

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100618\  
 Data File : VN051709.D  
 Acq On : 6 Oct 2018 00:53  
 Operator : MD\SY  
 Sample : J5084-07DL 100X  
 Misc : 4.90u/5.00mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 39 Sample Multiplier: 28

Quant Time: Oct 06 03:35:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 05 02:22:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 673723   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 973616   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 832448   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 331801   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 394163   | 44.29 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.58% |      |
| 35) Dibromofluoromethane  | 7.60   | 113 | 361518   | 48.03 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.06% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1369384  | 48.76 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.52% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 384157   | 38.65 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 77.30% |      |

## Target Compounds

|                                |       |     |        |           | Qvalue |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| 2) Dichlorodifluoromethane     | 2.09  | 85  | 76     | 1.158     | ug/l # | 42  |
| 7) Trichlorofluoromethane      | 2.95  | 101 | 69     | Below Cal | #      | 24  |
| 11) Tert butyl alcohol         | 4.78  | 59  | 150    | 0.248     | ug/l # | 73  |
| 13) Acrolein                   | 3.61  | 56  | 115    | 0.304     | ug/l # | 14  |
| 14) Allyl chloride             | 4.60  | 41  | 64544  | 6.745     | ug/l # | 32  |
| 16) Acetone                    | 3.79  | 43  | 5983   | Below Cal | #      | 44  |
| 18) Methyl Acetate             | 4.54  | 43  | 31164  | 6.344     | ug/l # | 48  |
| 25) 2-Butanone                 | 6.85  | 43  | 714    | 0.278     | ug/l # | 44  |
| 31) Cyclohexane                | 7.65  | 56  | 42740  | 3.537     | ug/l # | 71  |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 45931  | 4.513     | ug/l # | 48  |
| 38) Carbon Tetrachloride       | 7.66  | 117 | 60787  | 4.978     | ug/l # | 16  |
| 39) Methylcyclohexane          | 9.08  | 83  | 43171  | 3.379     | ug/l   | 93  |
| 41) Methacrylonitrile          | 7.18  | 41  | 190    | Below Cal | #      | 13  |
| 43) Isopropyl Acetate          | 8.15  | 43  | 7478   | 0.676     | ug/l # | 59  |
| 48) Methyl methacrylate        | 9.23  | 41  | 2012   | 0.398     | ug/l # | 31  |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43  | 4983   | 0.889     | ug/l # | 63  |
| 52) Toluene                    | 10.16 | 92  | 158844 | 7.916     | ug/l   | 97  |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97  | 9345   | 1.307     | ug/l # | 22  |
| 59) 2-Hexanone                 | 10.72 | 43  | 2922   | 0.767     | ug/l # | 22  |
| 67) Ethyl Benzene              | 11.51 | 91  | 382155 | 10.724    | ug/l   | 100 |
| 68) m/p-Xylenes                | 11.62 | 106 | 394020 | 27.634    | ug/l   | 100 |
| 69) o-Xylene                   | 11.95 | 106 | 118855 | 8.500     | ug/l   | 99  |
| 70) Styrene                    | 11.95 | 104 | 10194  | 0.458     | ug/l # | 1   |
| 71) Bromoform                  | 12.40 | 173 | 3576   | 0.582     | ug/l # | 1   |
| 73) Isopropylbenzene           | 12.25 | 105 | 42801  | 1.513     | ug/l   | 99  |
| 74) N-amyl acetate             | 12.05 | 43  | 2058   | Below Cal | #      | 53  |
| 75) 1,1,2,2-Tetrachloroethane  | 12.49 | 83  | 511    | Below Cal | #      | 49  |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 206127 | 49.997    | ug/l # | 100 |
| 78) n-propylbenzene            | 12.59 | 91  | 181827 | 5.894     | ug/l   | 98  |
| 79) 2-Chlorotoluene            | 12.66 | 91  | 61558  | 3.386     | ug/l # | 38  |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 188994 | 7.929     | ug/l   | 97  |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 206127 | 114.195   | ug/l # | 15  |
| 82) 4-Chlorotoluene            | 12.73 | 91  | 19802  | 1.084     | ug/l # | 39  |
| 83) tert-Butylbenzene          | 13.04 | 119 | 79981  | 3.745     | ug/l # | 66  |

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Sample : J5084-07DL 100X  
Misc : 4.90µ/5.00mL/100µL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 39 Sample Multiplier: 28

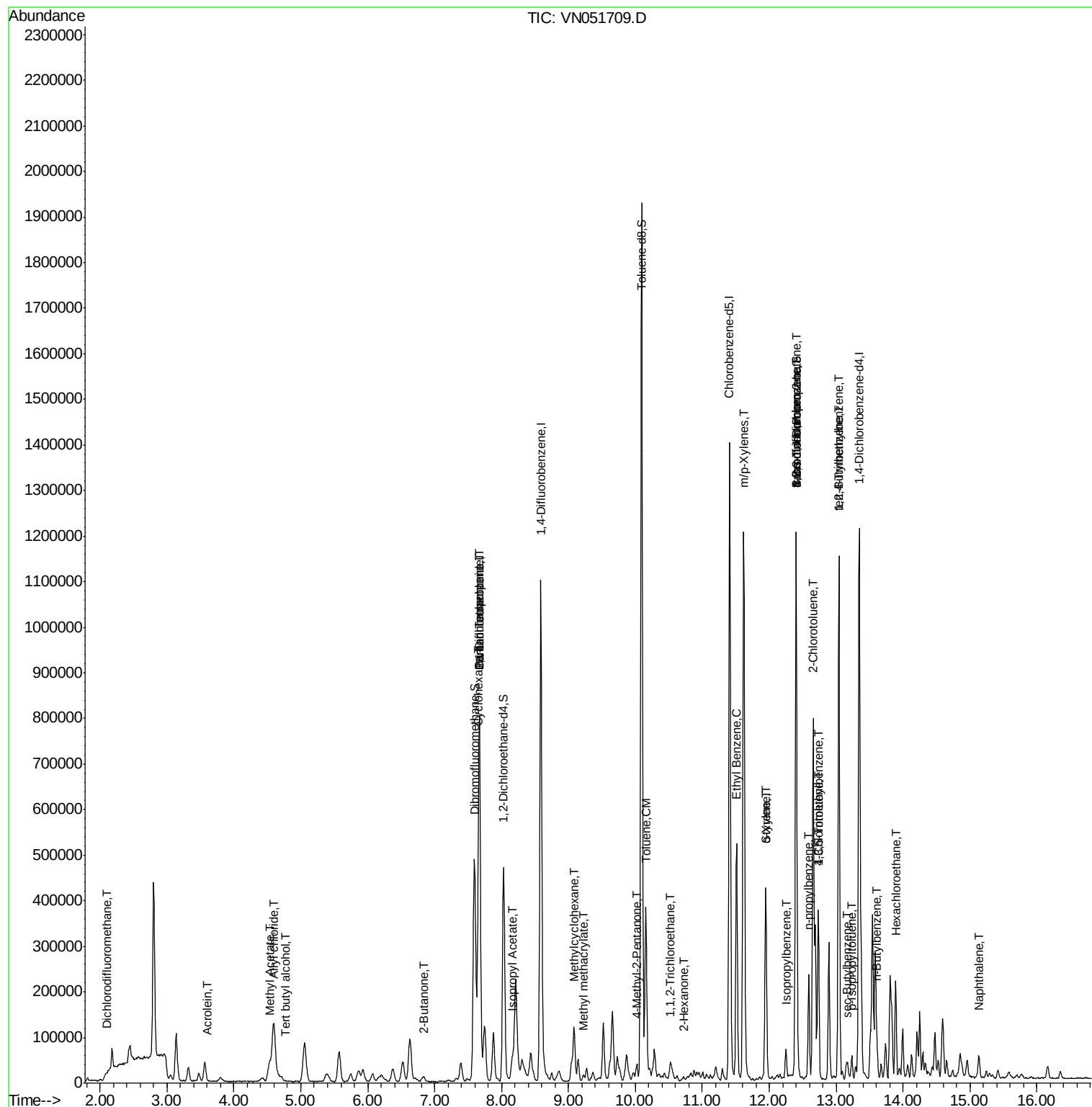
Quant Time: Oct 06 03:35:12 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 05 02:22:33 2018  
Response via : Initial Calibration

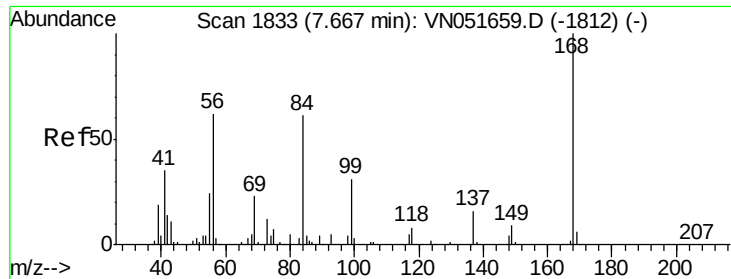
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|----------------------------|-------|------|----------|--------|--------|----------|
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105  | 647622   | 27.125 | ug/l   | 99       |
| 85) sec-Butylbenzene       | 13.17 | 105  | 20973    | 0.742  | ug/l # | 57       |
| 86) p-Isopropyltoluene     | 13.23 | 119  | 26987    | 1.078  | ug/l   | 97       |
| 89) n-Butylbenzene         | 13.61 | 91   | 28743    | 1.451  | ug/l # | 67       |
| 90) Hexachloroethane       | 13.89 | 117  | 10266    | 2.054  | ug/l # | 7        |
| 95) Naphthalene            | 15.13 | 128  | 41709    | 3.623  | ug/l   | 98       |

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051709.D

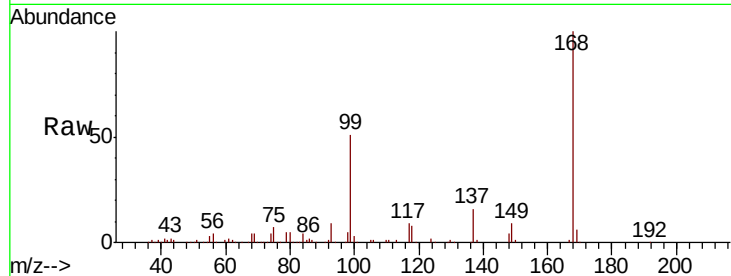
Acq: 6 Oct 2018 00:53

Tot Ion:168 Resp: 673723

Ion Ratio Lower Upper

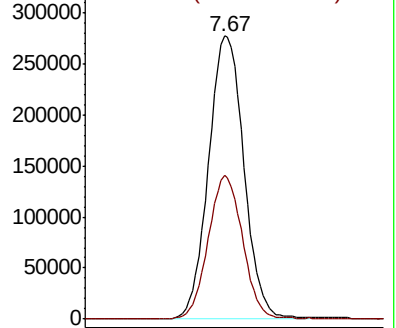
168 100

99 50.8 40.4 60.6

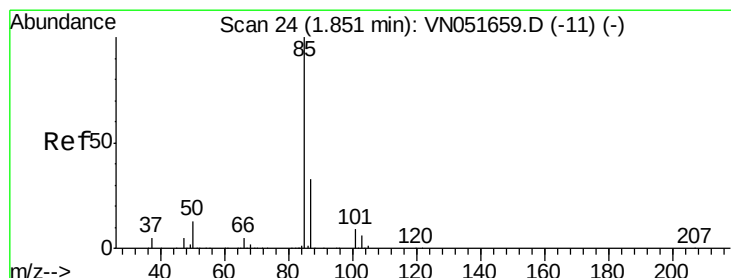
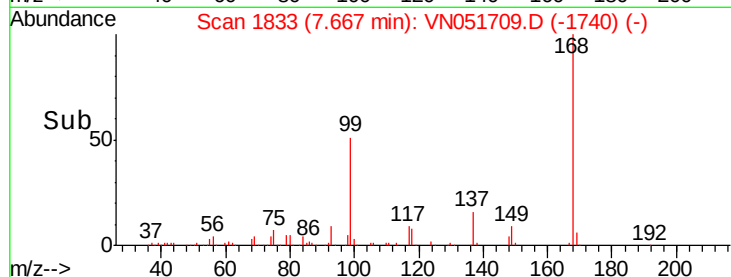


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 1.158 ug/l

RT: 2.09 min Scan# 97

Delta R.T. 0.24 min

Lab File: VN051709.D

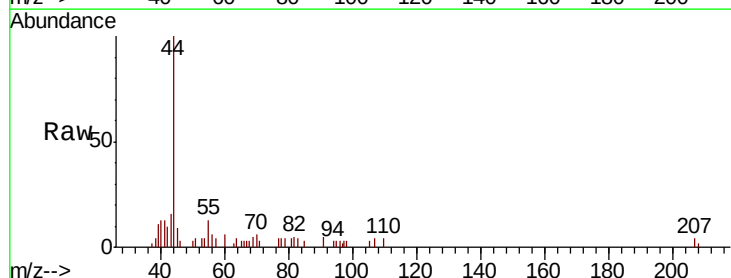
Acq: 6 Oct 2018 00:53

Tgt Ion: 85 Resp: 76

Ion Ratio Lower Upper

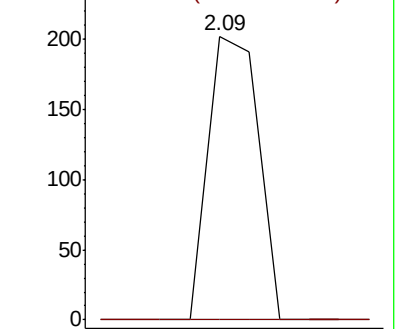
85 100

87 0.0 16.4 49.4#

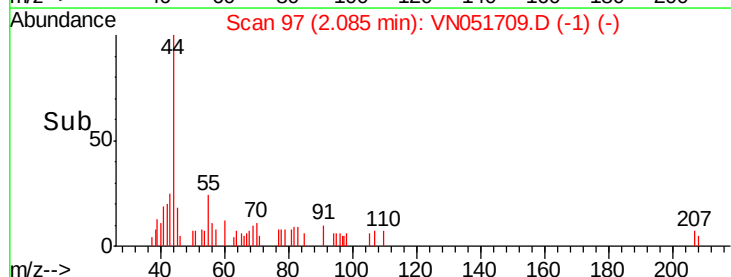


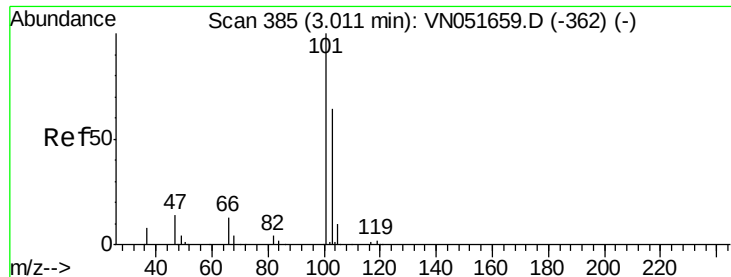
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->

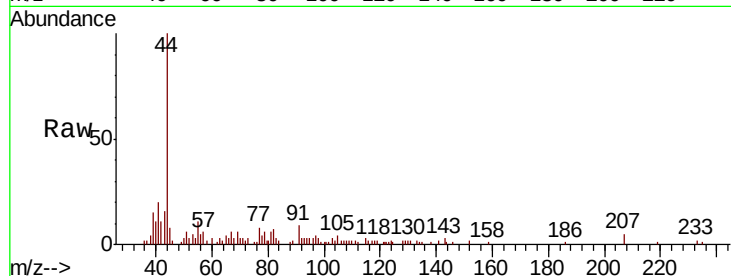




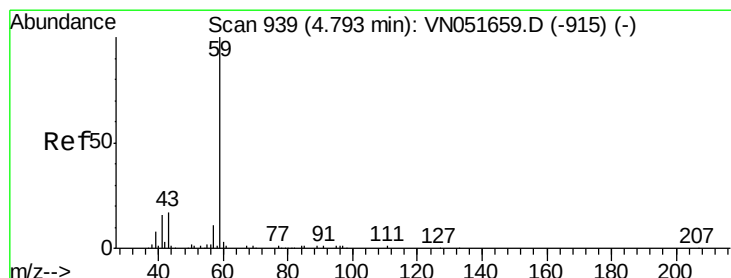
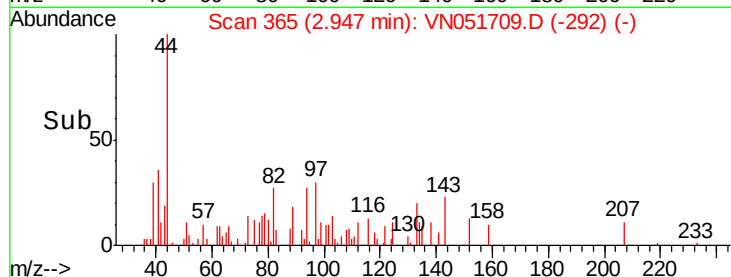
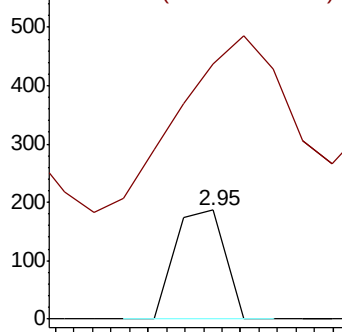
#7

