

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052019\  
 Data File : VN055671.D  
 Acq On : 20 May 2019 14:03  
 Operator : JC/SP  
 Sample : K2647-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 21 04:35:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 23:54:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 431007   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 608440   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 510212   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 191988   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 198382   | 41.99 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 83.98% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 185261   | 47.93 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.86% |      |
| 50) Toluene-d8            | 10.09  | 98  | 698045   | 47.76 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.52% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 217770   | 43.15 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 86.30% |      |

## Target Compounds

|                                |       |     |        |           | Qvalue |     |
|--------------------------------|-------|-----|--------|-----------|--------|-----|
| 14) Allyl chloride             | 4.55  | 41  | 9196   | 1.447     | ug/l # | 26  |
| 16) Acetone                    | 3.82  | 43  | 22409  | 11.622    | ug/l   | 97  |
| 18) Methyl Acetate             | 4.33  | 43  | 3576   | 0.865     | ug/l # | 68  |
| 20) Methylene Chloride         | 4.55  | 84  | 285453 | 64.872    | ug/l   | 97  |
| 25) 2-Butanone                 | 6.85  | 43  | 2226   | 0.826     | ug/l   | 91  |
| 29) Tetrahydrofuran            | 7.22  | 42  | 1008   | 0.564     | ug/l # | 57  |
| 30) Chloroform                 | 7.38  | 83  | 3070   | 0.405     | ug/l   | 98  |
| 31) Cyclohexane                | 7.67  | 56  | 5885   | 0.840     | ug/l # | 1   |
| 36) 1,1-Dichloropropene        | 7.67  | 75  | 24837  | 4.579     | ug/l # | 49  |
| 38) Carbon Tetrachloride       | 7.67  | 117 | 34623  | 5.973     | ug/l # | 15  |
| 43) Isopropyl Acetate          | 8.17  | 43  | 15152  | 1.779     | ug/l # | 88  |
| 45) 1,2-Dichloropropane        | 9.26  | 63  | 1422   | 0.338     | ug/l # | 43  |
| 48) Methyl methacrylate        | 9.18  | 41  | 7393   | 1.943     | ug/l # | 11  |
| 49) 1,4-Dioxane                | 9.27  | 88  | 30     | 0.397     | ug/l # | 1   |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43  | 4149   | 0.831     | ug/l   | 98  |
| 52) Toluene                    | 10.15 | 92  | 3032   | 0.303     | ug/l   | 94  |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75  | 56622  | 8.329     | ug/l # | 56  |
| 57) 1,3-Dichloropropane        | 10.76 | 76  | 10834  | 1.660     | ug/l # | 42  |
| 59) 2-Hexanone                 | 10.76 | 43  | 133897 | 38.077    | ug/l # | 51  |
| 67) Ethyl Benzene              | 11.51 | 91  | 41074  | 2.234     | ug/l   | 99  |
| 68) m/p-Xylenes                | 11.62 | 106 | 69957  | 10.077    | ug/l   | 99  |
| 69) o-Xylene                   | 11.95 | 106 | 33139  | 4.880     | ug/l   | 98  |
| 70) Styrene                    | 11.96 | 104 | 3749   | 0.332     | ug/l # | 1   |
| 71) Bromoform                  | 12.40 | 173 | 1602   | 0.455     | ug/l # | 1   |
| 73) Isopropylbenzene           | 12.25 | 105 | 2322   | Below Cal |        | 87  |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75  | 98921  | 25.251    | ug/l # | 100 |
| 77) Bromobenzene               | 12.52 | 156 | 3688   | 0.935     | ug/l # | 1   |
| 78) n-propylbenzene            | 12.59 | 91  | 11058  | 0.649     | ug/l   | 99  |
| 79) 2-Chlorotoluene            | 12.65 | 91  | 6969   | Below Cal | #      | 39  |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105 | 46222  | 2.059     | ug/l   | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75  | 98921  | 64.909    | ug/l # | 17  |
| 82) 4-Chlorotoluene            | 12.73 | 91  | 3974   | 0.396     | ug/l # | 40  |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105 | 219167 | 17.953    | ug/l   | 100 |
| 85) sec-Butylbenzene           | 13.04 | 105 | 219167 | 15.605    | ug/l # | 56  |

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Sample : K2647-10  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 14 Sample Multiplier: 1

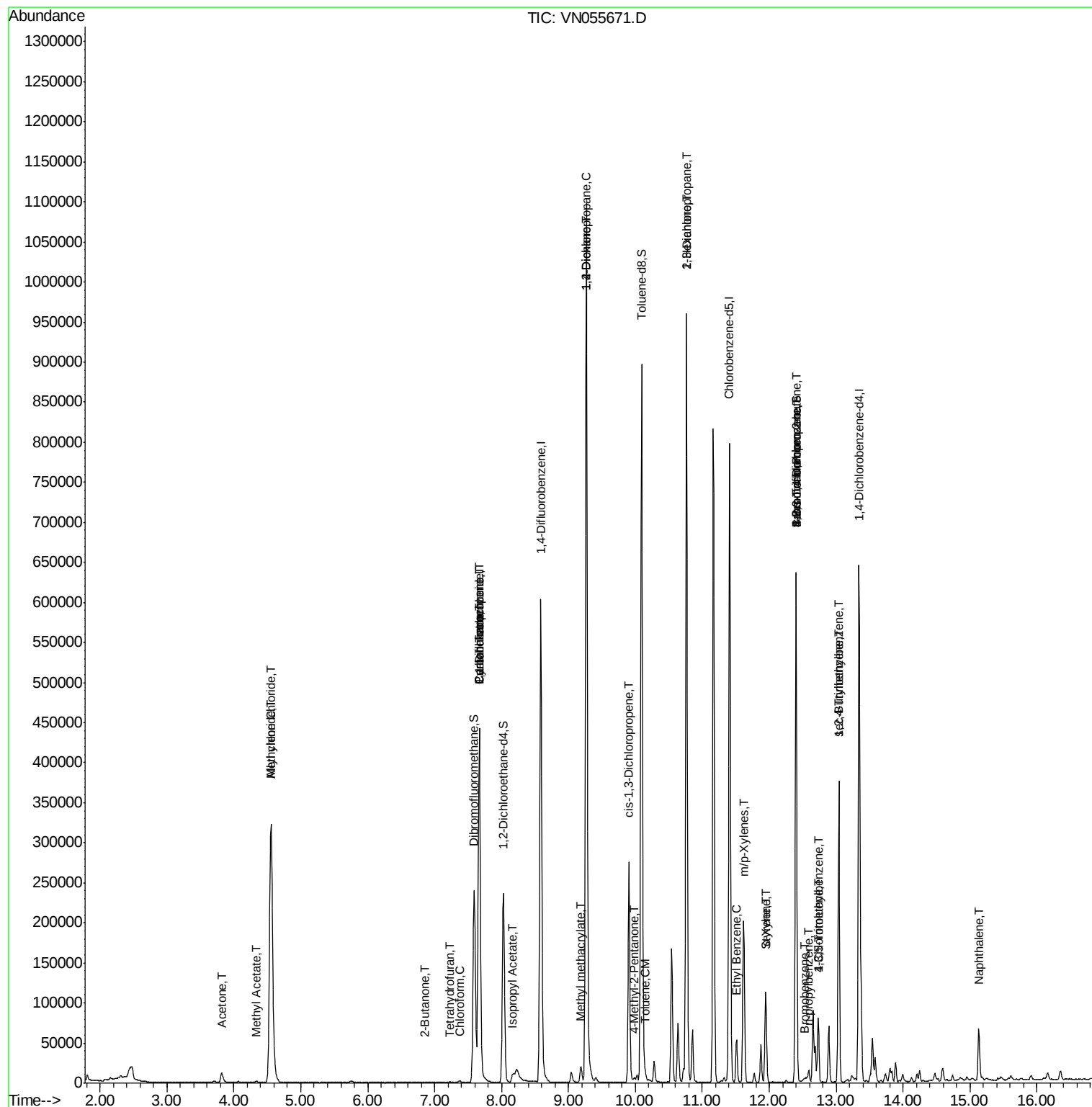
Quant Time: May 21 04:35:49 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 17 23:54:12 2019  
Response via : Initial Calibration

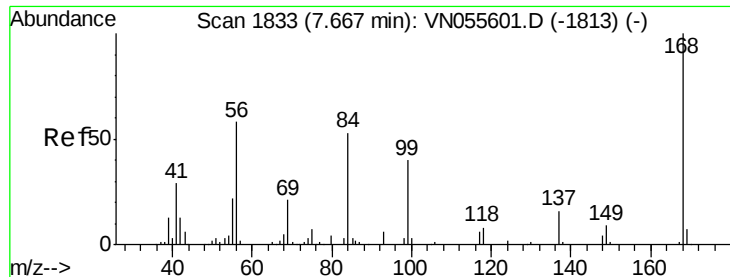
| Internal Standards     | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|------------------------|-------|------|----------|-----------|-------|----------|
| 86) p-Isopropyltoluene | 13.23 | 119  | 4283     | Below Cal |       | 91       |
| 90) Hexachloroethane   | 13.89 | 117  | 1426     | Below Cal | #     | 3        |
| 95) Naphthalene        | 15.13 | 128  | 60288    | 7.590     | uq/l  | 99       |

(#) = 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: VN055671.D

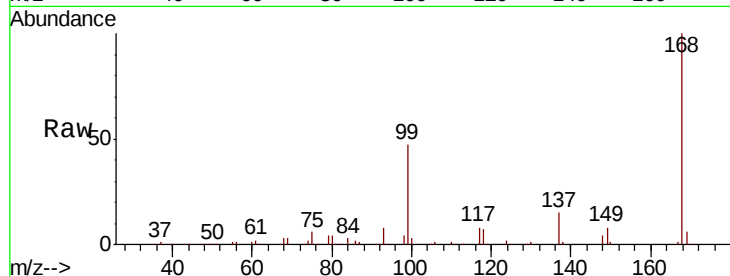
Acq: 20 May 2019 14:03

Tot Ion:168 Resp: 431007

Ion Ratio Lower Upper

168 100

99 46.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055671.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055671.D (-1740) (-)

7.67

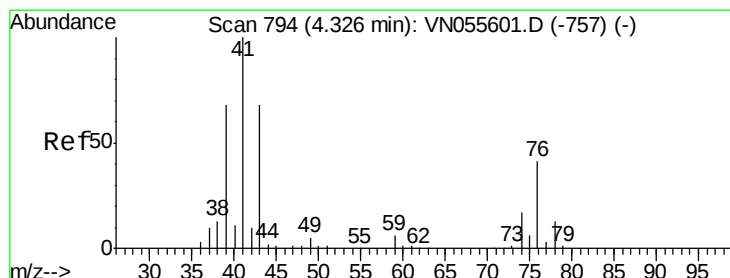
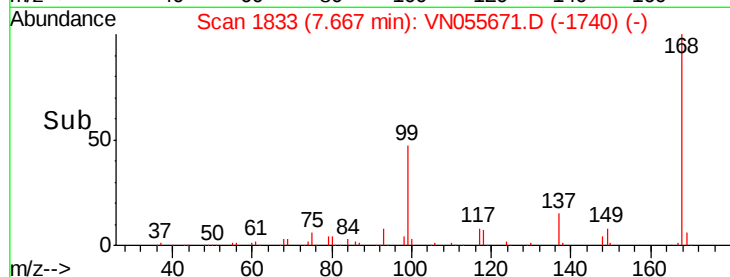
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#14

Allyl chloride

Concen: 1.447 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.23 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

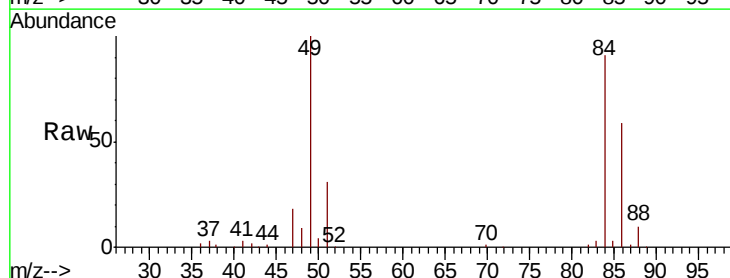
Tgt Ion: 41 Resp: 9196

Ion Ratio Lower Upper

41 100

39 0.0 50.5 75.7#

76 0.0 29.2 43.8#



Abundance Ion 41.00 (40.70 to 41.70): VN055671.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN055671.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN055671.D (-701) (-)

