

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN091419\  
 Data File : VN058026.D  
 Acq On : 13 Sep 2019 19:01  
 Operator : JC/SP  
 Sample : K4680-34  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-DECON-WATER-091119

Quant Time: Sep 14 03:37:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 10 03:02:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 318934   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 527488   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 472795   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 241835   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 348556   | 53.96 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.92% |      |
| 35) Dibromofluoromethane  | 7.58   | 113 | 240198   | 49.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.68%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 951392   | 50.33 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.66% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 310708   | 43.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.26%  |      |

## Target Compounds

|                                |       |     |        |              | Qvalue |     |
|--------------------------------|-------|-----|--------|--------------|--------|-----|
| 3) Chloromethane               | 2.04  | 50  | 1228   | 0.273 ug/l   | #      | 87  |
| 5) Bromomethane                | 2.55  | 94  | 281    | Below Cal    | #      | 50  |
| 9) 1,1,2-Trichlorotrifluoroet  | 3.74  | 101 | 2350   | 0.622 ug/l   | #      | 39  |
| 11) Tert butyl alcohol         | 4.76  | 59  | 3984   | 5.096 ug/l   | #      | 72  |
| 13) Acrolein                   | 3.60  | 56  | 143    | 0.216 ug/l   | #      | 14  |
| 16) Acetone                    | 3.80  | 43  | 70559  | 33.320 ug/l  |        | 94  |
| 17) Carbon Disulfide           | 4.04  | 76  | 1323   | 0.408 ug/l   | #      | 75  |
| 20) Methylene Chloride         | 4.51  | 84  | 391    | Below Cal    | #      | 34  |
| 25) 2-Butanone                 | 6.83  | 43  | 9510   | 3.103 ug/l   |        | 92  |
| 28) Bromochloromethane         | 7.35  | 49  | 4808   | 1.130 ug/l   | #      | 19  |
| 30) Chloroform                 | 7.36  | 83  | 50722  | 5.695 ug/l   |        | 92  |
| 31) Cyclohexane                | 7.65  | 56  | 7732   | Below Cal    | #      | 15  |
| 32) 1,1,1-Trichloroethane      | 7.55  | 97  | 2846   | 0.403 ug/l   | #      | 50  |
| 36) 1,1-Dichloropropene        | 7.65  | 75  | 27812  | 4.546 ug/l   | #      | 51  |
| 37) Ethyl Acetate              | 6.83  | 43  | 9510   | 1.505 ug/l   | #      | 78  |
| 38) Carbon Tetrachloride       | 7.65  | 117 | 31993  | 5.728 ug/l   | #      | 15  |
| 43) Isopropyl Acetate          | 8.18  | 43  | 5482   | 0.516 ug/l   | #      | 56  |
| 44) Trichloroethene            | 8.83  | 130 | 5558   | 1.230 ug/l   |        | 87  |
| 47) Bromodichloromethane       | 9.39  | 83  | 7889   | 1.220 ug/l   | #      | 96  |
| 48) Methyl methacrylate        | 9.16  | 41  | 10500  | 1.947 ug/l   | #      | 50  |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43  | 33128  | 5.267 ug/l   |        | 100 |
| 52) Toluene                    | 10.15 | 92  | 10992  | 0.948 ug/l   |        | 92  |
| 59) 2-Hexanone                 | 10.75 | 43  | 6022   | 1.277 ug/l   |        | 97  |
| 60) Dibromochloromethane       | 10.90 | 129 | 1249   | 0.274 ug/l   |        | 88  |
| 64) Tetrachloroethene          | 10.63 | 164 | 14881  | 4.263 ug/l   |        | 97  |
| 68) m/p-Xylenes                | 11.62 | 106 | 1706   | 0.215 ug/l   | #      | 1   |
| 69) o-Xylene                   | 11.95 | 106 | 8489   | 1.075 ug/l   |        | 93  |
| 71) Bromoform                  | 12.40 | 173 | 1817   | 0.679 ug/l   | #      | 1   |
| 74) N-amyl acetate             | 12.03 | 43  | 9214   | 1.128 ug/l   | #      | 51  |
| 76) 1,2,3-Trichloropropane     | 12.41 | 75  | 170256 | 31.121 ug/l  | #      | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.41 | 75  | 170256 | 109.516 ug/l | #      | 6   |
| 93) 1,2,4-Trichlorobenzene     | 14.92 | 180 | 1257   | 0.224 ug/l   |        | 91  |
| 95) Naphthalene                | 15.13 | 128 | 16781  | Below Cal    |        | 96  |
| 96) 1,2,3-Trichlorobenzene     | 15.30 | 180 | 1275   | 1.253 ug/l   |        | 99  |

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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-DECON-WATER-091119

Quant Time: Sep 14 03:37:30 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091019W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 10 03:02:13 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

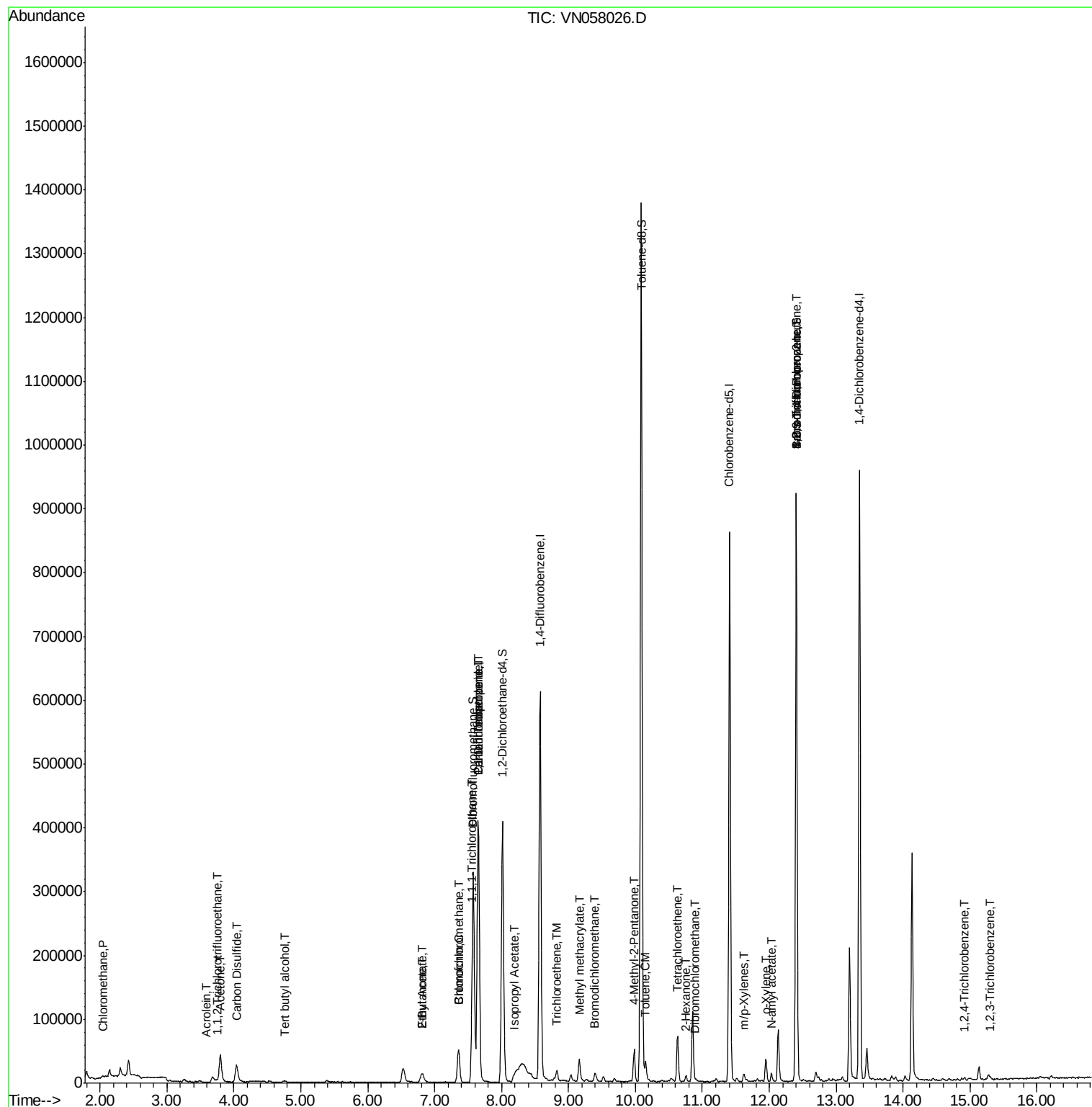
|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

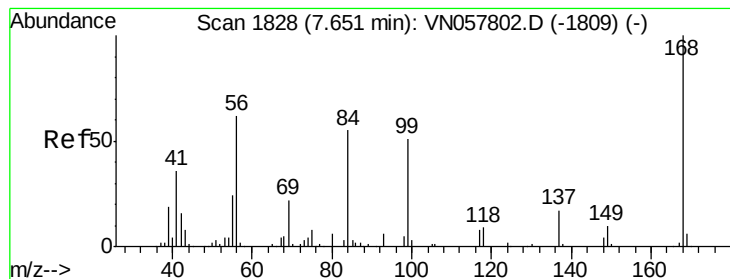
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN091419\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

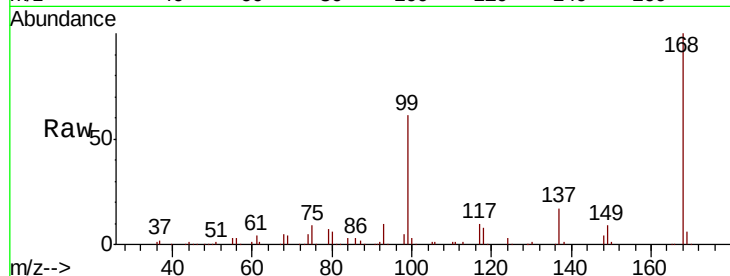
IDW-DECON-WATER-091119

Tgt Ion: 168 Resp: 318934

Ion Ratio Lower Upper

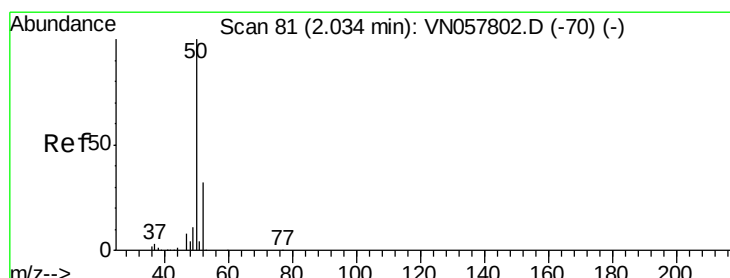
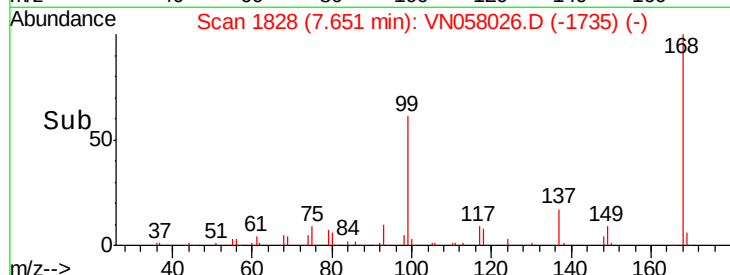
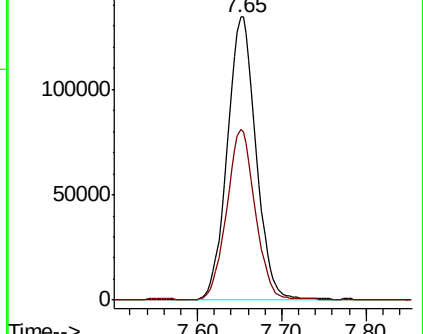
168 100

99 60.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)



#3

Chloromethane

Concen: 0.273 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN058026.D

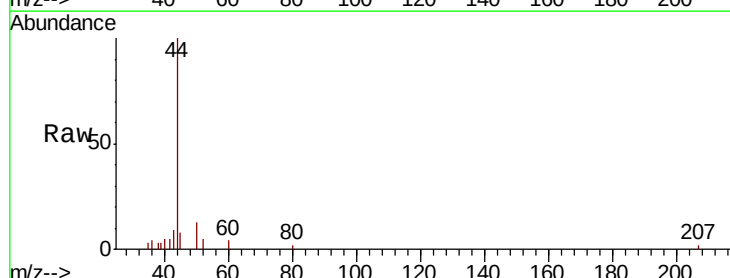
Acq: 13 Sep 2019 19:01

Tgt Ion: 50 Resp: 1228

Ion Ratio Lower Upper

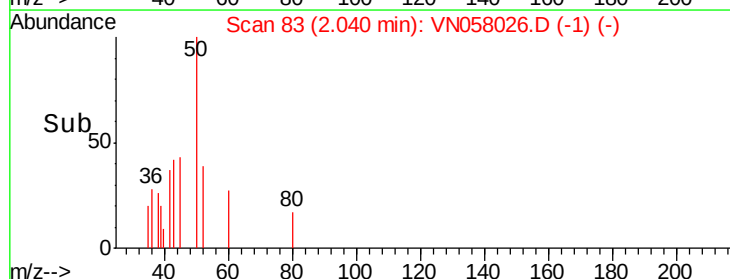
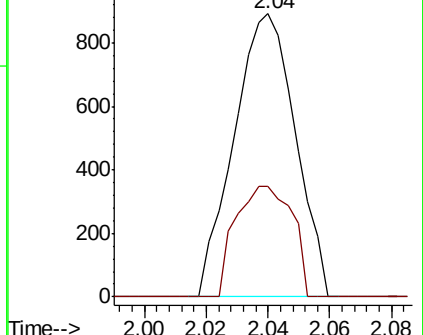
50 100

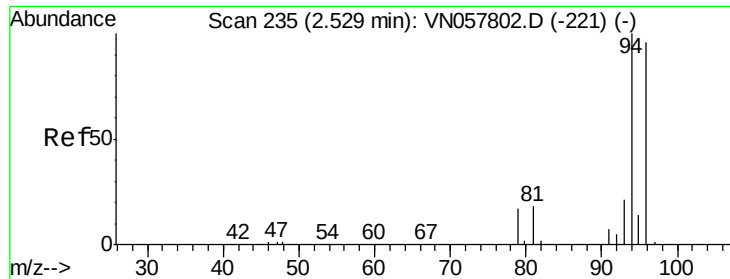
52 39.1 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)