Trichlorofluoromethane  
Concen: Below Cal  
RT: 2.95 min Scan# 365  
Delta R.T. -0.06 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 123.7 | 51.1  | 76.7# |



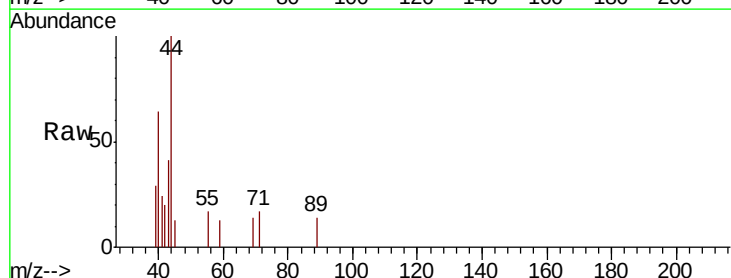
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



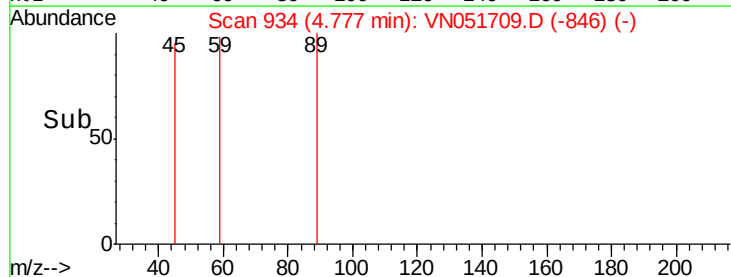
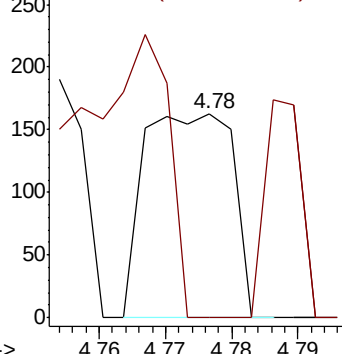
#11

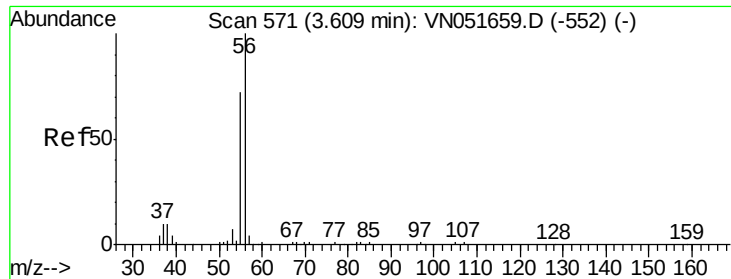
Tert butyl alcohol  
Concen: 0.248 ug/l  
RT: 4.78 min Scan# 934  
Delta R.T. -0.02 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 0.0   | 8.1   | 12.1# |



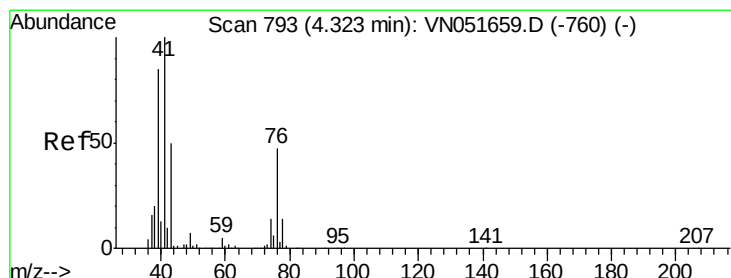
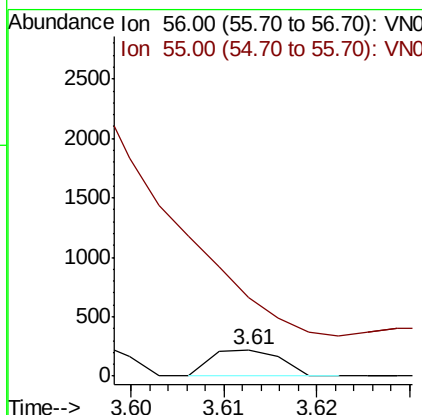
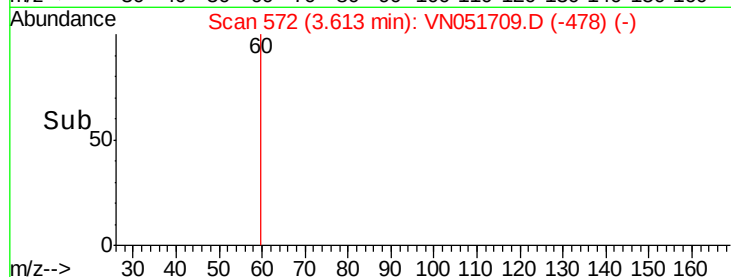
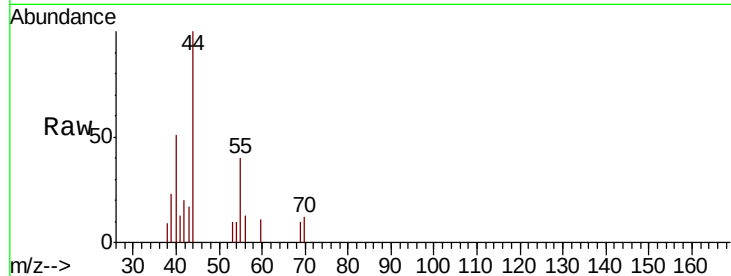
Abundance Ion 59.00 (58.70 to 59.70): VNO  
Ion 57.00 (56.70 to 57.70): VNO





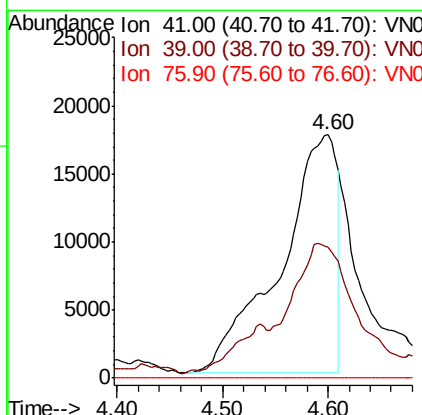
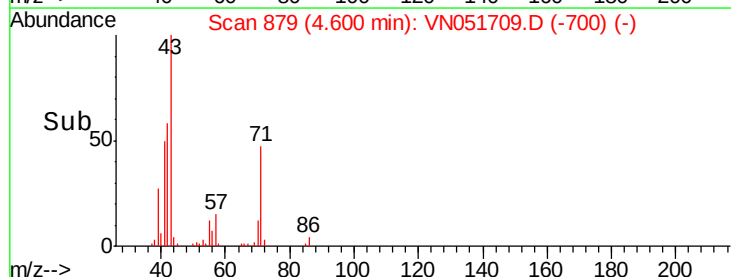
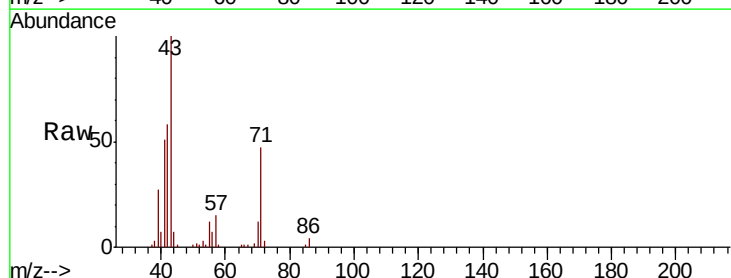
#13  
Acrolein  
Concen: 0.304 ug/l  
RT: 3.61 min Scan# 572  
Delta R.T. 0.00 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

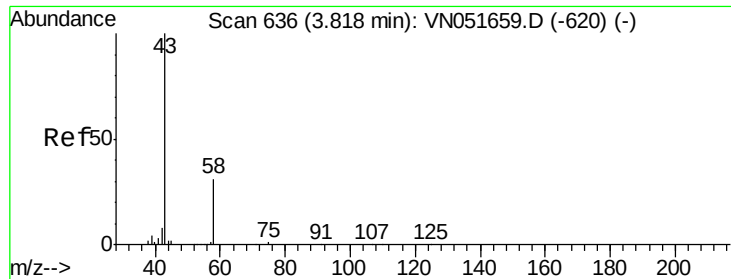
Tot Ion: 56 Resp: 115  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.5 86.3#



#14  
Allyl chloride  
Concen: 6.745 ug/l  
RT: 4.60 min Scan# 879  
Delta R.T. 0.28 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tgt Ion: 41 Resp: 64544  
Ion Ratio Lower Upper  
41 100  
39 20.8 65.4 98.0#  
76 0.0 34.3 51.5#





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. -0.03 min

Lab File: VN051709.D

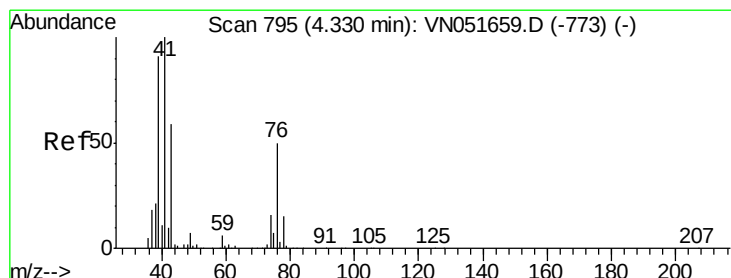
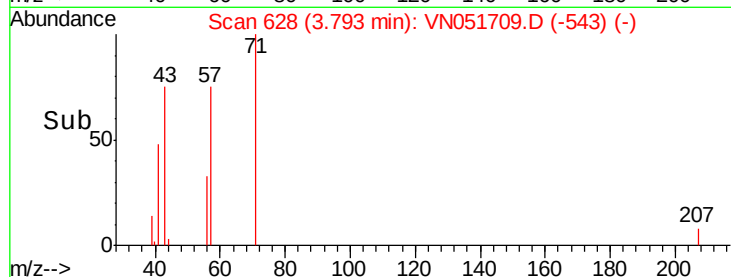
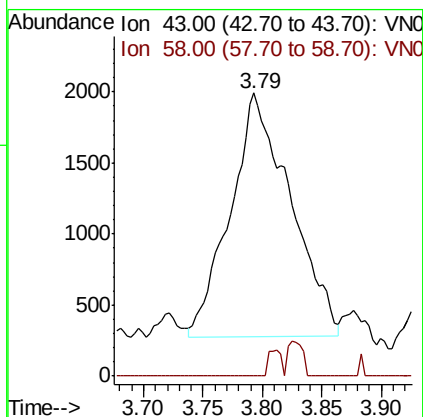
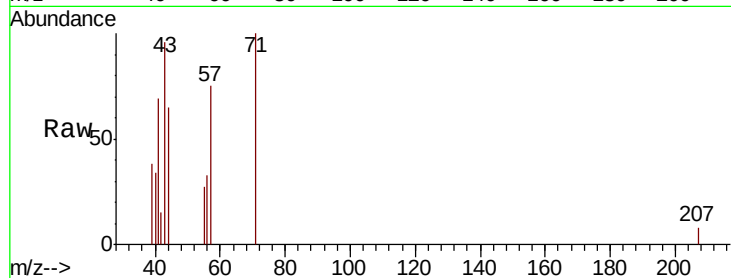
Acq: 6 Oct 2018 00:53

Tot Ion: 43 Resp: 5983

Ion Ratio Lower Upper

43 100

58 0.0 24.3 36.5#



#18

Methyl Acetate

Concen: 6.344 ug/l

RT: 4.54 min Scan# 859

Delta R.T. 0.21 min

Lab File: VN051709.D

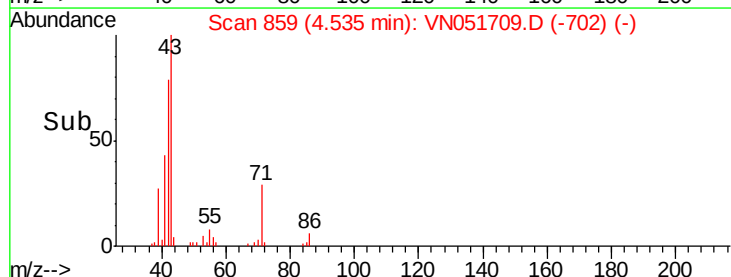
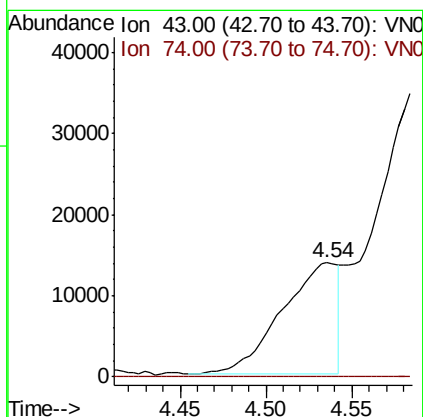
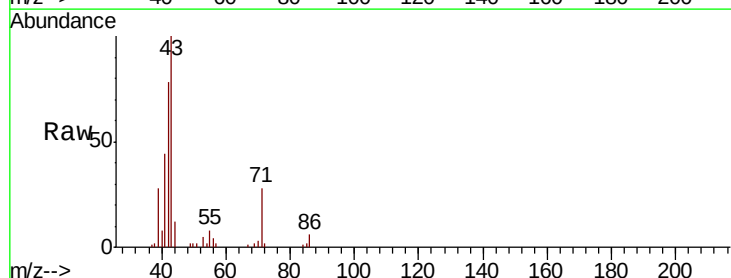
Acq: 6 Oct 2018 00:53

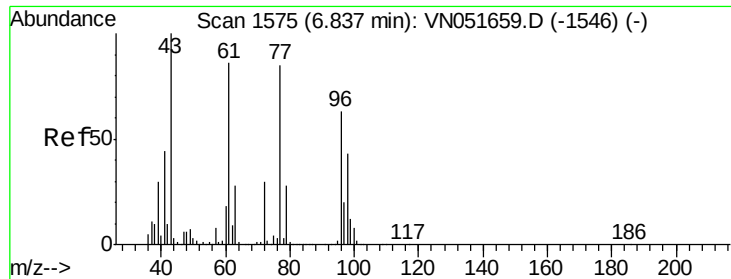
Tgt Ion: 43 Resp: 31164

Ion Ratio Lower Upper

43 100

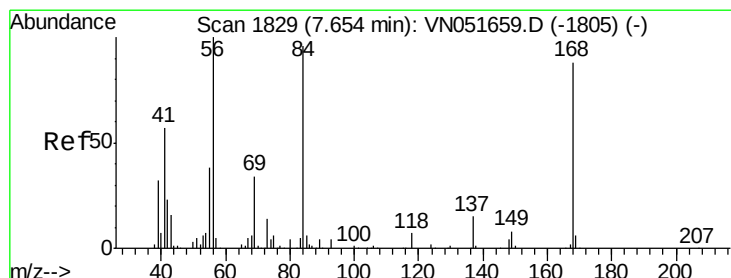
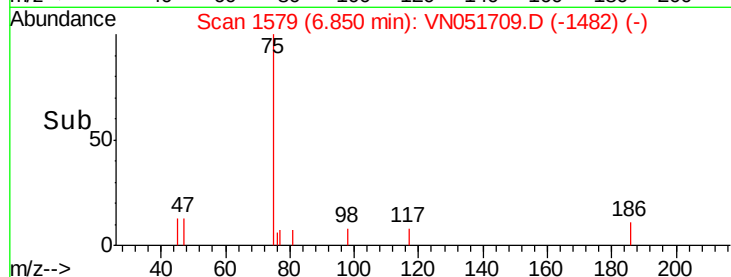
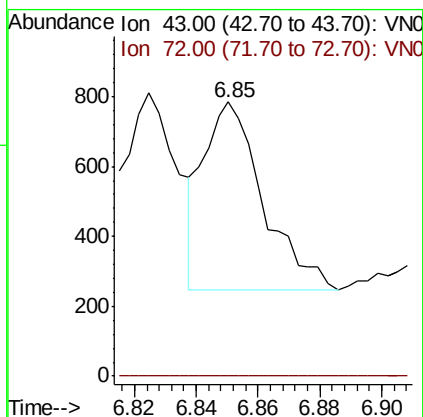
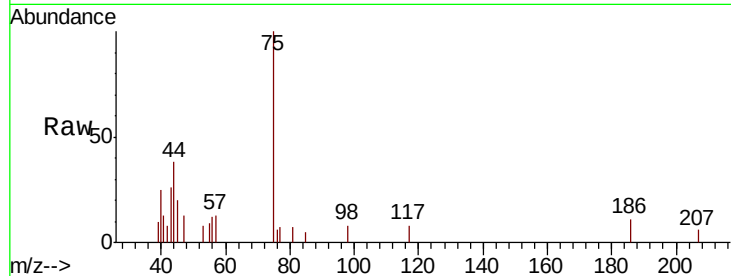
74 0.0 21.5 32.3#