4.55

4000

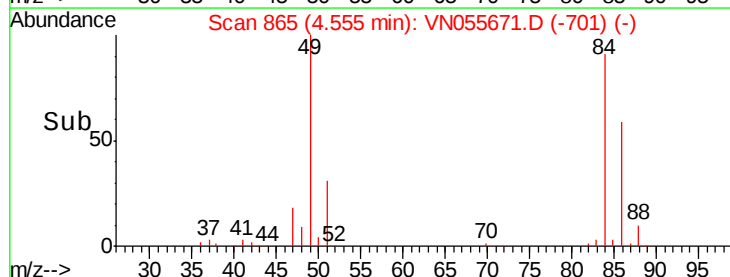
3000

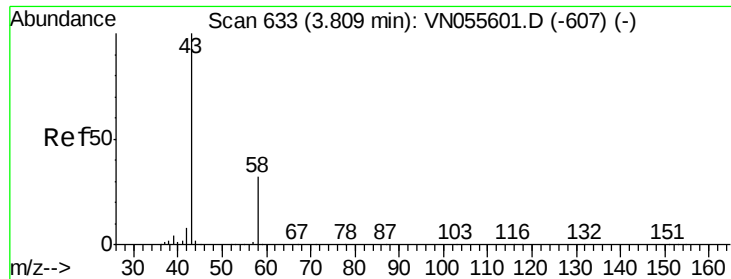
2000

1000

0

Time--> 4.45 4.50 4.55 4.60 4.65





#16

Acetone

Concen: 11.622 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN055671.D

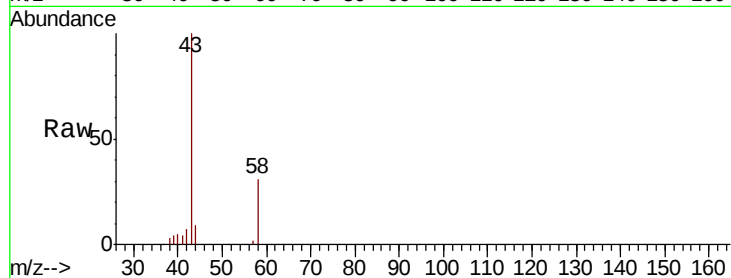
Acq: 20 May 2019 14:03

Tot Ion: 43 Resp: 22409

Ion Ratio Lower Upper

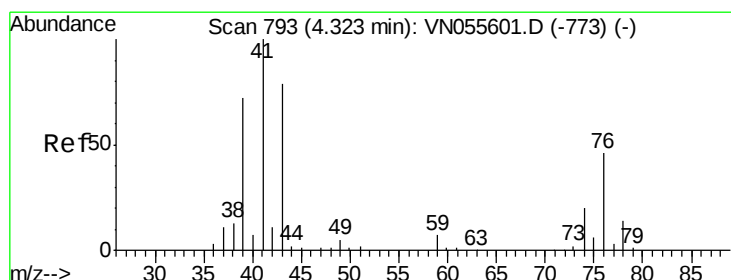
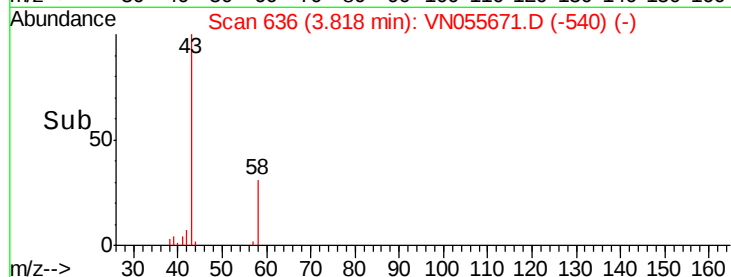
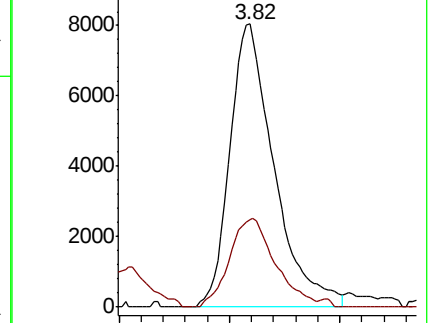
43 100

58 31.1 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN055671.D (-607) (-)

Ion 58.00 (57.70 to 58.70): VN055671.D (-607) (-)



#18

Methyl Acetate

Concen: 0.865 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055671.D

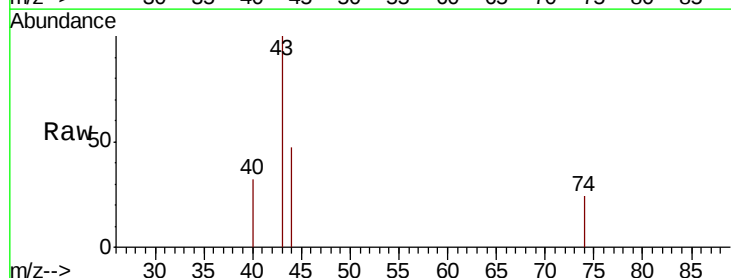
Acq: 20 May 2019 14:03

Tgt Ion: 43 Resp: 3576

Ion Ratio Lower Upper

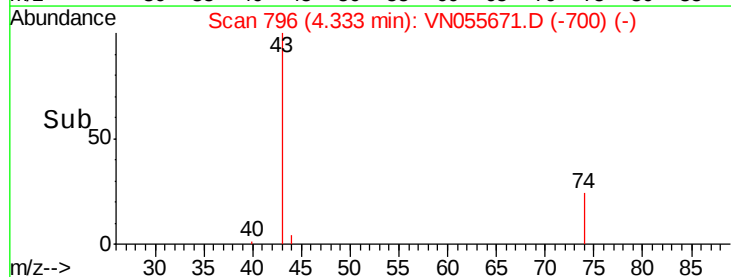
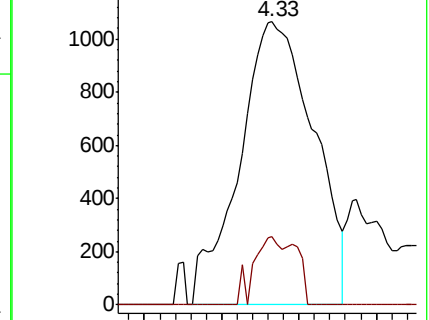
43 100

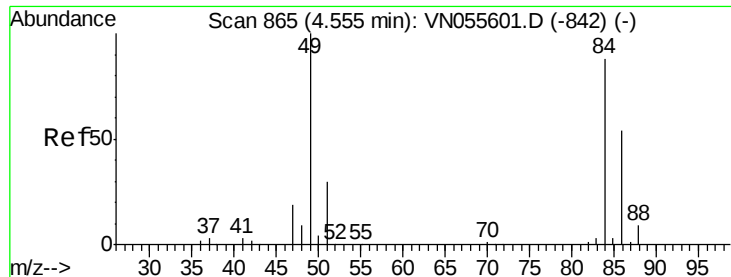
74 8.9 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VN055671.D (-773) (-)

Ion 74.00 (73.70 to 74.70): VN055671.D (-773) (-)

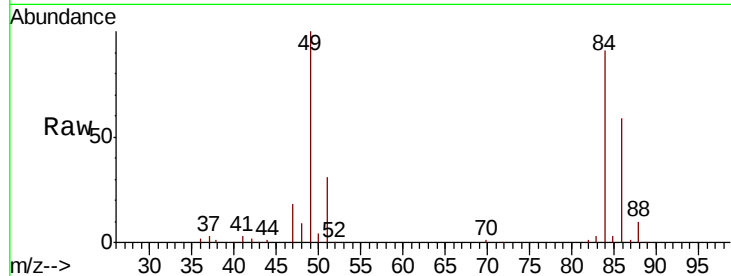




#20  
Methvlene Chloride  
Concen: 64.872 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tot Ion: 84 Resp: 285453

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 109.4 | 91.0  | 136.4 |
| 51  | 33.6  | 27.5  | 41.3  |
| 86  | 64.4  | 49.4  | 74.0  |



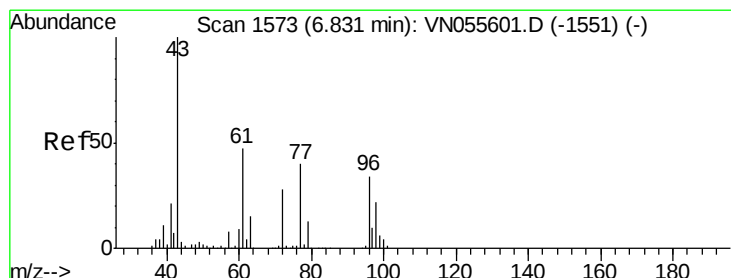
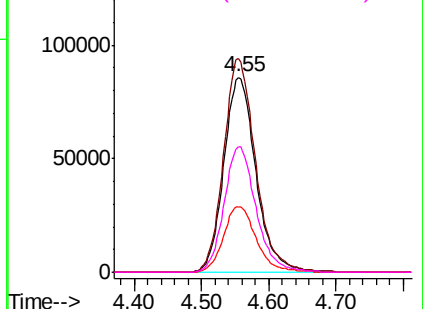
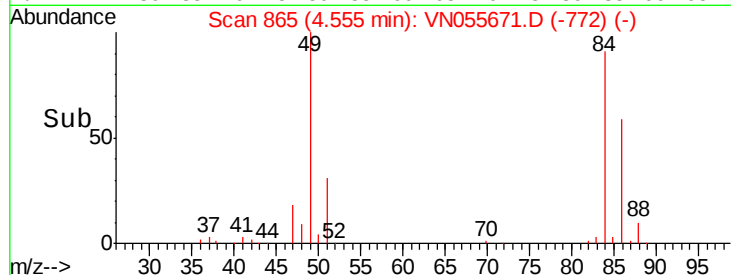
Abundance

Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

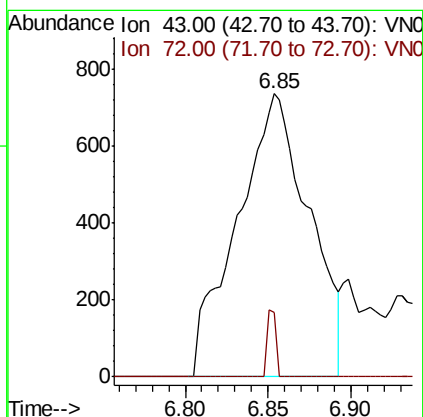
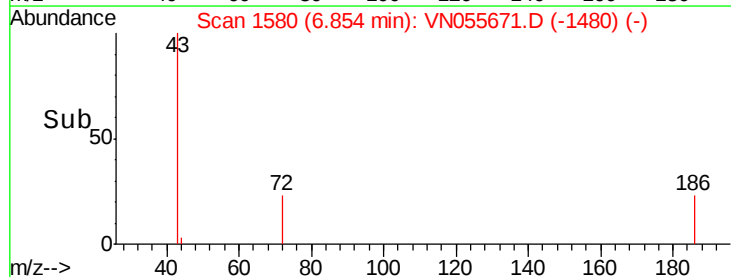
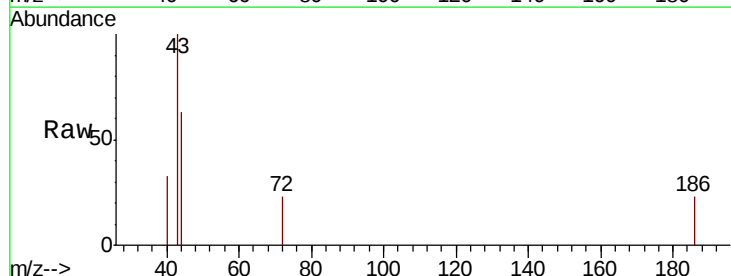
Ion 85.90 (85.60 to 86.60): VNC

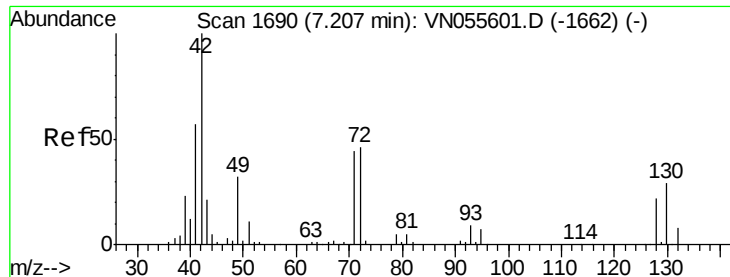


#25  
2-Butanone  
Concen: 0.826 ug/l  
RT: 6.85 min Scan# 1580  
Delta R.T. 0.02 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tgt Ion: 43 Resp: 2226

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 22.9  | 22.3  | 33.5  |





#29

Tetrahydrofuran

Concen: 0.564 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.02 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

