

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\  
 Data File : VN053778.D  
 Acq On : 14 Feb 2019 14:42  
 Operator : JC/SP  
 Sample : K1480-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 15 01:03:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 756021   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1237490  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1181343  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 537643   | 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   | 398589   | 52.55 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.10% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 392756   | 50.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.46% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1526143  | 51.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.96% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 529189   | 54.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.08% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 8) Diethyl Ether               | 3.42  | 74   | 1674     | 0.388   | ug/l   | 83     |
| 11) Tert butyl alcohol         | 4.79  | 59   | 1208     | 2.691   | ug/l # | 72     |
| 13) Acrolein                   | 3.61  | 56   | 1978     | 8.094   | ug/l # | 54     |
| 16) Acetone                    | 3.82  | 43   | 224974   | 115.644 | ug/l   | 99     |
| 17) Carbon Disulfide           | 4.06  | 76   | 16115    | 0.739   | ug/l # | 94     |
| 18) Methyl Acetate             | 4.34  | 43   | 4133     | 0.717   | ug/l # | 88     |
| 20) Methylene Chloride         | 4.55  | 84   | 78574    | 9.627   | ug/l   | 97     |
| 25) 2-Butanone                 | 6.84  | 43   | 49350    | 17.787  | ug/l   | 98     |
| 29) Tetrahydrofuran            | 7.23  | 42   | 12369    | 6.942   | ug/l # | 33     |
| 30) Chloroform                 | 7.38  | 83   | 10679    | 0.782   | ug/l   | 85     |
| 31) Cyclohexane                | 7.66  | 56   | 10966    | 0.688   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 45085    | 4.042   | ug/l # | 48     |
| 37) Ethyl Acetate              | 6.84  | 43   | 49350    | 7.921   | ug/l # | 67     |
| 38) Carbon Tetrachloride       | 7.66  | 117  | 58849    | 5.237   | ug/l # | 15     |
| 41) Methacrylonitrile          | 7.22  | 41   | 4825     | 1.386   | ug/l # | 44     |
| 43) Isopropyl Acetate          | 8.18  | 43   | 32482    | 2.700   | ug/l # | 79     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 1830     | 0.208   | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.18  | 41   | 9787     | 1.704   | ug/l # | 27     |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 68083    | 11.515  | ug/l # | 85     |
| 52) Toluene                    | 10.16 | 92   | 235071   | 11.514  | ug/l   | 99     |
| 53) t-1,3-Dichloropropene      | 10.16 | 75   | 2263     | 0.205   | ug/l # | 1      |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 61515    | 4.701   | ug/l # | 63     |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 11222    | 0.893   | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.76 | 43   | 153566   | 38.259  | ug/l # | 53     |
| 67) Ethyl Benzene              | 11.51 | 91   | 14093    | 0.342   | ug/l   | 98     |
| 68) m/p-Xylenes                | 11.62 | 106  | 10973    | 0.697   | ug/l   | 98     |
| 69) o-Xylene                   | 11.95 | 106  | 6325     | 0.416   | ug/l   | 97     |
| 71) Bromoform                  | 12.40 | 173  | 3737     | 0.622   | ug/l # | 1      |
| 74) N-amyl acetate             | 12.03 | 43   | 7921     | 0.872   | ug/l # | 47     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 243145   | 35.209  | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 9504     | 0.303   | ug/l   | 98     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 243145   | 99.006  | ug/l # | 15     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 32205    | 1.009   | ug/l # | 30     |
| 85) sec-Butylbenzene           | 13.29 | 105  | 594192   | 15.763  | ug/l # | 1      |

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Instrument :  
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ClientSampleId :

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Quant Title : SW846 8260  
QLast Update : Fri Feb 01 09:11:52 2019  
Response via : Initial Calibration

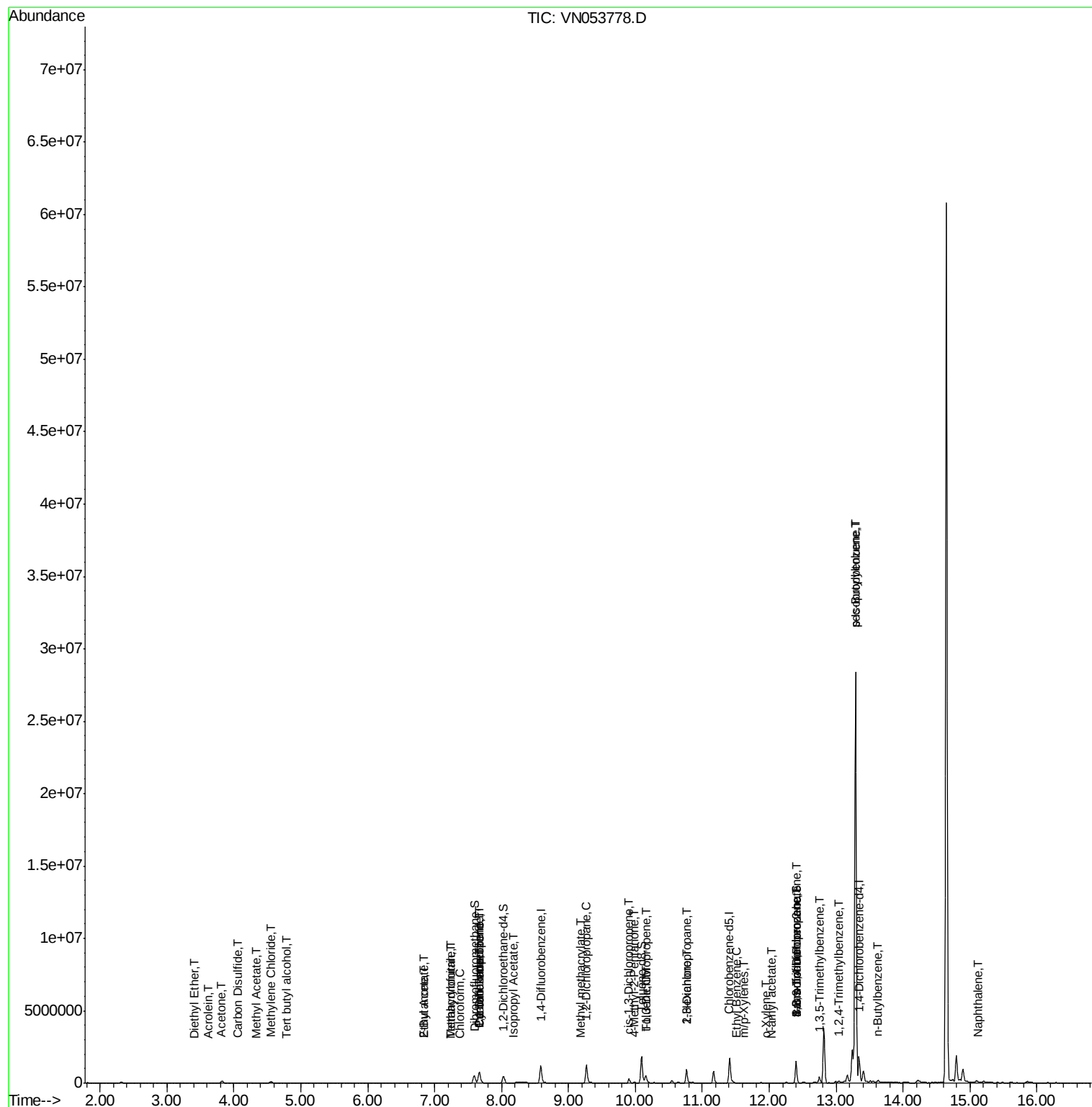
| Internal Standards     | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|------------------------|-------|------|----------|---------|--------|----------|
| 86) p-Isopropyltoluene | 13.28 | 119  | 15658150 | 474.954 | uq/l   | 93       |
| 89) n-Butylbenzene     | 13.63 | 91   | 5717     | 0.200   | uq/l # | 43       |
| 95) Naphthalene        | 15.13 | 128  | 11806    | 2.219   | uq/l # | 87       |

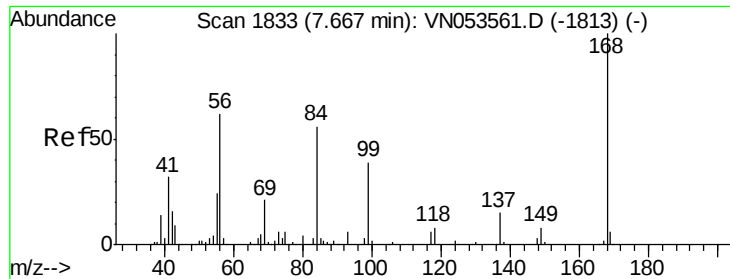
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021419\  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

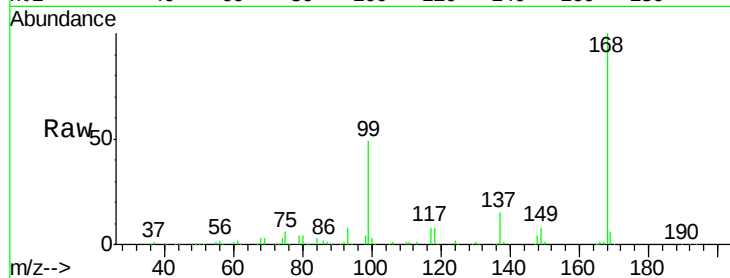
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 756021

Ion Ratio Lower Upper

168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

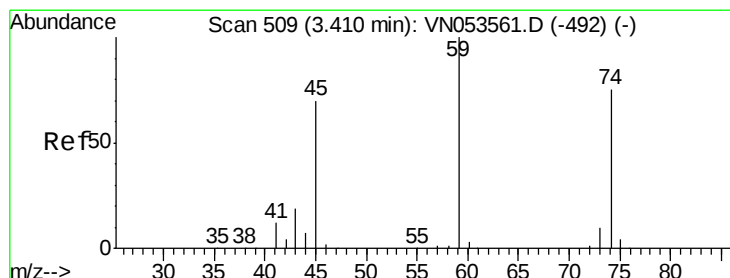
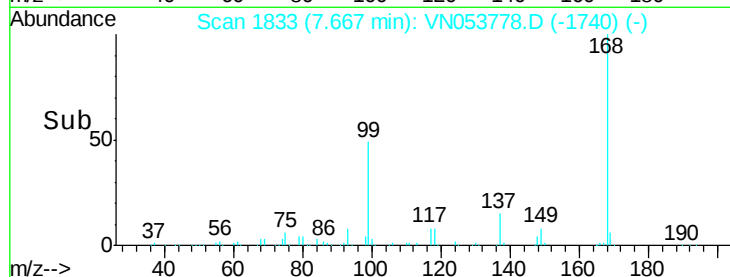
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#8

Diethyl Ether

Concen: 0.388 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.01 min

Lab File: VN053778.D

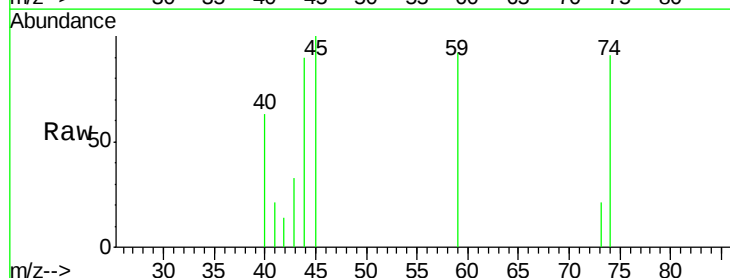
Acq: 14 Feb 2019 14:42

Tgt Ion: 74 Resp: 1674

Ion Ratio Lower Upper

74 100

45 112.1 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.42

1200

1000

800

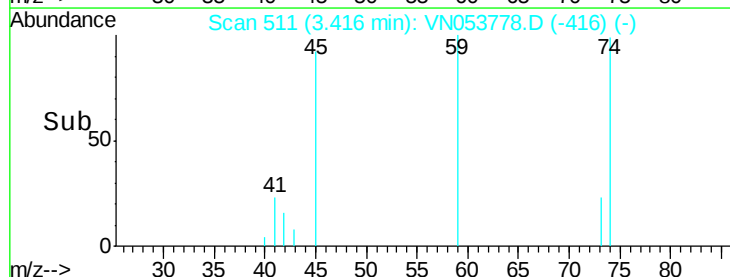
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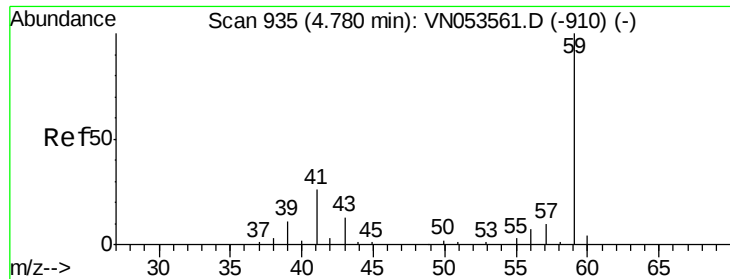
400

200

0

Time--> 3.40 3.45

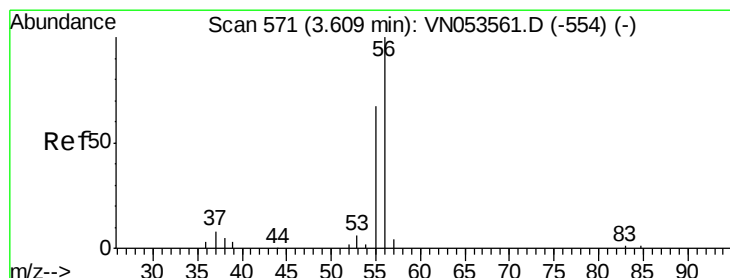
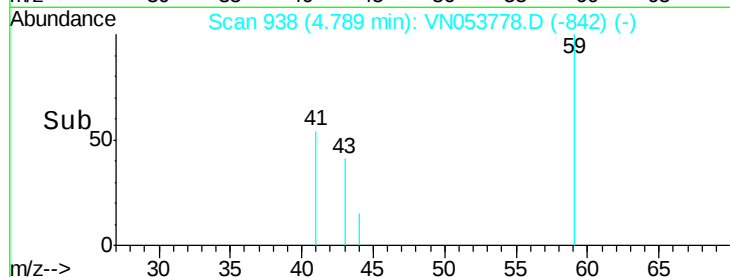
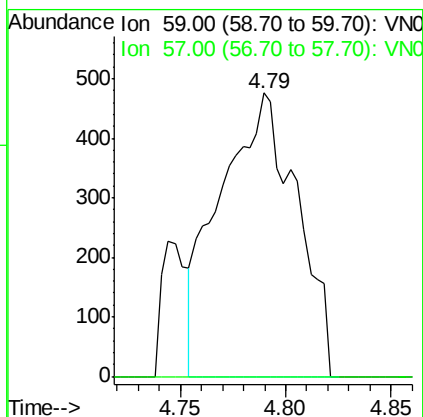
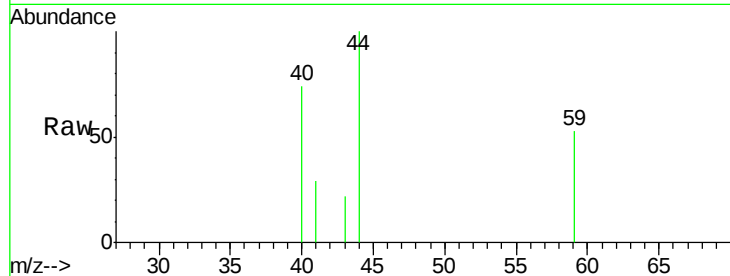




#11  
Tert butvl alcohol  
Concen: 2.691 ug/l  
RT: 4.79 min Scan# 938  
Delta R.T. 0.01 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

