

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN110118\  
 Data File : VN052111.D  
 Acq On : 1 Nov 2018 18:56  
 Operator : MD\SY  
 Sample : J5741-18  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 23 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-4

Quant Time: Nov 02 07:04:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 02:45:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 298280   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 548620   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 516290   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 207540   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 252912   | 52.84 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.68% |      |
| 35) Dibromofluoromethane    | 7.60   | 113 | 208509   | 60.75 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 121.50% |      |
| 50) Toluene-d8              | 10.09  | 98  | 822107   | 59.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 119.86% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 275118   | 54.63 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.26% |      |

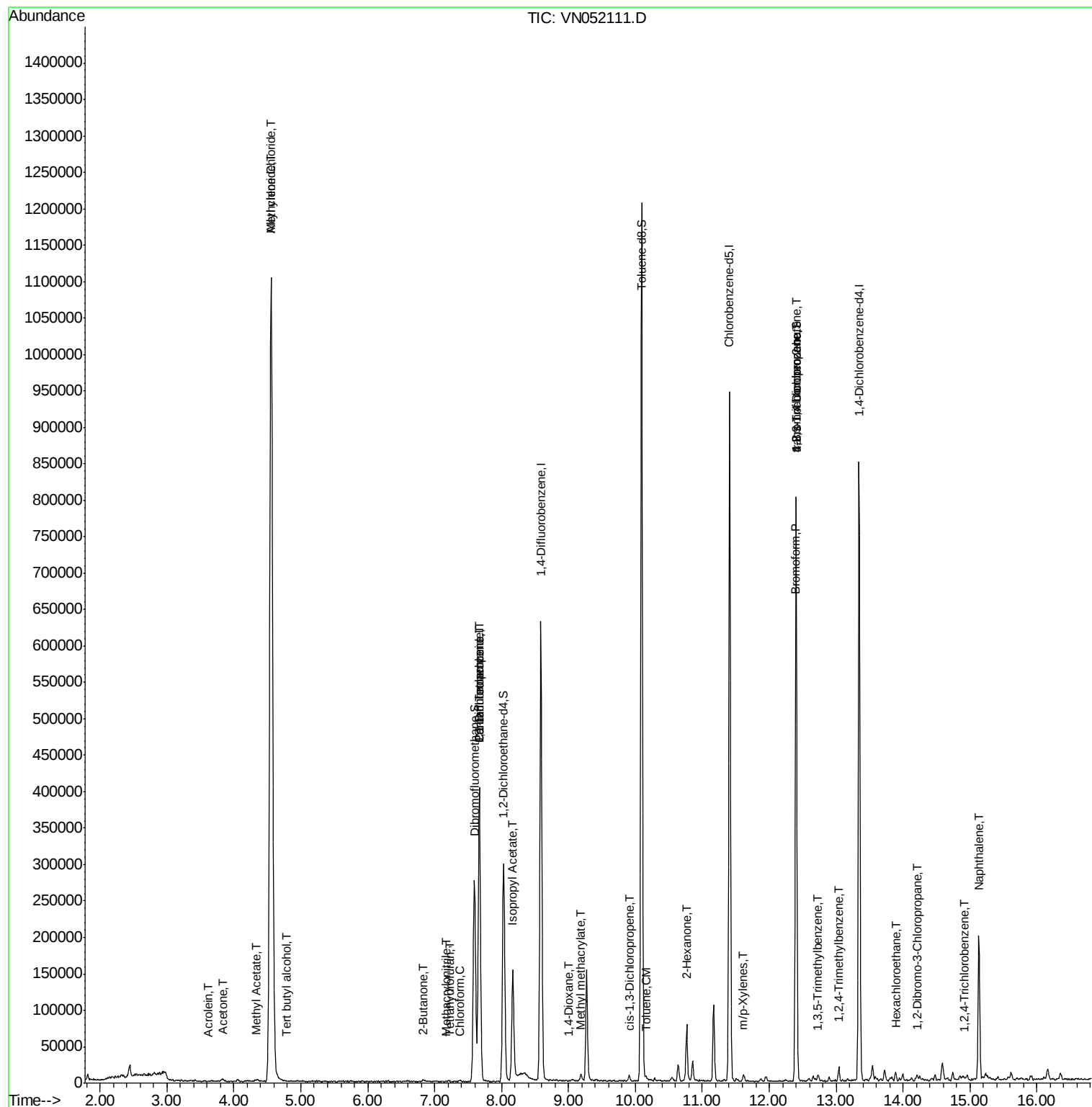
| Target Compounds               |       |     |        |           |        | Qvalue |
|--------------------------------|-------|-----|--------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.79  | 59  | 100    | 0.417     | ug/l # | 76     |
| 13) Acrolein                   | 3.61  | 56  | 111    | 24.454    | ug/l   | 83     |
| 14) Allyl chloride             | 4.55  | 41  | 28905  | 4.616     | ug/l # | 23     |
| 16) Acetone                    | 3.82  | 43  | 5170   | 5.060     | ug/l   | 92     |
| 18) Methyl Acetate             | 4.33  | 43  | 1893   | 0.582     | ug/l # | 66     |
| 20) Methylene Chloride         | 4.55  | 84  | 818914 | 210.351   | ug/l   | 95     |
| 25) 2-Butanone                 | 6.83  | 43  | 340    | 0.212     | ug/l # | 50     |
| 29) Tetrahydrofuran            | 7.23  | 42  | 811    | 0.760     | ug/l # | 49     |
| 30) Chloroform                 | 7.37  | 83  | 1895   | 0.251     | ug/l # | 65     |
| 31) Cyclohexane                | 7.66  | 56  | 7545   | Below Cal | #      | 10     |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 26691  | 4.785     | ug/l # | 46     |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 31595  | 6.569     | ug/l # | 17     |
| 41) Methacrylonitrile          | 7.17  | 41  | 351    | 0.324     | ug/l # | 41     |
| 43) Isopropyl Acetate          | 8.17  | 43  | 186258 | 28.047    | ug/l   | 98     |
| 48) Methyl methacrylate        | 9.18  | 41  | 5034   | 1.495     | ug/l # | 20     |
| 49) 1,4-Dioxane                | 9.00  | 88  | 99     | 28.480    | ug/l # | 18     |
| 52) Toluene                    | 10.16 | 92  | 2287   | 0.235     | ug/l   | 77     |
| 54) cis-1,3-Dichloropropene    | 9.91  | 75  | 1436   | 0.228     | ug/l # | 78     |
| 59) 2-Hexanone                 | 10.76 | 43  | 12191  | 4.739     | ug/l # | 60     |
| 68) m/p-Xylenes                | 11.62 | 106 | 2434   | 0.351     | ug/l   | 91     |
| 71) Bromoform                  | 12.38 | 173 | 103    | 2.223     | ug/l # | 29     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 147015 | 38.697    | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 3907   | 0.271     | ug/l   | 75     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 147015 | 128.442   | ug/l # | 9      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 9989   | 0.695     | ug/l   | 91     |
| 90) Hexachloroethane           | 13.88 | 117 | 642    | 0.265     | ug/l # | 19     |
| 92) 1,2-Dibromo-3-Chloropropan | 14.20 | 75  | 77     | 1.042     | ug/l # | 11     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180 | 689    | 0.291     | ug/l # | 76     |
| 95) Naphthalene                | 15.13 | 128 | 160952 | 27.066    | ug/l   | 99     |

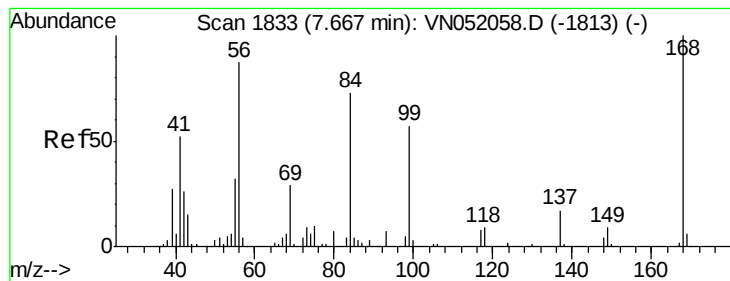
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TP-4

Quant Time: Nov 02 07:04:11 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 02:45:22 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampleId :

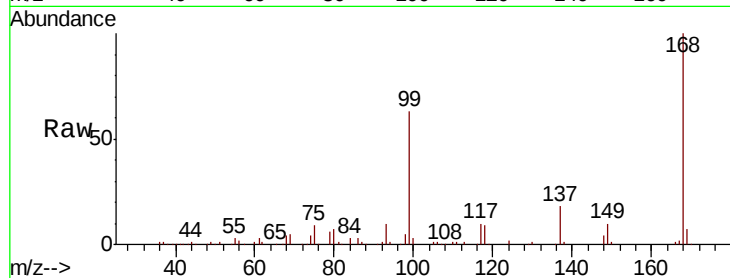
TP-4

Tgt Ion: 168 Resp: 298280

Ion Ratio Lower Upper

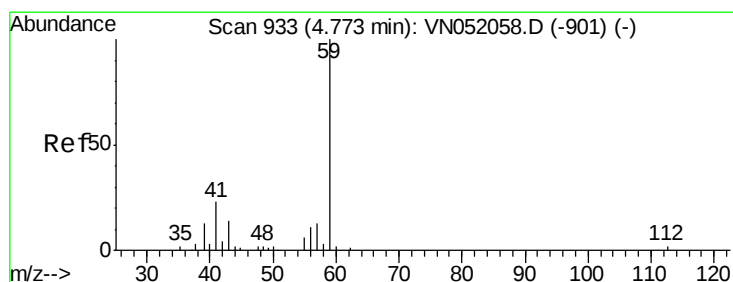
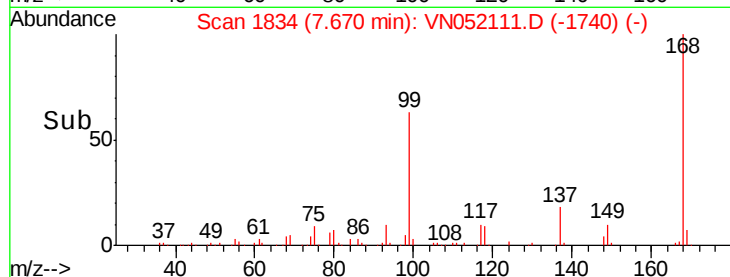
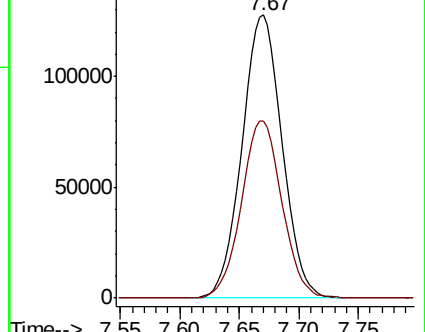
168 100

99 62.7 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052111.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052111.D (-1740) (-)



#11

Tert butyl alcohol

Concen: 0.417 ug/l

RT: 4.79 min Scan# 937

Delta R.T. 0.01 min

Lab File: VN052111.D

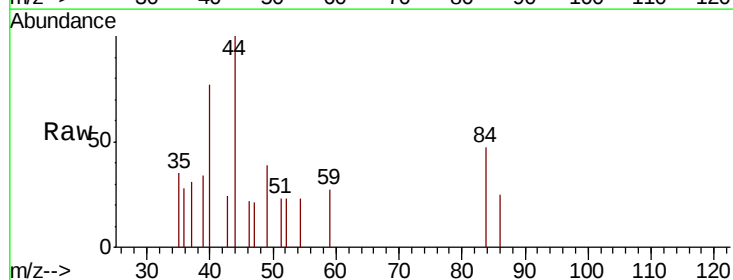
Acq: 1 Nov 2018 18:56

Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

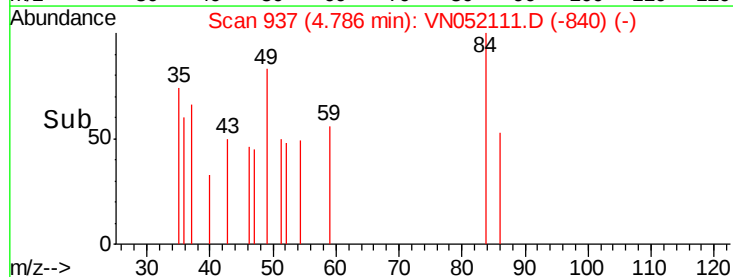
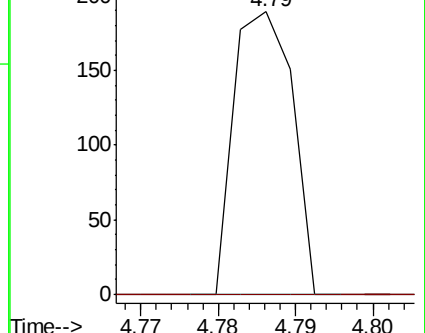
59 100

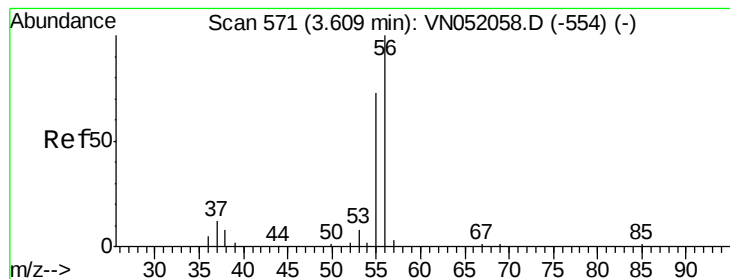
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VN052111.D (-840) (-)