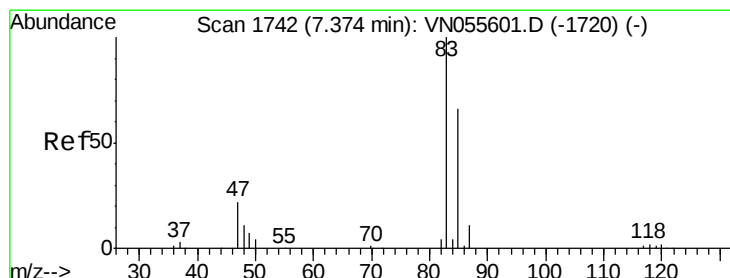
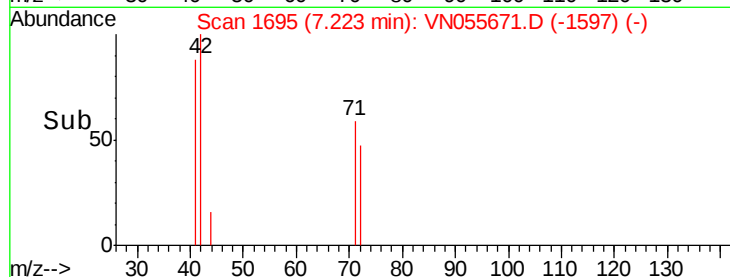
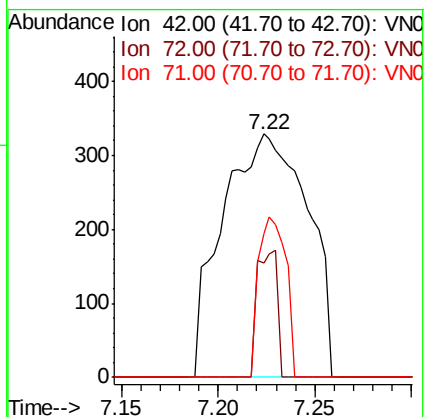
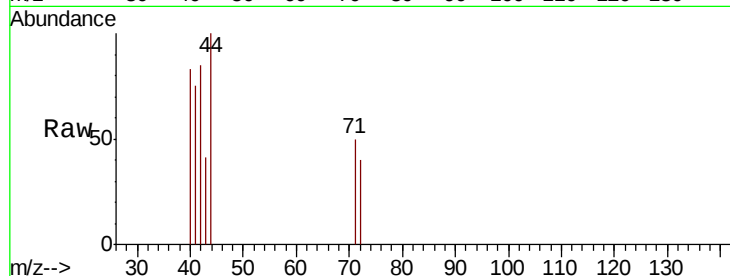
Tot Ion: 42 Resp: 1008

Ion Ratio Lower Upper

42 100

72 12.5 36.5 54.7#

71 21.2 34.9 52.3#



#30

Chloroform

Concen: 0.405 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN055671.D

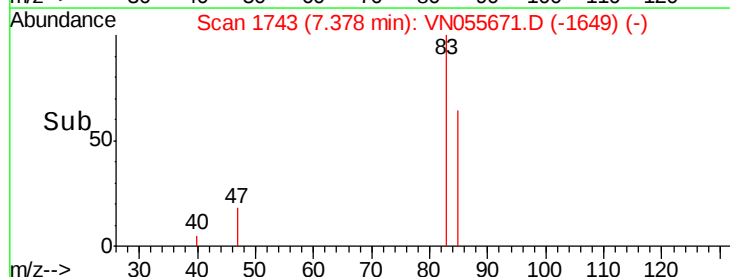
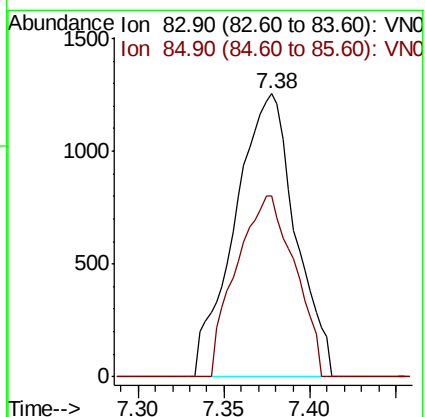
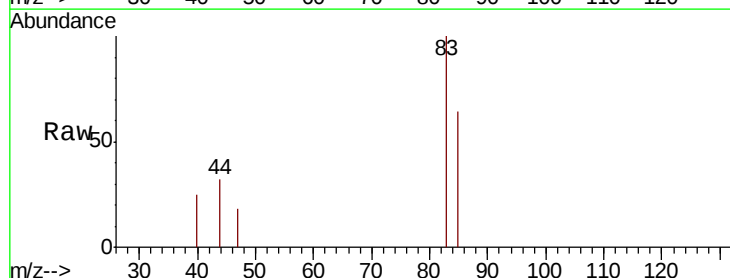
Acq: 20 May 2019 14:03

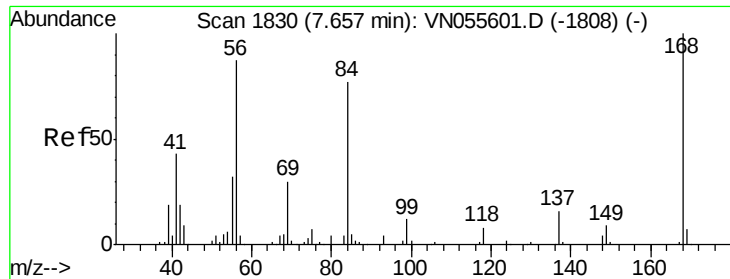
Tgt Ion: 83 Resp: 3070

Ion Ratio Lower Upper

83 100

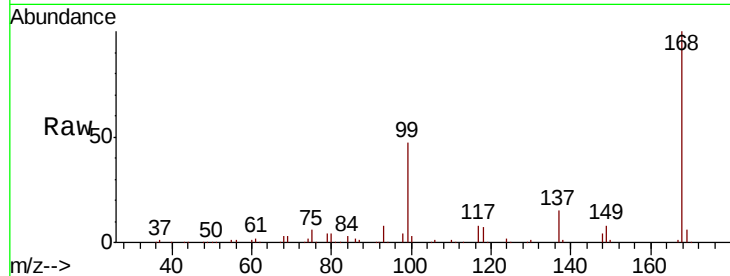
85 64.0 52.6 78.8



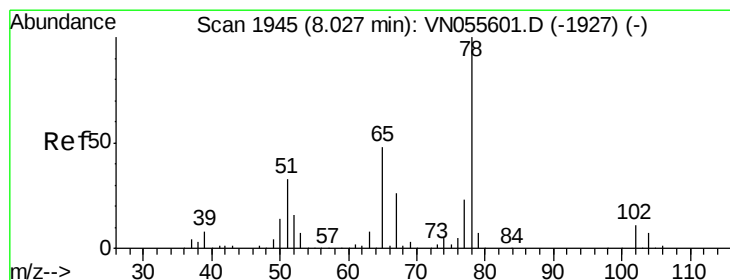
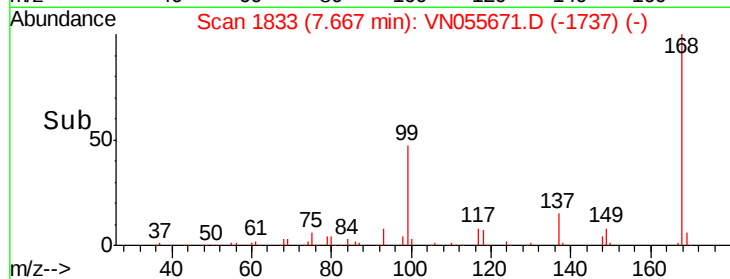
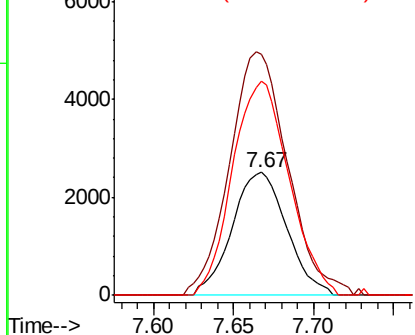


#31  
Cyclohexane  
Concen: 0.840 ug/l  
RT: 7.67 min Scan# 1833  
Delta R.T. 0.01 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tot Ion: 56 Resp: 5885  
Ion Ratio Lower Upper  
56 100  
69 189.2 27.2 40.8#  
84 174.6 71.3 106.9#

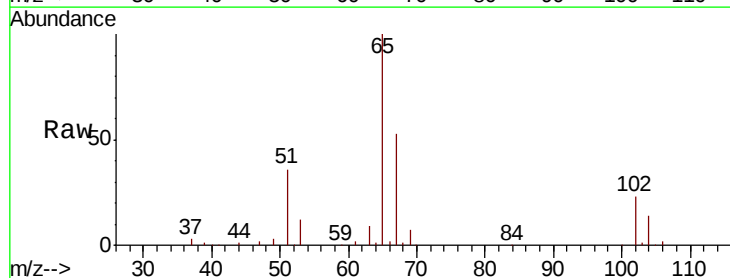


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

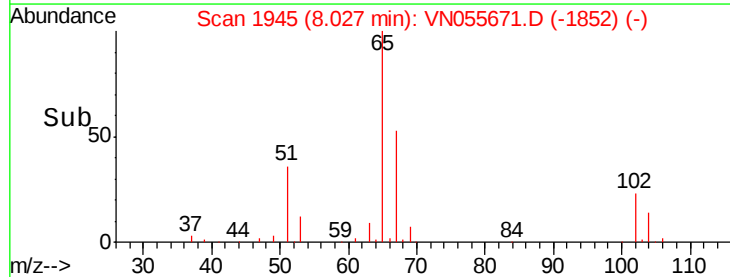
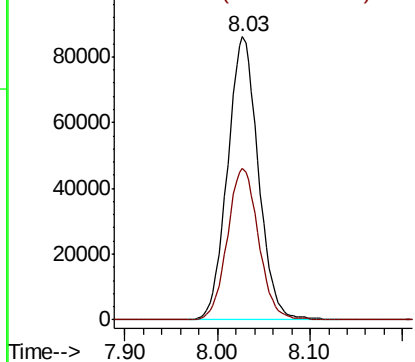


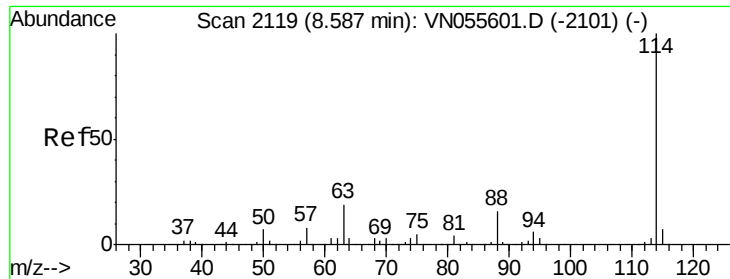
#33  
1,2-Dichloroethane-d4  
Concen: 41.988 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tgt Ion: 65 Resp: 198382  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 108.6



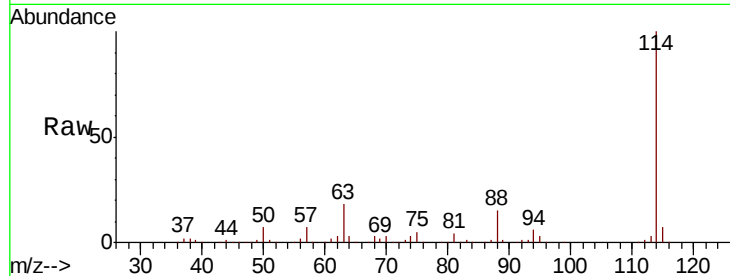
Abundance Ion 64.90 (64.60 to 65.60): VN0  
Ion 66.90 (66.60 to 67.60): VN0



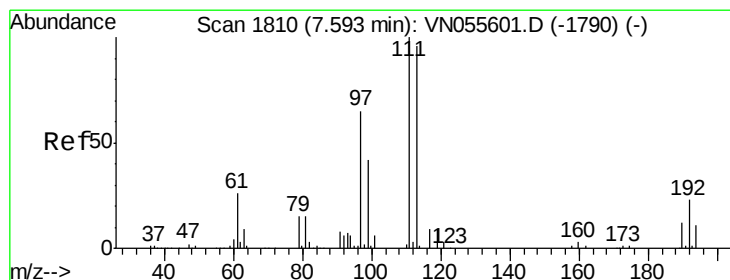
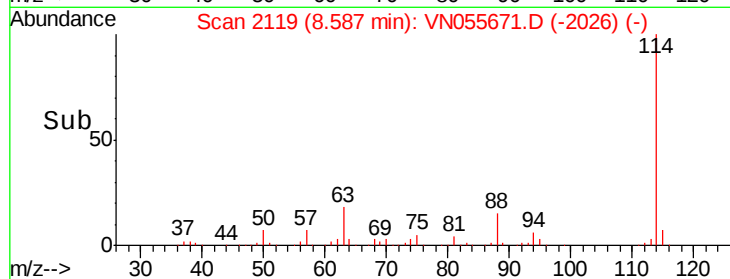
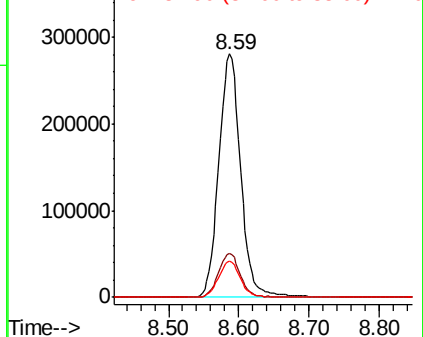


