

Data Path : W:\HPCHEM1\MSVOA\_N\DATA\VN012418\  
 Data File : VN046544.D  
 Acq On : 24 Jan 2018 13:52  
 Operator : MD\SY  
 Sample : J1262-01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BELL-0118

Quant Time: Jan 25 03:09:19 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_N\METHODS\624N012418W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Jan 24 12:28:49 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.20  | 128  | 37735    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.59  | 114  | 238919   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 199860   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.03   | 65    | 104227   | 30.48    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 101.60% |
| 60) 4-Bromofluorobenzene  | 12.41  | 95    | 99622    | 27.84    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 92.80%  |
| 63) Toluene-d8            | 10.09  | 98    | 298489   | 30.93    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 103.10% |

## Target Compounds

|                              |       |     |       |       |        | Qvalue |
|------------------------------|-------|-----|-------|-------|--------|--------|
| 4) Vinyl Chloride            | 2.18  | 62  | 48231 | 12.68 | ug/l   | 100    |
| 10) 1,1-Dichloroethene       | 3.73  | 96  | 628   | 0.25  | ug/l # | 35     |
| 13) Acrolein                 | 3.66  | 56  | 92    | 0.26  | ug/l   | 93     |
| 14) Acrylonitrile            | 5.00  | 53  | 263   | 0.22  | ug/l # | 49     |
| 15) Acetone                  | 3.82  | 58  | 2494  | 6.93  | ug/l   | 74     |
| 16) Carbon Disulfide         | 4.04  | 76  | 2967  | 0.35  | ug/l   | 100    |
| 19) trans-1,2-Dichloroethene | 5.03  | 96  | 4974  | 1.89  | ug/l   | 86     |
| 22) cis-1,2-Dichloroethene   | 6.83  | 96  | 77053 | 25.19 | ug/l   | 87     |
| 23) tert-Butyl Alcohol       | 4.76  | 59  | 98    | 0.34  | ug/l # | 100    |
| 24) Methyl tert-Butyl Ether  | 5.05  | 73  | 31891 | 3.88  | ug/l # | 77     |
| 30) 2-Butanone               | 6.84  | 43  | 883   | 0.55  | ug/l # | 46     |
| 34) Benzene                  | 8.04  | 78  | 4533  | 0.36  | ug/l # | 1      |
| 36) 1,2-Dichloroethane       | 8.12  | 62  | 1418  | 0.32  | ug/l # | 76     |
| 37) Trichloroethene          | 8.84  | 130 | 695   | 0.25  | ug/l   | 83     |
| 43) Ethyl Acetate            | 6.84  | 43  | 883   | 0.28  | ug/l   | 95     |
| 58) 4-Methyl-2-Pentanone     | 9.99  | 43  | 1704  | 0.55  | ug/l # | 88     |
| 59) 2-Hexanone               | 10.76 | 43  | 928   | 0.43  | ug/l # | 78     |
| 66) Ethyl Benzene            | 11.52 | 91  | 2981  | 0.22  | ug/l   | 96     |
| 67) m/p-Xylenes              | 11.63 | 106 | 2284  | 0.47  | ug/l   | 94     |
| 69) Styrene                  | 11.97 | 104 | 1661  | 0.21  | ug/l   | 94     |
| 74) n-propylbenzene          | 12.60 | 91  | 3846  | 0.25  | ug/l   | 94     |
| 75) 2-Chlorotoluene          | 12.68 | 91  | 1839  | 0.20  | ug/l   | 85     |
| 77) t-1,4-Dichloro-2-butene  | 12.41 | 75  | 51934 | 51.82 | ug/l # | 13     |
| 78) 4-Chlorotoluene          | 12.78 | 91  | 2847  | 0.31  | ug/l   | 93     |
| 80) 1,2,4-Trimethylbenzene   | 13.05 | 105 | 3195  | 0.30  | ug/l # | 83     |
| 81) sec-Butylbenzene         | 13.18 | 105 | 2828  | 0.22  | ug/l   | 88     |
| 82) p-Isopropyltoluene       | 13.30 | 119 | 3814  | 0.36  | ug/l   | 97     |
| 83) 1,3-Dichlorobenzene      | 13.29 | 146 | 1516  | 0.31  | ug/l   | 95     |
| 84) 1,4-Dichlorobenzene      | 13.37 | 146 | 1680  | 0.35  | ug/l   | 100    |
| 85) n-Butylbenzene           | 13.62 | 91  | 3917  | 0.36  | ug/l   | 95     |
| 87) 1,2-Dichlorobenzene      | 13.66 | 146 | 1085  | 0.23  | ug/l   | 92     |
| 89) 1,2,4-Trichlorobenzene   | 14.92 | 180 | 1148  | 0.42  | ug/l   | 94     |
| 90) Hexachlorobutadiene      | 15.02 | 225 | 1052  | 0.72  | ug/l   | 94     |
| 91) Naphthalene              | 15.14 | 128 | 4778  | 0.73  | ug/l   | 97     |
| 92) 1,2,3-Trichlorobenzene   | 15.32 | 180 | 1424  | 0.54  | ug/l   | 97     |

Data Path : W:\HPCHEM1\MSVOA\_N\DATA\VN012418\  
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Acq On : 24 Jan 2018 13:52  
Operator : MD\SY  
Sample : J1262-01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

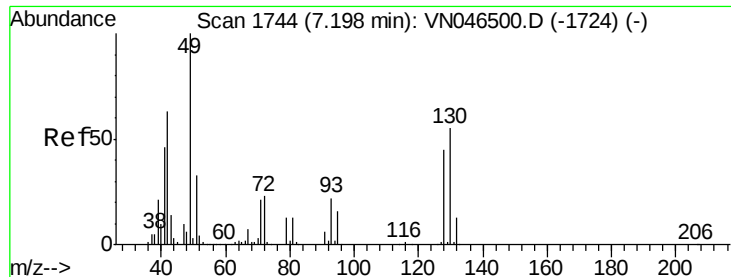
Instrument :  
MSVOA\_N  
ClientSampleId :  
BELL-0118

Quant Time: Jan 25 03:09:19 2018  
Quant Method : W:\HPCHEM1\MSVOA\_N\METHODS\624N012418W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Jan 24 12:28:49 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

BELL-0118

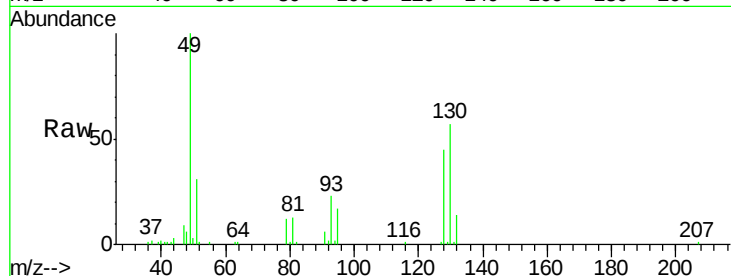
Tgt Ion:128 Resp: 37735

Ion Ratio Lower Upper

128 100

49 222.1 0.0 566.8

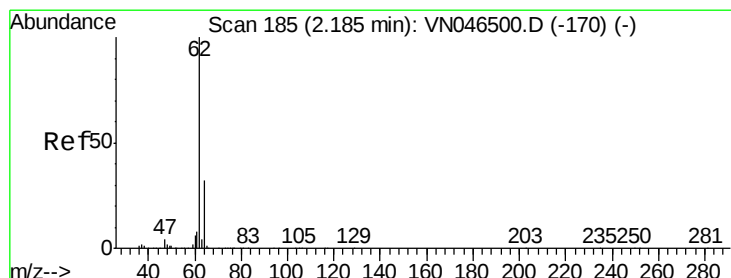
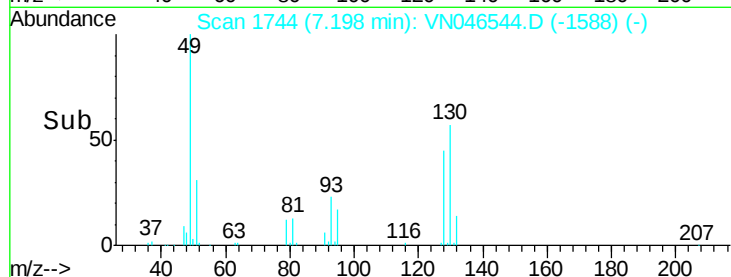
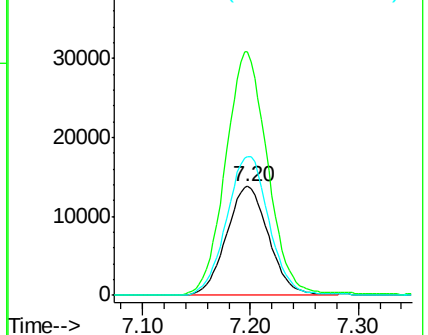
130 128.1 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#4

Vinyl Chloride

Concen: 12.68 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN046544.D

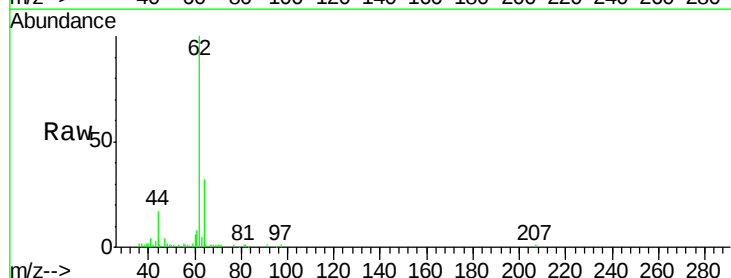
Acq: 24 Jan 2018 13:52

Tgt Ion: 62 Resp: 48231

Ion Ratio Lower Upper

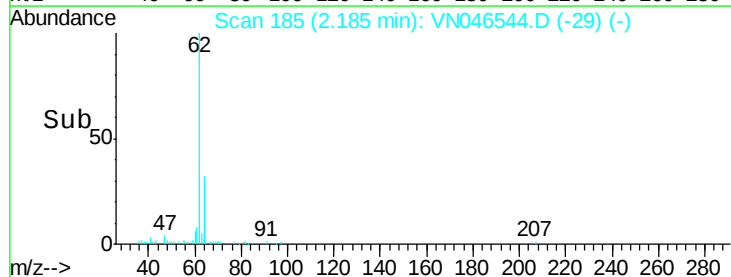
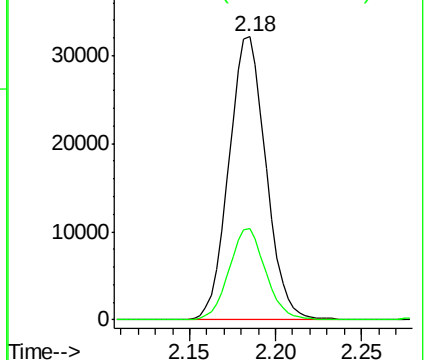
62 100

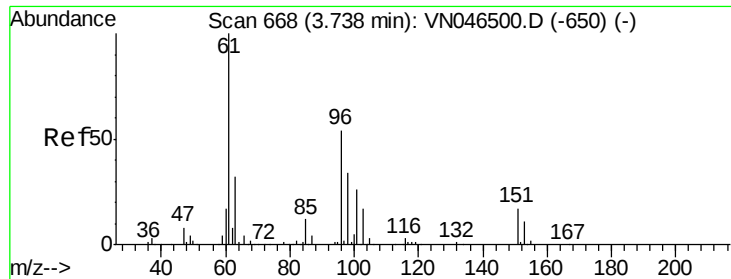
64 32.1 25.5 38.3



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

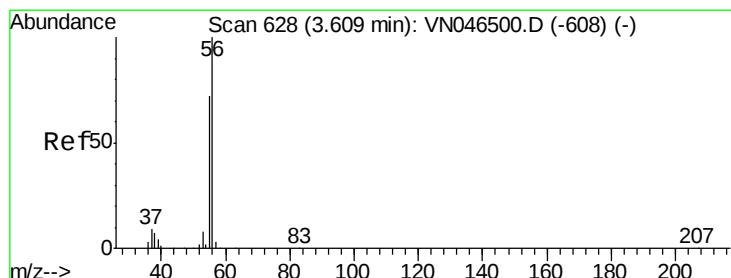
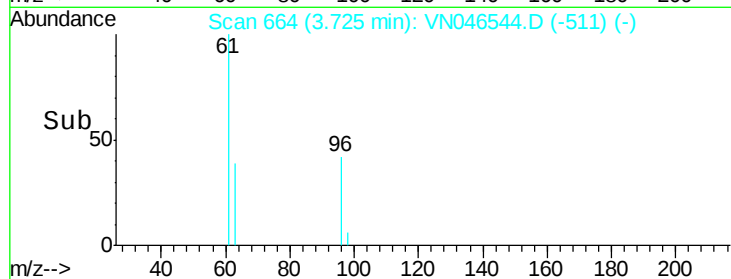
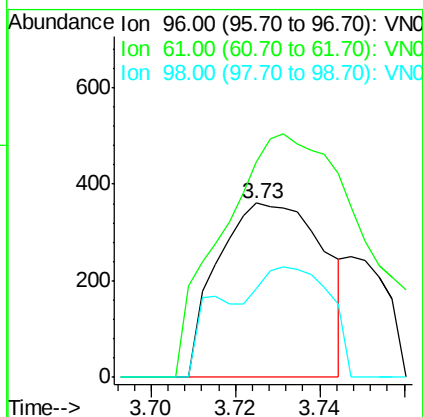
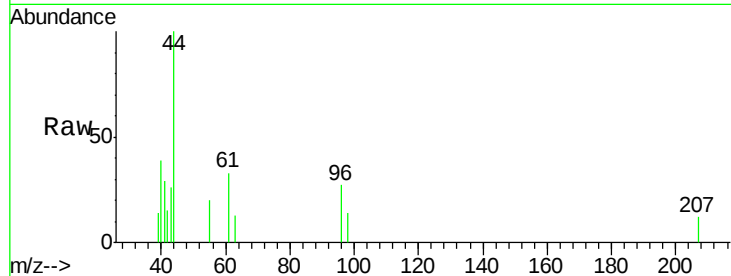




#10  
 1,1-Dichloroethene  
 Concen: 0.25 ug/l  
 RT: 3.73 min Scan# 664  
 Delta R.T. -0.01 min  
 Lab File: VN046544.D  
 Acq: 24 Jan 2018 13:52

