

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\  
 Data File : VN058755.D  
 Acq On : 14 Oct 2019 17:39  
 Operator : JC/SP  
 Sample : K5111-08 5.0PPB LOQ  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

Quant Time: Oct 15 03:13:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 374540   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 614914   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 558552   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 246494   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 281093   | 53.61 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.22% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 201231   | 52.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.96% |          |
| 50) Toluene-d8              | 10.08 | 98   | 759526   | 50.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.02% |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 262561   | 45.67 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.34%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 23768    | 5.095  | ug/l   | 98     |
| 3) Chloromethane              | 2.04 | 50   | 30515    | 5.501  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.17 | 62   | 30282    | 5.481  | ug/l   | 99     |
| 5) Bromomethane               | 2.54 | 94   | 20087    | 5.977  | ug/l   | 94     |
| 6) Chloroethane               | 2.68 | 64   | 19561    | 5.740  | ug/l   | 93     |
| 7) Trichlorofluoromethane     | 2.99 | 101  | 38266    | 5.788  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.39 | 74   | 12316    | 5.042  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101  | 20666    | 5.482  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.93 | 142  | 25726    | 5.001  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.76 | 59   | 23201    | 27.321 | ug/l # | 83     |
| 12) 1,1-Dichloroethene        | 3.72 | 96   | 19897    | 5.532  | ug/l   | 90     |
| 13) Acrolein                  | 3.58 | 56   | 15483    | 22.670 | ug/l   | 94     |
| 14) Allyl chloride            | 4.30 | 41   | 37743    | 5.200  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.96 | 53   | 58987    | 27.544 | ug/l   | 96     |
| 16) Acetone                   | 3.80 | 43   | 53799    | 24.783 | ug/l   | 95     |
| 17) Carbon Disulfide          | 4.03 | 76   | 59860    | 5.206  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.30 | 43   | 32848    | 5.965  | ug/l # | 79     |
| 19) Methyl tert-butyl Ether   | 5.02 | 73   | 64269    | 5.004  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.53 | 84   | 25119    | 5.537  | ug/l # | 96     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96   | 21295    | 5.293  | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.93 | 45   | 71257    | 5.049  | ug/l # | 86     |
| 23) Vinyl Acetate             | 5.88 | 43   | 291768   | 25.620 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.83 | 63   | 43002    | 5.350  | ug/l   | 98     |
| 25) 2-Butanone                | 6.82 | 43   | 80317    | 25.598 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 6.80 | 77   | 35449    | 4.831  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96   | 24288    | 5.177  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.18 | 49   | 15068    | 5.388  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.20 | 42   | 53901    | 26.583 | ug/l   | 98     |
| 30) Chloroform                | 7.36 | 83   | 43574    | 5.396  | ug/l   | 96     |
| 31) Cyclohexane               | 7.64 | 56   | 44560    | 5.794  | ug/l # | 81     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97   | 36885    | 5.355  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.78 | 75   | 31518    | 5.069  | ug/l   | 97     |
| 37) Ethyl Acetate             | 6.91 | 43   | 32030    | 5.094  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.75 | 117  | 32793    | 5.412  | ug/l   | 99     |

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 Sample : K5111-08 5.0PPB LOQ  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

Quant Time: Oct 15 03:13:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 12 00:00:30 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 34890    | 4.836   | ug/l   | 97       |
| 40) Benzene                    | 8.03  | 78   | 93701    | 5.248   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.15  | 41   | 9377     | 3.186   | ug/l # | 39       |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 36286    | 5.290   | ug/l   | 97       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 54040    | 5.045   | ug/l # | 90       |
| 44) Trichloroethene            | 8.82  | 130  | 23975    | 5.407   | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 25075    | 5.246   | ug/l   | 96       |
| 46) Dibromomethane             | 9.20  | 93   | 16319    | 5.385   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 33569    | 5.440   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.19  | 41   | 23149    | 4.768   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 7959     | 105.958 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 160435   | 26.670  | ug/l   | 96       |
| 52) Toluene                    | 10.15 | 92   | 56084    | 5.135   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 34561    | 4.883   | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 36523    | 4.860   | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 22986    | 5.142   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 29686    | 4.546   | ug/l   | 93       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 38668    | 5.077   | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 69211    | 21.993  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 114294   | 24.585  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 23324    | 5.058   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 22897    | 5.113   | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.63 | 164  | 21524    | 5.506   | ug/l   | 96       |
| 65) Chlorobenzene              | 11.43 | 112  | 57862    | 5.101   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 22078    | 5.264   | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.51 | 91   | 104372   | 5.162   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 73405    | 9.674   | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 35057    | 4.775   | ug/l   | 100      |
| 70) Styrene                    | 11.97 | 104  | 53061    | 4.410   | ug/l   | 98       |
| 71) Bromoform                  | 12.13 | 173  | 15657    | 5.093   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 92617    | 5.188   | ug/l   | 98       |
| 74) N-amyl acetate             | 12.07 | 43   | 38254    | 4.771   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 34004    | 5.782   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 42849    | 7.924   | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 22984    | 5.293   | ug/l   | 97       |
| 78) n-propylbenzene            | 12.60 | 91   | 110192   | 5.297   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 68110    | 5.275   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 78405    | 5.144   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 9110     | 4.513   | ug/l   | 89       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 68230    | 5.150   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 65783    | 5.038   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 77702    | 5.136   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.18 | 105  | 89853    | 5.223   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.30 | 119  | 76561    | 4.896   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 40667    | 5.078   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 40551    | 4.981   | ug/l   | 94       |
| 89) n-Butylbenzene             | 13.62 | 91   | 66150    | 4.575   | ug/l   | 98       |
| 90) Hexachloroethane           | 13.88 | 117  | 15399    | 5.504   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 40769    | 5.224   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 7706     | 5.609   | ug/l   | 85       |

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Sample : K5111-08 5.0PPB LOO  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 15 Sample Multiplier: 1

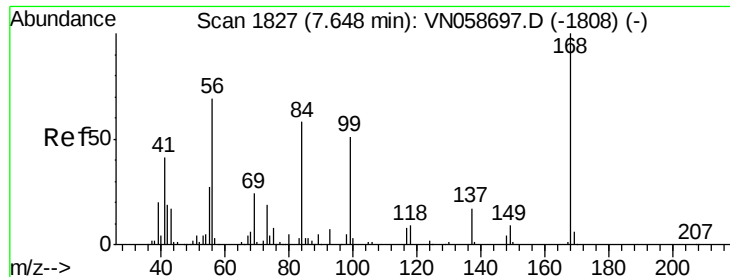
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Quant Time: Oct 15 03:13:30 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 12 00:00:30 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180  | 20446    | 4.295 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.02 | 225  | 12939    | 5.161 | ug/l  | 97       |
| 95) Naphthalene            | 15.13 | 128  | 53438    | 3.905 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 20119    | 4.328 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

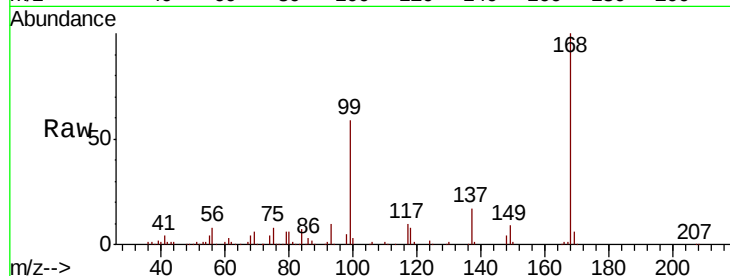
LOQ-WATER-02-QT4-2019

Tot Ion:168 Resp: 374540

Ion Ratio Lower Upper

168 100

99 58.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

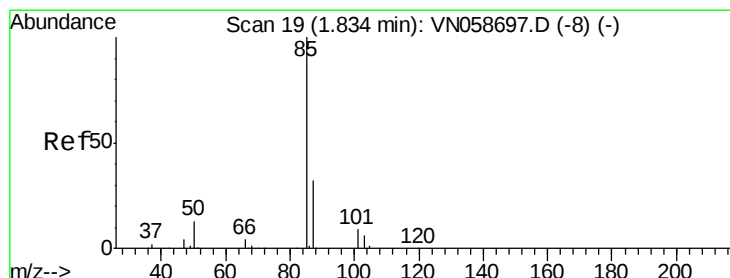
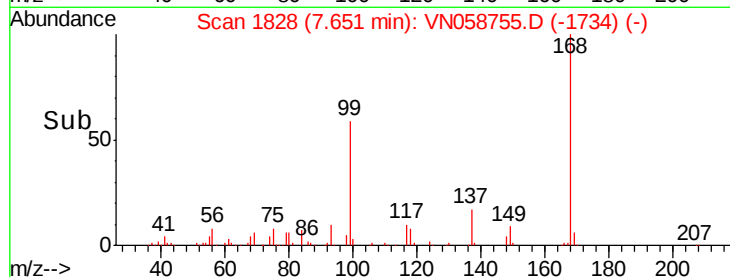
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 5.095 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058755.D

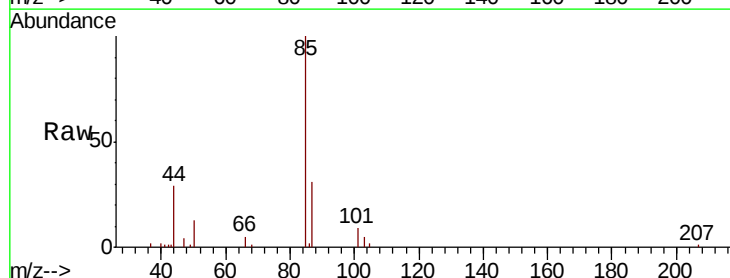
Acq: 14 Oct 2019 17:39

Tgt Ion: 85 Resp: 23768

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

20000

15000

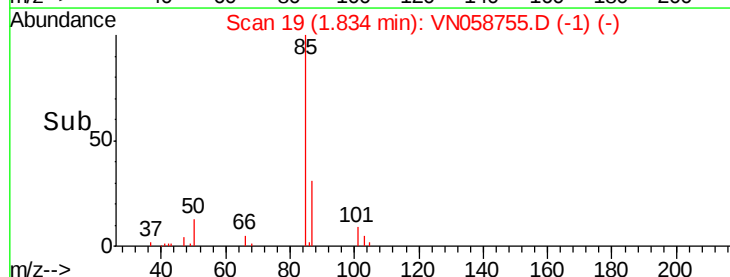
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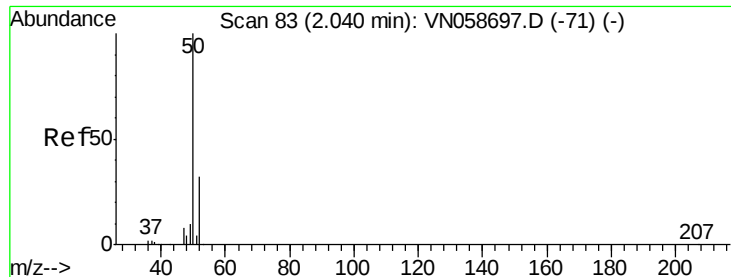
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 5.501 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

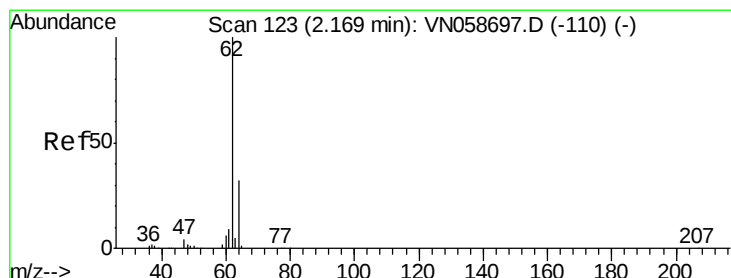
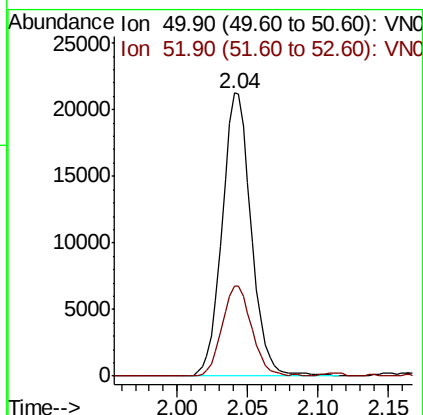
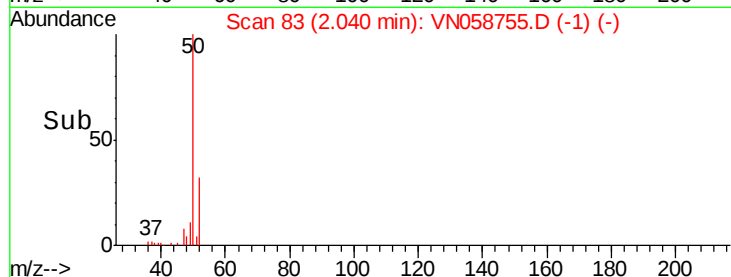
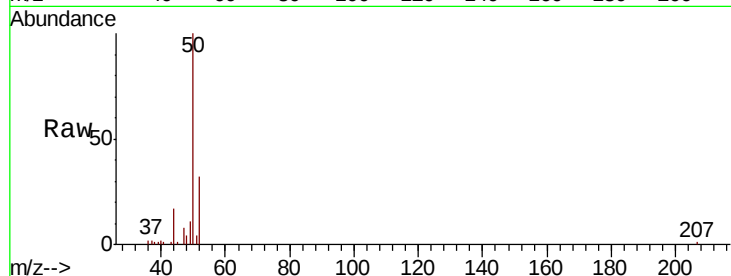
LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 30515

Ion Ratio Lower Upper

50 100

52 31.8 25.8 38.6



#4

Vinyl Chloride

Concen: 5.481 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058755.D

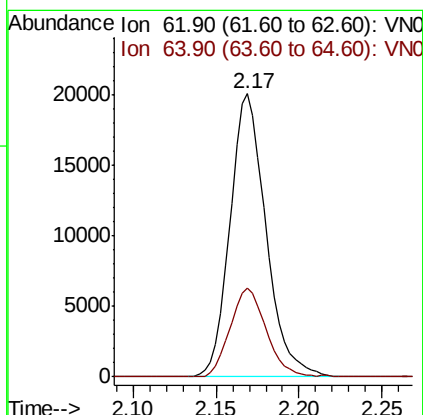
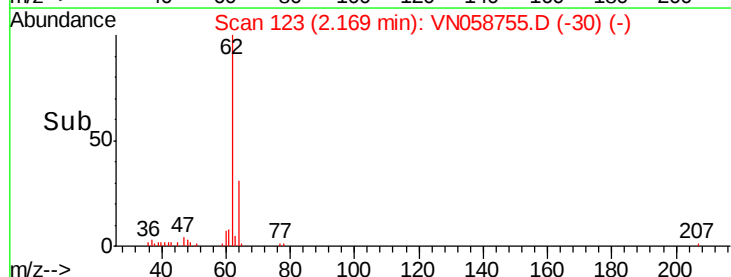
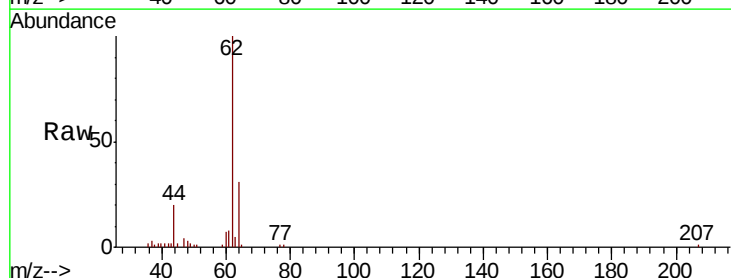
Acq: 14 Oct 2019 17:39

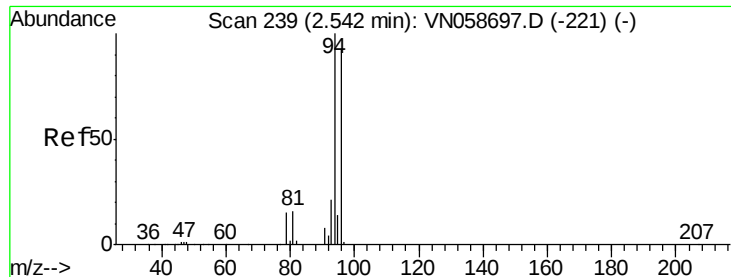
Tgt Ion: 62 Resp: 30282

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 5.977 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

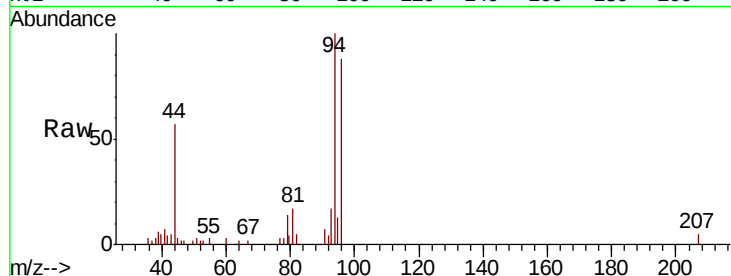
LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 20087

Ion Ratio Lower Upper

94 100

96 87.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

10000

8000

6000

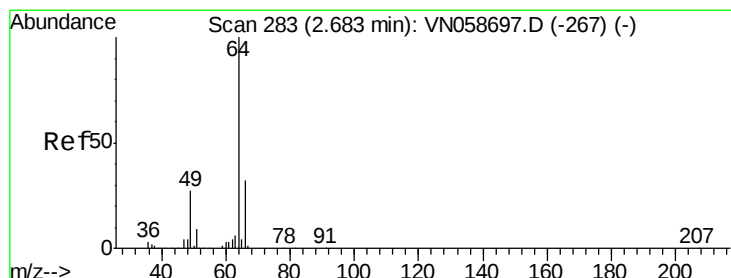
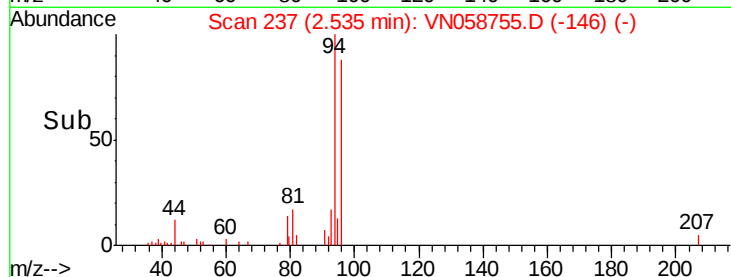
4000

2000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 5.740 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN058755.D

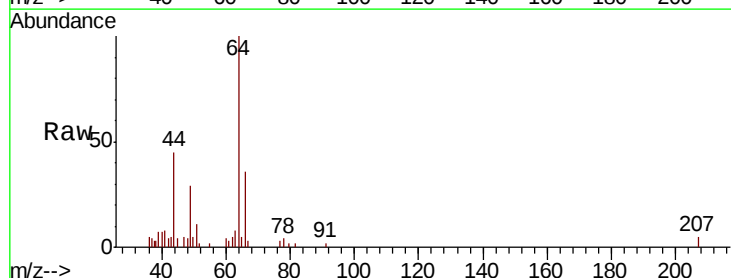
Acq: 14 Oct 2019 17:39

Tgt Ion: 64 Resp: 19561

Ion Ratio Lower Upper

64 100

66 35.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

10000

8000

6000

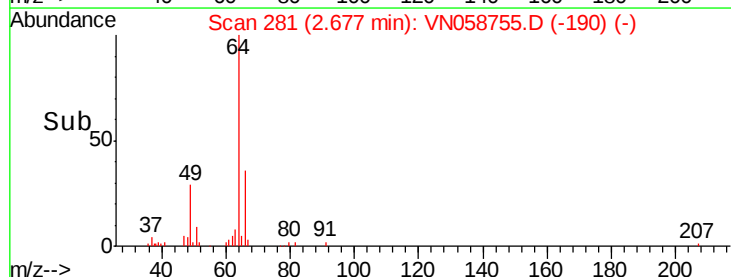
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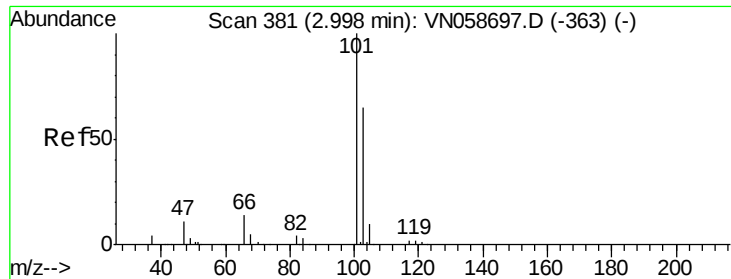
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0

Time-->

2.60 2.65 2.70 2.75



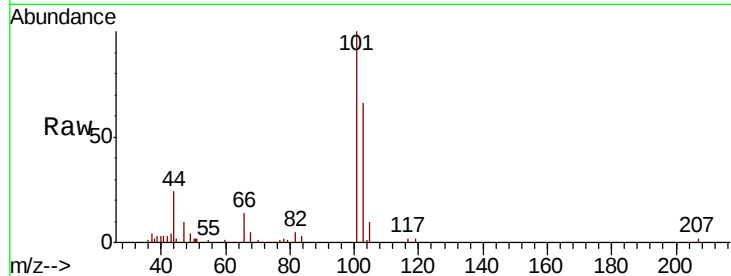


#7

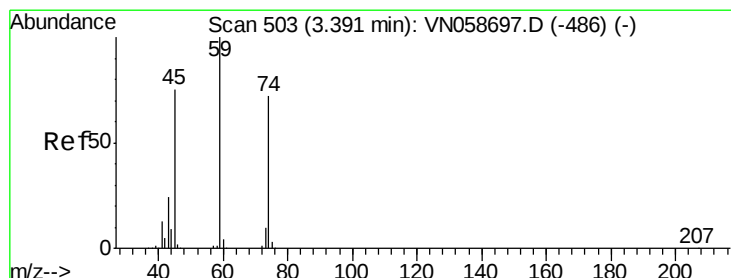
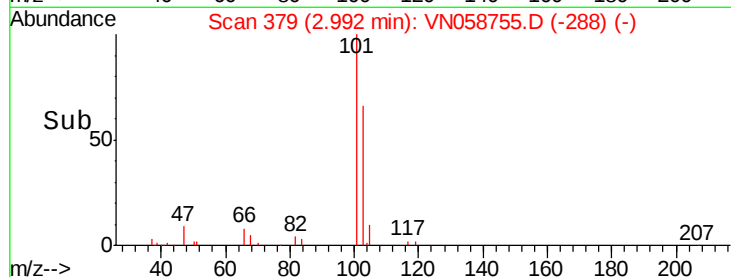
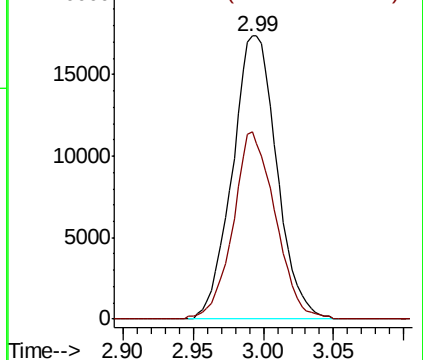
Trichlorofluoromethane  
 Concen: 5.788 ug/l  
 RT: 2.99 min Scan# 379  
 Delta R.T. -0.01 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

Tot Ion:101 Resp: 38266  
 Ion Ratio Lower Upper  
 101 100  
 103 66.2 51.8 77.6



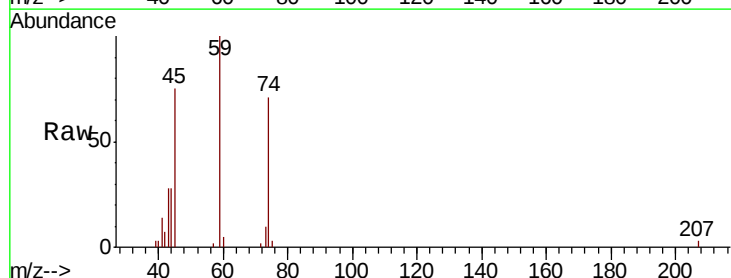
Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 102.80 (102.50 to 103.50): V



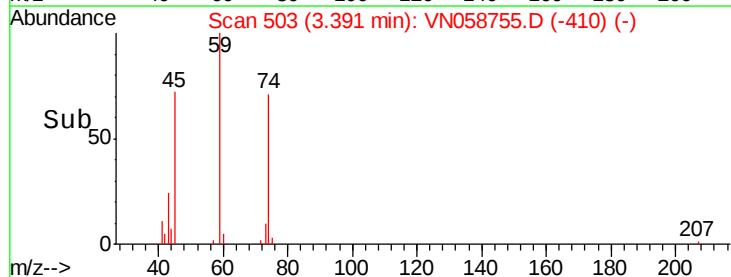
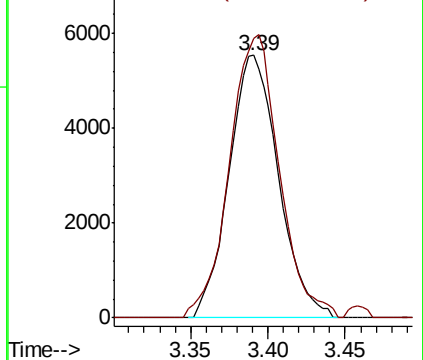
#8

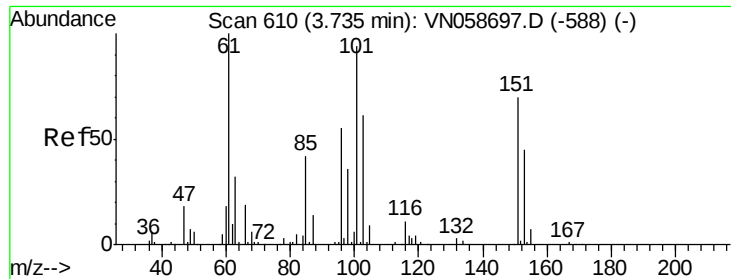
Diethyl Ether  
 Concen: 5.042 ug/l  
 RT: 3.39 min Scan# 503  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

Tgt Ion: 74 Resp: 12316  
 Ion Ratio Lower Upper  
 74 100  
 45 108.5 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): VNO  
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.482 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

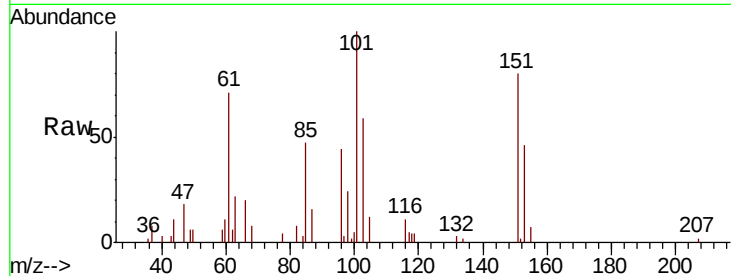
Tot Ion:101 Resp: 20666

Ion Ratio Lower Upper

101 100

85 46.6 37.0 55.6

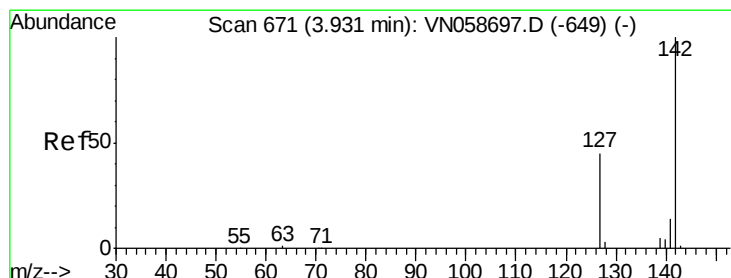
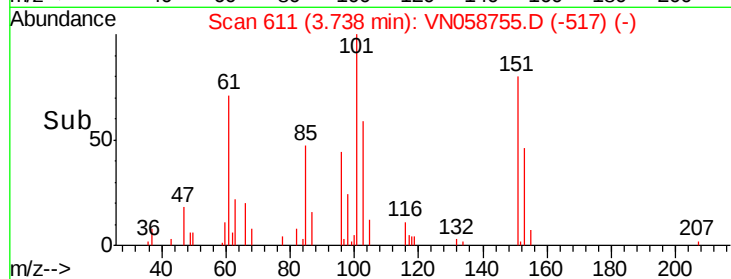
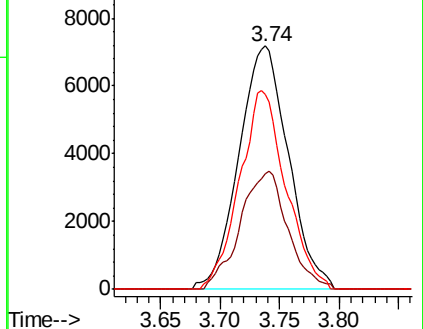
151 76.4 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.001 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

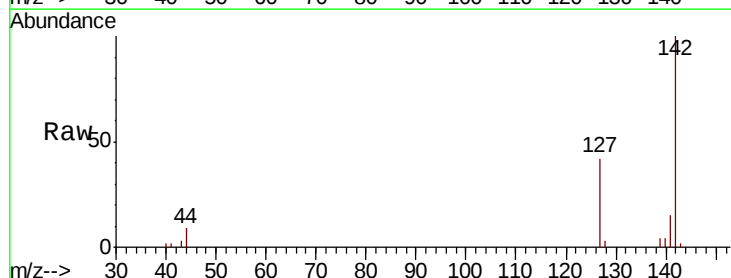
Tgt Ion:142 Resp: 25726

Ion Ratio Lower Upper

142 100

127 44.7 36.4 54.6

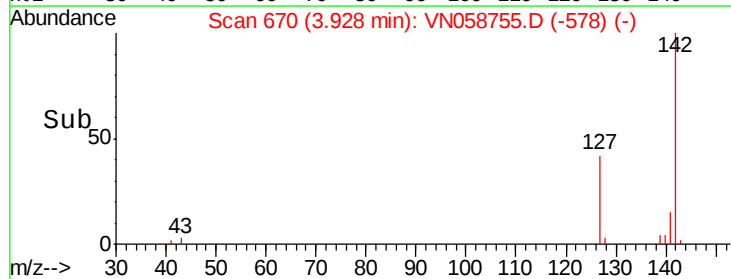
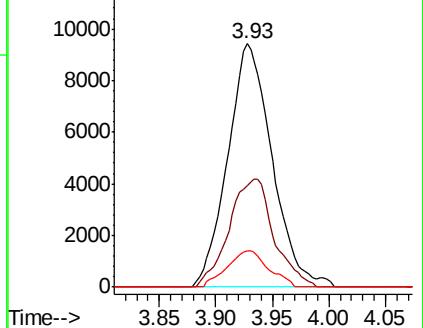
141 13.9 11.1 16.7

