

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\  
 Data File : VN050166.D  
 Acq On : 28 Jul 2018 7:07  
 Operator : MD\SY  
 Sample : J4199-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-A10

Quant Time: Jul 30 01:55:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 616170   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1015782  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 840625   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 316044   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 437102   | 50.84 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.68% |          |
| 35) Dibromofluoromethane    | 7.60  | 113  | 386675   | 46.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.24%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1367868  | 44.86 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.72%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 388142   | 38.66 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 77.32%  |          |

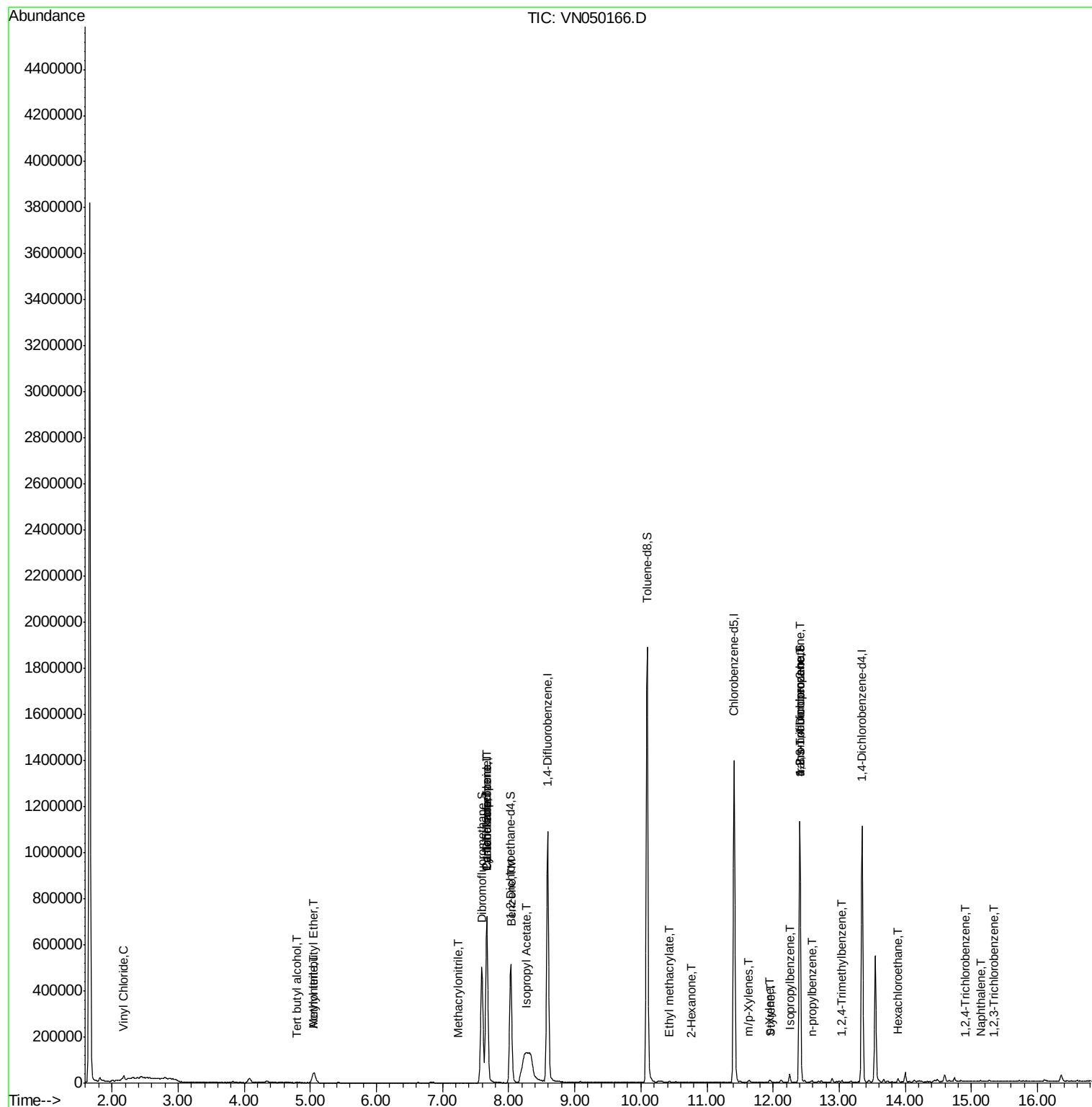
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 4) Vinyl Chloride              | 2.18  | 62   | 5240     | 0.52   | ug/l  | # 56   |
| 5) Bromomethane                | 2.57  | 94   | 746      | Below  | Cal   | 85     |
| 11) Tert butyl alcohol         | 4.81  | 59   | 344      | 0.54   | ug/l  | # 72   |
| 15) Acrylonitrile              | 5.05  | 53   | 1046     | 0.38   | ug/l  | # 27   |
| 16) Acetone                    | 3.83  | 43   | 8589     | Below  | Cal   | # 76   |
| 18) Methyl Acetate             | 4.34  | 43   | 9484     | Below  | Cal   | 99     |
| 19) Methyl tert-butyl Ether    | 5.05  | 73   | 68226    | 3.60   | ug/l  | 97     |
| 20) Methylene Chloride         | 4.55  | 84   | 545      | Below  | Cal   | # 85   |
| 31) Cyclohexane                | 7.67  | 56   | 12135    | 0.96   | ug/l  | # 1    |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 44180    | 3.86   | ug/l  | # 47   |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 55878    | 4.60   | ug/l  | # 16   |
| 40) Benzene                    | 8.05  | 78   | 16982    | 0.49   | ug/l  | 94     |
| 41) Methacrylonitrile          | 7.22  | 41   | 95       | 2.77   | ug/l  | # 10   |
| 43) Isopropyl Acetate          | 8.27  | 43   | 200765   | 12.50  | ug/l  | # 61   |
| 56) Ethyl methacrylate         | 10.42 | 69   | 529      | 2.08   | ug/l  | # 5    |
| 59) 2-Hexanone                 | 10.77 | 43   | 339      | 5.23   | ug/l  | # 24   |
| 68) m/p-Xylenes                | 11.63 | 106  | 3071     | 0.24   | ug/l  | 91     |
| 69) o-Xylene                   | 11.95 | 106  | 2999     | 0.24   | ug/l  | 99     |
| 70) Styrene                    | 11.97 | 104  | 308      | 0.94   | ug/l  | # 25   |
| 73) Isopropylbenzene           | 12.25 | 105  | 21317    | 0.87   | ug/l  | 95     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 65       | Below  | Cal   | # 25   |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 187751   | 31.97  | ug/l  | # 100  |
| 78) n-propylbenzene            | 12.59 | 91   | 6508     | 0.24   | ug/l  | 95     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 187751   | 101.39 | ug/l  | # 13   |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 4291     | 0.22   | ug/l  | 97     |
| 90) Hexachloroethane           | 13.89 | 117  | 1111     | 0.26   | ug/l  | # 4    |
| 92) 1,2-Dibromo-3-Chloropropan | 14.32 | 75   | 63       | Below  | Cal   | # 1    |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 200      | 3.12   | ug/l  | # 1    |
| 95) Naphthalene                | 15.14 | 128  | 3358     | 4.63   | ug/l  | # 92   |
| 96) 1,2,3-Trichlorobenzene     | 15.33 | 180  | 59       | 2.22   | ug/l  | # 12   |

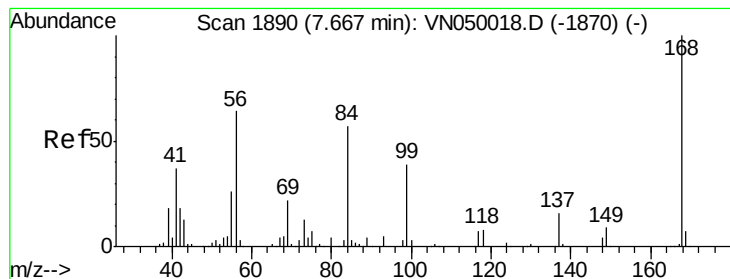
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\  
Data File : VN050166.D  
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Operator : MD\SY  
Sample : J4199-06  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-A10

Quant Time: Jul 30 01:55:01 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampleId :

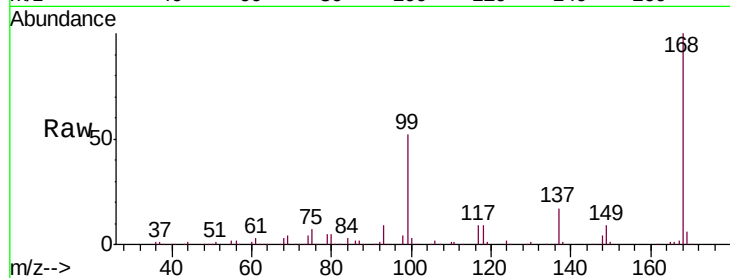
MW-A10

Tot Ion:168 Resp: 616170

Ion Ratio Lower Upper

168 100

99 52.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

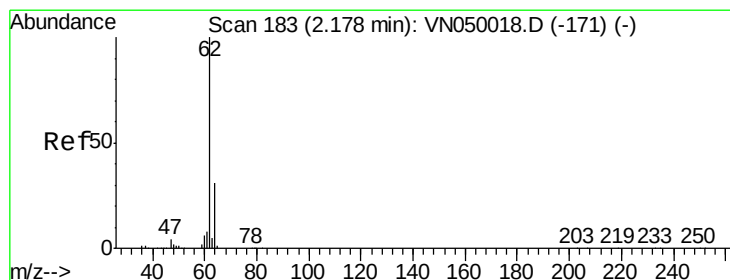
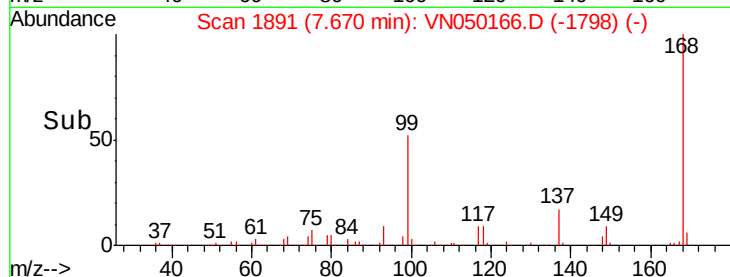
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#4

Vinyl Chloride

Concen: 0.52 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050166.D

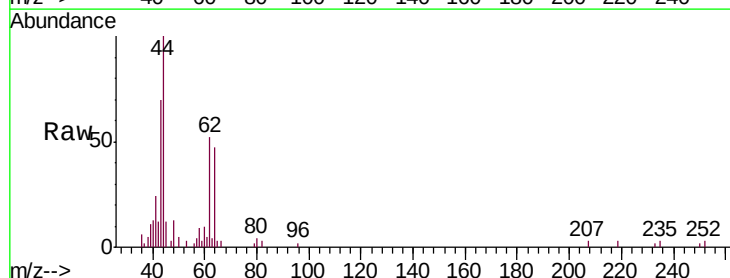
Acq: 28 Jul 2018 7:07

Tgt Ion: 62 Resp: 5240

Ion Ratio Lower Upper

62 100

64 54.8 24.7 37.1#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

5000

4000

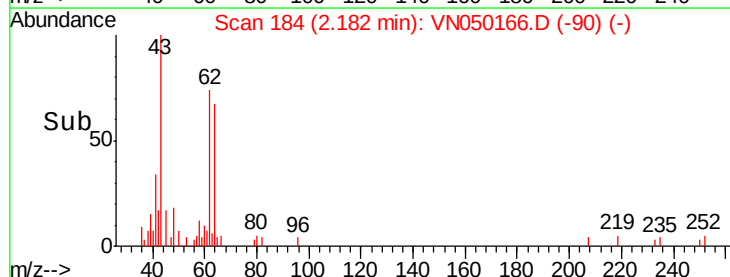
3000

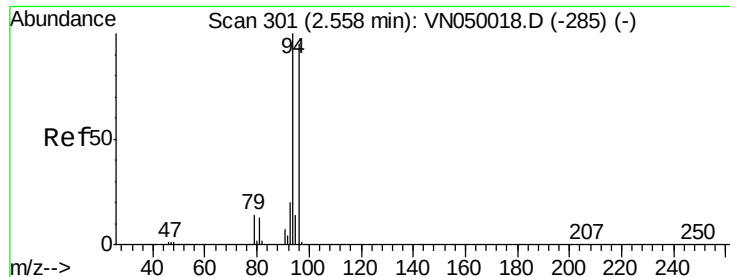
2000

1000

0

Time--> 2.15 2.20 2.25





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampled :

