

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\  
 Data File : VN050111.D  
 Acq On : 27 Jul 2018 4:04  
 Operator : MD\SY  
 Sample : J4163-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14B

Quant Time: Jul 27 07:56:20 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  | 693467   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1098079  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 941937   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 410928   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 465713   | 48.13 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.26% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 418814   | 46.71 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.42% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1516298  | 46.00 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.00% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 472503   | 43.54 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.08% |      |

## Target Compounds

|                                |       |     |        |            |   | Qvalue |
|--------------------------------|-------|-----|--------|------------|---|--------|
| 5) Bromomethane                | 2.54  | 94  | 113    | Below Cal  |   | 85     |
| 11) Tert butyl alcohol         | 4.79  | 59  | 1281   | 1.80 ug/l  | # | 72     |
| 16) Acetone                    | 3.82  | 43  | 194547 | 82.45 ug/l |   | 98     |
| 17) Carbon Disulfide           | 4.05  | 76  | 14965  | 0.61 ug/l  | # | 94     |
| 20) Methylene Chloride         | 4.54  | 84  | 1916   | Below Cal  | # | 81     |
| 25) 2-Butanone                 | 6.84  | 43  | 25780  | 6.99 ug/l  |   | 98     |
| 31) Cyclohexane                | 7.66  | 56  | 19756  | 1.42 ug/l  | # | 16     |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 48081  | 3.89 ug/l  | # | 49     |
| 37) Ethyl Acetate              | 6.84  | 43  | 25780  | 2.99 ug/l  | # | 69     |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 61958  | 4.72 ug/l  | # | 16     |
| 39) Methylcyclohexane          | 9.09  | 83  | 27032  | 2.12 ug/l  |   | 98     |
| 41) Methacrylonitrile          | 7.20  | 41  | 143    | 2.78 ug/l  | # | 10     |
| 43) Isopropyl Acetate          | 8.27  | 43  | 234999 | 13.63 ug/l | # | 61     |
| 48) Methyl methacrylate        | 9.27  | 41  | 2172   | 0.29 ug/l  | # | 82     |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97  | 10204  | 1.16 ug/l  | # | 19     |
| 56) Ethyl methacrylate         | 10.43 | 69  | 6279   | 2.54 ug/l  | # | 21     |
| 59) 2-Hexanone                 | 10.76 | 43  | 936    | 5.32 ug/l  |   | 63     |
| 70) Styrene                    | 11.97 | 104 | 216    | 0.93 ug/l  | # | 1      |
| 73) Isopropylbenzene           | 12.25 | 105 | 308299 | 9.67 ug/l  |   | 98     |
| 74) N-amyl acetate             | 12.05 | 43  | 6478   | 0.67 ug/l  | # | 62     |
| 75) 1,1,2,2-Tetrachloroethane  | 12.47 | 83  | 2569   | Below Cal  | # | 27     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 232177 | 30.40 ug/l | # | 100    |
| 77) Bromobenzene               | 12.57 | 156 | 21981  | 2.49 ug/l  | # | 1      |
| 78) n-propylbenzene            | 12.59 | 91  | 388349 | 10.90 ug/l |   | 100    |
| 79) 2-Chlorotoluene            | 12.59 | 91  | 388349 | 17.59 ug/l | # | 40     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 232177 | 96.43 ug/l | # | 13     |
| 82) 4-Chlorotoluene            | 12.59 | 91  | 388349 | 17.76 ug/l | # | 41     |
| 83) tert-Butylbenzene          | 13.00 | 119 | 32198  | 1.47 ug/l  |   | 96     |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 71359  | 2.82 ug/l  |   | 97     |
| 85) sec-Butylbenzene           | 13.17 | 105 | 241338 | 8.26 ug/l  |   | 87     |
| 86) p-Isopropyltoluene         | 13.44 | 119 | 127916 | 5.19 ug/l  |   | 97     |
| 89) n-Butylbenzene             | 13.62 | 91  | 87756  | 4.33 ug/l  | # | 72     |
| 90) Hexachloroethane           | 13.89 | 117 | 56362  | 10.31 ug/l | # | 4      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.29 | 75  | 643    | Below Cal  | # | 20     |

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Acq On : 27 Jul 2018 4:04  
Operator : MD\SY  
Sample : J4163-07  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14B

Quant Time: Jul 27 07:56:20 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

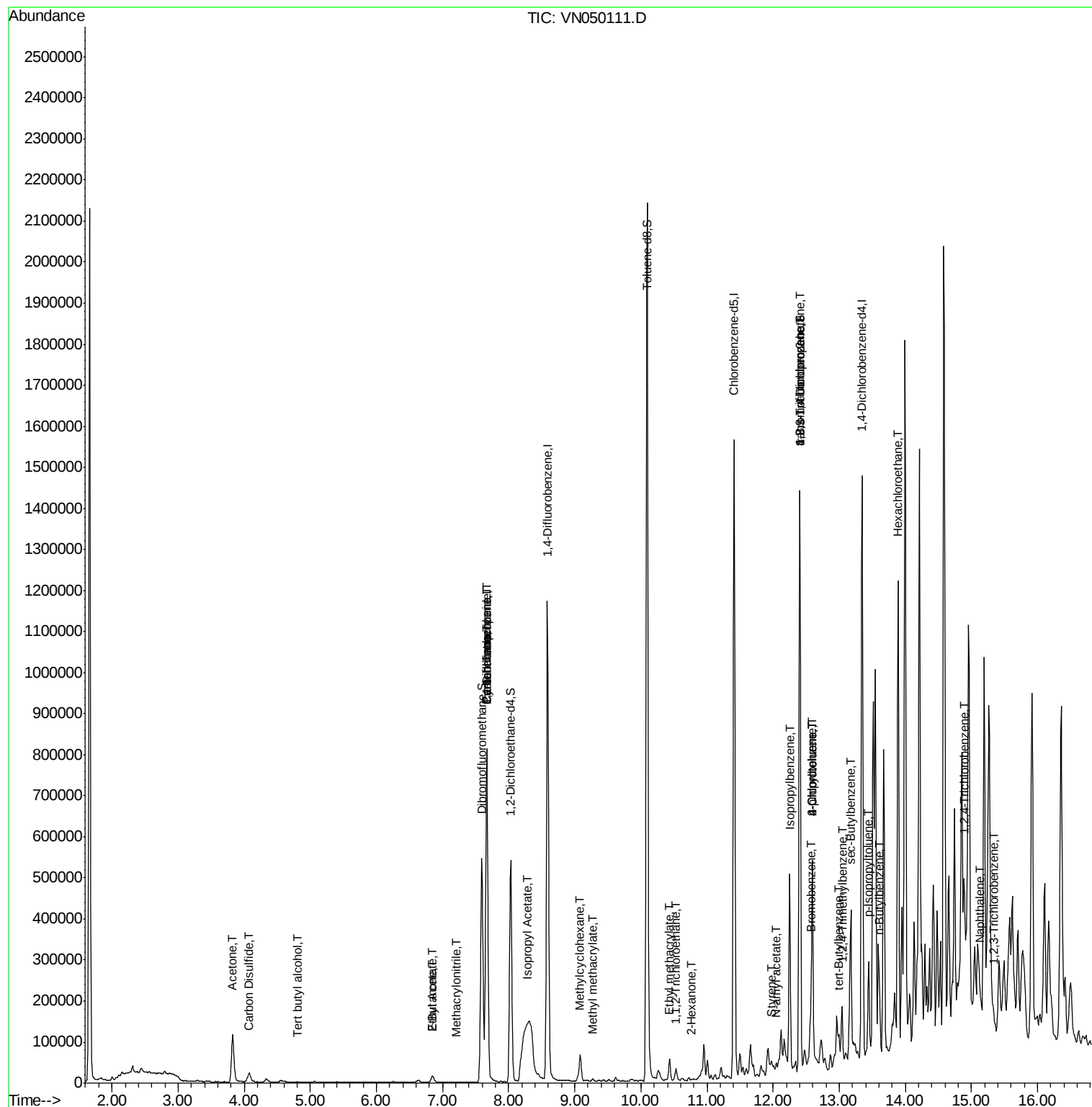
| Internal Standards         | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|----------------------------|-------|------|----------|------|--------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 303      | 3.12 | ug/l # | 72       |
| 95) Naphthalene            | 15.14 | 128  | 27761    | 5.76 | ug/l # | 83       |
| 96) 1,2,3-Trichlorobenzene | 15.35 | 180  | 152      | 2.22 | ug/l # | 44       |

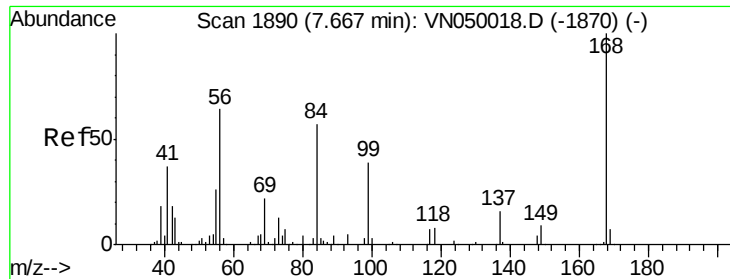
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\  
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Quant Time: Jul 27 07:56:20 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: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampled :

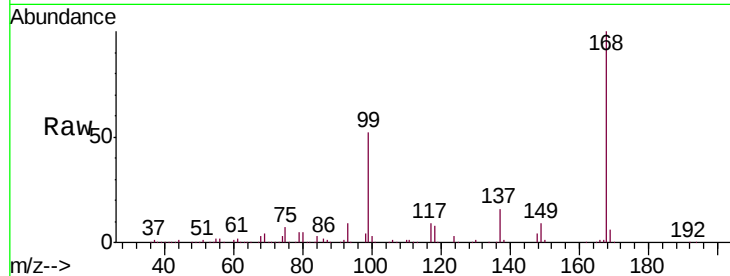
MW-14B

Tot Ion:168 Resp: 693467

Ion Ratio Lower Upper

168 100

99 52.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

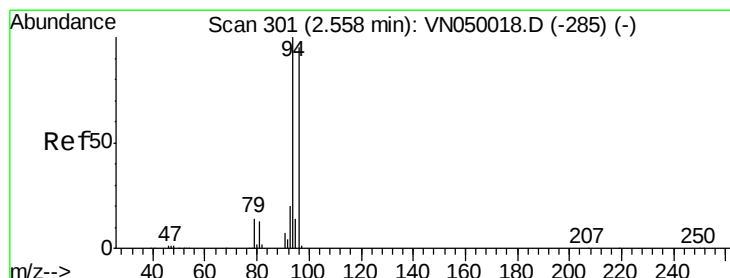
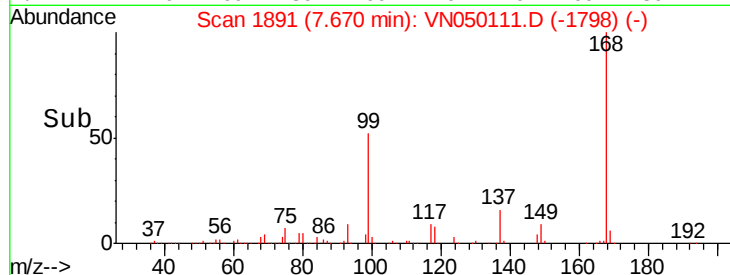
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 294

Delta R.T. -0.02 min

Lab File: VN050111.D

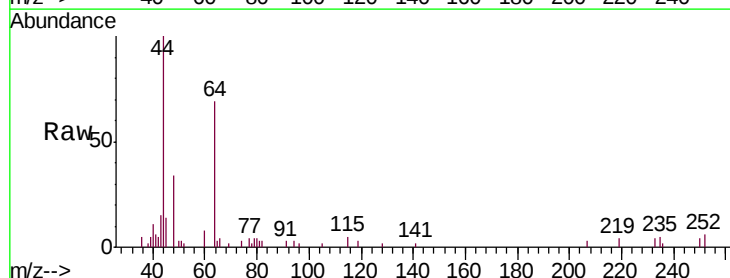
Acq: 27 Jul 2018 4:04

Tgt Ion: 94 Resp: 113

Ion Ratio Lower Upper

94 100

96 78.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

250

200

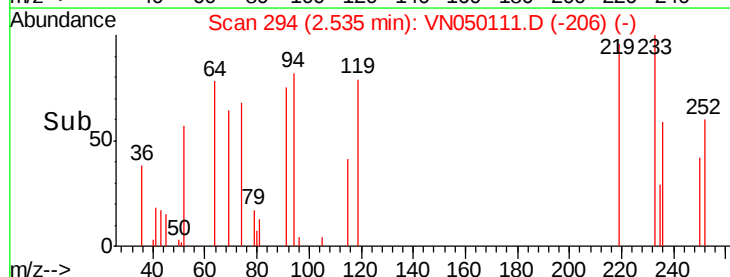
150

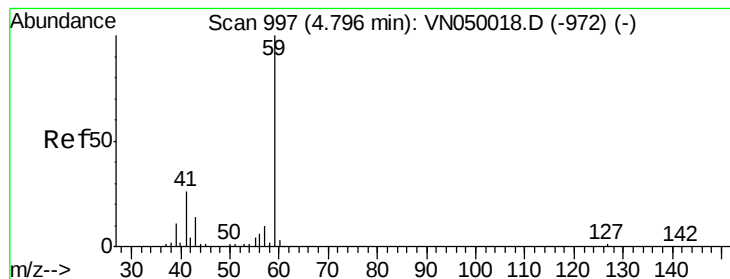
100

50

0

Time-->



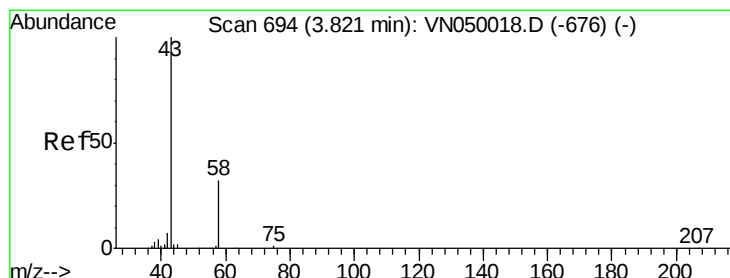
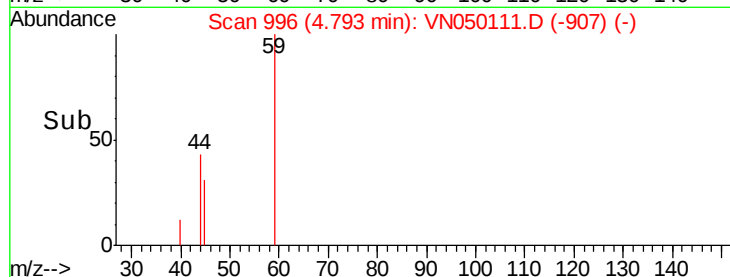
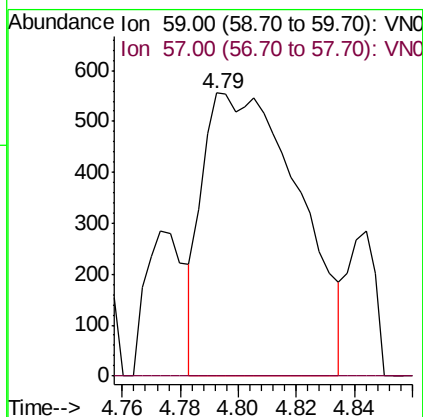
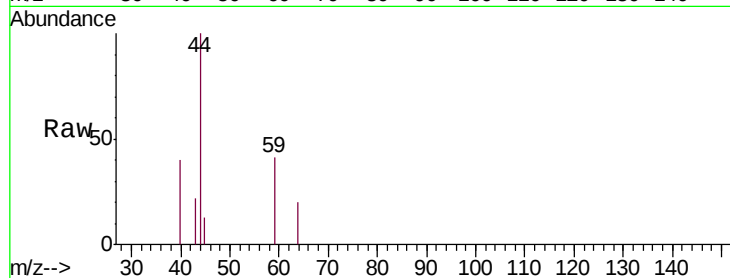