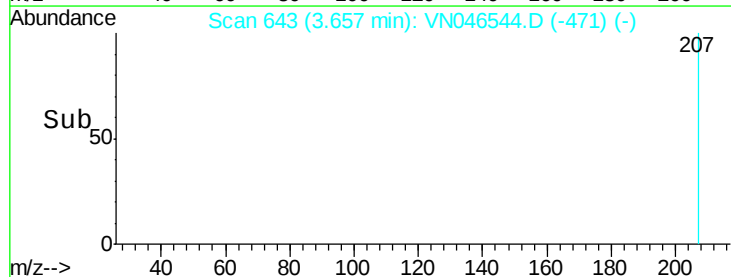
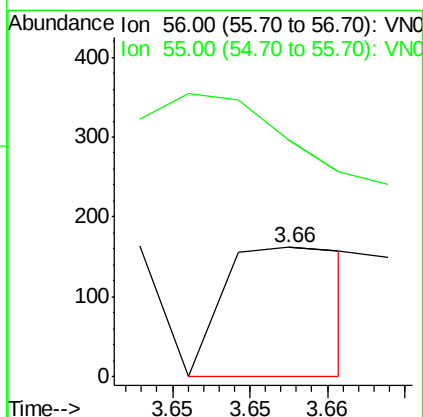
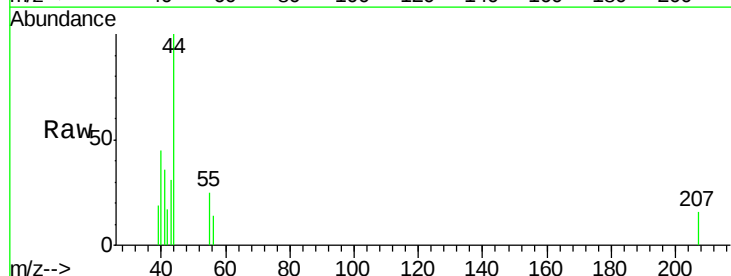
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BELL-0118

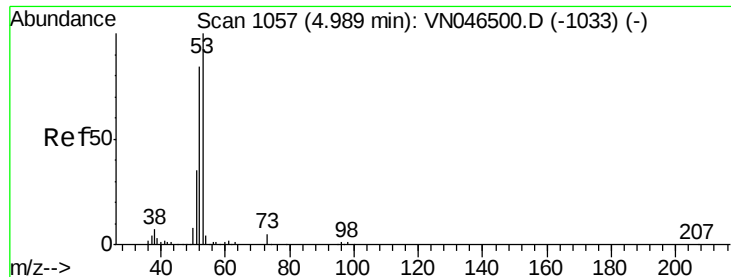
Tgt Ion: 96 Resp: 628  
 Ion Ratio Lower Upper  
 96 100  
 61 71.5 152.4 228.6#  
 98 51.0 51.3 76.9#



#13  
 Acrolein  
 Concen: 0.26 ug/l  
 RT: 3.66 min Scan# 643  
 Delta R.T. 0.05 min  
 Lab File: VN046544.D  
 Acq: 24 Jan 2018 13:52

Tgt Ion: 56 Resp: 92  
 Ion Ratio Lower Upper  
 56 100  
 55 79.3 58.9 88.3





#14

Acrylonitrile

Concen: 0.22 ug/l

RT: 5.00 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

BELL-0118

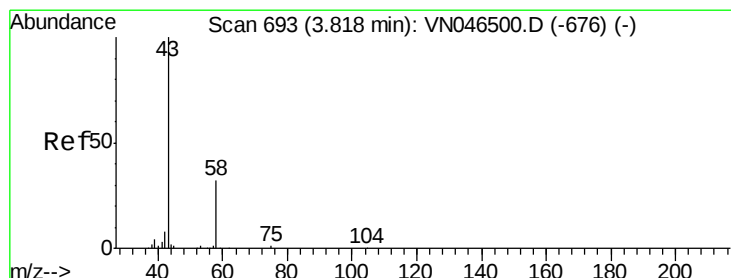
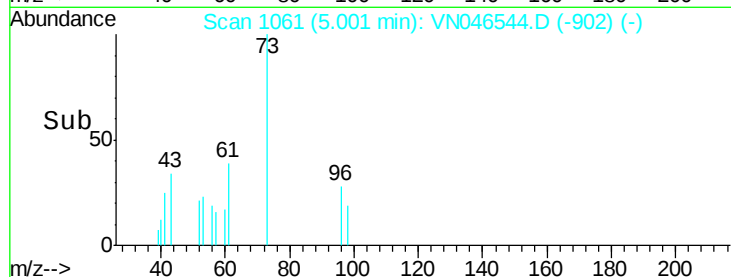
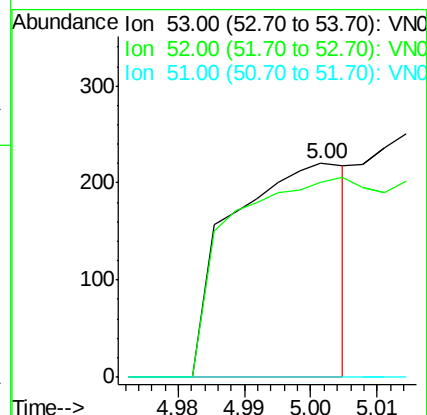
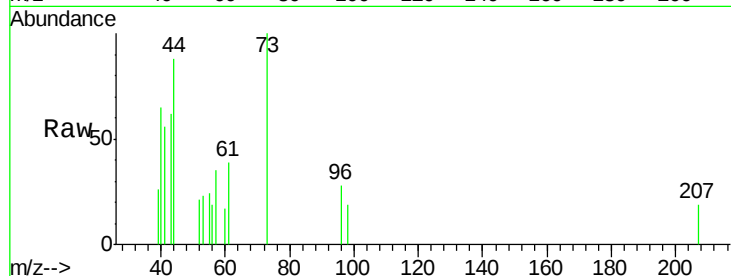
Tgt Ion: 53 Resp: 263

Ion Ratio Lower Upper

53 100

52 122.8 40.9 122.7#

51 0.0 18.1 54.1#



#15

Acetone

Concen: 6.93 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN046544.D

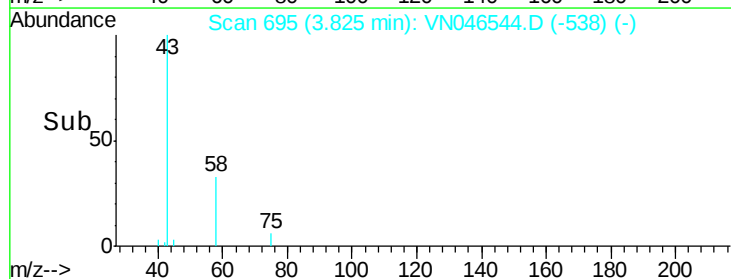
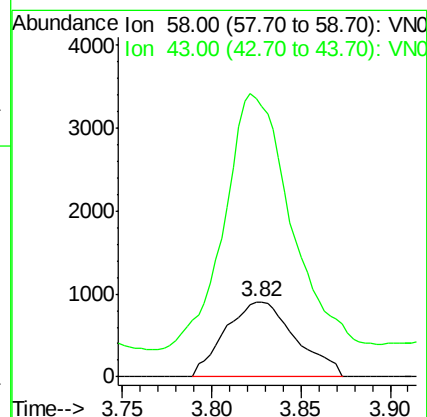
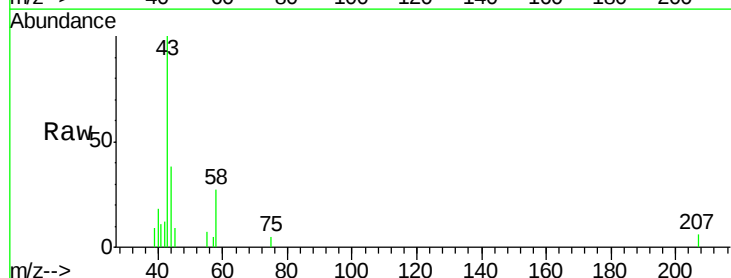
Acq: 24 Jan 2018 13:52

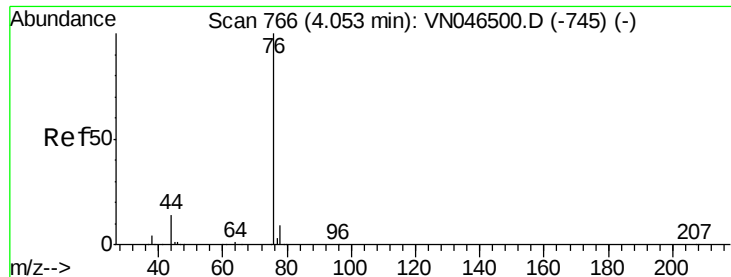
Tgt Ion: 58 Resp: 2494

Ion Ratio Lower Upper

58 100

43 298.6 285.3 427.9





#16

Carbon Disulfide

Concen: 0.35 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.01 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

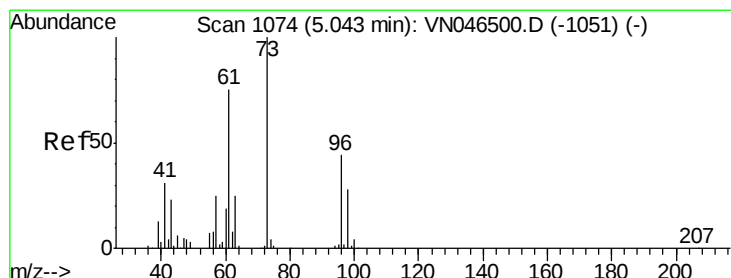
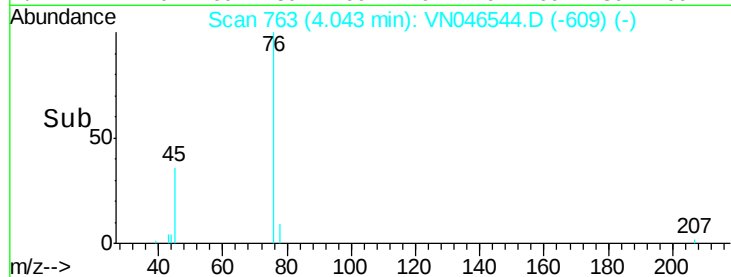
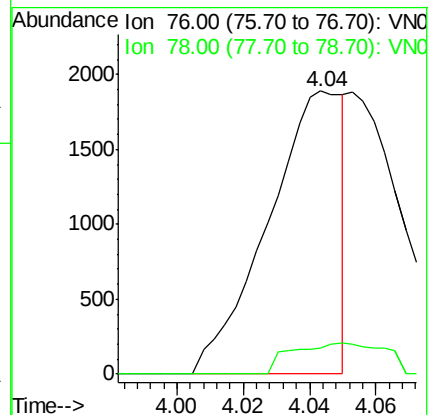
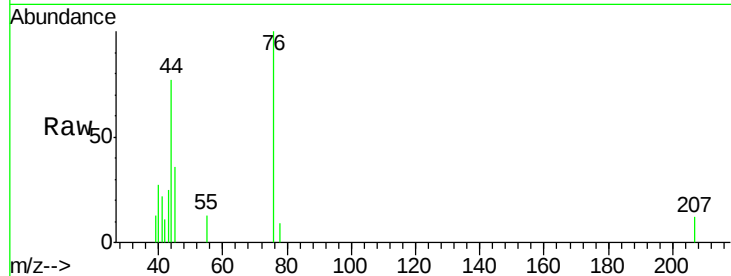
BELL-0118

Tgt Ion: 76 Resp: 2967

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



#19

trans-1,2-Dichloroethene

Concen: 1.89 ug/l

RT: 5.03 min Scan# 1071

Delta R.T. -0.01 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

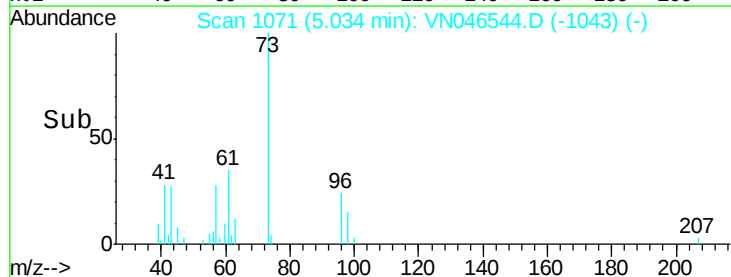
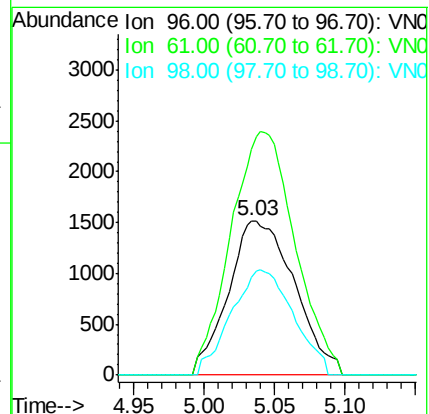
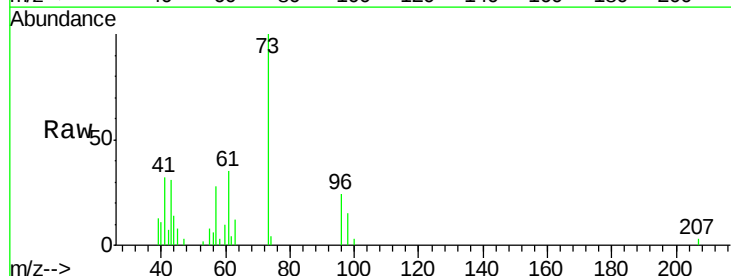
Tgt Ion: 96 Resp: 4974

