

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\  
 Data File : VN050065.D  
 Acq On : 26 Jul 2018 00:44  
 Operator : MD\SY  
 Sample : J4135-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CON-WC-S-3-0-11

Quant Time: Jul 26 06:59:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 24 06:27:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 608884   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1020962  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 856189   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 347650   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 444778   | 52.36 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.72% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 391626   | 46.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.96%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1383589  | 45.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.30%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 385860   | 38.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 76.48%  |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 5) Bromomethane                | 2.57  | 94   | 456      | Below Cal | #     | 75     |
| 14) Allyl chloride             | 4.56  | 41   | 26700    | 2.45      | ug/l  | # 24   |
| 16) Acetone                    | 3.83  | 43   | 25385    | 8.49      | ug/l  | 95     |
| 18) Methyl Acetate             | 4.34  | 43   | 29148    | 2.19      | ug/l  | 93     |
| 20) Methylene Chloride         | 4.55  | 84   | 769439   | 103.49    | ug/l  | 99     |
| 25) 2-Butanone                 | 6.85  | 43   | 6115     | 1.89      | ug/l  | # 89   |
| 28) Bromochloromethane         | 7.38  | 49   | 2345     | 0.36      | ug/l  | # 10   |
| 29) Tetrahydrofuran            | 7.22  | 42   | 974      | 0.47      | ug/l  | # 88   |
| 30) Chloroform                 | 7.38  | 83   | 29666    | 2.06      | ug/l  | 98     |
| 31) Cyclohexane                | 7.66  | 56   | 11770    | 0.94      | ug/l  | # 1    |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 43737    | 3.80      | ug/l  | # 48   |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 55622    | 4.56      | ug/l  | # 16   |
| 41) Methacrylonitrile          | 7.21  | 41   | 600      | 2.88      | ug/l  | # 20   |
| 43) Isopropyl Acetate          | 8.17  | 43   | 275630   | 17.50     | ug/l  | # 91   |
| 47) Bromodichloromethane       | 9.40  | 83   | 8096     | 0.67      | ug/l  | 93     |
| 48) Methyl methacrylate        | 9.18  | 41   | 8372     | 1.21      | ug/l  | # 21   |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 3047     | 0.39      | ug/l  | # 85   |
| 52) Toluene                    | 10.16 | 92   | 11037    | 0.53      | ug/l  | 97     |
| 56) Ethyl methacrylate         | 10.23 | 69   | 2479     | 2.24      | ug/l  | # 92   |
| 59) 2-Hexanone                 | 10.77 | 43   | 14930    | 7.70      | ug/l  | # 56   |
| 60) Dibromochloromethane       | 10.90 | 129  | 2150     | 0.24      | ug/l  | 87     |
| 67) Ethyl Benzene              | 11.51 | 91   | 22967    | 0.66      | ug/l  | 96     |
| 68) m/p-Xylenes                | 11.62 | 106  | 21549    | 1.64      | ug/l  | 95     |
| 69) o-Xylene                   | 11.95 | 106  | 9770     | 0.78      | ug/l  | 98     |
| 70) Styrene                    | 11.97 | 104  | 7902     | 1.27      | ug/l  | # 75   |
| 71) Bromoform                  | 12.41 | 173  | 3736     | 0.62      | ug/l  | # 1    |
| 75) 1,1,2,2-Tetrachloroethane  | 12.41 | 83   | 98       | Below Cal | #     | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 190001   | 29.41     | ug/l  | # 100  |
| 77) Bromobenzene               | 12.52 | 156  | 3613     | 0.48      | ug/l  | # 1    |
| 78) n-propylbenzene            | 12.59 | 91   | 10013    | 0.33      | ug/l  | 99     |
| 79) 2-Chlorotoluene            | 12.66 | 91   | 9105     | 0.49      | ug/l  | # 43   |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 24511    | 1.16      | ug/l  | 95     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 190001   | 93.28     | ug/l  | # 13   |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 80503    | 3.77      | ug/l  | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\  
Data File : VN050065.D  
Acq On : 26 Jul 2018 00:44  
Operator : MD\SY  
Sample : J4135-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 33 Sample Multiplier: 1

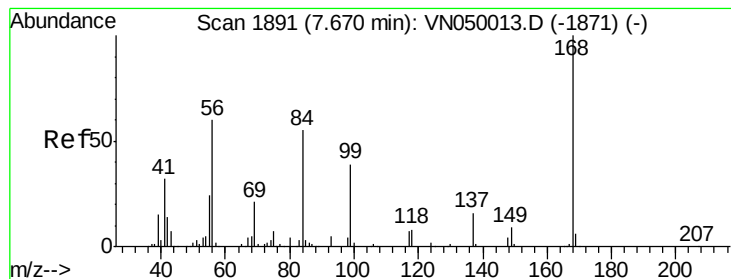
Instrument :  
MSVOA\_N  
ClientSampleId :  
CON-WC-S-3-0-11

Quant Time: Jul 26 06:59:32 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 24 06:27:04 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 90) Hexachloroethane           | 13.89 | 117  | 5896     | 1.27      | ug/l # | 4        |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 636      | Below Cal | #      | 1        |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 7745     | 4.17      | ug/l # | 72       |
| 95) Naphthalene                | 15.14 | 128  | 740909   | 46.96     | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene     | 15.32 | 180  | 1370     | 2.41      | ug/l # | 64       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

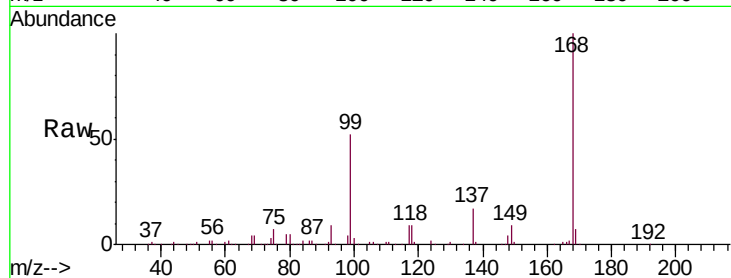
CON-WC-S-3-0-11

Tot Ion:168 Resp: 608884

Ion Ratio Lower Upper

168 100

99 52.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050013.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050013.D (-1871) (-)

7.67

250000

200000

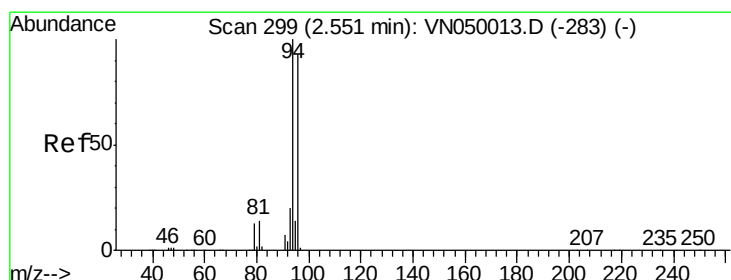
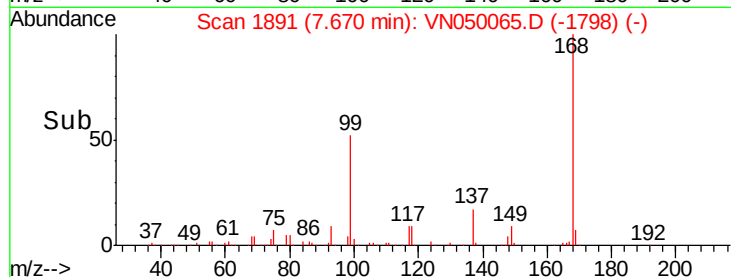
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN050065.D

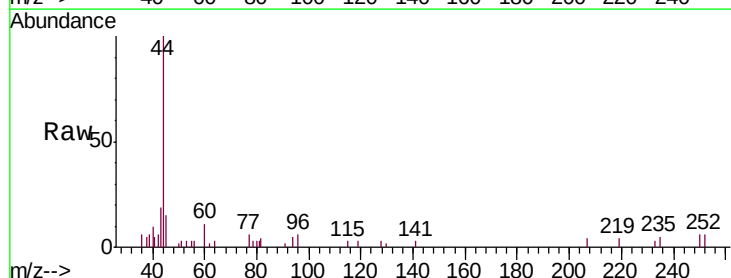
Acq: 26 Jul 2018 00:44

Tgt Ion: 94 Resp: 456

Ion Ratio Lower Upper

94 100

96 117.1 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050013.D (-283) (-)

Ion 95.90 (95.60 to 96.60): VN050013.D (-283) (-)

2.57

400

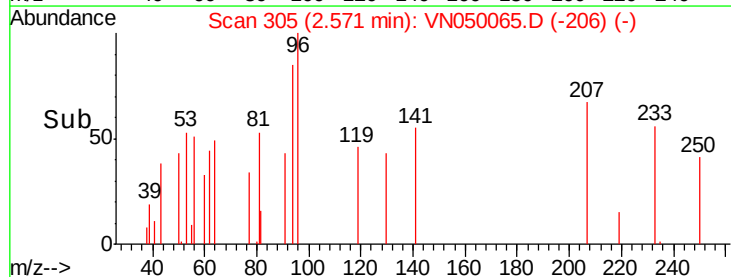
300

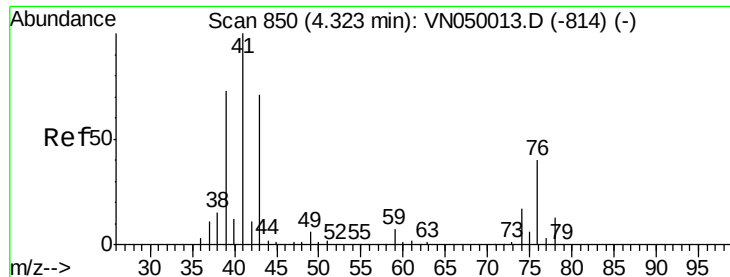
200

100

0

Time-->

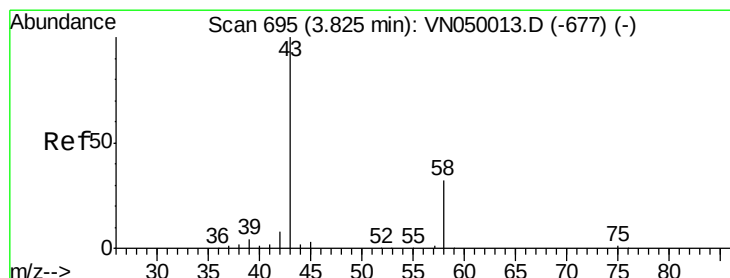
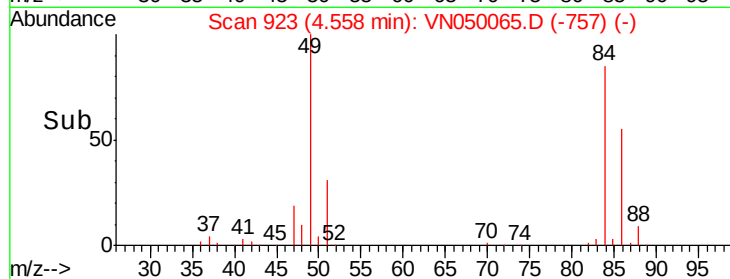
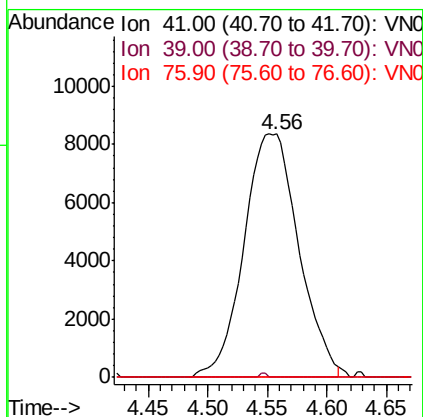
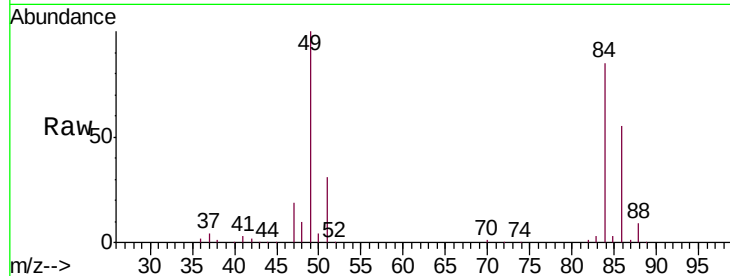




#14  
Allvl chloride  
Concen: 2.45 ug/l  
RT: 4.56 min Scan# 923  
Delta R.T. 0.23 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

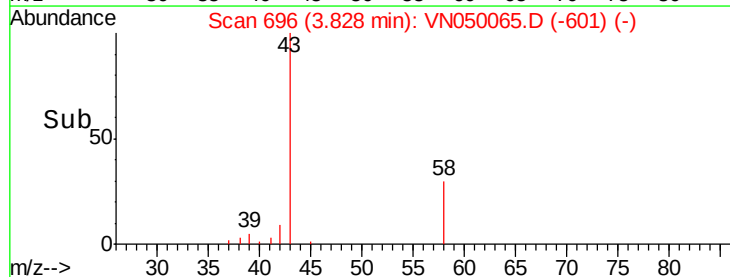
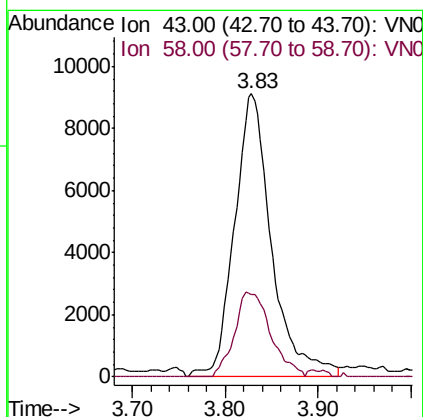
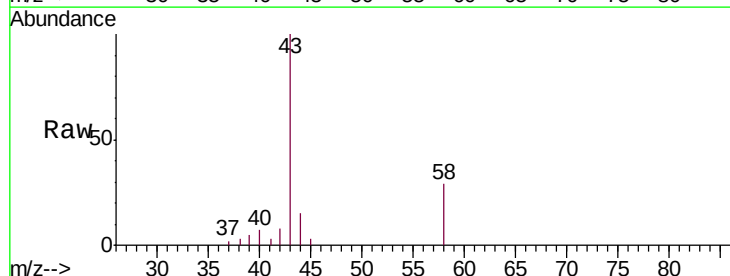
Instrument :  
MSVOA\_N  
ClientSampled :  
CON-WC-S-3-0-11

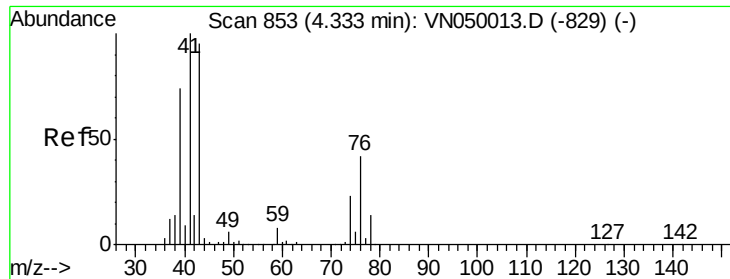
Tot Ion: 41 Resp: 26700  
Ion Ratio Lower Upper  
41 100  
39 0.2 54.2 81.4#  
76 0.0 29.0 43.6#



#16  
Acetone  
Concen: 8.49 ug/l  
RT: 3.83 min Scan# 696  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Tgt Ion: 43 Resp: 25385  
Ion Ratio Lower Upper  
43 100  
58 29.3 25.8 38.8