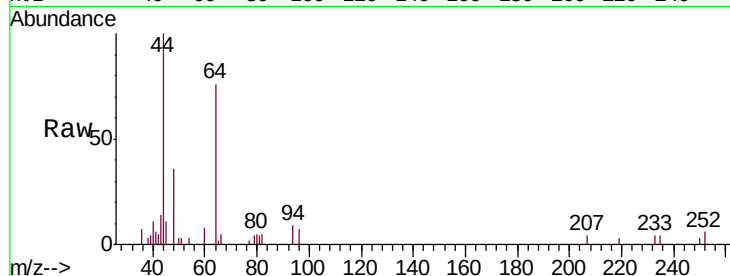
MW-A10

Tot Ion: 94 Resp: 746

Ion Ratio Lower Upper

94 100

96 78.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

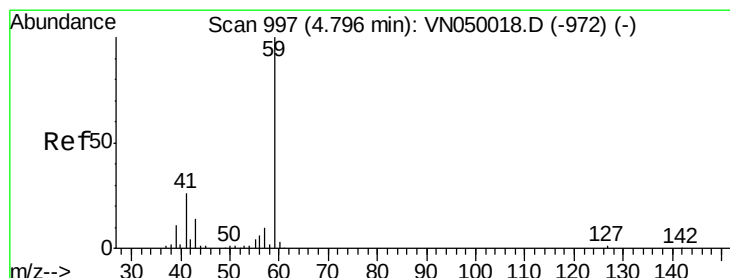
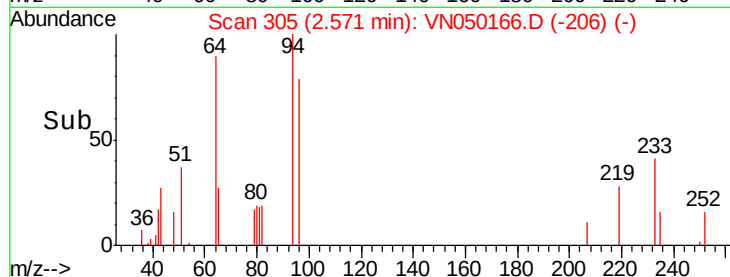
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 0.54 ug/l

RT: 4.81 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN050166.D

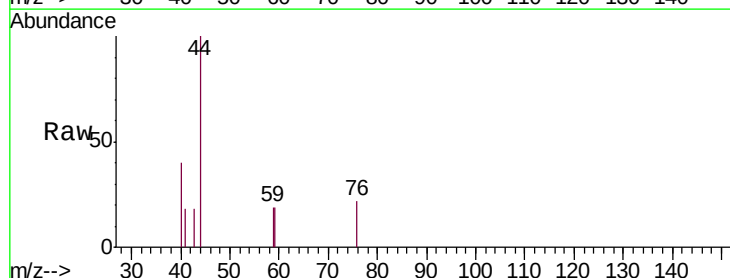
Acq: 28 Jul 2018 7:07

Tgt Ion: 59 Resp: 344

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.81

400

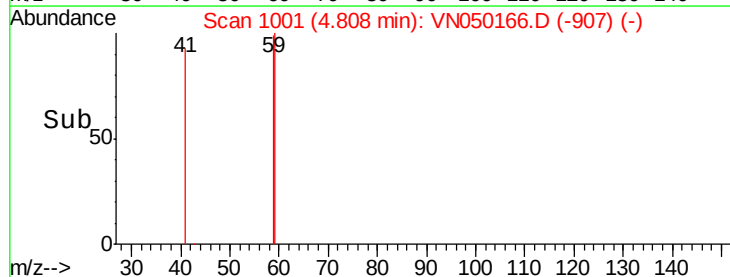
300

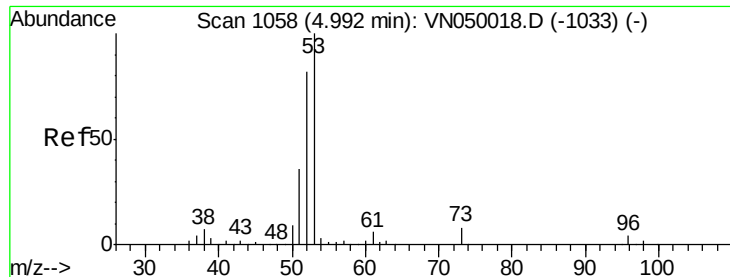
200

100

0

Time-->





#15

Acrylonitrile

Concen: 0.38 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.06 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampleId :

MW-A10

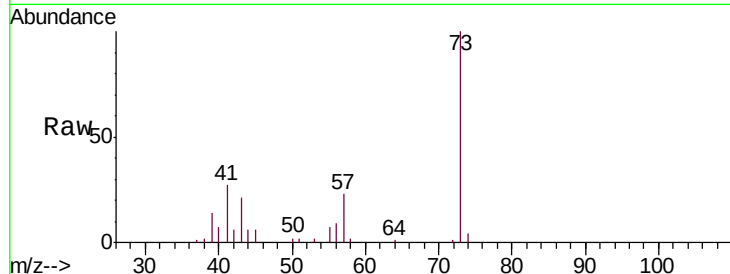
Tot Ion: 53 Resp: 1046

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 18.9 29.3 43.9#

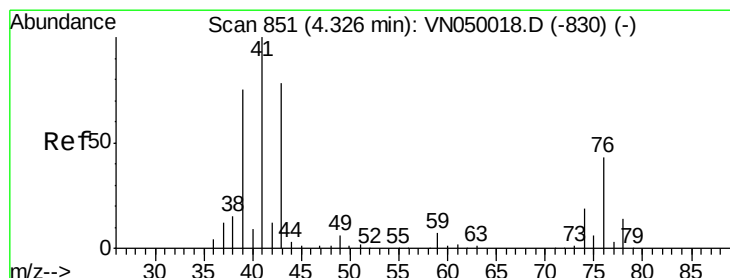
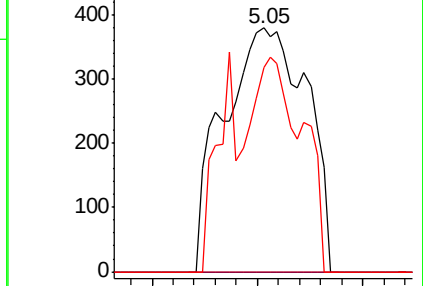
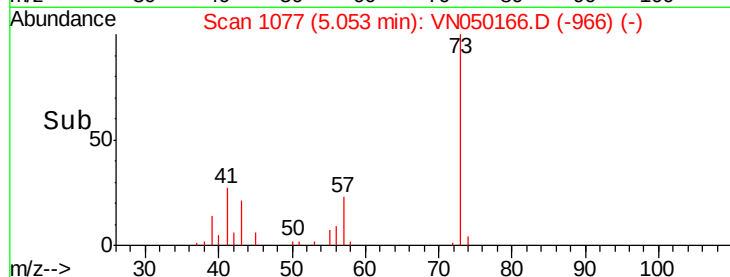


Abundance Ion 53.00 (52.70 to 53.70): VN050018.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN050018.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN050018.D (-1033) (-)

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050166.D

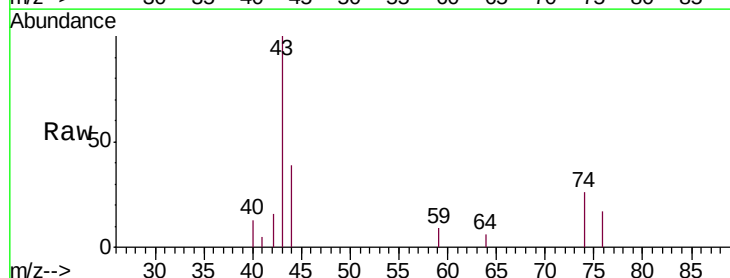
Acq: 28 Jul 2018 7:07

Tgt Ion: 43 Resp: 9484

Ion Ratio Lower Upper

43 100

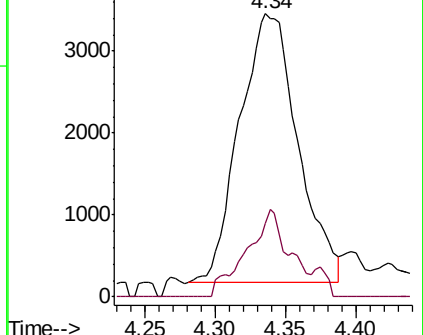
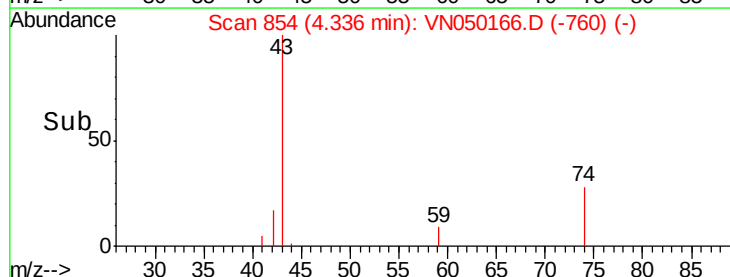
74 23.7 19.2 28.8

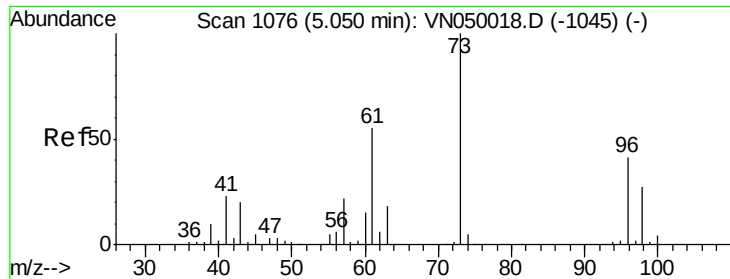


Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN050018.D (-830) (-)

Time-->

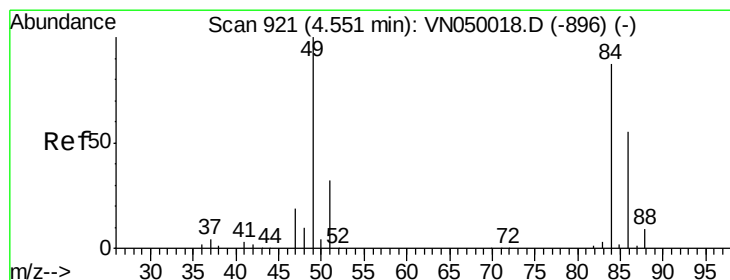
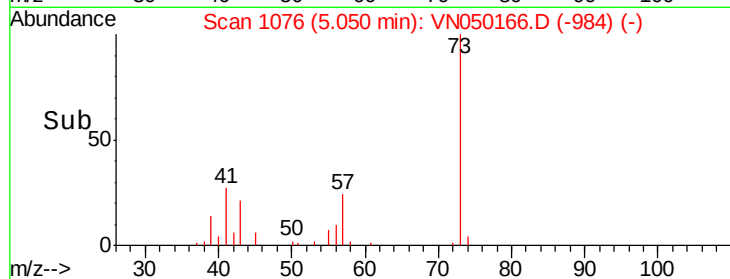
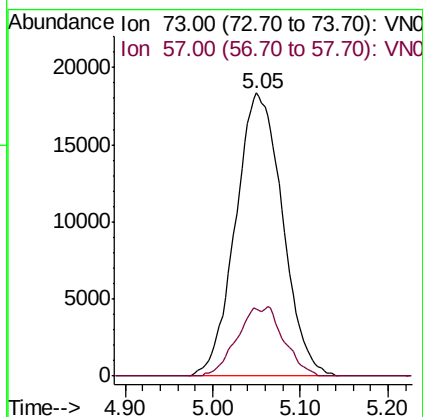
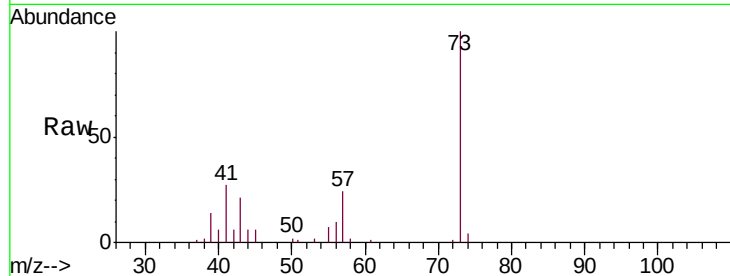




#19  
Methyl tert-butyl Ether  
Concen: 3.60 ug/l  
RT: 5.05 min Scan# 1076  
Delta R.T. -0.00 min  
Lab File: VN050166.D  
Acq: 28 Jul 2018 7:07

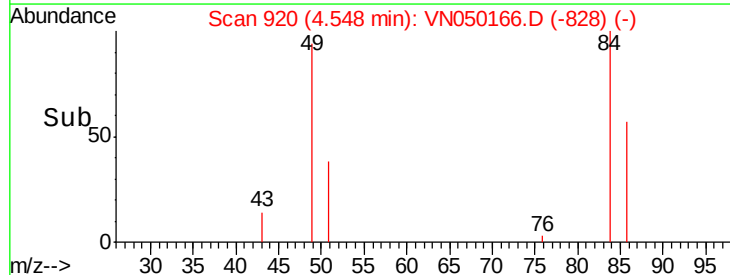
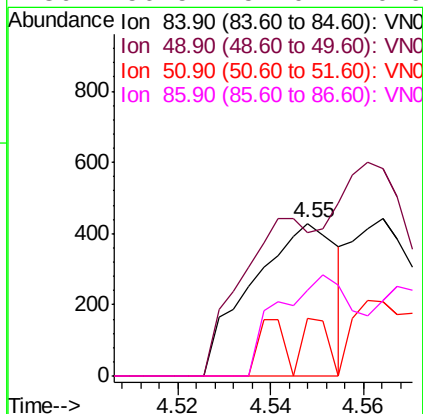
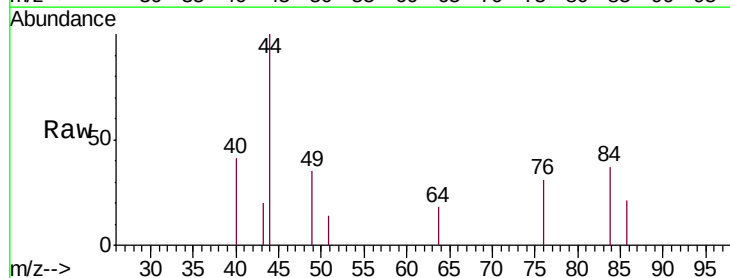
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-A10