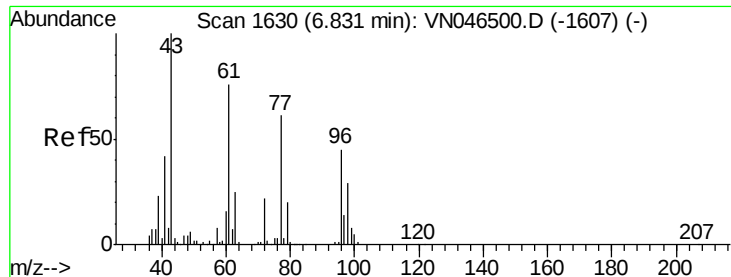
Ion Ratio Lower Upper

96 100

61 146.2 137.3 205.9

98 63.4 52.3 78.5





#22

cis-1,2-Dichloroethene

Concen: 25.19 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

BELL-0118

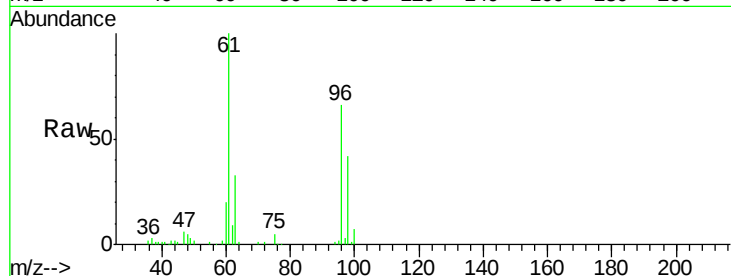
Tgt Ion: 96 Resp: 77053

Ion Ratio Lower Upper

96 100

61 151.3 141.3 211.9

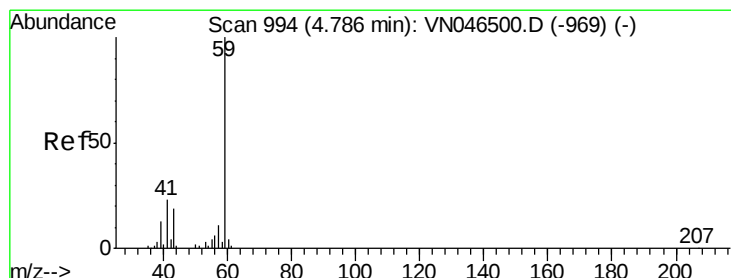
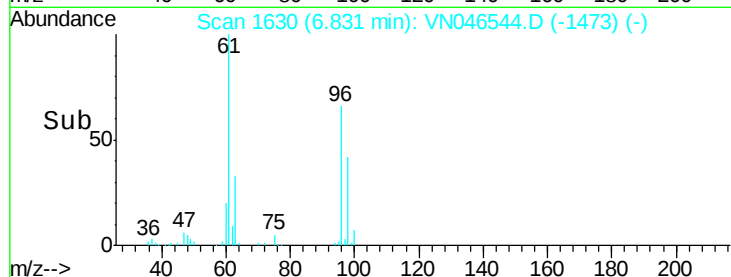
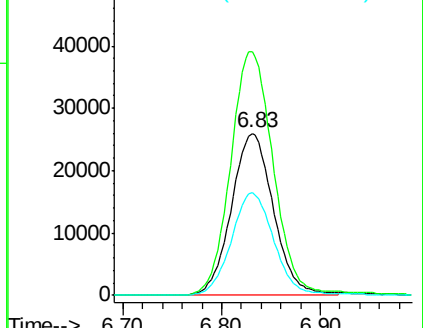
98 63.6 51.0 76.6



Abundance Ion 96.00 (95.70 to 96.70): VN046544.D (-1473) (-)

Ion 61.00 (60.70 to 61.70): VN046544.D (-1473) (-)

Ion 98.00 (97.70 to 98.70): VN046544.D (-1473) (-)



#23

tert-Butyl Alcohol

Concen: 0.34 ug/l

RT: 4.76 min Scan# 985

Delta R.T. -0.04 min

Lab File: VN046544.D

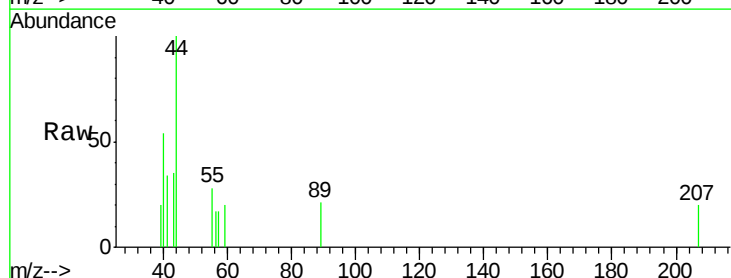
Acq: 24 Jan 2018 13:52

Tgt Ion: 59 Resp: 98

Ion Ratio Lower Upper

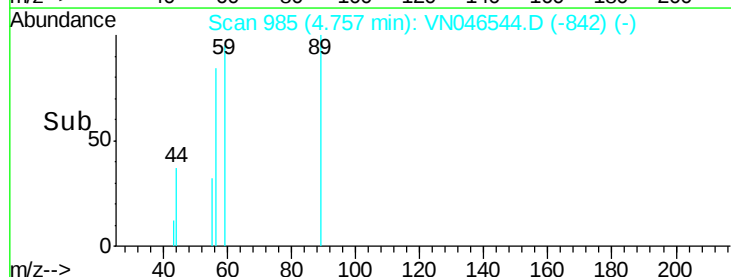
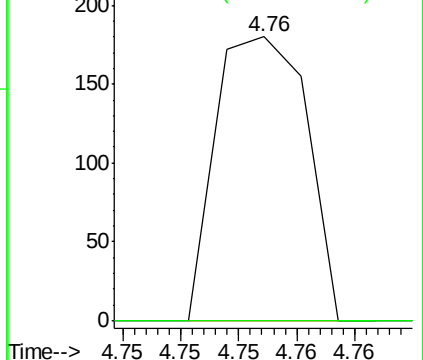
59 100

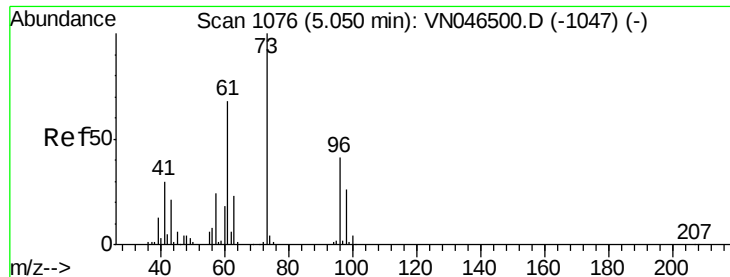
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN046544.D (-842) (-)

Ion 52.00 (51.70 to 52.70): VN046544.D (-842) (-)





#24

Methyl tert-Butyl Ether

Concen: 3.88 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

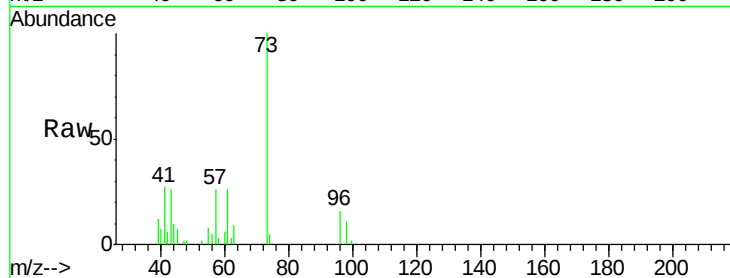
BELL-0118

Tgt Ion: 73 Resp: 31891

Ion Ratio Lower Upper

73 100

43 12.5 19.0 28.6#



Abundance Ion 73.00 (72.70 to 73.70): VN046500.D (-1047) (-)

Ion 43.00 (42.70 to 43.70): VN046500.D (-1047) (-)

5.05

8000

6000

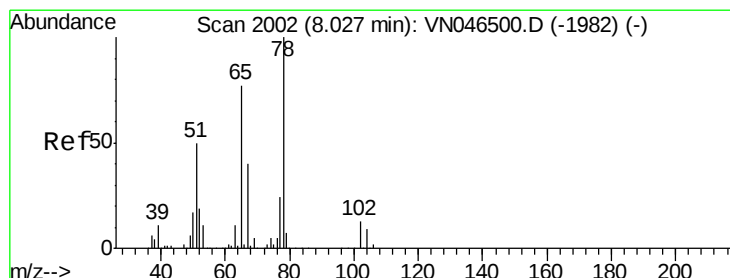
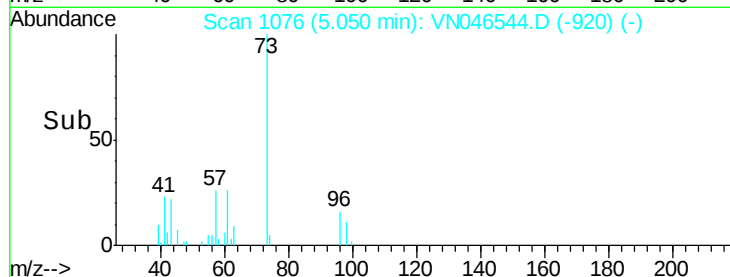
4000

2000

0

Time-->

5.00 5.10



#27

1,2-Dichloroethane-d4

Concen: 30.48 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN046544.D

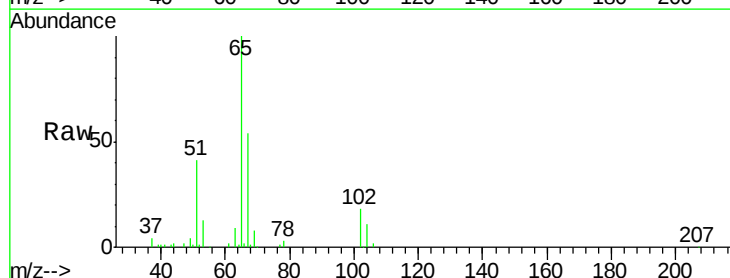
Acq: 24 Jan 2018 13:52

Tgt Ion: 65 Resp: 104227

Ion Ratio Lower Upper

65 100

67 54.1 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN046500.D (-1982) (-)

Ion 67.00 (66.70 to 67.70): VN046500.D (-1982) (-)

8.03

50000

40000

30000

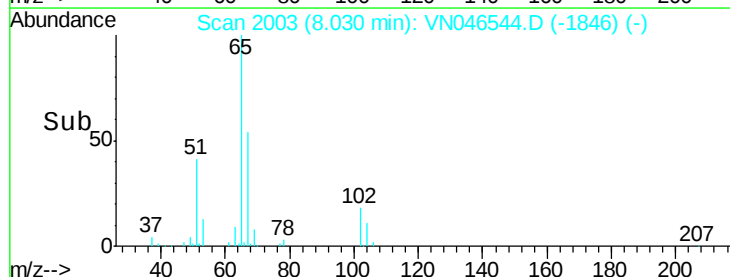
20000

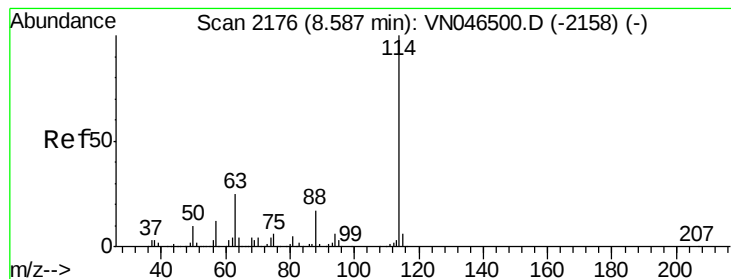
10000

0

Time-->

7.95 8.00 8.05 8.10





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

BELL-0118

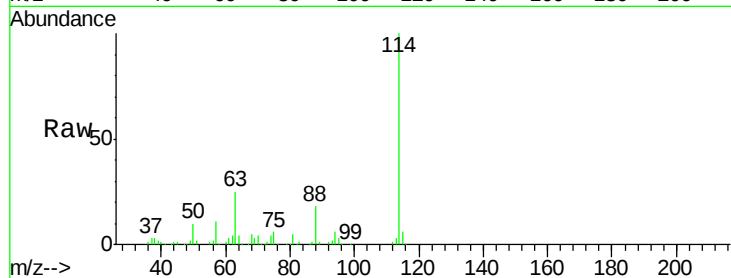
Tgt Ion: 114 Resp: 238919

Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.4

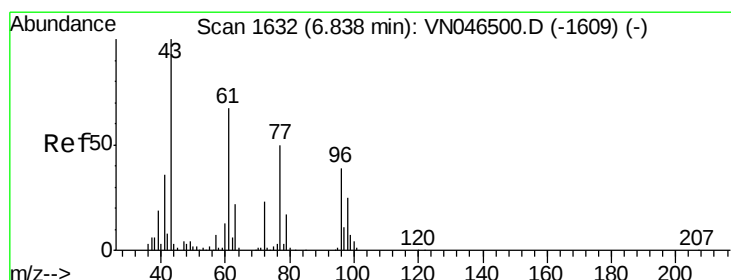
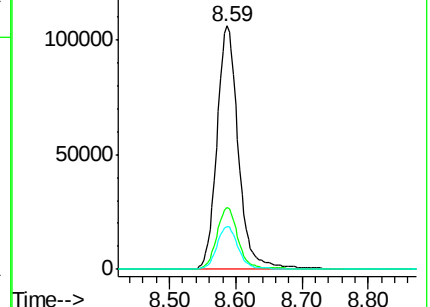
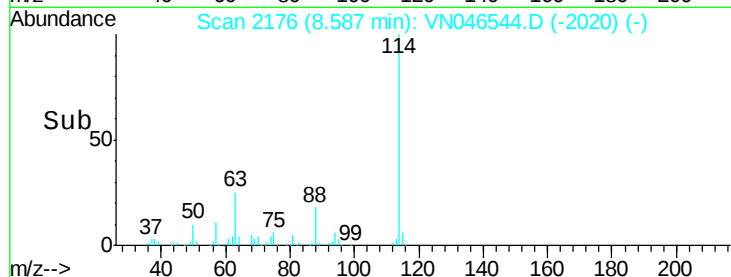
88 17.7 14.2 21.2



Abundance Ion 114.00 (113.70 to 114.70): VN046500.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN046500.D (-2158) (-)

Ion 88.00 (87.70 to 88.70): VN046500.D (-2158) (-)



#30

2-Butanone

Concen: 0.55 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

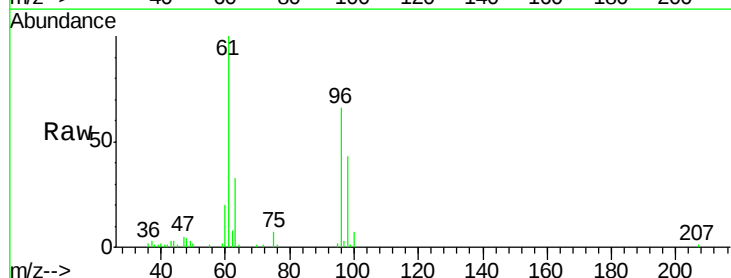
Tgt Ion: 43 Resp: 883

Ion Ratio Lower Upper

43 100

57 10.5 6.8 10.2#

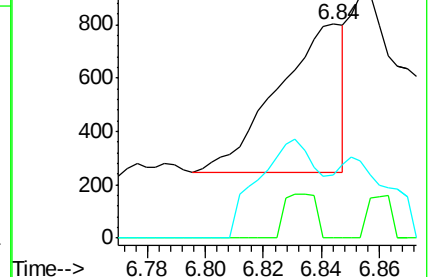
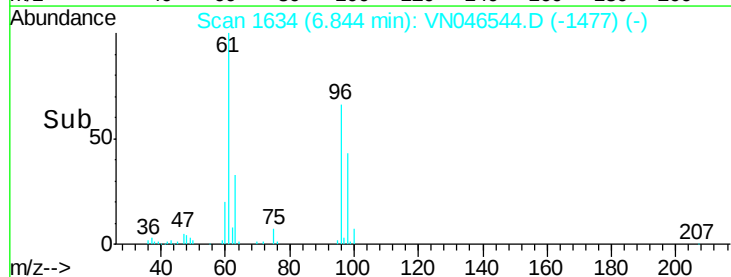
72 58.7 18.9 28.3#