#11

Tert butyl alcohol  
 Concen: 1.80 ug/l  
 RT: 4.79 min Scan# 996  
 Delta R.T. -0.01 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-14B

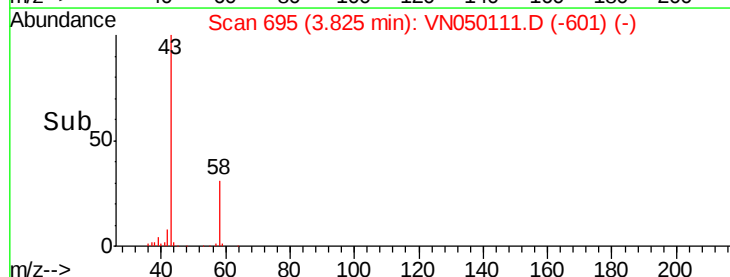
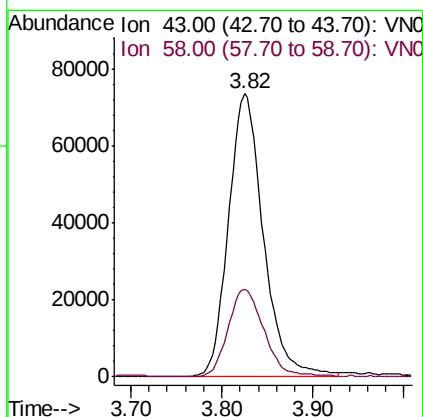
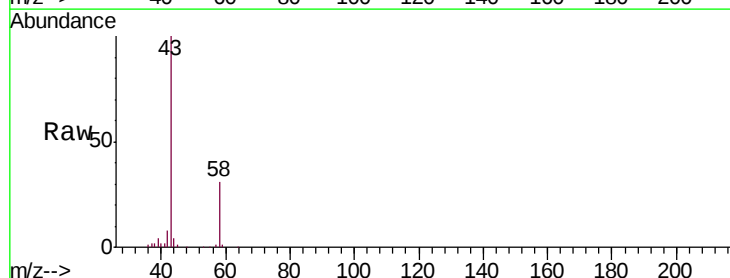
Tot Ion: 59 Resp: 1281  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.5 12.7#

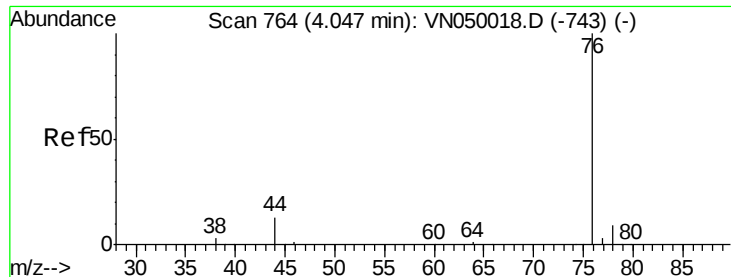


#16

Acetone  
 Concen: 82.45 ug/l  
 RT: 3.82 min Scan# 695  
 Delta R.T. 0.00 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

Tgt Ion: 43 Resp: 194547  
 Ion Ratio Lower Upper  
 43 100  
 58 31.2 25.8 38.8

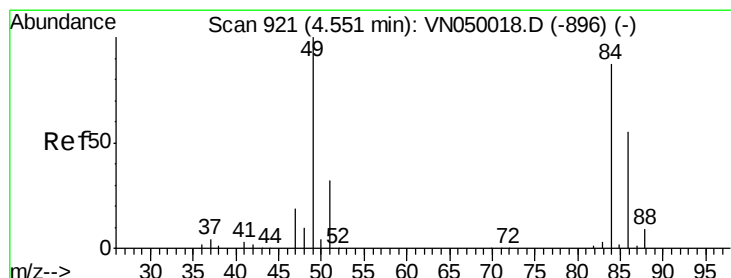
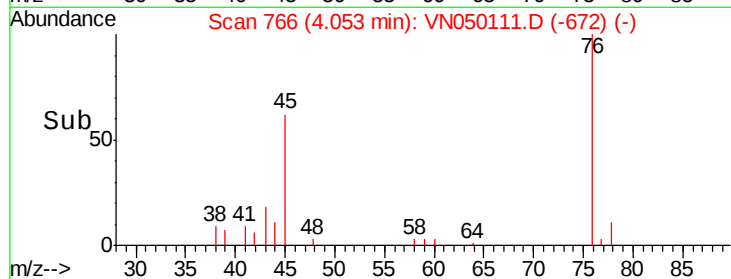
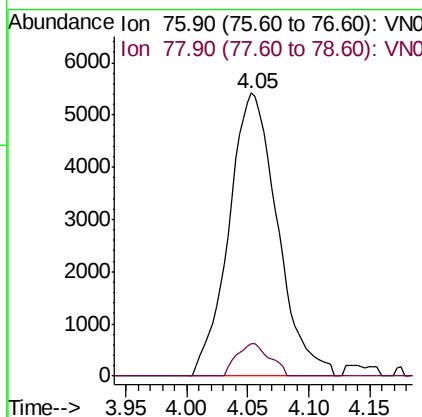
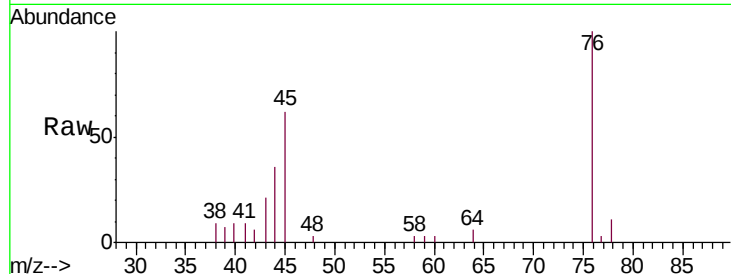




#17  
Carbon Disulfide  
Concen: 0.61 ug/l  
RT: 4.05 min Scan# 766  
Delta R.T. 0.00 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

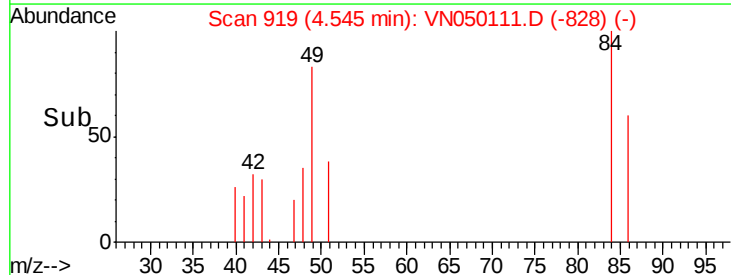
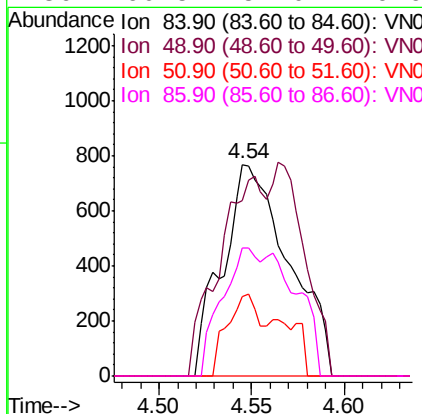
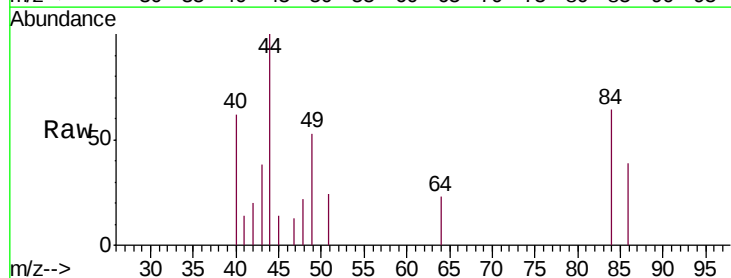
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14B

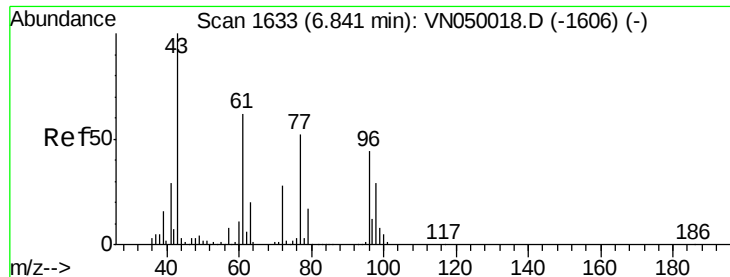
Tot Ion: 76 Resp: 14965  
Ion Ratio Lower Upper  
76 100  
78 11.4 7.3 10.9#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.54 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

Tgt Ion: 84 Resp: 1916  
Ion Ratio Lower Upper  
84 100  
49 82.8 94.8 142.2#  
51 37.6 28.3 42.5  
86 60.5 51.0 76.6

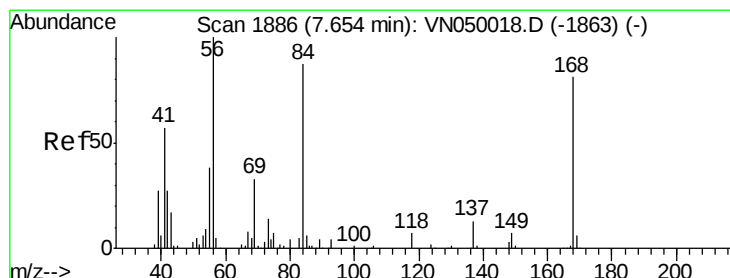
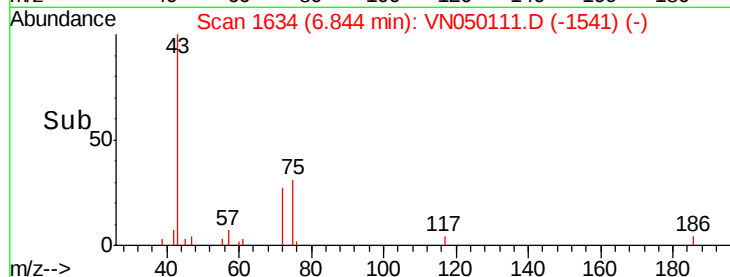
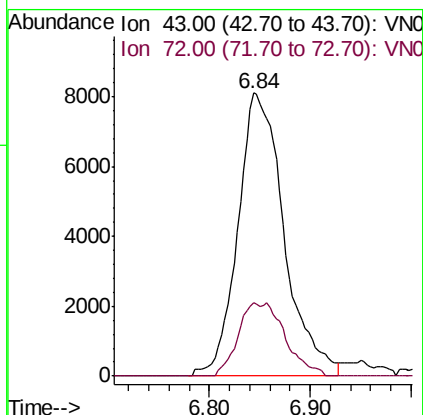
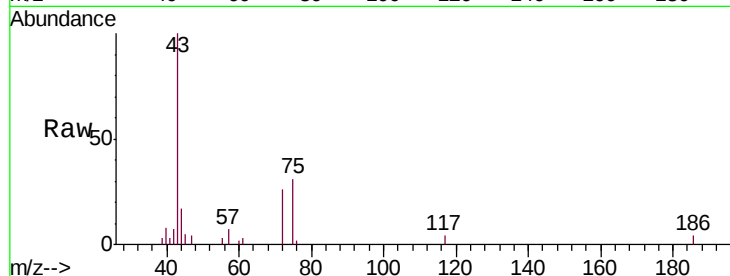




#25  
2-Butanone  
Concen: 6.99 ug/l  
RT: 6.84 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

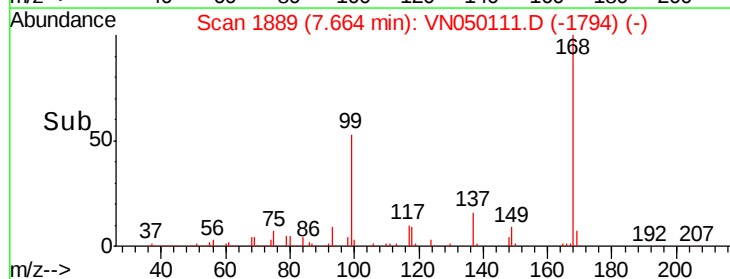
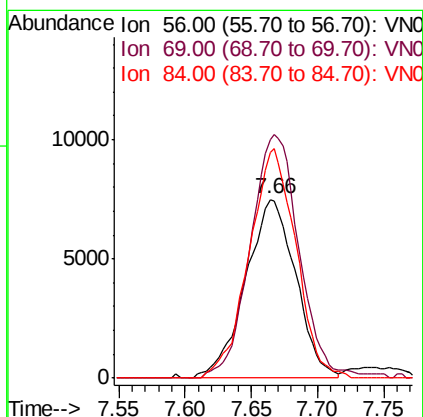
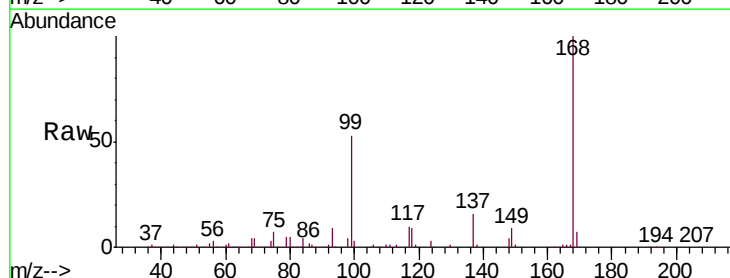
Instrument :  
MSVOA\_N  
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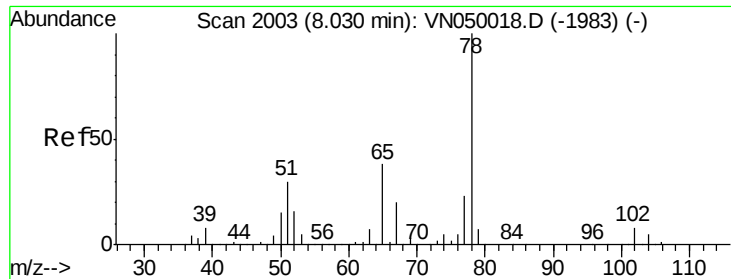
Tot Ion: 43 Resp: 25780  
Ion Ratio Lower Upper  
43 100  
72 26.0 21.5 32.3



#31  
Cyclohexane  
Concen: 1.42 ug/l  
RT: 7.66 min Scan# 1889  
Delta R.T. 0.01 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

Tgt Ion: 56 Resp: 19756  
Ion Ratio Lower Upper  
56 100  
69 133.8 26.2 39.4#  
84 126.8 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 48.13 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampleId :

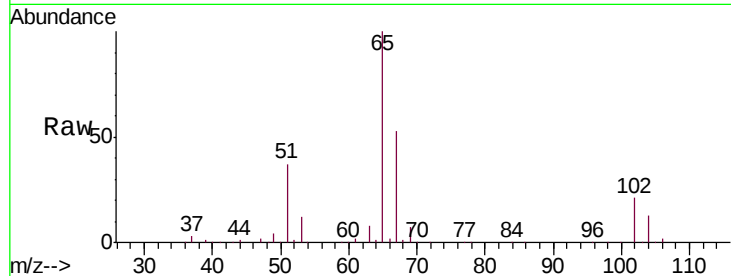
MW-14B

Tot Ion: 65 Resp: 465713

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

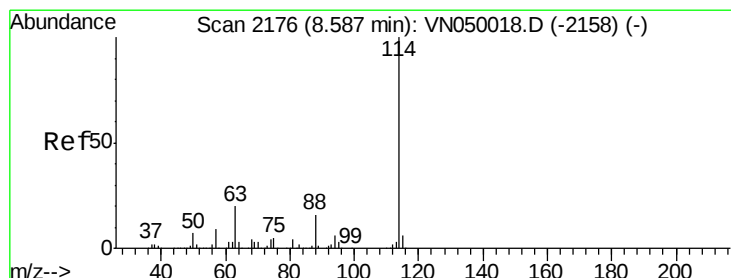
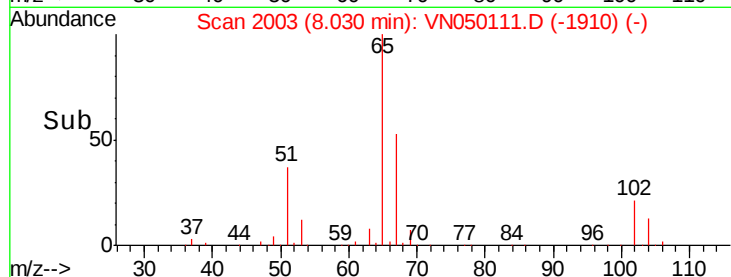
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