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055671.D  
 Acq: 20 May 2019 14:03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.0  | 0.0   | 38.2  |
| 88      | 14.9  | 0.0   | 31.0  |

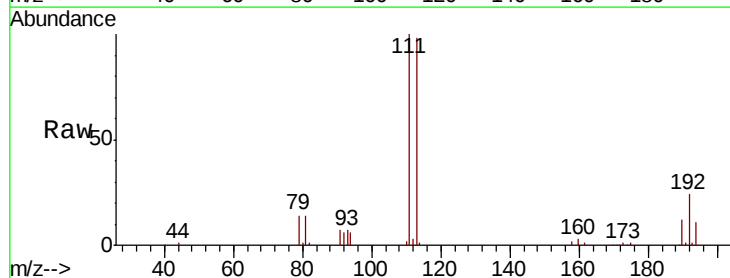


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

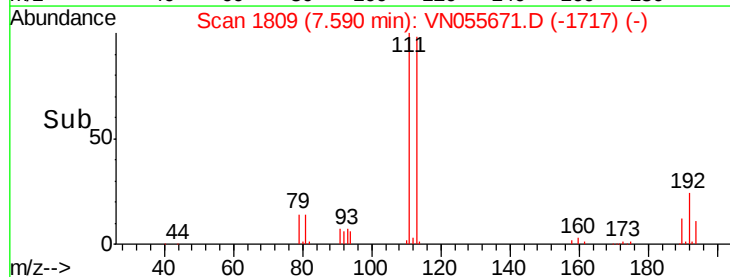
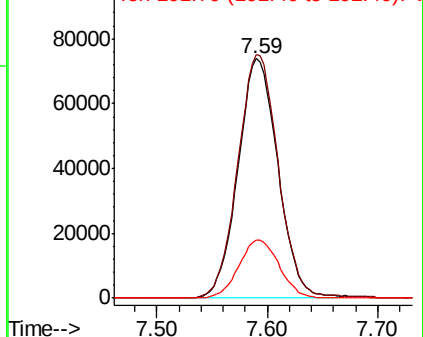


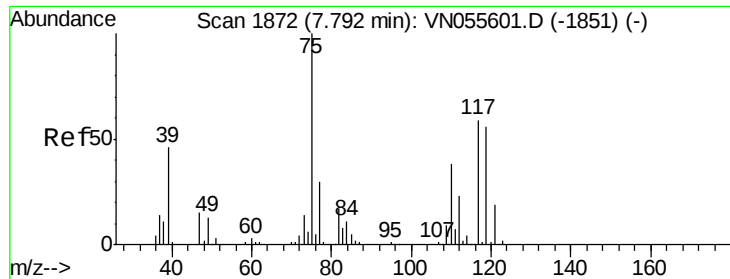
#35  
 Dibromofluoromethane  
 Concen: 47.932 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN055671.D  
 Acq: 20 May 2019 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 82.5  | 123.7 |
| 192     | 24.6  | 18.7  | 28.1  |



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





#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

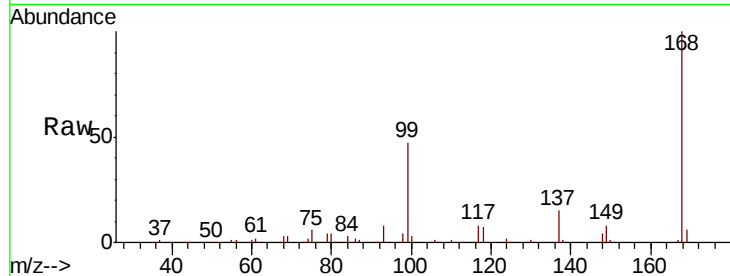
Tot Ion: 75 Resp: 24837

Ion Ratio Lower Upper

75 100

110 9.2 18.6 55.6#

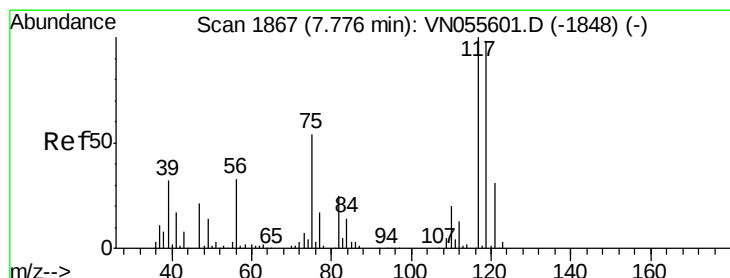
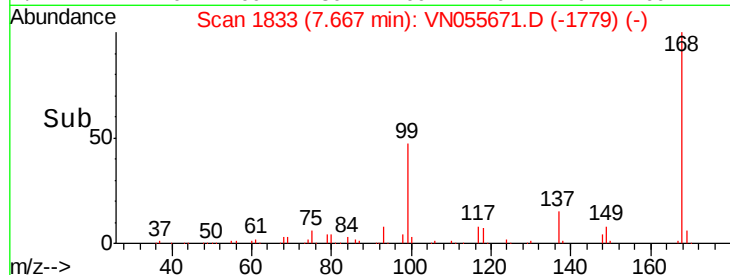
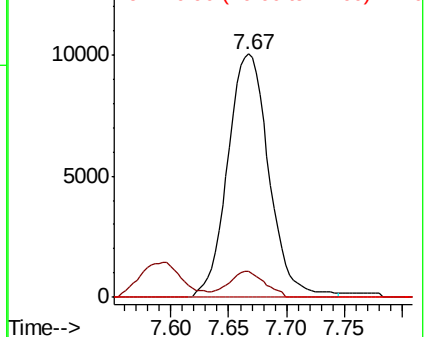
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055601.D (-1851) (-)

Ion 109.90 (109.60 to 110.60): VN055601.D (-1851) (-)

Ion 76.90 (76.60 to 77.60): VN055601.D (-1851) (-)



#38

Carbon Tetrachloride

Concen: 5.973 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

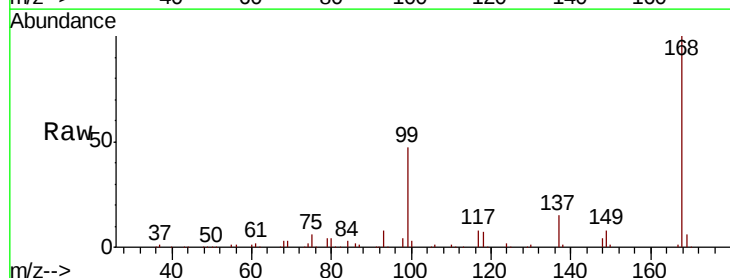
Tgt Ion: 117 Resp: 34623

Ion Ratio Lower Upper

117 100

119 4.8 77.8 116.8#

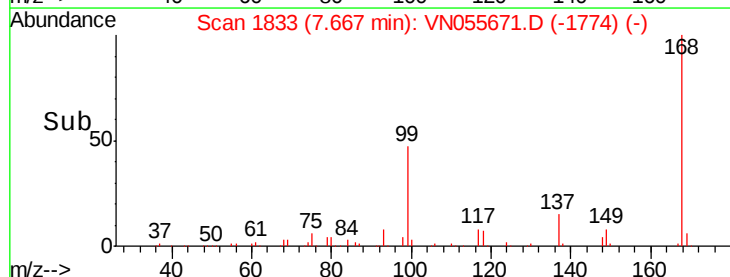
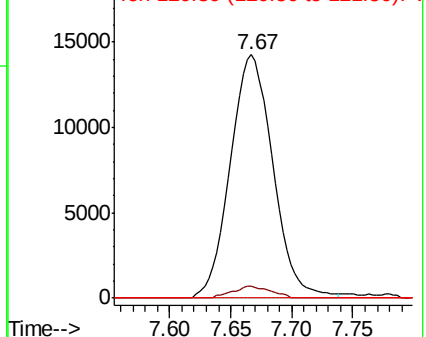
121 0.0 24.6 37.0#

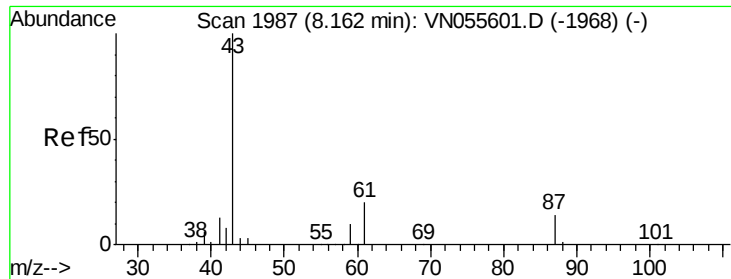


Abundance Ion 116.80 (116.50 to 117.50): VN055601.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN055601.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN055601.D (-1848) (-)





#43

Isopropyl Acetate

Concen: 1.779 ug/l

RT: 8.17 min Scan# 1988

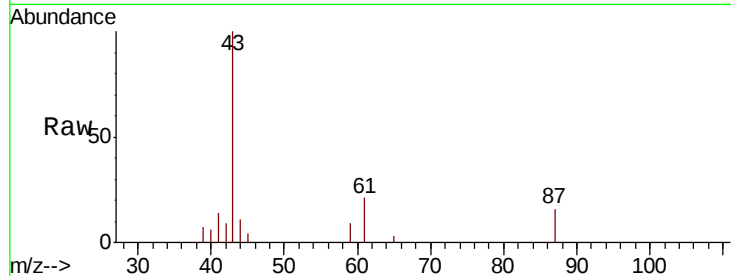
Delta R.T. 0.00 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

Tot Ion: 43 Resp: 15152

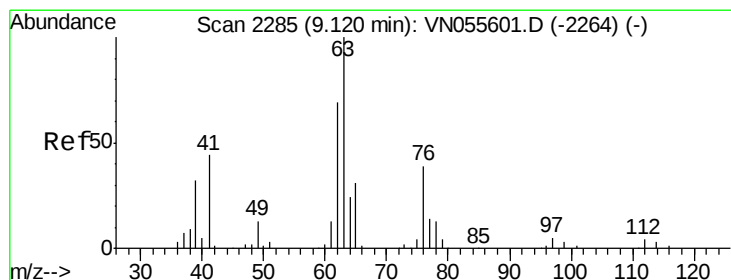
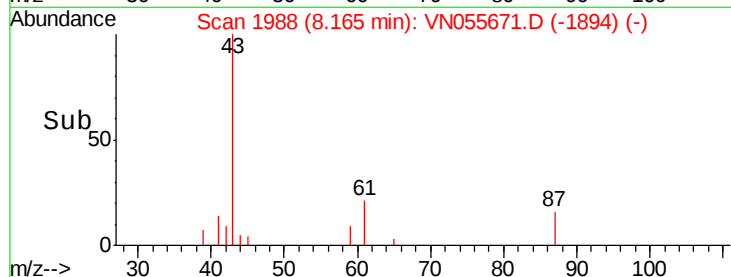
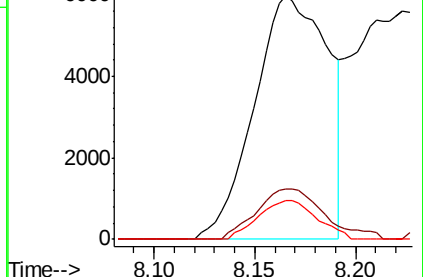
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 19.0  | 22.1  | 33.1# |
| 87  | 12.6  | 11.8  | 17.6  |



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.338 ug/l

RT: 9.26 min Scan# 2329

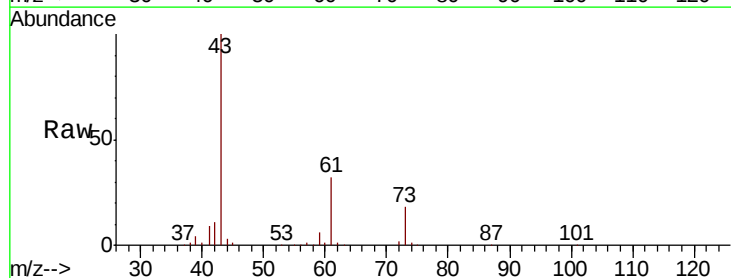
Delta R.T. 0.14 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

