

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\  
 Data File : VN058705.D  
 Acq On : 11 Oct 2019 15:58  
 Operator : JC/SP  
 Sample : K5111-08 2.5PPB LOD  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 12 00:09:45 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  | 421115   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 694830   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 619168   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 273308   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 310877   | 52.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.46% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 217368   | 50.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.30% |      |
| 50) Toluene-d8            | 10.09  | 98  | 834503   | 48.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.24%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 294080   | 45.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.54%  |      |

## Target Compounds

|                               |      |     |        |        | Qvalue    |
|-------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 13325  | 2.541  | ug/l 97   |
| 3) Chloromethane              | 2.04 | 50  | 17037  | 2.732  | ug/l 99   |
| 4) Vinyl Chloride             | 2.17 | 62  | 15762  | 2.538  | ug/l 99   |
| 5) Bromomethane               | 2.55 | 94  | 11735  | 3.106  | ug/l 93   |
| 6) Chloroethane               | 2.68 | 64  | 10270  | 2.680  | ug/l 98   |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 20731  | 2.789  | ug/l 99   |
| 8) Diethyl Ether              | 3.39 | 74  | 7409   | 2.697  | ug/l 97   |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 10881  | 2.567  | ug/l # 86 |
| 10) Methyl Iodide             | 3.93 | 142 | 13505  | 2.335  | ug/l 97   |
| 11) Tert butyl alcohol        | 4.76 | 59  | 13270  | 13.898 | ug/l 100  |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 11878  | 2.937  | ug/l # 72 |
| 13) Acrolein                  | 3.58 | 56  | 9583   | 12.480 | ug/l 98   |
| 14) Allyl chloride            | 4.29 | 41  | 21319  | 2.612  | ug/l 98   |
| 15) Acrylonitrile             | 4.96 | 53  | 30559  | 12.691 | ug/l 97   |
| 16) Acetone                   | 3.80 | 43  | 29748  | 12.188 | ug/l 97   |
| 17) Carbon Disulfide          | 4.03 | 76  | 34737  | 2.687  | ug/l 100  |
| 18) Methyl Acetate            | 4.30 | 43  | 17164  | 2.772  | ug/l # 82 |
| 19) Methyl tert-butyl Ether   | 5.03 | 73  | 37920  | 2.626  | ug/l 95   |
| 20) Methylene Chloride        | 4.52 | 84  | 14106  | 2.765  | ug/l 89   |
| 21) trans-1,2-Dichloroethene  | 5.02 | 96  | 12448  | 2.752  | ug/l 90   |
| 22) Diisopropyl ether         | 5.93 | 45  | 39714  | 2.503  | ug/l # 84 |
| 23) Vinyl Acetate             | 5.87 | 43  | 163723 | 12.786 | ug/l 100  |
| 24) 1,1-Dichloroethane        | 5.83 | 63  | 23431  | 2.593  | ug/l 98   |
| 25) 2-Butanone                | 6.82 | 43  | 43040  | 12.200 | ug/l 98   |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 21978  | 2.664  | ug/l 98   |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96  | 14012  | 2.656  | ug/l 97   |
| 28) Bromochloromethane        | 7.17 | 49  | 4064   | 1.293  | ug/l # 17 |
| 29) Tetrahydrofuran           | 7.19 | 42  | 28070  | 12.313 | ug/l 97   |
| 30) Chloroform                | 7.35 | 83  | 24092  | 2.653  | ug/l 94   |
| 31) Cyclohexane               | 7.64 | 56  | 30774  | 3.559  | ug/l # 67 |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 20361  | 2.629  | ug/l 99   |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 18112  | 2.578  | ug/l 99   |
| 37) Ethyl Acetate             | 6.91 | 43  | 14291  | 2.011  | ug/l # 90 |
| 38) Carbon Tetrachloride      | 7.76 | 117 | 18195  | 2.657  | ug/l 95   |

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 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   | 20033    | 2.457  | ug/l   | 95       |
| 40) Benzene                    | 8.03  | 78   | 51739    | 2.564  | ug/l   | 96       |
| 41) Methacrylonitrile          | 7.15  | 41   | 5370     | 1.615  | ug/l # | 23       |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 21017    | 2.711  | ug/l   | 90       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 28658    | 2.368  | ug/l   | 95       |
| 44) Trichloroethene            | 8.82  | 130  | 12893    | 2.573  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 14955    | 2.769  | ug/l   | 100      |
| 46) Dibromomethane             | 9.20  | 93   | 8799     | 2.569  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 16912    | 2.425  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.19  | 41   | 13692    | 2.496  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 4196     | 49.436 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 84647    | 12.453 | ug/l   | 97       |
| 52) Toluene                    | 10.15 | 92   | 30600    | 2.480  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 18978    | 2.373  | ug/l # | 71       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 20676    | 2.435  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 13585    | 2.690  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 17292    | 2.343  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 21784    | 2.531  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 37680    | 10.596 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 60916    | 11.596 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 12346    | 2.370  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 11989    | 2.369  | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.63 | 164  | 11004    | 2.540  | ug/l   | 93       |
| 65) Chlorobenzene              | 11.43 | 112  | 33035    | 2.627  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 11390    | 2.450  | ug/l   | 91       |
| 67) Ethyl Benzene              | 11.51 | 91   | 56554    | 2.523  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 41420    | 4.924  | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 20372    | 2.503  | ug/l   | 96       |
| 70) Styrene                    | 11.97 | 104  | 30133    | 2.259  | ug/l   | 96       |
| 71) Bromoform                  | 12.13 | 173  | 8038     | 2.359  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 52070    | 2.631  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 21284    | 2.394  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 18260    | 2.800  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 25587    | 4.268  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 12975    | 2.695  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.59 | 91   | 61194    | 2.653  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 38988    | 2.723  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 44534    | 2.635  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 5181     | 2.315  | ug/l # | 82       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 37533    | 2.555  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 37026    | 2.558  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 13.05 | 105  | 44006    | 2.623  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 50642    | 2.655  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.30 | 119  | 43198    | 2.492  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 22271    | 2.508  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 22825    | 2.528  | ug/l   | 82       |
| 89) n-Butylbenzene             | 13.62 | 91   | 38507    | 2.402  | ug/l   | 96       |
| 90) Hexachloroethane           | 13.88 | 117  | 7630     | 2.460  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 22779    | 2.632  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 4238     | 2.782  | ug/l   | 86       |

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Sample : K5111-08 2.5PPB LOD  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 13 Sample Multiplier: 1

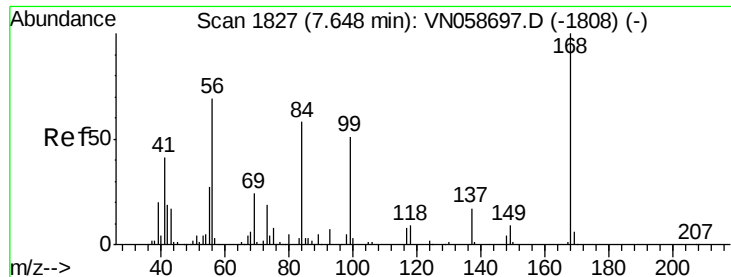
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Quant Time: Oct 12 00:09:45 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  | 12535    | 2.375 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.02 | 225  | 7516     | 2.704 | ug/l  | 97       |
| 95) Naphthalene            | 15.13 | 128  | 32632    | 2.151 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 11824    | 2.294 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

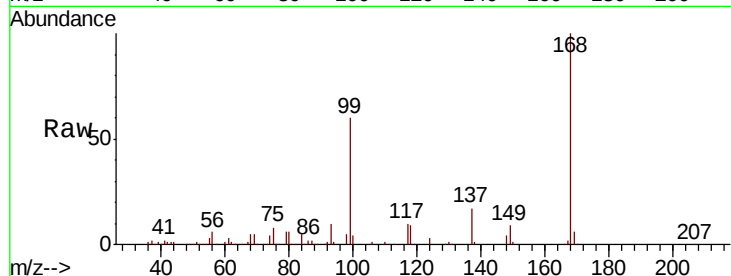
LOQ-WATER-02-QT4-2019

Tot Ion:168 Resp: 421115

Ion Ratio Lower Upper

168 100

99 60.3 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

200000

150000

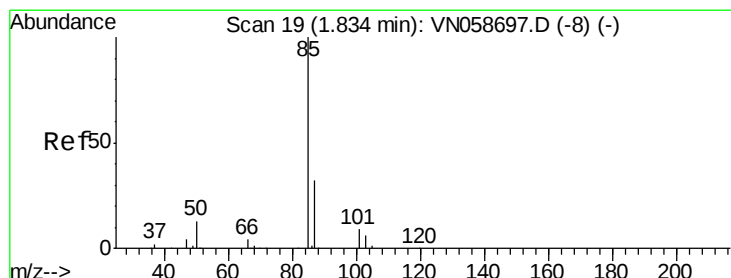
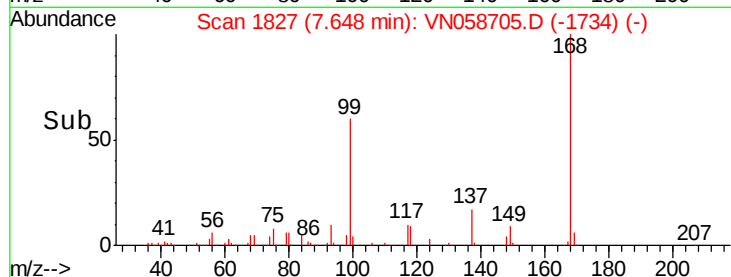
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 2.541 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058705.D

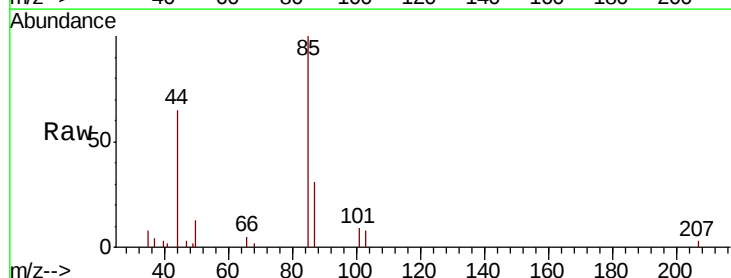
Acq: 11 Oct 2019 15:58

Tgt Ion: 85 Resp: 13325

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

10000

8000

6000

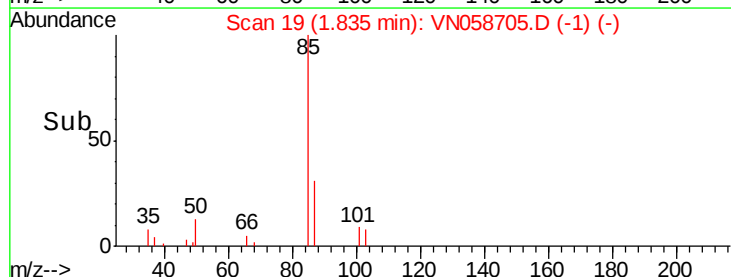
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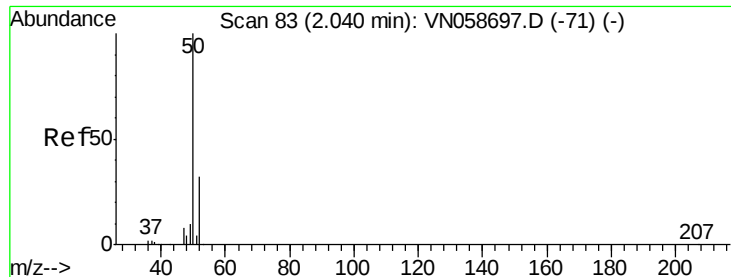
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 2.732 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

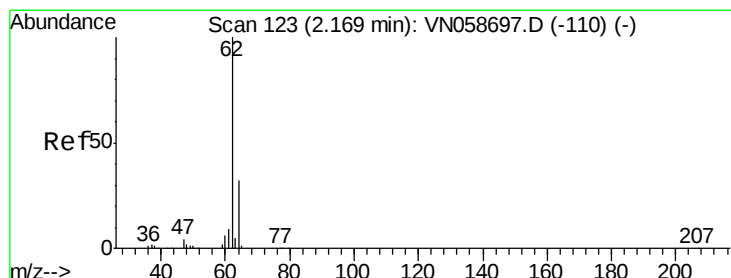
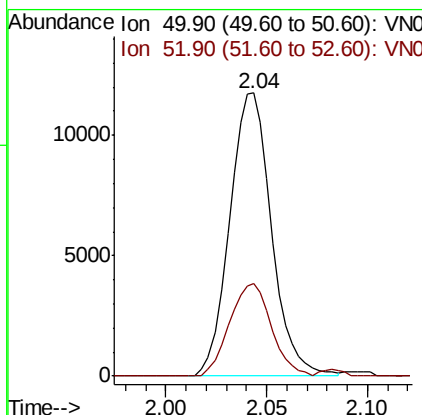
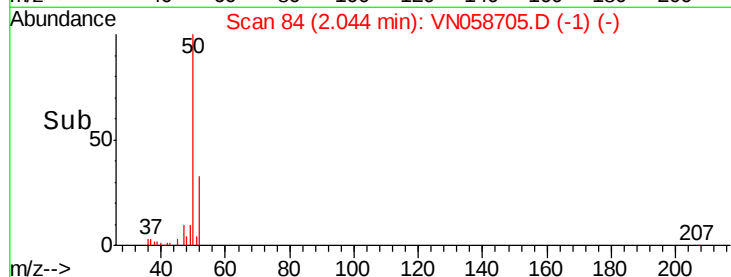
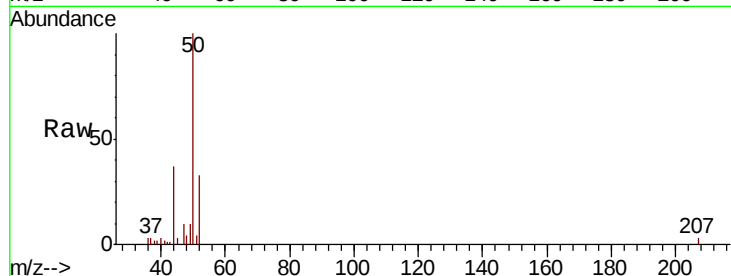
LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 17037

Ion Ratio Lower Upper

50 100

52 33.0 25.8 38.6



#4

Vinyl Chloride

Concen: 2.538 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058705.D

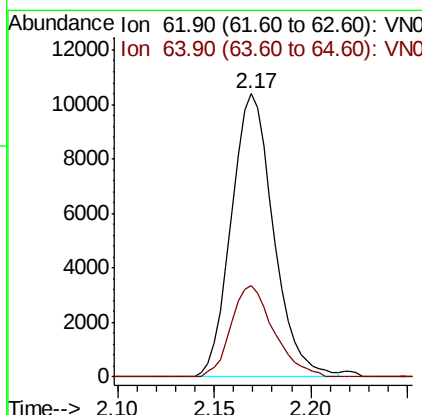
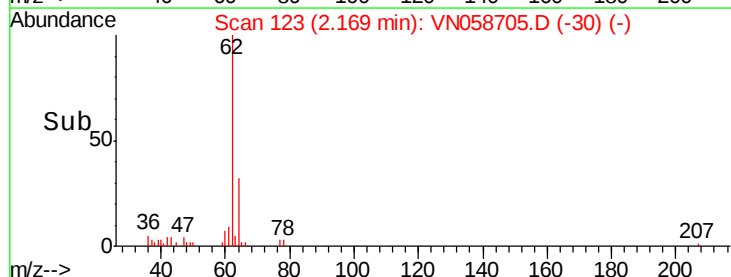
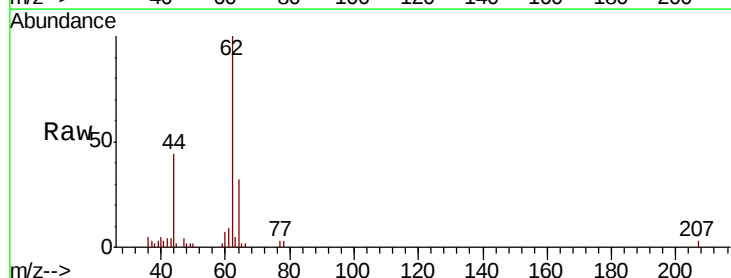
Acq: 11 Oct 2019 15:58

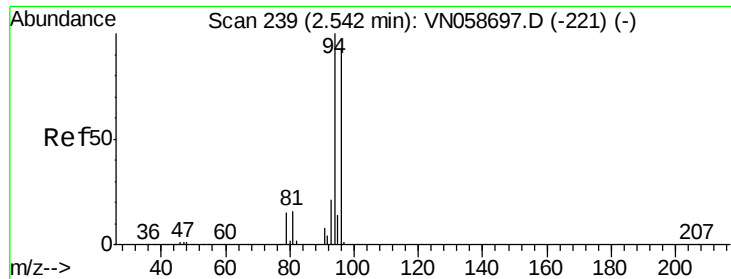
Tgt Ion: 62 Resp: 15762

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 3.106 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

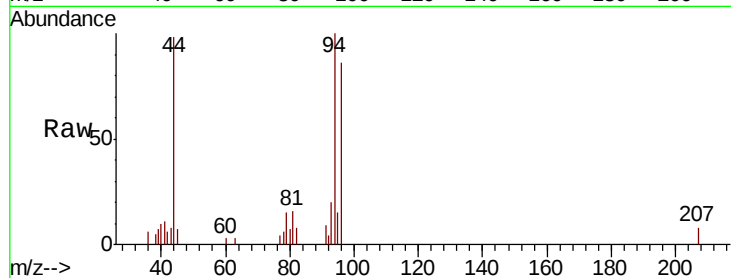
LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 11735

Ion Ratio Lower Upper

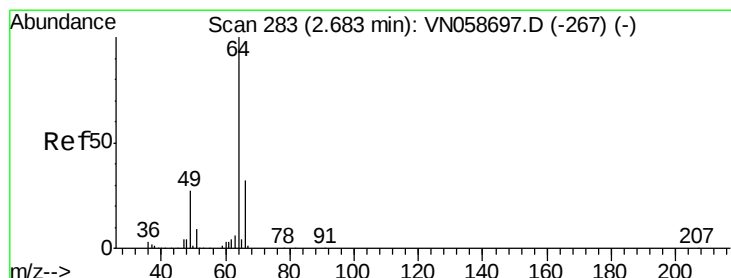
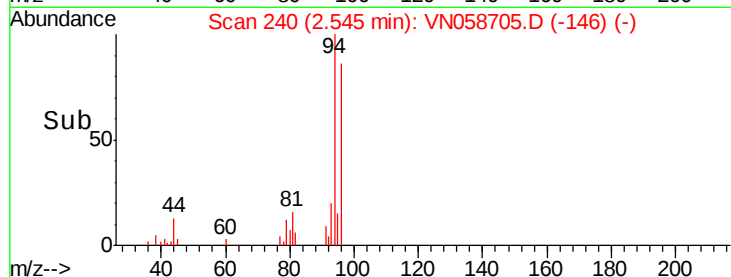
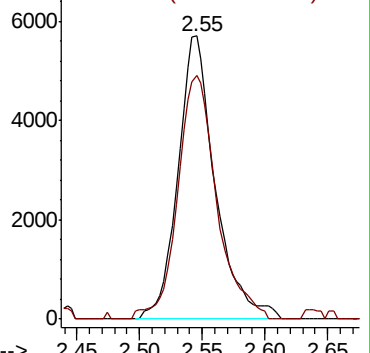
94 100

96 86.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 2.680 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058705.D

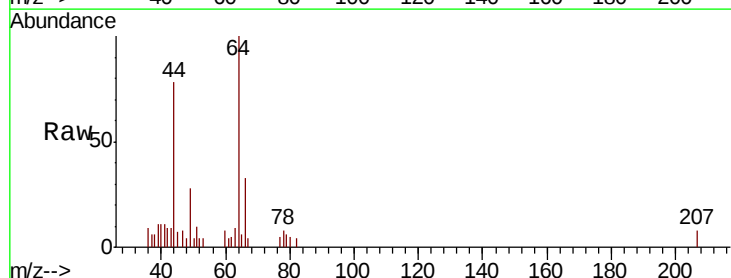
Acq: 11 Oct 2019 15:58

Tgt Ion: 64 Resp: 10270

Ion Ratio Lower Upper

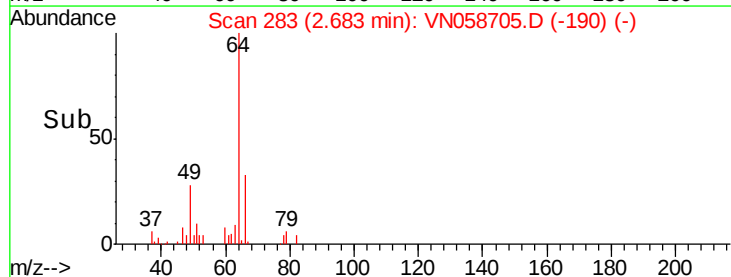
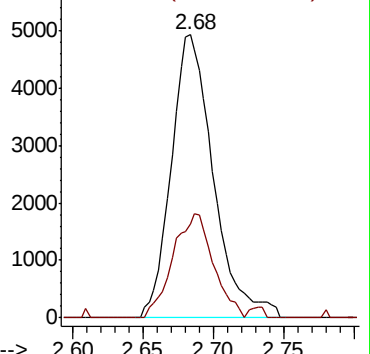
64 100

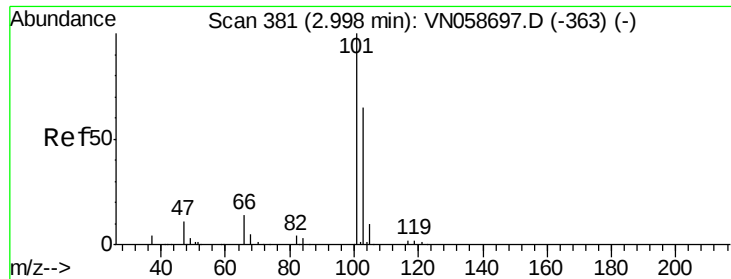
66 33.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



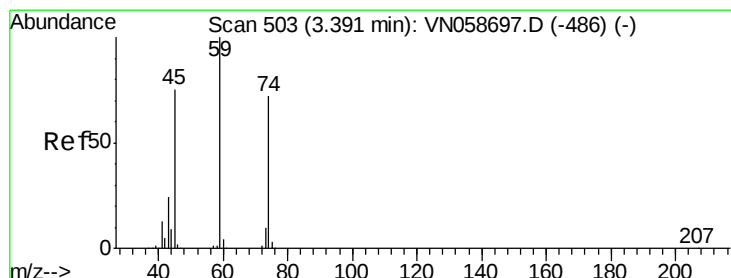
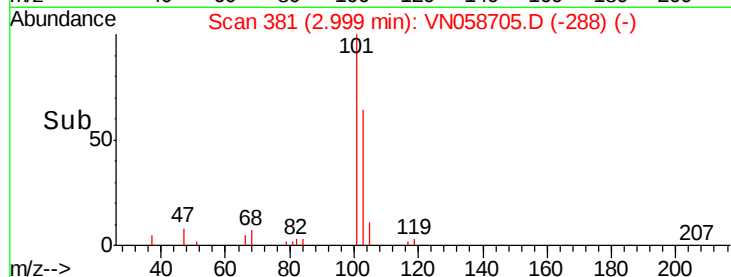
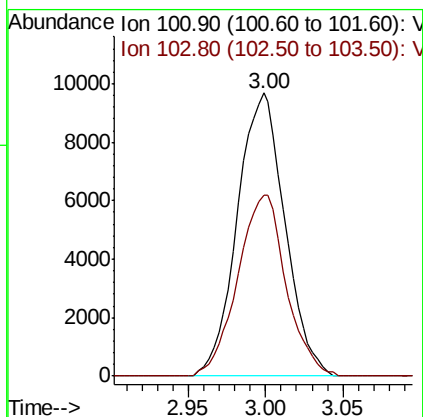
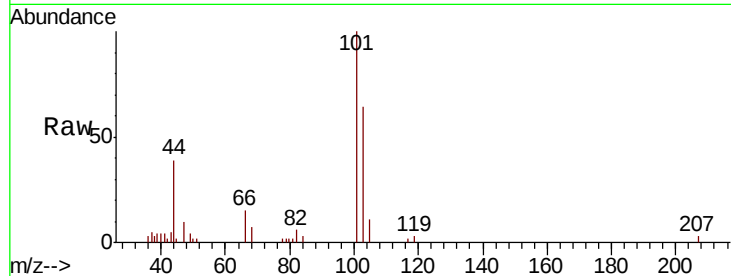


#7

Trichlorofluoromethane  
Concen: 2.789 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Instrument :  
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ClientSampleId :  
LOQ-WATER-02-QT4-2019

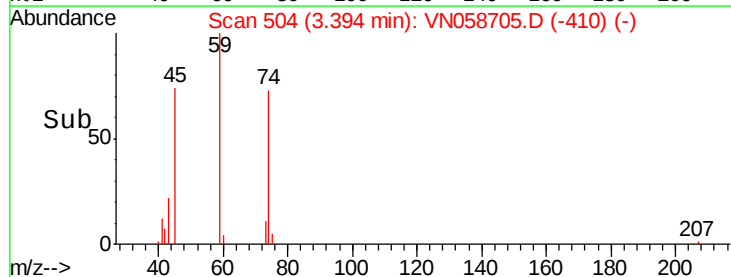
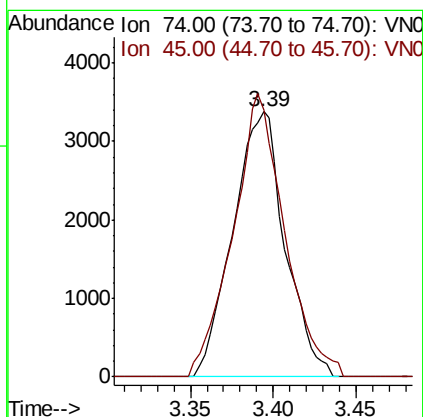
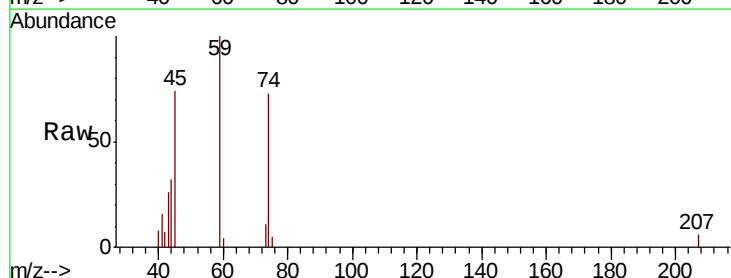
Tot Ion:101 Resp: 20731  
Ion Ratio Lower Upper  
101 100  
103 63.9 51.8 77.6

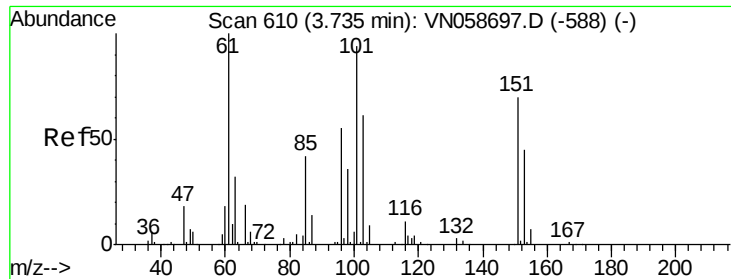


#8

Diethyl Ether  
Concen: 2.697 ug/l  
RT: 3.39 min Scan# 504  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 74 Resp: 7409  
Ion Ratio Lower Upper  
74 100  
45 105.4 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.567 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

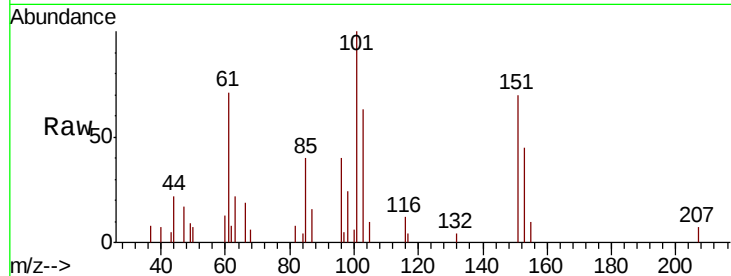
Tot Ion:101 Resp: 10881

Ion Ratio Lower Upper

101 100

85 23.6 37.0 55.6#

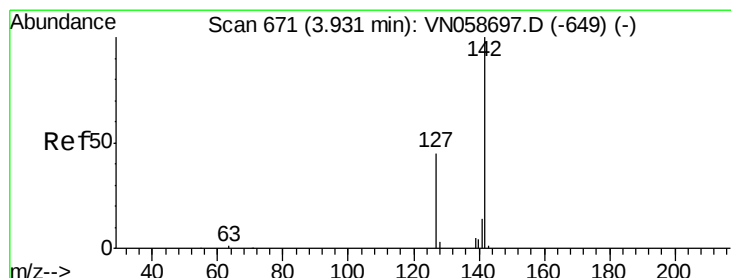
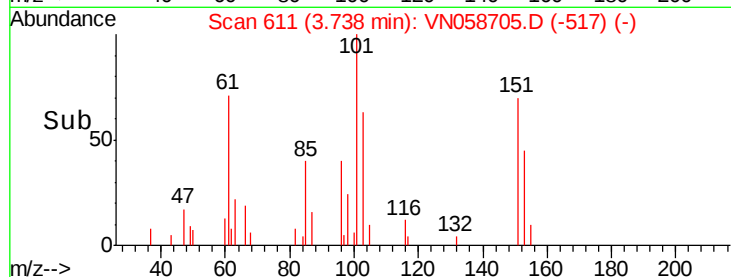
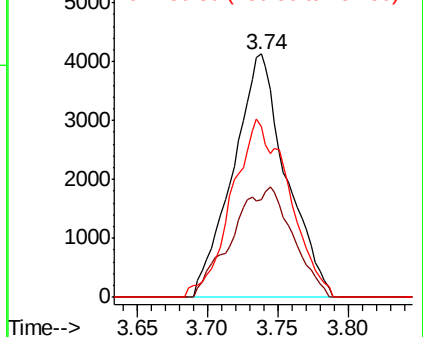
151 78.9 61.8 92.6



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: 2.335 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

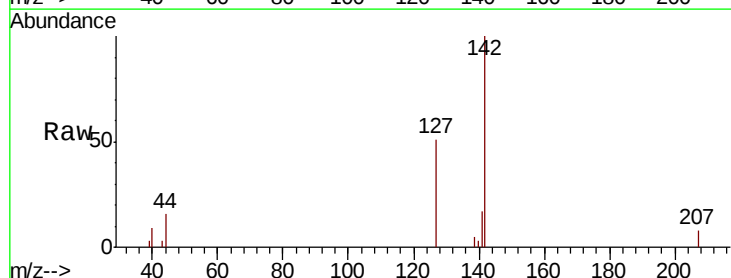
Tgt Ion:142 Resp: 13505

Ion Ratio Lower Upper

142 100

127 47.5 36.4 54.6

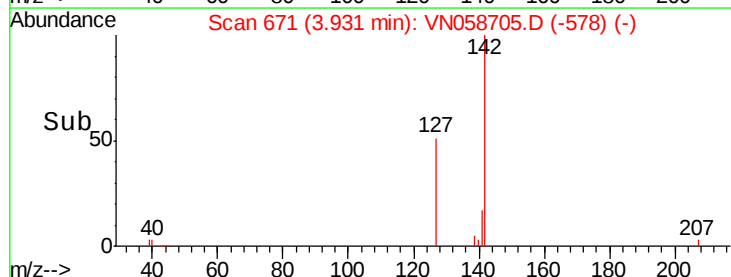
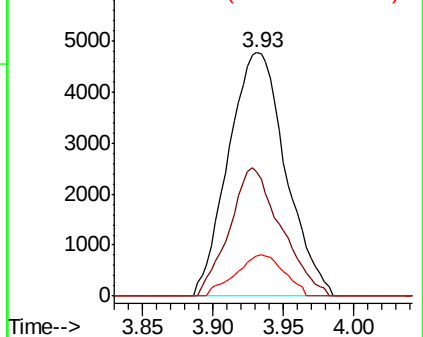
141 14.4 11.1 16.7