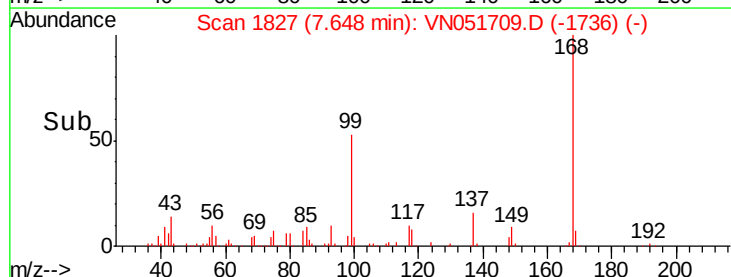
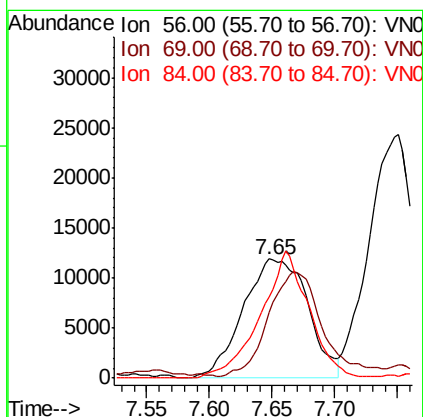
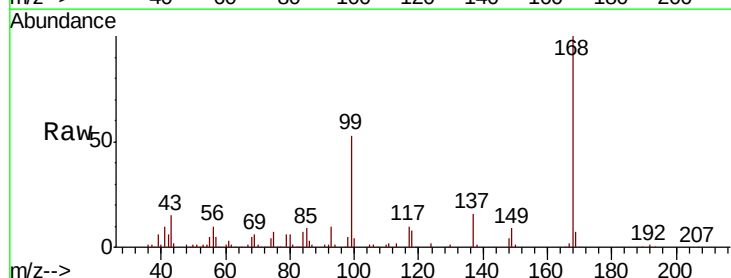
#25  
2-Butanone  
Concen: 0.278 ug/l  
RT: 6.85 min Scan# 1579  
Delta R.T. 0.01 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tot Ion: 43 Resp: 714  
Ion Ratio Lower Upper  
43 100  
72 0.0 24.2 36.2#

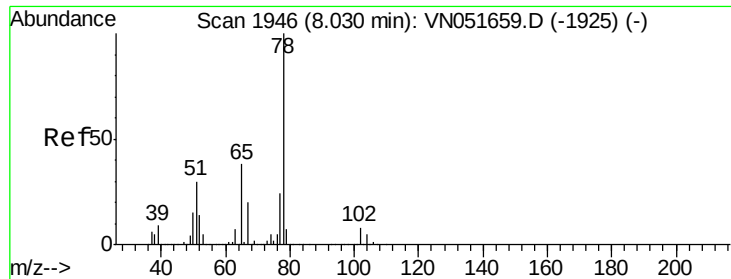


#31  
Cyclohexane  
Concen: 3.537 ug/l  
RT: 7.65 min Scan# 1827  
Delta R.T. -0.01 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tgt Ion: 56 Resp: 42740  
Ion Ratio Lower Upper  
56 100  
69 52.3 27.5 41.3#  
84 68.3 76.7 115.1#

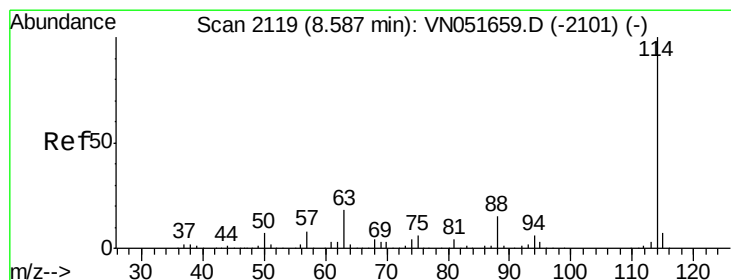
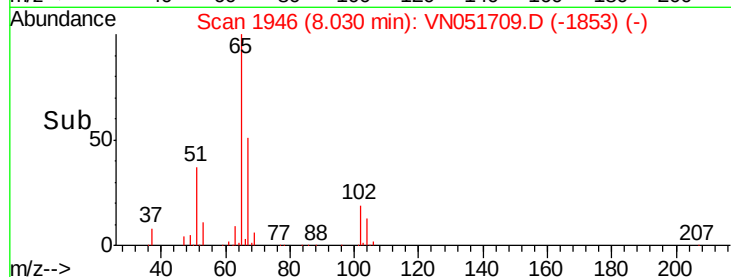
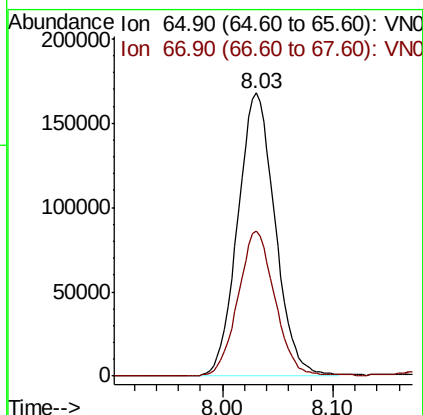
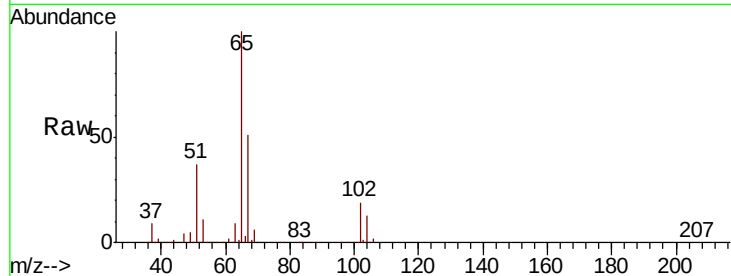






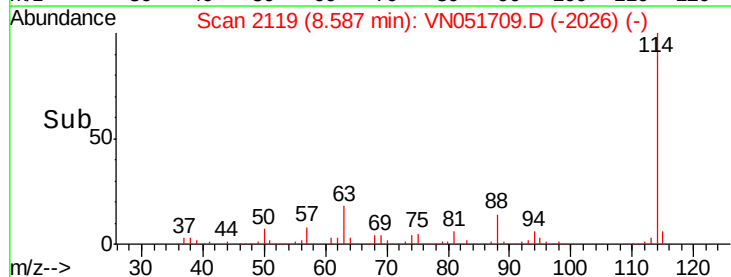
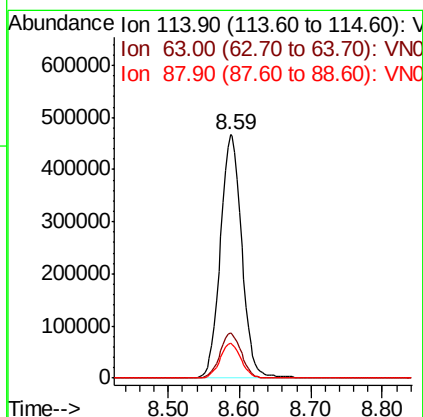
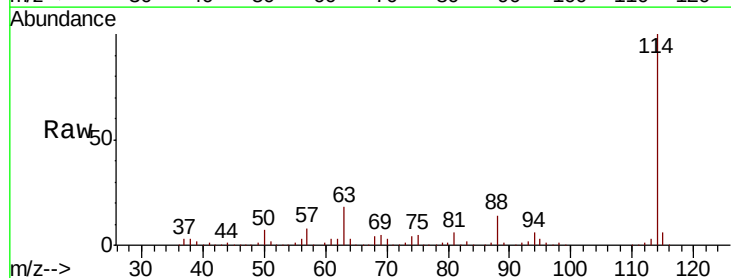
#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN051709.D  
 Acq: 6 Oct 2018 00:53

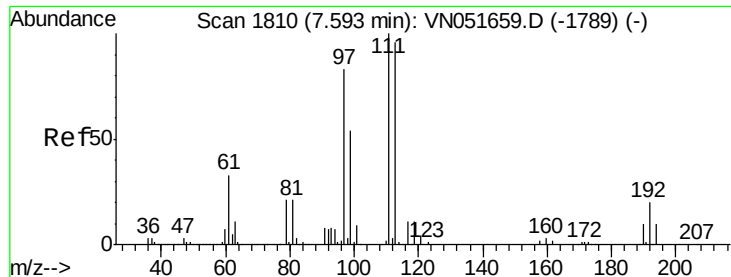
Tot Ion: 65 Resp: 394163  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051709.D  
 Acq: 6 Oct 2018 00:53

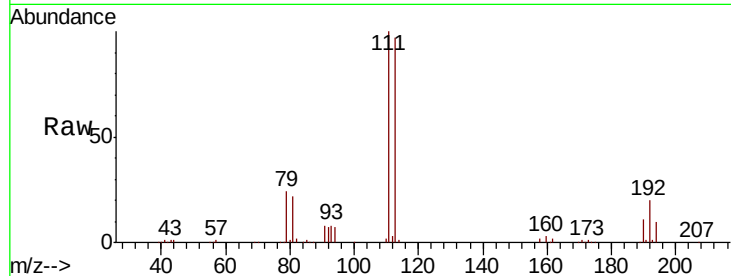
Tgt Ion: 114 Resp: 973616  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 36.2  
 88 14.3 0.0 30.2





#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.60 min Scan# 1811  
 Delta R.T. 0.00 min  
 Lab File: VN051709.D  
 Acq: 6 Oct 2018 00:53

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 81.8  | 122.8 |
| 192     | 21.3  | 16.5  | 24.7  |

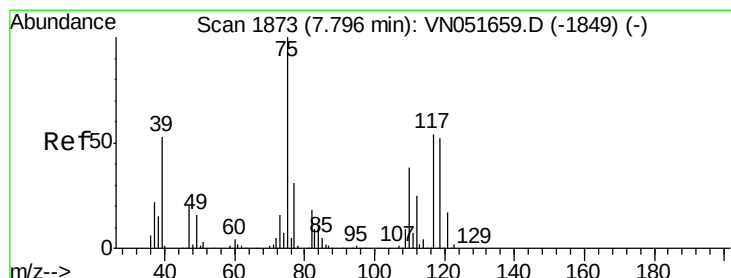
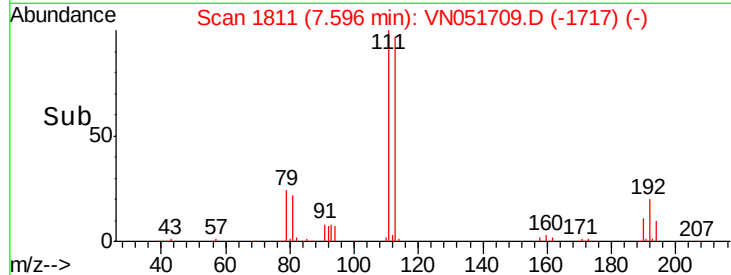
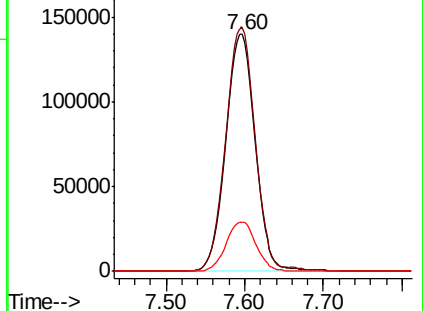


Abundance

Ion 112.80 (112.50 to 113.50): V

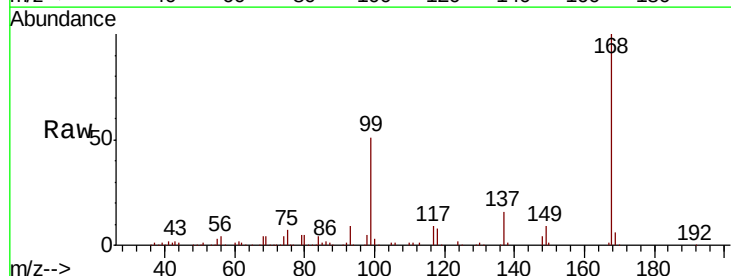
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 4.513 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN051709.D  
 Acq: 6 Oct 2018 00:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.1   | 19.3  | 57.8# |
| 77      | 0.5   | 24.7  | 37.1# |

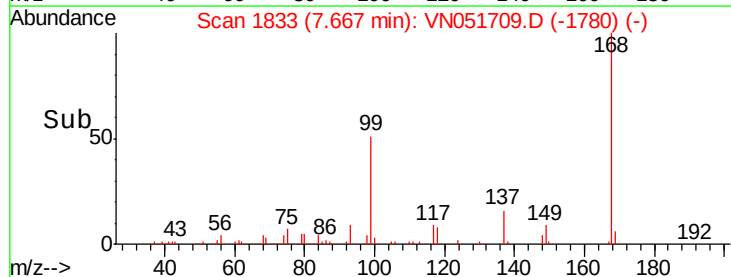
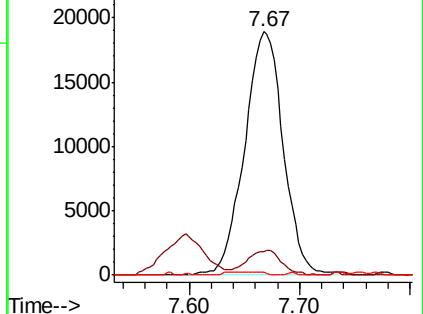


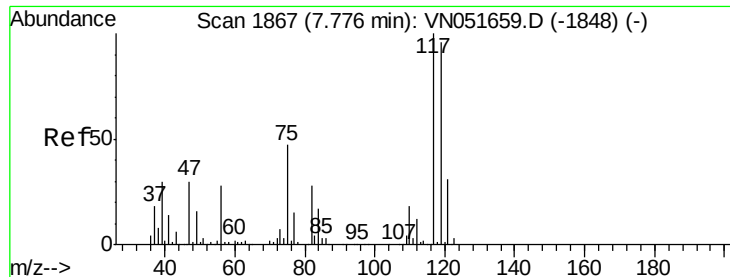
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.978 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

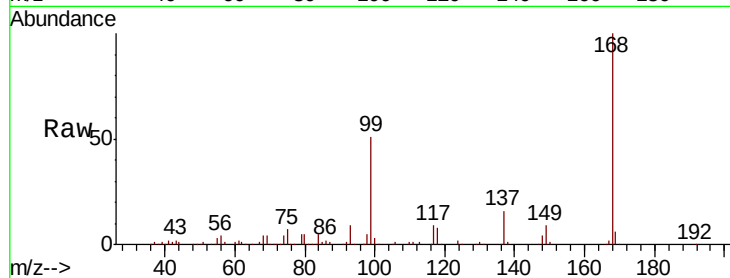
Tot Ion:117 Resp: 60787

Ion Ratio Lower Upper

117 100

119 4.8 77.0 115.6#

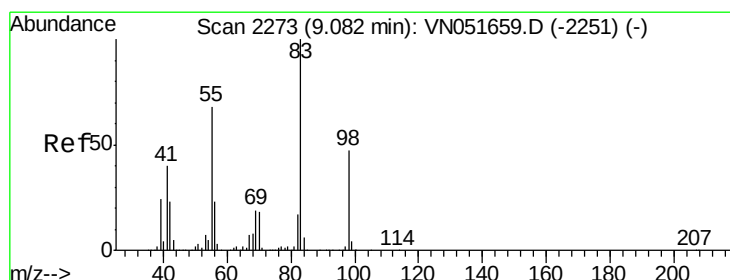
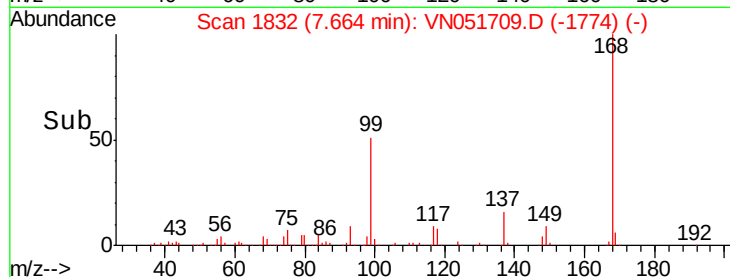
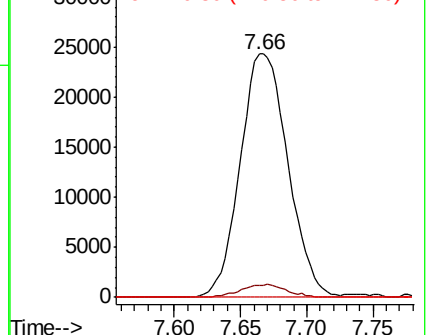
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 3.379 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

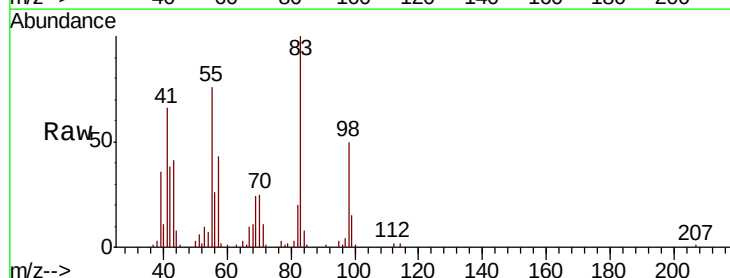
Tgt Ion: 83 Resp: 43171

Ion Ratio Lower Upper

83 100

55 74.4 54.3 81.5

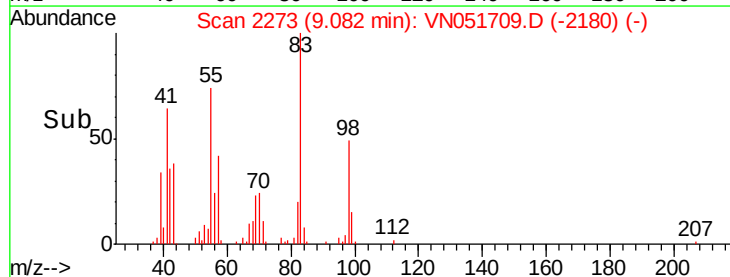
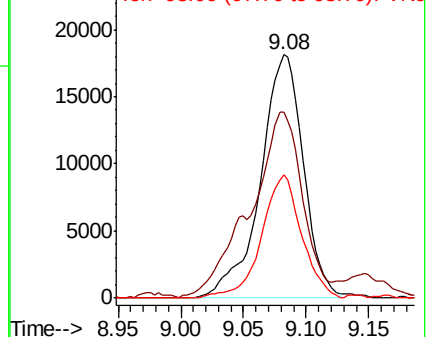
98 50.5 37.4 56.2