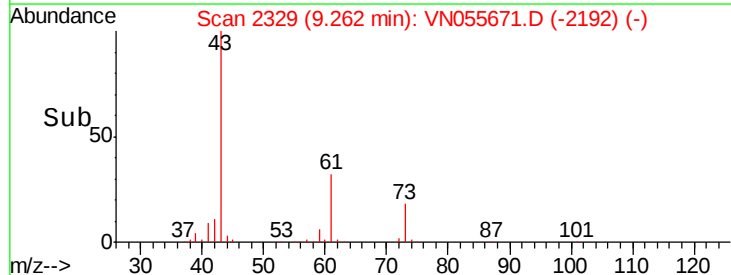
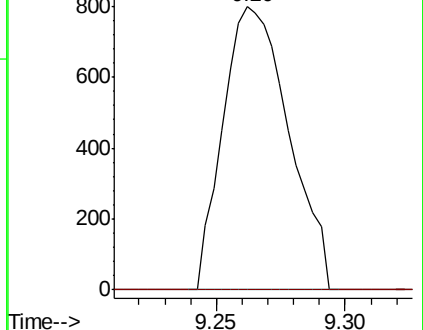
Tgt Ion: 63 Resp: 1422

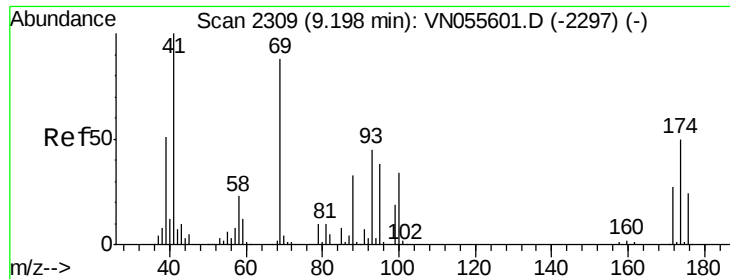
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 0.0   | 25.2  | 37.8# |



Abundance Ion 62.90 (62.60 to 63.60): VN0

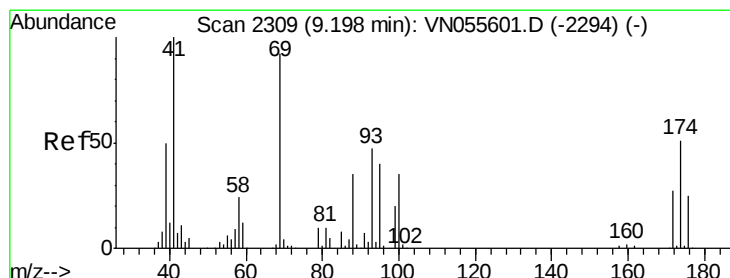
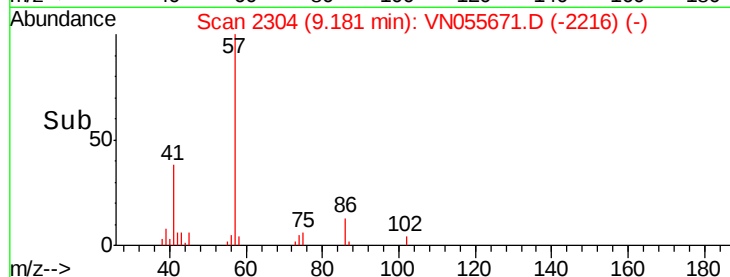
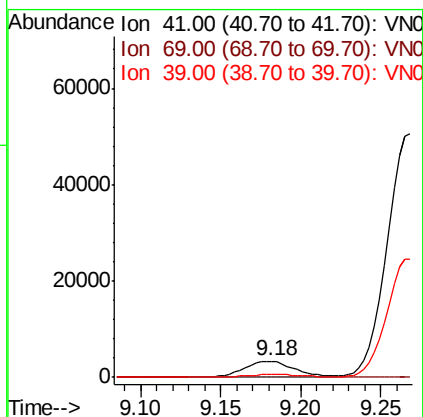
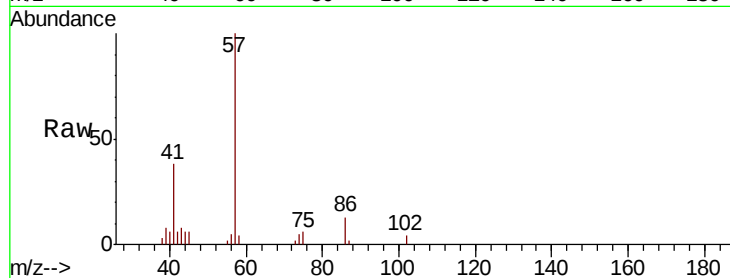
Ion 64.90 (64.60 to 65.60): VN0





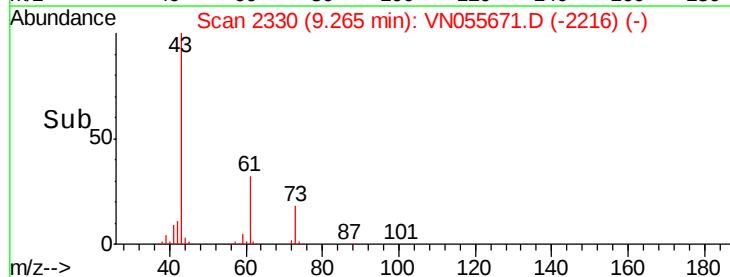
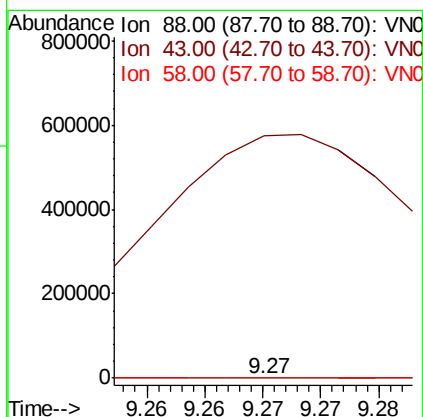
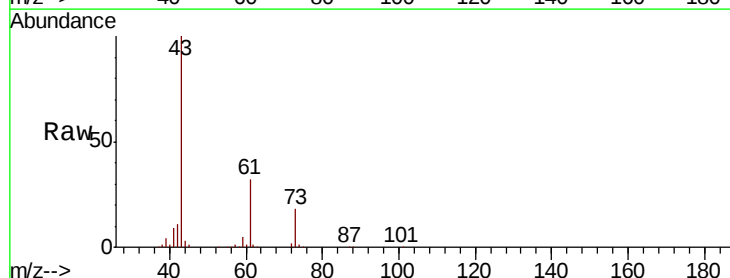
#48  
Methyl methacrylate  
Concen: 1.943 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. -0.02 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

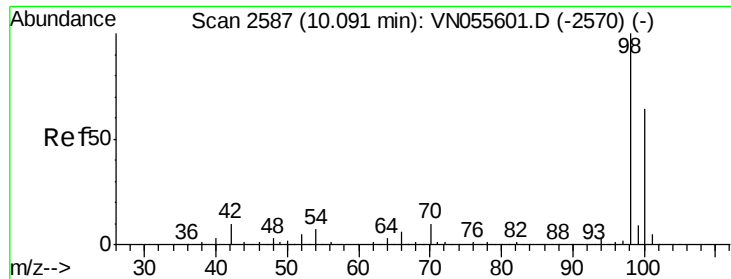
Tot Ion: 41 Resp: 7393  
Ion Ratio Lower Upper  
41 100  
69 0.0 74.2 111.2#  
39 0.0 43.8 65.8#



#49  
1,4-Dioxane  
Concen: 0.397 ug/l  
RT: 9.27 min Scan# 2330  
Delta R.T. 0.07 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tgt Ion: 88 Resp: 30  
Ion Ratio Lower Upper  
88 100  
43 3710730.0 22.4 33.6#  
58 14523.3 53.4 80.2#





#50

Toluene-d8

Concen: 47.764 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055671.D

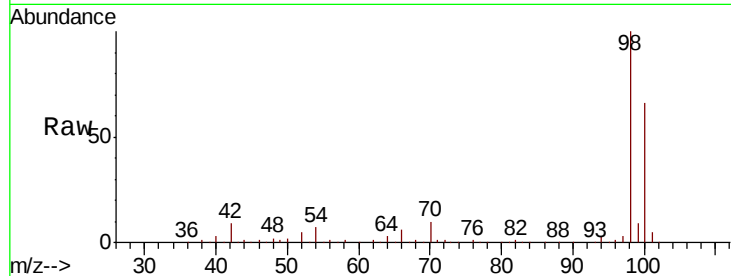
Acq: 20 May 2019 14:03

Tot Ion: 98 Resp: 698045

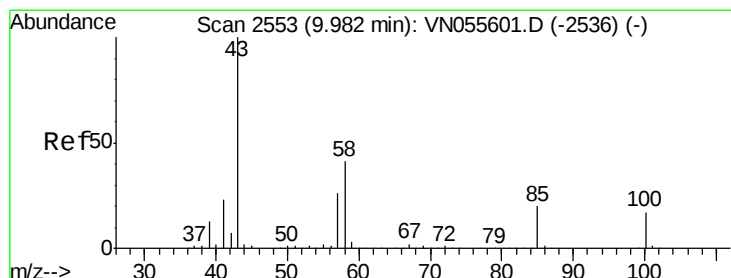
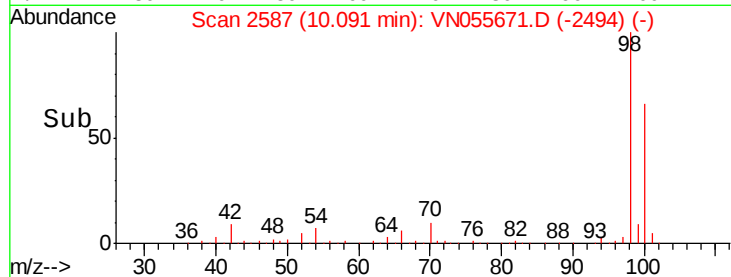
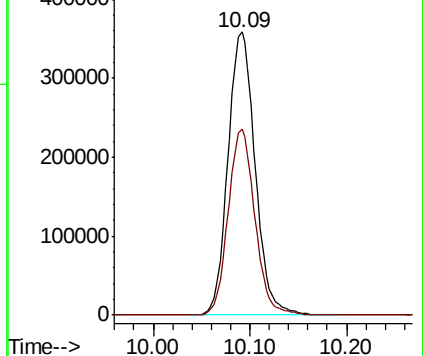
Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055601.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.831 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055671.D

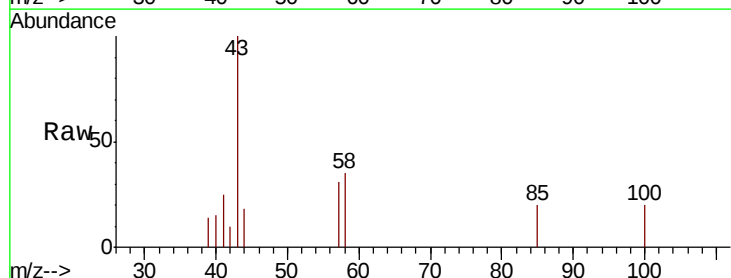
Acq: 20 May 2019 14:03

Tgt Ion: 43 Resp: 4149

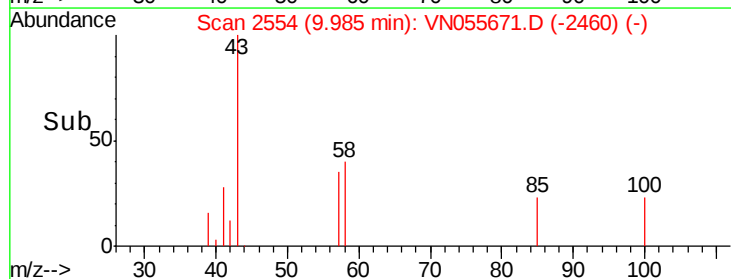
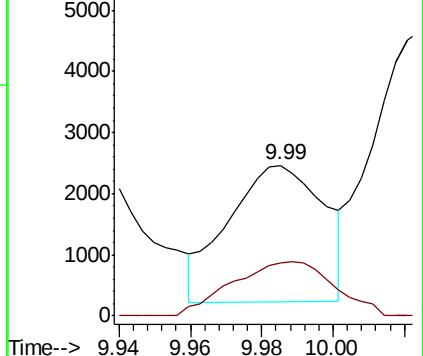
Ion Ratio Lower Upper