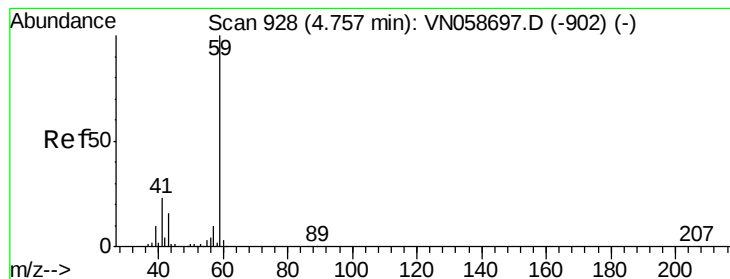


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



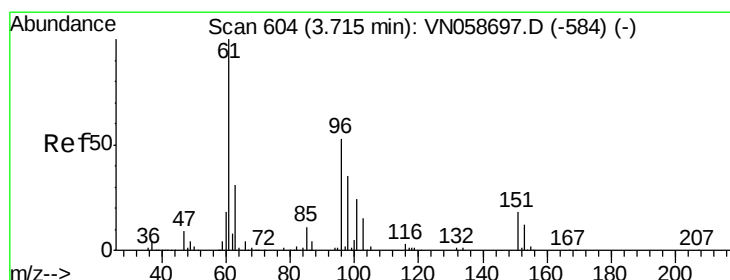
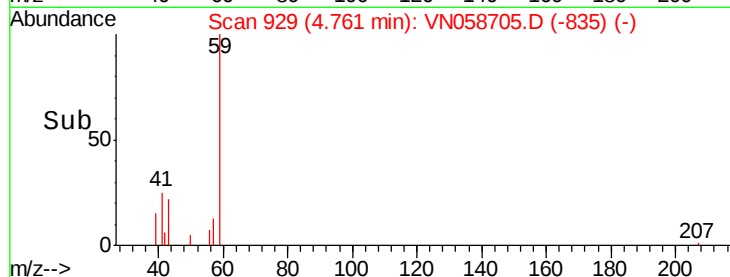
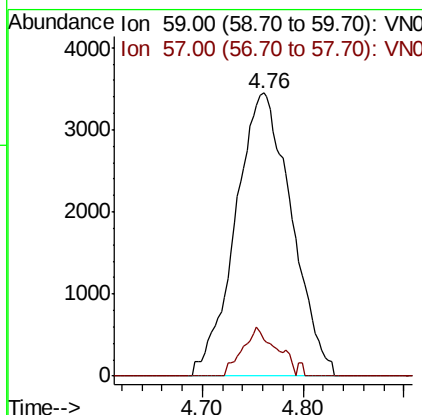
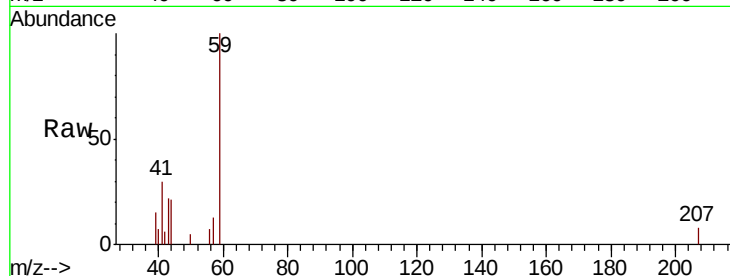


#11

Tert butyl alcohol  
 Concen: 13.898 ug/l  
 RT: 4.76 min Scan# 929  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

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

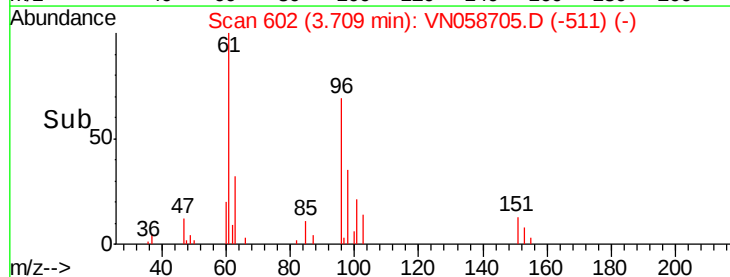
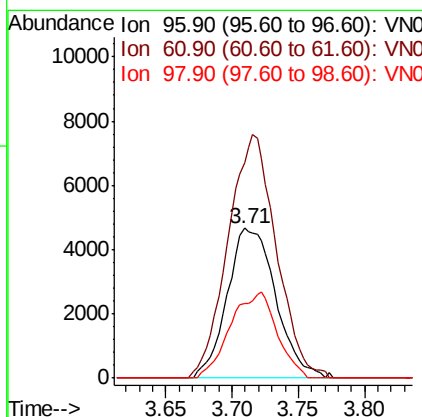
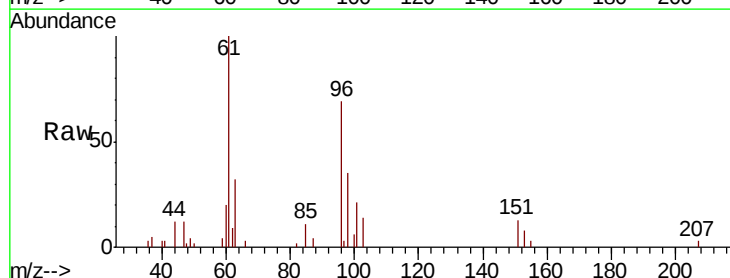
Tot Ion: 59 Resp: 13270  
 Ion Ratio Lower Upper  
 59 100  
 57 10.5 8.4 12.6

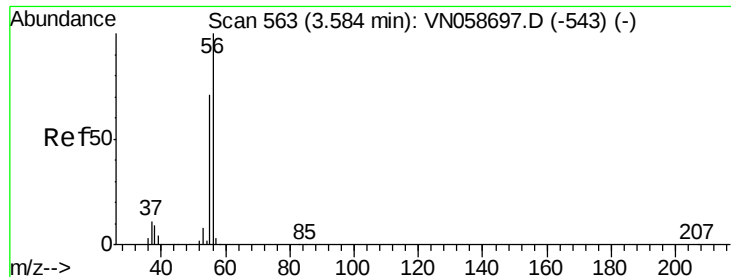


#12

1,1-Dichloroethene  
 Concen: 2.937 ug/l  
 RT: 3.71 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

Tgt Ion: 96 Resp: 11878  
 Ion Ratio Lower Upper  
 96 100  
 61 144.3 151.3 226.9#  
 98 50.0 52.6 78.8#





#13

Acrolein

Concen: 12.480 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

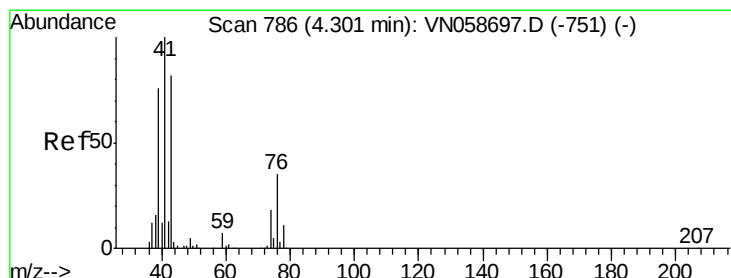
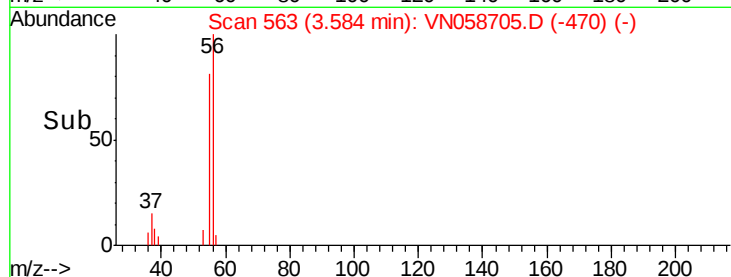
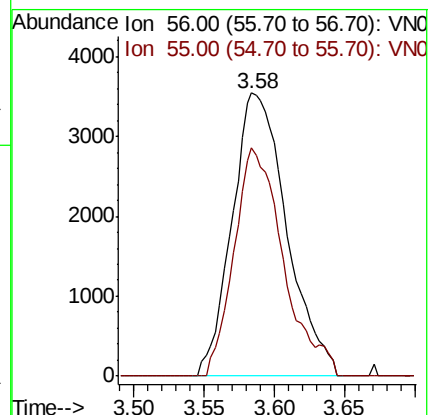
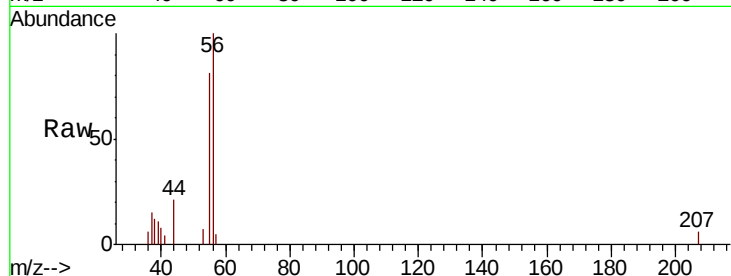
LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 9583

Ion Ratio Lower Upper

56 100

55 72.8 56.7 85.1



#14

Allyl chloride

Concen: 2.612 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

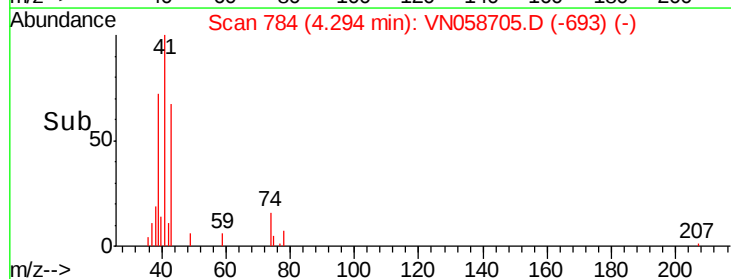
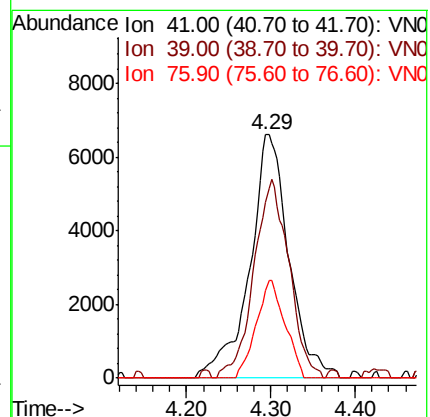
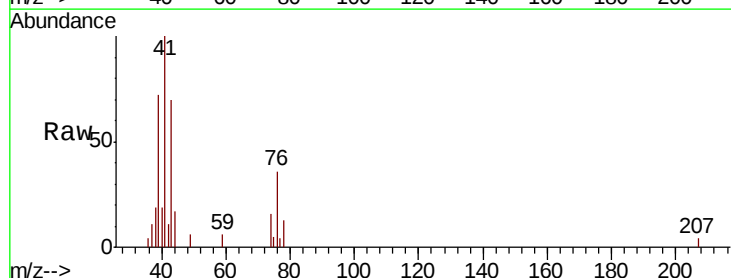
Tgt Ion: 41 Resp: 21319

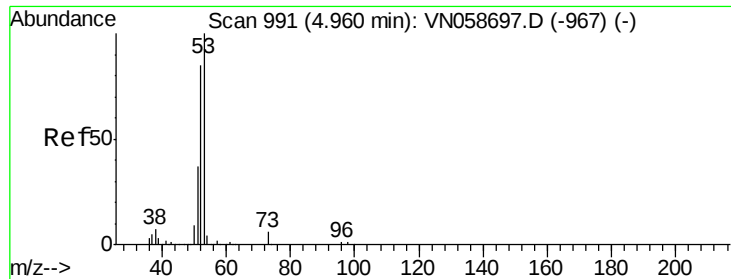
Ion Ratio Lower Upper

41 100

39 72.9 57.2 85.8

76 29.3 25.0 37.6





#15

Acrylonitrile

Concen: 12.691 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

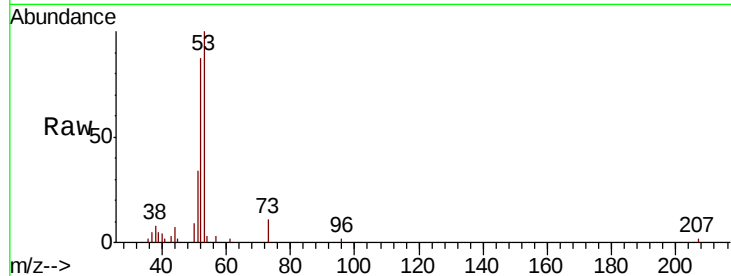
Tot Ion: 53 Resp: 30559

Ion Ratio Lower Upper

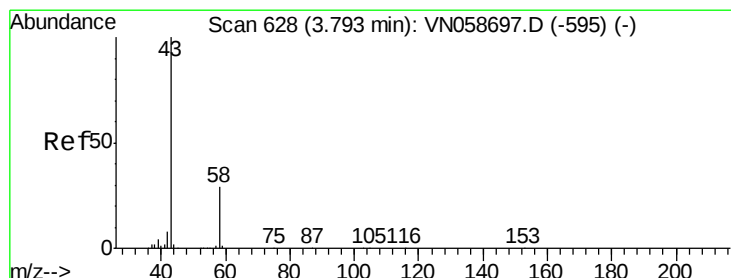
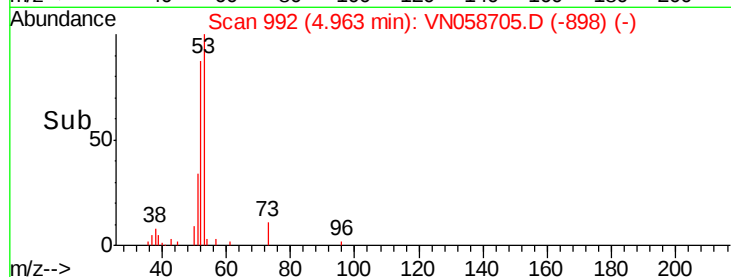
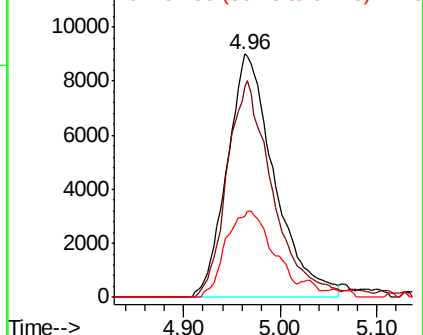
53 100

52 85.6 66.2 99.2

51 35.2 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO  
Ion 51.00 (50.70 to 51.70): VNO



#16

Acetone

Concen: 12.188 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058705.D

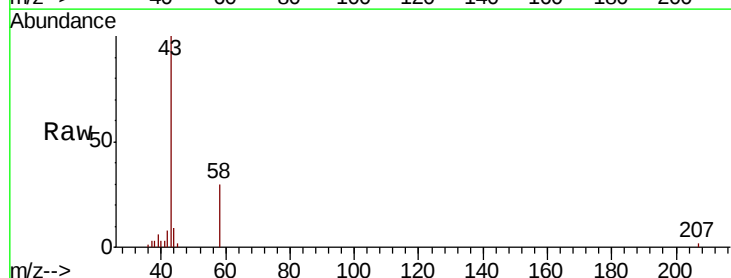
Acq: 11 Oct 2019 15:58

Tgt Ion: 43 Resp: 29748

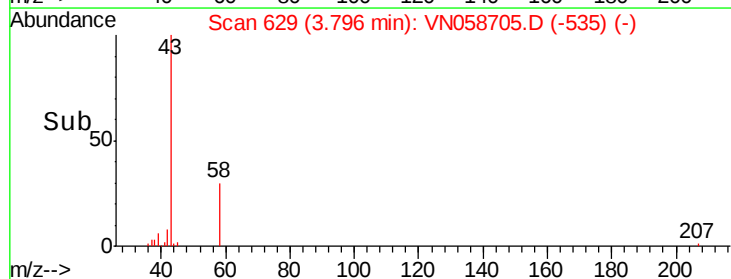
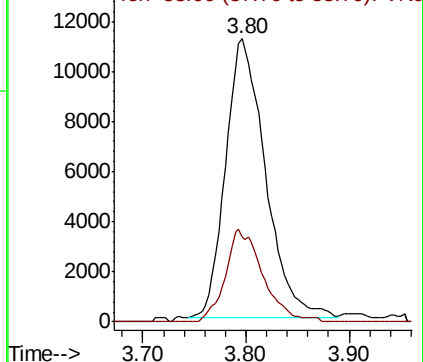
Ion Ratio Lower Upper

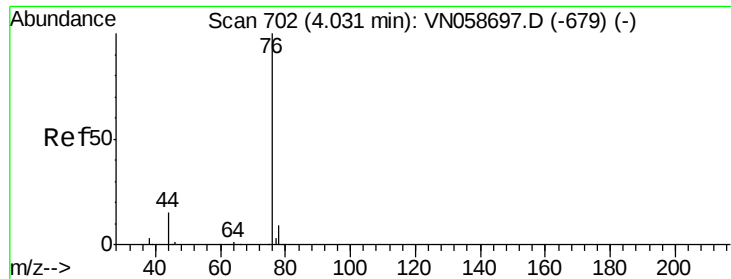
43 100

58 30.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 58.00 (57.70 to 58.70): VNO

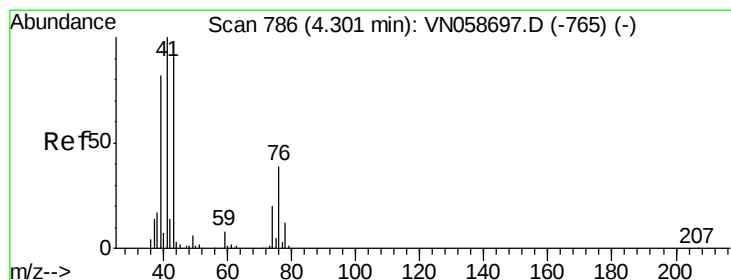
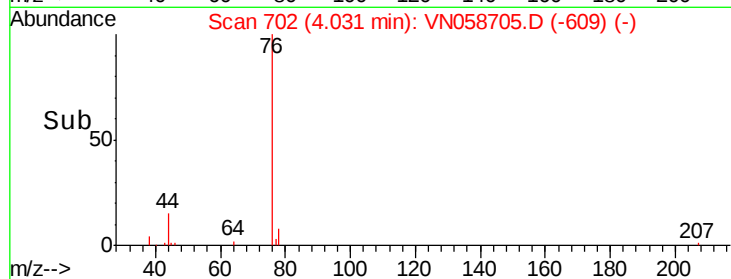
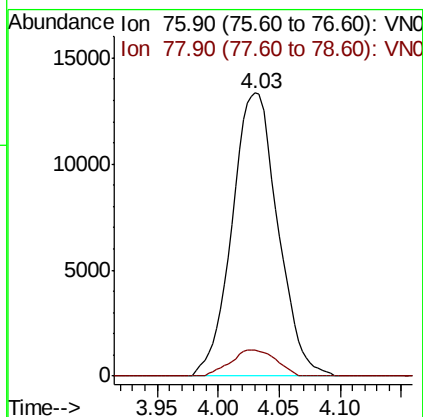
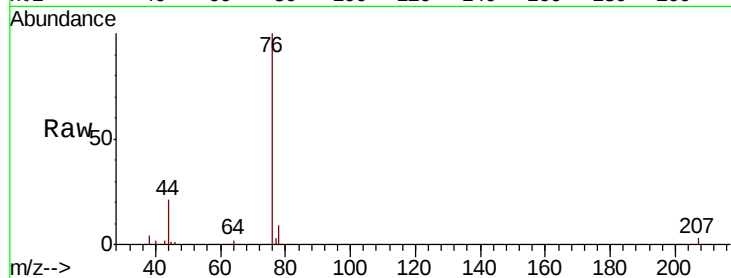




#17  
Carbon Disulfide  
Concen: 2.687 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

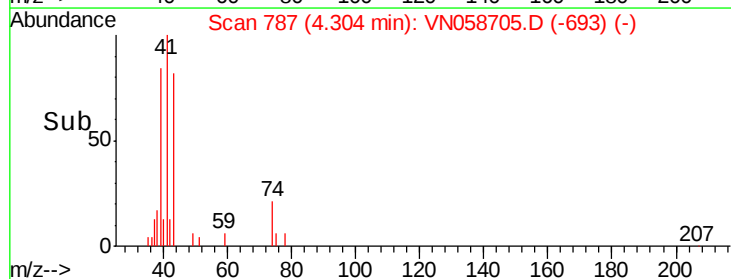
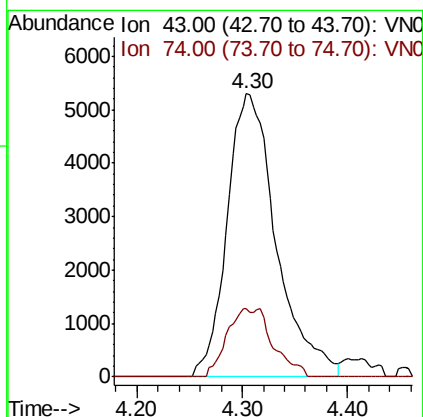
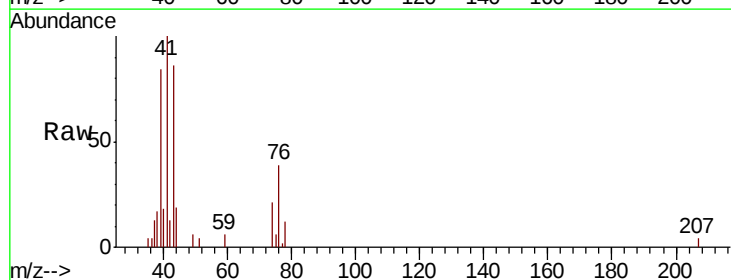
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

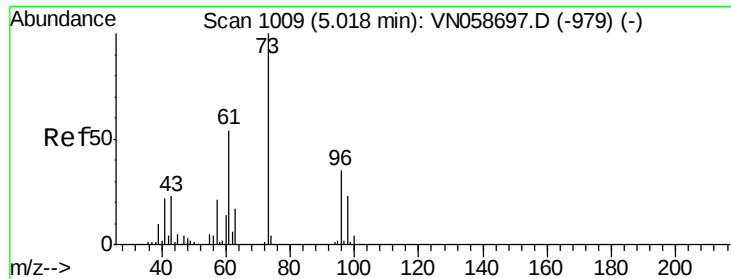
Tot Ion: 76 Resp: 34737  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.1 10.7



#18  
Methyl Acetate  
Concen: 2.772 ug/l  
RT: 4.30 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 43 Resp: 17164  
Ion Ratio Lower Upper  
43 100  
74 12.9 17.2 25.8#

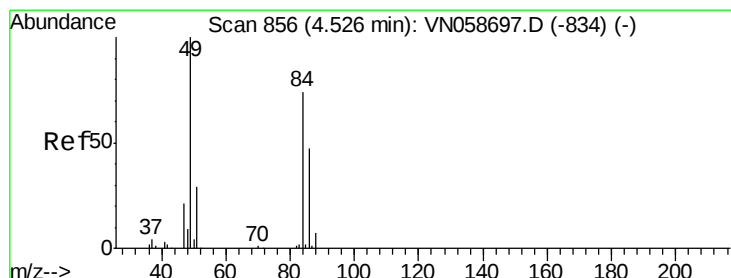
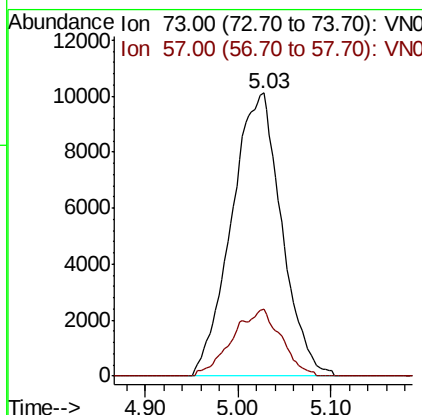
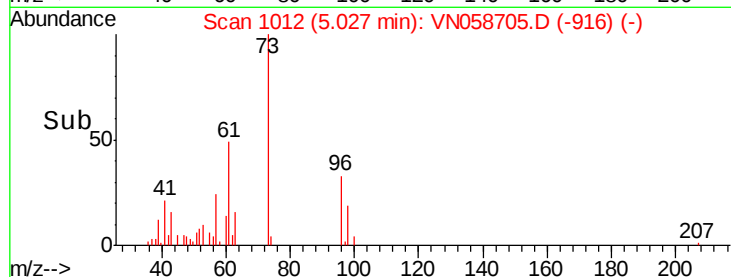
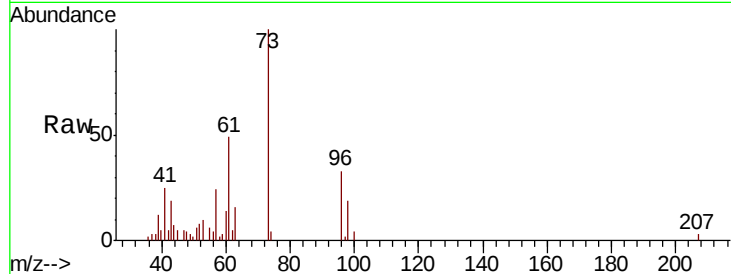




#19  
Methyl tert-butyl Ether  
Concen: 2.626 ug/l  
RT: 5.03 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

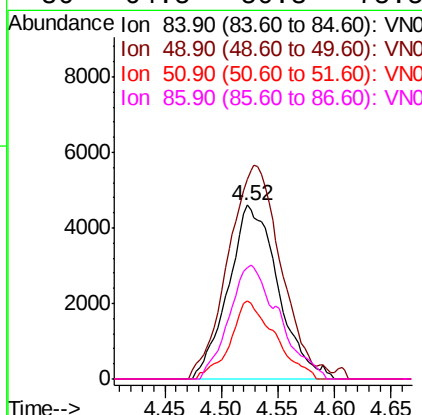
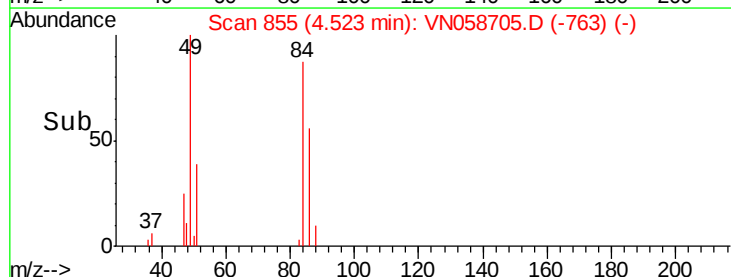
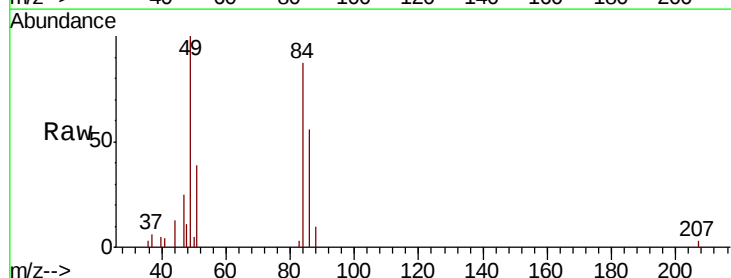
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

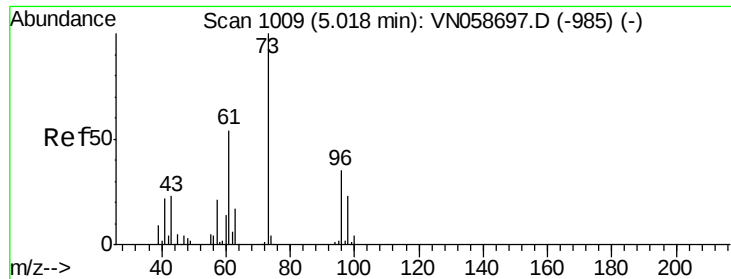
Tot Ion: 73 Resp: 37920  
Ion Ratio Lower Upper  
73 100  
57 23.6 17.0 25.6



#20  
Methylene Chloride  
Concen: 2.765 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 84 Resp: 14106  
Ion Ratio Lower Upper  
84 100  
49 115.5 107.6 161.4  
51 45.2 31.4 47.0  
86 64.5 50.3 75.5

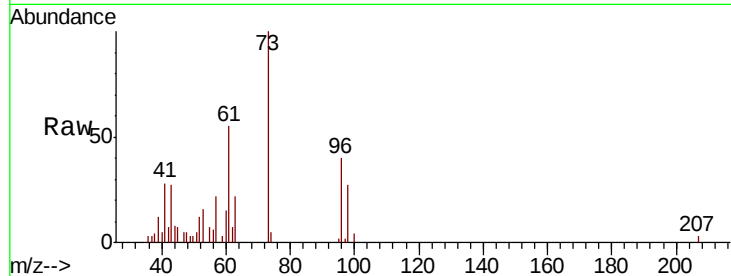




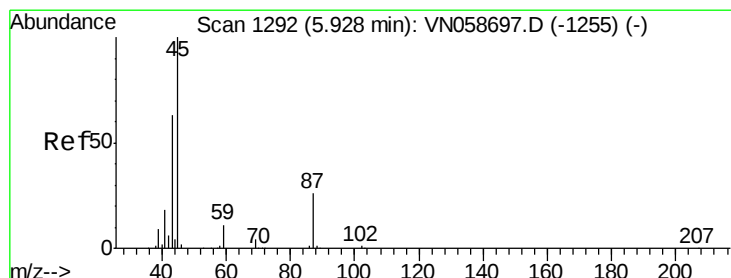
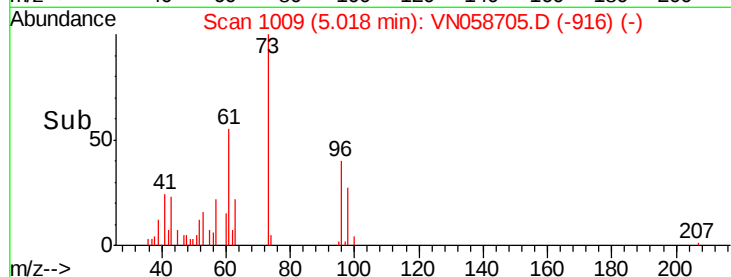
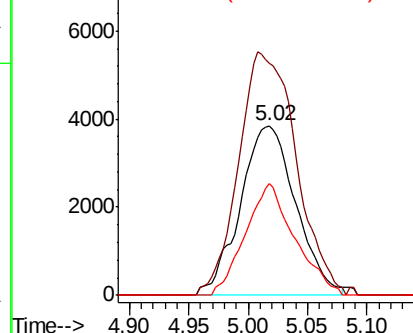
#21  
trans-1,2-Dichloroethene  
Concen: 2.752 ug/l  
RT: 5.02 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

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

Tot Ion: 96 Resp: 12448  
Ion Ratio Lower Upper  
96 100  
61 137.1 123.6 185.4  
98 66.1 52.1 78.1

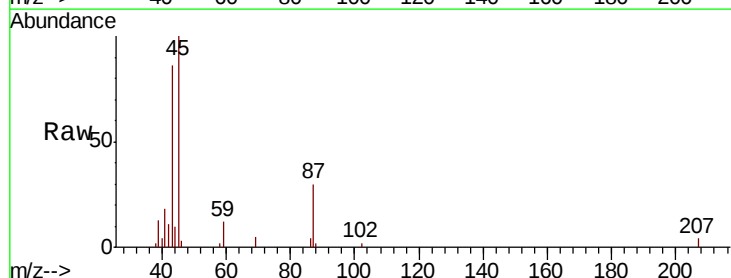


Abundance Ion 95.90 (95.60 to 96.60): VNC  
Ion 60.90 (60.60 to 61.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC

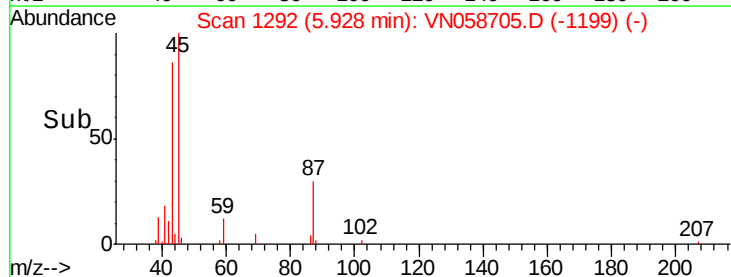
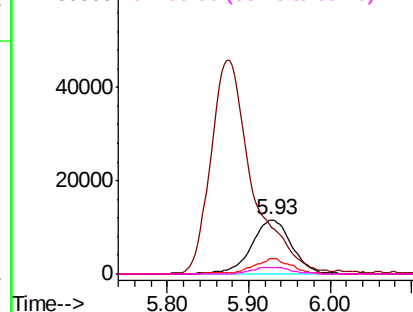


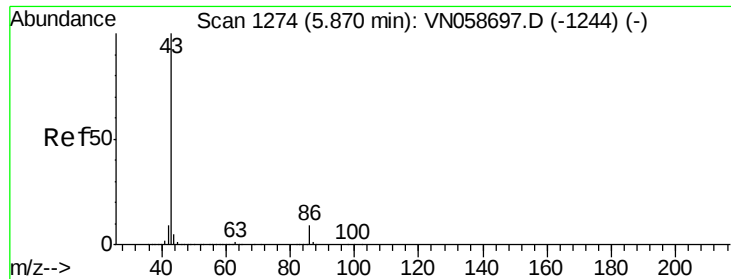
#22  
Diisopropyl ether  
Concen: 2.503 ug/l  
RT: 5.93 min Scan# 1292  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 45 Resp: 39714  
Ion Ratio Lower Upper  
45 100  
43 80.4 50.6 75.8#  
87 29.6 21.1 31.7  
59 11.8 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VNC  
Ion 43.00 (42.70 to 43.70): VNC  
Ion 87.00 (86.70 to 87.70): VNC  
Ion 59.00 (58.70 to 59.70): VNC

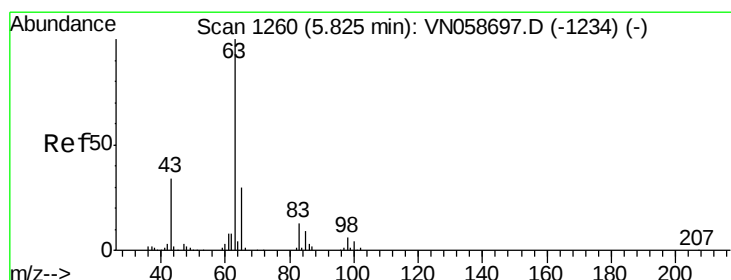
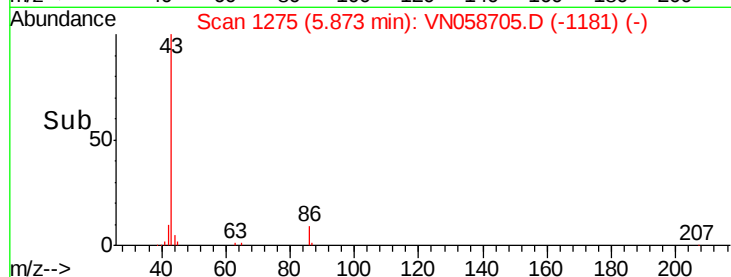
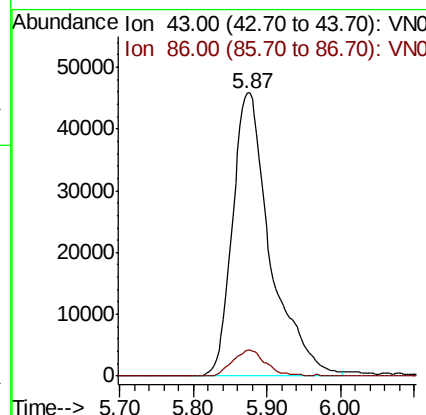
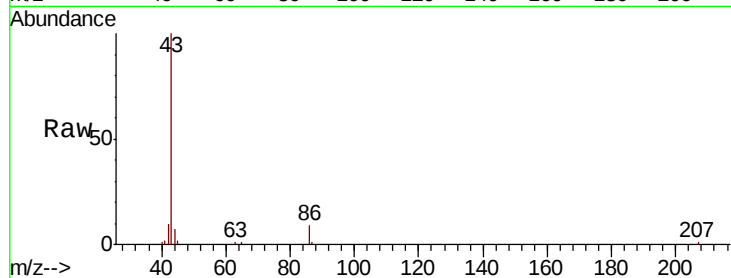




#23  
 Vinyl Acetate  
 Concen: 12.786 ug/l  
 RT: 5.87 min Scan# 1275  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

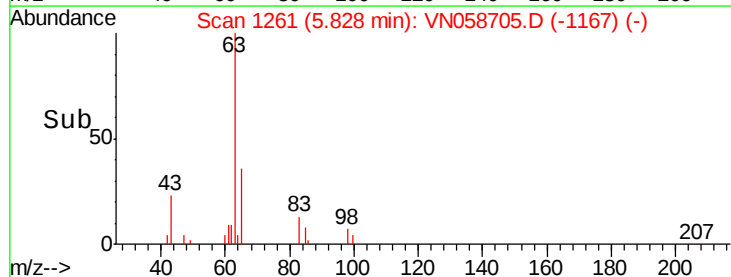
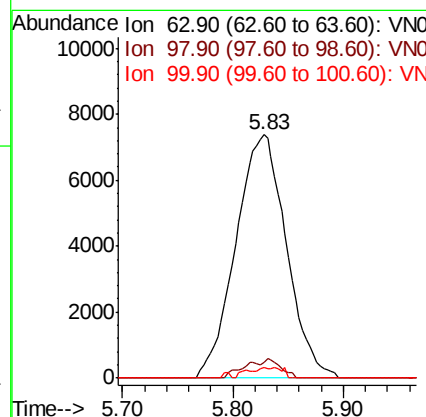
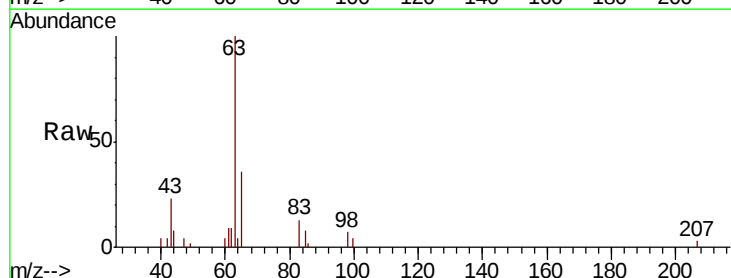
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

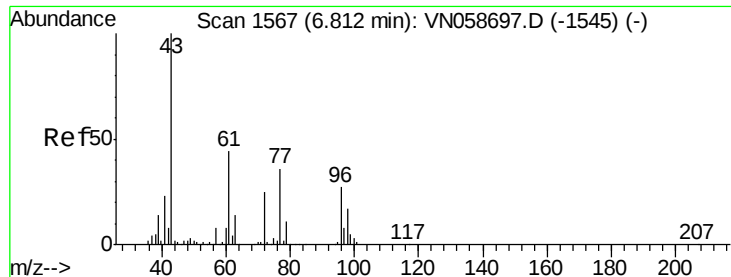
Tot Ion: 43 Resp: 163723  
 Ion Ratio Lower Upper  
 43 100  
 86 9.3 7.4 11.0



#24  
 1,1-Dichloroethane  
 Concen: 2.593 ug/l  
 RT: 5.83 min Scan# 1261  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

Tgt Ion: 63 Resp: 23431  
 Ion Ratio Lower Upper  
 63 100  
 98 6.6 2.9 8.6  
 100 4.2 1.8 5.5





#25

2-Butanone

Concen: 12.200 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

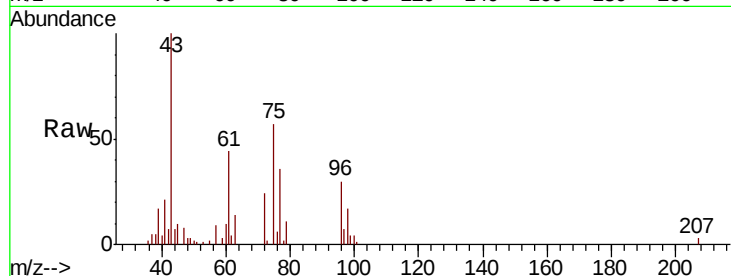
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 43040

Ion Ratio Lower Upper

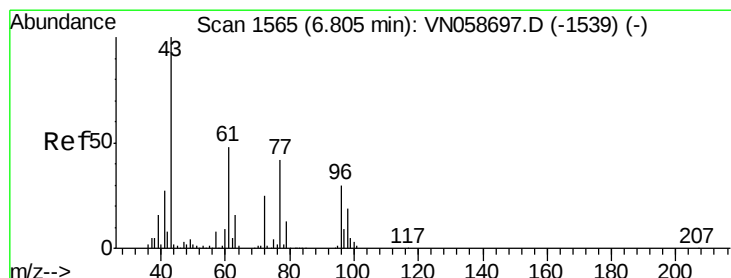
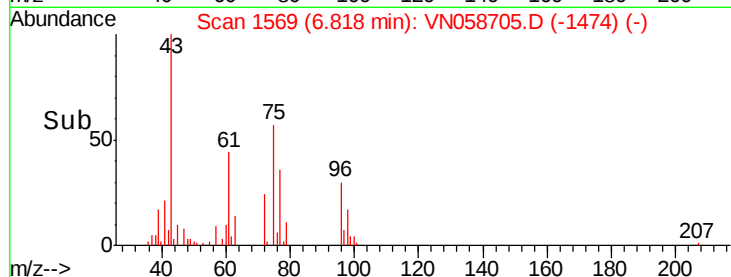
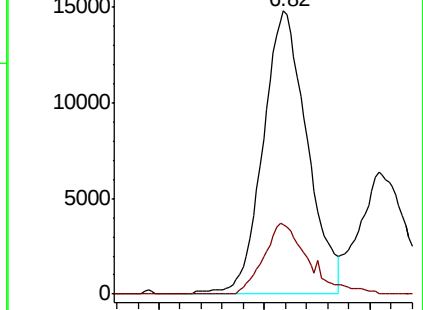
43 100

72 24.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1545) (-)

Ion 72.00 (71.70 to 72.70): VN058697.D (-1545) (-)



#26

2,2-Dichloropropane

Concen: 2.664 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058705.D

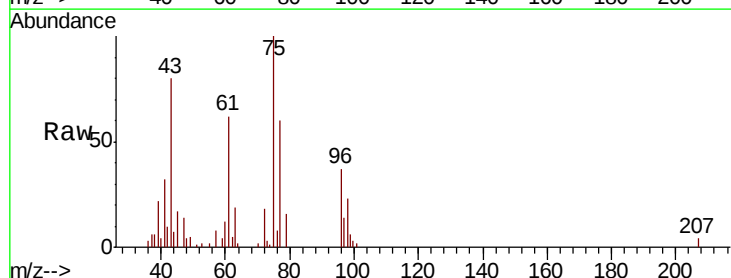
Acq: 11 Oct 2019 15:58

Tgt Ion: 77 Resp: 21978

Ion Ratio Lower Upper

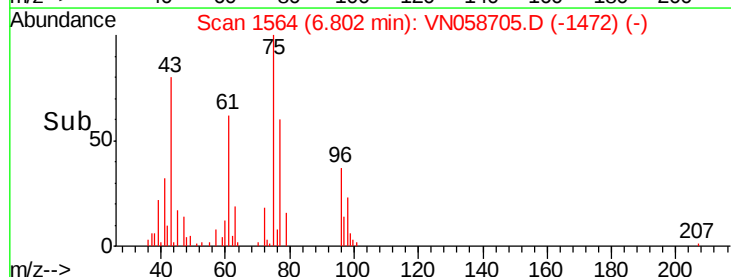
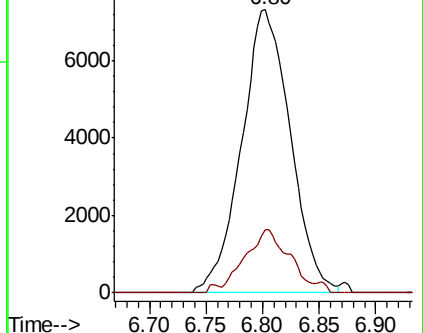
77 100

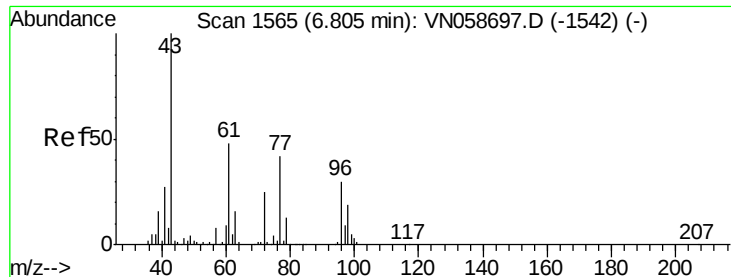
97 20.6 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN058697.D (-1539) (-)

Ion 96.90 (96.60 to 97.60): VN058697.D (-1539) (-)





#27

cis-1,2-Dichloroethene

Concen: 2.656 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

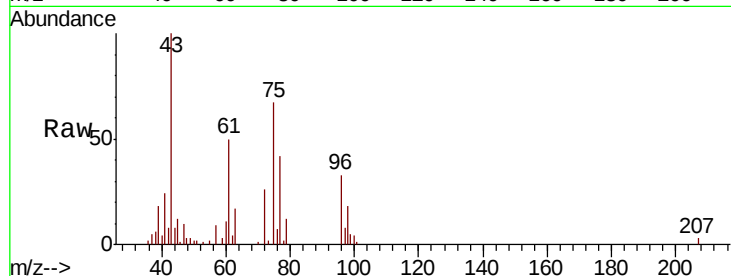
Tot Ion: 96 Resp: 14012

Ion Ratio Lower Upper

96 100

61 159.1 0.0 324.8

98 61.2 0.0 129.2

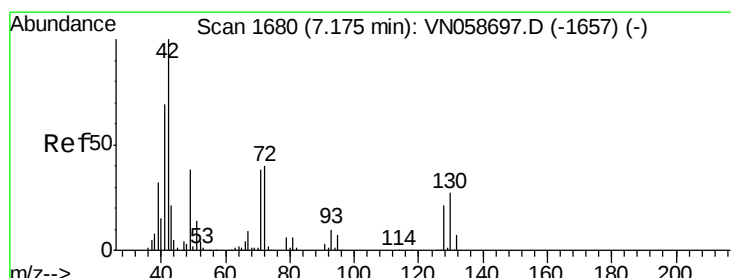
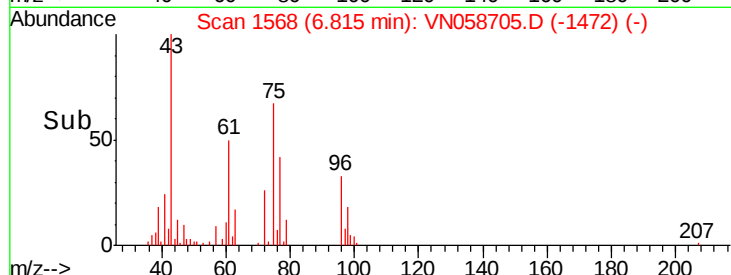
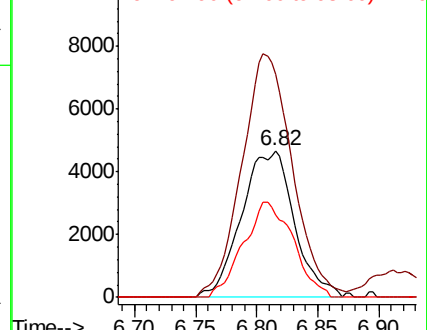


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 1.293 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

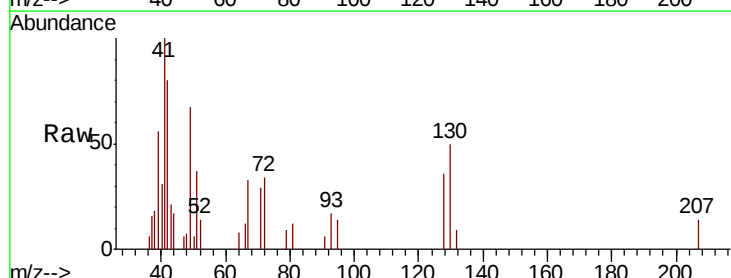
Tgt Ion: 49 Resp: 4064

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 137.8 55.0 82.4#

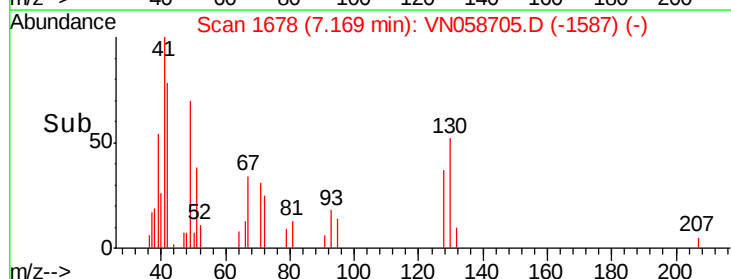
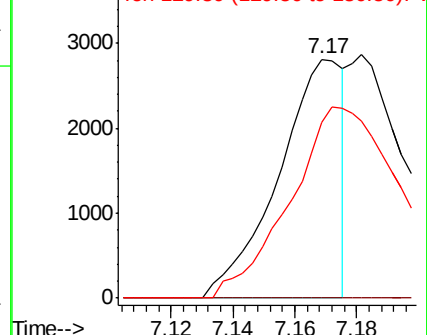


Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

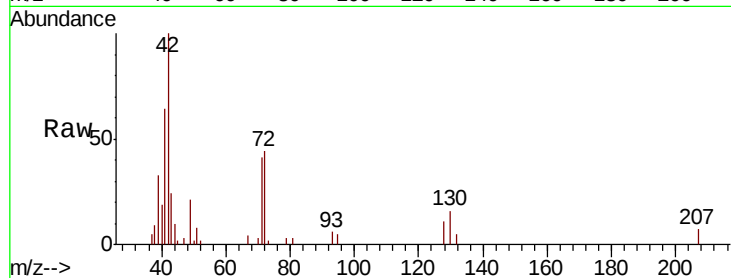




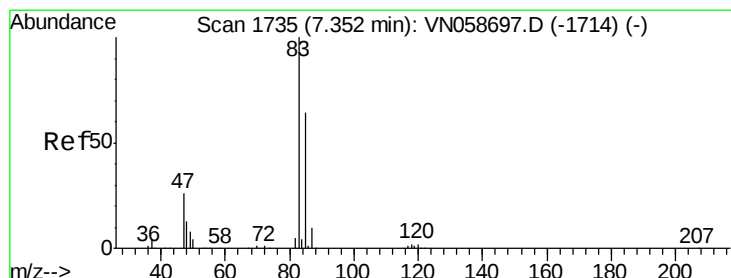
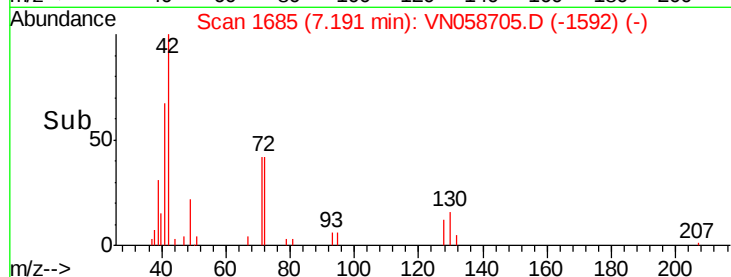
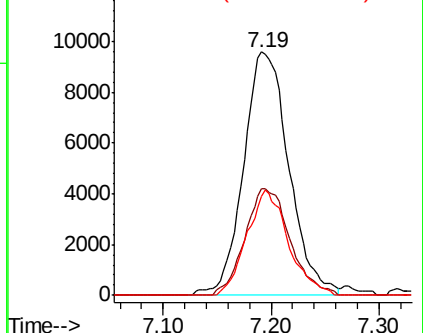
#29  
Tetrahydrofuran  
Concen: 12.313 ug/l  
RT: 7.19 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

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

Tot Ion: 42 Resp: 28070  
Ion Ratio Lower Upper  
42 100  
72 43.5 32.8 49.2  
71 39.5 31.1 46.7

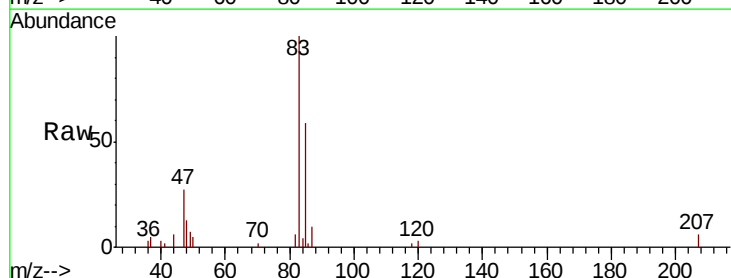


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

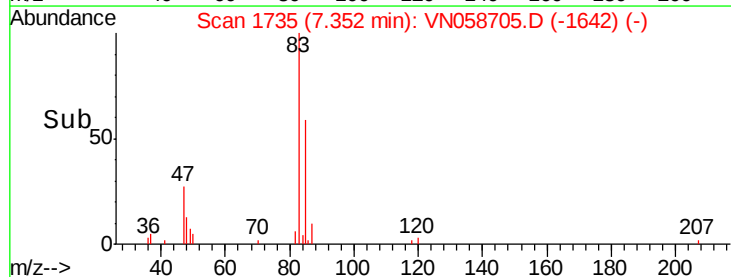
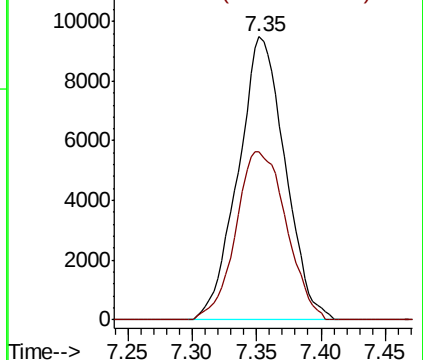


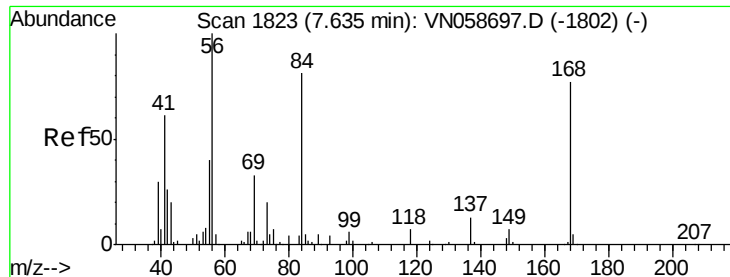
#30  
Chloroform  
Concen: 2.653 ug/l  
RT: 7.35 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 83 Resp: 24092  
Ion Ratio Lower Upper  
83 100  
85 59.3 51.0 76.6



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

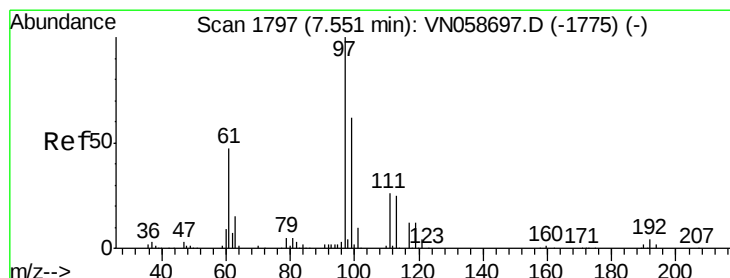
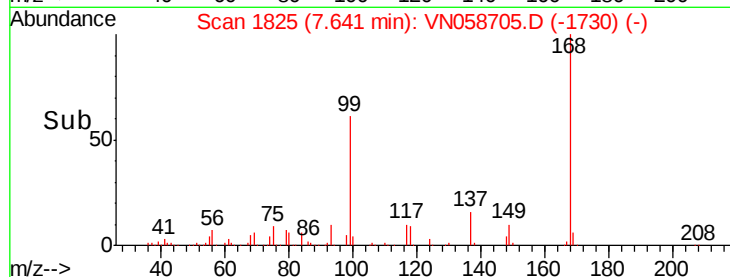
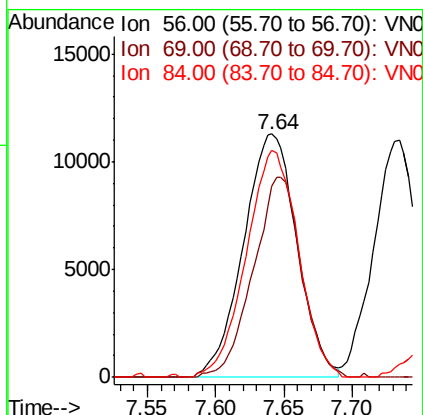
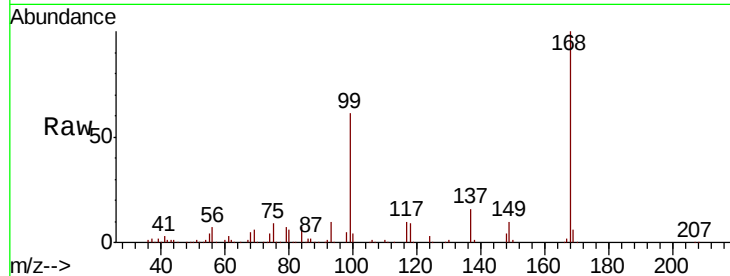




#31  
Cyclohexane  
Concen: 3.559 ug/l  
RT: 7.64 min Scan# 1825  
Delta R.T. 0.01 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

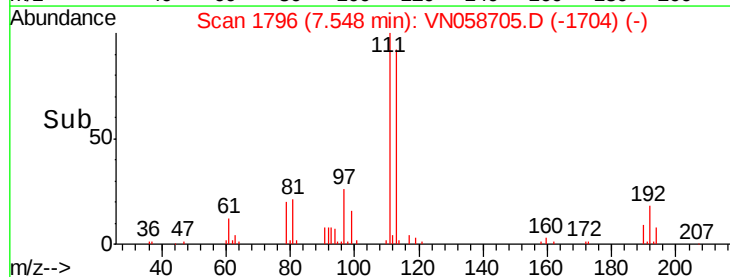
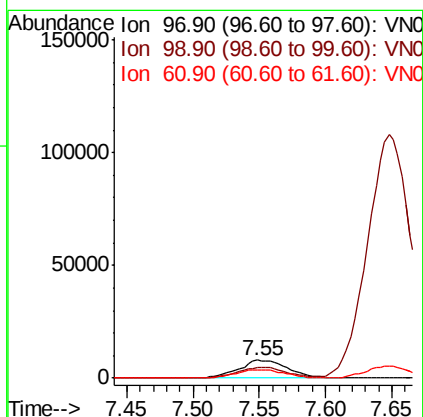
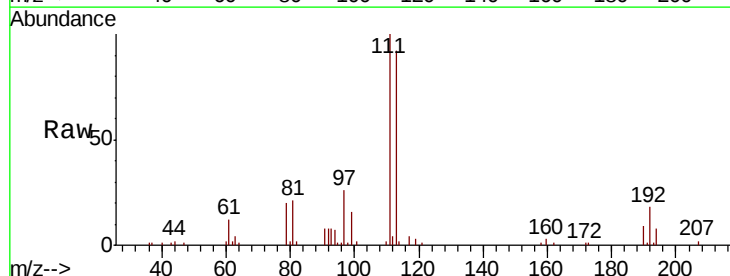
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

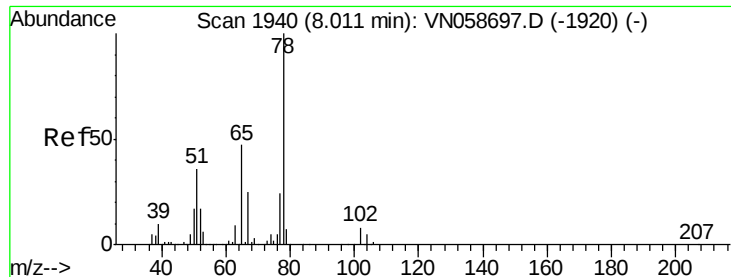
Tot Ion: 56 Resp: 30774  
Ion Ratio Lower Upper  
56 100  
69 78.4 26.2 39.4#  
84 93.4 64.9 97.3



#32  
1,1,1-Trichloroethane  
Concen: 2.629 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 97 Resp: 20361  
Ion Ratio Lower Upper  
97 100  
99 62.7 50.8 76.2  
61 48.2 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 52.731 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

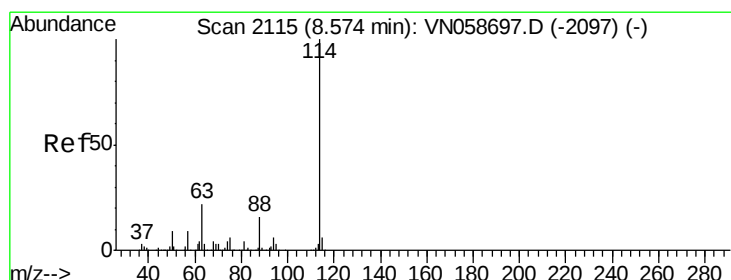
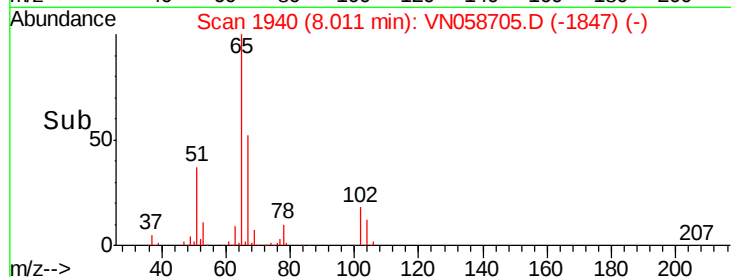
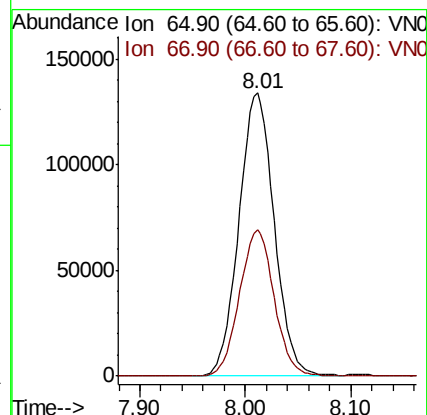
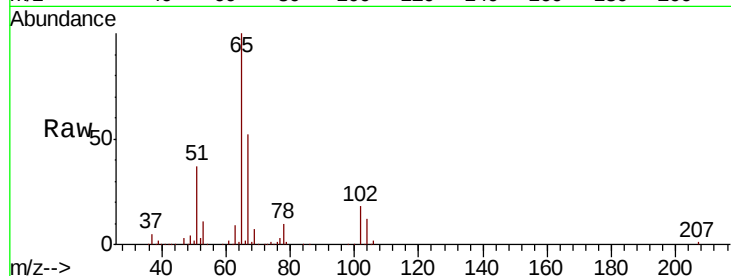
LOQ-WATER-02-QT4-2019

