

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\  
 Data File : VN061112.D  
 Acq On : 20 Apr 2020 19:15  
 Operator : JC/MD  
 Sample : L2330-20  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WB-TWP-3

Quant Time: Apr 21 04:02:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 17 03:49:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 143046   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 244204   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 230255   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 101653   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 98803    | 53.99  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 107.98% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 75139    | 52.69  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 105.38% |          |
| 50) Toluene-d8              | 10.08 | 98   | 302025   | 56.04  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 112.08% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 108570   | 51.40  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 102.80% |          |

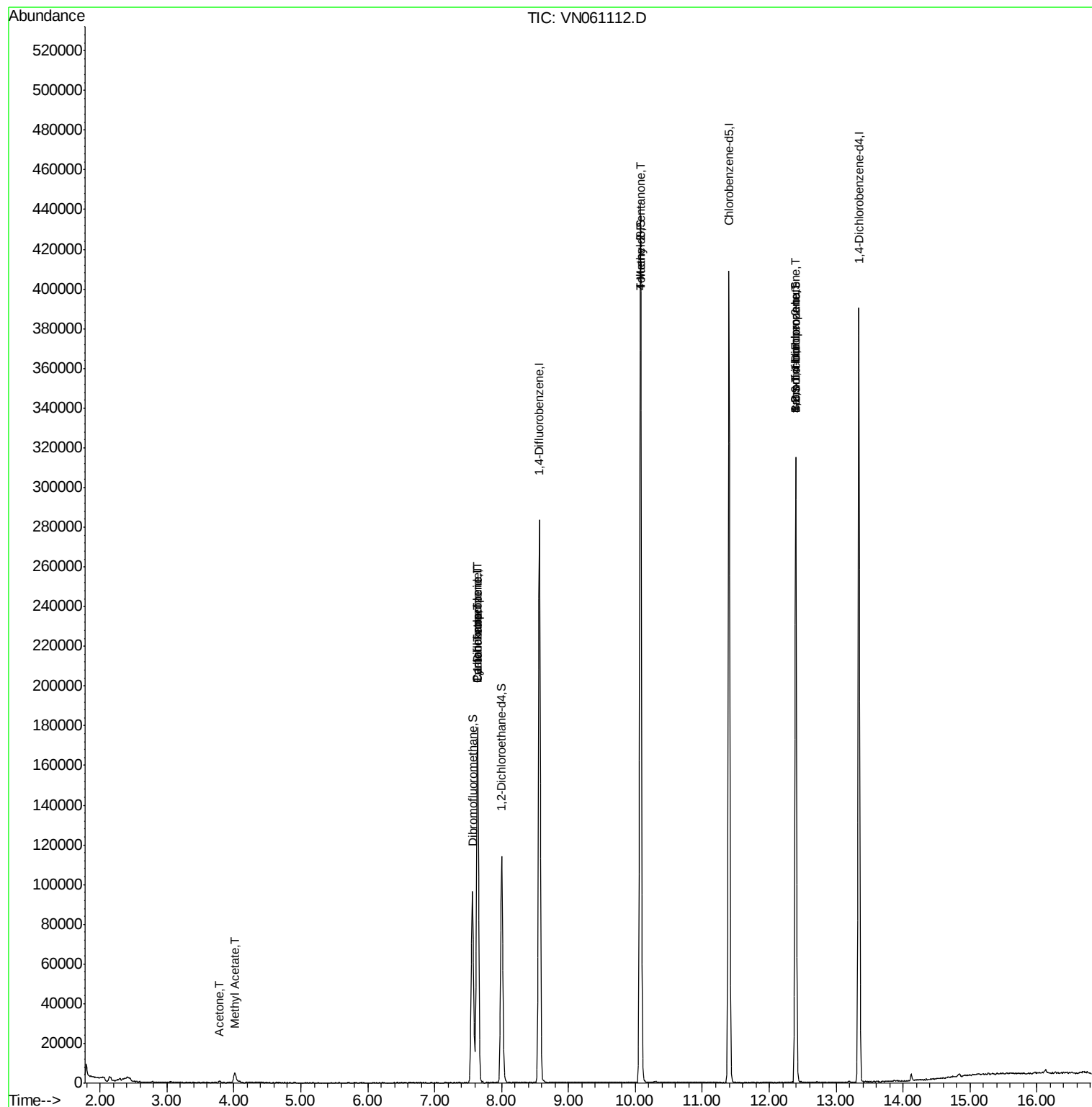
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 16) Acetone                    | 3.79  | 43   | 1472     | 1.827  | ug/l # | 88     |
| 18) Methyl Acetate             | 4.01  | 43   | 1992     | 0.789  | ug/l # | 54     |
| 31) Cyclohexane                | 7.64  | 56   | 3238     | 0.950  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 11630    | 4.615  | ug/l # | 50     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 14094    | 6.719  | ug/l # | 15     |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 1506     | 0.587  | ug/l # | 1      |
| 71) Bromoform                  | 12.40 | 173  | 419      | 0.330  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.39 | 75   | 56491    | 25.265 | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 56491    | 62.318 | ug/l # | 12     |

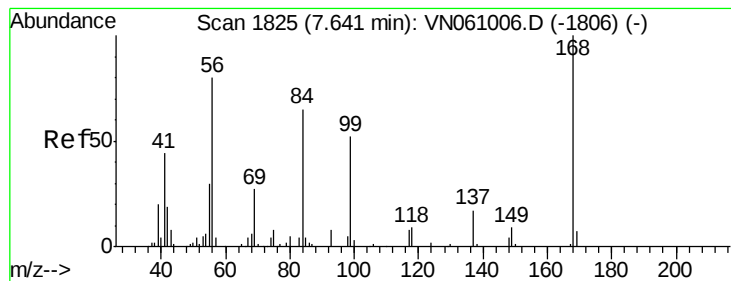
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Time: Apr 21 04:02:06 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 17 03:49:39 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061112.D

Acq: 20 Apr 2020 19:15

Instrument :

MSVOA\_N

ClientSampled :