Ion 57.00 (56.70 to 57.70): VN052111.D (-840) (-)





#13

Acrolein

Concen: 24.454 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampled :

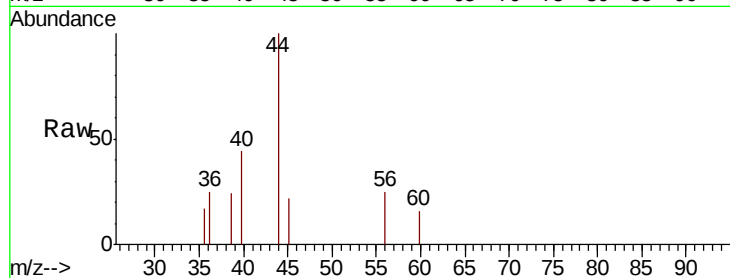
TP-4

Tgt Ion: 56 Resp: 111

Ion Ratio Lower Upper

56 100

55 89.2 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

250

200

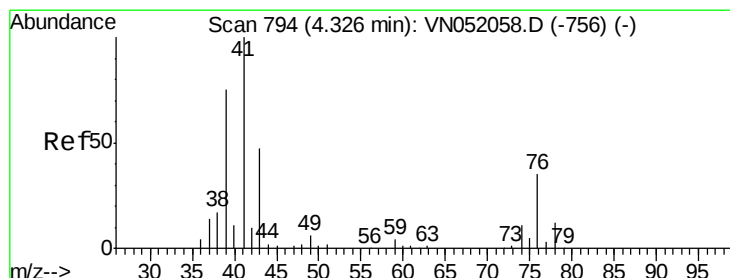
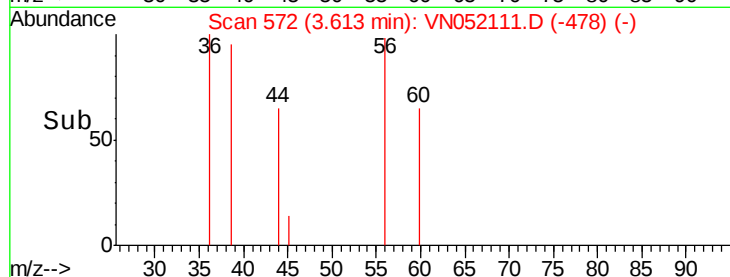
150

100

50

0

Time-->



#14

Allyl chloride

Concen: 4.616 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.23 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

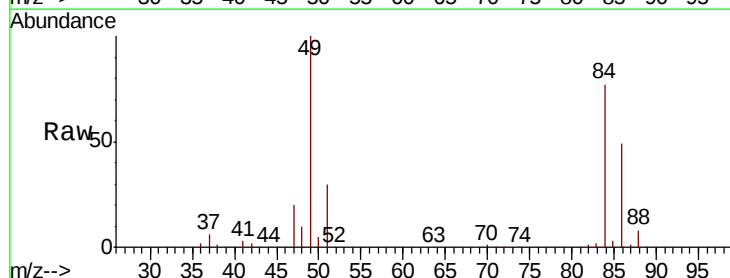
Tgt Ion: 41 Resp: 28905

Ion Ratio Lower Upper

41 100

39 0.5 58.1 87.1#

76 0.0 26.0 39.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

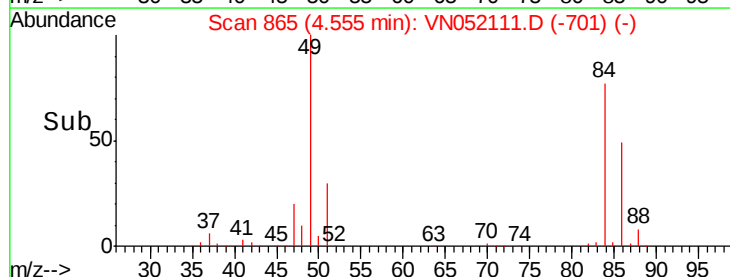
15000

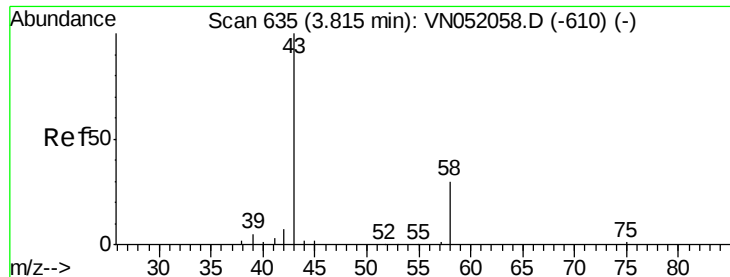
10000

5000

0

Time-->





#16

Acetone

Concen: 5.060 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampled :

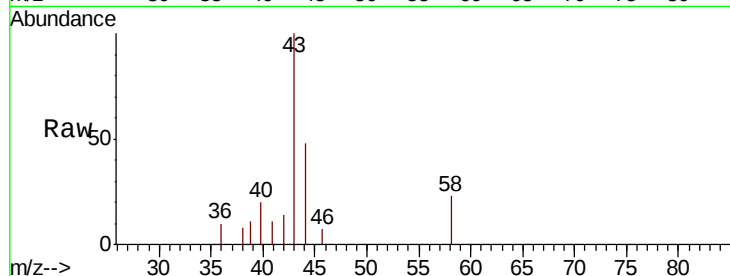
TP-4

Tgt Ion: 43 Resp: 5170

Ion Ratio Lower Upper

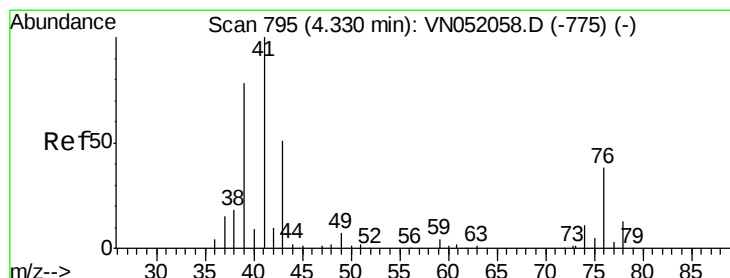
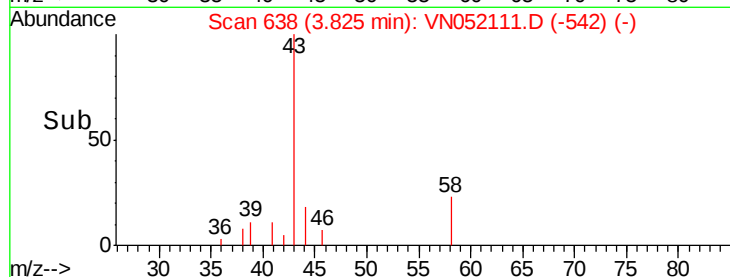
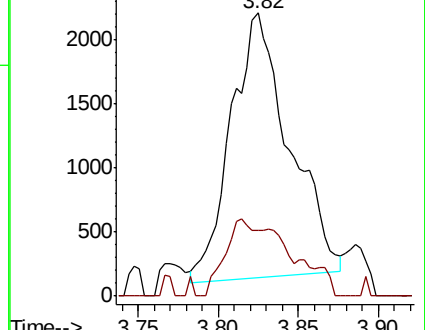
43 100

58 25.6 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-610) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-610) (-)



#18

Methyl Acetate

Concen: 0.582 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052111.D

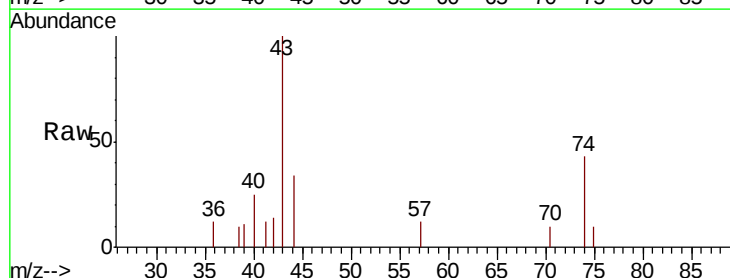
Acq: 1 Nov 2018 18:56

Tgt Ion: 43 Resp: 1893

Ion Ratio Lower Upper

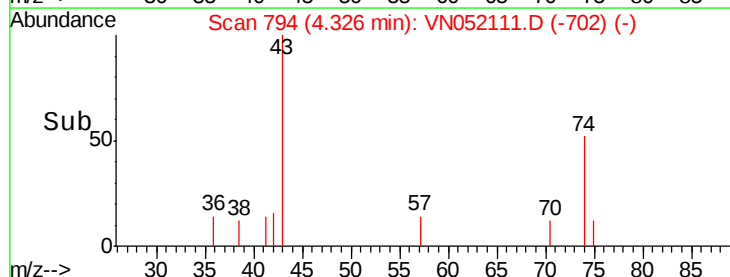
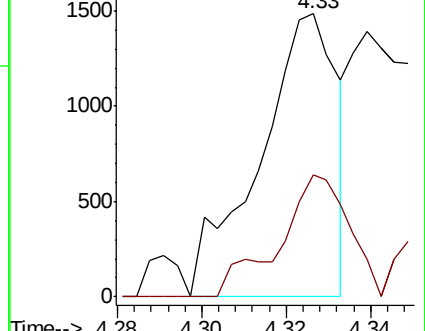
43 100

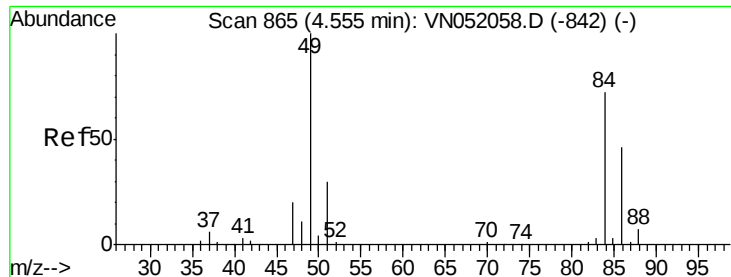
74 38.7 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-775) (-)

Ion 74.00 (73.70 to 74.70): VN052058.D (-775) (-)

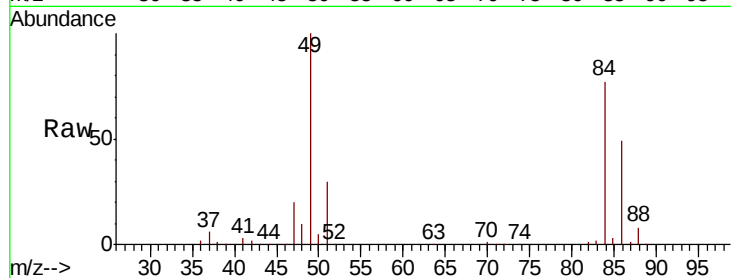




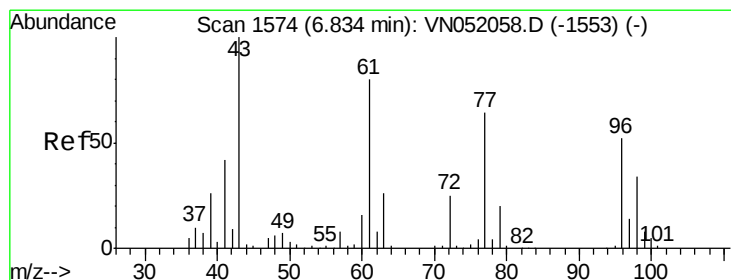
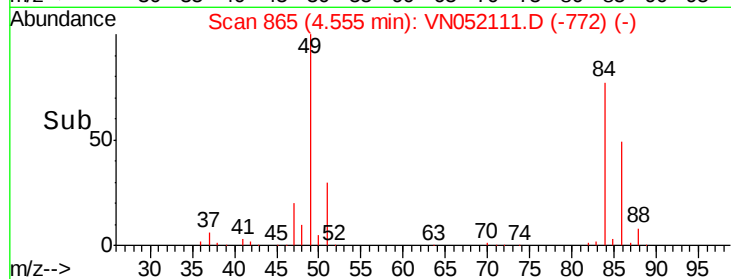
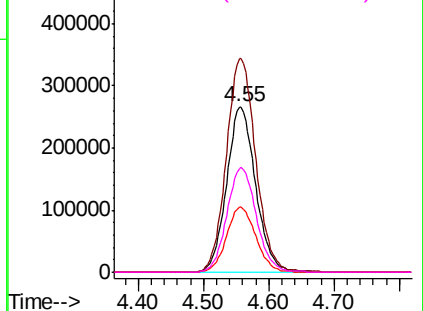
#20  
Methylene Chloride  
Concen: 210.351 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-4

Tgt Ion: 84 Resp: 818914  
Ion Ratio Lower Upper  
84 100  
49 129.0 110.6 165.8  
51 39.3 33.7 50.5  
86 62.6 50.5 75.7

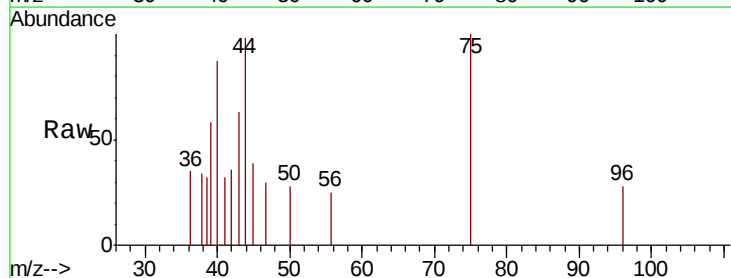


Abundance Ion 83.90 (83.60 to 84.60): VN0  
Ion 48.90 (48.60 to 49.60): VN0  
Ion 50.90 (50.60 to 51.60): VN0  
Ion 85.90 (85.60 to 86.60): VN0

