

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\  
 Data File : VN053988.D  
 Acq On : 28 Feb 2019 00:11  
 Operator : JC/SP  
 Sample : K1632-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Feb 28 07:23:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 28 04:05:45 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 614486   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1147058  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1102593  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 451151   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 403205   | 55.98 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.96% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 361570   | 48.75 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.50%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1438258  | 52.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.18% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 505230   | 54.92 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.84% |      |

## Target Compounds

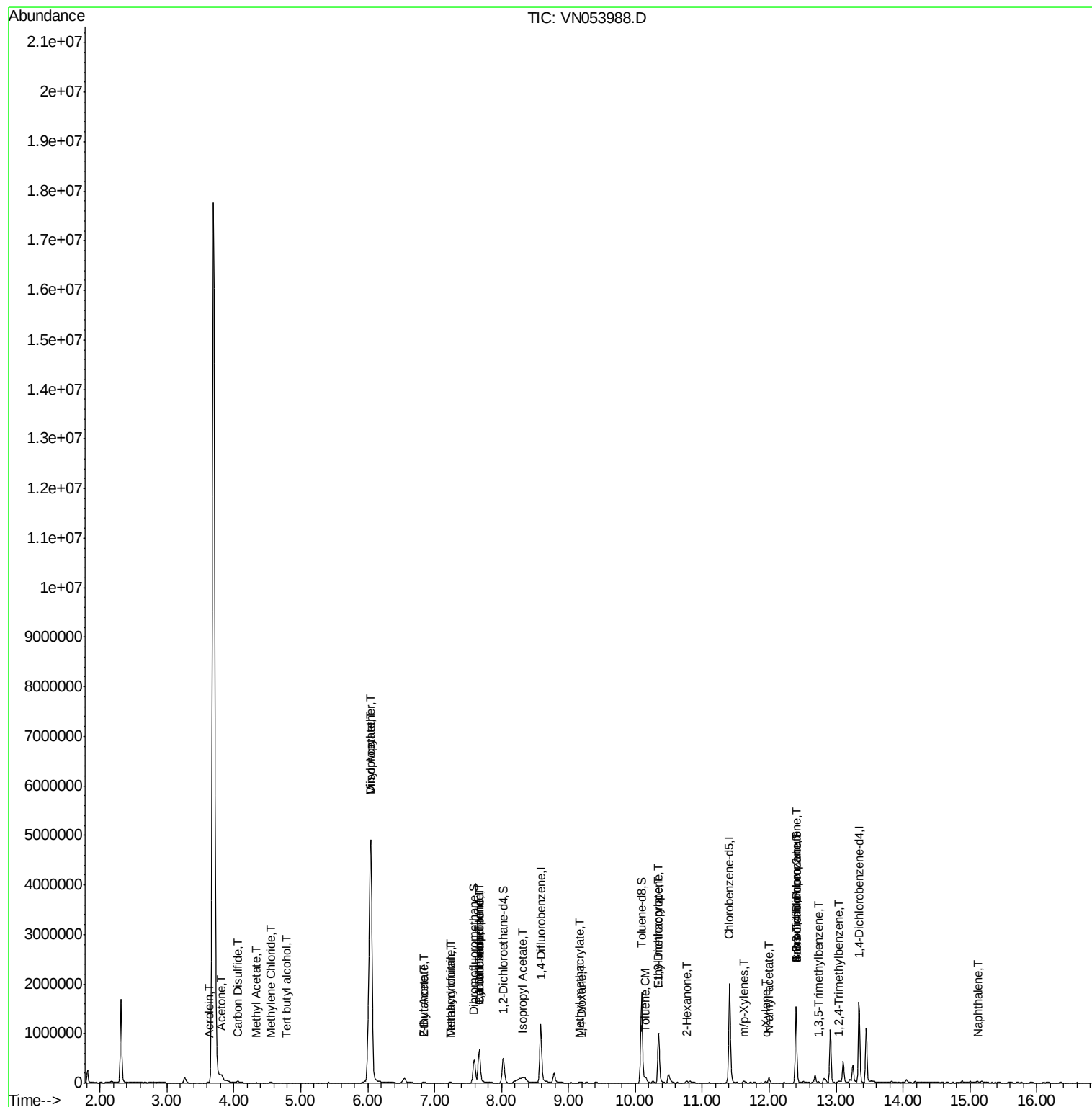
|                                |       |     |        |         |        | Qvalue |
|--------------------------------|-------|-----|--------|---------|--------|--------|
| 11) Tert butyl alcohol         | 4.78  | 59  | 7392   | 16.188  | ug/l # | 82     |
| 13) Acrolein                   | 3.63  | 56  | 14215  | 30.067  | ug/l # | 14     |
| 16) Acetone                    | 3.82  | 43  | 147464 | 68.511  | ug/l # | 8      |
| 17) Carbon Disulfide           | 4.05  | 76  | 4878   | 0.249   | ug/l # | 74     |
| 18) Methyl Acetate             | 4.33  | 43  | 9020   | 1.791   | ug/l   | 91     |
| 20) Methylene Chloride         | 4.55  | 84  | 7368   | 1.034   | ug/l # | 84     |
| 22) Diisopropyl ether          | 6.05  | 45  | 423451 | 20.631  | ug/l # | 1      |
| 23) Vinyl Acetate              | 6.04  | 43  | 956910 | 64.808  | ug/l # | 70     |
| 25) 2-Butanone                 | 6.84  | 43  | 34159  | 12.078  | ug/l   | 91     |
| 29) Tetrahydrofuran            | 7.23  | 42  | 13662  | 7.254   | ug/l # | 31     |
| 31) Cyclohexane                | 7.67  | 56  | 11868  | 0.626   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 42578  | 3.991   | ug/l # | 48     |
| 37) Ethyl Acetate              | 6.84  | 43  | 34159  | 4.485   | ug/l # | 67     |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 57823  | 5.212   | ug/l # | 16     |
| 41) Methacrylonitrile          | 7.24  | 41  | 5390   | 1.099   | ug/l # | 100    |
| 43) Isopropyl Acetate          | 8.30  | 43  | 178739 | 13.898  | ug/l # | 59     |
| 48) Methyl methacrylate        | 9.17  | 41  | 2350   | 0.397   | ug/l # | 28     |
| 49) 1,4-Dioxane                | 9.21  | 88  | 1100   | 13.729  | ug/l # | 1      |
| 52) Toluene                    | 10.16 | 92  | 28011  | 1.452   | ug/l   | 97     |
| 53) t-1,3-Dichloropropene      | 10.35 | 75  | 2171   | 0.206   | ug/l # | 73     |
| 56) Ethyl methacrylate         | 10.36 | 69  | 1526   | 2.110   | ug/l # | 1      |
| 59) 2-Hexanone                 | 10.77 | 43  | 6122   | 1.424   | ug/l   | 68     |
| 68) m/p-Xylenes                | 11.62 | 106 | 10844  | 0.737   | ug/l   | 93     |
| 69) o-Xylene                   | 11.95 | 106 | 5423   | 0.375   | ug/l   | 86     |
| 71) Bromoform                  | 12.41 | 173 | 3756   | 0.644   | ug/l # | 1      |
| 74) N-amyl acetate             | 11.99 | 43  | 21568  | 2.343   | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 243412 | 33.633  | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 8375   | 0.291   | ug/l   | 84     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 243412 | 106.302 | ug/l # | 16     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 19964  | 0.696   | ug/l   | 99     |
| 95) Naphthalene                | 15.13 | 128 | 10437  | 3.759   | ug/l # | 82     |

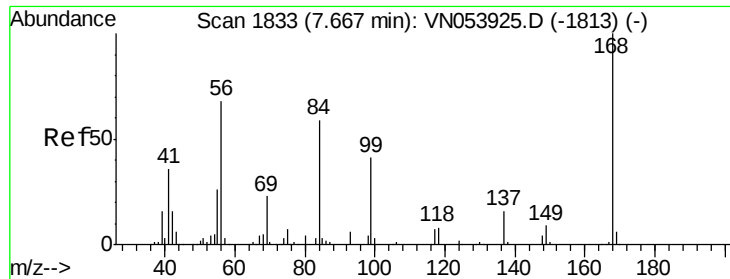
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022719\  
Data File : VN053988.D  
Acq On : 28 Feb 2019 00:11  
Operator : JC/SP  
Sample : K1632-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Feb 28 07:23:38 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 28 04:05:45 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

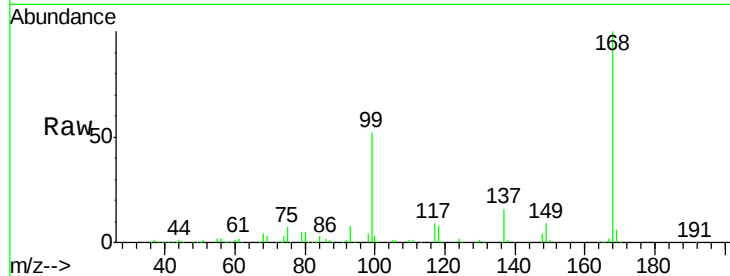
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:168 Resp: 614486

Ion Ratio Lower Upper

168 100

99 51.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

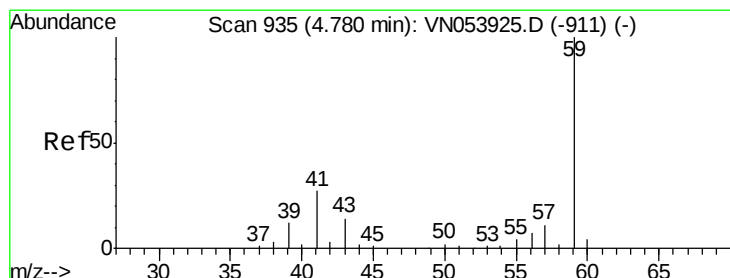
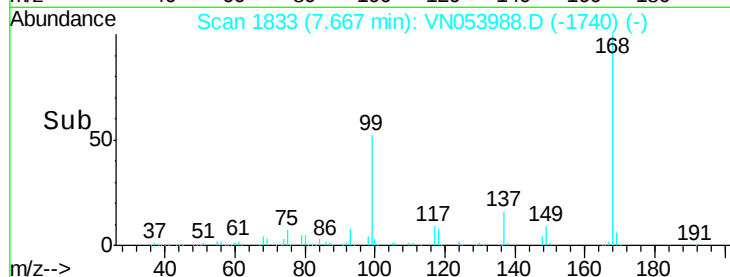
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 16.188 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN053988.D

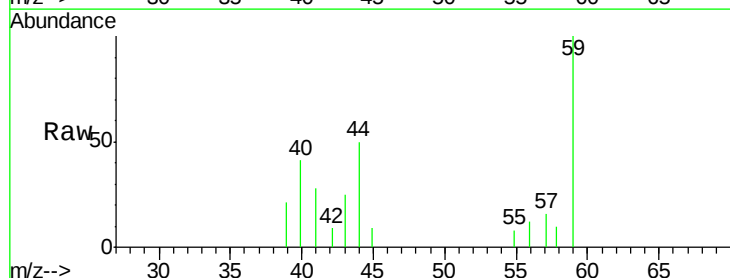
Acq: 28 Feb 2019 00:11

Tgt Ion: 59 Resp: 7392

Ion Ratio Lower Upper

59 100

57 3.4 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

2000

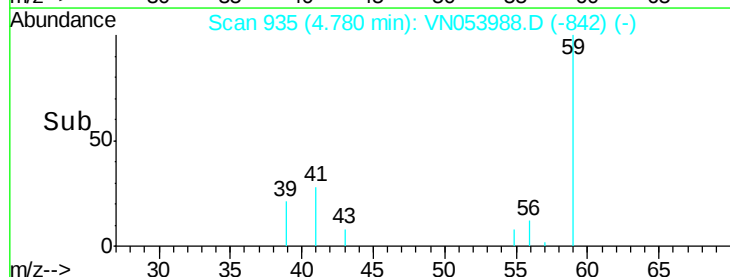
1500

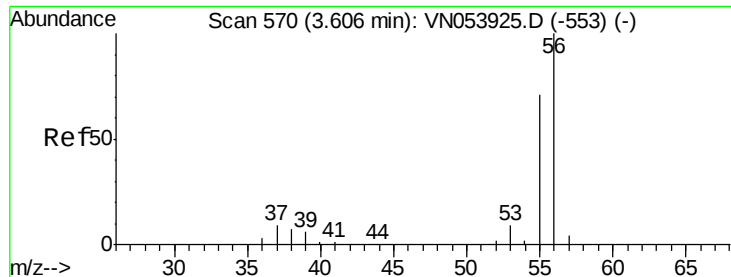
1000

500

0

Time-->





#13

Acrolein

Concen: 30.067 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.02 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

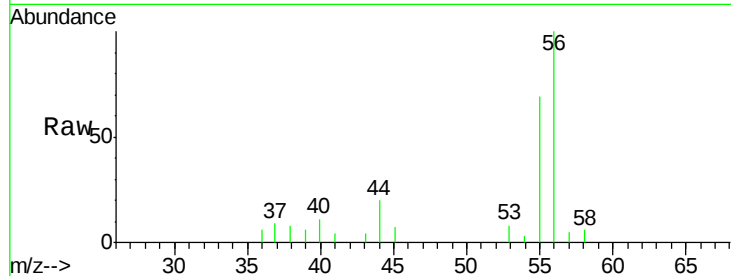
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 14215