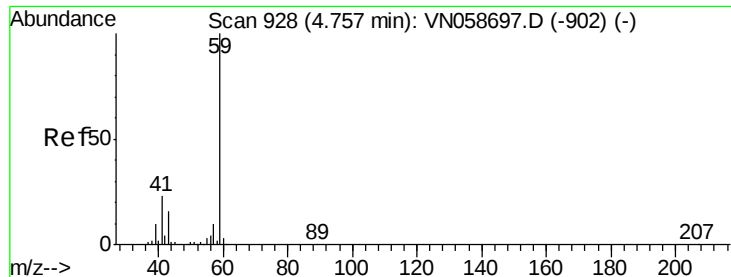


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



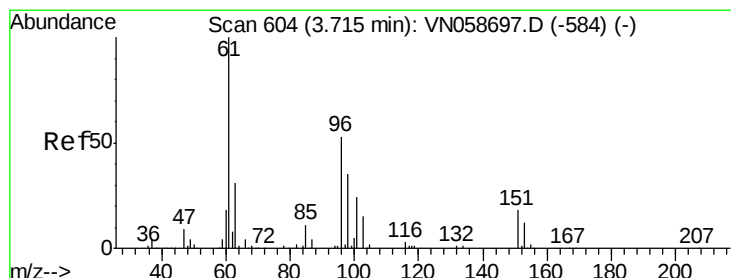
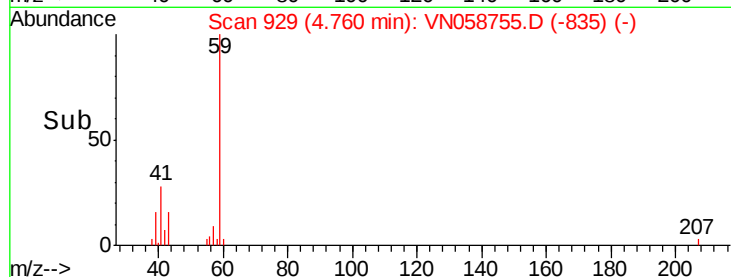
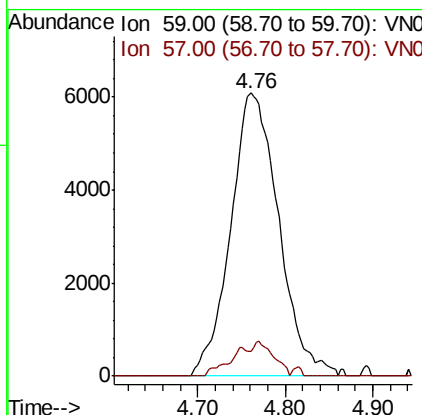
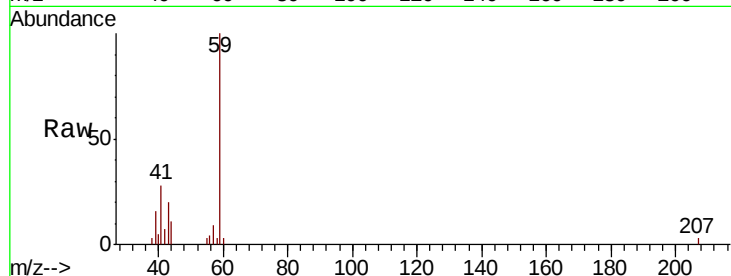


#11

Tert butyl alcohol  
 Concen: 27.321 ug/l  
 RT: 4.76 min Scan# 929  
 Delta R.T. 0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

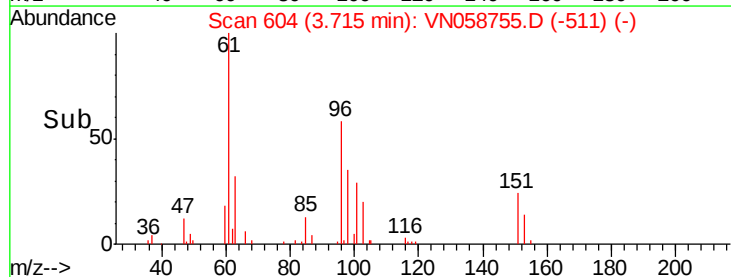
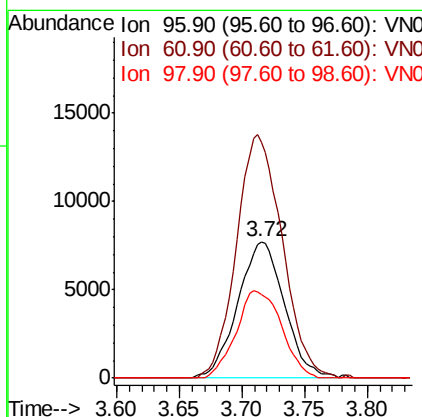
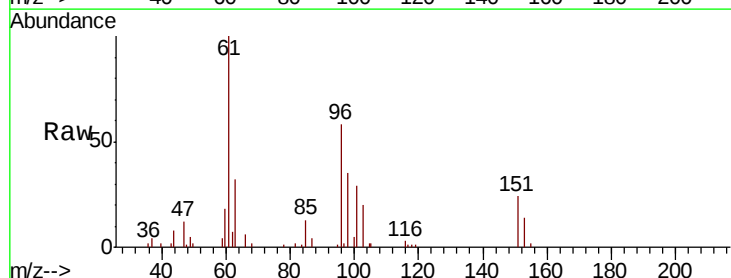
Tot Ion: 59 Resp: 23201  
 Ion Ratio Lower Upper  
 59 100  
 57 4.3 8.4 12.6#

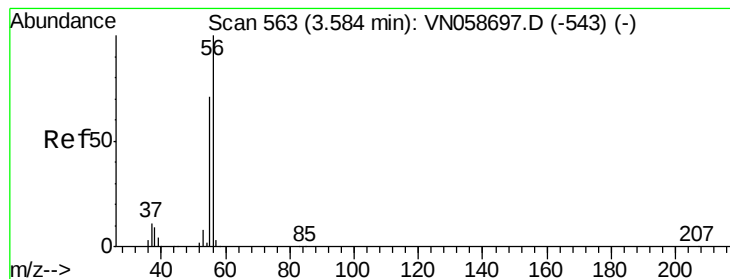


#12

1,1-Dichloroethene  
 Concen: 5.532 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

Tgt Ion: 96 Resp: 19897  
 Ion Ratio Lower Upper  
 96 100  
 61 173.0 151.3 226.9  
 98 60.9 52.6 78.8





#13

Acrolein

Concen: 22.670 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

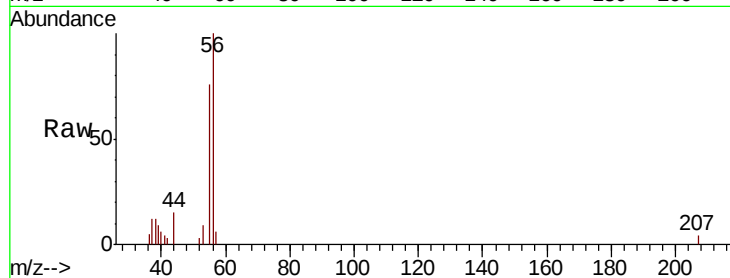
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 15483

Ion Ratio Lower Upper

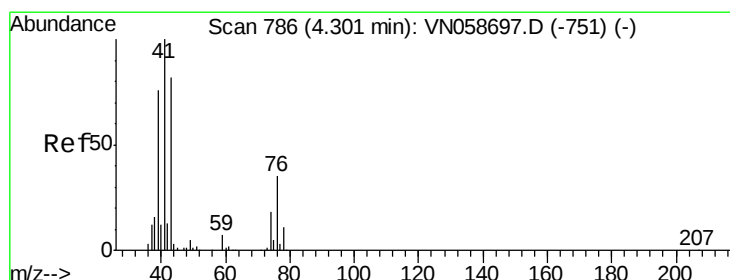
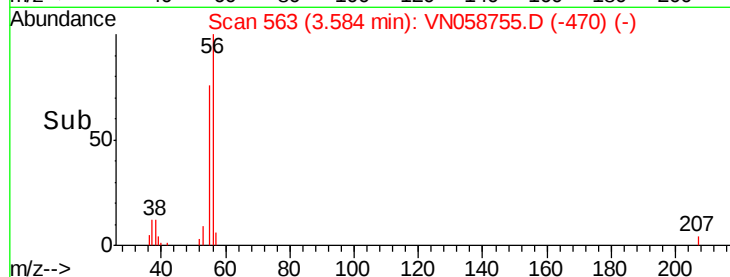
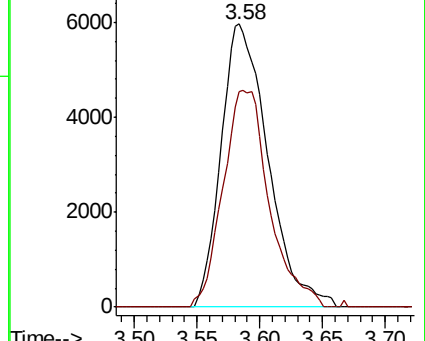
56 100

55 75.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN058755.D (-470) (-)

Ion 55.00 (54.70 to 55.70): VN058755.D (-470) (-)



#14

Allyl chloride

Concen: 5.200 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

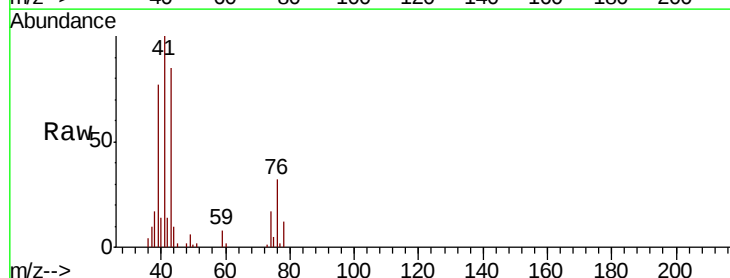
Tgt Ion: 41 Resp: 37743

Ion Ratio Lower Upper

41 100

39 71.0 57.2 85.8

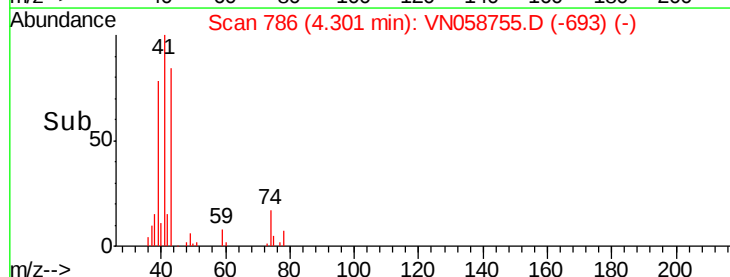
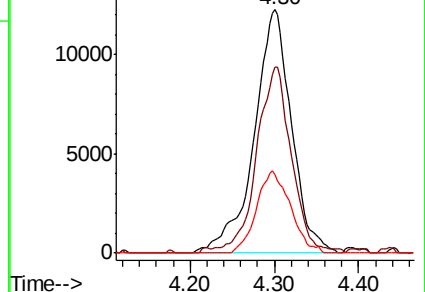
76 30.4 25.0 37.6

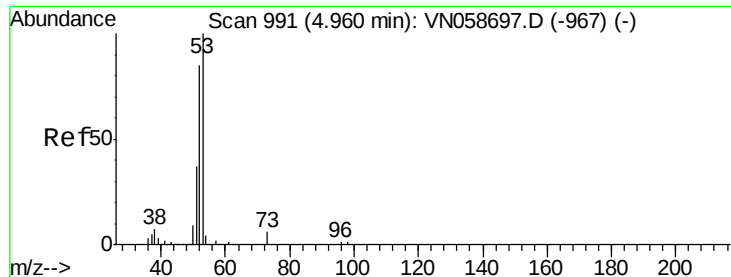


Abundance Ion 41.00 (40.70 to 41.70): VN058755.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN058755.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN058755.D (-693) (-)





#15

Acrylonitrile

Concen: 27.544 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

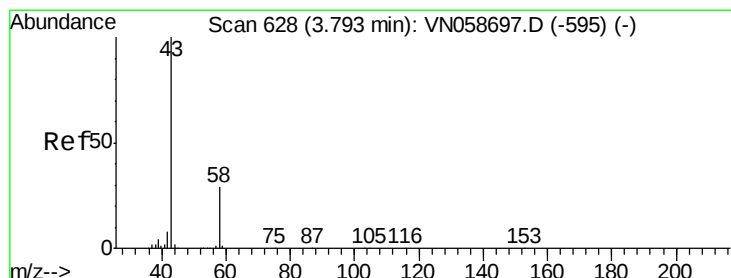
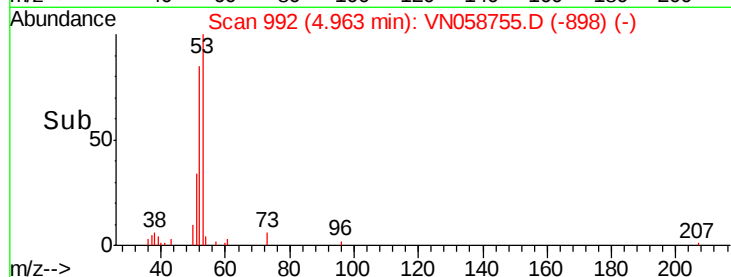
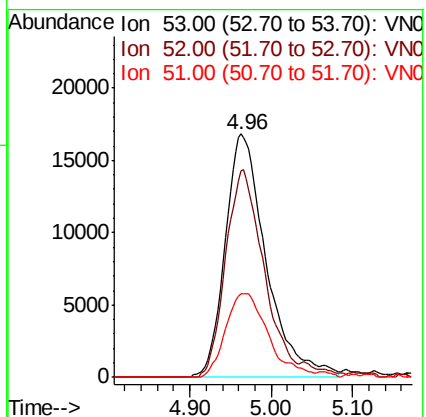
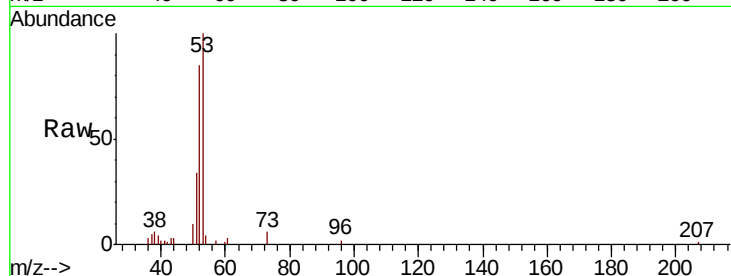
Tot Ion: 53 Resp: 58987

Ion Ratio Lower Upper

53 100

52 78.8 66.2 99.2

51 35.7 29.4 44.2



#16

Acetone

Concen: 24.783 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058755.D

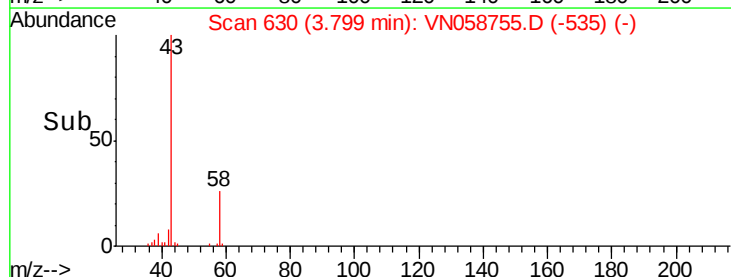
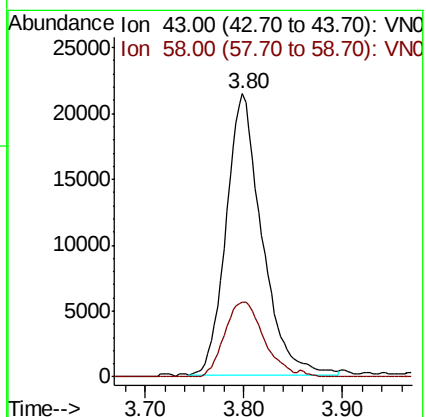
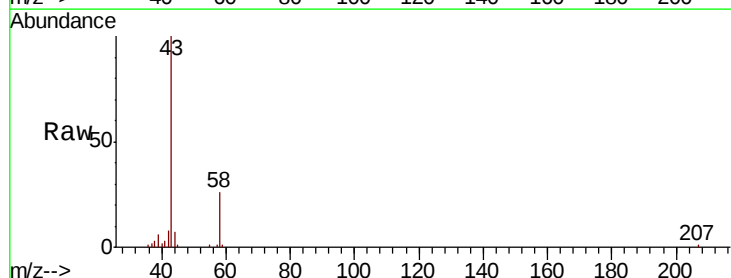
Acq: 14 Oct 2019 17:39

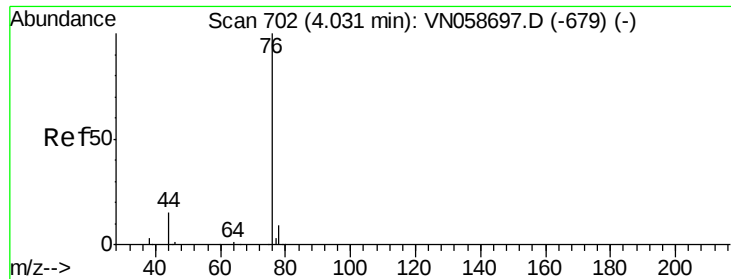
Tgt Ion: 43 Resp: 53799

Ion Ratio Lower Upper

43 100

58 26.6 23.3 34.9

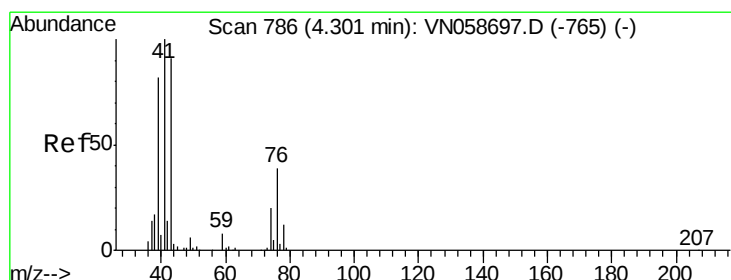
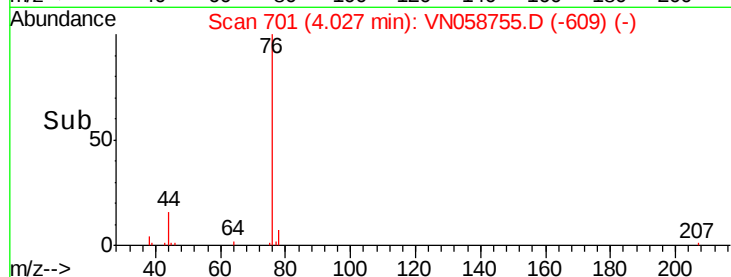
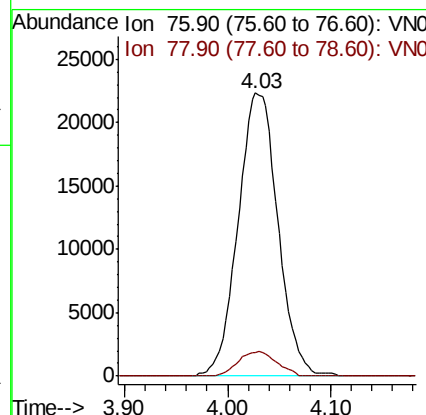
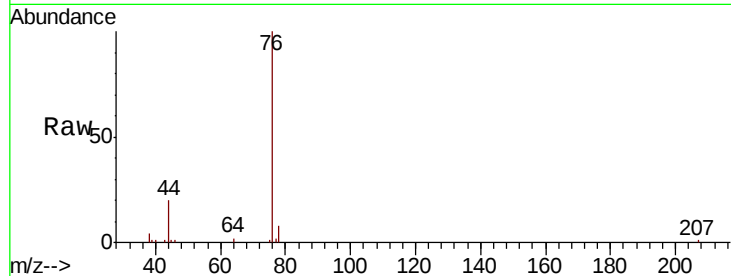




#17  
Carbon Disulfide  
Concen: 5.206 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

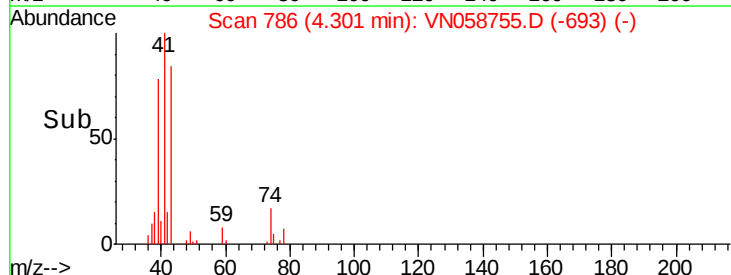
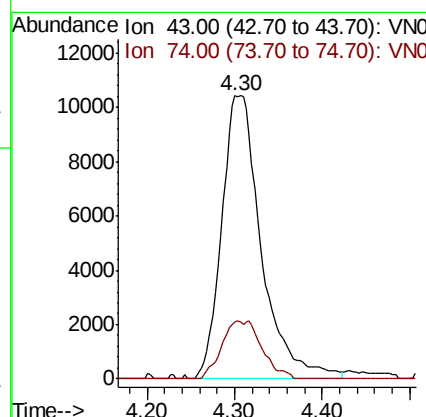
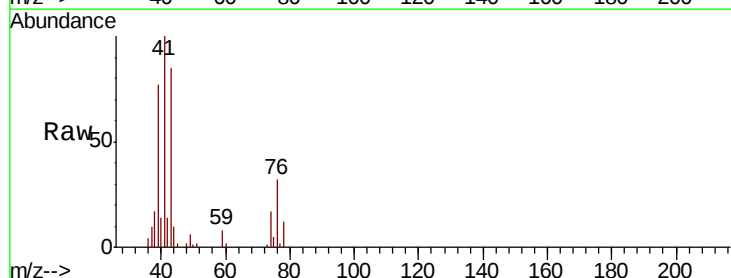
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

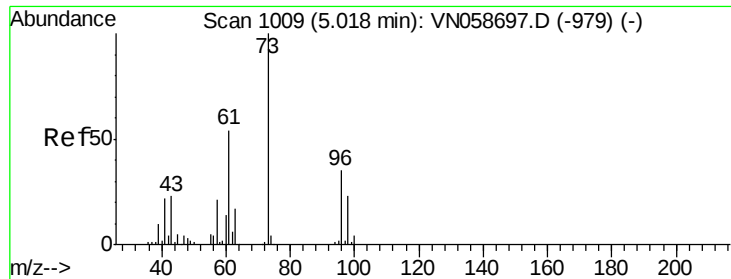
Tot Ion: 76 Resp: 59860  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.1 10.7



#18  
Methyl Acetate  
Concen: 5.965 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 43 Resp: 32848  
Ion Ratio Lower Upper  
43 100  
74 11.4 17.2 25.8#

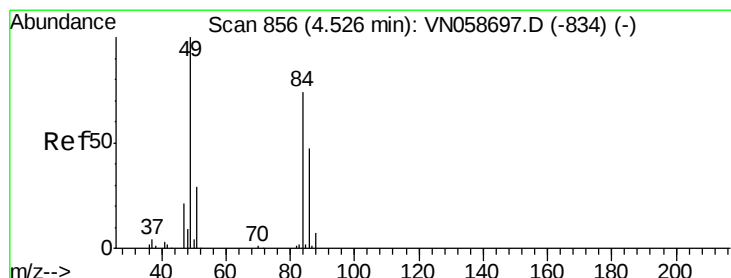
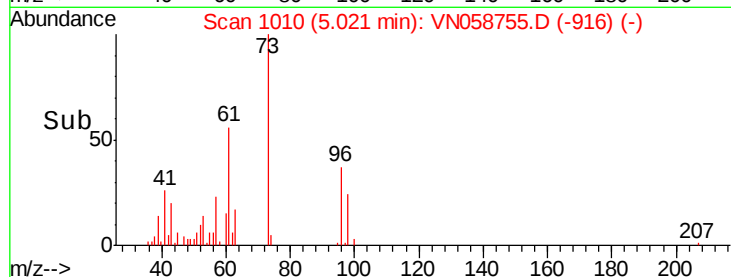
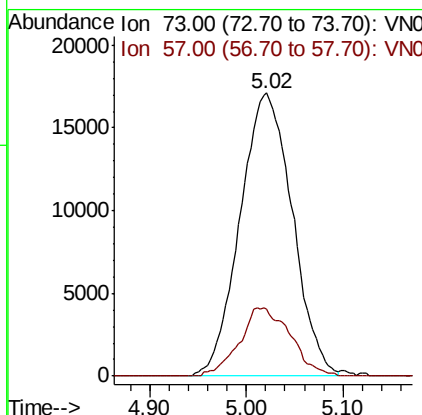
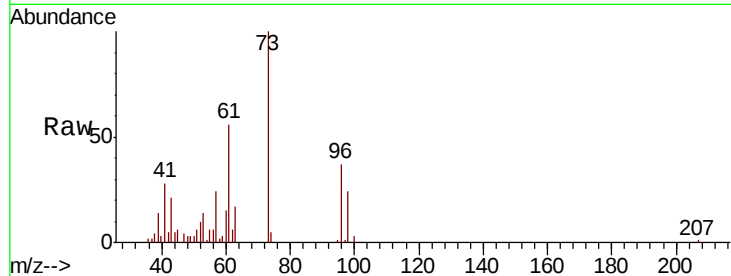




#19  
Methvl tert-butvl Ether  
Concen: 5.004 ug/l  
RT: 5.02 min Scan# 1010  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

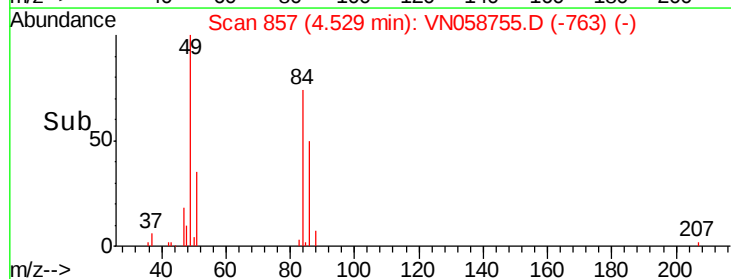
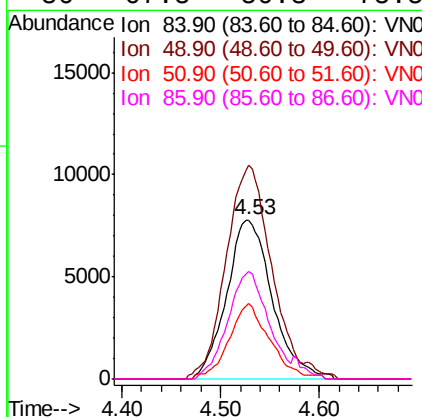
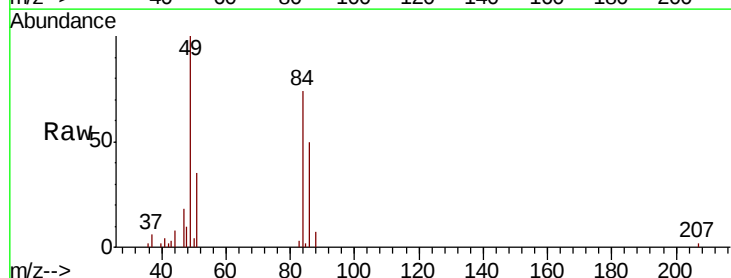
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

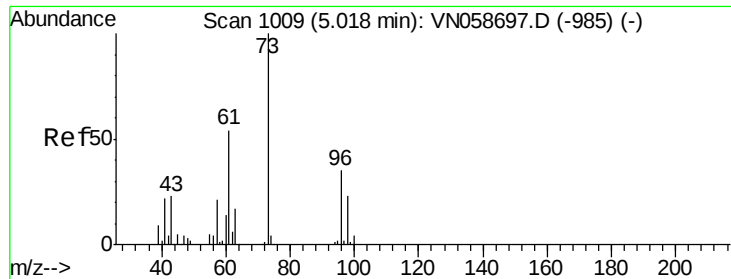
Tot Ion: 73 Resp: 64269  
Ion Ratio Lower Upper  
73 100  
57 23.7 17.0 25.6



#20  
Methylene Chloride  
Concen: 5.537 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 84 Resp: 25119  
Ion Ratio Lower Upper  
84 100  
49 134.5 107.6 161.4  
51 47.2 31.4 47.0#  
86 67.5 50.3 75.5

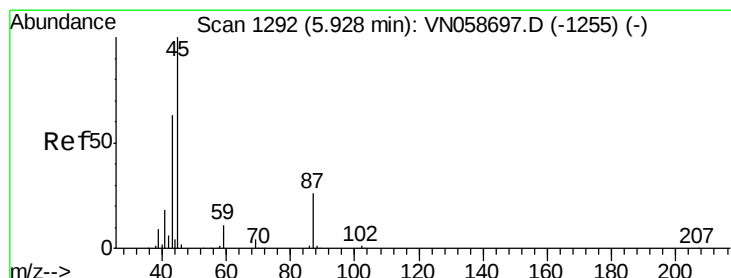
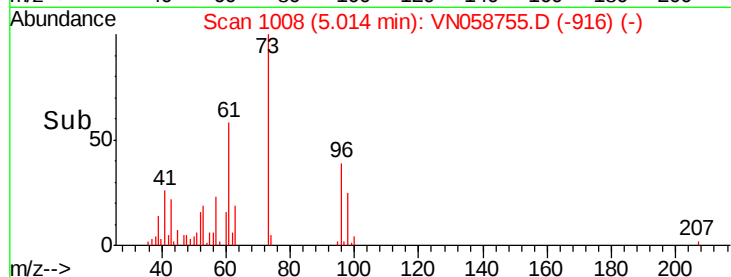
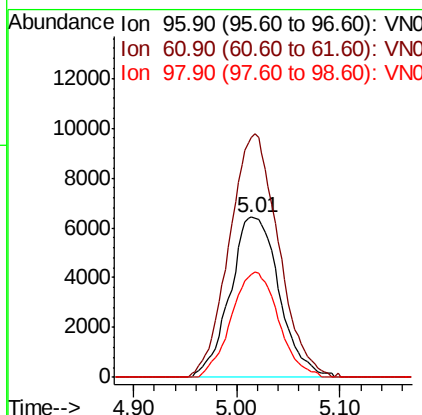
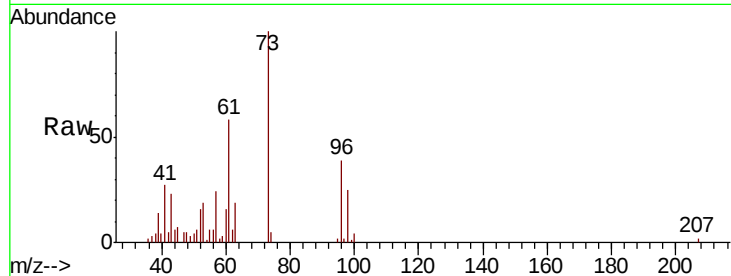




#21  
trans-1,2-Dichloroethene  
Concen: 5.293 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