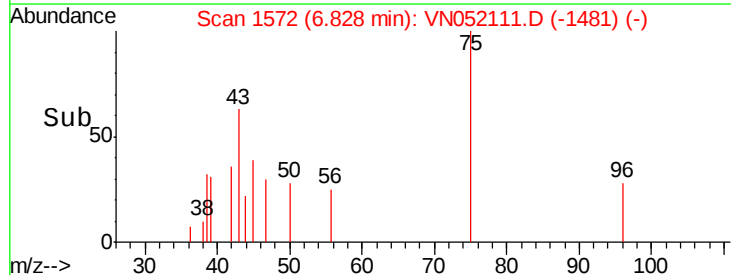
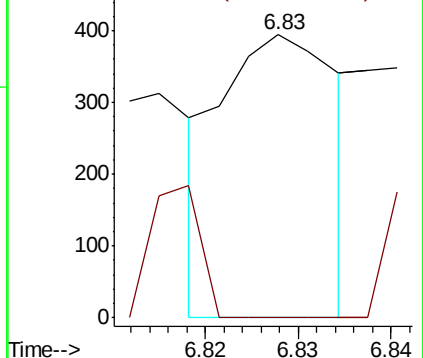


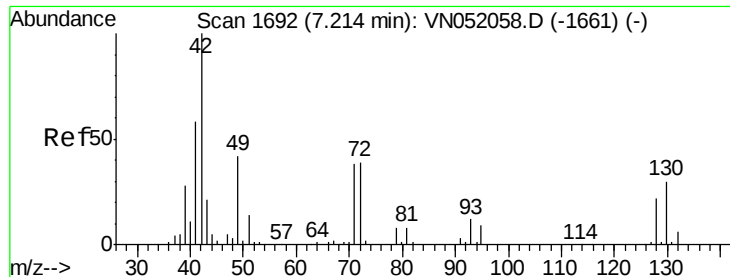
#25  
2-Butanone  
Concen: 0.212 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

Tgt Ion: 43 Resp: 340  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.760 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampled :

TP-4

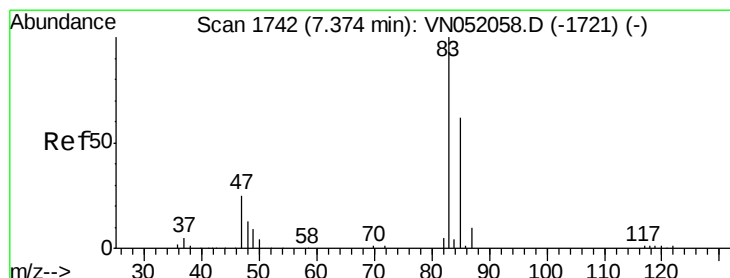
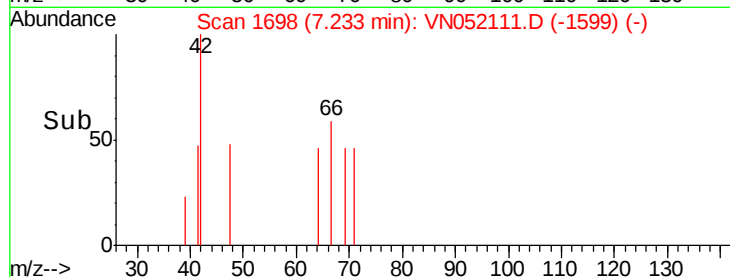
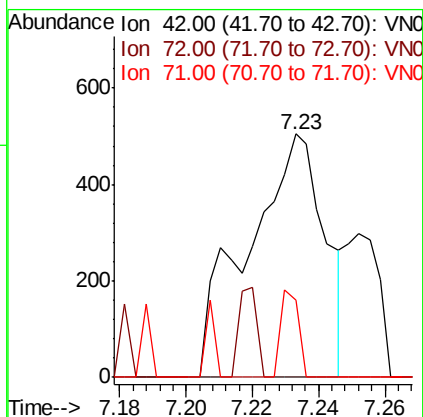
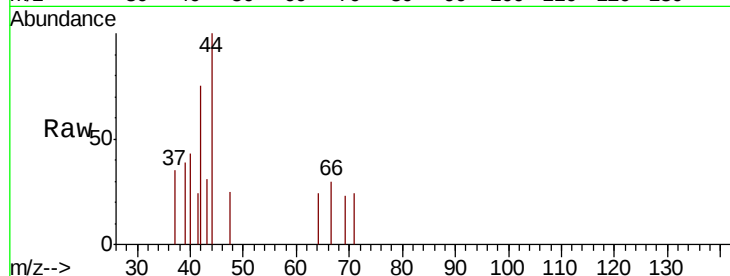
Tgt Ion: 42 Resp: 811

Ion Ratio Lower Upper

42 100

72 8.8 32.5 48.7#

71 8.1 30.6 46.0#



#30

Chloroform

Concen: 0.251 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052111.D

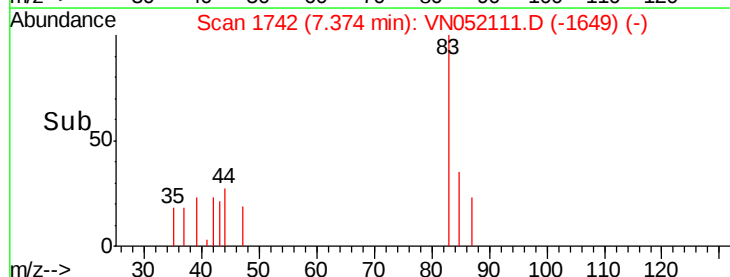
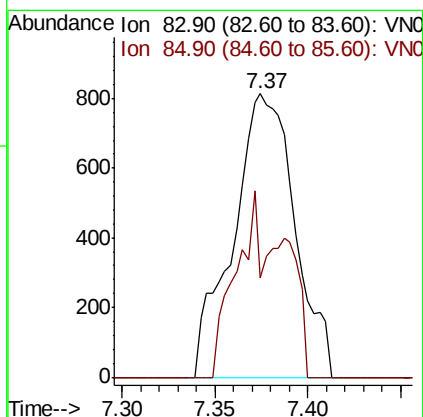
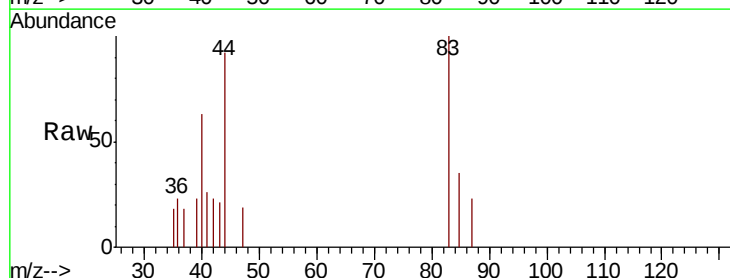
Acq: 1 Nov 2018 18:56

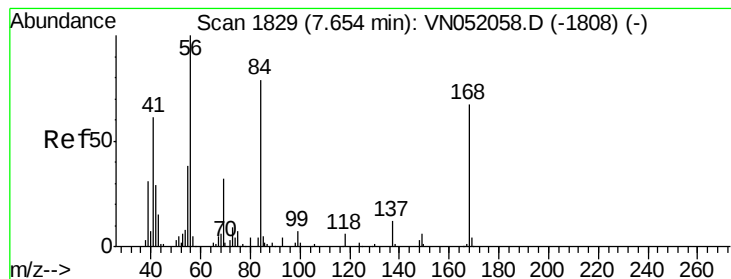
Tgt Ion: 83 Resp: 1895

Ion Ratio Lower Upper

83 100

85 34.9 49.6 74.4#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampleId :

TP-4

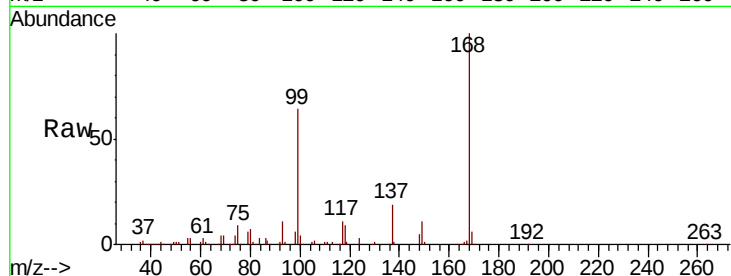
Tgt Ion: 56 Resp: 7545

Ion Ratio Lower Upper

56 100

69 155.2 25.8 38.6#

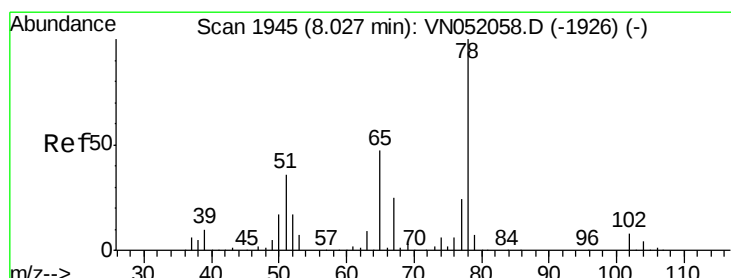
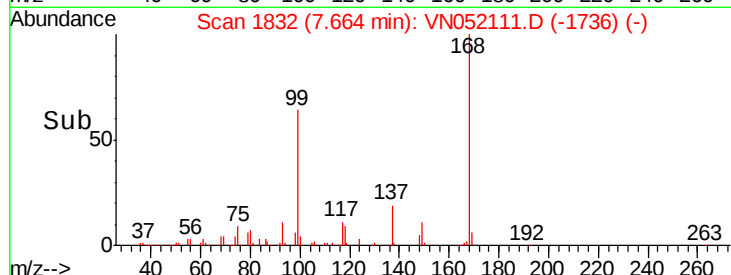
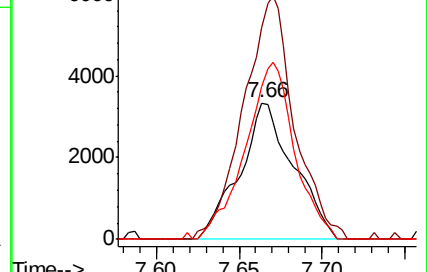
84 112.3 63.5 95.3#



Abundance Ion 56.00 (55.70 to 56.70): VN052111.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052111.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052111.D (-1736) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052111.D

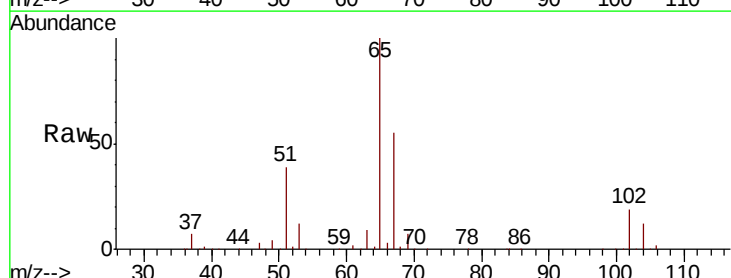
Acq: 1 Nov 2018 18:56

Tgt Ion: 65 Resp: 252912

Ion Ratio Lower Upper

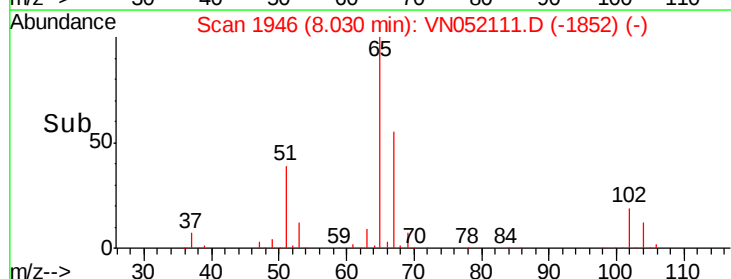
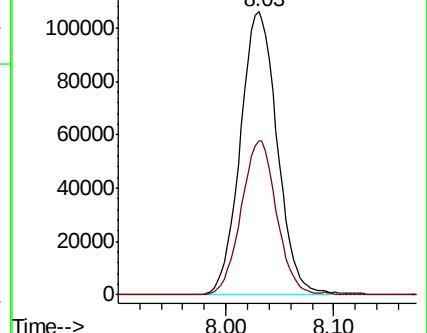
65 100

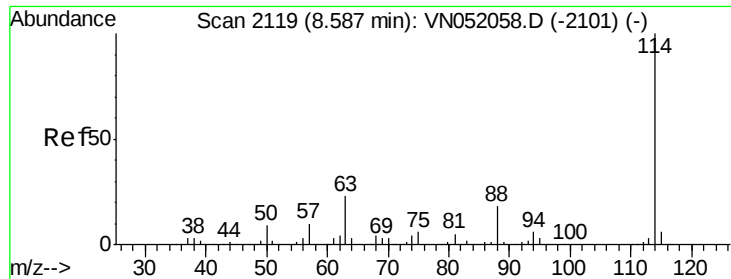
67 52.2 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052111.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052111.D (-1852) (-)