Tot Ion: 65 Resp: 310877

Ion Ratio Lower Upper

65 100

67 51.0 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: VN058705.D

Acq: 11 Oct 2019 15:58

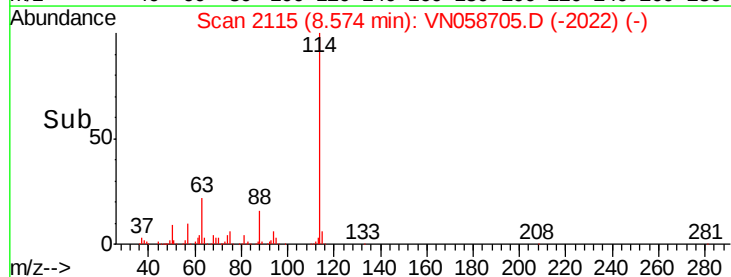
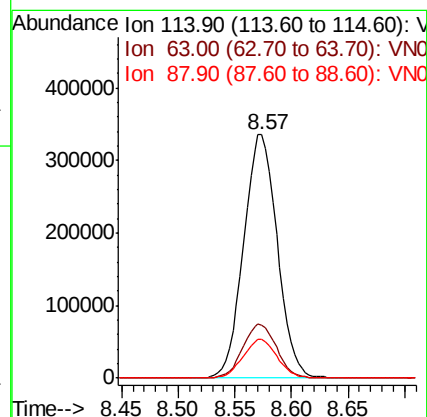
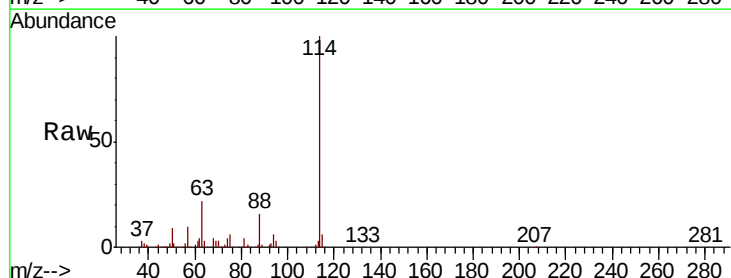
Tgt Ion: 114 Resp: 694830

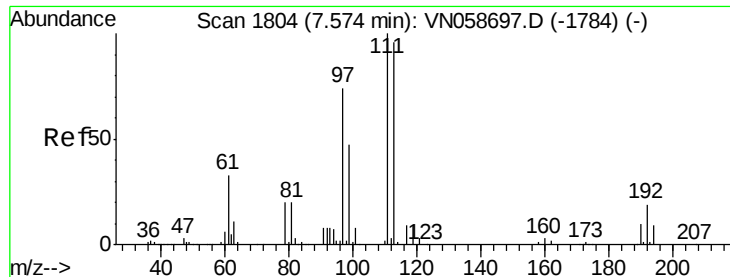
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 16.1 0.0 32.0

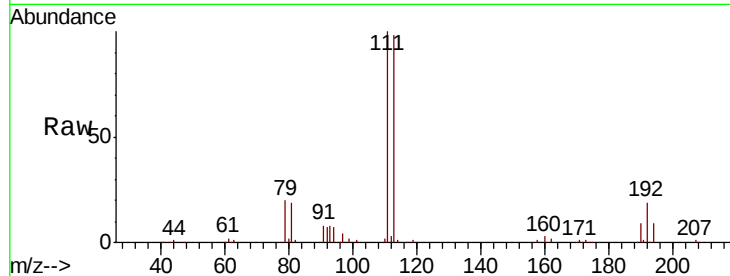




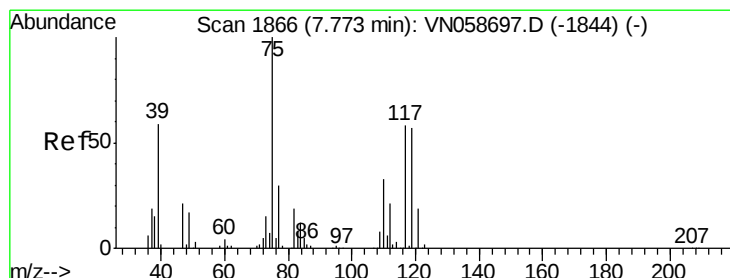
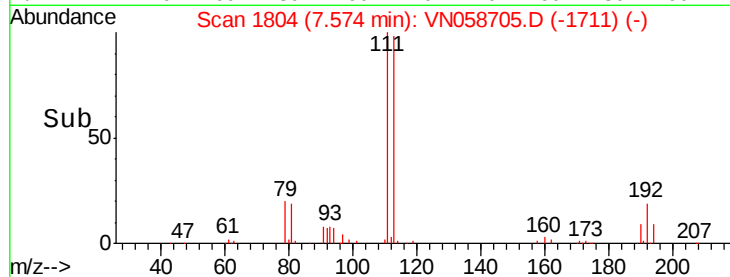
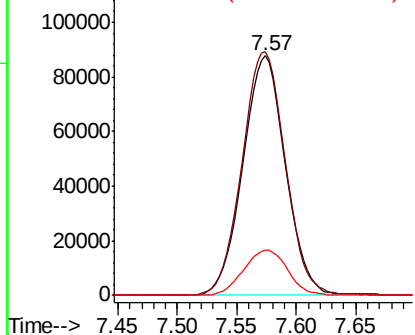
#35  
 Dibromofluoromethane  
 Concen: 50.647 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 82.3  | 123.5 |
| 192     | 19.5  | 15.0  | 22.6  |

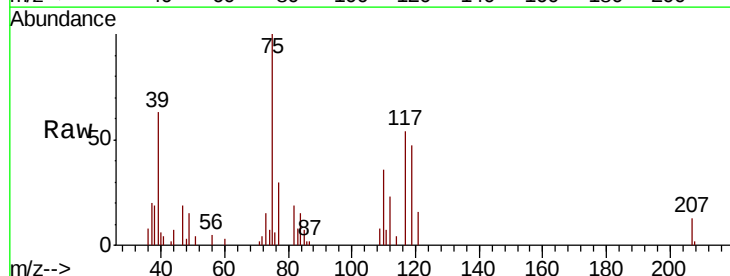


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

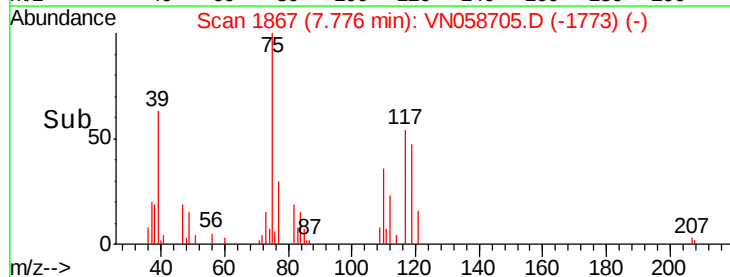
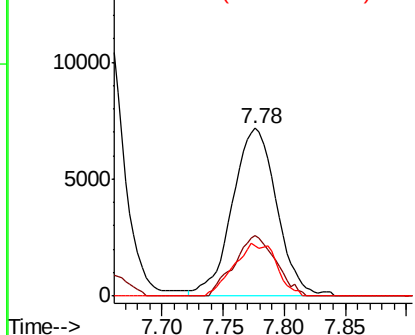


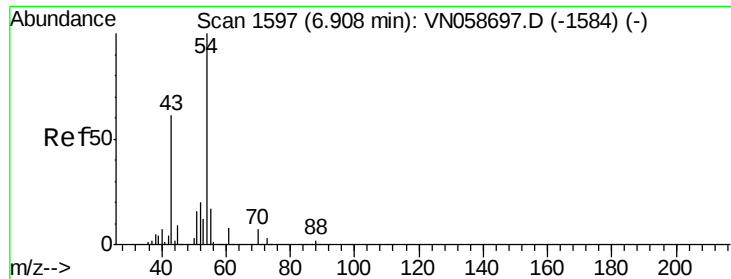
#36  
 1,1-Dichloropropene  
 Concen: 2.578 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.5  | 16.6  | 49.8  |
| 77      | 30.1  | 24.6  | 37.0  |



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): V

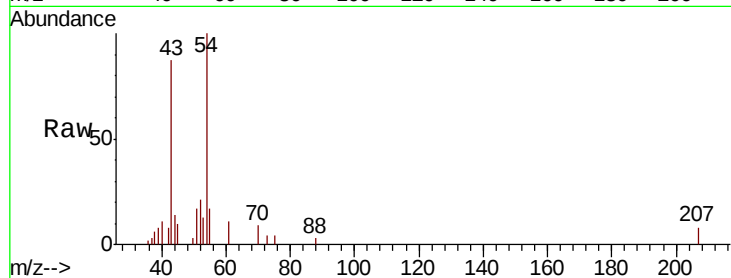




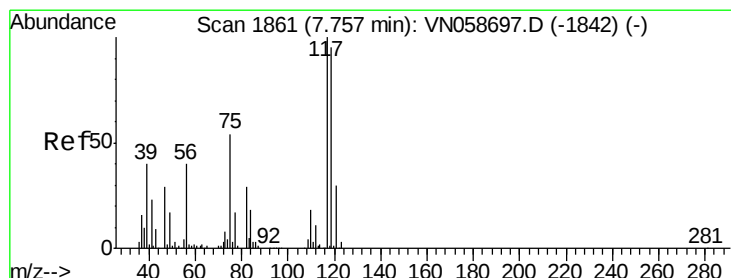
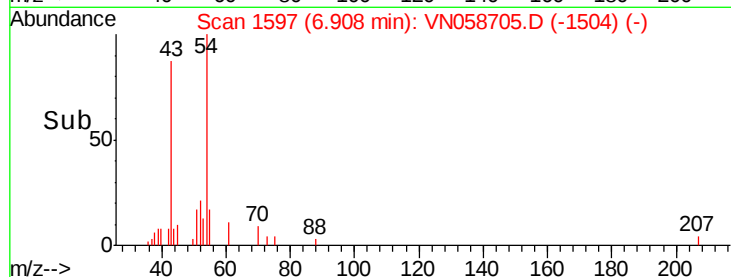
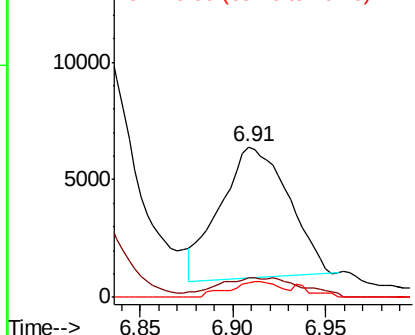
#37  
Ethyl Acetate  
Concen: 2.011 ug/l  
RT: 6.91 min Scan# 1597  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

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

Tot Ion: 43 Resp: 14291  
Ion Ratio Lower Upper  
43 100  
61 7.3 11.3 16.9#  
70 8.9 7.2 10.8

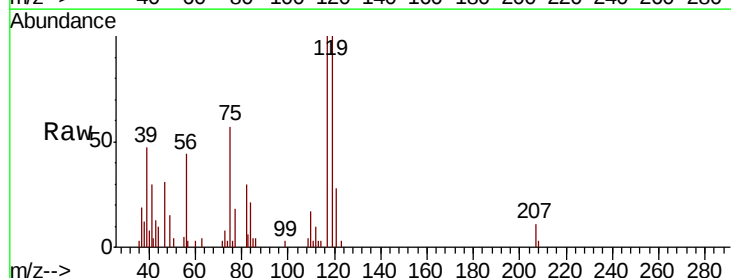


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

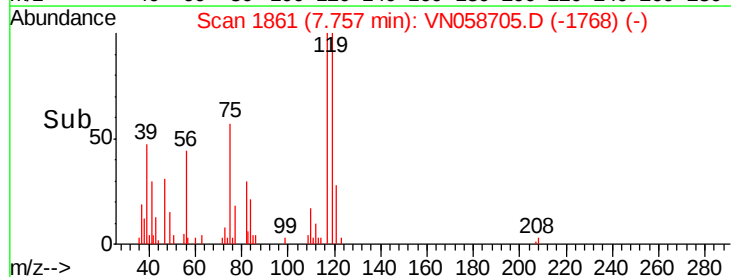
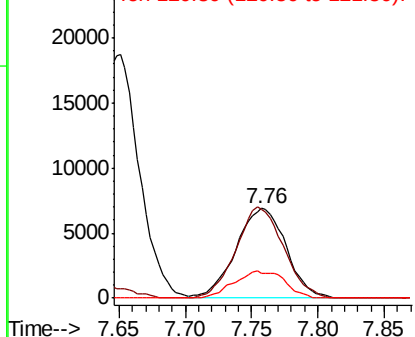


#38  
Carbon Tetrachloride  
Concen: 2.657 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 117 Resp: 18195  
Ion Ratio Lower Upper  
117 100  
119 99.7 75.7 113.5  
121 28.3 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

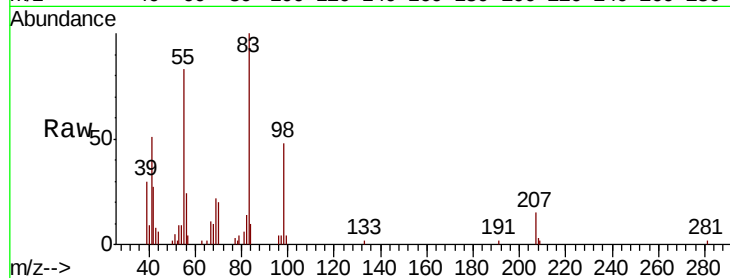




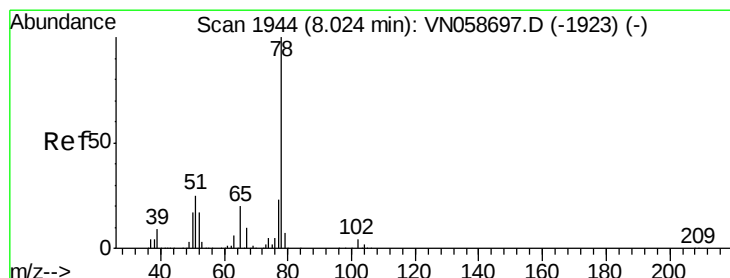
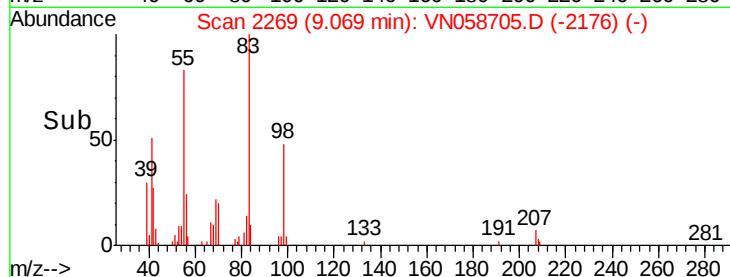
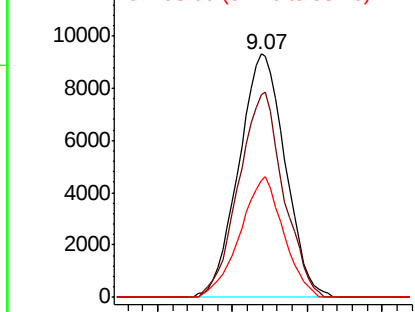
#39  
Methvlcvclohexane  
Concen: 2.457 ug/l  
RT: 9.07 min Scan# 2269  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

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

Tot Ion: 83 Resp: 20033  
Ion Ratio Lower Upper  
83 100  
55 83.3 63.4 95.0  
98 48.3 35.1 52.7

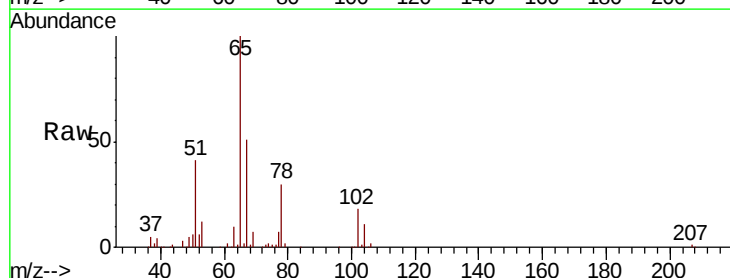


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

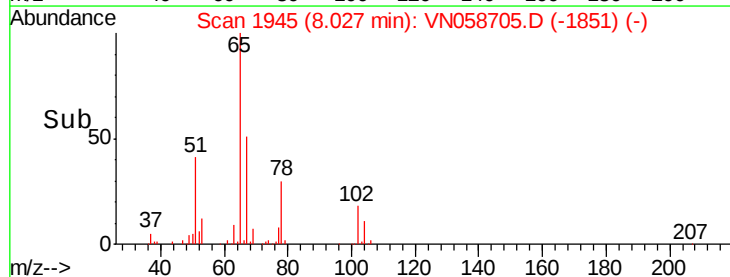
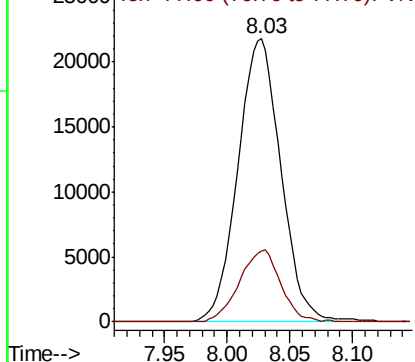


#40  
Benzene  
Concen: 2.564 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 78 Resp: 51739  
Ion Ratio Lower Upper  
78 100  
77 25.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0

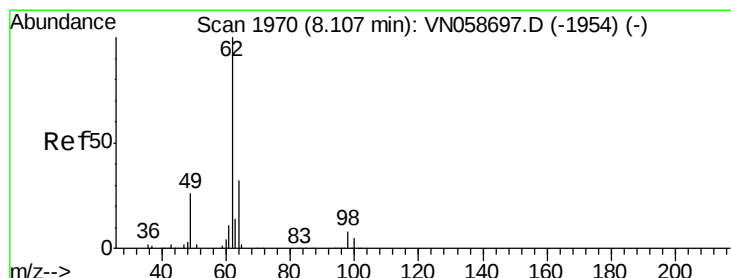
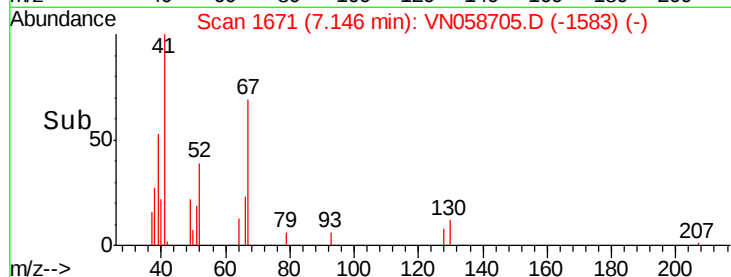
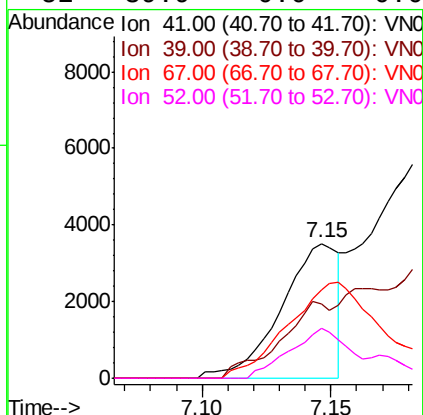
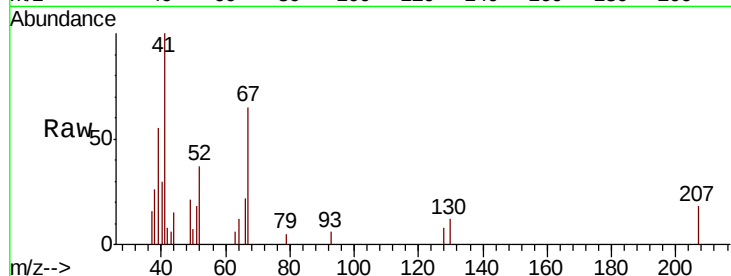




#41  
Methacrylonitrile  
Concen: 1.615 ug/l  
RT: 7.15 min Scan# 1671  
Delta R.T. -0.02 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

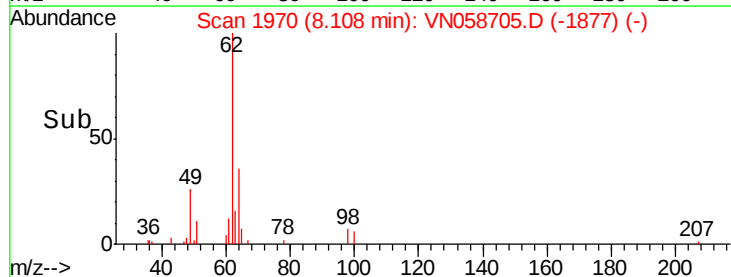
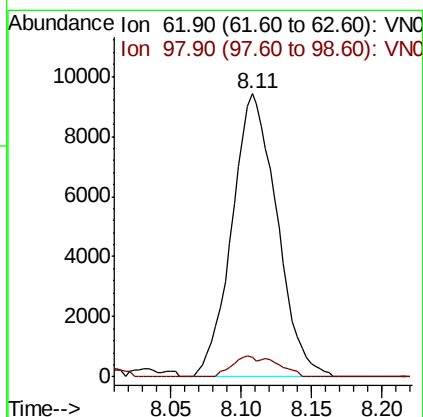
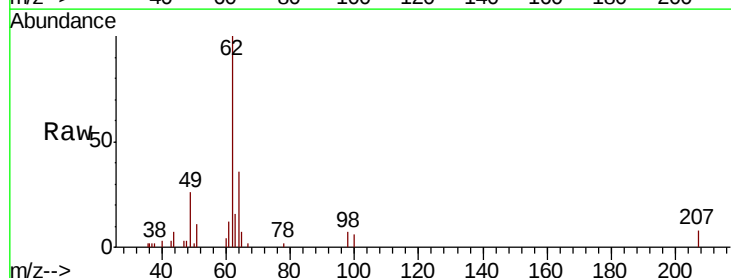
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 41 Resp: 5370  
Ion Ratio Lower Upper  
41 100  
39 49.4 115.4 173.2#  
67 0.0 0.0 0.0  
52 39.9 0.0 0.0#



#42  
1,2-Dichloroethane  
Concen: 2.711 ug/l  
RT: 8.11 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 62 Resp: 21017  
Ion Ratio Lower Upper  
62 100  
98 4.5 0.0 15.8





#43

Isopropyl Acetate

Concen: 2.368 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

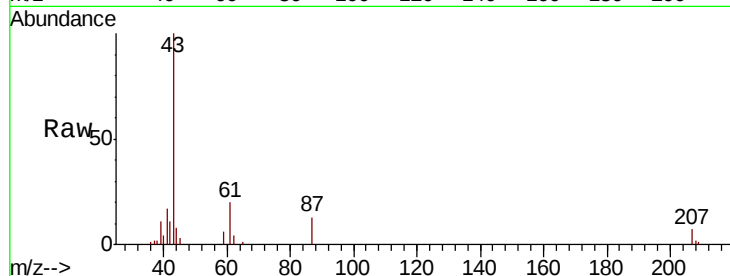
Tot Ion: 43 Resp: 28658

Ion Ratio Lower Upper

43 100

61 21.9 20.3 30.5

87 11.8 9.8 14.6

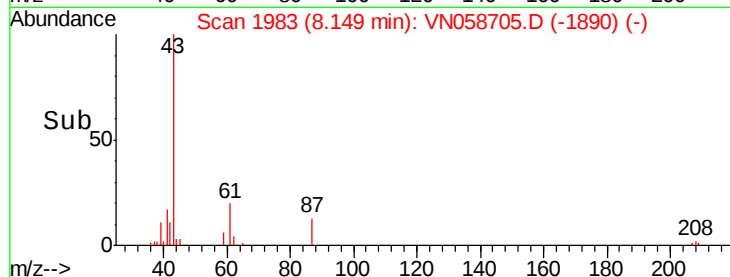


Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

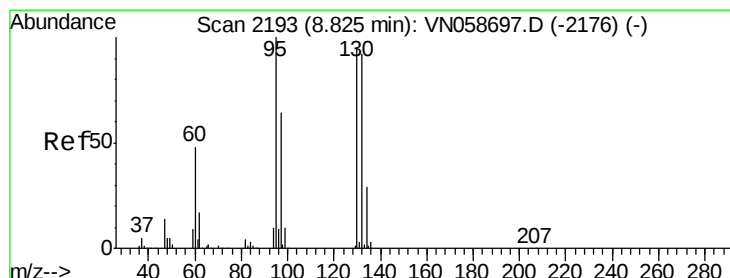
Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

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

8.15



Time-->



#44

Trichloroethene

Concen: 2.573 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058705.D

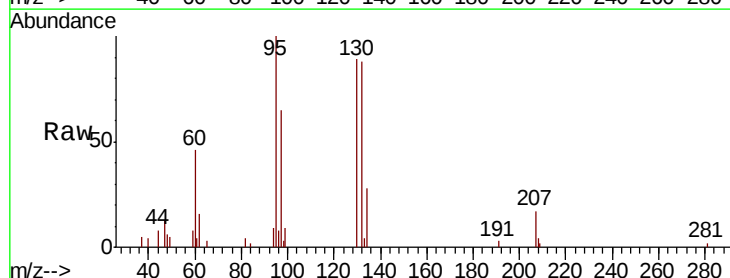
Acq: 11 Oct 2019 15:58

Tgt Ion: 130 Resp: 12893

Ion Ratio Lower Upper

130 100

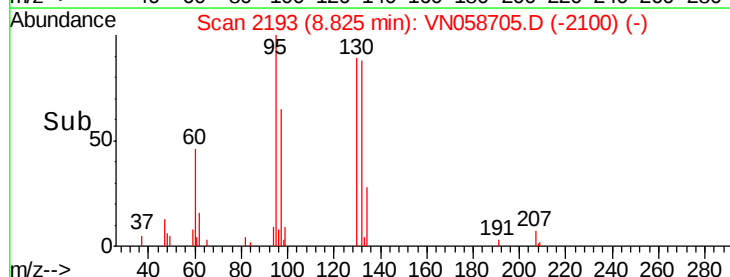
95 111.9 0.0 211.2



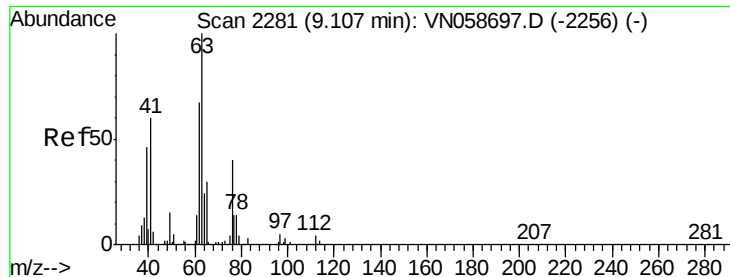
Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

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

8.82



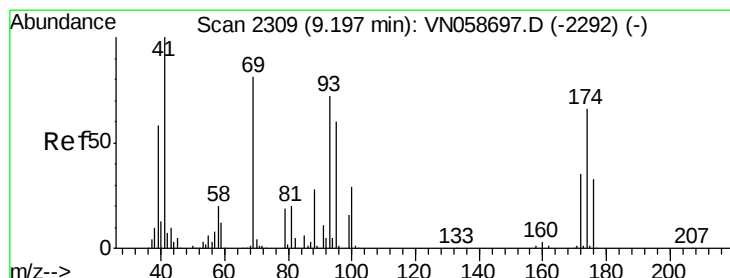
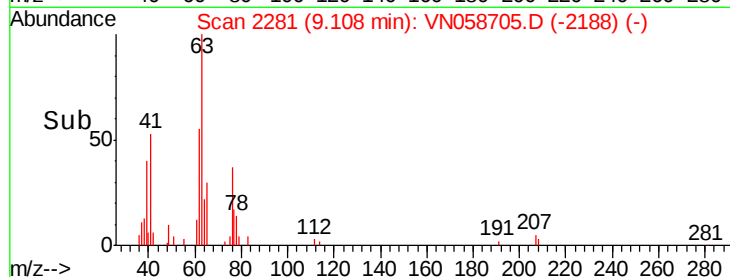
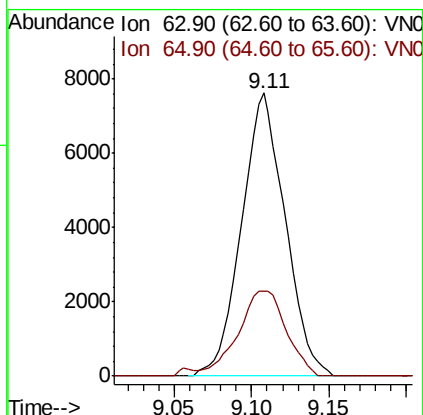
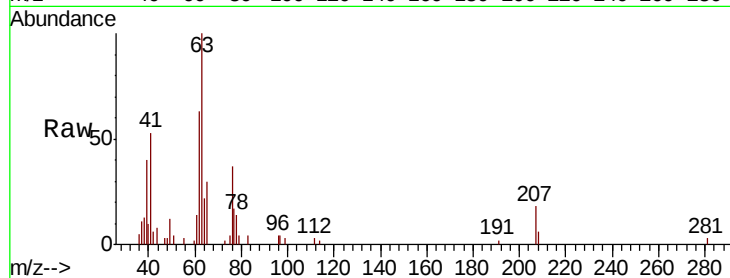
Time-->



#45  
 1,2-Dichloropropane  
 Concen: 2.769 ug/l  
 RT: 9.11 min Scan# 2281  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

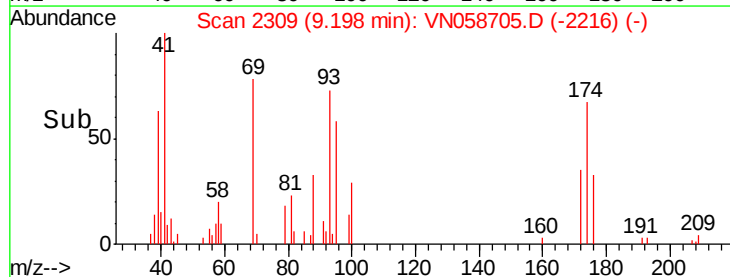
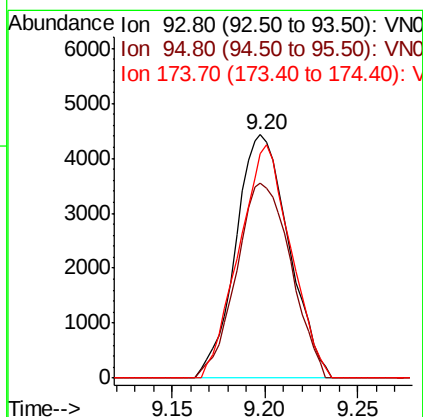
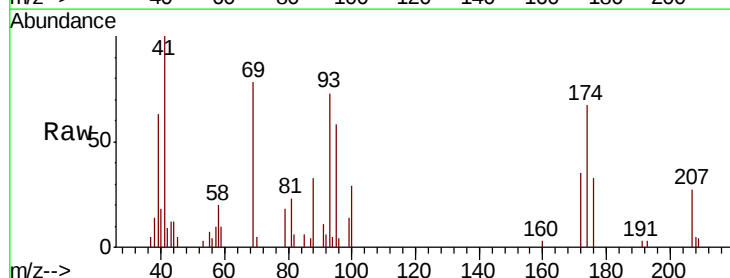
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

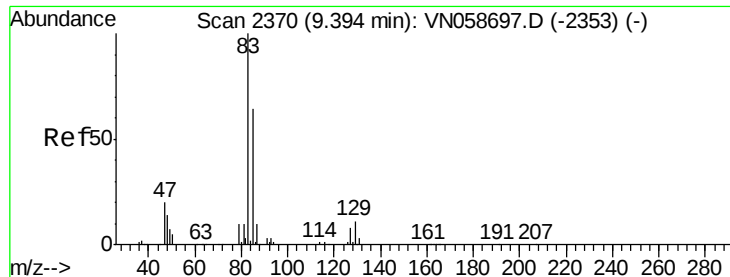
Tot Ion: 63 Resp: 14955  
 Ion Ratio Lower Upper  
 63 100  
 65 30.2 24.1 36.1



#46  
 Dibromomethane  
 Concen: 2.569 ug/l  
 RT: 9.20 min Scan# 2309  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

Tgt Ion: 93 Resp: 8799  
 Ion Ratio Lower Upper  
 93 100  
 95 82.1 66.6 100.0  
 174 93.4 75.2 112.8