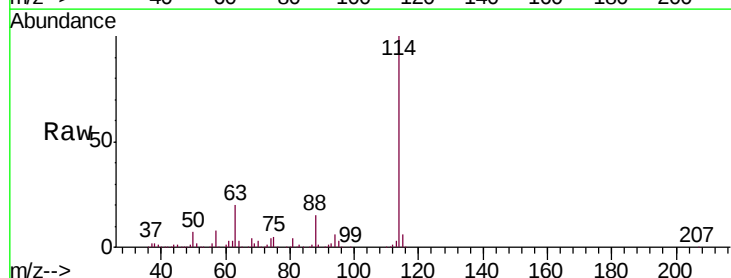
Tgt Ion: 114 Resp: 1098079

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

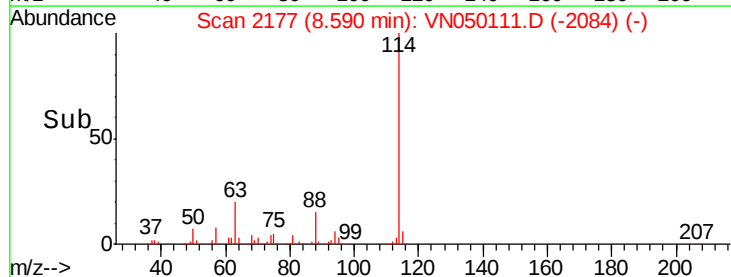
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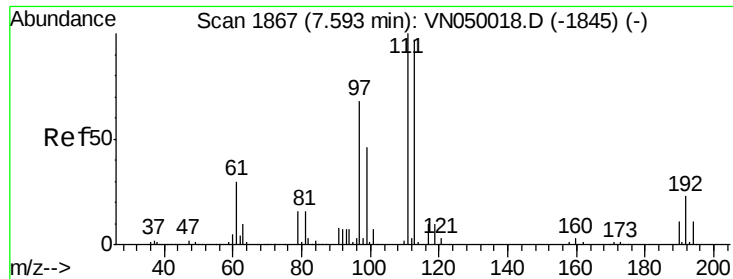
400000

200000

0

Time--> 8.50 8.60 8.70

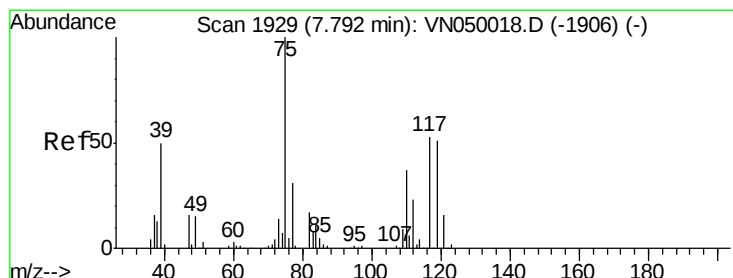
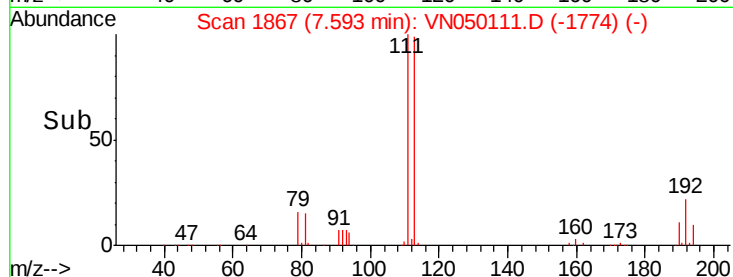
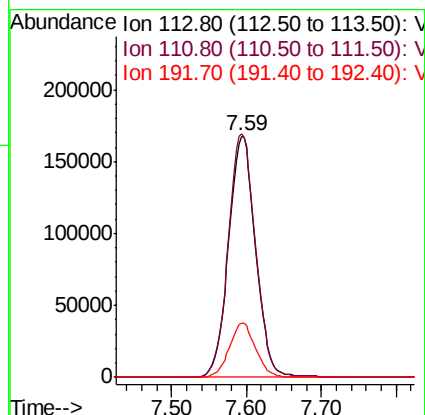
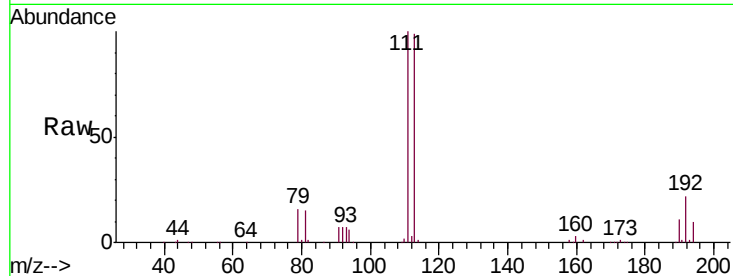




#35  
 Dibromofluoromethane  
 Concen: 46.71 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

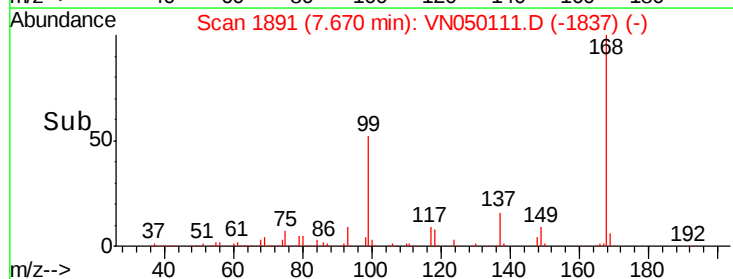
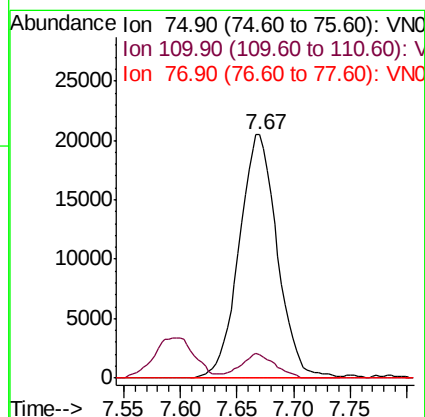
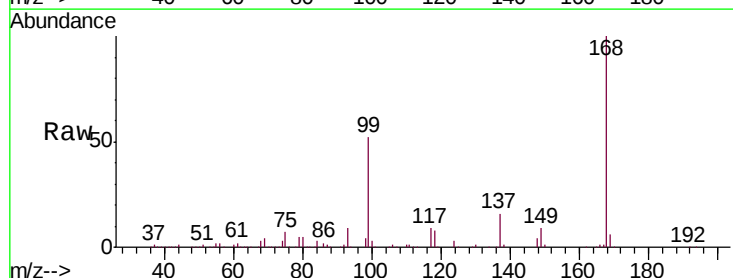
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14B

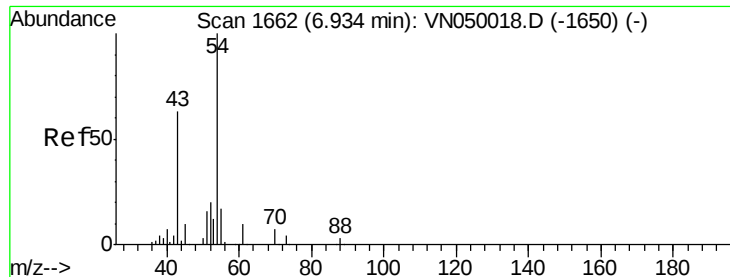
Tot Ion:113 Resp: 418814  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 80.7 121.1  
 192 21.8 17.8 26.6



#36  
 1,1-Dichloropropene  
 Concen: 3.89 ug/l  
 RT: 7.67 min Scan# 1891  
 Delta R.T. -0.13 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

Tgt Ion: 75 Resp: 48081  
 Ion Ratio Lower Upper  
 75 100  
 110 9.1 18.4 55.2#  
 77 0.0 25.3 37.9#

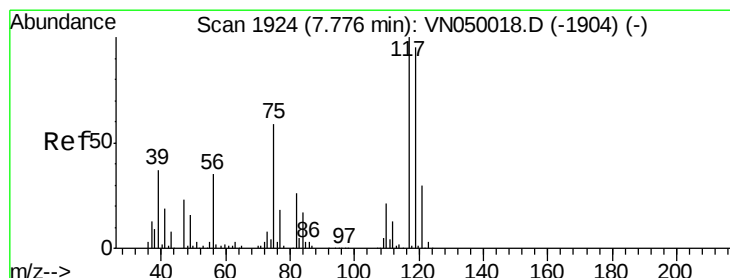
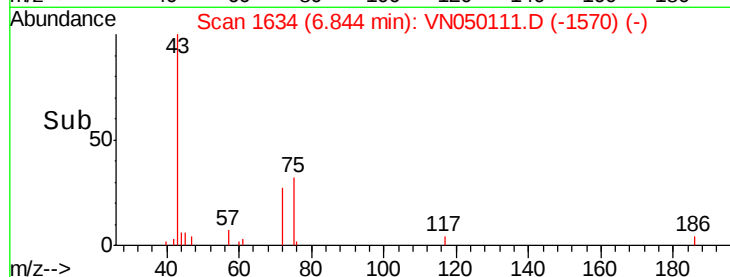
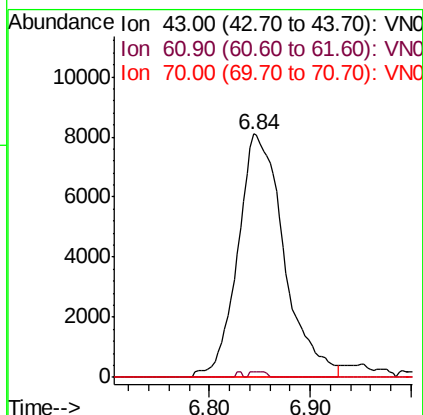
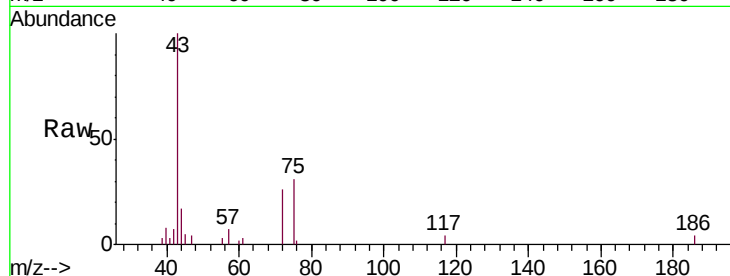




#37  
Ethyl Acetate  
Concen: 2.99 ug/l  
RT: 6.84 min Scan# 1634  
Delta R.T. -0.09 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

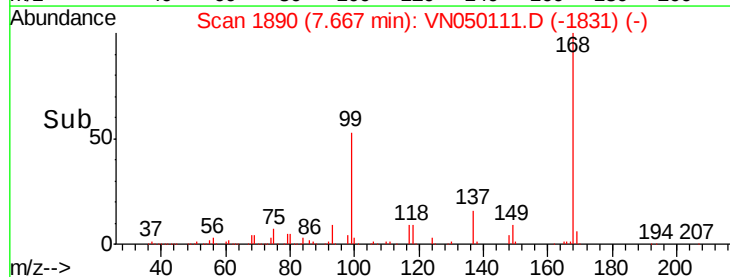
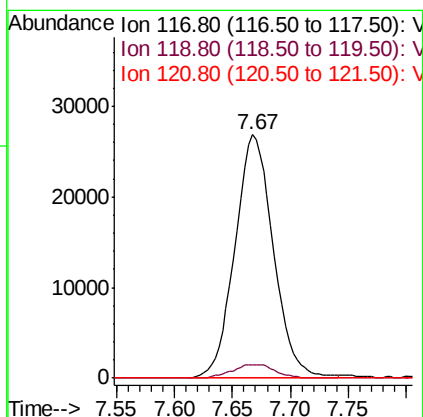
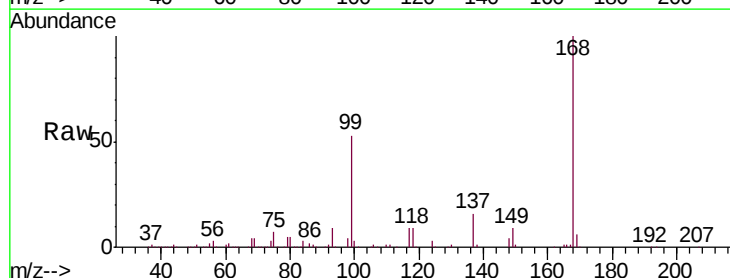
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14B

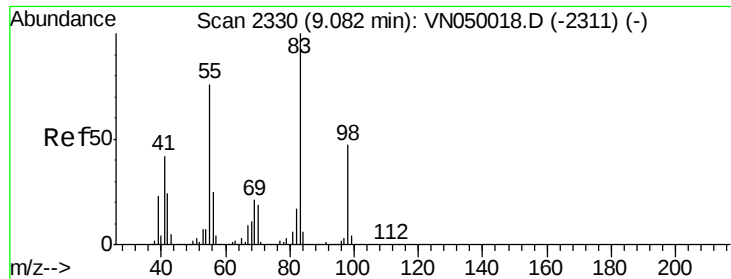
Tot Ion: 43 Resp: 25780  
Ion Ratio Lower Upper  
43 100  
61 0.8 11.8 17.8#  
70 0.0 8.4 12.6#



#38  
Carbon Tetrachloride  
Concen: 4.72 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.11 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

Tgt Ion: 117 Resp: 61958  
Ion Ratio Lower Upper  
117 100  
119 5.3 77.4 116.0#  
121 0.0 23.9 35.9#

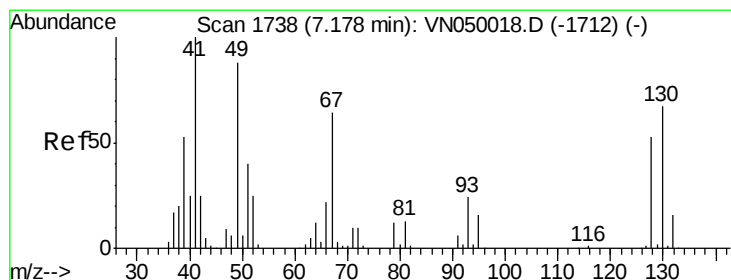
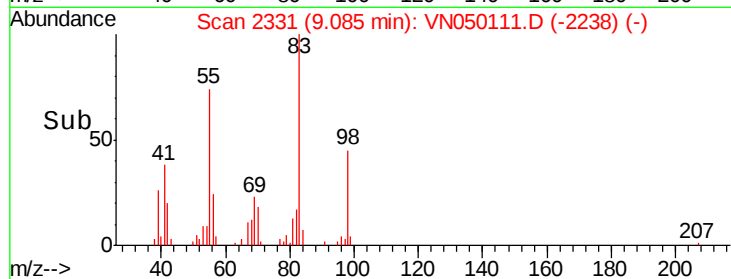
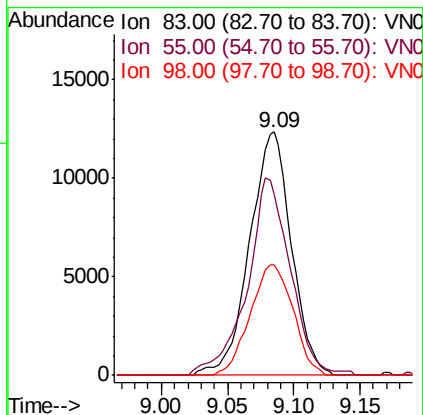
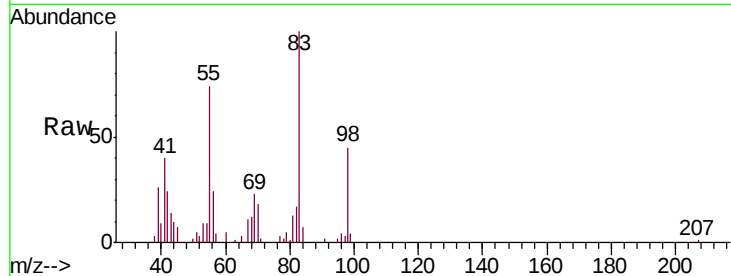