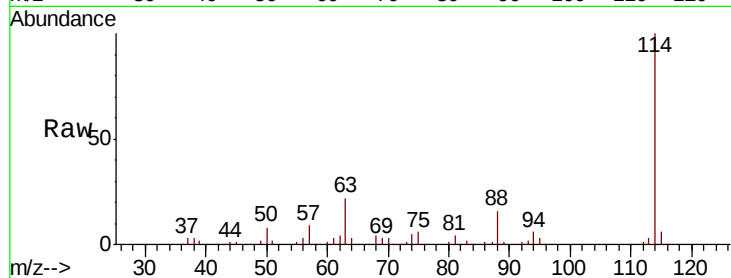




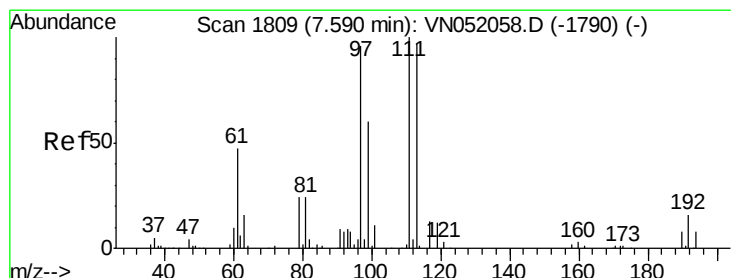
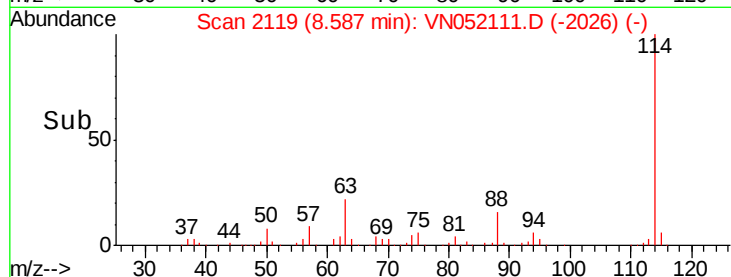
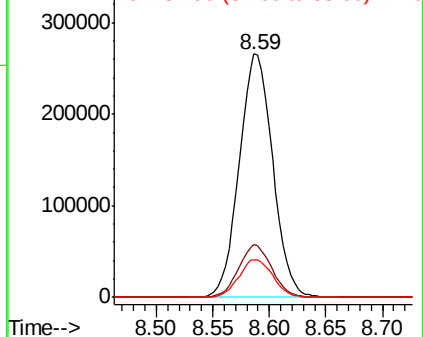
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. -0.00 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-4

Tgt Ion:114 Resp: 548620  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 46.0  
88 15.6 0.0 35.4

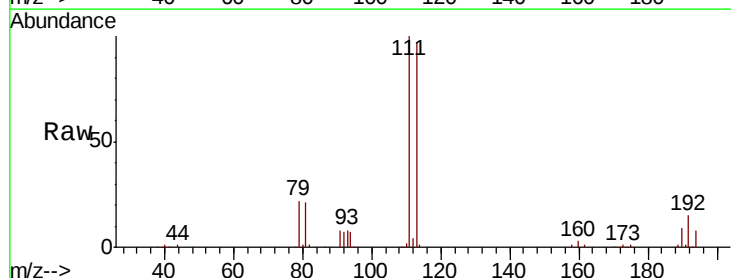


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

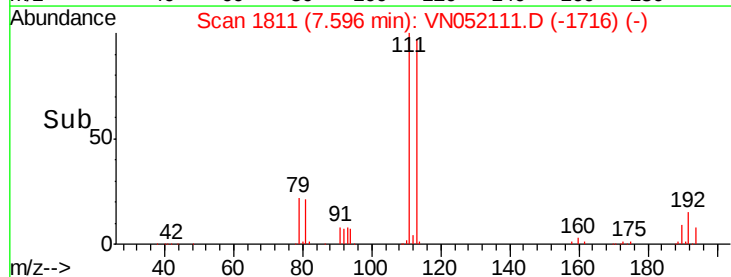
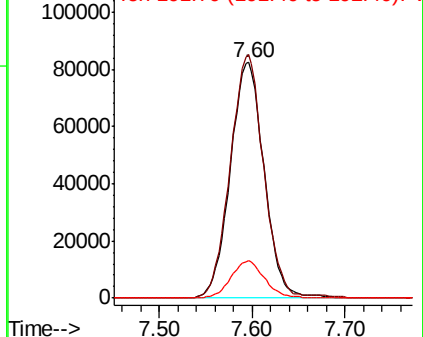


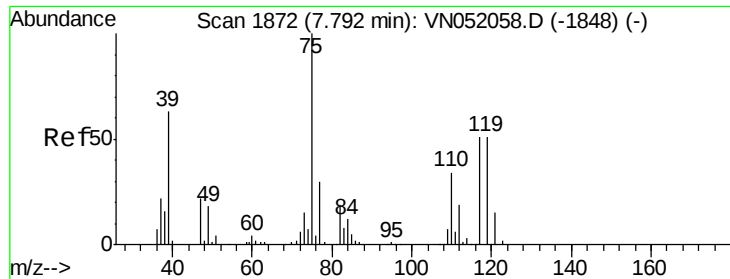
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.60 min Scan# 1811  
Delta R.T. 0.01 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

Tgt Ion:113 Resp: 208509  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.1 124.7  
192 15.8 12.7 19.1



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

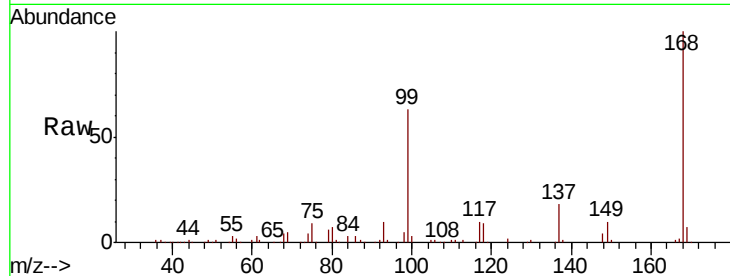




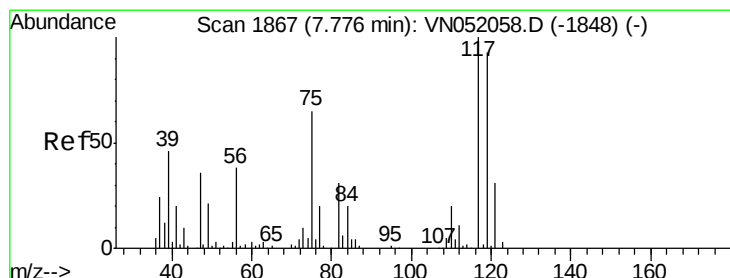
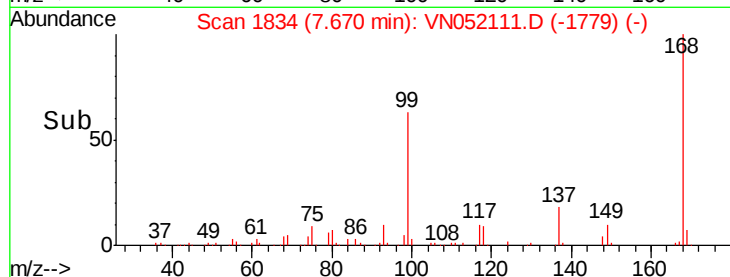
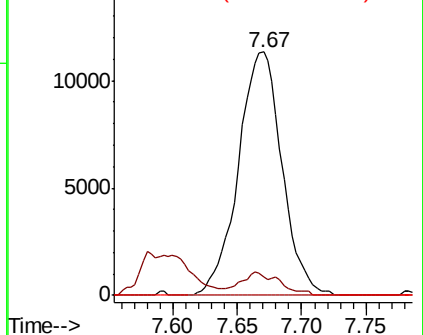
#36  
 1,1-Dichloropropene  
 Concen: 4.785 ug/l  
 RT: 7.67 min Scan# 1834  
 Delta R.T. -0.12 min  
 Lab File: VN052111.D  
 Acq: 1 Nov 2018 18:56

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-4

Tgt Ion: 75 Resp: 26691  
 Ion Ratio Lower Upper  
 75 100  
 110 3.0 16.0 48.0#  
 77 0.0 24.5 36.7#

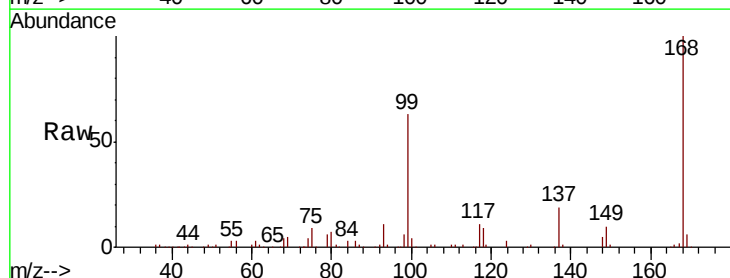


Abundance Ion 74.90 (74.60 to 75.60): VN0  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VN0

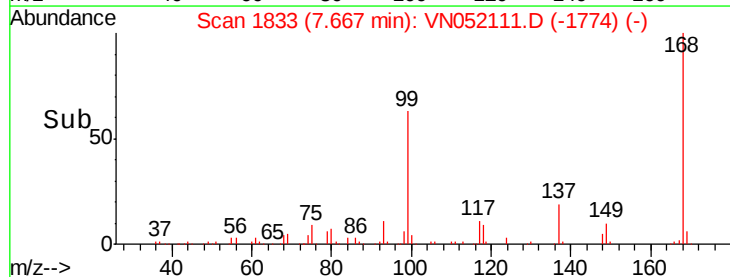
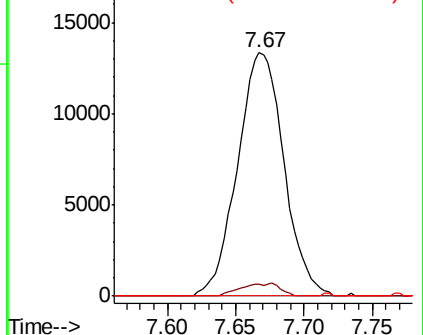


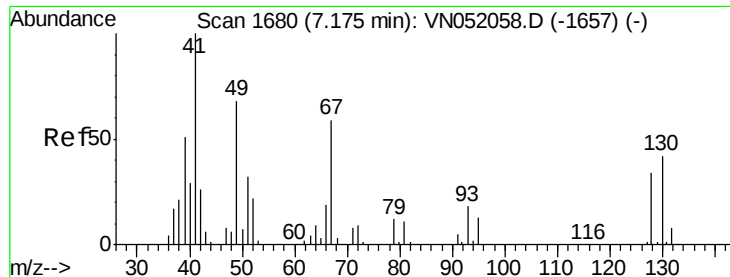
#38  
 Carbon Tetrachloride  
 Concen: 6.569 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.11 min  
 Lab File: VN052111.D  
 Acq: 1 Nov 2018 18:56

Tgt Ion: 117 Resp: 31595  
 Ion Ratio Lower Upper  
 117 100  
 119 4.9 74.8 112.2#  
 121 0.0 25.1 37.7#



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





#41

Methacrylonitrile

Concen: 0.324 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

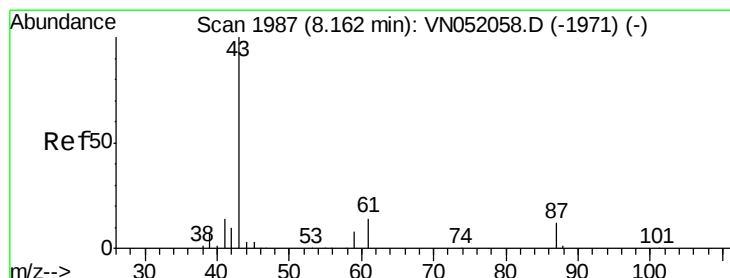
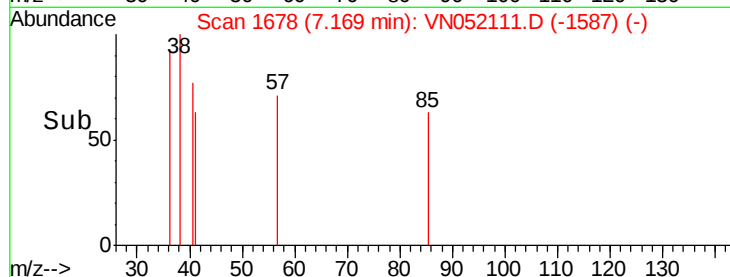
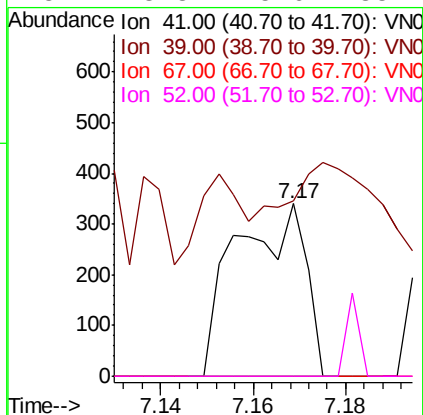
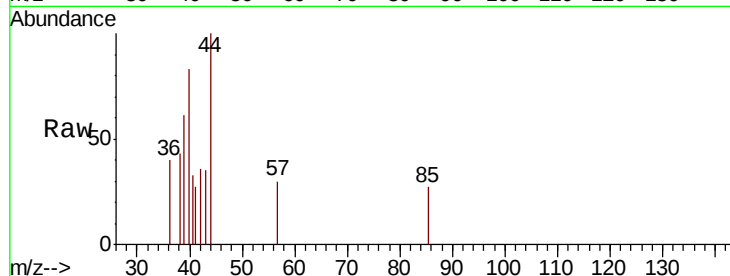
MSVOA\_N