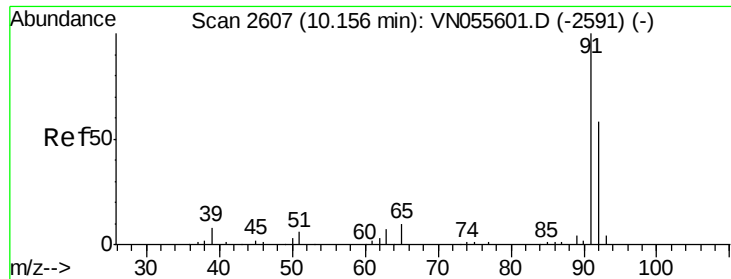
43 100

58 42.1 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)





#52

Toluene

Concen: 0.303 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055671.D

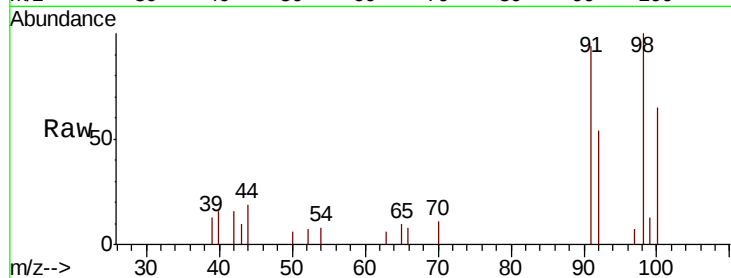
Acq: 20 May 2019 14:03

Tot Ion: 92 Resp: 3032

Ion Ratio Lower Upper

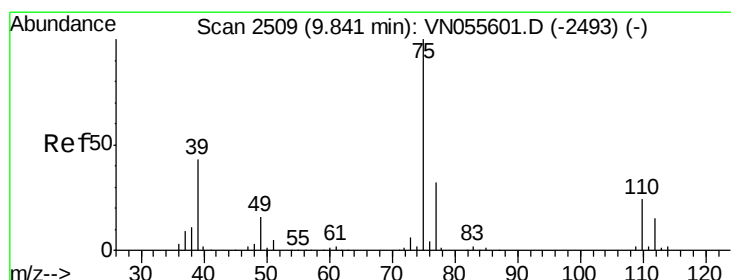
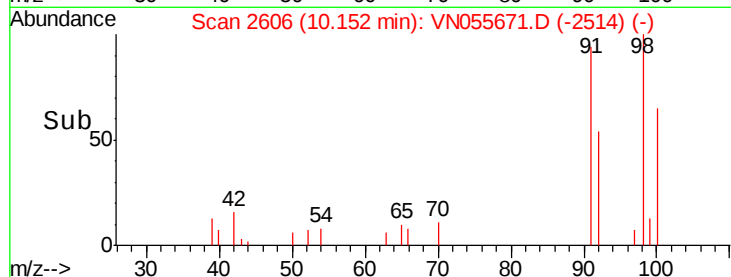
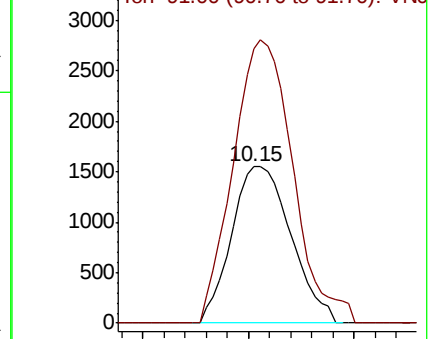
92 100

91 182.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 8.329 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

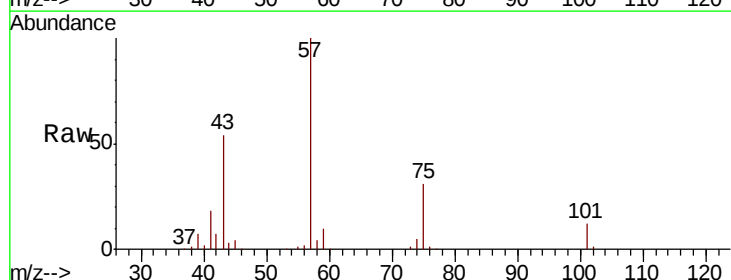
Tgt Ion: 75 Resp: 56622

Ion Ratio Lower Upper

75 100

77 0.5 25.7 38.5#

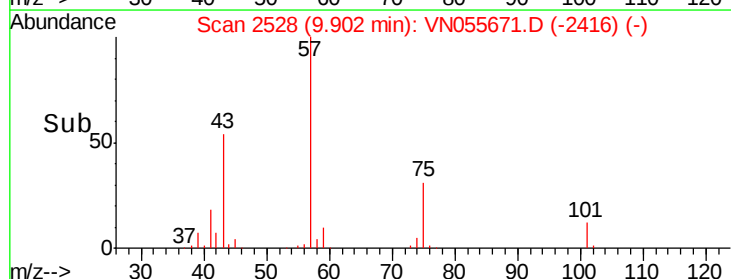
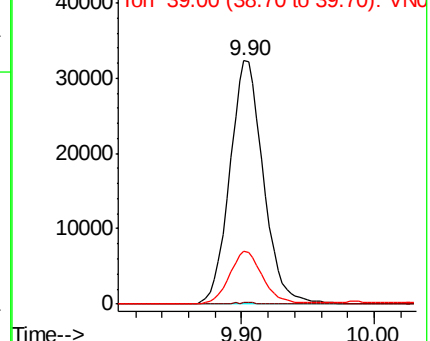
39 21.6 34.7 52.1#

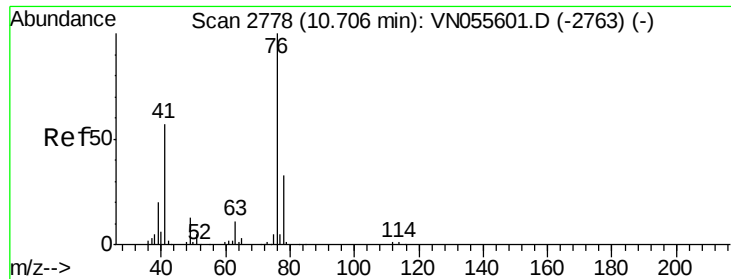


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.660 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055671.D

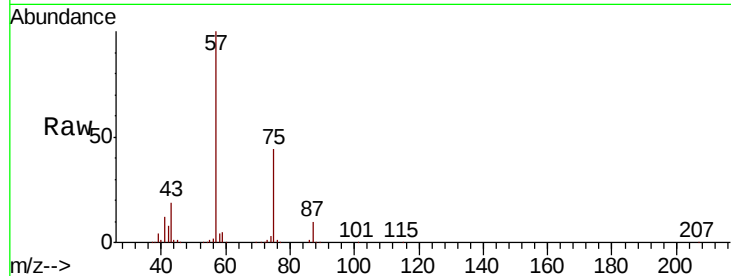
Acq: 20 May 2019 14:03

Tot Ion: 76 Resp: 10834

Ion Ratio Lower Upper

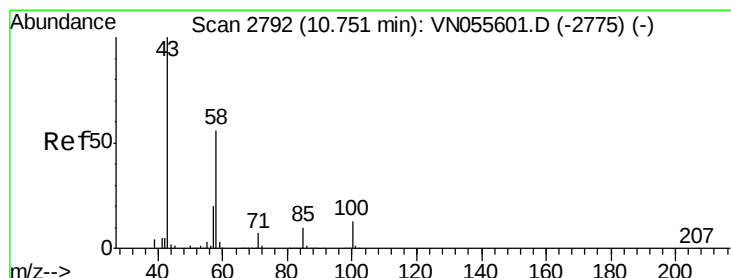
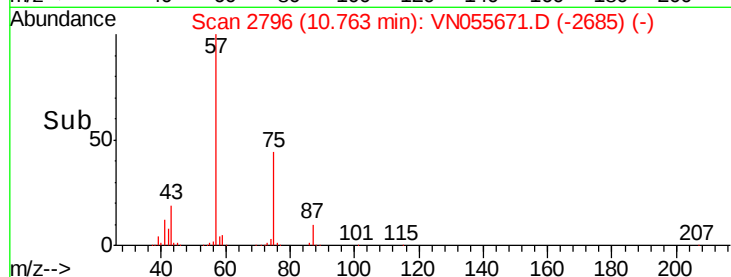
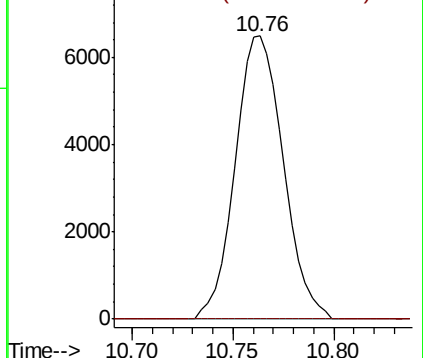
76 100

78 0.0 26.5 39.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 38.077 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN055671.D

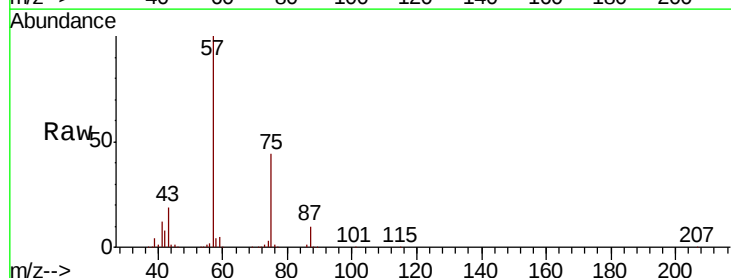
Acq: 20 May 2019 14:03

Tgt Ion: 43 Resp: 133897

Ion Ratio Lower Upper

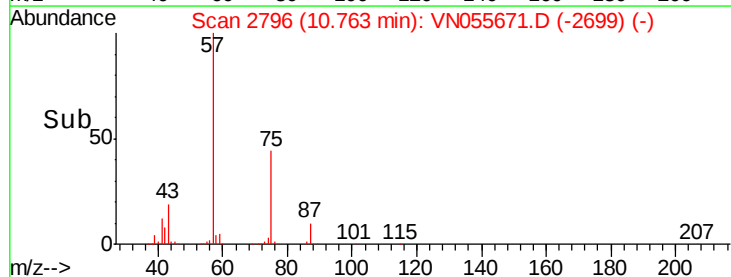
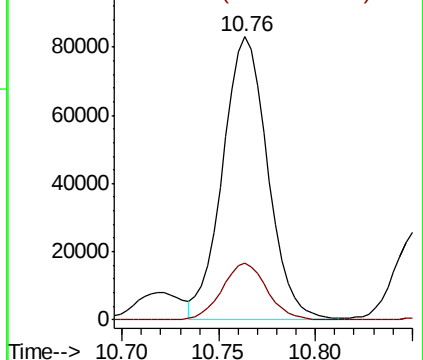
43 100

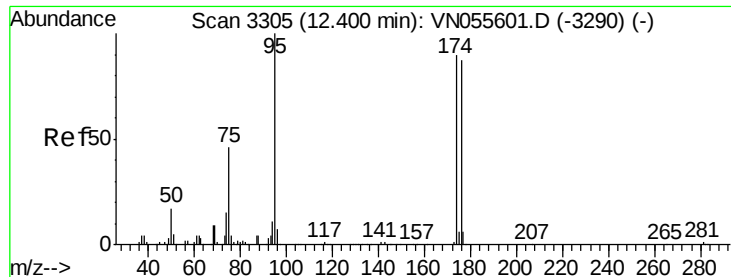
58 20.1 28.1 84.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 43.152 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

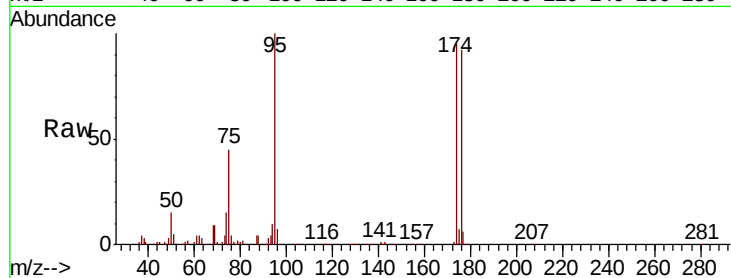
Tot Ion: 95 Resp: 217770

Ion Ratio Lower Upper

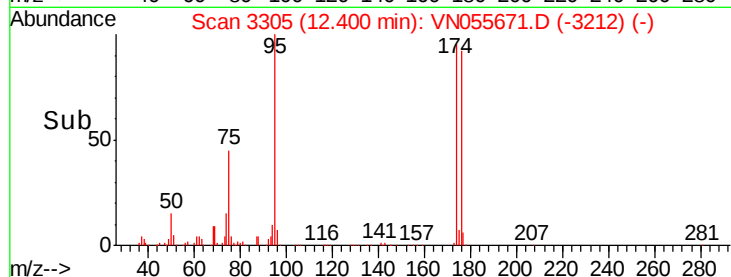
95 100

174 94.5 0.0 180.6

176 92.6 0.0 177.4

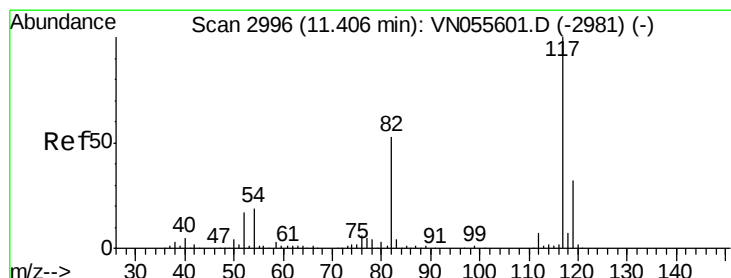
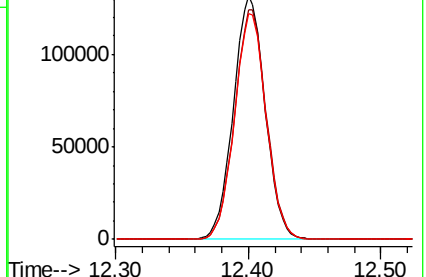