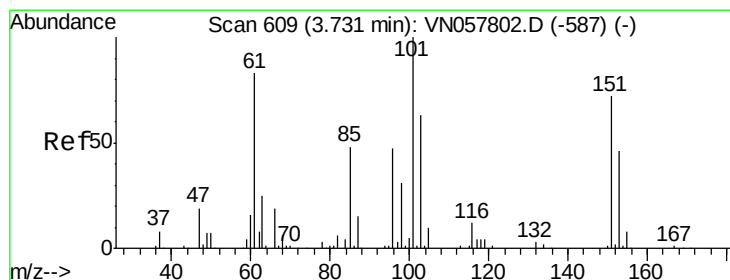
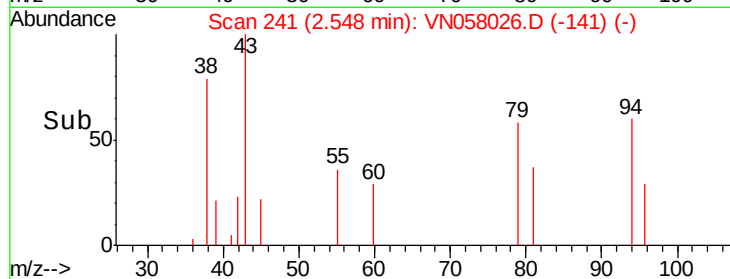
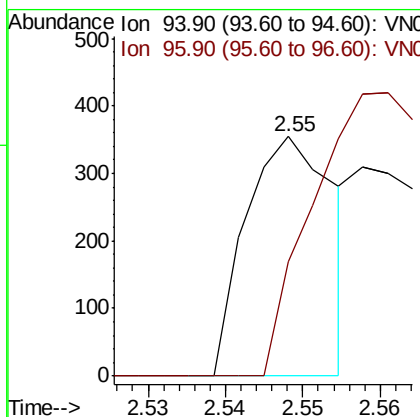
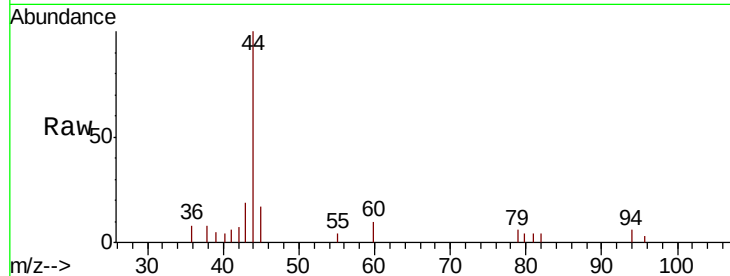




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.55 min Scan# 241  
Delta R.T. 0.02 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

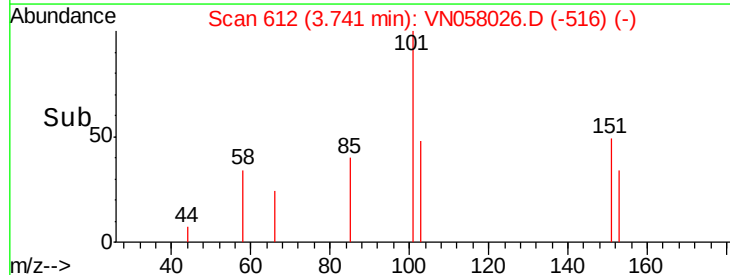
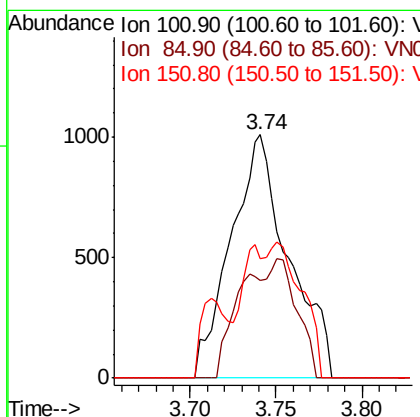
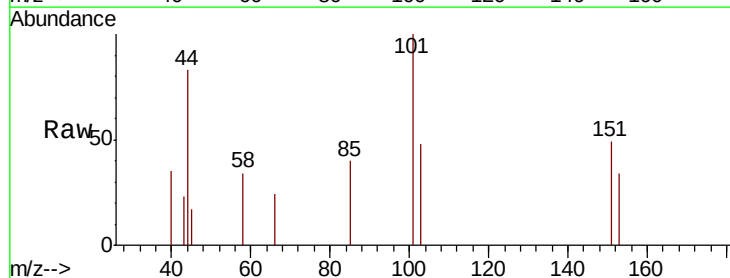
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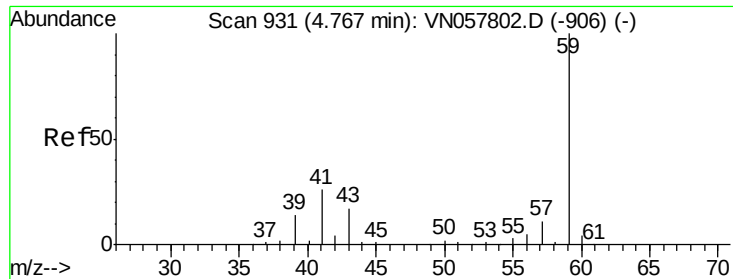
Tgt Ion: 94 Resp: 281  
Ion Ratio Lower Upper  
94 100  
96 47.6 77.0 115.4#



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.622 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. 0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion: 101 Resp: 2350  
Ion Ratio Lower Upper  
101 100  
85 21.8 38.1 57.1#  
151 9.3 58.4 87.6#

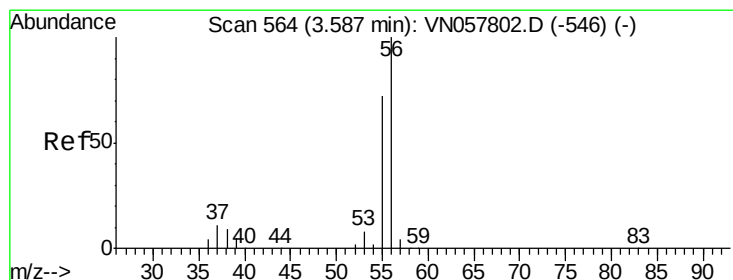
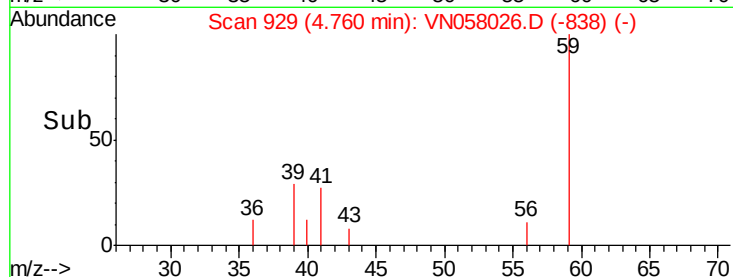
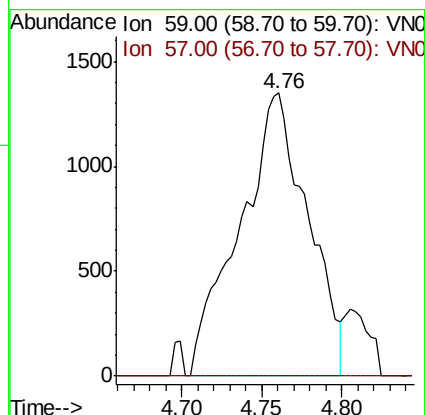
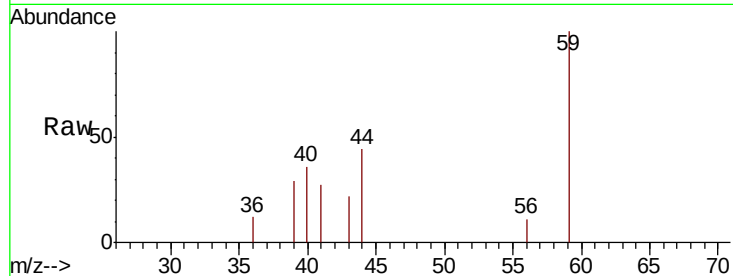




#11  
Tert butyl alcohol  
Concen: 5.096 ug/l  
RT: 4.76 min Scan# 929  
Delta R.T. -0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

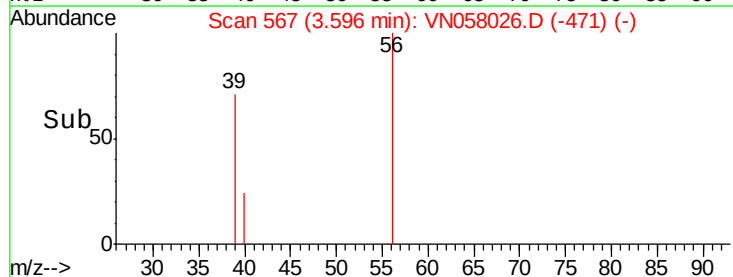
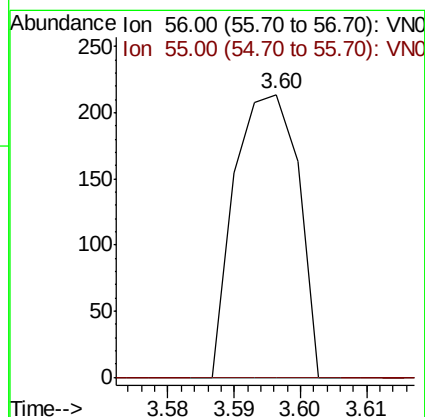
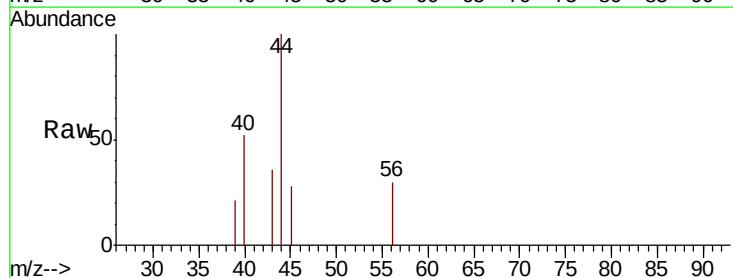
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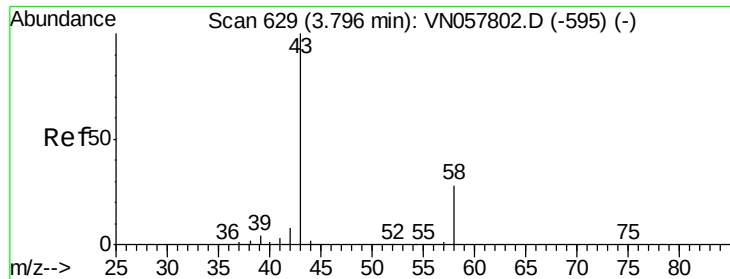
Tgt Ion: 59 Resp: 3984  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.4 12.6#



#13  
Acrolein  
Concen: 0.216 ug/l  
RT: 3.60 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion: 56 Resp: 143  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.3 85.9#





#16

Acetone

Concen: 33.320 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

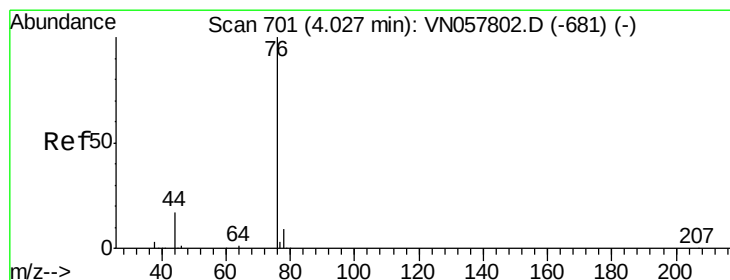
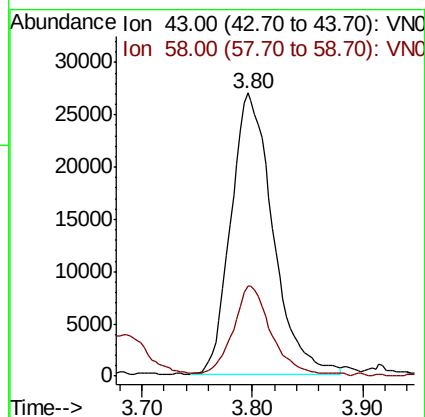
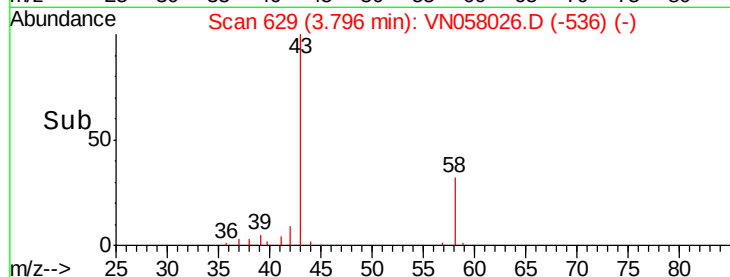
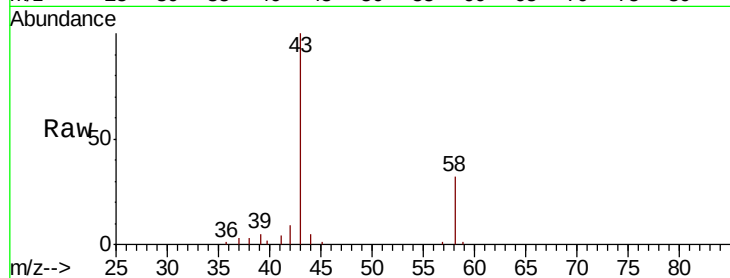
IDW-DECON-WATER-091119

Tgt Ion: 43 Resp: 70559

Ion Ratio Lower Upper

43 100

58 31.0 22.2 33.2



#17

Carbon Disulfide

Concen: 0.408 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN058026.D

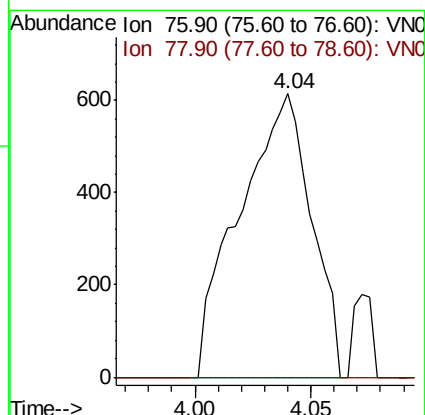
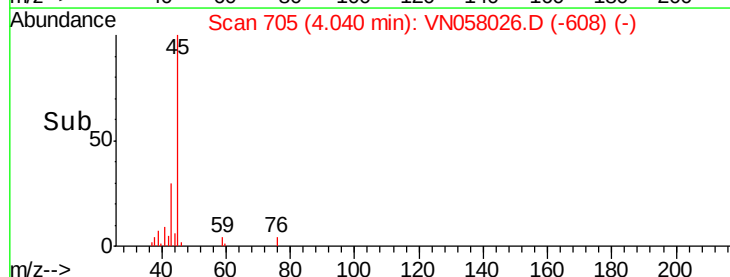
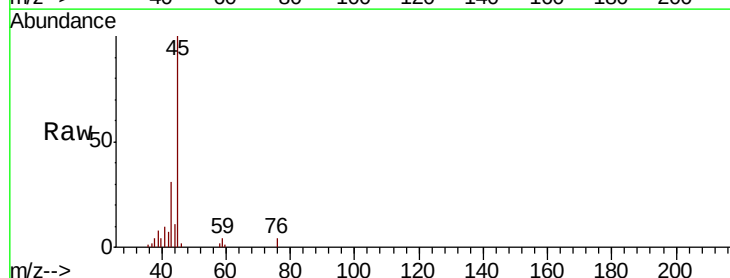
Acq: 13 Sep 2019 19:01