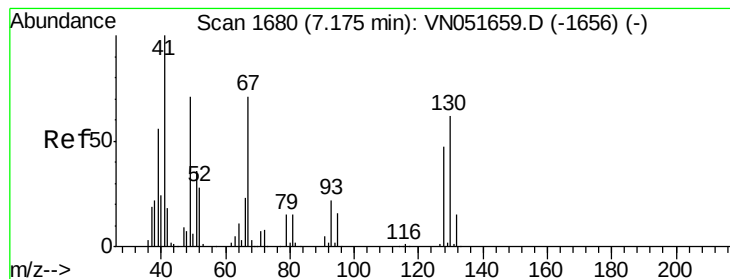


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.18 min Scan# 1683

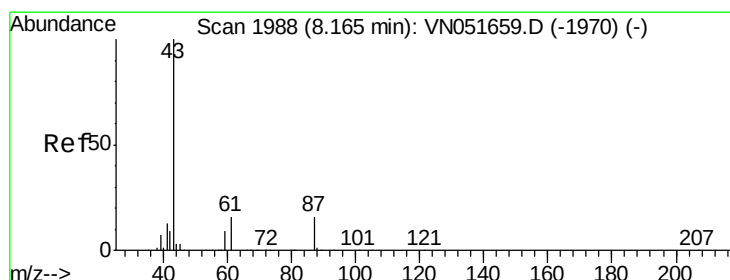
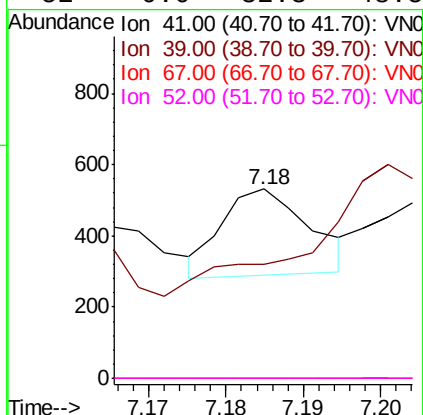
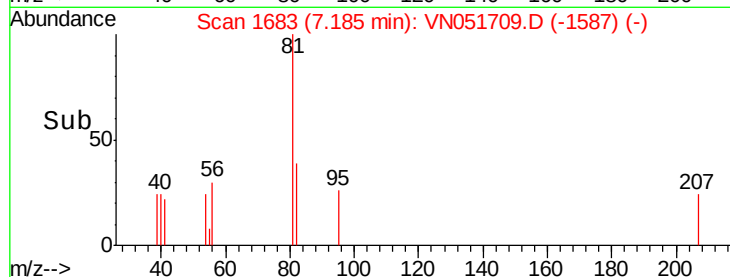
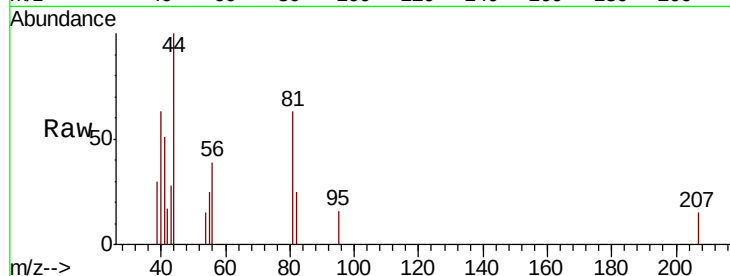
Delta R.T. 0.01 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

Tot Ion: 41 Resp: 190

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 41  | 100   |       |        |
| 39  | 0.0   | 53.9  | 80.9#  |
| 67  | 0.0   | 78.1  | 117.1# |
| 52  | 0.0   | 32.3  | 48.5#  |



#43

Isopropyl Acetate

Concen: 0.676 ug/l

RT: 8.15 min Scan# 1983

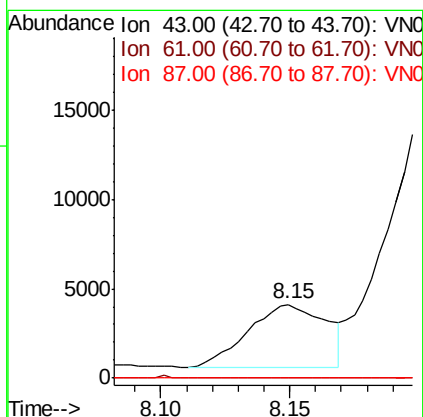
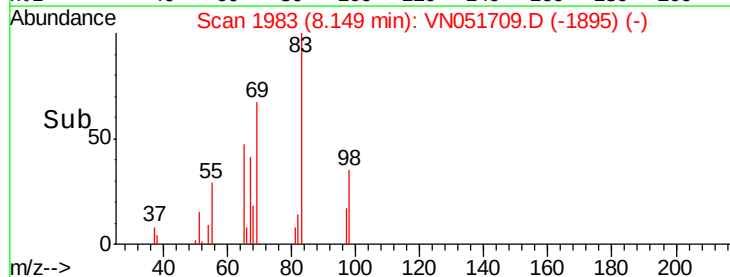
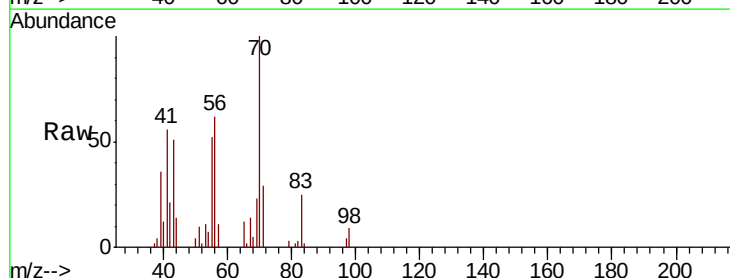
Delta R.T. -0.02 min

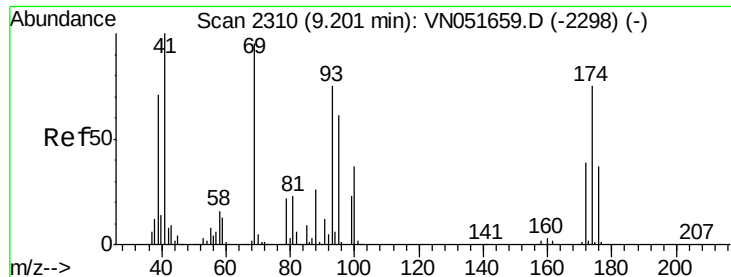
Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

Tgt Ion: 43 Resp: 7478

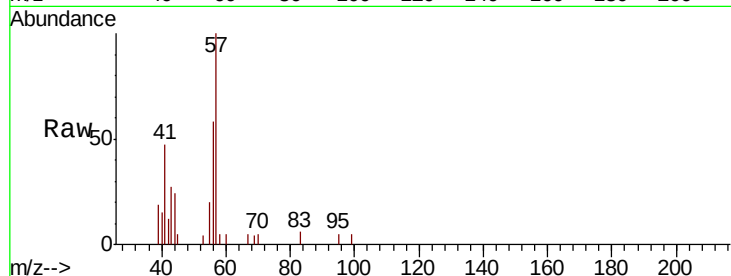
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 0.0   | 15.8  | 23.6# |
| 87  | 0.0   | 12.6  | 19.0# |



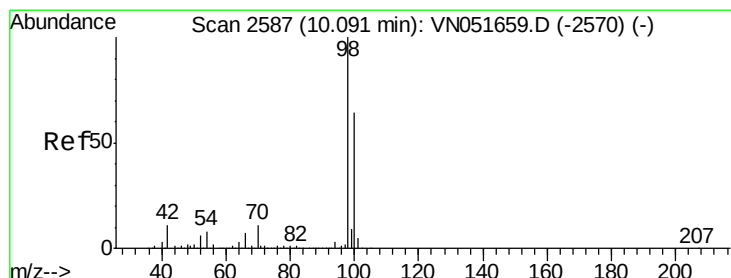
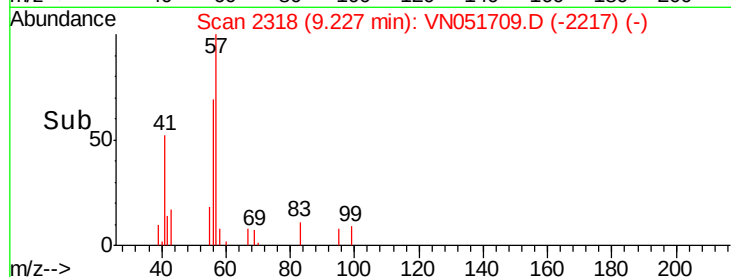
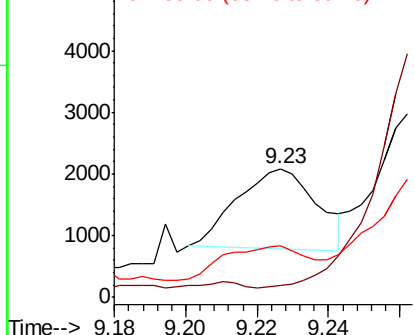


#48  
Methvl methacrylate  
Concen: 0.398 ug/l  
RT: 9.23 min Scan# 2318  
Delta R.T. 0.03 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tot Ion: 41 Resp: 2012  
Ion Ratio Lower Upper  
41 100  
69 0.0 78.6 118.0#  
39 49.7 59.2 88.8#

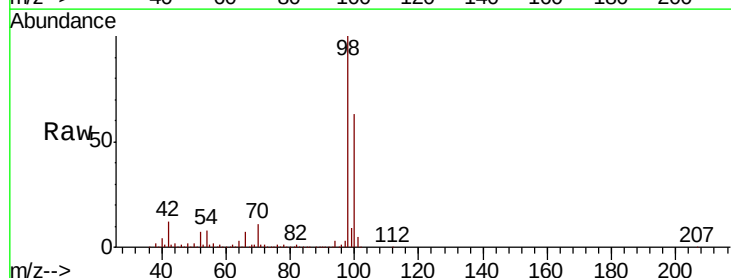


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0

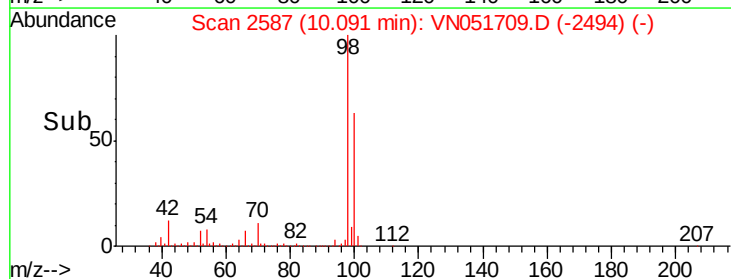
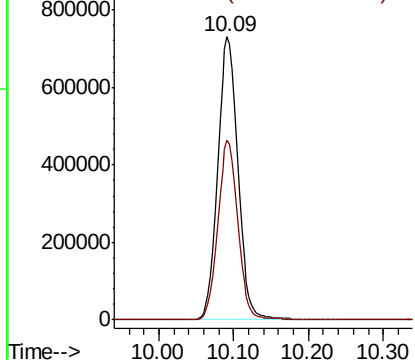


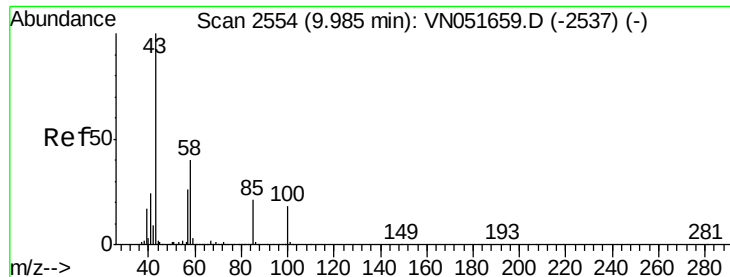
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tgt Ion: 98 Resp: 1369384  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.889 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN051709.D

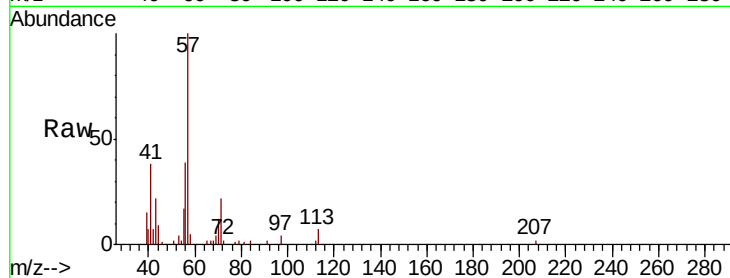
Acq: 6 Oct 2018 00:53

Tot Ion: 43 Resp: 4983

Ion Ratio Lower Upper

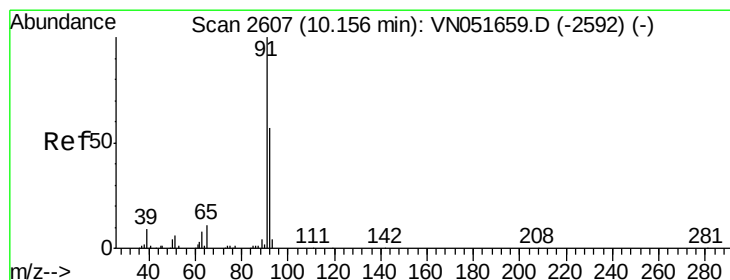
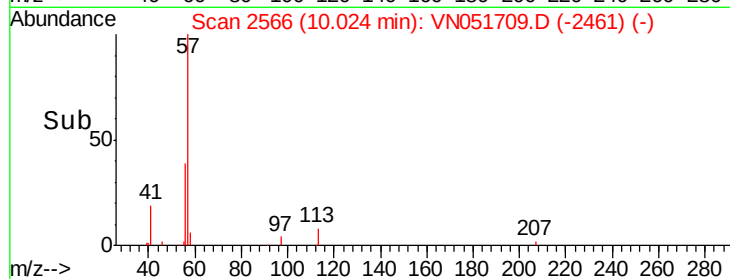
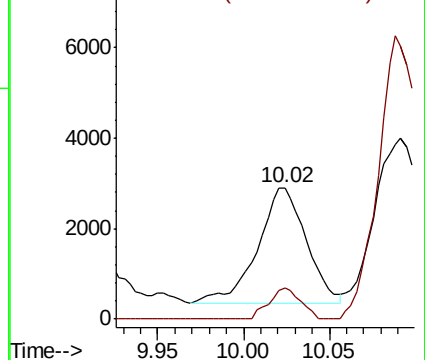
43 100

58 17.5 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051709.D (-2566) (-)

Ion 58.00 (57.70 to 58.70): VN051709.D (-2566) (-)



#52

Toluene

Concen: 7.916 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN051709.D

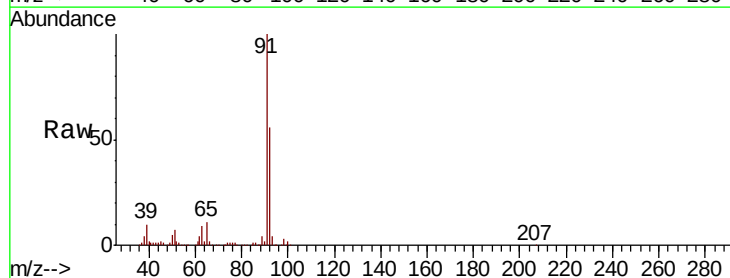
Acq: 6 Oct 2018 00:53

Tgt Ion: 92 Resp: 158844

Ion Ratio Lower Upper

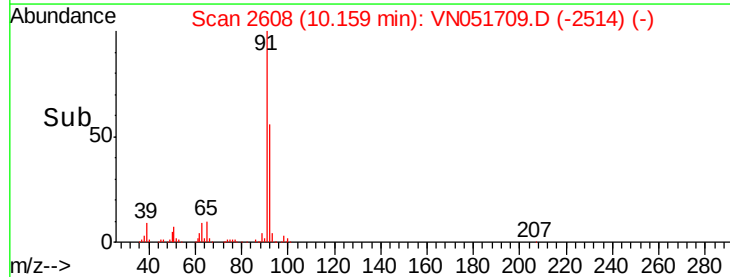
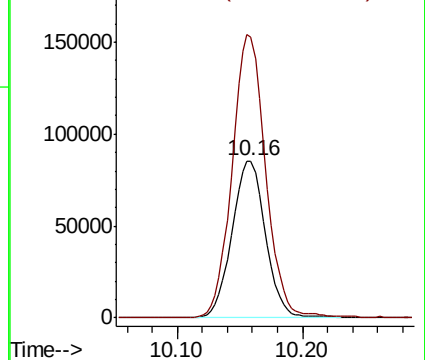
92 100