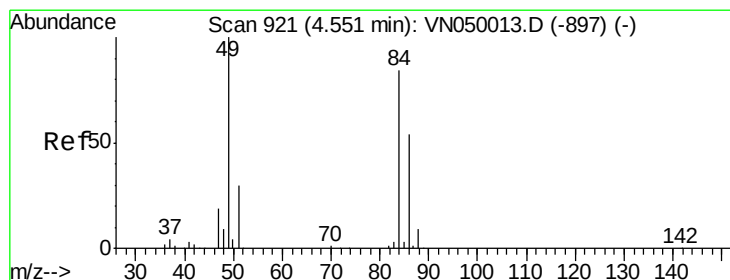
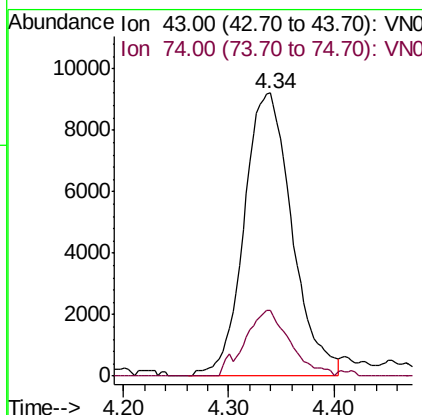
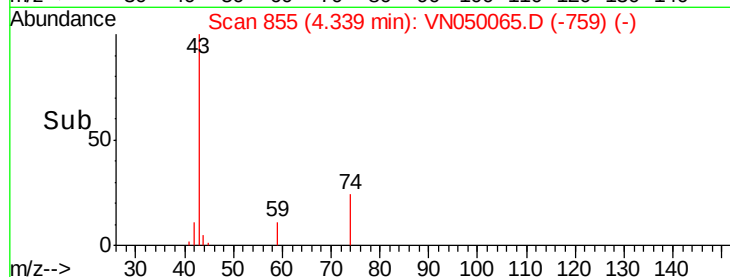
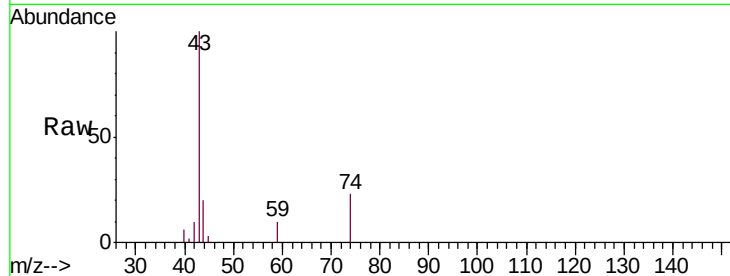




#18  
Methvl Acetate  
Concen: 2.19 ug/l  
RT: 4.34 min Scan# 855  
Delta R.T. 0.01 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

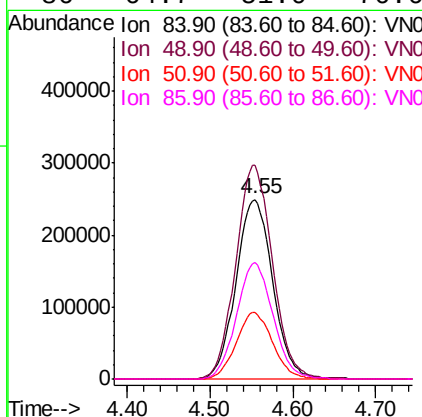
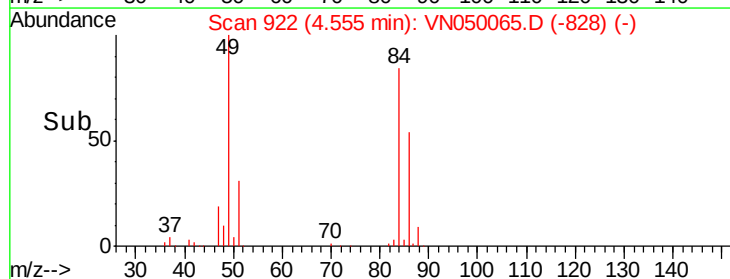
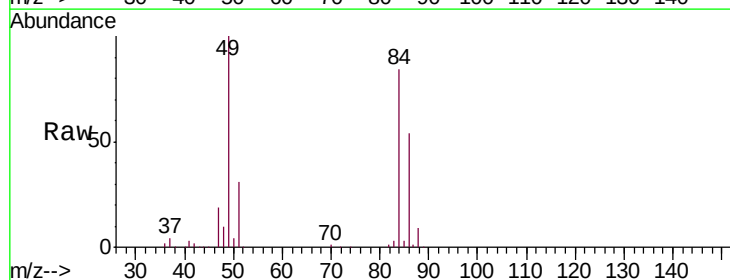
Instrument :  
MSVOA\_N  
ClientSampleId :  
CON-WC-S-3-0-11

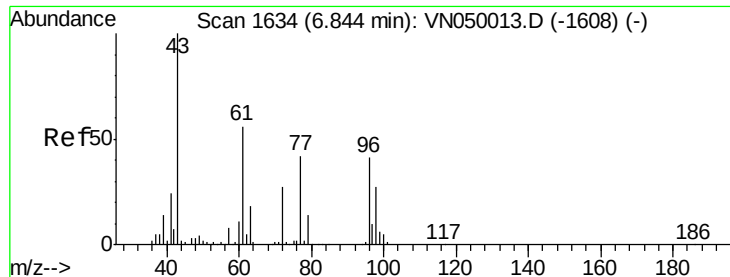
Tot Ion: 43 Resp: 29148  
Ion Ratio Lower Upper  
43 100  
74 20.6 19.2 28.8



#20  
Methylene Chloride  
Concen: 103.49 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Tgt Ion: 84 Resp: 769439  
Ion Ratio Lower Upper  
84 100  
49 119.1 94.8 142.2  
51 37.1 28.3 42.5  
86 64.7 51.0 76.6





#25

2-Butanone

Concen: 1.89 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

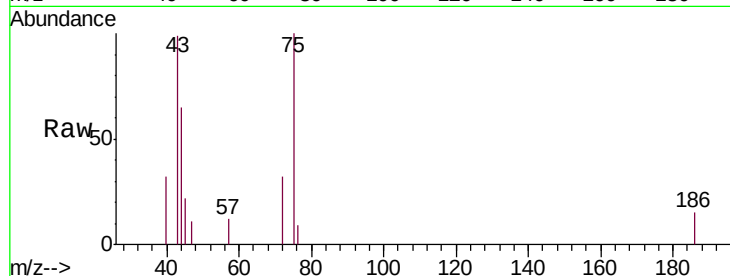
CON-WC-S-3-0-11

Tot Ion: 43 Resp: 6115

Ion Ratio Lower Upper

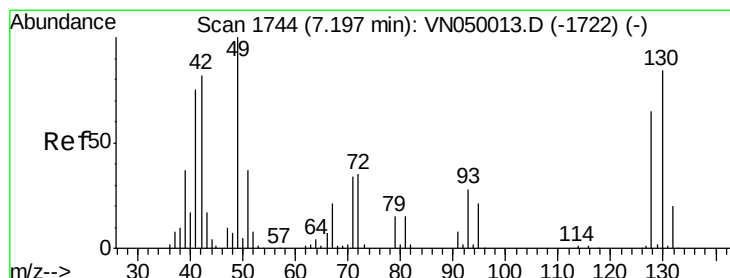
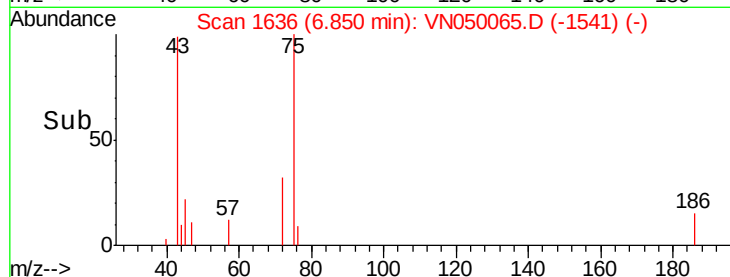
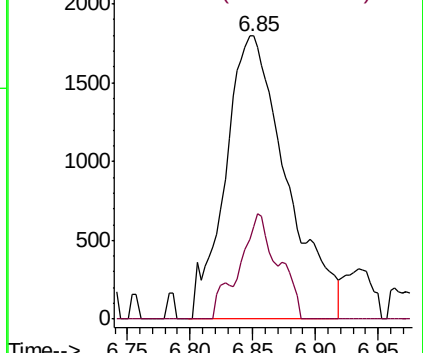
43 100

72 32.7 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#28

Bromochloromethane

Concen: 0.36 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.18 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

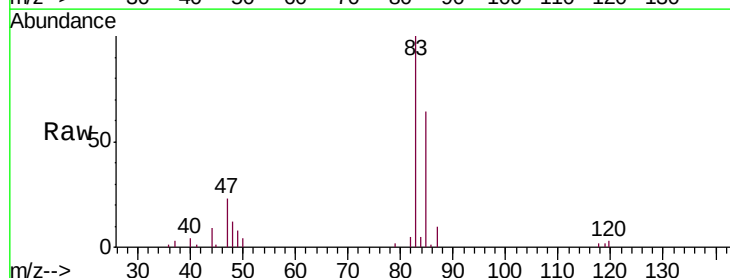
Tgt Ion: 49 Resp: 2345

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

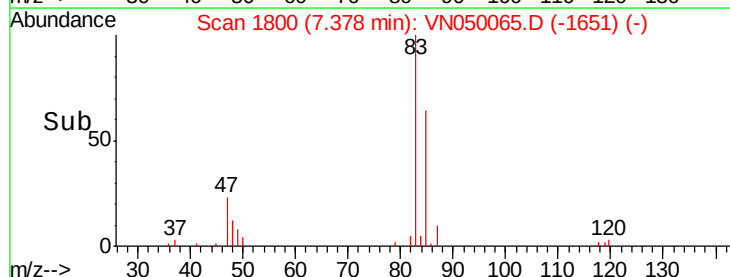
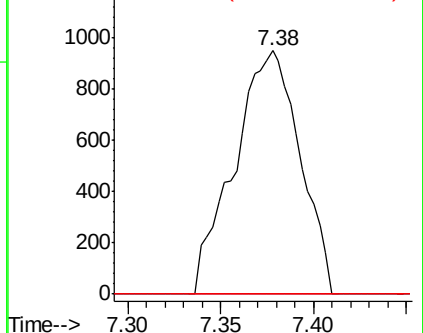
130 0.0 66.3 99.5#

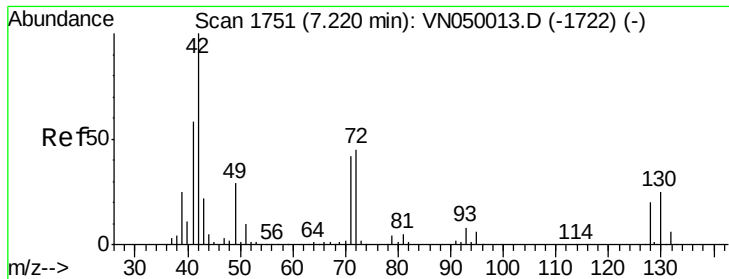


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

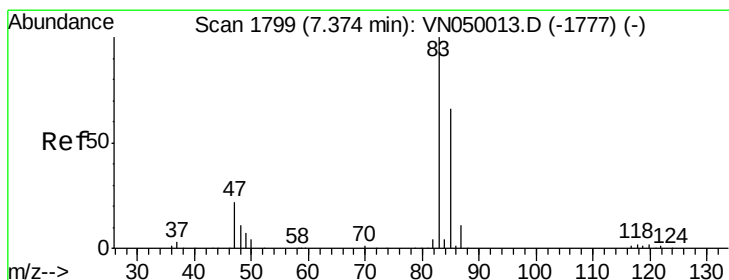
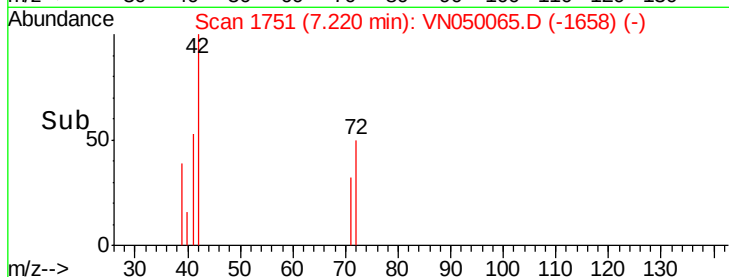
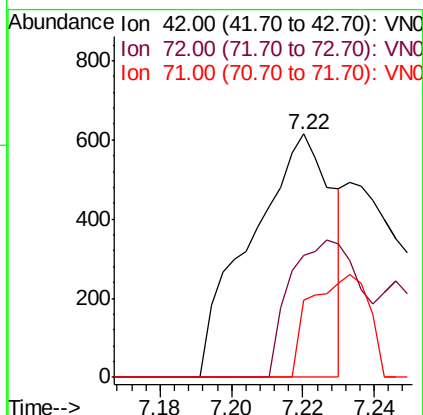
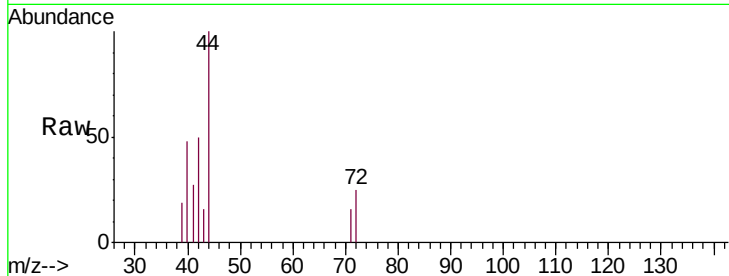




#29  
Tetrahydrofuran  
Concen: 0.47 ug/l  
RT: 7.22 min Scan# 1751  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

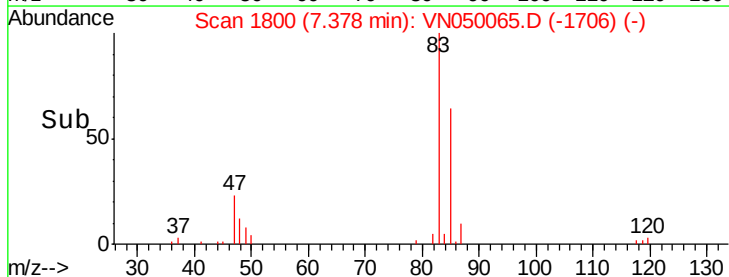
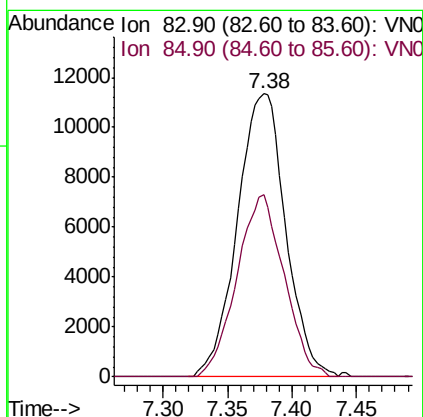
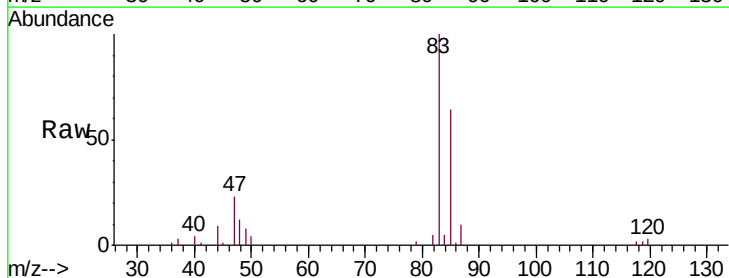
Instrument :  
MSVOA\_N  
ClientSampleId :  
CON-WC-S-3-0-11

Tot Ion: 42 Resp: 974  
Ion Ratio Lower Upper  
42 100  
72 48.8 35.9 53.9  
71 29.9 33.7 50.5#

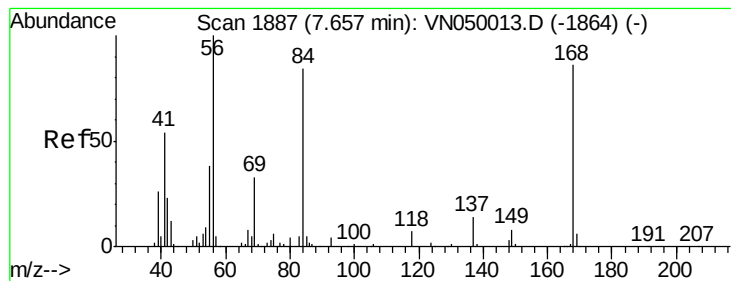


#30  
Chloroform  
Concen: 2.06 ug/l  
RT: 7.38 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Tgt Ion: 83 Resp: 29666  
Ion Ratio Lower Upper  
83 100  
85 64.4 52.5 78.7