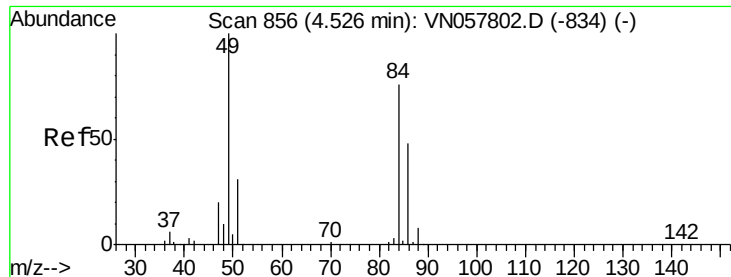
Tgt Ion: 76 Resp: 1323

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

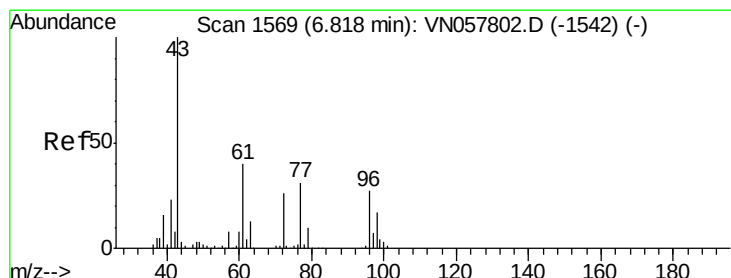
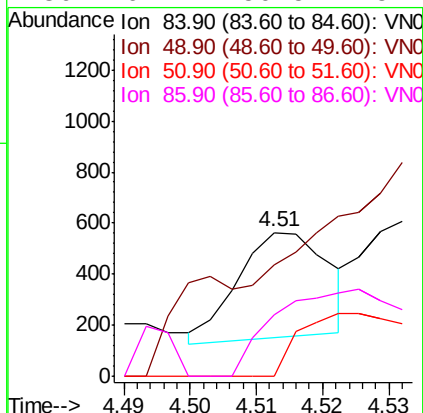
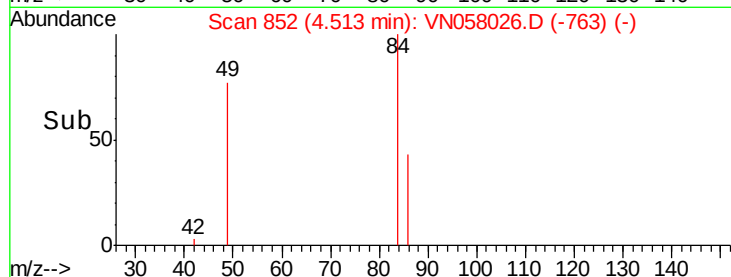
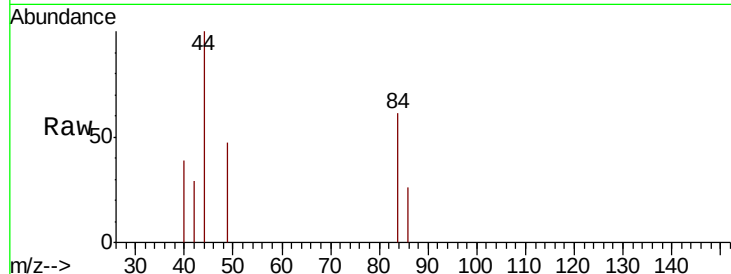




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.51 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

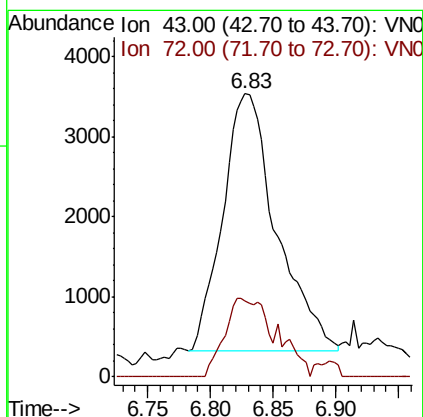
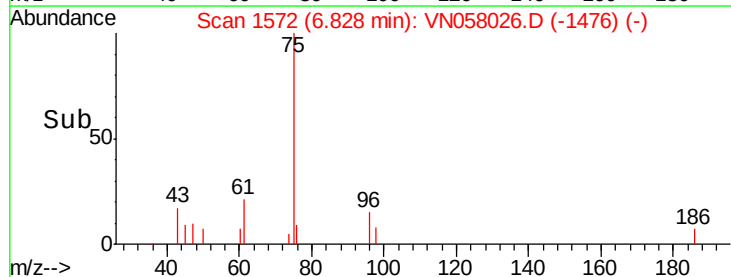
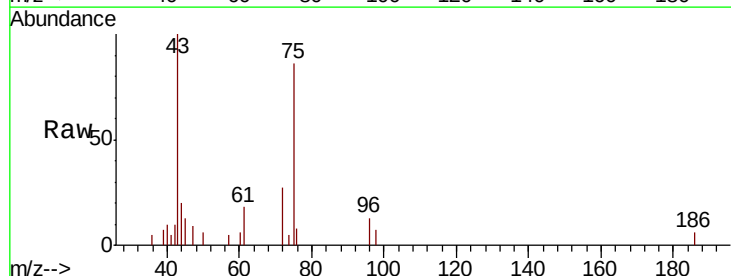
Instrument :  
MSVOA\_N  
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IDW-DECON-WATER-091119

Tgt Ion: 84 Resp: 391  
Ion Ratio Lower Upper  
84 100  
49 17.8 104.8 157.2#  
51 0.0 33.0 49.4#  
86 61.1 50.5 75.7

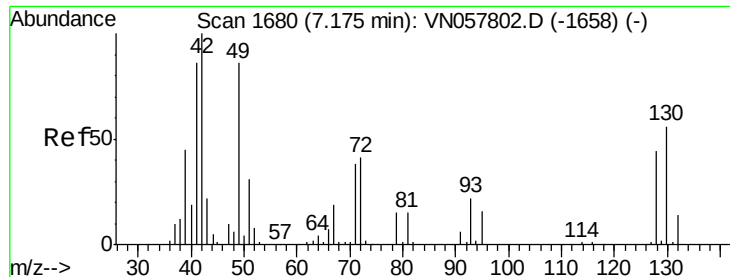


#25  
2-Butanone  
Concen: 3.103 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion: 43 Resp: 9510  
Ion Ratio Lower Upper  
43 100  
72 29.7 20.6 30.8



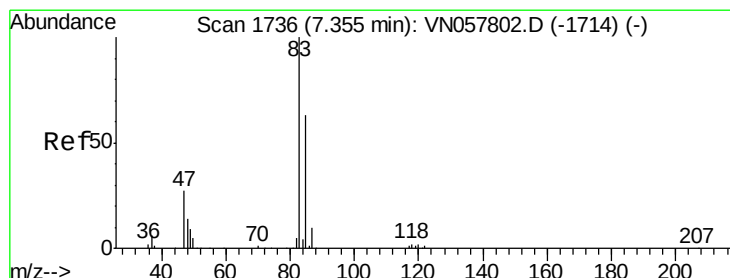
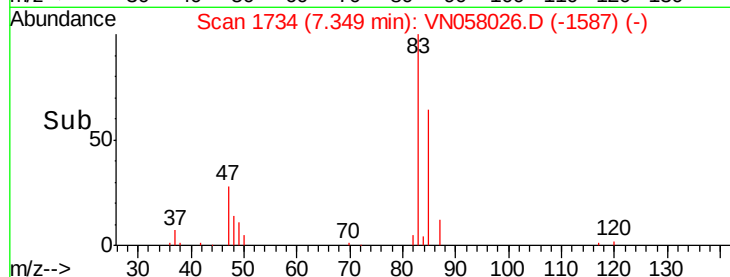
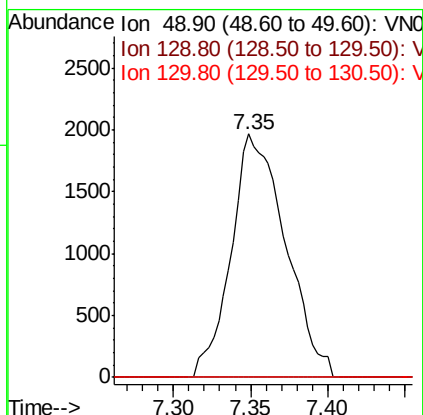
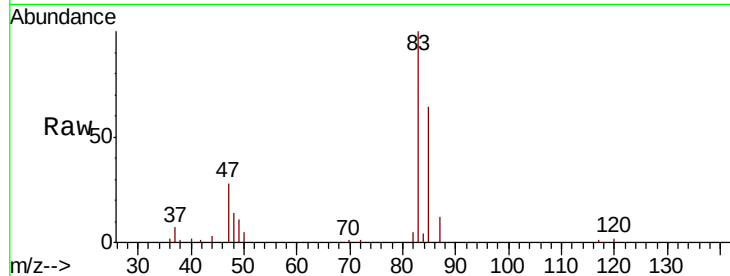




#28  
Bromochloromethane  
Concen: 1.130 ug/l  
RT: 7.35 min Scan# 1734  
Delta R.T. 0.17 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

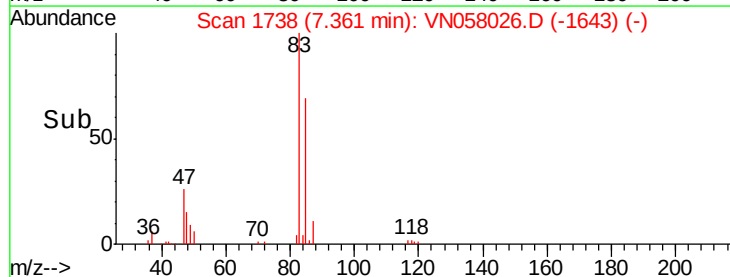
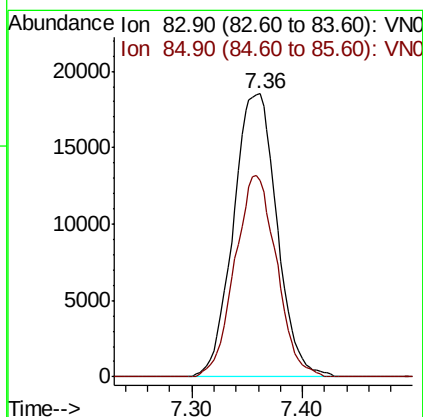
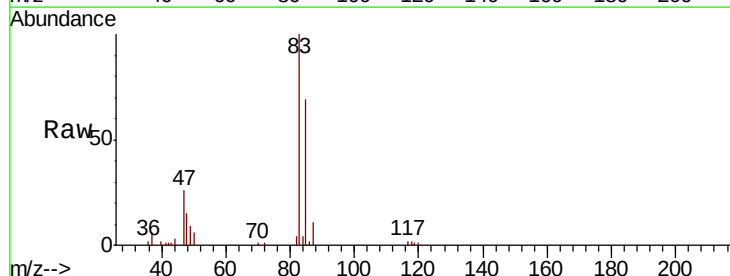
Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-DECON-WATER-091119

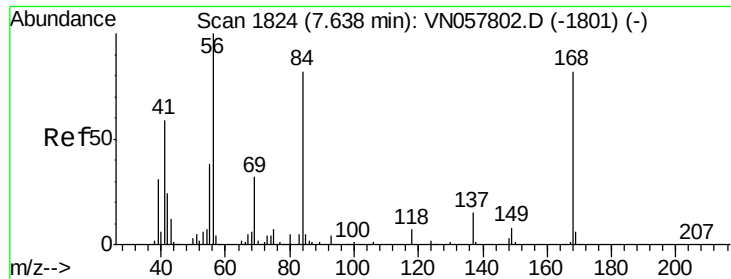
Tgt Ion: 49 Resp: 4808  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.8  
130 0.0 53.0 79.6#



#30  
Chloroform  
Concen: 5.695 ug/l  
RT: 7.36 min Scan# 1738  
Delta R.T. 0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion: 83 Resp: 50722  
Ion Ratio Lower Upper  
83 100  
85 69.3 50.6 75.8

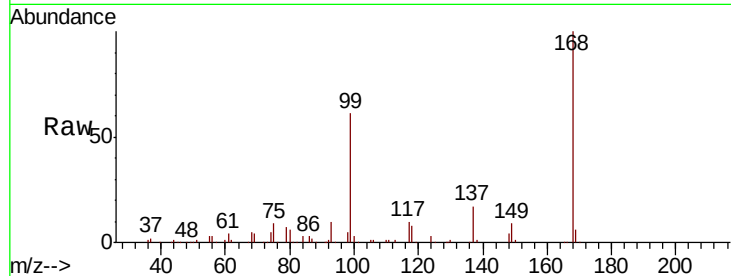




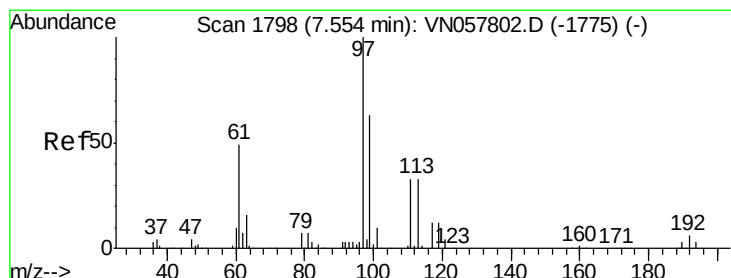
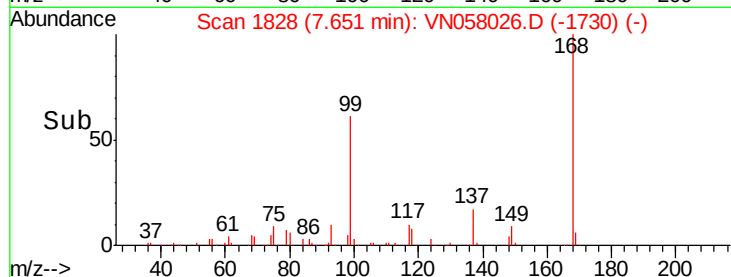
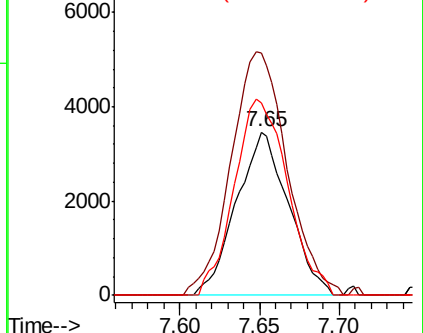
#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.65 min Scan# 1828  
Delta R.T. 0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-DECON-WATER-091119

Tgt Ion: 56 Resp: 7732  
Ion Ratio Lower Upper  
56 100  
69 143.7 25.9 38.9#  
84 117.6 65.6 98.4#

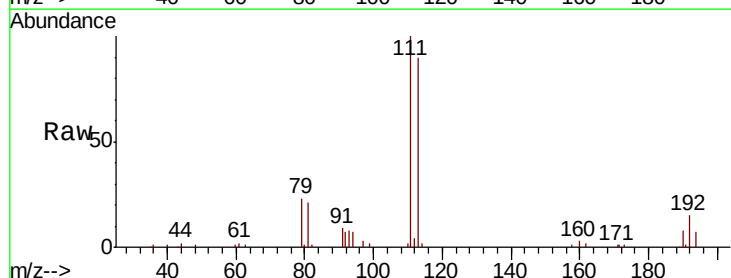


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

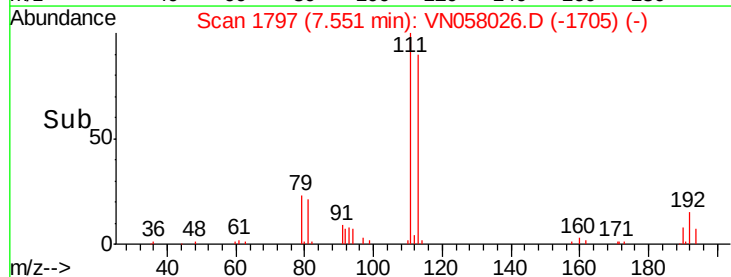
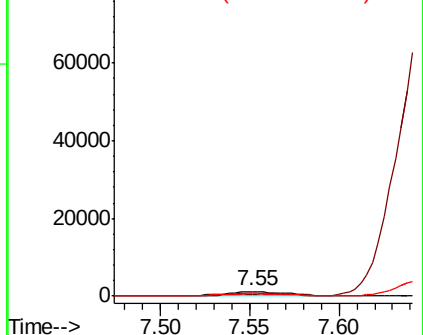