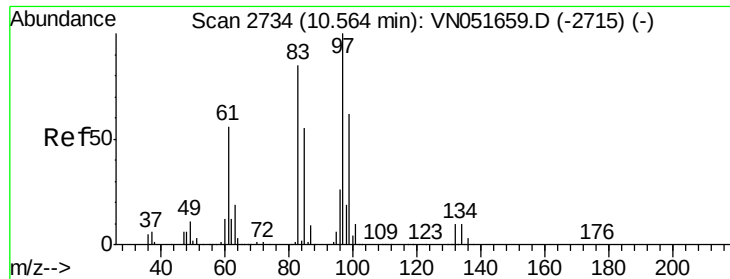
91 179.6 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051709.D (-2608) (-)

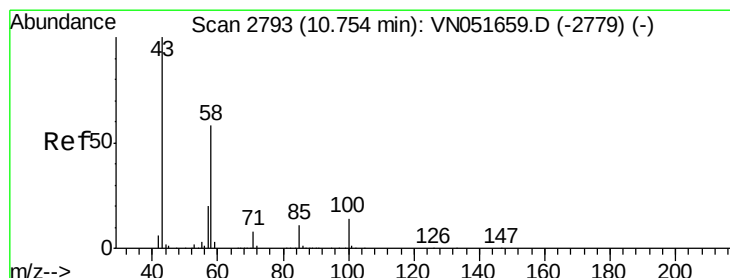
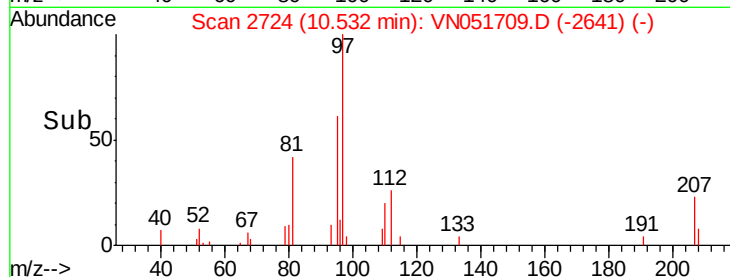
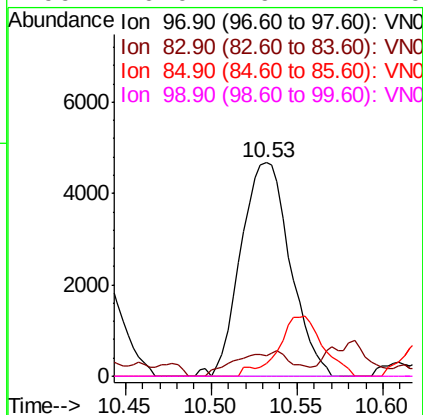
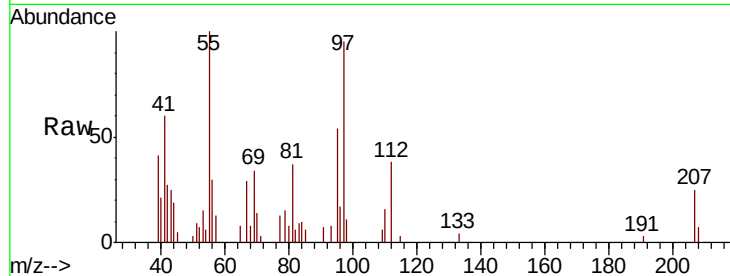
Ion 91.00 (90.70 to 91.70): VN051709.D (-2608) (-)





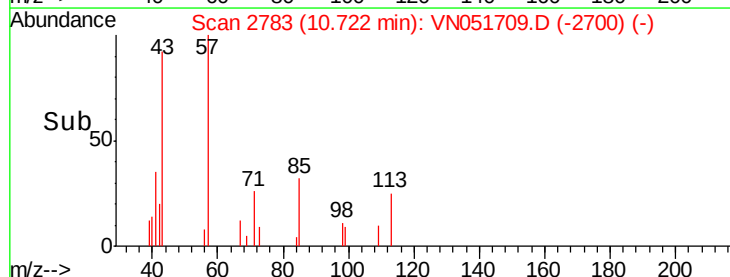
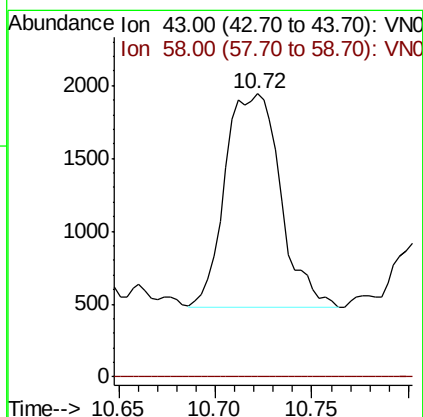
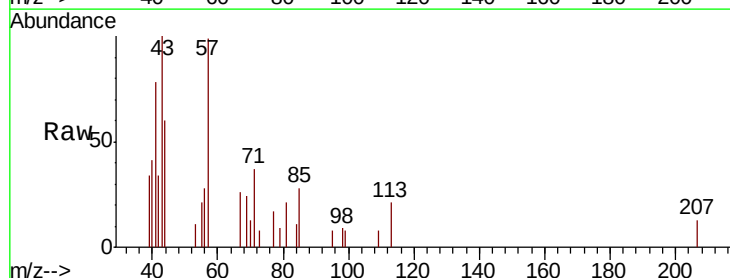
#55  
 1,1,2-Trichloroethane  
 Concen: 1.307 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. -0.03 min  
 Lab File: VN051709.D  
 Acq: 6 Oct 2018 00:53

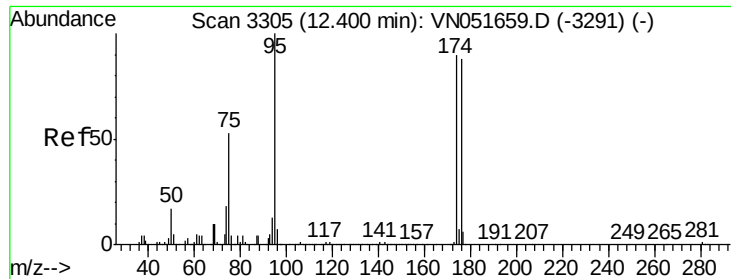
Tot Ion: 97 Resp: 9345  
 Ion Ratio Lower Upper  
 97 100  
 83 9.6 68.1 102.1#  
 85 5.8 43.6 65.4#  
 99 0.0 49.4 74.0#



#59  
 2-Hexanone  
 Concen: 0.767 ug/l  
 RT: 10.72 min Scan# 2783  
 Delta R.T. -0.03 min  
 Lab File: VN051709.D  
 Acq: 6 Oct 2018 00:53

Tgt Ion: 43 Resp: 2922  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 28.8 86.4#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

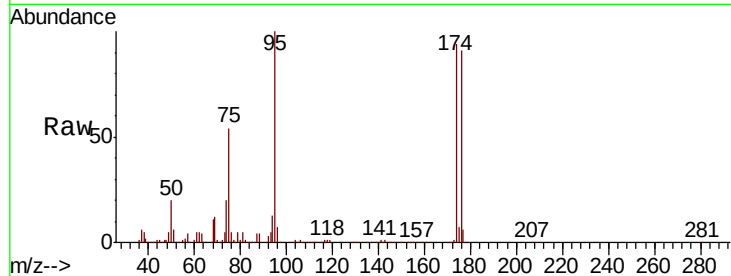
Tot Ion: 95 Resp: 384157

Ion Ratio Lower Upper

95 100

174 95.2 0.0 182.8

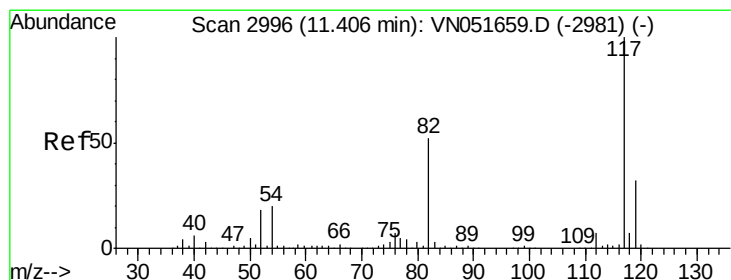
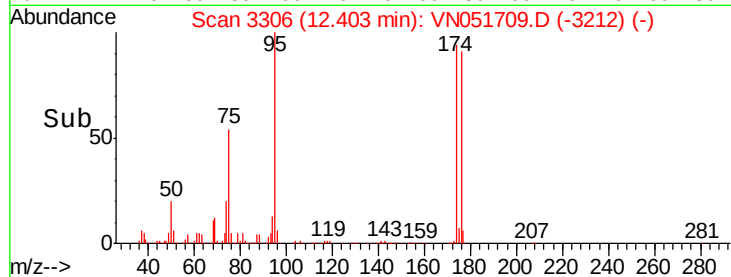
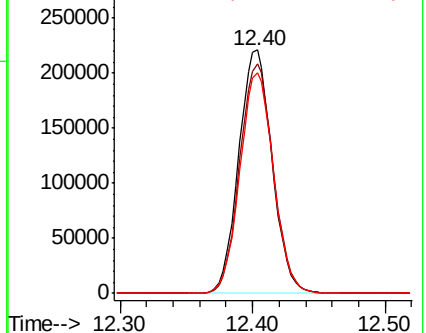
176 91.6 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051659.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051659.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051659.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

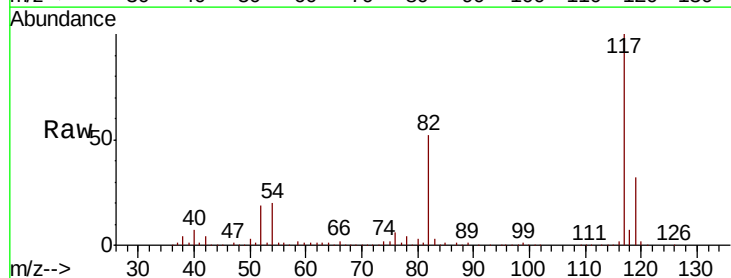
Tgt Ion: 117 Resp: 832448

Ion Ratio Lower Upper

117 100

82 51.6 41.3 61.9

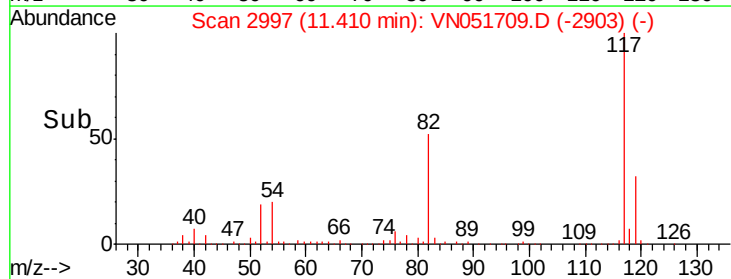
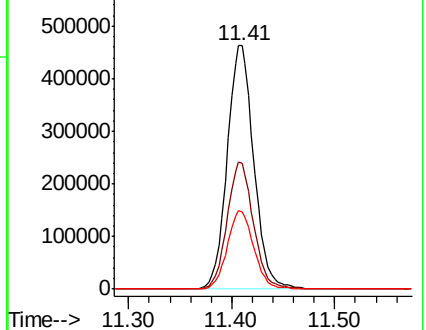
119 31.8 25.9 38.9



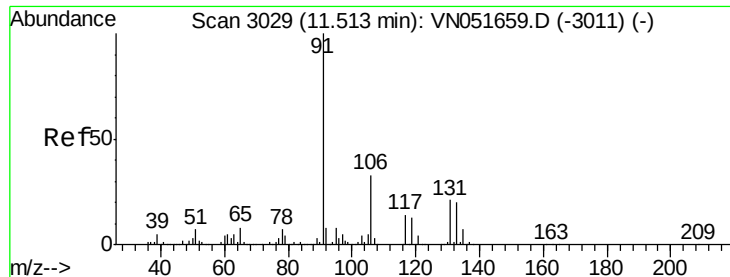
Abundance Ion 116.90 (116.60 to 117.60): VN051659.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051659.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051659.D (-2981) (-)

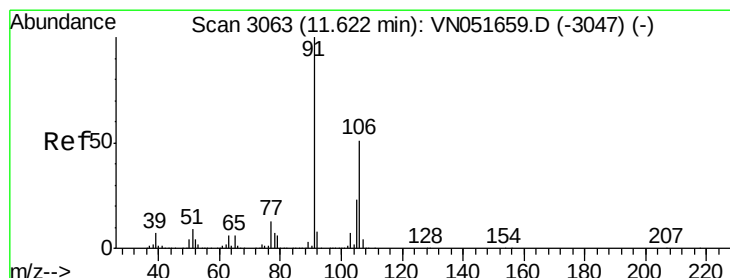
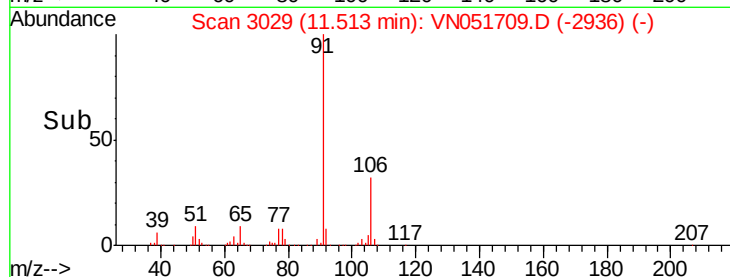
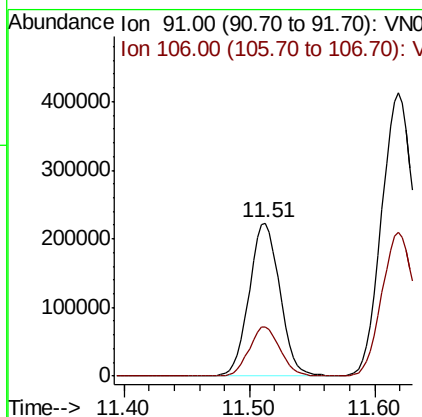
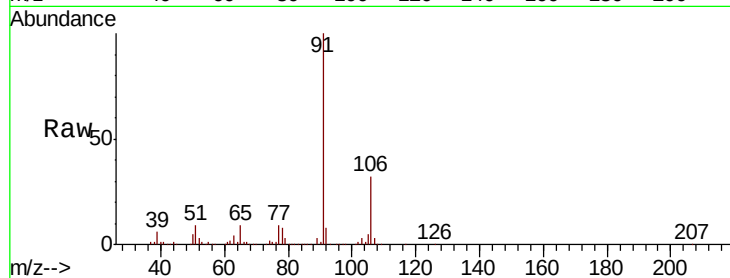






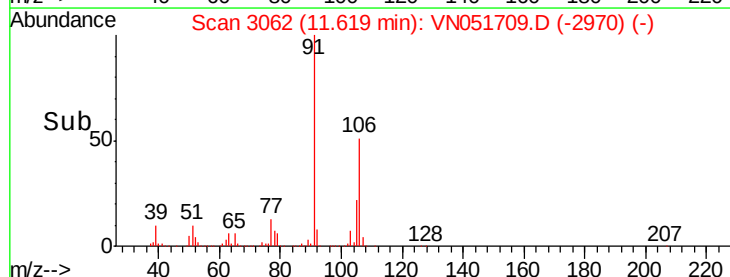
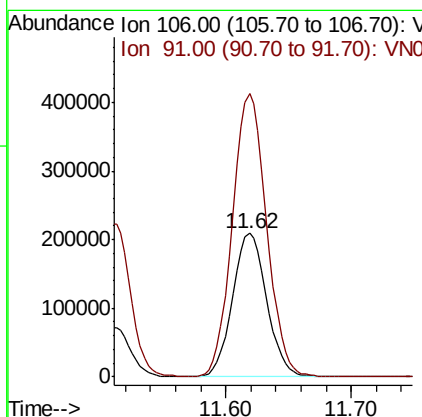
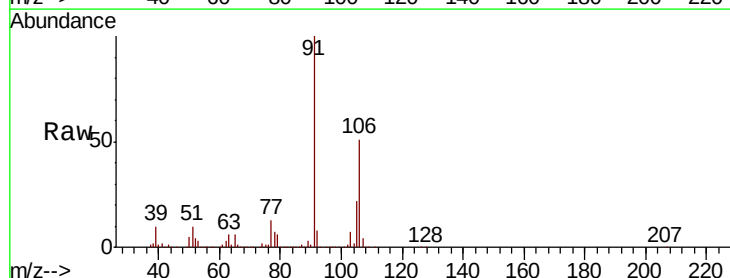
#67  
Ethyl Benzene  
Concen: 10.724 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

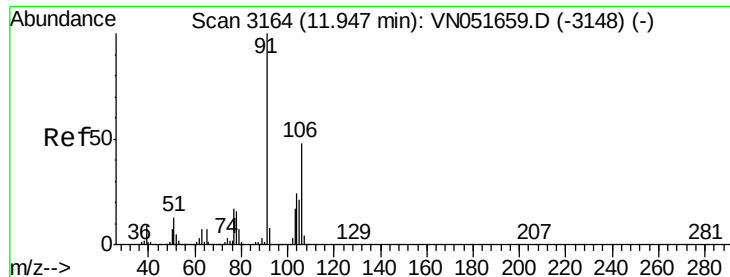
Tot Ion: 91 Resp: 382155  
Ion Ratio Lower Upper  
91 100  
106 32.2 26.0 39.0