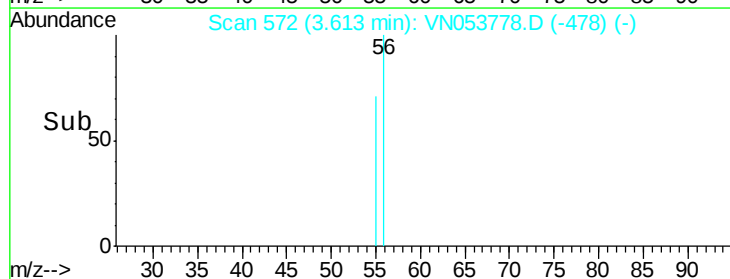
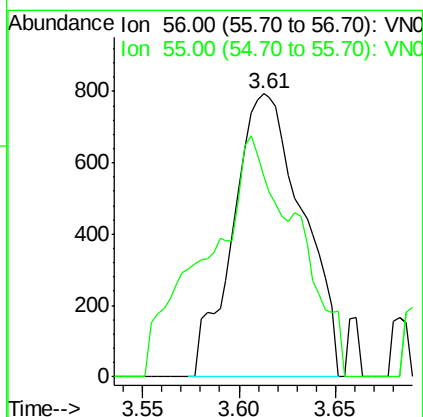
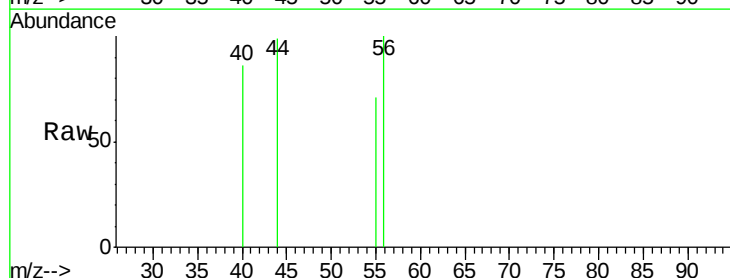
Instrument :  
MSVOA\_N  
ClientSampled :

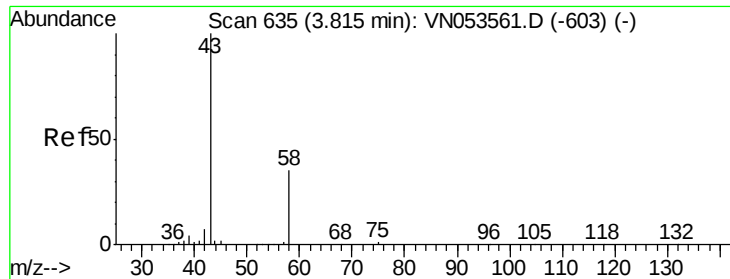
Tot Ion: 59 Resp: 1208  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



#13  
Acrolein  
Concen: 8.094 ug/l  
RT: 3.61 min Scan# 572  
Delta R.T. 0.00 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

Tgt Ion: 56 Resp: 1978  
Ion Ratio Lower Upper  
56 100  
55 110.3 57.4 86.0#





#16

Acetone

Concen: 115.644 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

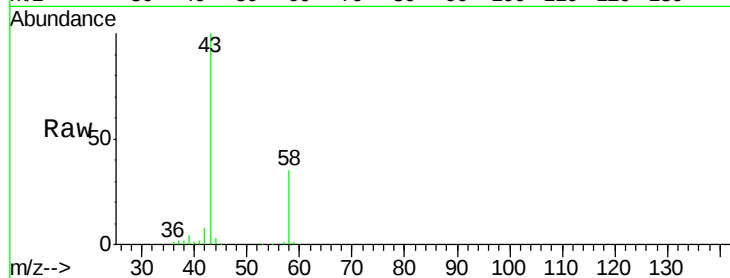
ClientSampleId :

Tot Ion: 43 Resp: 224974

Ion Ratio Lower Upper

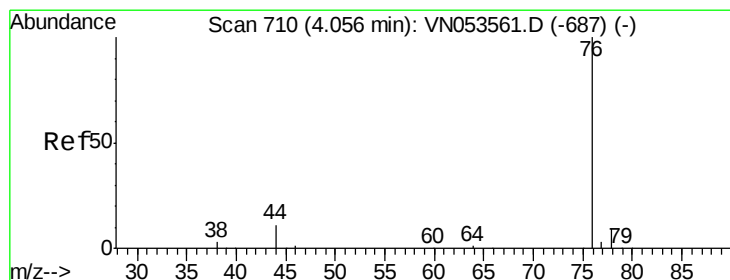
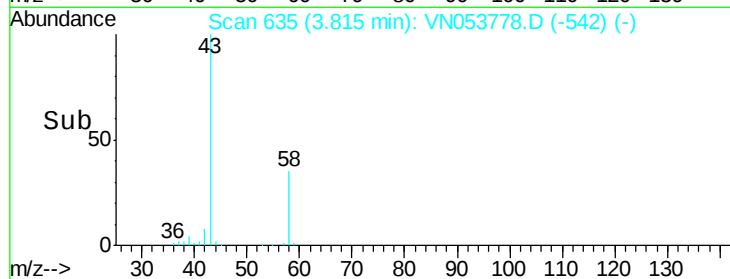
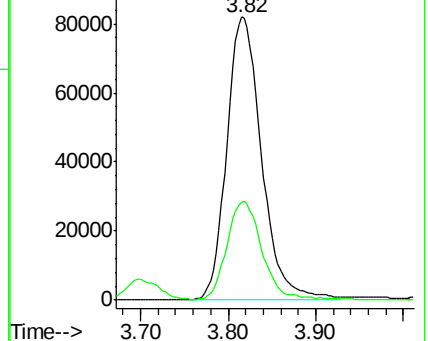
43 100

58 34.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.739 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053778.D

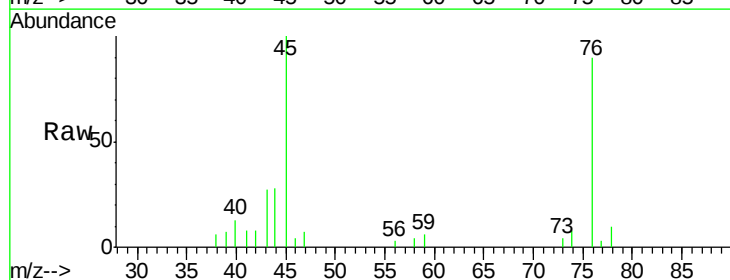
Acq: 14 Feb 2019 14:42

Tgt Ion: 76 Resp: 16115

Ion Ratio Lower Upper

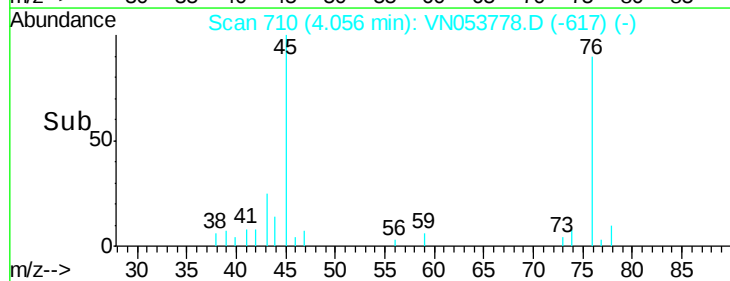
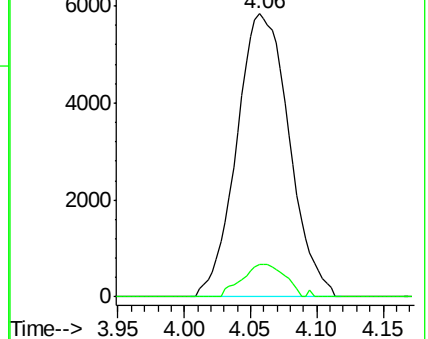
76 100

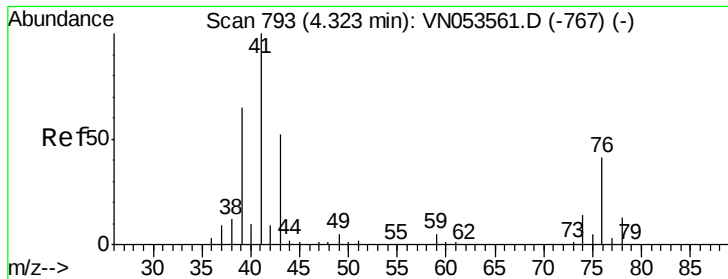
78 11.3 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

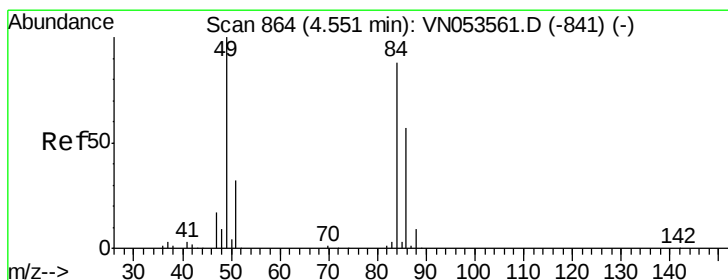
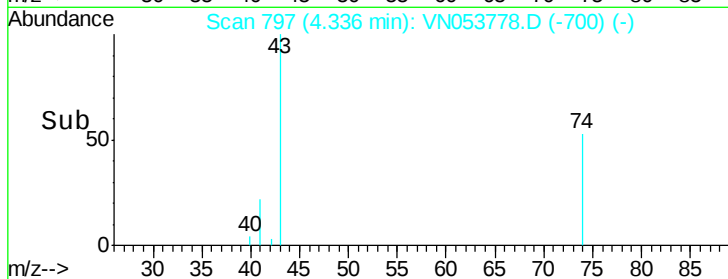
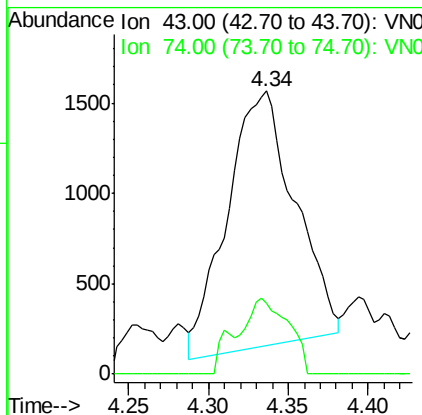
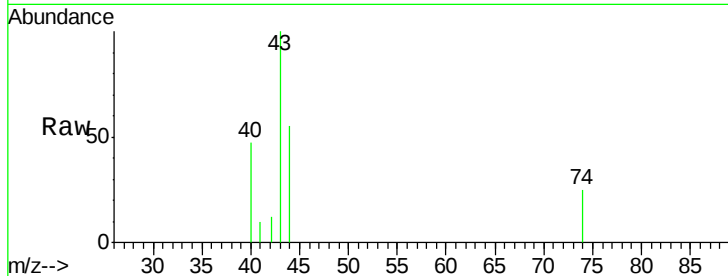




#18  
Methvl Acetate  
Concen: 0.717 ug/l  
RT: 4.34 min Scan# 797  
Delta R.T. 0.01 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

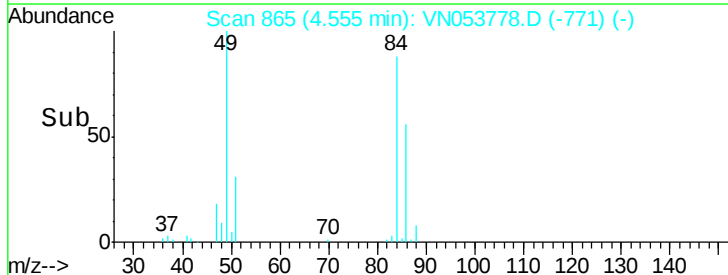
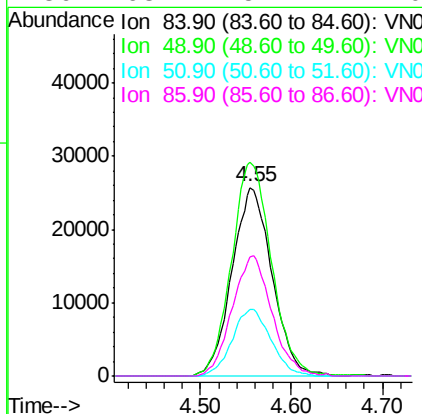
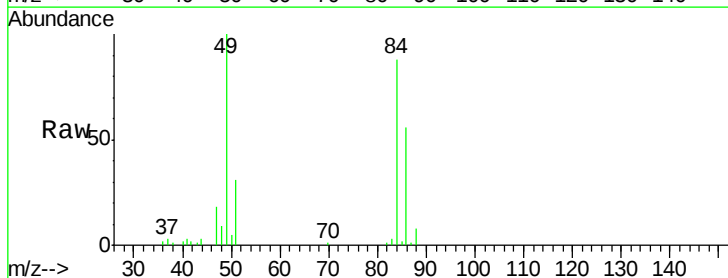
Instrument :  
MSVOA\_N  
ClientSampleId :

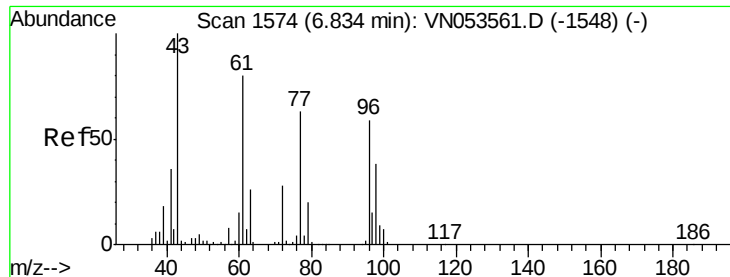
Tot Ion: 43 Resp: 4133  
Ion Ratio Lower Upper  
43 100  
74 18.4 19.4 29.2#



#20  
Methylene Chloride  
Concen: 9.627 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

Tgt Ion: 84 Resp: 78574  
Ion Ratio Lower Upper  
84 100  
49 113.4 94.3 141.5  
51 35.4 29.4 44.2  
86 63.1 51.4 77.0





#25

2-Butanone

Concen: 17.787 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

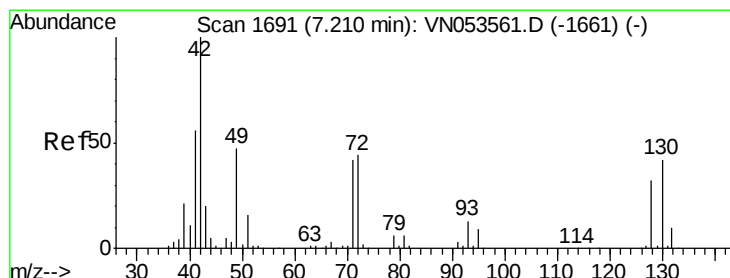
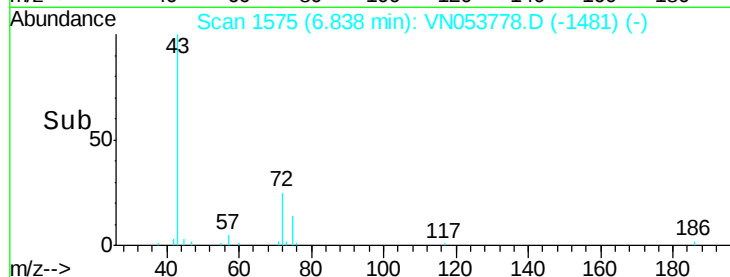
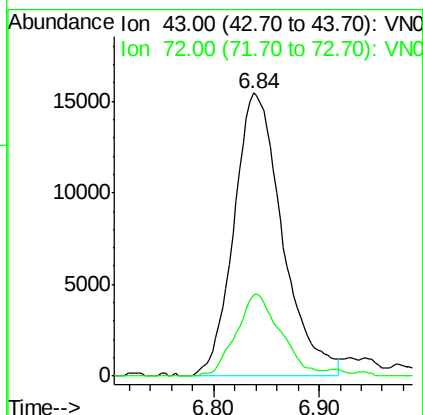
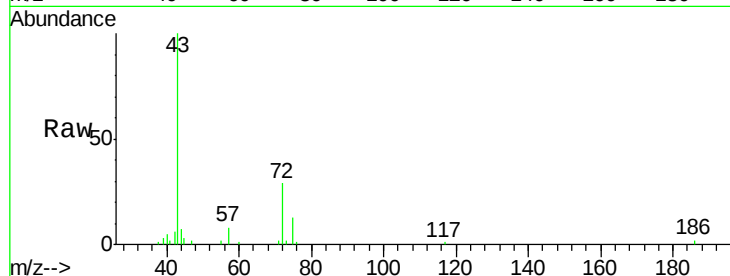
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 49350