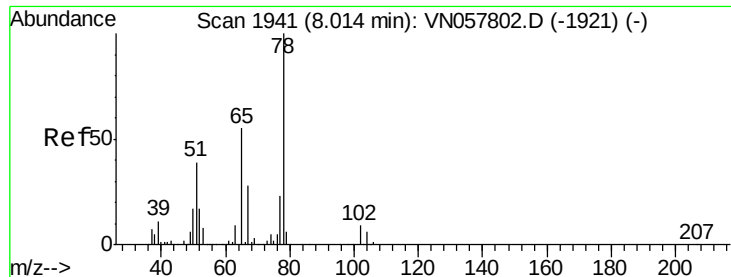
#32  
1,1,1-Trichloroethane  
Concen: 0.403 ug/l  
RT: 7.55 min Scan# 1797  
Delta R.T. -0.00 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion: 97 Resp: 2846  
Ion Ratio Lower Upper  
97 100  
99 0.0 51.0 76.4#  
61 42.8 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VN0  
Ion 98.90 (98.60 to 99.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0

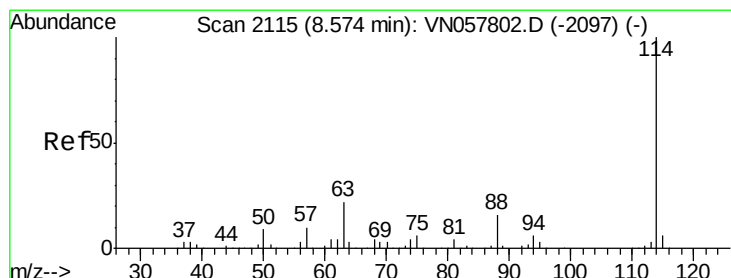
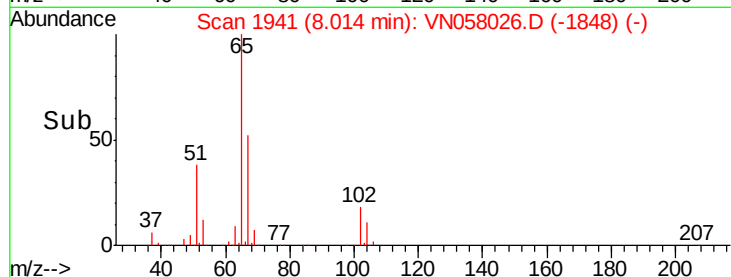
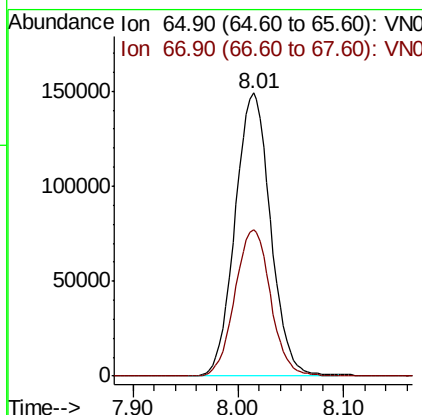
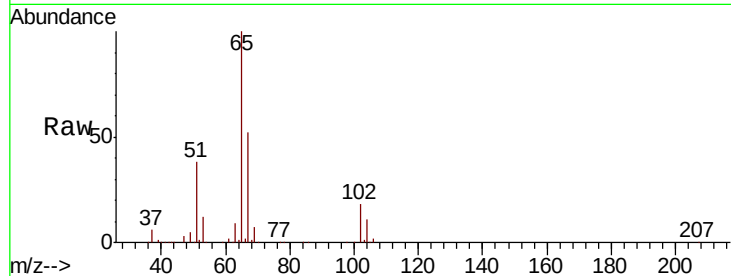




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.958 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

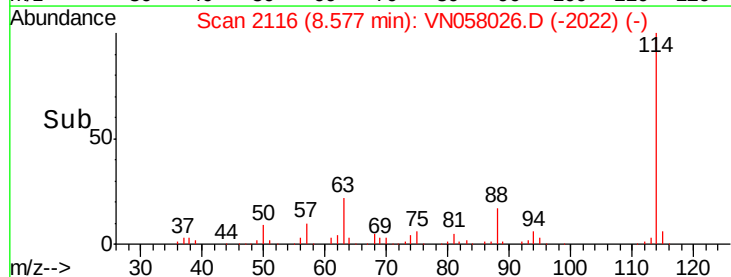
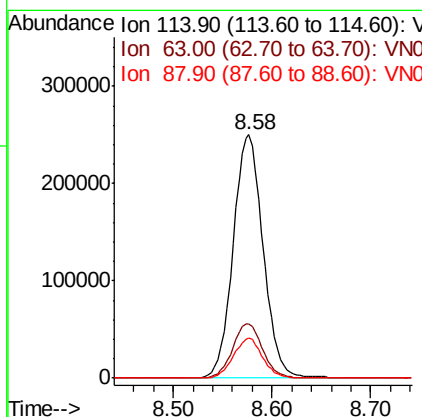
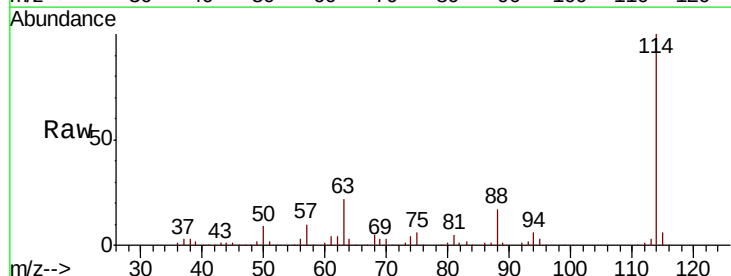
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-DECON-WATER-091119

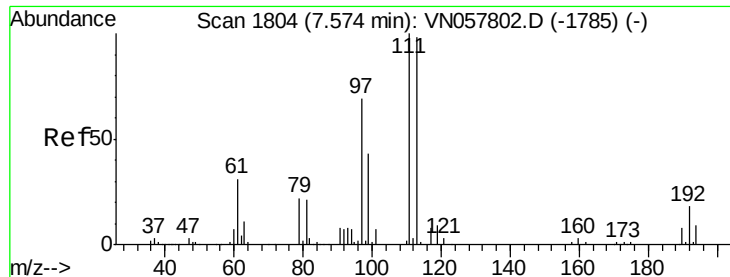
Tgt Ion: 65 Resp: 348556  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

Tgt Ion: 114 Resp: 527488  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 44.0  
 88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.337 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

IDW-DECON-WATER-091119

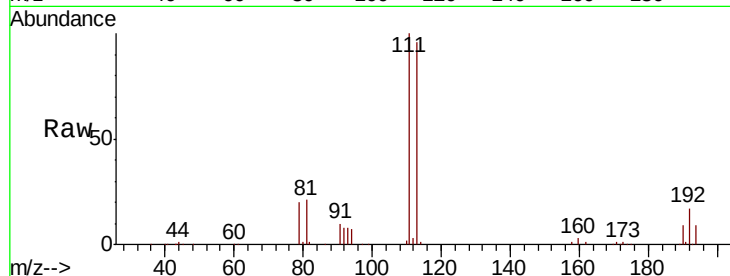
Tgt Ion: 113 Resp: 240198

Ion Ratio Lower Upper

113 100

111 105.3 81.3 121.9

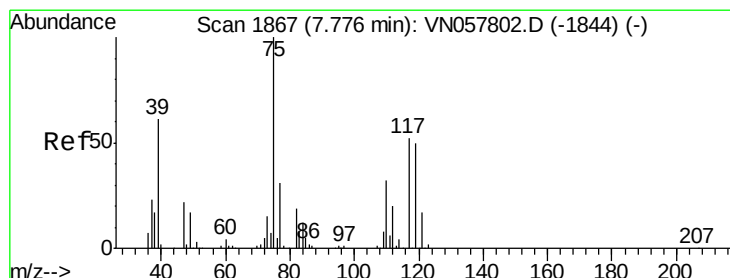
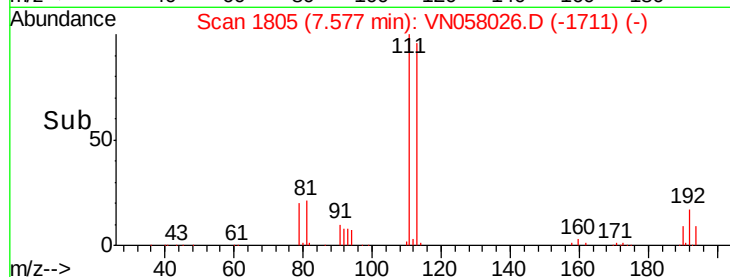
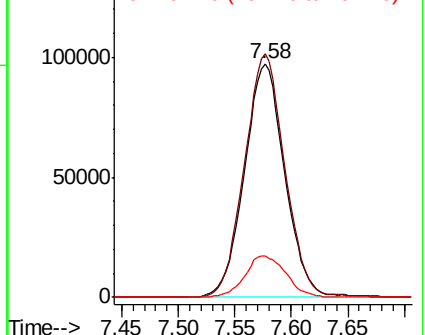
192 18.2 14.6 22.0



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: 4.546 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

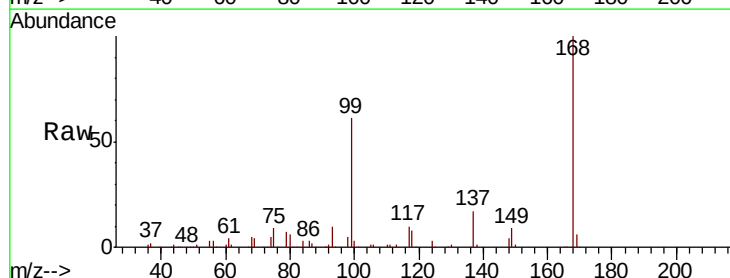
Tgt Ion: 75 Resp: 27812

Ion Ratio Lower Upper

75 100

110 9.2 16.3 48.9#

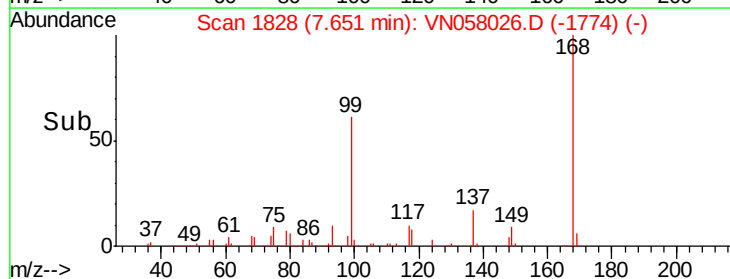
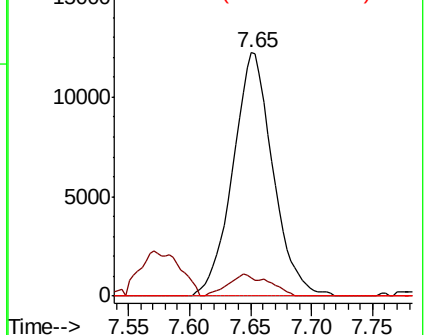
77 0.0 25.0 37.4#

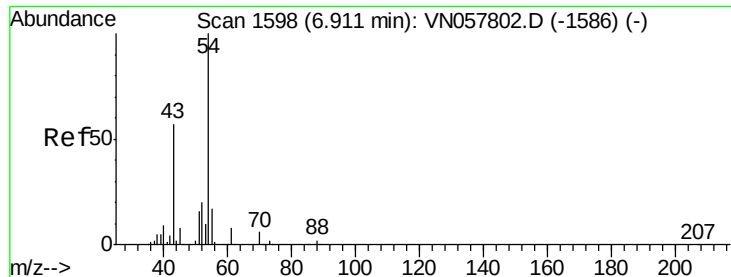


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

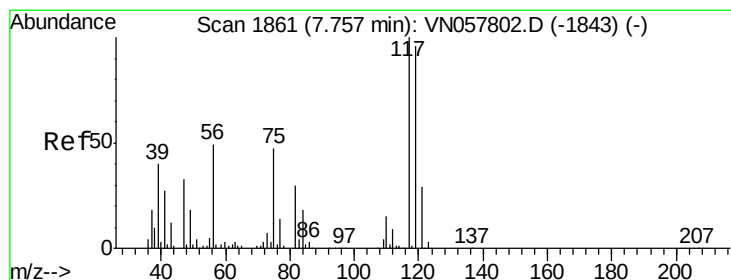
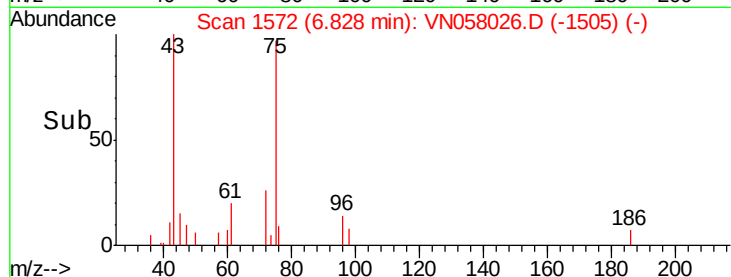
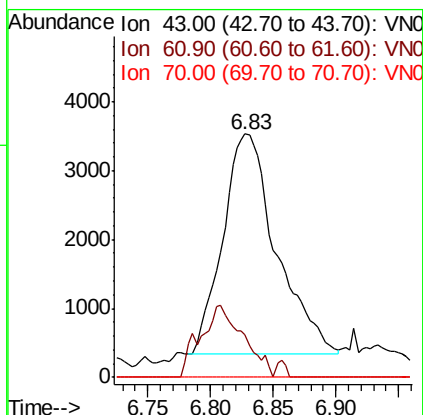
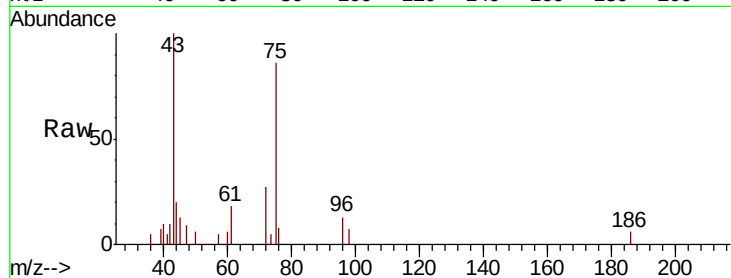




#37  
**Ethyl Acetate**  
 Concen: 1.505 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. -0.08 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