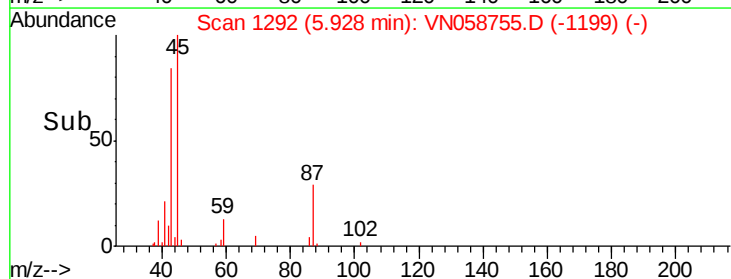
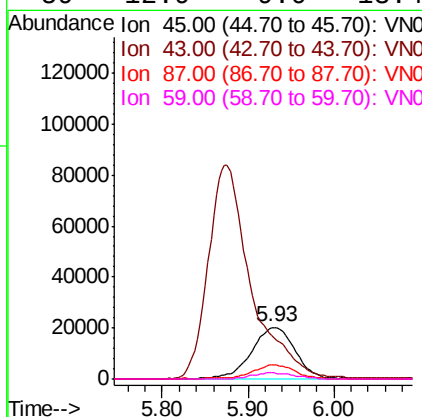
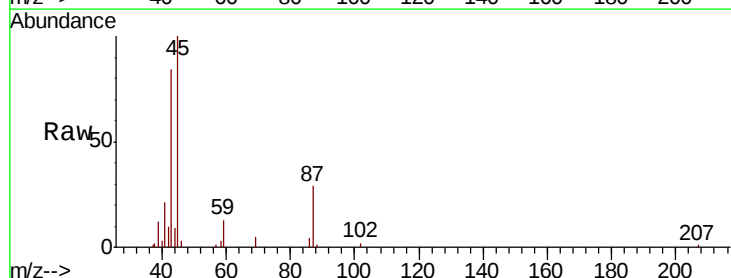
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

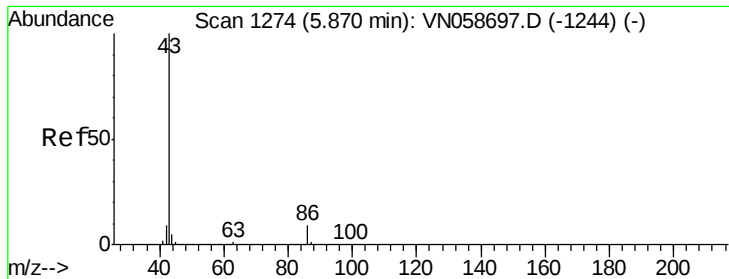
Tot Ion: 96 Resp: 21295  
Ion Ratio Lower Upper  
96 100  
61 149.7 123.6 185.4  
98 64.6 52.1 78.1



#22  
Diisopropyl ether  
Concen: 5.049 ug/l  
RT: 5.93 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 45 Resp: 71257  
Ion Ratio Lower Upper  
45 100  
43 79.2 50.6 75.8#  
87 28.5 21.1 31.7  
59 12.9 9.0 13.4





#23

Vinyl Acetate

Concen: 25.620 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

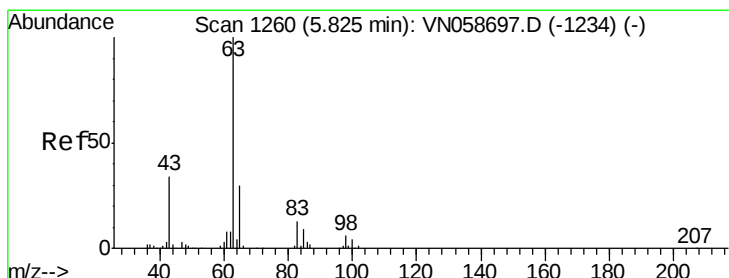
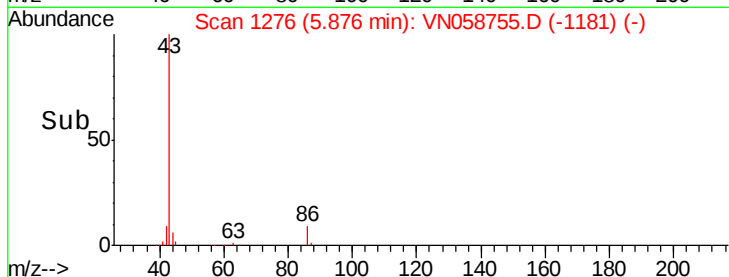
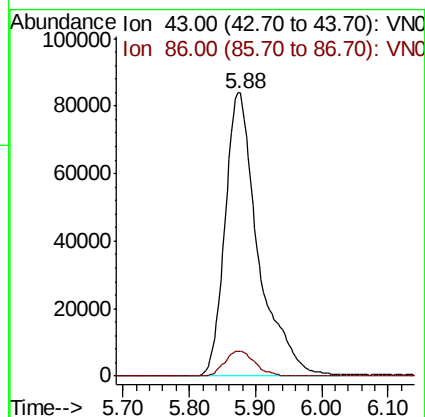
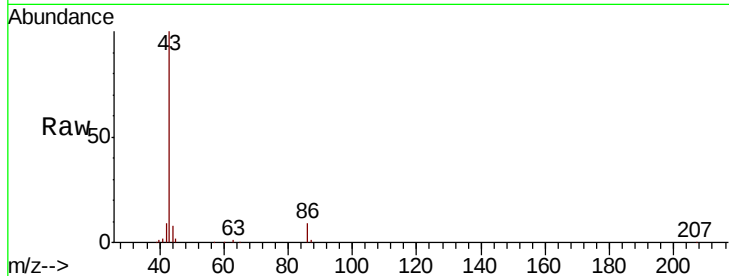
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 291768

Ion Ratio Lower Upper

43 100

86 8.8 7.4 11.0



#24

1,1-Dichloroethane

Concen: 5.350 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

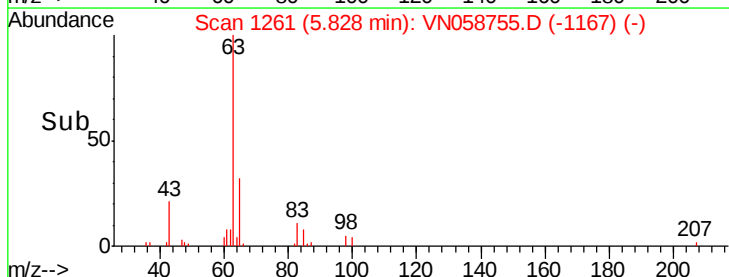
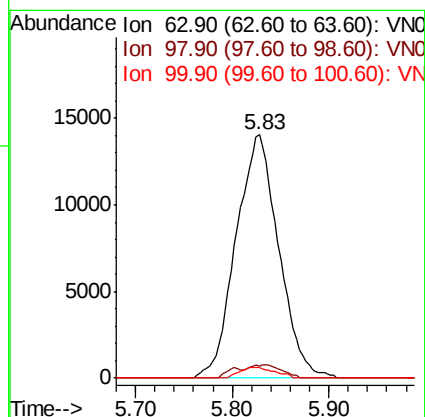
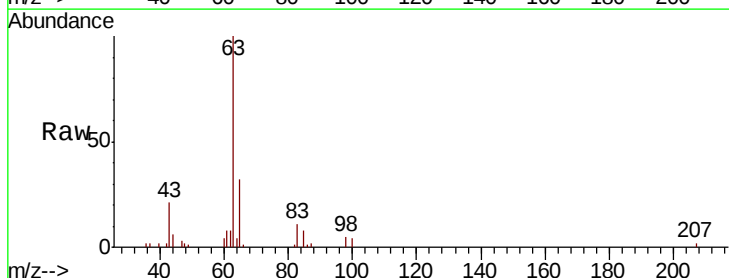
Tgt Ion: 63 Resp: 43002

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

100 4.3 1.8 5.5

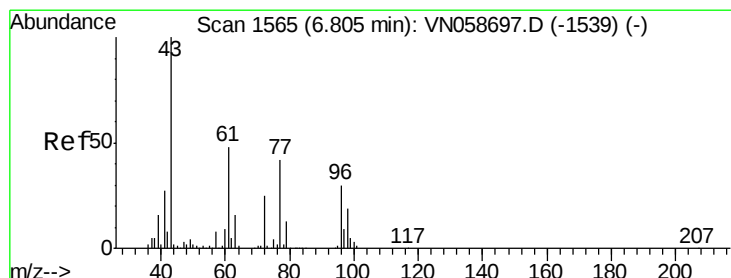
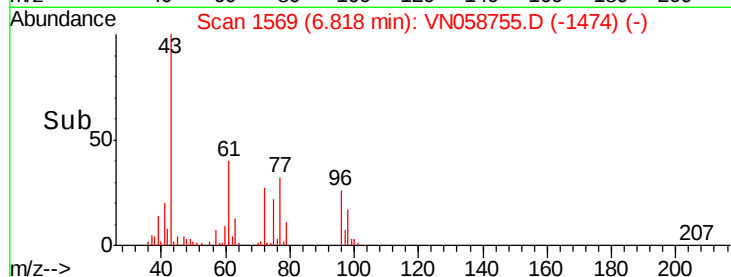
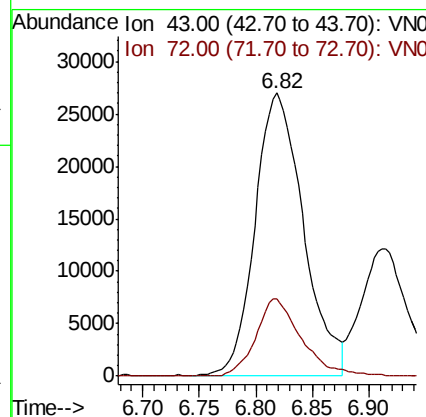
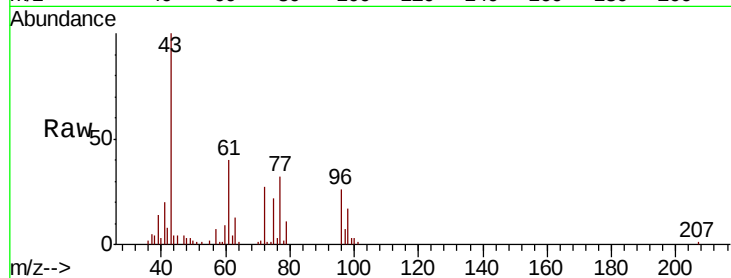




#25  
2-Butanone  
Concen: 25.598 ug/l  
RT: 6.82 min Scan# 1569  
Delta R.T. 0.01 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

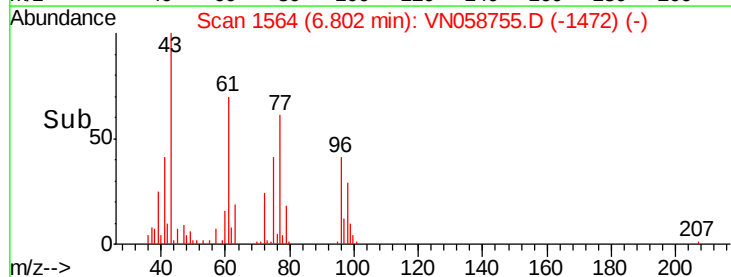
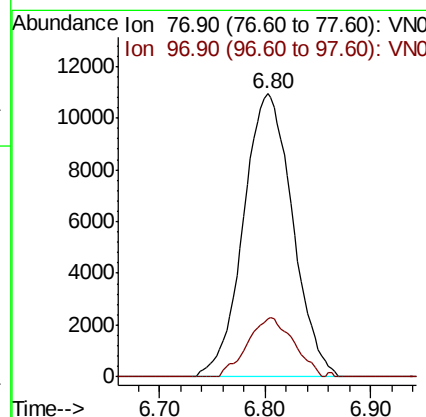
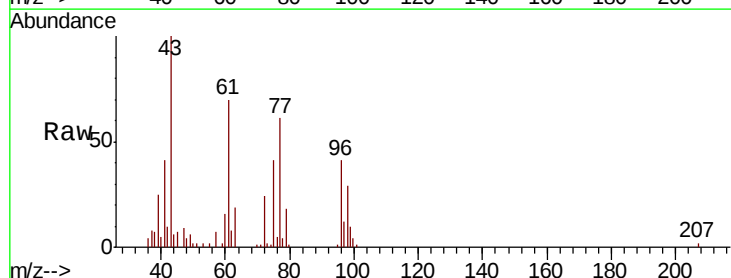
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 80317  
Ion Ratio Lower Upper  
43 100  
72 27.2 20.2 30.2



#26  
2,2-Dichloropropane  
Concen: 4.831 ug/l  
RT: 6.80 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 77 Resp: 35449  
Ion Ratio Lower Upper  
77 100  
97 19.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 5.177 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

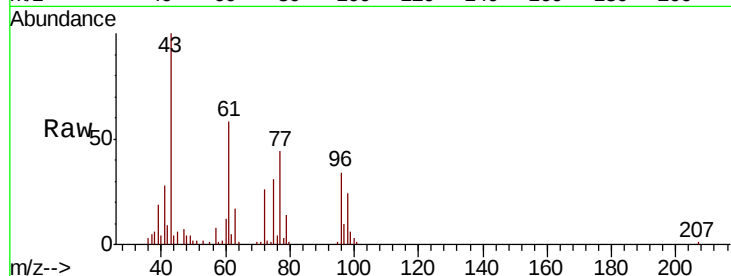
Tot Ion: 96 Resp: 24288

Ion Ratio Lower Upper

96 100

61 159.9 0.0 324.8

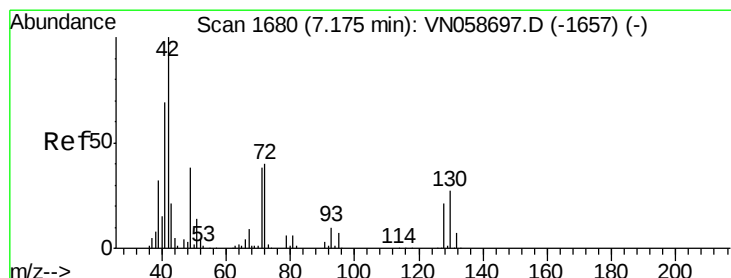
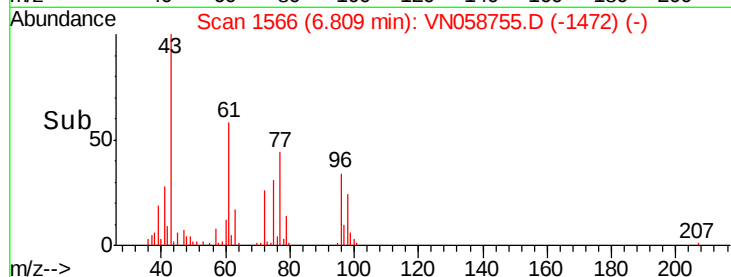
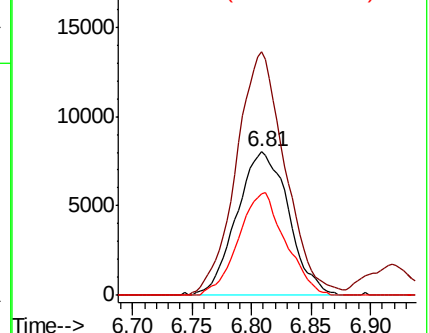
98 64.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058697.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058697.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058697.D (-1542) (-)



#28

Bromochloromethane

Concen: 5.388 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

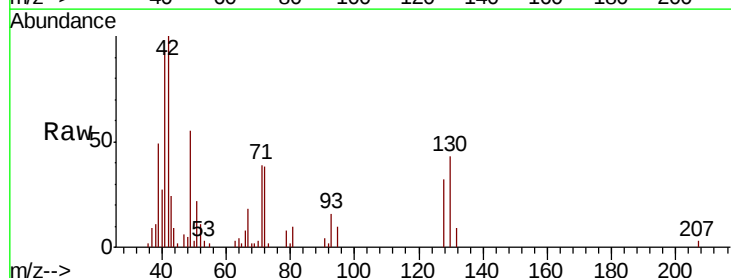
Tgt Ion: 49 Resp: 15068

Ion Ratio Lower Upper

49 100

129 0.4 0.0 3.6

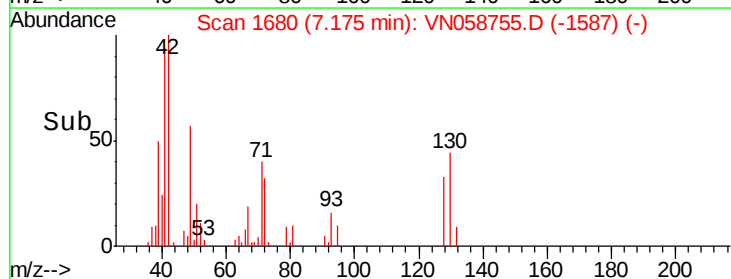
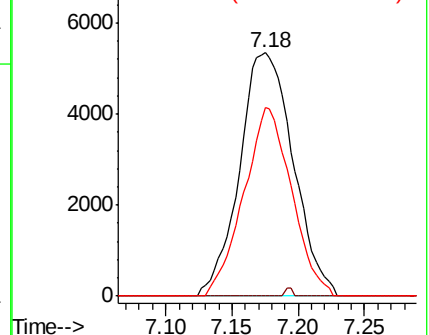
130 69.1 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN058697.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN058697.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN058697.D (-1657) (-)

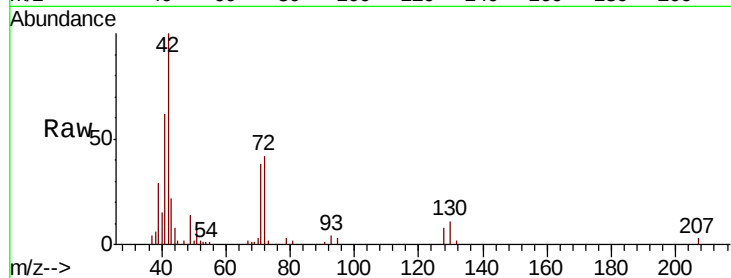




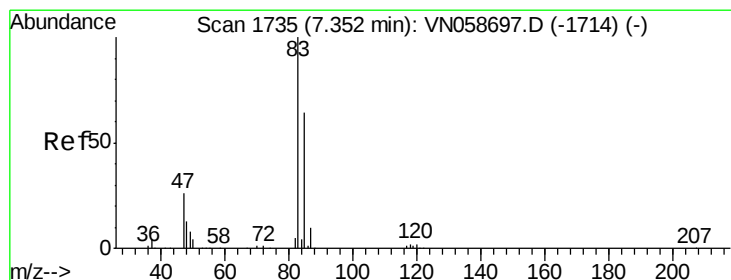
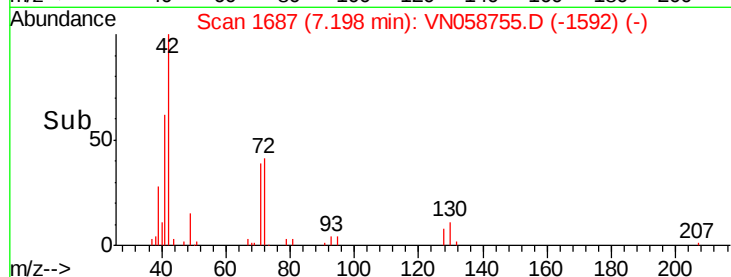
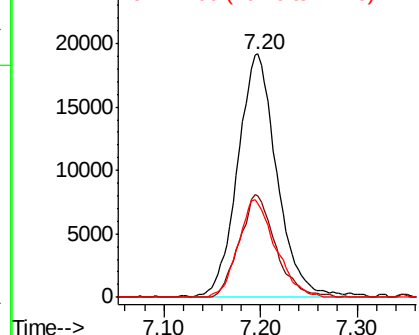
#29  
Tetrahydrofuran  
Concen: 26.583 ug/l  
RT: 7.20 min Scan# 1687  
Delta R.T. 0.01 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 42 Resp: 53901  
Ion Ratio Lower Upper  
42 100  
72 39.0 32.8 49.2  
71 38.2 31.1 46.7

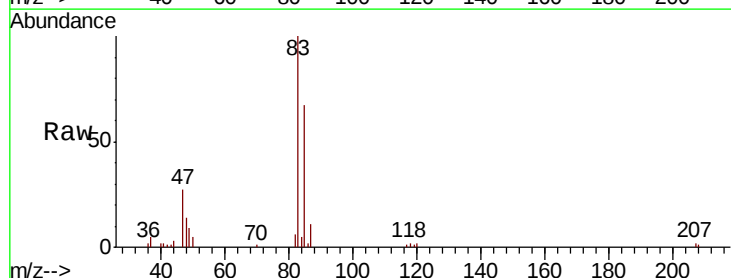


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

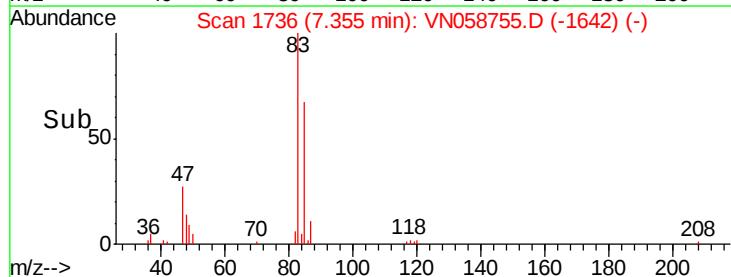
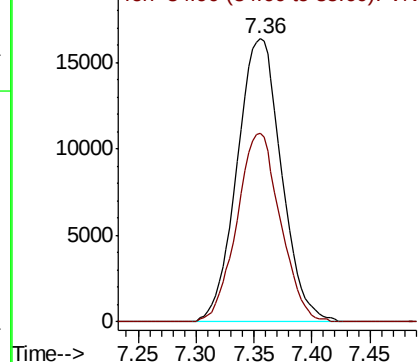


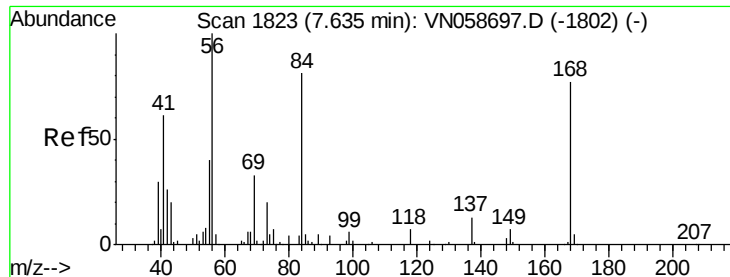
#30  
Chloroform  
Concen: 5.396 ug/l  
RT: 7.36 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 83 Resp: 43574  
Ion Ratio Lower Upper  
83 100  
85 66.9 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0

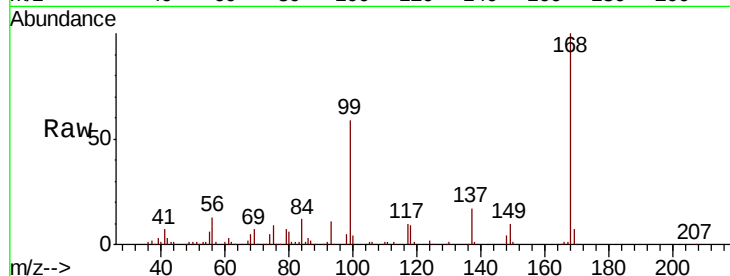




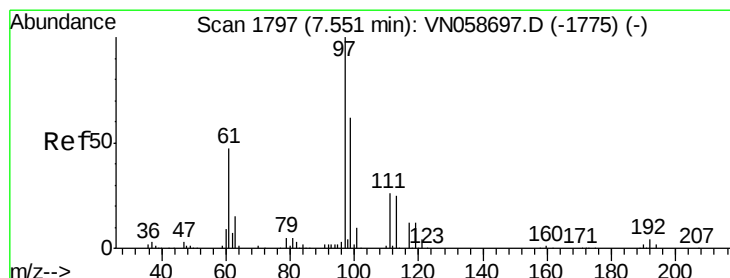
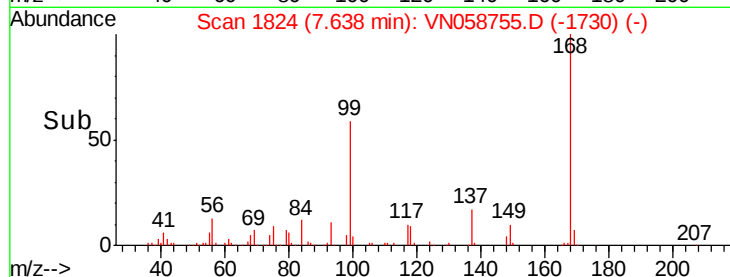
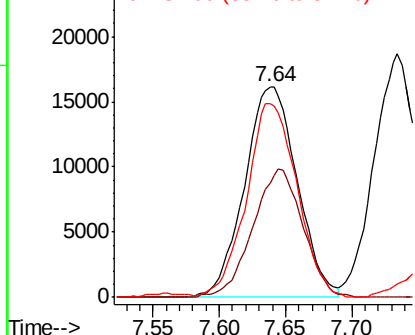
#31  
Cyclohexane  
Concen: 5.794 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 44560  
Ion Ratio Lower Upper  
56 100  
69 54.4 26.2 39.4#  
84 91.1 64.9 97.3

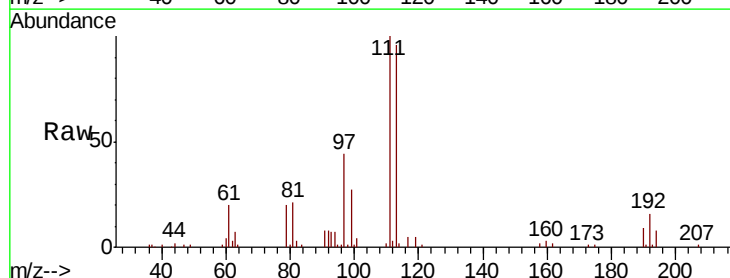


Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO

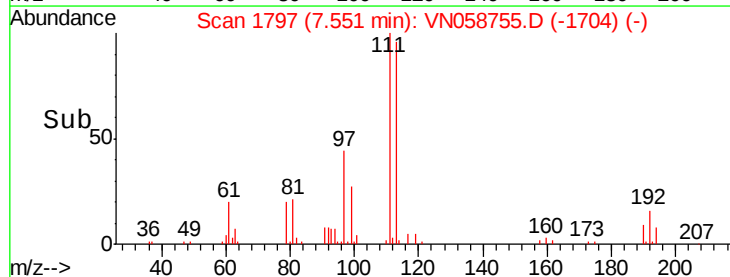
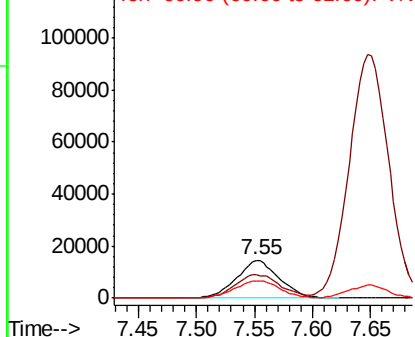


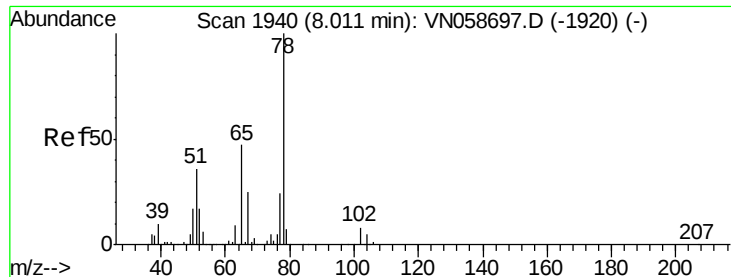
#32  
1,1,1-Trichloroethane  
Concen: 5.355 ug/l  
RT: 7.55 min Scan# 1797  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 97 Resp: 36885  
Ion Ratio Lower Upper  
97 100  
99 66.4 50.8 76.2  
61 49.3 38.1 57.1



Abundance Ion 96.90 (96.60 to 97.60): VNO  
Ion 98.90 (98.60 to 99.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO

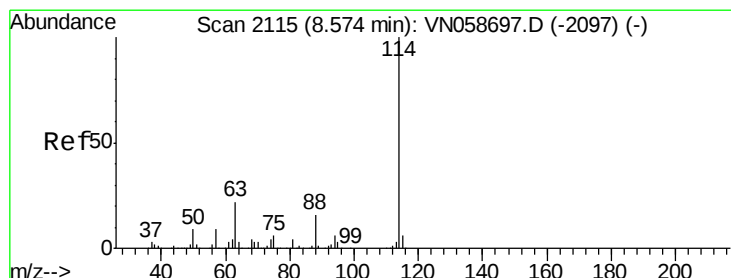
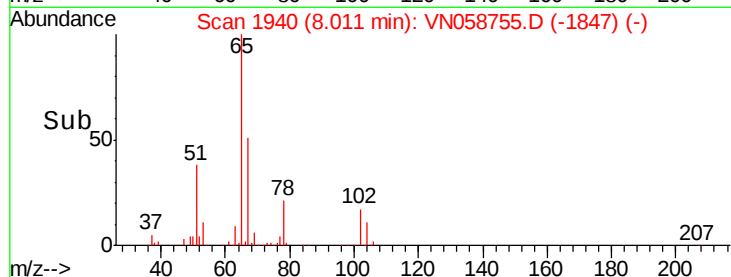
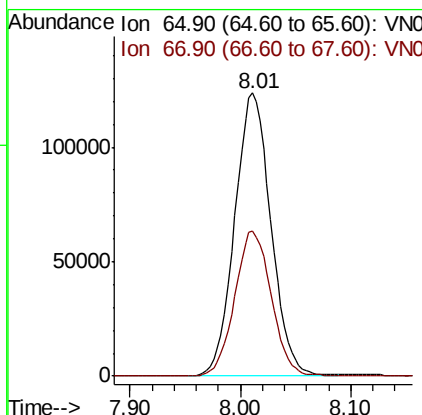
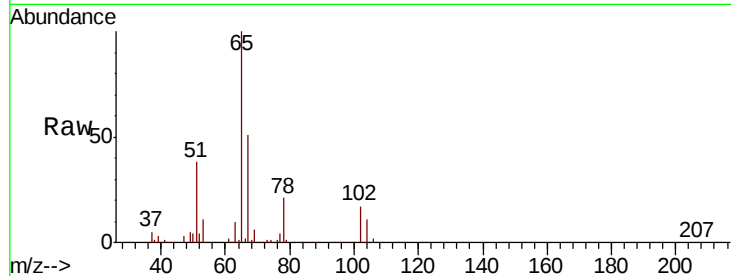




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.608 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

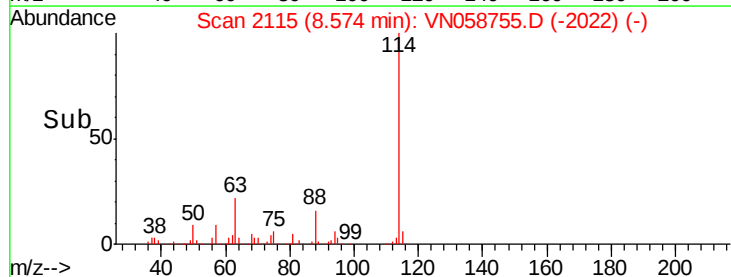
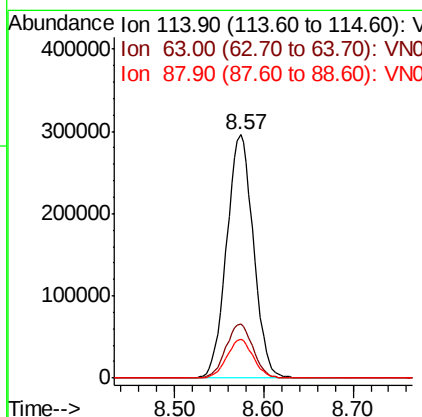
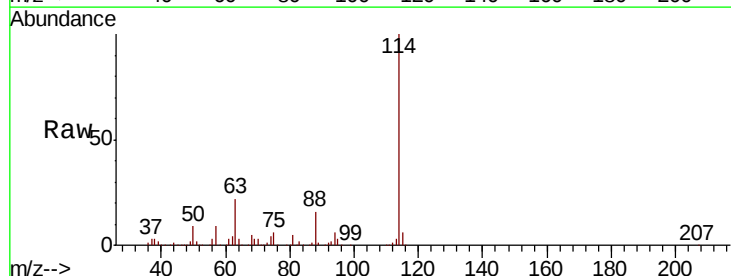
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