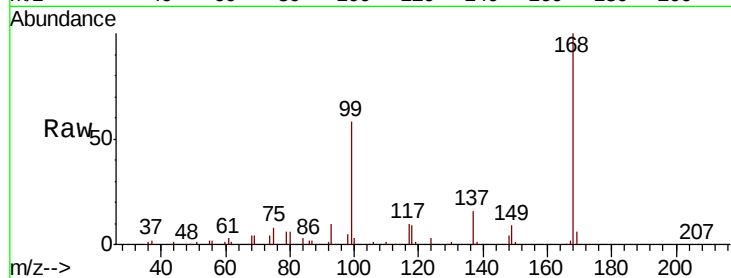
WB-TWP-3

Tot Ion:168 Resp: 143046

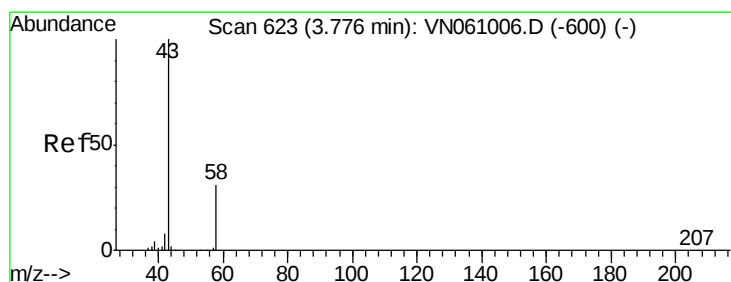
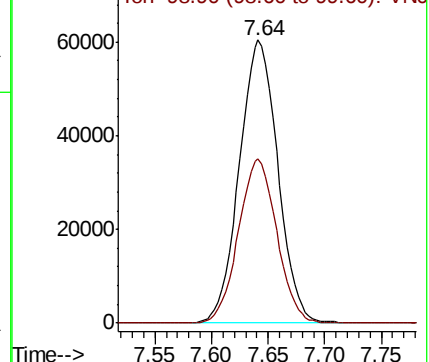
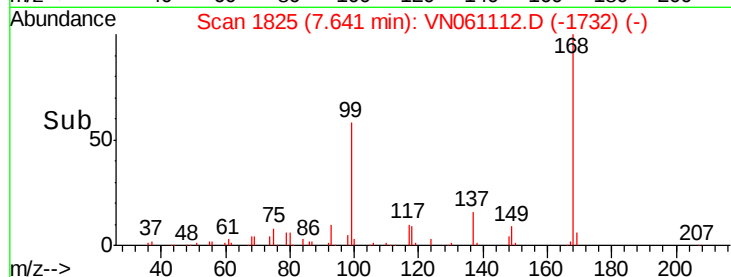
Ion Ratio Lower Upper

168 100

99 58.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061112.D (-1732) (-)



#16

Acetone

Concen: 1.827 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN061112.D

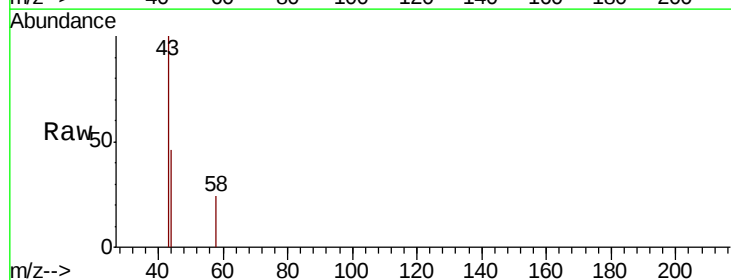
Acq: 20 Apr 2020 19:15

Tgt Ion: 43 Resp: 1472

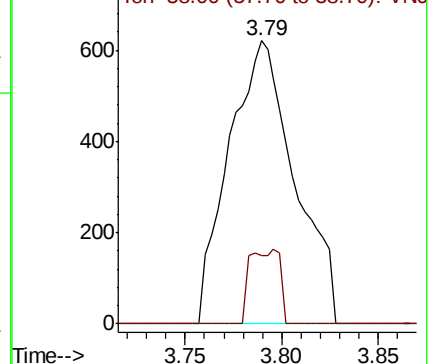
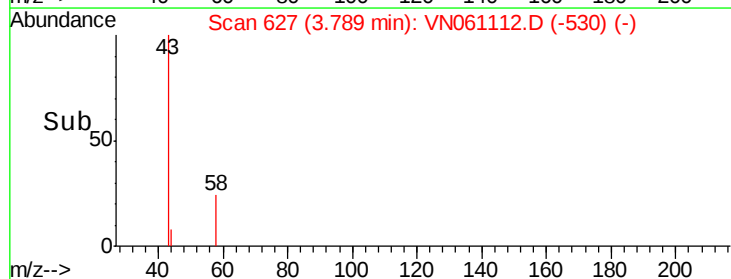
Ion Ratio Lower Upper

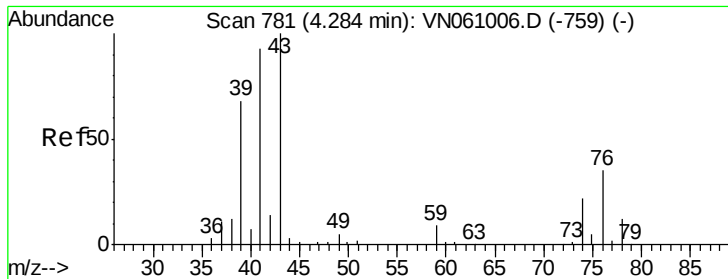
43 100

58 24.2 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061112.D (-530) (-)

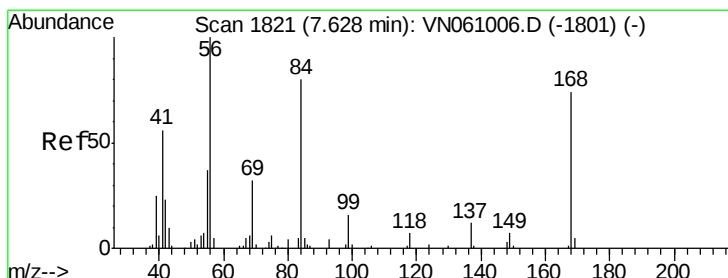
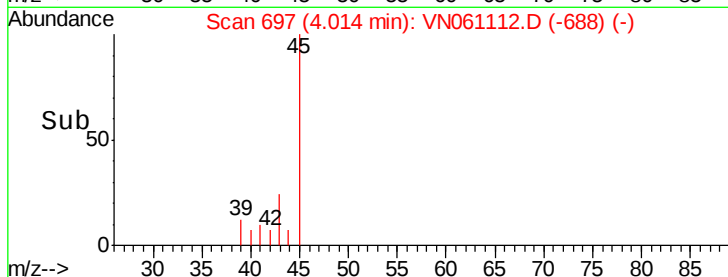
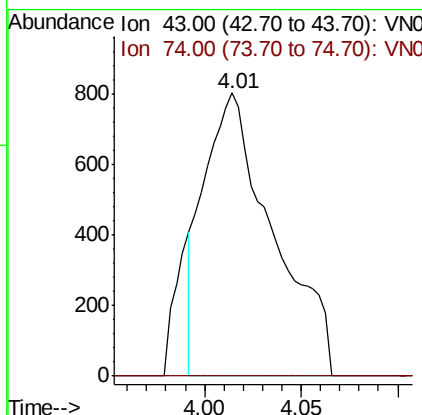
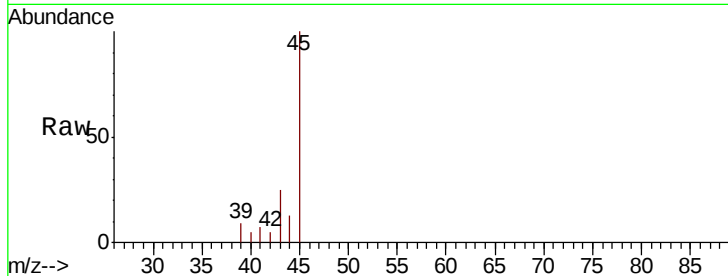