ClientSampled :

TP-4

Tgt Ion: 41 Resp: 351

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 48.4  | 33.2  | 49.8  |
| 67  | 0.0   | 63.5  | 95.3# |
| 52  | 8.8   | 25.6  | 38.4# |



#43

Isopropyl Acetate

Concen: 28.047 ug/l

RT: 8.17 min Scan# 1988

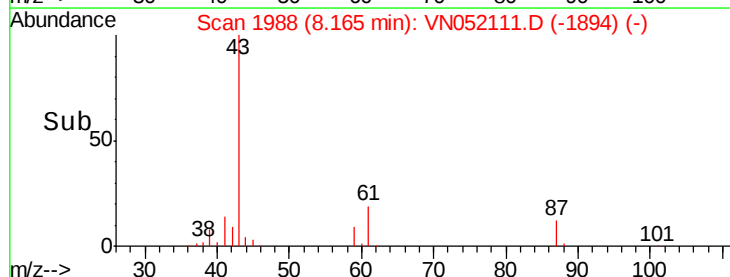
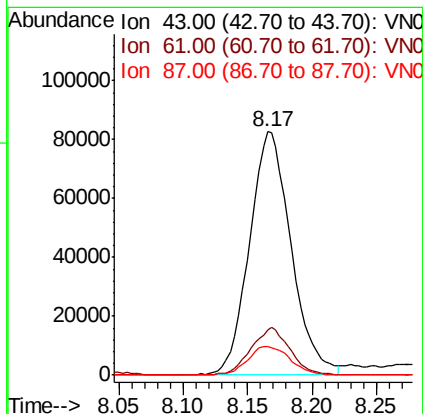
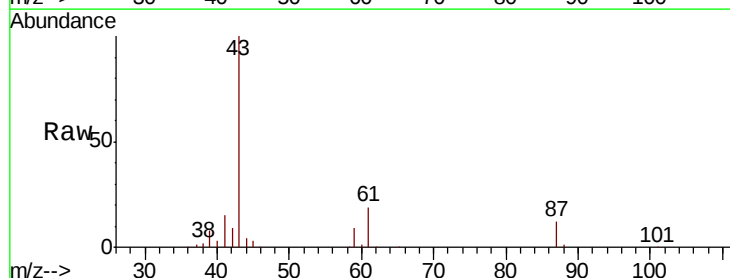
Delta R.T. 0.00 min

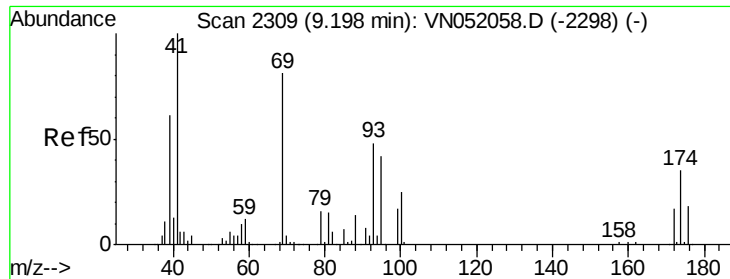
Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Tgt Ion: 43 Resp: 186258

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 18.2  | 15.4  | 23.0  |
| 87  | 11.9  | 9.8   | 14.8  |

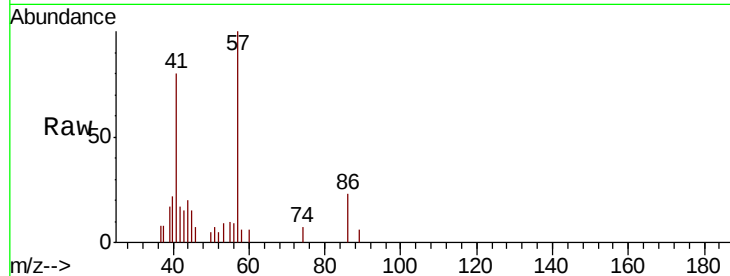




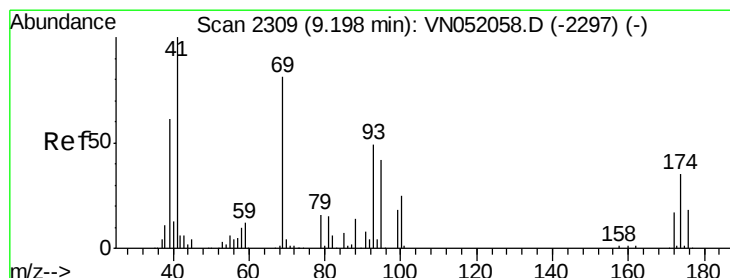
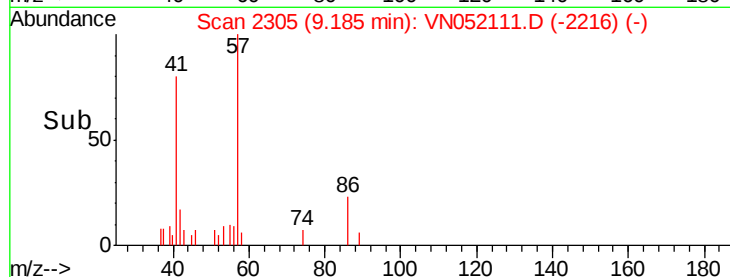
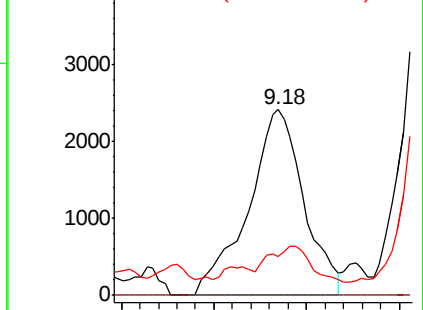
#48  
Methyl methacrylate  
Concen: 1.495 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. -0.01 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-4

Tgt Ion: 41 Resp: 5034  
Ion Ratio Lower Upper  
41 100  
69 0.0 67.1 100.7#  
39 14.7 50.5 75.7#

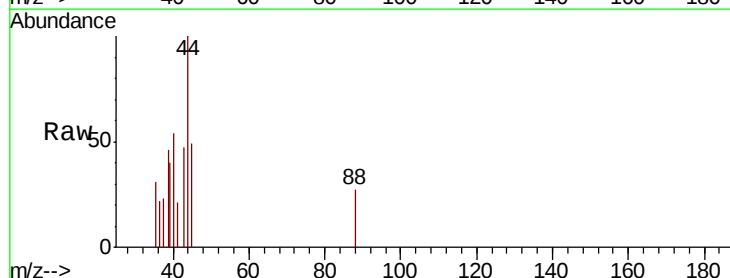


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

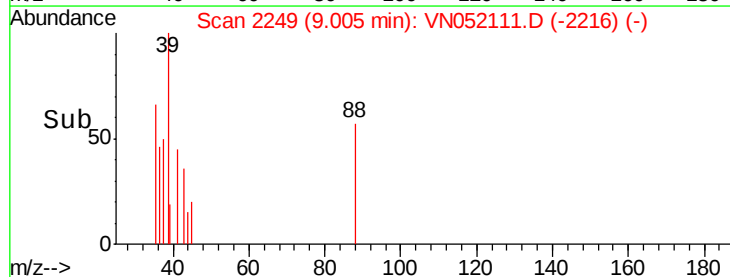
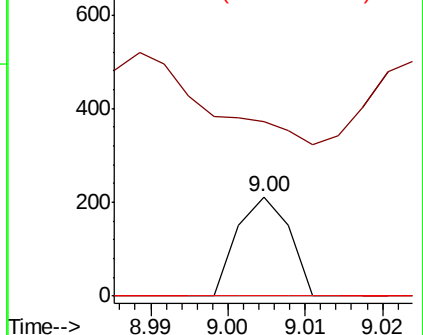


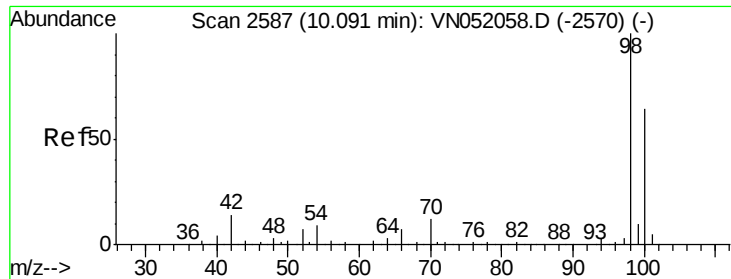
#49  
1,4-Dioxane  
Concen: 28.480 ug/l  
RT: 9.00 min Scan# 2249  
Delta R.T. -0.19 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

Tgt Ion: 88 Resp: 99  
Ion Ratio Lower Upper  
88 100  
43 0.0 34.1 51.1#  
58 0.0 62.8 94.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

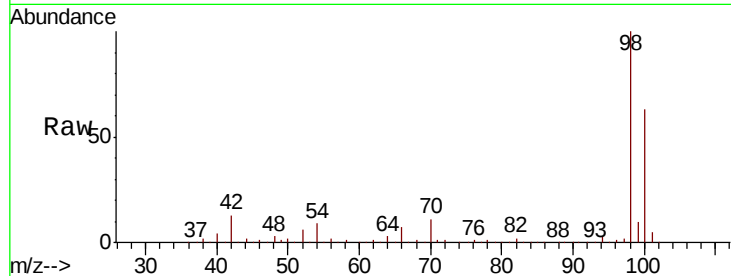




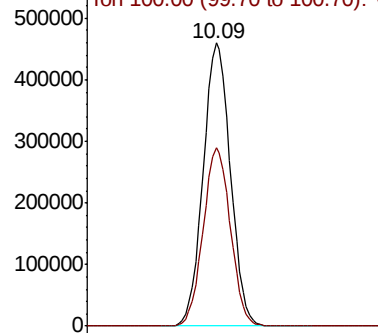
#50  
Toluene-d8  
Concen: 28.480 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-4

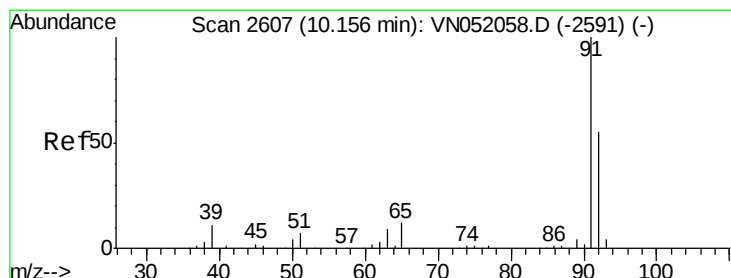
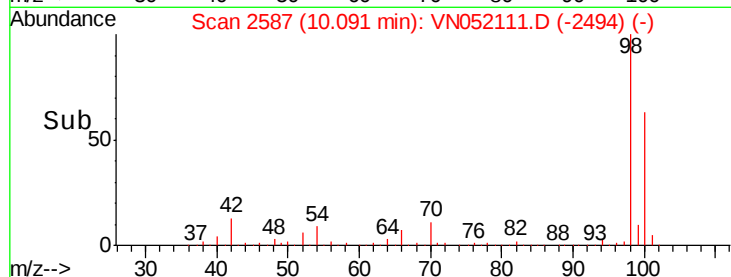
Tgt Ion: 98 Resp: 822107  
Ion Ratio Lower Upper  
98 100  
100 62.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052058.D (-2570) (-)  
Ion 100.00 (99.70 to 100.70): VN052111.D (-2494) (-)

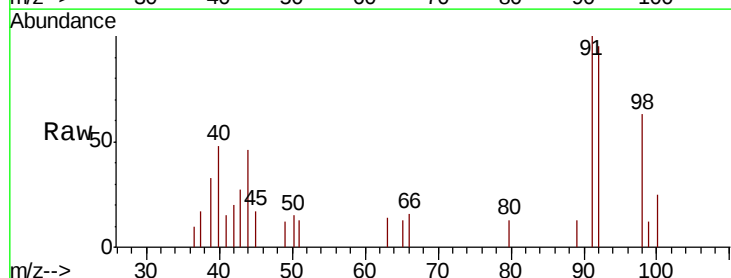


Time-->

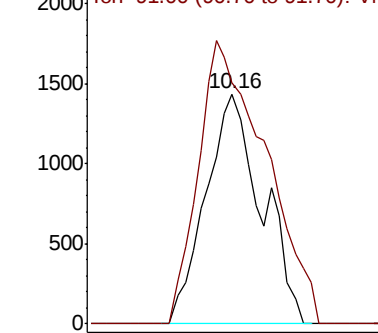


#52  
Toluene  
Concen: 0.235 ug/l  
RT: 10.16 min Scan# 2607  
Delta R.T. -0.00 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

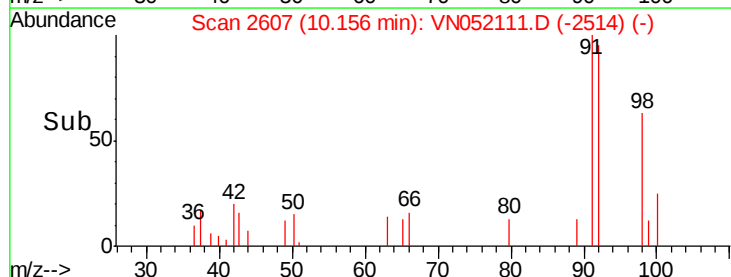
Tgt Ion: 92 Resp: 2287  
Ion Ratio Lower Upper  
92 100  
91 147.9 143.9 215.9