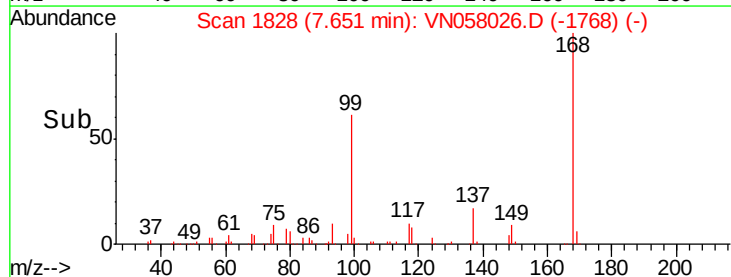
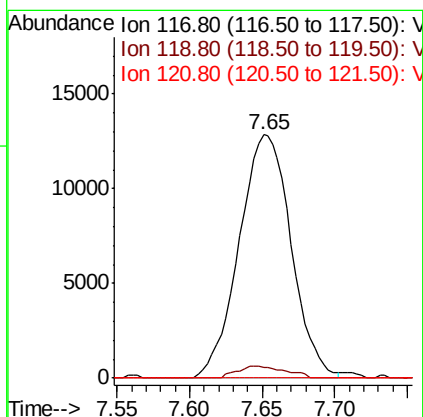
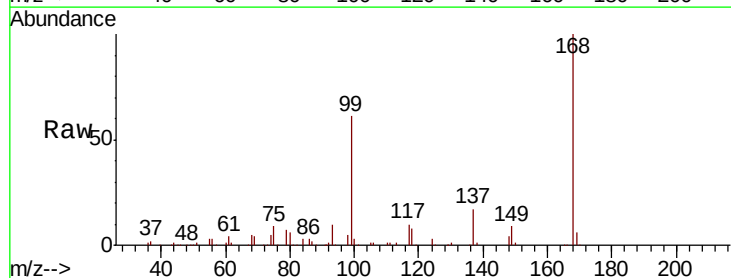
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-DECON-WATER-091119

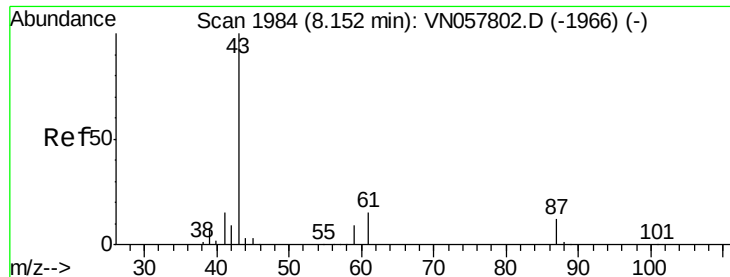
Tgt Ion: 43 Resp: 9510  
 Ion Ratio Lower Upper  
 43 100  
 61 21.3 10.5 15.7#  
 70 0.0 7.4 11.0#



#38  
**Carbon Tetrachloride**  
 Concen: 5.728 ug/l  
 RT: 7.65 min Scan# 1828  
 Delta R.T. -0.11 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

Tgt Ion: 117 Resp: 31993  
 Ion Ratio Lower Upper  
 117 100  
 119 4.4 76.9 115.3#  
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 0.516 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.03 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

IDW-DECON-WATER-091119

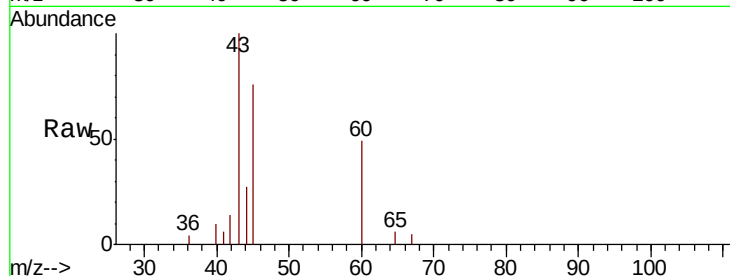
Tgt Ion: 43 Resp: 5482

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

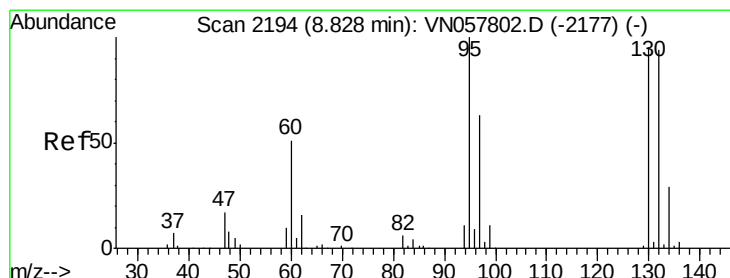
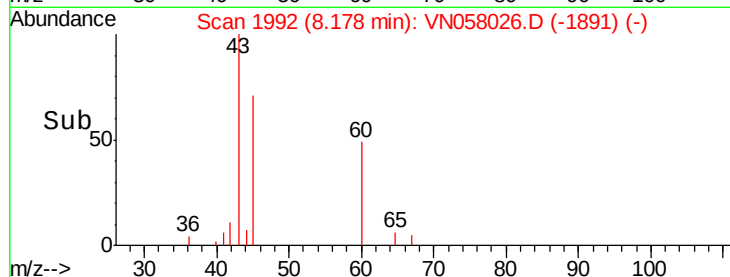
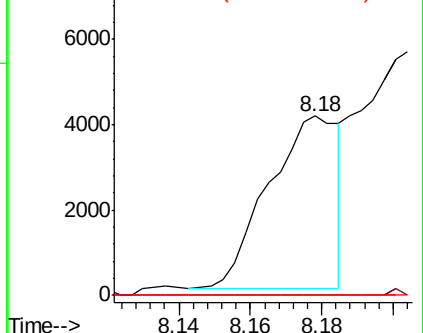
87 0.0 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44

Trichloroethene

Concen: 1.230 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN058026.D

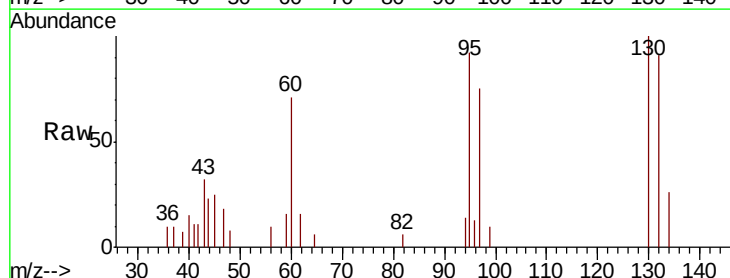
Acq: 13 Sep 2019 19:01

Tgt Ion: 130 Resp: 5558

Ion Ratio Lower Upper

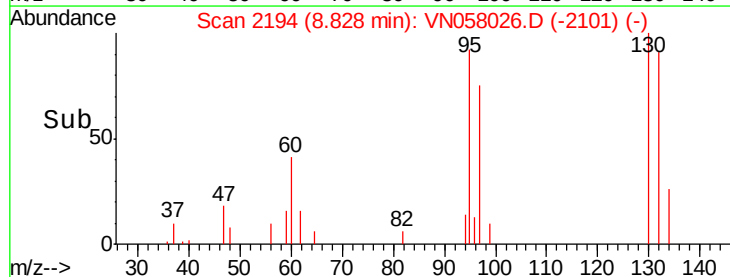
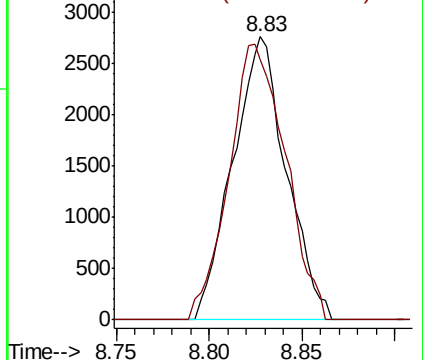
130 100

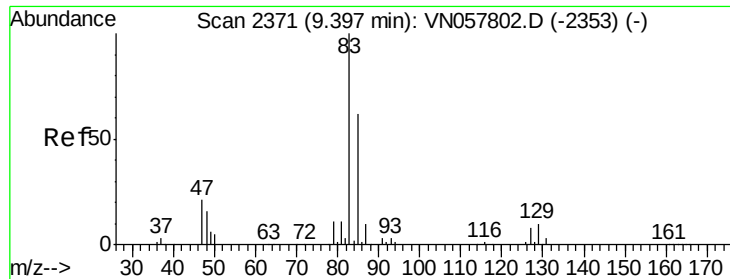
95 91.9 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)





#47

Bromodichloromethane

Concen: 1.220 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

IDW-DECON-WATER-091119

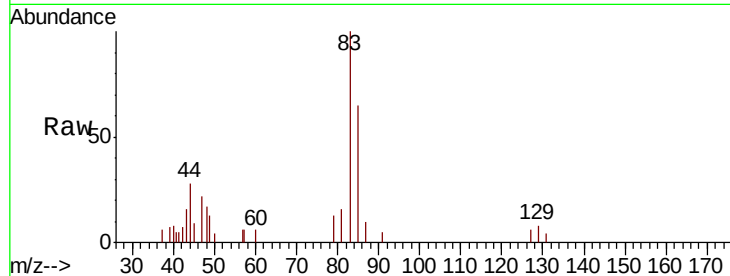
Tgt Ion: 83 Resp: 7889

Ion Ratio Lower Upper

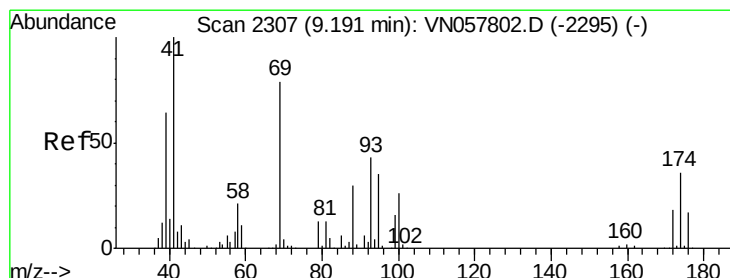
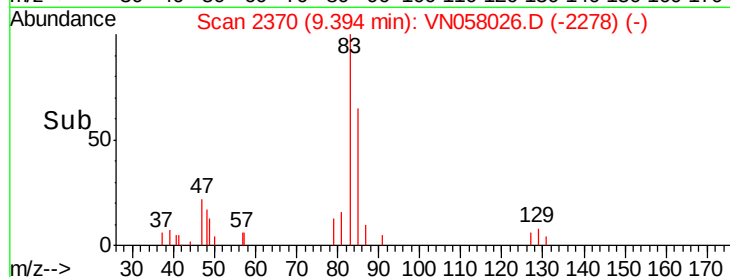
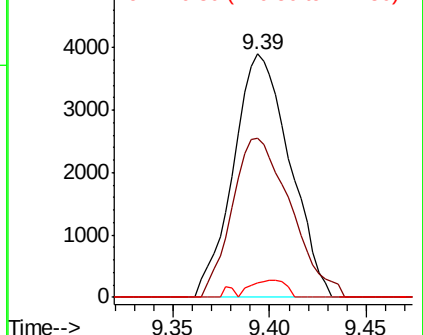
83 100

85 65.4 49.9 74.9

127 5.7 6.5 9.7#



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



#48

Methyl methacrylate

Concen: 1.947 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.03 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

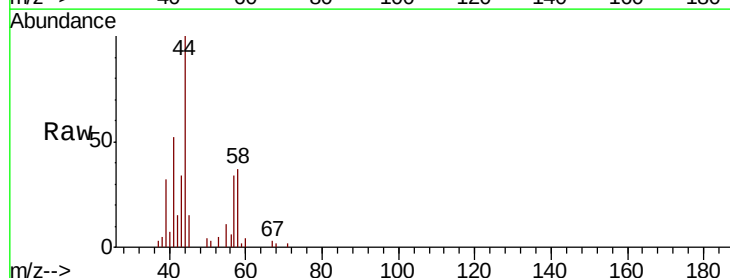
Tgt Ion: 41 Resp: 10500

Ion Ratio Lower Upper

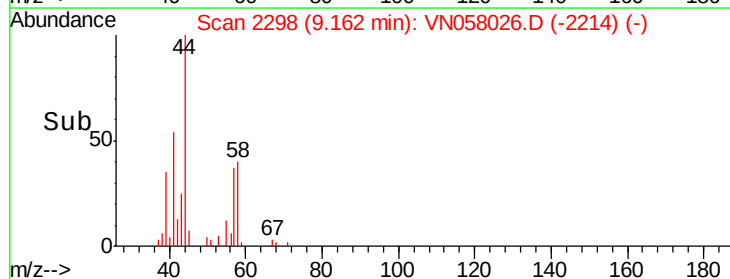
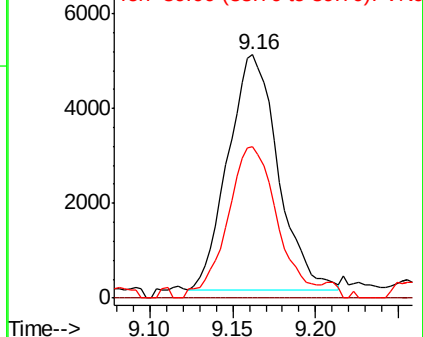
41 100

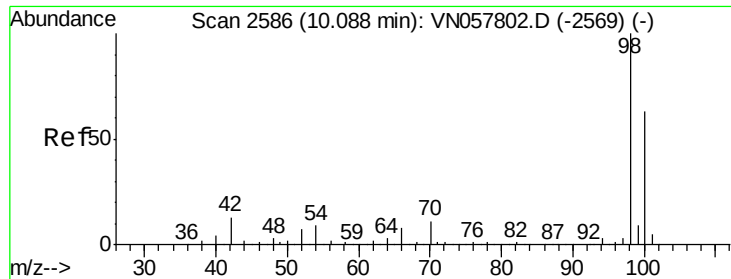
69 0.0 62.7 94.1#

39 63.3 52.7 79.1



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

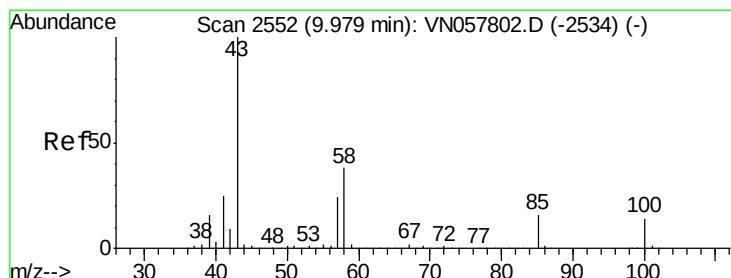
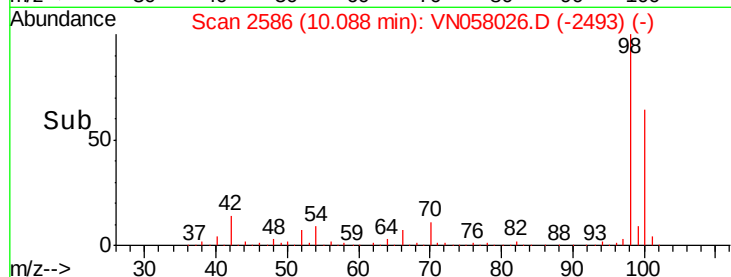
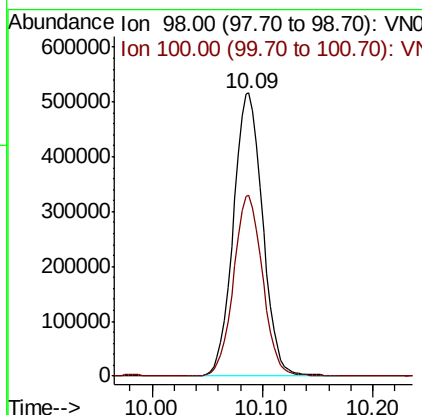
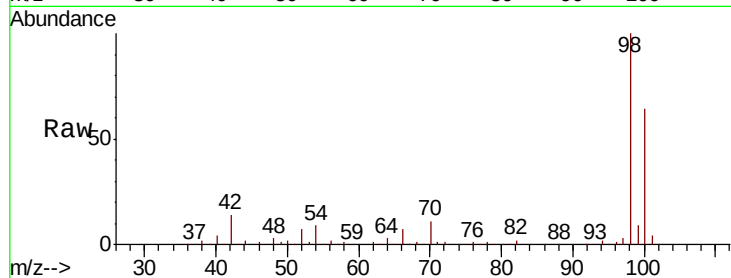