#47

Bromodichloromethane

Concen: 2.425 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

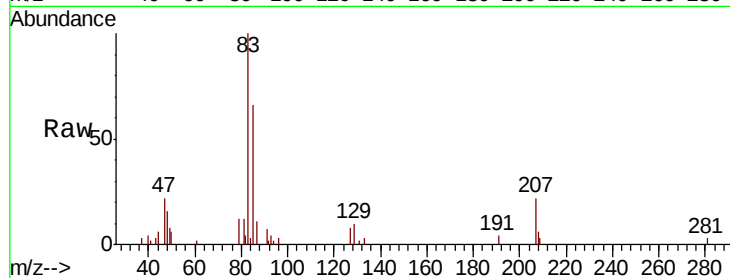
Tot Ion: 83 Resp: 16912

Ion Ratio Lower Upper

83 100

85 66.2 50.9 76.3

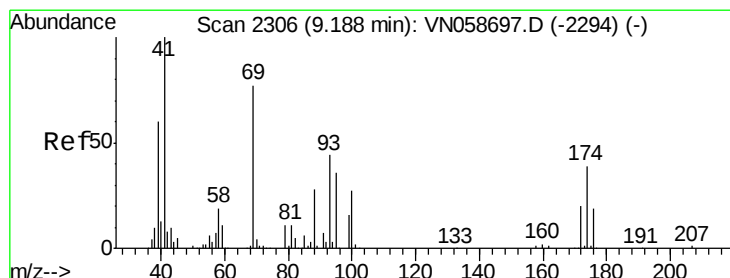
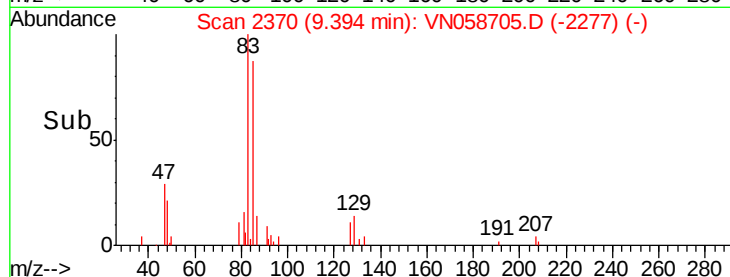
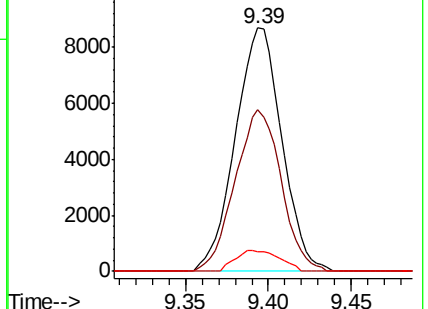
127 8.2 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058697.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058697.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058697.D (-2353) (-)



#48

Methyl methacrylate

Concen: 2.496 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

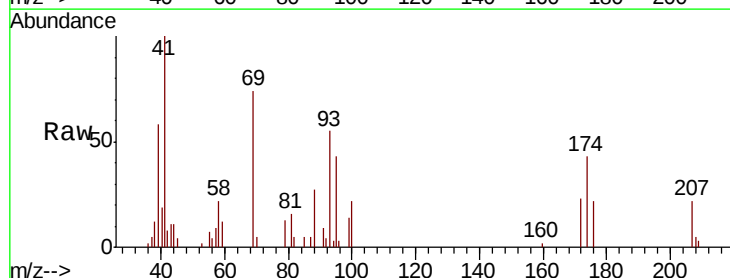
Tgt Ion: 41 Resp: 13692

Ion Ratio Lower Upper

41 100

69 75.1 63.4 95.2

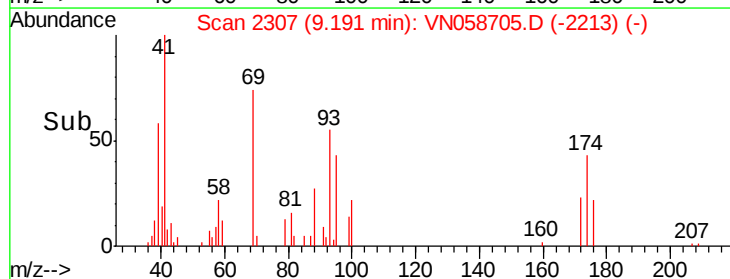
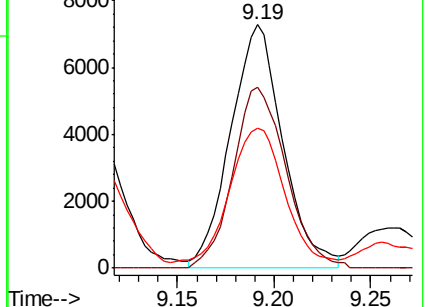
39 62.8 48.9 73.3

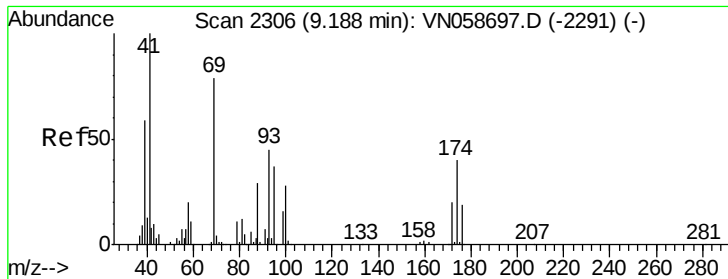


Abundance Ion 41.00 (40.70 to 41.70): VN058697.D (-2294) (-)

Ion 69.00 (68.70 to 69.70): VN058697.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN058697.D (-2294) (-)

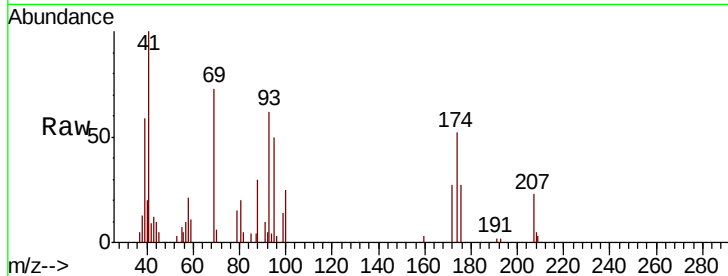




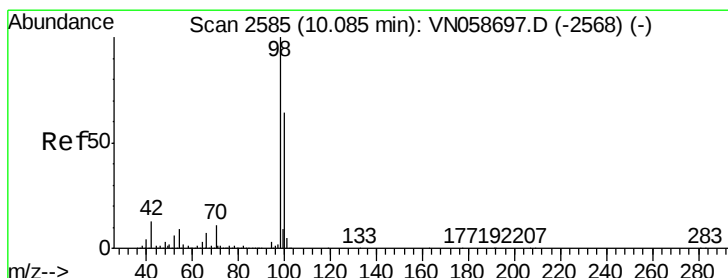
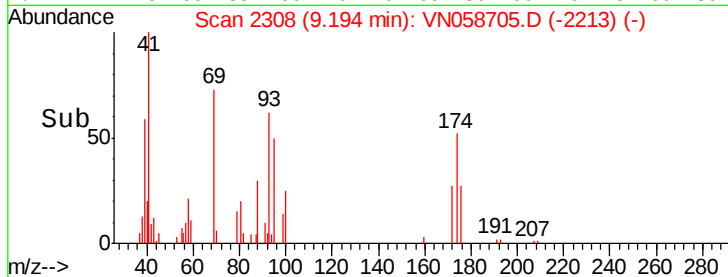
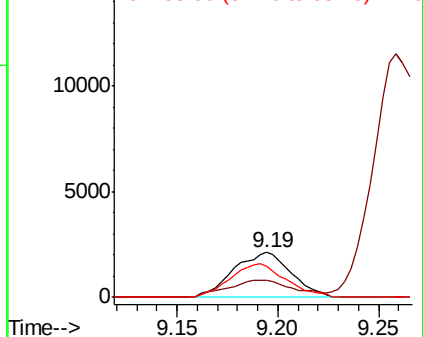
#49  
1,4-Dioxane  
Concen: 49.436 ug/l  
RT: 9.19 min Scan# 2308  
Delta R.T. 0.01 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

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

Tot Ion: 88 Resp: 4196  
Ion Ratio Lower Upper  
88 100  
43 44.1 28.6 43.0#  
58 72.7 57.2 85.8

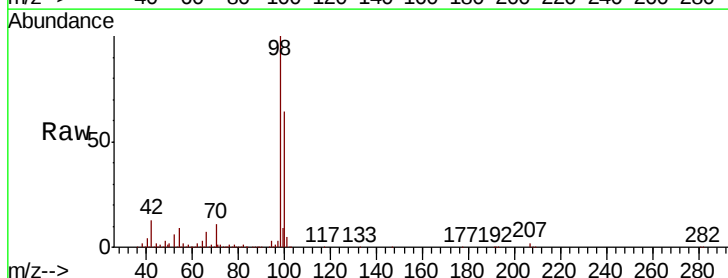


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

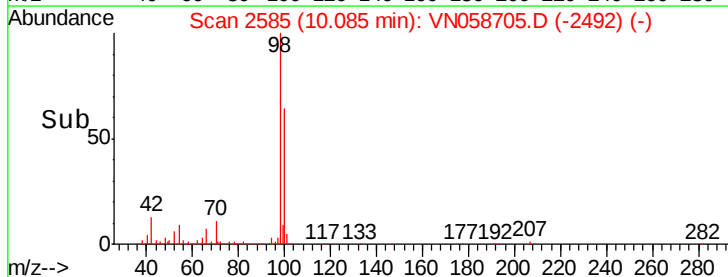
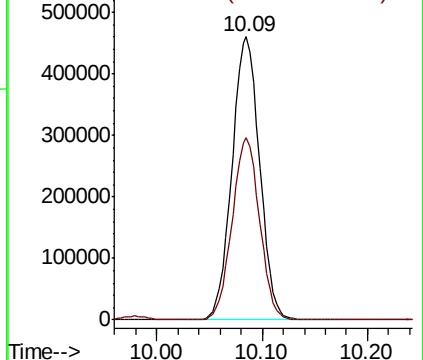


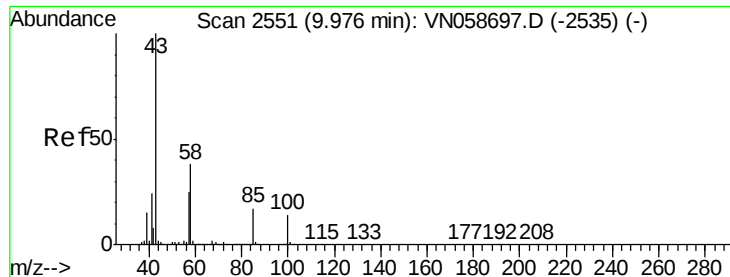
#50  
Toluene-d8  
Concen: 48.624 ug/l  
RT: 10.09 min Scan# 2585  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 98 Resp: 834503  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 12.453 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

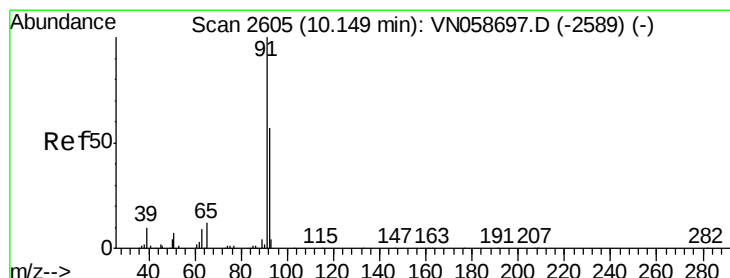
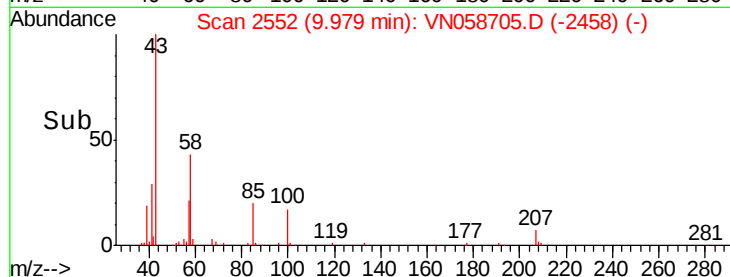
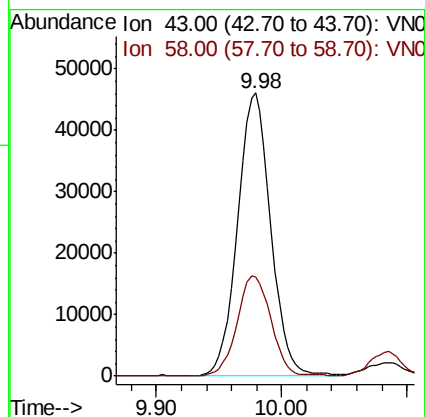
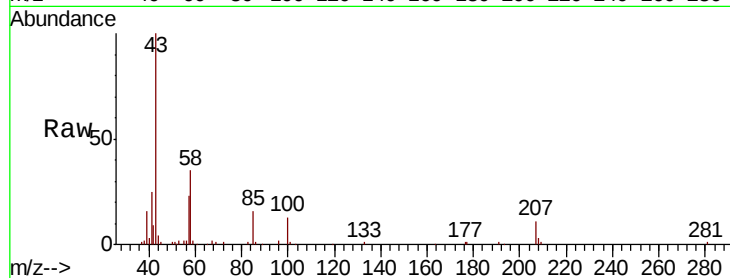
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 84647

Ion Ratio Lower Upper

43 100

58 36.3 30.3 45.5



#52

Toluene

Concen: 2.480 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058705.D

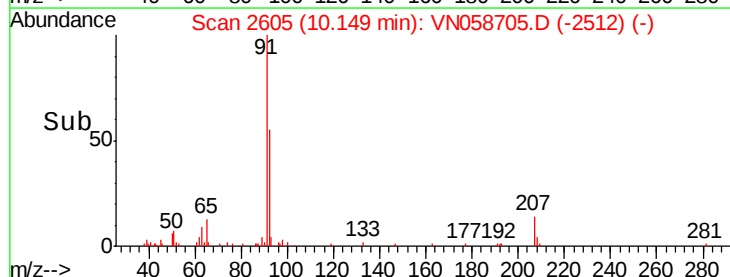
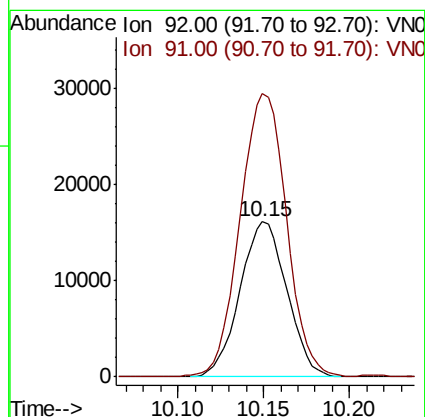
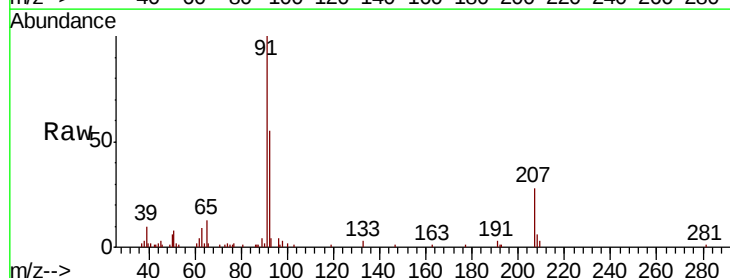
Acq: 11 Oct 2019 15:58

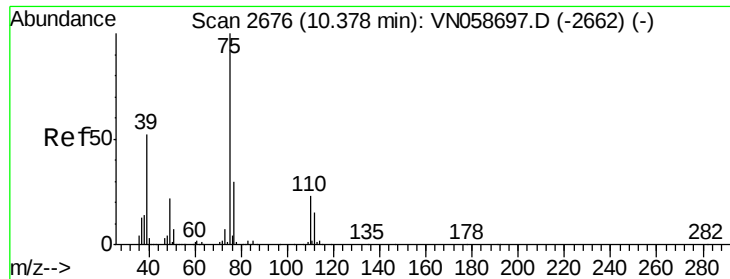
Tgt Ion: 92 Resp: 30600

Ion Ratio Lower Upper

92 100

91 180.9 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 2.373 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

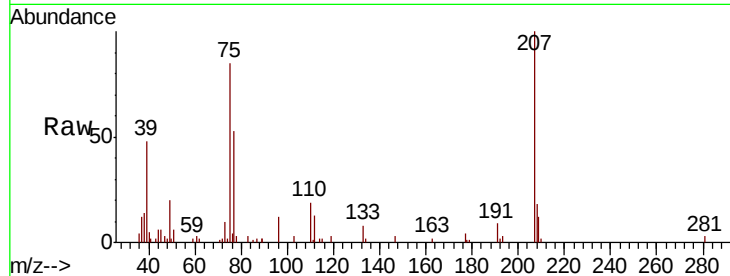
LOQ-WATER-02-QT4-2019

Tot Ion: 75 Resp: 18978

Ion Ratio Lower Upper

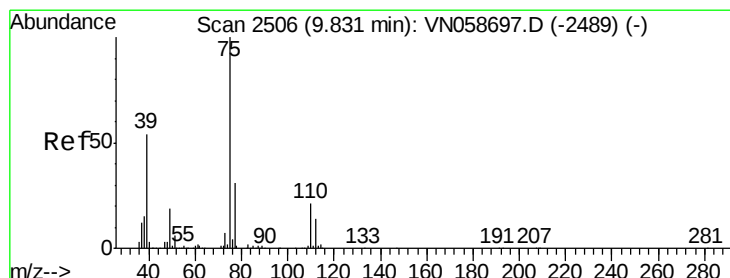
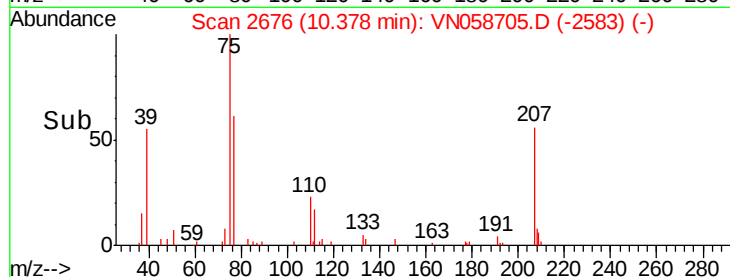
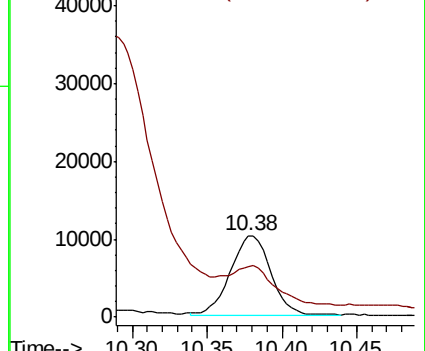
75 100

77 49.1 26.2 39.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 2.435 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

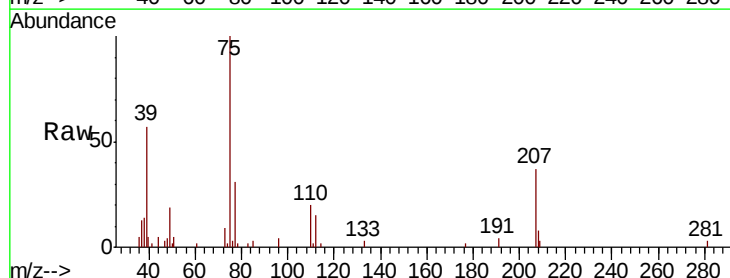
Tgt Ion: 75 Resp: 20676

Ion Ratio Lower Upper

75 100

77 31.2 24.4 36.6

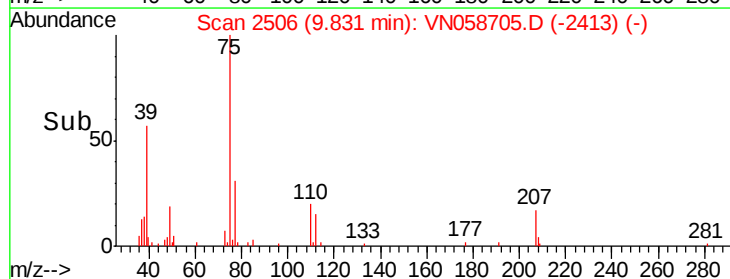
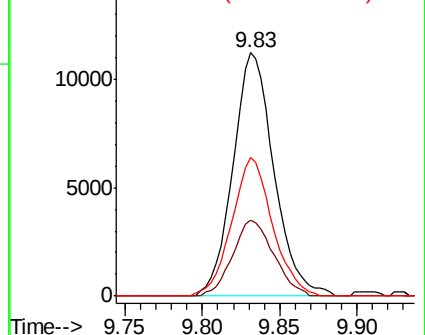
39 56.9 43.1 64.7

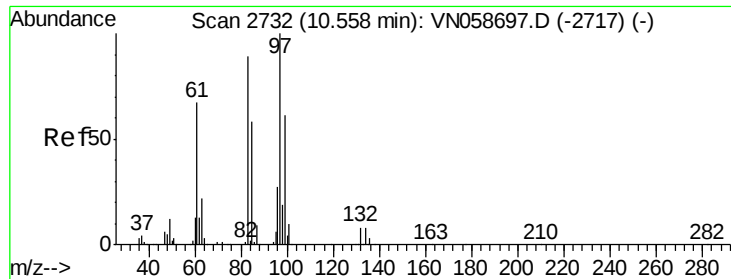


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 2.690 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 97 Resp: 13585

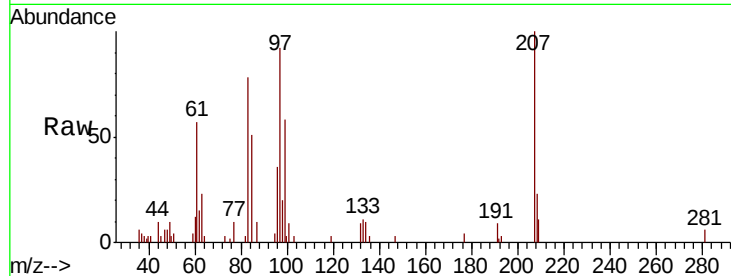
Ion Ratio Lower Upper

97 100

83 85.0 71.2 106.8

85 54.8 46.7 70.1

99 62.5 49.0 73.6

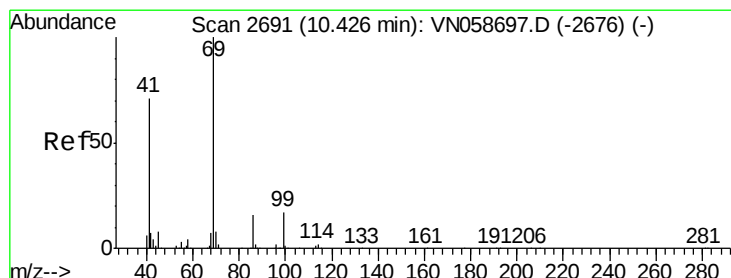
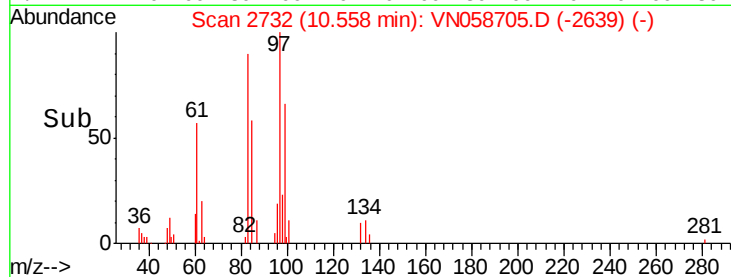
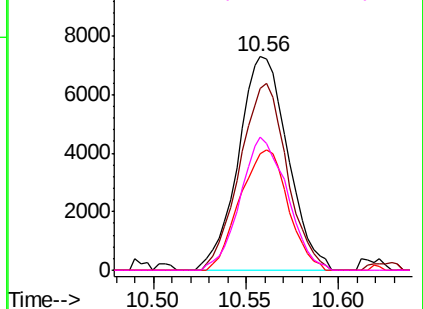


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 2.343 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

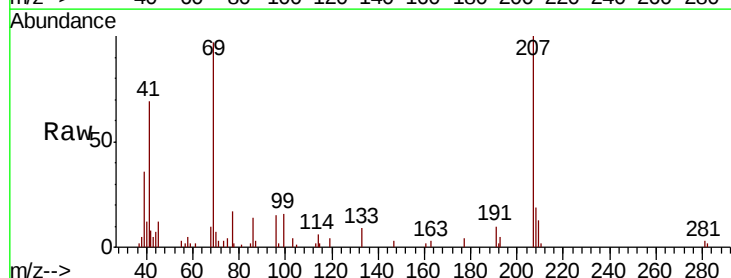
Tgt Ion: 69 Resp: 17292

Ion Ratio Lower Upper

69 100

41 75.1 56.8 85.2

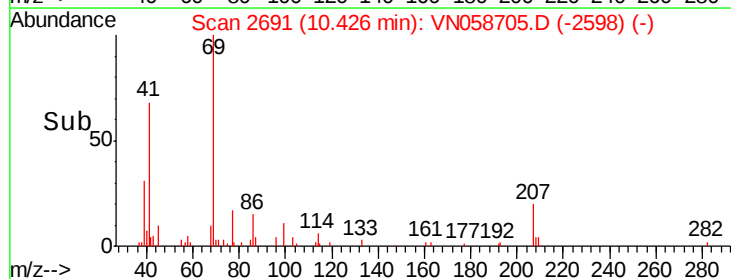
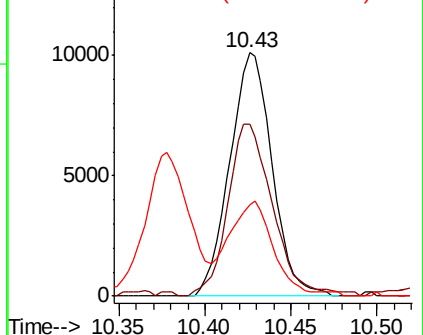
39 38.5 32.5 48.7

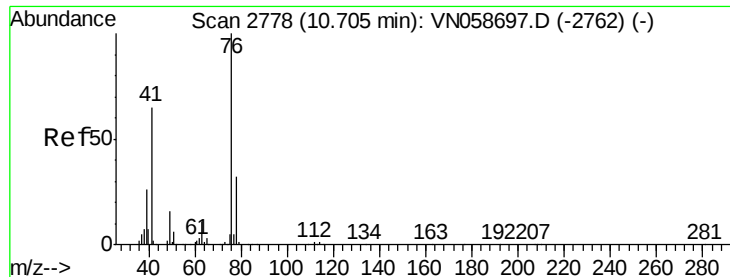


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 2.531 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

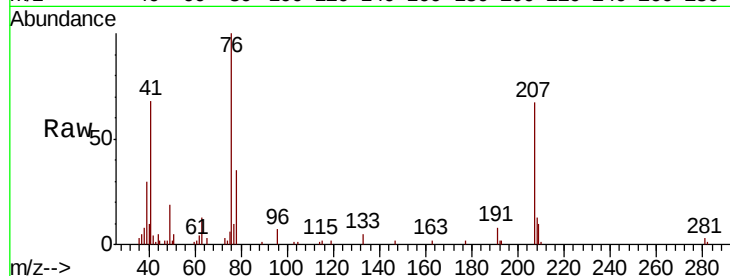
LOQ-WATER-02-QT4-2019

Tot Ion: 76 Resp: 21784

Ion Ratio Lower Upper

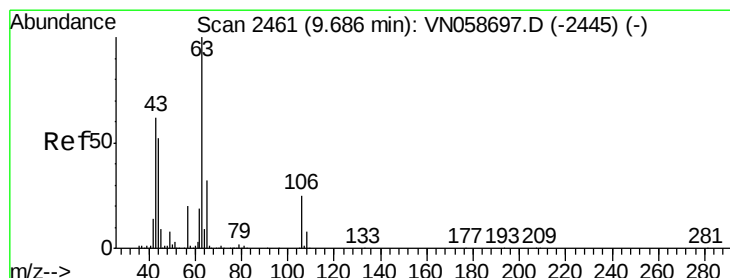
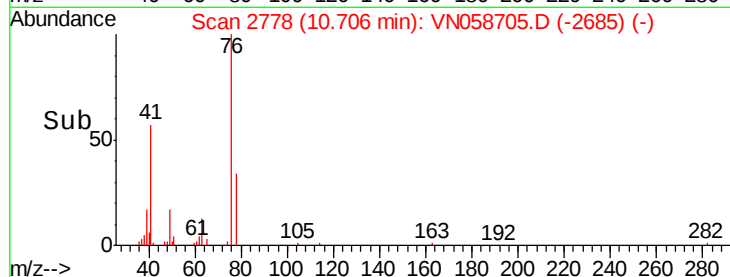
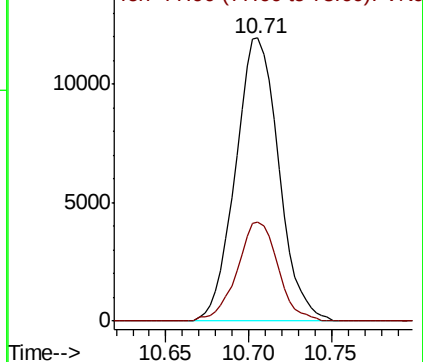
76 100

78 33.1 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: 10.596 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058705.D

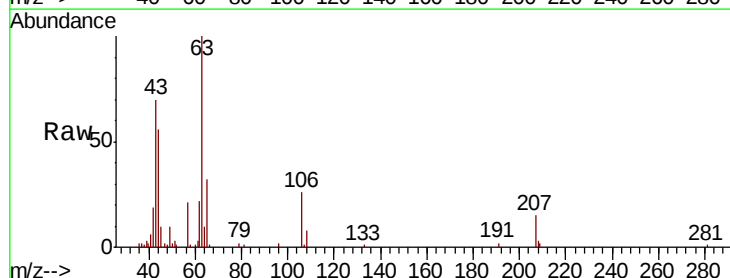
Acq: 11 Oct 2019 15:58

Tgt Ion: 63 Resp: 37680

Ion Ratio Lower Upper

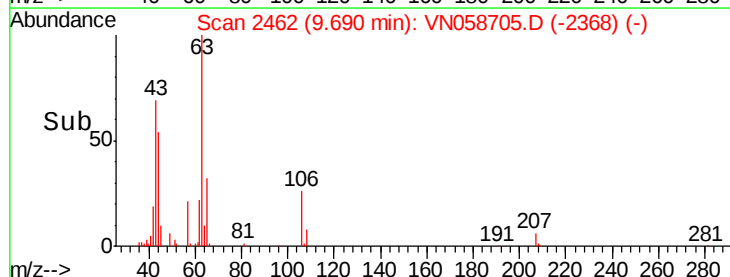
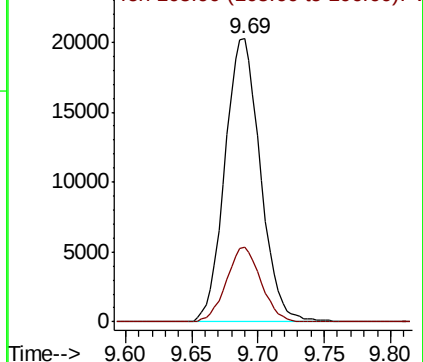
63 100

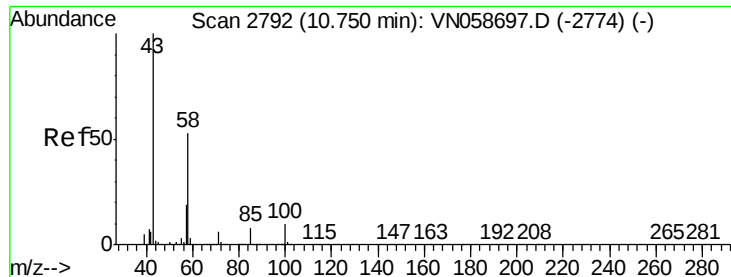
106 25.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