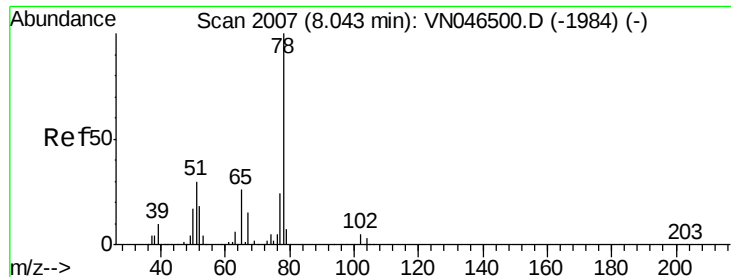


Abundance Ion 43.00 (42.70 to 43.70): VN046500.D (-1609) (-)

Ion 57.00 (56.70 to 57.70): VN046500.D (-1609) (-)

Ion 72.00 (71.70 to 72.70): VN046500.D (-1609) (-)





#34

Benzene

Concen: 0.36 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

BELL-0118

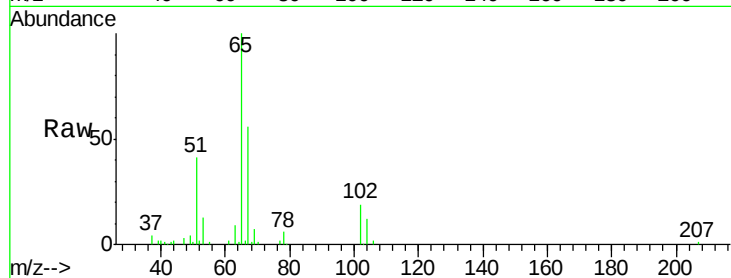
Tgt Ion: 78 Resp: 4533

Ion Ratio Lower Upper

78 100

77 28.6 18.8 28.2#

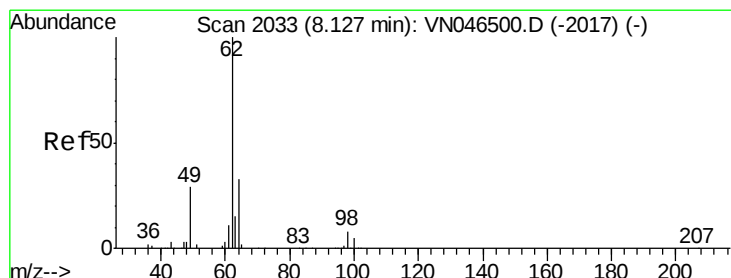
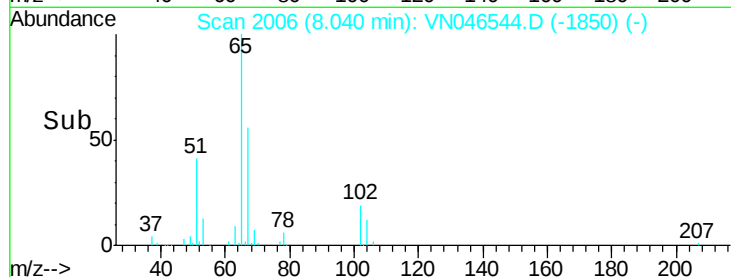
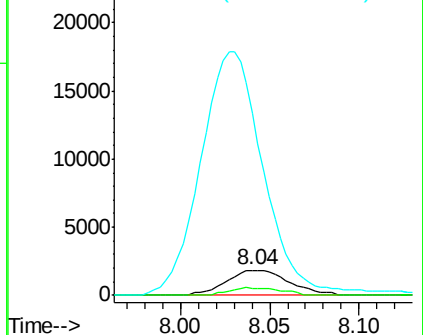
51 702.4 25.4 38.0#



Abundance Ion 78.10 (77.80 to 78.80): VN046500.D (-1984) (-)

Ion 77.00 (76.70 to 77.70): VN046500.D (-1984) (-)

Ion 51.00 (50.70 to 51.70): VN046500.D (-1984) (-)



#36

1,2-Dichloroethane

Concen: 0.32 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN046544.D

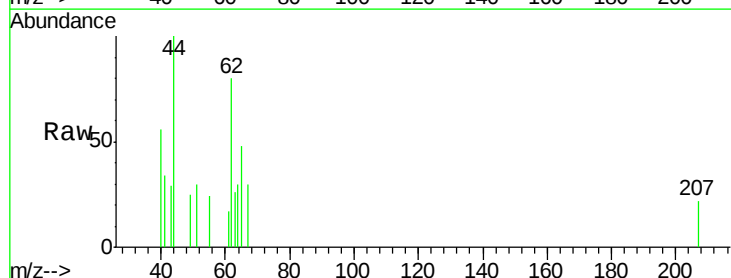
Acq: 24 Jan 2018 13:52

Tgt Ion: 62 Resp: 1418

Ion Ratio Lower Upper

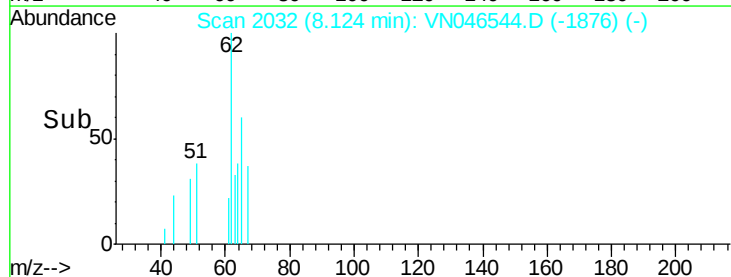
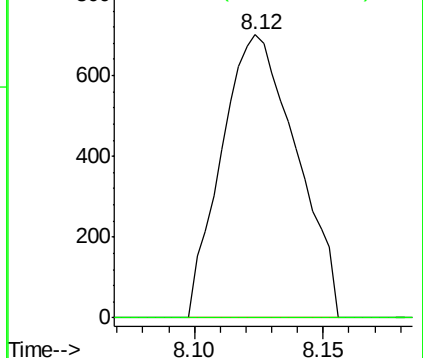
62 100

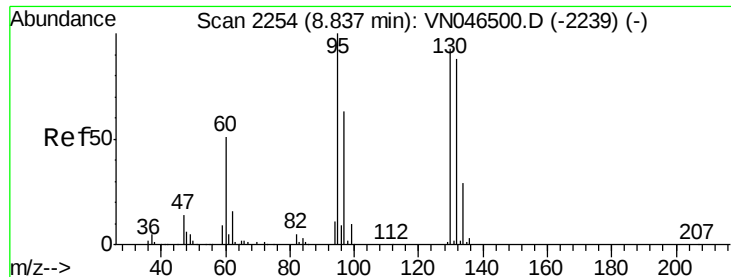
98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VN046500.D (-2017) (-)

Ion 98.00 (97.70 to 98.70): VN046500.D (-2017) (-)





#37

Trichloroethene

Concen: 0.25 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

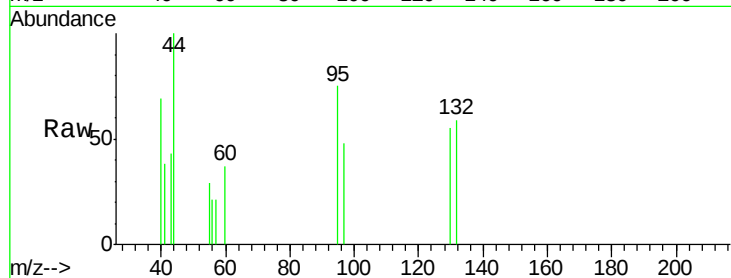
BELL-0118

Tgt Ion:130 Resp: 695

Ion Ratio Lower Upper

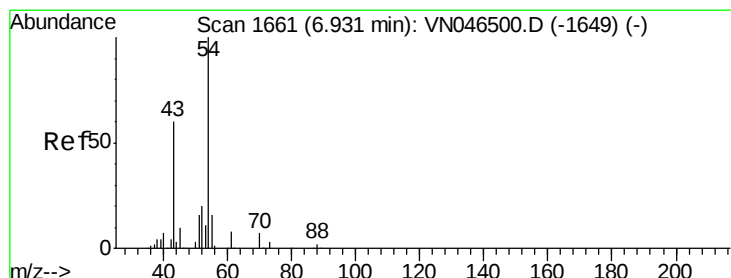
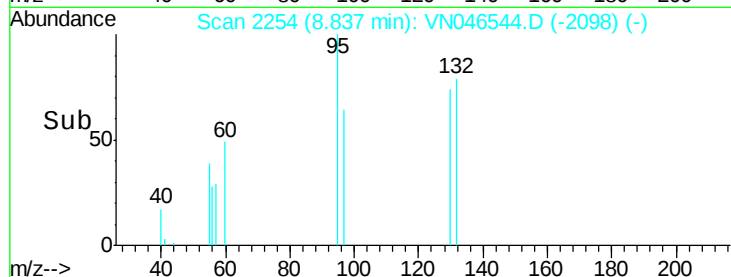
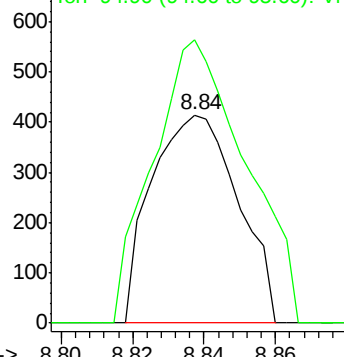
130 100

95 94.7 90.7 136.1



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0



#43

Ethyl Acetate

Concen: 0.28 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.09 min

Lab File: VN046544.D

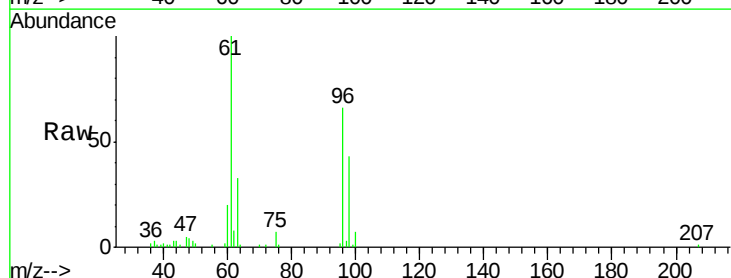
Acq: 24 Jan 2018 13:52

Tgt Ion: 43 Resp: 883

Ion Ratio Lower Upper

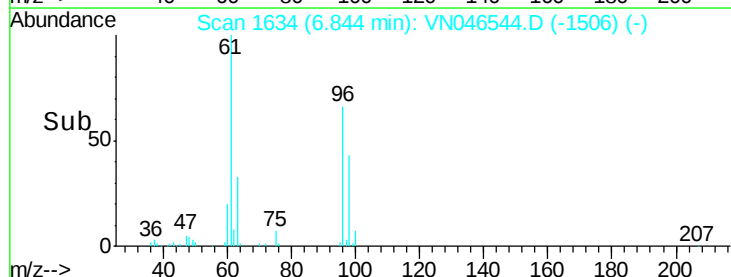
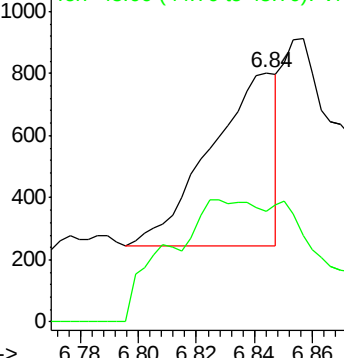
43 100

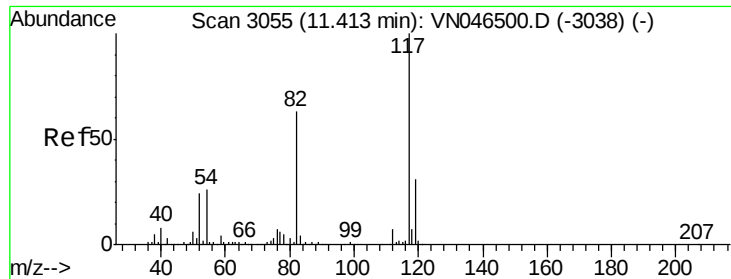
45 15.1 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

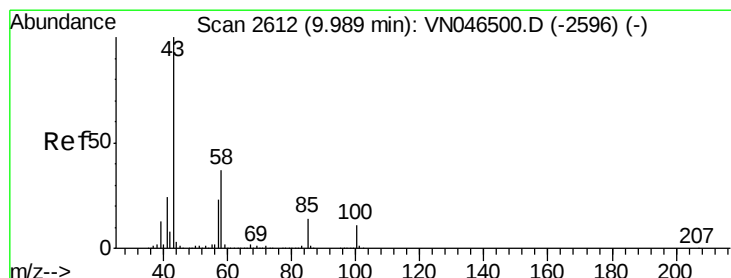
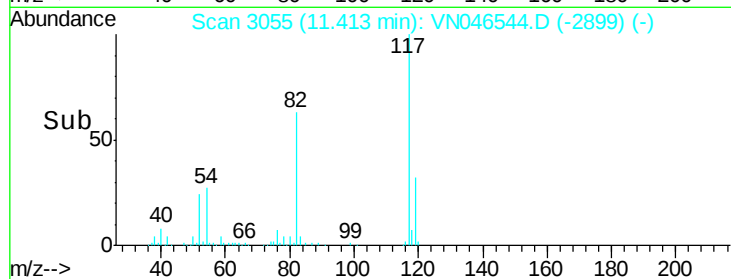
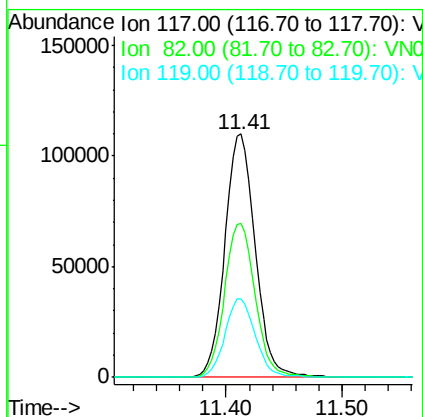
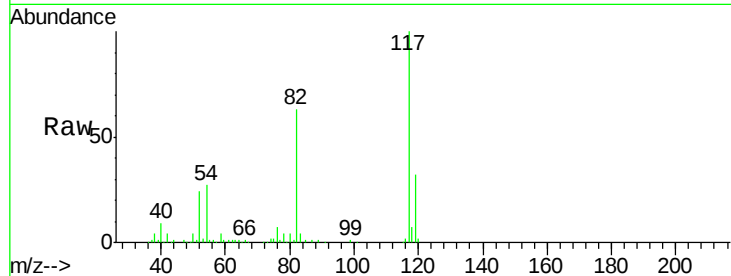