#18  
Methvl Acetate  
Concen: 0.789 ug/l  
RT: 4.01 min Scan# 697  
Delta R.T. -0.27 min  
Lab File: VN061112.D  
Acq: 20 Apr 2020 19:15

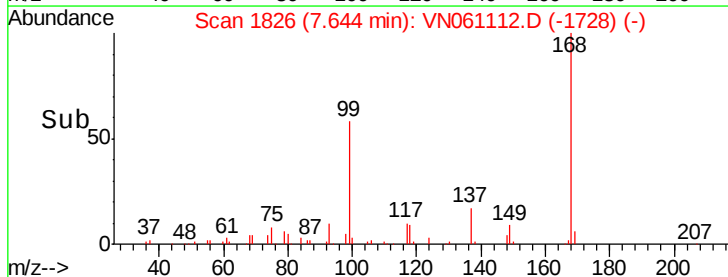
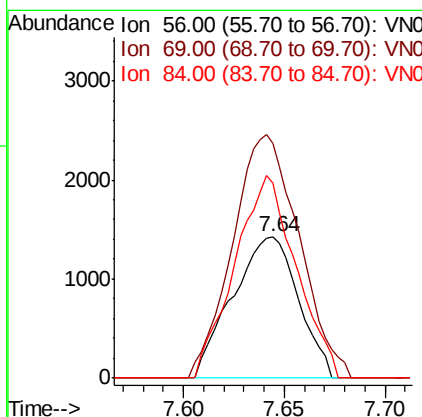
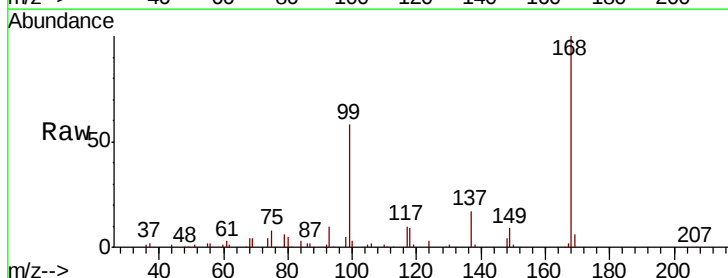
Instrument :  
MSVOA\_N  
ClientSampleId :  
WB-TWP-3

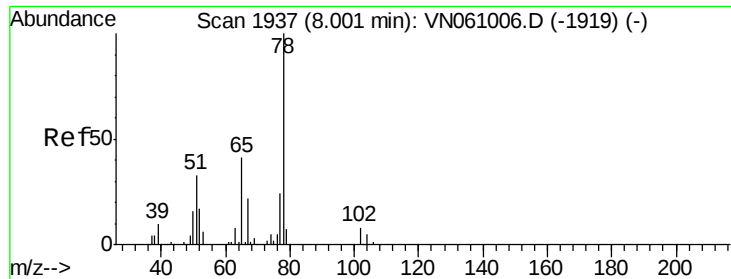
Tot Ion: 43 Resp: 1992  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.4 26.0#



#31  
Cyclohexane  
Concen: 0.950 ug/l  
RT: 7.64 min Scan# 1826  
Delta R.T. 0.02 min  
Lab File: VN061112.D  
Acq: 20 Apr 2020 19:15

Tgt Ion: 56 Resp: 3238  
Ion Ratio Lower Upper  
56 100  
69 166.1 25.6 38.4#  
84 137.2 63.4 95.2#





#33

1,2-Dichloroethane-d4

Concen: 53.985 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061112.D

Acq: 20 Apr 2020 19:15

Instrument :

MSVOA\_N

ClientSampleId :

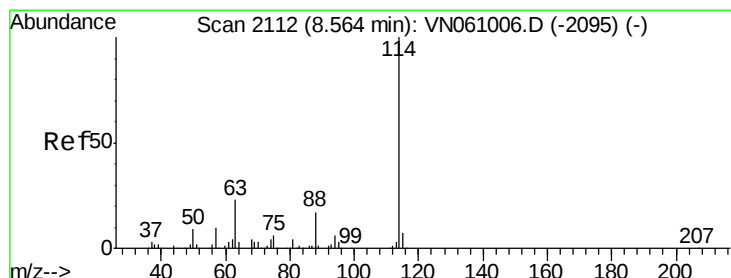
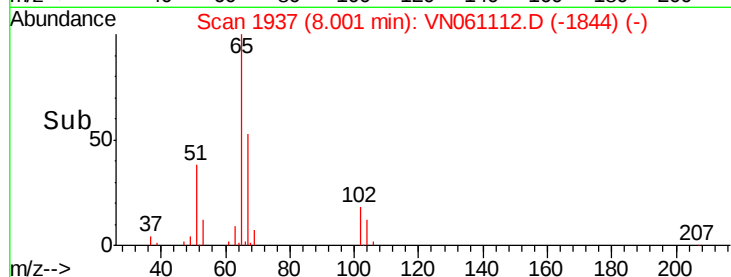
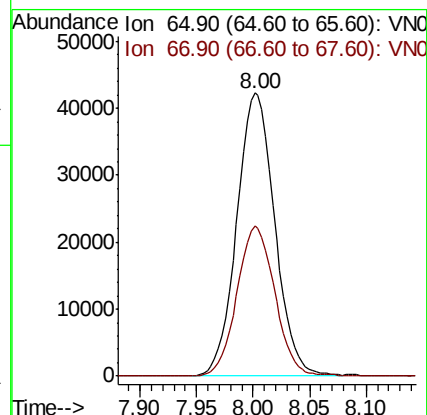
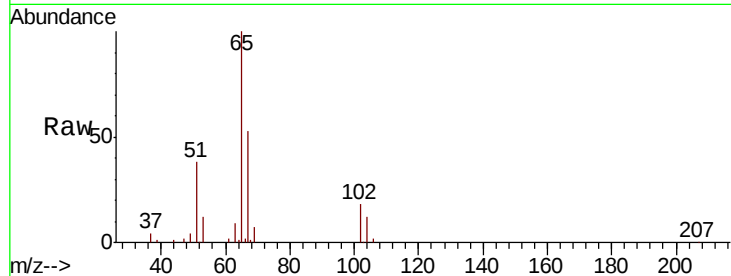
WB-TWP-3