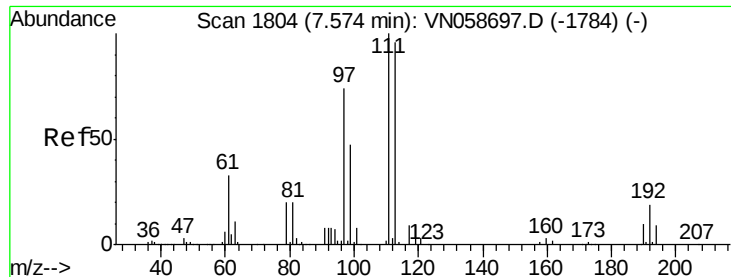
Tot Ion: 65 Resp: 281093  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

Tgt Ion: 114 Resp: 614914  
 Ion Ratio Lower Upper  
 114 100  
 63 22.0 0.0 43.8  
 88 16.1 0.0 32.0

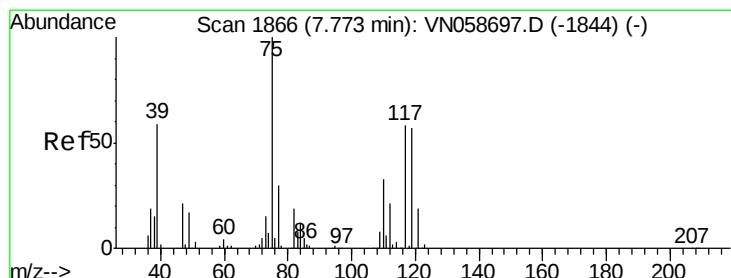
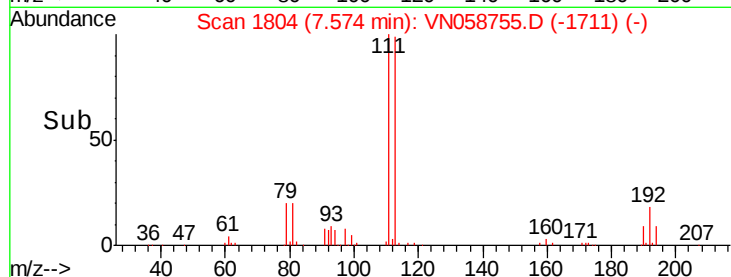
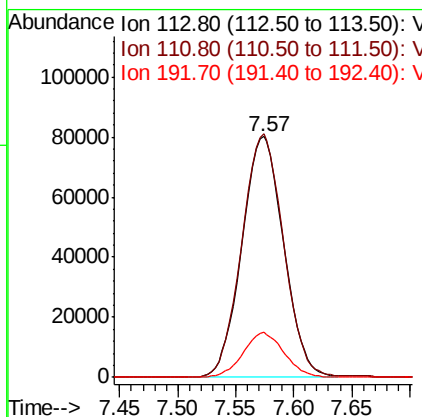
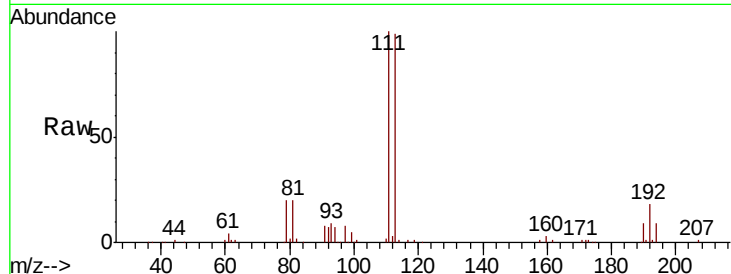




#35  
Dibromofluoromethane  
Concen: 52.981 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

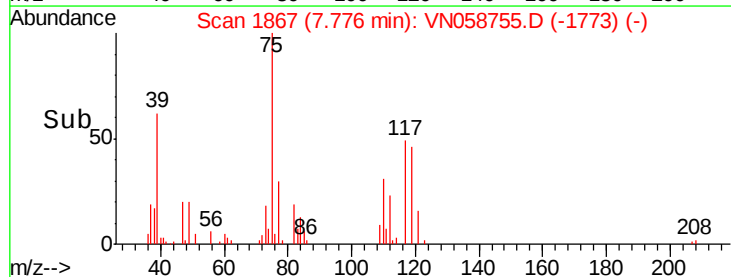
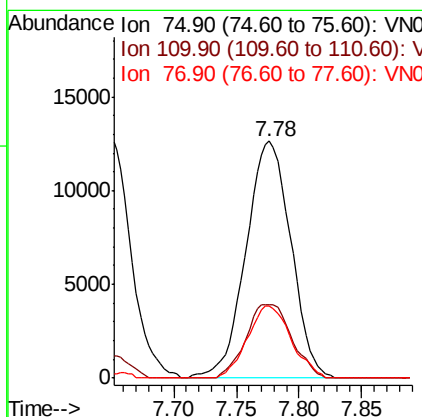
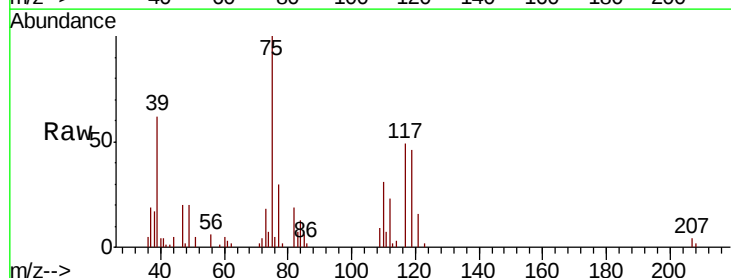
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

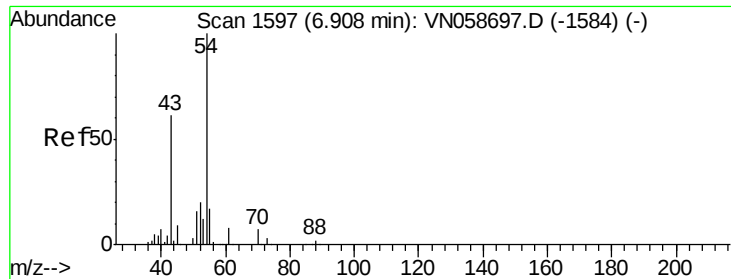
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.3 | 82.3  | 123.5 |
| 192     | 18.3  | 15.0  | 22.6  |



#36  
1,1-Dichloropropene  
Concen: 5.069 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 31.6  | 16.6  | 49.8  |
| 77      | 29.5  | 24.6  | 37.0  |

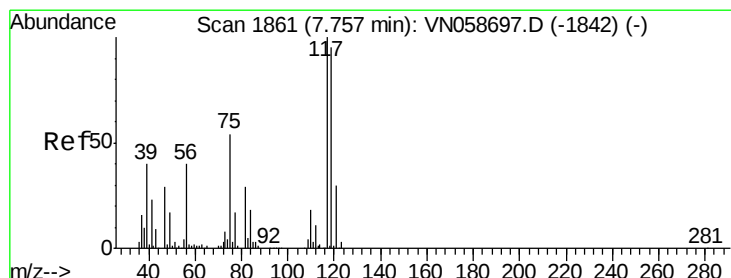
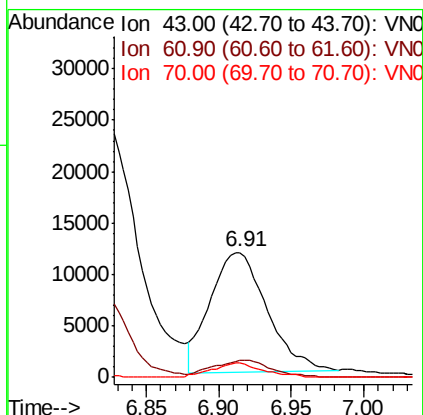
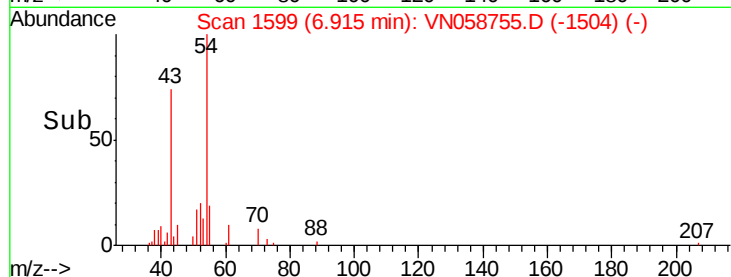
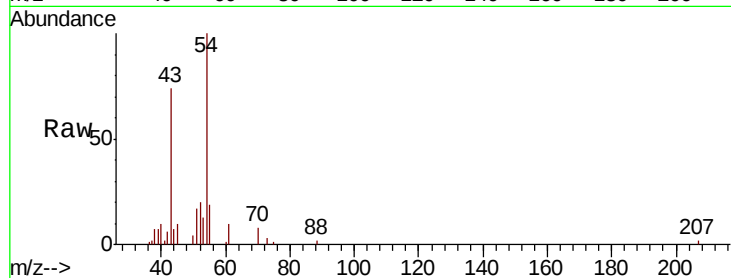




#37  
Ethyl Acetate  
Concen: 5.094 ug/l  
RT: 6.91 min Scan# 1599  
Delta R.T. 0.01 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

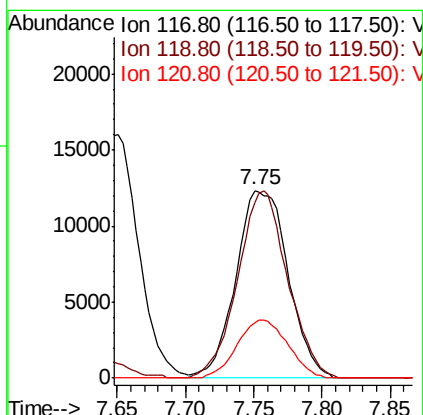
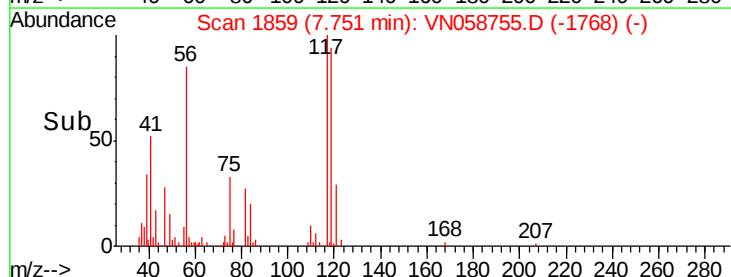
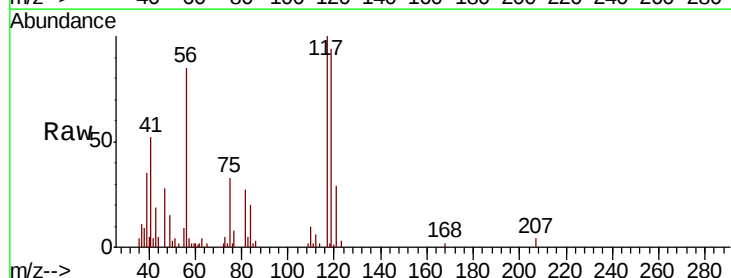
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 32030  
Ion Ratio Lower Upper  
43 100  
61 14.7 11.3 16.9  
70 10.5 7.2 10.8



#38  
Carbon Tetrachloride  
Concen: 5.412 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.01 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 117 Resp: 32793  
Ion Ratio Lower Upper  
117 100  
119 94.1 75.7 113.5  
121 29.4 23.9 35.9

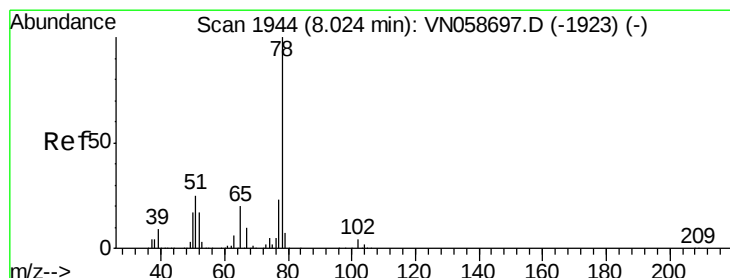
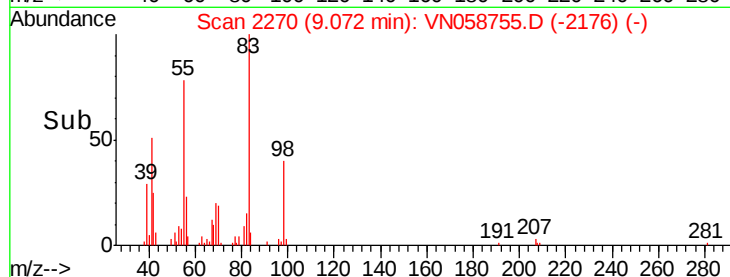
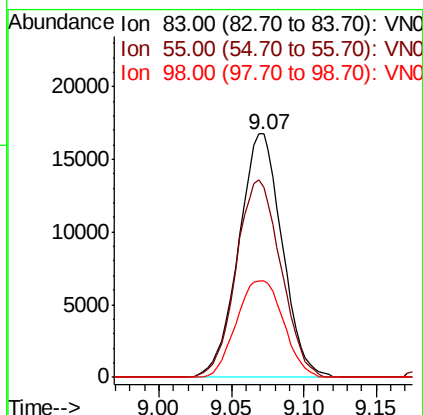
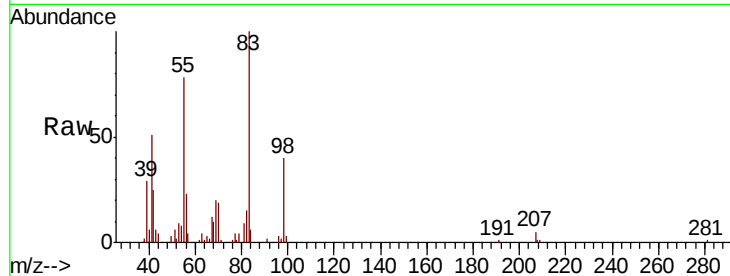




#39  
Methvlcvclohexane  
Concen: 4.836 ug/l  
RT: 9.07 min Scan# 2270  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

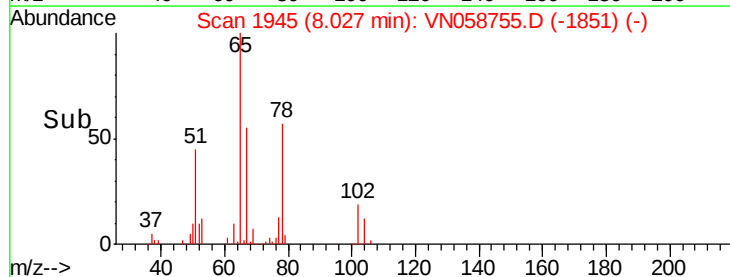
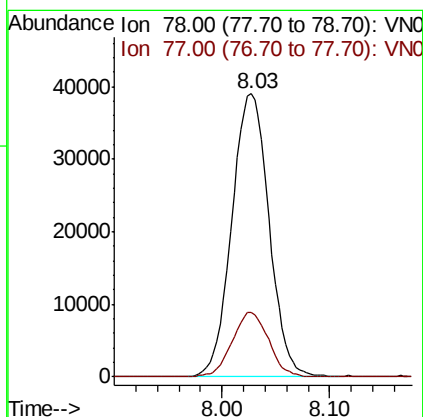
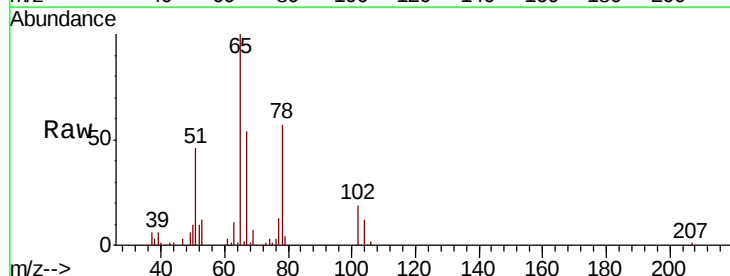
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 83 Resp: 34890  
Ion Ratio Lower Upper  
83 100  
55 78.1 63.4 95.0  
98 39.8 35.1 52.7



#40  
Benzene  
Concen: 5.248 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 78 Resp: 93701  
Ion Ratio Lower Upper  
78 100  
77 22.9 18.8 28.2

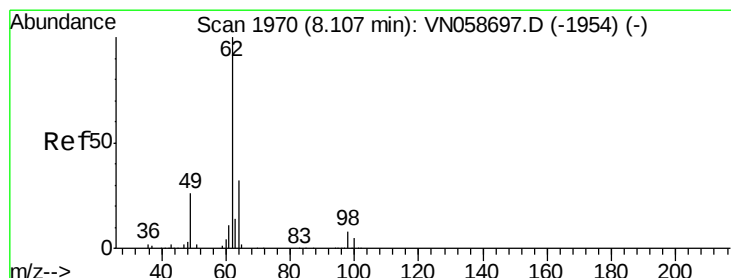
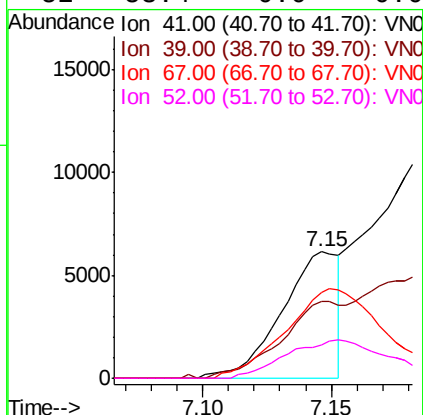
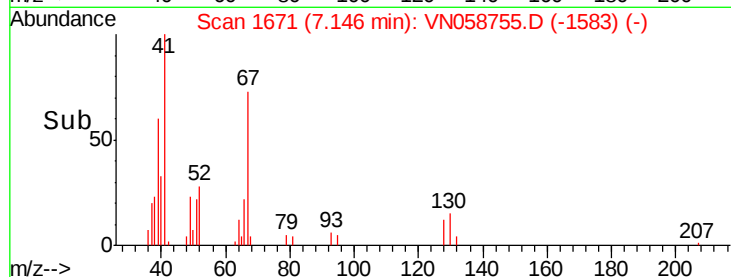
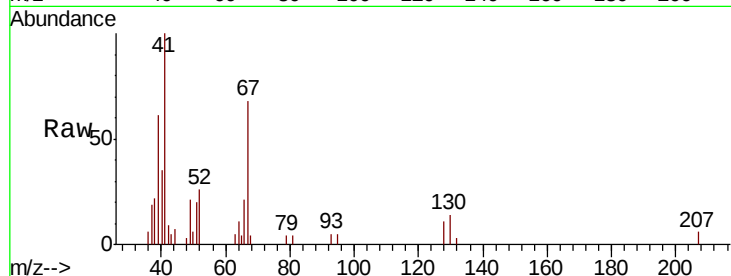




#41  
Methacrylonitrile  
Concen: 3.186 ug/l  
RT: 7.15 min Scan# 1671  
Delta R.T. -0.02 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

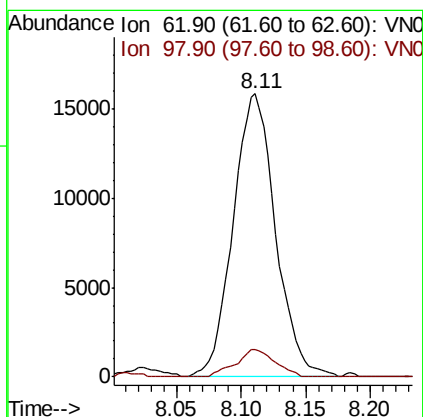
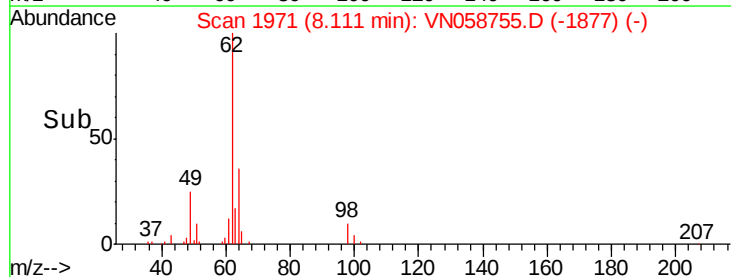
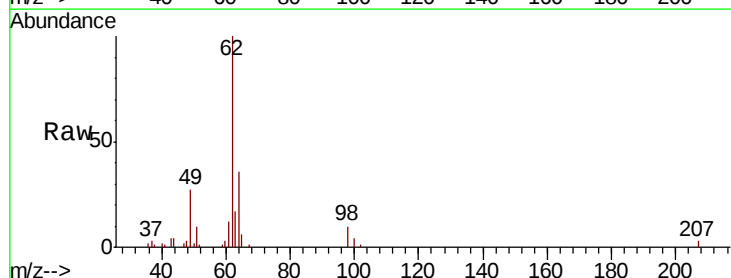
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 41 Resp: 9377  
Ion Ratio Lower Upper  
41 100  
39 68.7 115.4 173.2#  
67 128.9 0.0 0.0#  
52 53.4 0.0 0.0#



#42  
1,2-Dichloroethane  
Concen: 5.290 ug/l  
RT: 8.11 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 62 Resp: 36286  
Ion Ratio Lower Upper  
62 100  
98 9.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 5.045 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

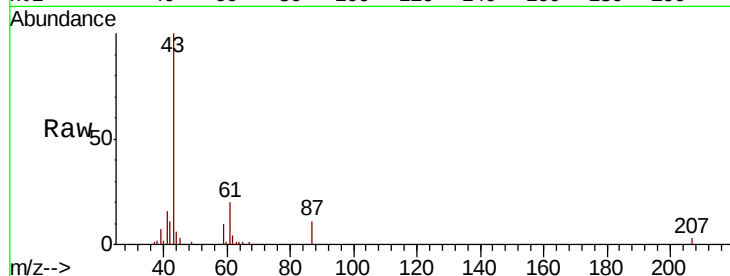
Tot Ion: 43 Resp: 54040

Ion Ratio Lower Upper

43 100

61 18.1 20.3 30.5#

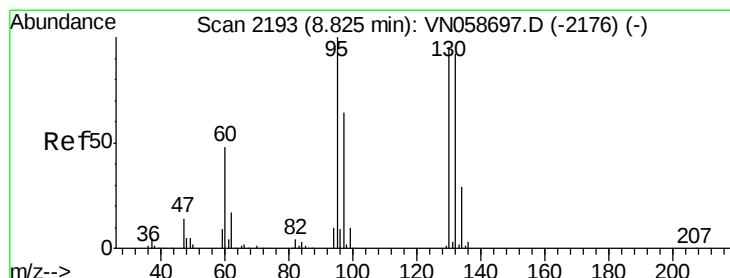
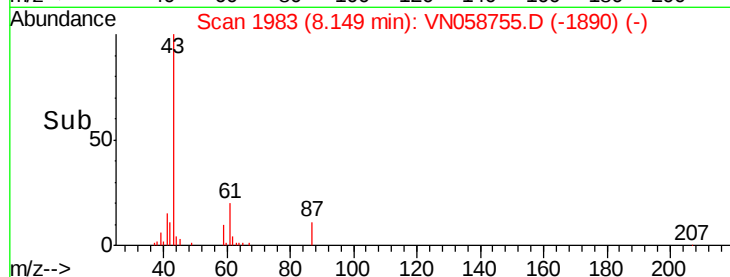
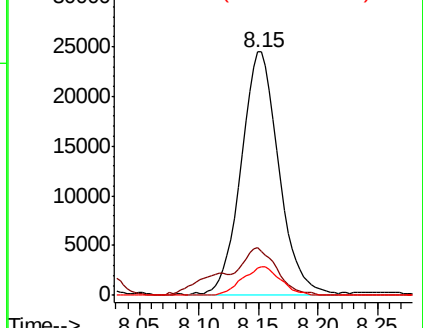
87 11.8 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)



#44

Trichloroethene

Concen: 5.407 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058755.D

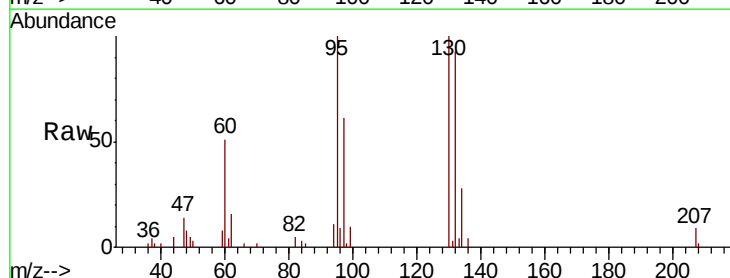
Acq: 14 Oct 2019 17:39

Tgt Ion:130 Resp: 23975

Ion Ratio Lower Upper

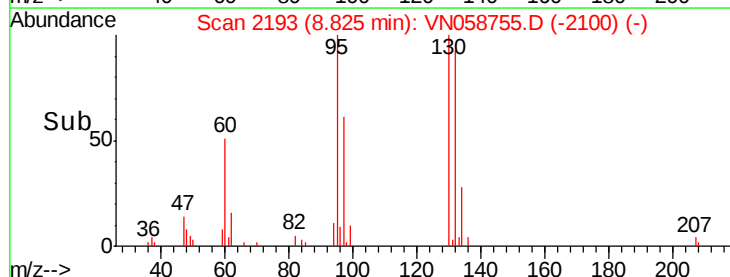
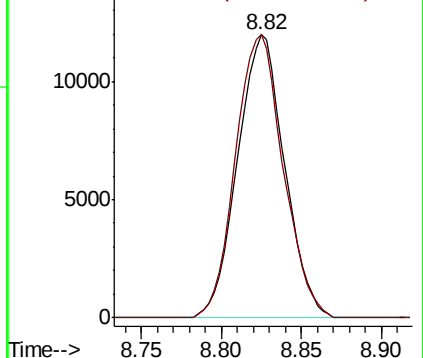
130 100

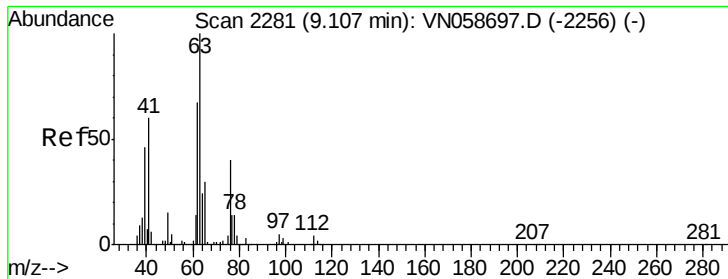
95 100.1 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

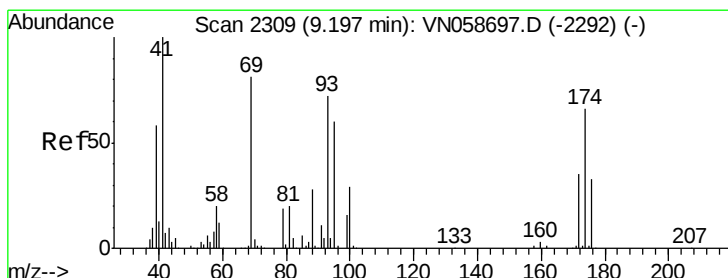
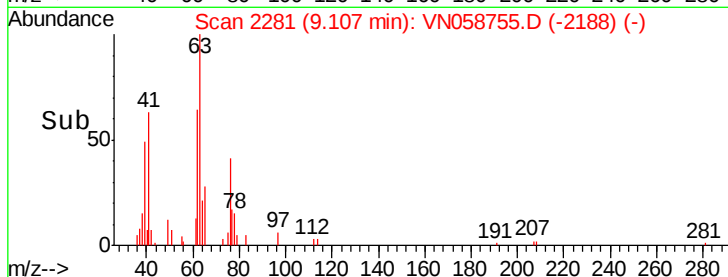
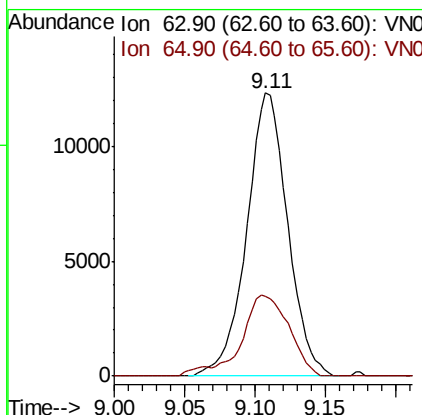
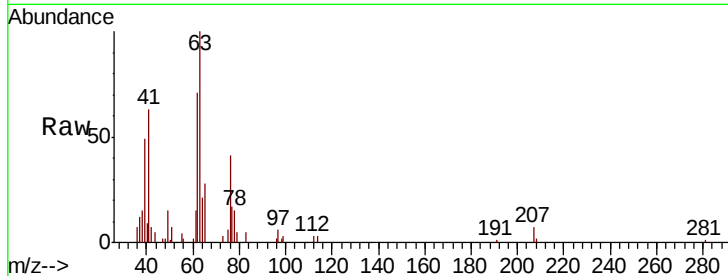




#45  
 1,2-Dichloropropane  
 Concen: 5.246 ug/l  
 RT: 9.11 min Scan# 2281  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

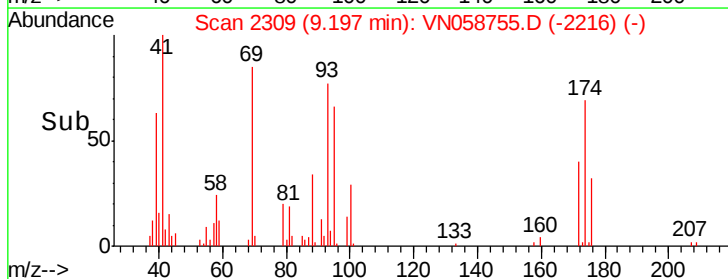
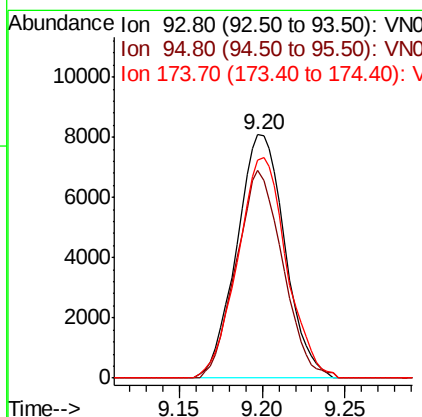
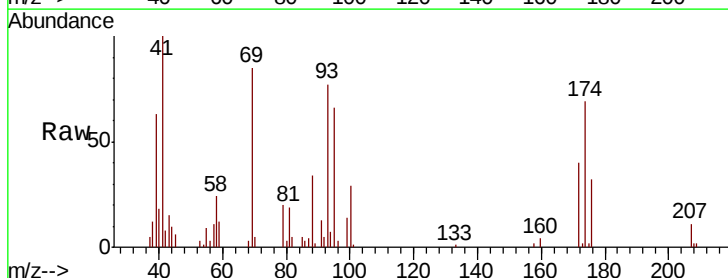
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