#68  
m/p-Xylenes  
Concen: 27.634 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

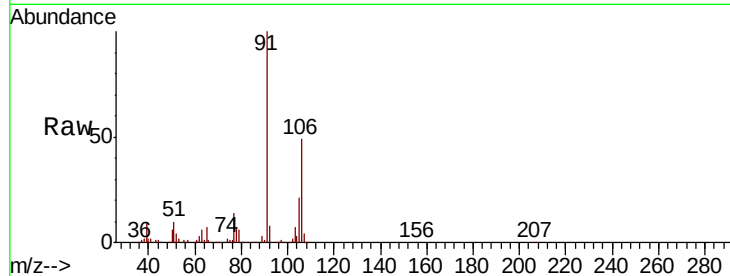
Tgt Ion: 106 Resp: 394020  
Ion Ratio Lower Upper  
106 100  
91 197.8 158.4 237.6



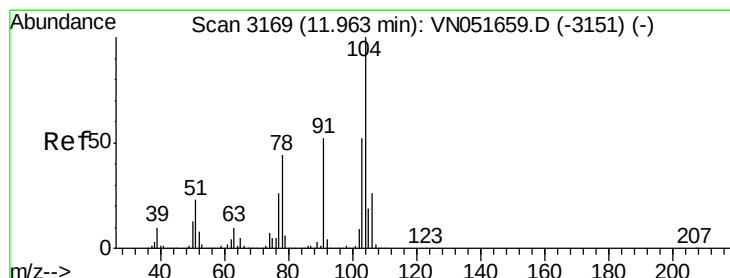
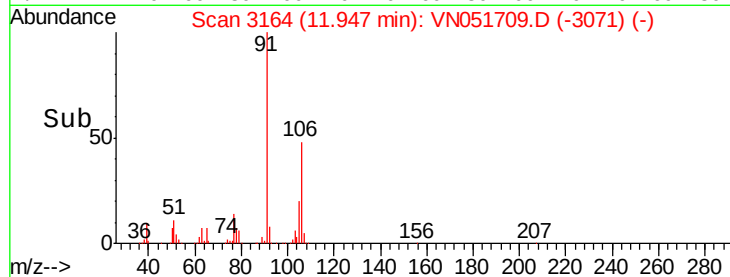
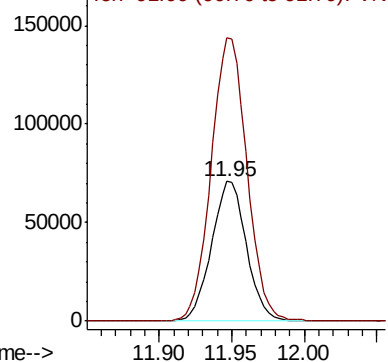


#69  
o-Xylene  
Concen: 8.500 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tot Ion:106 Resp: 118855  
Ion Ratio Lower Upper  
106 100  
91 207.6 104.4 313.2

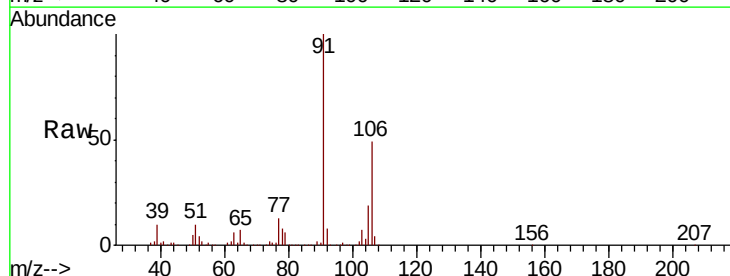


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

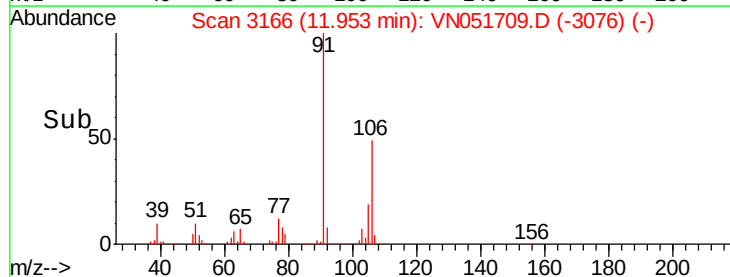
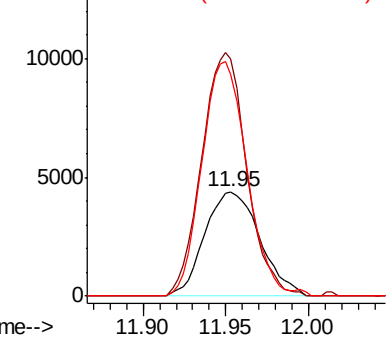


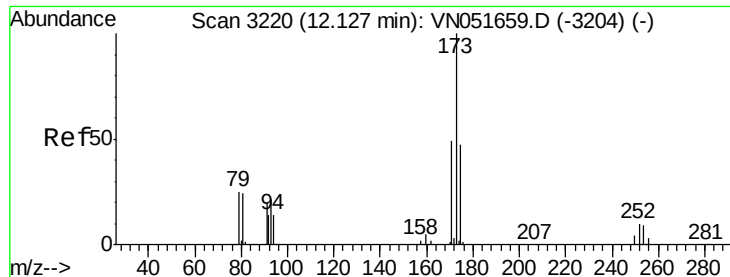
#70  
Styrene  
Concen: 0.458 ug/l  
RT: 11.95 min Scan# 3166  
Delta R.T. -0.01 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tgt Ion:104 Resp: 10194  
Ion Ratio Lower Upper  
104 100  
78 189.7 39.3 58.9#  
103 181.8 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.582 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

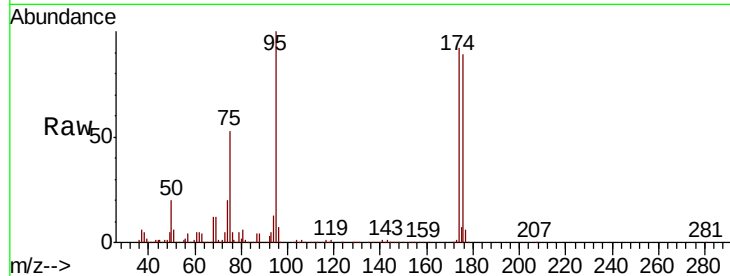
Tot Ion:173 Resp: 3576

Ion Ratio Lower Upper

173 100

175 647.1 24.0 72.0#

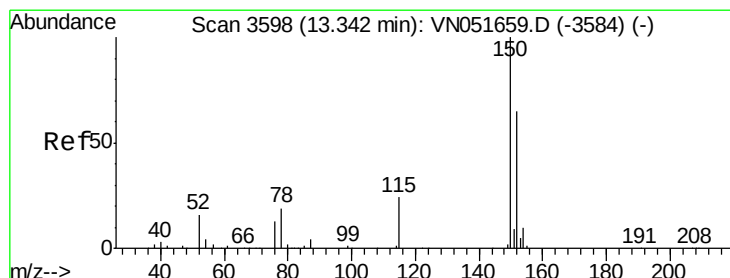
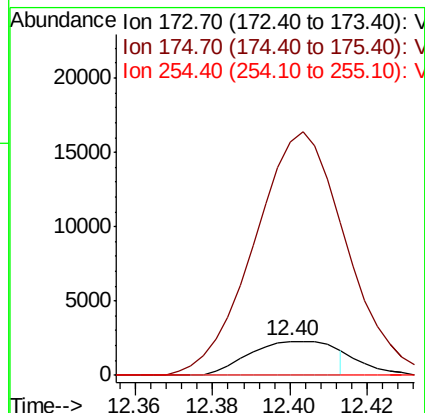
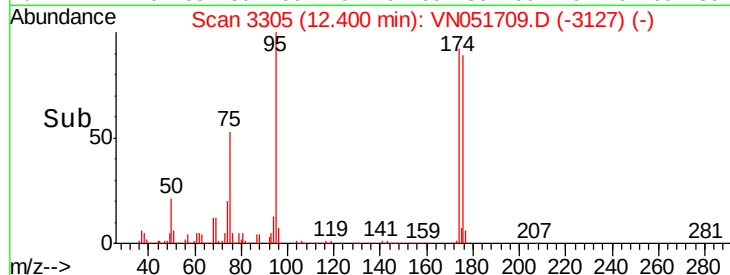
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

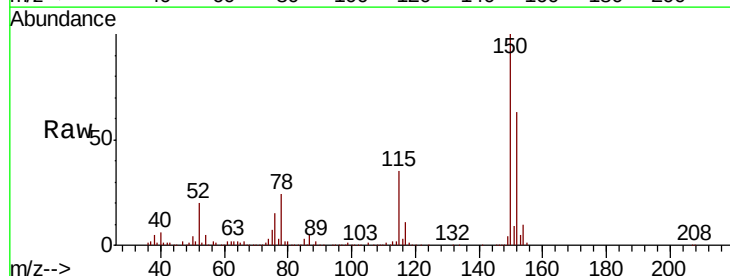
Tgt Ion:152 Resp: 331801

Ion Ratio Lower Upper

152 100

115 55.4 28.6 85.8

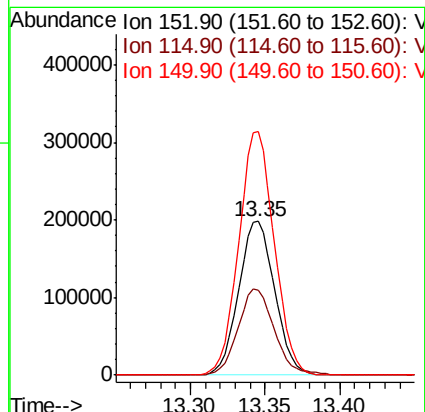
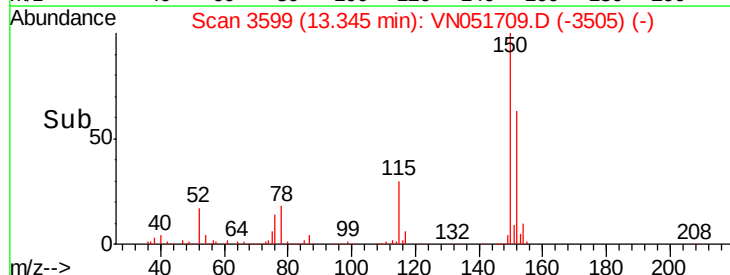
150 156.1 0.0 352.4

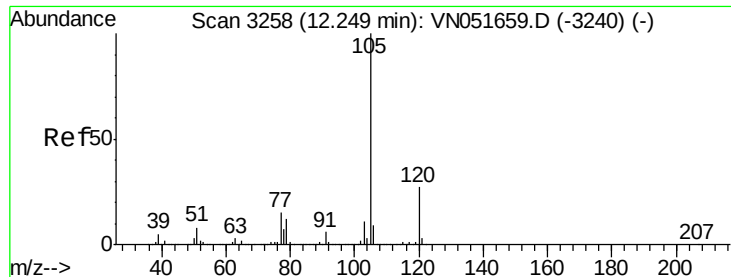


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

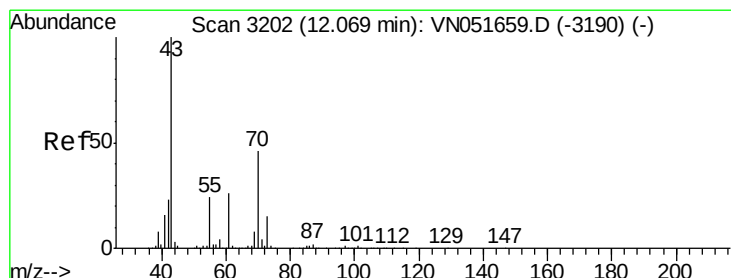
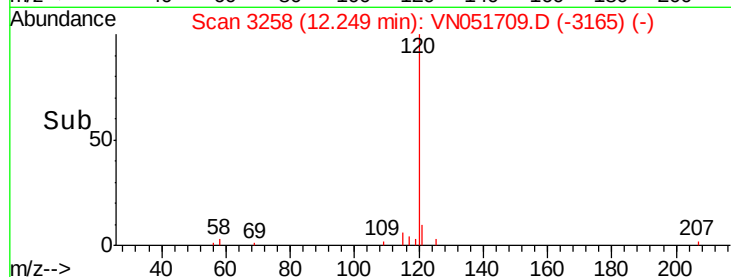
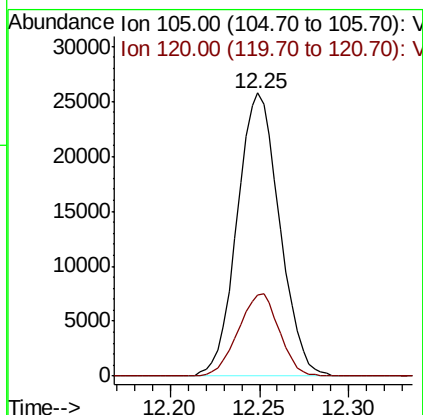
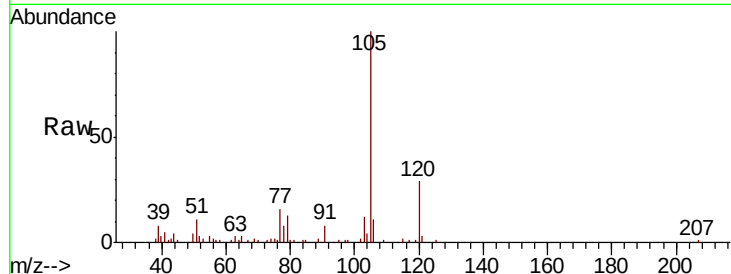
Ion 149.90 (149.60 to 150.60): V





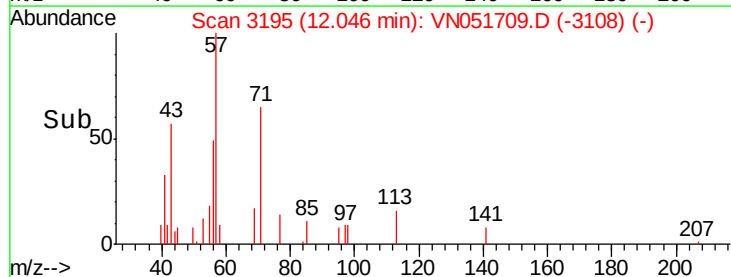
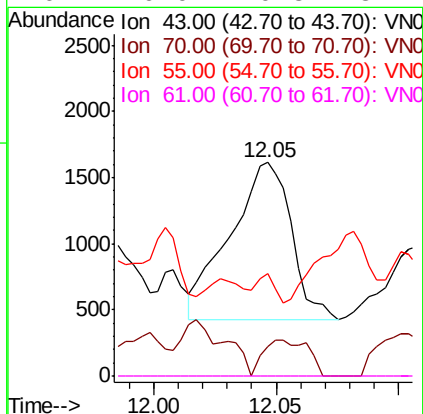
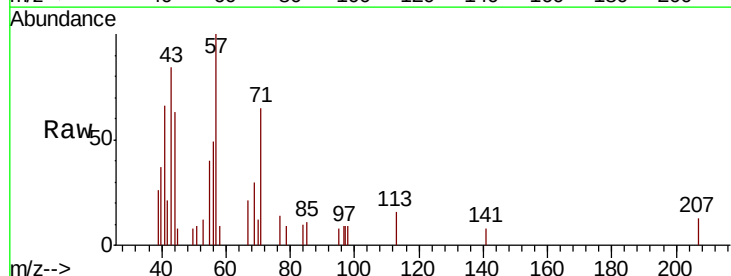
#73  
Isopropylbenzene  
Concen: 1.513 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

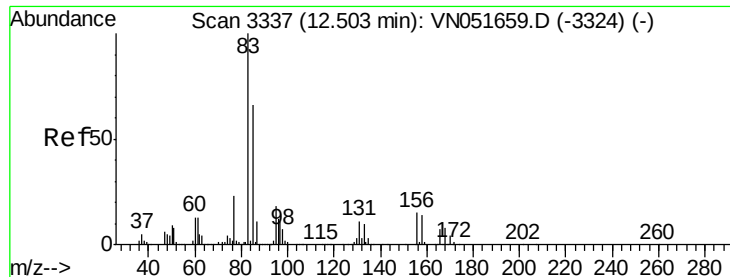
Tot Ion: 105 Resp: 42801  
Ion Ratio Lower Upper  
105 100  
120 28.1 13.9 41.6



#74  
N-ethyl acetate  
Concen: Below Cal  
RT: 12.05 min Scan# 3195  
Delta R.T. -0.02 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tgt Ion: 43 Resp: 2058  
Ion Ratio Lower Upper  
43 100  
70 16.9 37.1 55.7#  
55 0.0 19.1 28.7#  
61 0.0 20.8 31.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3333