#50  
Toluene-d8  
Concen: 50.332 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

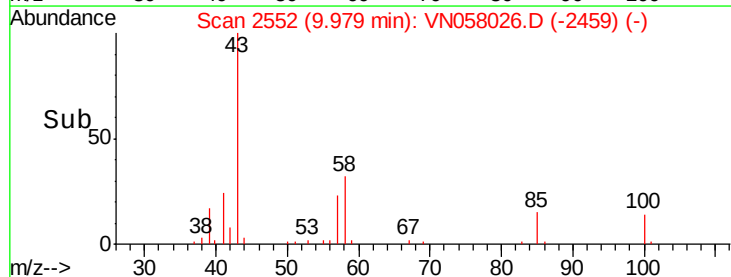
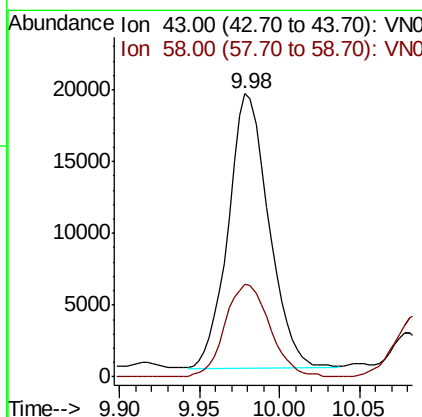
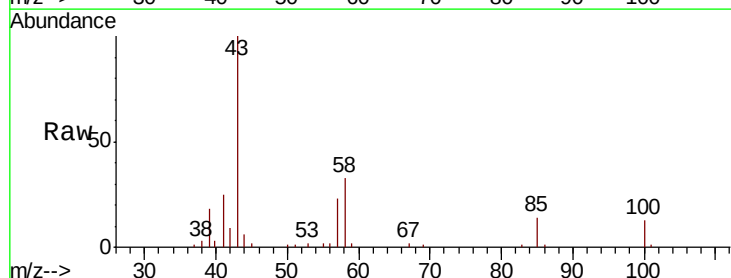
Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-DECON-WATER-091119

Tgt Ion: 98 Resp: 951392  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.3 75.5

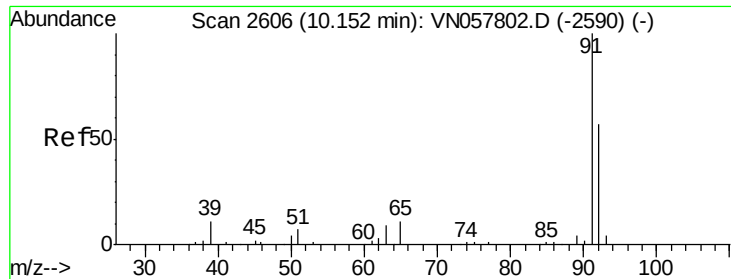


#51  
4-Methyl-2-Pentanone  
Concen: 5.267 ug/l  
RT: 9.98 min Scan# 2552  
Delta R.T. 0.00 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion: 43 Resp: 33128  
Ion Ratio Lower Upper  
43 100  
58 37.1 29.8 44.6







#52

Toluene

Concen: 0.948 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

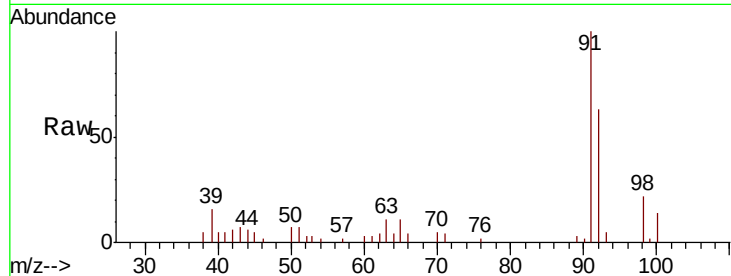
IDW-DECON-WATER-091119

Tgt Ion: 92 Resp: 10992

Ion Ratio Lower Upper

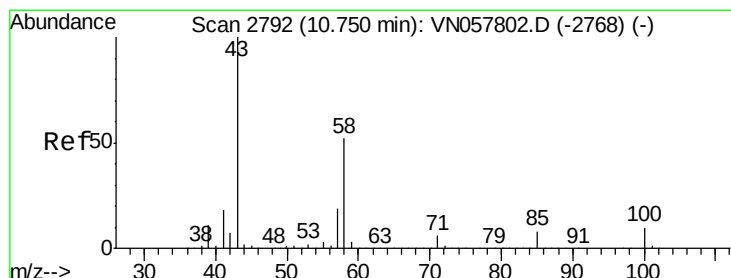
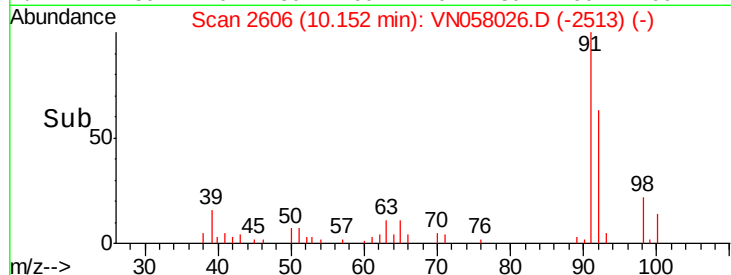
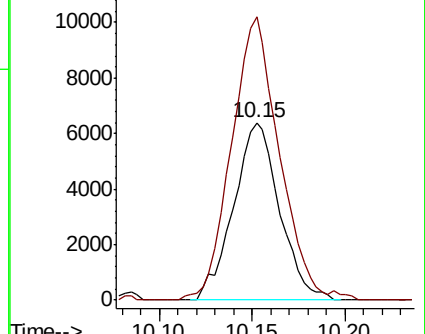
92 100

91 164.7 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#59

2-Hexanone

Concen: 1.277 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN058026.D

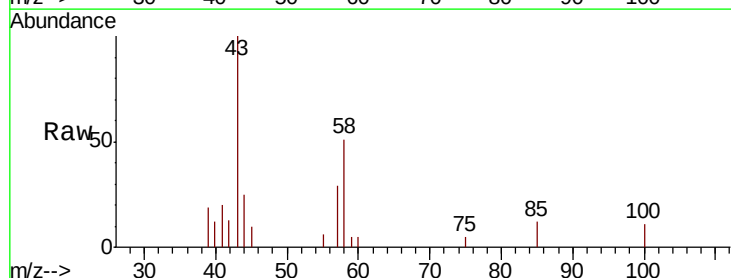
Acq: 13 Sep 2019 19:01

Tgt Ion: 43 Resp: 6022

Ion Ratio Lower Upper

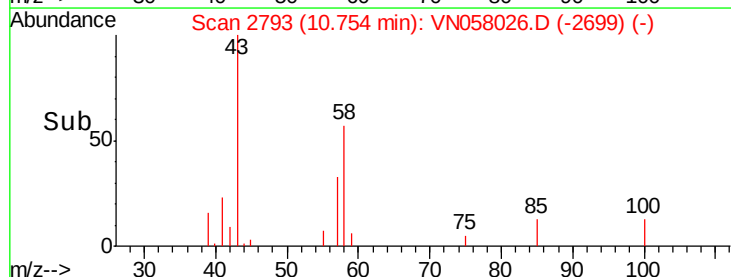
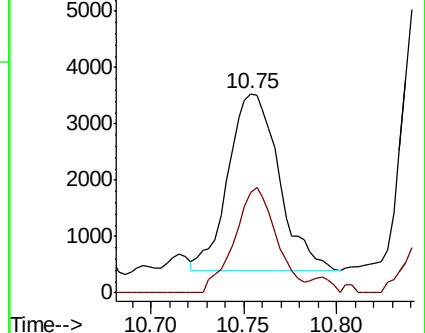
43 100

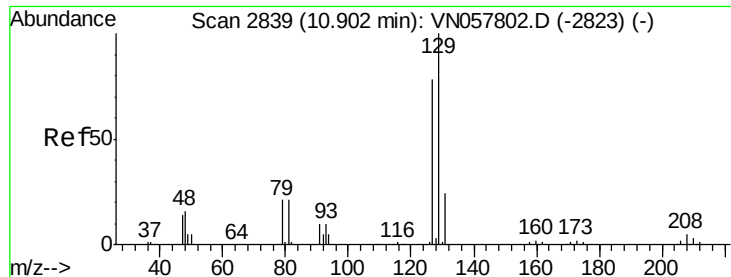
58 48.9 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

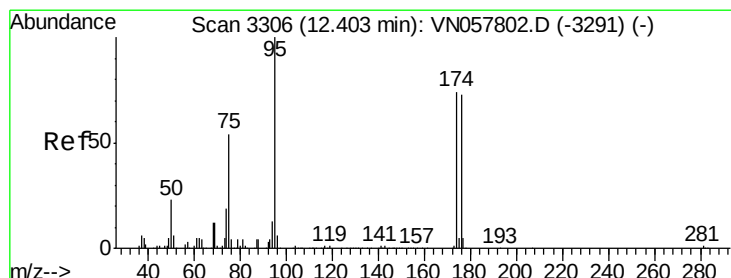
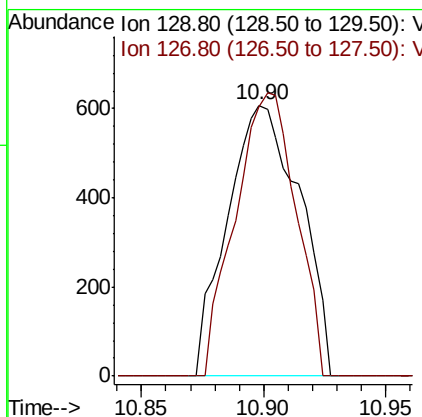
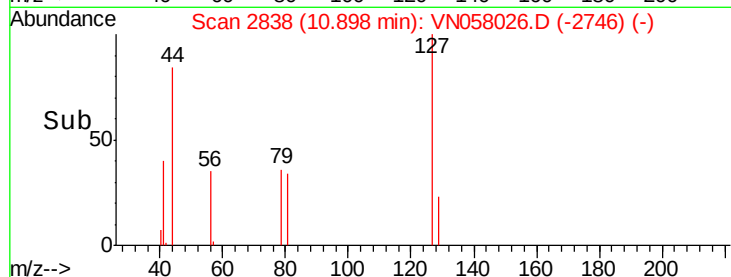
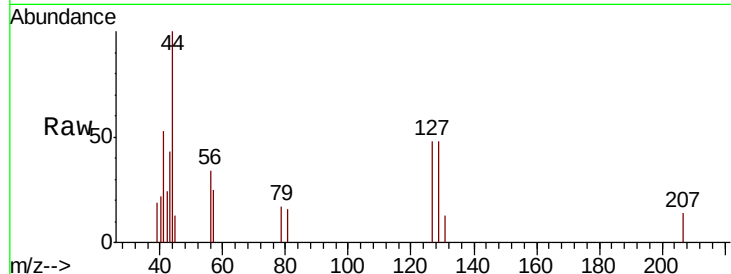




#60  
 Dibromochloromethane  
 Concen: 0.274 ug/l  
 RT: 10.90 min Scan# 2838  
 Delta R.T. -0.00 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

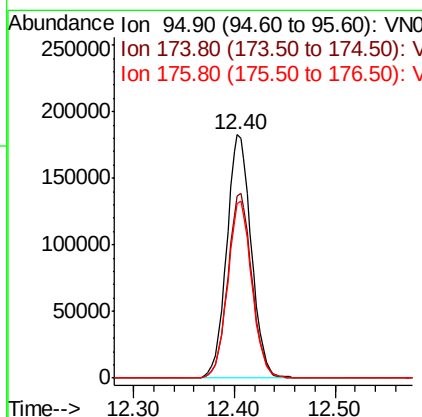
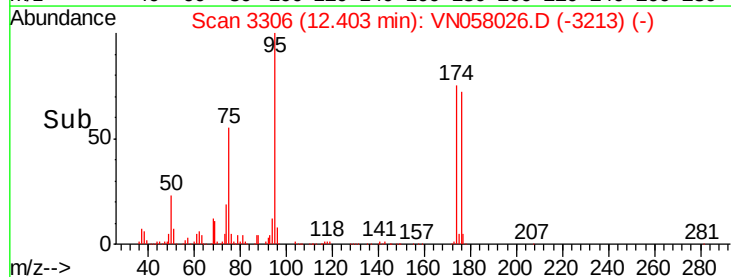
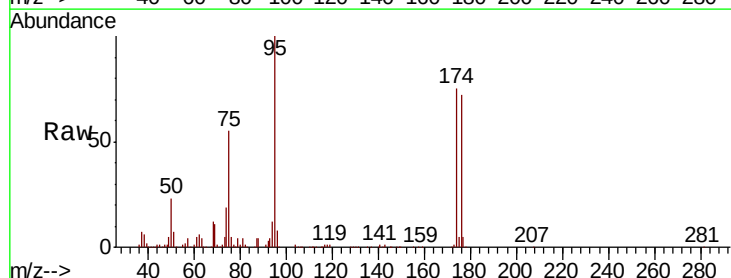
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IDW-DECON-WATER-091119

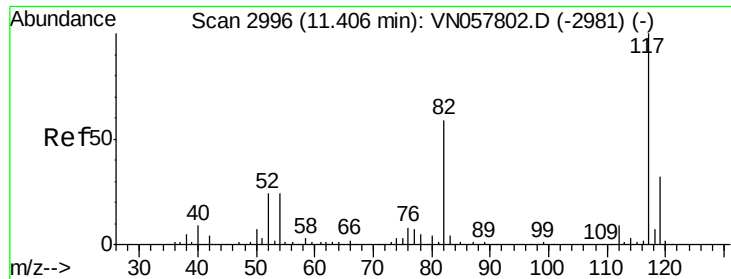
Tgt Ion: 129 Resp: 1249  
 Ion Ratio Lower Upper  
 129 100  
 127 87.9 38.6 116.0



#62  
 4-Bromofluorobenzene  
 Concen: 43.134 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. -0.00 min  
 Lab File: VN058026.D  
 Acq: 13 Sep 2019 19:01

Tgt Ion: 95 Resp: 310708  
 Ion Ratio Lower Upper  
 95 100  
 174 74.3 0.0 150.2  
 176 71.4 0.0 146.0