Abundance Ion 94.90 (94.60 to 95.60): VN055671.D (-3212) (-)



Ion 173.80 (173.50 to 174.50): VN055671.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055671.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

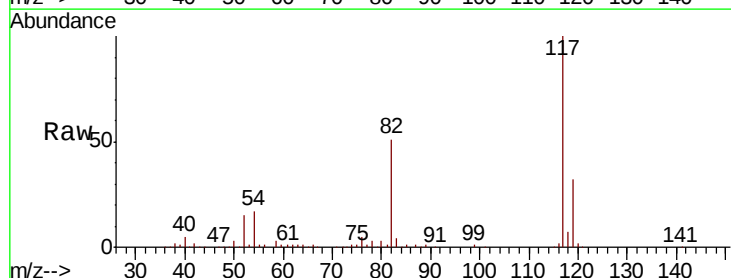
Tgt Ion: 117 Resp: 510212

Ion Ratio Lower Upper

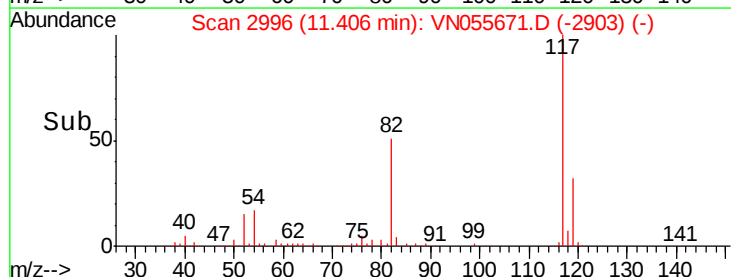
117 100

82 51.0 42.3 63.5

119 32.3 25.4 38.2

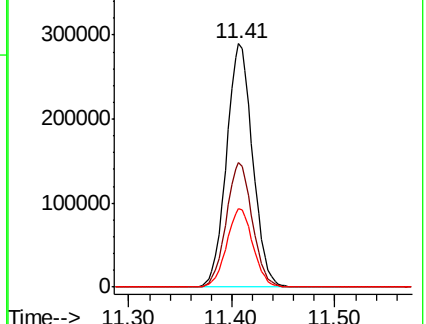


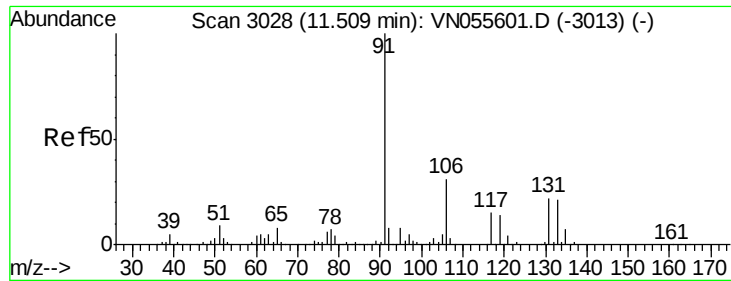
Abundance Ion 116.90 (116.60 to 117.60): VN055671.D (-2903) (-)



Ion 82.00 (81.70 to 82.70): VN055671.D (-2903) (-)

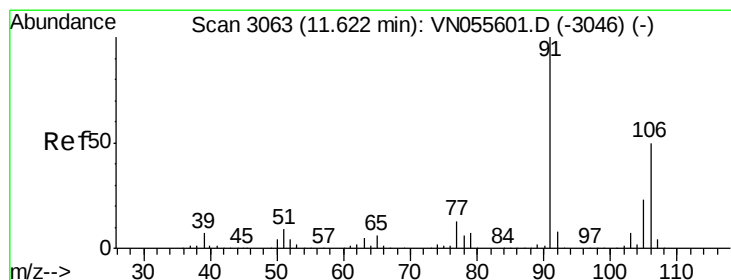
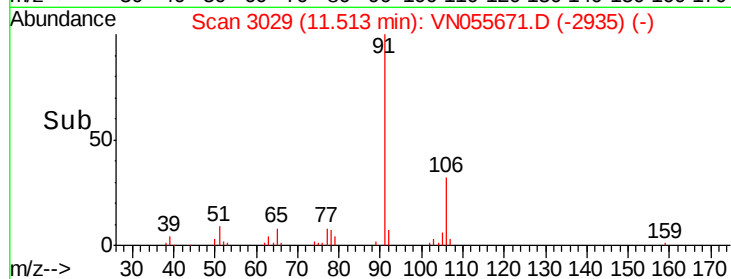
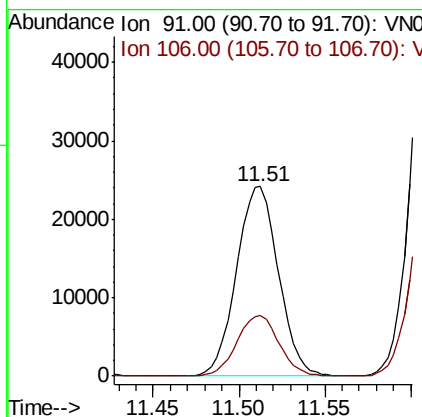
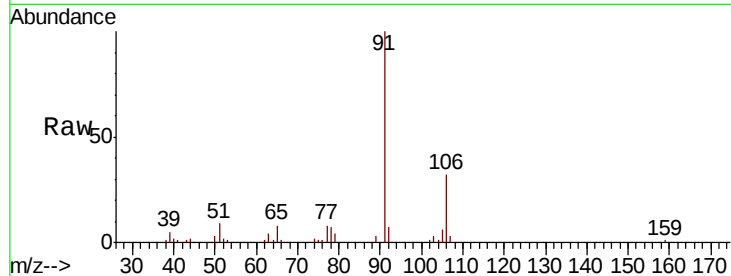
Ion 118.90 (118.60 to 119.60): VN055671.D (-2903) (-)





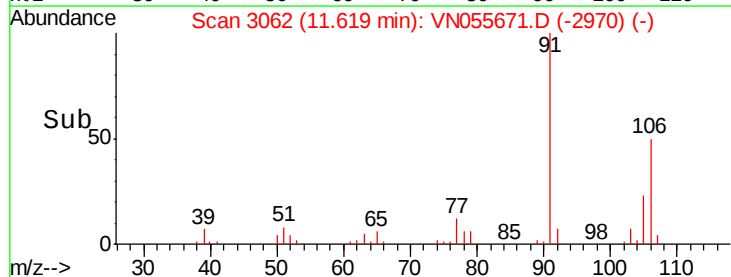
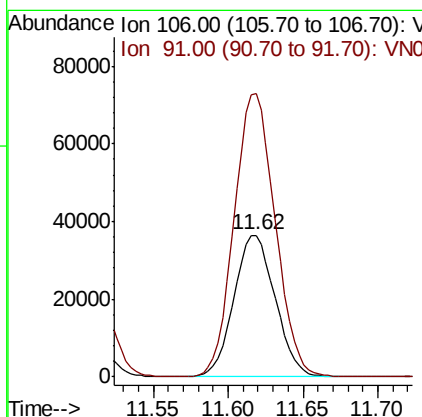
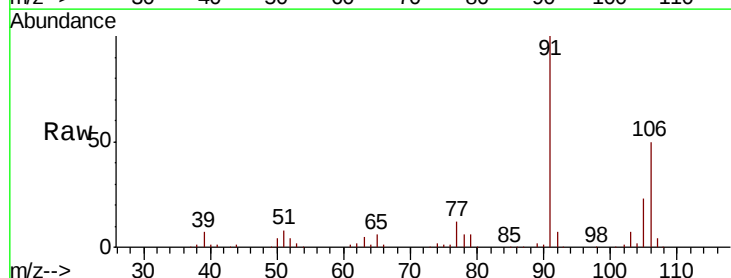
#67  
Ethyl Benzene  
Concen: 2.234 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

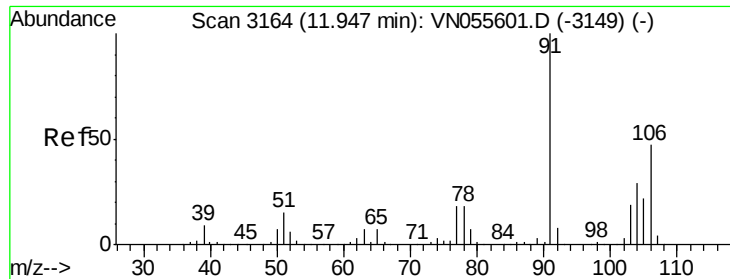
Tot Ion: 91 Resp: 41074  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.2 37.8



#68  
m/p-Xylenes  
Concen: 10.077 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

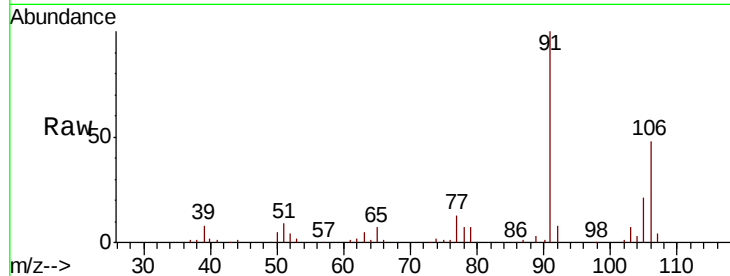
Tgt Ion: 106 Resp: 69957  
Ion Ratio Lower Upper  
106 100  
91 198.9 160.5 240.7



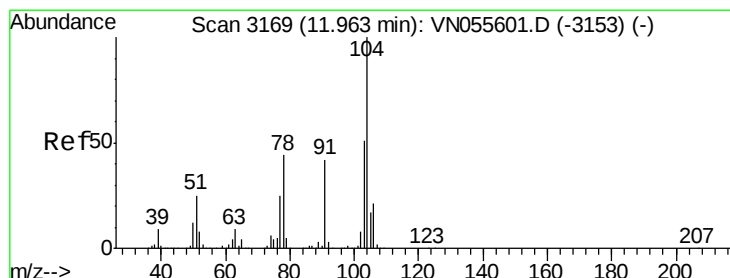
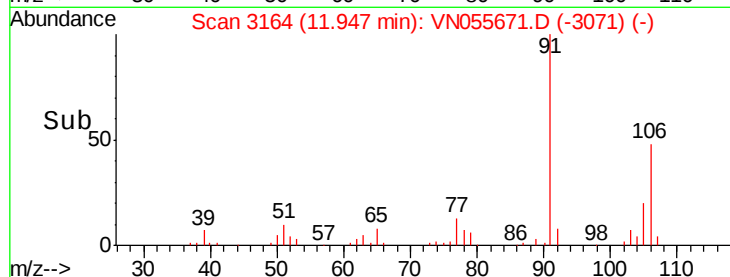
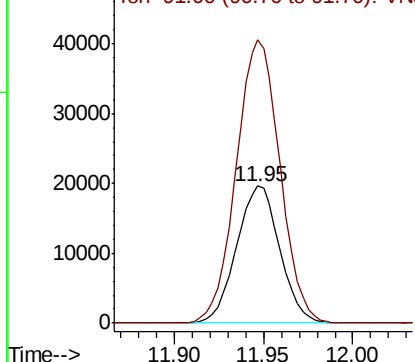


#69  
o-Xylene  
Concen: 4.880 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tot Ion:106 Resp: 33139  
Ion Ratio Lower Upper  
106 100  
91 209.6 106.7 320.2