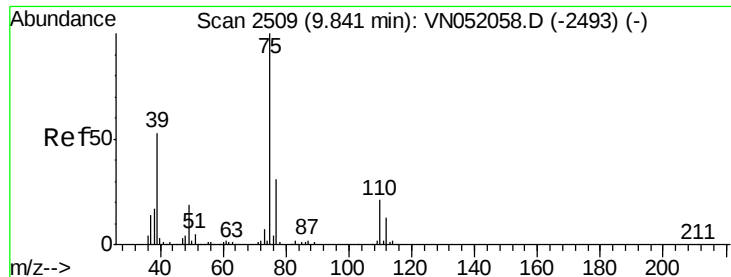


Abundance Ion 92.00 (91.70 to 92.70): VN052058.D (-2591) (-)  
Ion 91.00 (90.70 to 91.70): VN052111.D (-2514) (-)



Time-->

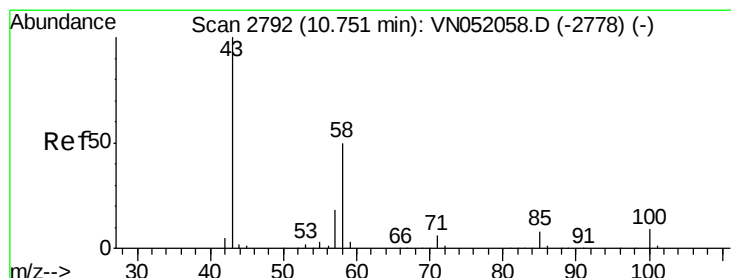
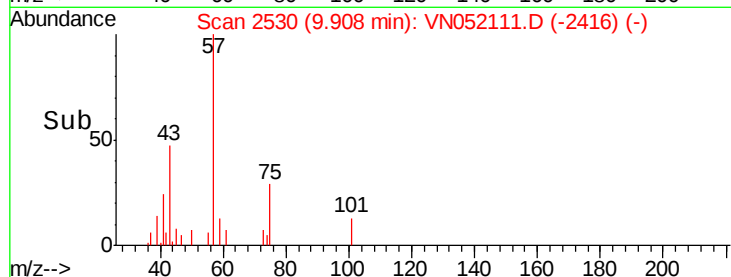
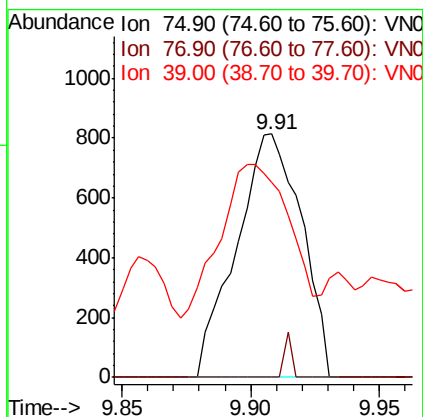
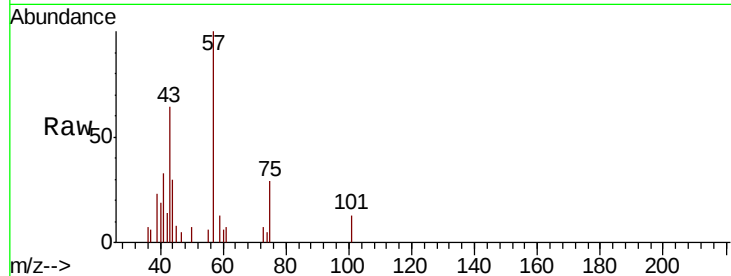




#54  
 cis-1,3-Dichloropropene  
 Concen: 0.228 ug/l  
 RT: 9.91 min Scan# 2530  
 Delta R.T. 0.07 min  
 Lab File: VN052111.D  
 Acq: 1 Nov 2018 18:56

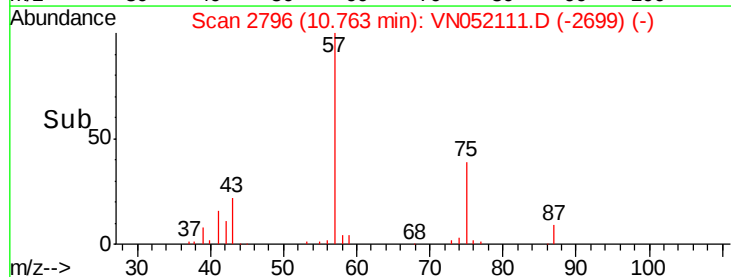
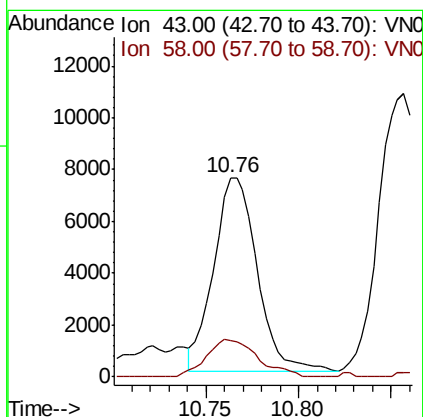
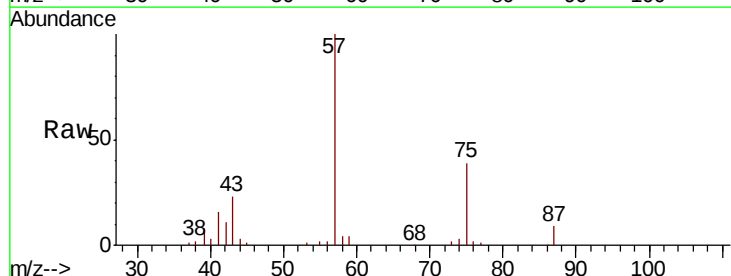
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-4

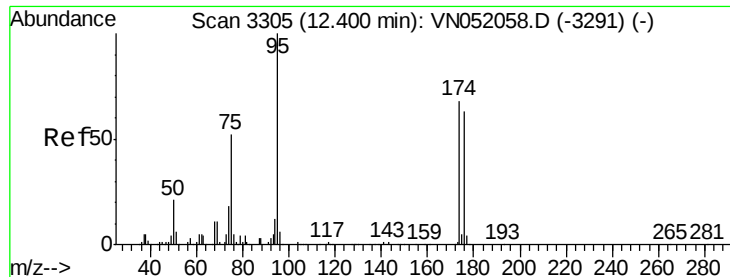
Tgt Ion: 75 Resp: 1436  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.0 37.4#  
 39 52.1 42.3 63.5



#59  
 2-Hexanone  
 Concen: 4.739 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.01 min  
 Lab File: VN052111.D  
 Acq: 1 Nov 2018 18:56

Tgt Ion: 43 Resp: 12191  
 Ion Ratio Lower Upper  
 43 100  
 58 22.9 25.2 75.6#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampled :

TP-4

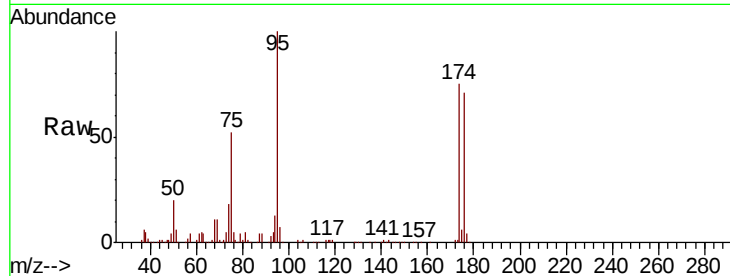
Tgt Ion: 95 Resp: 275118

Ion Ratio Lower Upper

95 100

174 72.8 0.0 131.8

176 69.3 0.0 126.0

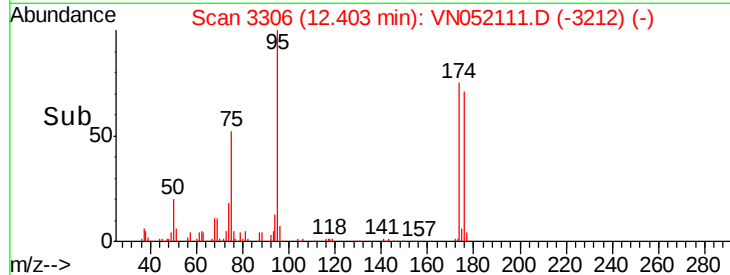


Abundance Ion 94.90 (94.60 to 95.60): VN052111.D (-3291) (-)

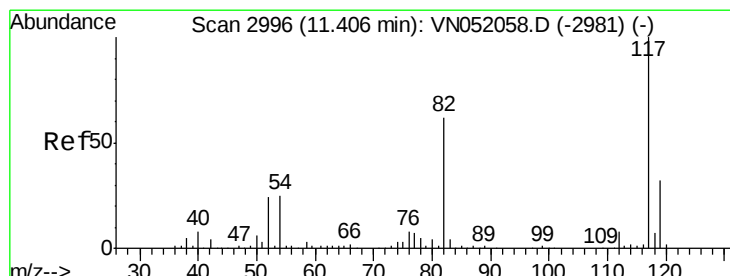
Ion 173.80 (173.50 to 174.50): VN052111.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052111.D (-3291) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

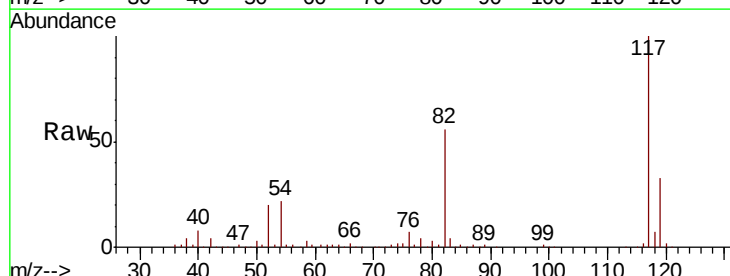
Tgt Ion: 117 Resp: 516290

Ion Ratio Lower Upper

117 100

82 55.7 49.9 74.9

119 32.6 25.7 38.5

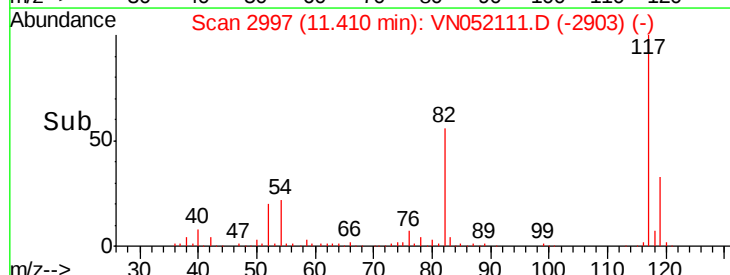


Abundance Ion 116.90 (116.60 to 117.60): VN052111.D (-2981) (-)

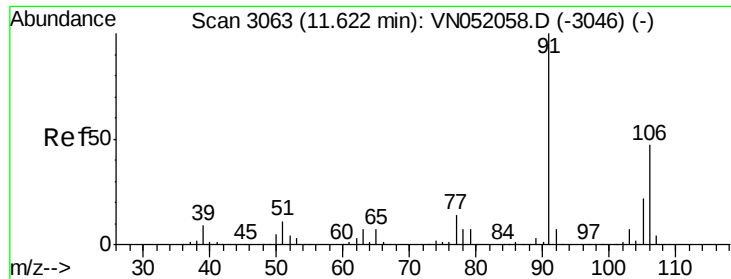
Ion 82.00 (81.70 to 82.70): VN052111.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052111.D (-2981) (-)

Time-->



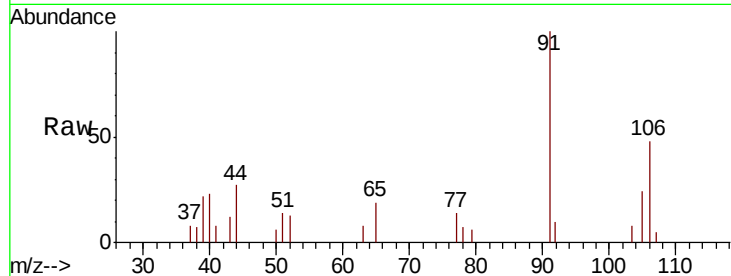
Time-->



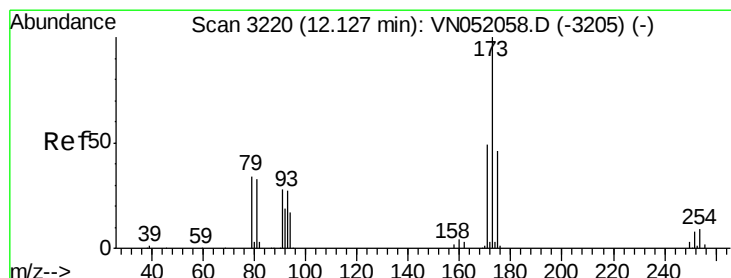
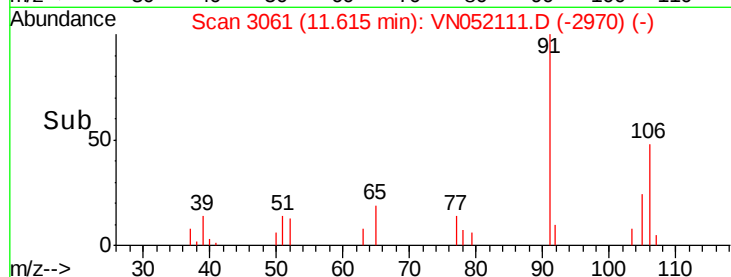
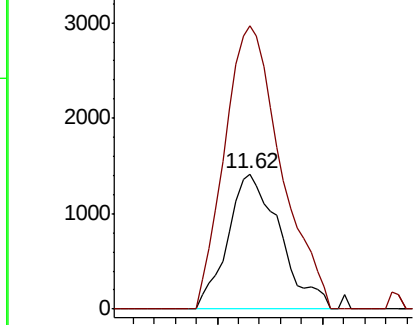
#68  
m/p-Xylenes  
Concen: 0.351 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.01 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-4