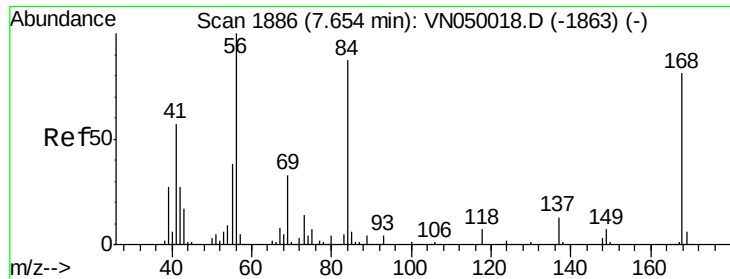
Tot Ion: 73 Resp: 68226  
Ion Ratio Lower Upper  
73 100  
57 23.8 18.0 27.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN050166.D  
Acq: 28 Jul 2018 7:07

Tgt Ion: 84 Resp: 545  
Ion Ratio Lower Upper  
84 100  
49 94.2 94.8 142.2#  
51 37.6 28.3 42.5  
86 56.5 51.0 76.6

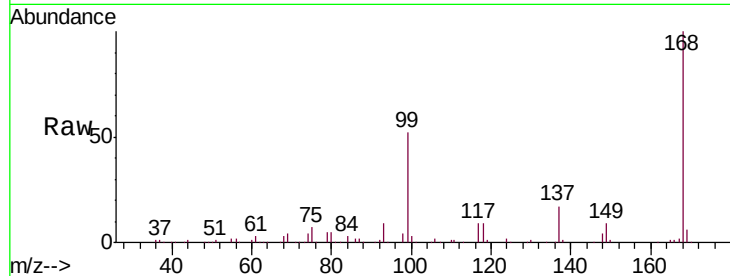




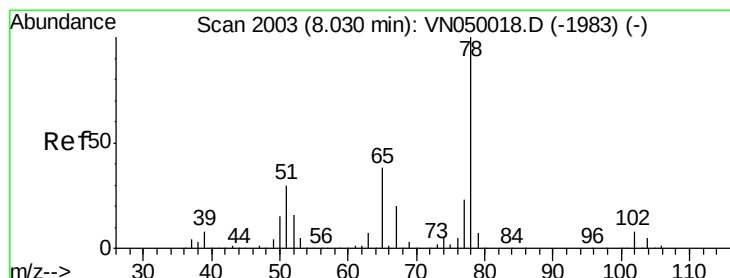
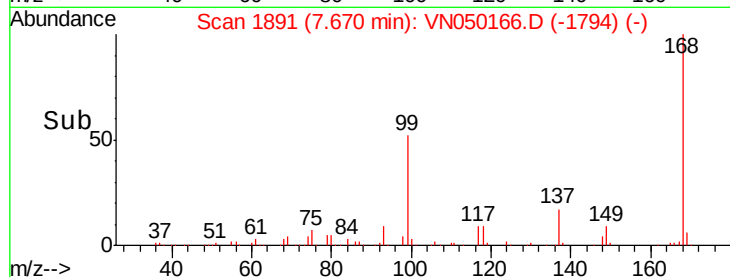
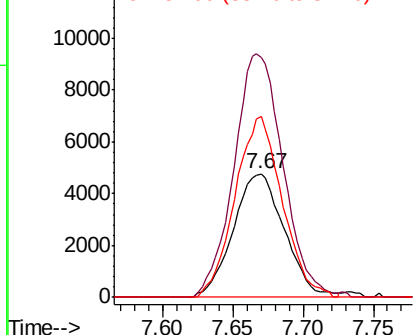
#31  
Cyclohexane  
Concen: 0.96 ug/l  
RT: 7.67 min Scan# 1891  
Delta R.T. 0.01 min  
Lab File: VN050166.D  
Acq: 28 Jul 2018 7:07

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-A10

Tot Ion: 56 Resp: 12135  
Ion Ratio Lower Upper  
56 100  
69 194.1 26.2 39.4#  
84 146.2 67.4 101.0#

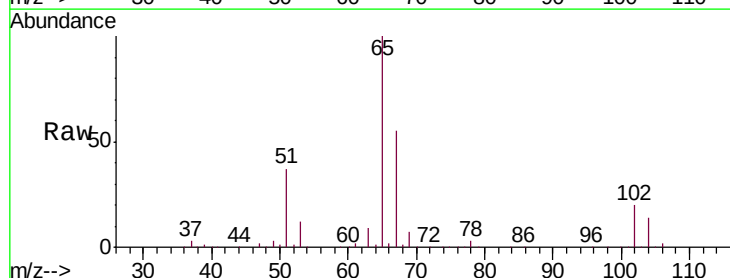


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

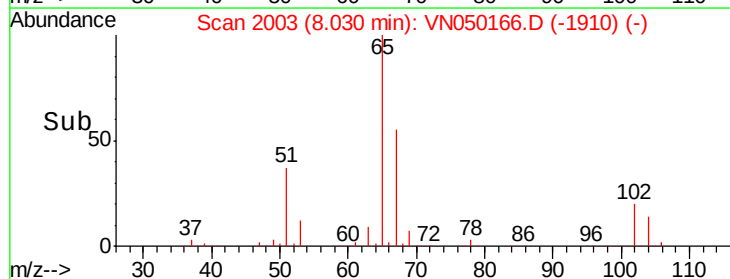
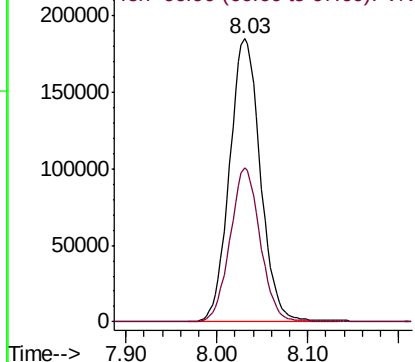


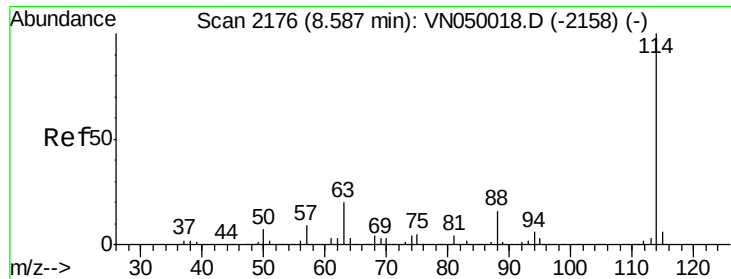
#33  
1,2-Dichloroethane-d4  
Concen: 50.84 ug/l  
RT: 8.03 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: VN050166.D  
Acq: 28 Jul 2018 7:07

Tgt Ion: 65 Resp: 437102  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0

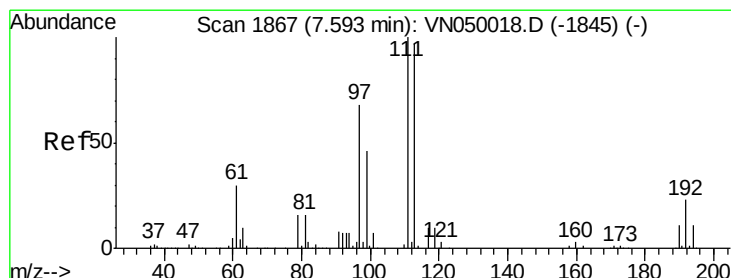
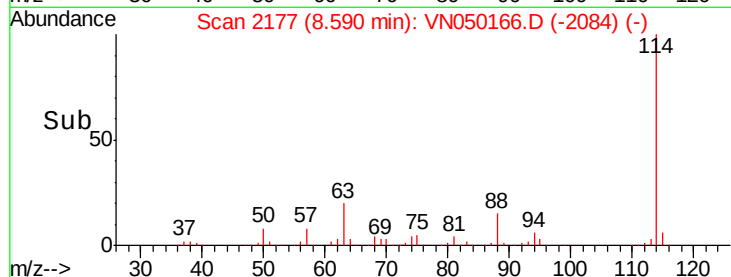
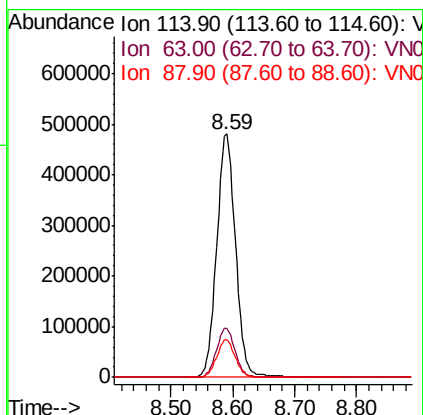
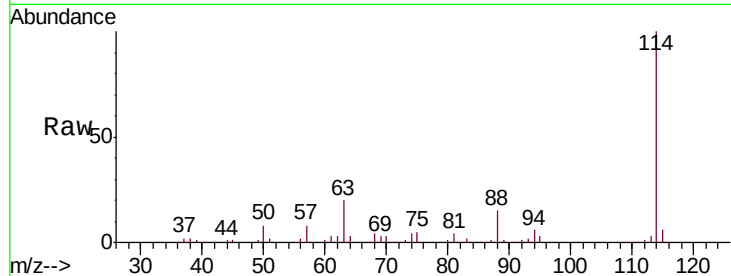




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050166.D  
 Acq: 28 Jul 2018 7:07

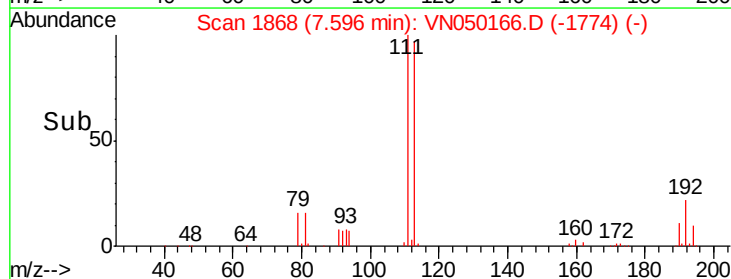
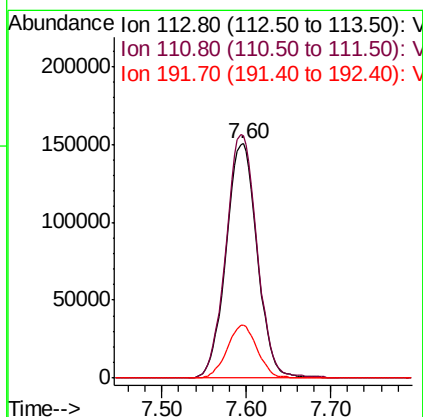
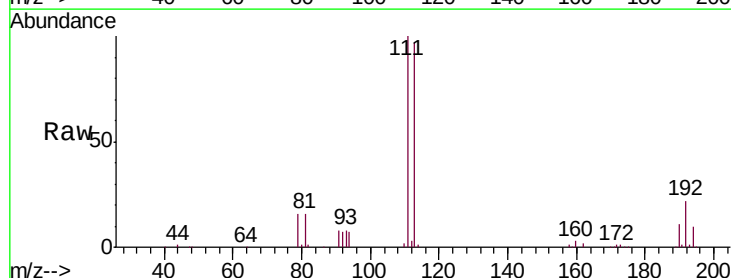
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-A10

Tot Ion:114 Resp: 1015782  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 40.0  
 88 15.4 0.0 31.2

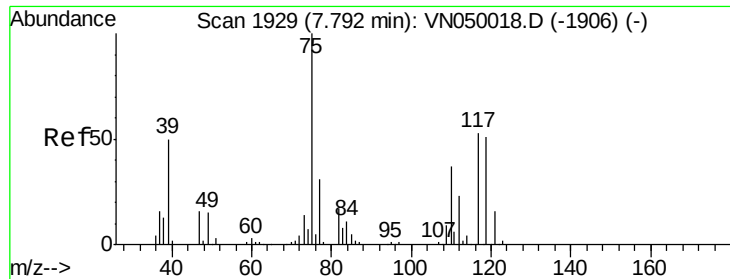


#35  
 Dibromofluoromethane  
 Concen: 46.62 ug/l  
 RT: 7.60 min Scan# 1868  
 Delta R.T. 0.00 min  
 Lab File: VN050166.D  
 Acq: 28 Jul 2018 7:07

Tgt Ion:113 Resp: 386675  
 Ion Ratio Lower Upper  
 113 100  
 111 103.9 80.7 121.1  
 192 21.9 17.8 26.6