Tot Ion: 65 Resp: 98803

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061112.D

Acq: 20 Apr 2020 19:15

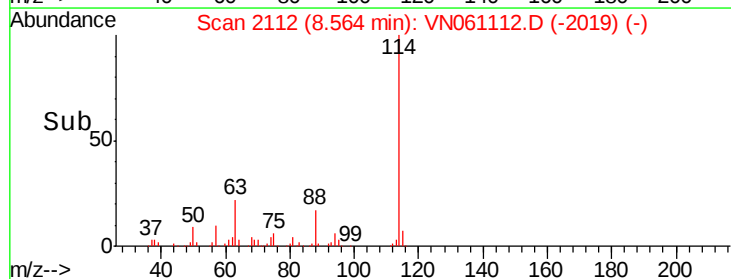
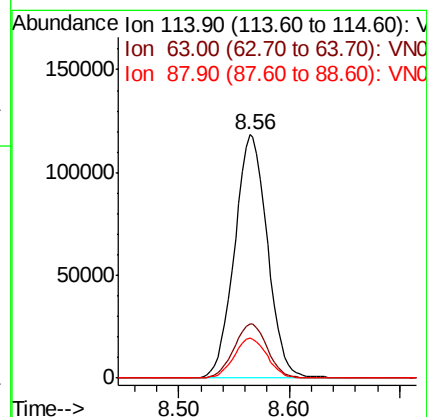
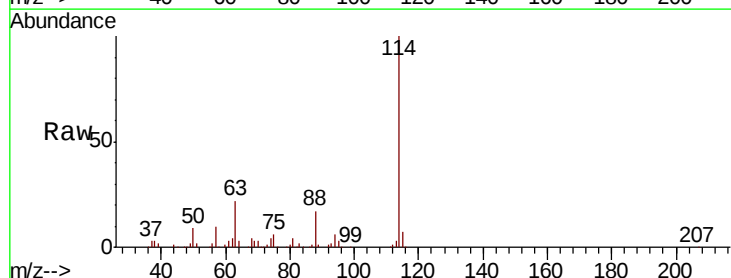
Tgt Ion: 114 Resp: 244204

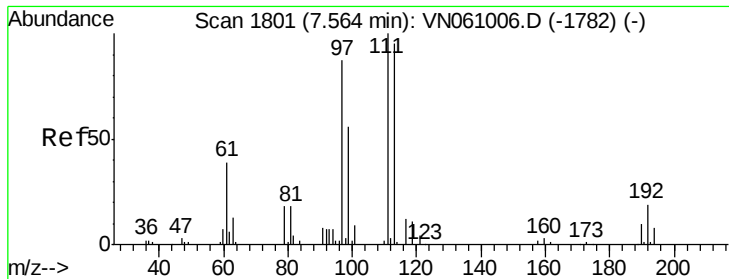
Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.2

88 16.6 0.0 33.4

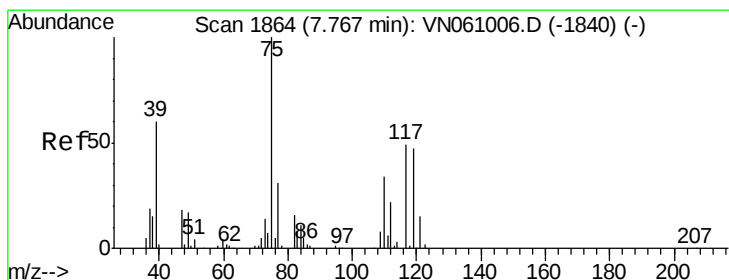
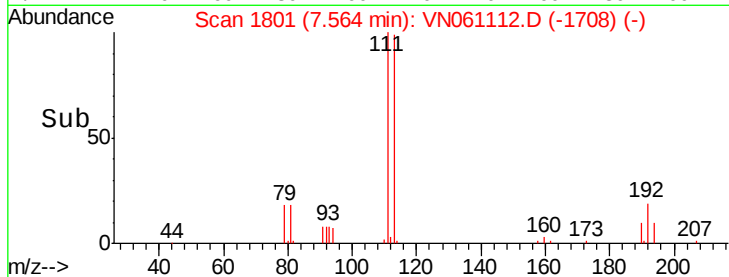
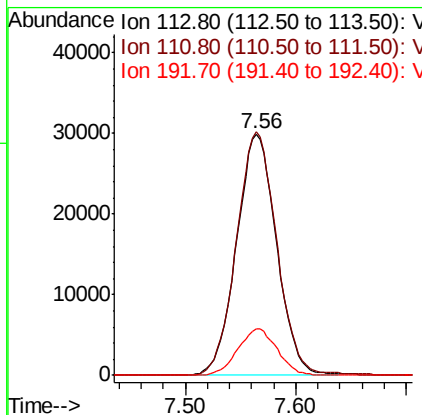
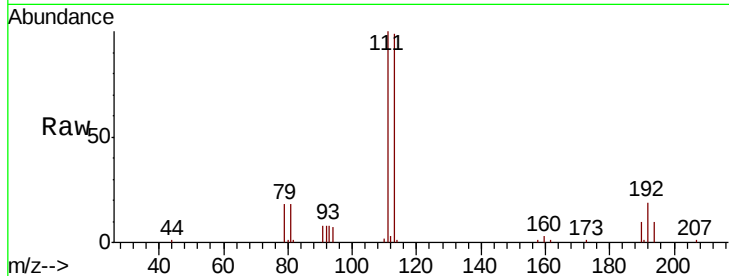




#35  
 Dibromofluoromethane  
 Concen: 52.688 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: VN061112.D  
 Acq: 20 Apr 2020 19:15