Ion Ratio Lower Upper

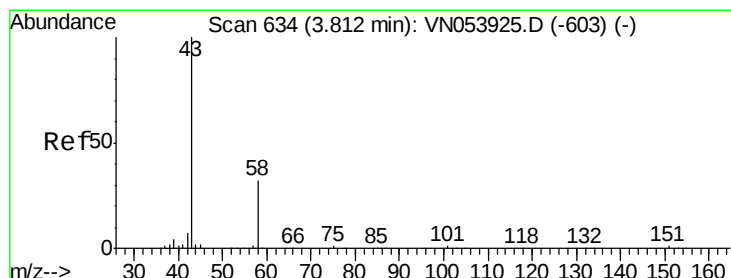
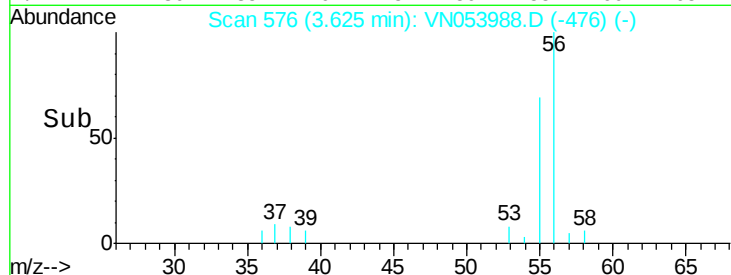
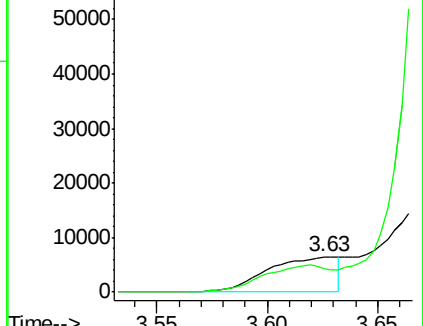
56 100

55 0.0 56.3 84.5#



Abundance Ion 56.00 (55.70 to 56.70): VN053925.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN053925.D (-553) (-)



#16

Acetone

Concen: 68.511 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053988.D

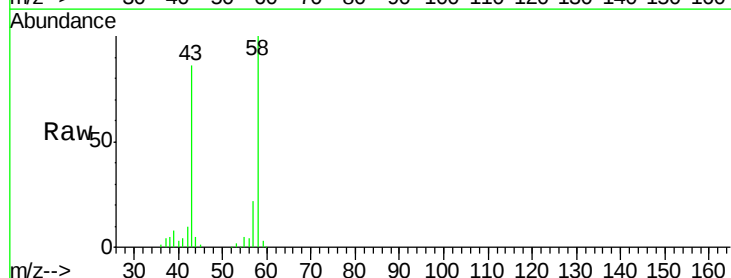
Acq: 28 Feb 2019 00:11

Tgt Ion: 43 Resp: 147464

Ion Ratio Lower Upper

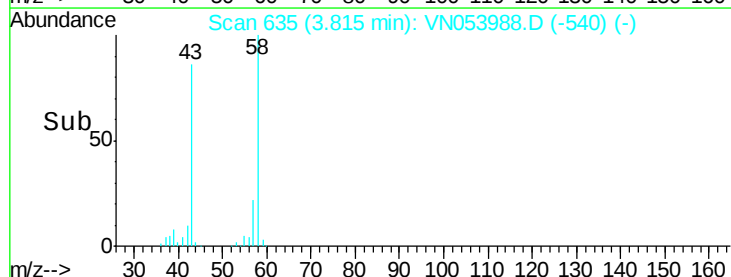
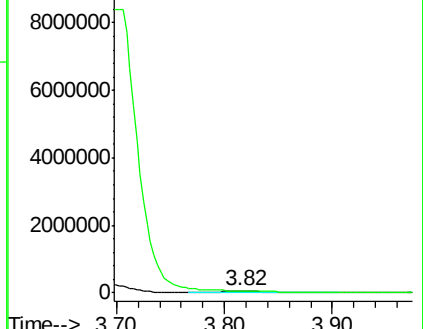
43 100

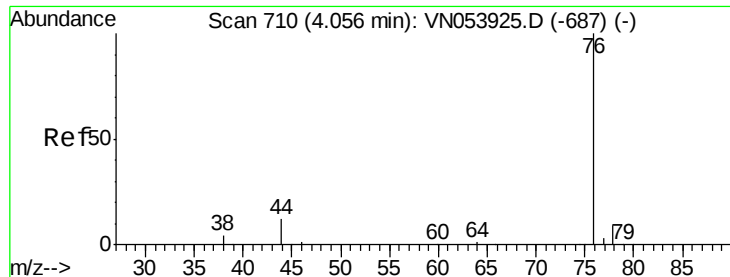
58 87.5 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)





#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA\_N

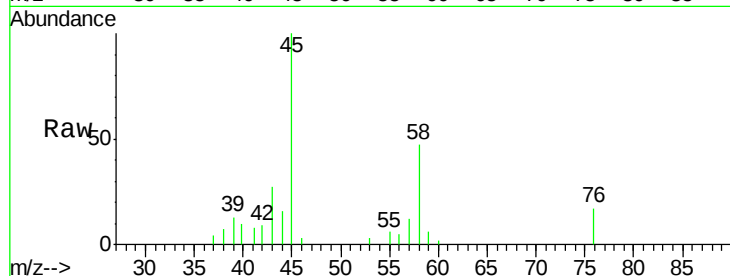
ClientSampled :

Tot Ion: 76 Resp: 4878

Ion Ratio Lower Upper

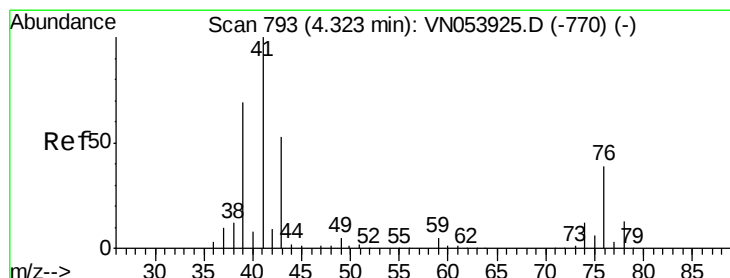
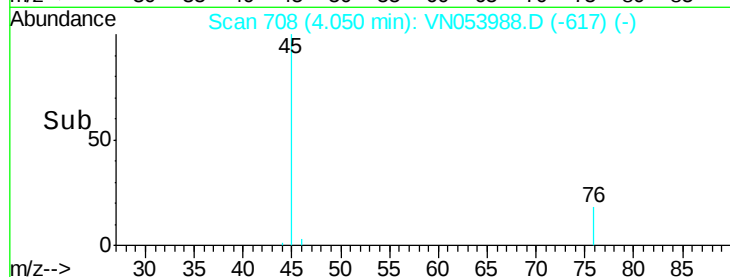
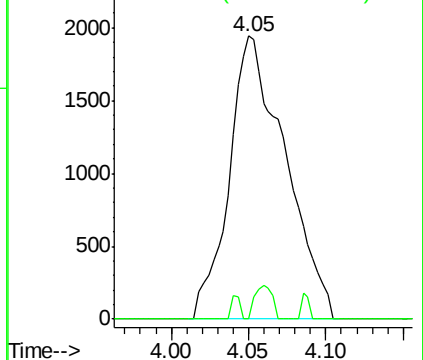
76 100

78 0.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 1.791 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053988.D

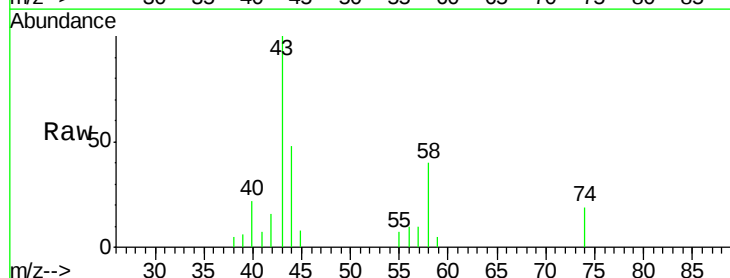
Acq: 28 Feb 2019 00:11

Tgt Ion: 43 Resp: 9020

Ion Ratio Lower Upper

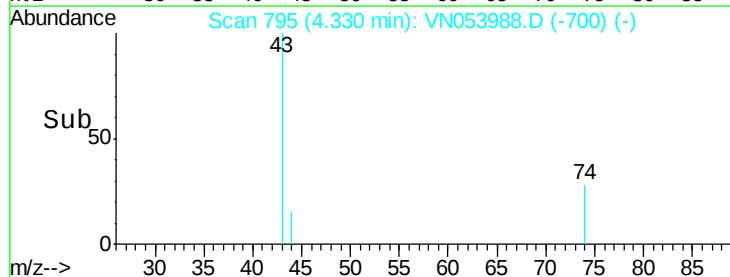
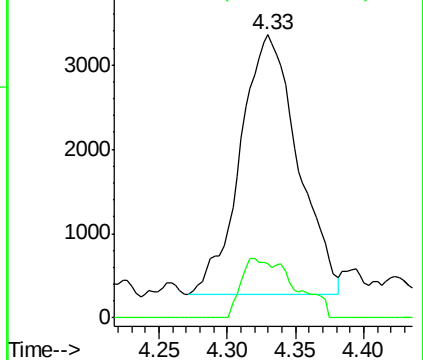
43 100

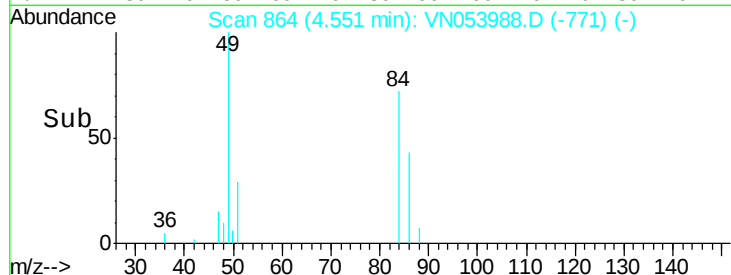
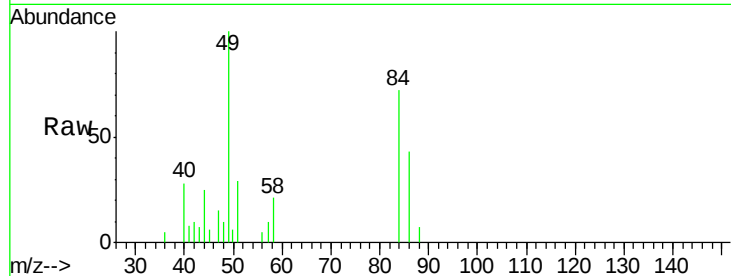
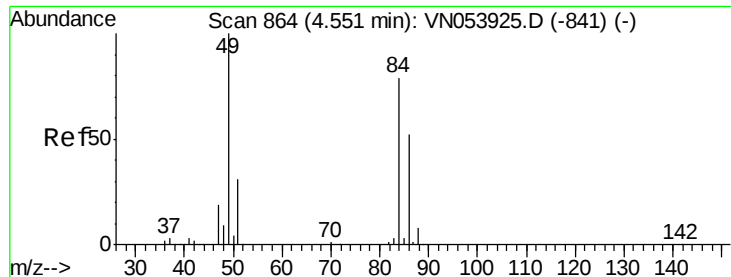
74 21.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

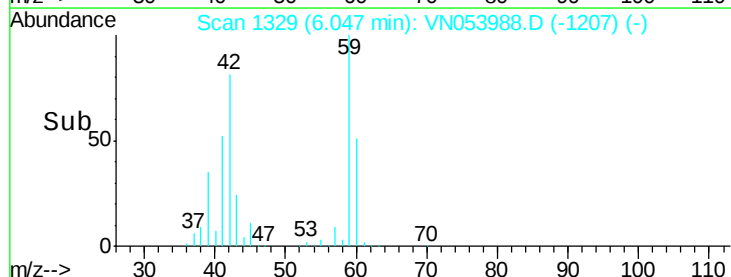
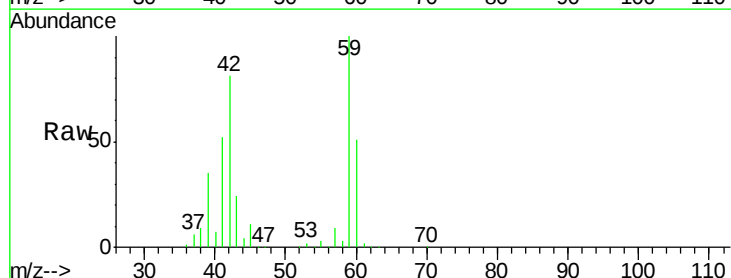
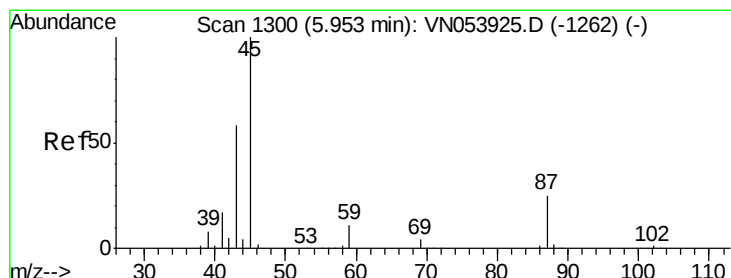
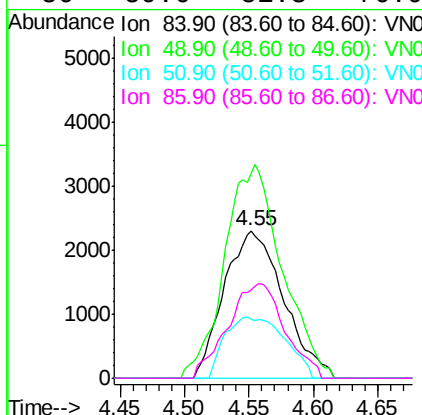




#20  
Methvlene Chloride  
Concen: 1.034 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

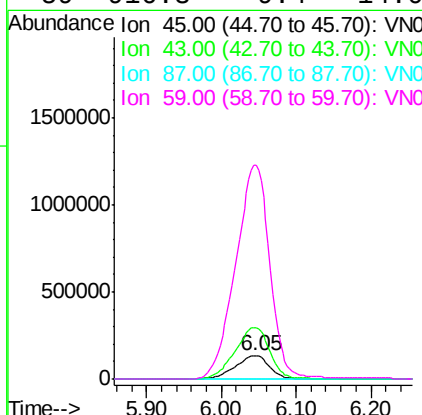
Instrument :  
MSVOA\_N  
ClientSampleId :