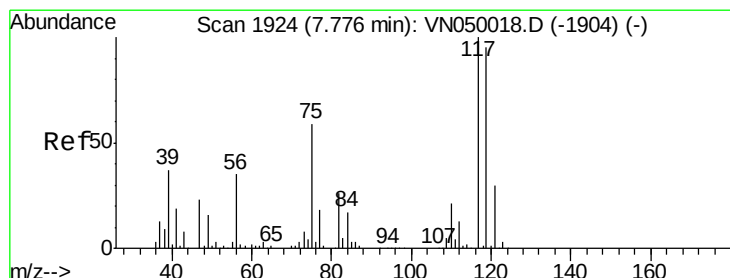
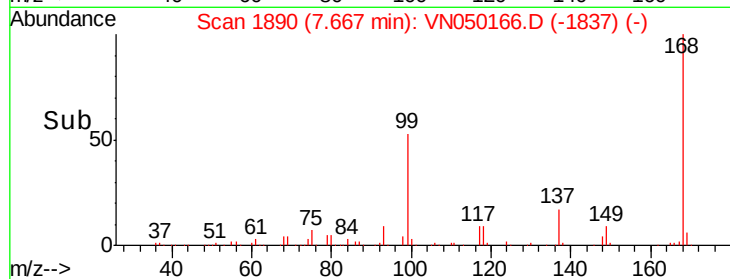
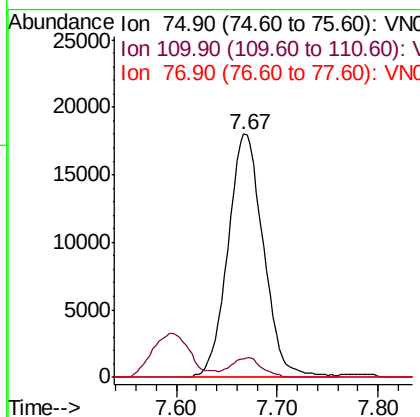
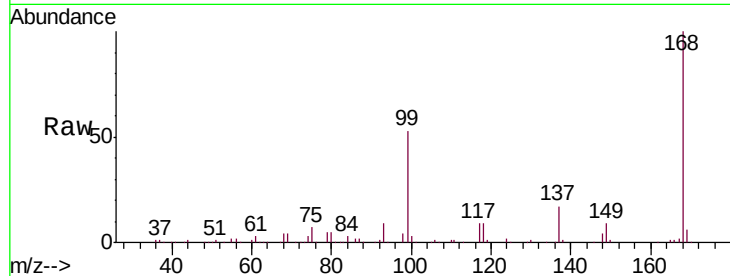




#36  
 1,1-Dichloropropene  
 Concen: 3.86 ug/l  
 RT: 7.67 min Scan# 1890  
 Delta R.T. -0.13 min  
 Lab File: VN050166.D  
 Acq: 28 Jul 2018 7:07

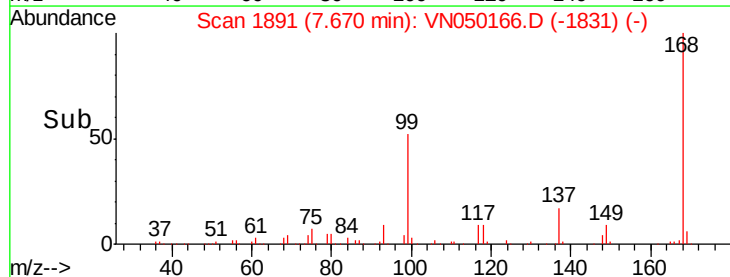
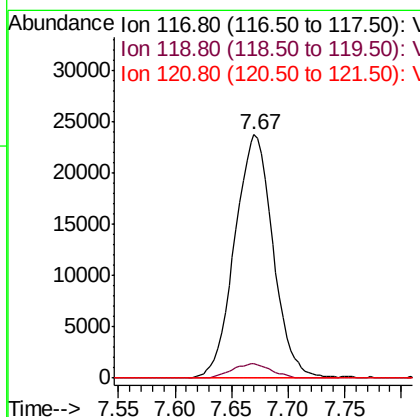
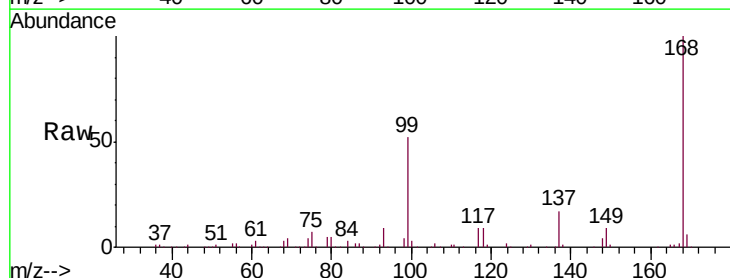
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-A10

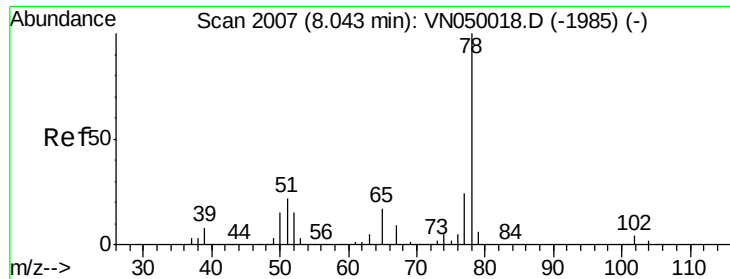
| Tot Ion   | 75  | Resp  | 44180 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 75        | 100 |       |       |
| 110       | 7.0 | 18.4  | 55.2# |
| 77        | 0.0 | 25.3  | 37.9# |



#38  
 Carbon Tetrachloride  
 Concen: 4.60 ug/l  
 RT: 7.67 min Scan# 1891  
 Delta R.T. -0.11 min  
 Lab File: VN050166.D  
 Acq: 28 Jul 2018 7:07

| Tgt Ion                                              | 117 | Resp  | 55878  |
|------------------------------------------------------|-----|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100 | Lower | Upper  |
| 117                                                  | 100 |       |        |
| 119                                                  | 6.1 | 77.4  | 116.0# |
| 121                                                  | 0.0 | 23.9  | 35.9#  |





#40

Benzene

Concen: 0.49 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampleId :

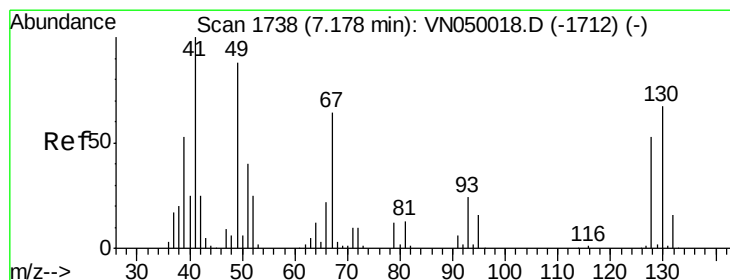
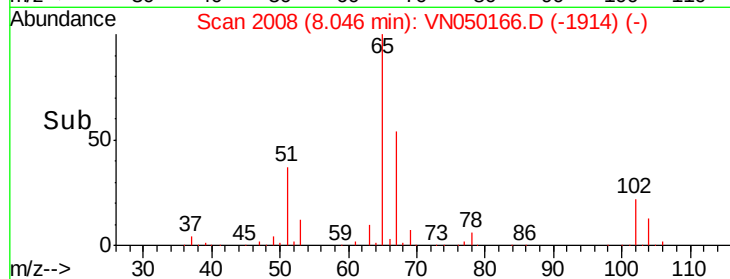
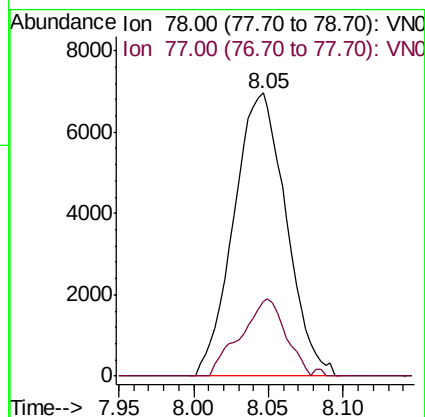
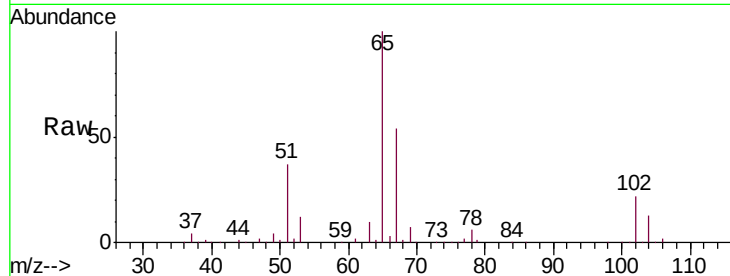
MW-A10

Tot Ion: 78 Resp: 16982

Ion Ratio Lower Upper

78 100

77 26.3 18.7 28.1



#41

Methacrylonitrile

Concen: 2.77 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.05 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Tgt Ion: 41 Resp: 95

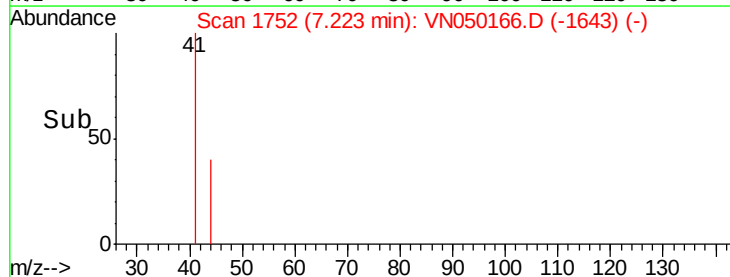
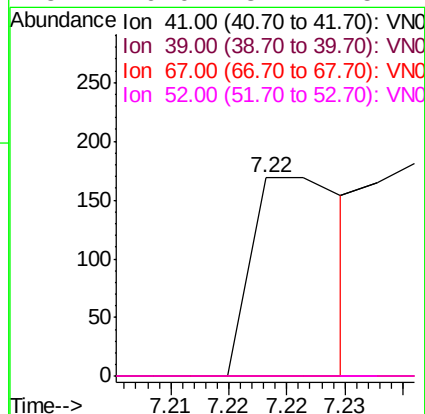
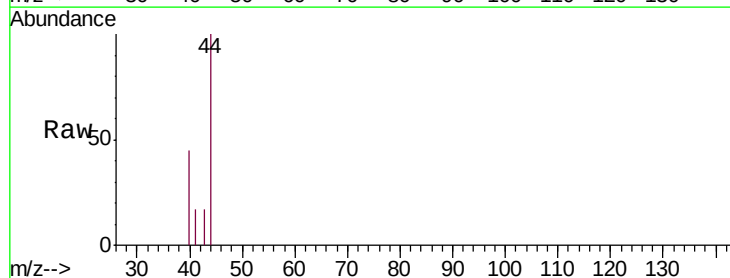
Ion Ratio Lower Upper

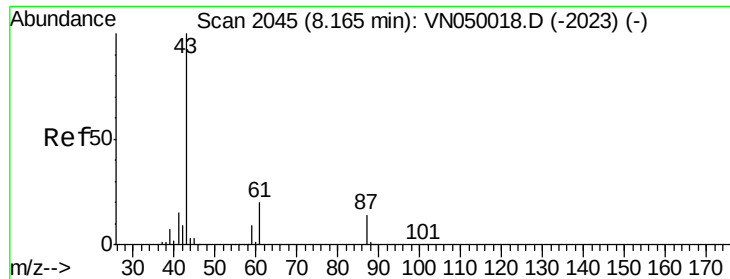
41 100

39 0.0 55.8 83.6#

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#





#43

Isopropyl Acetate

Concen: 12.50 ug/l

RT: 8.27 min Scan# 2077

Delta R.T. 0.10 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampleId :

MW-A10

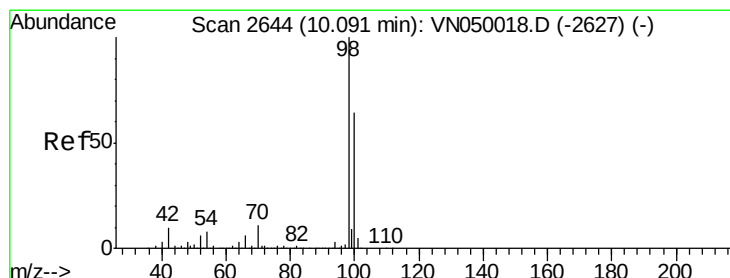
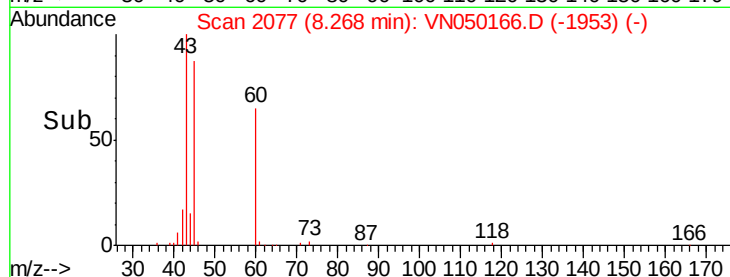
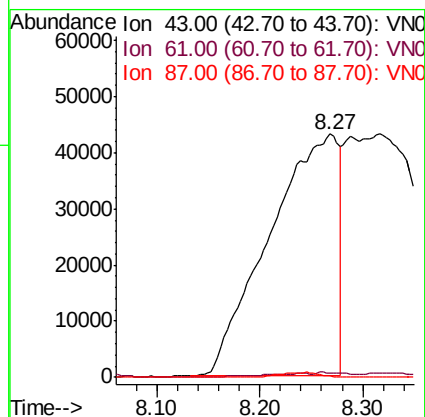
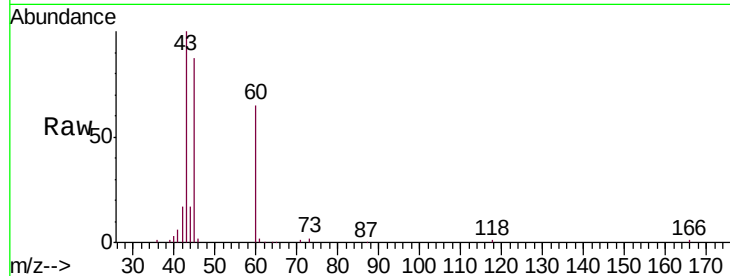
Tot Ion: 43 Resp: 200765