Ion Ratio Lower Upper

43 100

72 28.5 22.0 33.0



#29

Tetrahydrofuran

Concen: 6.942 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

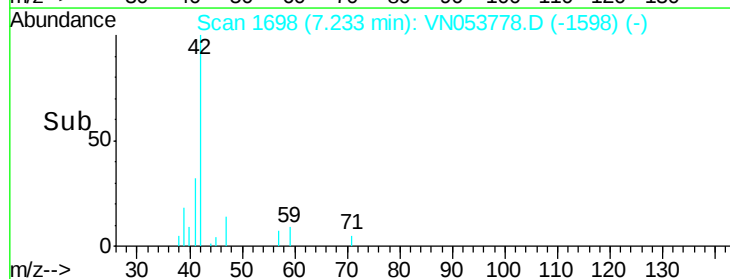
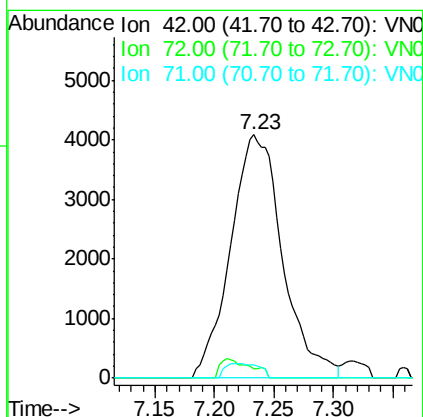
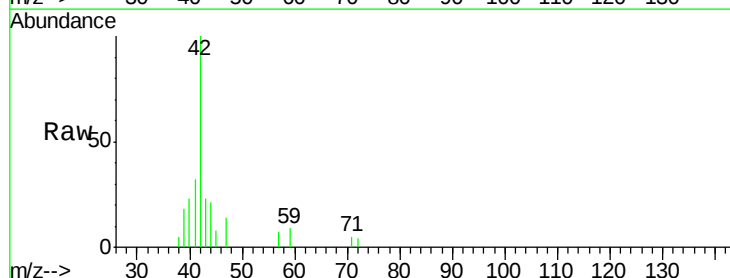
Tgt Ion: 42 Resp: 12369

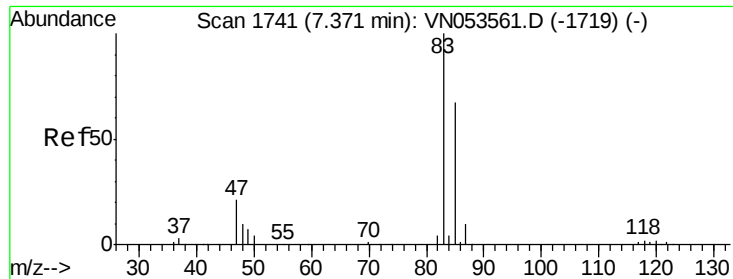
Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 0.0 33.0 49.4#

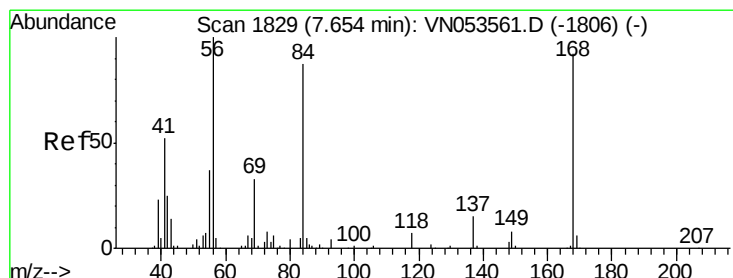
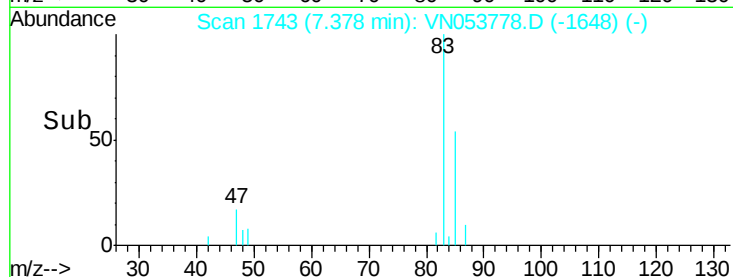
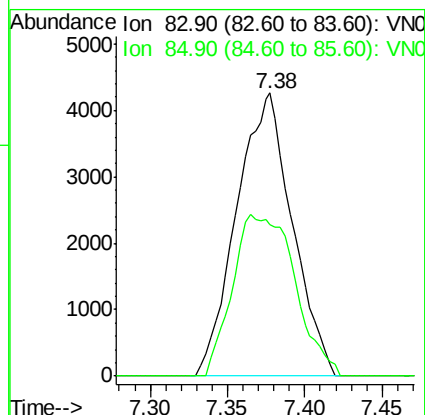
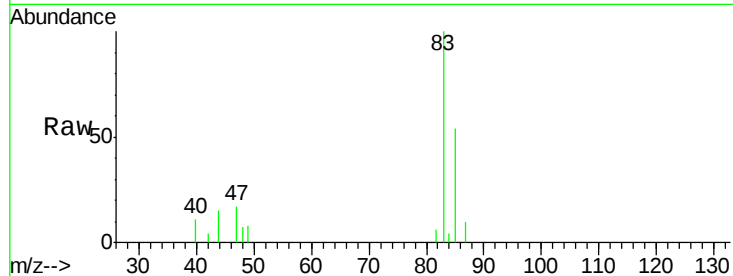




#30  
Chloroform  
Concen: 0.782 ug/l  
RT: 7.38 min Scan# 1743  
Delta R.T. 0.01 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

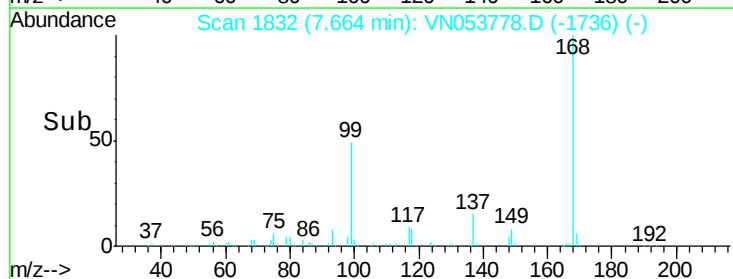
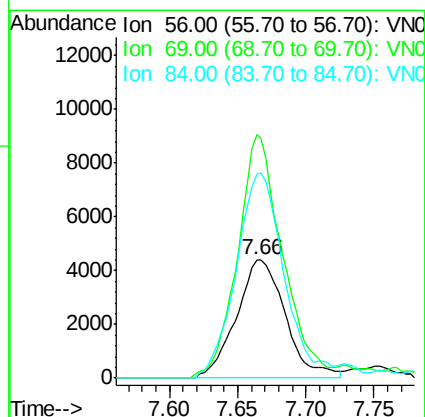
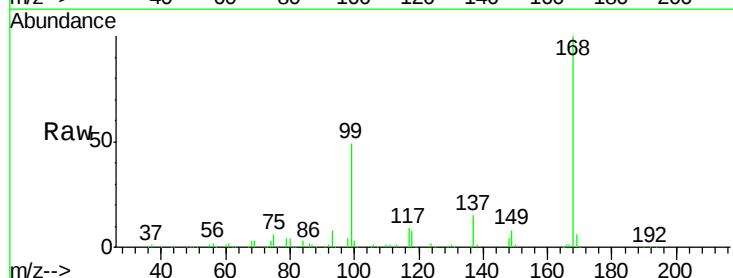
Instrument :  
MSVOA\_N  
ClientSampleId :

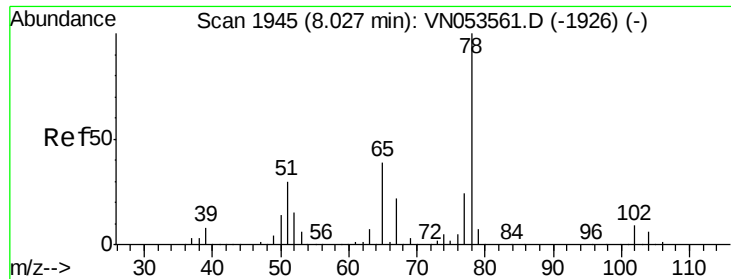
Tot Ion: 83 Resp: 10679  
Ion Ratio Lower Upper  
83 100  
85 53.5 52.2 78.2



#31  
Cyclohexane  
Concen: 0.688 ug/l  
RT: 7.66 min Scan# 1832  
Delta R.T. 0.01 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

Tgt Ion: 56 Resp: 10966  
Ion Ratio Lower Upper  
56 100  
69 205.9 26.4 39.6#  
84 172.3 67.9 101.9#

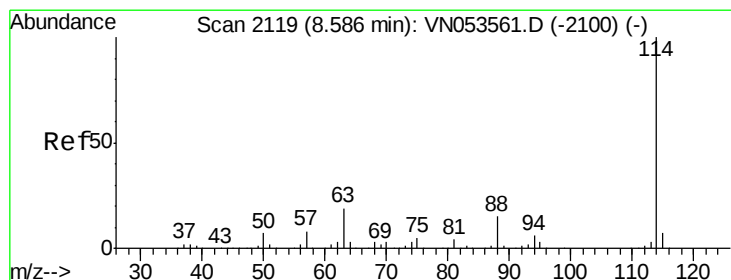
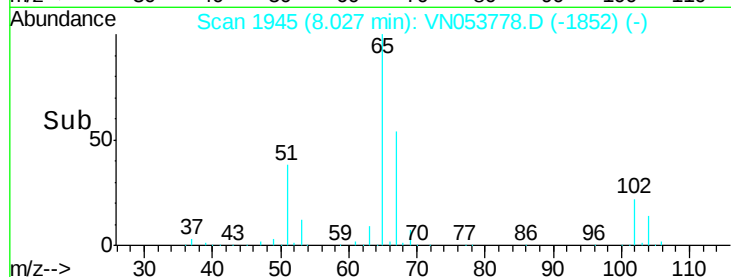
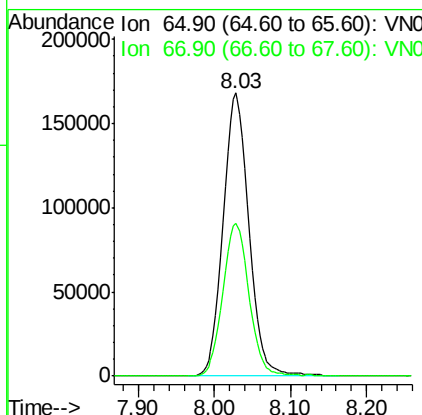
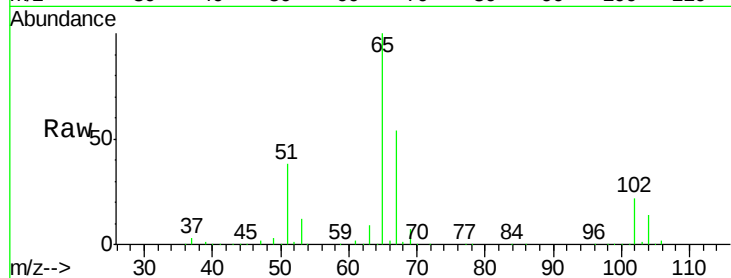




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.554 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053778.D  
 Acq: 14 Feb 2019 14:42

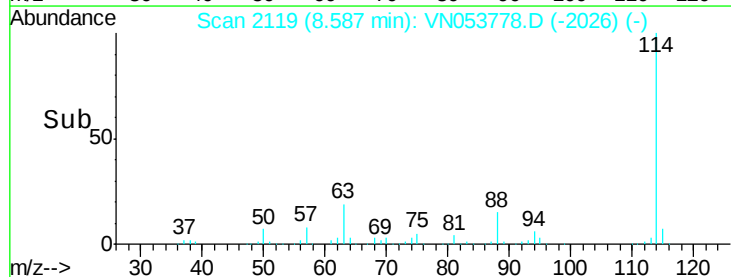
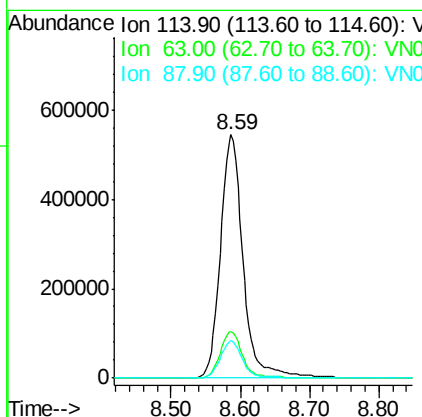
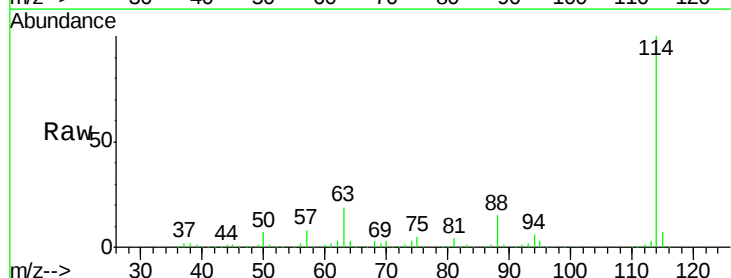
Instrument :  
 MSVOA\_N  
 ClientSampleId :

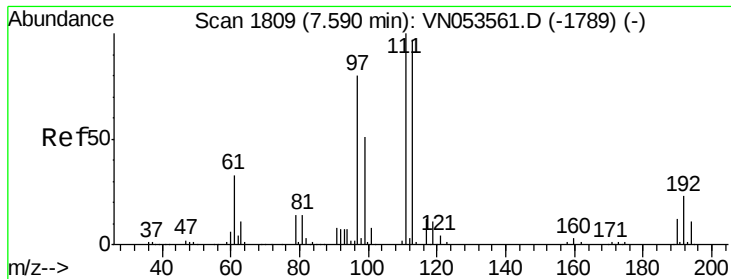
Tot Ion: 65 Resp: 398589  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 0.0 111.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053778.D  
 Acq: 14 Feb 2019 14:42

Tgt Ion: 114 Resp: 1237490  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 38.6  
 88 15.4 0.0 30.4

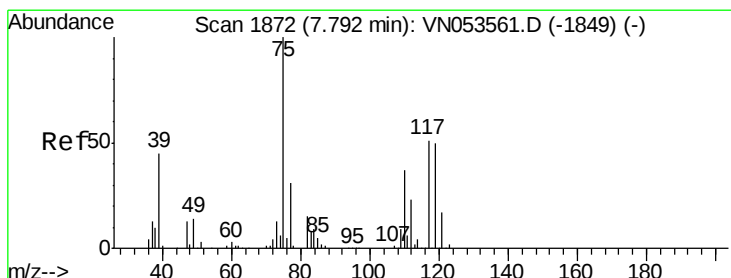
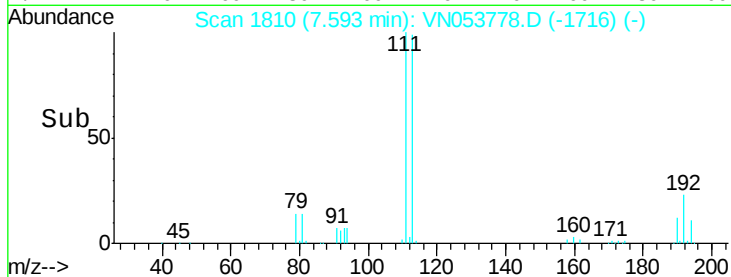
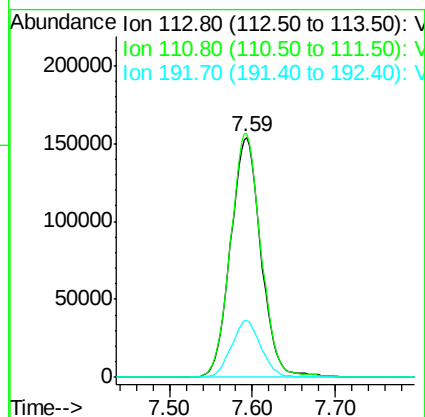
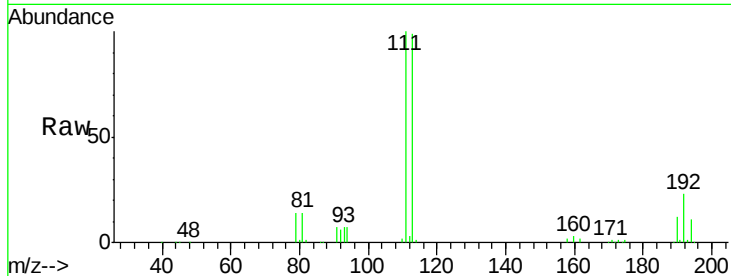