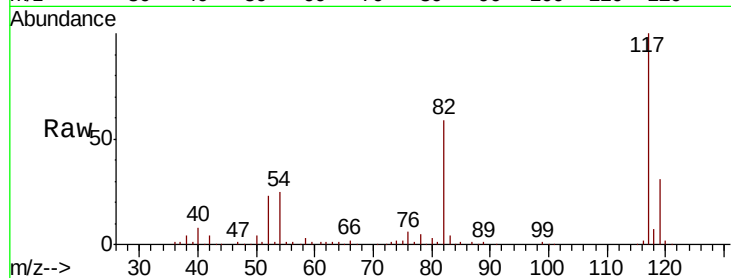




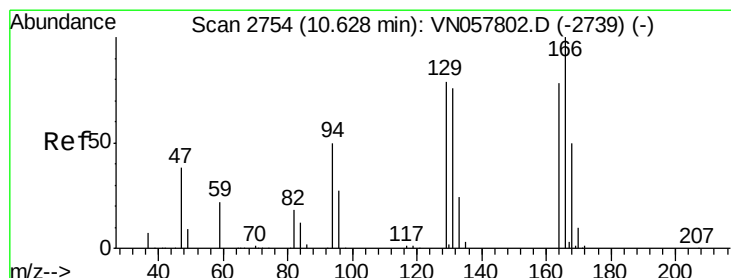
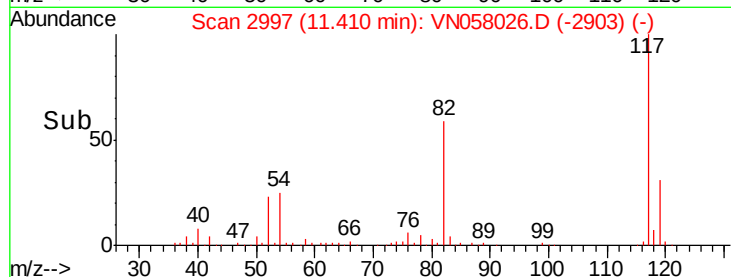
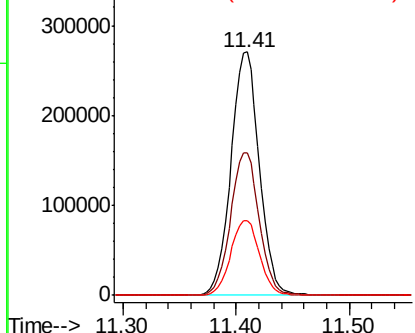
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-DECON-WATER-091119

Tgt Ion:117 Resp: 472795  
Ion Ratio Lower Upper  
117 100  
82 58.5 47.2 70.8  
119 30.8 25.3 37.9

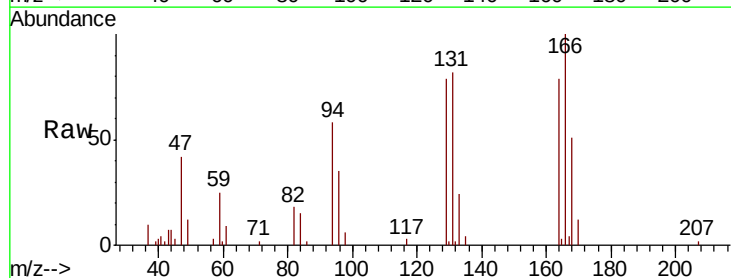


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

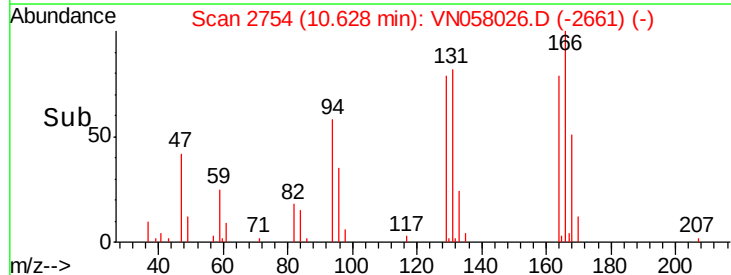
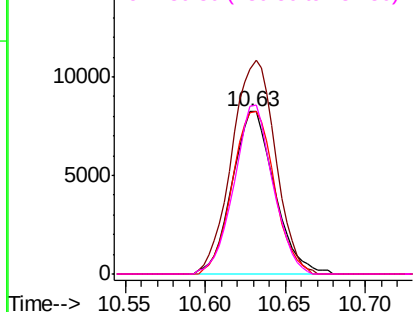


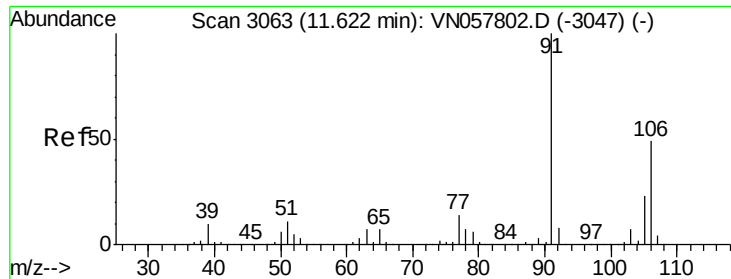
#64  
Tetrachloroethene  
Concen: 4.263 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion:164 Resp: 14881  
Ion Ratio Lower Upper  
164 100  
166 126.1 102.2 153.2  
129 99.7 80.8 121.2  
131 103.6 77.4 116.2



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

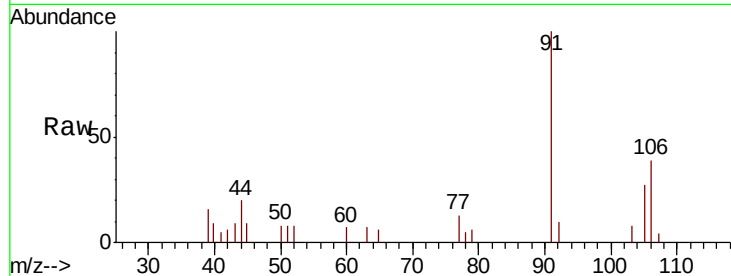




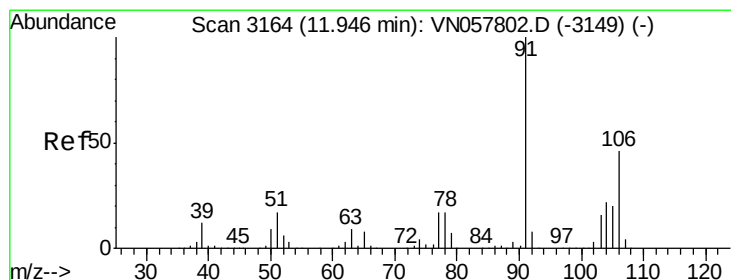
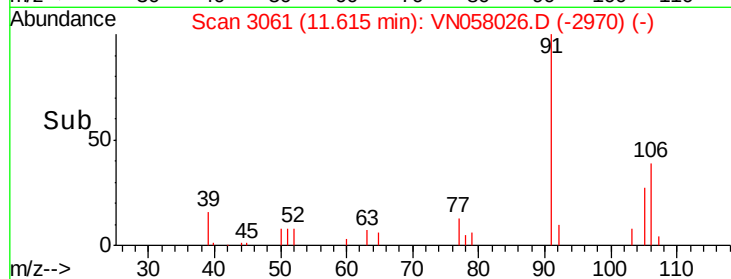
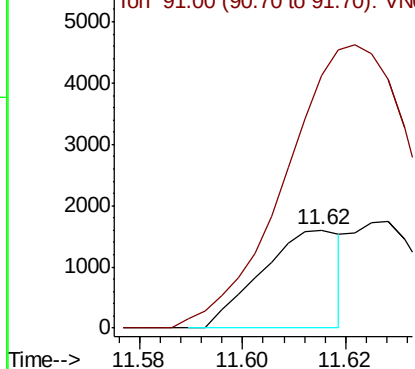
#68  
m/p-Xylenes  
Concen: 0.215 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
IDW-DECON-WATER-091119

Tgt Ion:106 Resp: 1706  
Ion Ratio Lower Upper  
106 100  
91 500.6 165.8 248.6#

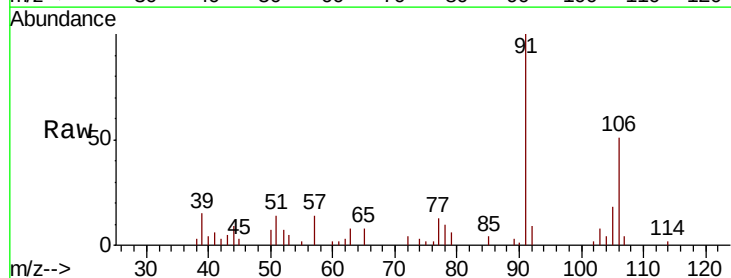


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

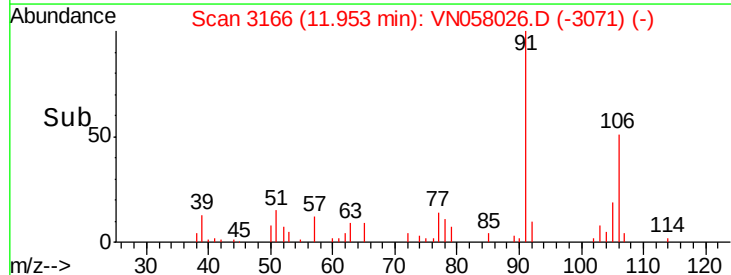
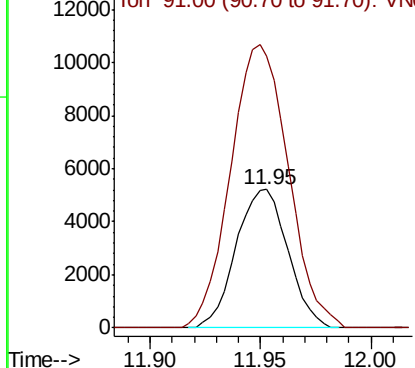


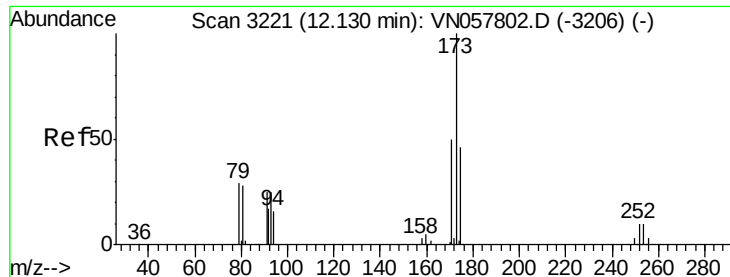
#69  
o-Xylene  
Concen: 1.075 ug/l  
RT: 11.95 min Scan# 3166  
Delta R.T. 0.01 min  
Lab File: VN058026.D  
Acq: 13 Sep 2019 19:01

Tgt Ion:106 Resp: 8489  
Ion Ratio Lower Upper  
106 100  
91 228.7 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.679 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

IDW-DECON-WATER-091119

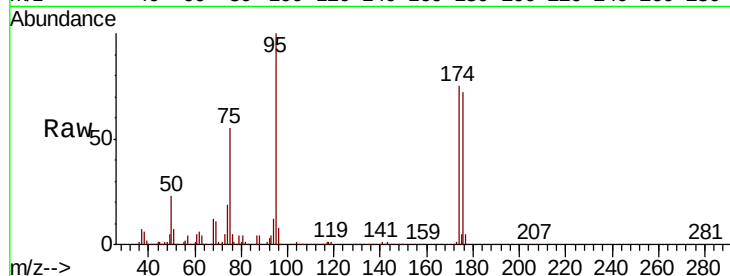
Tgt Ion:173 Resp: 1817

Ion Ratio Lower Upper

173 100

175 803.7 23.5 70.6#

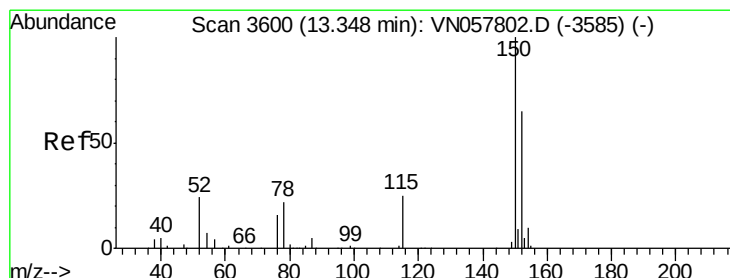
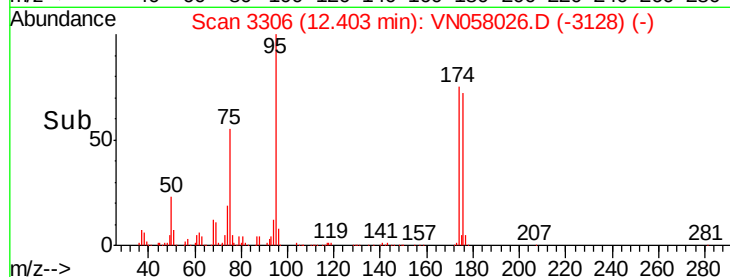
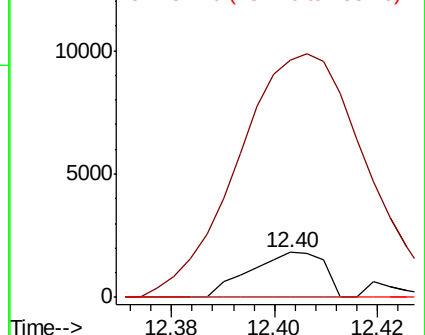
254 0.0 0.1 0.1#



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: VN058026.D

Acq: 13 Sep 2019 19:01

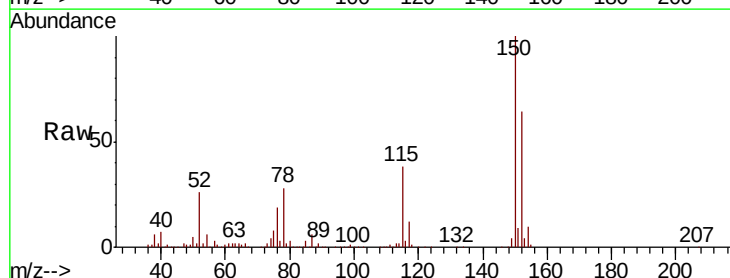
Tgt Ion:152 Resp: 241835

Ion Ratio Lower Upper

152 100

115 60.2 30.3 91.0

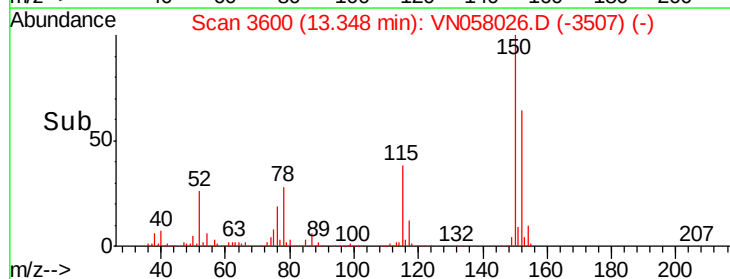
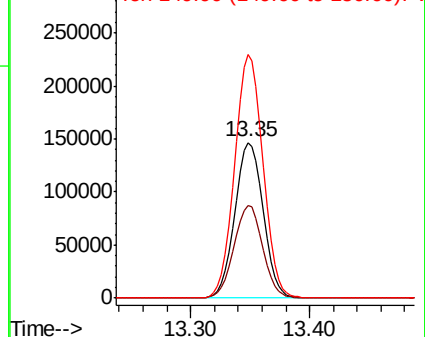
150 156.5 0.0 352.4