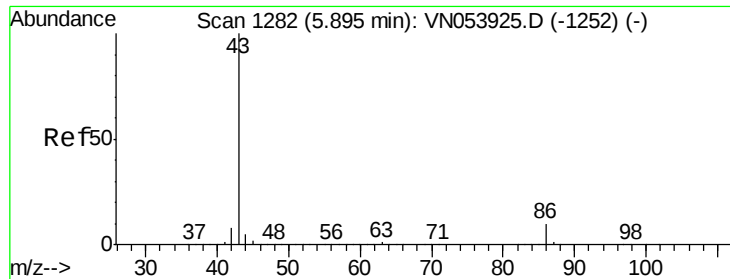
Tot Ion: 84 Resp: 7368  
Ion Ratio Lower Upper  
84 100  
49 138.7 89.7 134.5#  
51 39.9 27.8 41.8  
86 59.6 51.3 76.9



#22  
Diisopropyl ether  
Concen: 20.631 ug/l  
RT: 6.05 min Scan# 1329  
Delta R.T. 0.09 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Tgt Ion: 45 Resp: 423451  
Ion Ratio Lower Upper  
45 100  
43 221.3 46.2 69.4#  
87 0.0 23.4 35.0#  
59 916.3 9.4 14.0#

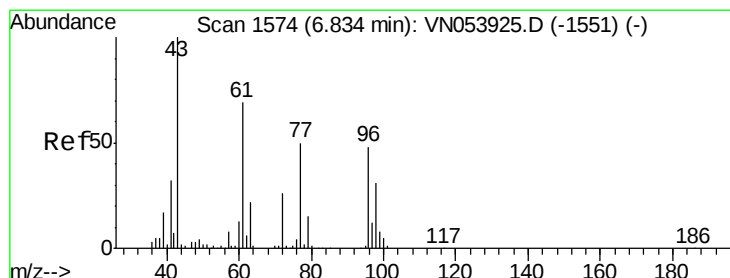
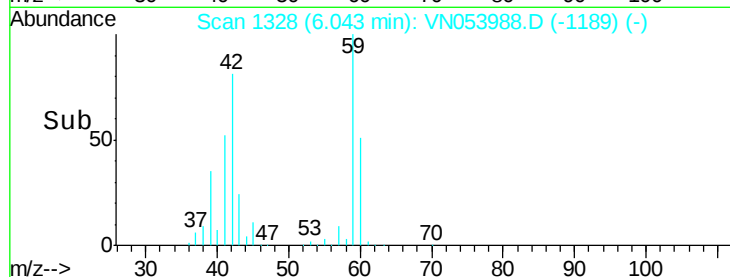
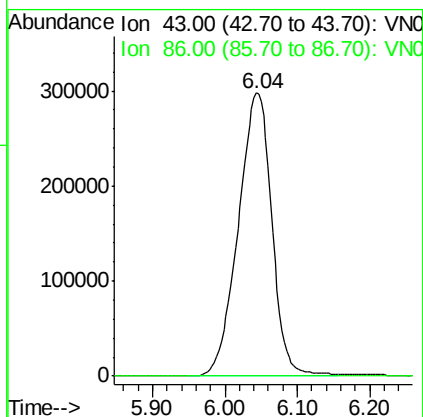
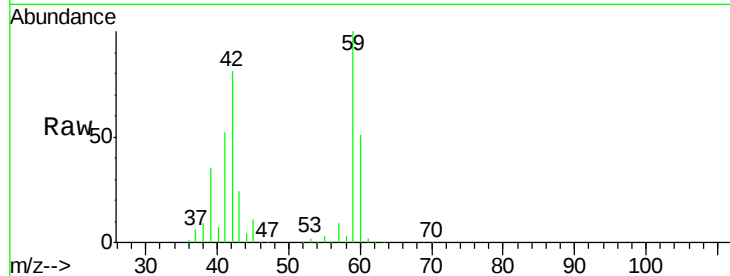




#23  
 Vinyl Acetate  
 Concen: 64.808 ug/l  
 RT: 6.04 min Scan# 1328  
 Delta R.T. 0.15 min  
 Lab File: VN053988.D  
 Acq: 28 Feb 2019 00:11

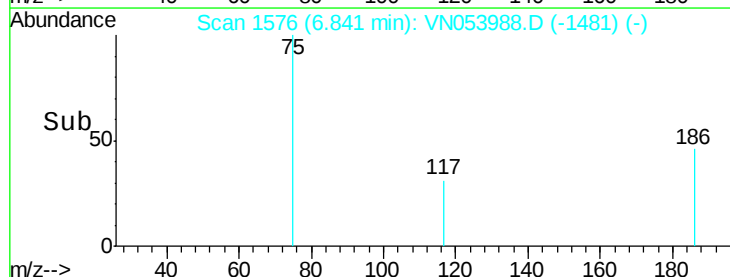
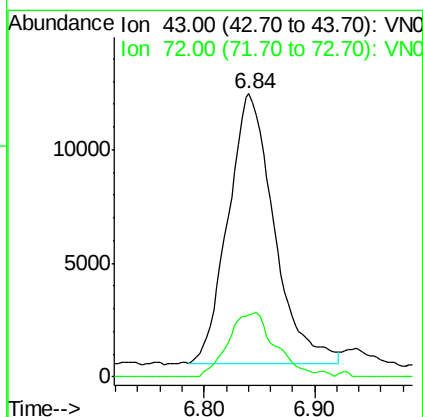
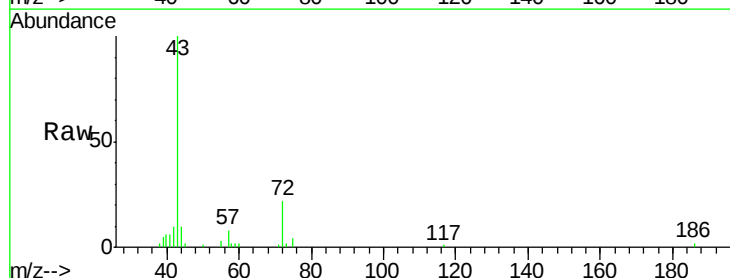
Instrument :  
 MSVOA\_N  
 ClientSampled :

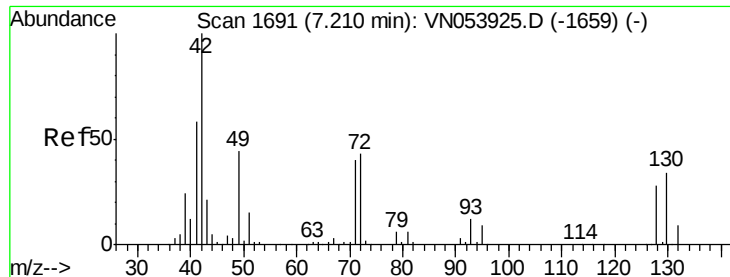
Tot Ion: 43 Resp: 956910  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 9.1 13.7#



#25  
 2-Butanone  
 Concen: 12.078 ug/l  
 RT: 6.84 min Scan# 1576  
 Delta R.T. 0.01 min  
 Lab File: VN053988.D  
 Acq: 28 Feb 2019 00:11

Tgt Ion: 43 Resp: 34159  
 Ion Ratio Lower Upper  
 43 100  
 72 22.8 22.1 33.1

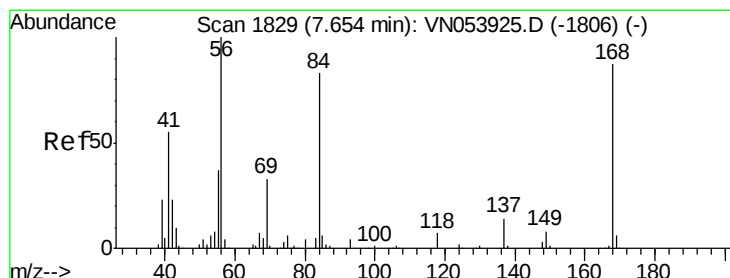
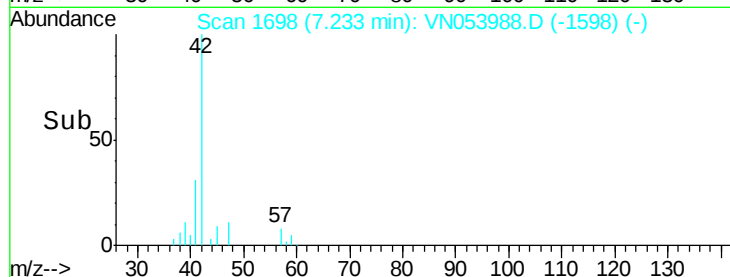
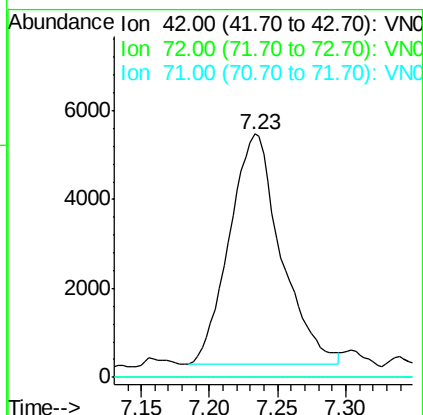
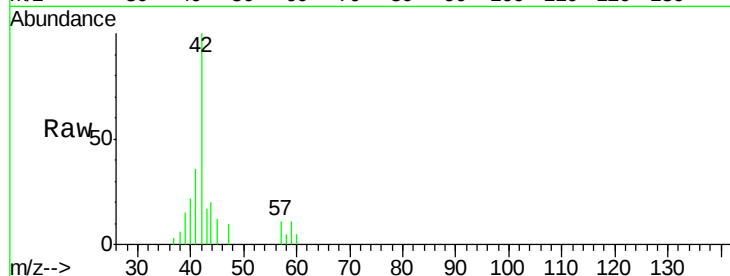




#29  
Tetrahydrofuran  
Concen: 7.254 ug/l  
RT: 7.23 min Scan# 1698  
Delta R.T. 0.02 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

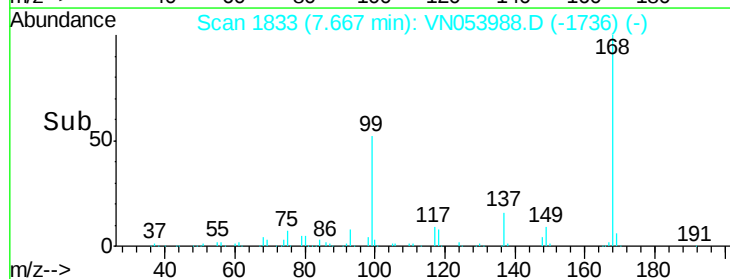
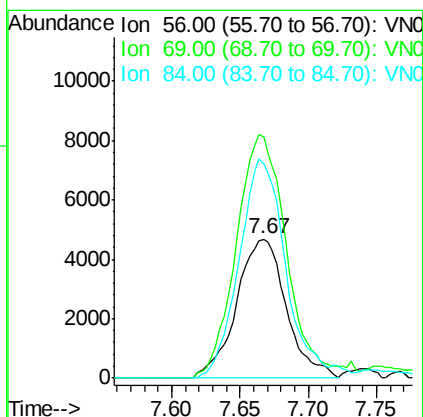
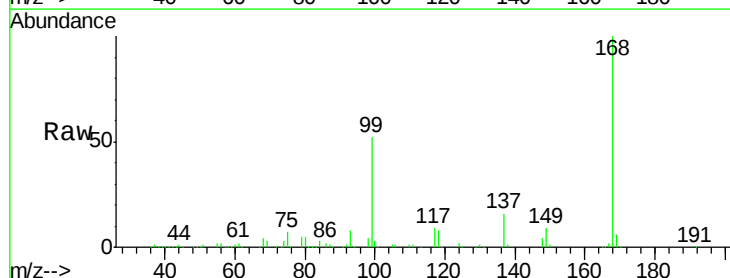
Instrument :  
MSVOA\_N  
ClientSampleId :

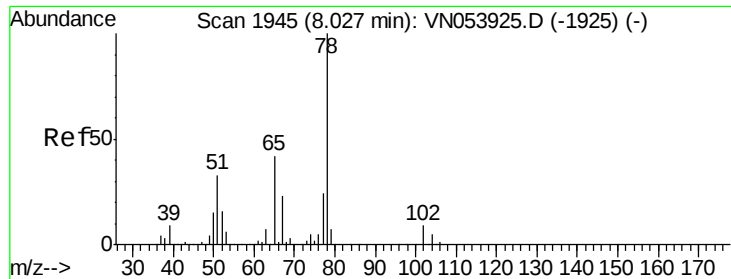
Tot Ion: 42 Resp: 13662  
Ion Ratio Lower Upper  
42 100  
72 0.0 36.9 55.3#  
71 0.0 34.6 52.0#



#31  
Cyclohexane  
Concen: 0.626 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.01 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Tgt Ion: 56 Resp: 11868  
Ion Ratio Lower Upper  
56 100  
69 173.1 26.0 39.0#  
84 154.5 69.1 103.7#





#33

1,2-Dichloroethane-d4

Concen: 55.976 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA\_N

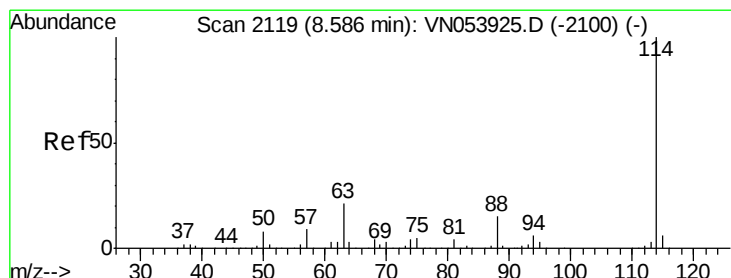
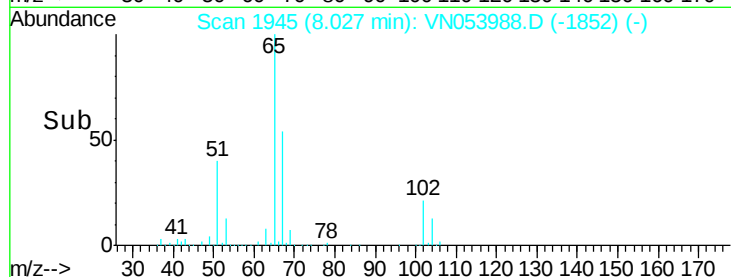
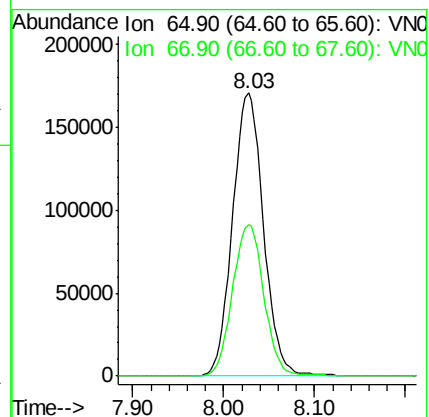
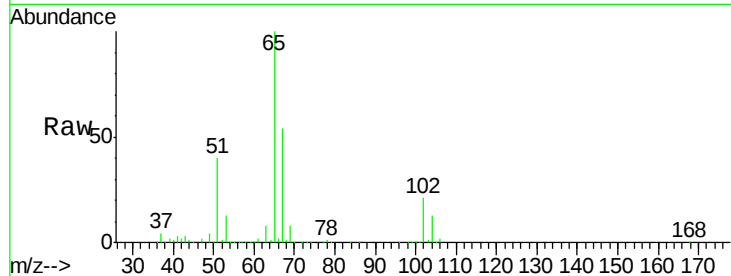
ClientSampleId :