#35  
Dibromofluoromethane  
Concen: 50.229 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

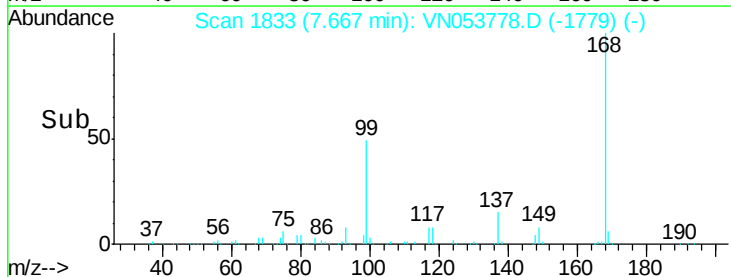
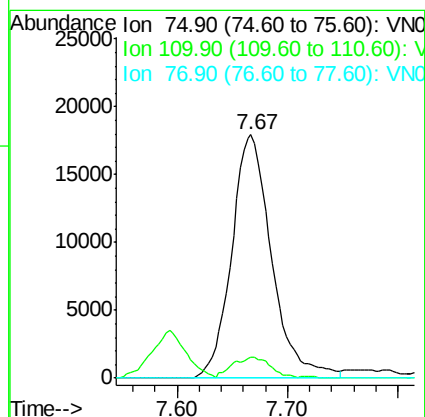
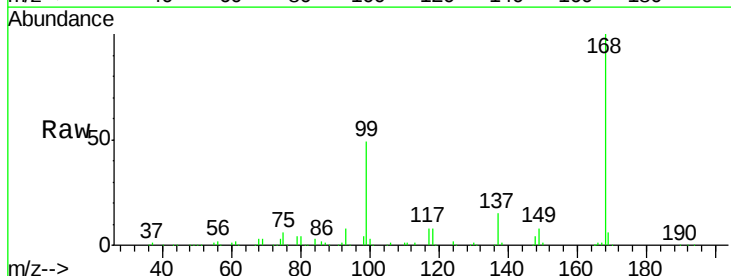
Instrument :  
MSVOA\_N  
ClientSampleId :

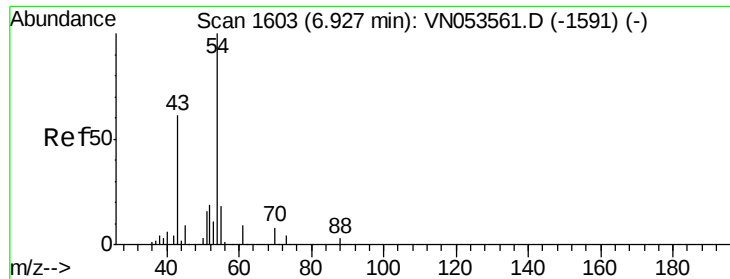
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 81.1  | 121.7 |
| 192     | 23.2  | 18.2  | 27.2  |



#36  
1,1-Dichloropropene  
Concen: 4.042 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. -0.13 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.2   | 18.1  | 54.3# |
| 77      | 0.0   | 25.1  | 37.7# |





#37

Ethyl Acetate

Concen: 7.921 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.09 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

ClientSampleId :

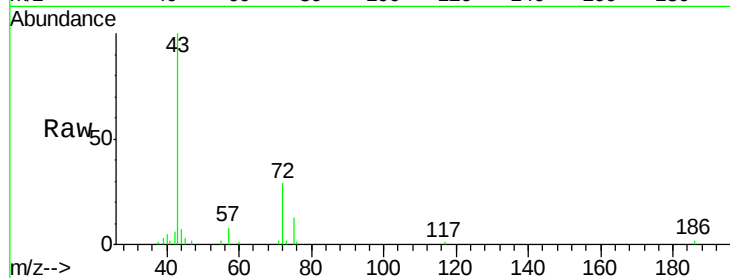
Tot Ion: 43 Resp: 49350

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

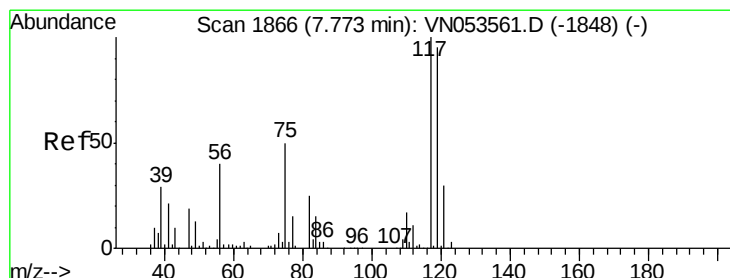
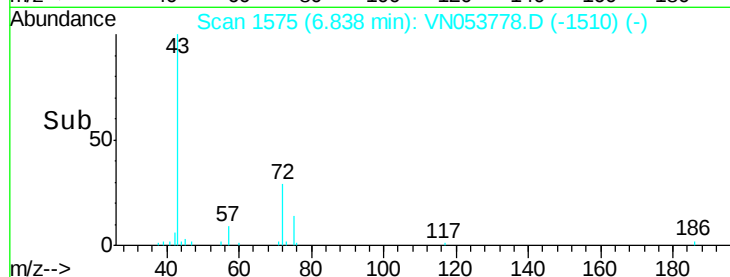
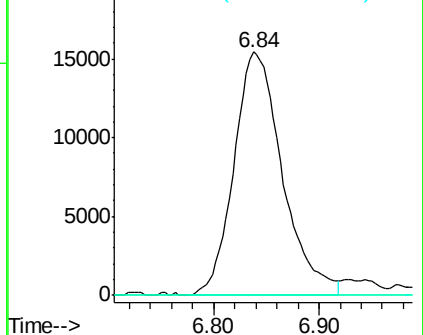
70 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053778.D (-1510) (-)

Ion 60.90 (60.60 to 61.60): VN053778.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN053778.D (-1510) (-)



#38

Carbon Tetrachloride

Concen: 5.237 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

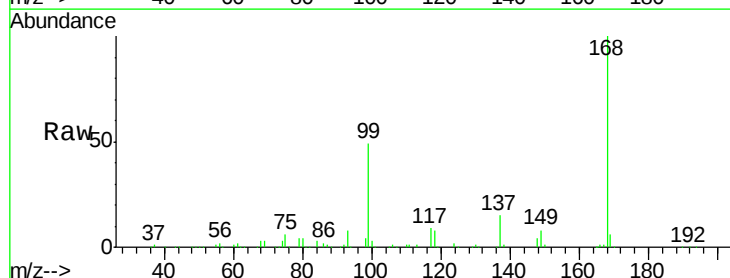
Tgt Ion: 117 Resp: 58849

Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

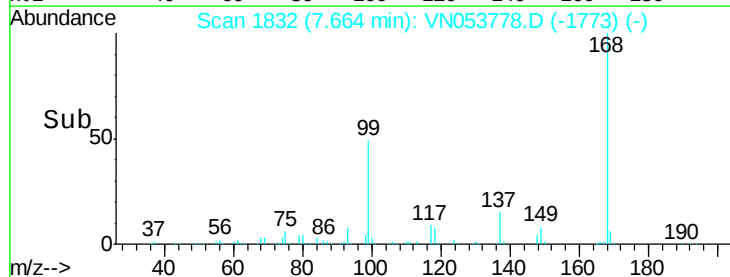
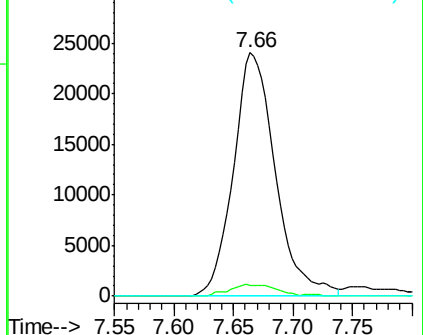
121 0.0 24.6 37.0#

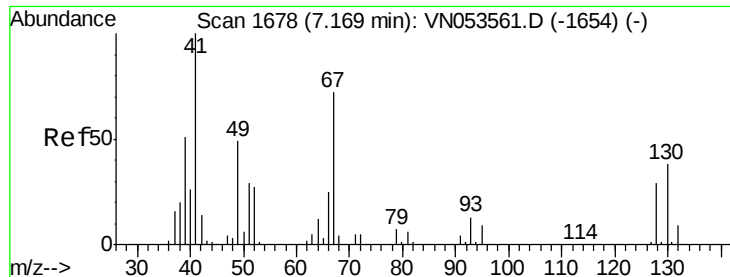


Abundance Ion 116.80 (116.50 to 117.50): VN053778.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053778.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053778.D (-1773) (-)

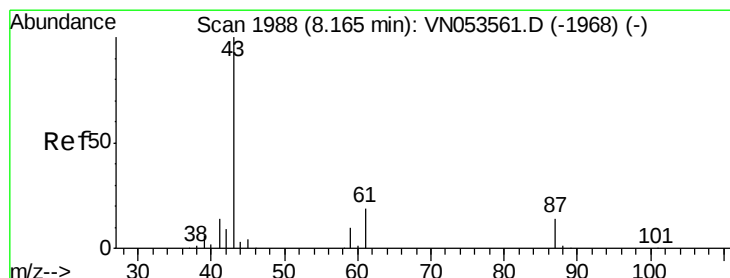
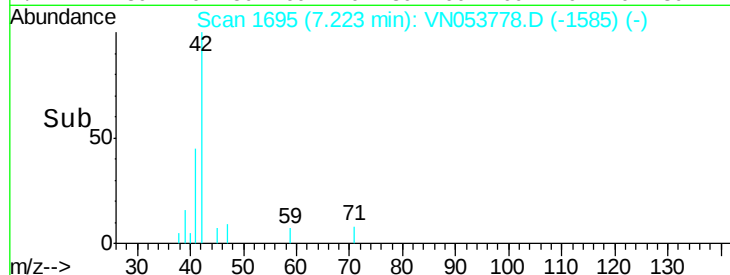
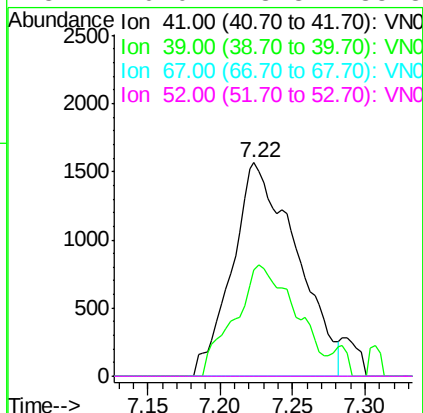
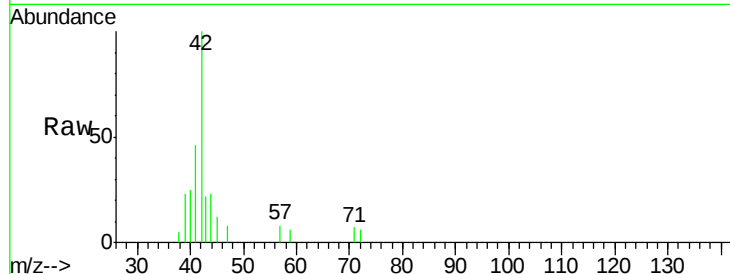




#41  
Methacrylonitrile  
Concen: 1.386 ug/l  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.05 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

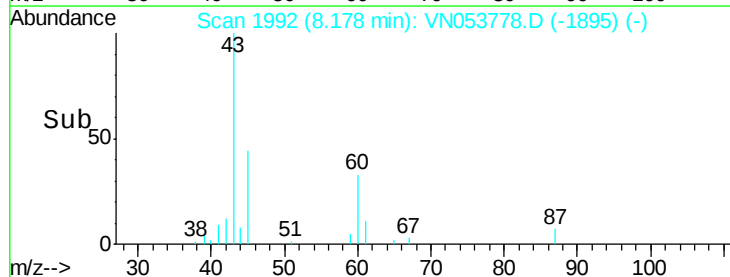
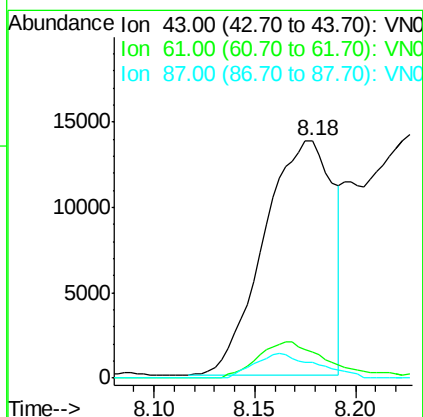
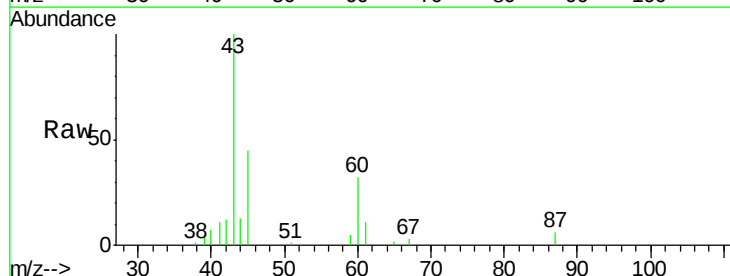
Instrument :  
MSVOA\_N  
ClientSampled :

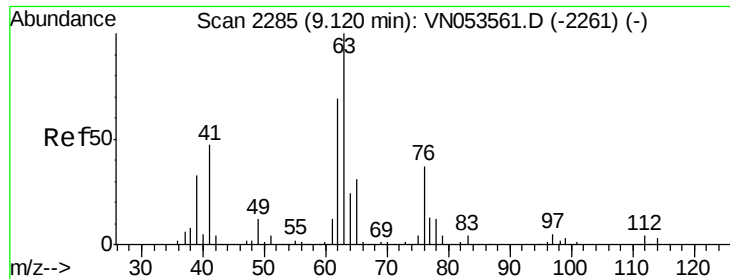
Tot Ion: 41 Resp: 4825  
Ion Ratio Lower Upper  
41 100  
39 49.8 46.8 70.2  
67 0.0 63.0 94.6#  
52 0.0 23.8 35.8#



#43  
Isopropyl Acetate  
Concen: 2.700 ug/l  
RT: 8.18 min Scan# 1992  
Delta R.T. 0.01 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

Tgt Ion: 43 Resp: 32482  
Ion Ratio Lower Upper  
43 100  
61 16.0 23.9 35.9#  
87 9.4 11.0 16.6#





#45

1,2-Dichloropropane

Concen: 0.208 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

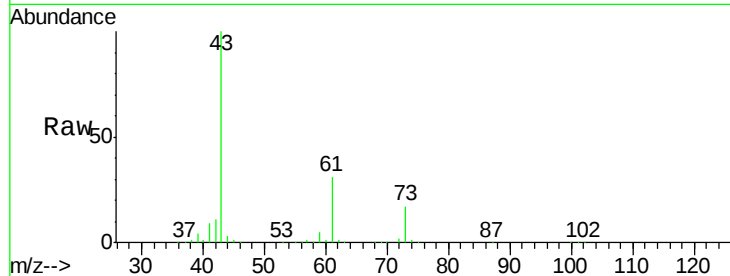
ClientSampled :

Tot Ion: 63 Resp: 1830

Ion Ratio Lower Upper

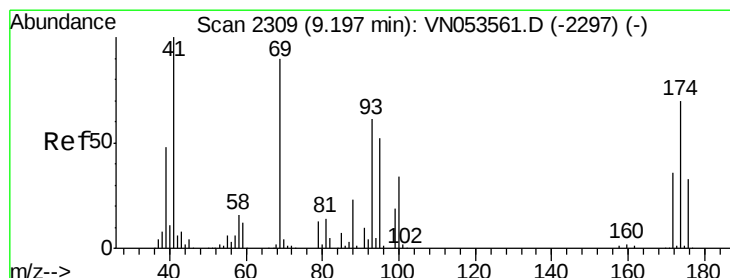
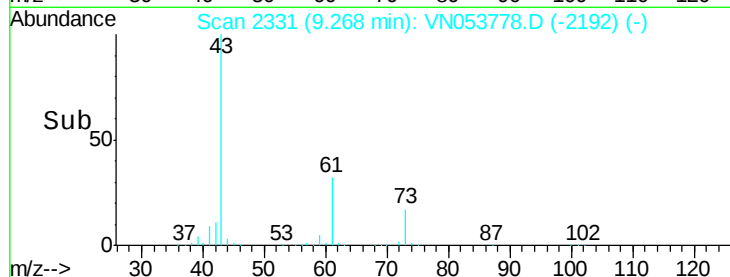
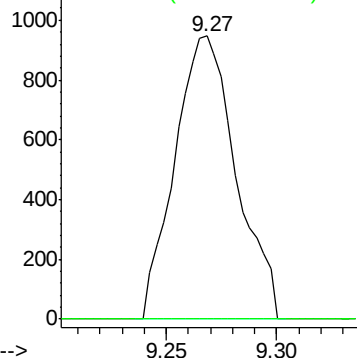
63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.704 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