Tgt Ion:106 Resp: 2434  
Ion Ratio Lower Upper  
106 100  
91 225.6 168.7 253.1

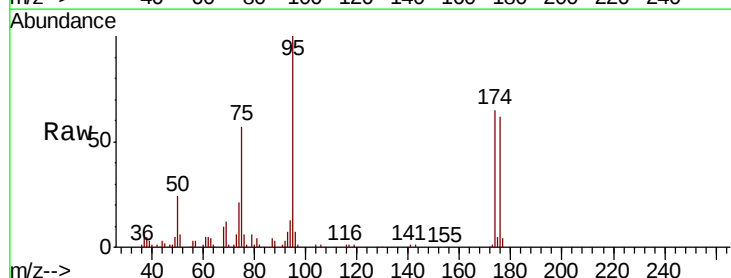


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

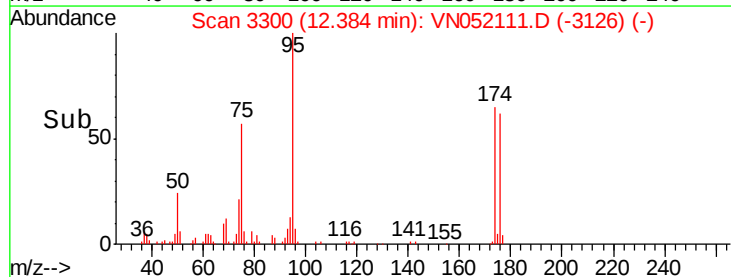
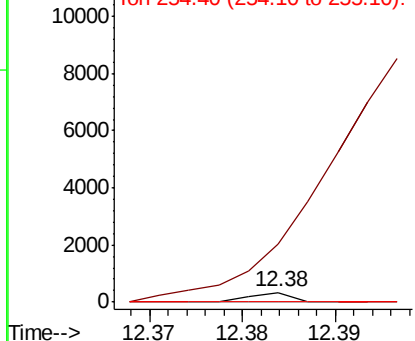


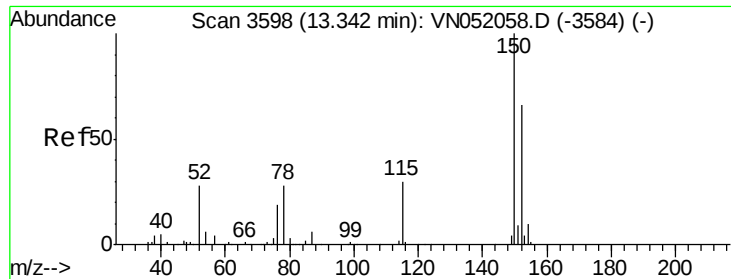
#71  
Bromoform  
Concen: 2.223 ug/l  
RT: 12.38 min Scan# 3300  
Delta R.T. 0.26 min  
Lab File: VN052111.D  
Acq: 1 Nov 2018 18:56

Tgt Ion:173 Resp: 103  
Ion Ratio Lower Upper  
173 100  
175 0.0 23.9 71.7#  
254 0.0 0.0 0.0



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: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampleId :

TP-4

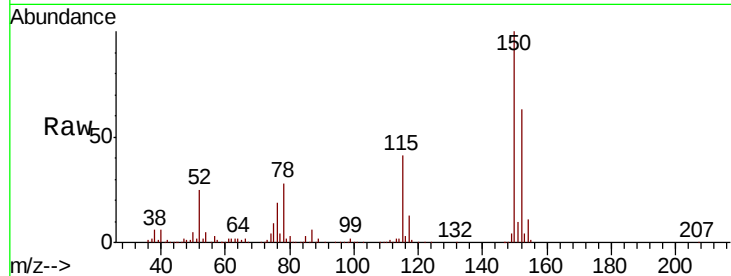
Tgt Ion:152 Resp: 207540

Ion Ratio Lower Upper

152 100

115 62.8 31.6 95.0

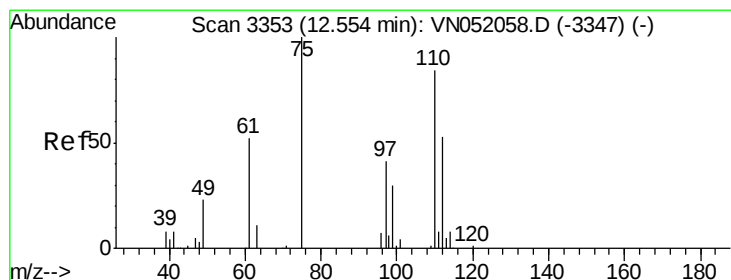
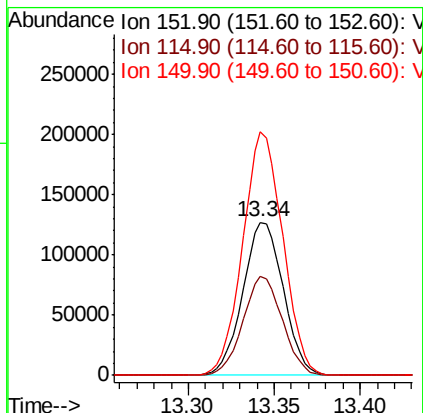
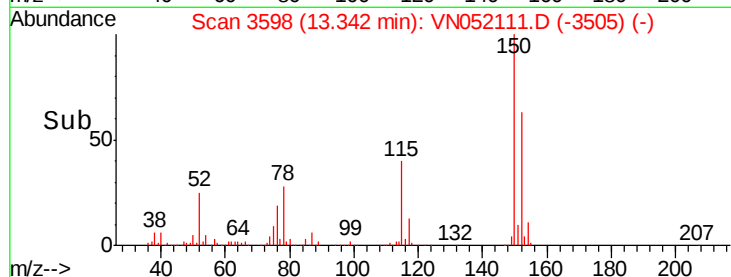
150 157.4 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 38.697 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052111.D

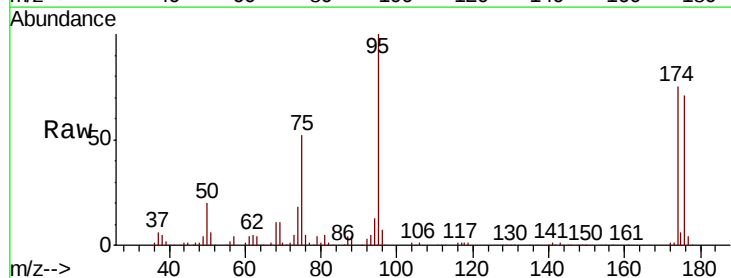
Acq: 1 Nov 2018 18:56

Tgt Ion: 75 Resp: 147015

Ion Ratio Lower Upper

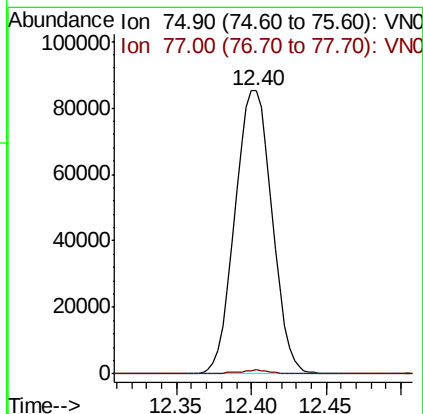
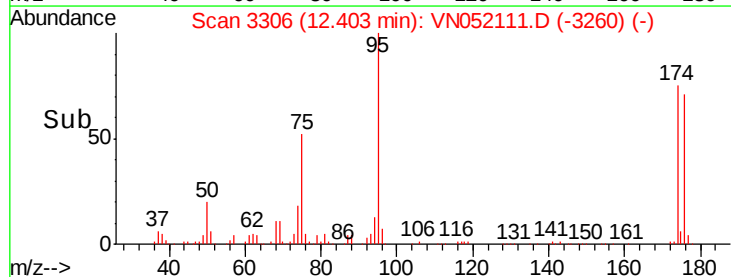
75 100

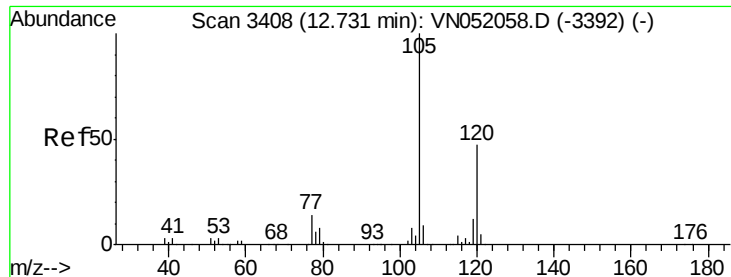
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.271 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampled :

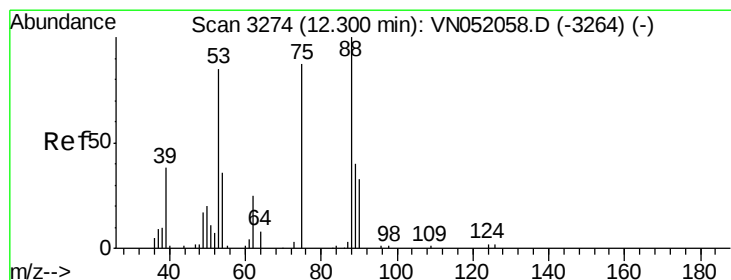
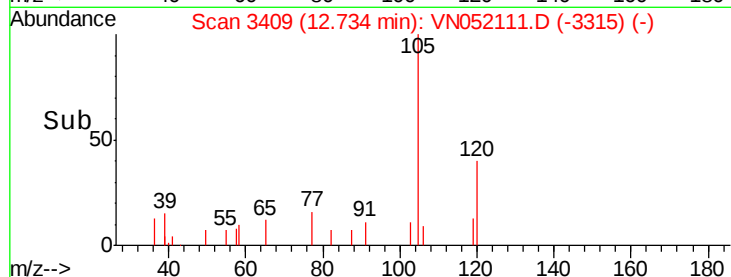
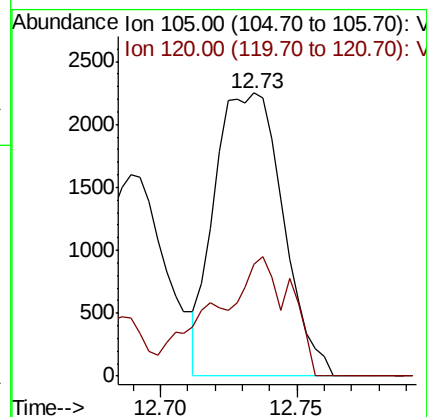
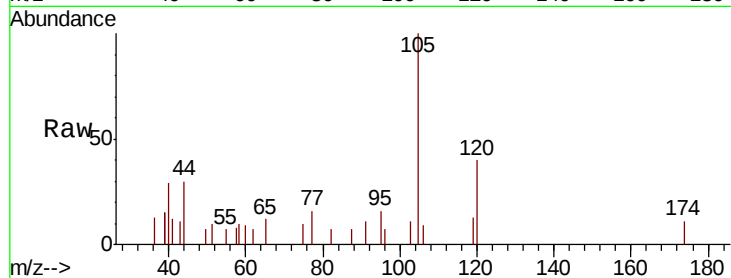
TP-4

Tgt Ion:105 Resp: 3907

Ion Ratio Lower Upper

105 100

120 30.2 23.4 70.0



#81

trans-1,4-Dichloro-2-butene

Concen: 128.442 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

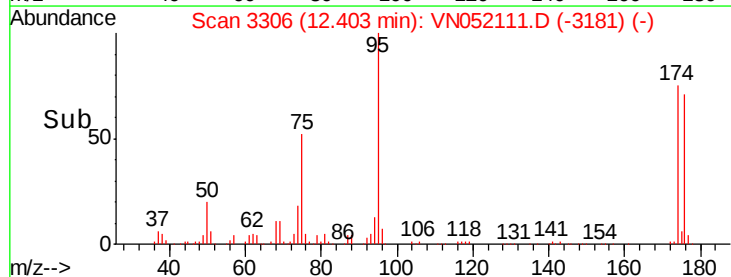
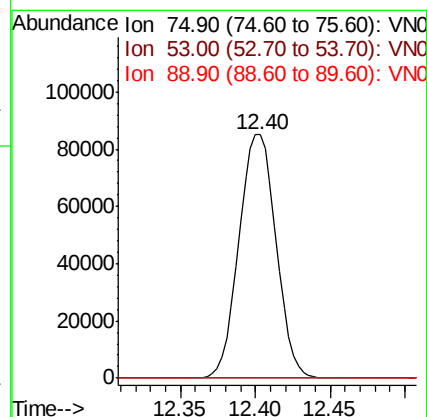
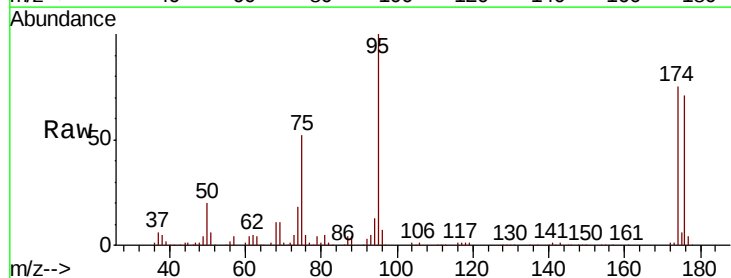
Tgt Ion: 75 Resp: 147015