#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.41 min Scan# 3055  
Delta R.T. 0.00 min  
Lab File: VN046544.D  
Acq: 24 Jan 2018 13:52

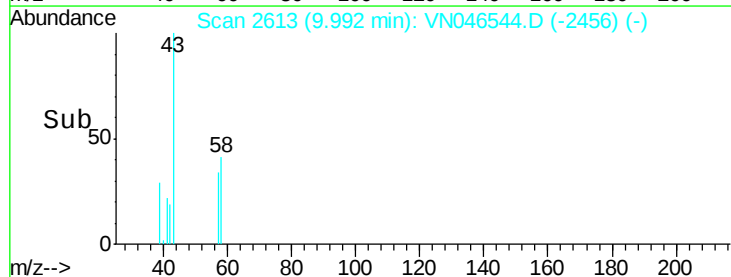
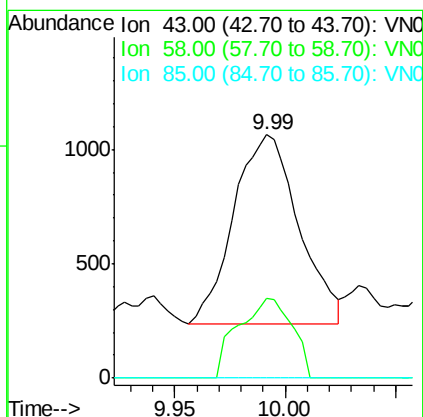
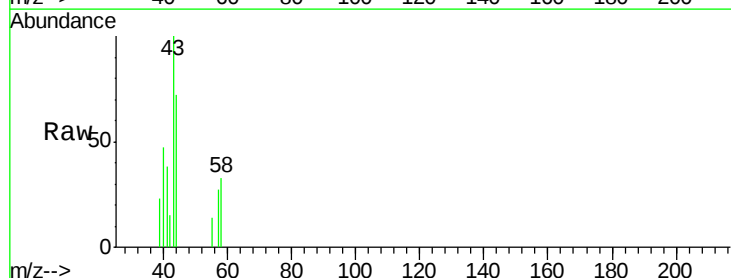
Instrument :  
MSVOA\_N  
ClientSampled :  
BELL-0118

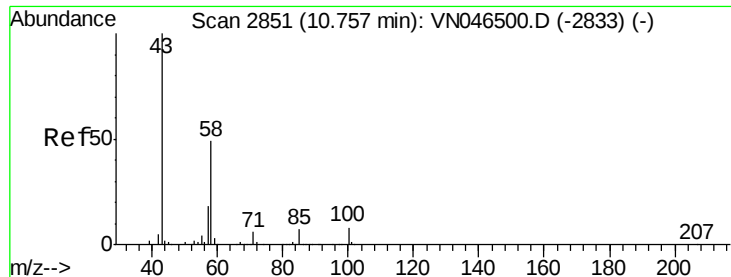
Tgt Ion: 117 Resp: 199860  
Ion Ratio Lower Upper  
117 100  
82 63.9 51.5 77.3  
119 32.3 25.4 38.2



#58  
4-Methyl-2-Pentanone  
Concen: 0.55 ug/l  
RT: 9.99 min Scan# 2613  
Delta R.T. 0.00 min  
Lab File: VN046544.D  
Acq: 24 Jan 2018 13:52

Tgt Ion: 43 Resp: 1704  
Ion Ratio Lower Upper  
43 100  
58 34.7 29.4 44.2  
85 0.0 11.5 17.3#





#59

2-Hexanone

Concen: 0.43 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

BELL-0118

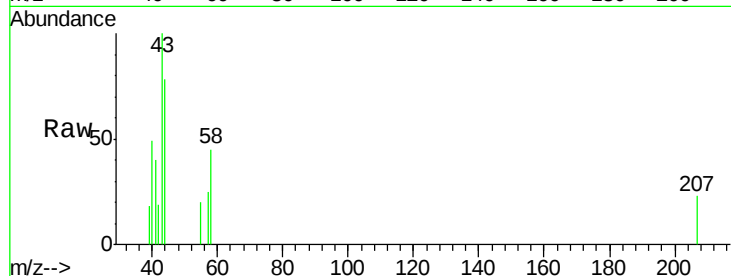
Tgt Ion: 43 Resp: 928

Ion Ratio Lower Upper

43 100

58 71.7 41.4 62.0#

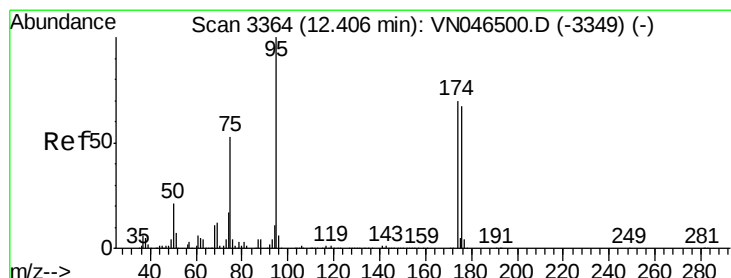
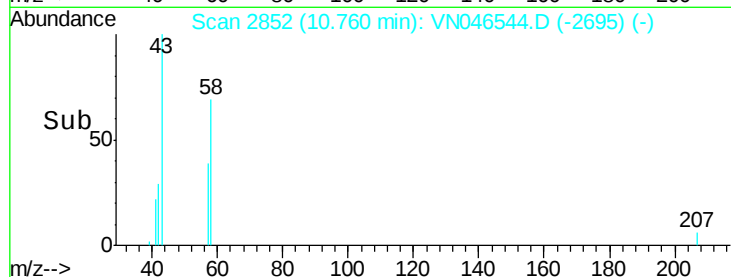
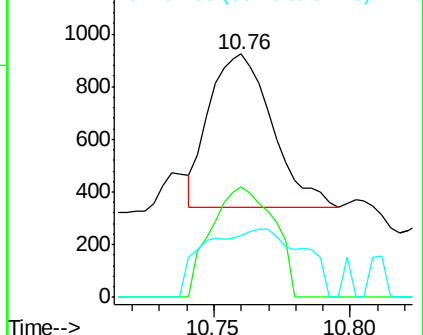
57 20.7 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#60

4-Bromofluorobenzene

Concen: 27.84 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

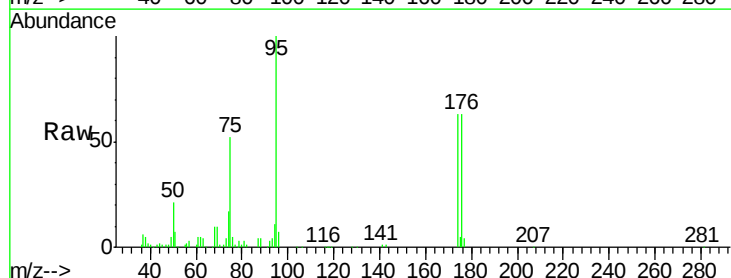
Tgt Ion: 95 Resp: 99622

Ion Ratio Lower Upper

95 100

174 64.6 52.5 78.7

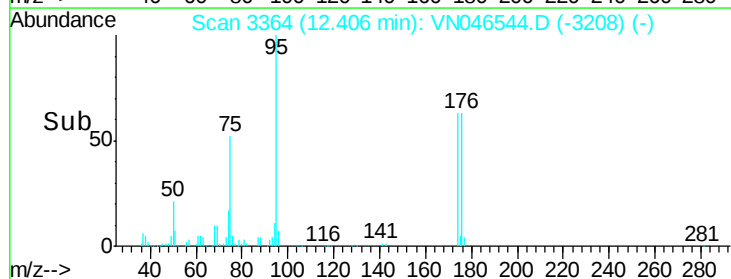
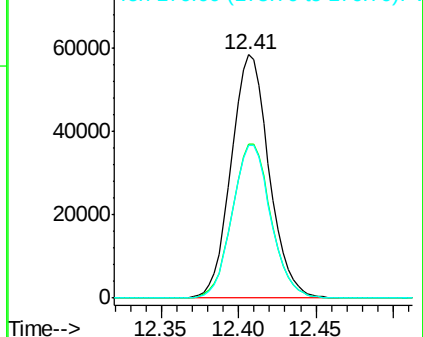
176 63.8 50.6 75.8

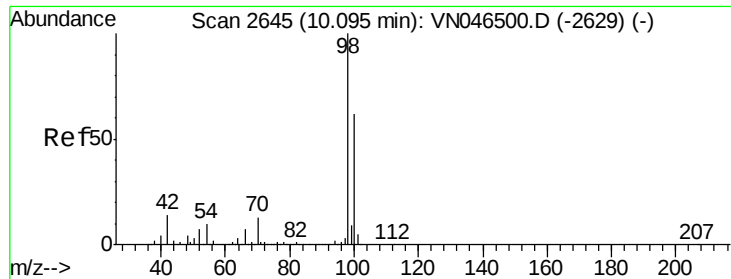


Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.93 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

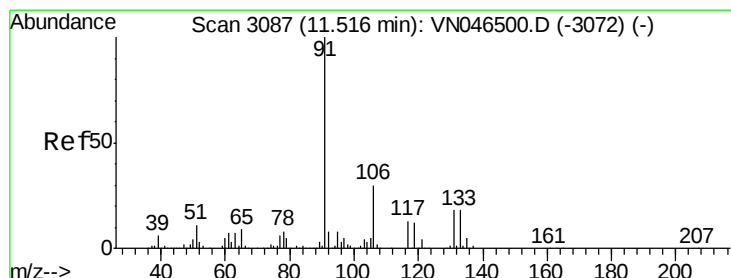
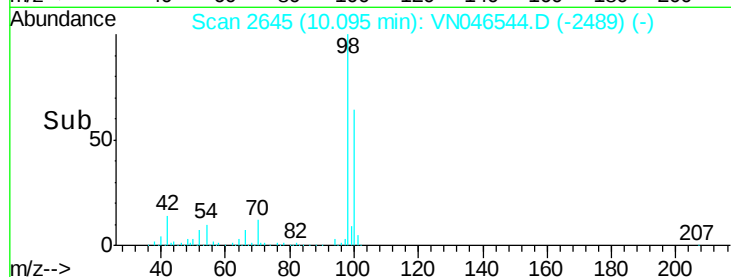
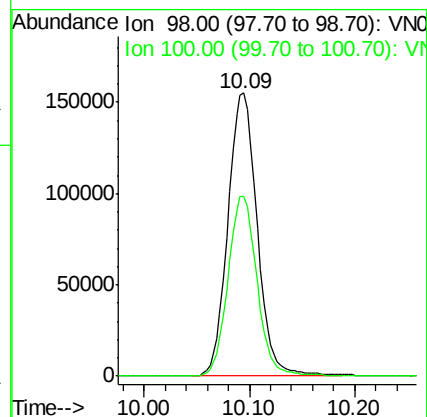
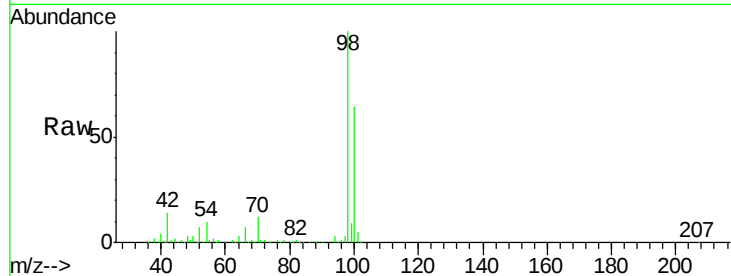
BELL-0118

Tgt Ion: 98 Resp: 298489

Ion Ratio Lower Upper

98 100

100 63.3 50.8 76.2



#66

Ethyl Benzene

Concen: 0.22 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN046544.D

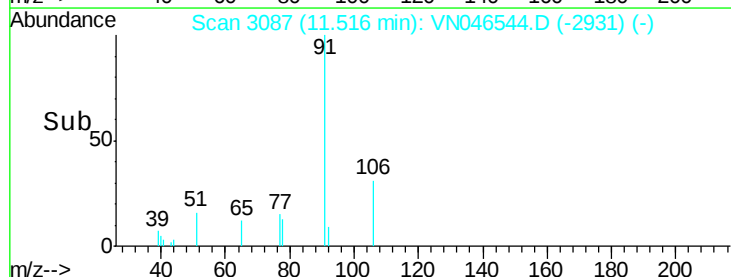
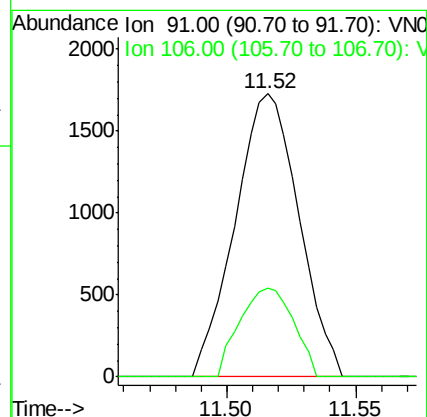
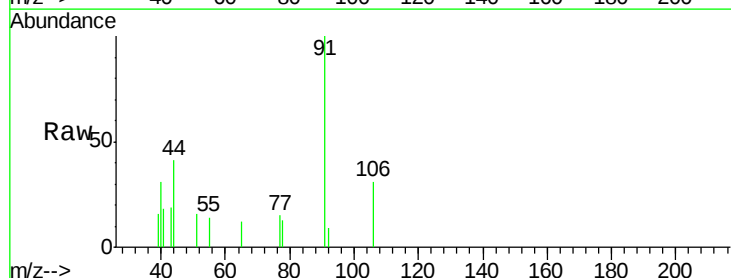
Acq: 24 Jan 2018 13:52