#31

Cyclohexane

Concen: 0.94 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

CON-WC-S-3-0-11

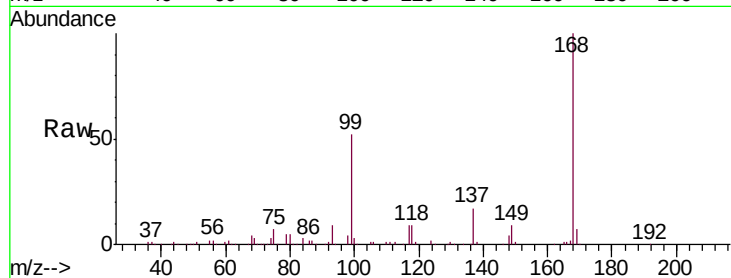
Tot Ion: 56 Resp: 11770

Ion Ratio Lower Upper

56 100

69 186.4 26.2 39.4#

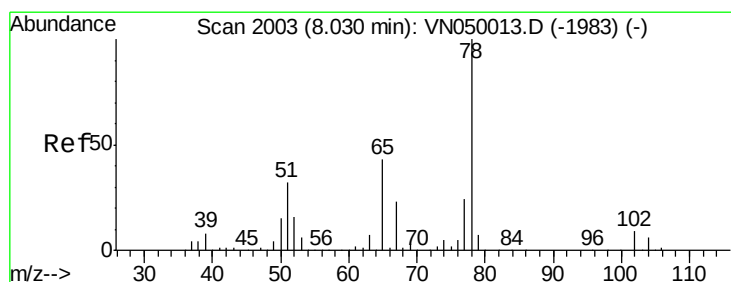
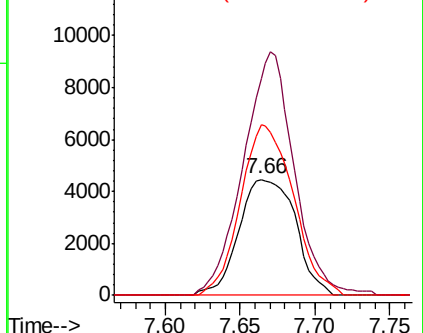
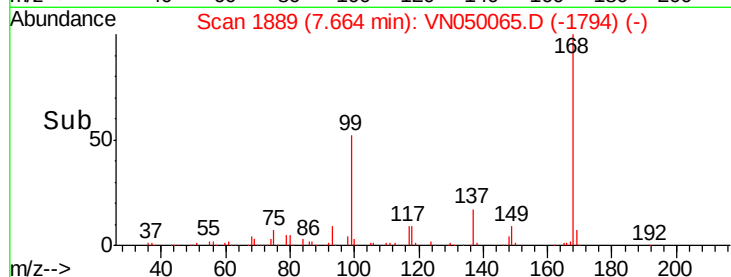
84 146.5 67.4 101.0#



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



#33

1,2-Dichloroethane-d4

Concen: 52.36 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050065.D

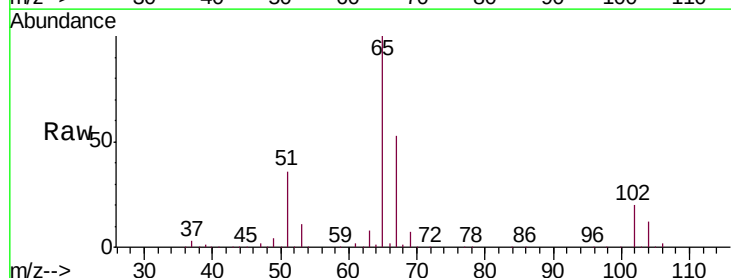
Acq: 26 Jul 2018 00:44

Tgt Ion: 65 Resp: 444778

Ion Ratio Lower Upper

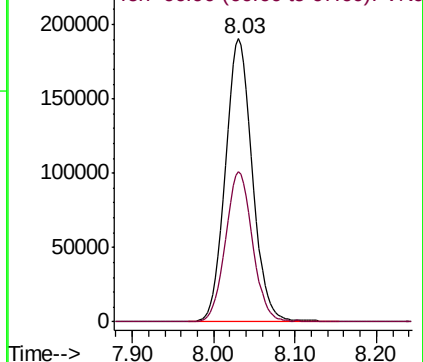
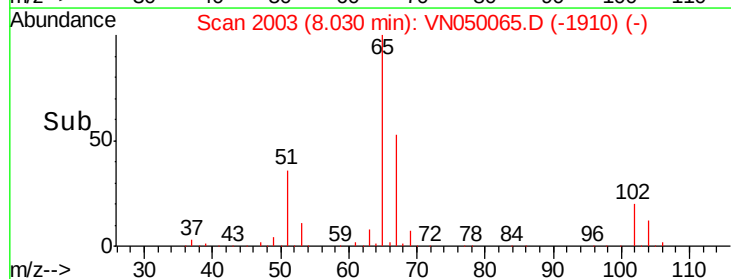
65 100

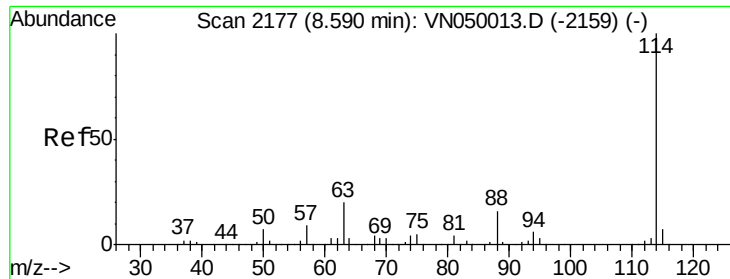
67 53.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



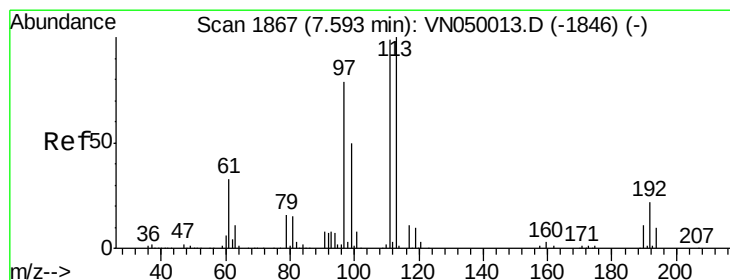
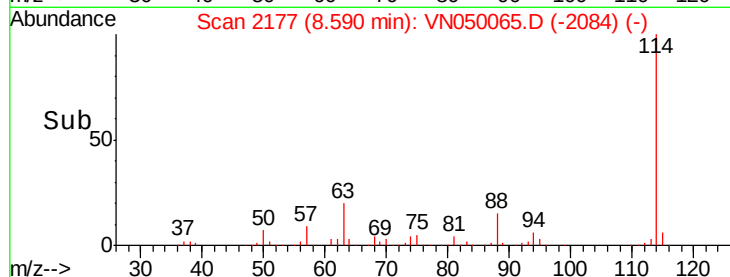
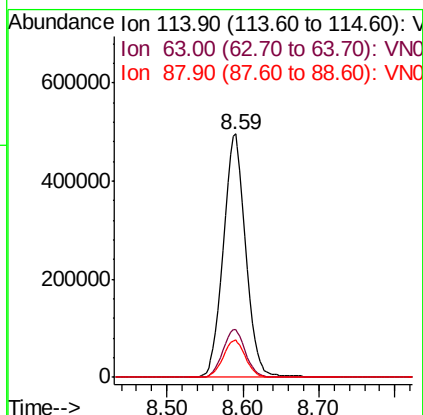
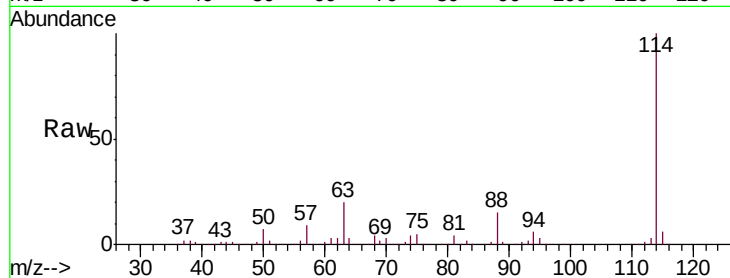


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.59 min Scan# 2177  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
CON-WC-S-3-0-11

Tot Ion:114 Resp: 1020962

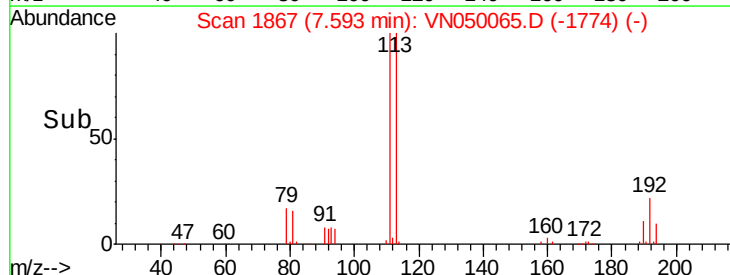
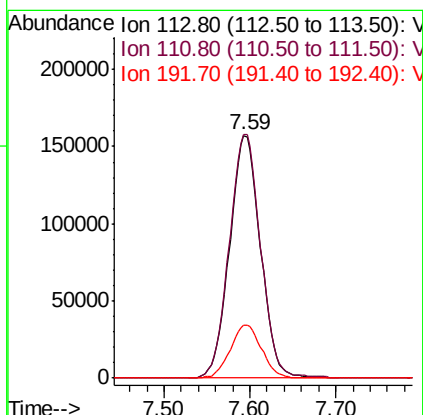
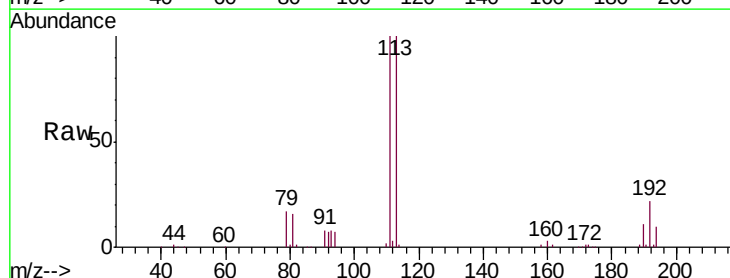
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.6  | 0.0   | 40.0  |
| 88  | 15.2  | 0.0   | 31.2  |

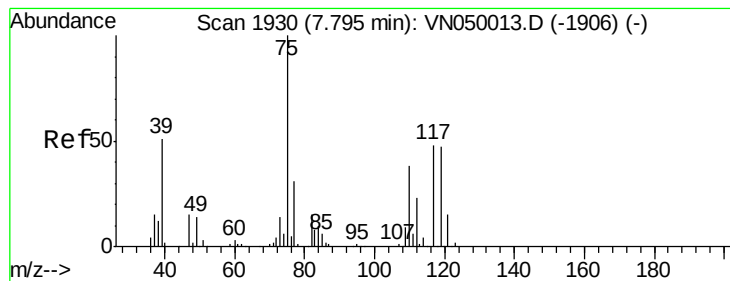


#35  
Dibromofluoromethane  
Concen: 46.98 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Tgt Ion:113 Resp: 391626

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.0 | 80.7  | 121.1 |
| 192 | 22.2  | 17.8  | 26.6  |

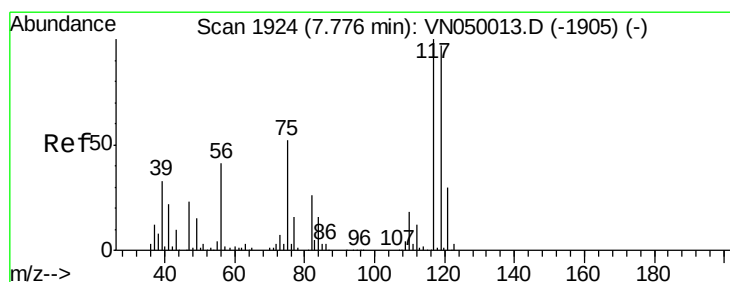
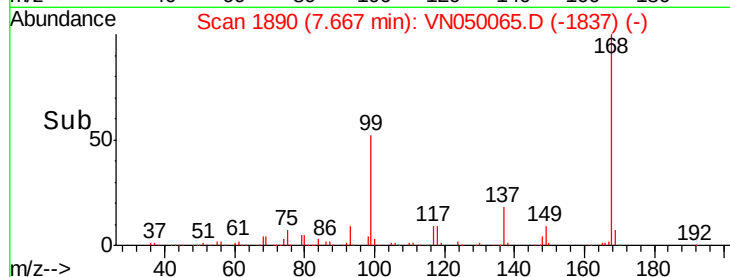
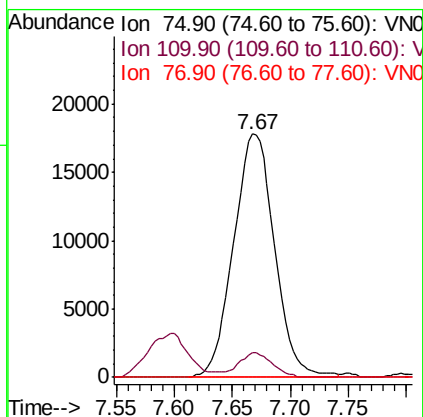
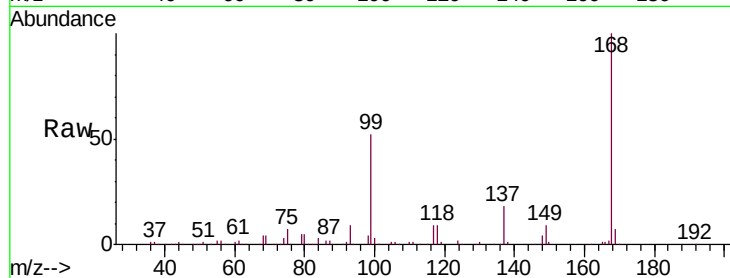




#36  
 1,1-Dichloropropene  
 Concen: 3.80 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.13 min  
 Lab File: VN050065.D  
 Acq: 26 Jul 2018 00:44

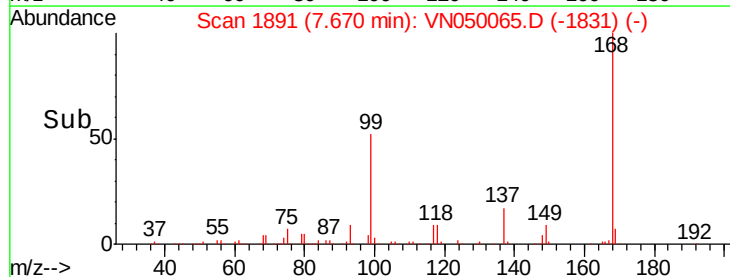
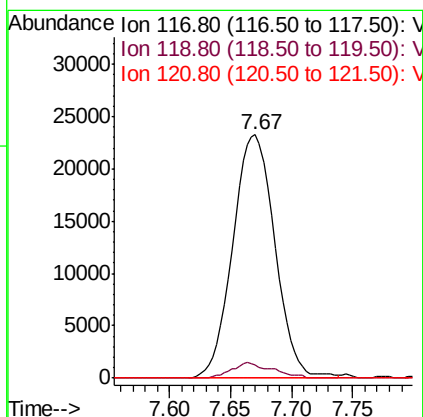
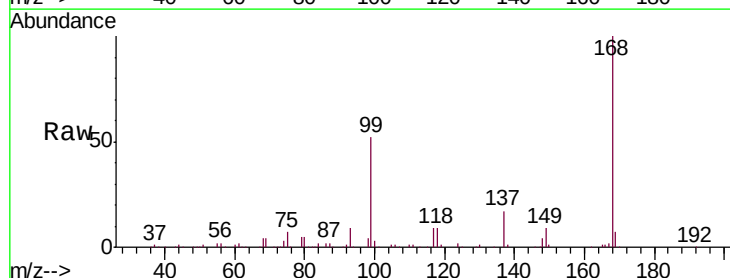
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CON-WC-S-3-0-11

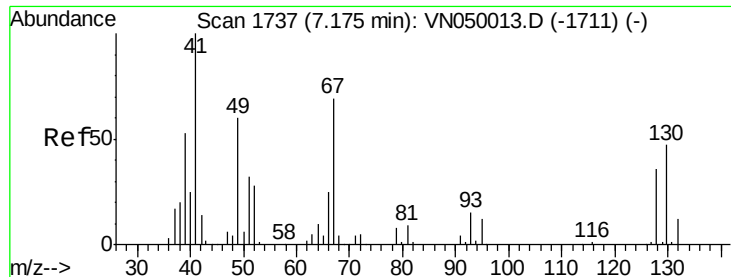
Tot Ion: 75 Resp: 43737  
 Ion Ratio Lower Upper  
 75 100  
 110 8.3 18.4 55.2#  
 77 0.0 25.3 37.9#



#38  
 Carbon Tetrachloride  
 Concen: 4.56 ug/l  
 RT: 7.67 min Scan# 1891  
 Delta R.T. -0.11 min  
 Lab File: VN050065.D  
 Acq: 26 Jul 2018 00:44

Tgt Ion: 117 Resp: 55622  
 Ion Ratio Lower Upper  
 117 100  
 119 5.5 77.4 116.0#  
 121 0.0 23.9 35.9#