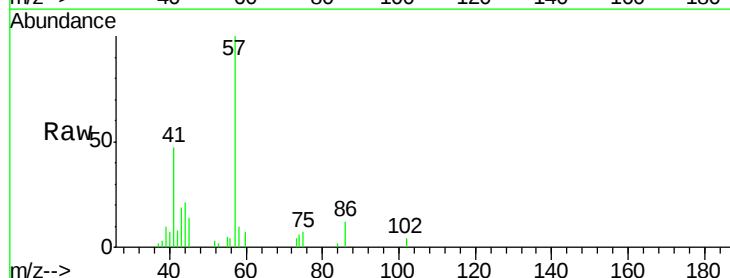
Tgt Ion: 41 Resp: 9787

Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

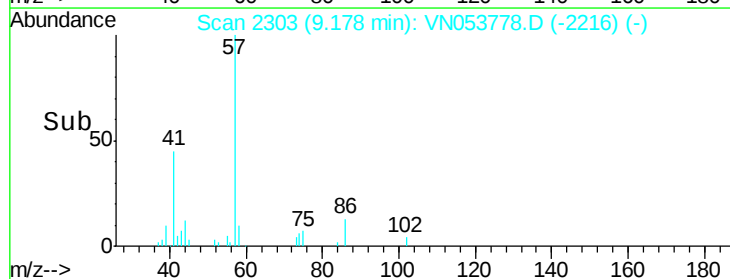
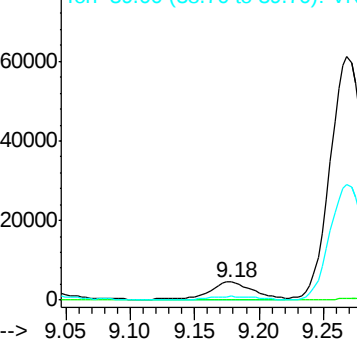
39 28.7 40.0 60.0#

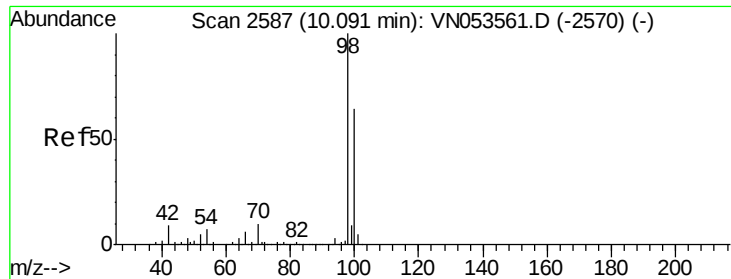


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

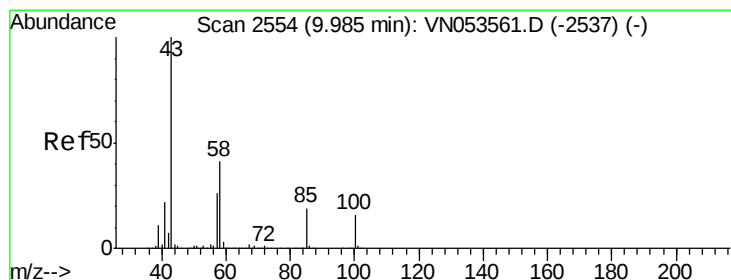
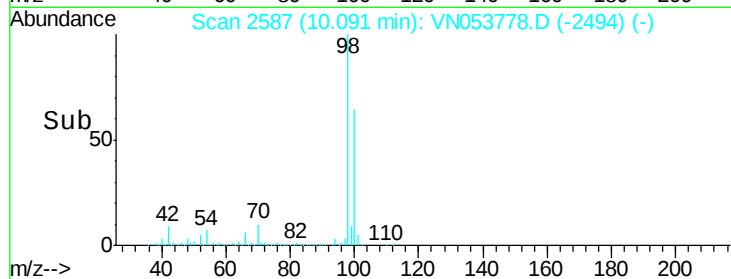
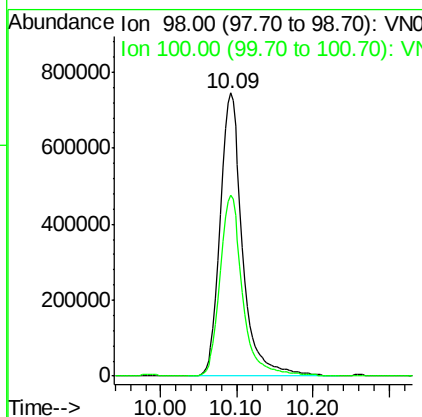
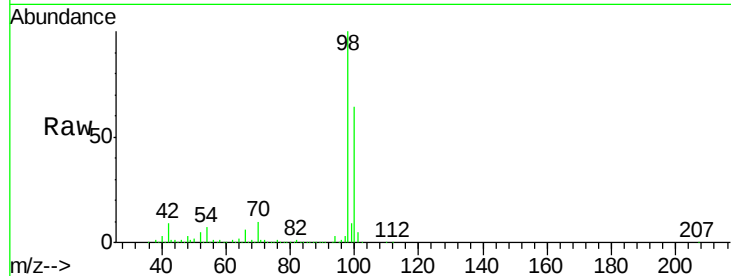




#50  
Toluene-d8  
Concen: 51.980 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

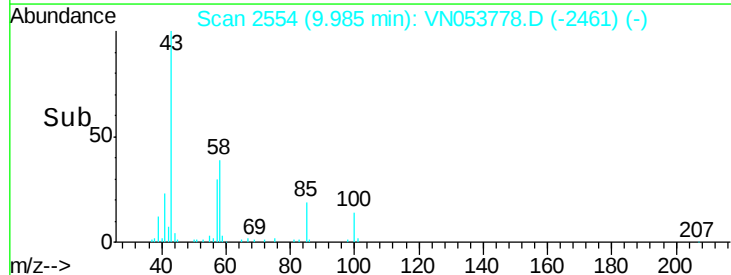
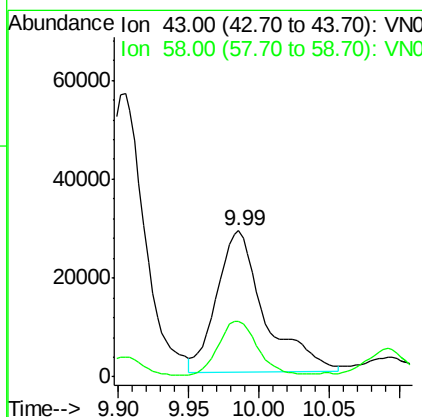
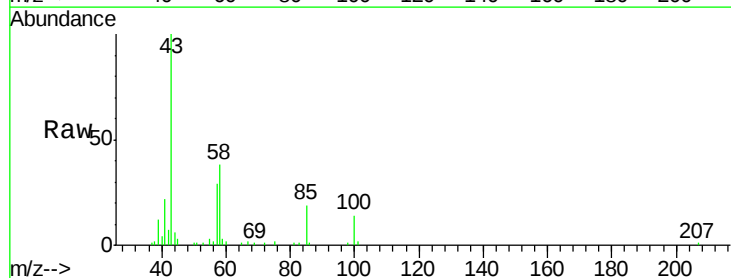
Instrument :  
MSVOA\_N  
ClientSampleId :

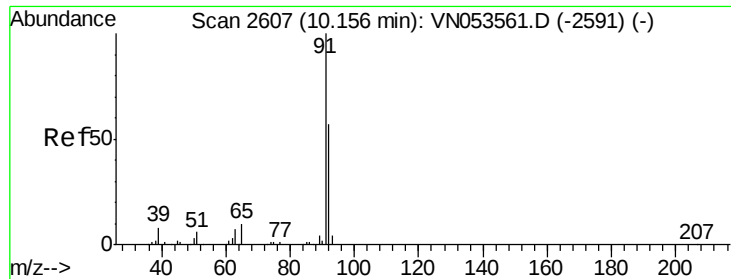
Tot Ion: 98 Resp: 1526143  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.4 77.0



#51  
4-Methyl-2-Pentanone  
Concen: 11.515 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

Tgt Ion: 43 Resp: 68083  
Ion Ratio Lower Upper  
43 100  
58 31.6 32.8 49.2#





#52

Toluene

Concen: 11.514 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

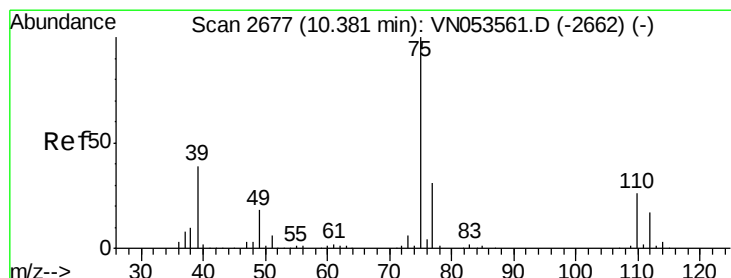
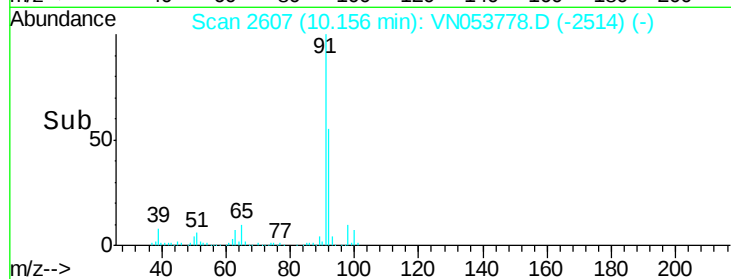
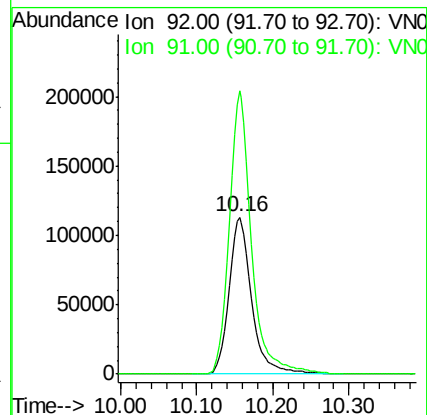
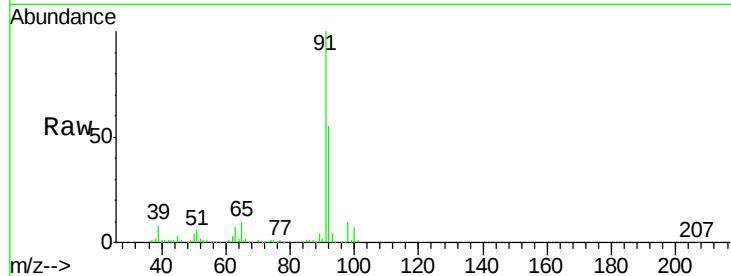
ClientSampleId :

Tot Ion: 92 Resp: 235071

Ion Ratio Lower Upper

92 100

91 176.0 139.9 209.9



#53

t-1,3-Dichloropropene

Concen: 0.205 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. -0.22 min

Lab File: VN053778.D

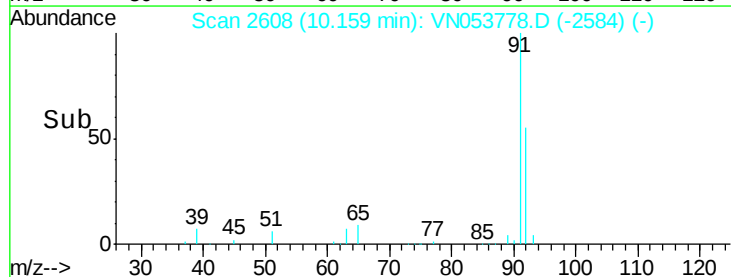
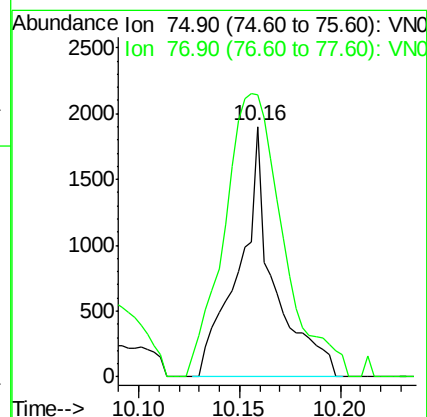
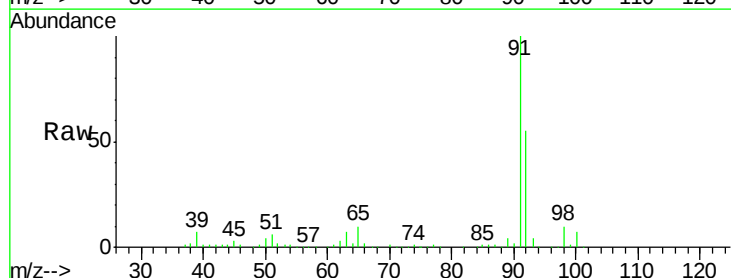
Acq: 14 Feb 2019 14:42

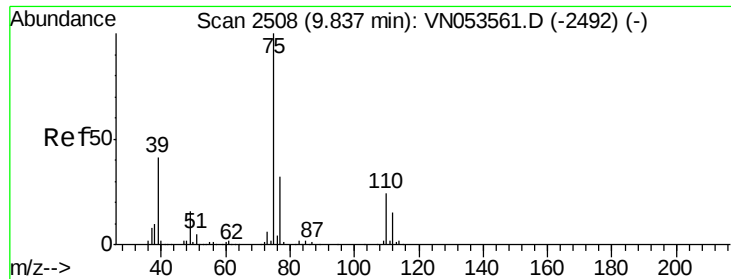
Tgt Ion: 75 Resp: 2263

Ion Ratio Lower Upper

75 100

77 104.4 25.5 38.3#



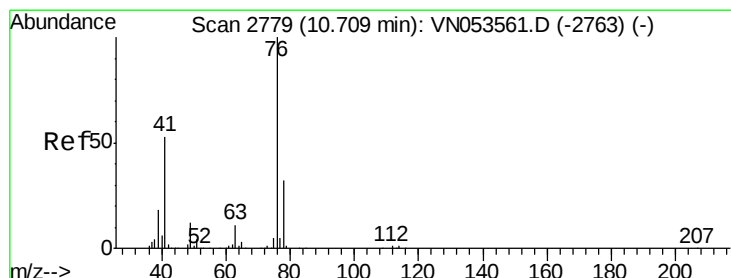
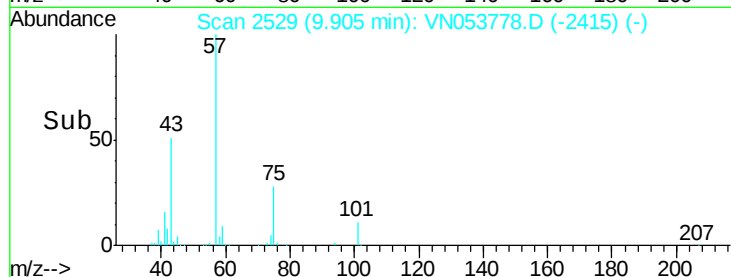
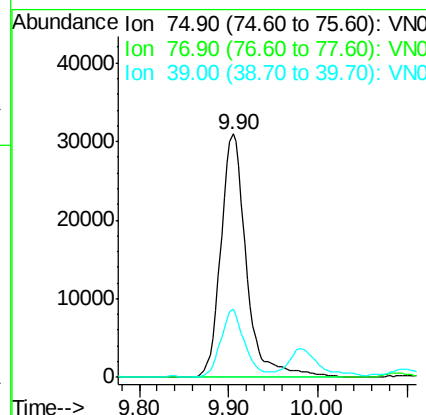
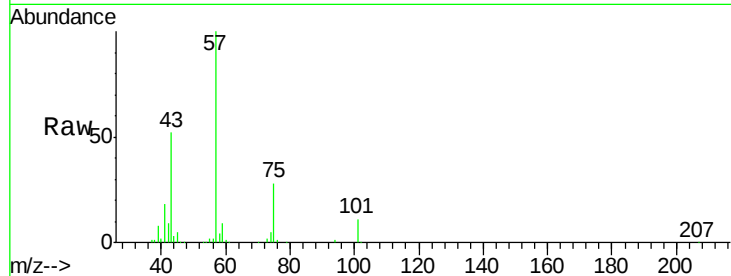