#39  
Methylcyclohexane  
Concen: 2.12 ug/l  
RT: 9.09 min Scan# 2331  
Delta R.T. 0.00 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

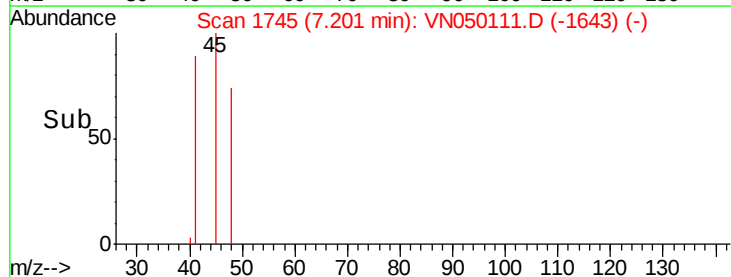
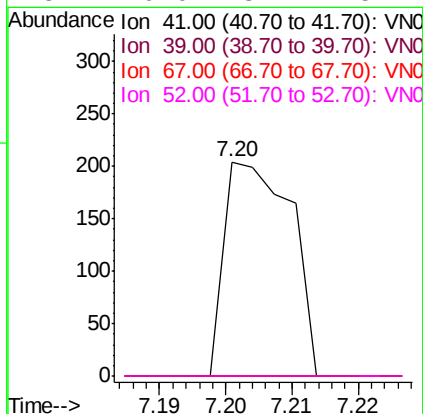
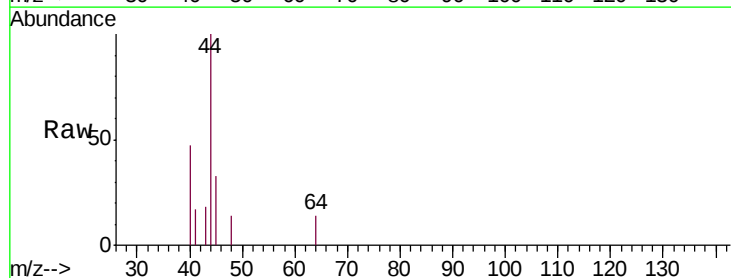
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14B

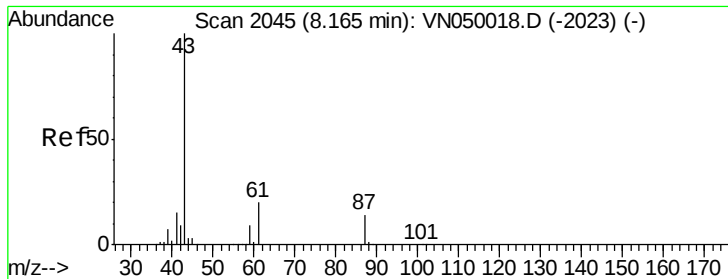
Tot Ion: 83 Resp: 27032  
Ion Ratio Lower Upper  
83 100  
55 74.3 61.8 92.8  
98 45.3 36.5 54.7



#41  
Methacrylonitrile  
Concen: 2.78 ug/l  
RT: 7.20 min Scan# 1745  
Delta R.T. 0.03 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

Tgt Ion: 41 Resp: 143  
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#



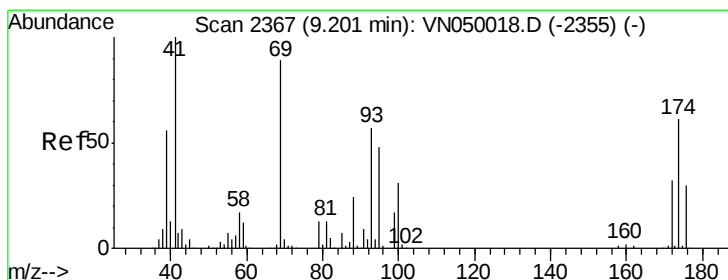
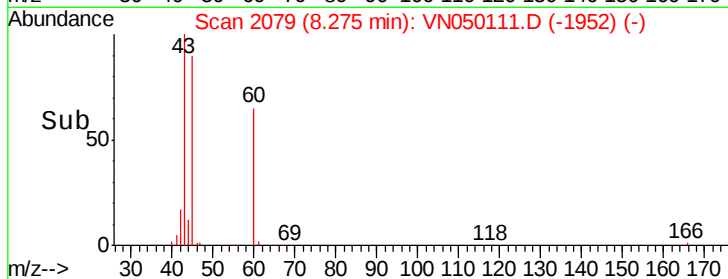
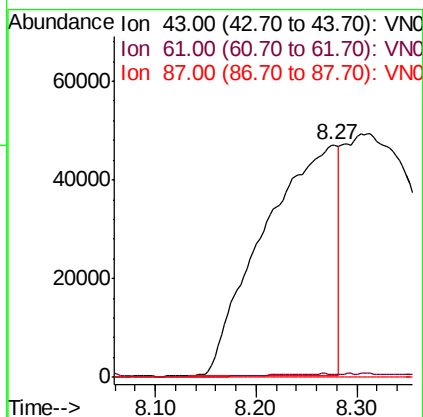
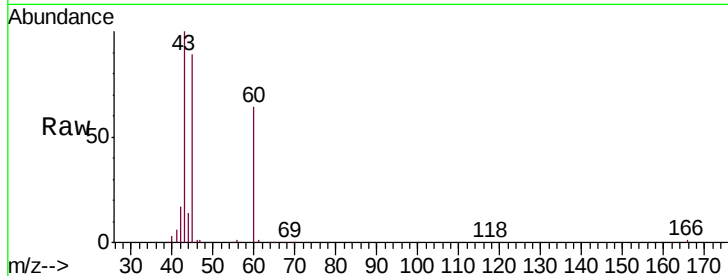


#43

Isopropyl Acetate  
 Concen: 13.63 ug/l  
 RT: 8.27 min Scan# 2079  
 Delta R.T. 0.11 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14B

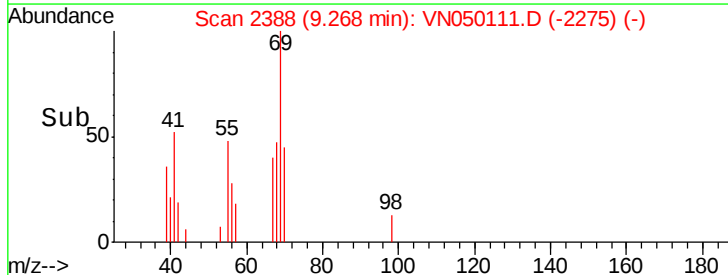
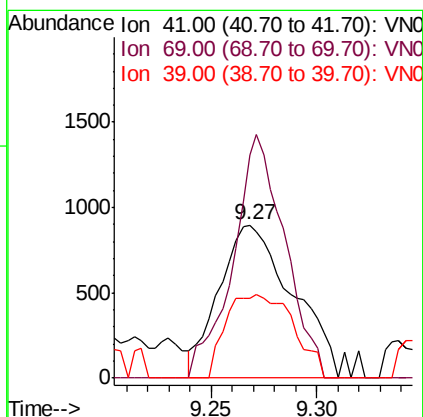
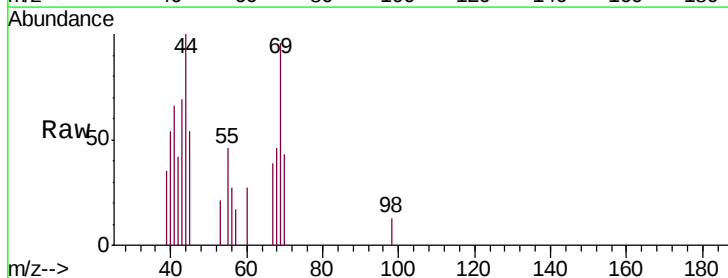
Tot Ion: 43 Resp: 234999  
 Ion Ratio Lower Upper  
 43 100  
 61 0.0 15.8 23.6#  
 87 0.0 10.3 15.5#

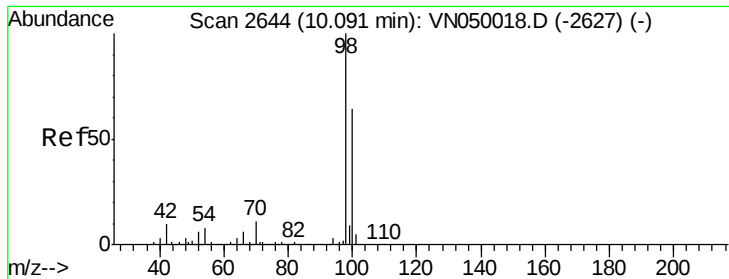


#48

Methyl methacrylate  
 Concen: 0.29 ug/l  
 RT: 9.27 min Scan# 2388  
 Delta R.T. 0.06 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

Tgt Ion: 41 Resp: 2172  
 Ion Ratio Lower Upper  
 41 100  
 69 111.7 70.6 105.8#  
 39 50.1 43.9 65.9





#50

Toluene-d8

Concen: 46.00 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampleId :

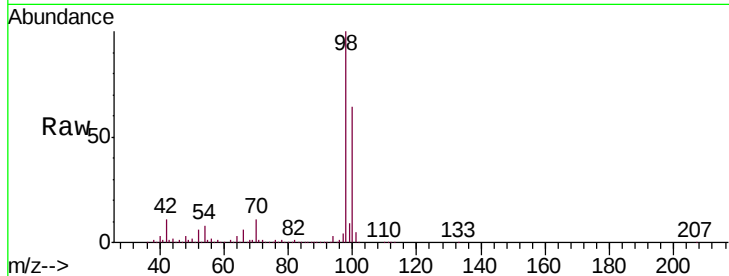
MW-14B

Tot Ion: 98 Resp: 1516298

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)

10.09

800000

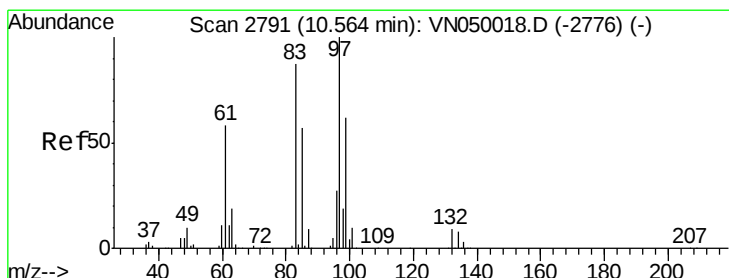
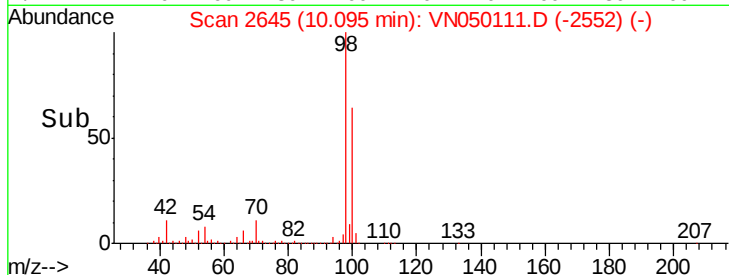
600000

400000

200000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 1.16 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.04 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Tgt Ion: 97 Resp: 10204

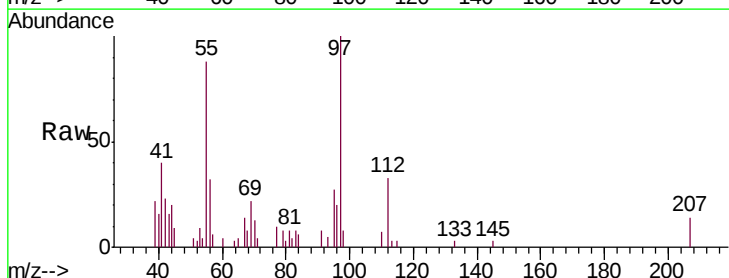
Ion Ratio Lower Upper

97 100

83 8.5 69.2 103.8#

85 0.0 44.0 66.0#

99 0.0 49.9 74.9#



Abundance Ion 96.90 (96.60 to 97.60): VN050018.D (-2776) (-)

Ion 82.90 (82.60 to 83.60): VN050018.D (-2776) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-2776) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-2776) (-)

10000

8000

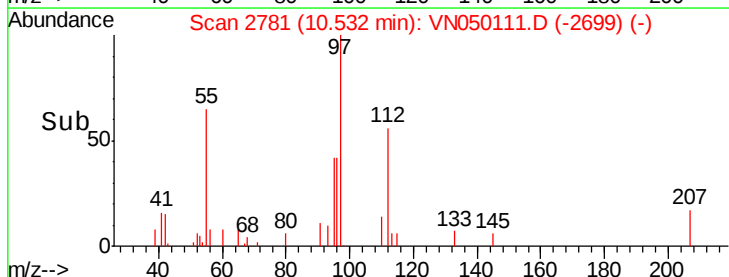
6000

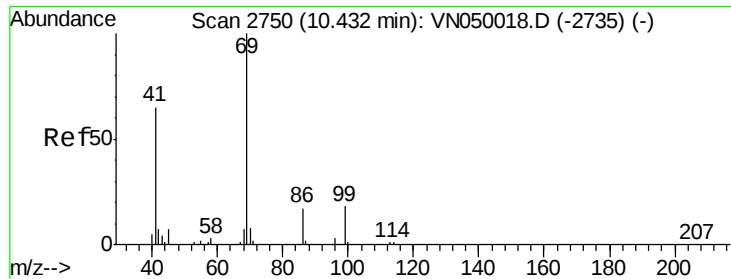
4000

2000

0

Time-->





#56

Ethyl methacrylate

Concen: 2.54 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampled :

MW-14B

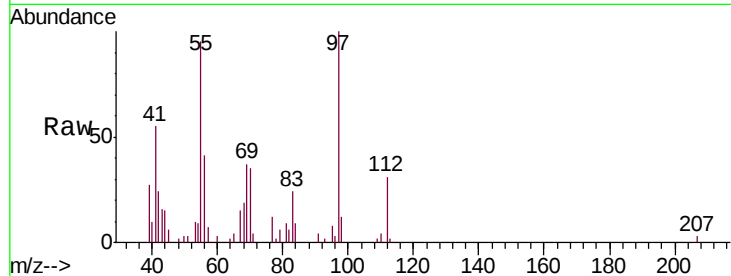
Tot Ion: 69 Resp: 6279

Ion Ratio Lower Upper

69 100

41 129.2 51.0 76.4#

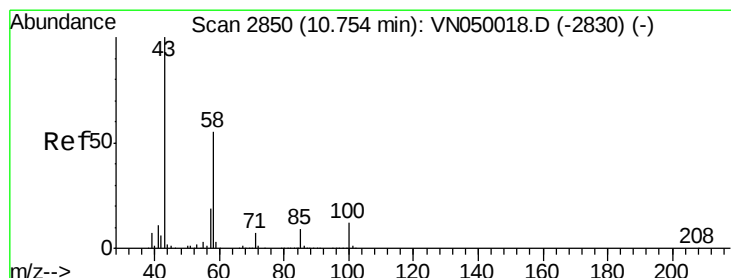
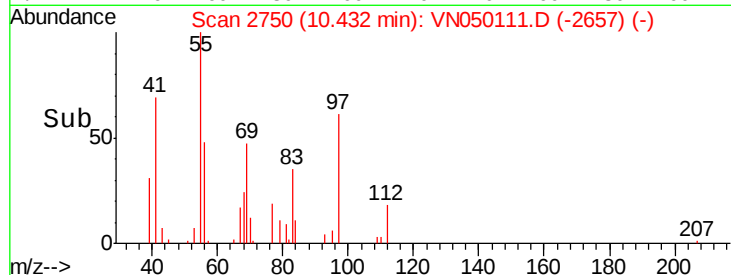
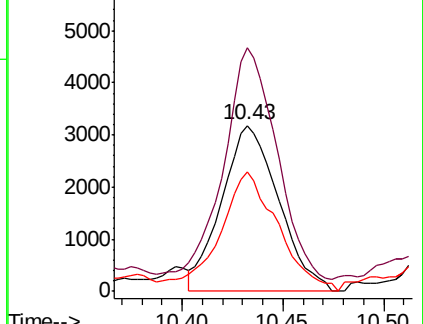
39 73.4 26.6 40.0#