Tot Ion: 65 Resp: 403205

Ion Ratio Lower Upper

65 100

67 54.5 0.0 111.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

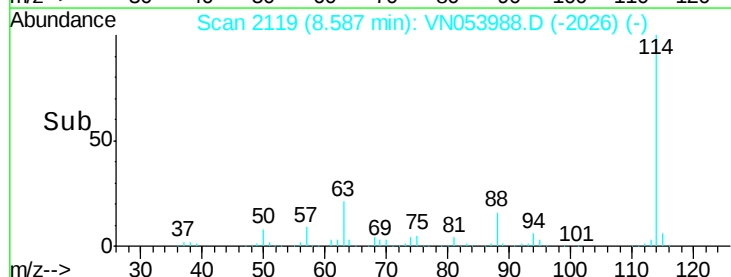
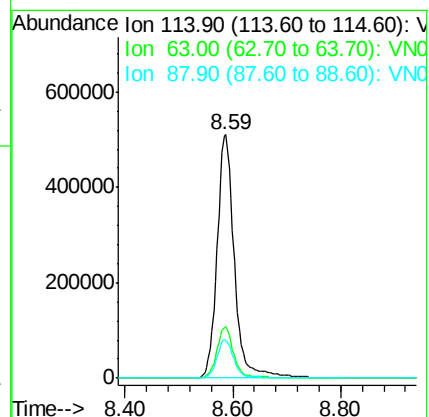
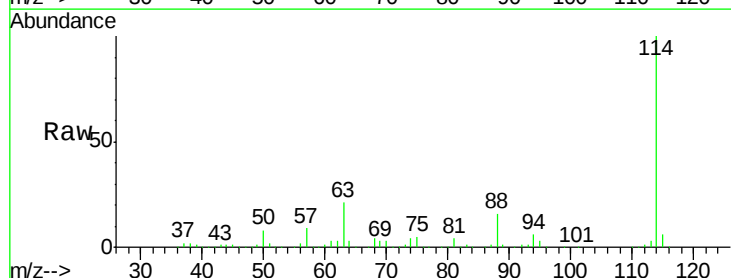
Tgt Ion: 114 Resp: 1147058

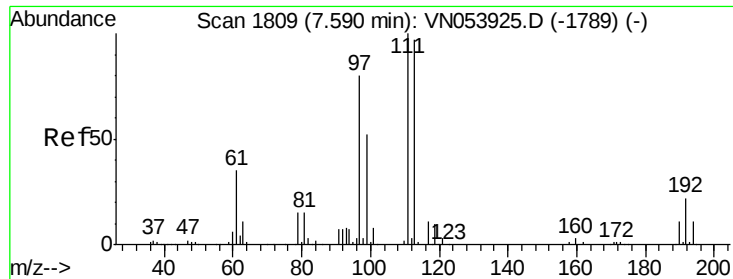
Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

88 15.5 0.0 30.4

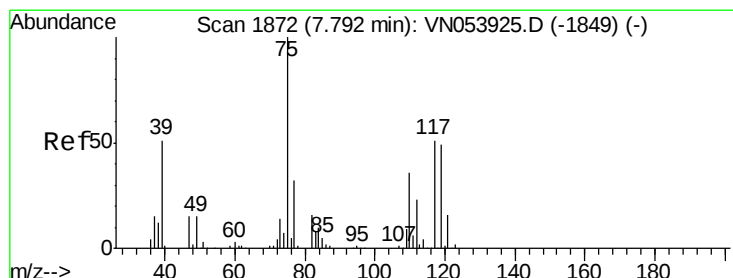
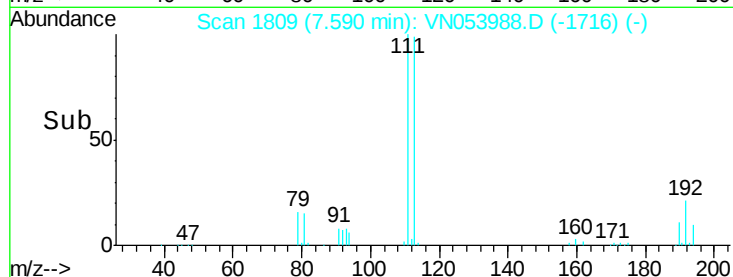
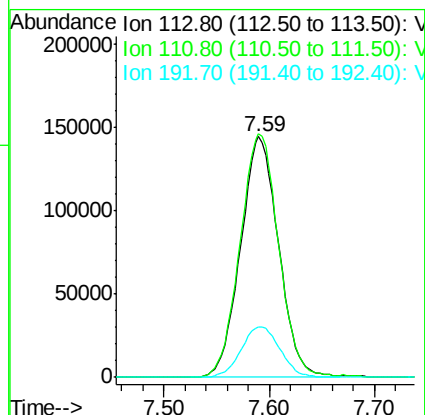
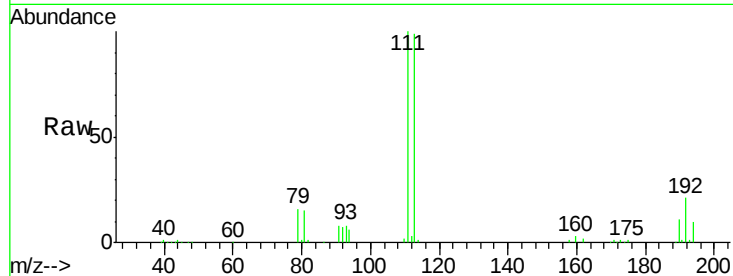




#35  
 Dibromofluoromethane  
 Concen: 48.745 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN053988.D  
 Acq: 28 Feb 2019 00:11

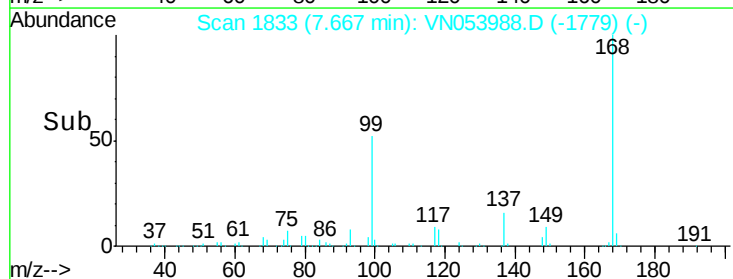
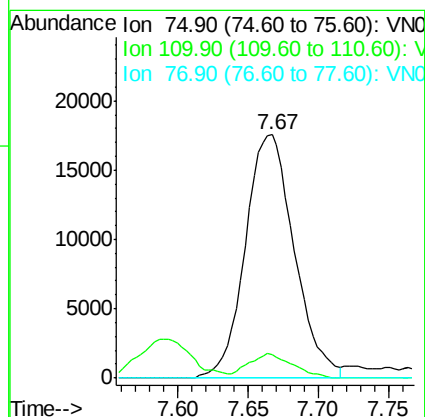
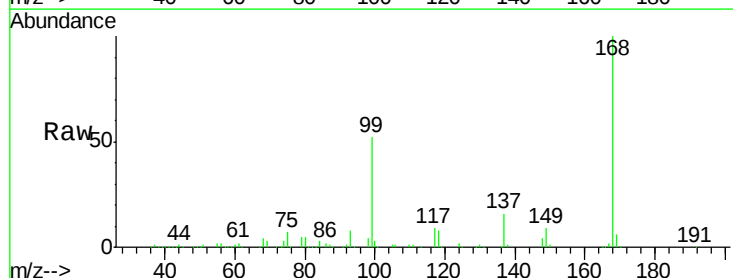
Instrument :  
 MSVOA\_N  
 ClientSampleId :

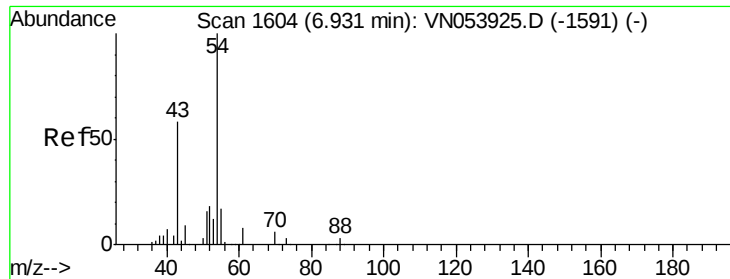
Tot Ion:113 Resp: 361570  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 81.1 121.7  
 192 21.6 18.8 28.2



#36  
 1,1-Dichloropropene  
 Concen: 3.991 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN053988.D  
 Acq: 28 Feb 2019 00:11

Tgt Ion: 75 Resp: 42578  
 Ion Ratio Lower Upper  
 75 100  
 110 9.2 19.0 57.0#  
 77 0.0 25.4 38.0#

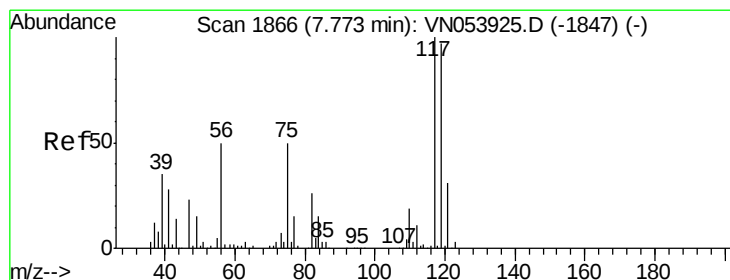
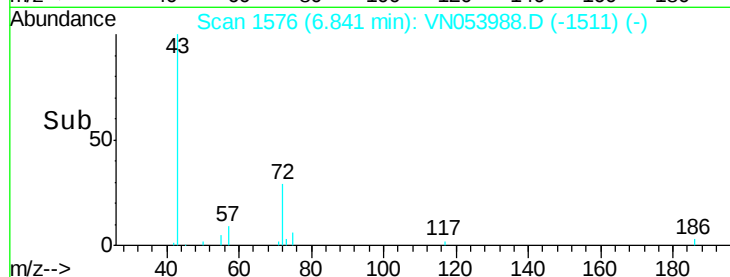
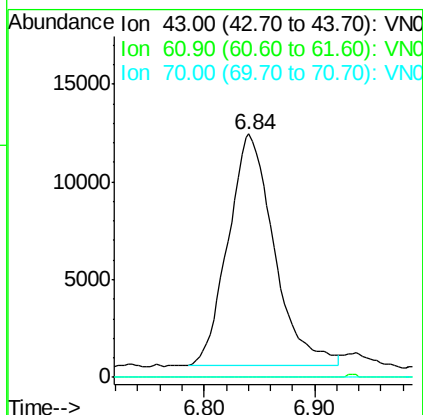
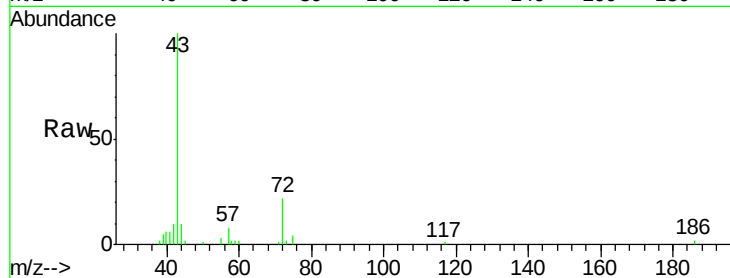




#37  
Ethyl Acetate  
Concen: 4.485 ug/l  
RT: 6.84 min Scan# 1576  
Delta R.T. -0.09 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

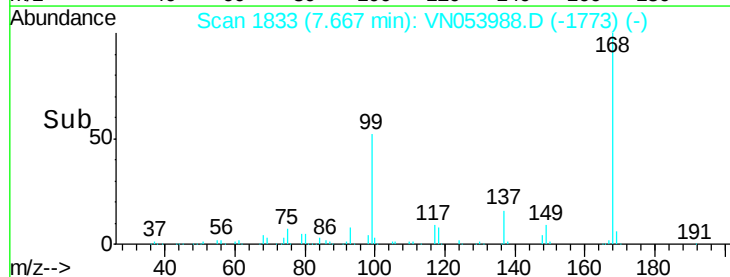
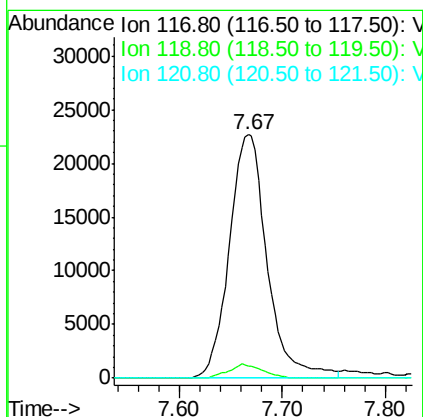
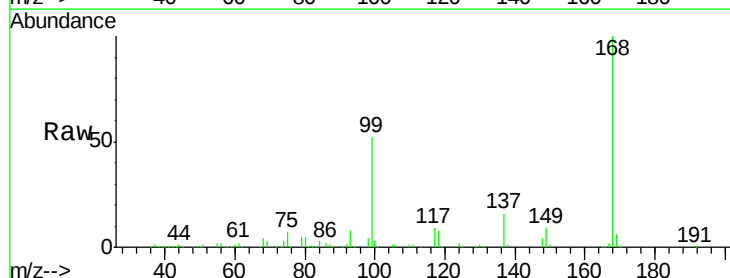
Instrument :  
MSVOA\_N  
ClientSampleId :