#54

cis-1,3-Dichloropropene  
 Concen: 4.701 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. 0.07 min  
 Lab File: VN053778.D  
 Acq: 14 Feb 2019 14:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :

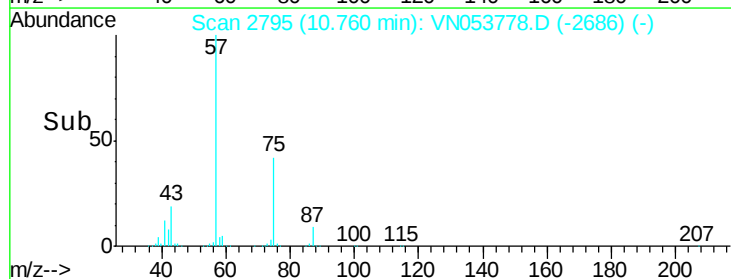
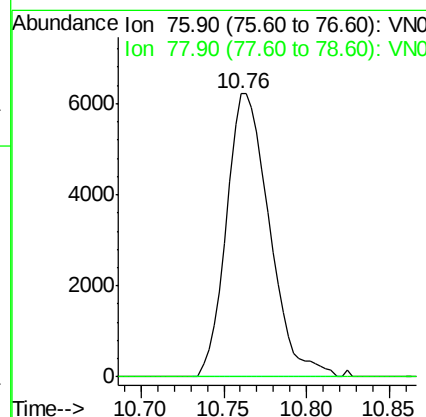
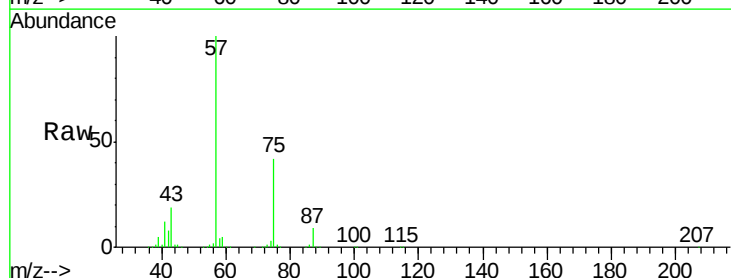
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.0   | 25.8  | 38.6# |
| 39      | 27.9  | 33.4  | 50.0# |

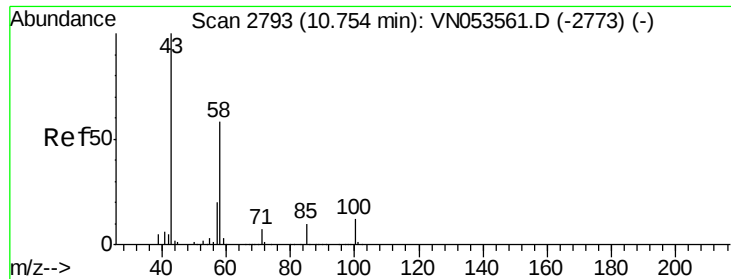


#57

1,3-Dichloropropane  
 Concen: 0.893 ug/l  
 RT: 10.76 min Scan# 2795  
 Delta R.T. 0.05 min  
 Lab File: VN053778.D  
 Acq: 14 Feb 2019 14:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 0.0   | 25.6  | 38.4# |





#59

2-Hexanone

Concen: 38.259 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

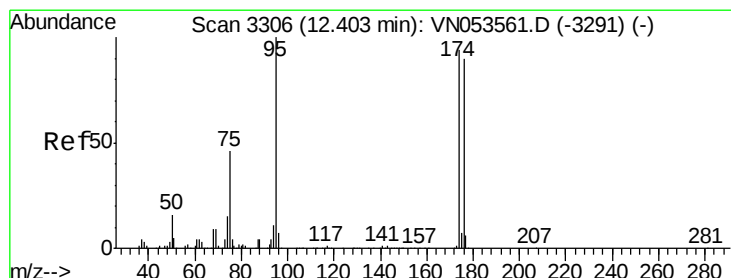
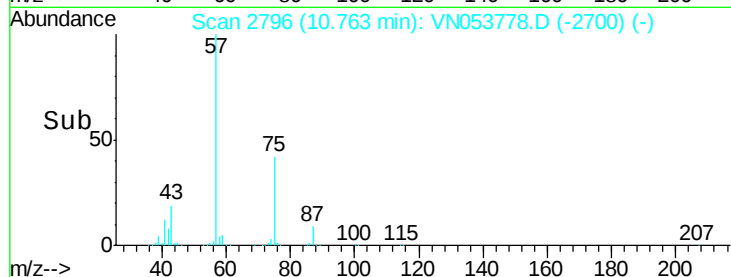
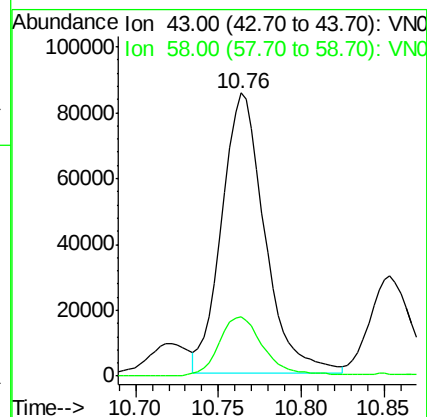
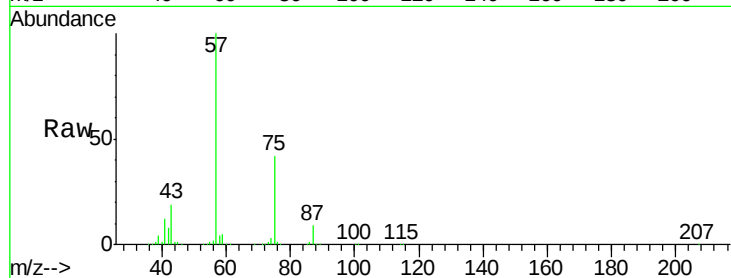
ClientSampleId :

Tot Ion: 43 Resp: 153566

Ion Ratio Lower Upper

43 100

58 22.3 28.6 85.8#



#62

4-Bromofluorobenzene

Concen: 54.043 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

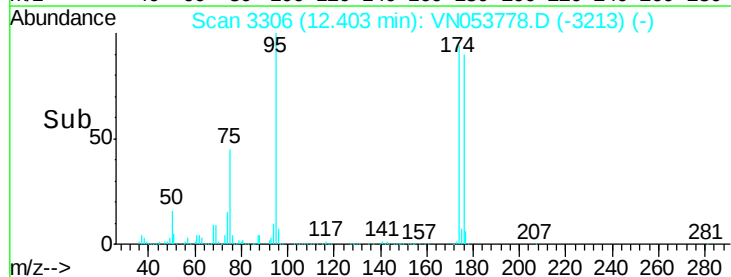
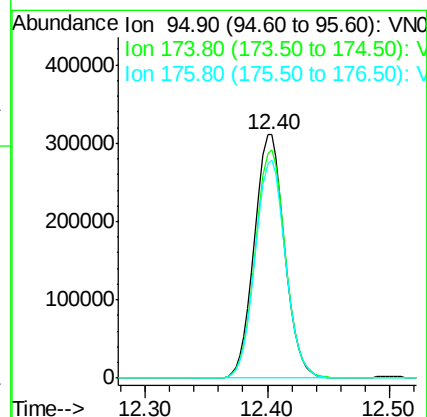
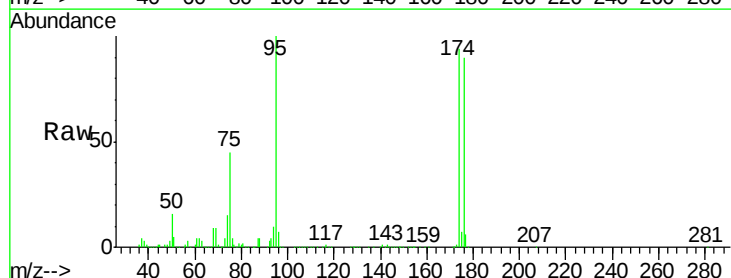
Tgt Ion: 95 Resp: 529189

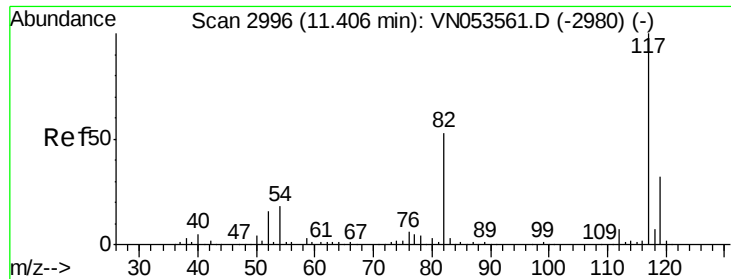
Ion Ratio Lower Upper

95 100

174 94.2 0.0 183.2

176 90.0 0.0 177.4

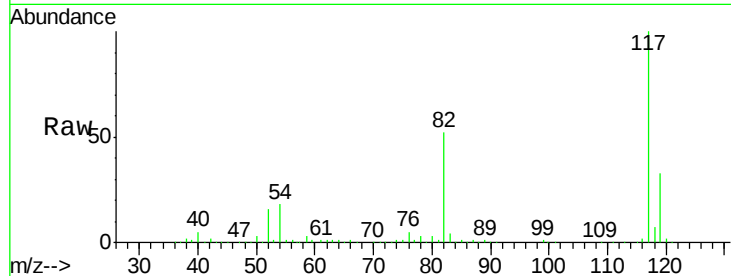




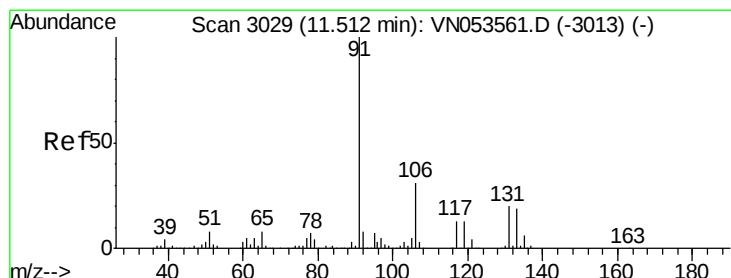
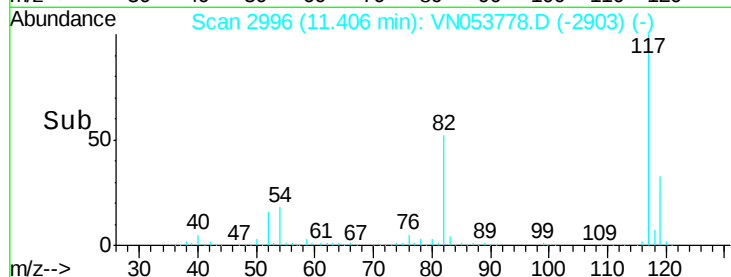
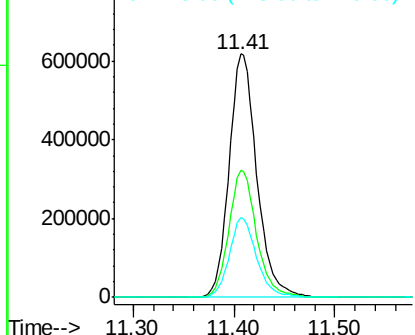
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 1181343  
Ion Ratio Lower Upper  
117 100  
82 52.4 42.9 64.3  
119 32.8 26.0 39.0

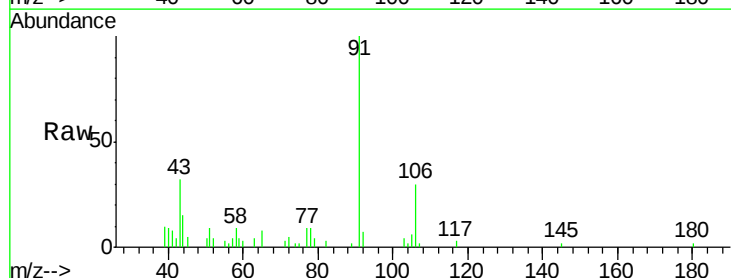


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

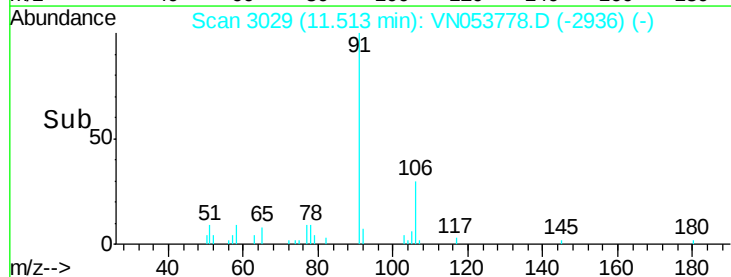
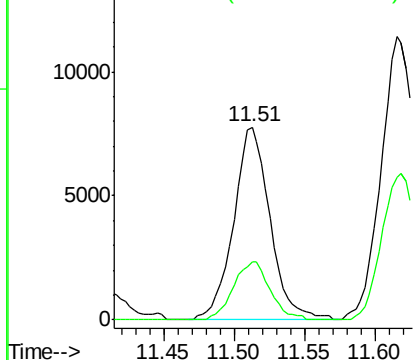


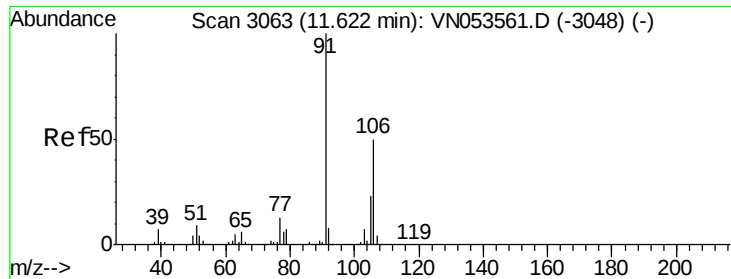
#67  
Ethyl Benzene  
Concen: 0.342 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

Tgt Ion: 91 Resp: 14093  
Ion Ratio Lower Upper  
91 100  
106 30.0 25.0 37.6



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





#68

m/p-Xvlenes

Concen: 0.697 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

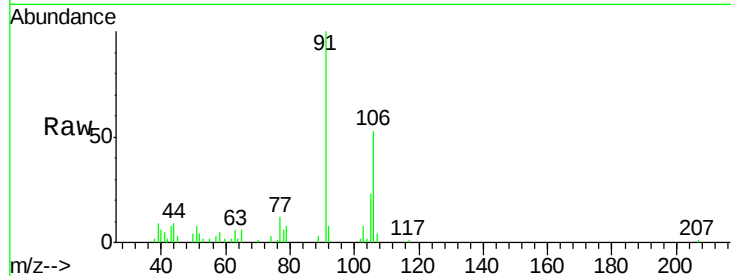
ClientSampled :