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: 5.32 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN050111.D

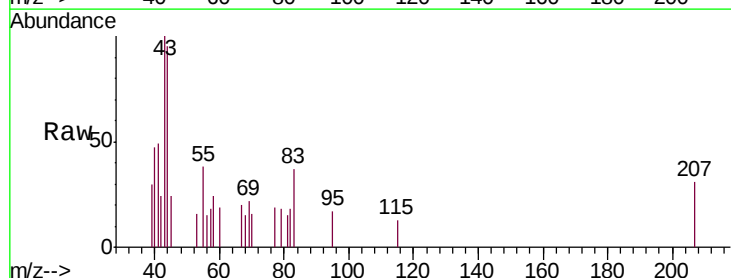
Acq: 27 Jul 2018 4:04

Tgt Ion: 43 Resp: 936

Ion Ratio Lower Upper

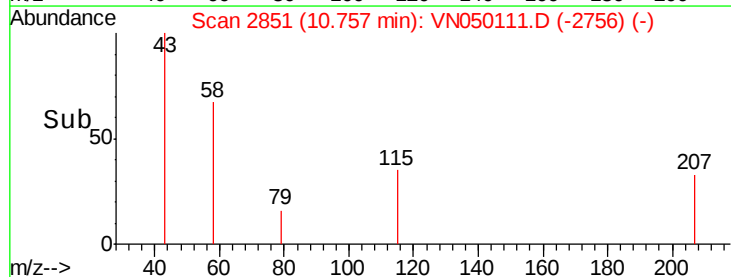
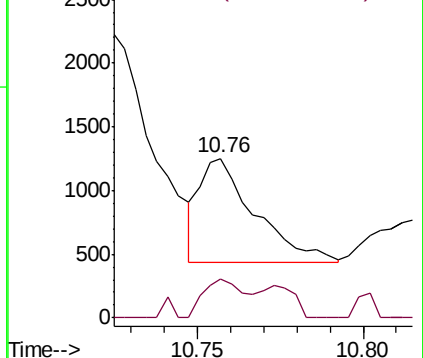
43 100

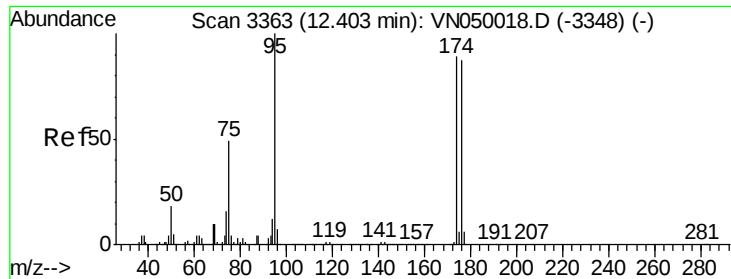
58 28.3 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

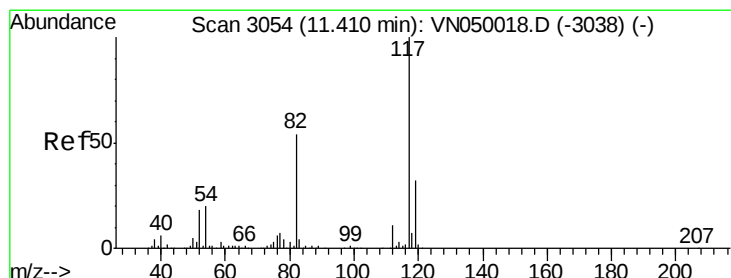
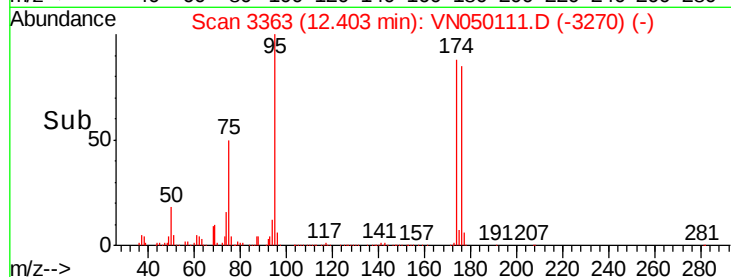
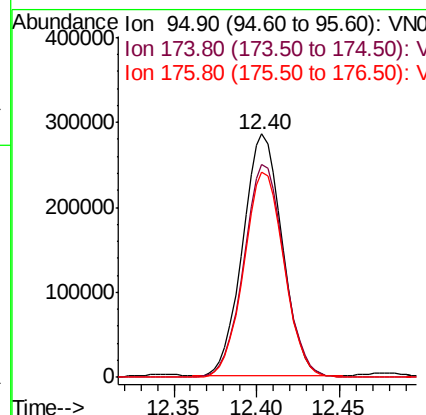
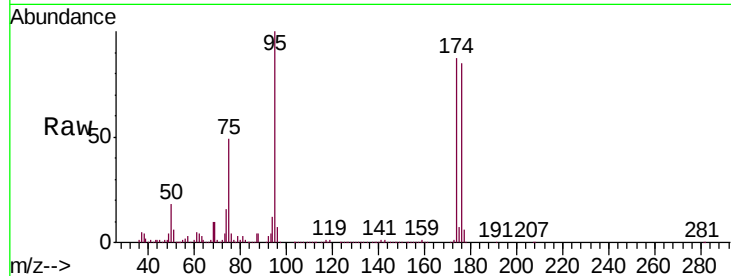




#62  
4-Bromofluorobenzene  
Concen: 43.54 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

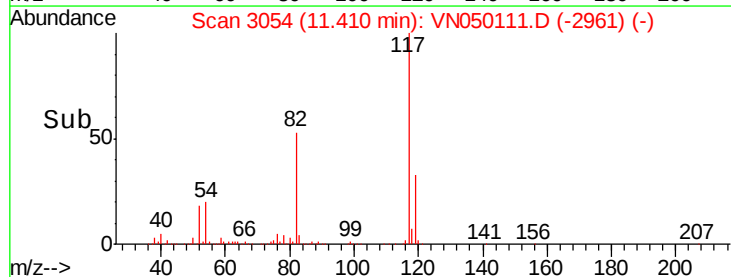
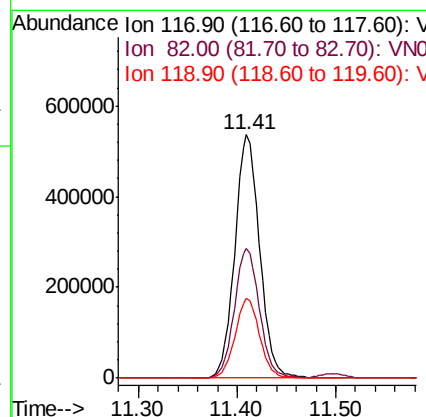
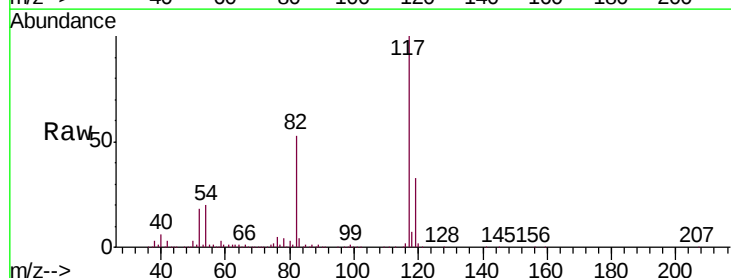
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14B

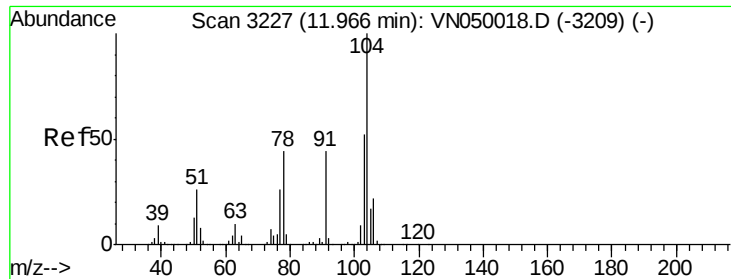
Tot Ion: 95 Resp: 472503  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 178.2  
176 86.4 0.0 173.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

Tgt Ion: 117 Resp: 941937  
Ion Ratio Lower Upper  
117 100  
82 53.3 43.7 65.5  
119 32.9 26.1 39.1

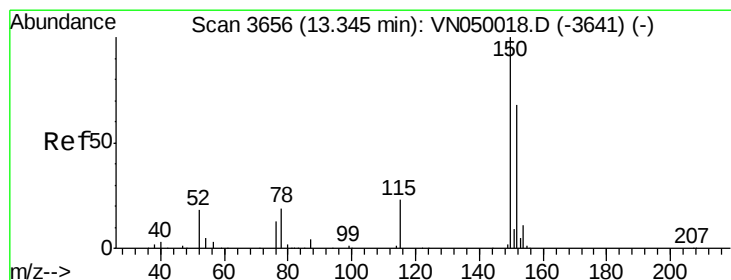
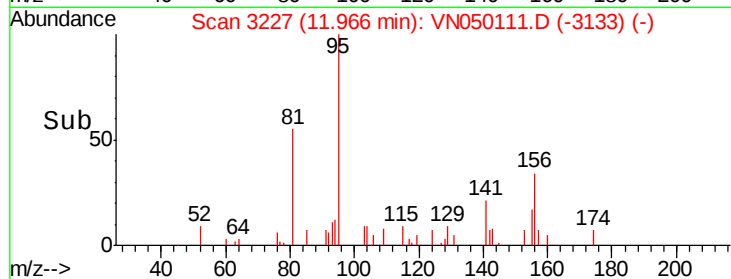
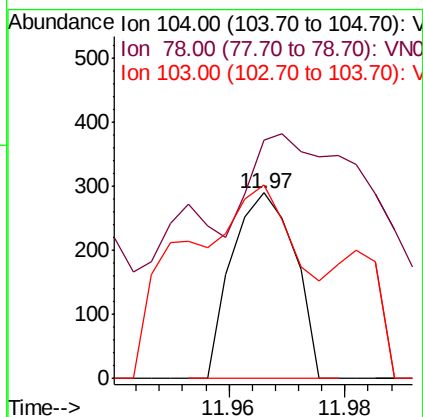
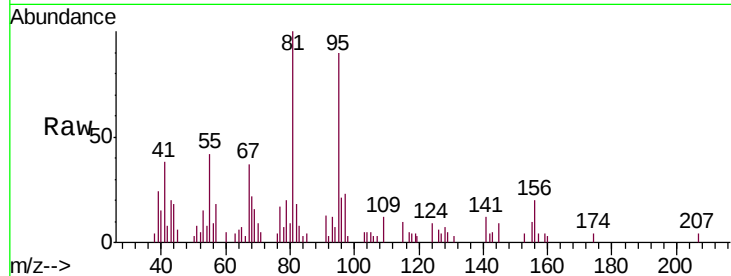




#70  
Stvrene  
Concen: 0.93 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

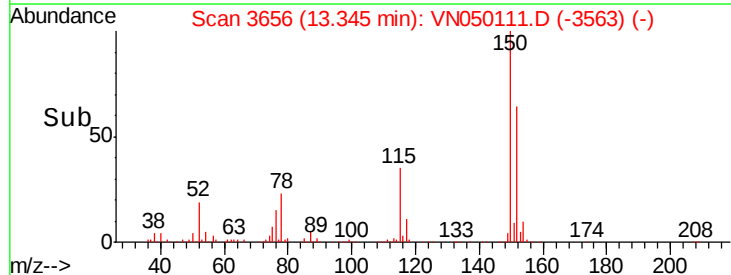
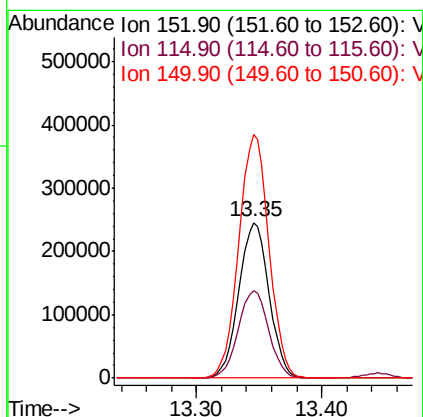
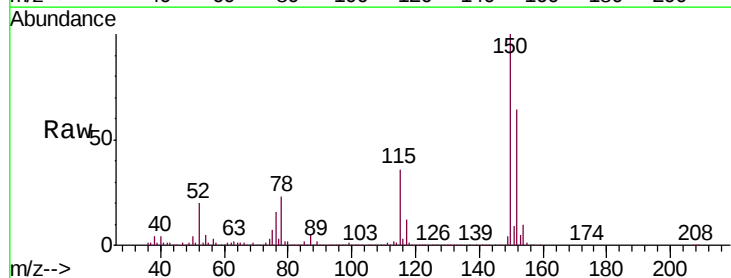
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14B

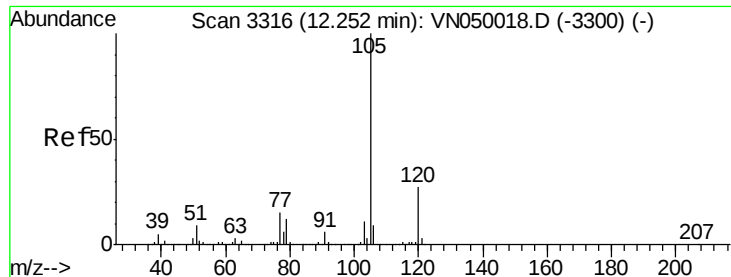
Tot Ion:104 Resp: 216  
Ion Ratio Lower Upper  
104 100  
78 278.2 39.3 58.9#  
103 0.0 45.0 67.6#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

Tgt Ion:152 Resp: 410928  
Ion Ratio Lower Upper  
152 100  
115 56.6 27.8 83.3  
150 155.7 0.0 348.6





#73

Isopropylbenzene

Concen: 9.67 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampleId :

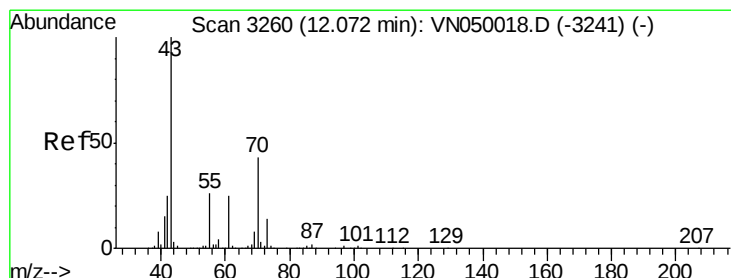
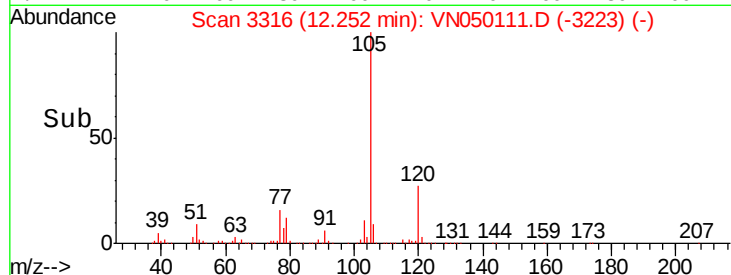
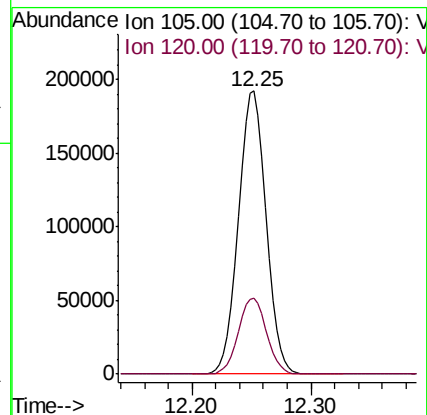
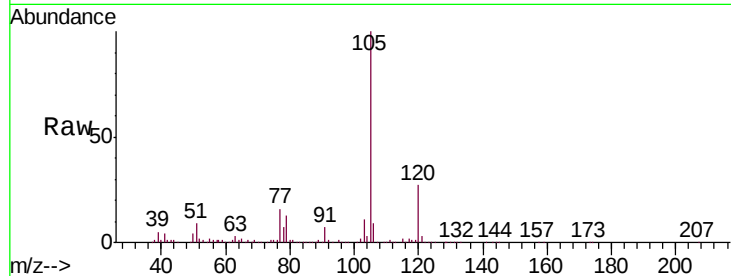
MW-14B