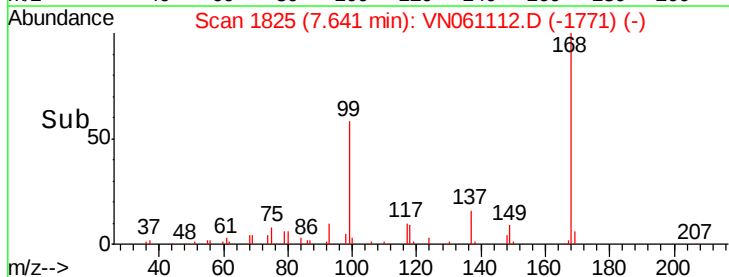
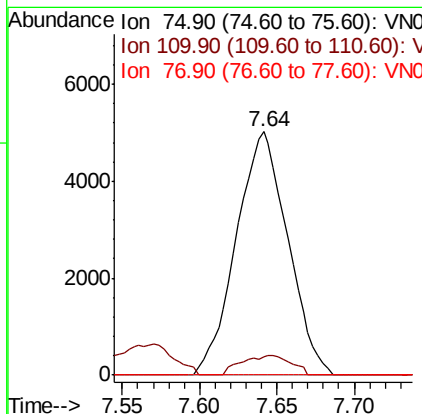
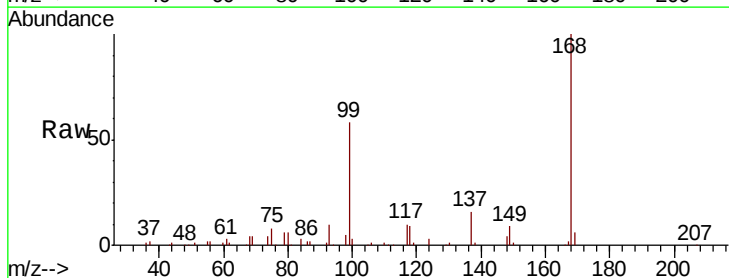
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WB-TWP-3

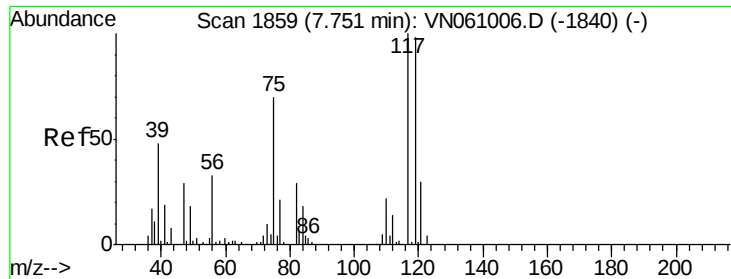
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.2 | 83.4  | 125.2 |
| 192     | 18.8  | 15.5  | 23.3  |



#36  
 1,1-Dichloropropene  
 Concen: 4.615 ug/l  
 RT: 7.64 min Scan# 1825  
 Delta R.T. -0.13 min  
 Lab File: VN061112.D  
 Acq: 20 Apr 2020 19:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 7.8   | 16.8  | 50.3# |
| 77      | 0.0   | 24.7  | 37.1# |

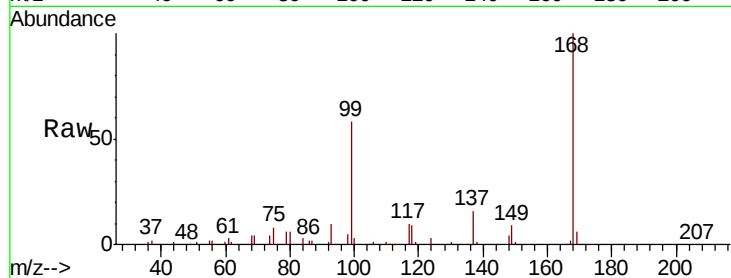




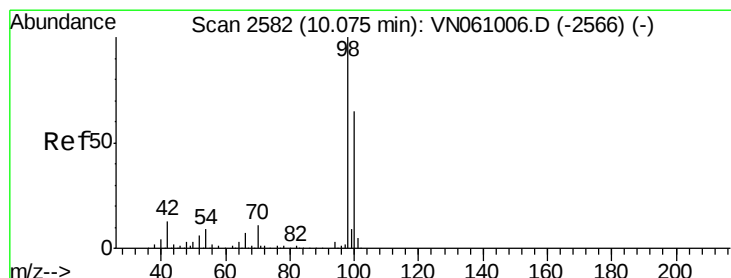
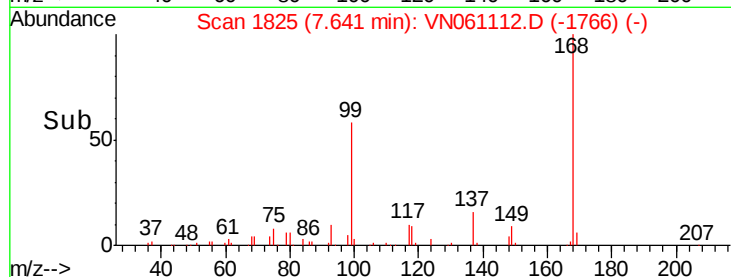
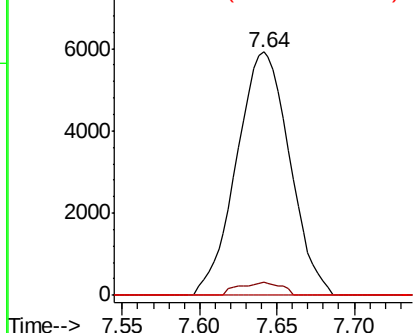
#38  
Carbon Tetrachloride  
Concen: 6.719 ug/l  
RT: 7.64 min Scan# 1825  
Delta R.T. -0.11 min  
Lab File: VN061112.D  
Acq: 20 Apr 2020 19:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
WB-TWP-3

Tot Ion:117 Resp: 14094  
Ion Ratio Lower Upper  
117 100  
119 5.2 78.1 117.1#  
121 0.0 24.0 36.0#

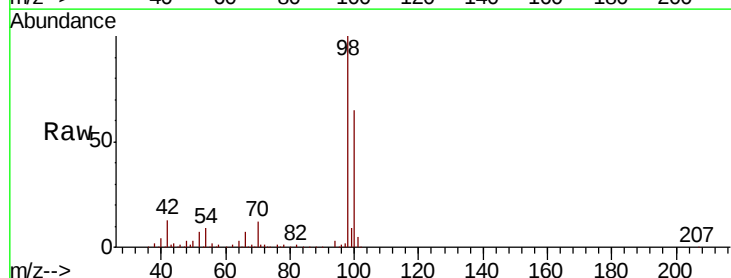


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

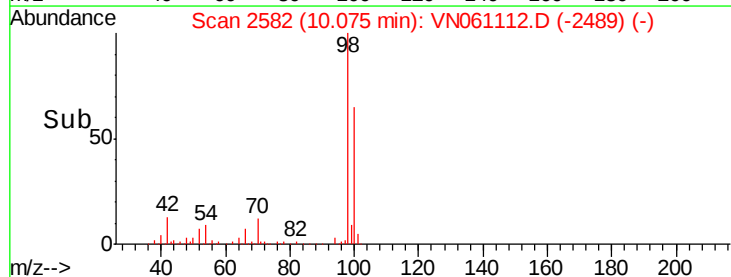
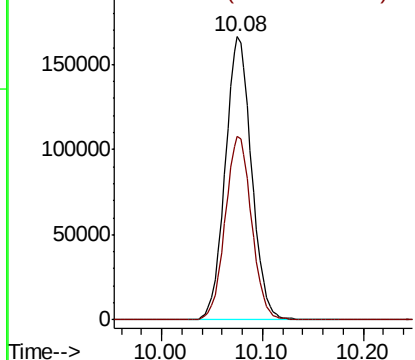