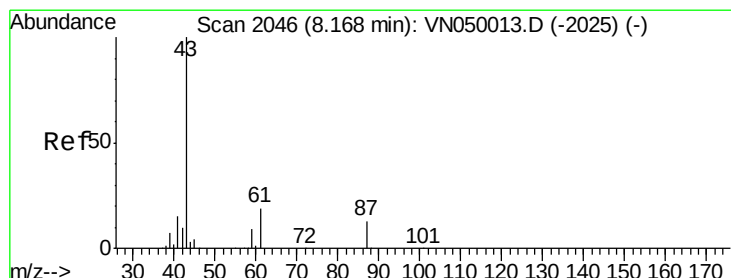
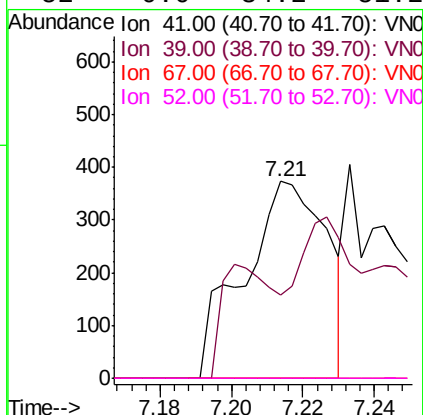
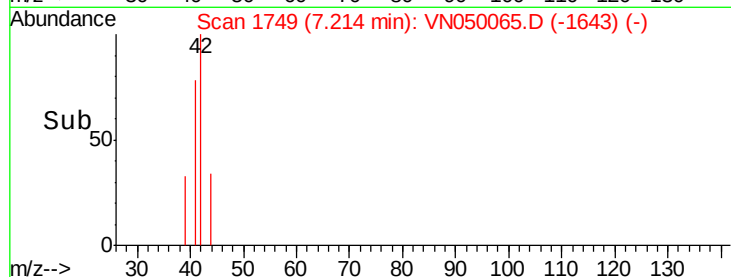
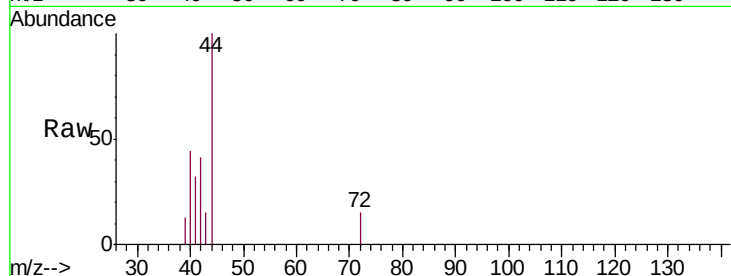




#41  
Methacrylonitrile  
Concen: 2.88 ug/l  
RT: 7.21 min Scan# 1749  
Delta R.T. 0.04 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

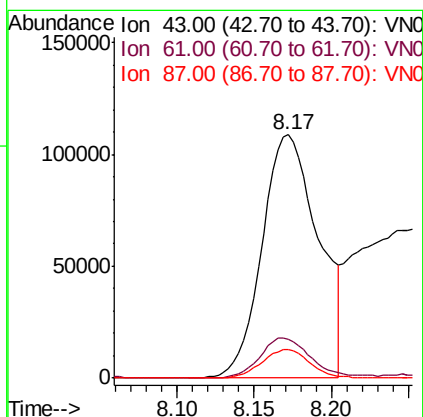
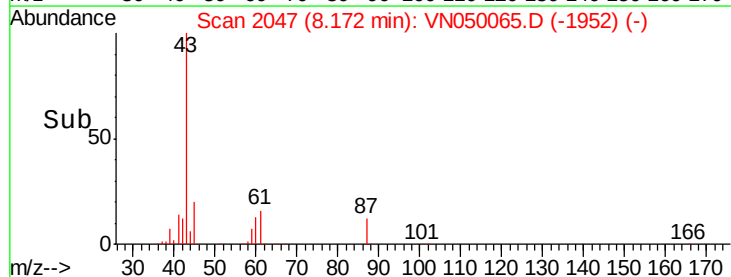
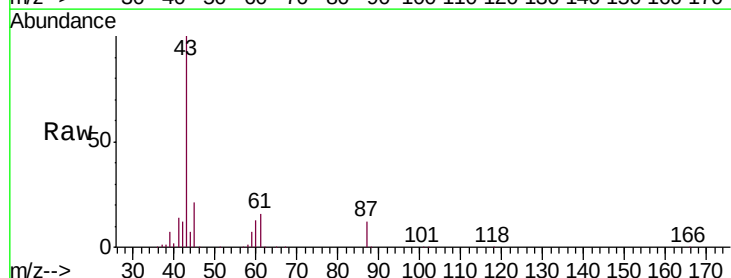
Instrument :  
MSVOA\_N  
ClientSampleId :  
CON-WC-S-3-0-11

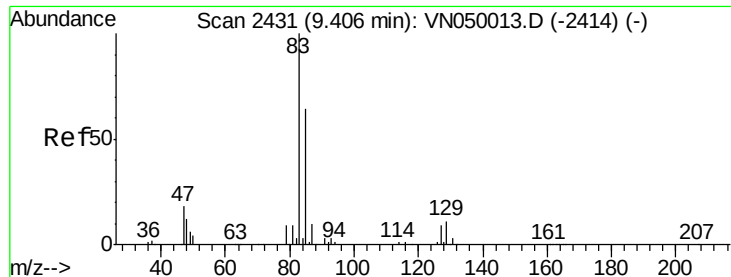
Tot Ion: 41 Resp: 600  
Ion Ratio Lower Upper  
41 100  
39 25.7 55.8 83.6#  
67 0.0 84.3 126.5#  
52 0.0 34.2 51.2#



#43  
Isopropyl Acetate  
Concen: 17.50 ug/l  
RT: 8.17 min Scan# 2047  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Tgt Ion: 43 Resp: 275630  
Ion Ratio Lower Upper  
43 100  
61 15.1 15.8 23.6#  
87 10.1 10.3 15.5#

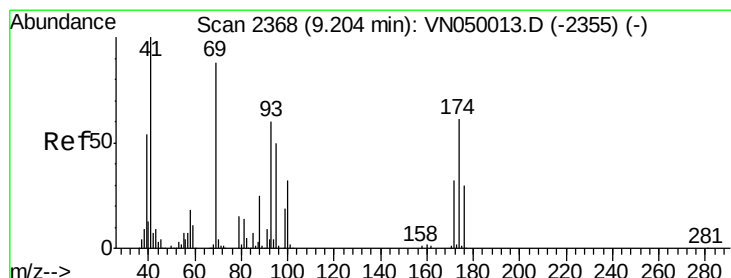
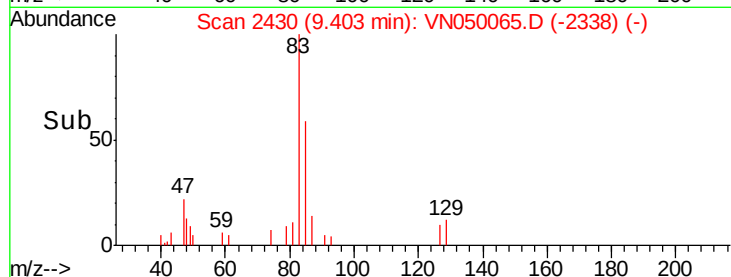
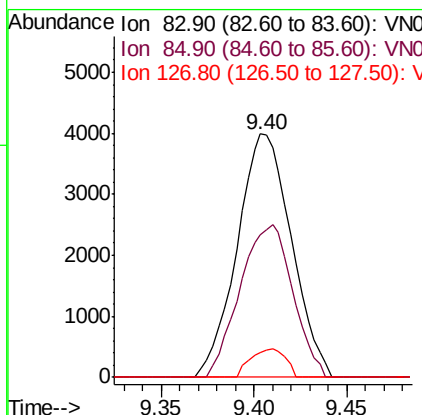
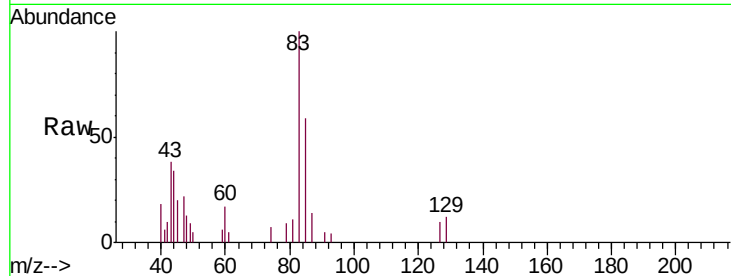




#47  
 Bromodichloromethane  
 Concen: 0.67 ug/l  
 RT: 9.40 min Scan# 2430  
 Delta R.T. -0.00 min  
 Lab File: VN050065.D  
 Acq: 26 Jul 2018 00:44

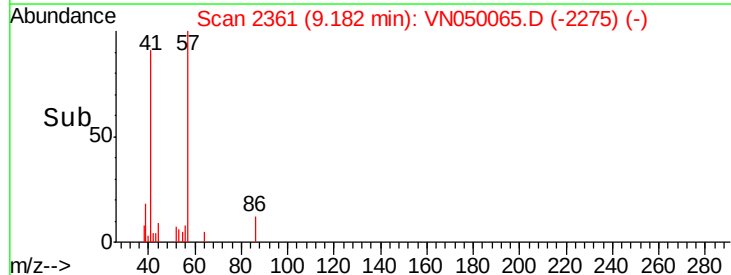
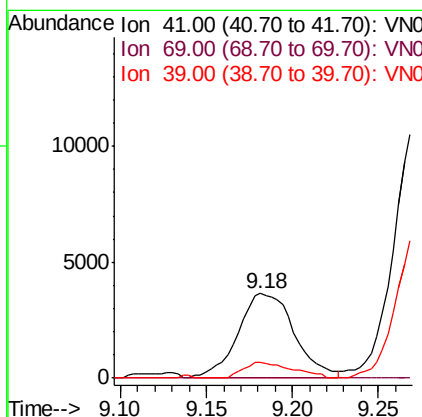
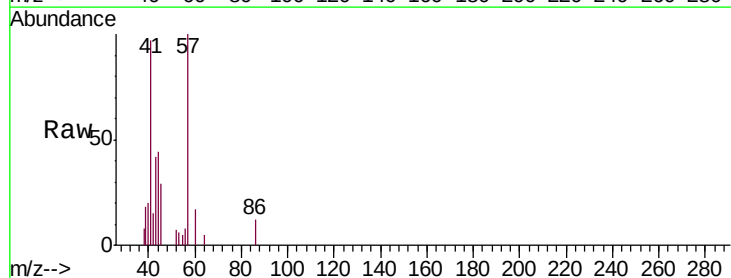
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CON-WC-S-3-0-11

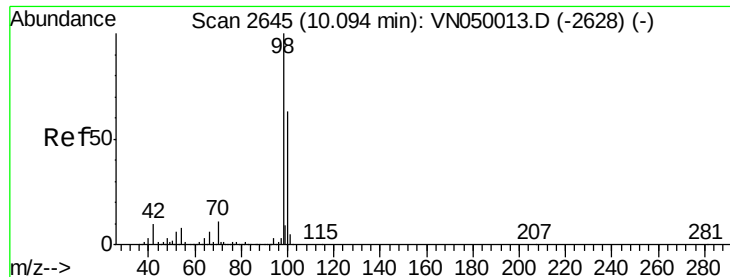
| Tot Ion | 83    | Resp  | 8096  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 85      | 58.6  | 51.1  | 76.7  |
| 127     | 10.4  | 7.0   | 10.4  |



#48  
 Methyl methacrylate  
 Concen: 1.21 ug/l  
 RT: 9.18 min Scan# 2361  
 Delta R.T. -0.02 min  
 Lab File: VN050065.D  
 Acq: 26 Jul 2018 00:44

| Tgt Ion | 41    | Resp  | 8372   |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 69      | 0.0   | 70.6  | 105.8# |
| 39      | 16.2  | 43.9  | 65.9#  |





#50

Toluene-d8

Concen: 45.15 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

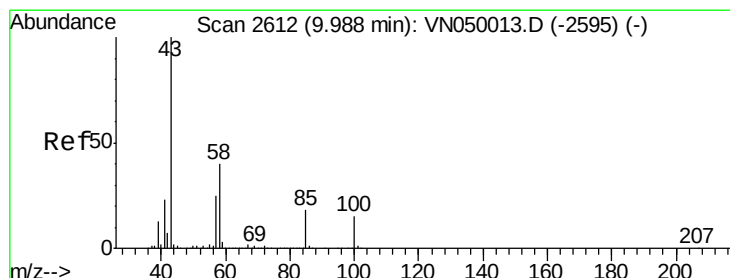
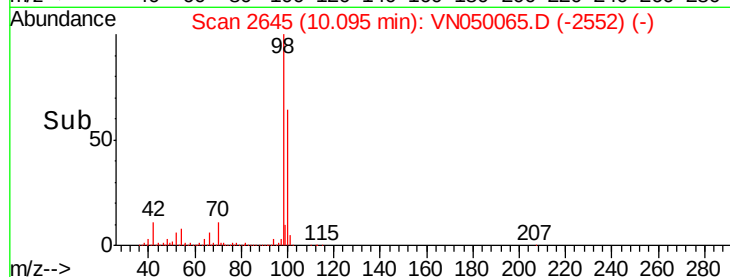
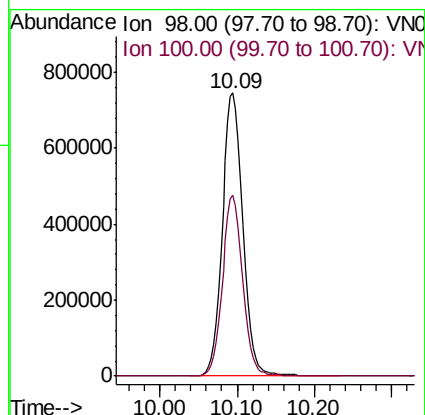
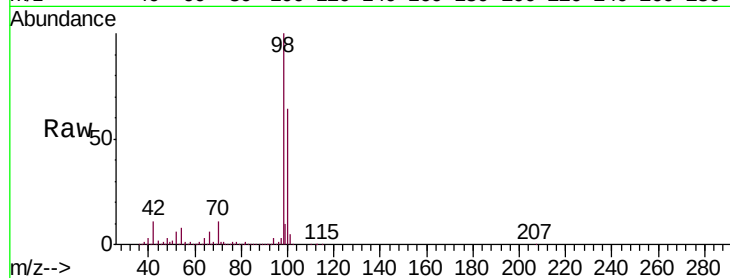
CON-WC-S-3-0-11

Tot Ion: 98 Resp: 1383589

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.39 ug/l

RT: 9.99 min Scan# 2614

Delta R.T. 0.01 min

Lab File: VN050065.D

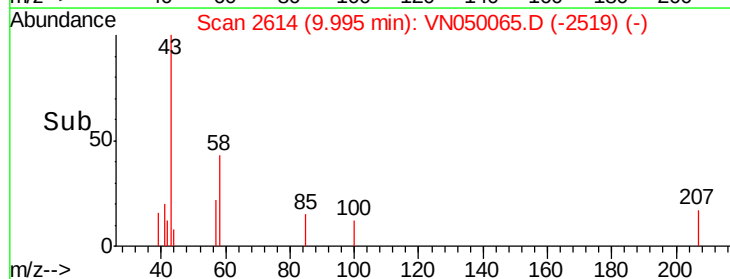
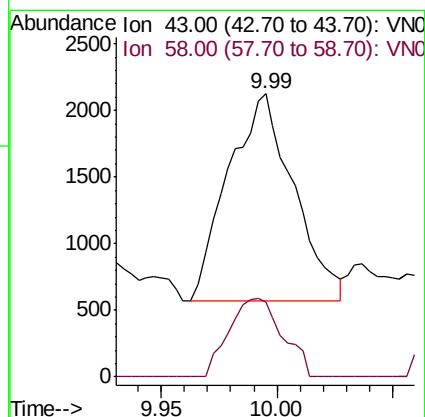
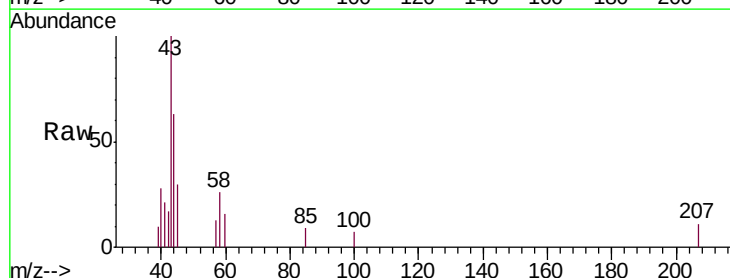
Acq: 26 Jul 2018 00:44