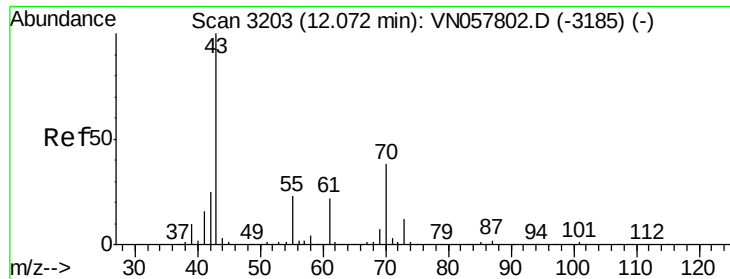


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 1.128 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

IDW-DECON-WATER-091119

Tgt Ion: 43 Resp: 9214

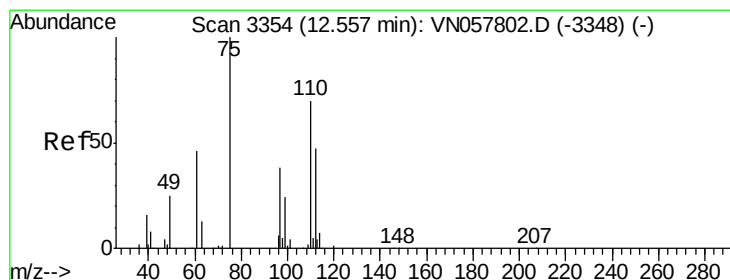
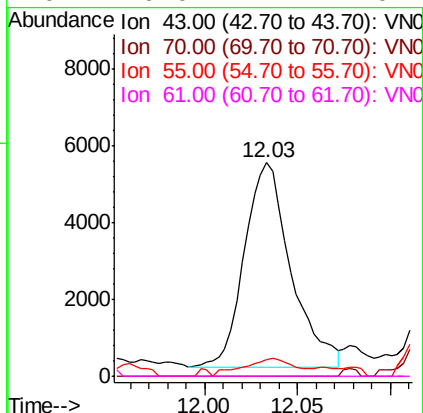
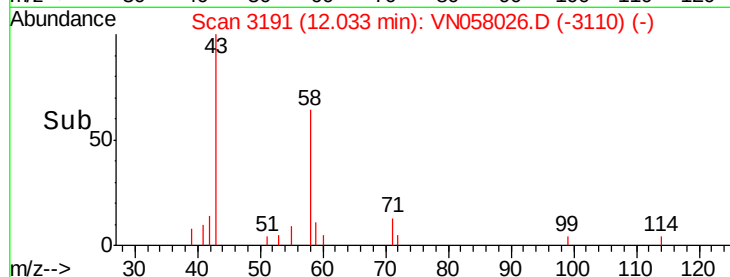
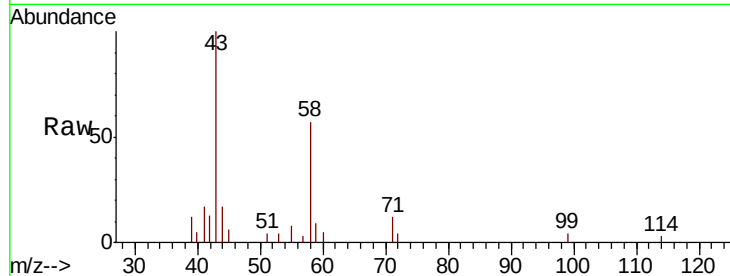
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 9.4 18.6 27.8#

61 0.0 17.4 26.2#



#76

1,2,3-Trichloropropane

Concen: 31.121 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058026.D

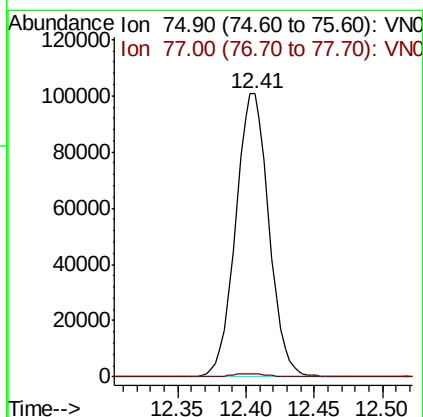
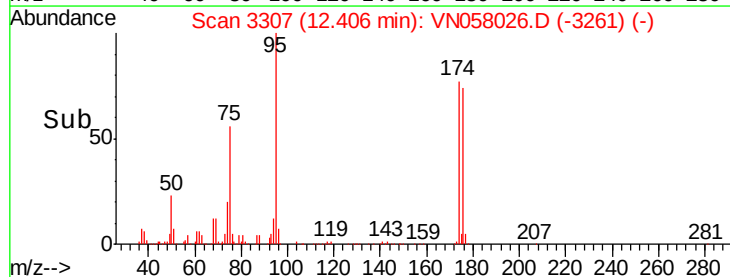
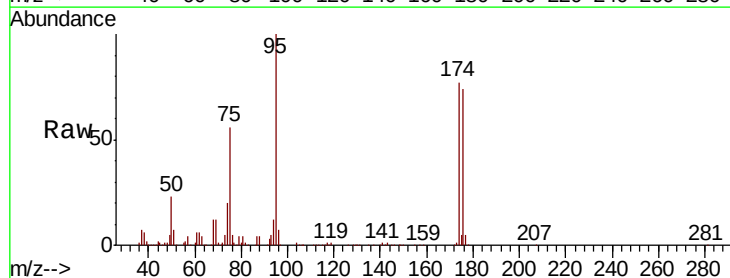
Acq: 13 Sep 2019 19:01

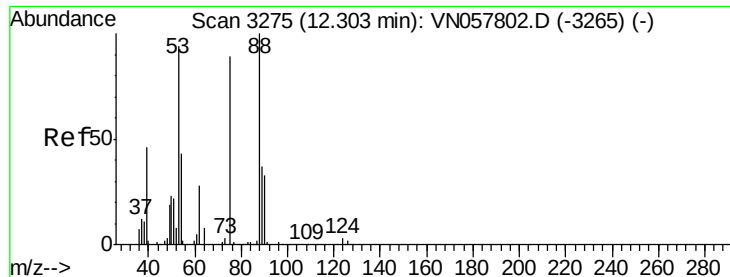
Tgt Ion: 75 Resp: 170256

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 109.516 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

IDW-DECON-WATER-091119

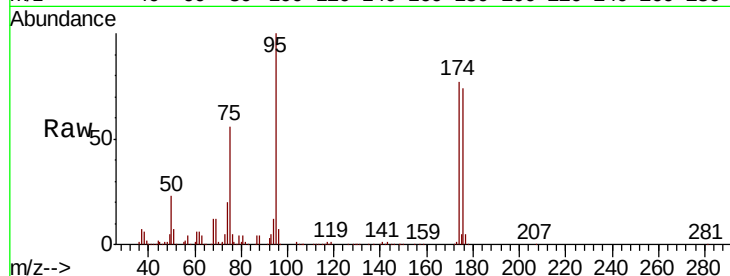
Tgt Ion: 75 Resp: 170256

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

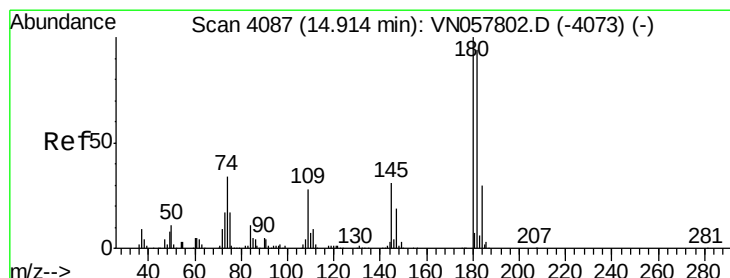
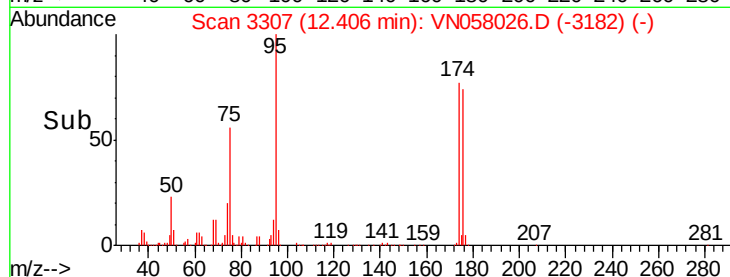
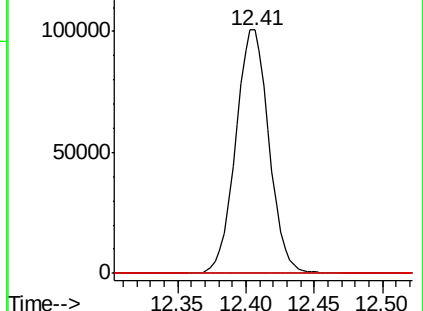
89 0.0 35.3 52.9#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.224 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

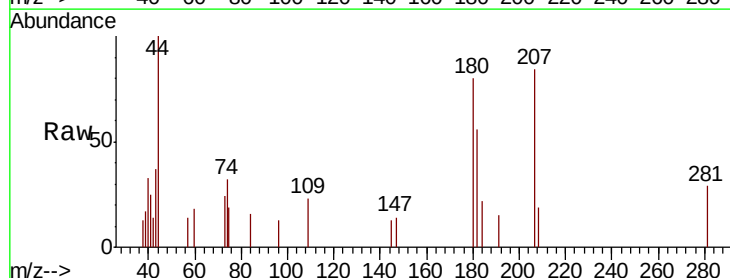
Tgt Ion: 180 Resp: 1257

Ion Ratio Lower Upper

180 100

182 89.3 46.9 140.8

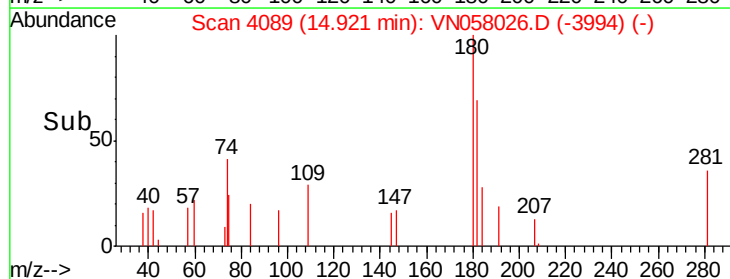
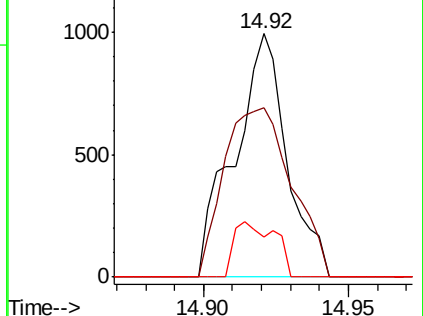
145 17.6 14.9 44.7

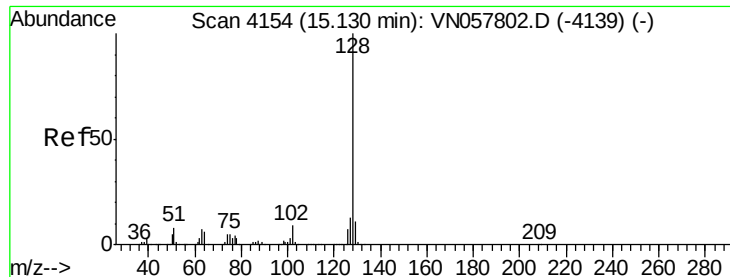


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

Instrument :

MSVOA\_N

ClientSampleId :

IDW-DECON-WATER-091119

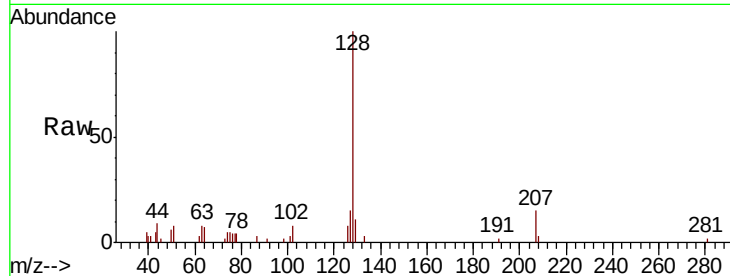
Tgt Ion:128 Resp: 16781

Ion Ratio Lower Upper

128 100

127 15.4 10.3 15.5

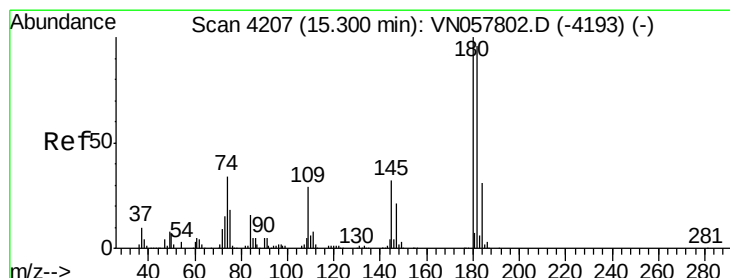
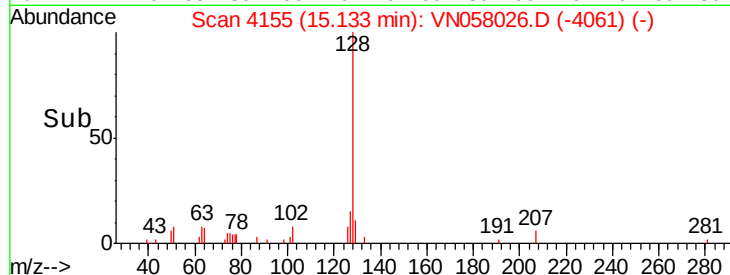
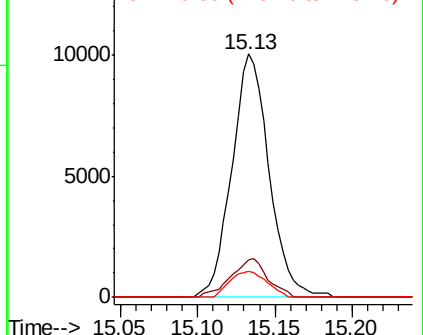
129 10.6 8.6 12.8



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: 1.253 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058026.D

Acq: 13 Sep 2019 19:01

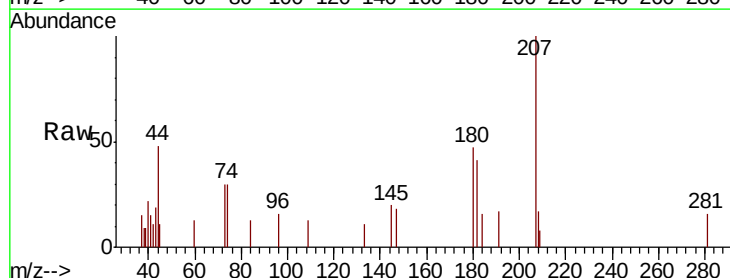
Tgt Ion:180 Resp: 1275

Ion Ratio Lower Upper

180 100

182 96.6 48.3 144.8

145 30.1 16.3 48.8



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