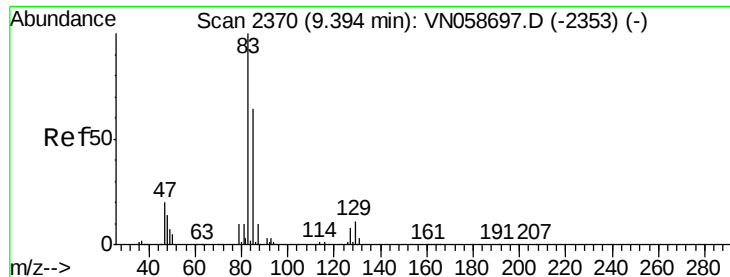
Tot Ion: 63 Resp: 25075  
 Ion Ratio Lower Upper  
 63 100  
 65 28.2 24.1 36.1



#46  
 Dibromomethane  
 Concen: 5.385 ug/l  
 RT: 9.20 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

Tgt Ion: 93 Resp: 16319  
 Ion Ratio Lower Upper  
 93 100  
 95 82.2 66.6 100.0  
 174 92.0 75.2 112.8





#47

Bromodichloromethane

Concen: 5.440 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

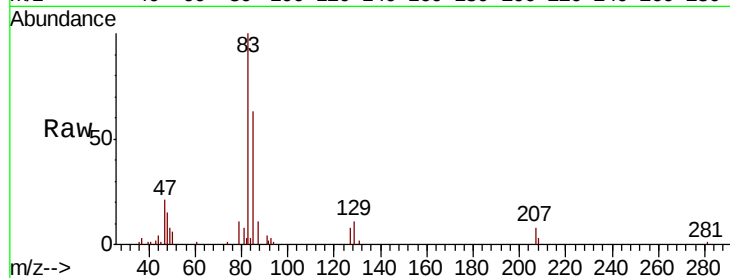
Tot Ion: 83 Resp: 33569

Ion Ratio Lower Upper

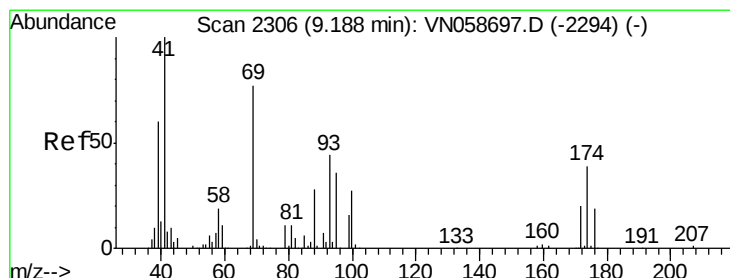
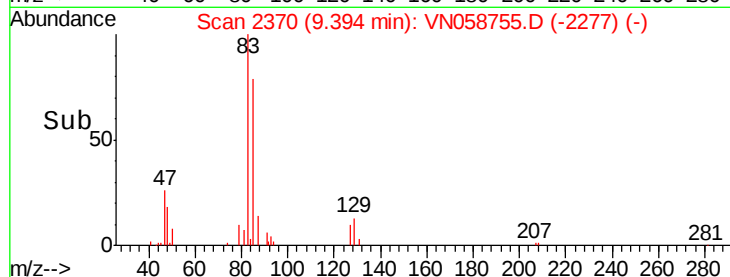
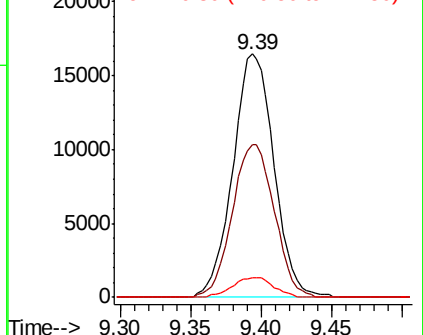
83 100

85 62.7 50.9 76.3

127 7.9 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 4.768 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

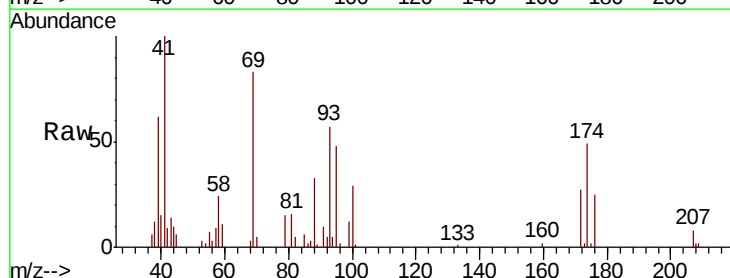
Tgt Ion: 41 Resp: 23149

Ion Ratio Lower Upper

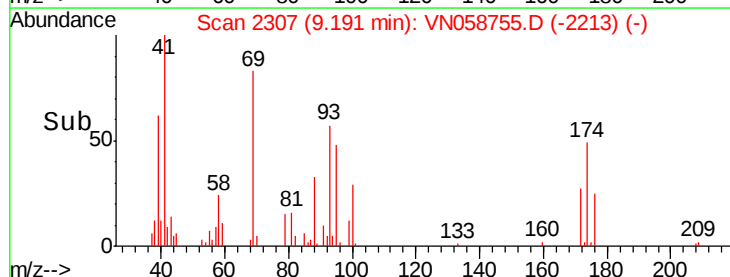
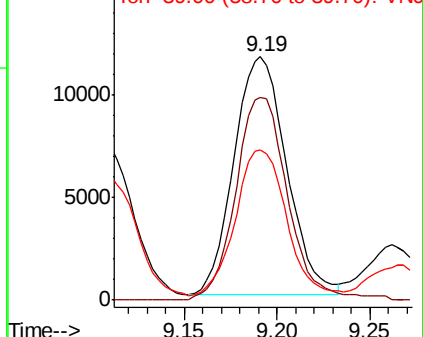
41 100

69 83.7 63.4 95.2

39 60.7 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 105.958 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

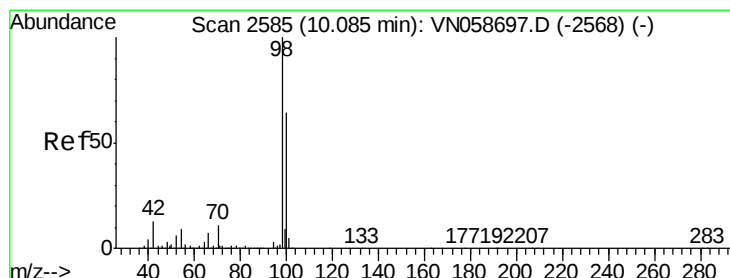
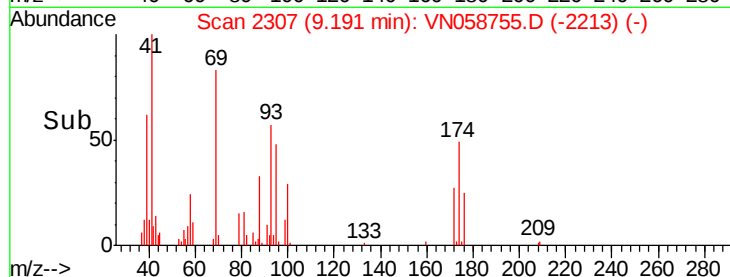
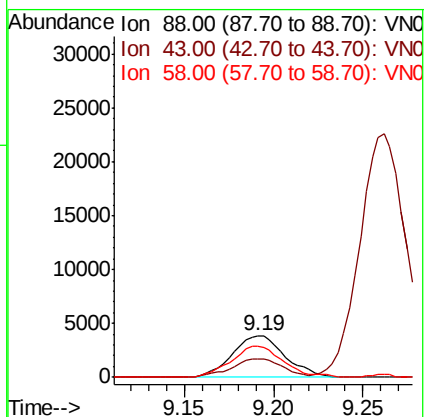
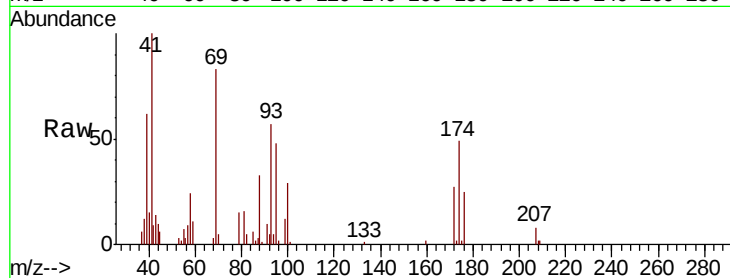
Tot Ion: 88 Resp: 7959

Ion Ratio Lower Upper

88 100

43 42.4 28.6 43.0

58 73.4 57.2 85.8



#50

Toluene-d8

Concen: 50.007 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058755.D

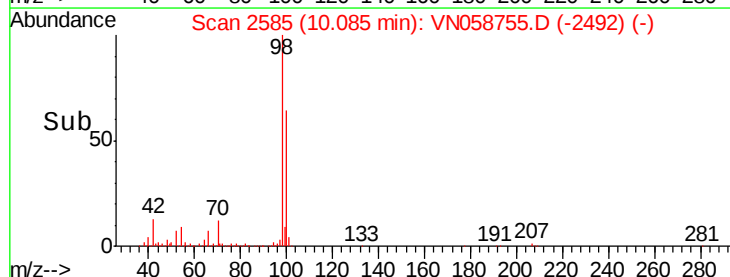
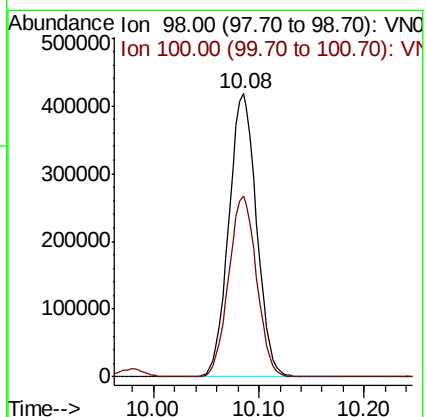
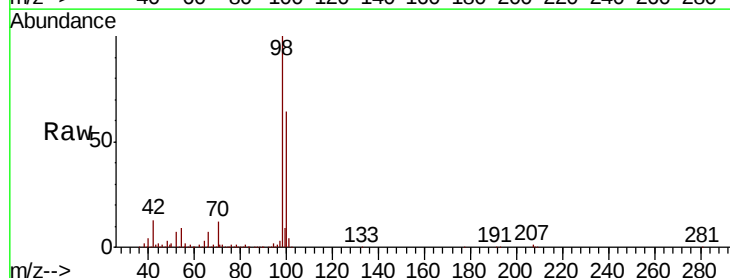
Acq: 14 Oct 2019 17:39

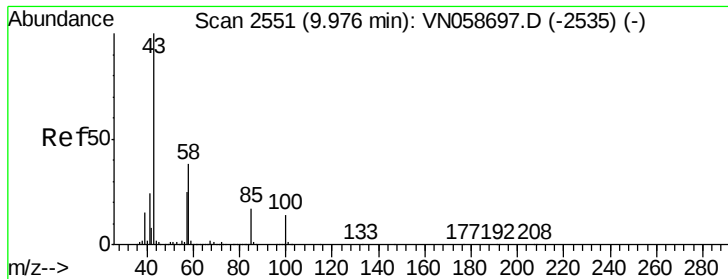
Tgt Ion: 98 Resp: 759526

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 26.670 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

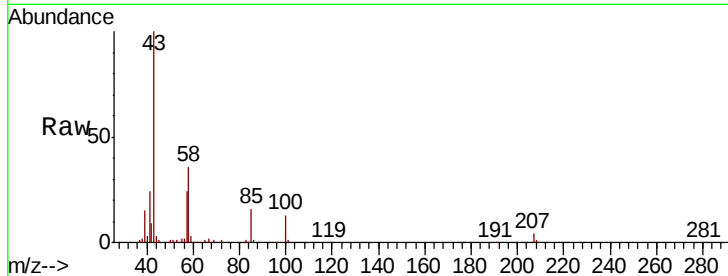
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 160435

Ion Ratio Lower Upper

43 100

58 35.8 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

80000

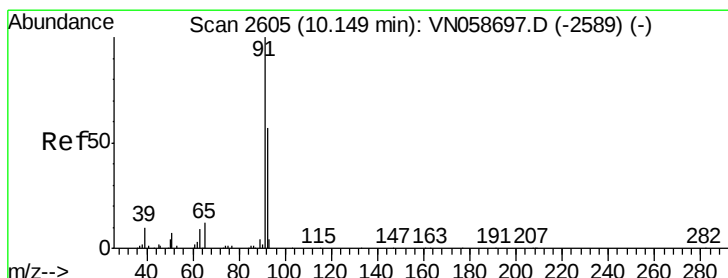
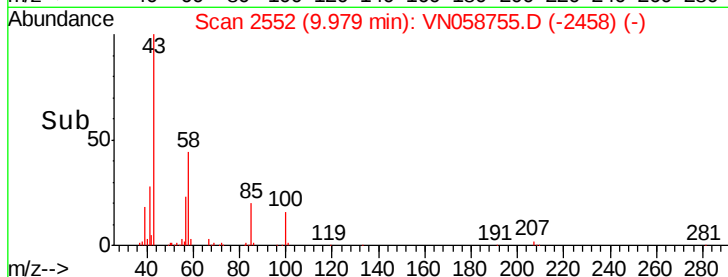
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 5.135 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058755.D

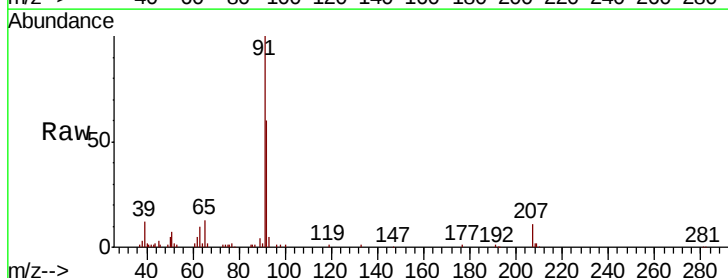
Acq: 14 Oct 2019 17:39

Tgt Ion: 92 Resp: 56084

Ion Ratio Lower Upper

92 100

91 172.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

60000

50000

40000

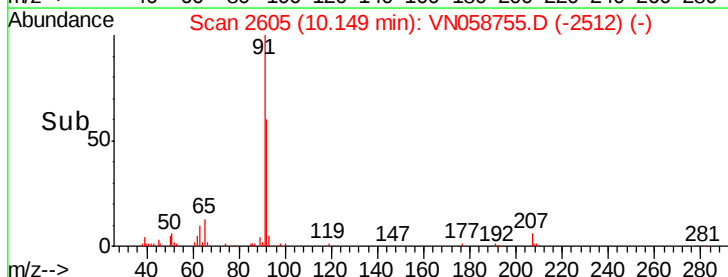
30000

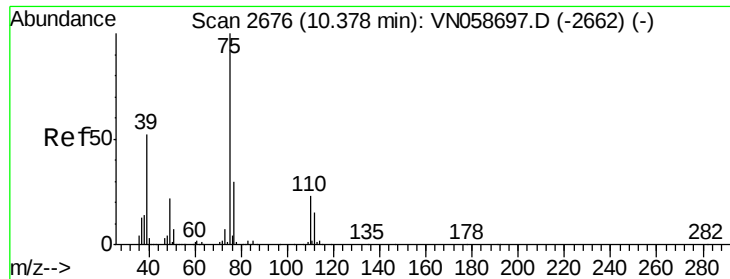
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.883 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

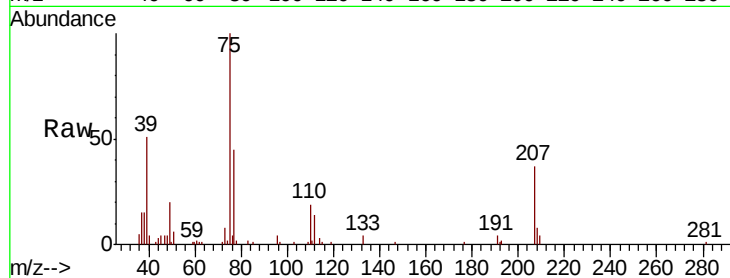
LOQ-WATER-02-QT4-2019

Tot Ion: 75 Resp: 34561

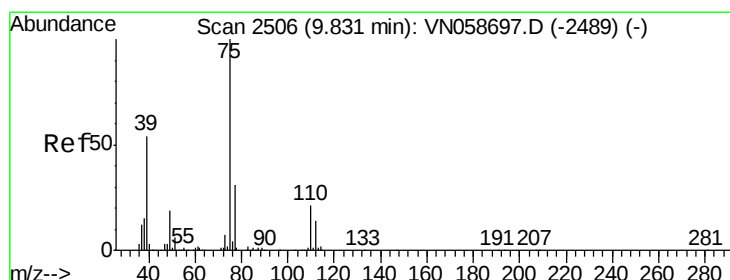
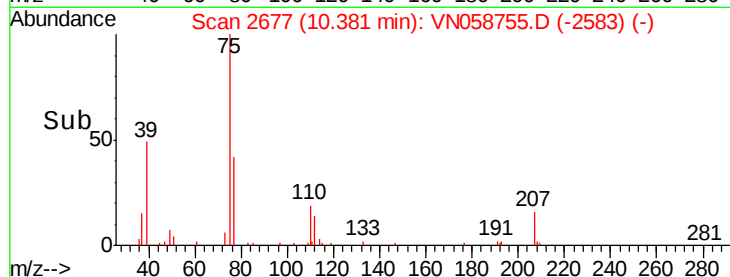
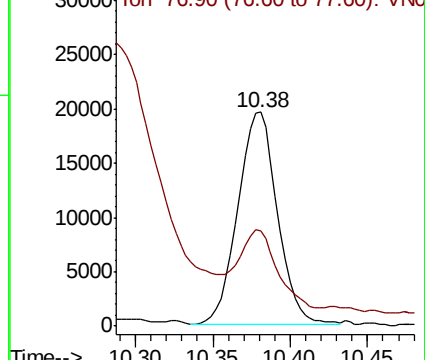
Ion Ratio Lower Upper

75 100

77 36.5 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 4.860 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

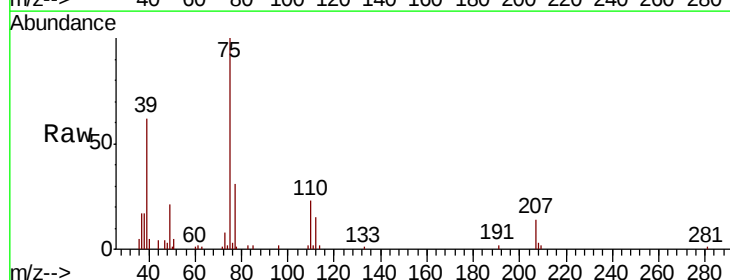
Tgt Ion: 75 Resp: 36523

Ion Ratio Lower Upper

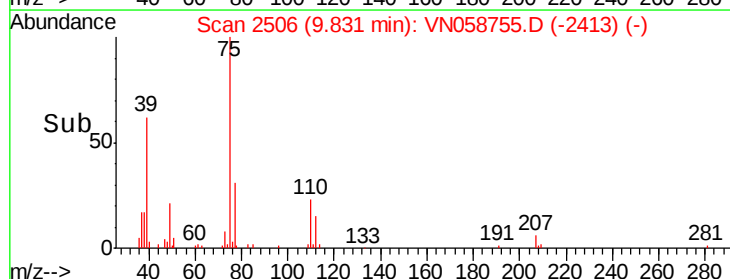
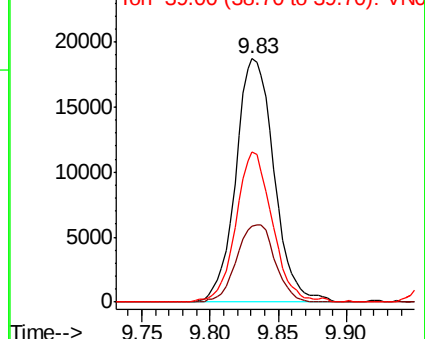
75 100

77 31.3 24.4 36.6

39 61.8 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 76.90 (76.60 to 77.60): VNO  
Ion 39.00 (38.70 to 39.70): VNO





#55

1,1,2-Trichloroethane

Concen: 5.142 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 97 Resp: 22986

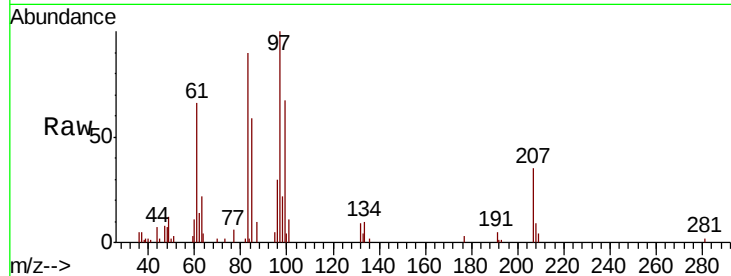
Ion Ratio Lower Upper

97 100

83 90.4 71.2 106.8

85 58.5 46.7 70.1

99 66.6 49.0 73.6



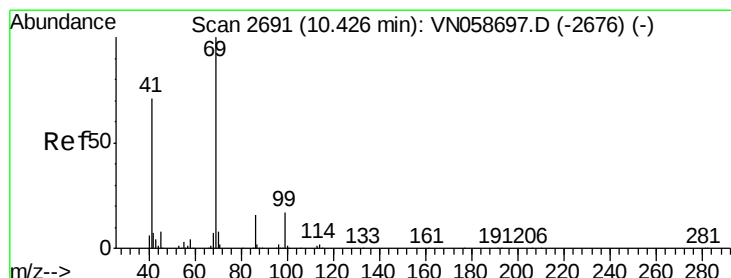
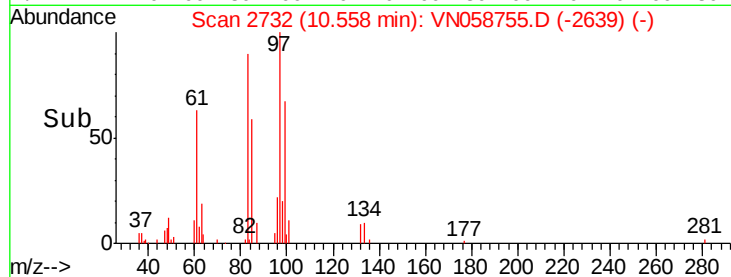
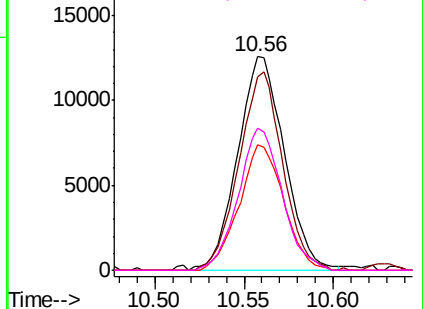
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 4.546 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

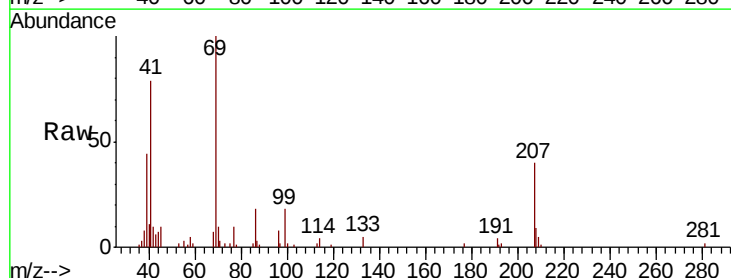
Tgt Ion: 69 Resp: 29686

Ion Ratio Lower Upper

69 100

41 76.9 56.8 85.2

39 45.7 32.5 48.7

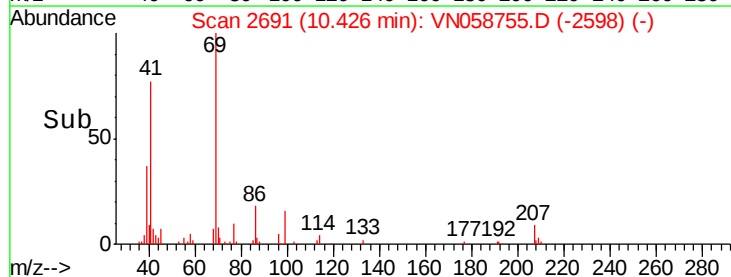
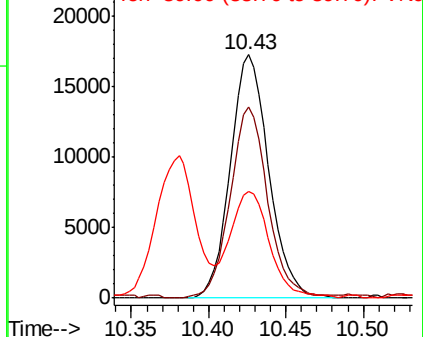


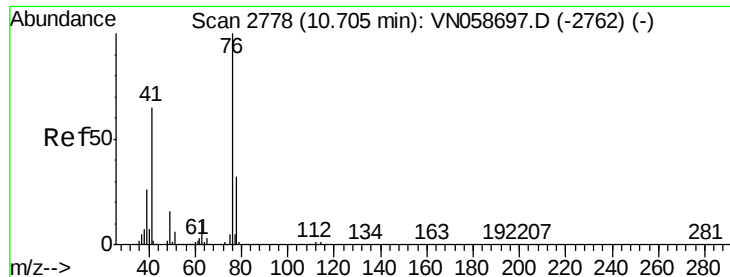
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 5.077 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

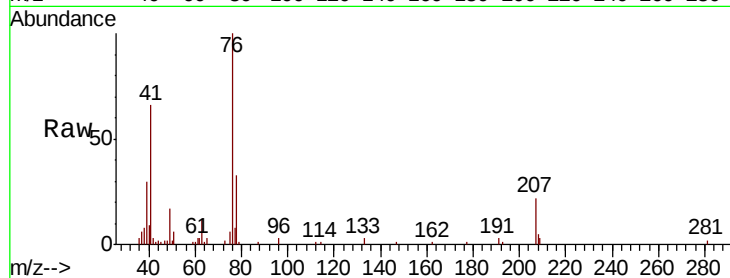
LOQ-WATER-02-QT4-2019

Tot Ion: 76 Resp: 38668

Ion Ratio Lower Upper

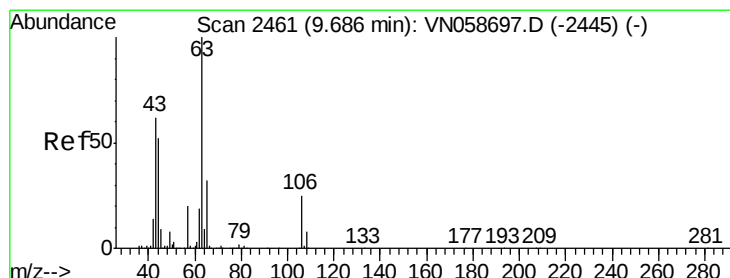
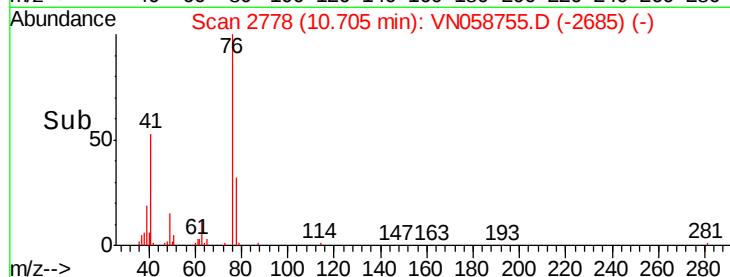
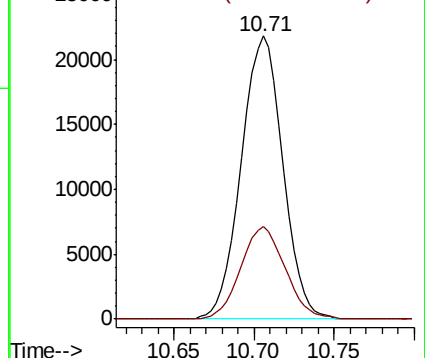
76 100

78 35.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 21.993 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058755.D

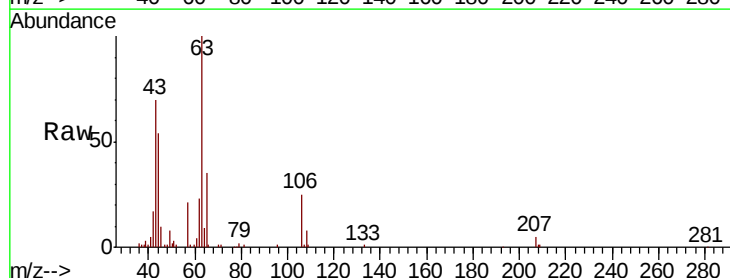
Acq: 14 Oct 2019 17:39

Tgt Ion: 63 Resp: 69211

Ion Ratio Lower Upper

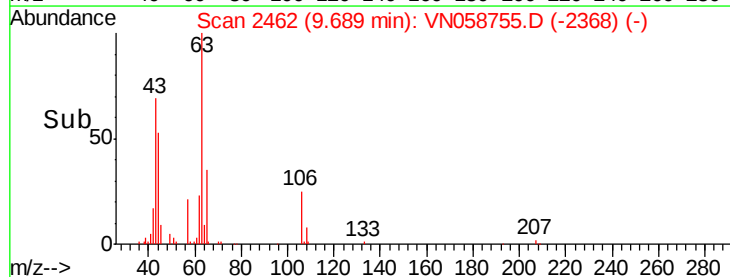
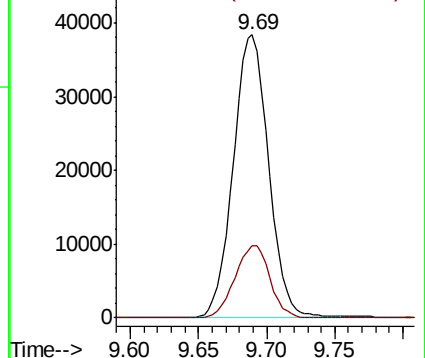
63 100

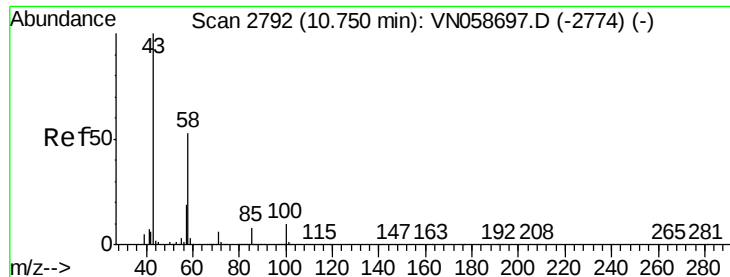
106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