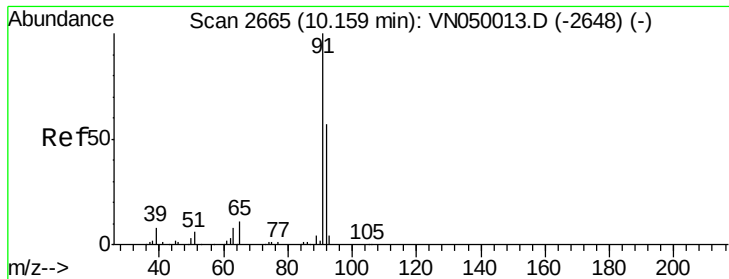
Tgt Ion: 43 Resp: 3047

Ion Ratio Lower Upper

43 100

58 30.9 31.9 47.9#





#52

Toluene

Concen: 0.53 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

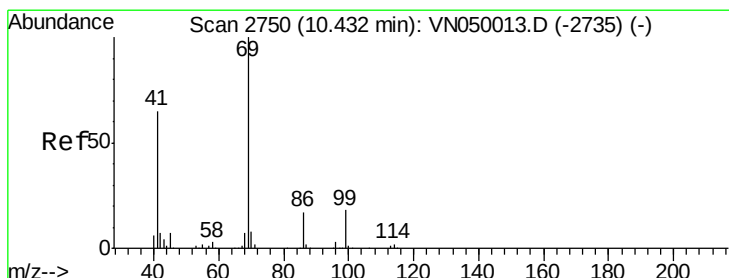
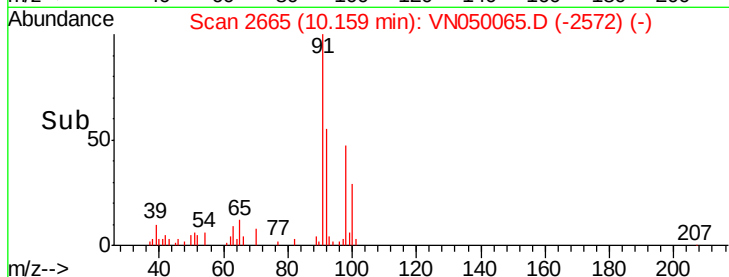
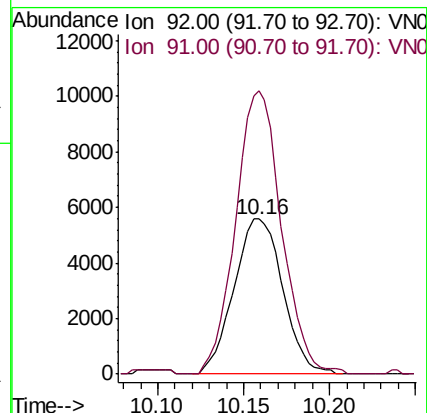
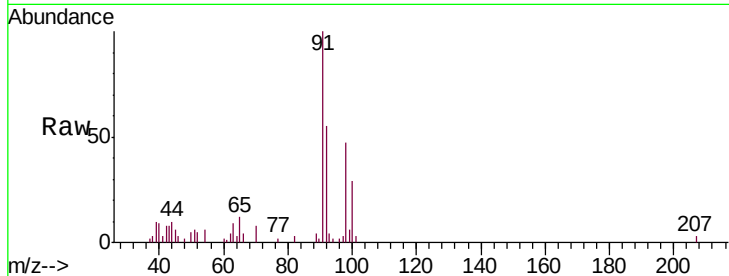
CON-WC-S-3-0-11

Tot Ion: 92 Resp: 11037

Ion Ratio Lower Upper

92 100

91 171.9 140.3 210.5



#56

Ethyl methacrylate

Concen: 2.24 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

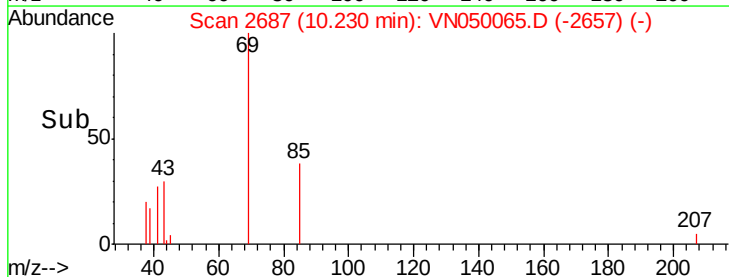
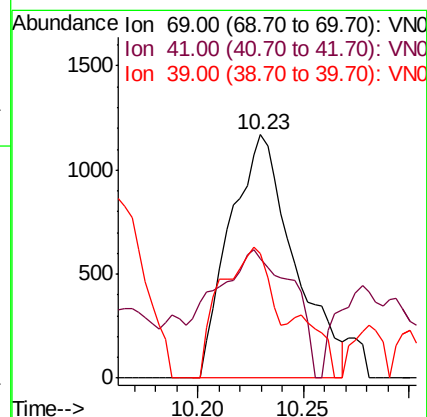
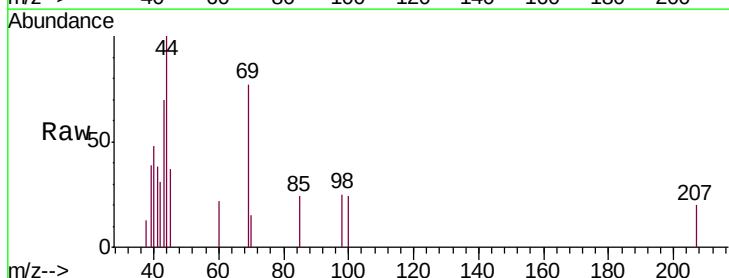
Tgt Ion: 69 Resp: 2479

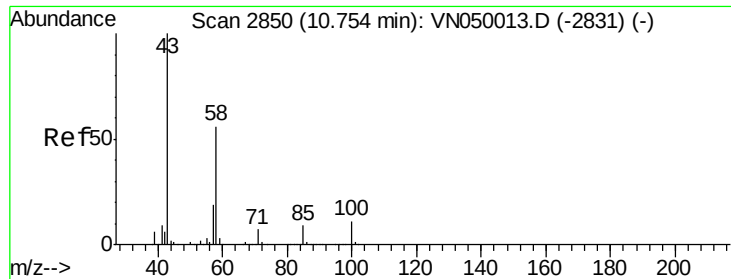
Ion Ratio Lower Upper

69 100

41 64.5 51.0 76.4

39 44.6 26.6 40.0#

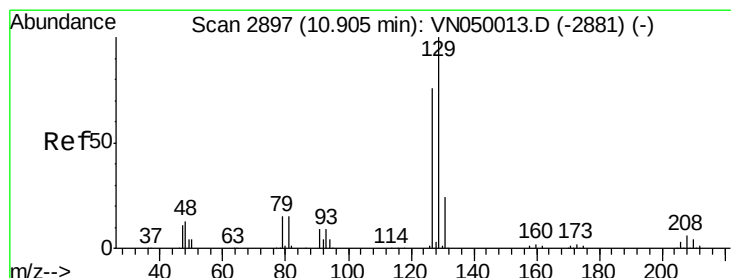
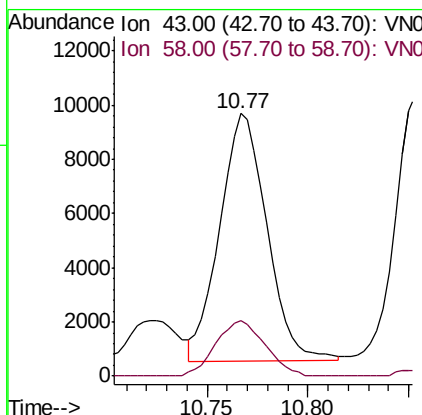
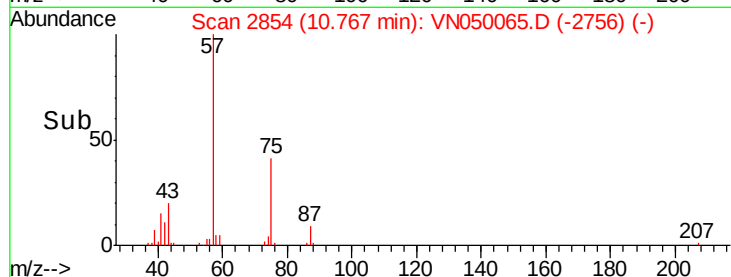
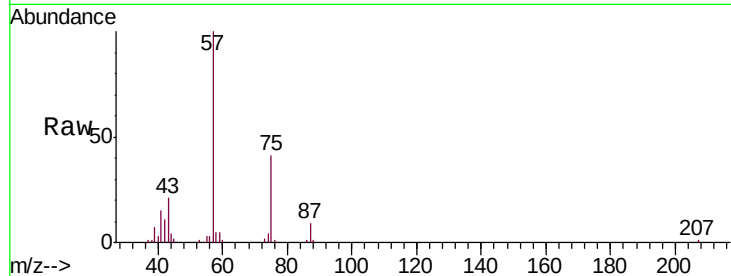




#59  
2-Hexanone  
Concen: 7.70 ug/l  
RT: 10.77 min Scan# 2854  
Delta R.T. 0.01 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

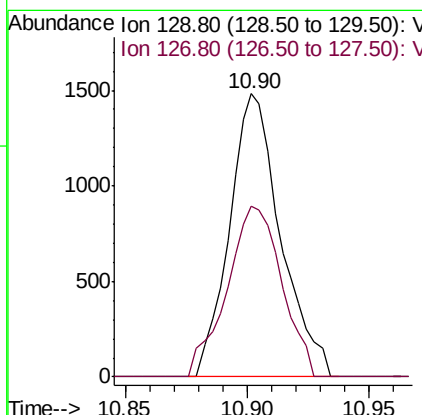
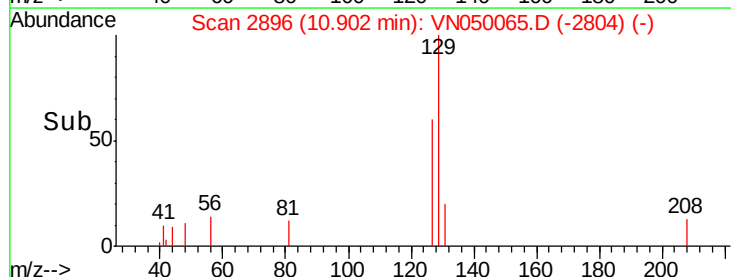
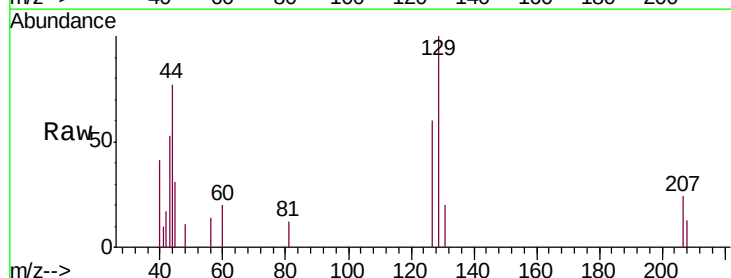
Instrument :  
MSVOA\_N  
ClientSampleId :  
CON-WC-S-3-0-11

Tot Ion: 43 Resp: 14930  
Ion Ratio Lower Upper  
43 100  
58 23.4 27.6 82.7#

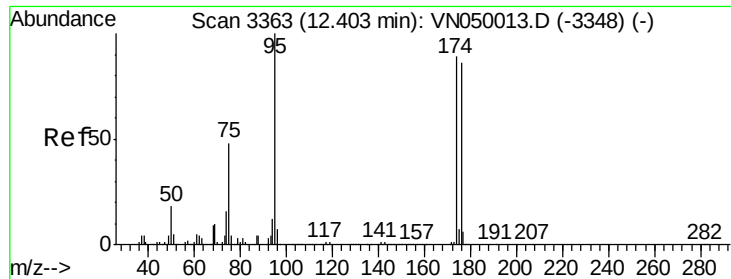


#60  
Dibromochloromethane  
Concen: 0.24 ug/l  
RT: 10.90 min Scan# 2896  
Delta R.T. -0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Tgt Ion: 129 Resp: 2150  
Ion Ratio Lower Upper  
129 100  
127 64.6 38.0 113.9



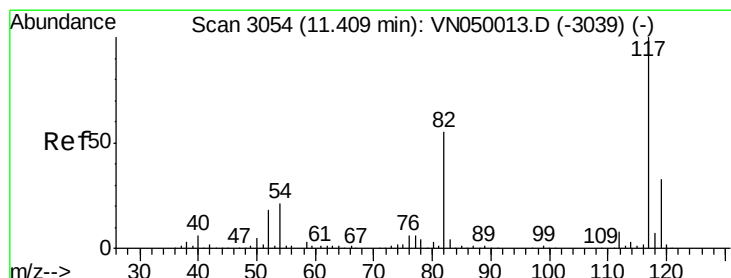
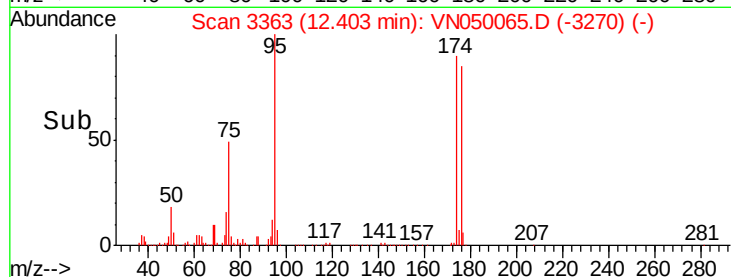
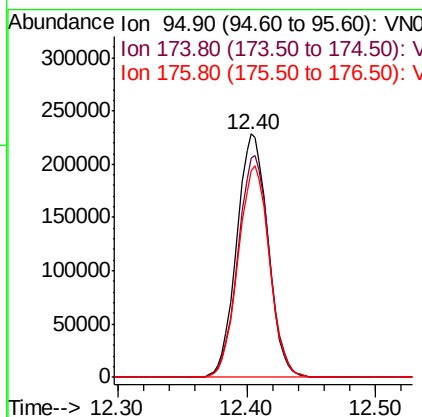
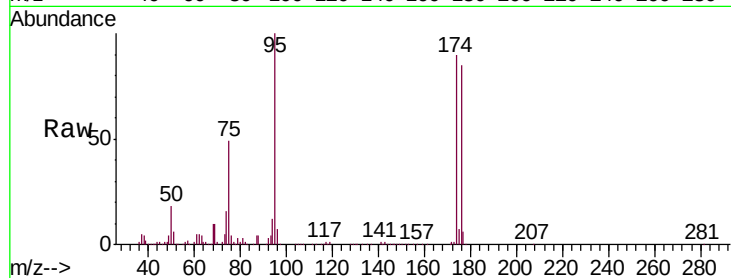




#62  
4-Bromofluorobenzene  
Concen: 38.24 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

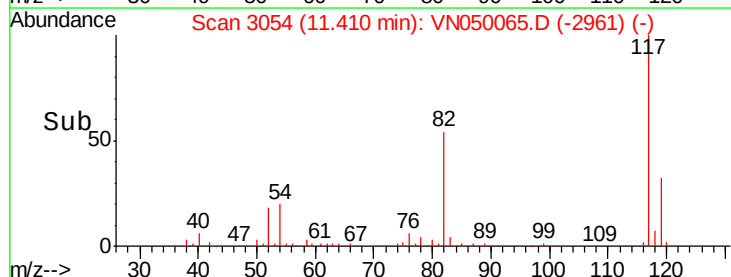
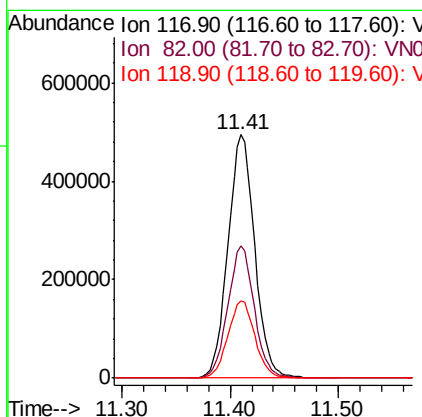
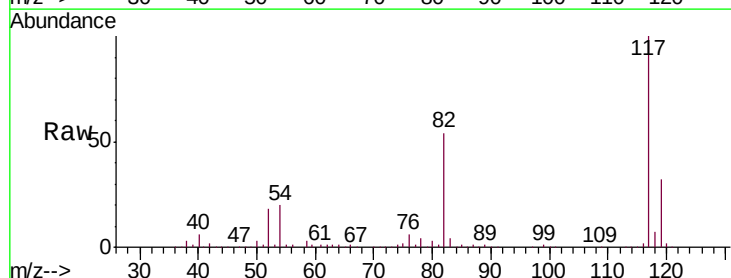
Instrument :  
MSVOA\_N  
ClientSampleId :  
CON-WC-S-3-0-11

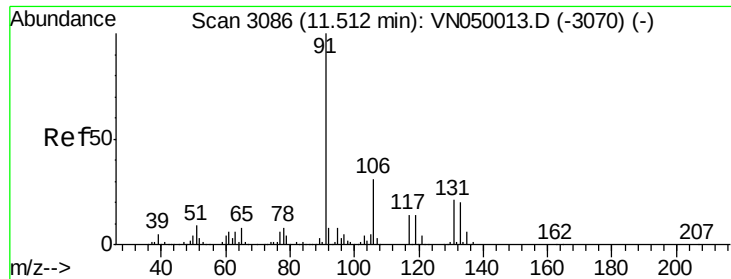
Tot Ion: 95 Resp: 385860  
Ion Ratio Lower Upper  
95 100  
174 91.8 0.0 178.2  
176 86.9 0.0 173.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Tgt Ion: 117 Resp: 856189  
Ion Ratio Lower Upper  
117 100  
82 54.3 43.7 65.5  
119 31.9 26.1 39.1