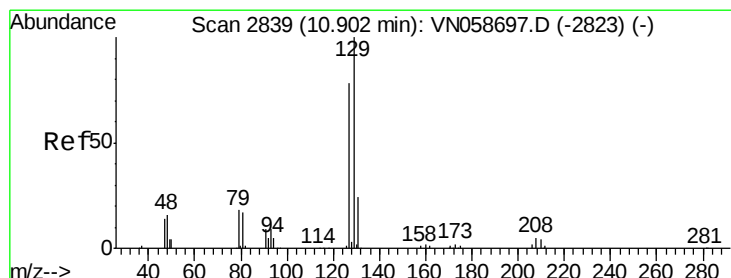
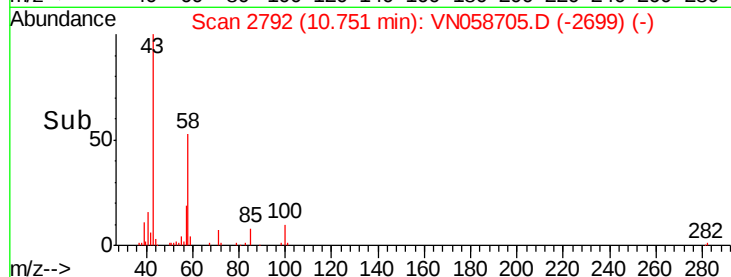
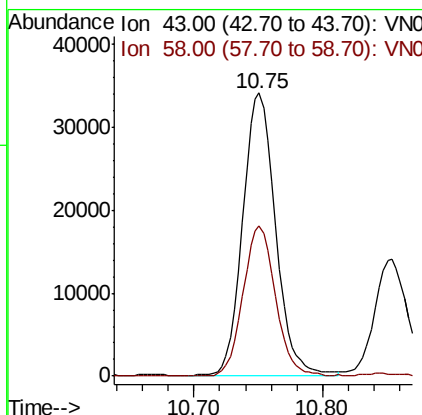
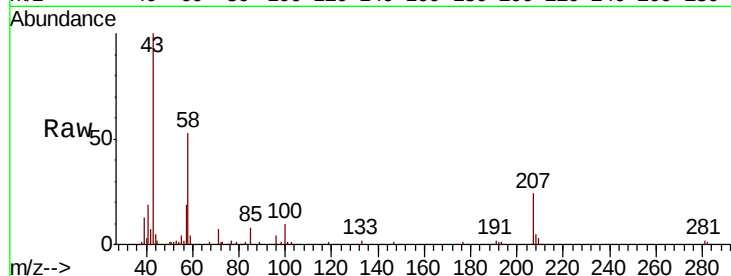




#59  
2-Hexanone  
Concen: 11.596 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

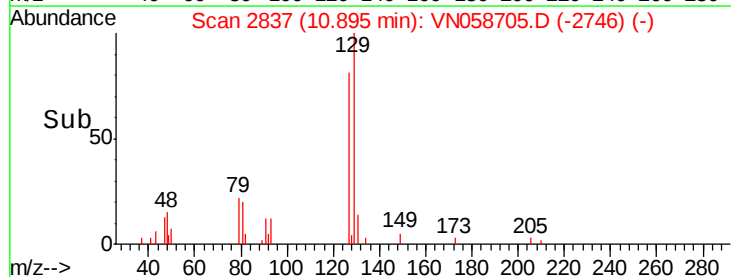
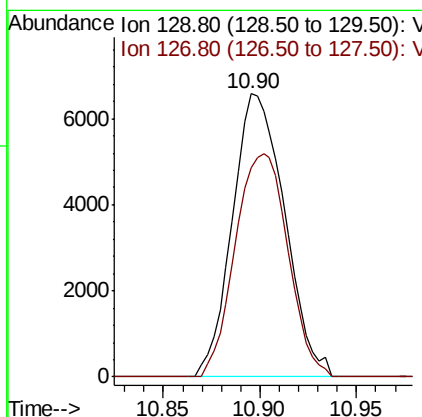
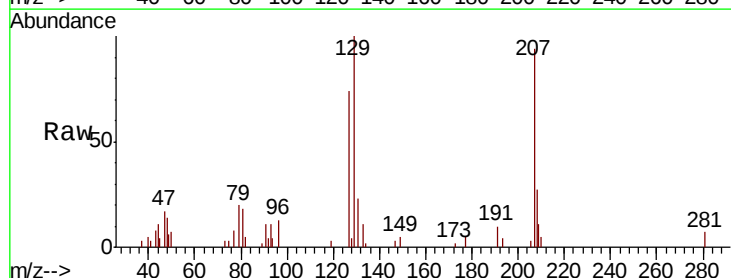
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 60916  
Ion Ratio Lower Upper  
43 100  
58 52.0 26.1 78.3



#60  
Dibromochloromethane  
Concen: 2.370 ug/l  
RT: 10.90 min Scan# 2837  
Delta R.T. -0.01 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 129 Resp: 12346  
Ion Ratio Lower Upper  
129 100  
127 79.5 38.5 115.3

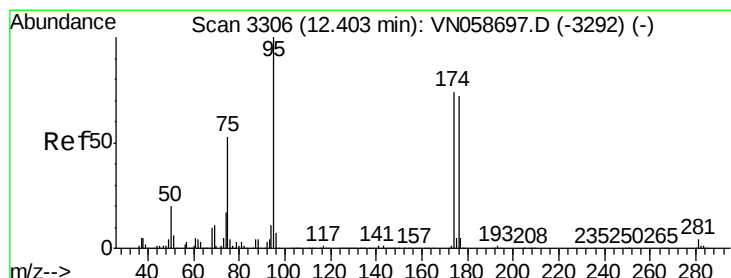
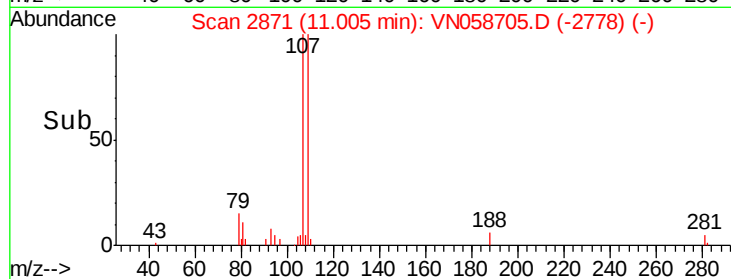
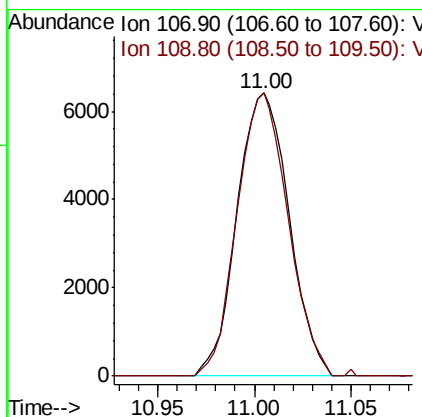
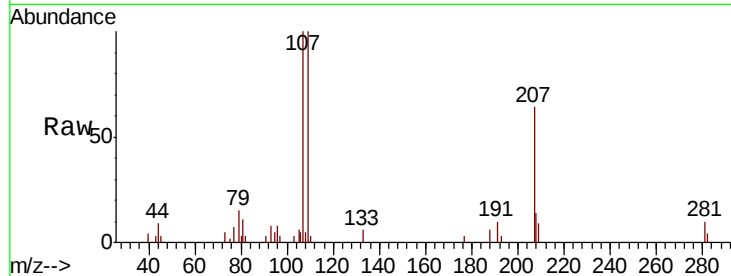




#61  
 1,2-Dibromoethane  
 Concen: 2.369 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

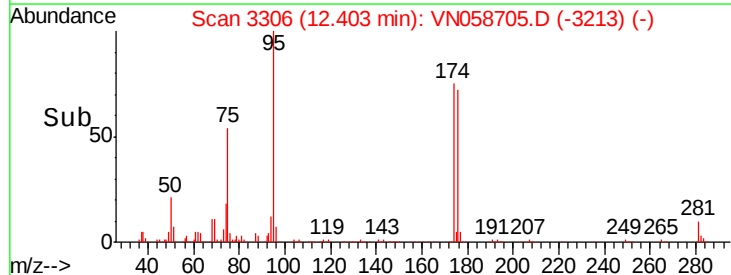
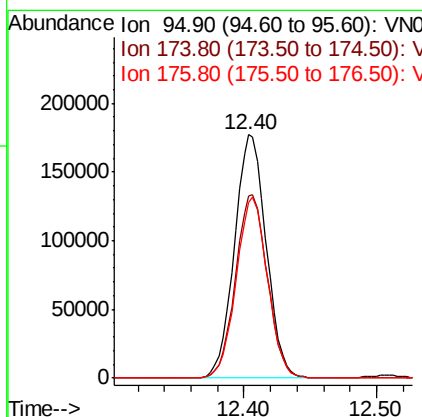
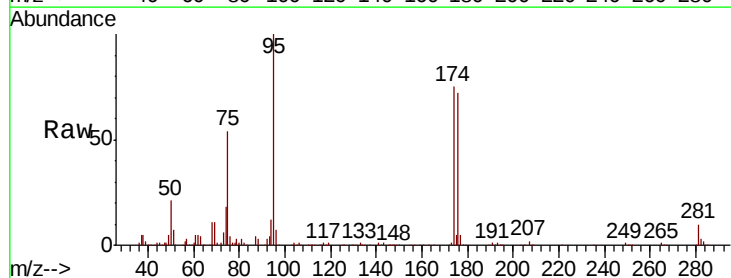
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

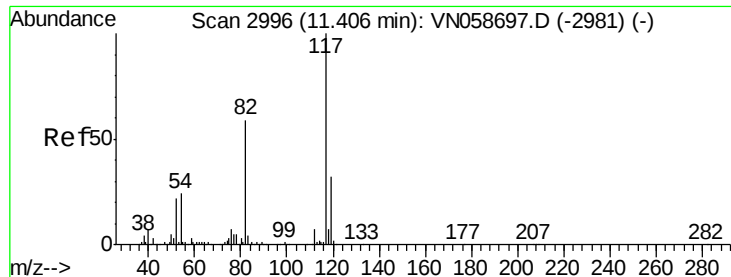
Tot Ion: 107 Resp: 11989  
 Ion Ratio Lower Upper  
 107 100  
 109 98.1 75.4 113.0



#62  
 4-Bromofluorobenzene  
 Concen: 45.268 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

Tgt Ion: 95 Resp: 294080  
 Ion Ratio Lower Upper  
 95 100  
 174 75.6 0.0 150.4  
 176 73.5 0.0 146.8

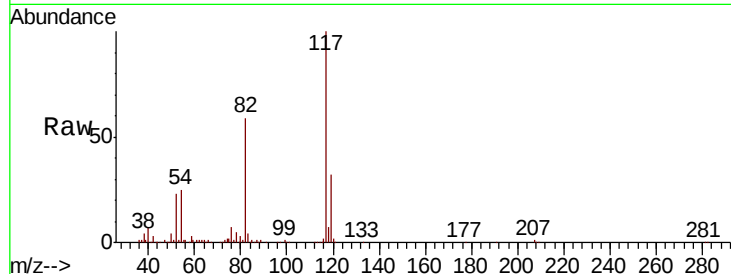




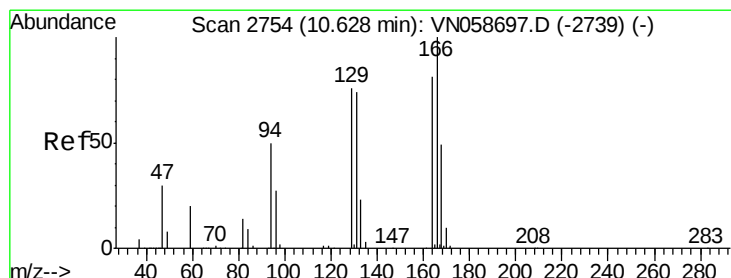
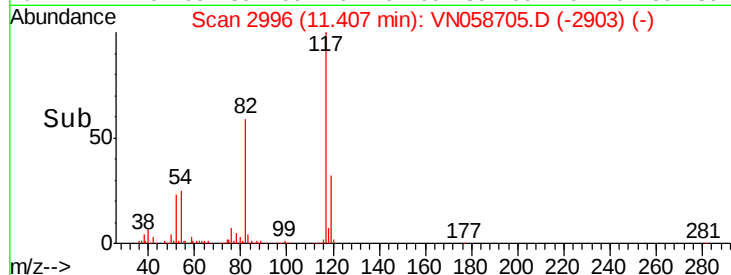
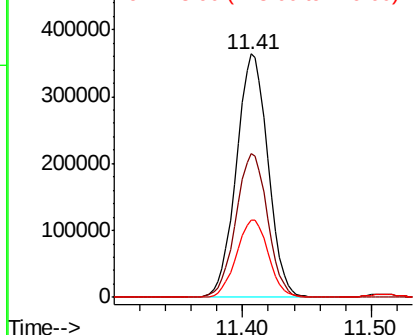
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

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

Tot Ion:117 Resp: 619168  
Ion Ratio Lower Upper  
117 100  
82 58.9 47.0 70.4  
119 31.9 25.4 38.2

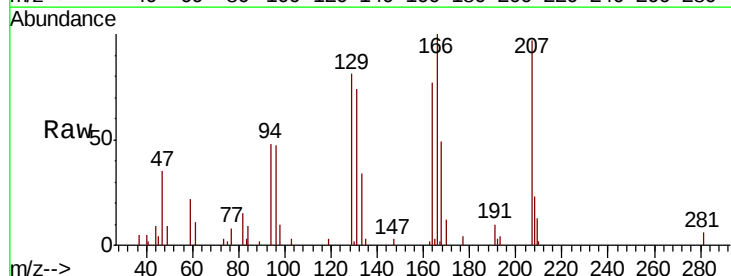


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

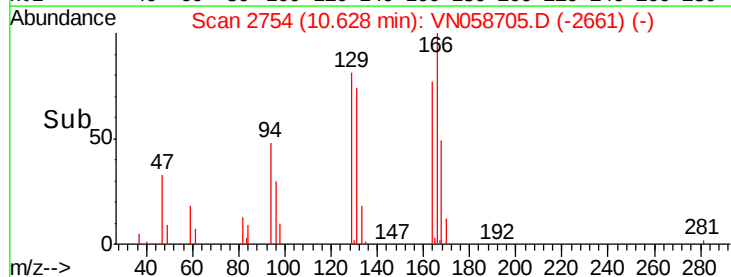
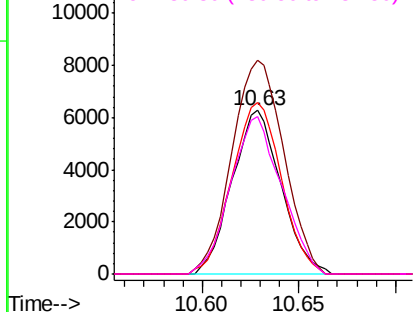


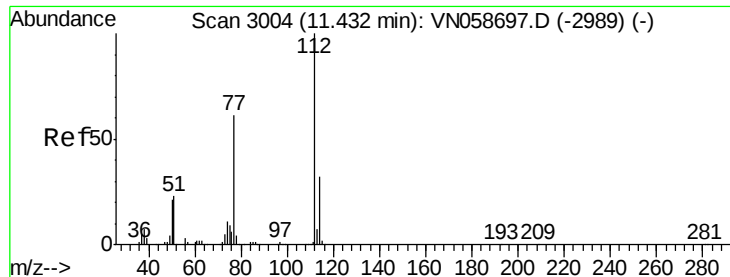
#64  
Tetrachloroethene  
Concen: 2.540 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion:164 Resp: 11004  
Ion Ratio Lower Upper  
164 100  
166 130.5 99.3 148.9  
129 105.0 75.2 112.8  
131 96.1 73.0 109.4



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

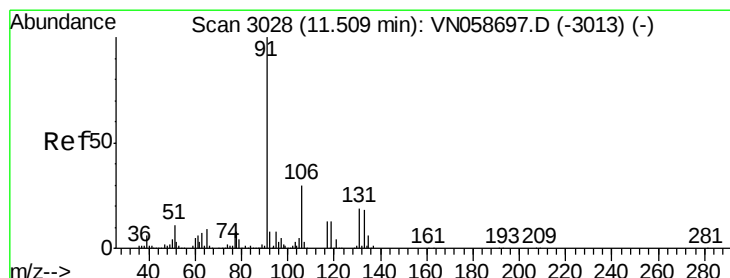
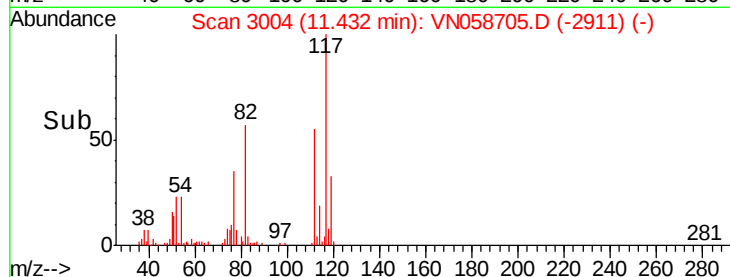
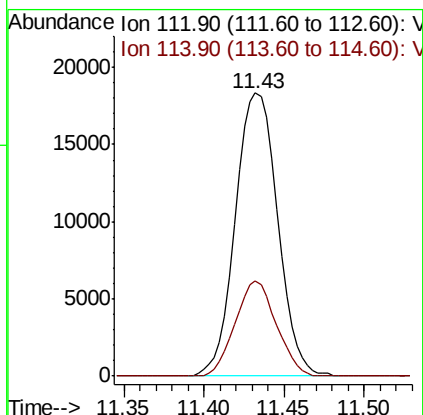
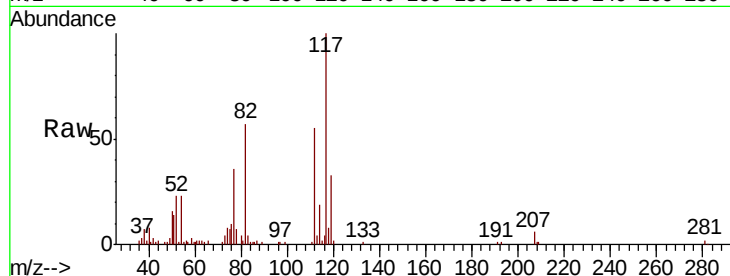




#65  
Chlorobenzene  
Concen: 2.627 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

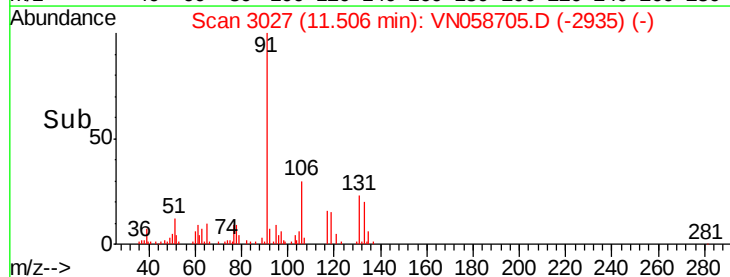
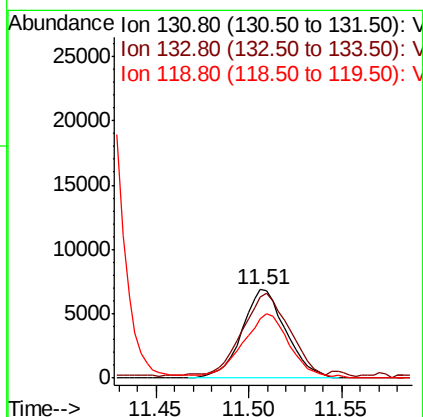
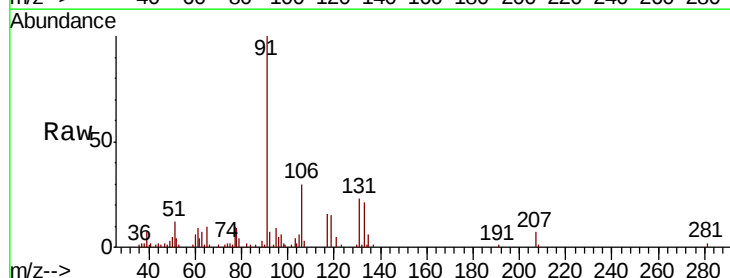
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

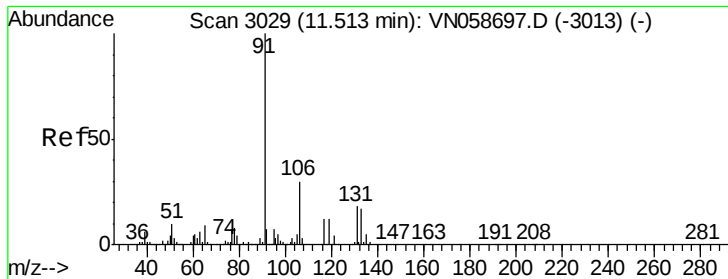
Tot Ion:112 Resp: 33035  
Ion Ratio Lower Upper  
112 100  
114 33.8 25.2 37.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 2.450 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion:131 Resp: 11390  
Ion Ratio Lower Upper  
131 100  
133 99.9 47.6 142.9  
119 78.2 33.0 98.9

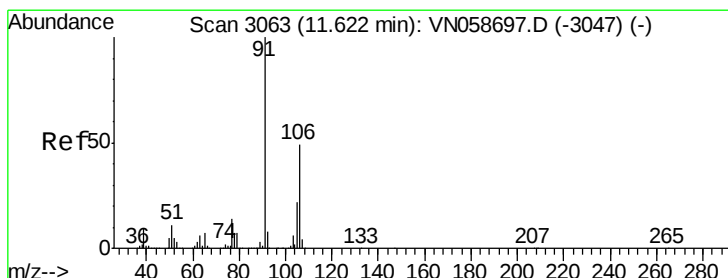
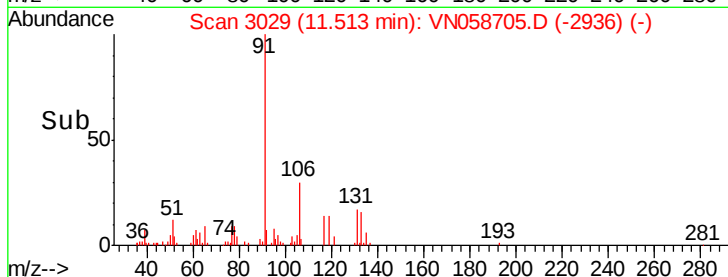
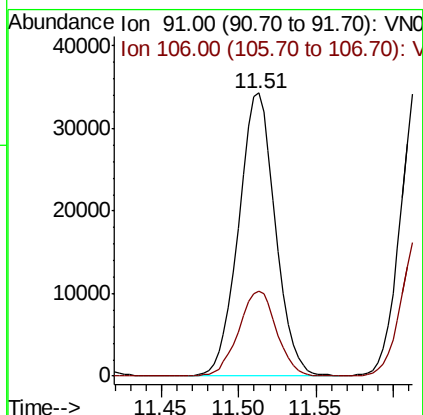
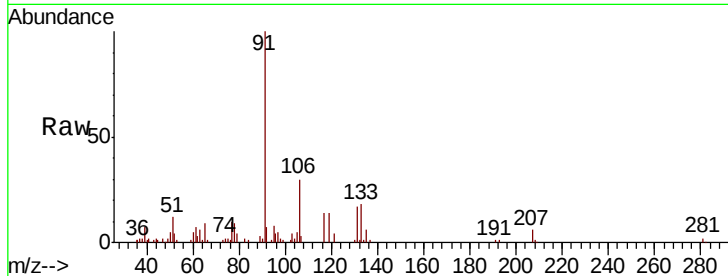




#67  
Ethyl Benzene  
Concen: 2.523 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

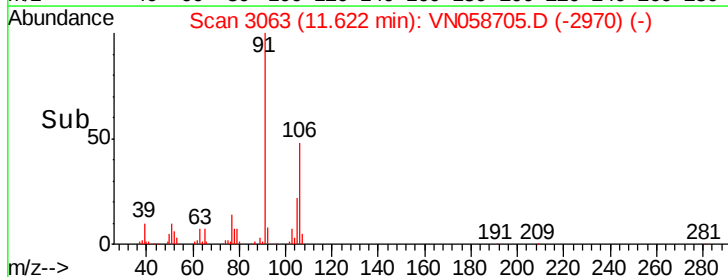
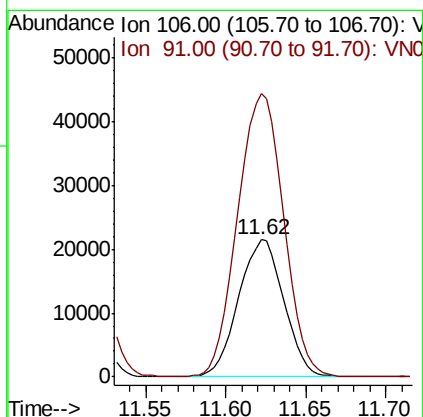
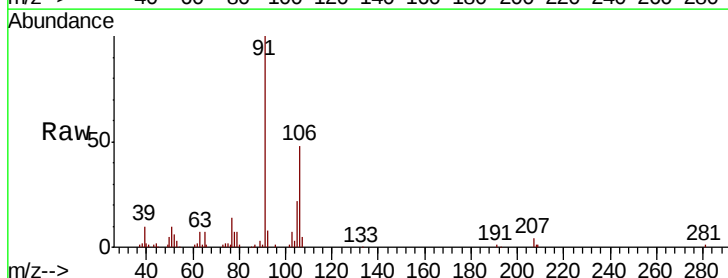
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 56554  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.1 36.1



#68  
m/p-Xylenes  
Concen: 4.924 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion: 106 Resp: 41420  
Ion Ratio Lower Upper  
106 100  
91 210.8 165.7 248.5

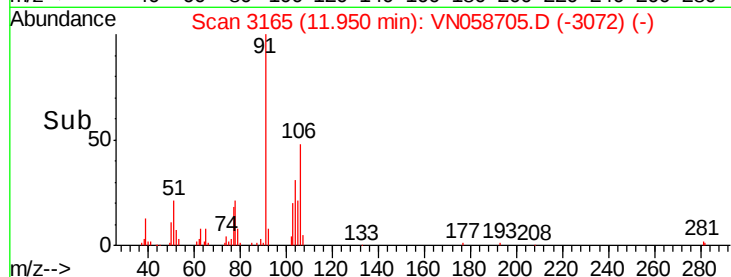
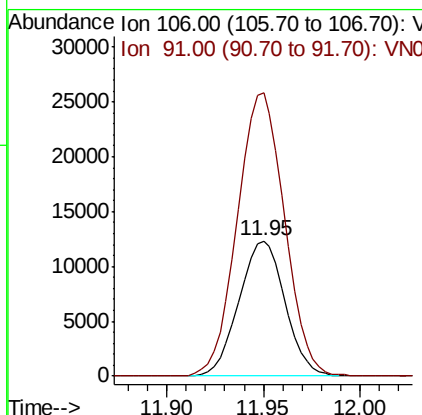
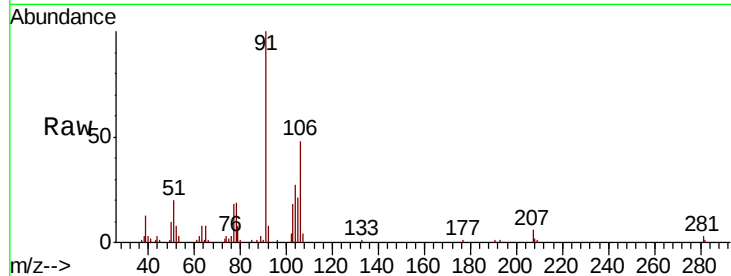




#69  
o-Xylene  
Concen: 2.503 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

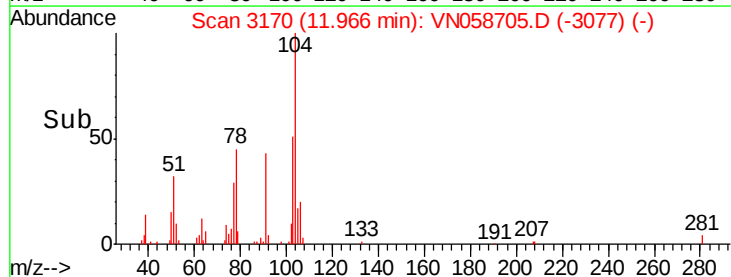
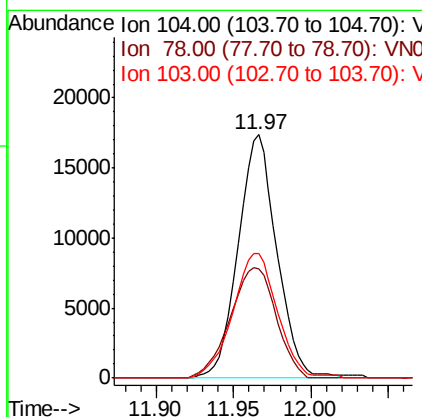
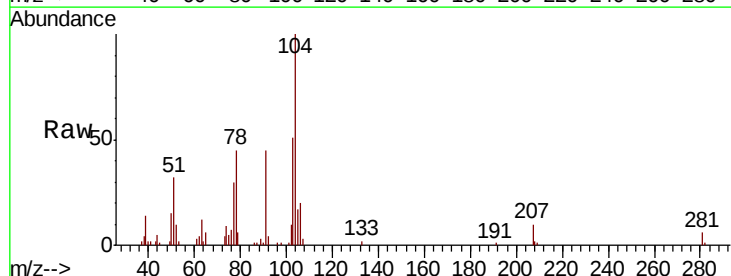
Instrument :  
MSVOA\_N  
ClientSampleId :  
LOQ-WATER-02-QT4-2019

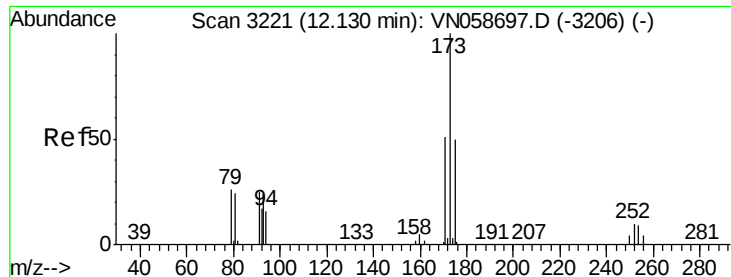
Tot Ion:106 Resp: 20372  
Ion Ratio Lower Upper  
106 100  
91 215.2 110.9 332.9



#70  
Styrene  
Concen: 2.259 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN058705.D  
Acq: 11 Oct 2019 15:58

Tgt Ion:104 Resp: 30133  
Ion Ratio Lower Upper  
104 100  
78 53.9 42.2 63.2  
103 58.8 43.7 65.5





#71

Bromoform

Concen: 2.359 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

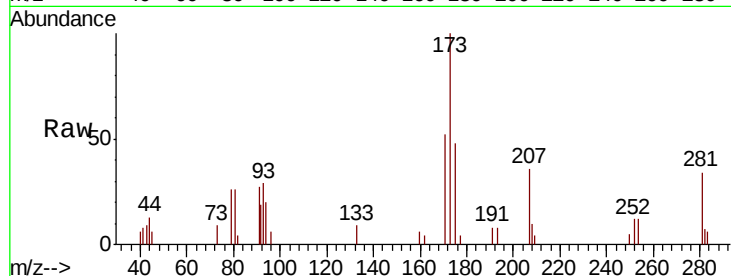
Tot Ion:173 Resp: 8038

Ion Ratio Lower Upper

173 100

175 47.1 24.6 73.8

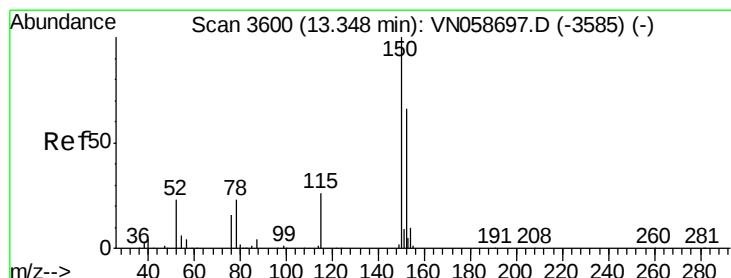
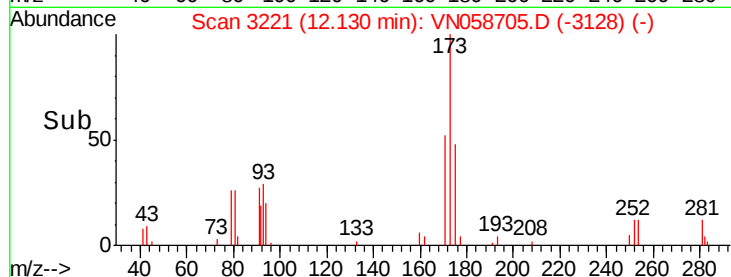
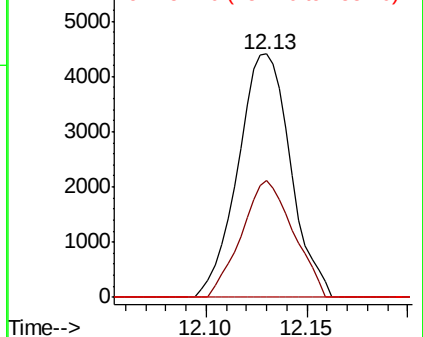
254 0.0 0.1 0.1#