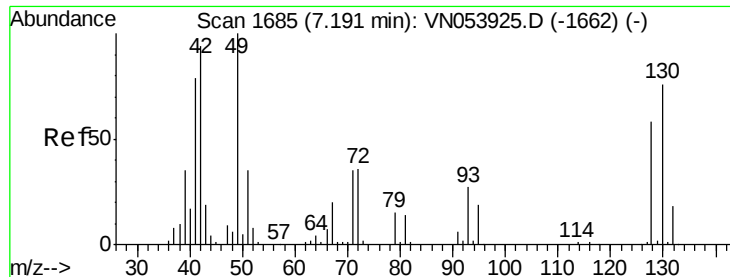
Tot Ion: 43 Resp: 34159  
Ion Ratio Lower Upper  
43 100  
61 0.0 12.0 18.0#  
70 0.0 8.7 13.1#



#38  
Carbon Tetrachloride  
Concen: 5.212 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. -0.11 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Tgt Ion: 117 Resp: 57823  
Ion Ratio Lower Upper  
117 100  
119 5.1 76.2 114.2#  
121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 1.099 ug/l

RT: 7.24 min Scan# 1699

Delta R.T. 0.05 min

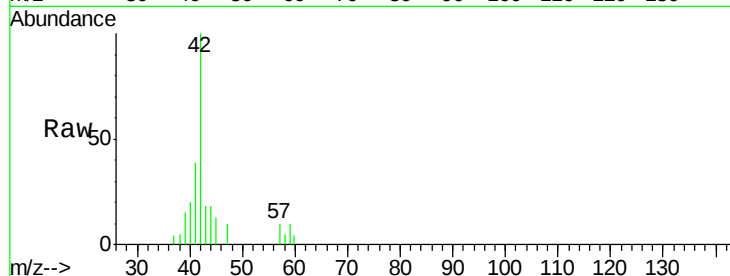
Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 41 Resp: 5390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 21.9  | 0.0   | 0.0#  |
| 67  | 0.0   | 0.0   | 0.0   |
| 52  | 0.0   | 0.0   | 0.0   |



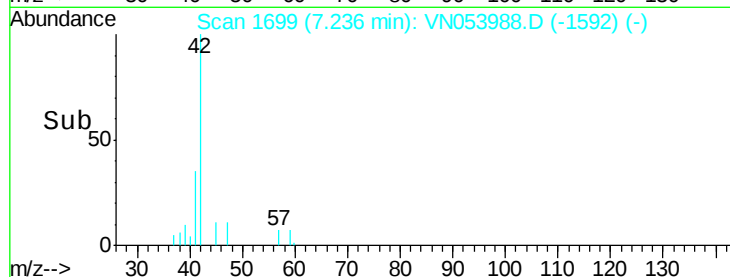
Abundance Ion 41.00 (40.70 to 41.70): VN053925.D (-1662) (-)

Ion 39.00 (38.70 to 39.70): VN053925.D (-1662) (-)

Ion 67.00 (66.70 to 67.70): VN053925.D (-1662) (-)

Ion 52.00 (51.70 to 52.70): VN053925.D (-1662) (-)

Time-->



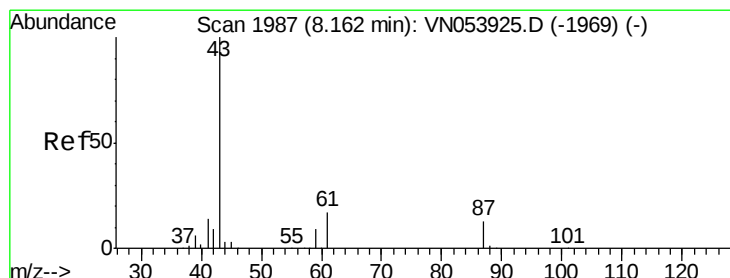
Abundance Ion 41.00 (40.70 to 41.70): VN053988.D (-1592) (-)

Ion 39.00 (38.70 to 39.70): VN053988.D (-1592) (-)

Ion 67.00 (66.70 to 67.70): VN053988.D (-1592) (-)

Ion 52.00 (51.70 to 52.70): VN053988.D (-1592) (-)

Time-->



#43

Isopropyl Acetate

Concen: 13.898 ug/l

RT: 8.30 min Scan# 2030

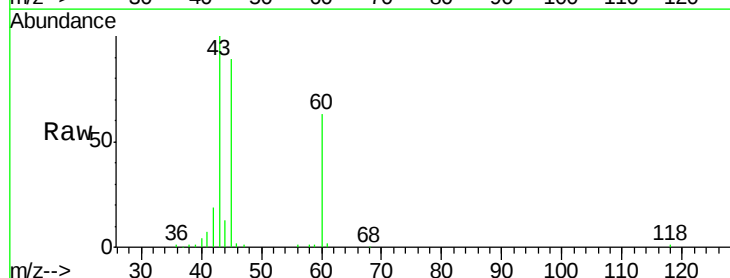
Delta R.T. 0.14 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Tgt Ion: 43 Resp: 178739

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 0.4   | 17.4  | 26.0# |
| 87  | 0.0   | 11.5  | 17.3# |

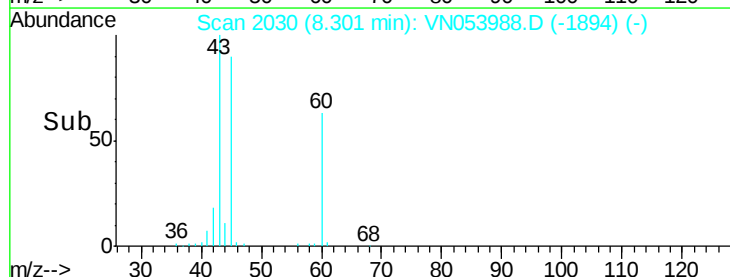


Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053925.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053925.D (-1969) (-)

Time-->

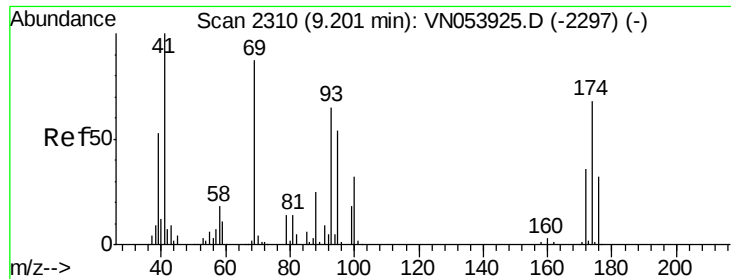


Abundance Ion 43.00 (42.70 to 43.70): VN053988.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053988.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053988.D (-1894) (-)

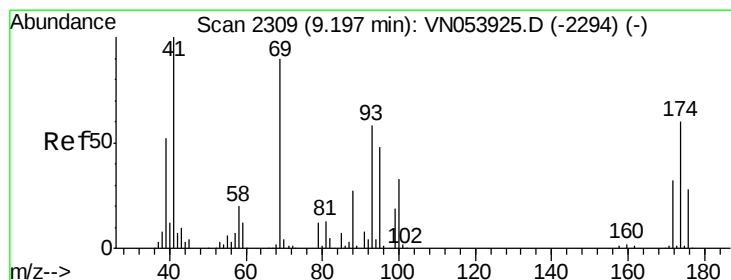
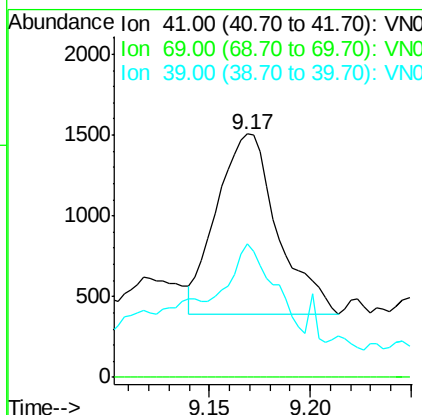
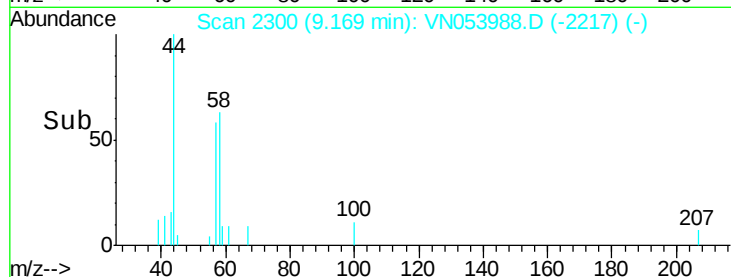
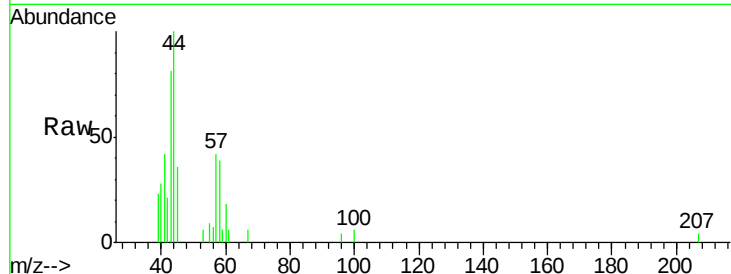
Time-->



#48  
Methvl methacrylate  
Concen: 0.397 ug/l  
RT: 9.17 min Scan# 2300  
Delta R.T. -0.03 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

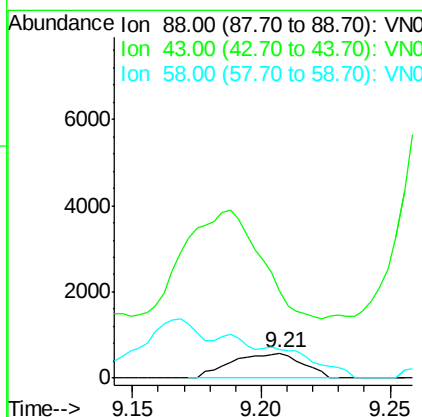
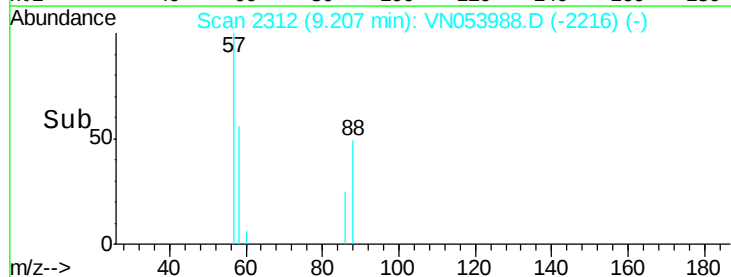
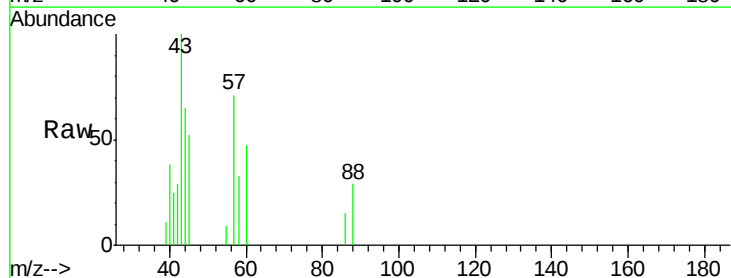
Instrument :  
MSVOA\_N  
ClientSampled :

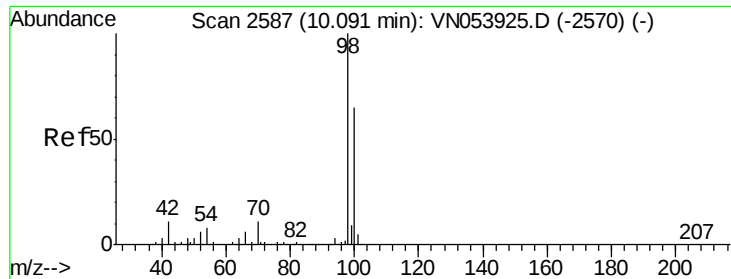
Tot Ion: 41 Resp: 2350  
Ion Ratio Lower Upper  
41 100  
69 0.0 74.8 112.2#  
39 32.3 39.0 58.6#



#49  
1,4-Dioxane  
Concen: 13.729 ug/l  
RT: 9.21 min Scan# 2312  
Delta R.T. 0.01 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Tgt Ion: 88 Resp: 1100  
Ion Ratio Lower Upper  
88 100  
43 465.6 21.2 31.8#  
58 0.0 54.2 81.2#





#50

Toluene-d8

Concen: 52.088 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA\_N

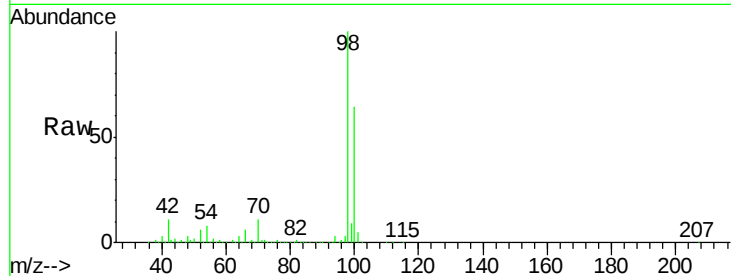
ClientSampleId :

Tot Ion: 98 Resp: 1438258

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053925.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053925.D (-2570) (-)