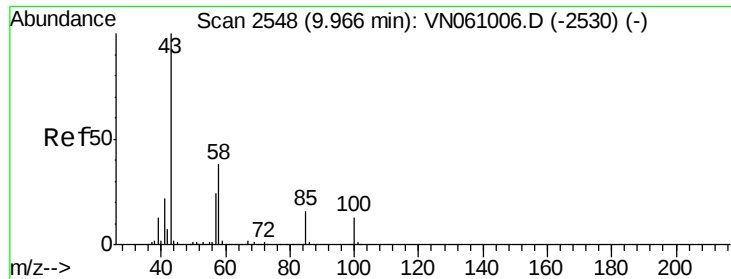
#50  
Toluene-d8  
Concen: 56.045 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. 0.00 min  
Lab File: VN061112.D  
Acq: 20 Apr 2020 19:15

Tgt Ion: 98 Resp: 302025  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.9 77.9



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

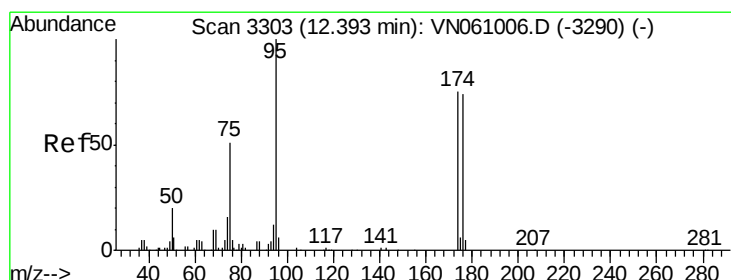
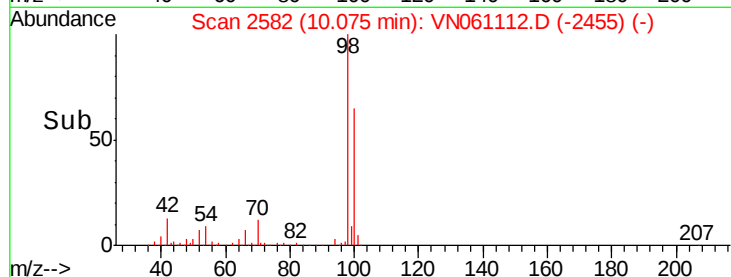
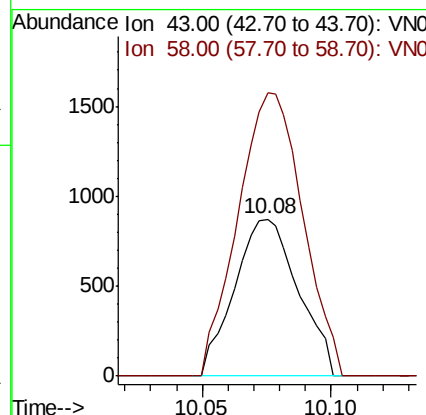
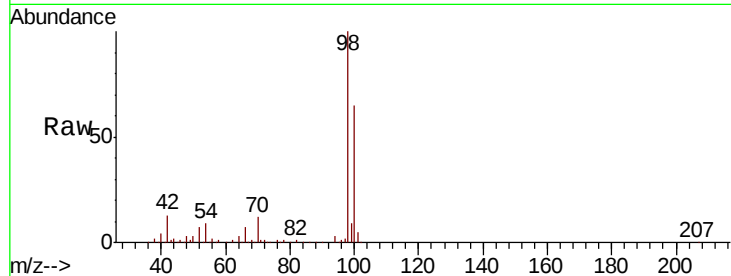




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.587 ug/l  
 RT: 10.08 min Scan# 2582  
 Delta R.T. 0.11 min  
 Lab File: VN061112.D  
 Acq: 20 Apr 2020 19:15

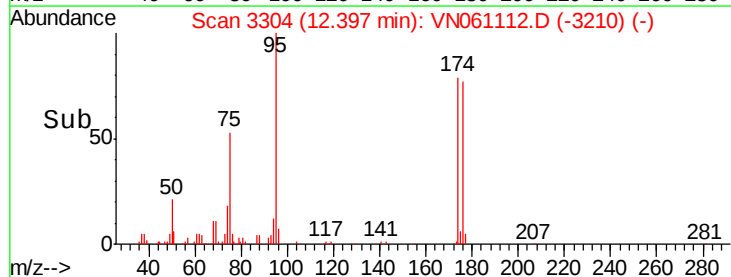
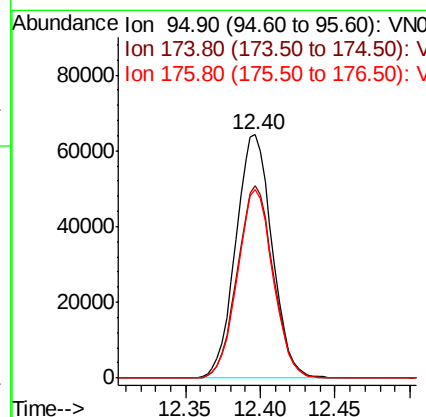
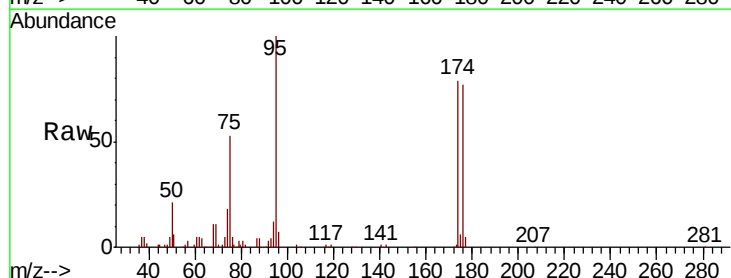
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WB-TWP-3