Ion Ratio Lower Upper

43 100

61 0.2 15.8 23.6#

87 0.0 10.3 15.5#



#50

Toluene-d8

Concen: 44.86 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050166.D

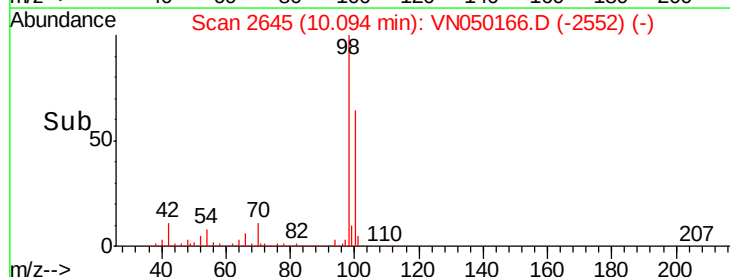
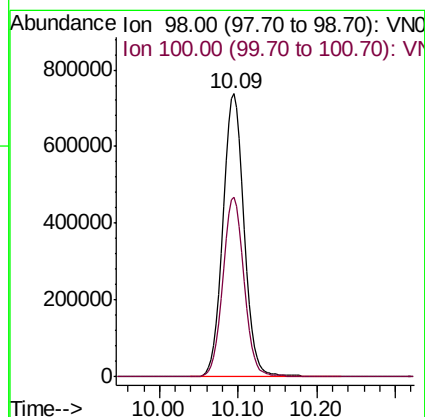
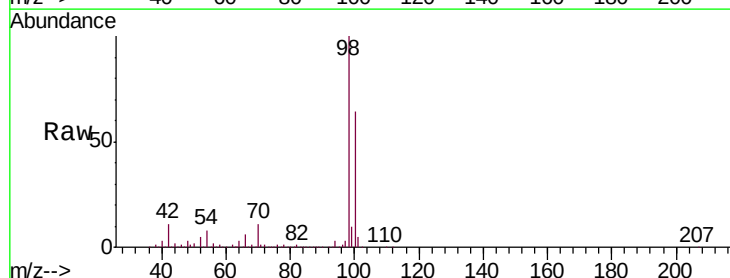
Acq: 28 Jul 2018 7:07

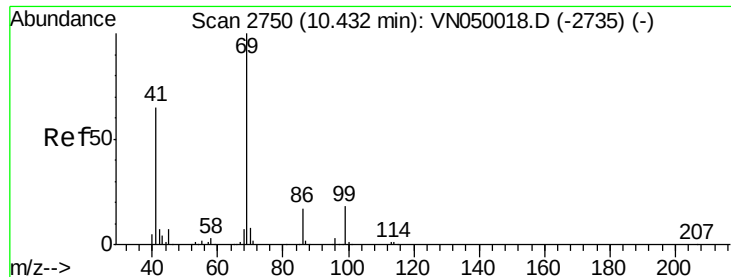
Tgt Ion: 98 Resp: 1367868

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1





#56

Ethyl methacrylate

Concen: 2.08 ug/l

RT: 10.42 min Scan# 2747

Delta R.T. -0.01 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampled :

MW-A10

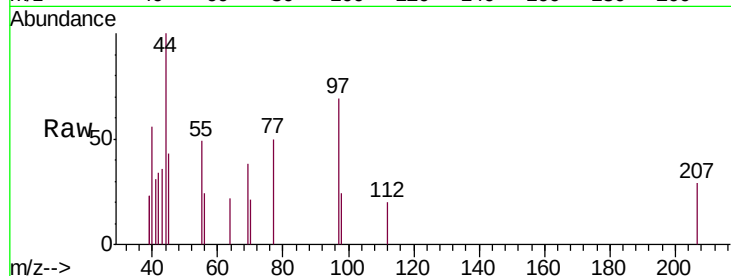
Tot Ion: 69 Resp: 529

Ion Ratio Lower Upper

69 100

41 133.1 51.0 76.4#

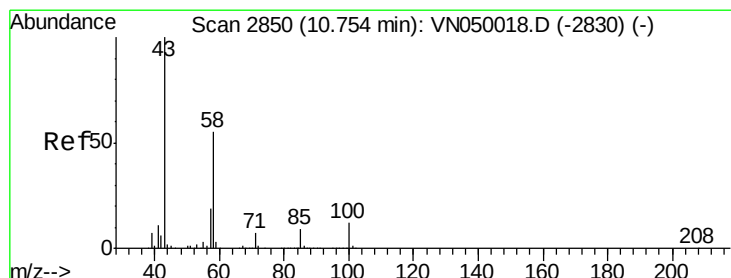
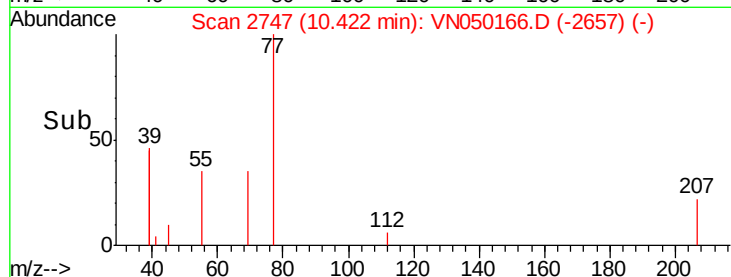
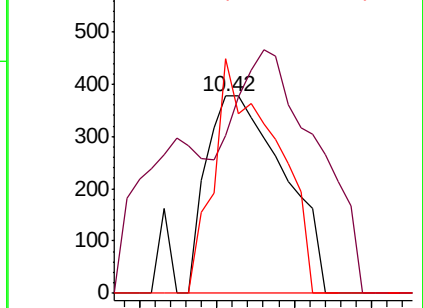
39 93.4 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 5.23 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050166.D

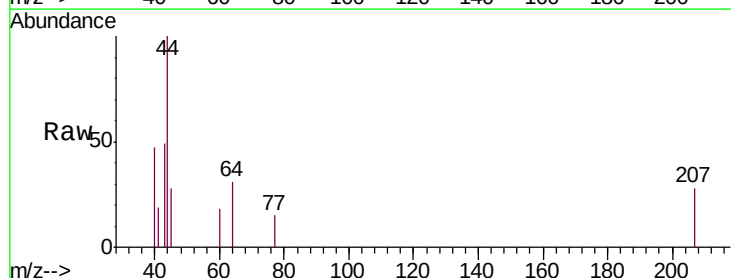
Acq: 28 Jul 2018 7:07

Tgt Ion: 43 Resp: 339

Ion Ratio Lower Upper

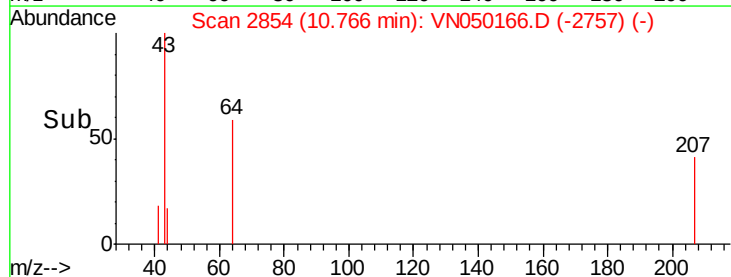
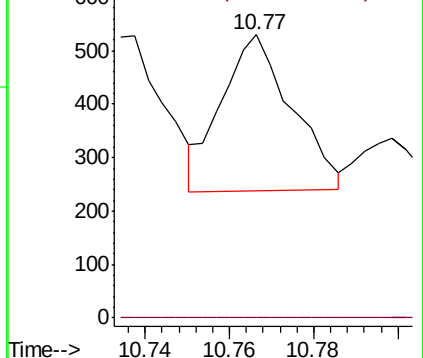
43 100

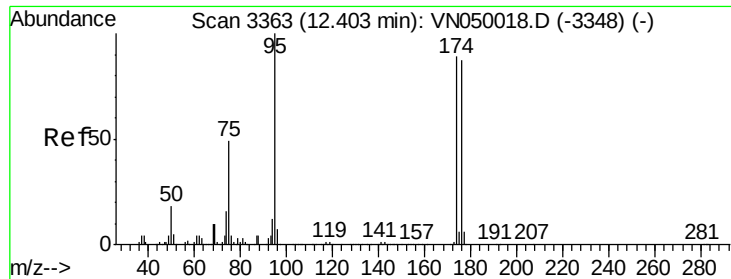
58 0.0 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 38.66 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampleId :

MW-A10

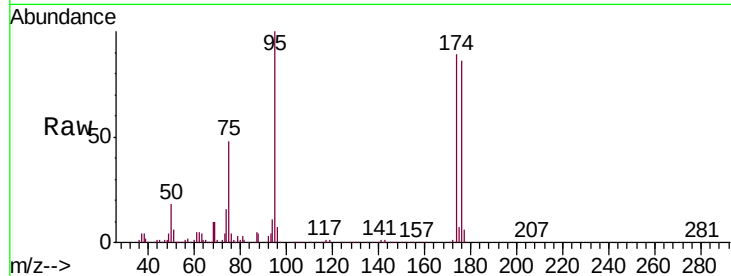
Tot Ion: 95 Resp: 388142

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.2

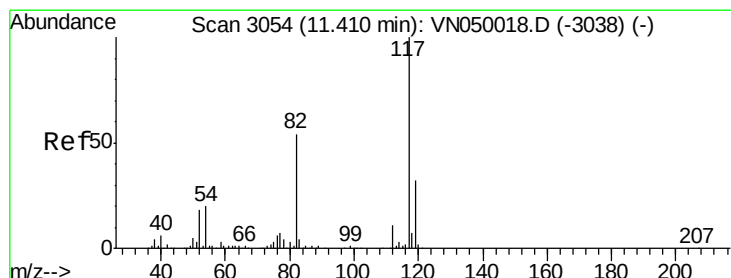
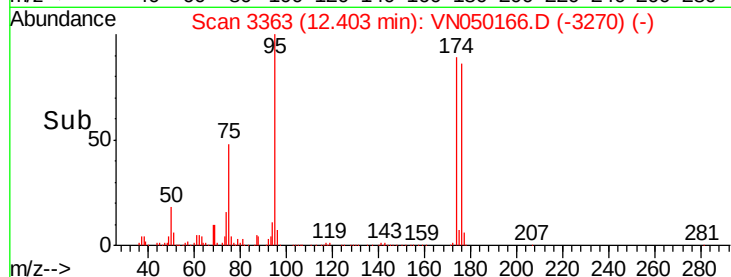
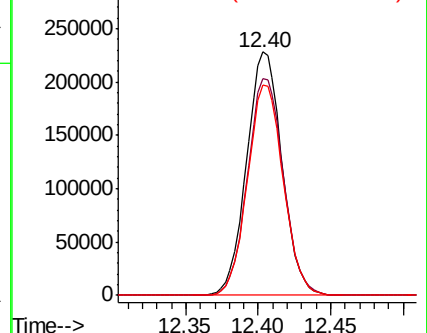
176 87.1 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN050018.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050018.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050018.D (-3348) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

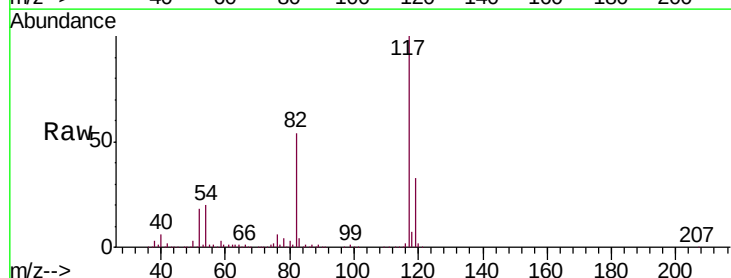
Tgt Ion: 117 Resp: 840625

Ion Ratio Lower Upper

117 100

82 53.9 43.7 65.5

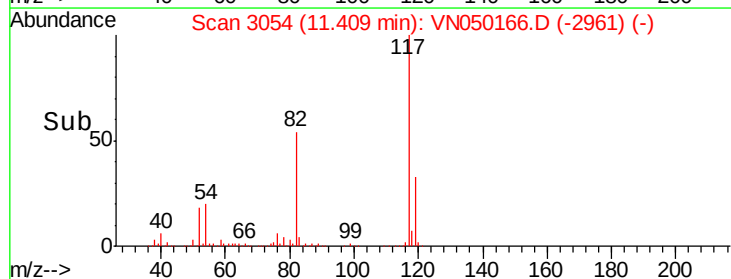
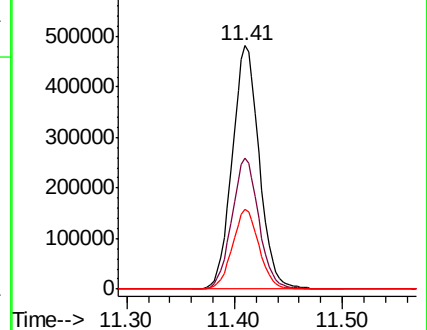
119 32.5 26.1 39.1