Delta R.T. -0.01 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

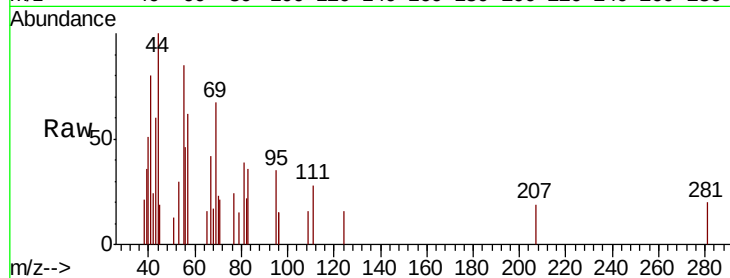
Tot Ion: 83 Resp: 511

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

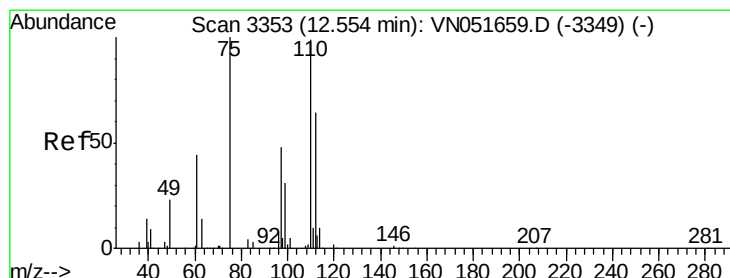
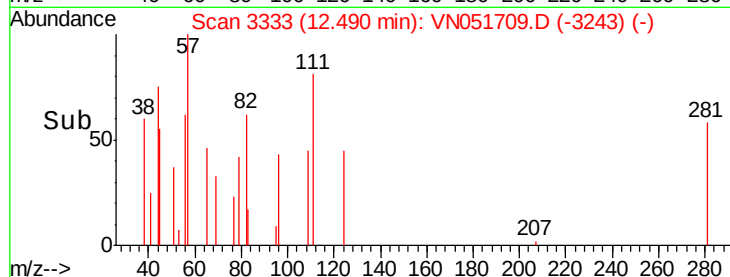
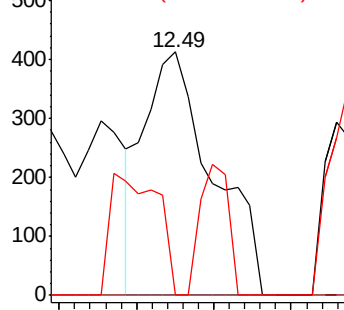
85 22.3 33.0 98.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 49.997 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051709.D

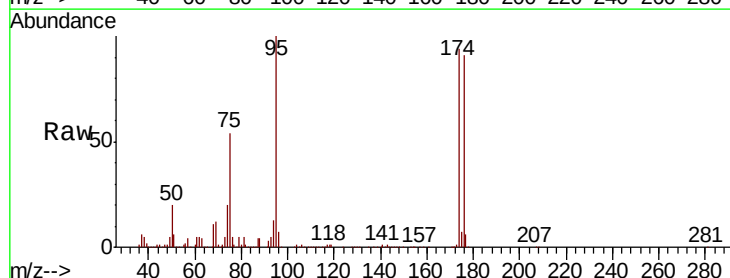
Acq: 6 Oct 2018 00:53

Tgt Ion: 75 Resp: 206127

Ion Ratio Lower Upper

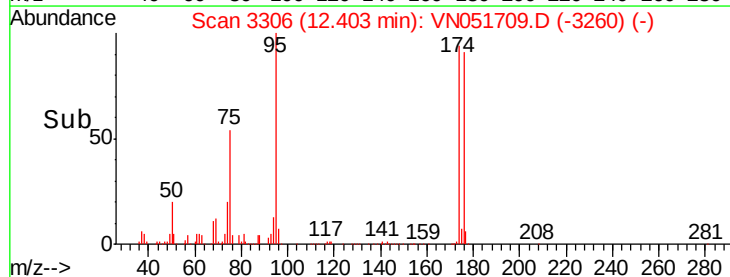
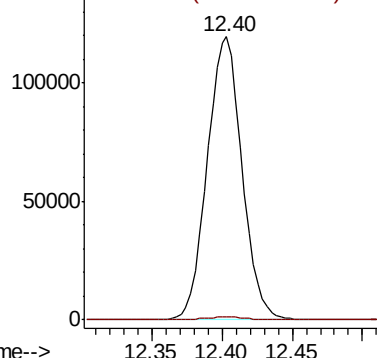
75 100

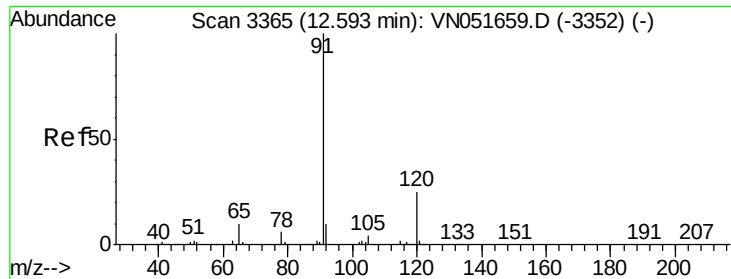
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 5.894 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051709.D

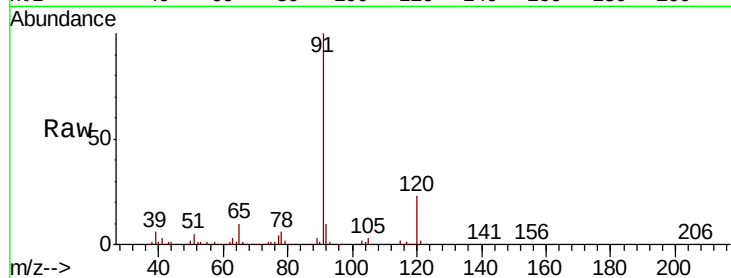
Acq: 6 Oct 2018 00:53

Tot Ion: 91 Resp: 181827

Ion Ratio Lower Upper

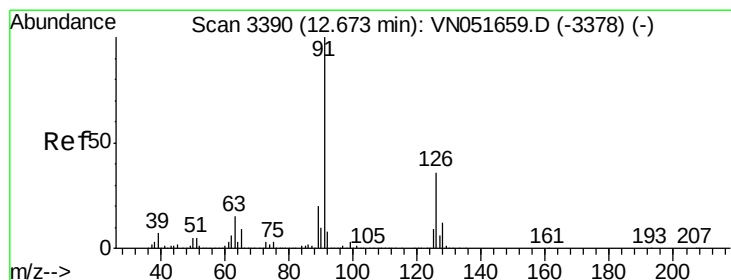
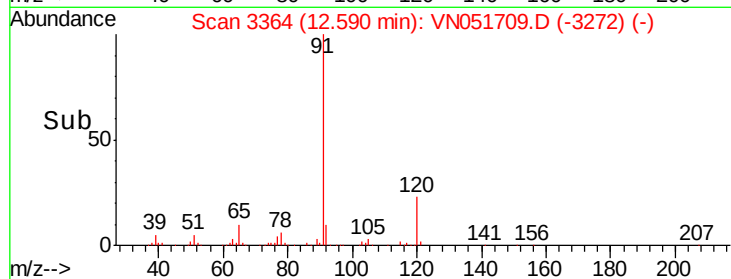
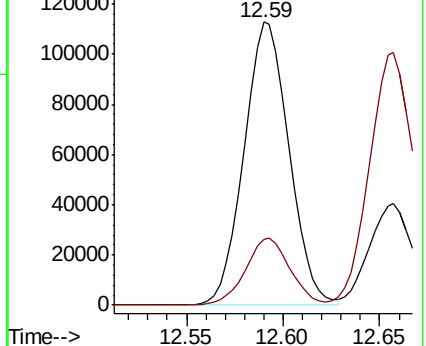
91 100

120 23.6 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 3.386 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN051709.D

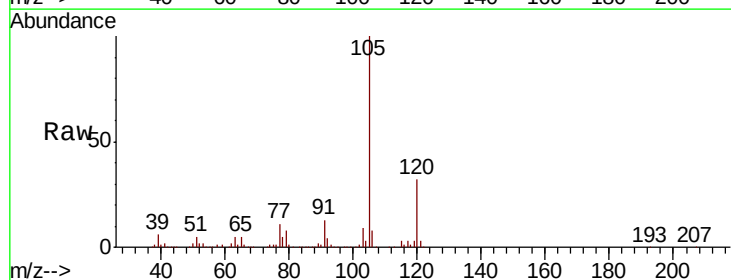
Acq: 6 Oct 2018 00:53

Tgt Ion: 91 Resp: 61558

Ion Ratio Lower Upper

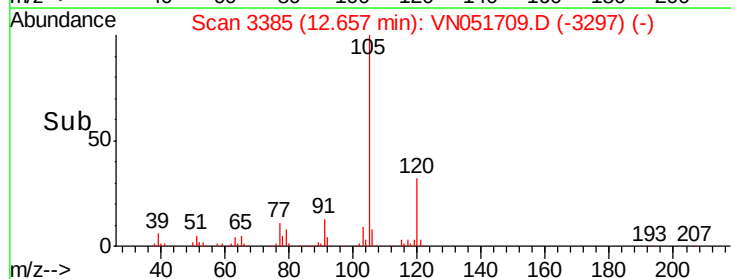
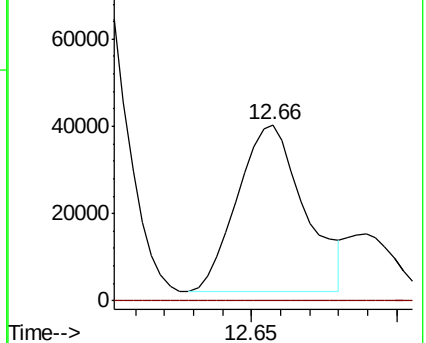
91 100

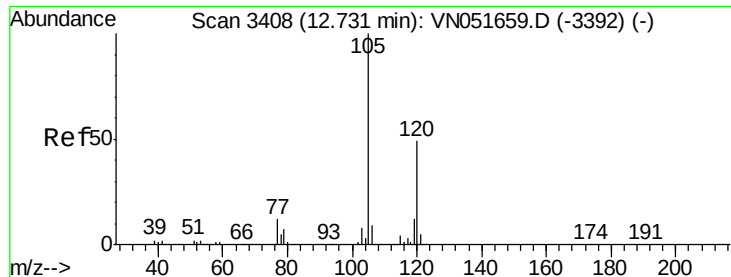
126 0.0 18.5 55.5#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 7.929 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051709.D

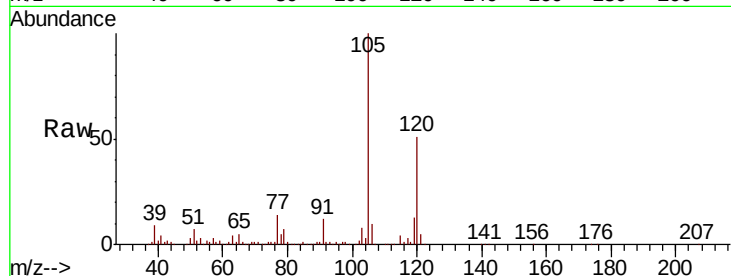
Acq: 6 Oct 2018 00:53

Tot Ion:105 Resp: 188994

Ion Ratio Lower Upper

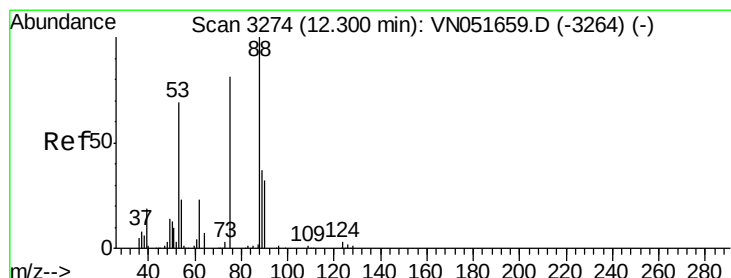
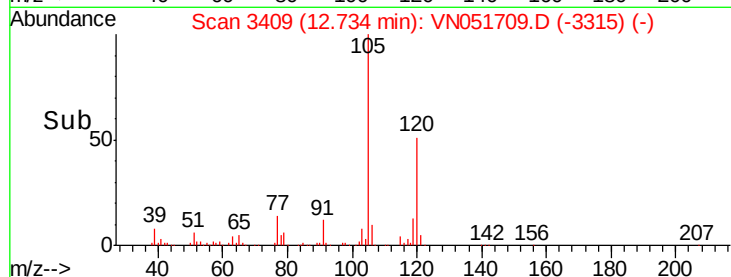
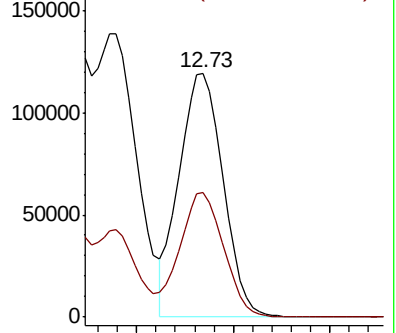
105 100

120 51.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 114.195 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

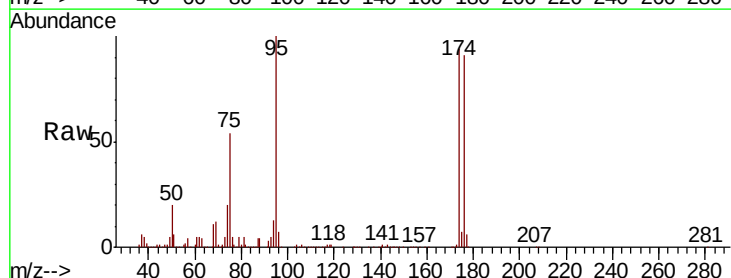
Tgt Ion: 75 Resp: 206127

Ion Ratio Lower Upper

75 100

53 0.3 68.6 102.8#

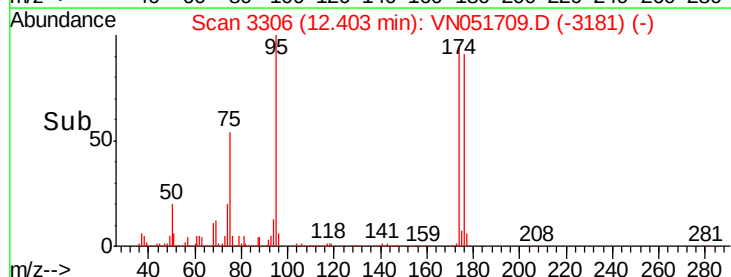
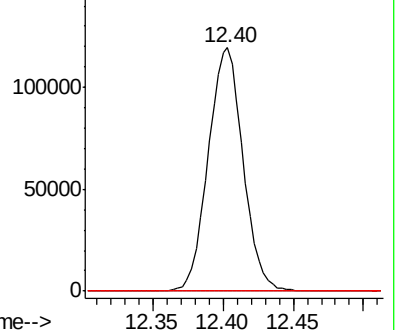
89 0.0 39.4 59.2#

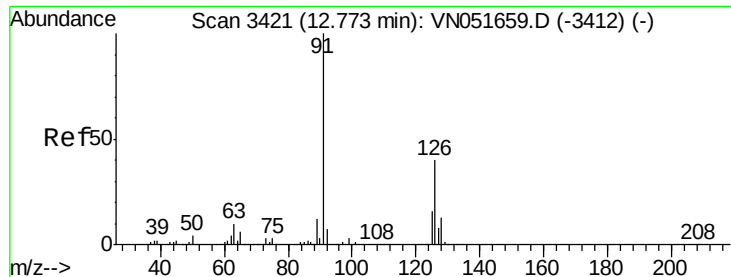


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#82

4-Chlorotoluene

Concen: 1.084 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN051709.D

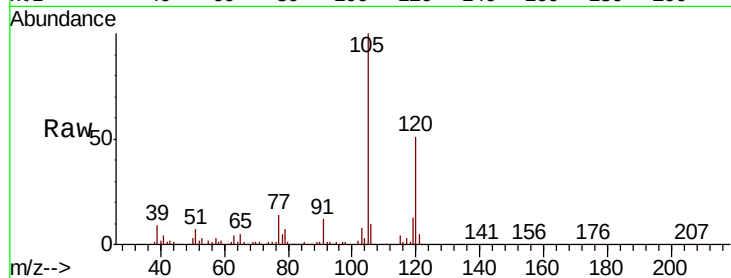
Acq: 6 Oct 2018 00:53

Tot Ion: 91 Resp: 19802

Ion Ratio Lower Upper

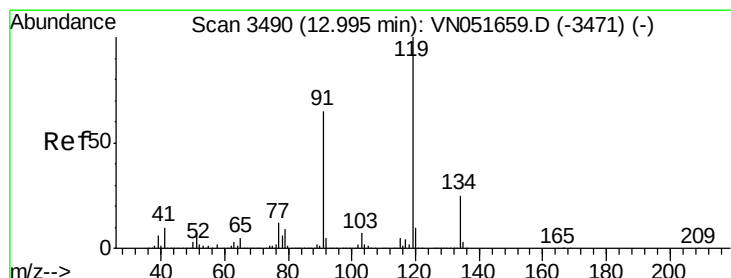
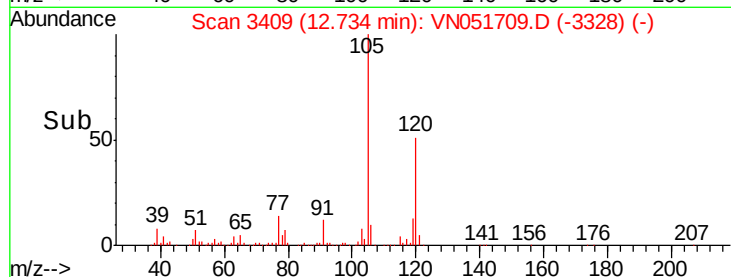
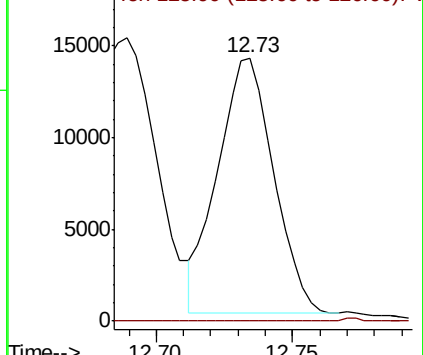
91 100