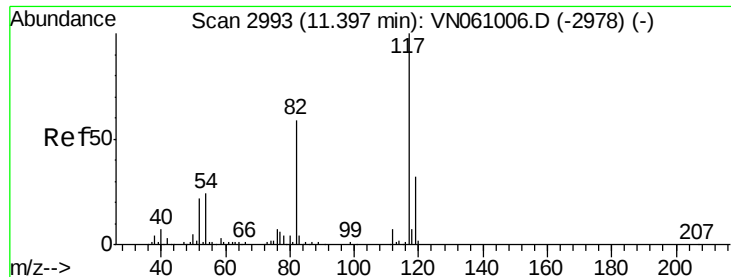
Tot Ion: 43 Resp: 1506  
 Ion Ratio Lower Upper  
 43 100  
 58 183.3 30.3 45.5#



#62  
 4-Bromofluorobenzene  
 Concen: 51.403 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN061112.D  
 Acq: 20 Apr 2020 19:15

Tgt Ion: 95 Resp: 108570  
 Ion Ratio Lower Upper  
 95 100  
 174 78.3 0.0 151.2  
 176 76.0 0.0 148.2

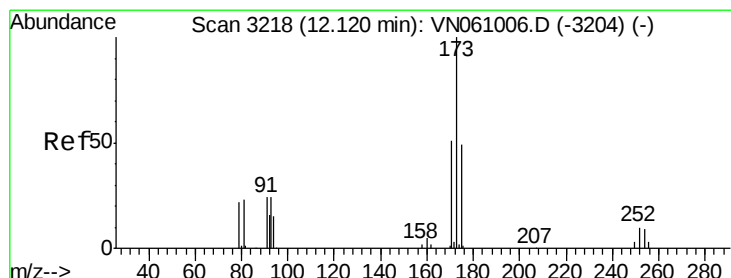
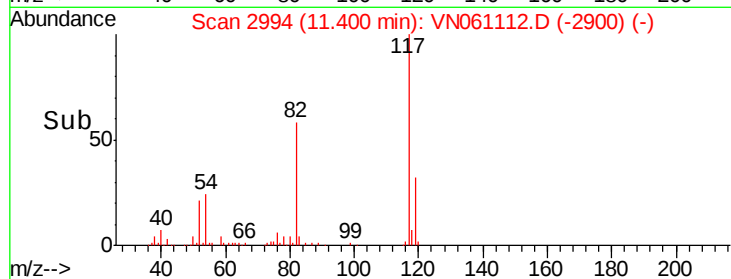
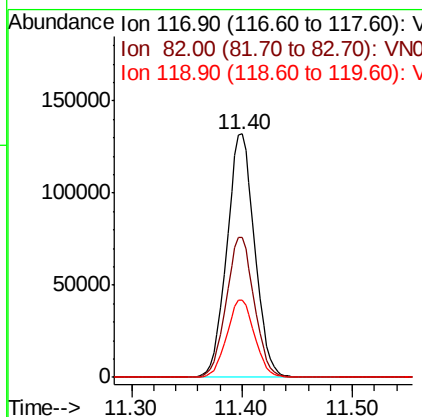
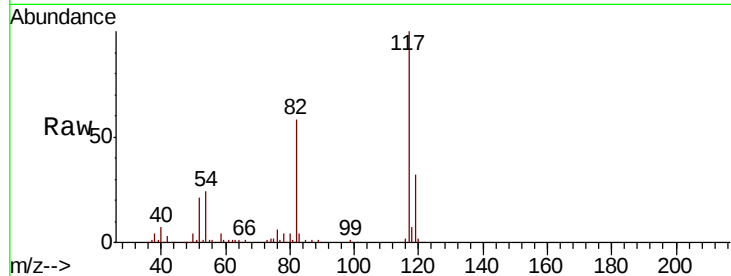




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN061112.D  
Acq: 20 Apr 2020 19:15

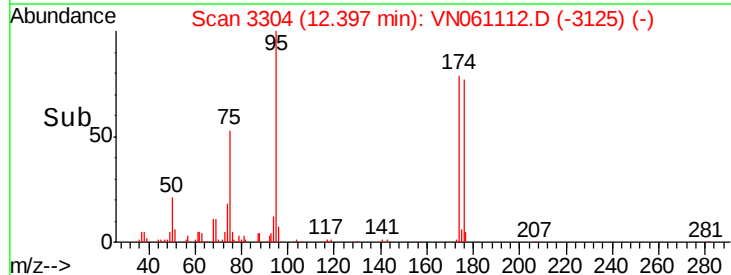
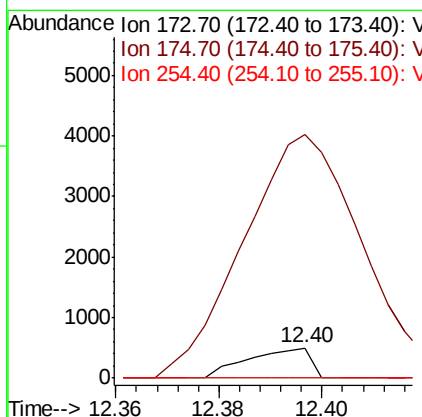
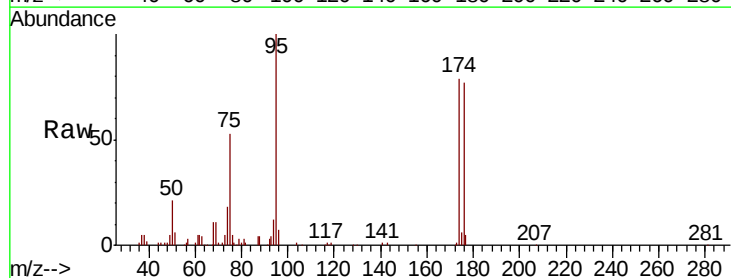
Instrument :  
MSVOA\_N  
ClientSampleId :  
WB-TWP-3

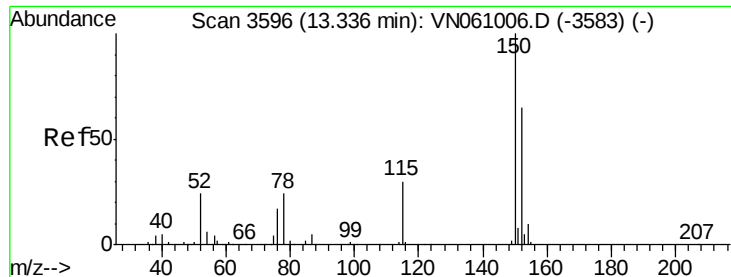
Tot Ion:117 Resp: 230255  
Ion Ratio Lower Upper  
117 100  
82 57.6 47.1 70.7  
119 31.9 25.7 38.5



#71  
Bromoform  
Concen: 0.330 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.28 min  
Lab File: VN061112.D  
Acq: 20 Apr 2020 19:15

Tgt Ion:173 Resp: 419  
Ion Ratio Lower Upper  
173 100  
175 1309.1 24.5 73.5#  
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061112.D