10.09

800000

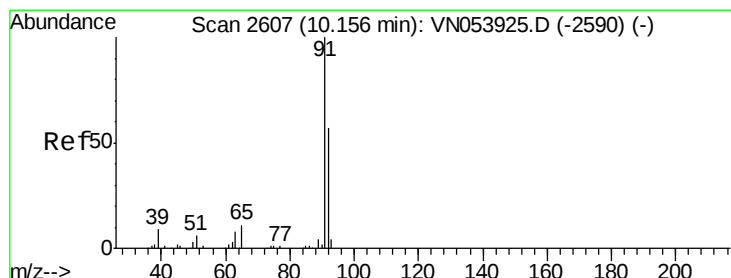
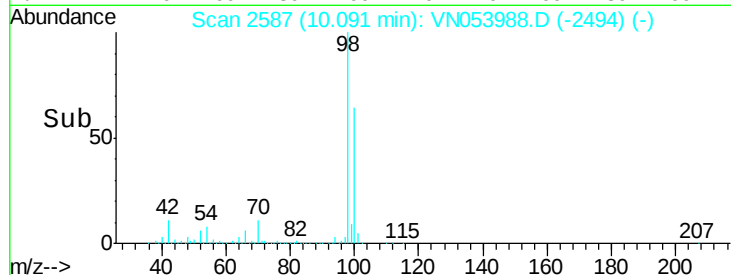
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 1.452 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053988.D

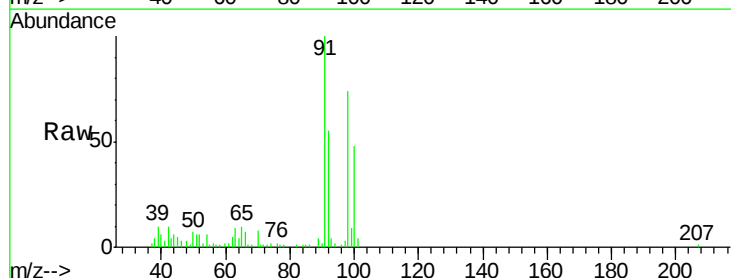
Acq: 28 Feb 2019 00:11

Tgt Ion: 92 Resp: 28011

Ion Ratio Lower Upper

92 100

91 169.0 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN053925.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053925.D (-2590) (-)

10.16

30000

25000

20000

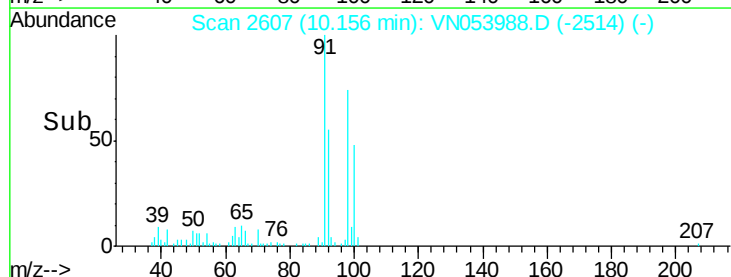
15000

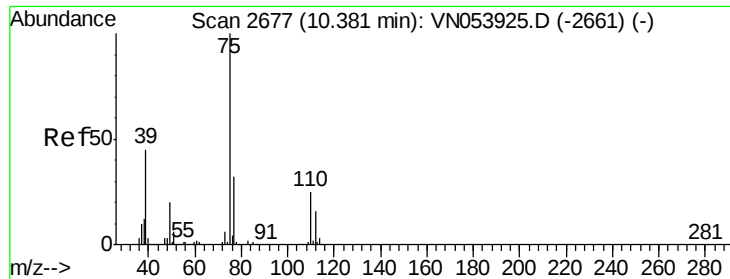
10000

5000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.206 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.03 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA\_N

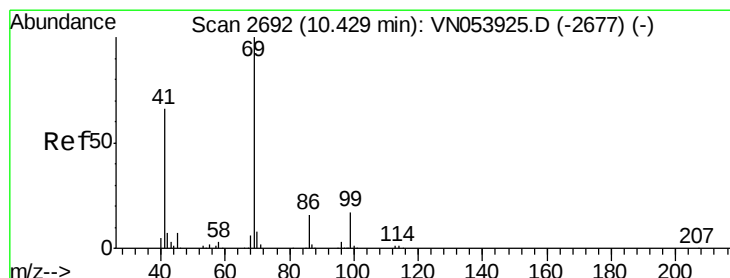
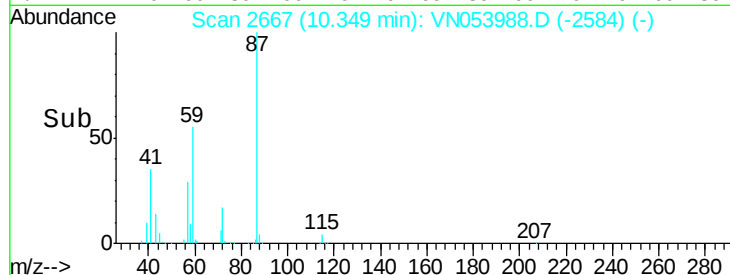
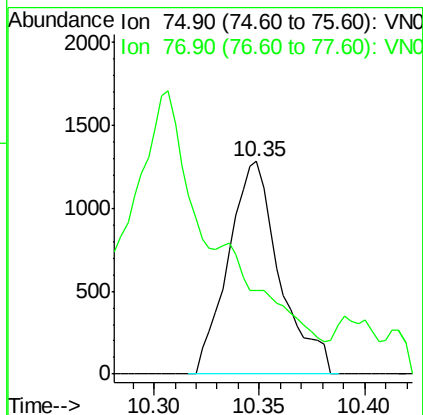
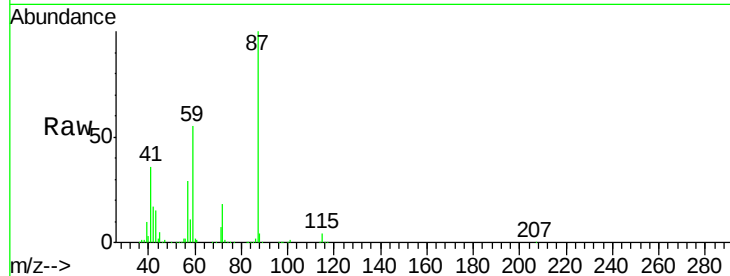
ClientSampleId :

Tot Ion: 75 Resp: 2171

Ion Ratio Lower Upper

75 100

77 16.4 25.0 37.6#



#56

Ethyl methacrylate

Concen: 2.110 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. -0.07 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

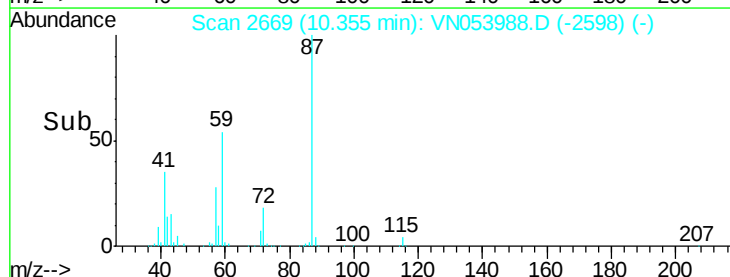
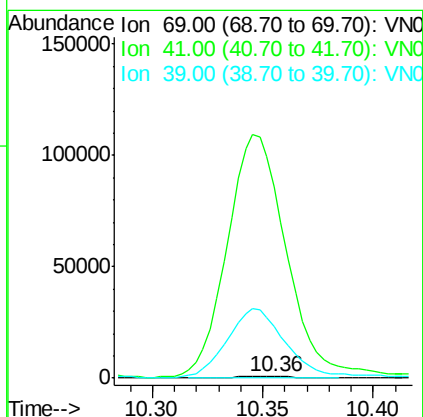
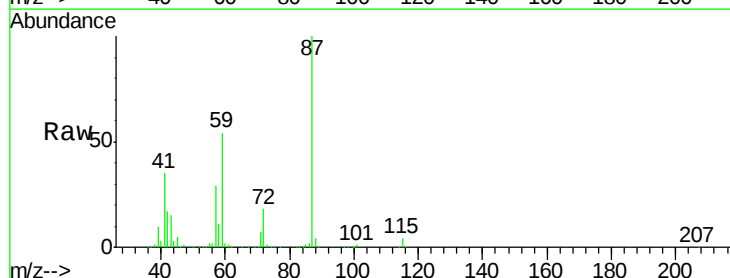
Tgt Ion: 69 Resp: 1526

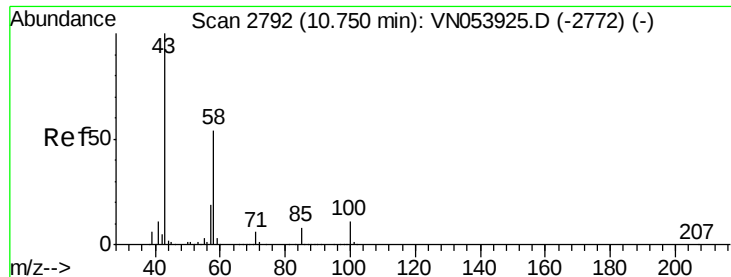
Ion Ratio Lower Upper

69 100

41 13440.5 47.5 71.3#

39 3774.0 23.4 35.0#

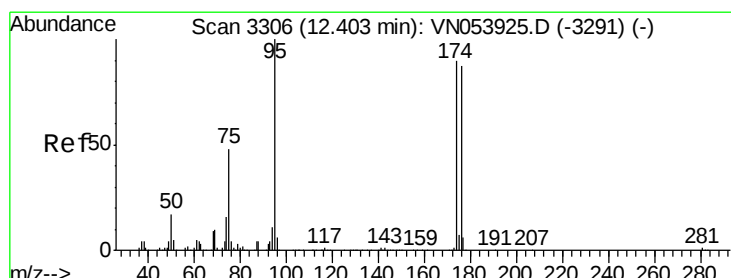
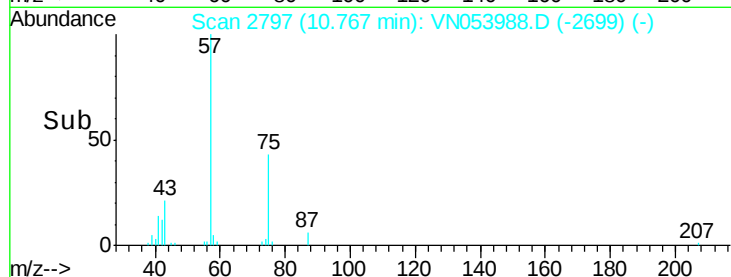
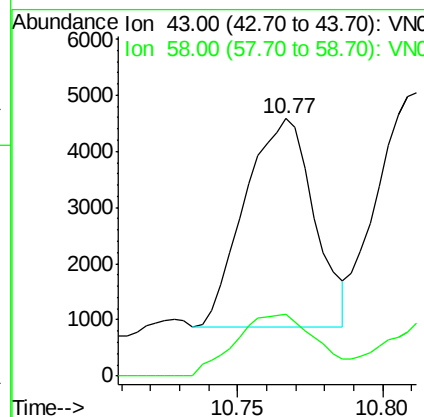
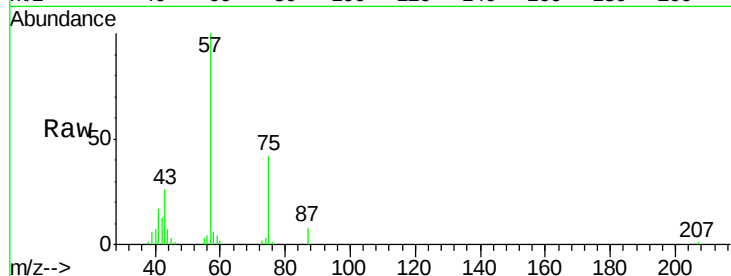




#59  
2-Hexanone  
Concen: 1.424 ug/l  
RT: 10.77 min Scan# 2797  
Delta R.T. 0.02 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

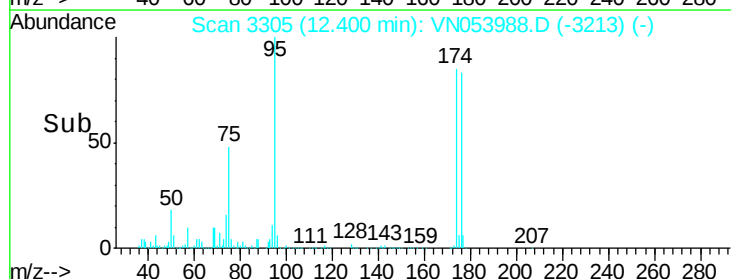
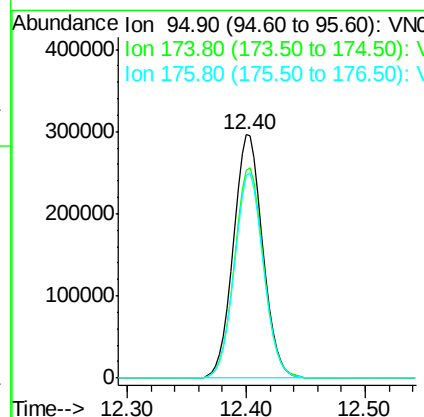
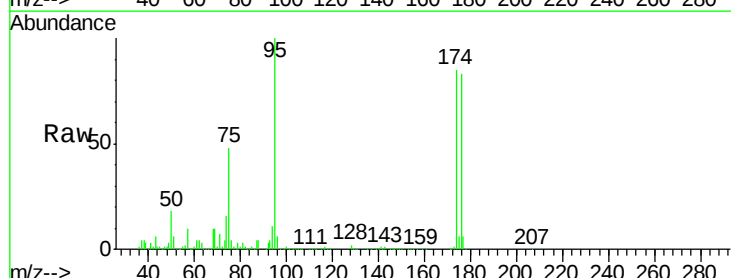
Instrument :  
MSVOA\_N  
ClientSampled :

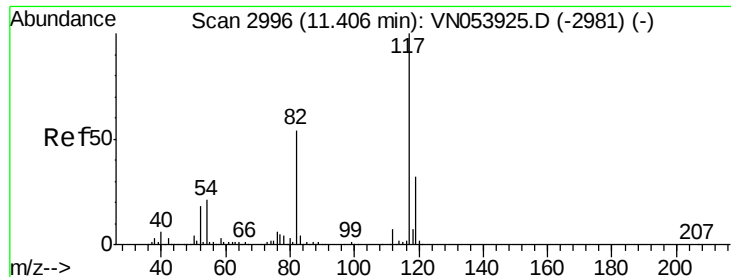
Tot Ion: 43 Resp: 6122  
Ion Ratio Lower Upper  
43 100  
58 34.5 29.1 87.4