#67

Ethyl Benzene

Concen: 0.66 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

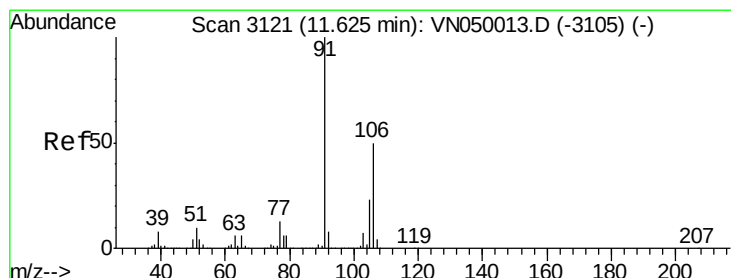
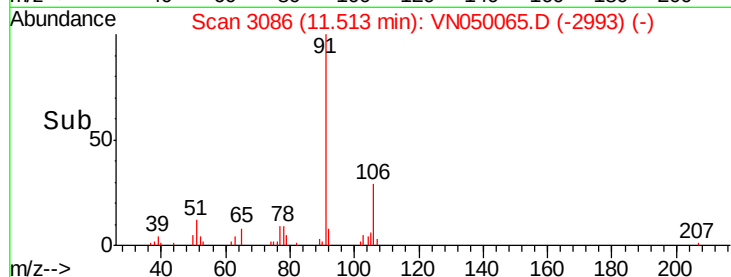
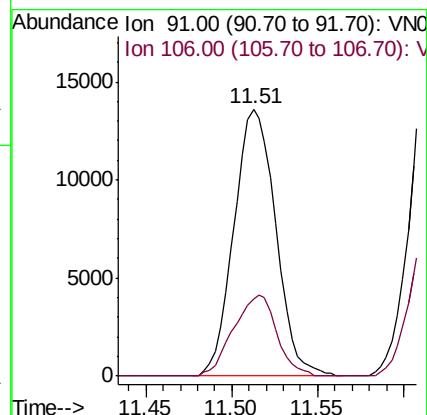
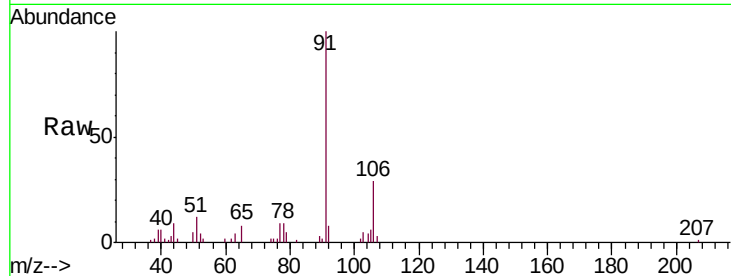
CON-WC-S-3-0-11

Tot Ion: 91 Resp: 22967

Ion Ratio Lower Upper

91 100

106 29.0 25.0 37.4



#68

m/p-Xylenes

Concen: 1.64 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050065.D

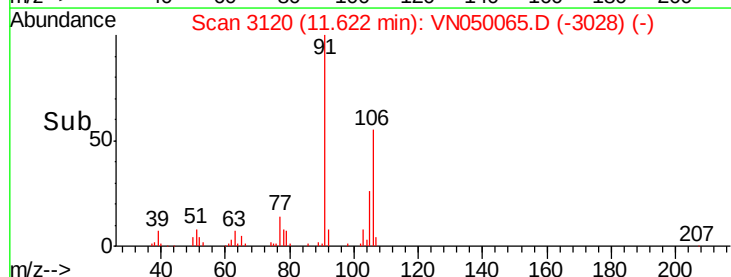
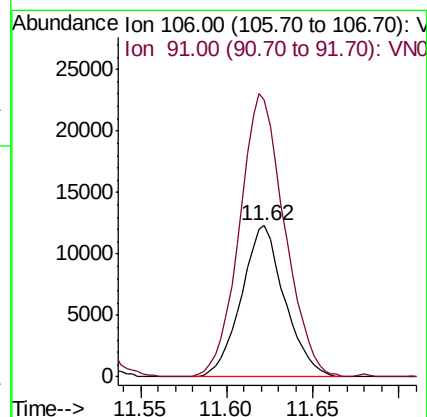
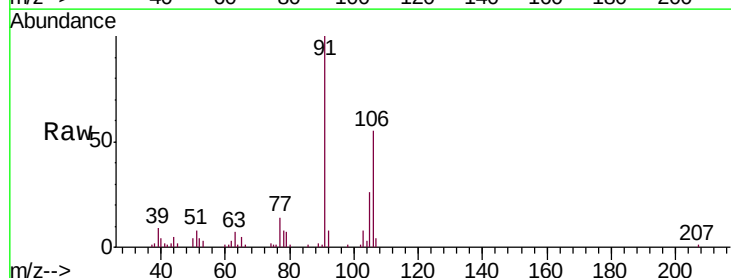
Acq: 26 Jul 2018 00:44

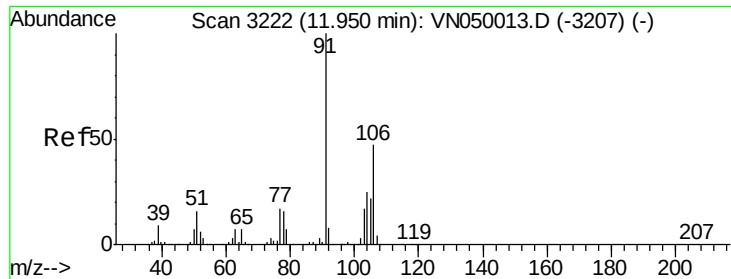
Tgt Ion: 106 Resp: 21549

Ion Ratio Lower Upper

106 100

91 194.5 162.2 243.2

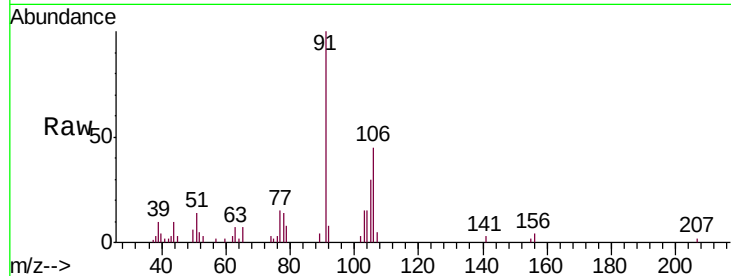




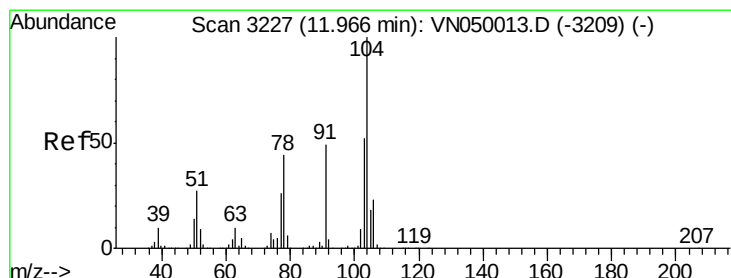
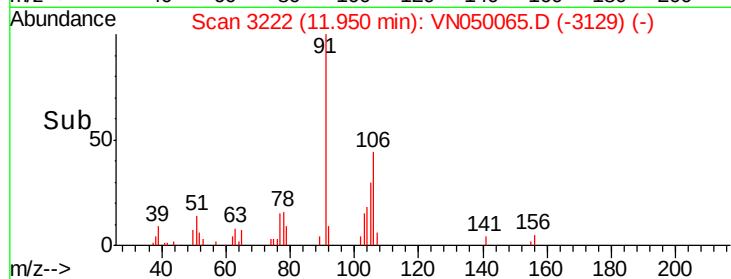
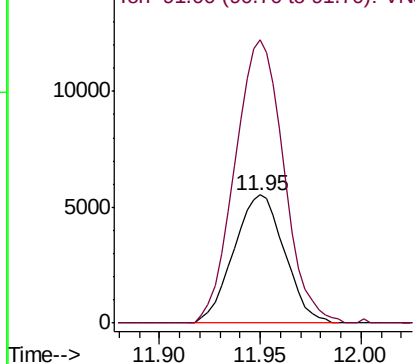
#69  
o-Xylene  
Concen: 0.78 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Instrument :  
MSVOA\_N  
ClientSampled :  
CON-WC-S-3-0-11

Tot Ion:106 Resp: 9770  
Ion Ratio Lower Upper  
106 100  
91 212.3 107.7 323.1

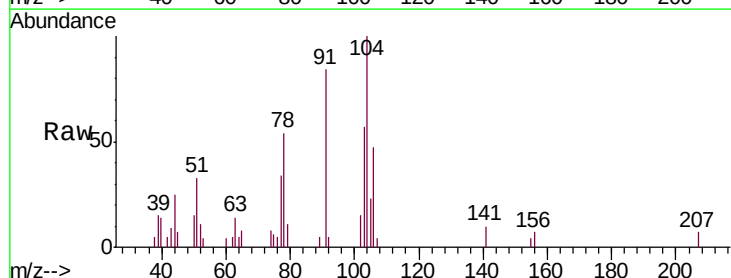


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

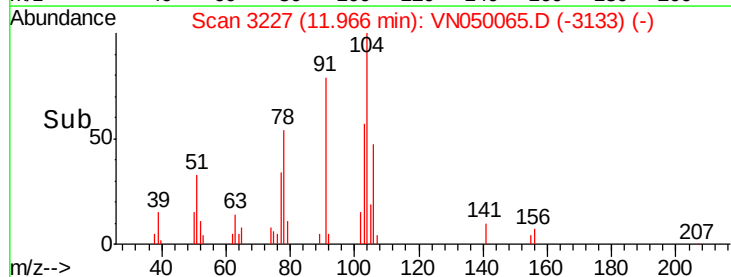
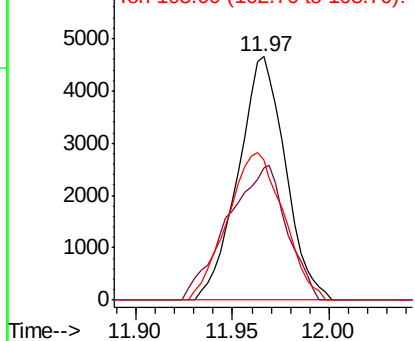


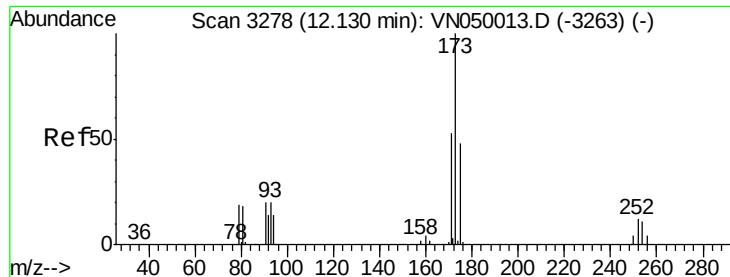
#70  
Styrene  
Concen: 1.27 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN050065.D  
Acq: 26 Jul 2018 00:44

Tgt Ion:104 Resp: 7902  
Ion Ratio Lower Upper  
104 100  
78 69.1 39.3 58.9#  
103 71.9 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.62 ug/l

RT: 12.41 min Scan# 3365

Delta R.T. 0.28 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

CON-WC-S-3-0-11

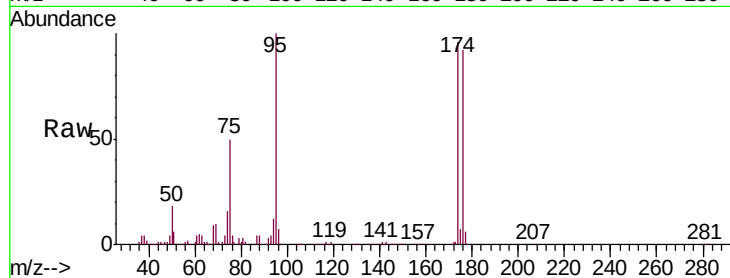
Tot Ion:173 Resp: 3736

Ion Ratio Lower Upper

173 100

175 597.9 24.1 72.2#

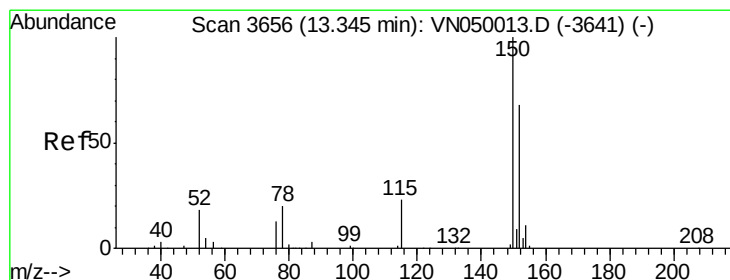
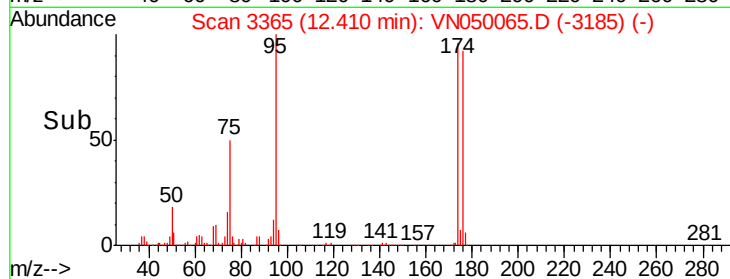
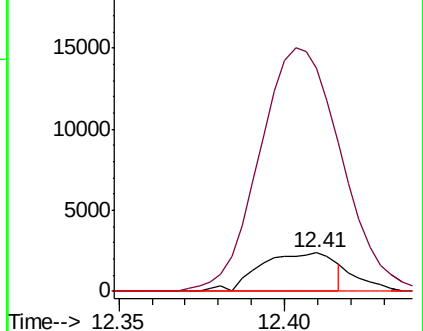
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

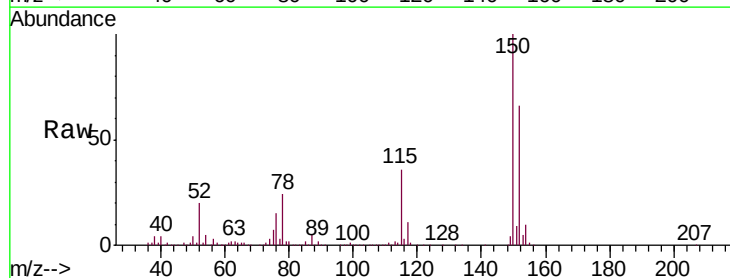
Tgt Ion:152 Resp: 347650

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

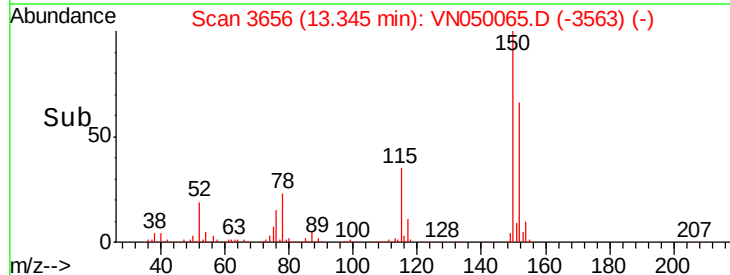
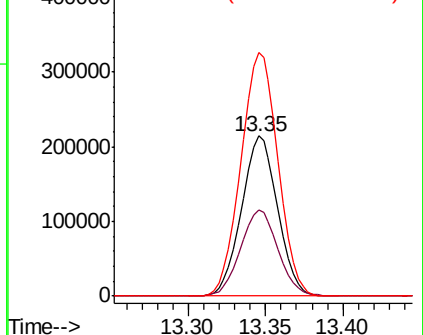
150 156.0 0.0 348.6