Tot Ion:105 Resp: 308299

Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.8



#74

N-ethyl acetate

Concen: 0.67 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Tgt Ion: 43 Resp: 6478

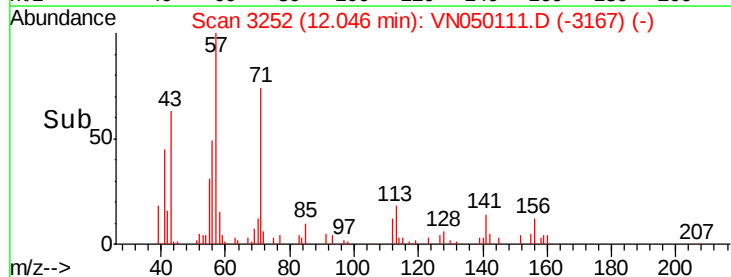
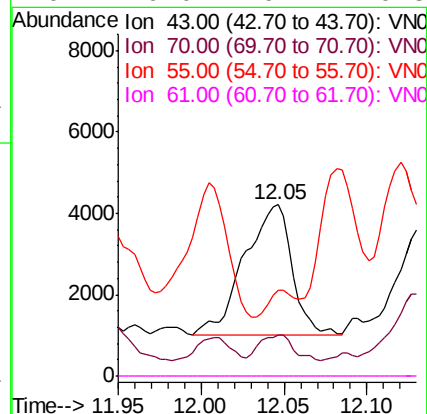
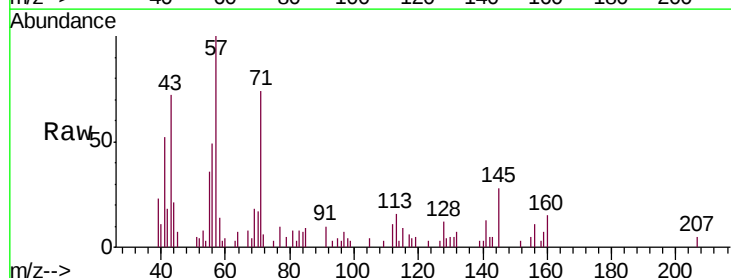
Ion Ratio Lower Upper

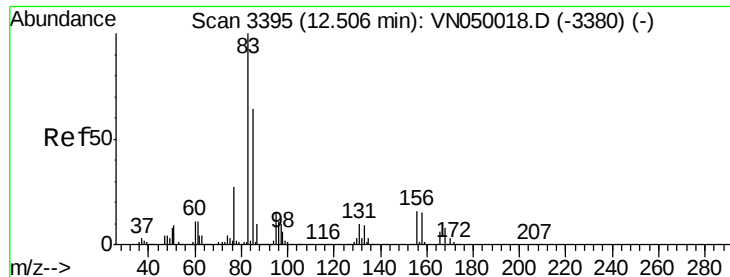
43 100

70 13.7 34.4 51.6#

55 18.7 20.8 31.2#

61 0.0 19.7 29.5#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3384

Delta R.T. -0.03 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampled :

MW-14B

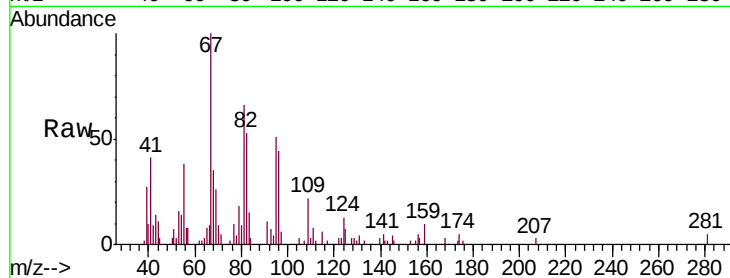
Tot Ion: 83 Resp: 2569

Ion Ratio Lower Upper

83 100

131 3.3 5.1 15.3#

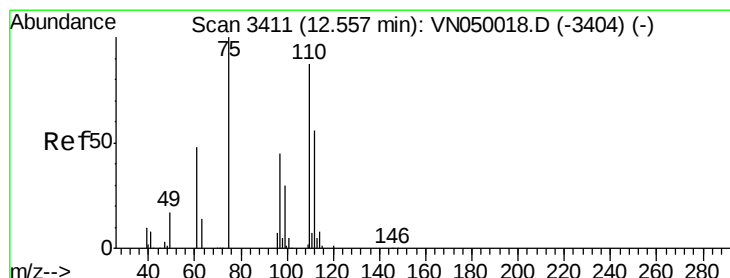
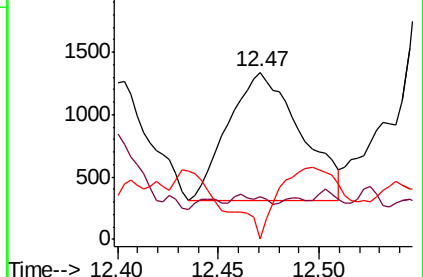
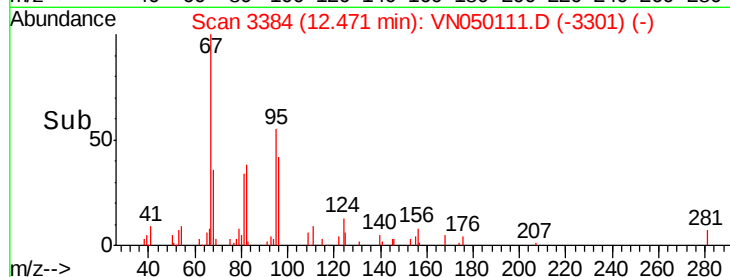
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050111.D

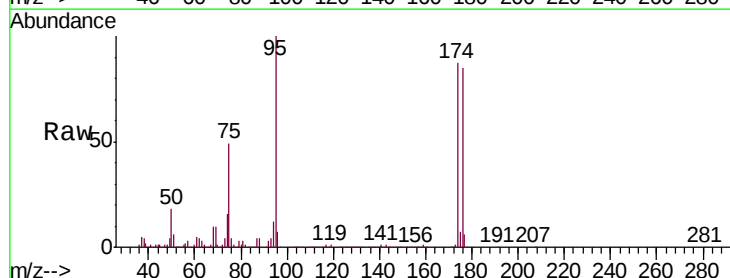
Acq: 27 Jul 2018 4:04

Tgt Ion: 75 Resp: 232177

Ion Ratio Lower Upper

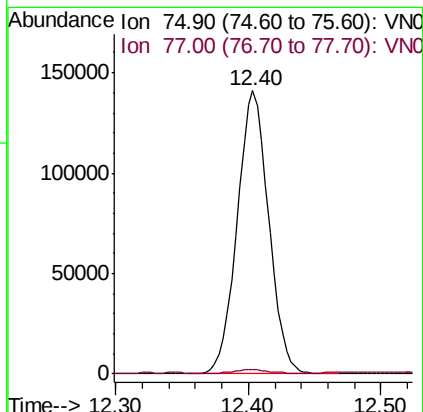
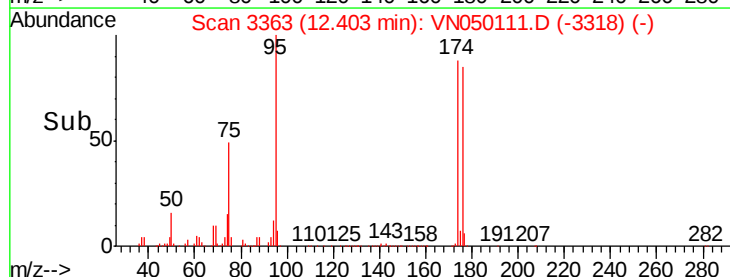
75 100

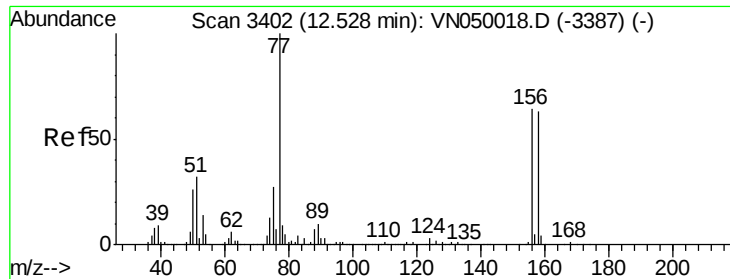
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 2.49 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.04 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampled :

MW-14B

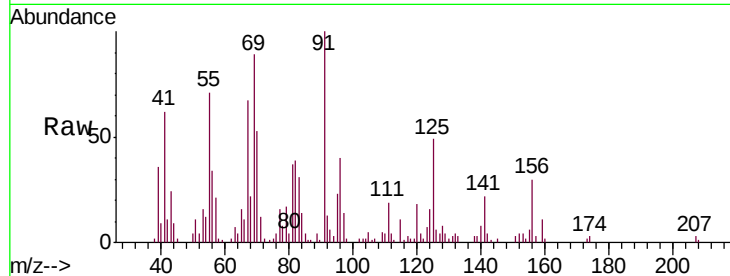
Tot Ion:156 Resp: 21981

Ion Ratio Lower Upper

156 100

77 0.0 91.7 275.1#

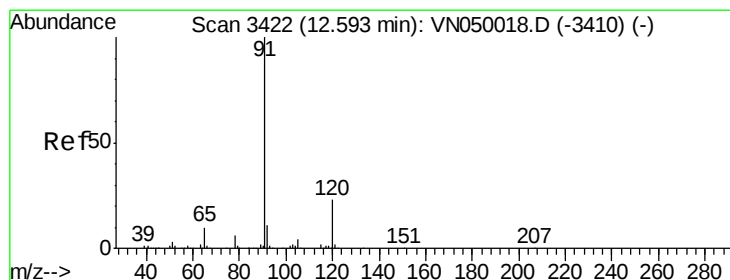
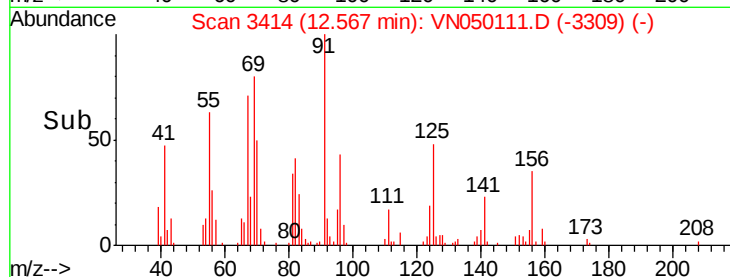
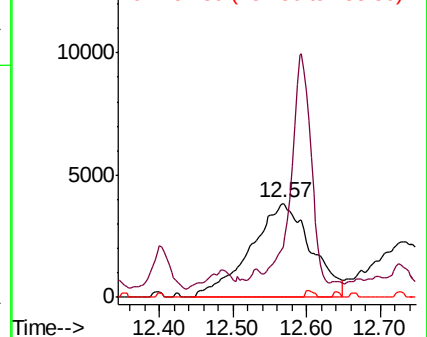
158 0.0 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.90 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050111.D

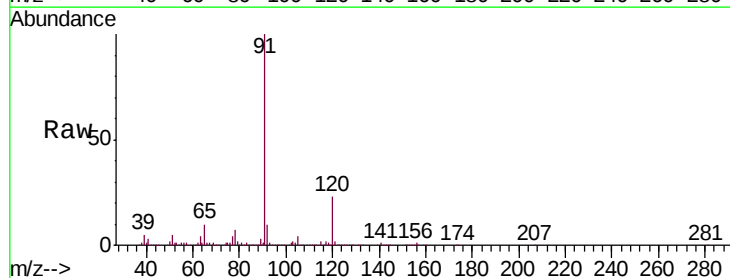
Acq: 27 Jul 2018 4:04

Tgt Ion: 91 Resp: 388349

Ion Ratio Lower Upper

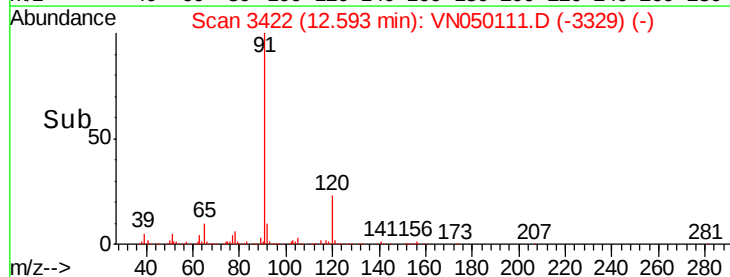
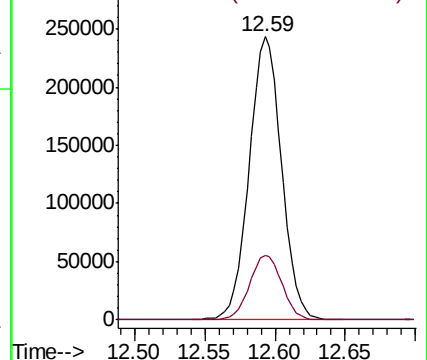
91 100

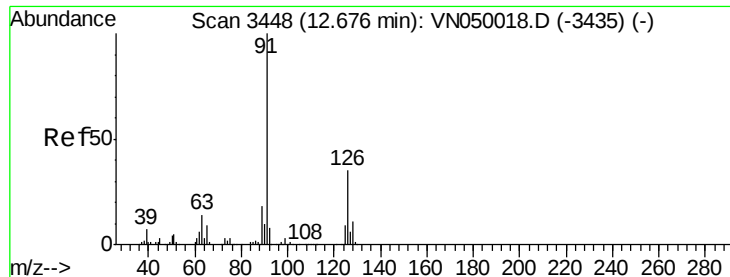
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.59 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.08 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampled :

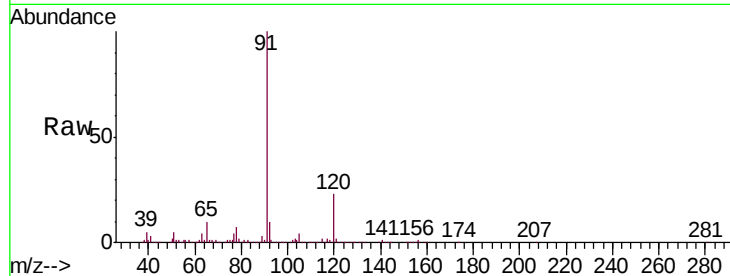
MW-14B

Tot Ion: 91 Resp: 388349

Ion Ratio Lower Upper

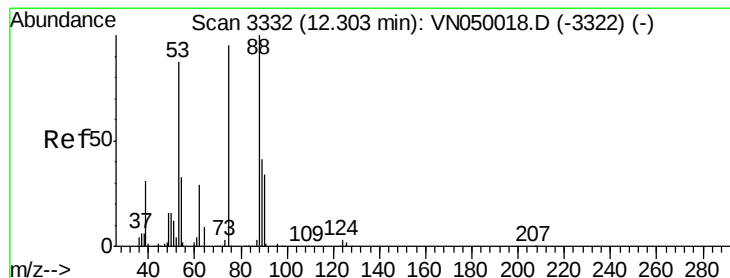
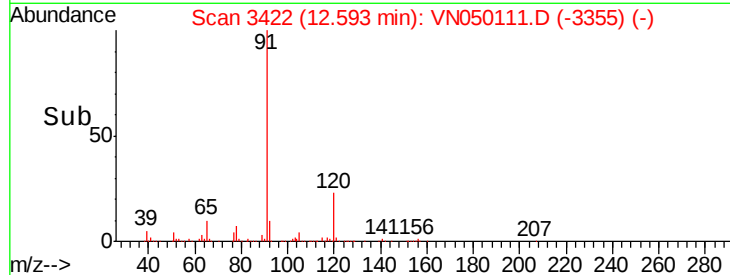
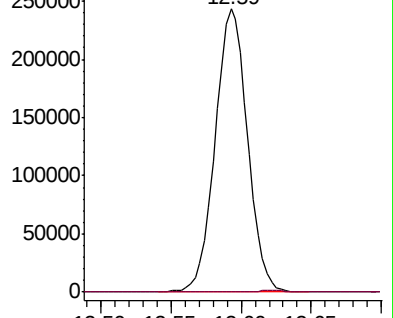
91 100