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: VN058705.D

Acq: 11 Oct 2019 15:58

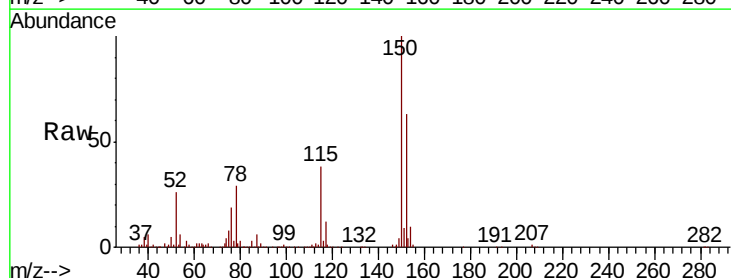
Tgt Ion:152 Resp: 273308

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.2

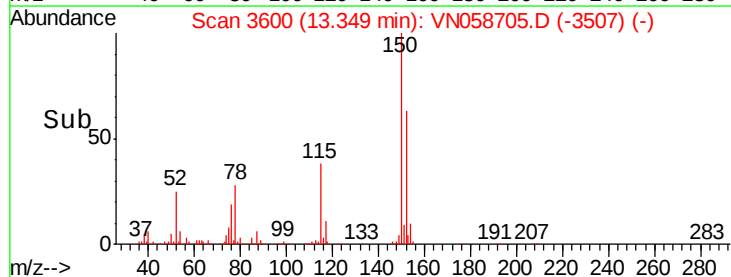
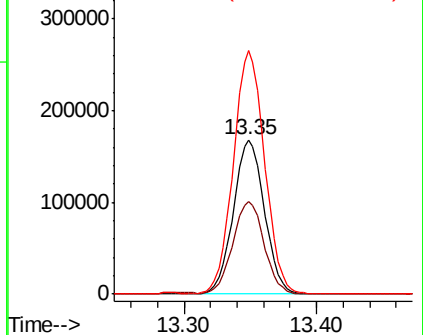
150 158.3 0.0 345.4

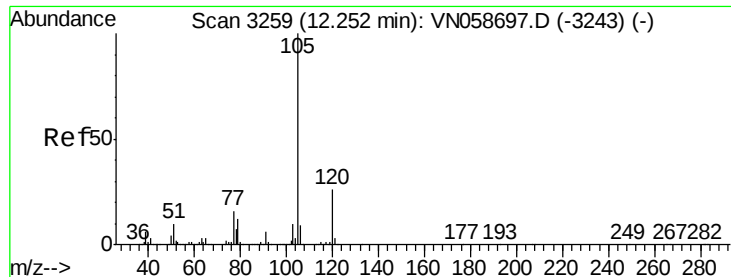


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.631 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

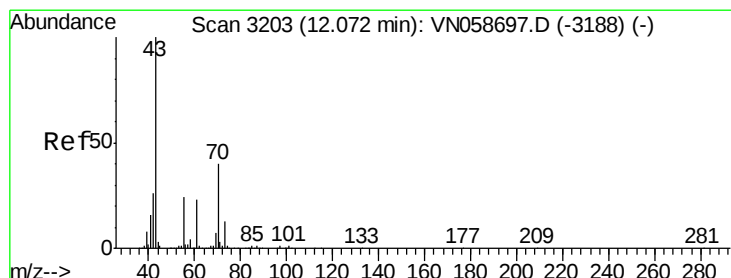
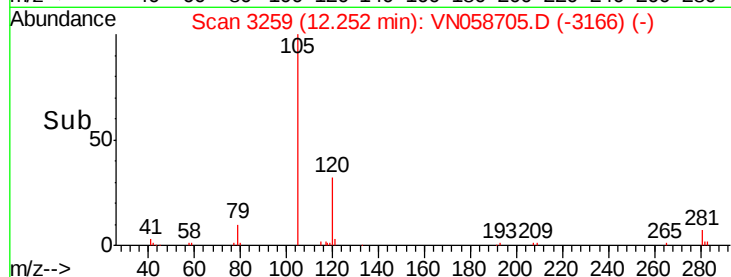
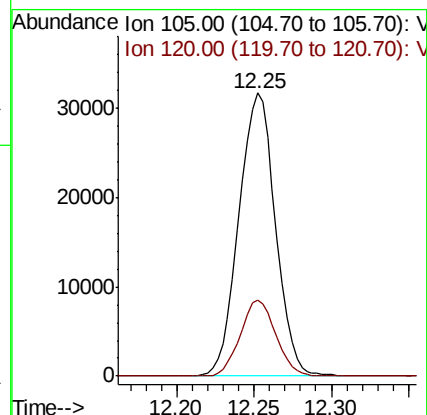
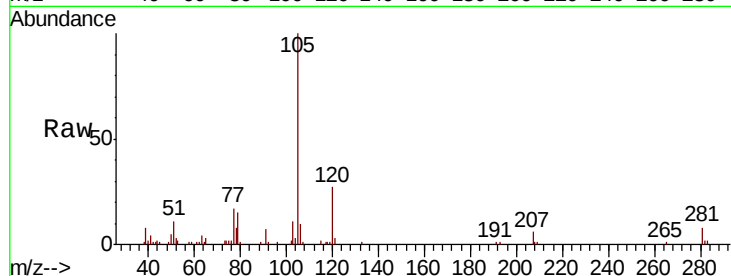
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 52070

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#74

N-ethyl acetate

Concen: 2.394 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Tgt Ion: 43 Resp: 21284

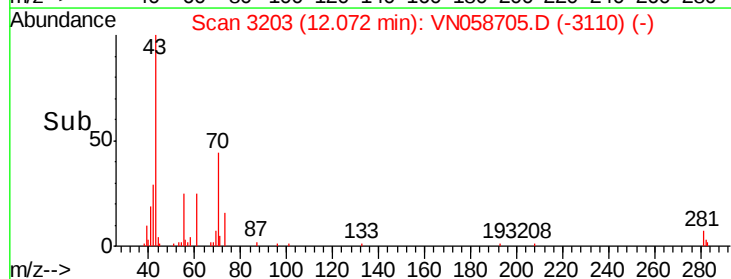
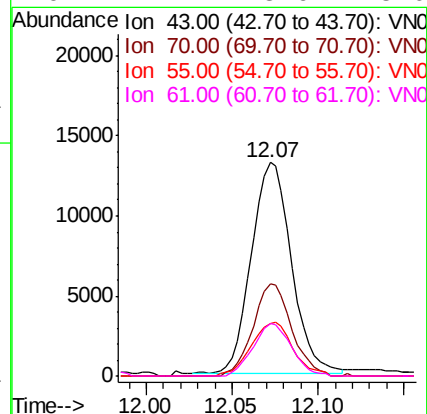
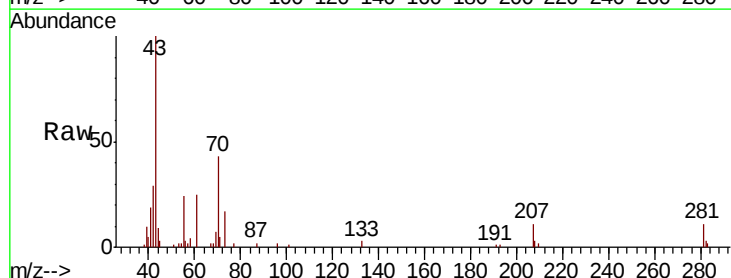
Ion Ratio Lower Upper

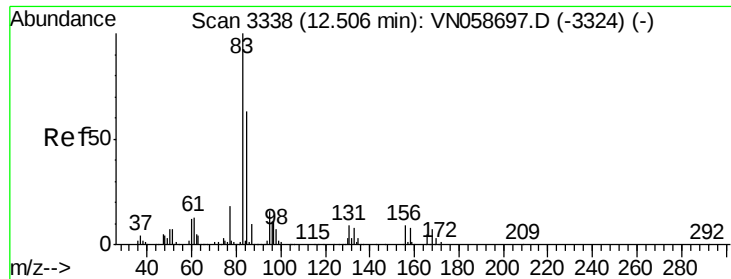
43 100

70 41.9 32.2 48.4

55 26.4 19.6 29.4

61 24.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.800 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

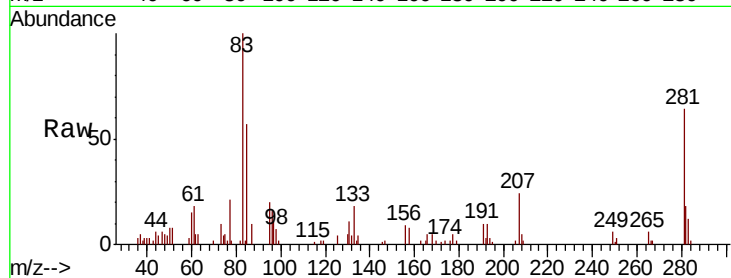
Tot Ion: 83 Resp: 18260

Ion Ratio Lower Upper

83 100

131 11.5 4.8 14.4

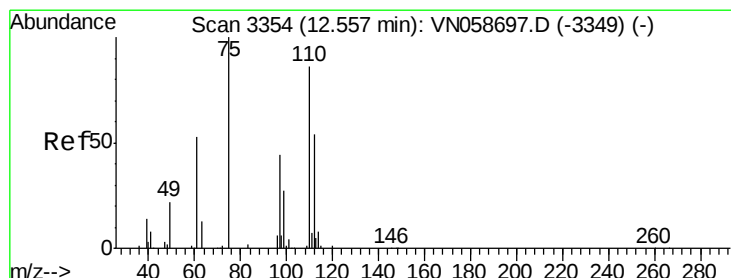
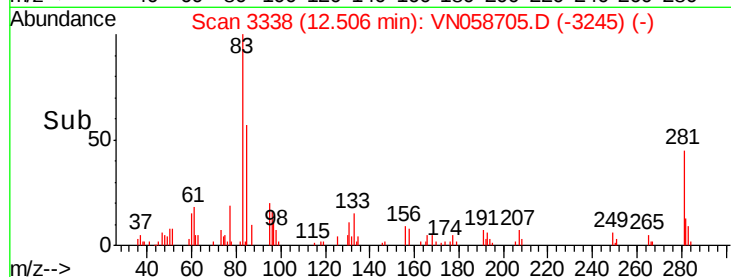
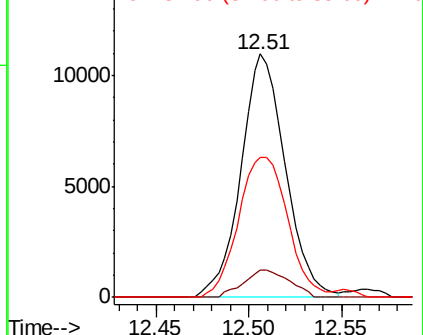
85 63.8 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 4.268 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058705.D

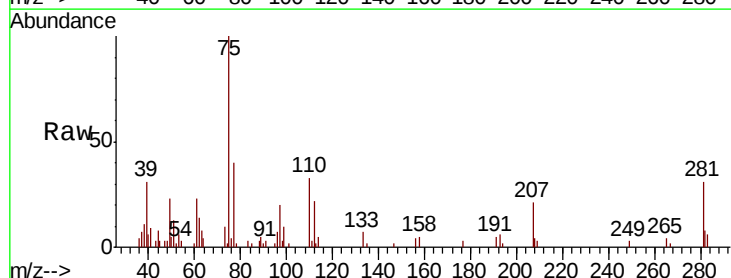
Acq: 11 Oct 2019 15:58

Tgt Ion: 75 Resp: 25587

Ion Ratio Lower Upper

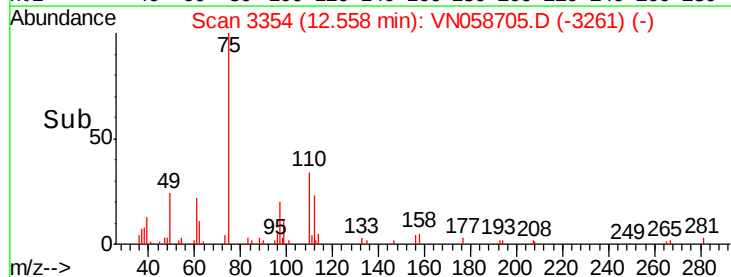
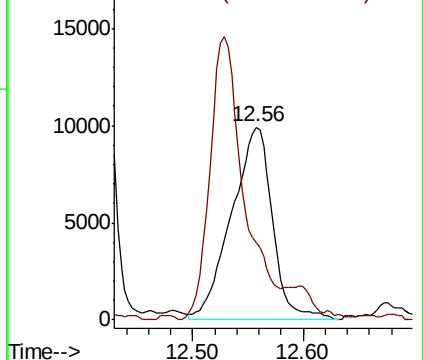
75 100

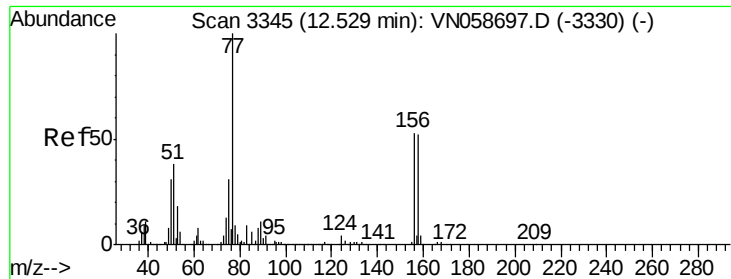
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 2.695 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

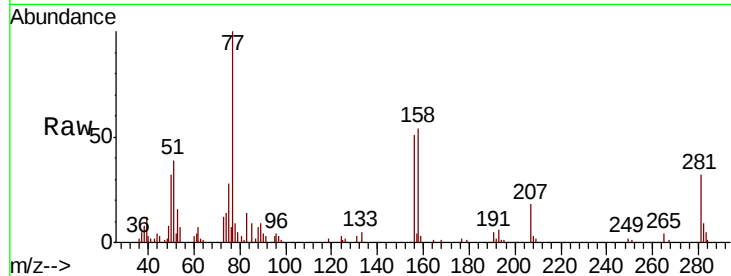
Tot Ion:156 Resp: 12975

Ion Ratio Lower Upper

156 100

77 241.0 115.8 347.3

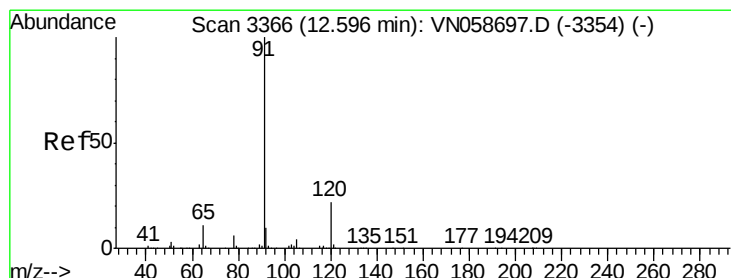
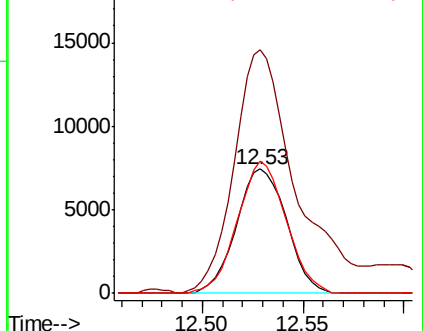
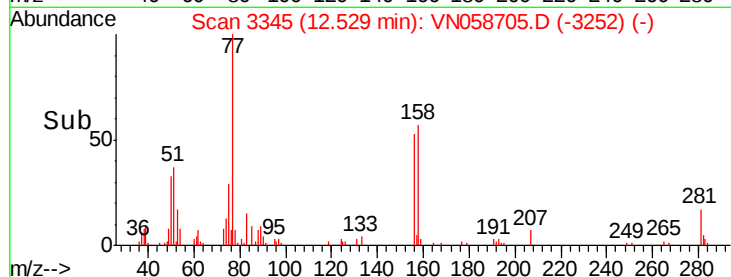
158 103.2 48.9 146.6



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: 2.653 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058705.D

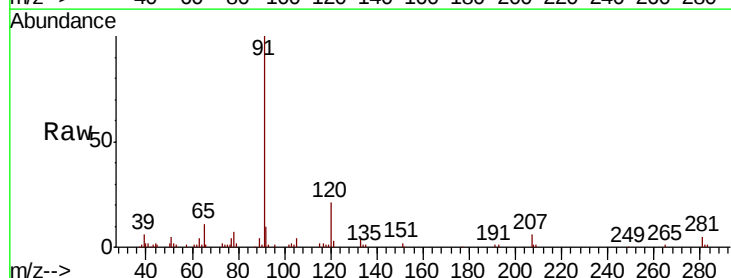
Acq: 11 Oct 2019 15:58

Tgt Ion: 91 Resp: 61194

Ion Ratio Lower Upper

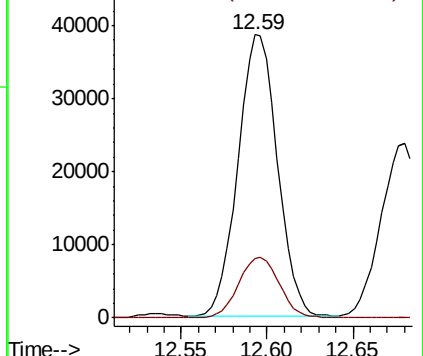
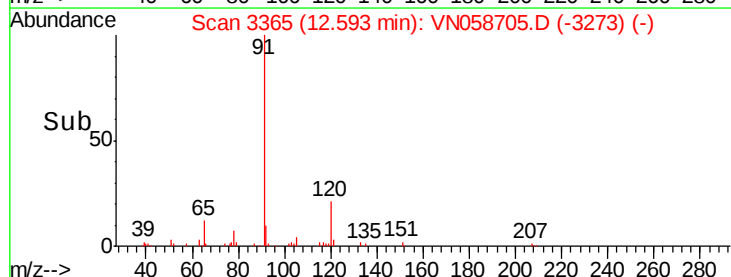
91 100

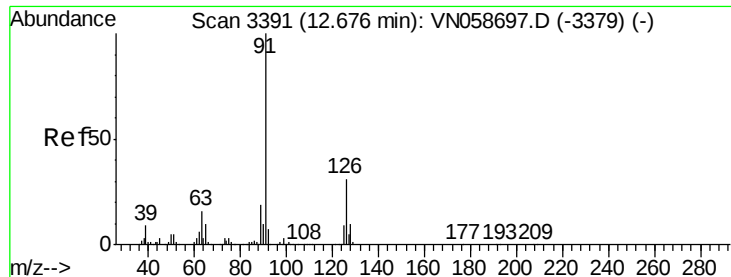
120 22.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.723 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

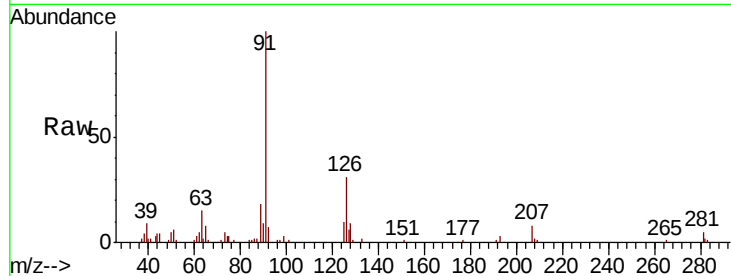
LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 38988

Ion Ratio Lower Upper

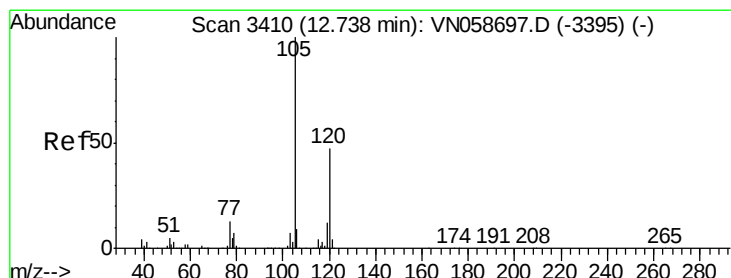
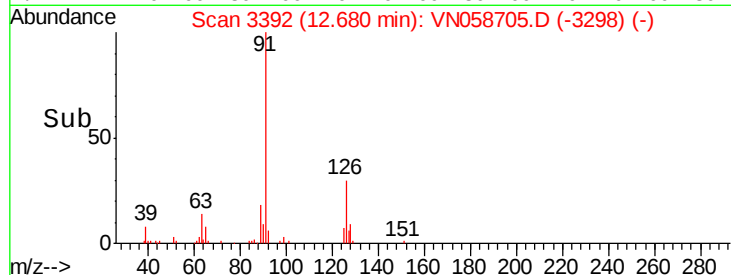
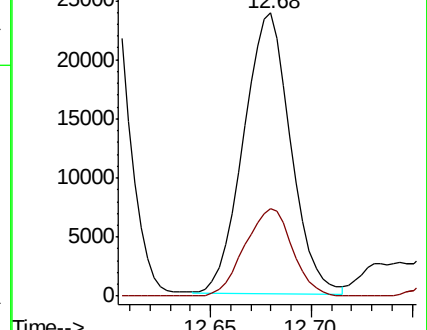
91 100

126 31.3 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: 2.635 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058705.D

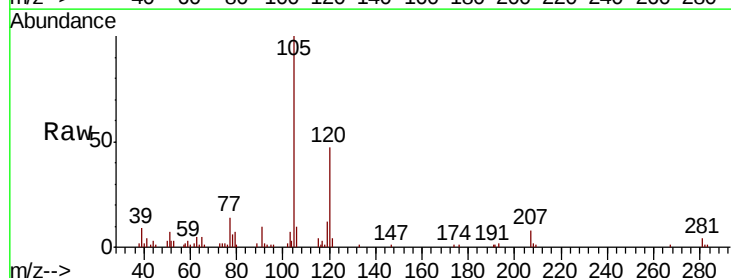
Acq: 11 Oct 2019 15:58

Tgt Ion: 105 Resp: 44534

Ion Ratio Lower Upper

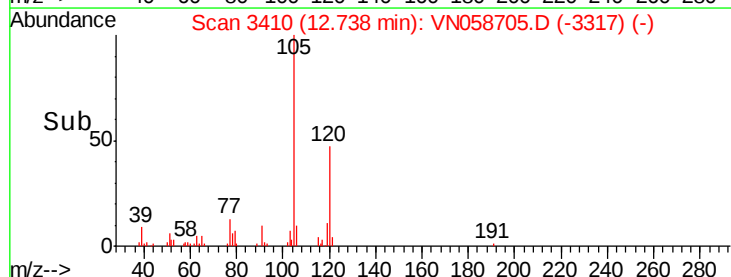
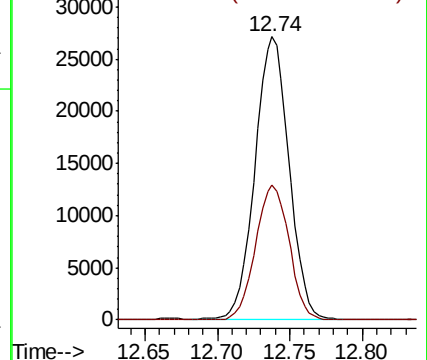
105 100

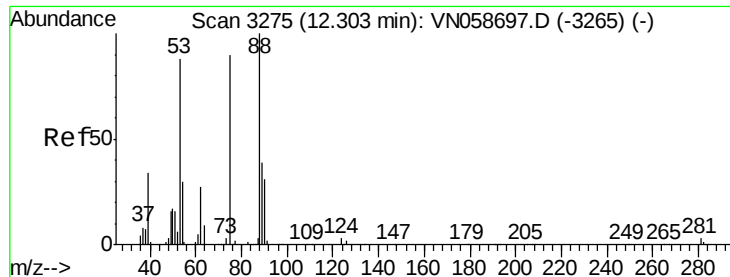
120 46.6 23.4 70.2



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: 2.315 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

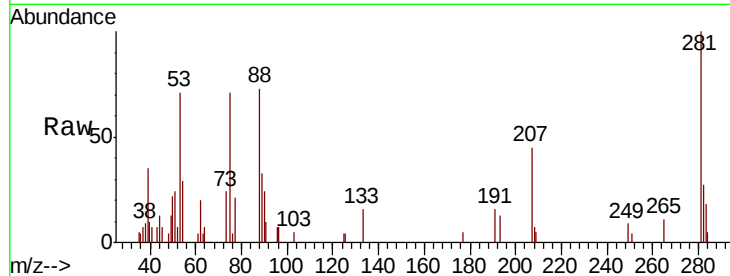
Tot Ion: 75 Resp: 5181

Ion Ratio Lower Upper

75 100

53 116.3 78.4 117.6

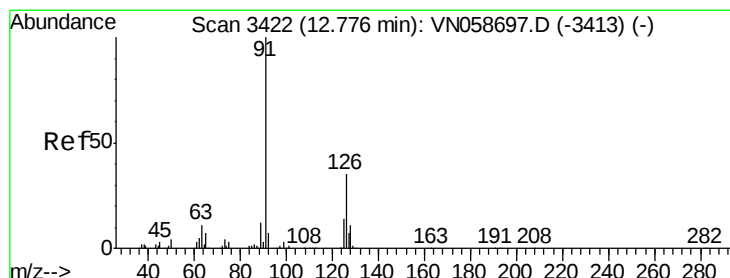
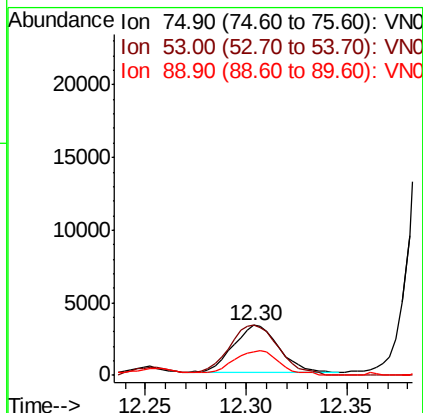
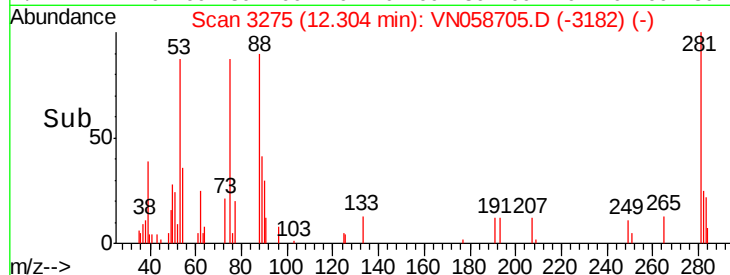
89 54.4 34.9 52.3#



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: 2.555 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058705.D

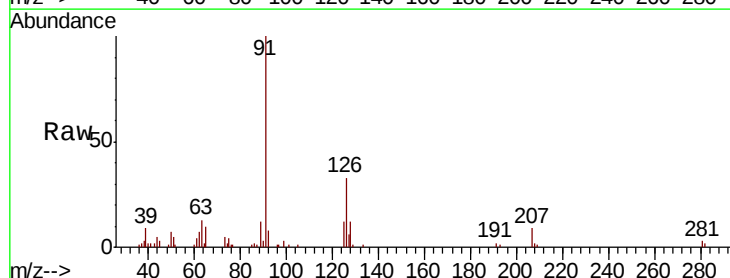
Acq: 11 Oct 2019 15:58

Tgt Ion: 91 Resp: 37533

Ion Ratio Lower Upper

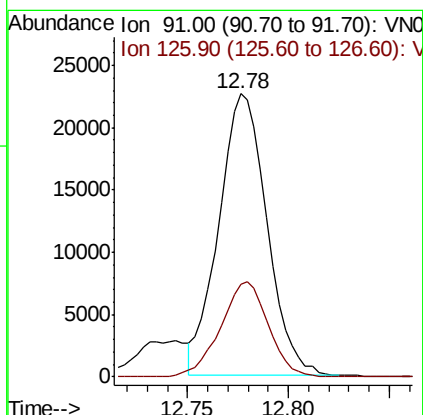
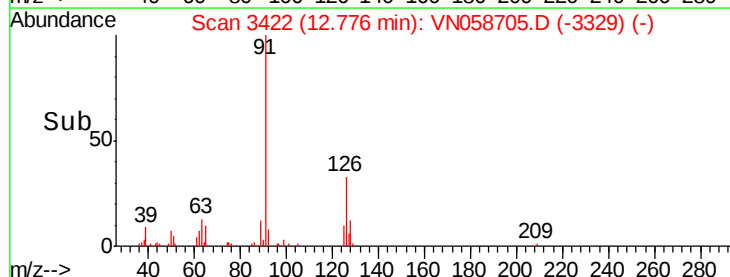
91 100

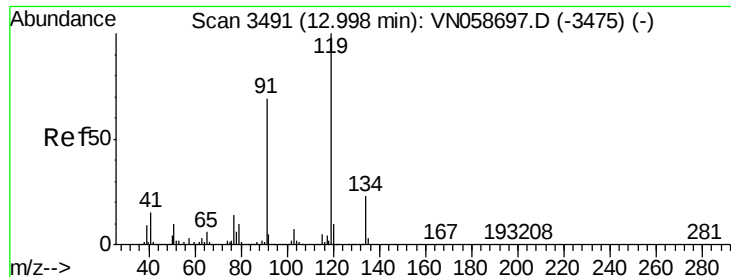
126 33.6 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.558 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

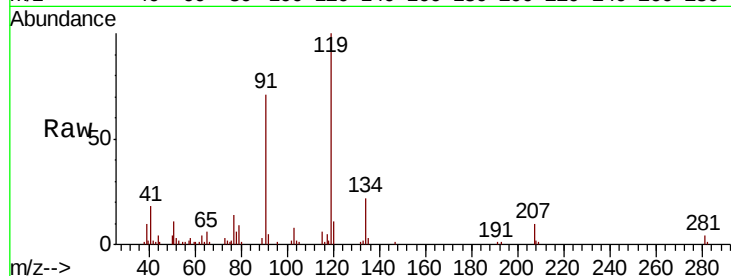
Tot Ion:119 Resp: 37026

Ion Ratio Lower Upper

119 100

91 74.0 33.8 101.3

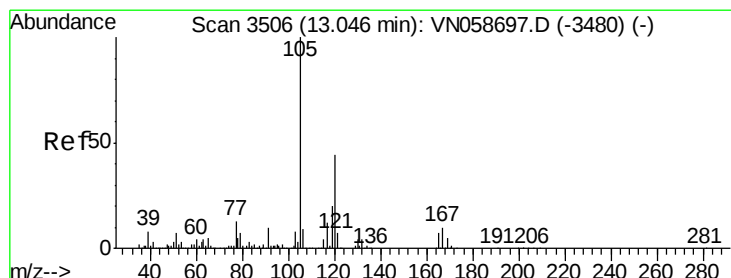
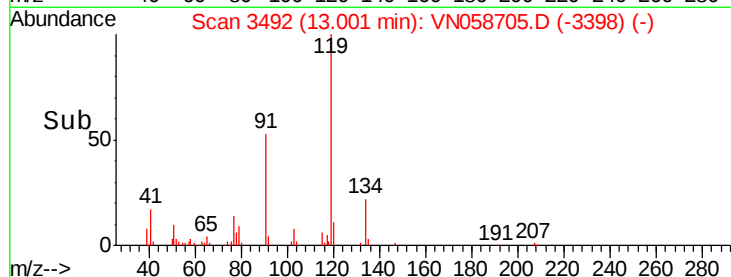
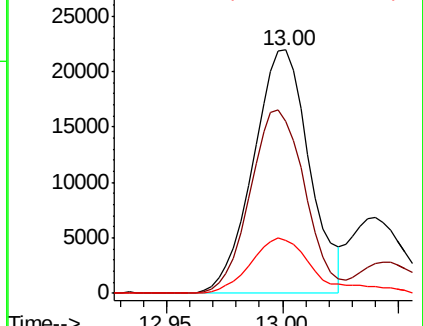
134 25.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.623 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058705.D