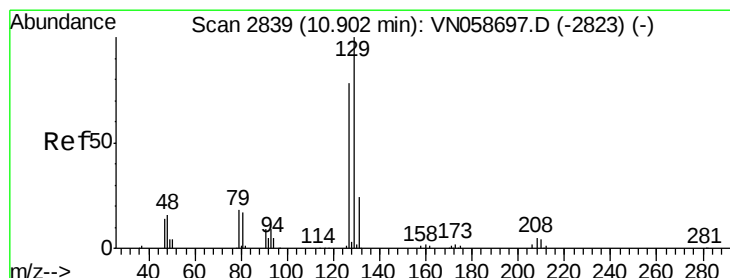
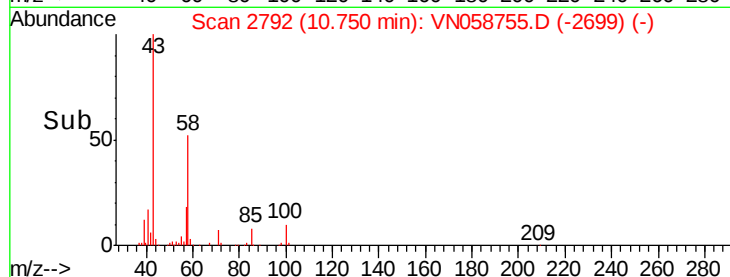
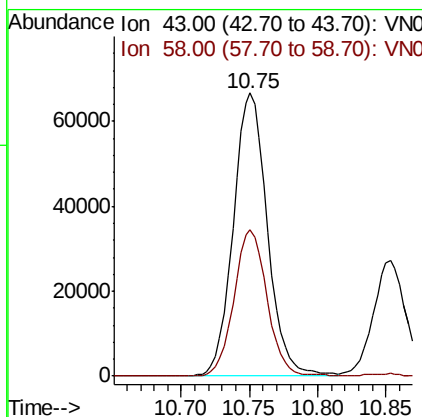
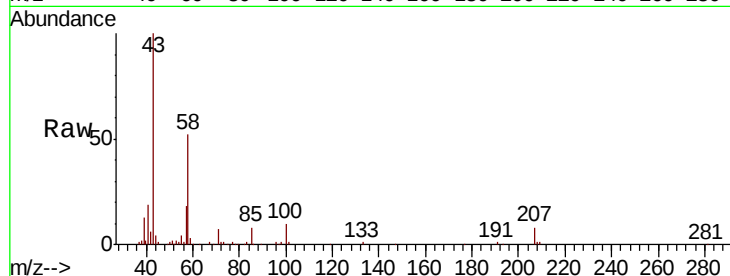




#59  
2-Hexanone  
Concen: 24.585 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

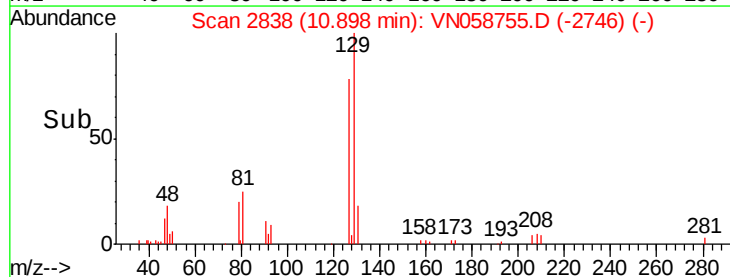
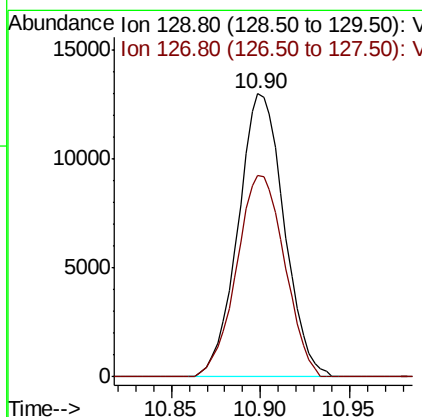
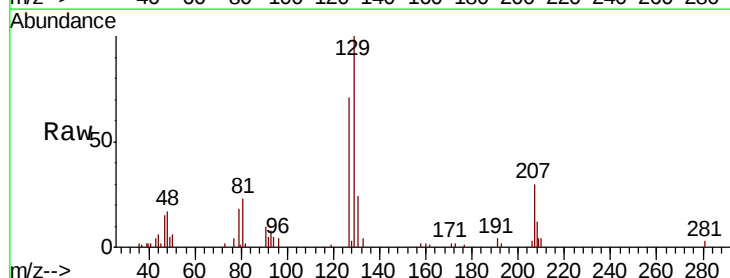
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 114294  
Ion Ratio Lower Upper  
43 100  
58 50.5 26.1 78.3



#60  
Dibromochloromethane  
Concen: 5.058 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 129 Resp: 23324  
Ion Ratio Lower Upper  
129 100  
127 74.2 38.5 115.3

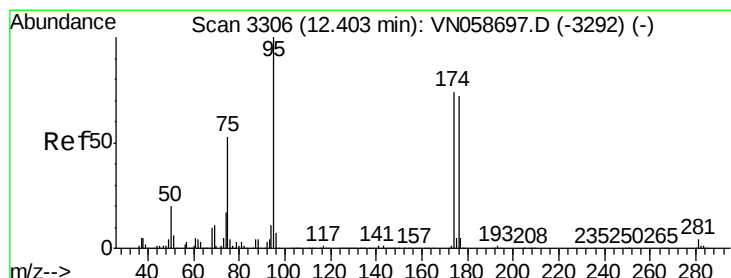
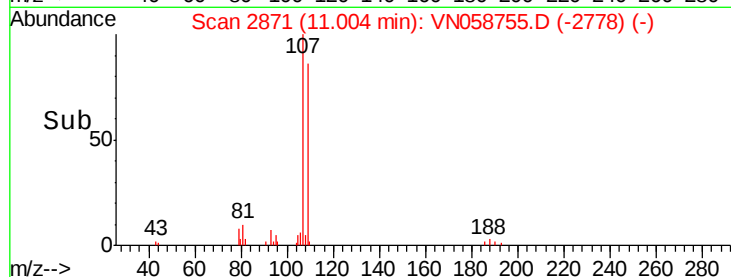
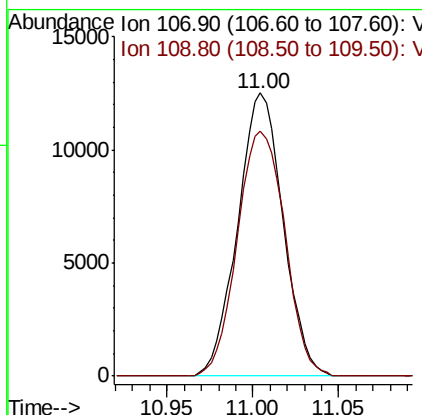
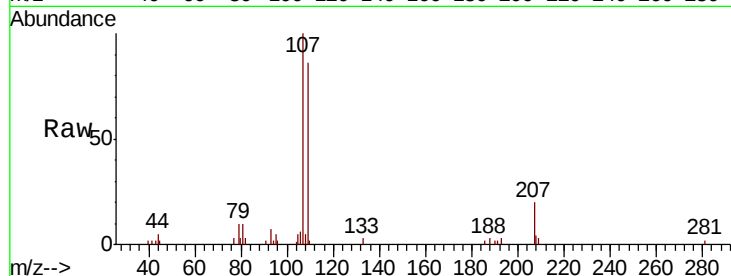




#61  
1,2-Dibromoethane  
Concen: 5.113 ug/l  
RT: 11.00 min Scan# 2871  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

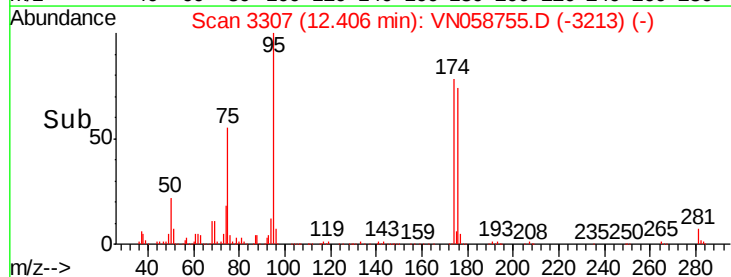
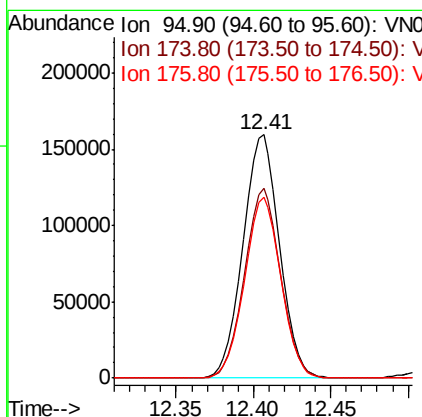
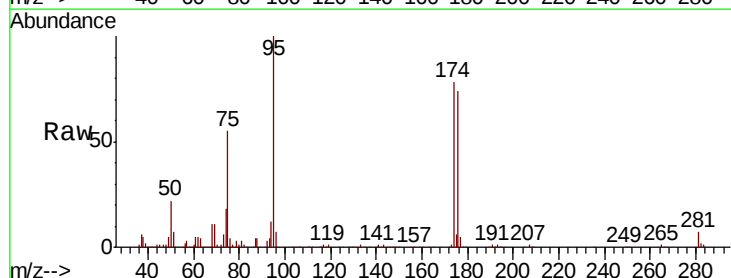
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion:107 Resp: 22897  
Ion Ratio Lower Upper  
107 100  
109 90.8 75.4 113.0



#62  
4-Bromofluorobenzene  
Concen: 45.669 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 95 Resp: 262561  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 150.4  
176 73.9 0.0 146.8

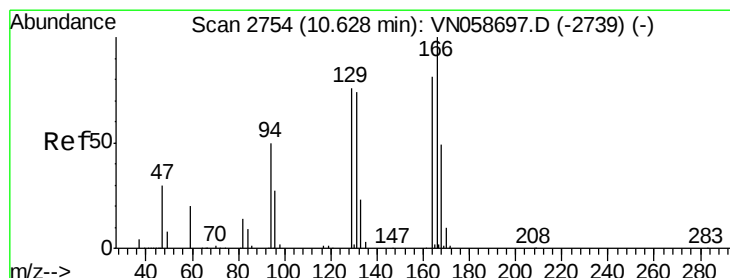
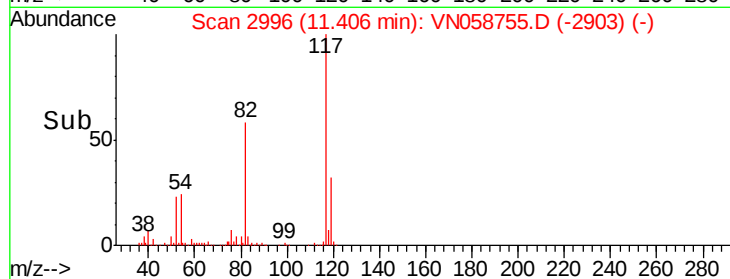
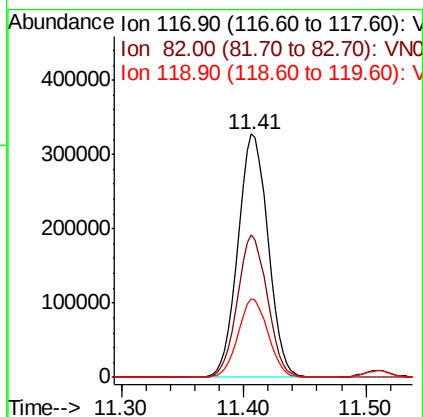
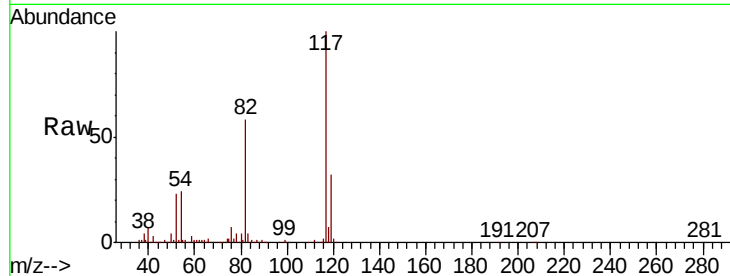




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

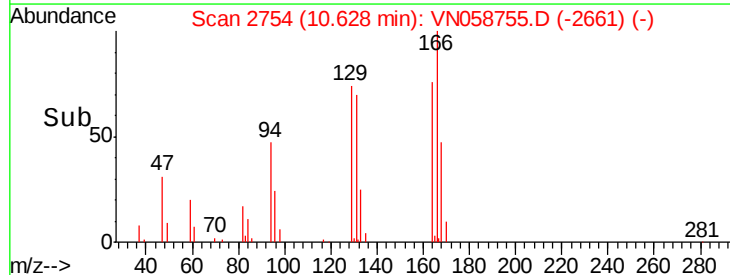
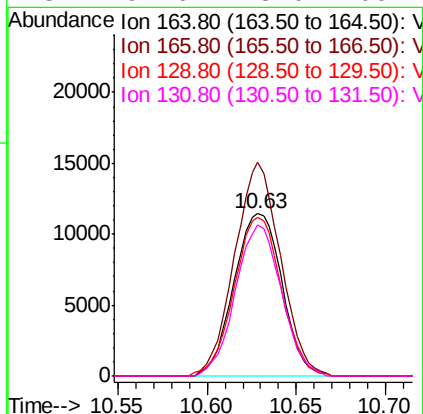
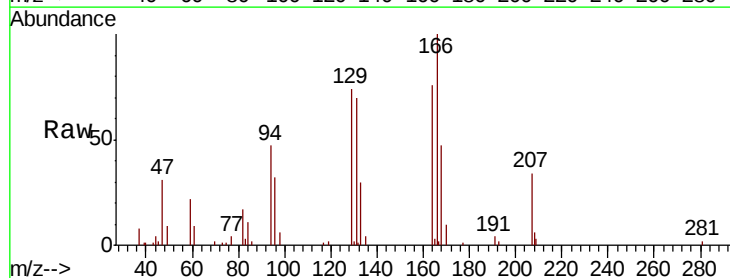
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

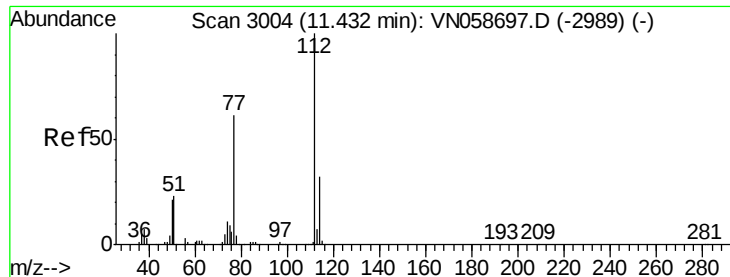
Tot Ion:117 Resp: 558552  
Ion Ratio Lower Upper  
117 100  
82 58.3 47.0 70.4  
119 32.1 25.4 38.2



#64  
Tetrachloroethene  
Concen: 5.506 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion:164 Resp: 21524  
Ion Ratio Lower Upper  
164 100  
166 131.5 99.3 148.9  
129 97.7 75.2 112.8  
131 92.6 73.0 109.4

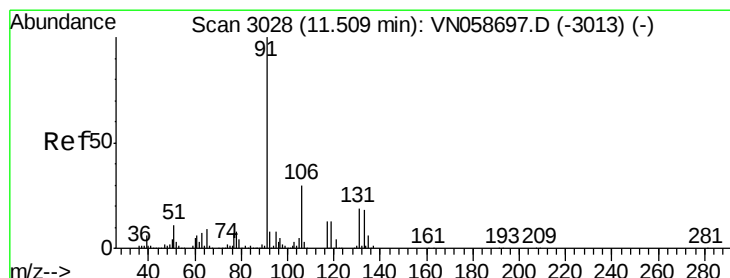
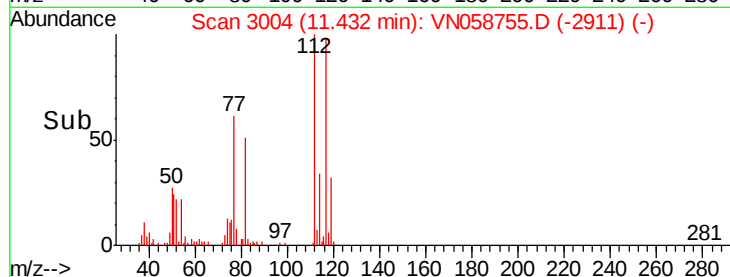
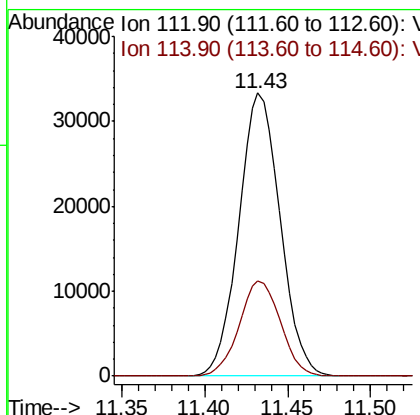
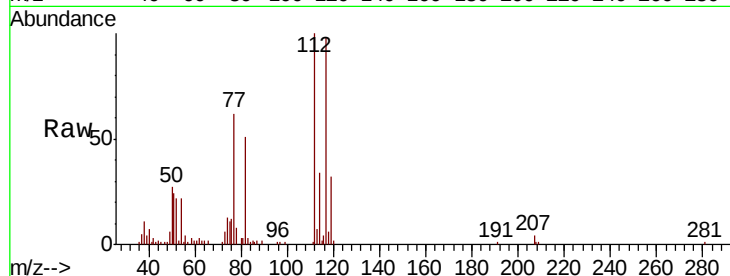




#65  
Chlorobenzene  
Concen: 5.101 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

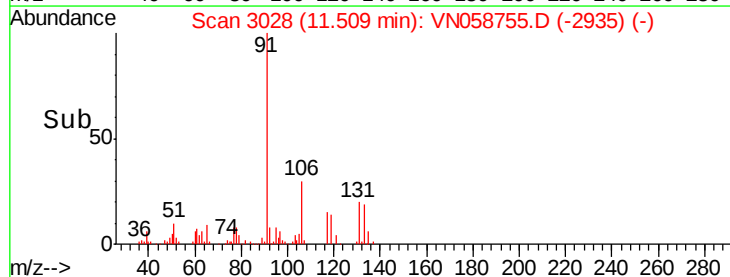
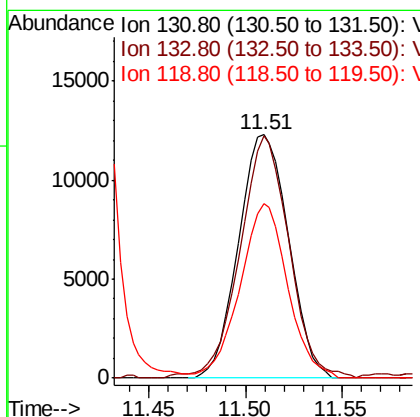
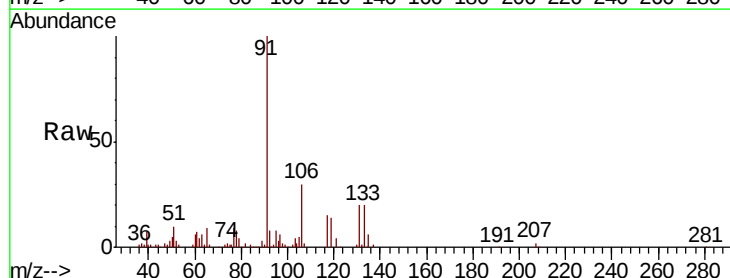
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

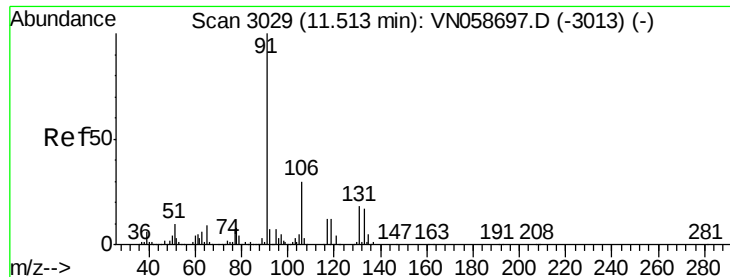
Tot Ion:112 Resp: 57862  
Ion Ratio Lower Upper  
112 100  
114 33.8 25.2 37.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.264 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion:131 Resp: 22078  
Ion Ratio Lower Upper  
131 100  
133 97.9 47.6 142.9  
119 68.5 33.0 98.9

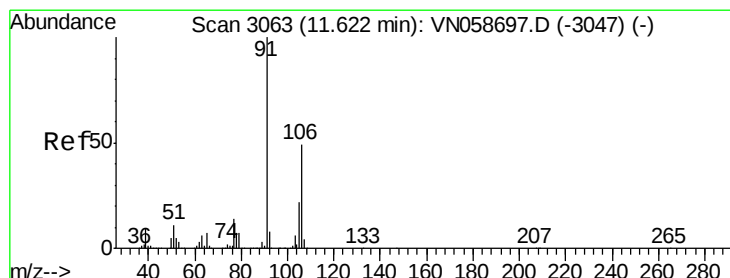
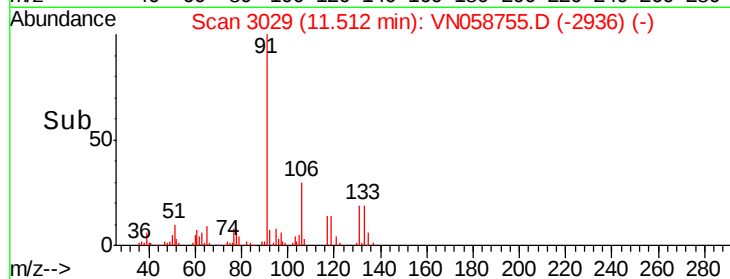
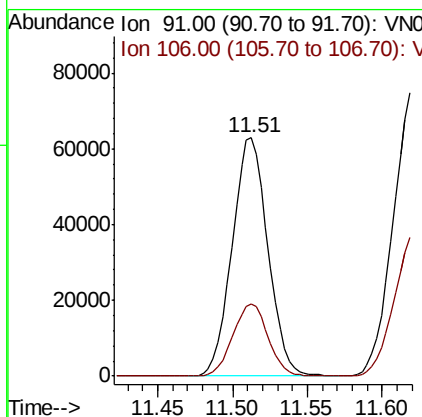
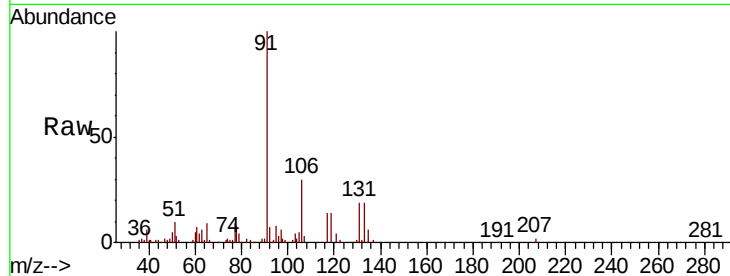




#67  
Ethyl Benzene  
Concen: 5.162 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

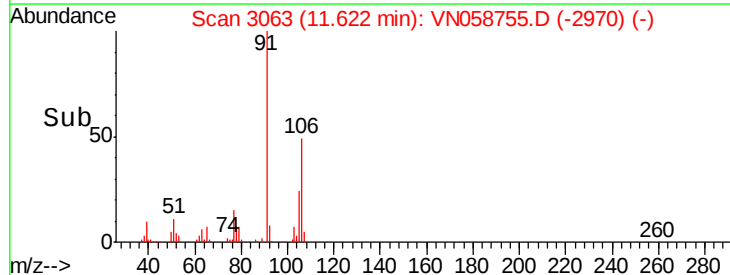
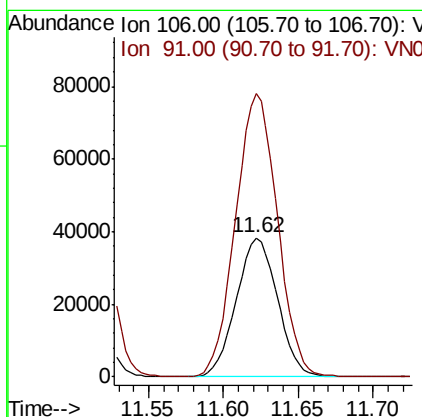
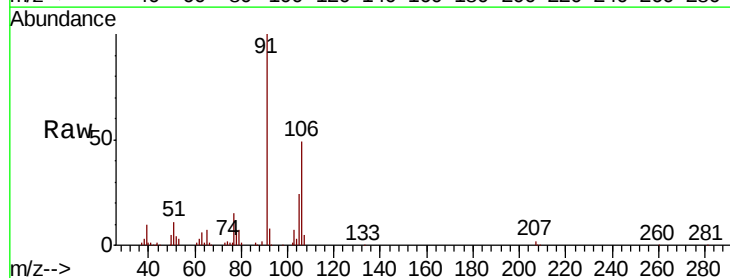
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

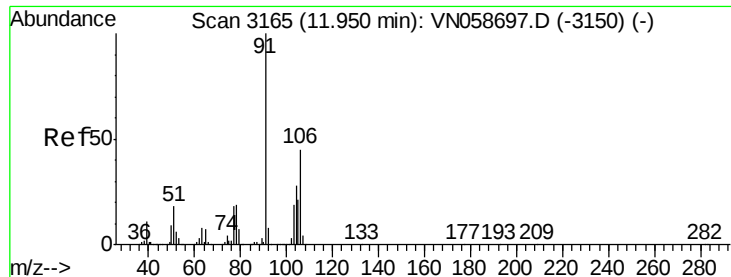
Tot Ion: 91 Resp: 104372  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.1 36.1



#68  
m/p-Xylenes  
Concen: 9.674 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 106 Resp: 73405  
Ion Ratio Lower Upper  
106 100  
91 207.3 165.7 248.5

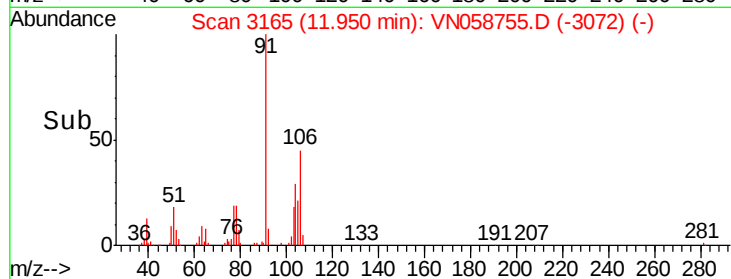
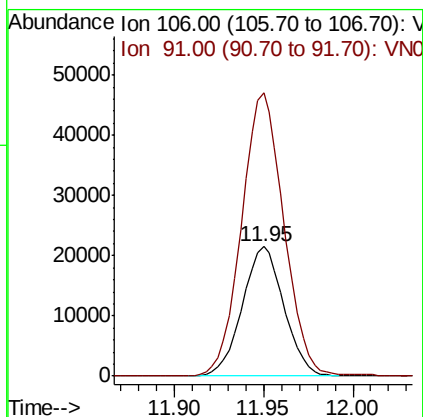
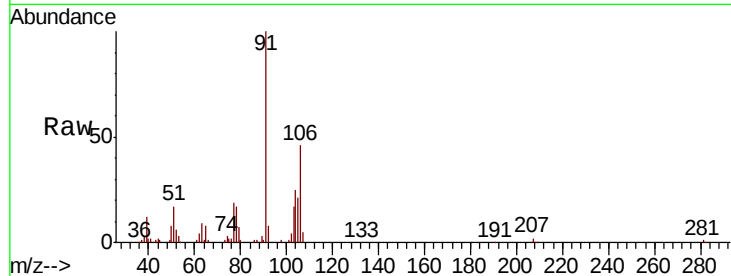




#69  
o-Xylene  
Concen: 4.775 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

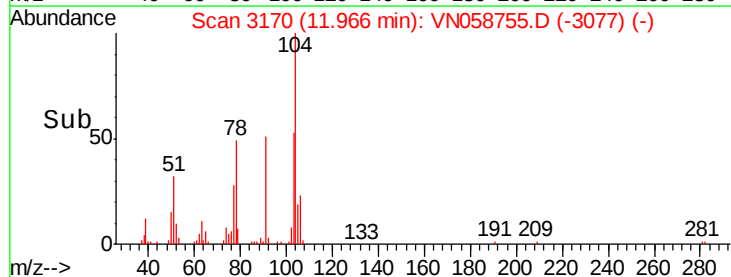
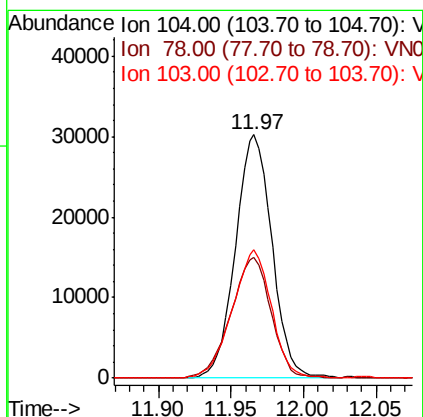
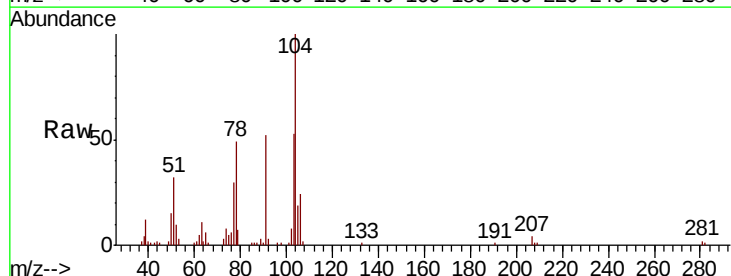
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

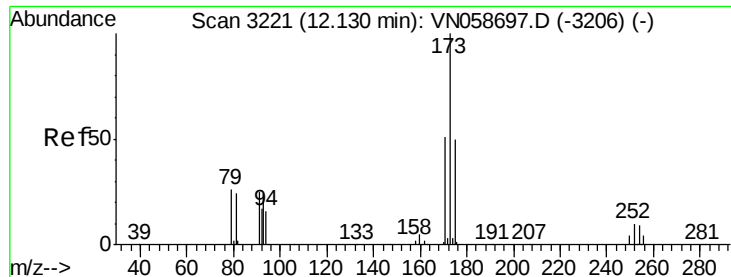
Tot Ion:106 Resp: 35057  
Ion Ratio Lower Upper  
106 100  
91 222.1 110.9 332.9



#70  
Styrene  
Concen: 4.410 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion:104 Resp: 53061  
Ion Ratio Lower Upper  
104 100  
78 54.4 42.2 63.2  
103 56.3 43.7 65.5