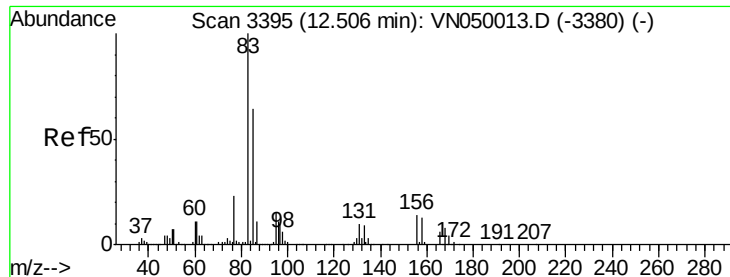


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

CON-WC-S-3-0-11

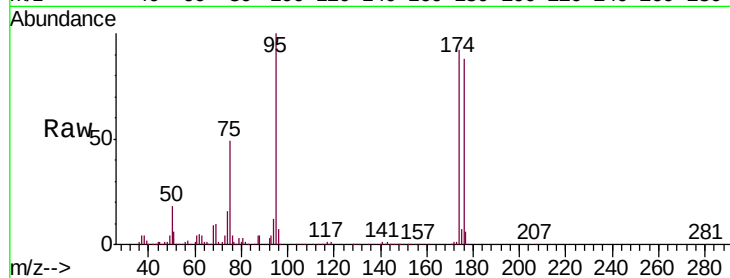
Tot Ion: 83 Resp: 98

Ion Ratio Lower Upper

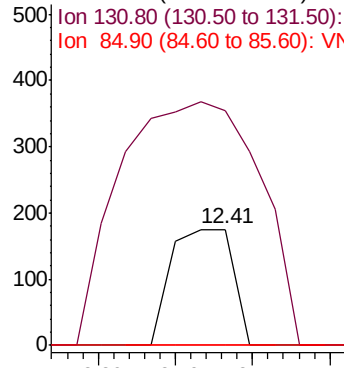
83 100

131 470.4 5.1 15.3#

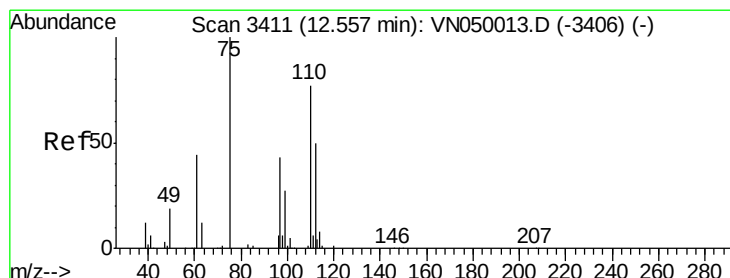
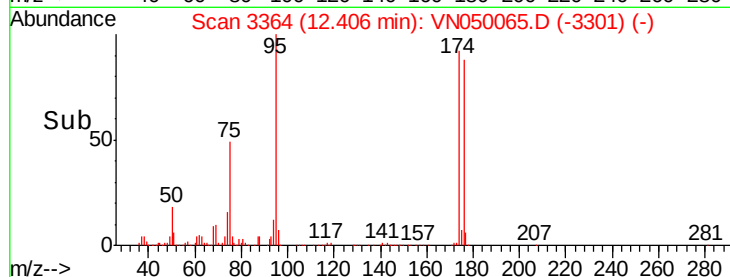
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 130.80 (130.50 to 131.50): VNO  
Ion 84.90 (84.60 to 85.60): VNO



Time-->



#76

1,2,3-Trichloropropane

Concen: 29.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050065.D

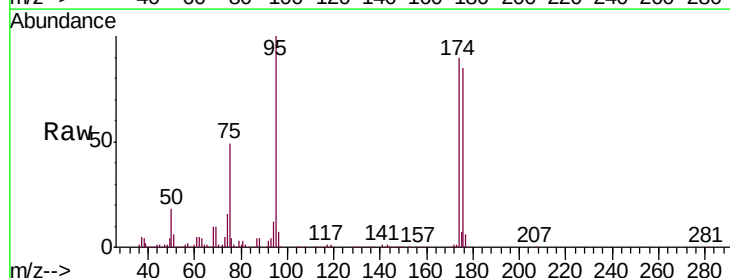
Acq: 26 Jul 2018 00:44

Tgt Ion: 75 Resp: 190001

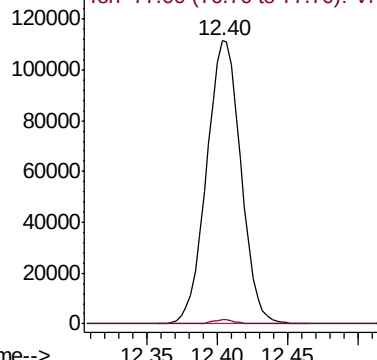
Ion Ratio Lower Upper

75 100

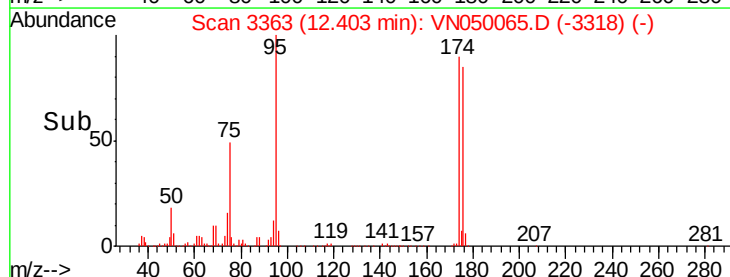
77 1.1 0.0 0.0#

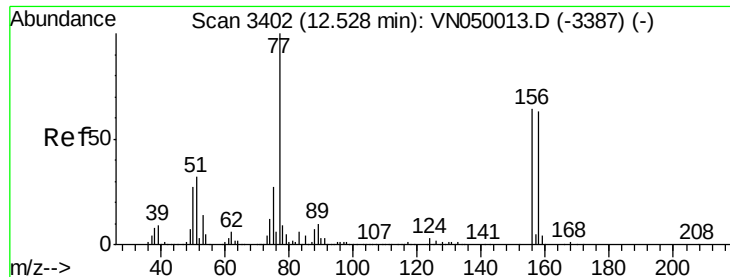


Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 77.00 (76.70 to 77.70): VNO



Time-->





#77

Bromobenzene

Concen: 0.48 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.01 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

CON-WC-S-3-0-11

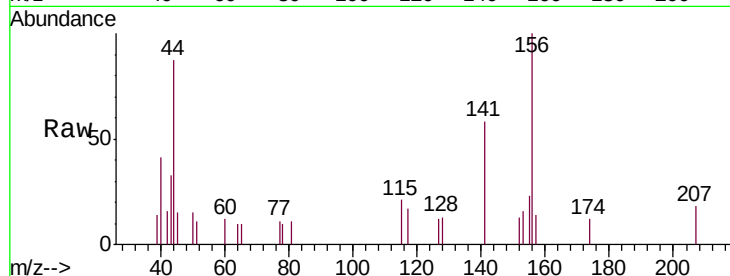
Tot Ion:156 Resp: 3613

Ion Ratio Lower Upper

156 100

77 6.2 91.7 275.1#

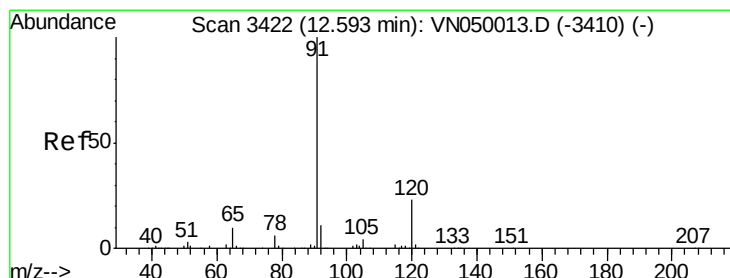
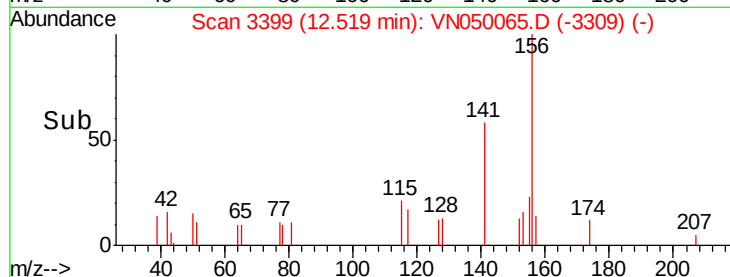
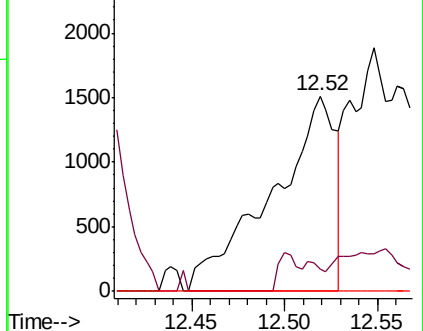
158 0.0 48.9 146.6#



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: 0.33 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050065.D

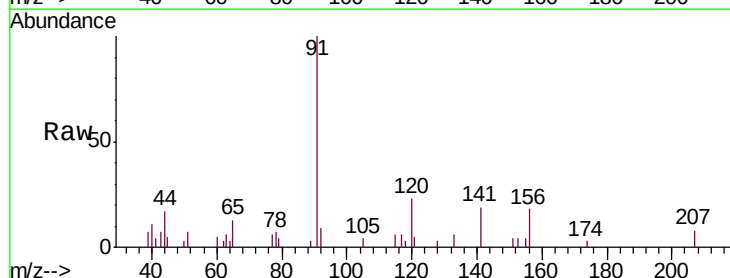
Acq: 26 Jul 2018 00:44

Tgt Ion: 91 Resp: 10013

Ion Ratio Lower Upper

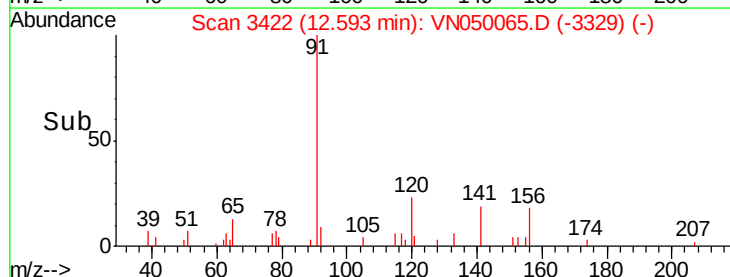
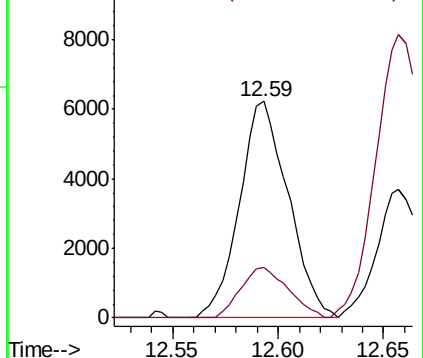
91 100

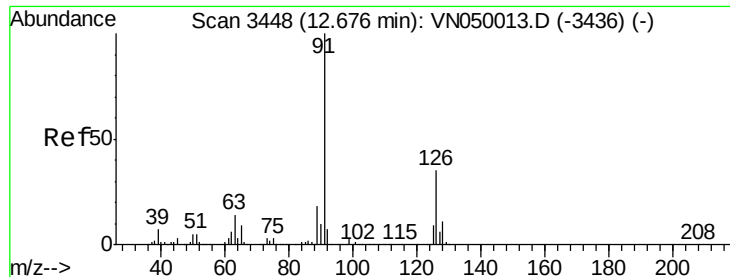
120 22.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

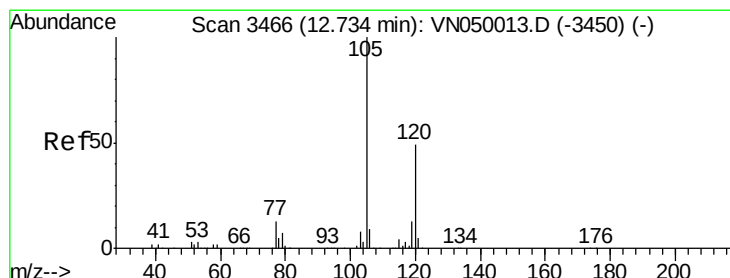
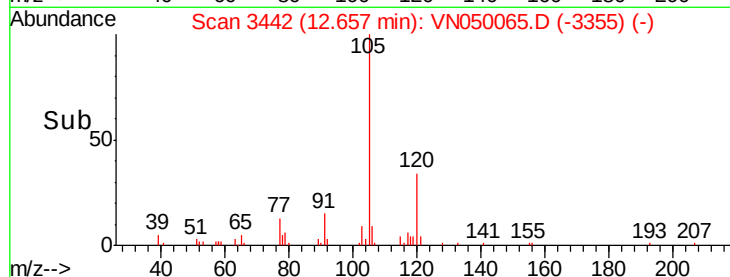
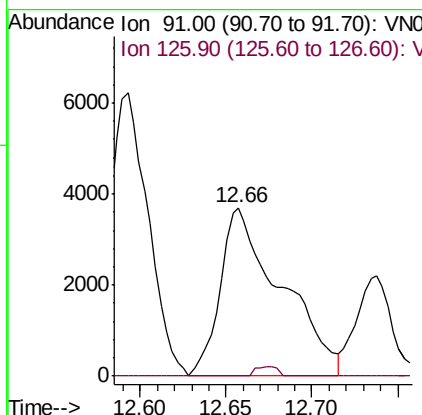
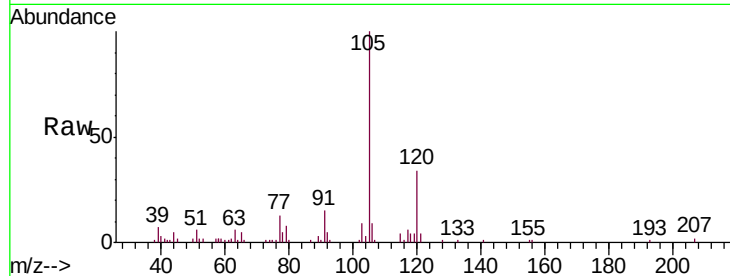




#79  
 2-Chlorotoluene  
 Concen: 0.49 ug/l  
 RT: 12.66 min Scan# 3442  
 Delta R.T. -0.02 min  
 Lab File: VN050065.D  
 Acq: 26 Jul 2018 00:44

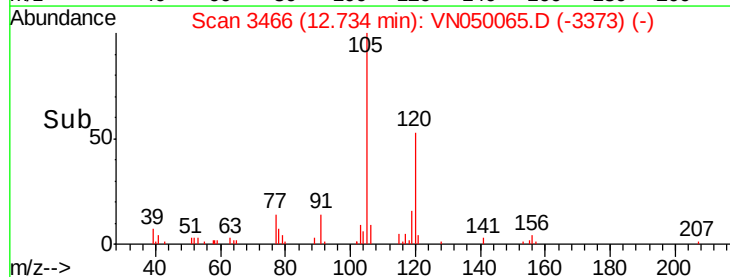
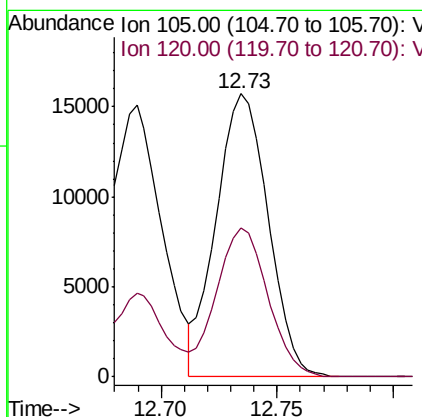
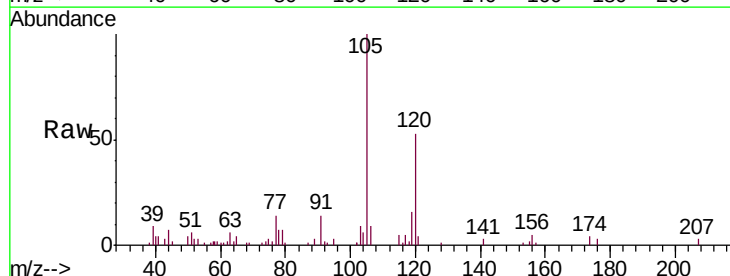
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CON-WC-S-3-0-11

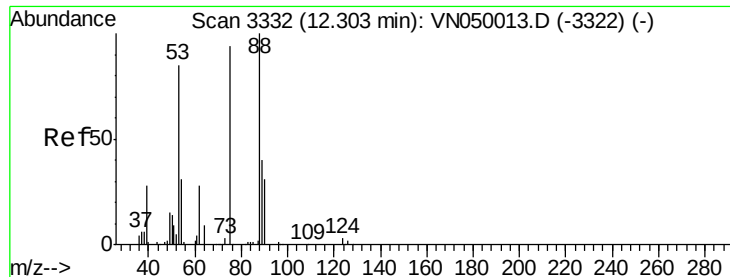
Tot Ion: 91 Resp: 9105  
 Ion Ratio Lower Upper  
 91 100  
 126 2.0 17.6 52.8#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.16 ug/l  
 RT: 12.73 min Scan# 3466  
 Delta R.T. 0.00 min  
 Lab File: VN050065.D  
 Acq: 26 Jul 2018 00:44