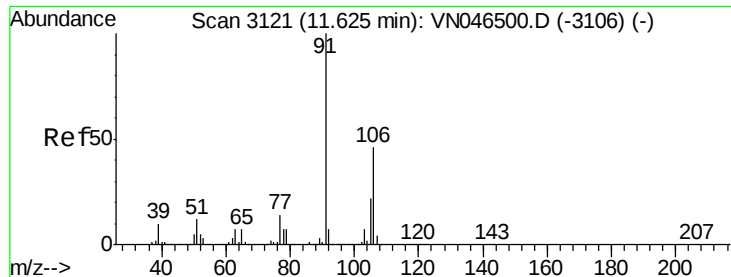
Tgt Ion: 91 Resp: 2981

Ion Ratio Lower Upper

91 100

106 31.5 23.4 35.2





#67

m/p-Xylenes

Concen: 0.47 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

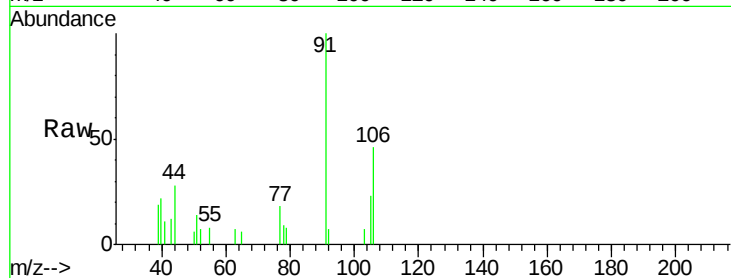
BELL-0118

Tgt Ion:106 Resp: 2284

Ion Ratio Lower Upper

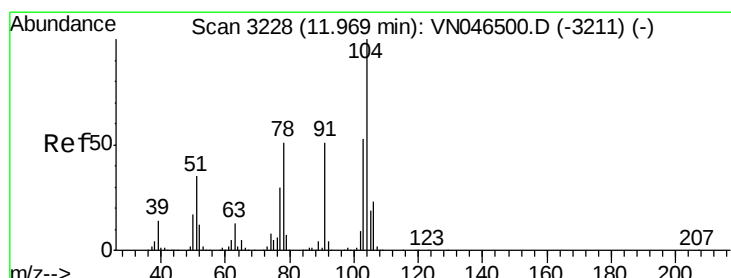
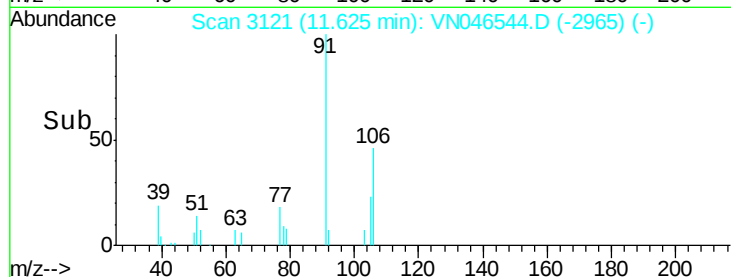
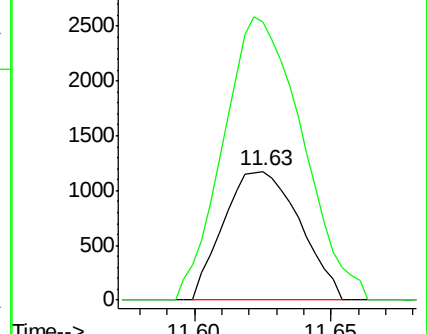
106 100

91 227.5 173.8 260.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

Styrene

Concen: 0.21 ug/l

RT: 11.97 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

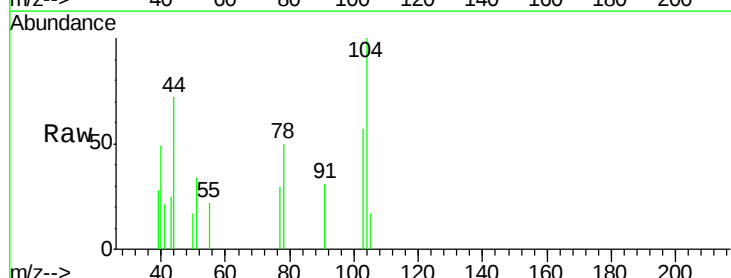
Tgt Ion:104 Resp: 1661

Ion Ratio Lower Upper

104 100

78 50.5 45.5 68.3

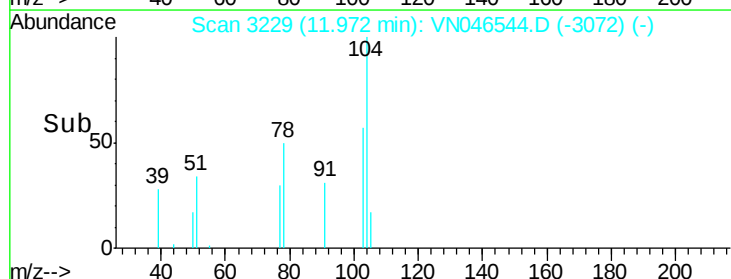
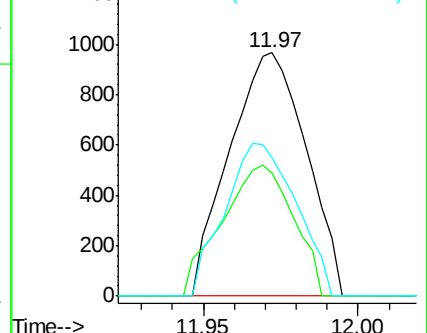
103 58.4 45.0 67.4

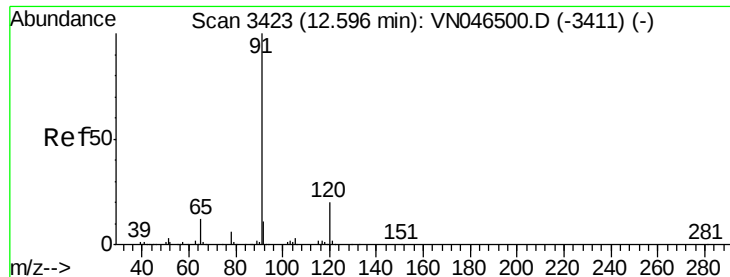


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#74

n-propylbenzene

Concen: 0.25 ug/l

RT: 12.60 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

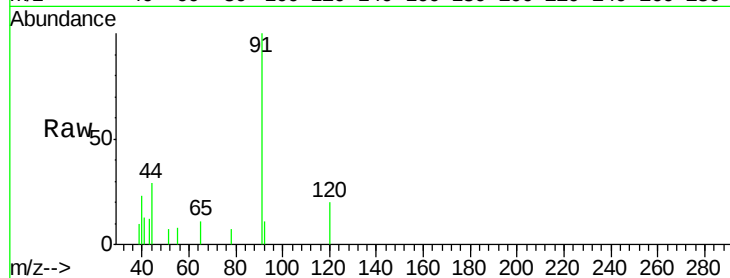
BELL-0118

Tgt Ion: 91 Resp: 3846

Ion Ratio Lower Upper

91 100

120 17.6 0.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN046500.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN046500.D (-3411) (-)

12.60

2500

2000

1500

1000

500

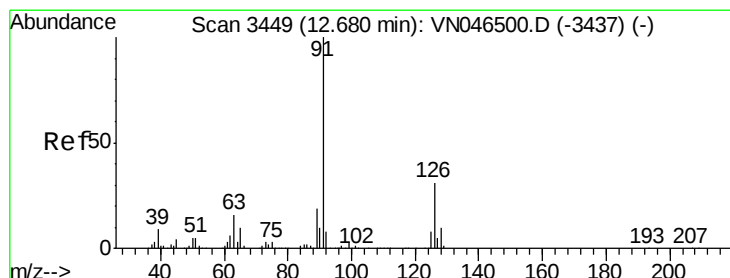
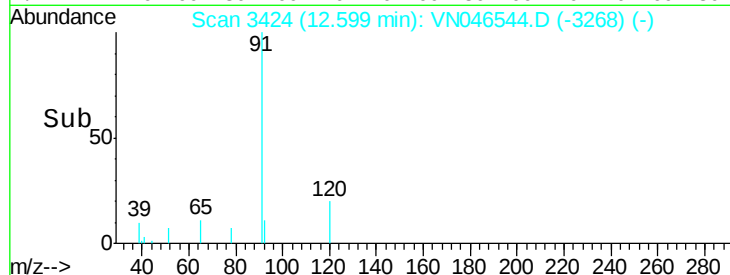
0

Time-->

12.55

12.60

12.65



#75

2-Chlorotoluene

Concen: 0.20 ug/l

RT: 12.68 min Scan# 3450

Delta R.T. 0.00 min

Lab File: VN046544.D

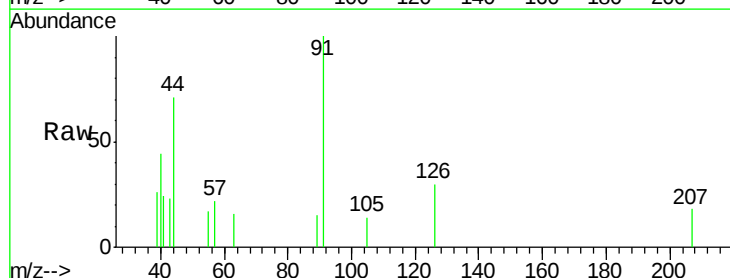
Acq: 24 Jan 2018 13:52

Tgt Ion: 91 Resp: 1839

Ion Ratio Lower Upper

91 100

126 21.8 0.0 60.2



Abundance Ion 91.00 (90.70 to 91.70): VN046500.D (-3437) (-)

Ion 126.00 (125.70 to 126.70): VN046500.D (-3437) (-)

12.68

1200

1000

800

600

400

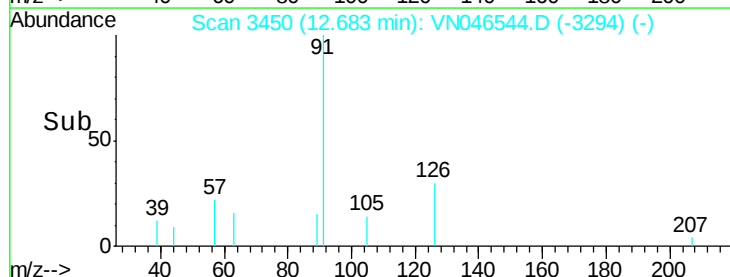
200

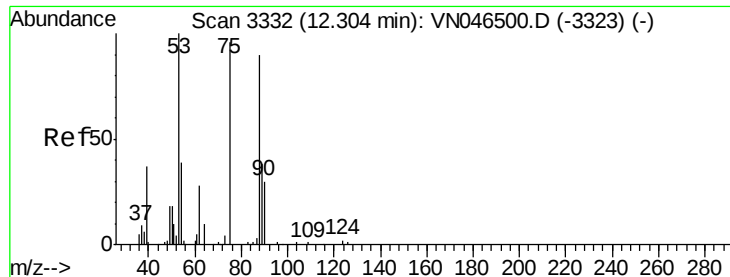
0

Time-->

12.65

12.70





#77

t-1,4-Dichloro-2-butene

Concen: 51.82 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

BELL-0118

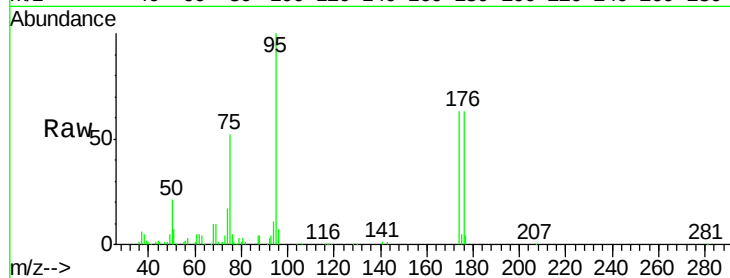
Tgt Ion: 75 Resp: 51934

Ion Ratio Lower Upper

75 100

53 0.0 46.8 140.3#

89 0.0 20.2 60.5#

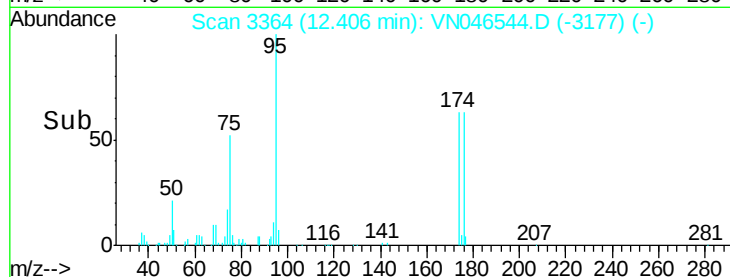


Abundance Ion 75.00 (74.70 to 75.70): VN046544.D (-3177) (-)

Ion 53.00 (52.70 to 53.70): VN046544.D (-3177) (-)

Ion 89.00 (88.70 to 89.70): VN046544.D (-3177) (-)

Time-->

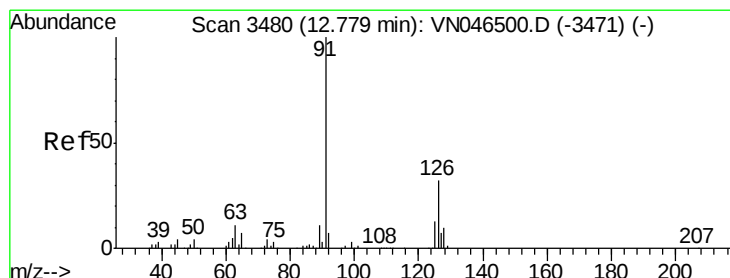


Abundance Ion 75.00 (74.70 to 75.70): VN046544.D (-3177) (-)

Ion 53.00 (52.70 to 53.70): VN046544.D (-3177) (-)

Ion 89.00 (88.70 to 89.70): VN046544.D (-3177) (-)

Time-->



#78

4-Chlorotoluene

Concen: 0.31 ug/l

RT: 12.78 min Scan# 3481

Delta R.T. 0.00 min

Lab File: VN046544.D

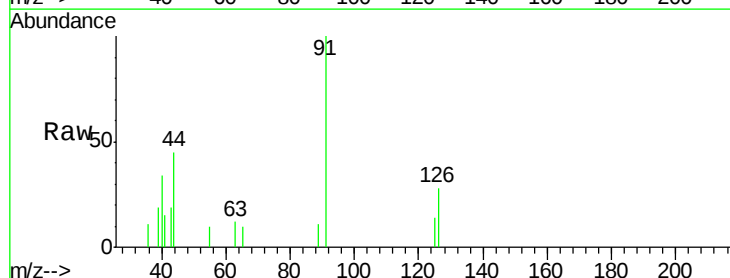
Acq: 24 Jan 2018 13:52

Tgt Ion: 91 Resp: 2847

Ion Ratio Lower Upper

91 100

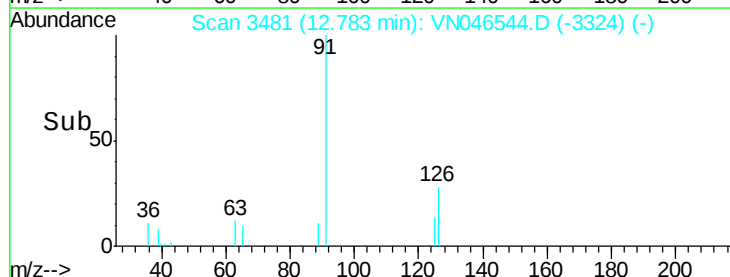
126 25.9 0.0 58.8



Abundance Ion 91.00 (90.70 to 91.70): VN046544.D (-3324) (-)