#62  
4-Bromofluorobenzene  
Concen: 54.919 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Tgt Ion: 95 Resp: 505230  
Ion Ratio Lower Upper  
95 100  
174 86.3 0.0 188.8  
176 83.7 0.0 182.6

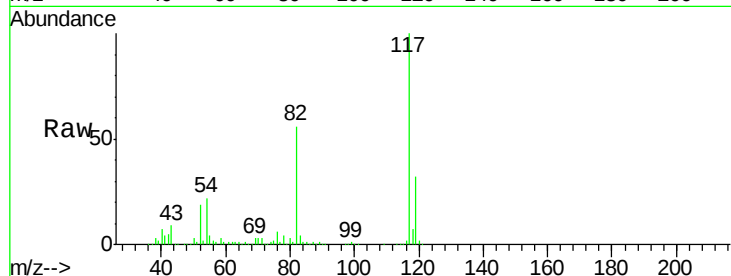




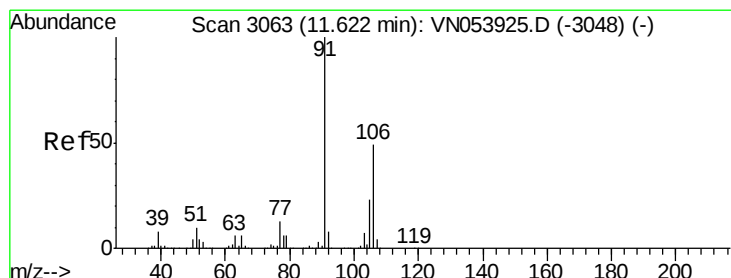
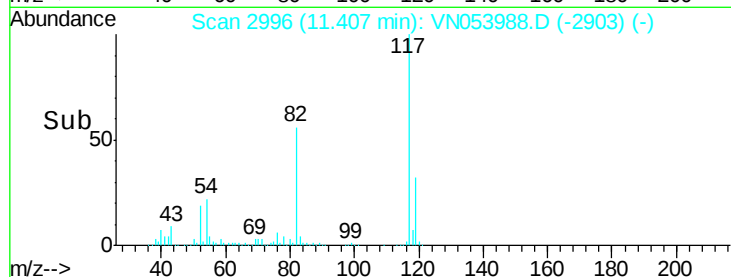
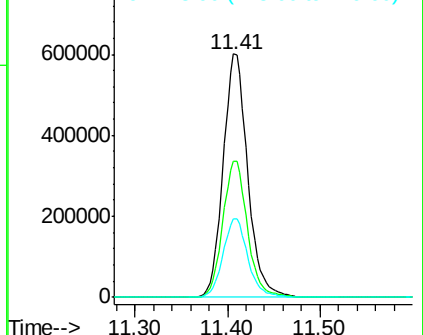
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:117 Resp: 1102593  
Ion Ratio Lower Upper  
117 100  
82 56.0 41.4 62.2  
119 32.3 25.3 37.9

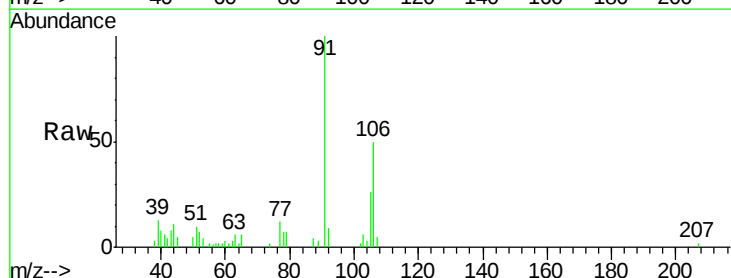


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

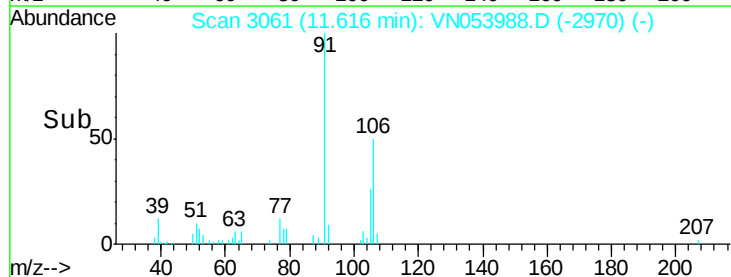
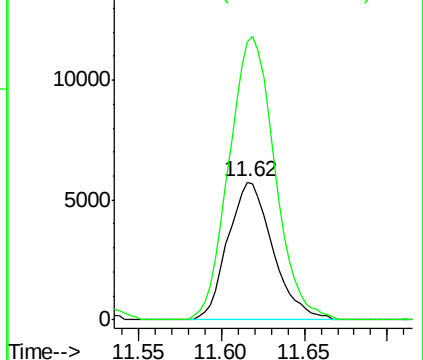


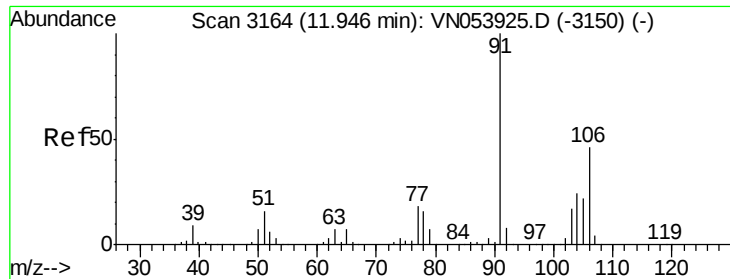
#68  
m/p-Xylenes  
Concen: 0.737 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.01 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Tgt Ion:106 Resp: 10844  
Ion Ratio Lower Upper  
106 100  
91 209.1 158.9 238.3



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

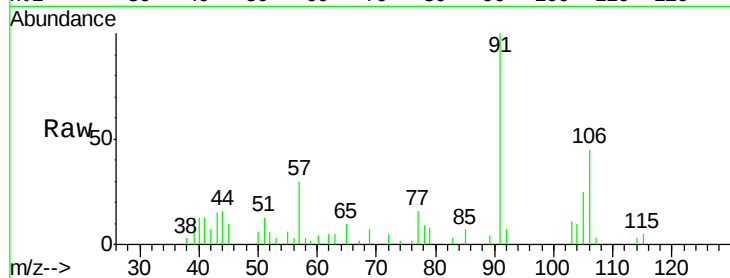




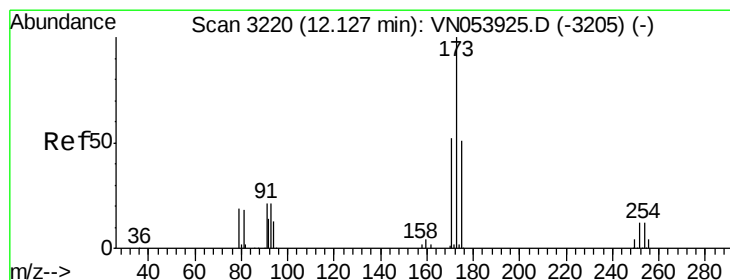
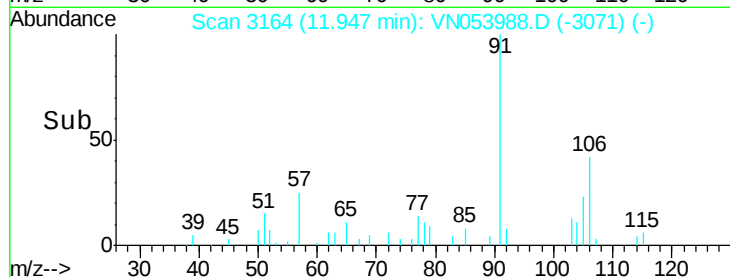
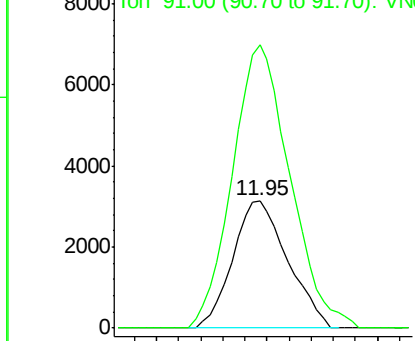
#69  
o-Xylene  
Concen: 0.375 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion:106 Resp: 5423  
Ion Ratio Lower Upper  
106 100  
91 233.7 106.0 318.0

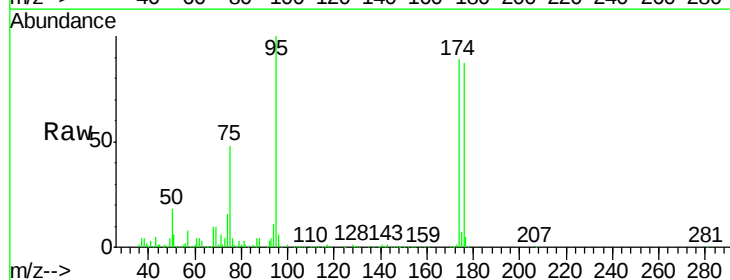


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

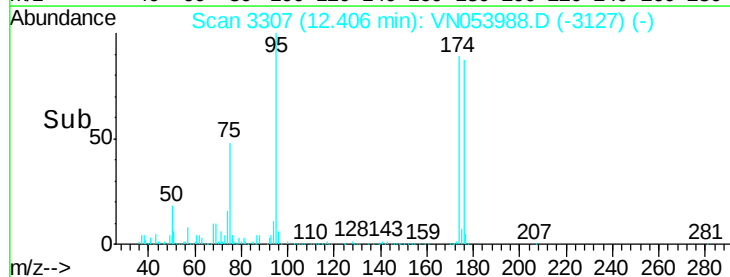
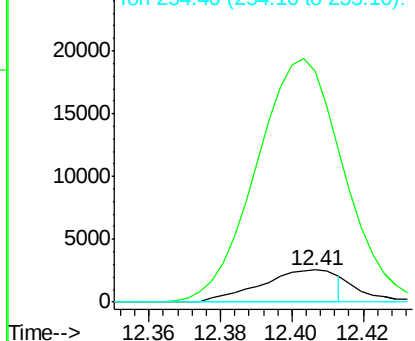


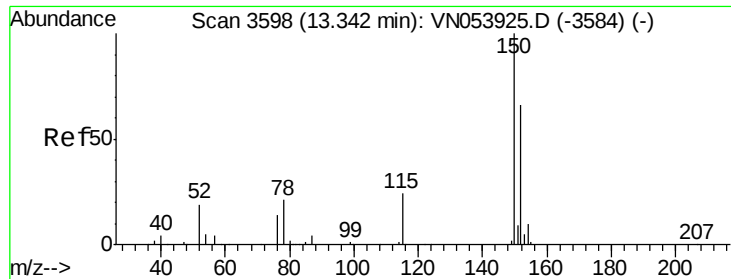
#71  
Bromoform  
Concen: 0.644 ug/l  
RT: 12.41 min Scan# 3307  
Delta R.T. 0.28 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Tgt Ion:173 Resp: 3756  
Ion Ratio Lower Upper  
173 100  
175 752.8 24.3 72.8#  
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



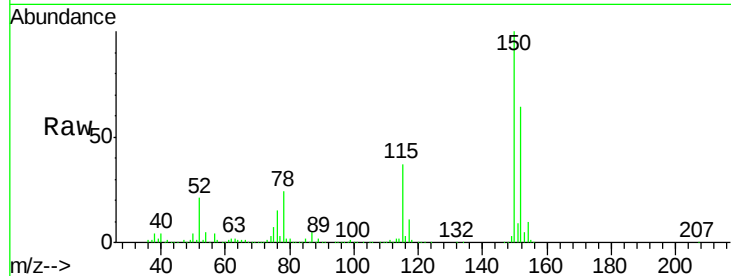


#72

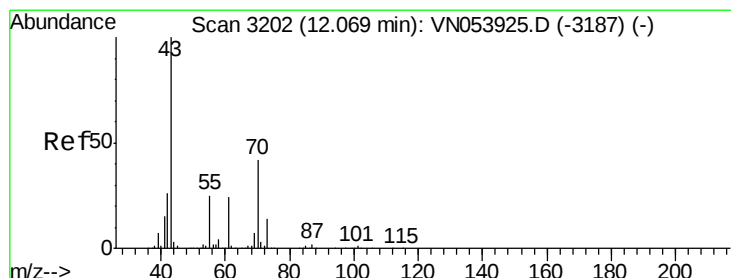
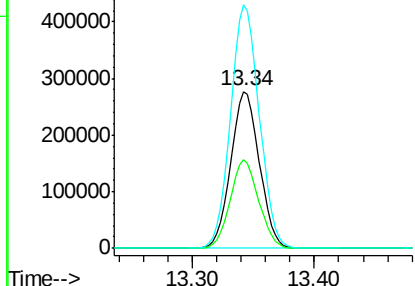
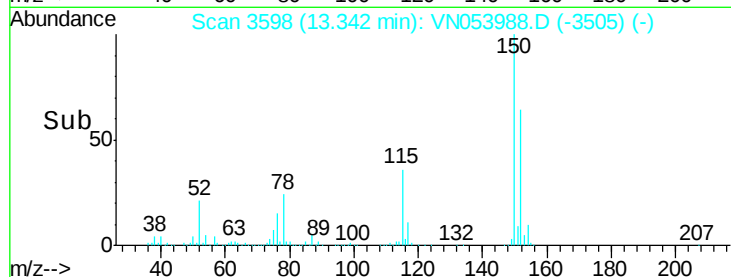
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

Instrument :  
MSVOA\_N  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.5  | 27.2  | 81.6  |
| 150     | 156.2 | 0.0   | 348.2 |