Tgt Ion: 105 Resp: 24511  
 Ion Ratio Lower Upper  
 105 100  
 120 52.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 93.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

CON-WC-S-3-0-11

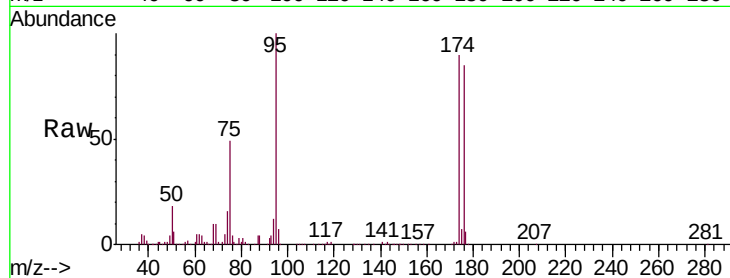
Tot Ion: 75 Resp: 190001

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

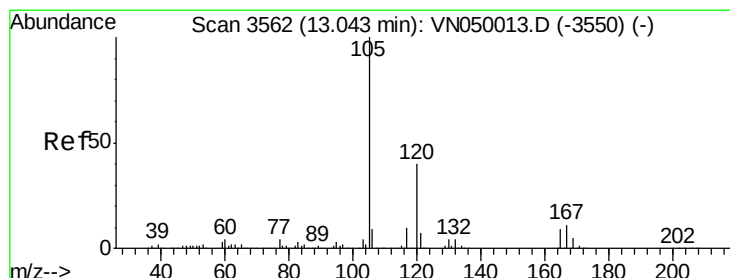
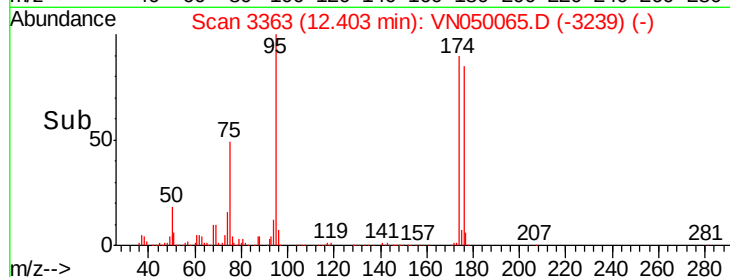
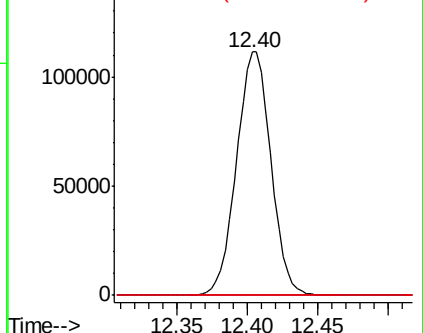
89 0.0 36.0 54.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 3.77 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050065.D

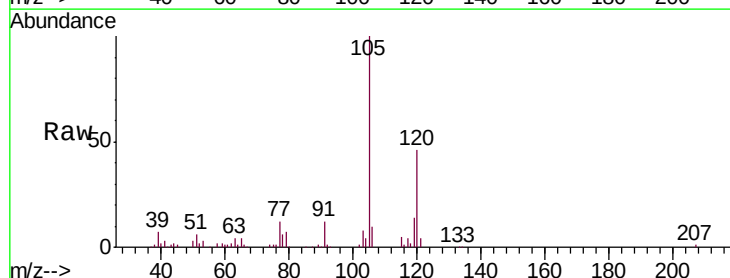
Acq: 26 Jul 2018 00:44

Tgt Ion: 105 Resp: 80503

Ion Ratio Lower Upper

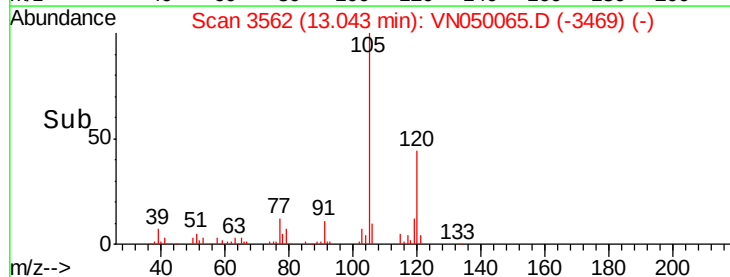
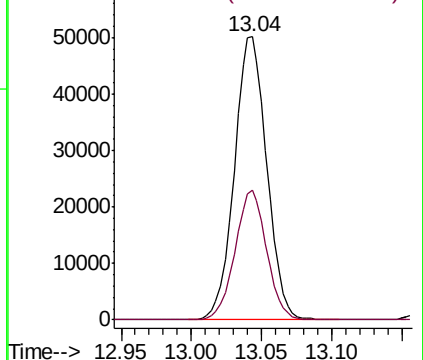
105 100

120 44.5 22.9 68.7

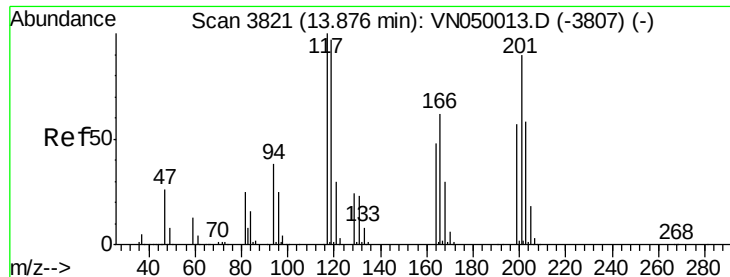


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V







#90

Hexachloroethane

Concen: 1.27 ua/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

Instrument :

MSVOA\_N

ClientSampleId :

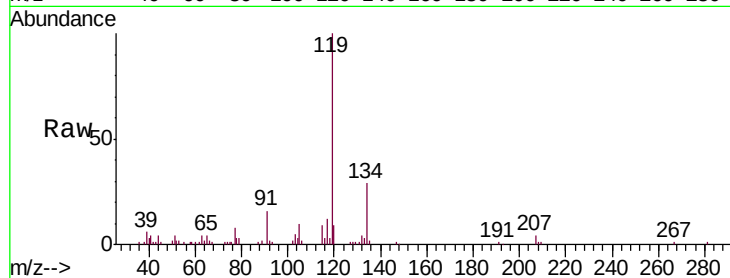
CON-WC-S-3-0-11

Tot Ion:117 Resp: 5896

Ion Ratio Lower Upper

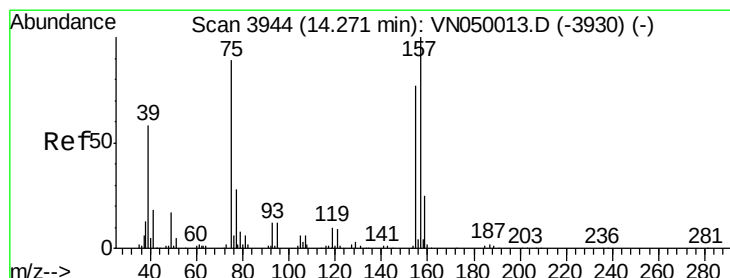
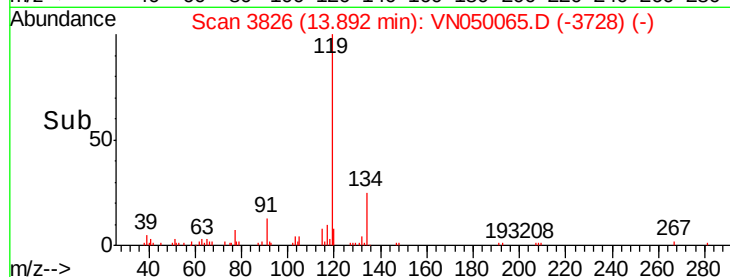
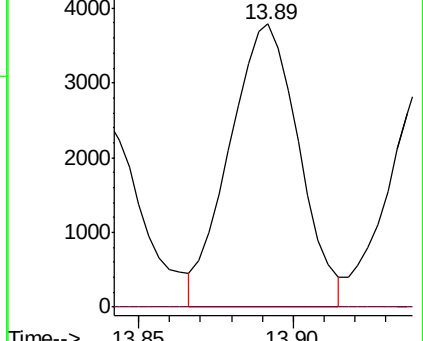
117 100

201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN050065.D

Acq: 26 Jul 2018 00:44

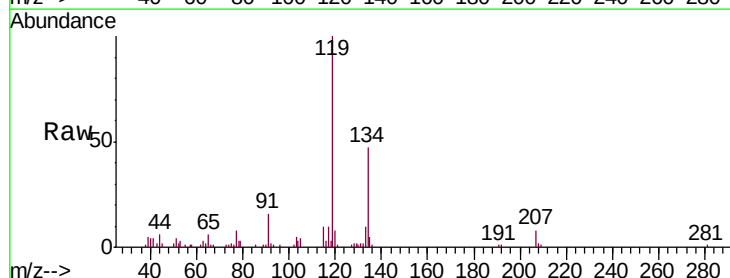
Tgt Ion: 75 Resp: 636

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

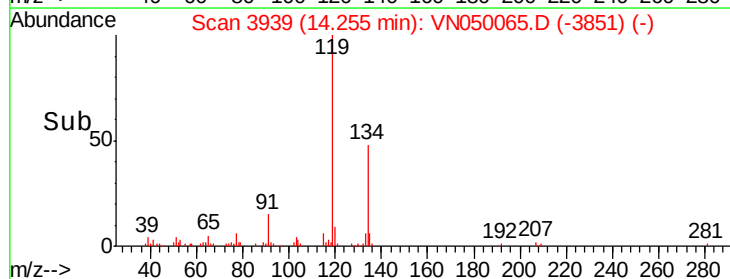
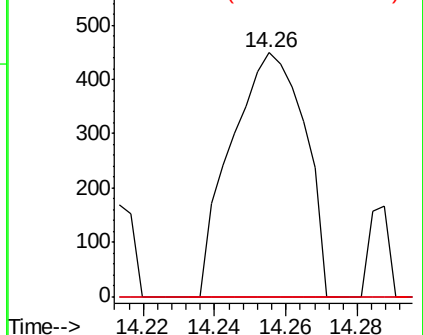
157 0.0 57.2 171.6#

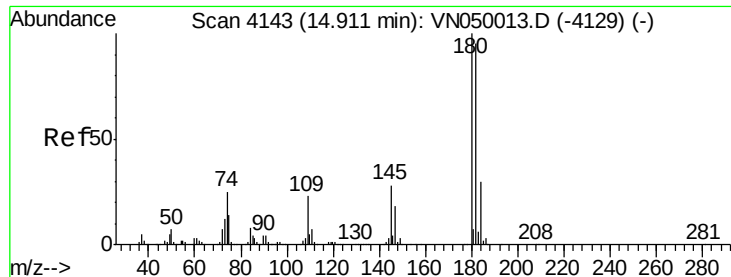


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

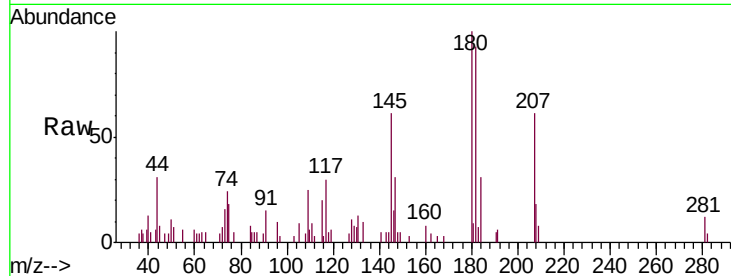




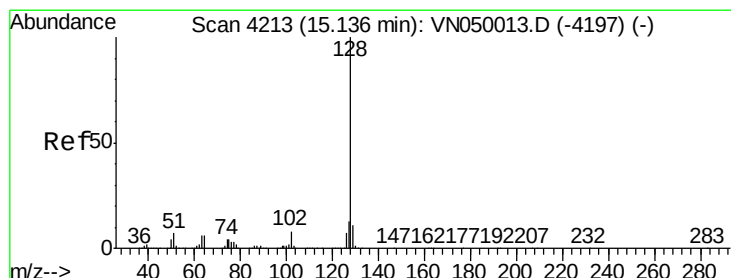
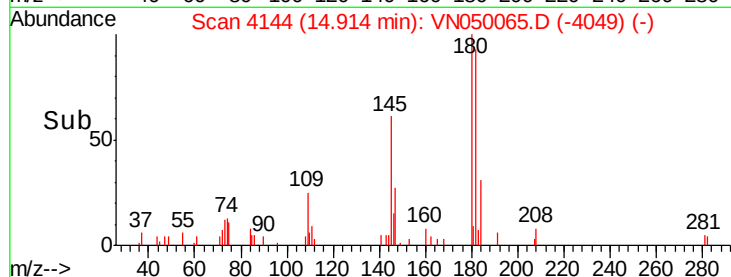
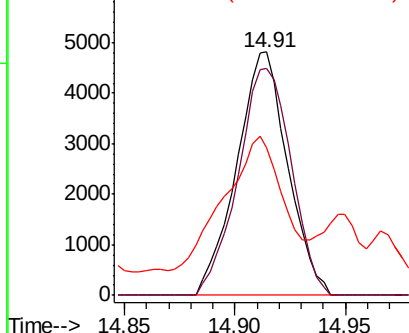
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.17 ug/l  
 RT: 14.91 min Scan# 4144  
 Delta R.T. 0.00 min  
 Lab File: VN050065.D  
 Acq: 26 Jul 2018 00:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CON-WC-S-3-0-11

Tot Ion:180 Resp: 7745  
 Ion Ratio Lower Upper  
 180 100  
 182 97.4 46.7 140.1  
 145 84.8 13.8 41.4#

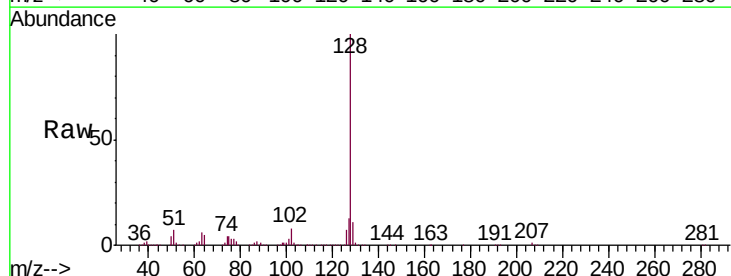


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

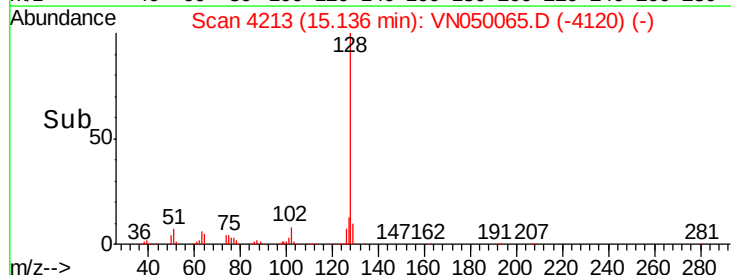
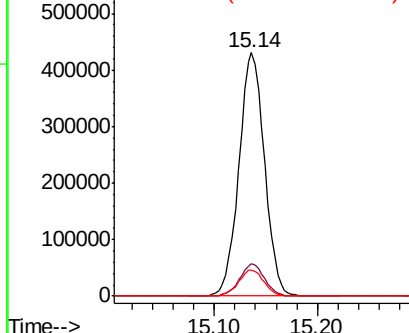


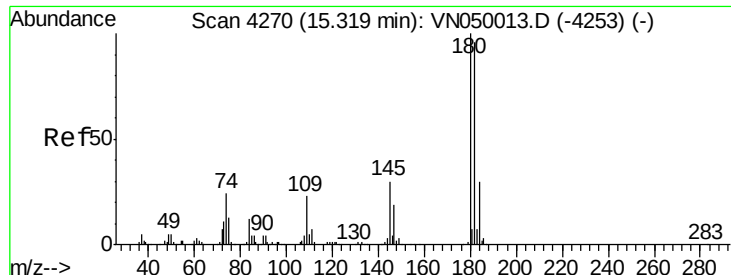
#95  
 Naphthalene  
 Concen: 46.96 ug/l  
 RT: 15.14 min Scan# 4213  
 Delta R.T. 0.00 min  
 Lab File: VN050065.D  
 Acq: 26 Jul 2018 00:44

Tgt Ion:128 Resp: 740909  
 Ion Ratio Lower Upper  
 128 100  
 127 12.8 10.4 15.6  
 129 10.6 8.8 13.2



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: 2.41 ug/l  
 RT: 15.32 min Scan# 4270  
 Delta R.T. 0.00 min  
 Lab File: VN050065.D  
 Acq: 26 Jul 2018 00:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CON-WC-S-3-0-11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 125.2 | 48.1  | 144.4 |
| 145     | 0.0   | 15.3  | 45.9# |