Ion 126.00 (125.70 to 126.70): VN046544.D (-3324) (-)

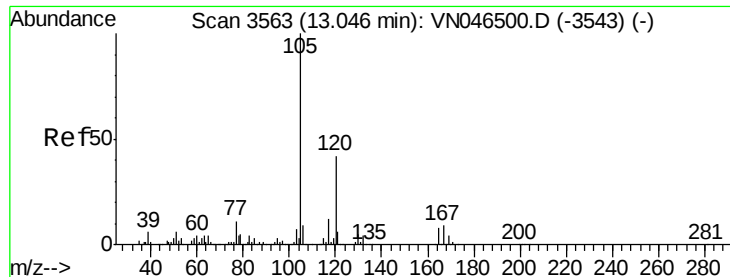
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN046544.D (-3324) (-)

Ion 126.00 (125.70 to 126.70): VN046544.D (-3324) (-)

Time-->



#80

1,2,4-Trimethylbenzene

Concen: 0.30 ug/l

RT: 13.05 min Scan# 3563

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

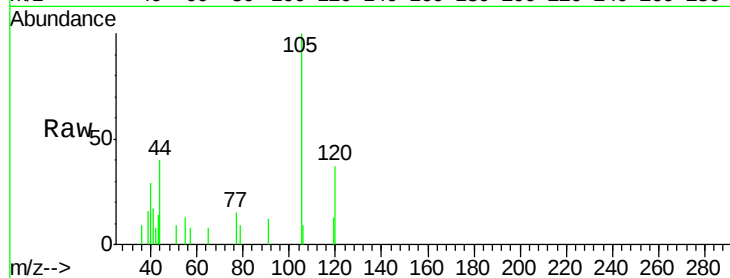
BELL-0118

Tgt Ion:105 Resp: 3195

Ion Ratio Lower Upper

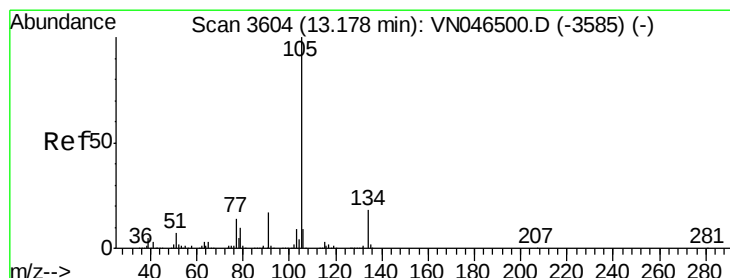
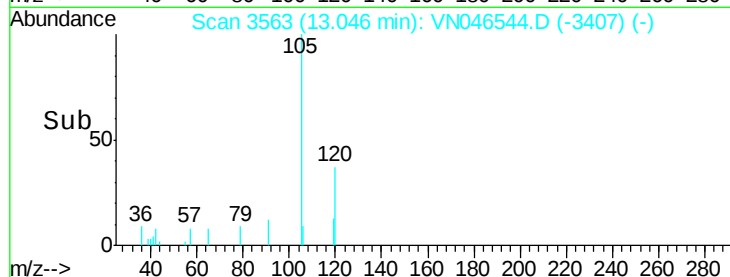
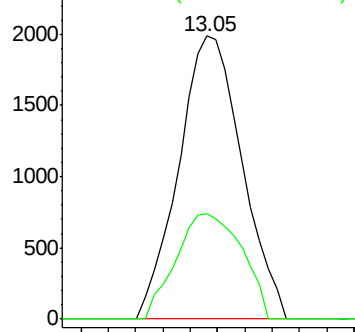
105 100

120 38.9 0.0 0.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 0.22 ug/l

RT: 13.18 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN046544.D

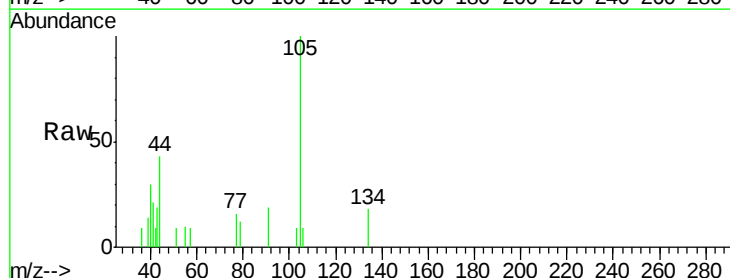
Acq: 24 Jan 2018 13:52

Tgt Ion:105 Resp: 2828

Ion Ratio Lower Upper

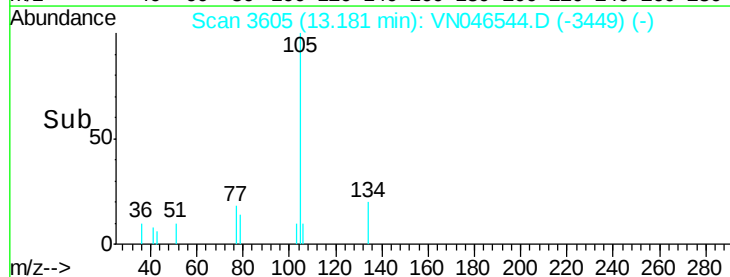
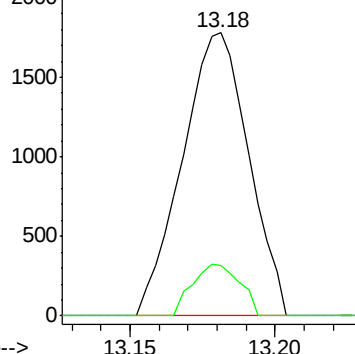
105 100

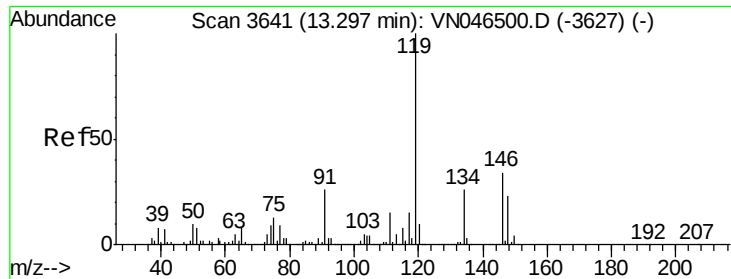
134 13.1 0.0 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

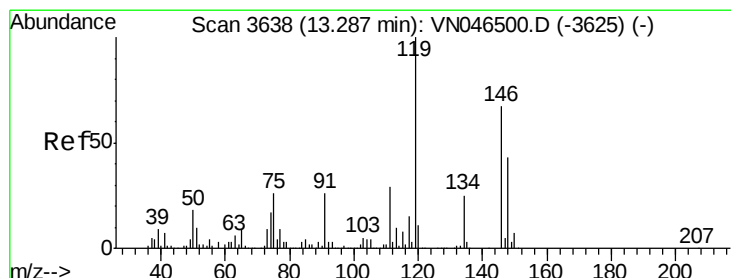
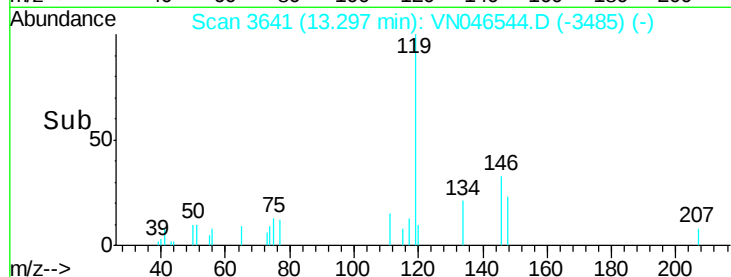
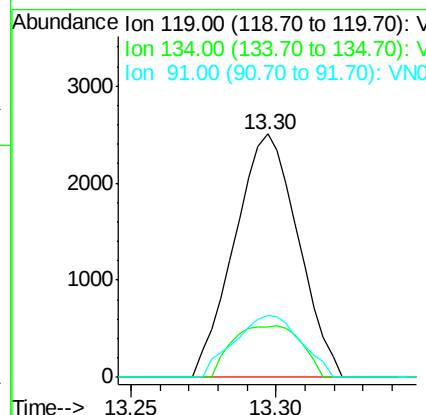
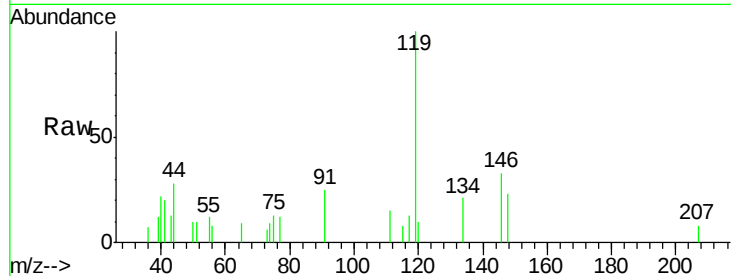




#82  
p-Isopropyltoluene  
Concen: 0.36 ug/l  
RT: 13.30 min Scan# 3641  
Delta R.T. 0.00 min  
Lab File: VN046544.D  
Acq: 24 Jan 2018 13:52

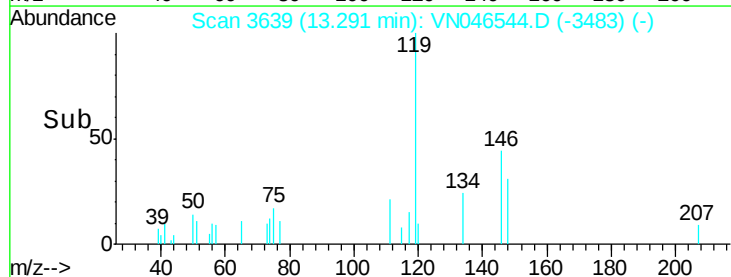
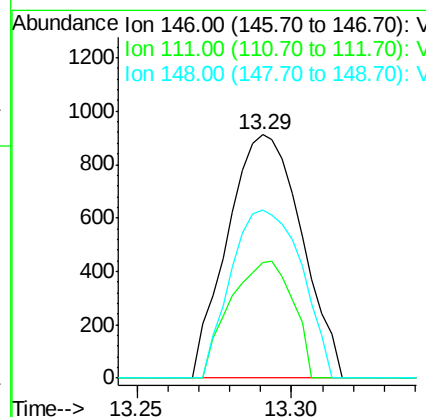
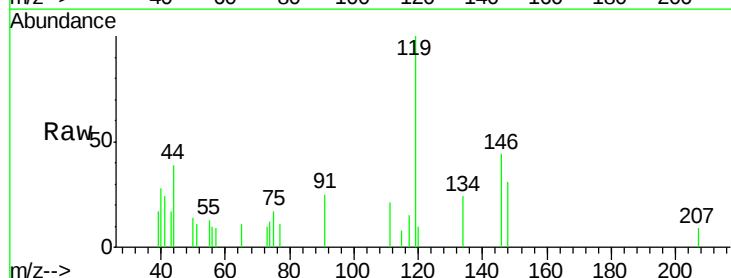
Instrument :  
MSVOA\_N  
ClientSampled :  
BELL-0118

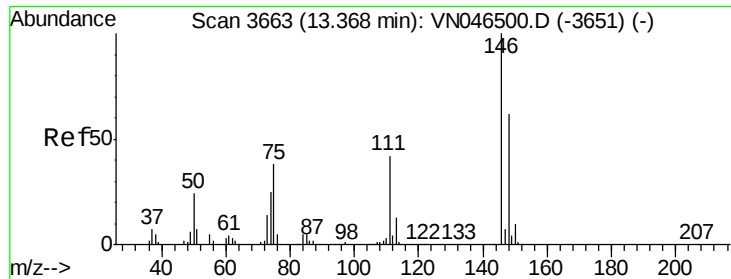
Tgt Ion:119 Resp: 3814  
Ion Ratio Lower Upper  
119 100  
134 22.8 0.0 50.4  
91 26.5 0.0 51.4



#83  
1,3-Dichlorobenzene  
Concen: 0.31 ug/l  
RT: 13.29 min Scan# 3639  
Delta R.T. 0.00 min  
Lab File: VN046544.D  
Acq: 24 Jan 2018 13:52

Tgt Ion:146 Resp: 1516  
Ion Ratio Lower Upper  
146 100  
111 40.6 22.3 66.9  
148 66.2 31.3 93.9





#84

1,4-Dichlorobenzene

Concen: 0.35 ug/l

RT: 13.37 min Scan# 3664

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

BELL-0118

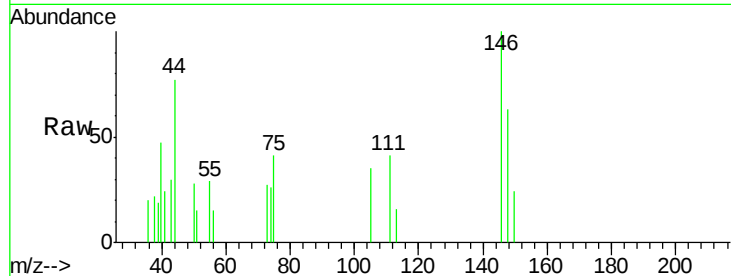
Tgt Ion: 146 Resp: 1680

Ion Ratio Lower Upper

146 100

111 43.2 21.6 64.8

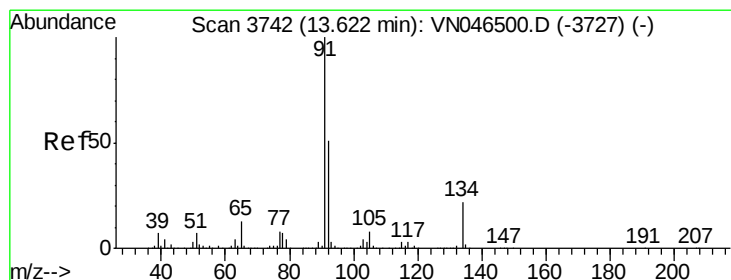
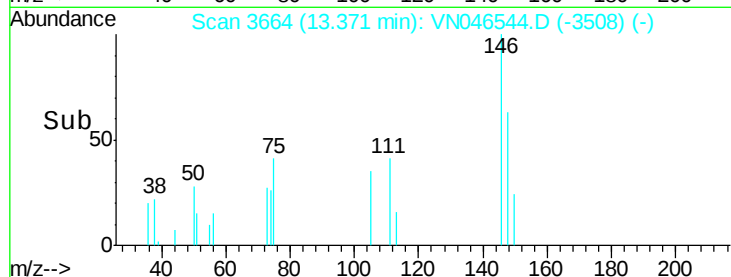
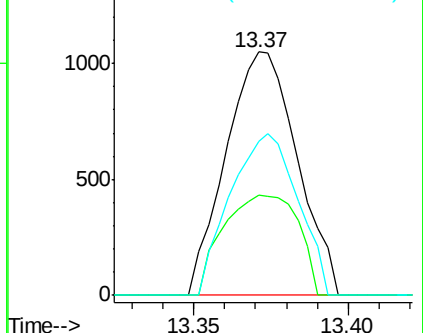
148 63.2 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 0.36 ug/l