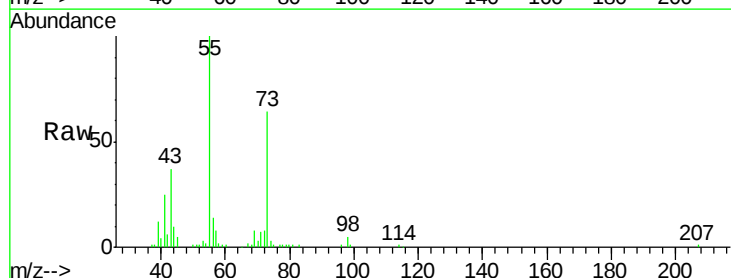
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



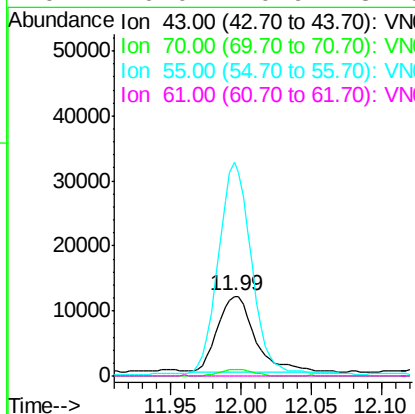
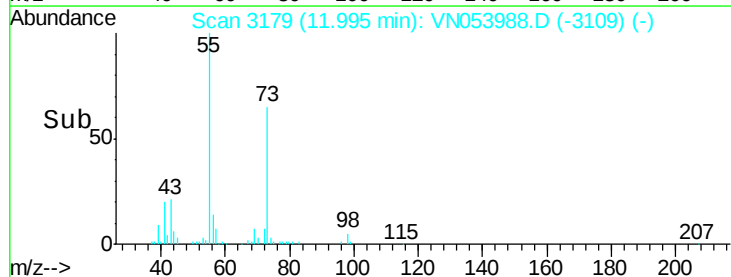
#74

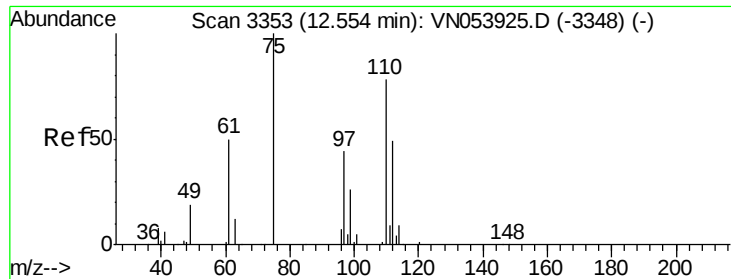
N-ethyl acetate  
Concen: 2.343 ug/l  
RT: 11.99 min Scan# 3179  
Delta R.T. -0.07 min  
Lab File: VN053988.D  
Acq: 28 Feb 2019 00:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 7.7   | 37.4  | 56.2# |
| 55      | 243.3 | 21.4  | 32.0# |
| 61      | 0.0   | 20.9  | 31.3# |



Abundance Ion 43.00 (42.70 to 43.70): V  
Ion 70.00 (69.70 to 70.70): V  
Ion 55.00 (54.70 to 55.70): V  
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 33.633 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA\_N

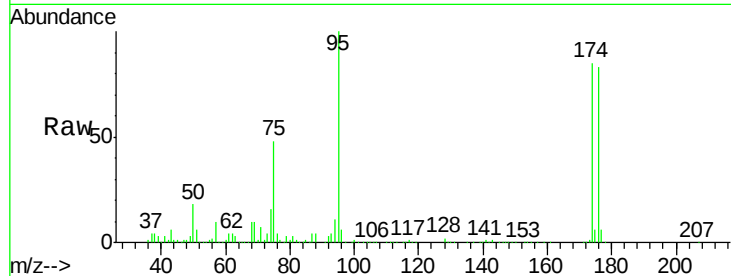
ClientSampleId :

Tot Ion: 75 Resp: 243412

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053925.D (-3348) (-)

12.40

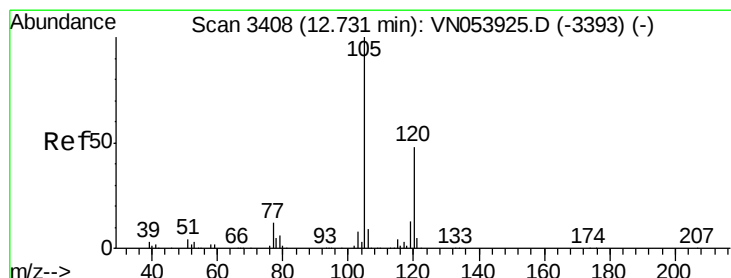
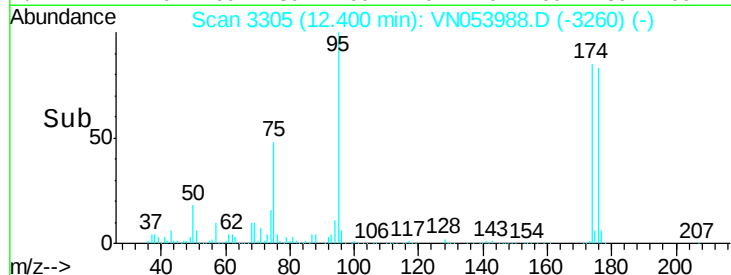
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.291 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053988.D

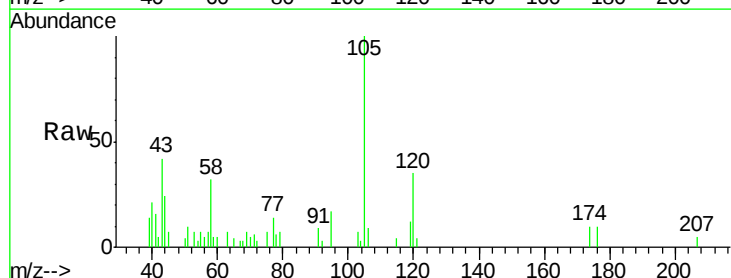
Acq: 28 Feb 2019 00:11

Tgt Ion: 105 Resp: 8375

Ion Ratio Lower Upper

105 100

120 39.1 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053925.D (-3393) (-)

12.73

6000

5000

4000

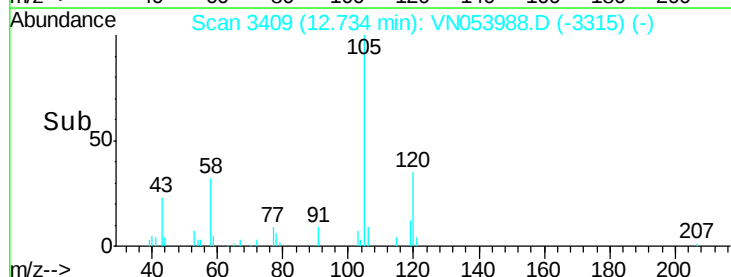
3000

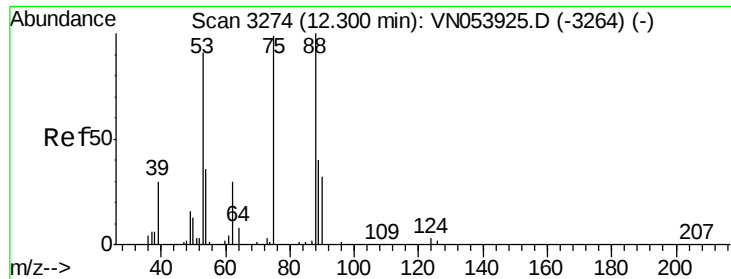
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 106.302 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA\_N

ClientSampleId :

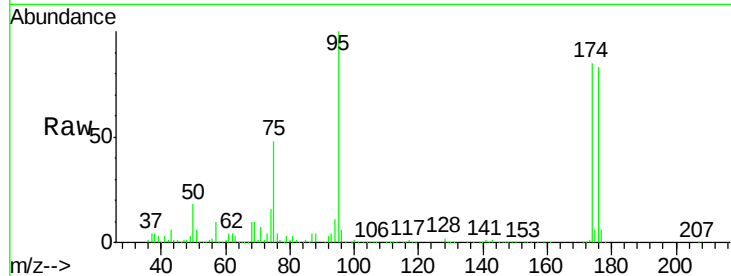
Tot Ion: 75 Resp: 243412

Ion Ratio Lower Upper

75 100

53 0.7 68.6 102.8#

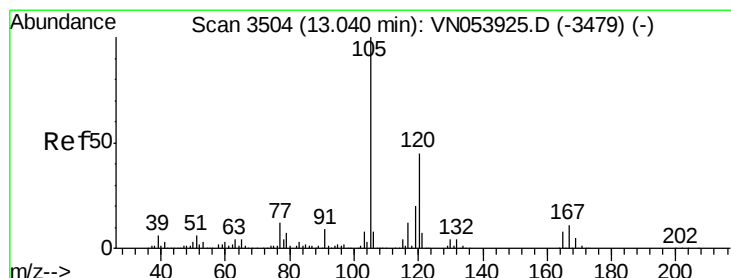
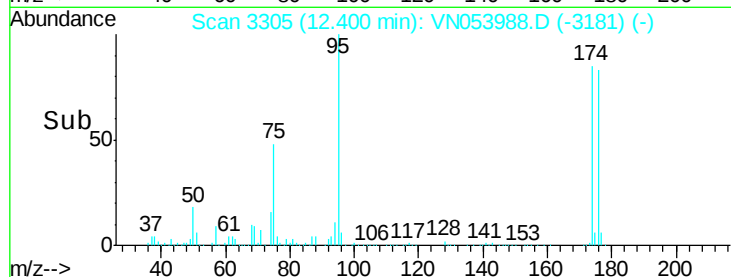
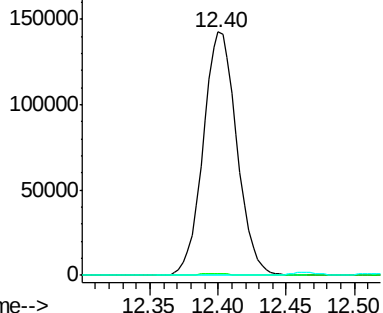
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053988.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053988.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053988.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.696 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053988.D

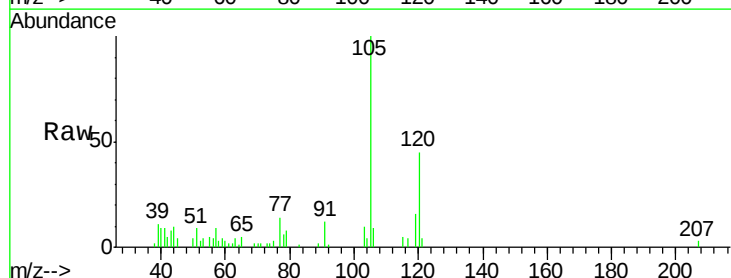
Acq: 28 Feb 2019 00:11

Tgt Ion: 105 Resp: 19964

Ion Ratio Lower Upper

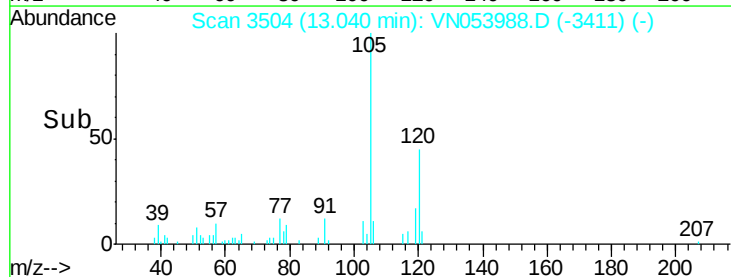
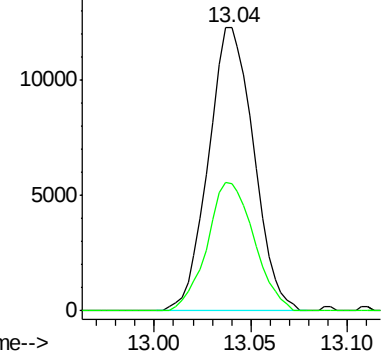
105 100

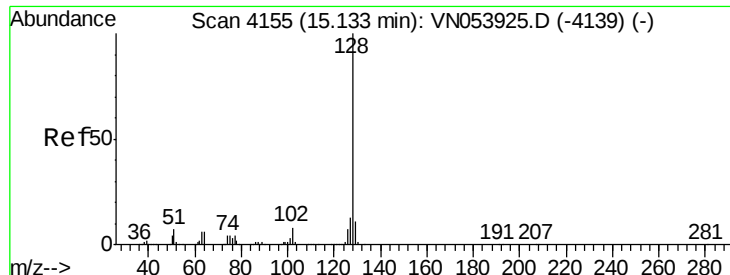
120 46.8 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): VN053988.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN053988.D (-3411) (-)





#95

Naphthalene

Concen: 3.759 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

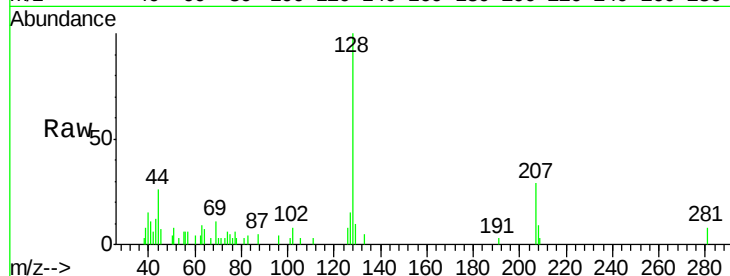
Lab File: VN053988.D

Acq: 28 Feb 2019 00:11

Instrument :

MSVOA\_N

ClientSampleId :



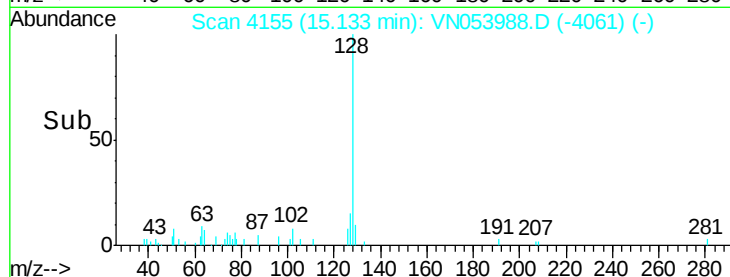
Tot Ion:128 Resp: 10437

Ion Ratio Lower Upper

128 100

127 16.4 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