126 0.2 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 96.43 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

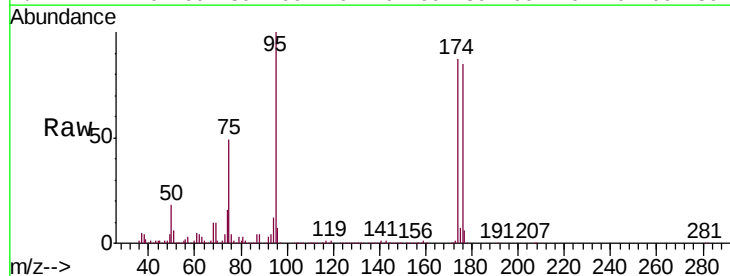
Tgt Ion: 75 Resp: 232177

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

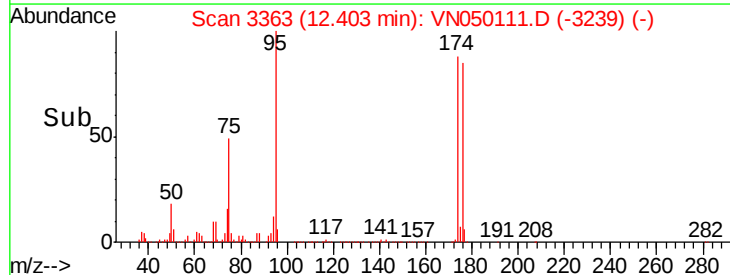
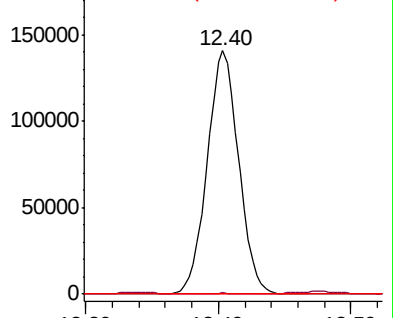
89 0.0 36.0 54.0#

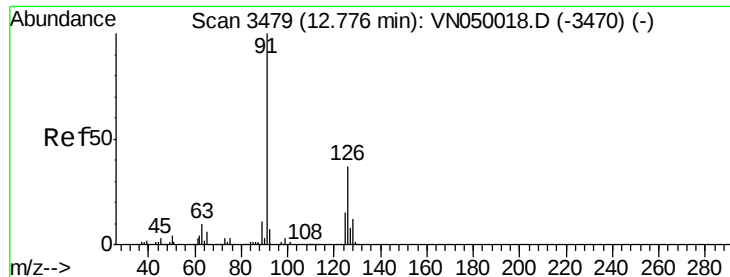


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 17.76 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.18 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampled :

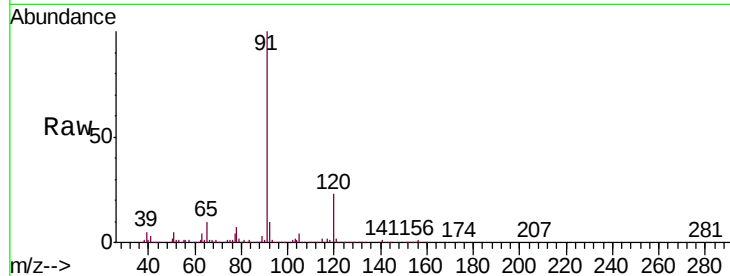
MW-14B

Tot Ion: 91 Resp: 388349

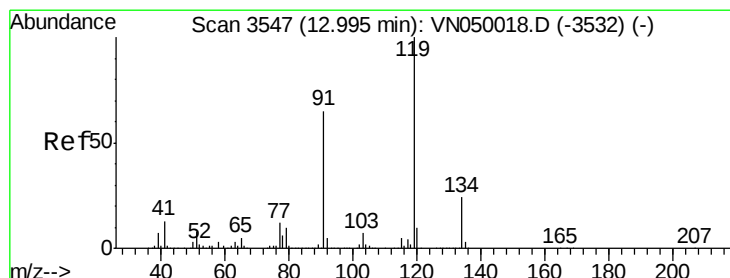
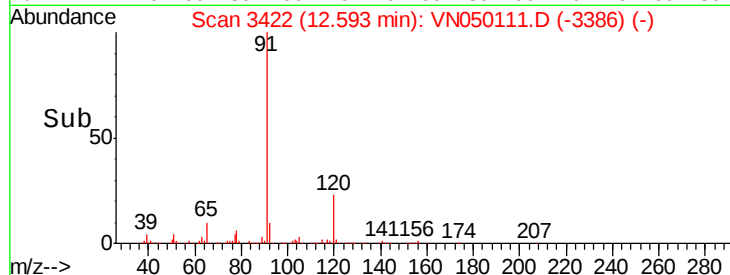
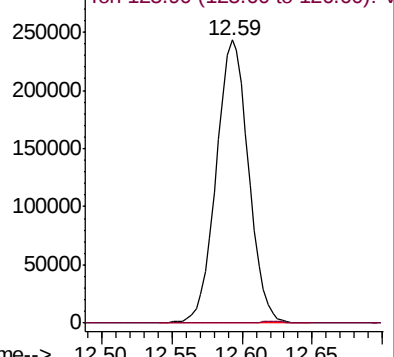
Ion Ratio Lower Upper

91 100

126 0.2 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VN050111.D (-3422) (-)



#83

tert-Butylbenzene

Concen: 1.47 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

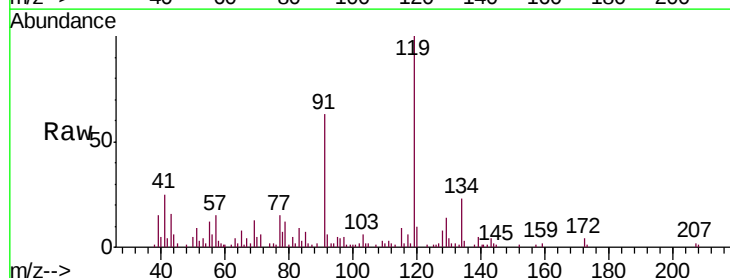
Tgt Ion: 119 Resp: 32198

Ion Ratio Lower Upper

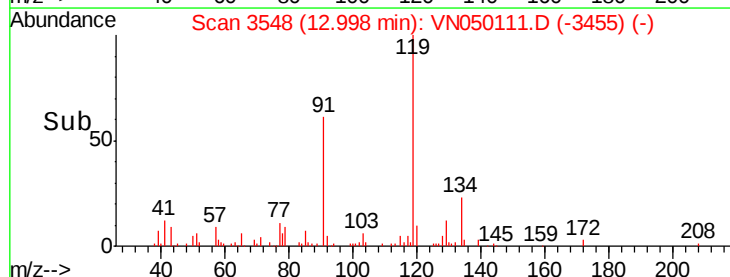
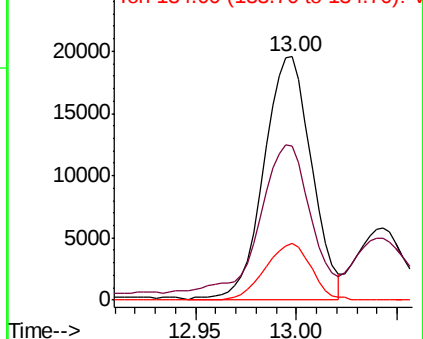
119 100

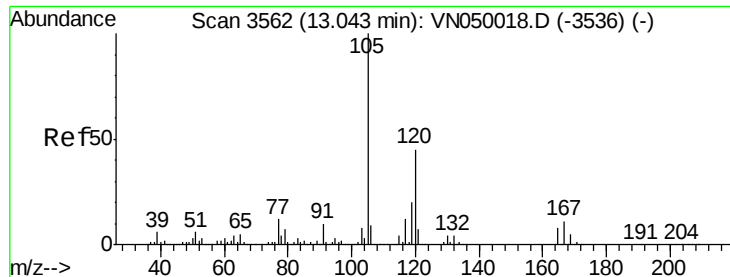
91 62.8 32.1 96.3

134 22.3 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): VN050111.D (-3548) (-)

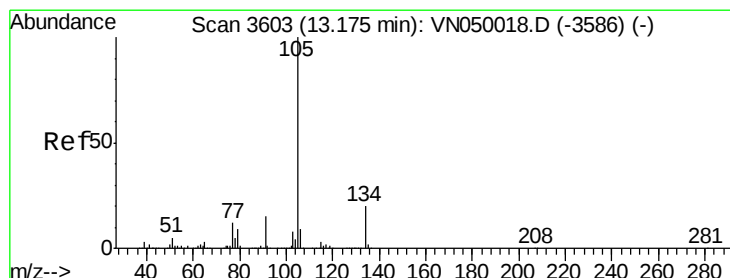
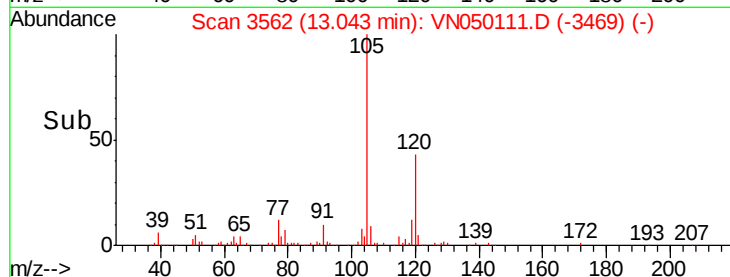
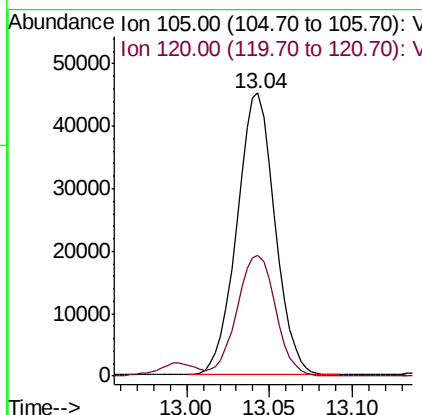
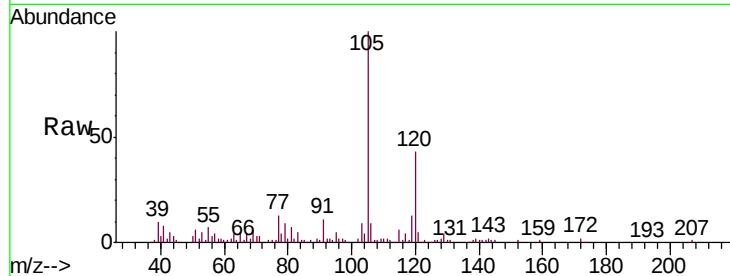




#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.82 ug/l  
 RT: 13.04 min Scan# 3562  
 Delta R.T. 0.00 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

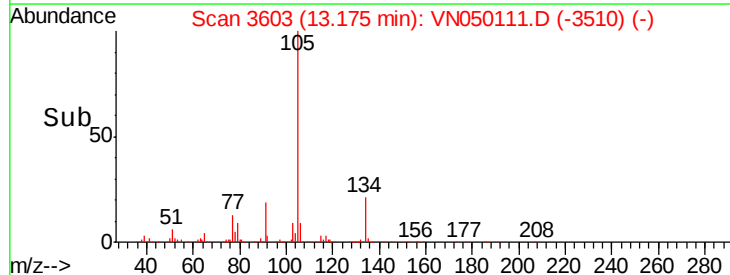
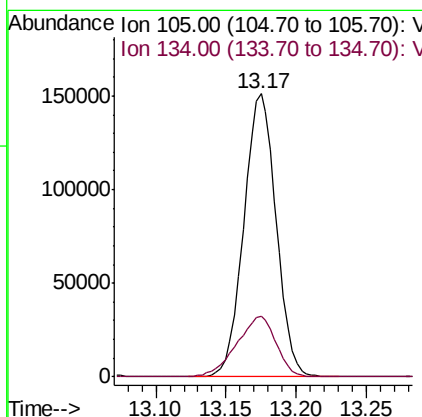
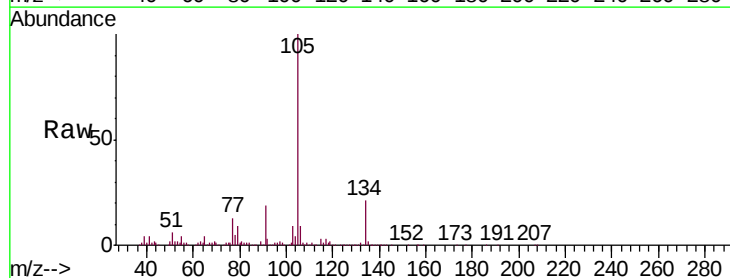
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-14B

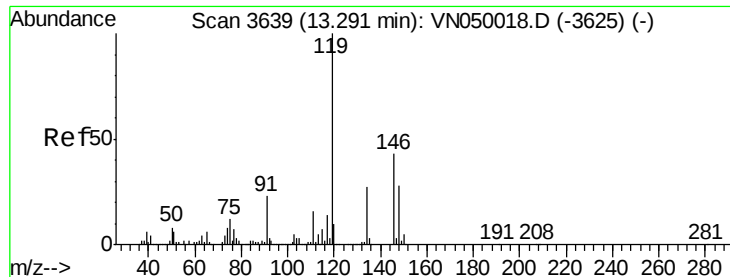
Tot Ion:105 Resp: 71359  
 Ion Ratio Lower Upper  
 105 100  
 120 44.1 22.9 68.7



#85  
 sec-Butylbenzene  
 Concen: 8.26 ug/l  
 RT: 13.17 min Scan# 3603  
 Delta R.T. 0.00 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

Tgt Ion:105 Resp: 241338  
 Ion Ratio Lower Upper  
 105 100  
 134 26.3 10.1 30.1

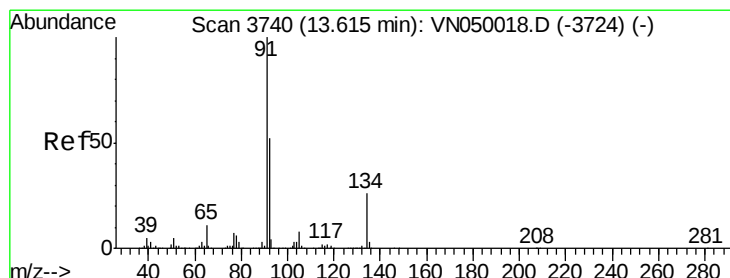
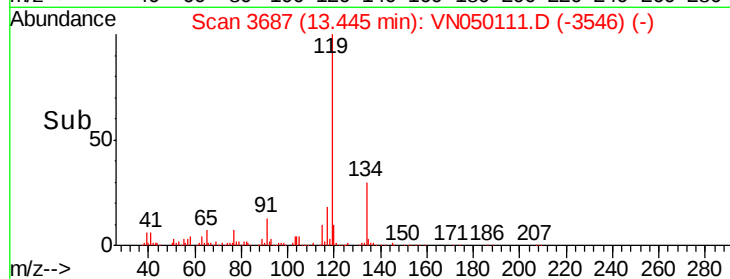
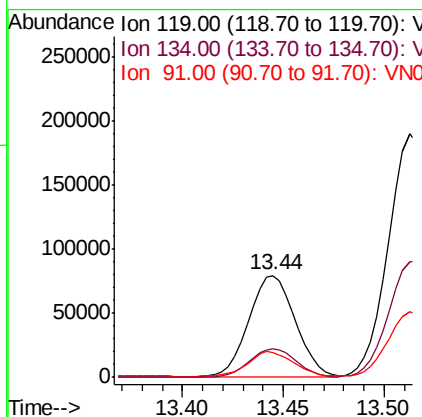
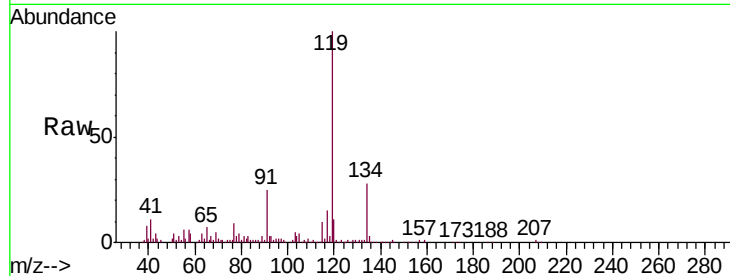