RT: 13.62 min Scan# 3742

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

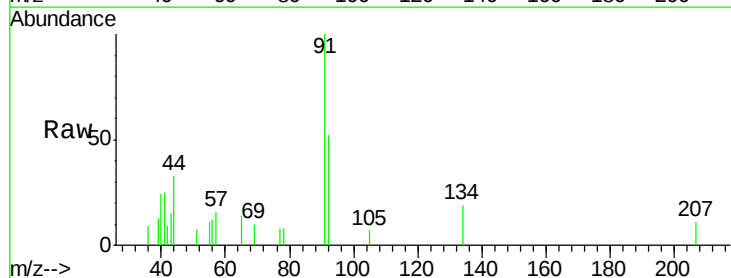
Tgt Ion: 91 Resp: 3917

Ion Ratio Lower Upper

91 100

92 50.2 0.0 105.6

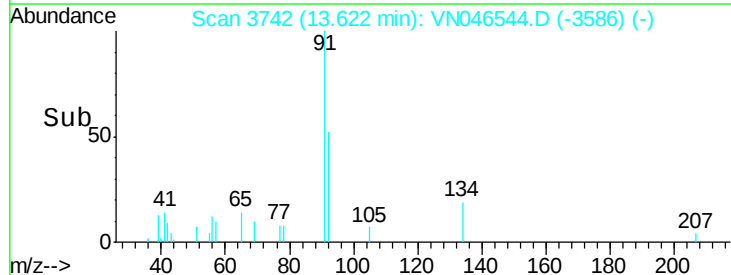
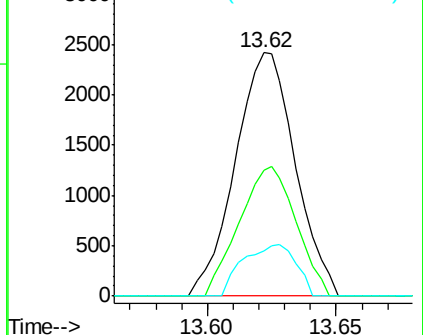
134 18.8 0.0 44.6

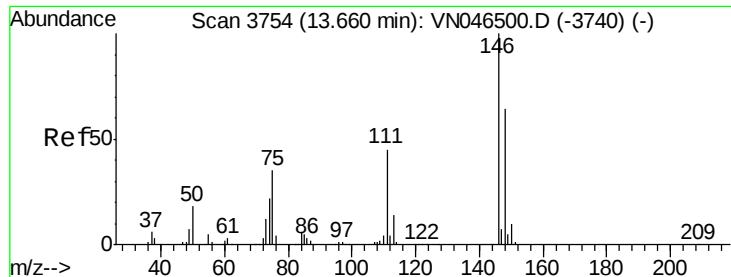


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#87

1,2-Dichlorobenzene

Concen: 0.23 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

BELL-0118

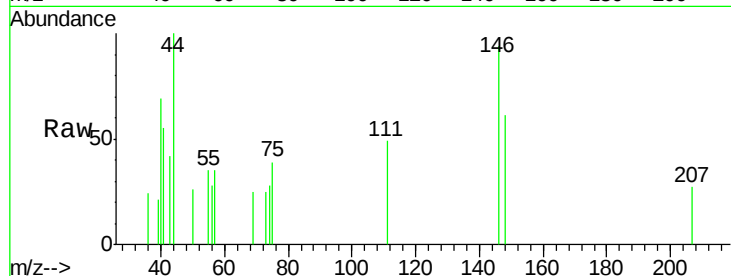
Tgt Ion:146 Resp: 1085

Ion Ratio Lower Upper

146 100

111 55.6 22.9 68.8

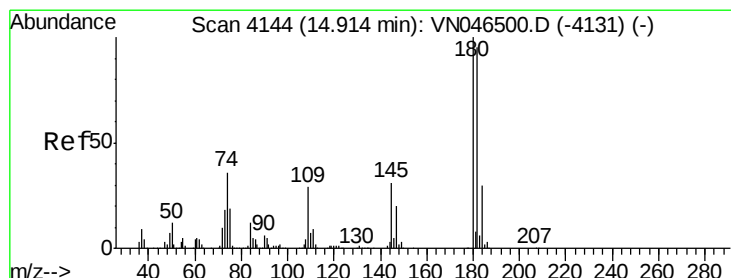
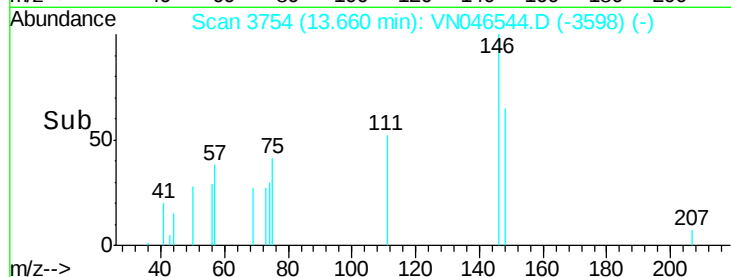
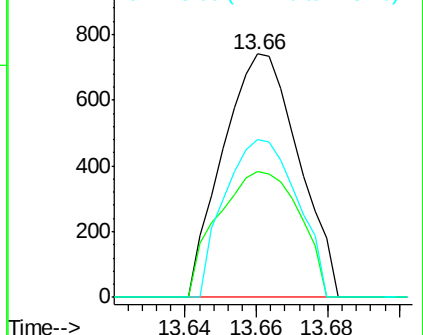
148 62.0 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

1,2,4-Trichlorobenzene

Concen: 0.42 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

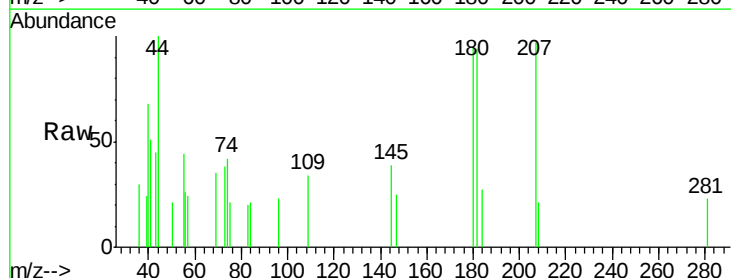
Tgt Ion:180 Resp: 1148

Ion Ratio Lower Upper

180 100

182 99.4 75.7 113.5

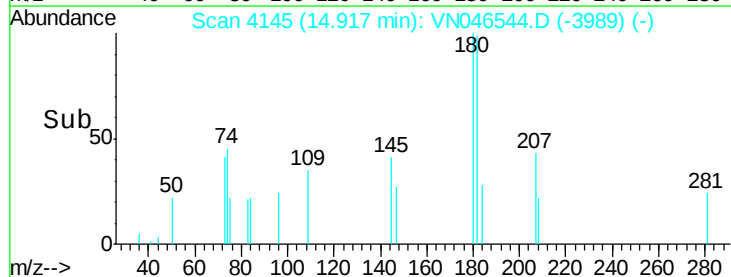
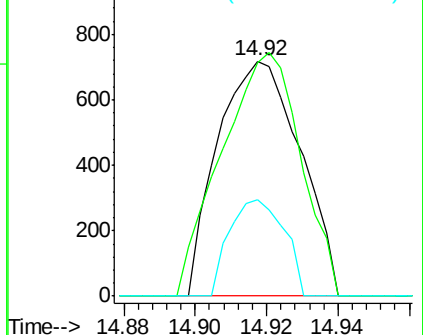
145 27.2 25.2 37.8

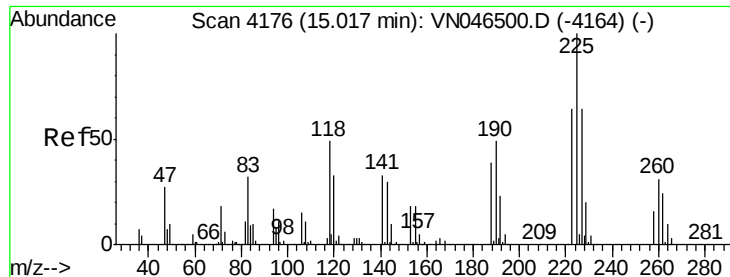


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#90

Hexachlorobutadiene

Concen: 0.72 ug/l

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

BELL-0118

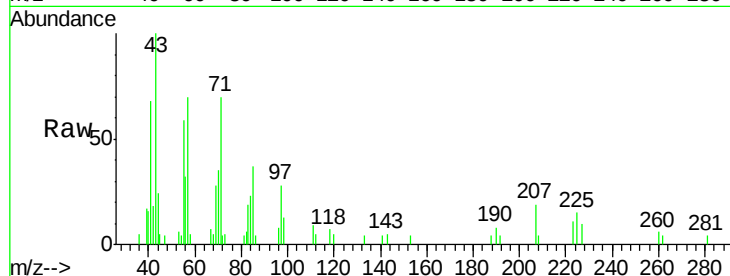
Tgt Ion:225 Resp: 1052

Ion Ratio Lower Upper

225 100

223 57.6 0.0 123.6

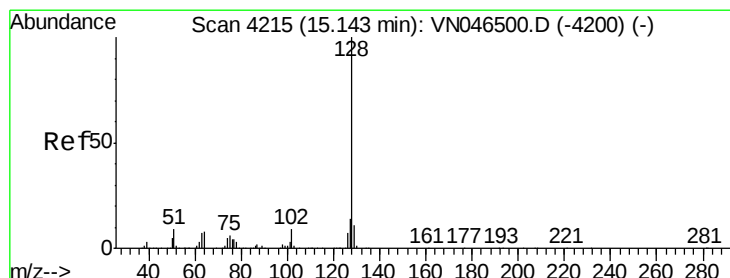
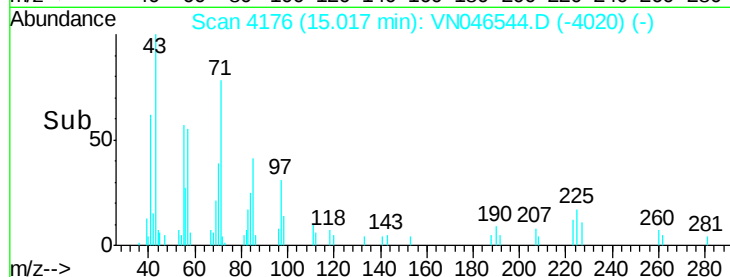
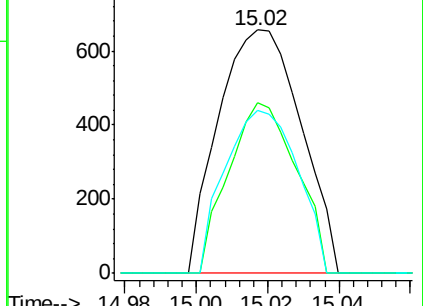
227 58.8 0.0 128.2



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 0.73 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.00 min

Lab File: VN046544.D

Acq: 24 Jan 2018 13:52

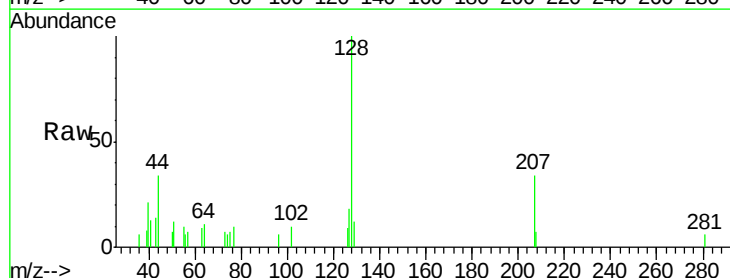
Tgt Ion:128 Resp: 4778

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

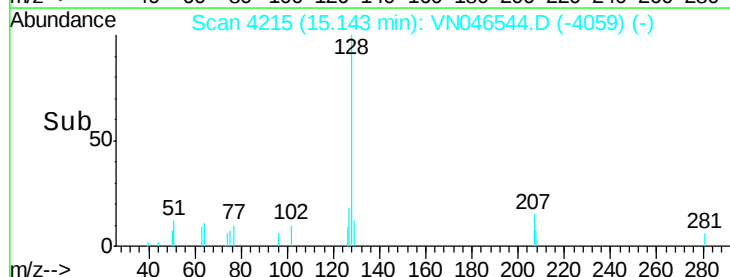
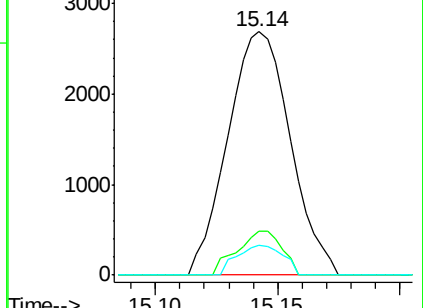
129 8.9 8.7 13.1

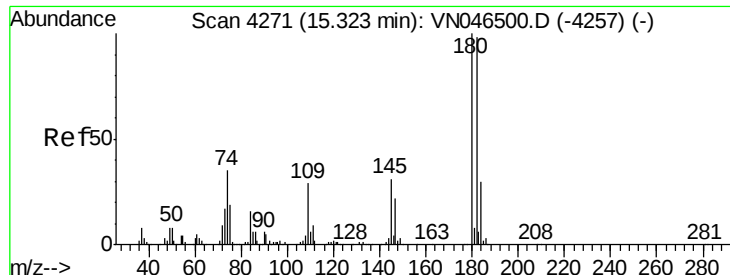


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92  
 1,2,3-Trichlorobenzene  
 Concen: 0.54 ug/l  
 RT: 15.32 min Scan# 4271  
 Delta R.T. 0.00 min  
 Lab File: VN046544.D  
 Acq: 24 Jan 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BELL-0118

Tgt Ion:180 Resp: 1424  
 Ion Ratio Lower Upper  
 180 100  
 182 91.9 0.0 190.8  
 145 35.7 0.0 68.4