#71

Bromoform

Concen: 5.093 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

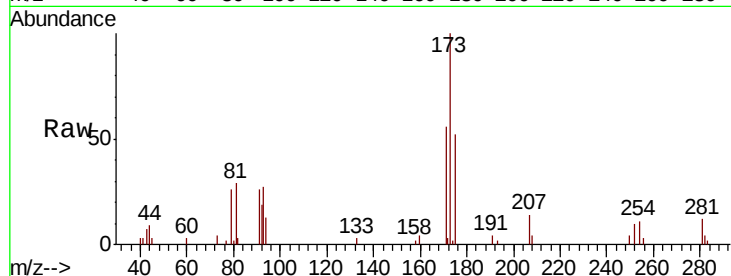
Tot Ion:173 Resp: 15657

Ion Ratio Lower Upper

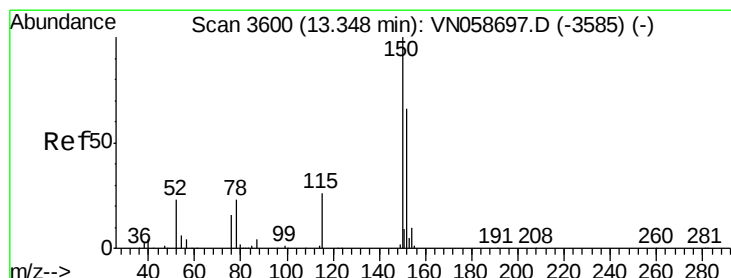
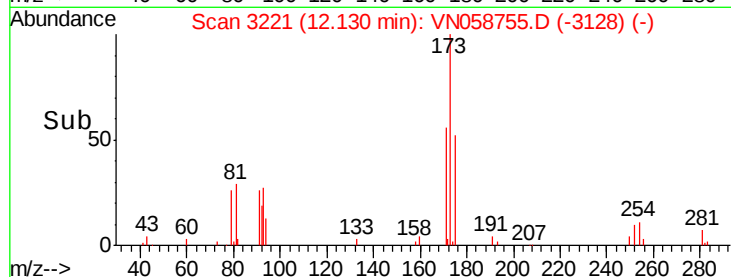
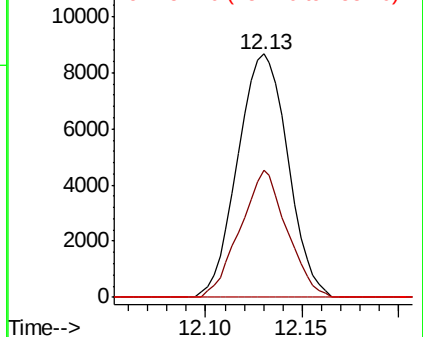
173 100

175 48.5 24.6 73.8

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

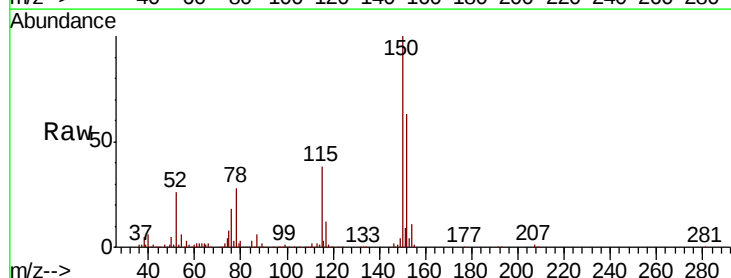
Tgt Ion:152 Resp: 246494

Ion Ratio Lower Upper

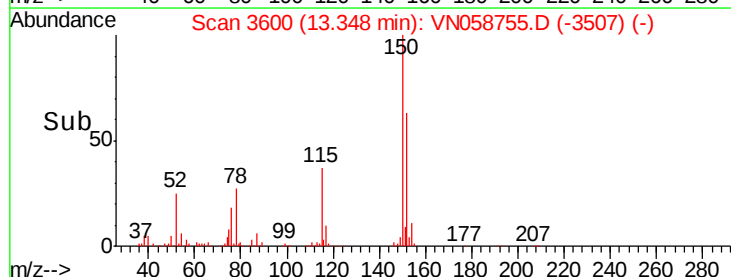
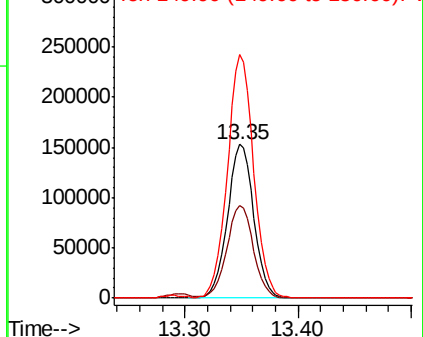
152 100

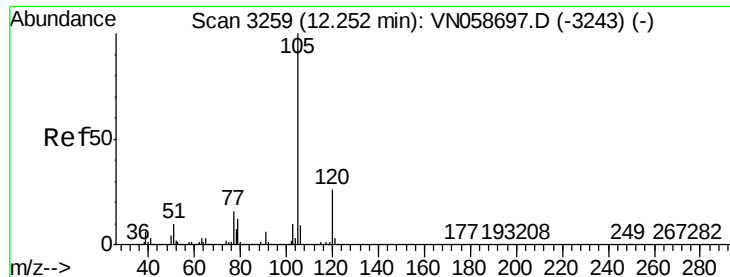
115 60.6 30.4 91.2

150 158.6 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.188 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

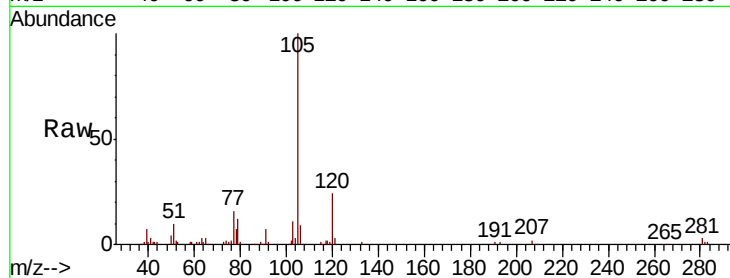
LOQ-WATER-02-QT4-2019

Tot Ion: 105 Resp: 92617

Ion Ratio Lower Upper

105 100

120 25.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

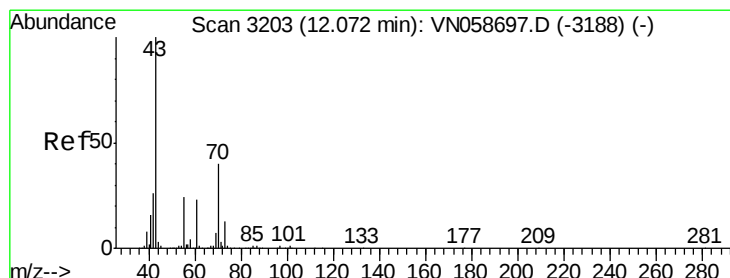
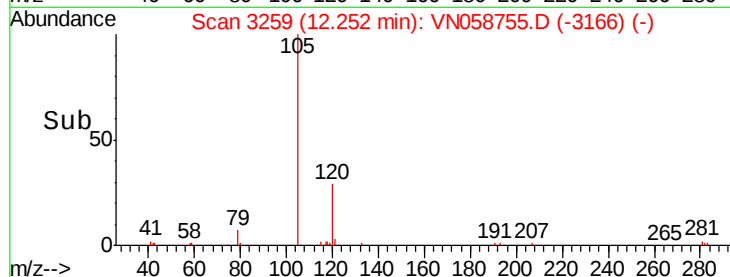
40000

20000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 4.771 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Tgt Ion: 43 Resp: 38254

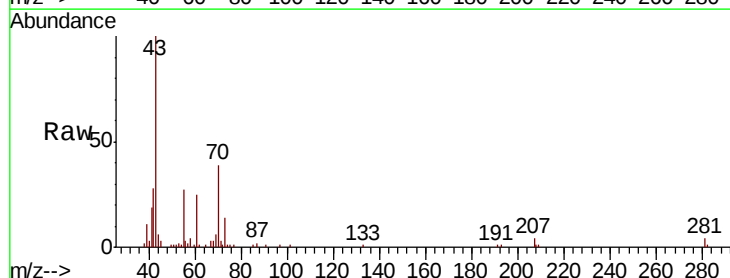
Ion Ratio Lower Upper

43 100

70 39.4 32.2 48.4

55 28.3 19.6 29.4

61 25.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

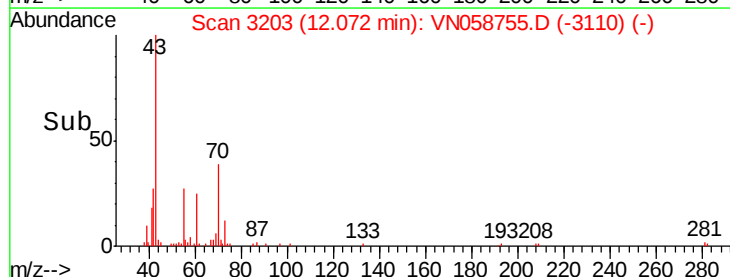
20000

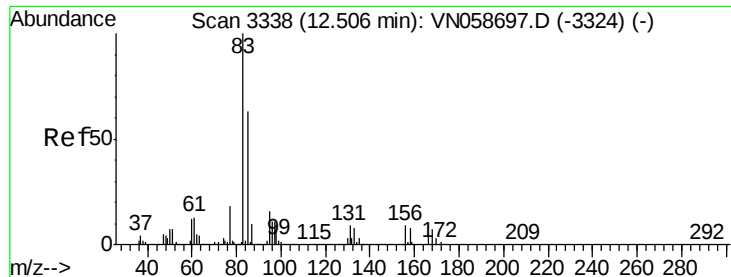
10000

0

12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.782 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

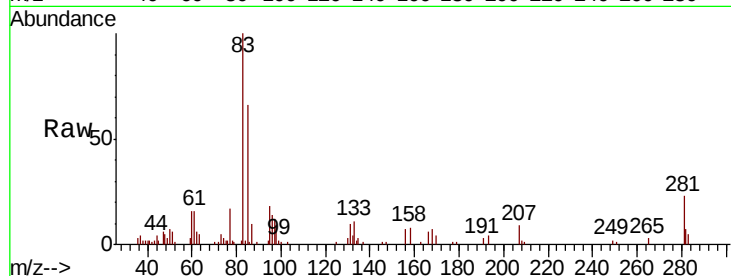
Tot Ion: 83 Resp: 34004

Ion Ratio Lower Upper

83 100

131 10.7 4.8 14.4

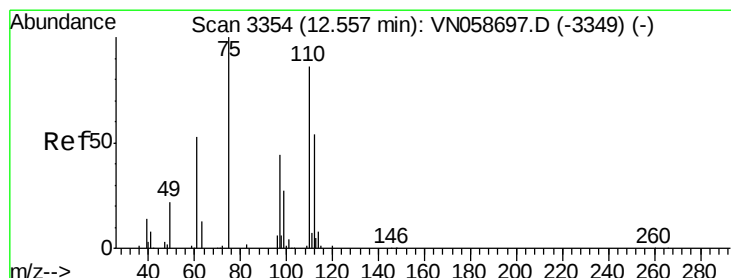
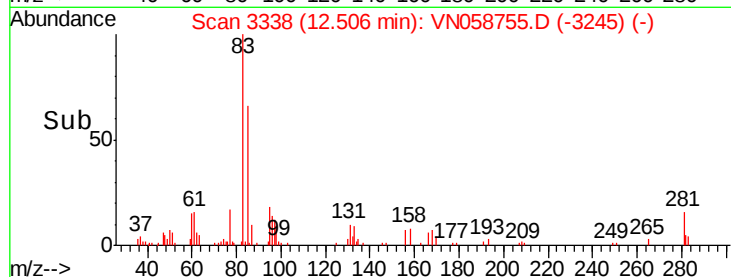
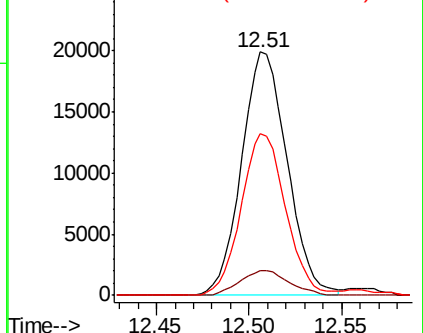
85 64.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 7.924 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058755.D

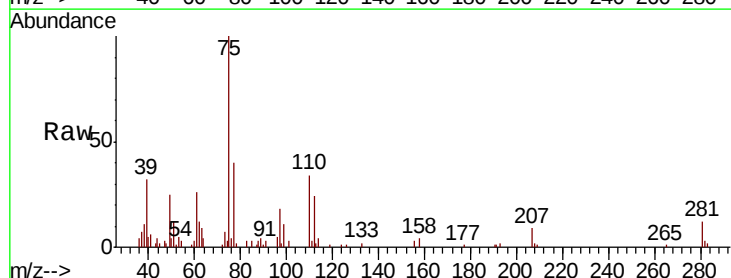
Acq: 14 Oct 2019 17:39

Tgt Ion: 75 Resp: 42849

Ion Ratio Lower Upper

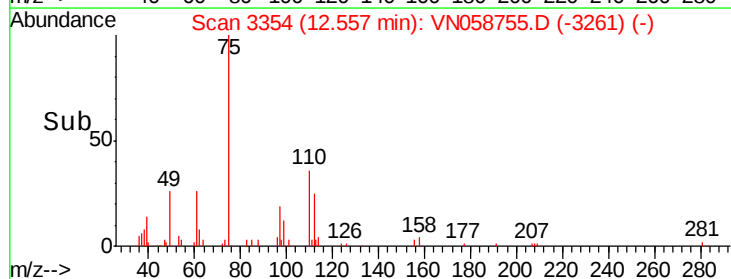
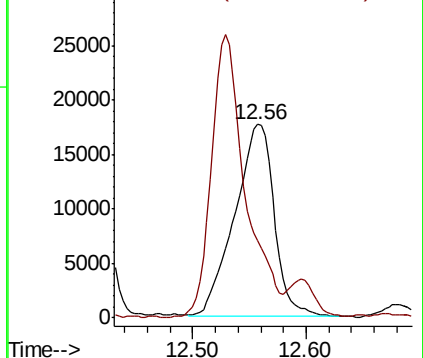
75 100

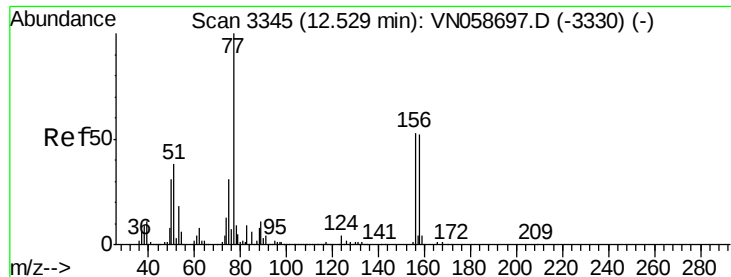
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 5.293 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

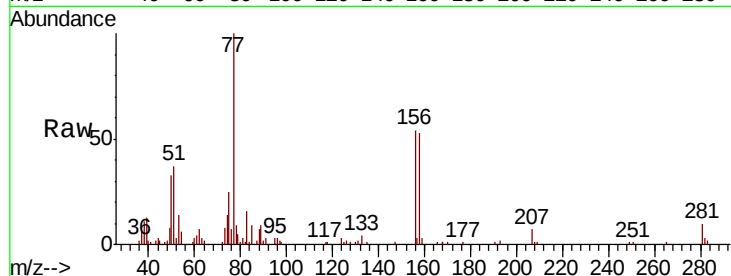
Tot Ion:156 Resp: 22984

Ion Ratio Lower Upper

156 100

77 237.2 115.8 347.3

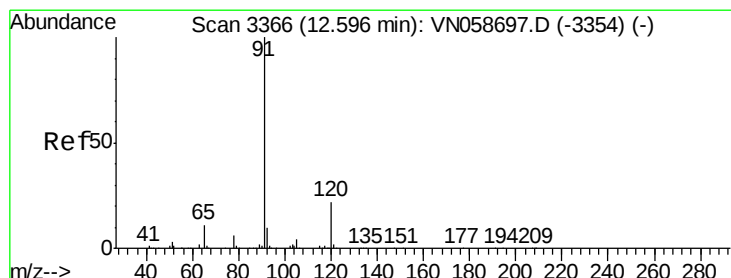
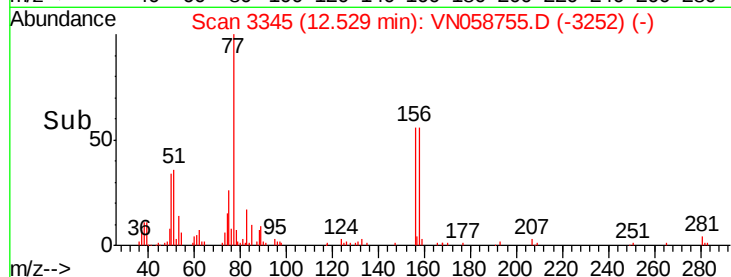
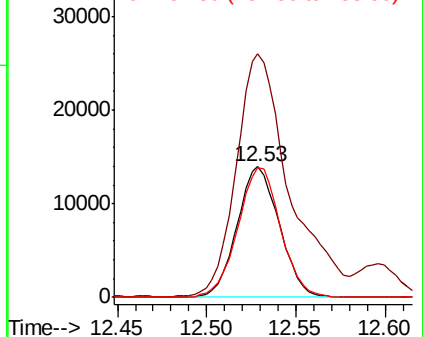
158 100.4 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.297 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058755.D

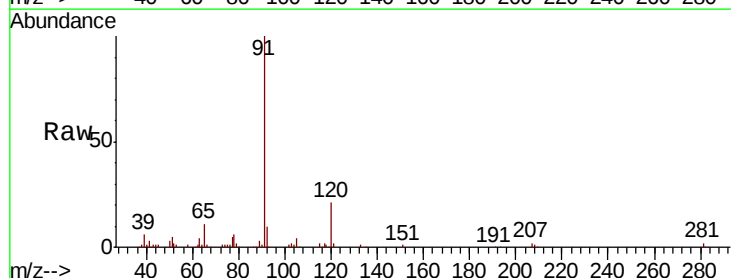
Acq: 14 Oct 2019 17:39

Tgt Ion: 91 Resp: 110192

Ion Ratio Lower Upper

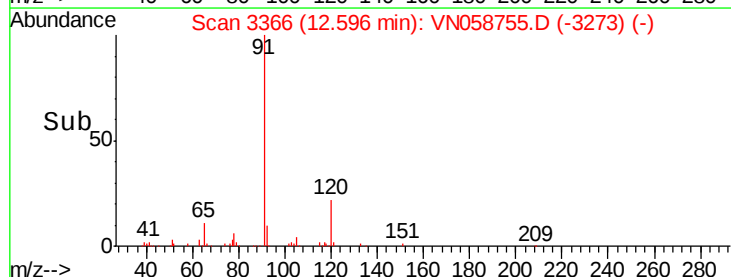
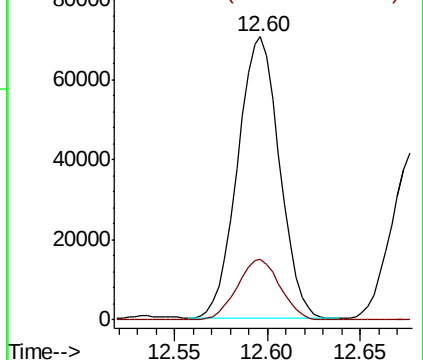
91 100

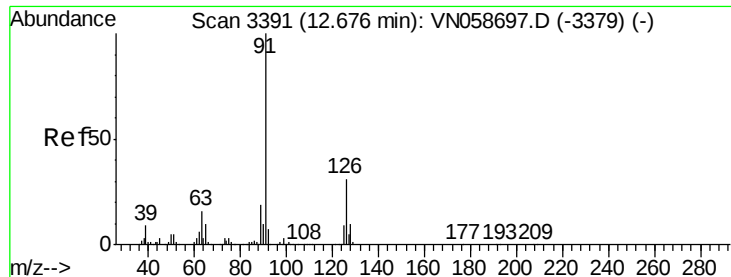
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.275 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

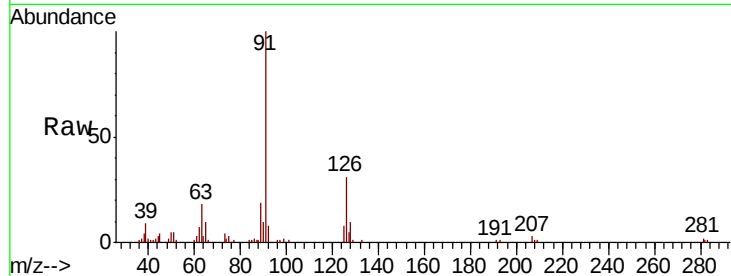
LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 68110

Ion Ratio Lower Upper

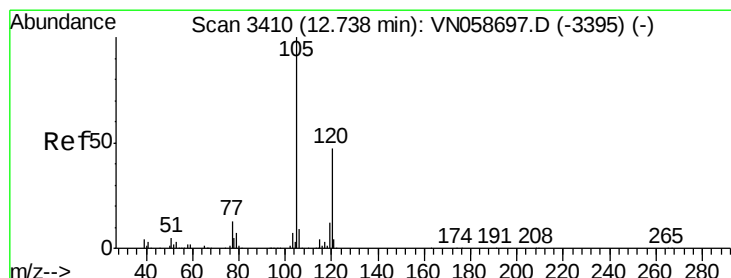
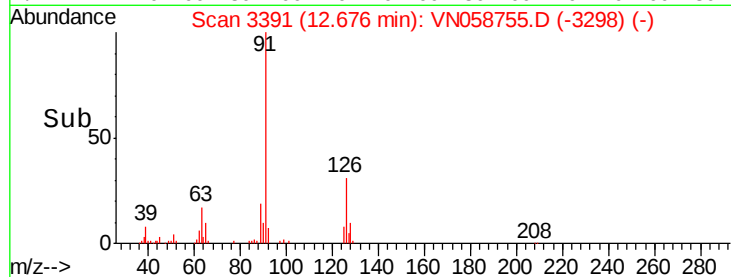
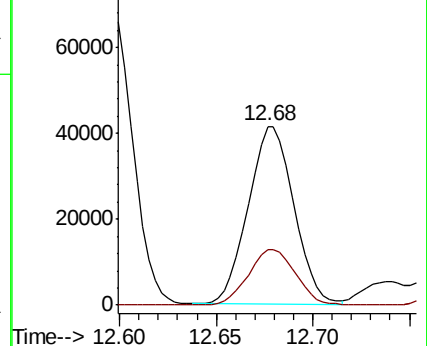
91 100

126 32.1 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.144 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058755.D

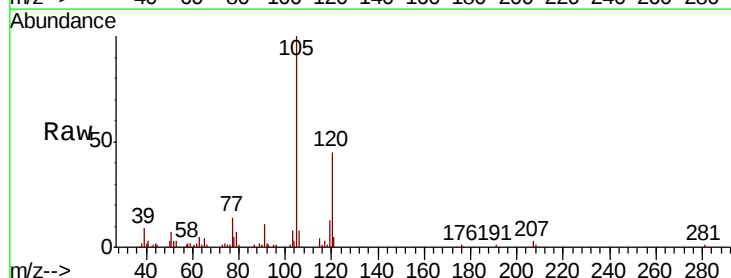
Acq: 14 Oct 2019 17:39

Tgt Ion: 105 Resp: 78405

Ion Ratio Lower Upper

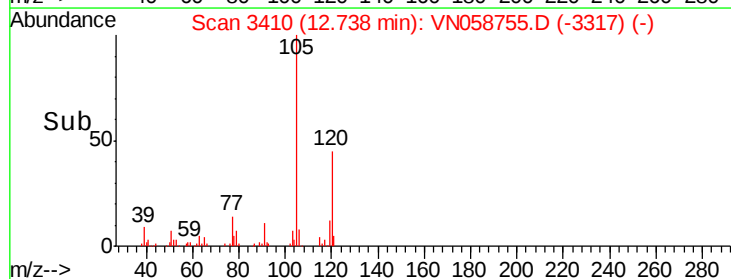
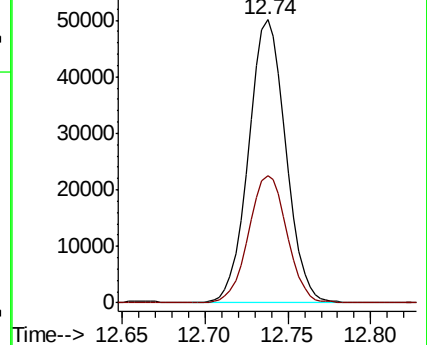
105 100

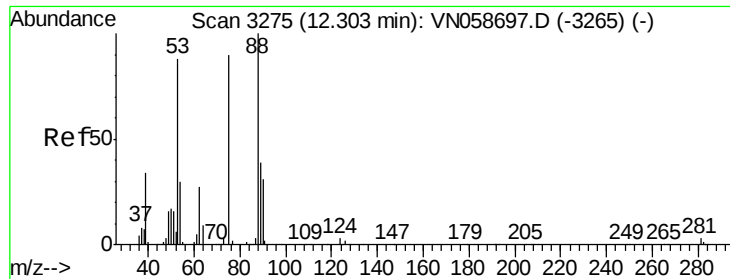
120 46.3 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.513 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

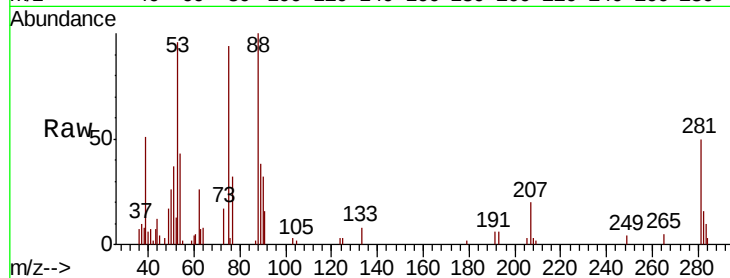
MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 75 Resp: 9110

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 53  | 112.4 | 78.4  | 117.6 |
| 89  | 46.3  | 34.9  | 52.3  |

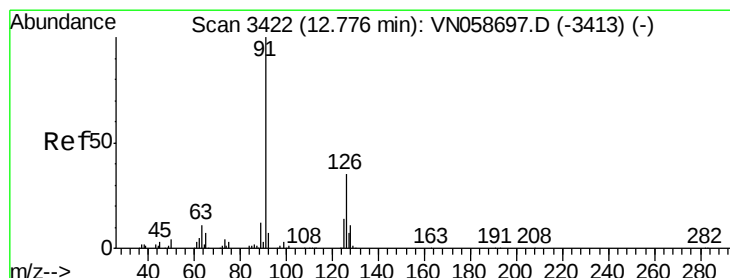
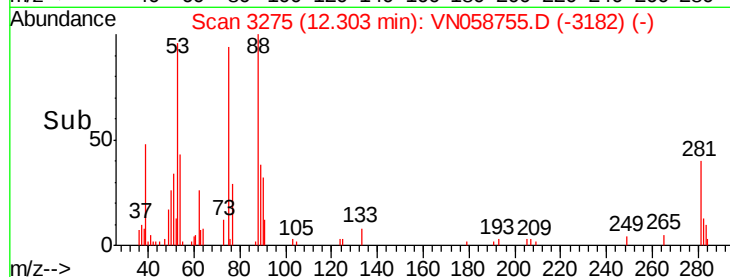
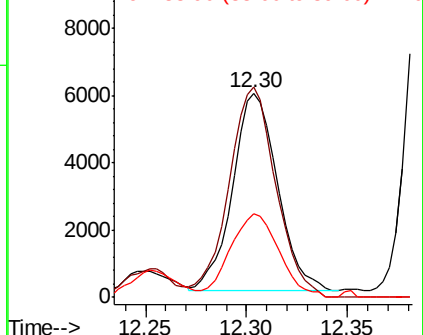


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.150 ug/l

RT: 12.78 min Scan# 3422

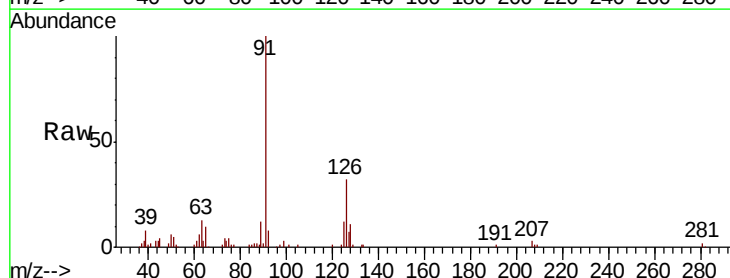
Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Tgt Ion: 91 Resp: 68230

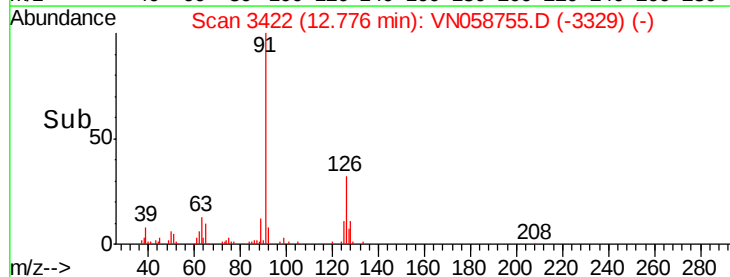
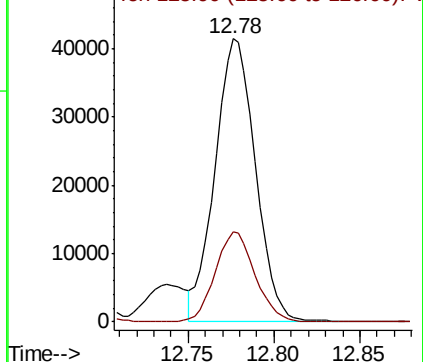
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 31.1  | 15.9  | 47.6  |



Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.038 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

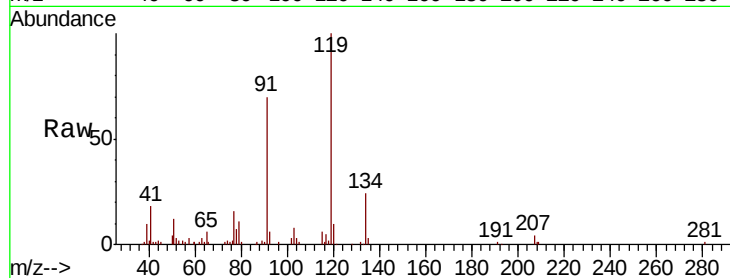
Tot Ion:119 Resp: 65783

Ion Ratio Lower Upper

119 100

91 69.9 33.8 101.3

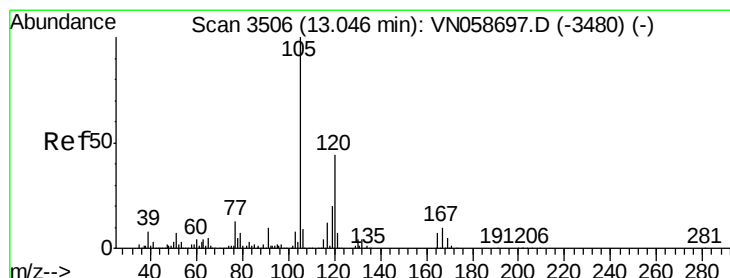
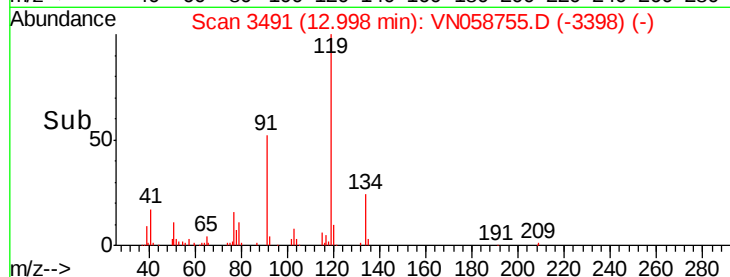
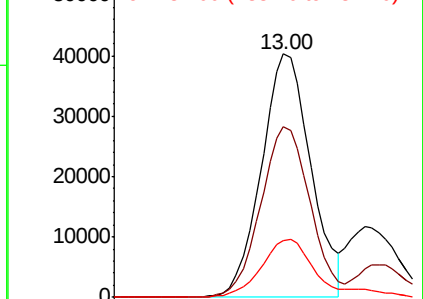
134 27.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.136 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058755.D