Tot Ion:106 Resp: 10973

Ion Ratio Lower Upper

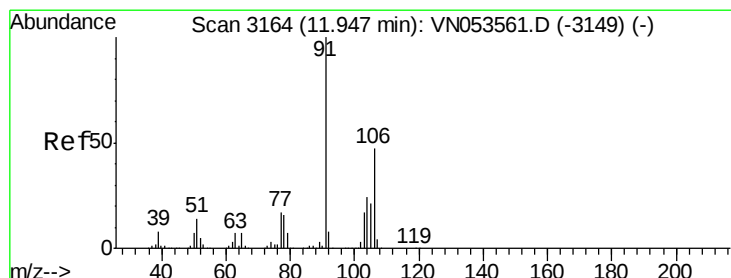
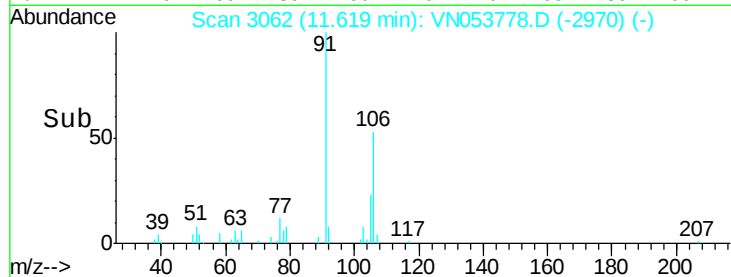
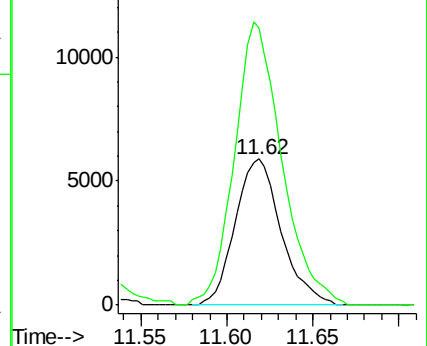
106 100

91 199.4 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.416 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053778.D

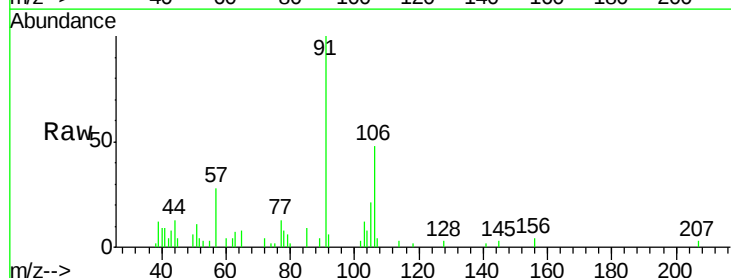
Acq: 14 Feb 2019 14:42

Tgt Ion:106 Resp: 6325

Ion Ratio Lower Upper

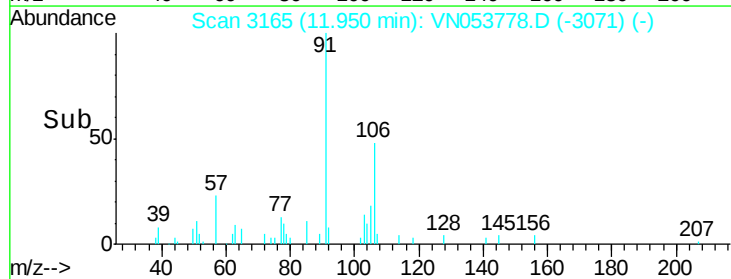
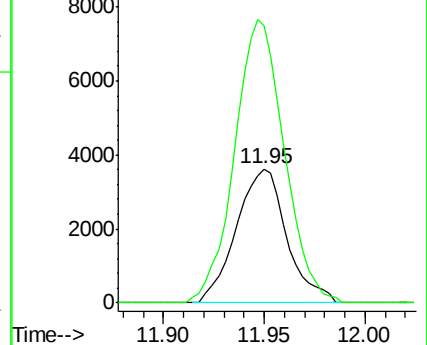
106 100

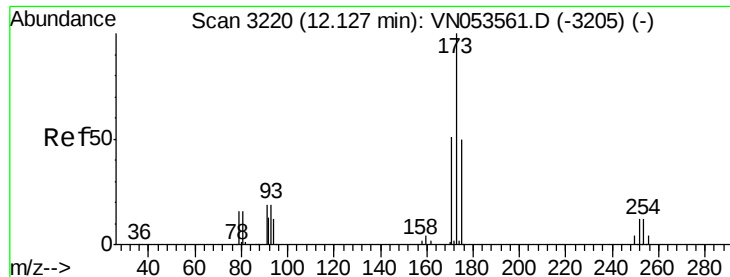
91 208.5 106.9 320.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#71

Bromoform

Concen: 0.622 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

ClientSampled :

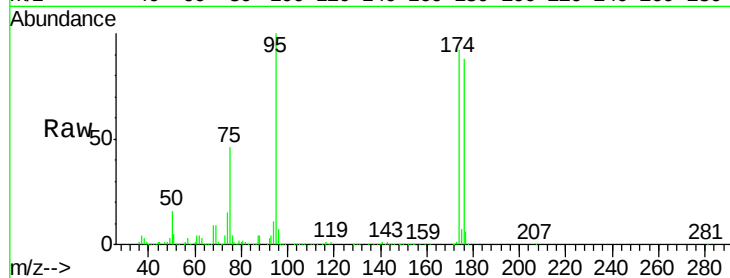
Tot Ion:173 Resp: 3737

Ion Ratio Lower Upper

173 100

175 827.5 24.6 74.0#

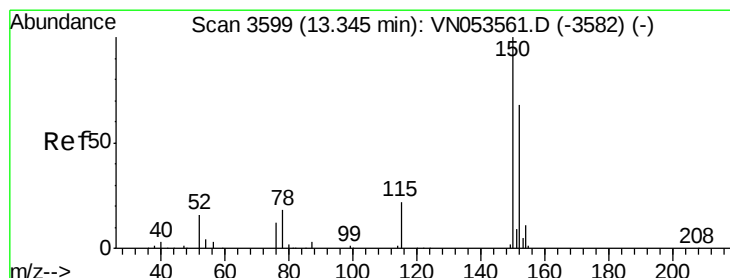
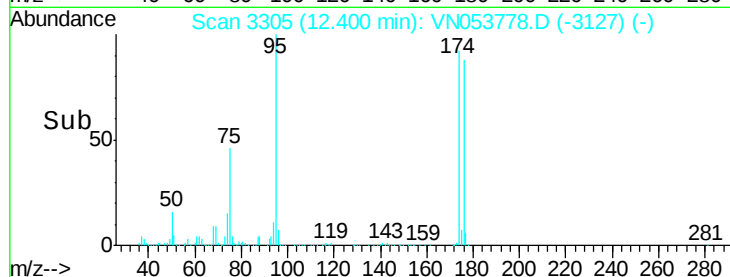
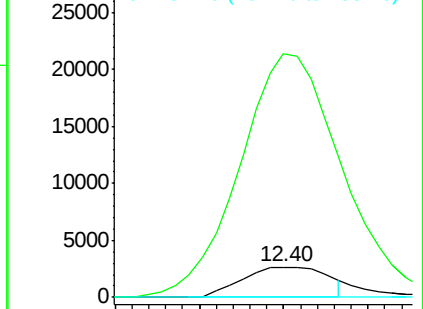
254 0.0 0.2 0.2#



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: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

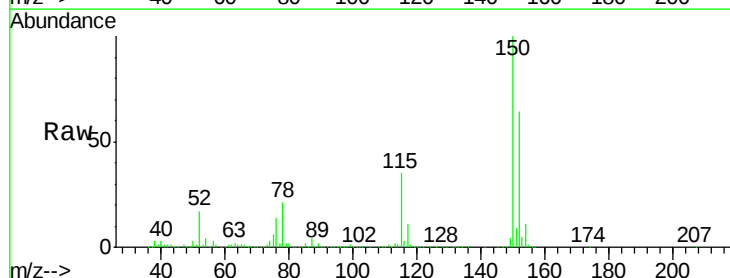
Tgt Ion:152 Resp: 537643

Ion Ratio Lower Upper

152 100

115 53.7 27.8 83.4

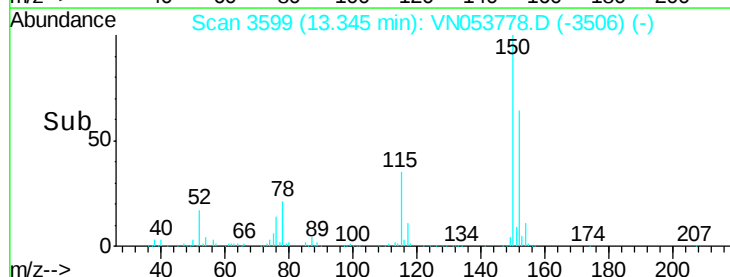
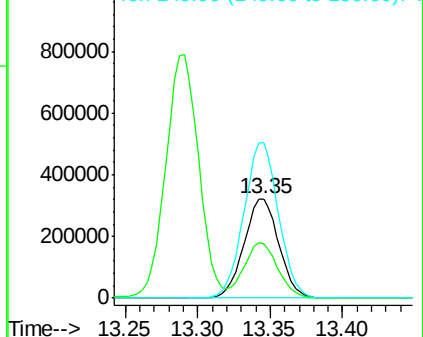
150 155.3 0.0 349.0

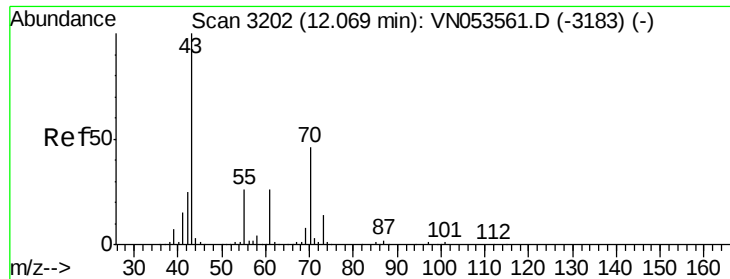


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.872 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

ClientSampleId :

Tot Ion: 43 Resp: 7921

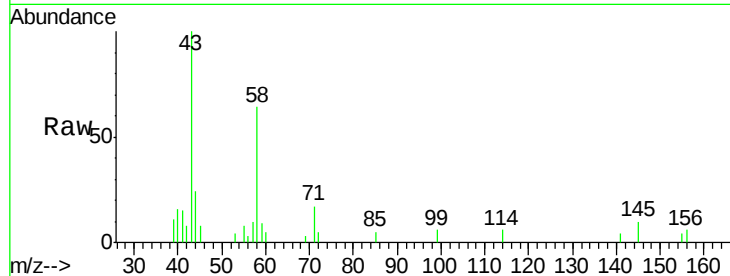
Ion Ratio Lower Upper

43 100

70 0.0 35.4 53.2#

55 11.4 20.9 31.3#

61 0.0 20.5 30.7#

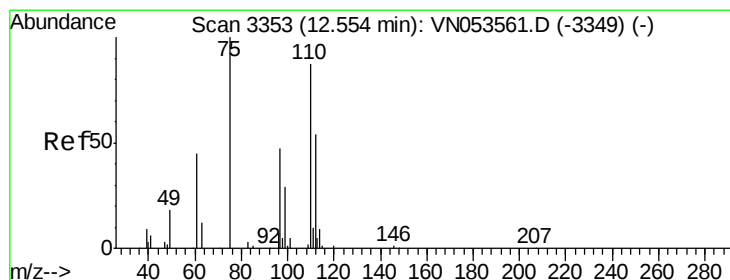
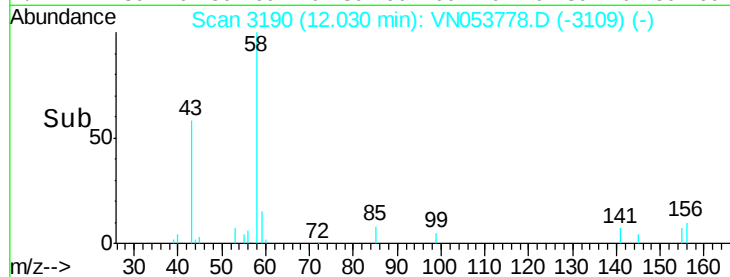
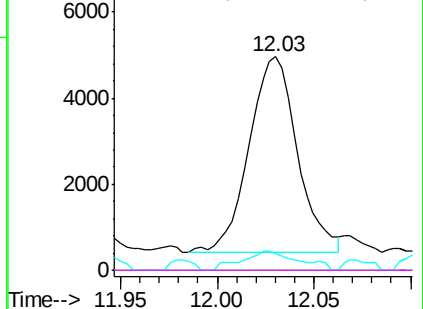


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 35.209 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053778.D

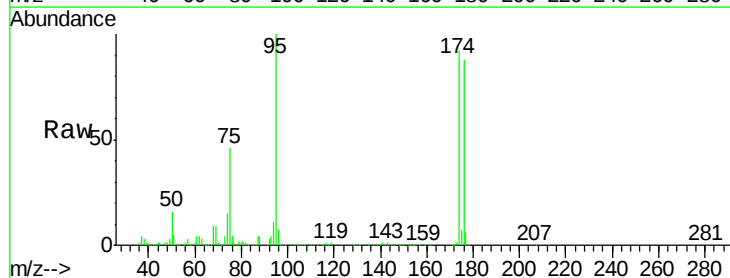
Acq: 14 Feb 2019 14:42

Tgt Ion: 75 Resp: 243145

Ion Ratio Lower Upper

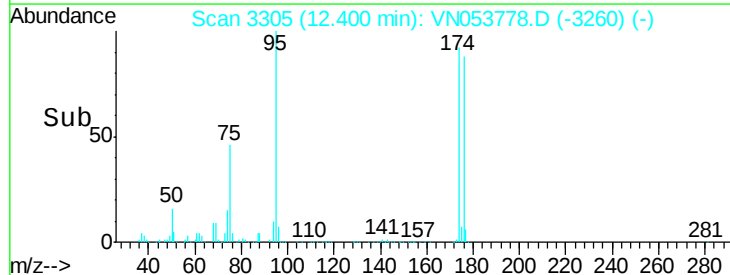
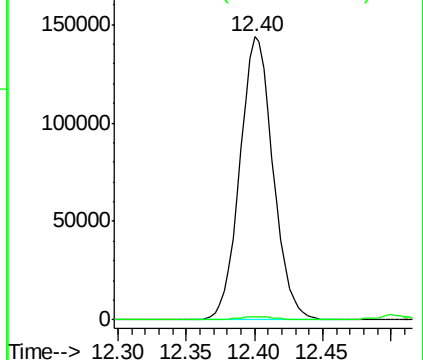
75 100

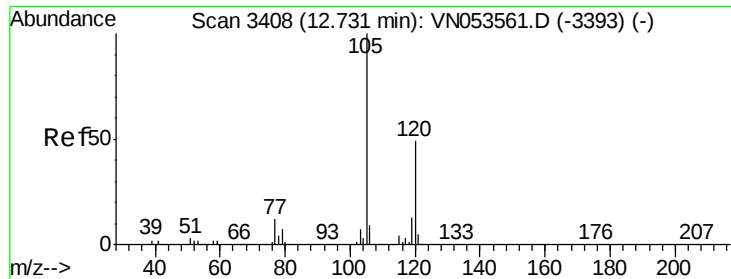
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.303 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.01 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

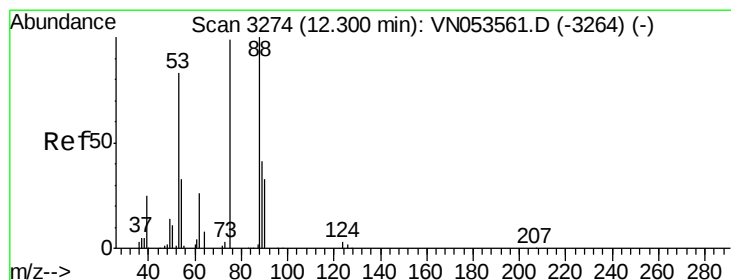
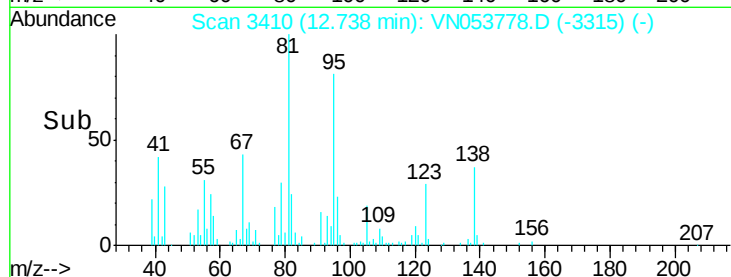
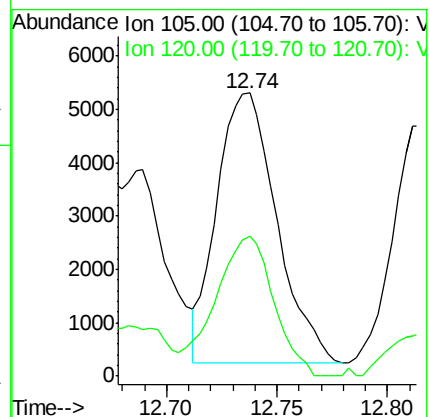
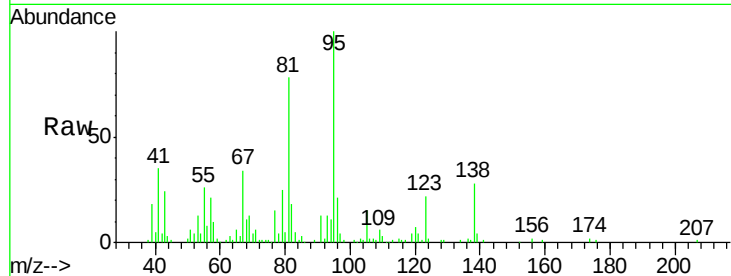
ClientSampled :