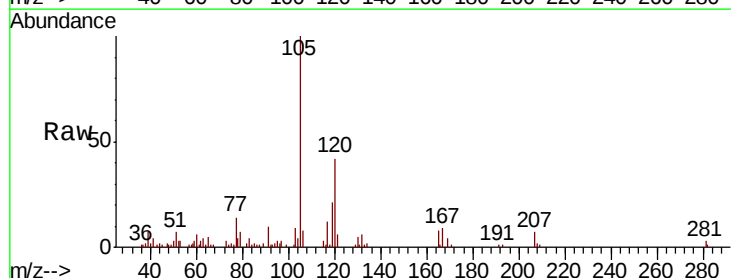
Acq: 11 Oct 2019 15:58

Tgt Ion:105 Resp: 44006

Ion Ratio Lower Upper

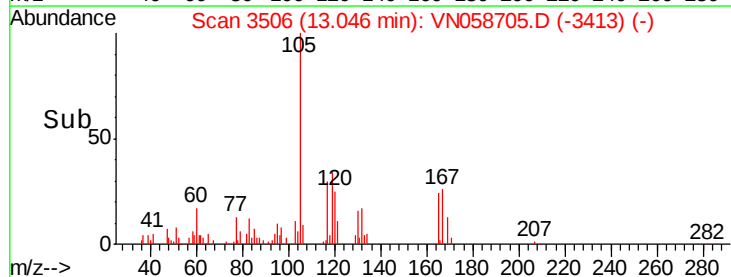
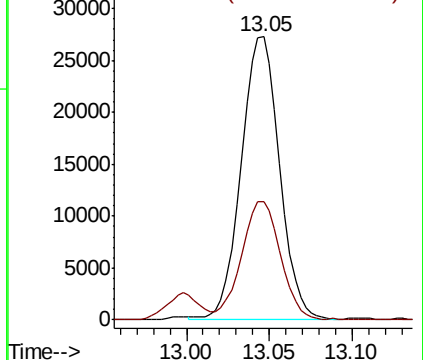
105 100

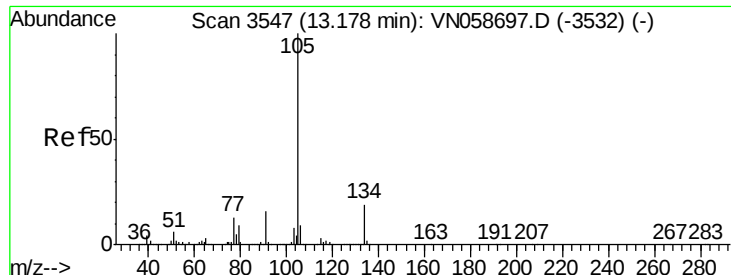
120 42.1 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.655 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

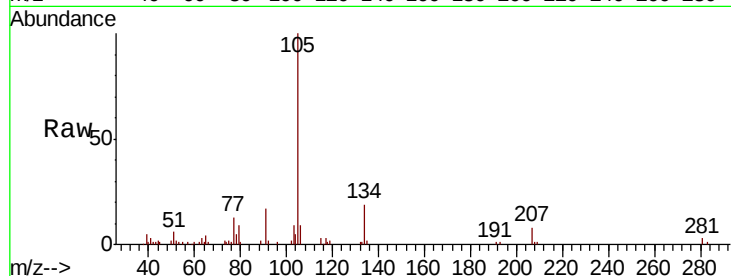
LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 50642

Ion Ratio Lower Upper

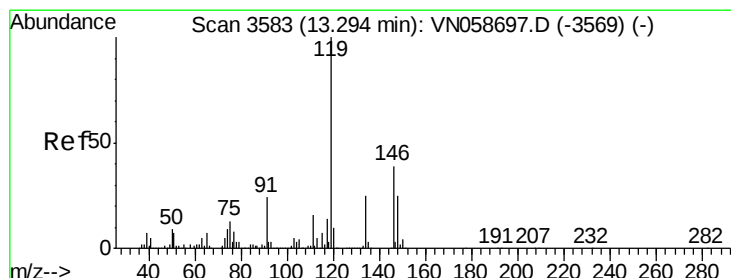
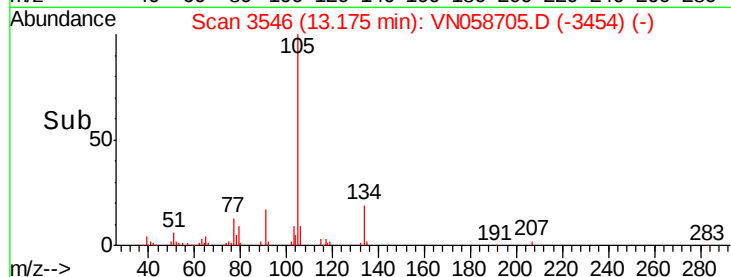
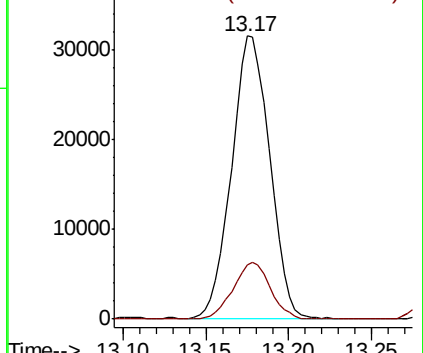
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.492 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

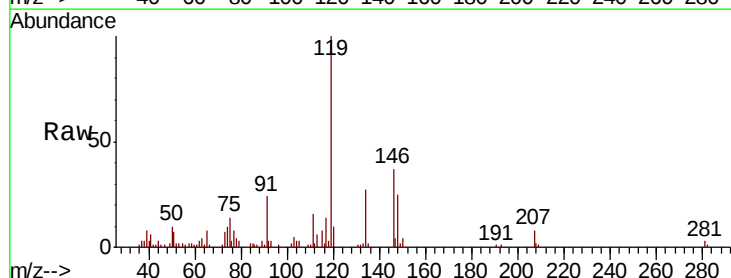
Tgt Ion:119 Resp: 43198

Ion Ratio Lower Upper

119 100

134 26.3 12.7 38.1

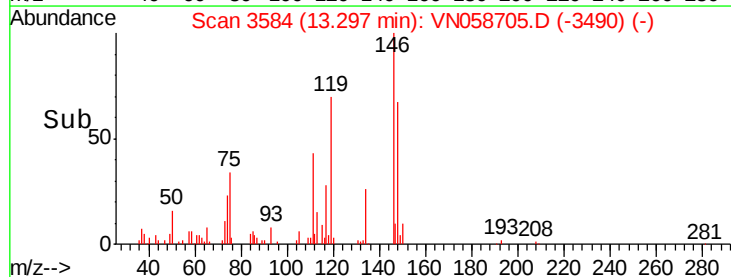
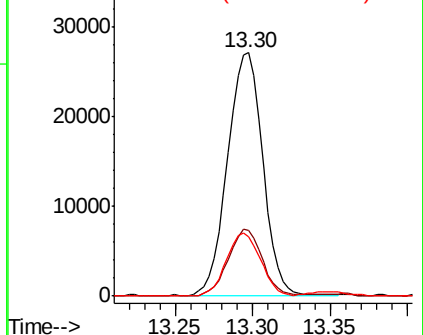
91 24.9 11.9 35.5

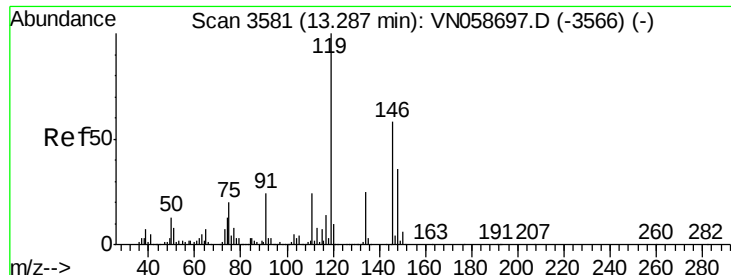


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

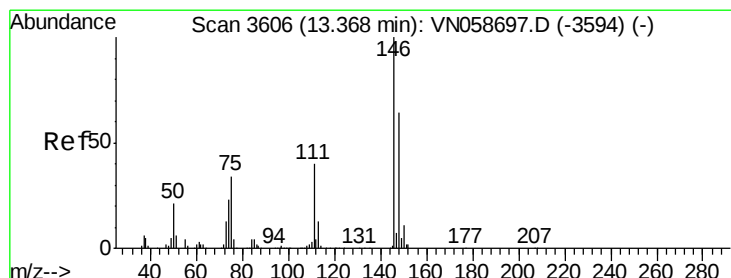
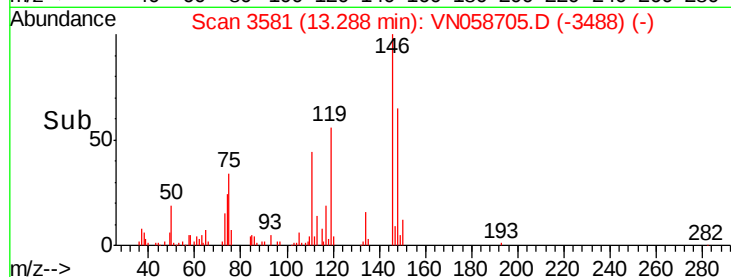
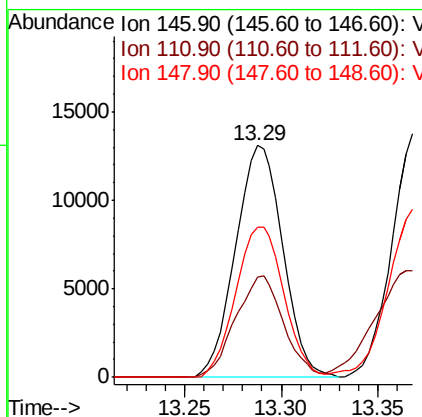
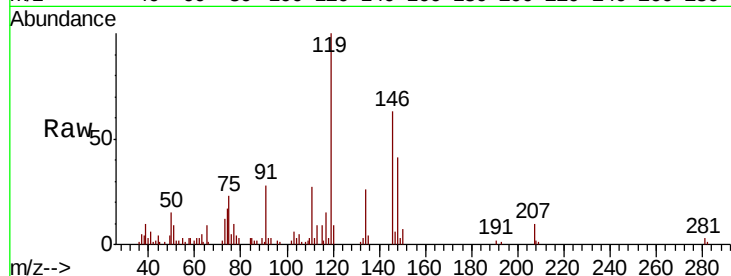




#87  
 1,3-Dichlorobenzene  
 Concen: 2.508 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

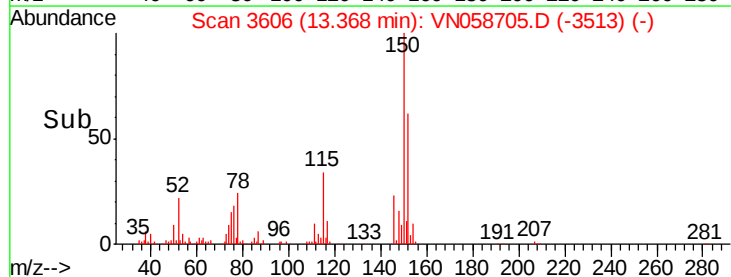
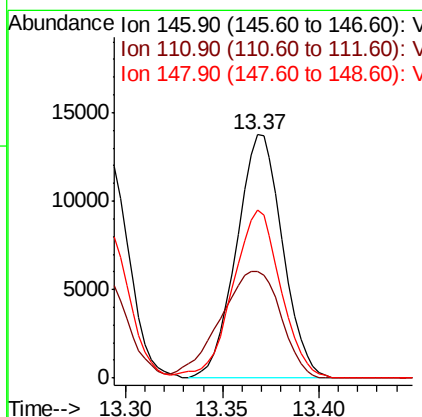
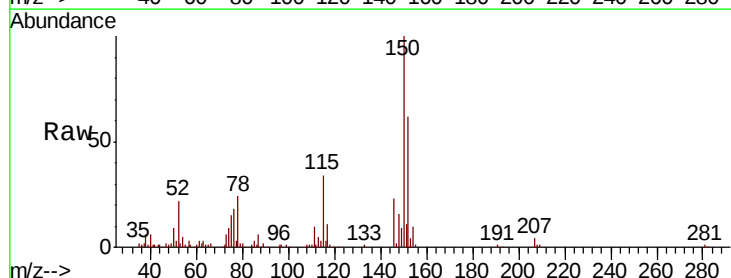
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2019

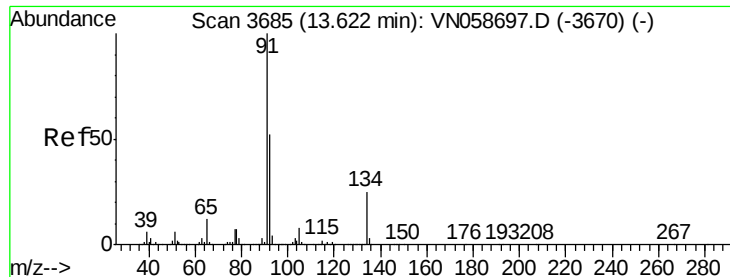
Tot Ion:146 Resp: 22271  
 Ion Ratio Lower Upper  
 146 100  
 111 44.3 20.5 61.6  
 148 65.8 31.3 93.9



#88  
 1,4-Dichlorobenzene  
 Concen: 2.528 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

Tgt Ion:146 Resp: 22825  
 Ion Ratio Lower Upper  
 146 100  
 111 58.0 20.1 60.2  
 148 71.9 31.9 95.7





#89

n-Butylbenzene

Concen: 2.402 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

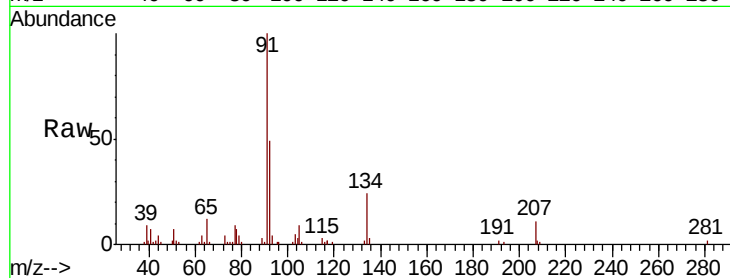
Tot Ion: 91 Resp: 38507

Ion Ratio Lower Upper

91 100

92 48.4 26.0 78.0

134 23.5 12.2 36.6

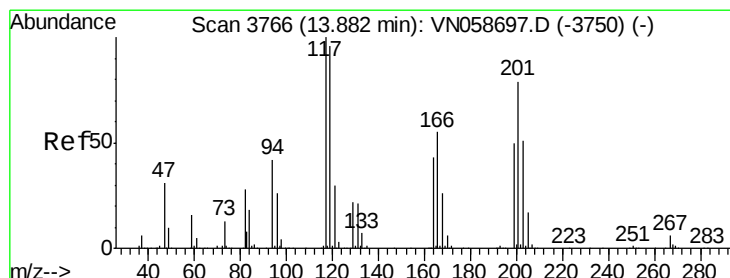
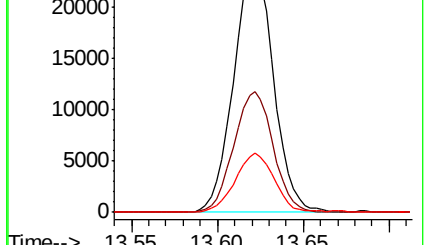
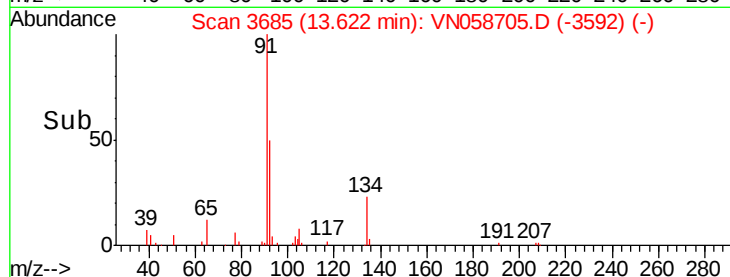


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 2.460 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058705.D

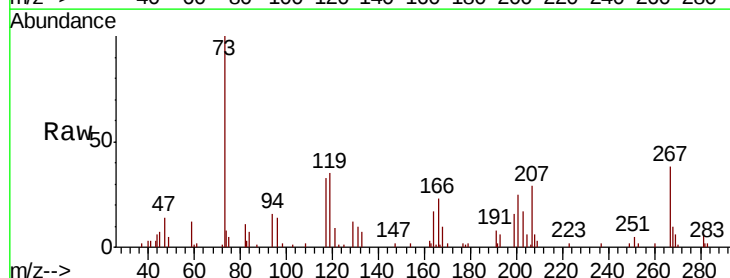
Acq: 11 Oct 2019 15:58

Tgt Ion: 117 Resp: 7630

Ion Ratio Lower Upper

117 100

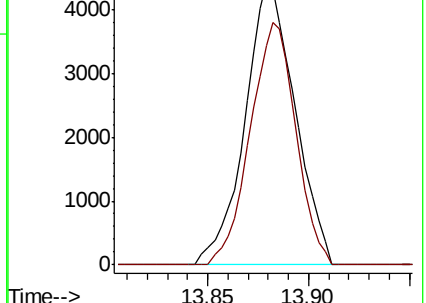
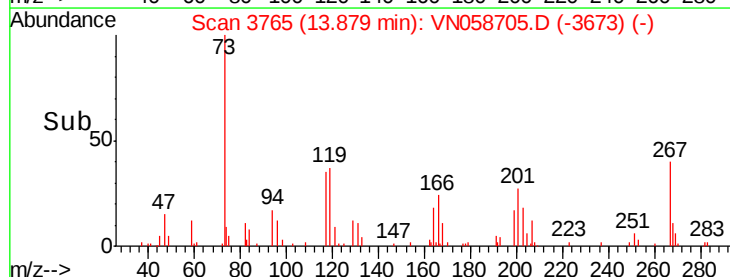
201 78.5 39.6 118.7

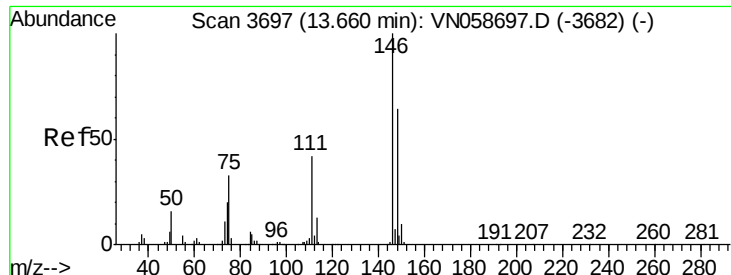


Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)

Time--> 13.85 13.90





#91

1,2-Dichlorobenzene

Concen: 2.632 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

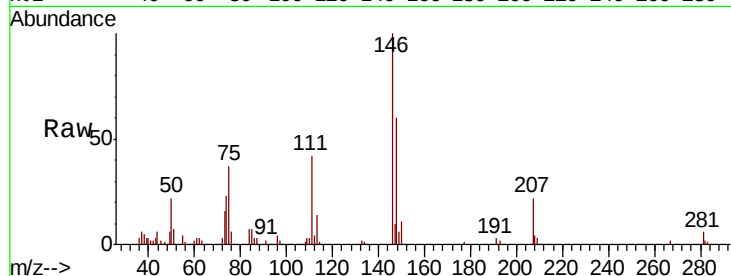
Tot Ion:146 Resp: 22779

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.4

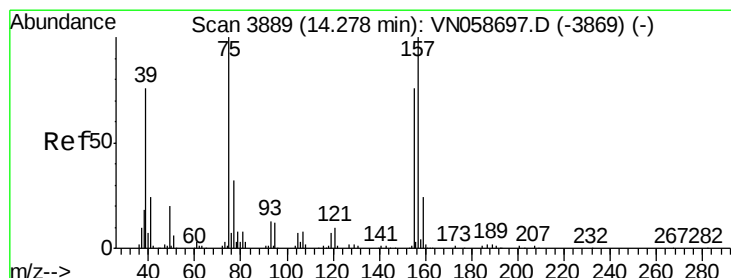
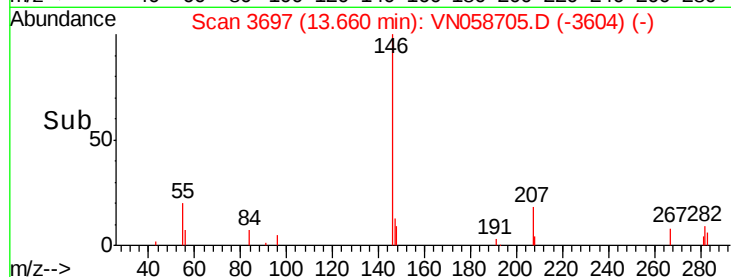
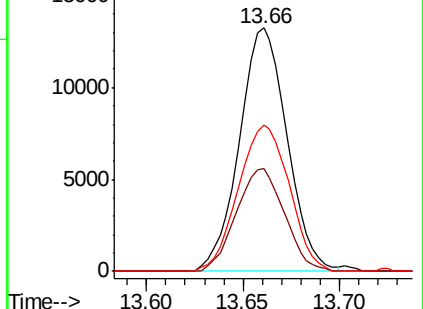
148 63.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.782 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

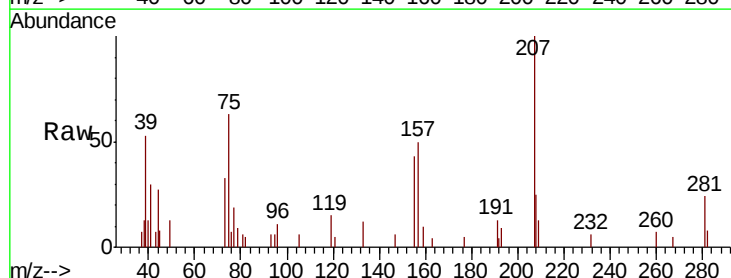
Tgt Ion: 75 Resp: 4238

Ion Ratio Lower Upper

75 100

155 68.8 37.9 113.6

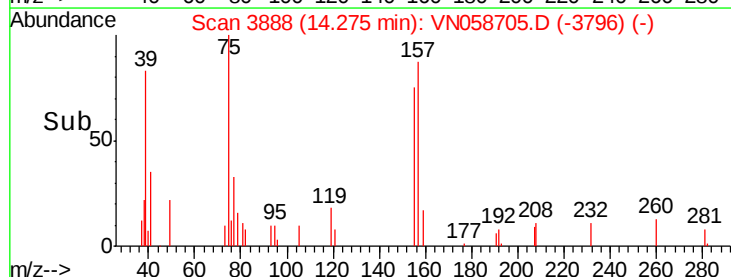
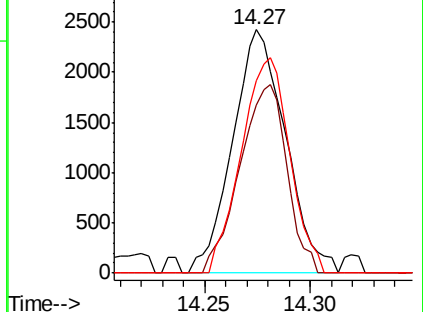
157 80.9 49.4 148.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

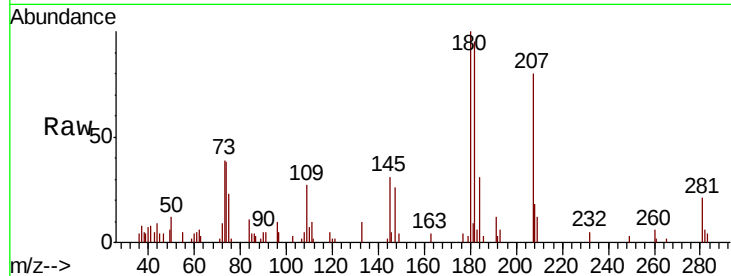




#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.375 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.8  | 47.4  | 142.2 |
| 145     | 30.7  | 15.4  | 46.2  |

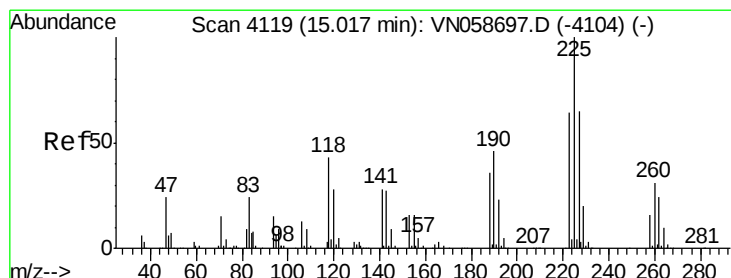
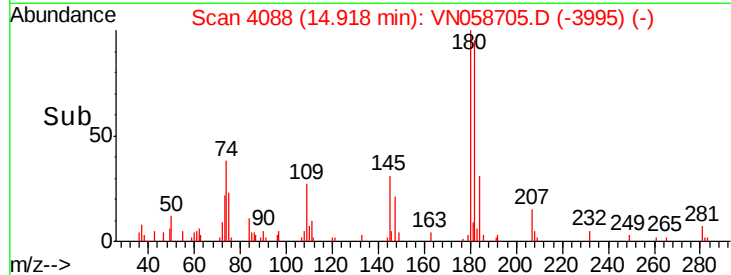
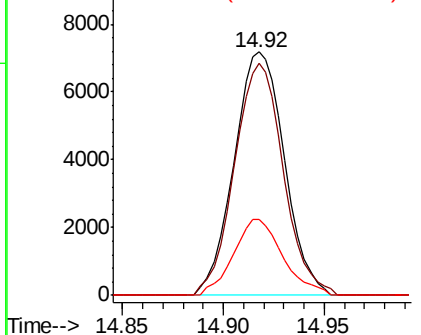


Abundance

Ion 179.80 (179.50 to 180.50): V

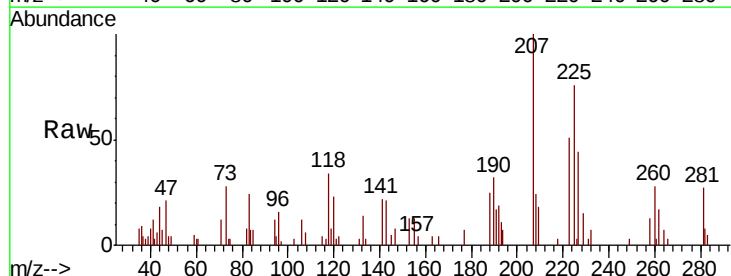
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 2.704 ug/l  
 RT: 15.02 min Scan# 4119  
 Delta R.T. 0.00 min  
 Lab File: VN058705.D  
 Acq: 11 Oct 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.9  | 32.3  | 96.8  |
| 227     | 61.9  | 32.4  | 97.0  |

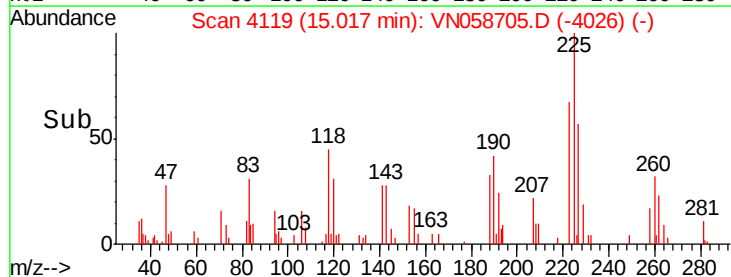
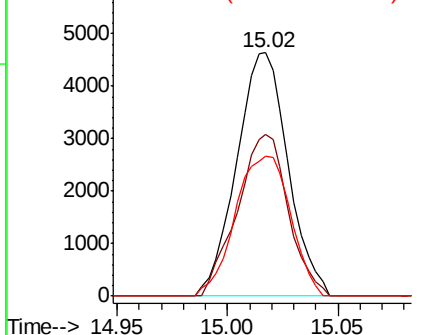


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.151 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

Instrument :

MSVOA\_N

ClientSampleId :

LOQ-WATER-02-QT4-2019

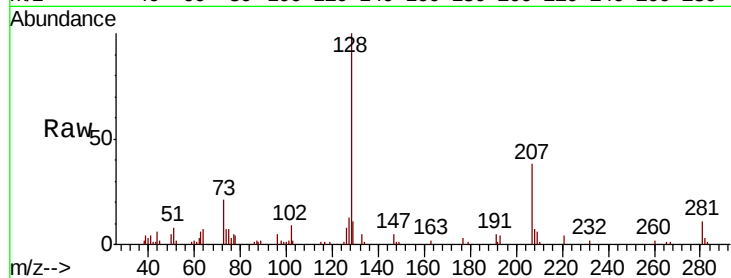
Tot Ion:128 Resp: 32632

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 10.7 8.5 12.7

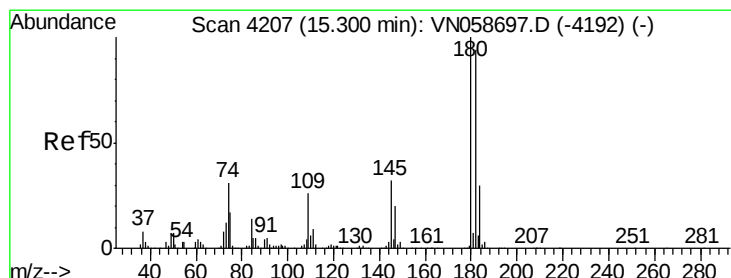
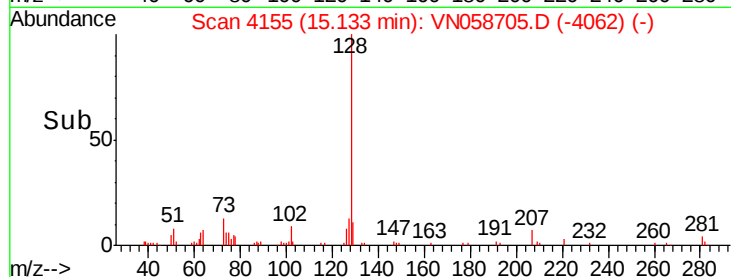
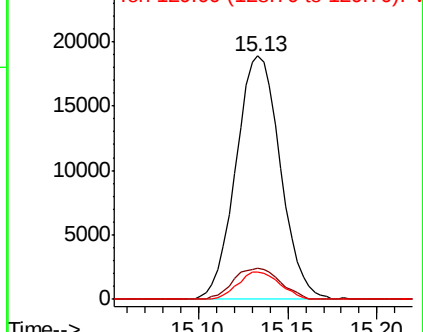


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.294 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058705.D

Acq: 11 Oct 2019 15:58

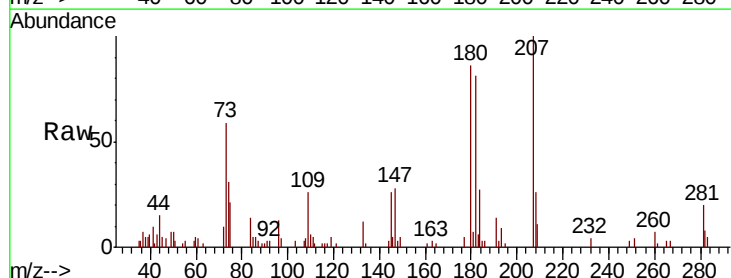
Tgt Ion:180 Resp: 11824

Ion Ratio Lower Upper

180 100

182 97.8 47.3 142.0

145 31.7 16.2 48.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