126 0.0 18.0 54.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 3.745 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN051709.D

Acq: 6 Oct 2018 00:53

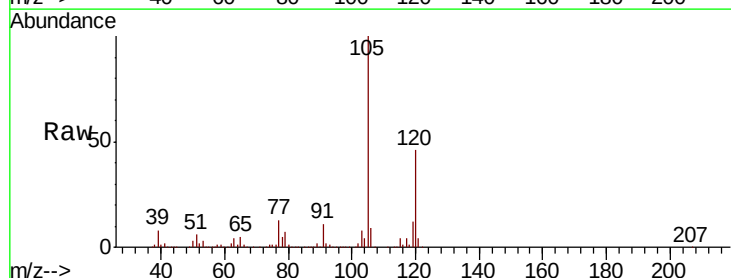
Tgt Ion: 119 Resp: 79981

Ion Ratio Lower Upper

119 100

91 85.5 32.1 96.5

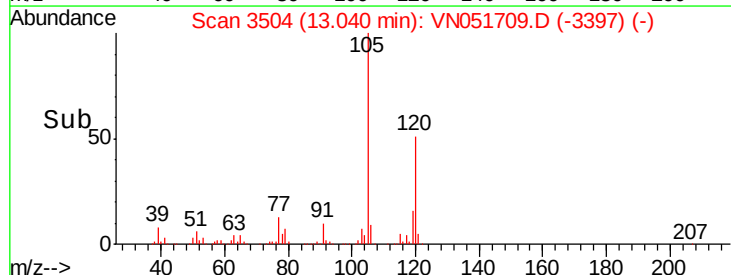
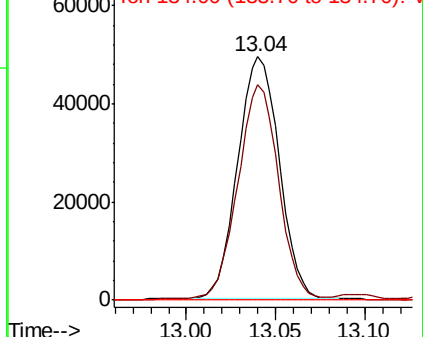
134 0.0 13.3 39.9#



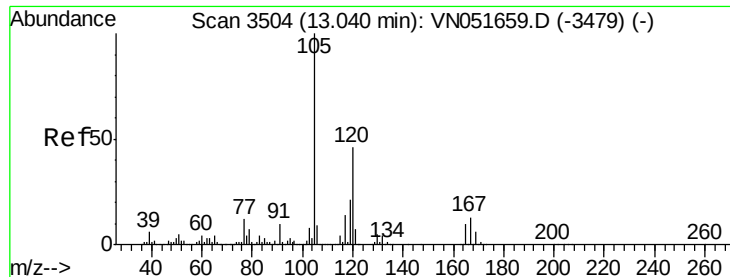
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V







#84

1,2,4-Trimethylbenzene

Concen: 27.125 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051709.D

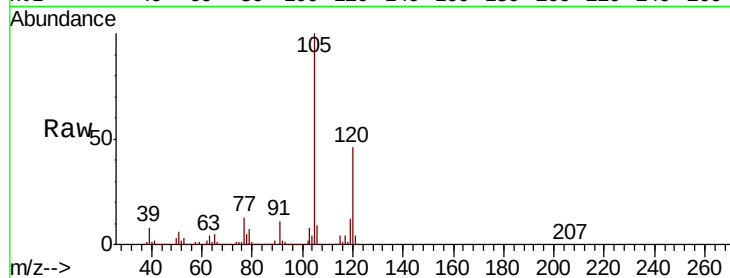
Acq: 6 Oct 2018 00:53

Tot Ion:105 Resp: 647622

Ion Ratio Lower Upper

105 100

120 46.4 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

400000

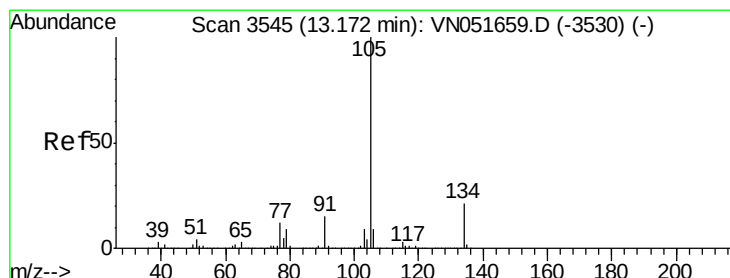
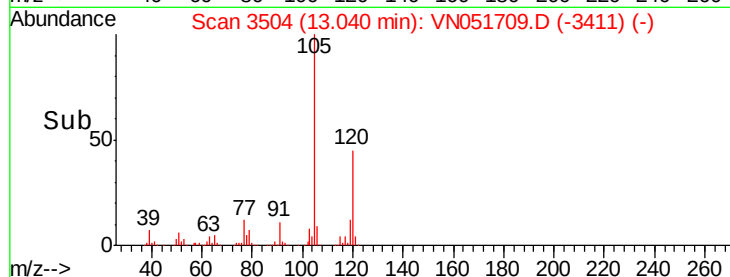
300000

200000

100000

0

Time--> 12.95 13.00 13.05 13.10



#85

sec-Butylbenzene

Concen: 0.742 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051709.D

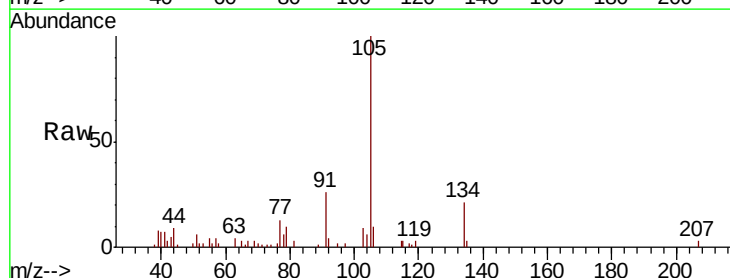
Acq: 6 Oct 2018 00:53

Tgt Ion:105 Resp: 20973

Ion Ratio Lower Upper

105 100

134 41.2 10.5 31.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

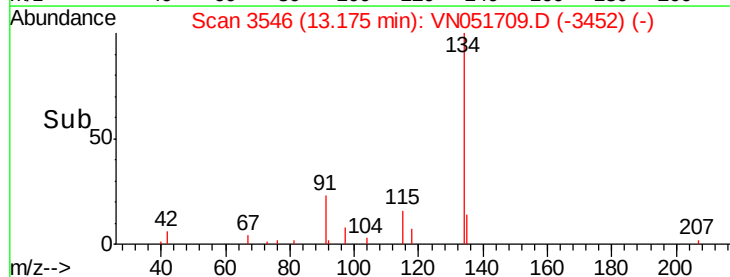
15000

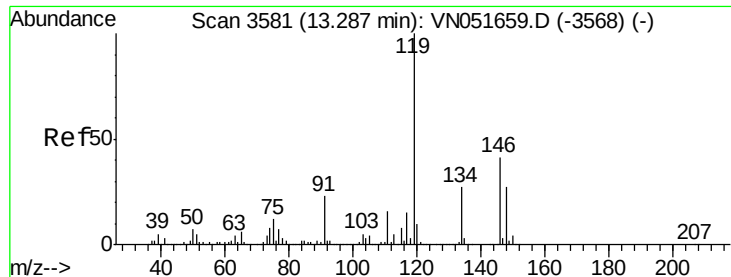
10000

5000

0

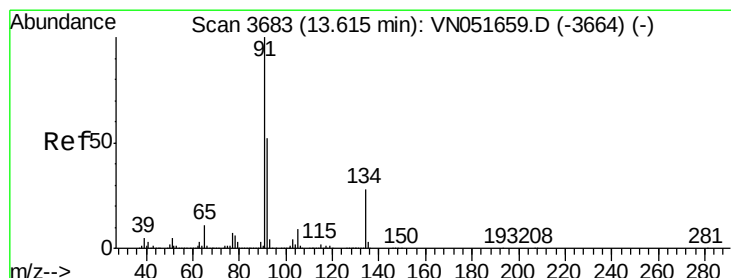
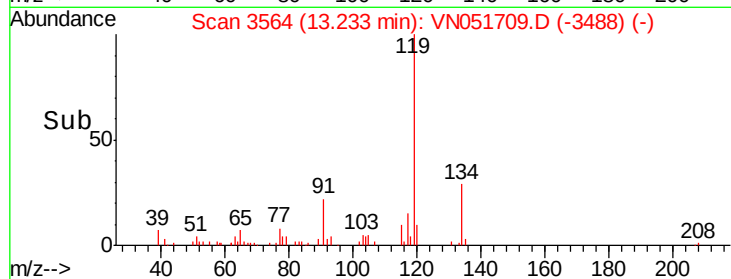
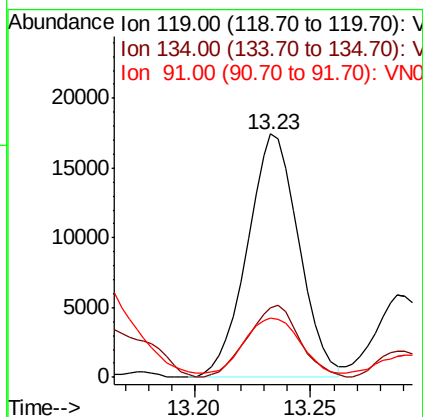
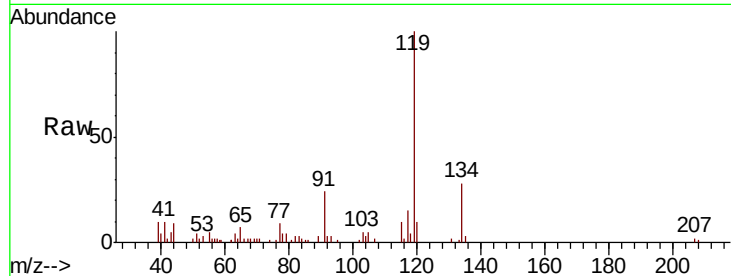
Time--> 13.10 13.15 13.20





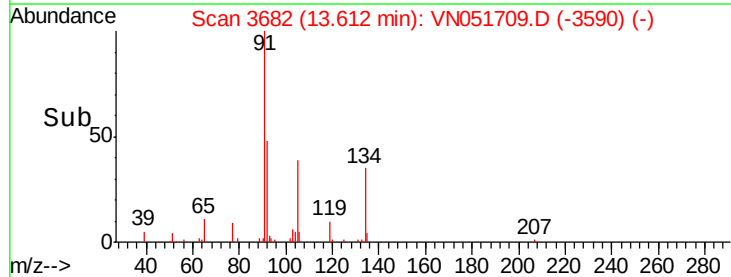
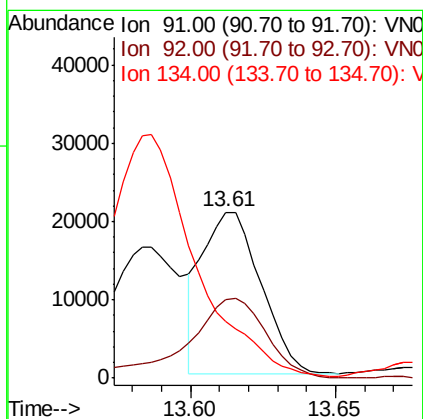
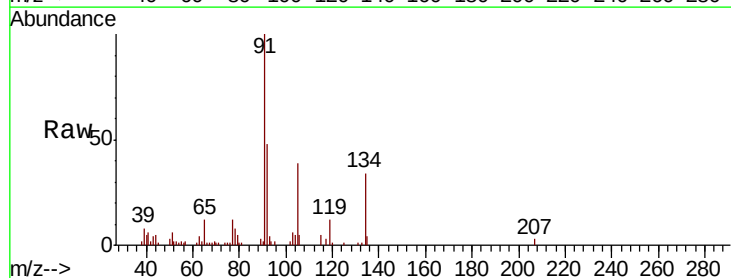
#86  
p-Isopropyltoluene  
Concen: 1.078 ug/l  
RT: 13.23 min Scan# 3564  
Delta R.T. -0.05 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

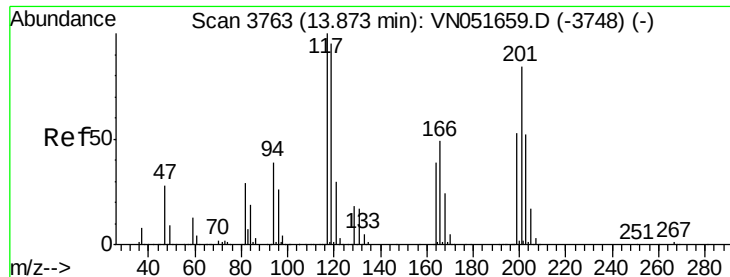
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 29.6  | 13.4  | 40.2  |
| 91      | 23.7  | 11.7  | 35.1  |



#89  
n-Butylbenzene  
Concen: 1.451 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

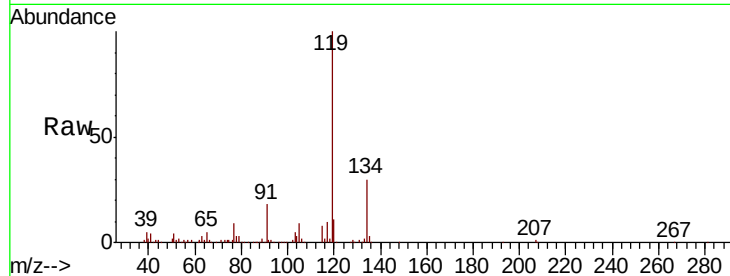
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 66.9  | 26.0  | 78.0  |
| 134     | 0.0   | 14.2  | 42.6  |



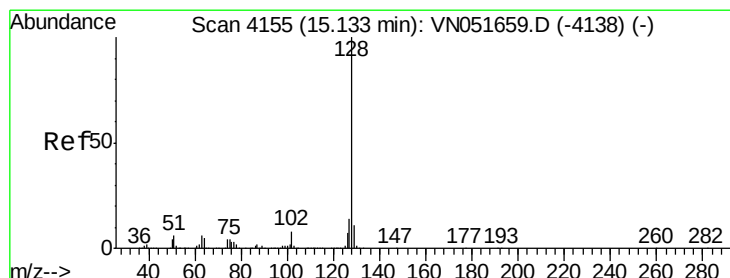
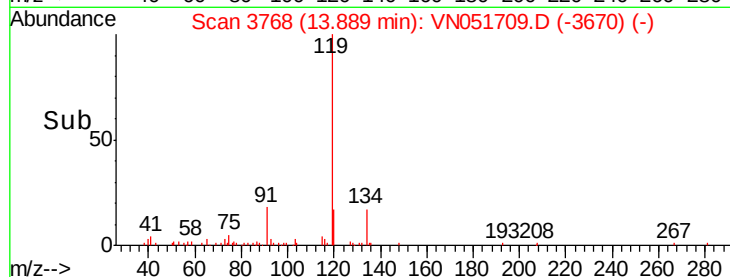
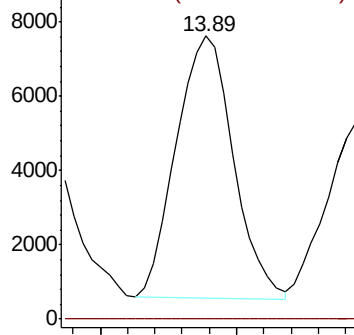


#90  
Hexachloroethane  
Concen: 2.054 ug/l  
RT: 13.89 min Scan# 3768  
Delta R.T. 0.02 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tot Ion:117 Resp: 10266  
Ion Ratio Lower Upper  
117 100  
201 0.0 42.4 127.3#

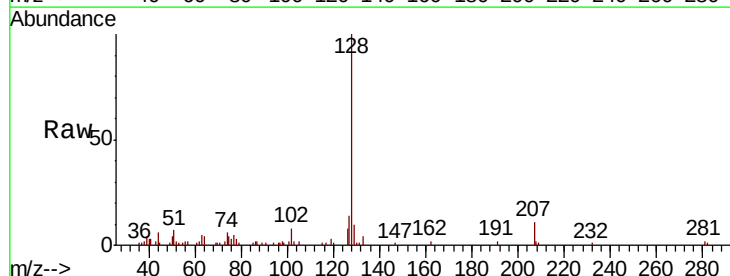


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V



#95  
Naphthalene  
Concen: 3.623 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN051709.D  
Acq: 6 Oct 2018 00:53

Tgt Ion:128 Resp: 41709  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.6 15.8  
129 10.7 9.0 13.6



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