Tot Ion:105 Resp: 9504

Ion Ratio Lower Upper

105 100

120 50.8 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 99.006 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

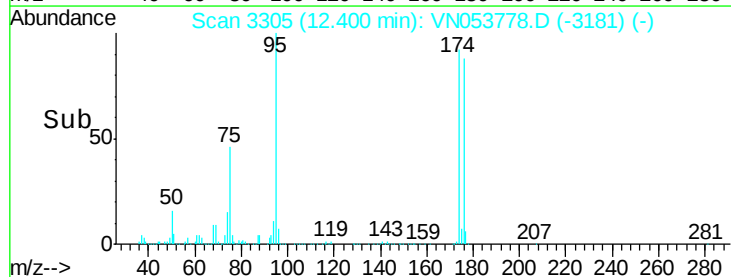
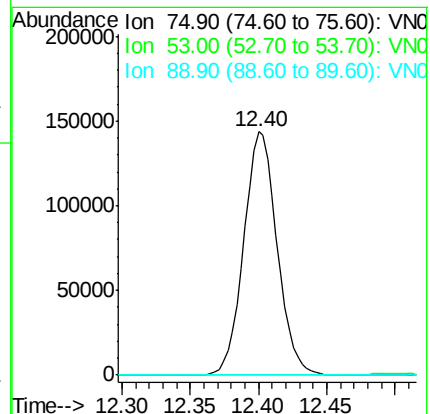
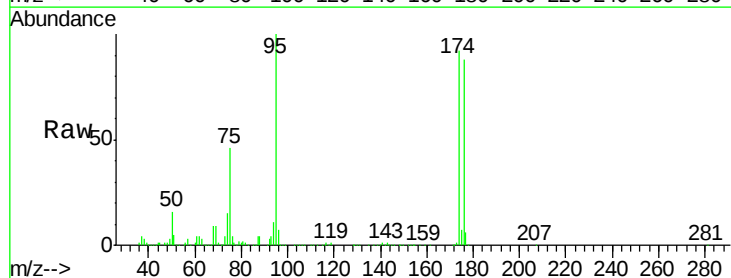
Tgt Ion: 75 Resp: 243145

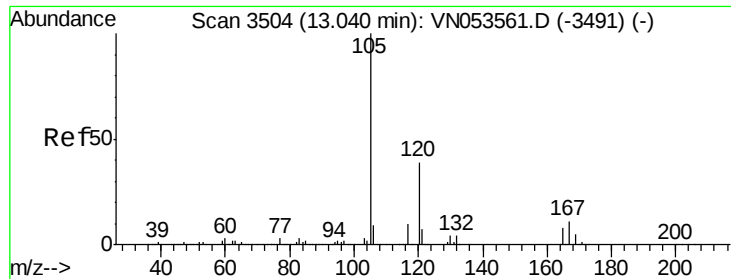
Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.6#

89 0.0 35.6 53.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.009 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053778.D

Acq: 14 Feb 2019 14:42

Instrument :

MSVOA\_N

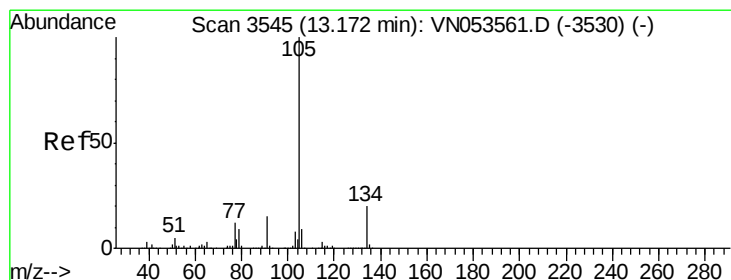
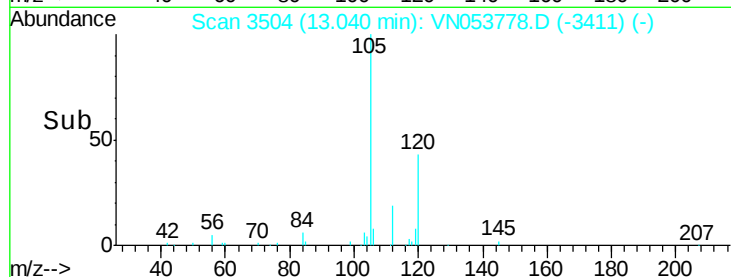
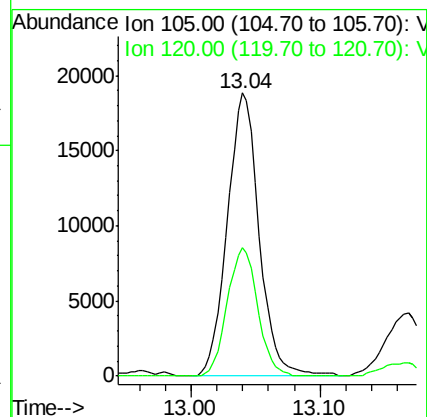
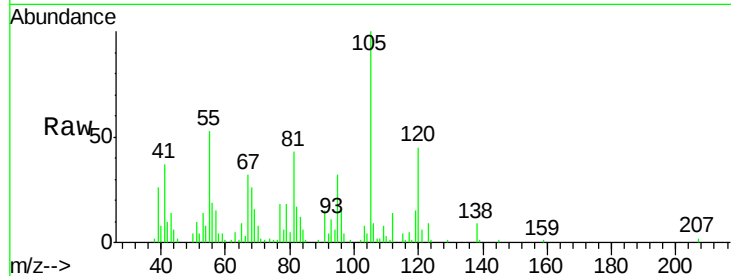
ClientSampled :

Tot Ion:105 Resp: 32205

Ion Ratio Lower Upper

105 100

120 0.0 23.0 69.0#



#85

sec-Butylbenzene

Concen: 15.763 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.12 min

Lab File: VN053778.D

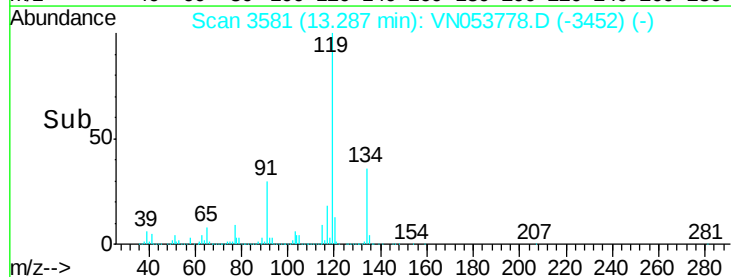
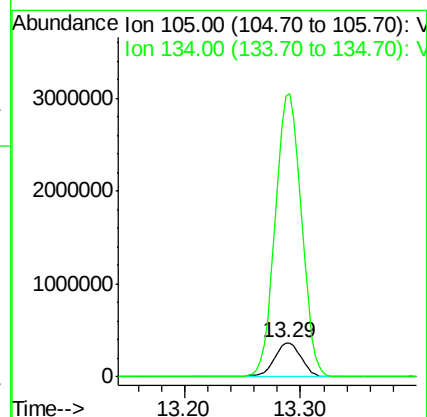
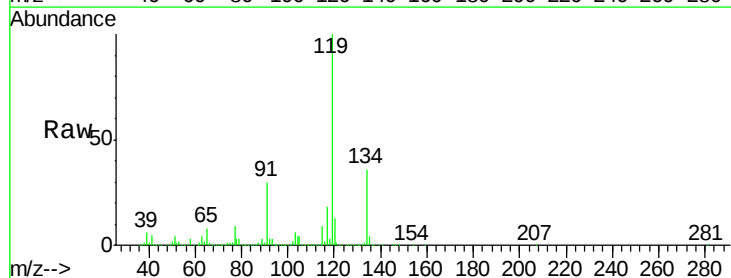
Acq: 14 Feb 2019 14:42

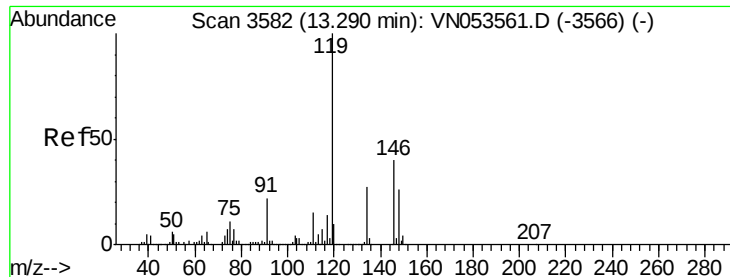
Tgt Ion:105 Resp: 594192

Ion Ratio Lower Upper

105 100

134 797.2 10.2 30.6#

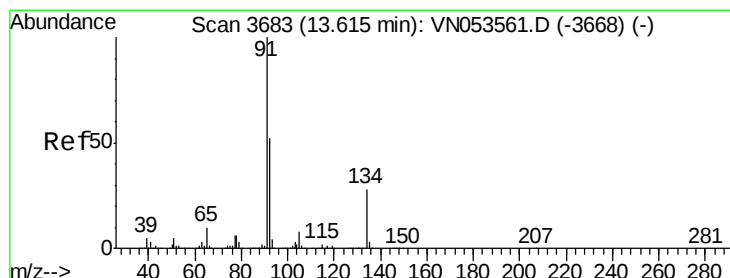
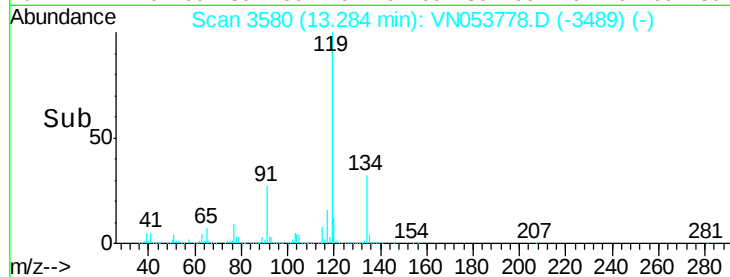
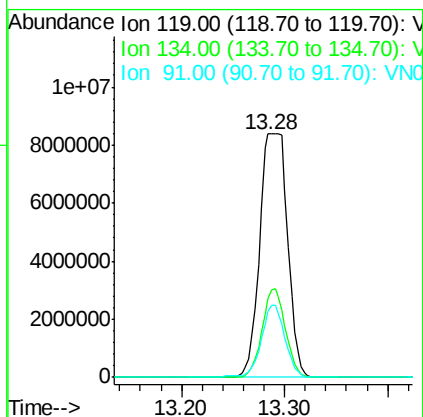
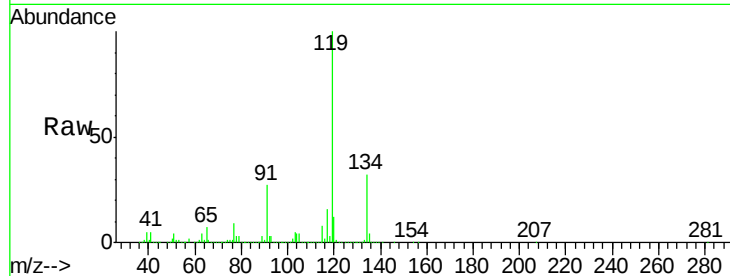




#86  
 p-Isopropyltoluene  
 Concen: 474.954 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.01 min  
 Lab File: VN053778.D  
 Acq: 14 Feb 2019 14:42

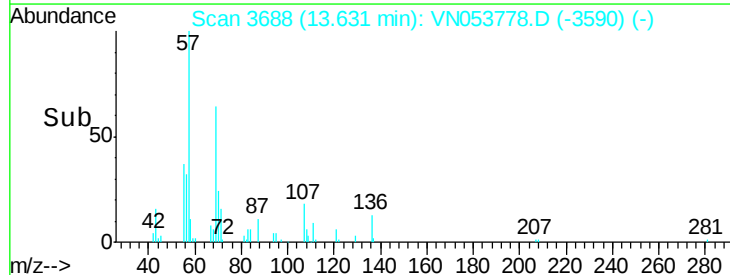
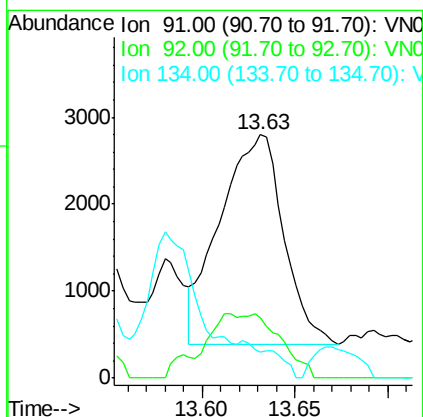
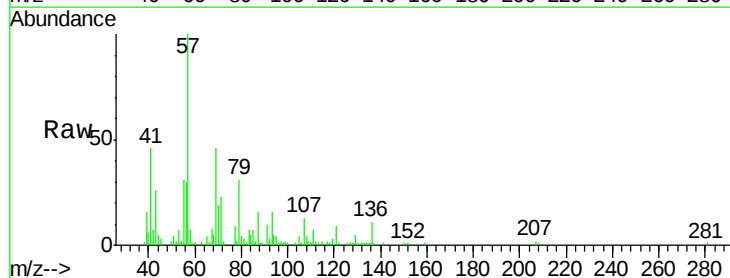
Instrument :  
 MSVOA\_N  
 ClientSampled :

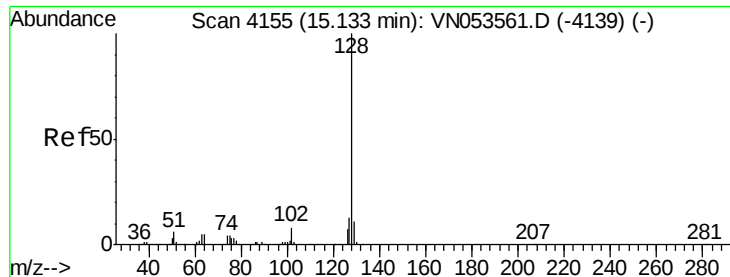
Tot Ion:119 Resp:15658150  
 Ion Ratio Lower Upper  
 119 100  
 134 30.3 13.5 40.4  
 91 25.2 11.0 33.0



#89  
 n-Butylbenzene  
 Concen: 0.200 ug/l  
 RT: 13.63 min Scan# 3688  
 Delta R.T. 0.02 min  
 Lab File: VN053778.D  
 Acq: 14 Feb 2019 14:42

Tgt Ion: 91 Resp: 5717  
 Ion Ratio Lower Upper  
 91 100  
 92 10.2 26.3 78.8#  
 134 0.0 13.5 40.5#

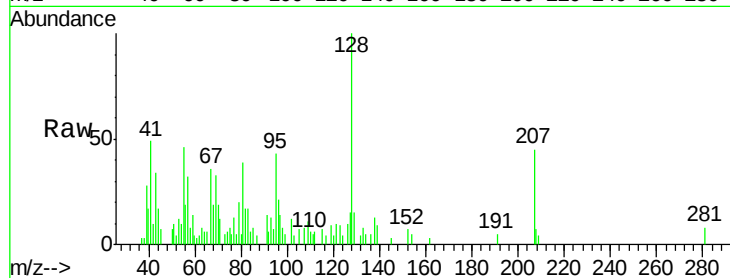




#95  
Naphthalene  
Concen: 2.219 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. -0.00 min  
Lab File: VN053778.D  
Acq: 14 Feb 2019 14:42

Instrument :  
MSVOA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 16.7  | 10.3  | 15.5# |
| 129     | 17.3  | 8.6   | 13.0# |



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