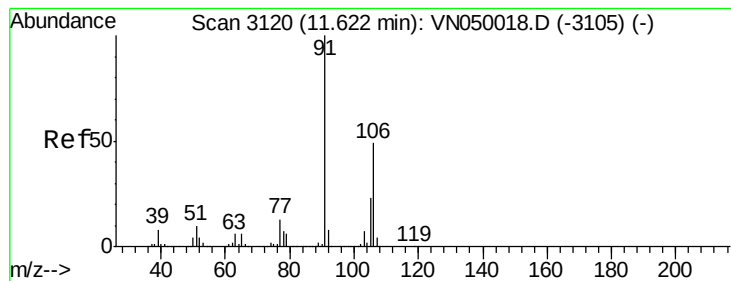


Abundance Ion 116.90 (116.60 to 117.60): VN050018.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050018.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050018.D (-3038) (-)





#68

m/p-Xylenes

Concen: 0.24 ug/l

RT: 11.63 min Scan# 3124

Delta R.T. 0.01 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampled :

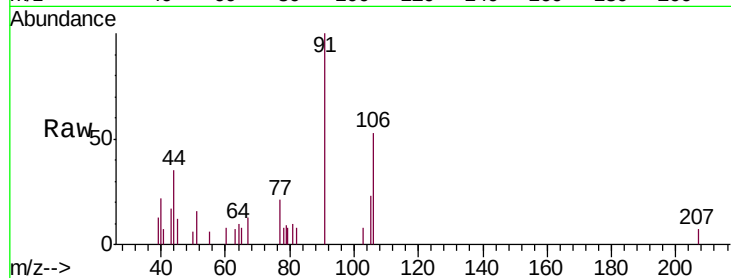
MW-A10

Tot Ion:106 Resp: 3071

Ion Ratio Lower Upper

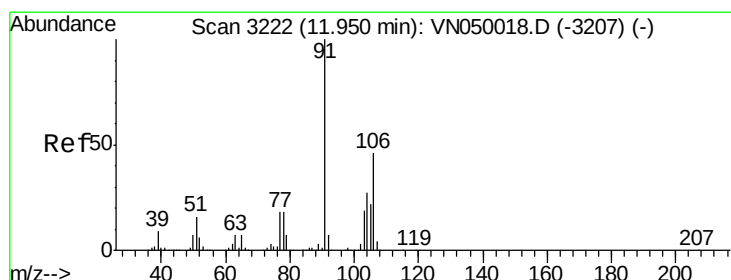
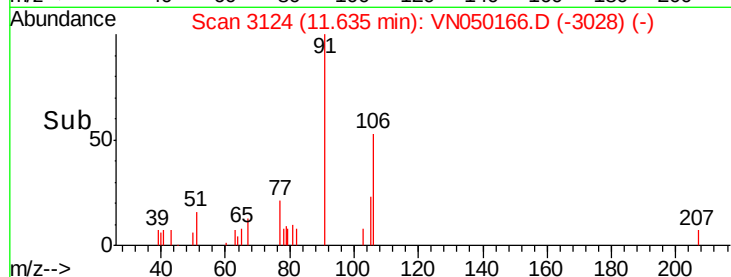
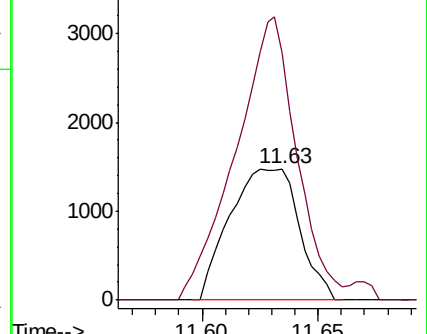
106 100

91 189.7 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.24 ug/l

RT: 11.95 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN050166.D

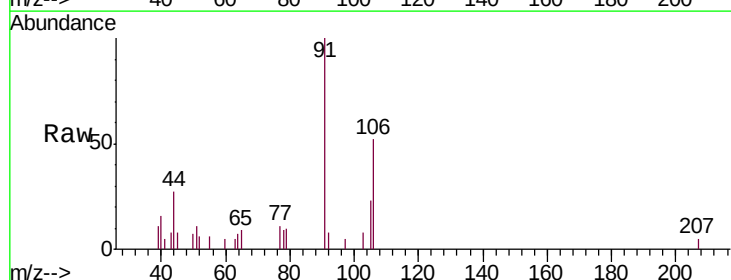
Acq: 28 Jul 2018 7:07

Tgt Ion:106 Resp: 2999

Ion Ratio Lower Upper

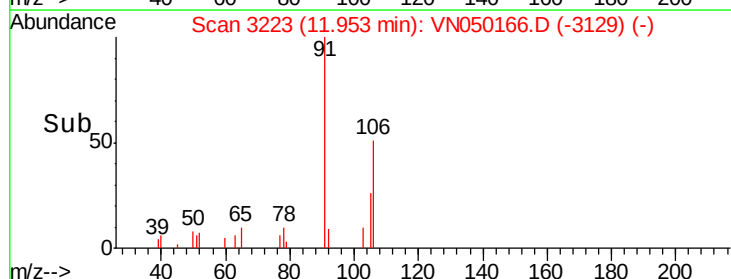
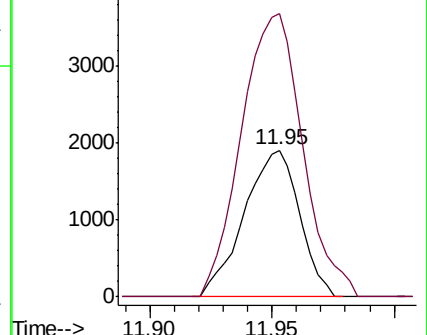
106 100

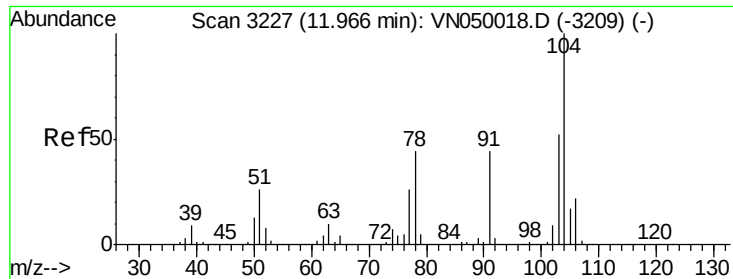
91 214.4 107.7 323.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

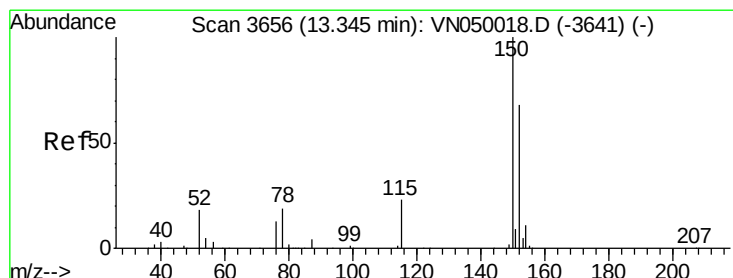
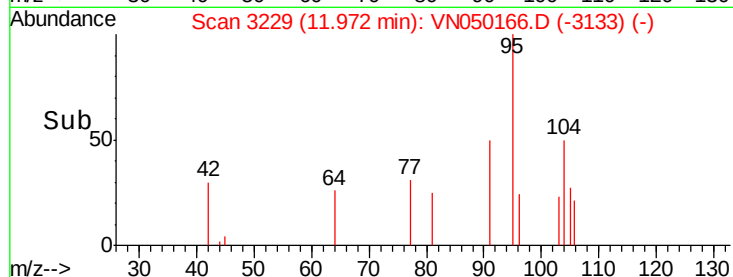
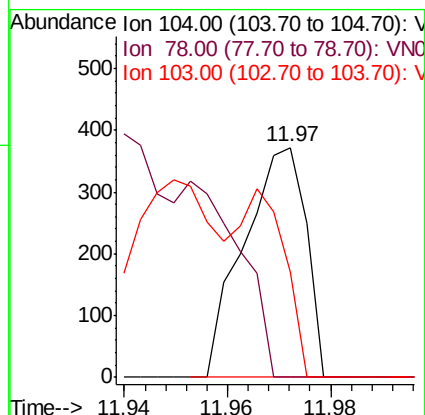
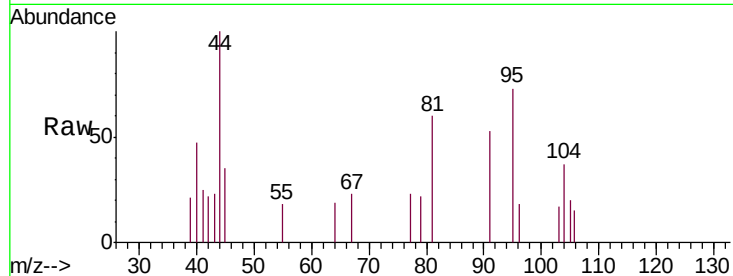




#70  
Stvrene  
Concen: 0.94 ug/l  
RT: 11.97 min Scan# 3229  
Delta R.T. 0.01 min  
Lab File: VN050166.D  
Acq: 28 Jul 2018 7:07

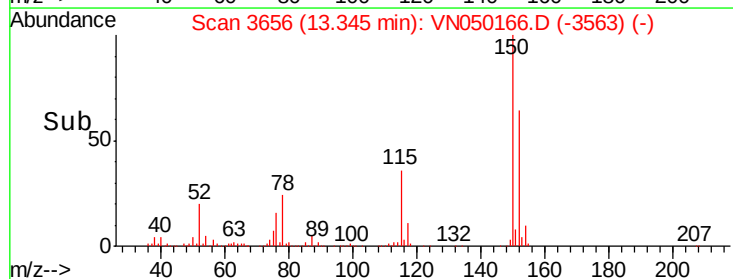
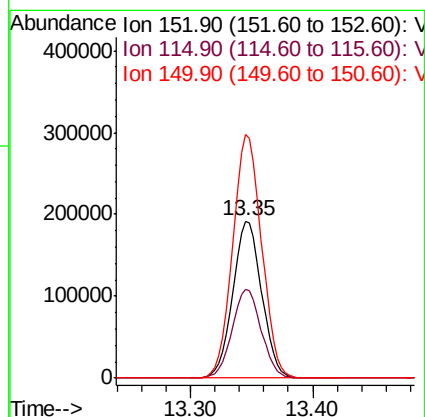
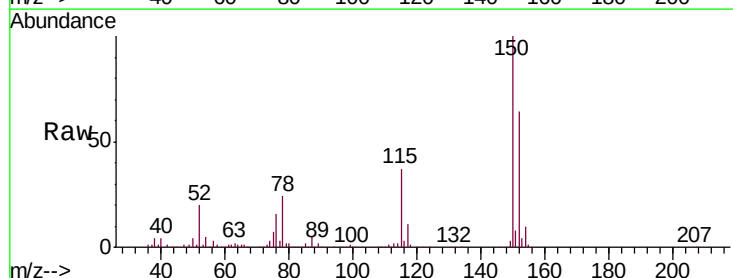
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-A10

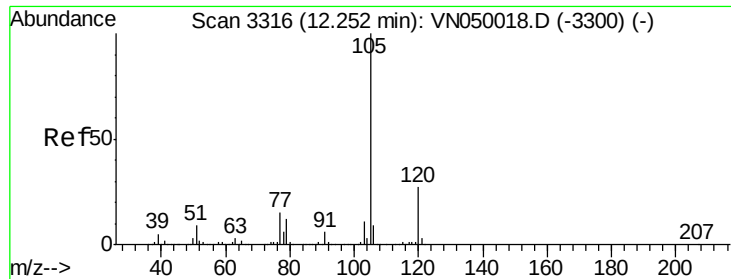
Tot Ion:104 Resp: 308  
Ion Ratio Lower Upper  
104 100  
78 0.0 39.3 58.9#  
103 0.0 45.0 67.6#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN050166.D  
Acq: 28 Jul 2018 7:07

Tgt Ion:152 Resp: 316044  
Ion Ratio Lower Upper  
152 100  
115 57.1 27.8 83.3  
150 155.0 0.0 348.6





#73

Isopropylbenzene

Concen: 0.87 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampled :

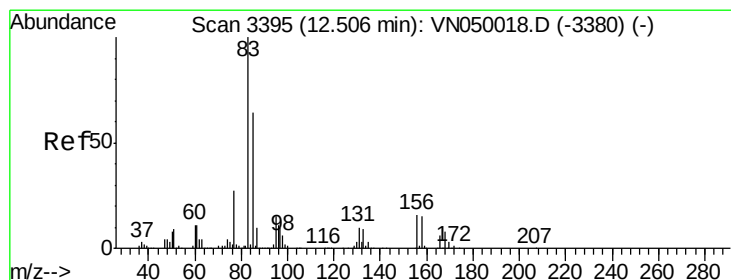
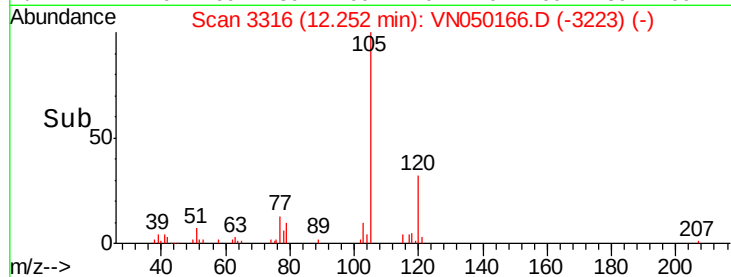
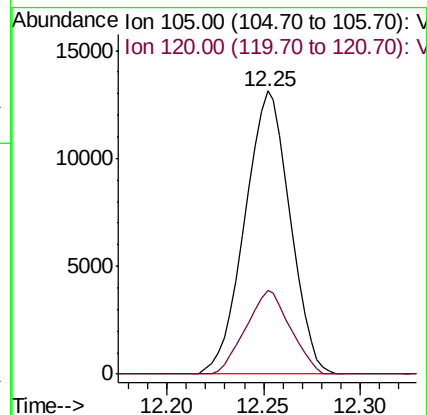
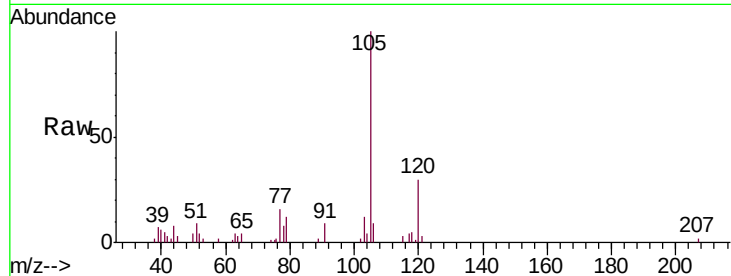
MW-A10

Tot Ion:105 Resp: 21317

Ion Ratio Lower Upper

105 100

120 29.0 13.3 39.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3387

Delta R.T. -0.02 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

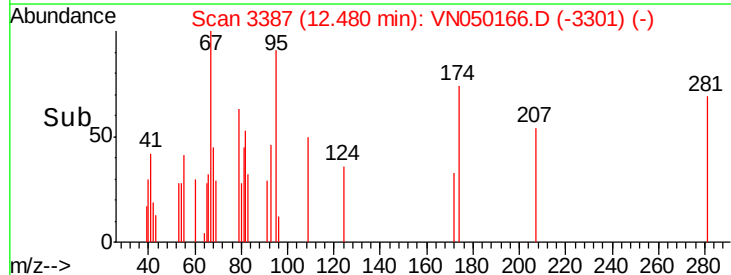
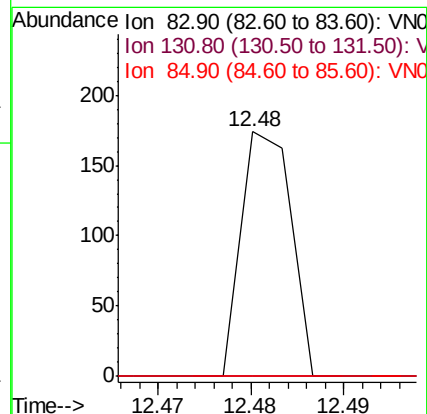
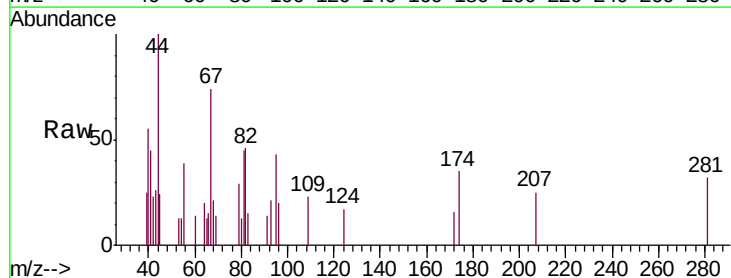
Tgt Ion: 83 Resp: 65

Ion Ratio Lower Upper

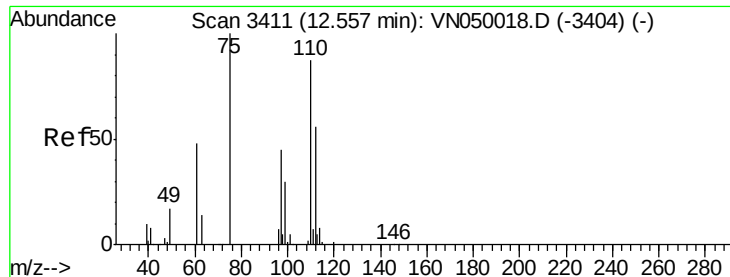
83 100

131 0.0 5.1 15.3#

85 0.0 32.3 96.8#







#76

1,2,3-Trichloropropane

Concen: 31.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampleId :

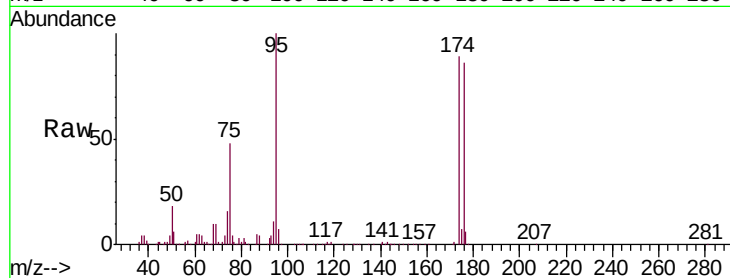
MW-A10

Tot Ion: 75 Resp: 187751

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

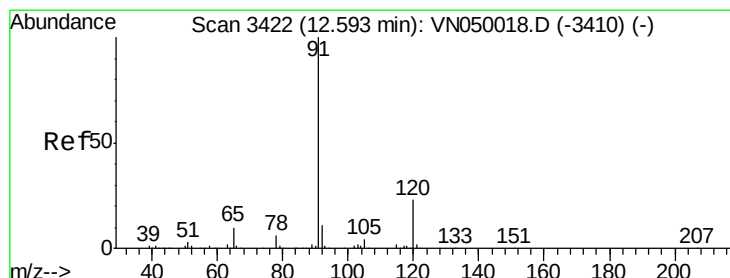
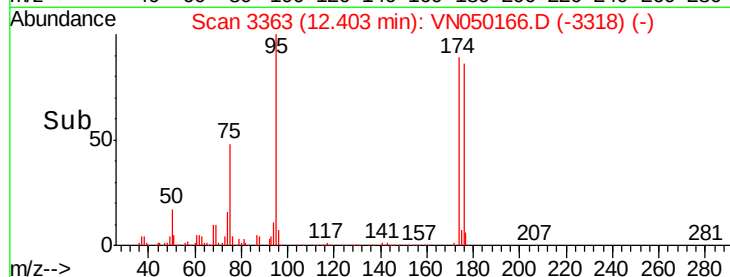
40000

20000

0

12.35 12.40 12.45

Time-->



#78

n-propylbenzene

Concen: 0.24 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050166.D

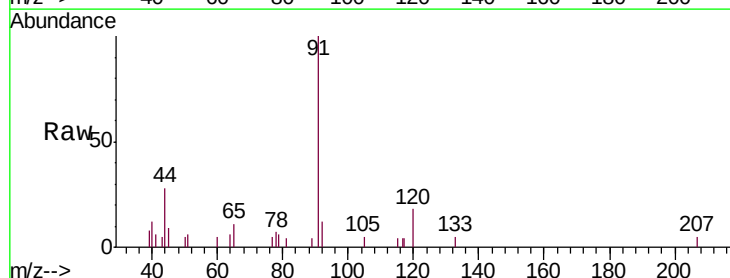
Acq: 28 Jul 2018 7:07

Tgt Ion: 91 Resp: 6508

Ion Ratio Lower Upper

91 100

120 20.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

4000

3000

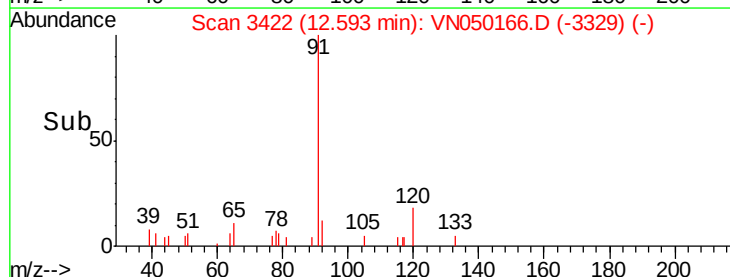
2000

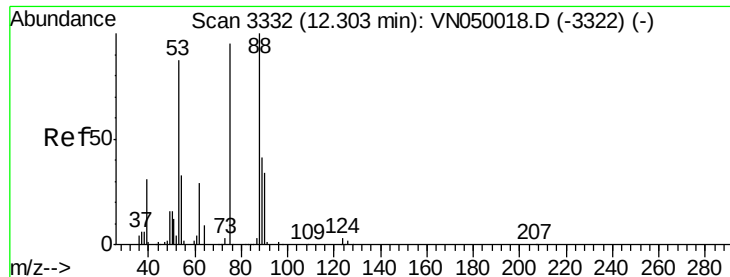
1000

0

12.55 12.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 101.39 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampleId :

MW-A10

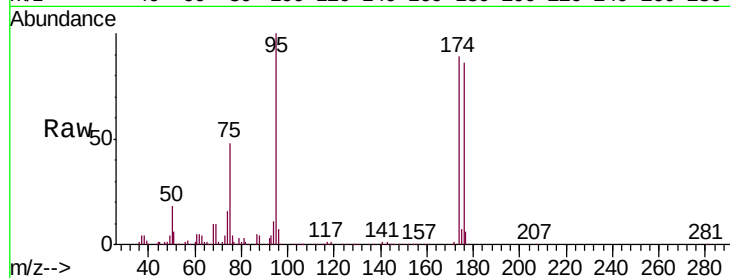
Tot Ion: 75 Resp: 187751

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

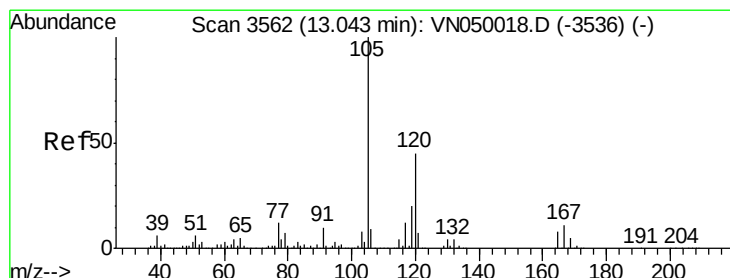
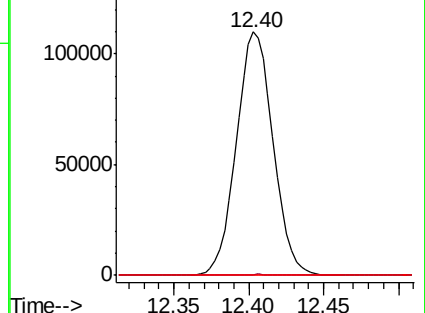
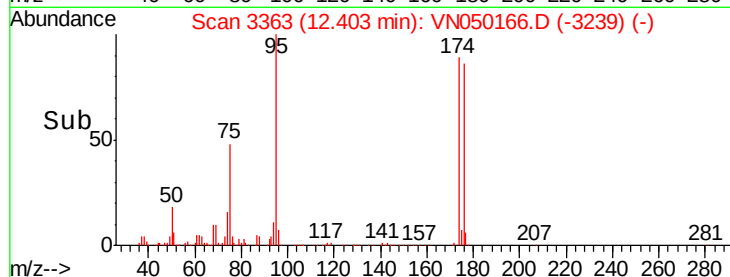
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.22 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050166.D

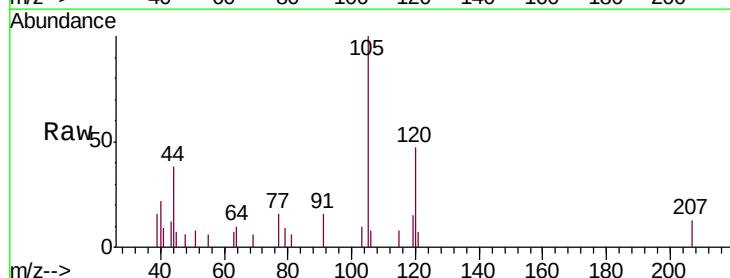
Acq: 28 Jul 2018 7:07

Tgt Ion: 105 Resp: 4291

Ion Ratio Lower Upper

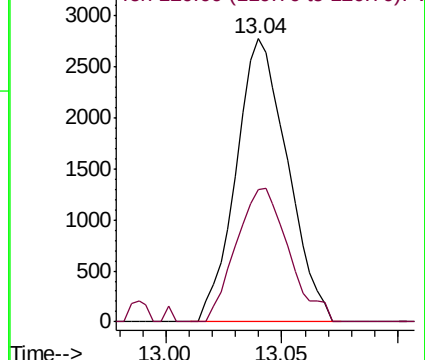
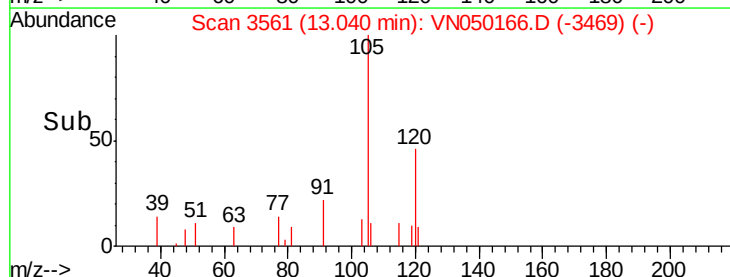
105 100