#86  
p-Isopropyltoluene  
Concen: 5.19 ug/l  
RT: 13.44 min Scan# 3687  
Delta R.T. 0.15 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

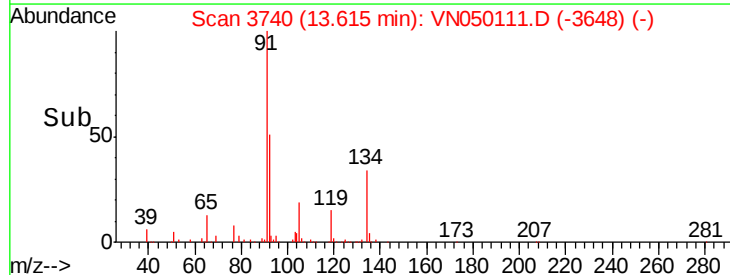
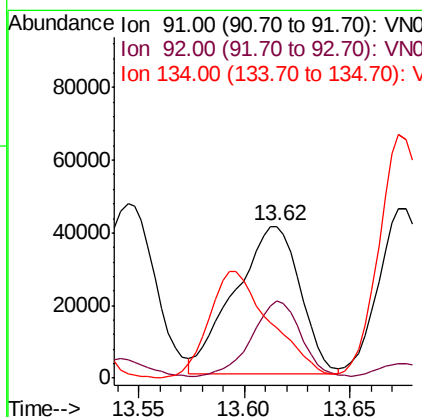
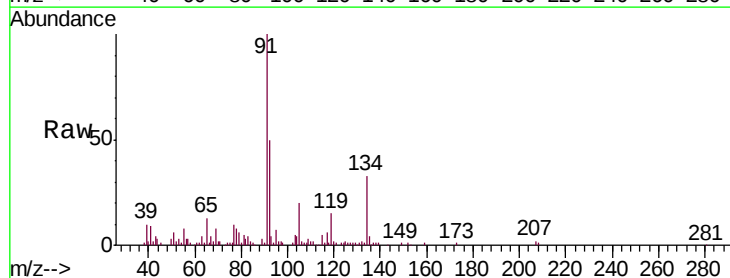
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14B

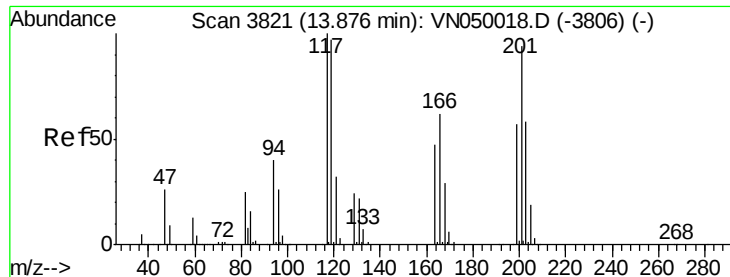
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 28.6  | 13.3  | 39.8  |
| 91      | 24.1  | 11.4  | 34.2  |



#89  
n-Butylbenzene  
Concen: 4.33 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050111.D  
Acq: 27 Jul 2018 4:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 39.5  | 25.8  | 77.4  |
| 134     | 0.0   | 12.8  | 38.4# |





#90

Hexachloroethane

Concen: 10.31 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

Instrument :

MSVOA\_N

ClientSampled :

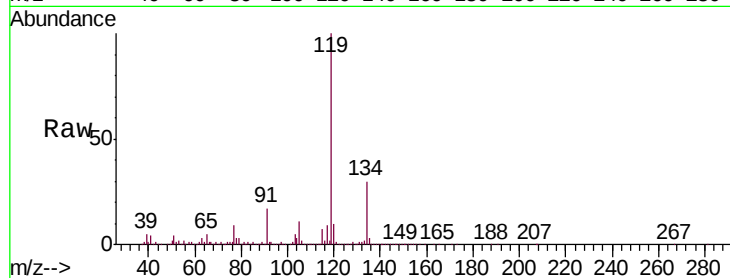
MW-14B

Tot Ion:117 Resp: 56362

Ion Ratio Lower Upper

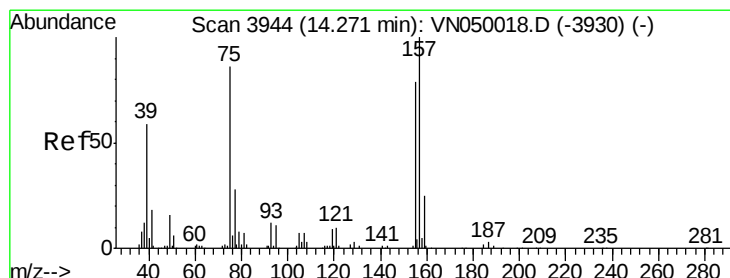
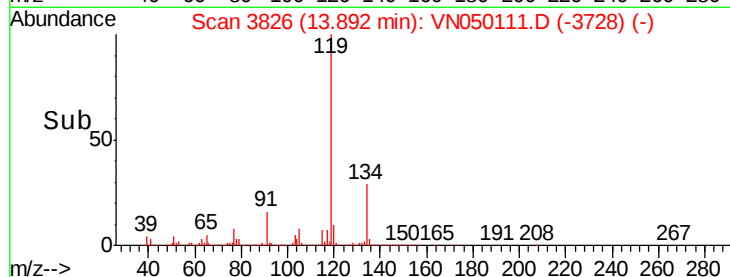
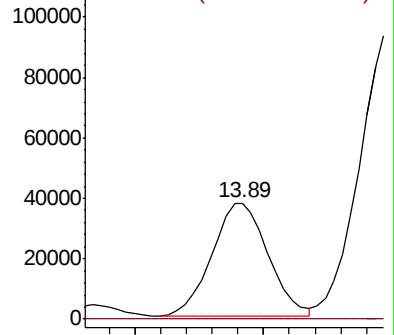
117 100

201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.29 min Scan# 3951

Delta R.T. 0.02 min

Lab File: VN050111.D

Acq: 27 Jul 2018 4:04

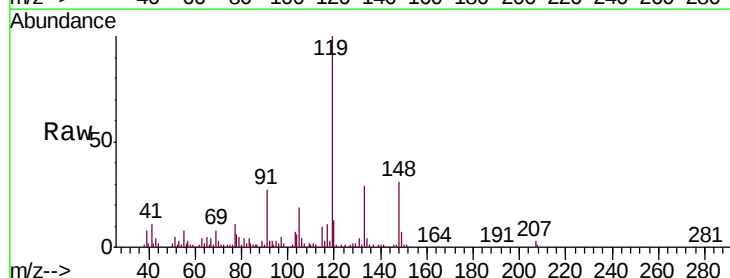
Tgt Ion: 75 Resp: 643

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

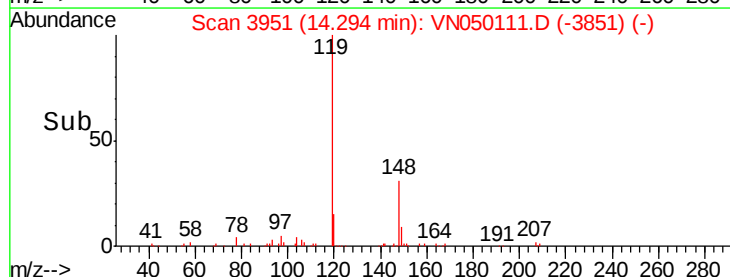
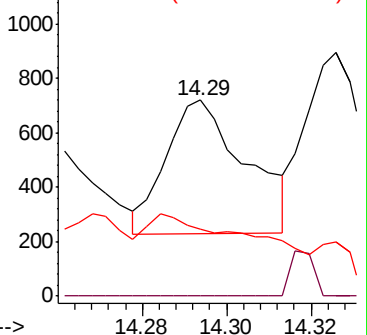
157 40.9 57.2 171.6#

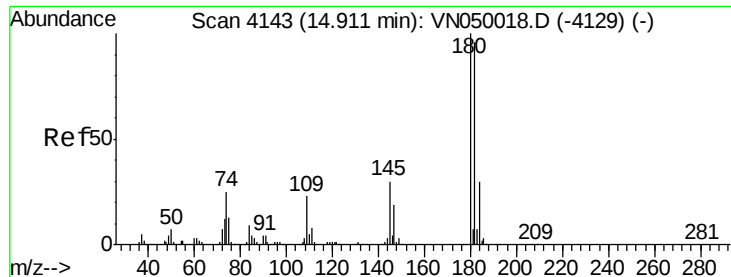


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

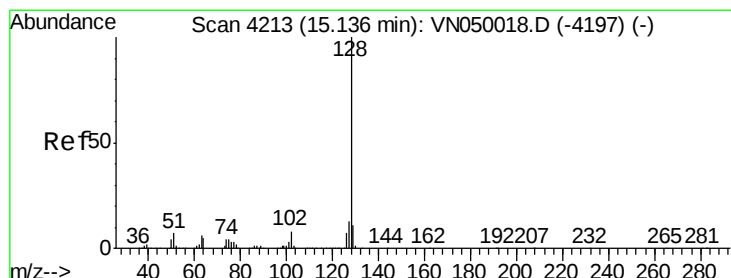
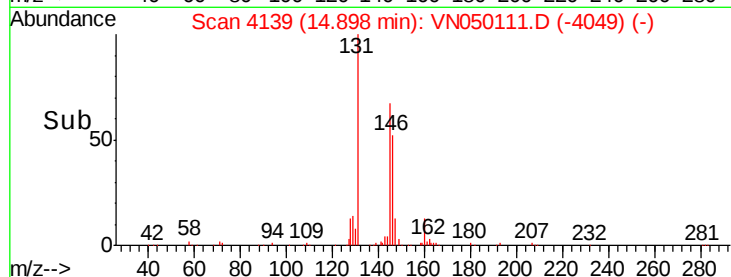
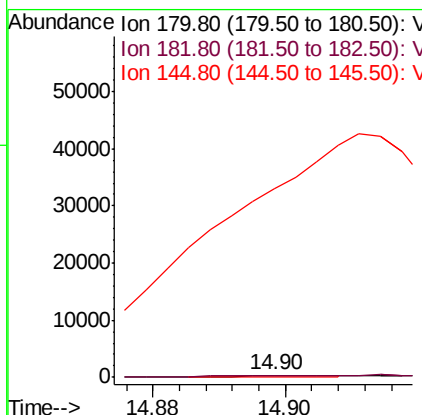
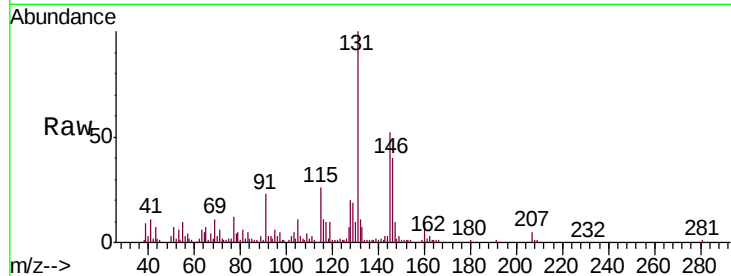




#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.12 ug/l  
 RT: 14.90 min Scan# 4139  
 Delta R.T. -0.01 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

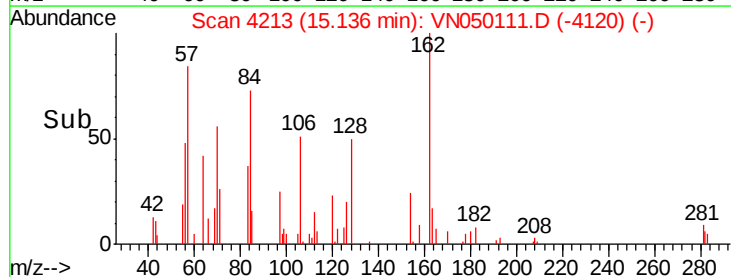
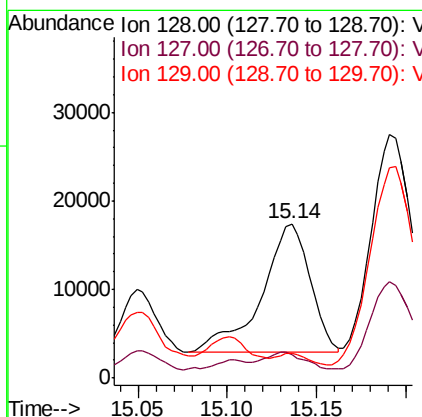
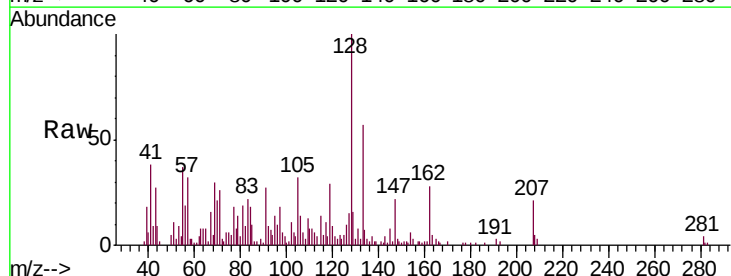
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 MW-14B

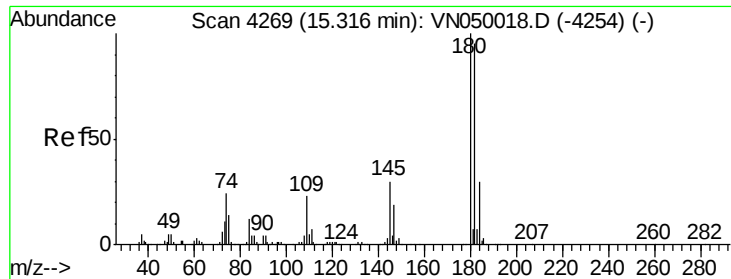
Tot Ion:180 Resp: 303  
 Ion Ratio Lower Upper  
 180 100  
 182 72.9 46.7 140.1  
 145 0.0 13.8 41.4#



#95  
 Naphthalene  
 Concen: 5.76 ug/l  
 RT: 15.14 min Scan# 4213  
 Delta R.T. 0.00 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

Tgt Ion:128 Resp: 27761  
 Ion Ratio Lower Upper  
 128 100  
 127 10.1 10.4 15.6#  
 129 0.0 8.8 13.2#

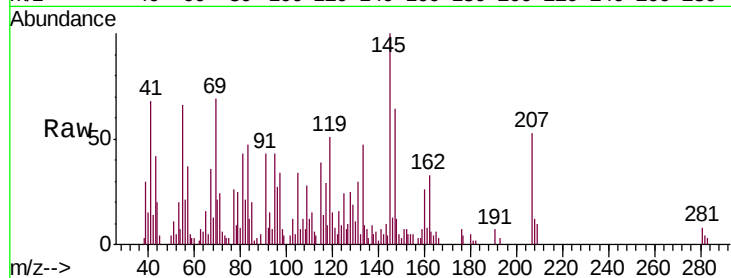




#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.22 ug/l  
 RT: 15.35 min Scan# 4278  
 Delta R.T. 0.03 min  
 Lab File: VN050111.D  
 Acq: 27 Jul 2018 4:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14B

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 180     | 100   |       |        |
| 182     | 151.3 | 48.1  | 144.4# |
| 145     | 0.0   | 15.3  | 45.9#  |



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