Acq: 20 Apr 2020 19:15

Instrument :

MSVOA\_N

ClientSampled :

WB-TWP-3

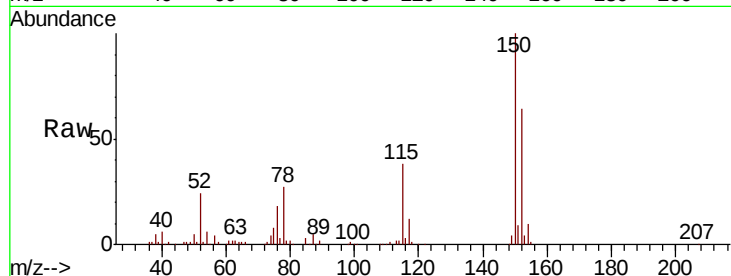
Tot Ion:152 Resp: 101653

Ion Ratio Lower Upper

152 100

115 59.4 30.8 92.4

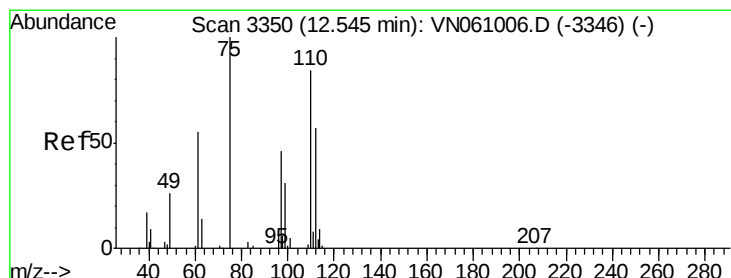
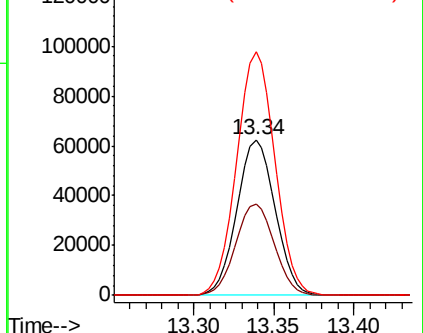
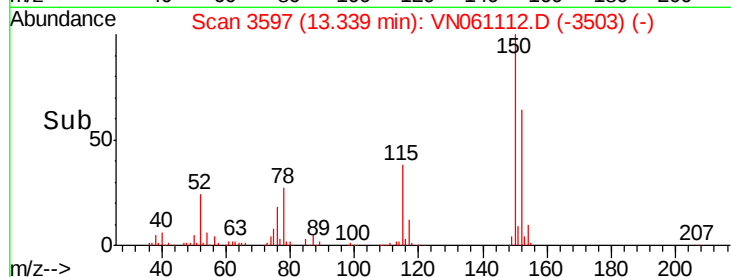
150 156.5 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 25.265 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061112.D

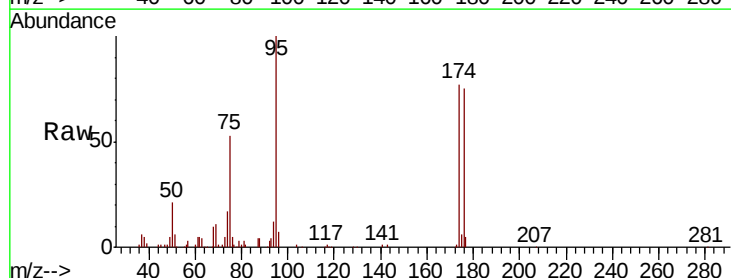
Acq: 20 Apr 2020 19:15

Tgt Ion: 75 Resp: 56491

Ion Ratio Lower Upper

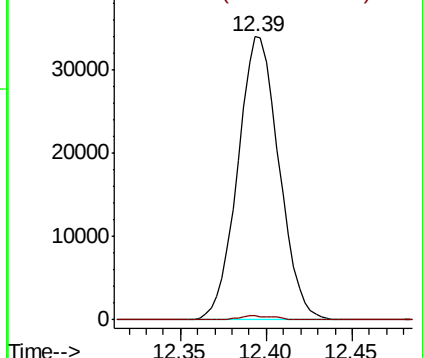
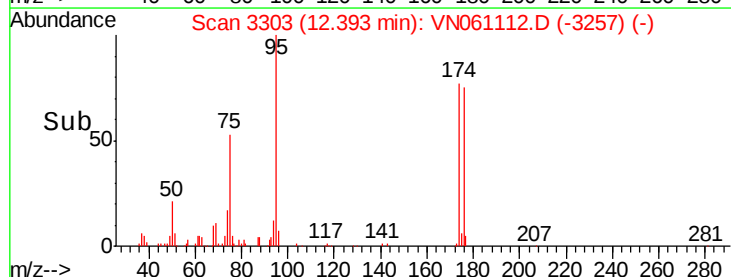
75 100

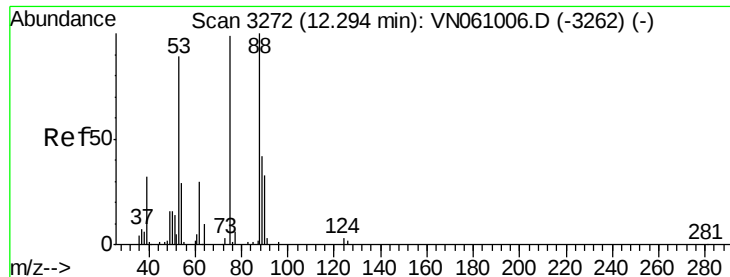
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

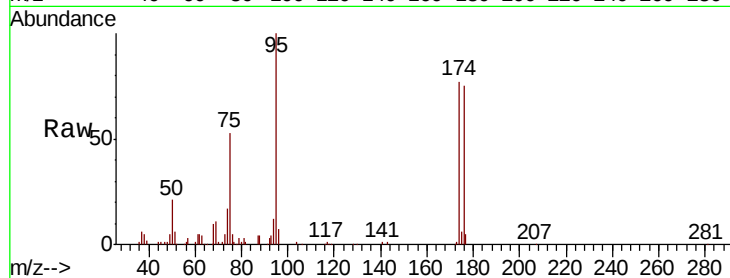




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 62.318 ug/l  
 RT: 12.39 min Scan# 3303  
 Delta R.T. 0.10 min  
 Lab File: VN061112.D  
 Acq: 20 Apr 2020 19:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 WB-TWP-3

Tot Ion: 75 Resp: 56491  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.7 112.1#  
 89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO  
 Ion 53.00 (52.70 to 53.70): VNO  
 Ion 88.90 (88.60 to 89.60): VNO