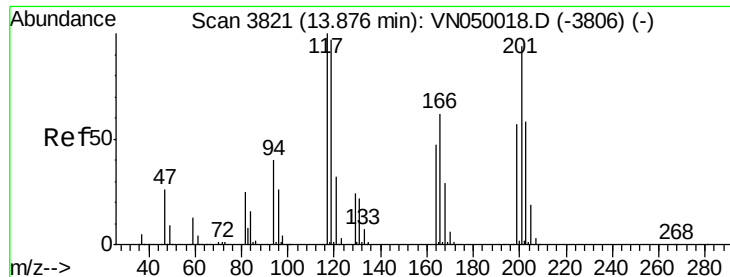
120 48.0 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.26 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

Instrument :

MSVOA\_N

ClientSampleId :

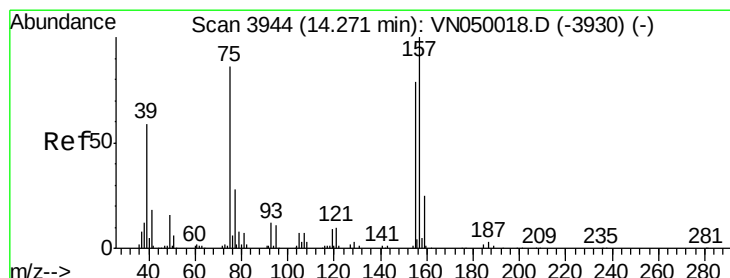
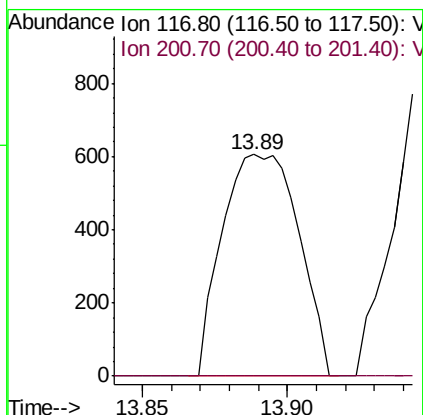
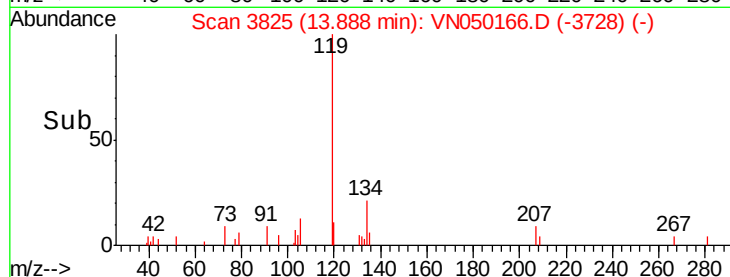
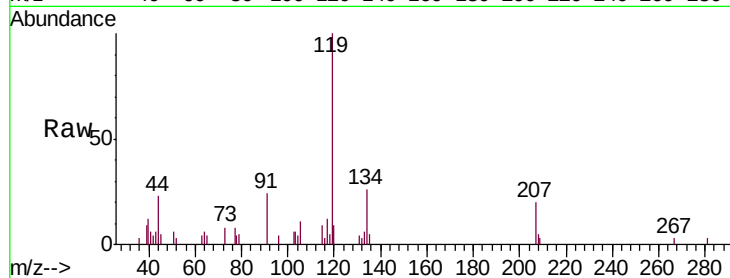
MW-A10

Tot Ion:117 Resp: 1111

Ion Ratio Lower Upper

117 100

201 0.0 45.6 136.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.32 min Scan# 3958

Delta R.T. 0.05 min

Lab File: VN050166.D

Acq: 28 Jul 2018 7:07

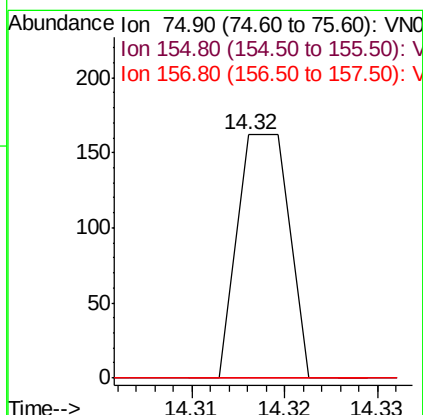
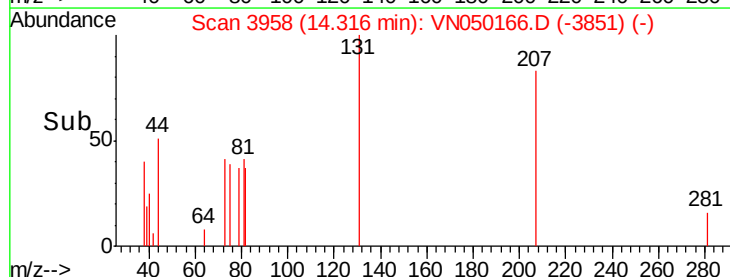
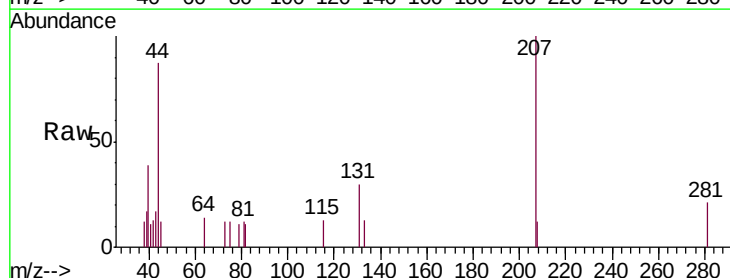
Tgt Ion: 75 Resp: 63

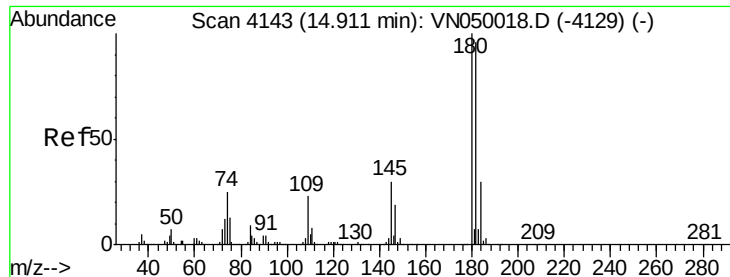
Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 0.0 57.2 171.6#

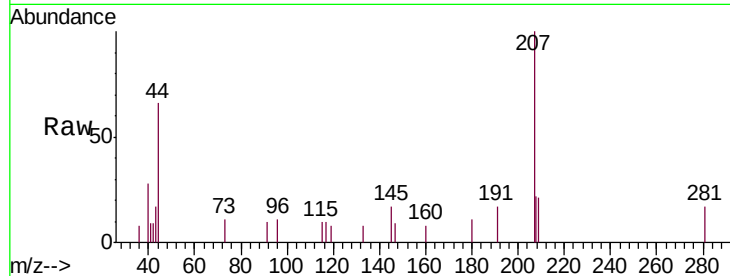




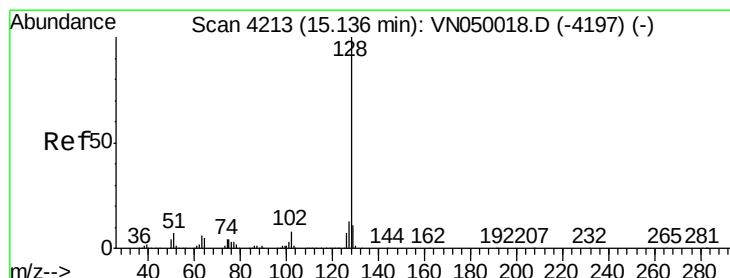
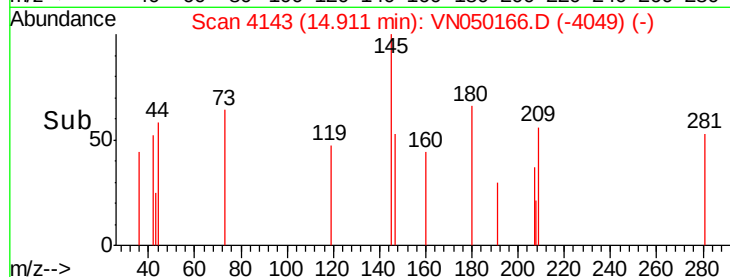
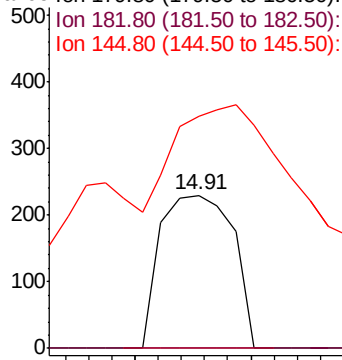
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.12 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. 0.00 min  
 Lab File: VN050166.D  
 Acq: 28 Jul 2018 7:07

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-A10

Tot Ion:180 Resp: 200  
 Ion Ratio Lower Upper  
 180 100  
 182 0.0 46.7 140.1#  
 145 301.5 13.8 41.4#

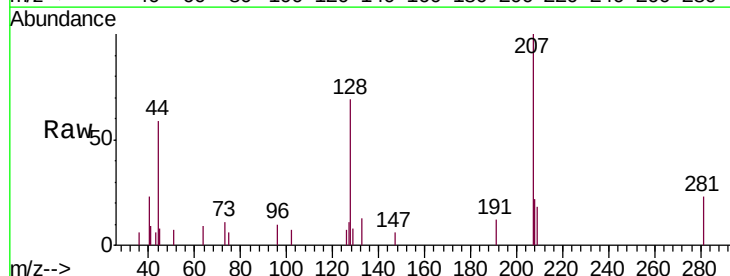


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

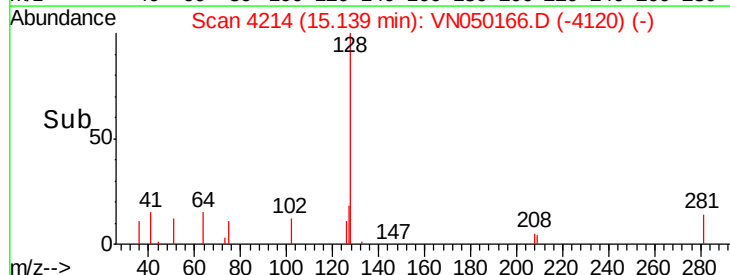
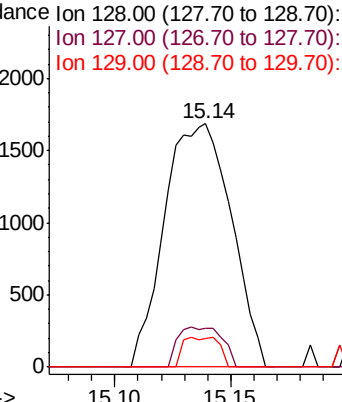


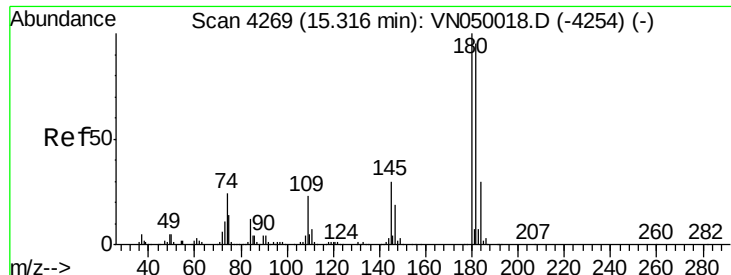
#95  
 Naphthalene  
 Concen: 4.63 ug/l  
 RT: 15.14 min Scan# 4214  
 Delta R.T. 0.00 min  
 Lab File: VN050166.D  
 Acq: 28 Jul 2018 7:07

Tgt Ion:128 Resp: 3358  
 Ion Ratio Lower Upper  
 128 100  
 127 10.8 10.4 15.6  
 129 6.6 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V  
 Ion 127.00 (126.70 to 127.70): V  
 Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.22 ua/l  
 RT: 15.33 min Scan# 4274  
 Delta R.T. 0.01 min  
 Lab File: VN050166.D  
 Acq: 28 Jul 2018 7:07

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-A10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 59     |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 0.0   | 48.1  | 144.4# |
| 145       | 0.0   | 15.3  | 45.9#  |