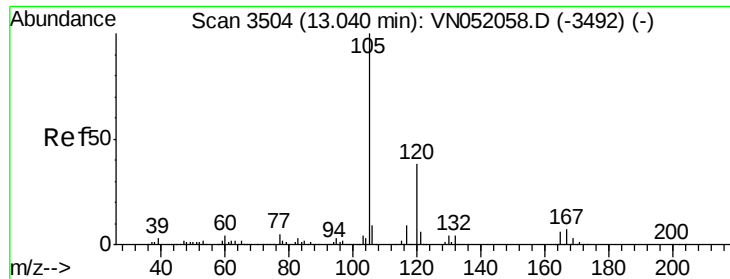
Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.6#

89 0.0 36.6 54.8#

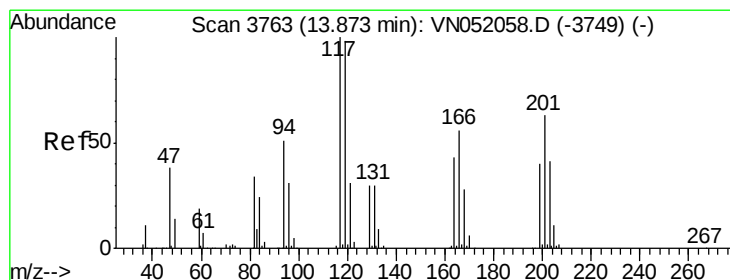
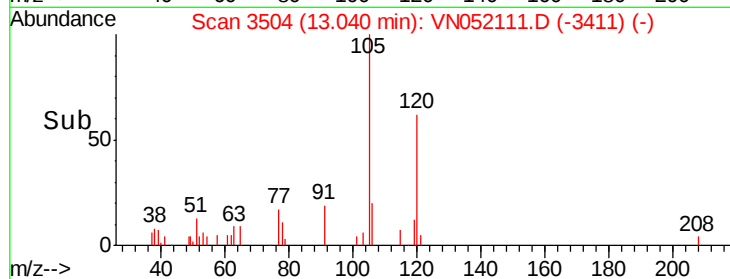
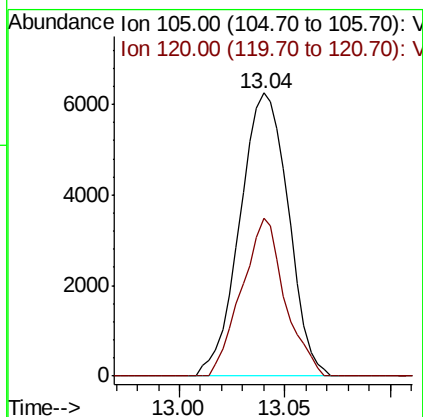
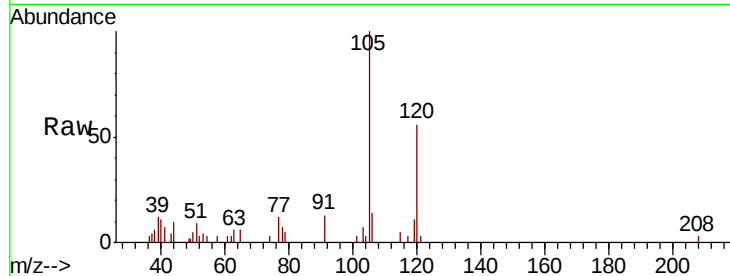




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.695 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN052111.D  
 Acq: 1 Nov 2018 18:56

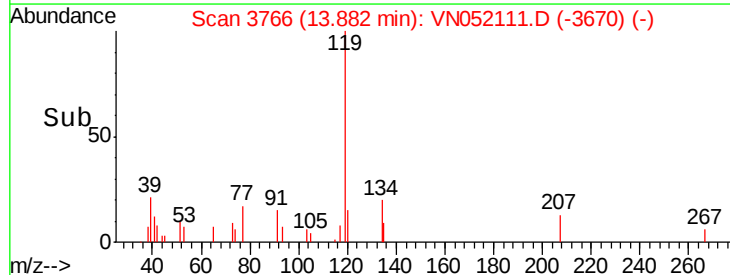
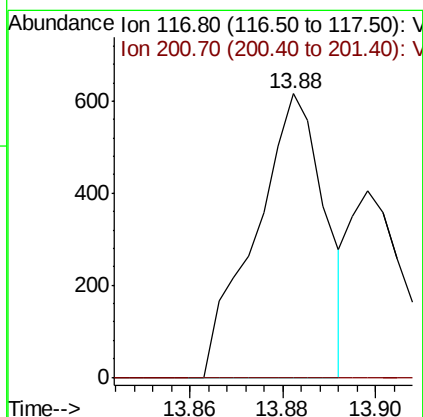
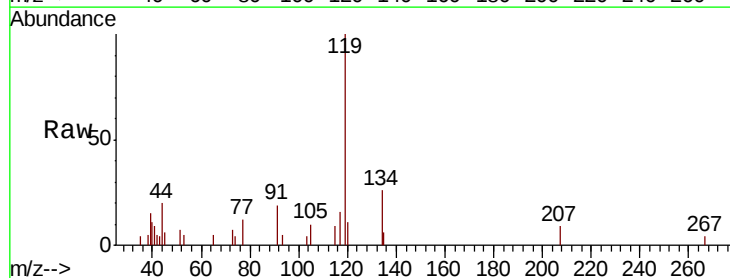
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-4

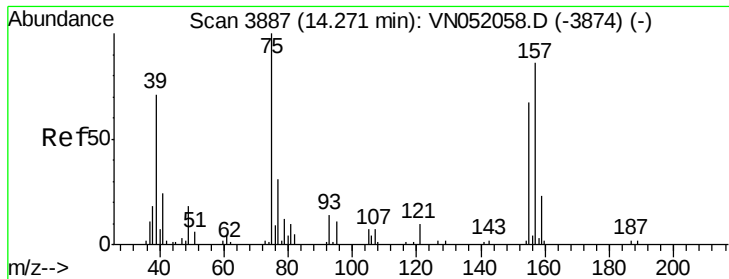
Tgt Ion:105 Resp: 9989  
 Ion Ratio Lower Upper  
 105 100  
 120 49.6 21.9 65.5



#90  
 Hexachloroethane  
 Concen: 0.265 ug/l  
 RT: 13.88 min Scan# 3766  
 Delta R.T. 0.01 min  
 Lab File: VN052111.D  
 Acq: 1 Nov 2018 18:56

Tgt Ion:117 Resp: 642  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 31.1 93.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.042 ug/l

RT: 14.20 min Scan# 3865

Delta R.T. -0.07 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampled :

TP-4

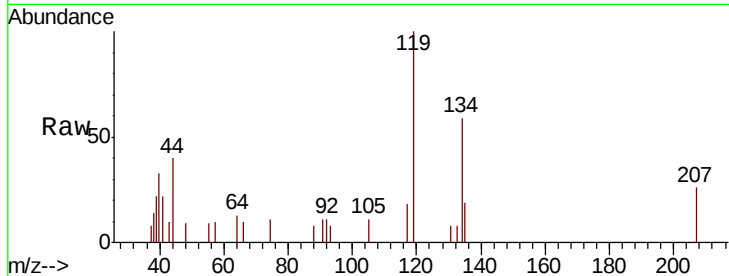
Tgt Ion: 75 Resp: 77

Ion Ratio Lower Upper

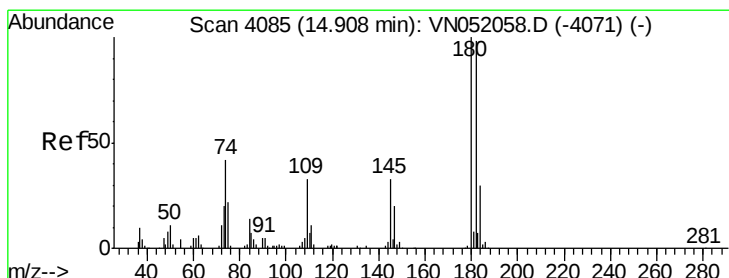
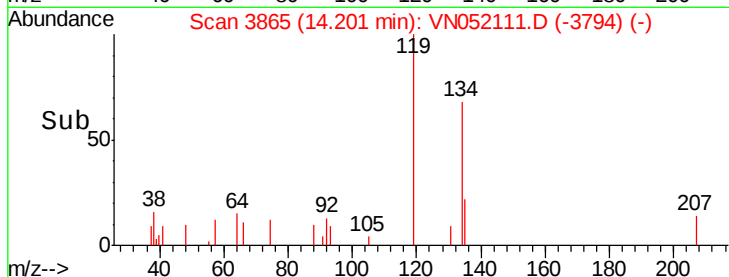
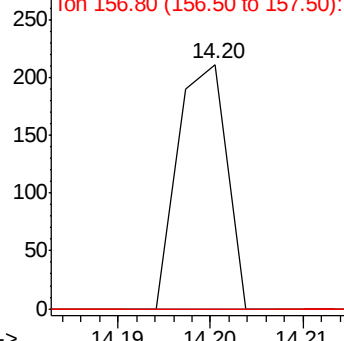
75 100

155 0.0 34.0 102.0#

157 0.0 42.1 126.4#



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-3874) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.291 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

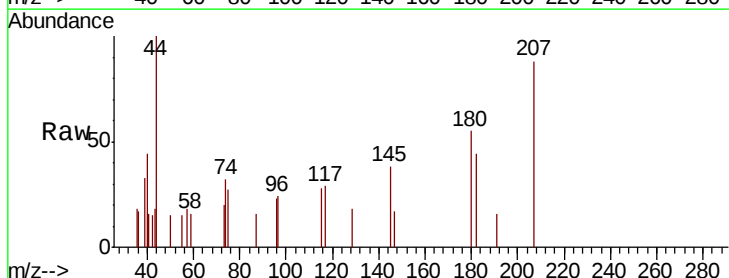
Tgt Ion: 180 Resp: 689

Ion Ratio Lower Upper

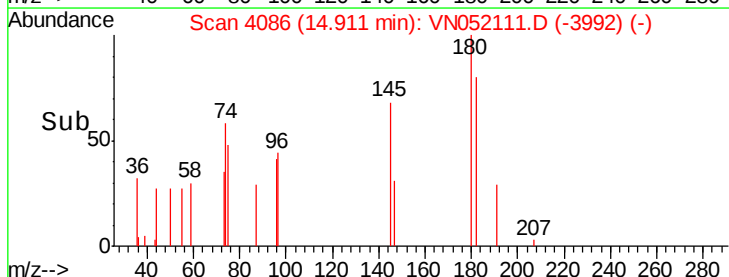
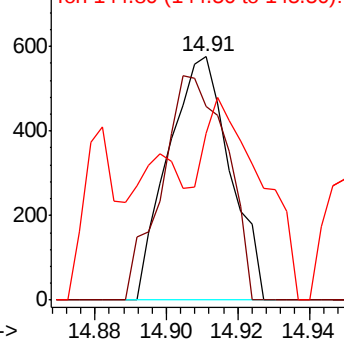
180 100

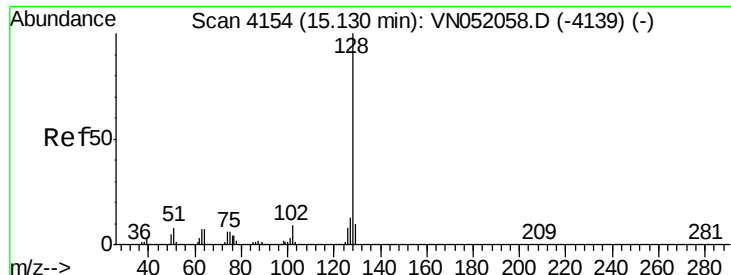
182 97.1 49.1 147.4

145 84.0 16.4 49.2#



Abundance Ion 179.80 (179.50 to 180.50): VN052058.D (-4071) (-)





#95

Naphthalene

Concen: 27.066 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052111.D

Acq: 1 Nov 2018 18:56

Instrument :

MSVOA\_N

ClientSampleId :

TP-4

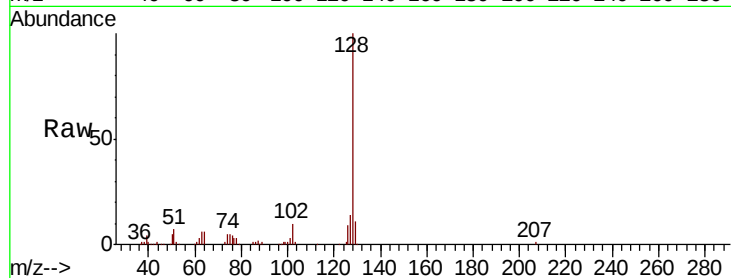
Tgt Ion:128 Resp: 160952

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

129 10.9 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