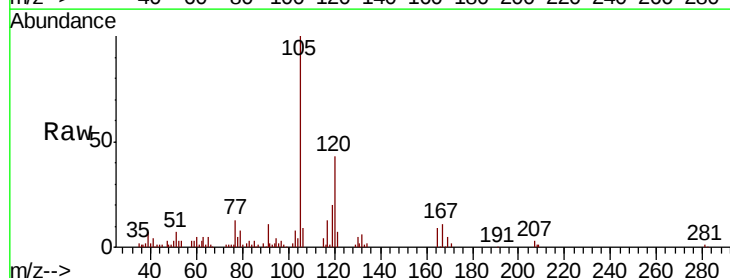
Acq: 14 Oct 2019 17:39

Tgt Ion:105 Resp: 77702

Ion Ratio Lower Upper

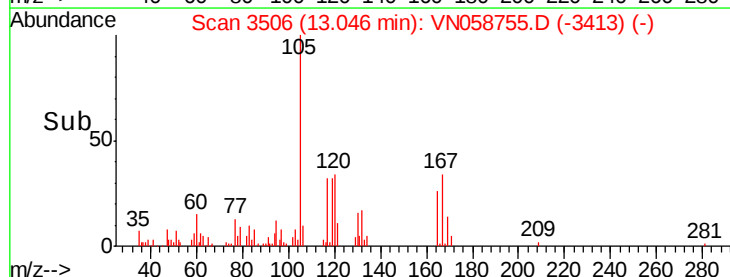
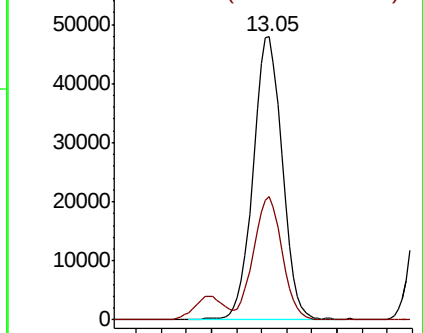
105 100

120 42.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.223 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

Instrument :

MSVOA\_N

ClientSampleId :

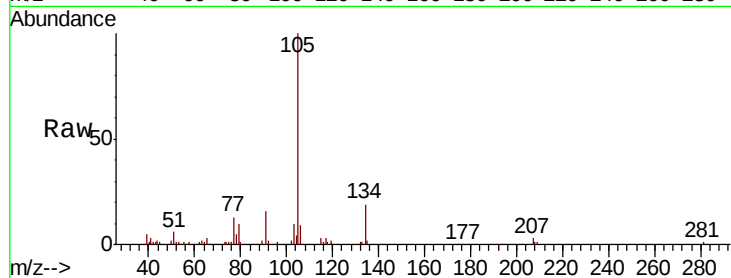
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 89853

Ion Ratio Lower Upper

105 100

134 18.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

60000

50000

40000

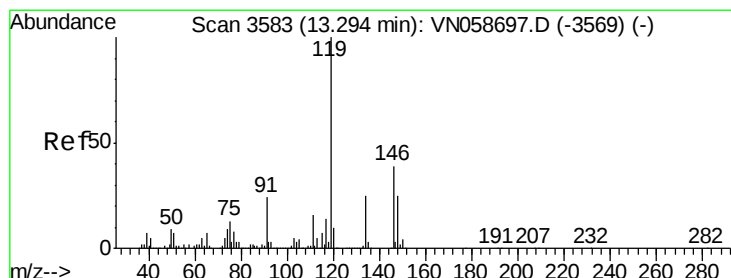
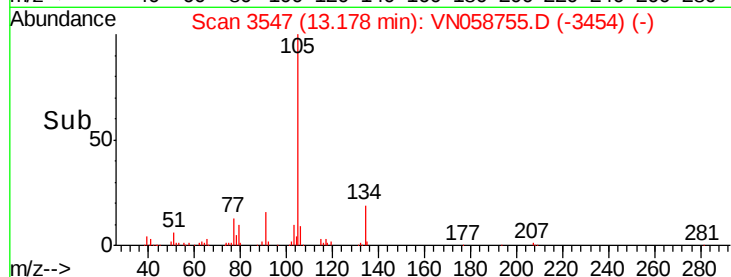
30000

20000

10000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 4.896 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058755.D

Acq: 14 Oct 2019 17:39

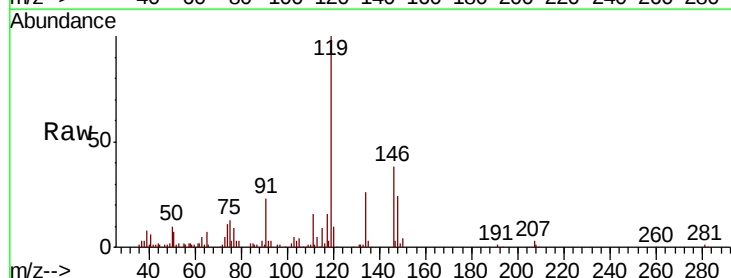
Tgt Ion:119 Resp: 76561

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 24.8 11.9 35.5



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): V

13.30

60000

50000

40000

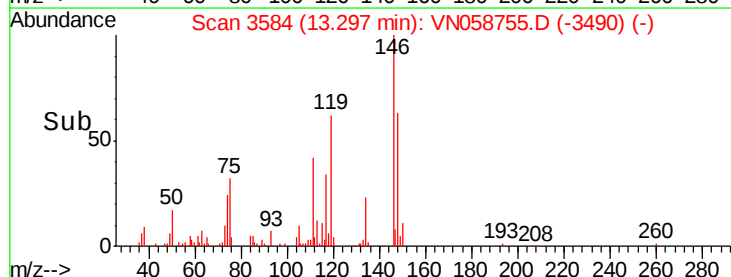
30000

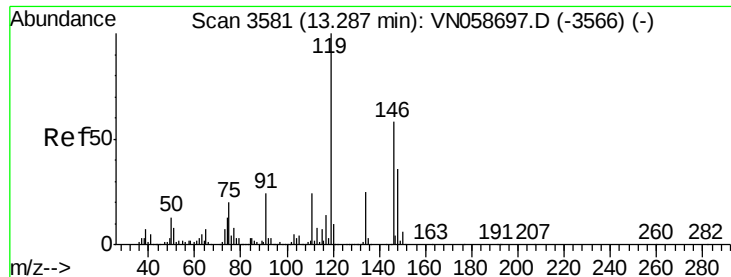
20000

10000

0

Time--> 13.25 13.30 13.35

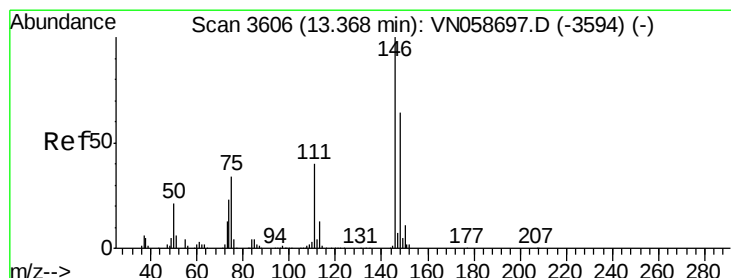
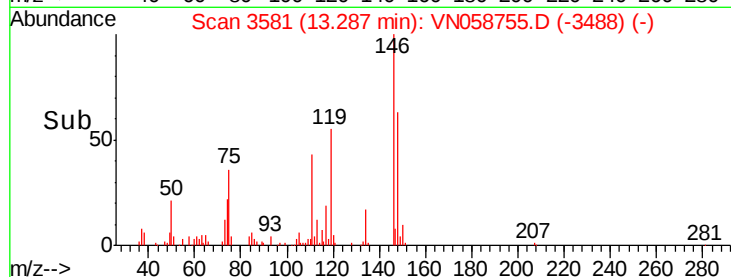
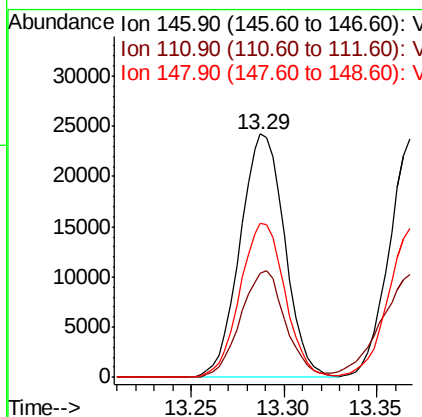
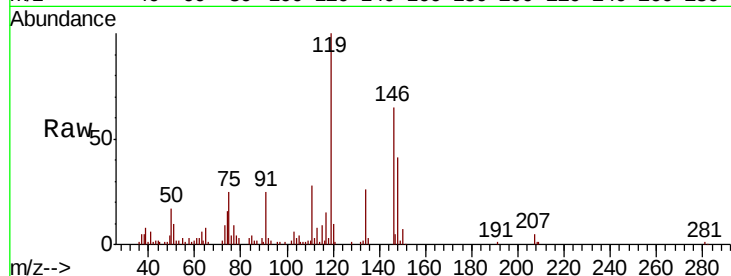




#87  
 1,3-Dichlorobenzene  
 Concen: 5.078 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

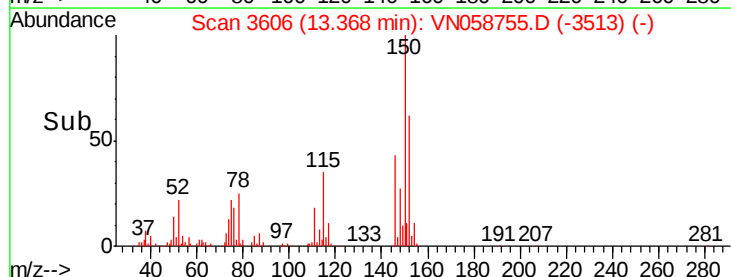
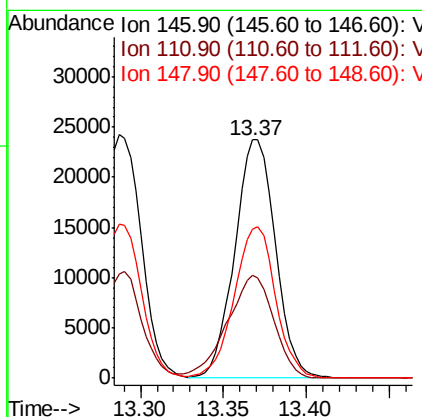
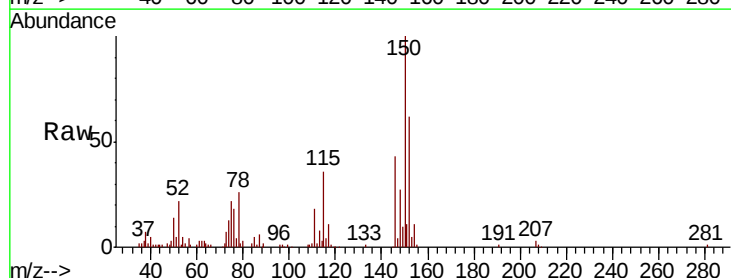
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

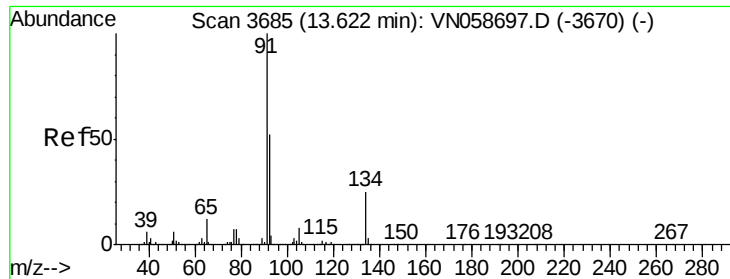
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.8  | 20.5  | 61.6  |
| 148     | 63.7  | 31.3  | 93.9  |



#88  
 1,4-Dichlorobenzene  
 Concen: 4.981 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 49.3  | 20.1  | 60.2  |
| 148     | 64.5  | 31.9  | 95.7  |

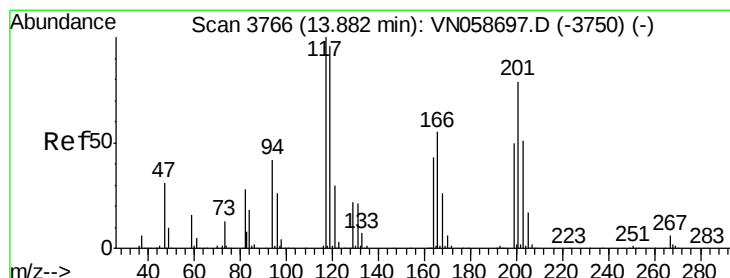
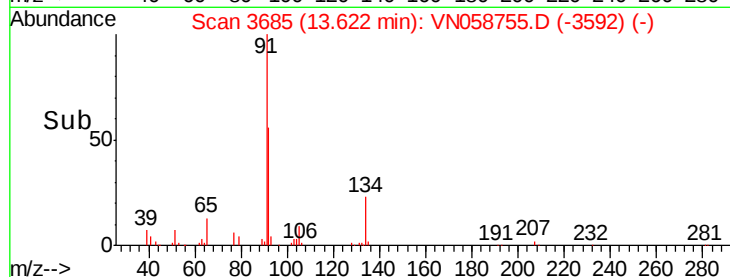
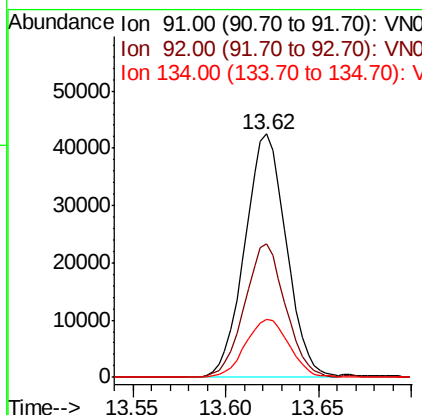
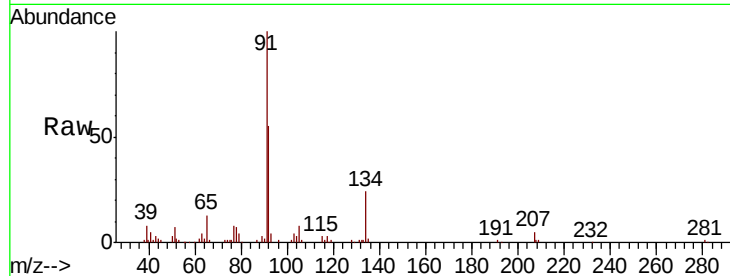




#89  
n-Butylbenzene  
Concen: 4.575 ug/l  
RT: 13.62 min Scan# 3685  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

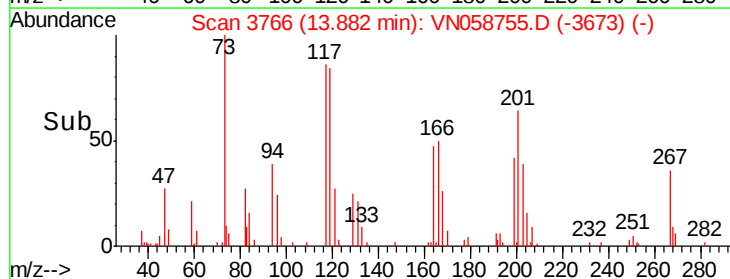
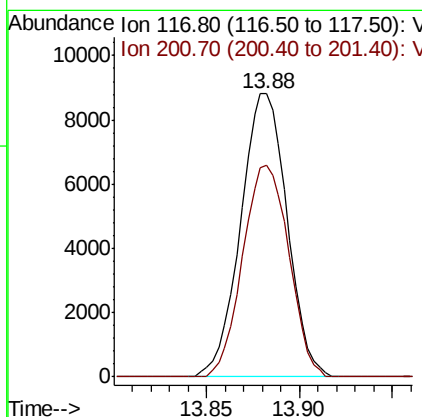
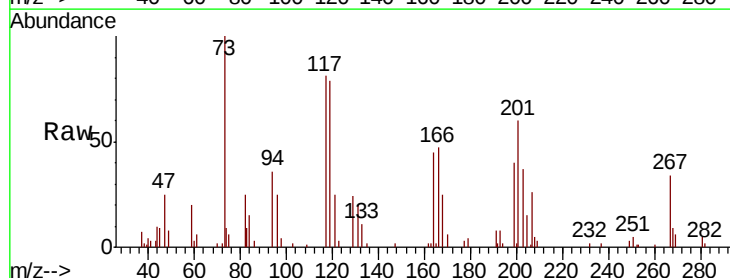
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

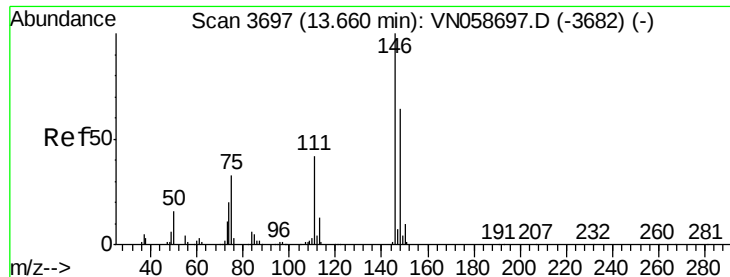
Tot Ion: 91 Resp: 66150  
Ion Ratio Lower Upper  
91 100  
92 53.8 26.0 78.0  
134 25.0 12.2 36.6



#90  
Hexachloroethane  
Concen: 5.504 ug/l  
RT: 13.88 min Scan# 3766  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion: 117 Resp: 15399  
Ion Ratio Lower Upper  
117 100  
201 74.3 39.6 118.7

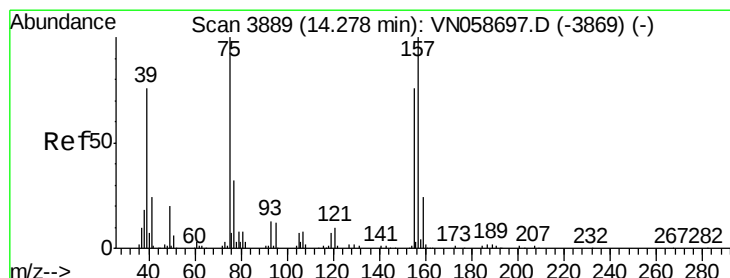
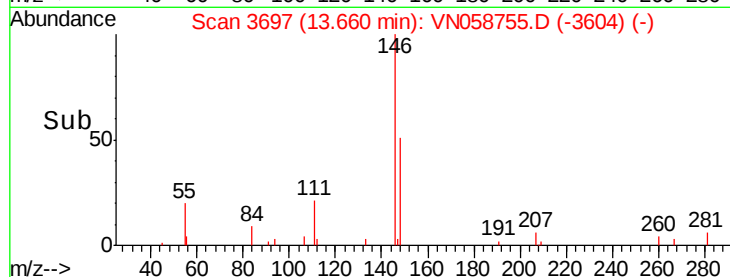
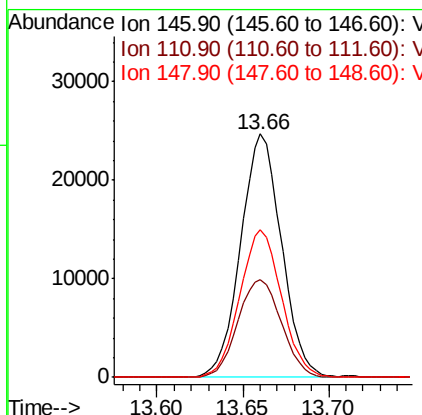
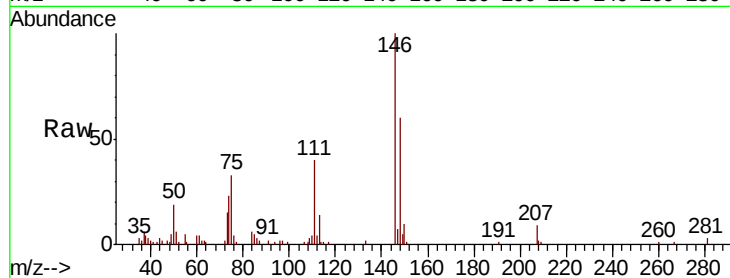




#91  
 1,2-Dichlorobenzene  
 Concen: 5.224 ug/l  
 RT: 13.66 min Scan# 3697  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

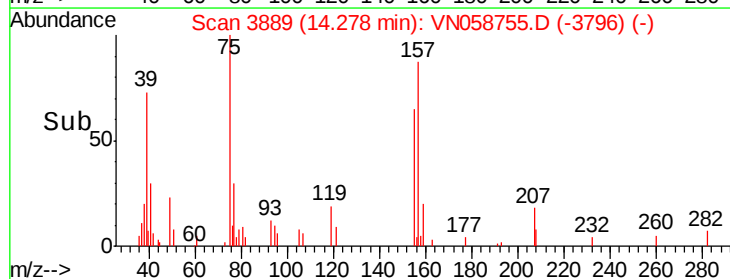
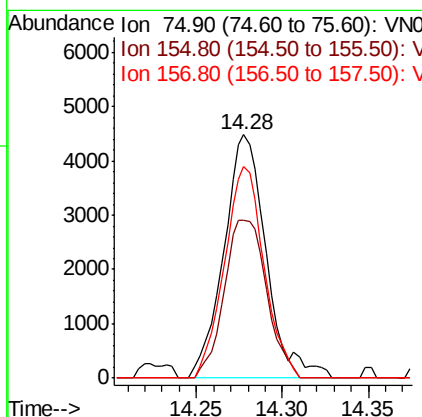
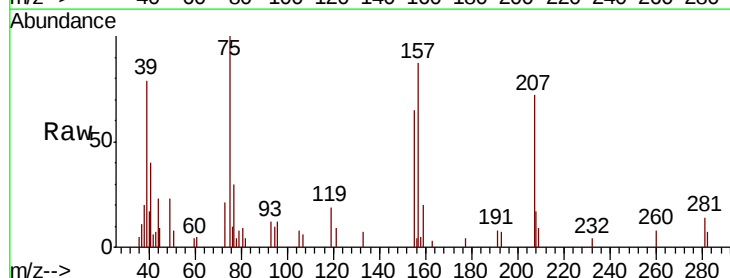
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

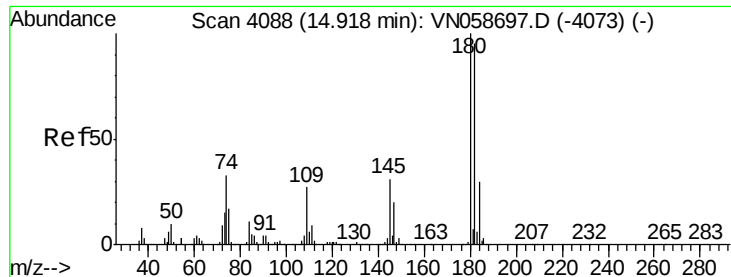
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 21.1  | 63.4  |
| 148     | 61.8  | 31.8  | 95.3  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.609 ug/l  
 RT: 14.28 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 65.1  | 37.9  | 113.6 |
| 157     | 81.1  | 49.4  | 148.2 |

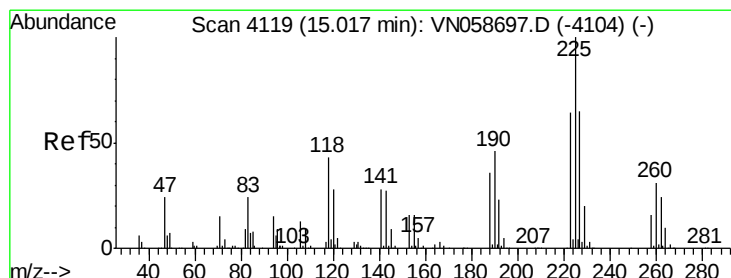
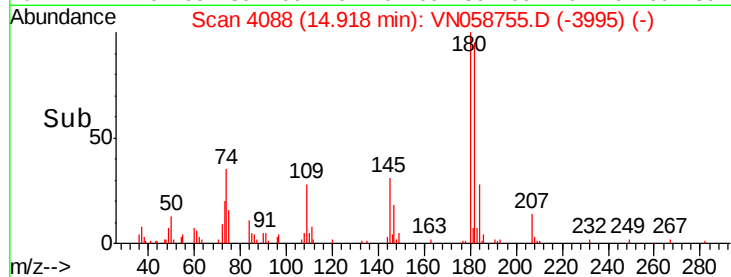
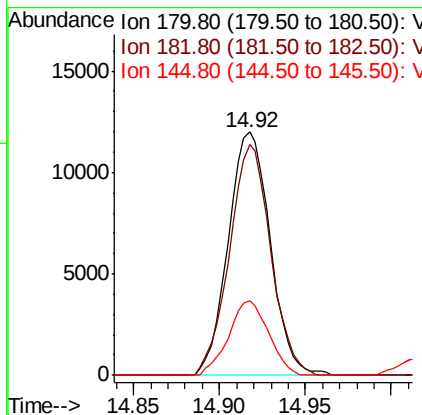
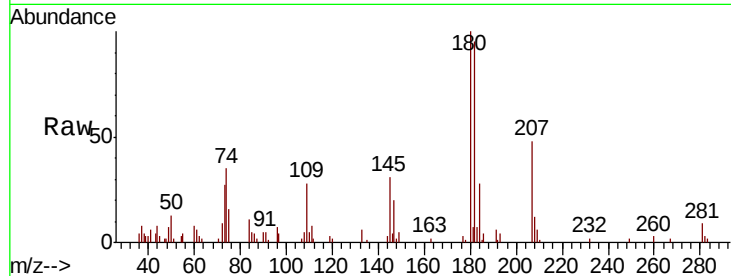




#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.295 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

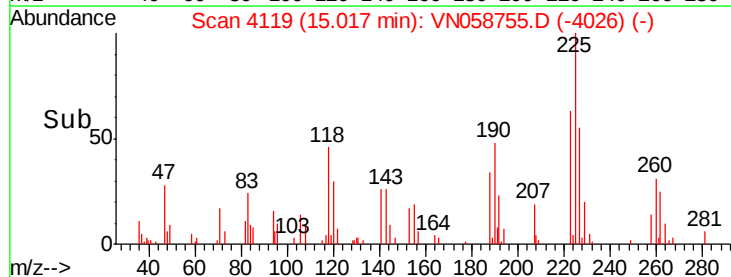
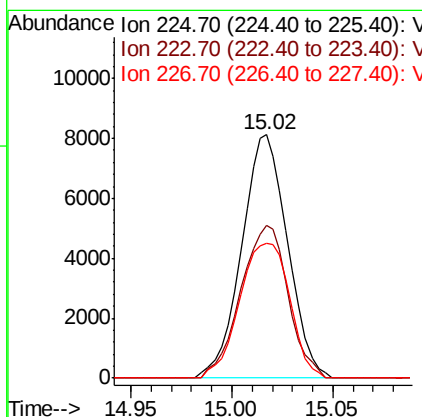
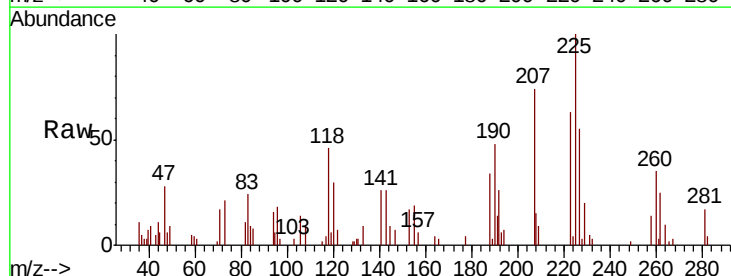
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

Tot Ion:180 Resp: 20446  
 Ion Ratio Lower Upper  
 180 100  
 182 92.9 47.4 142.2  
 145 29.1 15.4 46.2



#94  
 Hexachlorobutadiene  
 Concen: 5.161 ug/l  
 RT: 15.02 min Scan# 4119  
 Delta R.T. -0.00 min  
 Lab File: VN058755.D  
 Acq: 14 Oct 2019 17:39

Tgt Ion:225 Resp: 12939  
 Ion Ratio Lower Upper  
 225 100  
 223 64.5 32.3 96.8  
 227 60.6 32.4 97.0

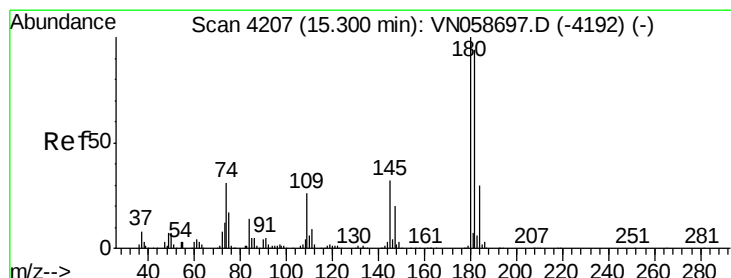
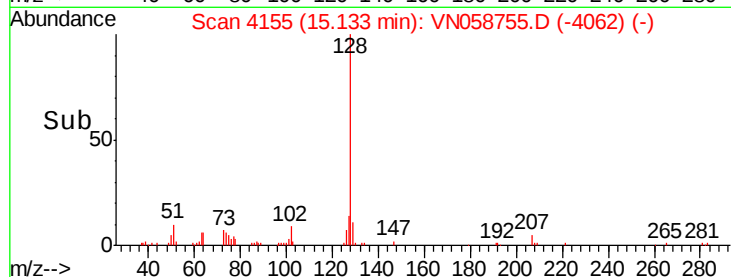
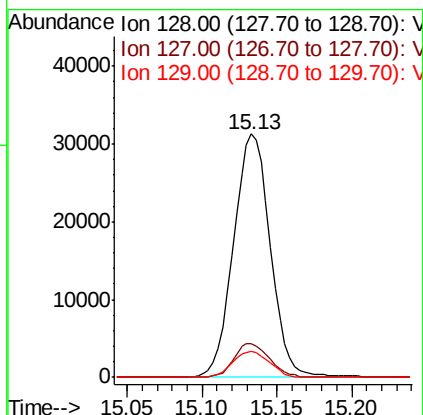
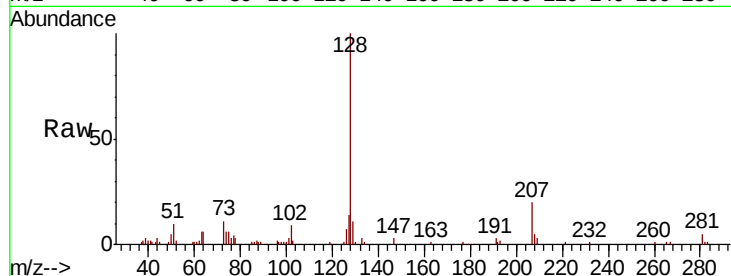




#95  
Naphthalene  
Concen: 3.905 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. -0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion:128 Resp: 53438  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.2 15.4  
129 10.7 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 4.328 ug/l  
RT: 15.30 min Scan# 4208  
Delta R.T. 0.00 min  
Lab File: VN058755.D  
Acq: 14 Oct 2019 17:39

Tgt Ion:180 Resp: 20119  
Ion Ratio Lower Upper  
180 100  
182 92.1 47.3 142.0  
145 32.3 16.2 48.6