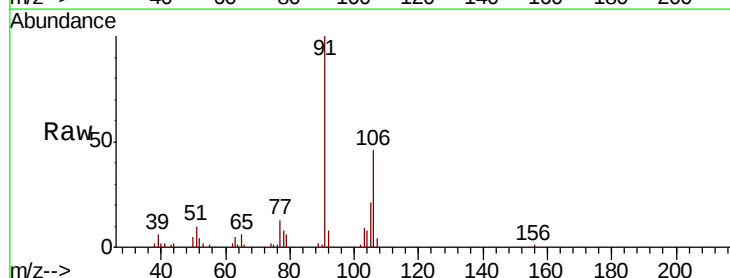


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

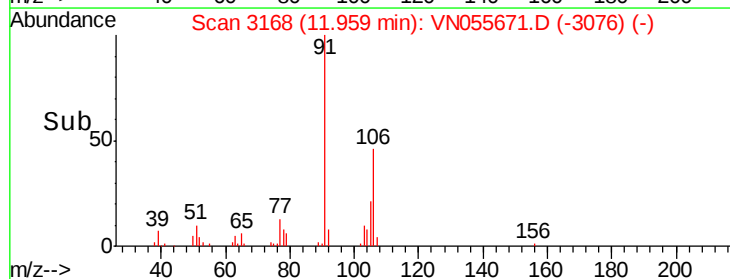
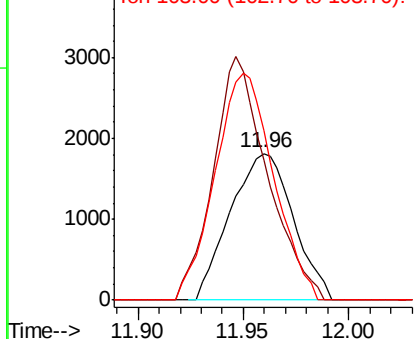


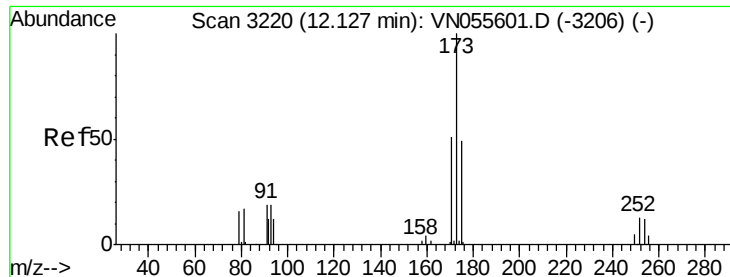
#70  
Styrene  
Concen: 0.332 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. -0.00 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tgt Ion:104 Resp: 3749  
Ion Ratio Lower Upper  
104 100  
78 142.6 38.6 58.0#  
103 144.3 44.4 66.6#



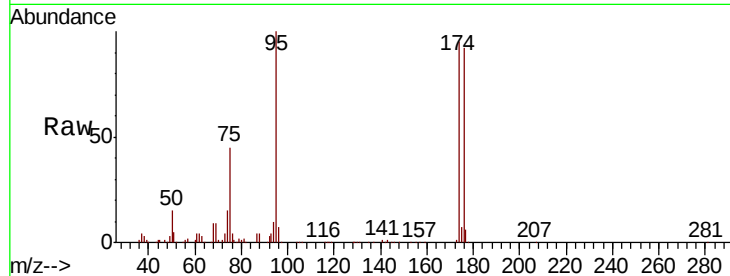
Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VN  
Ion 103.00 (102.70 to 103.70): V



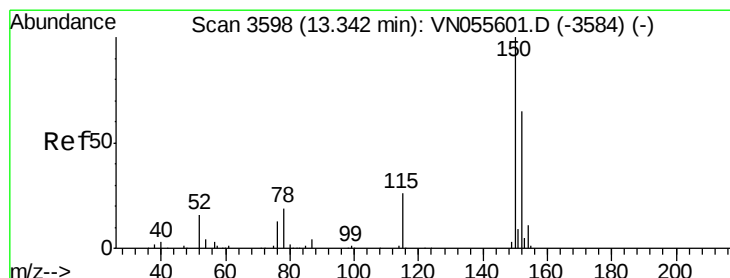
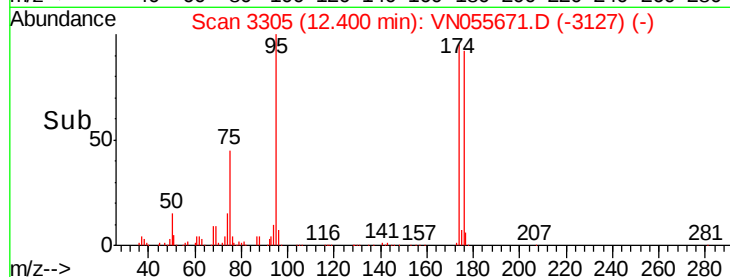
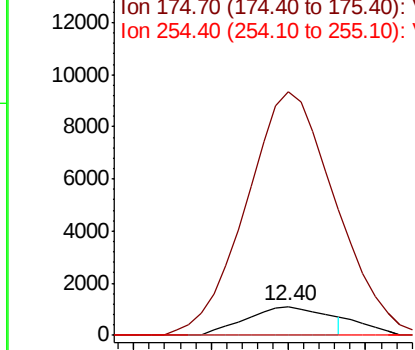


#71  
Bromoform  
Concen: 0.455 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tot Ion:173 Resp: 1602  
Ion Ratio Lower Upper  
173 100  
175 830.6 24.3 72.9#  
254 0.0 0.1 0.1#

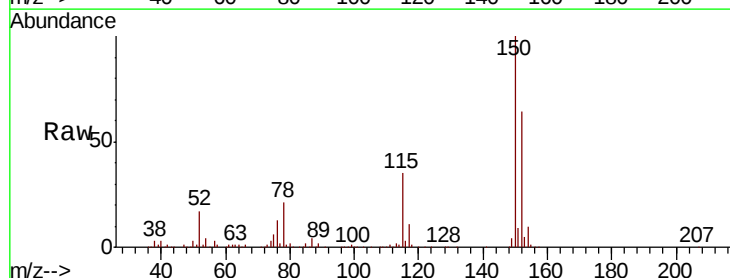


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

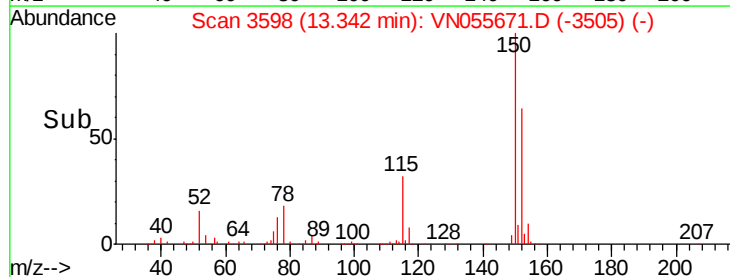
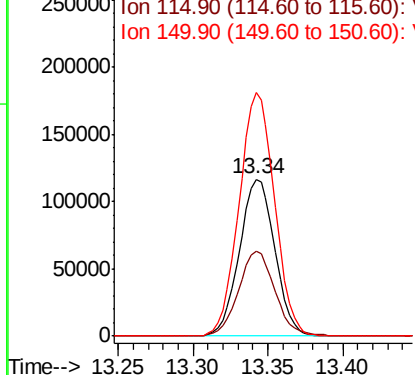


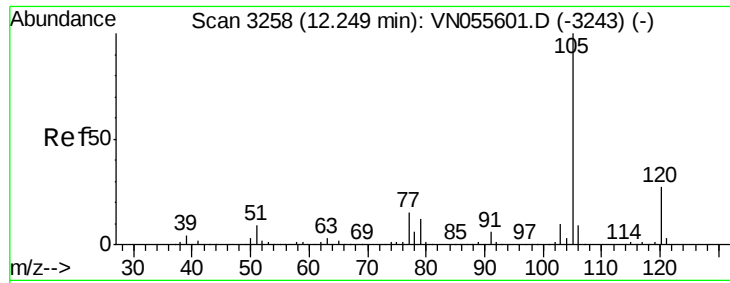
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tgt Ion:152 Resp: 191988  
Ion Ratio Lower Upper  
152 100  
115 56.0 28.1 84.2  
150 155.7 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055671.D

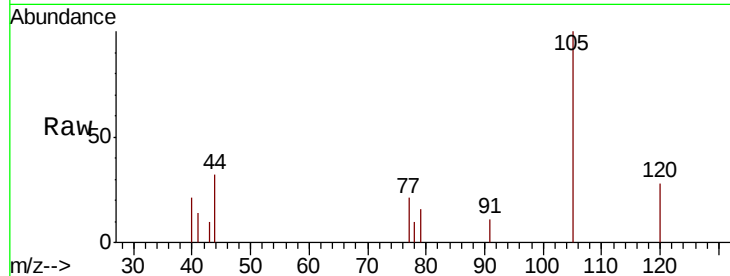
Acq: 20 May 2019 14:03

Tot Ion: 105 Resp: 2322

Ion Ratio Lower Upper

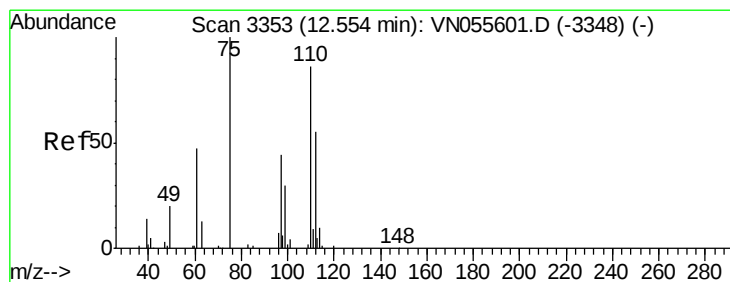
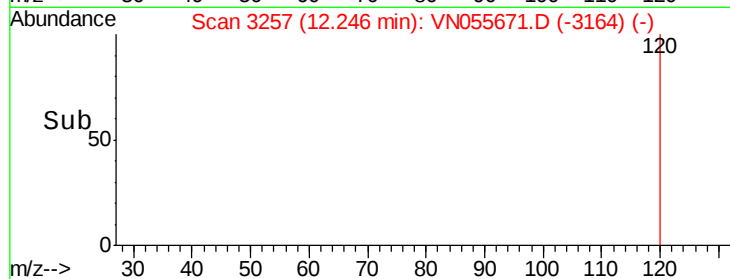
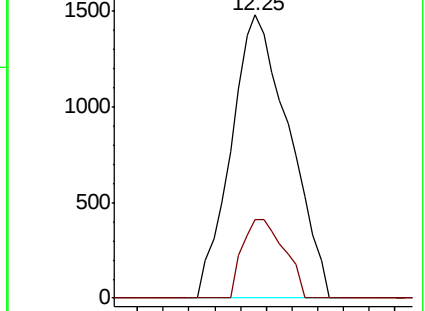
105 100

120 20.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 25.251 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055671.D

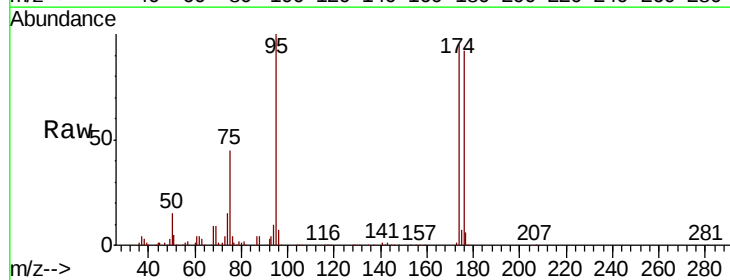
Acq: 20 May 2019 14:03

Tgt Ion: 75 Resp: 98921

Ion Ratio Lower Upper

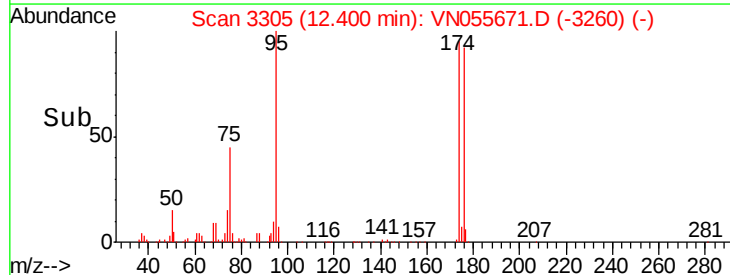
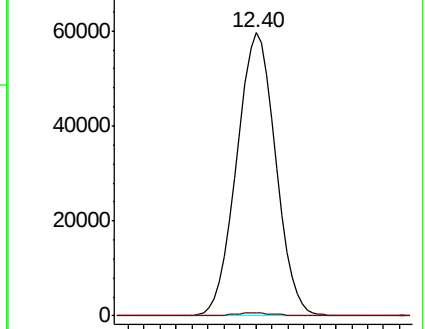
75 100

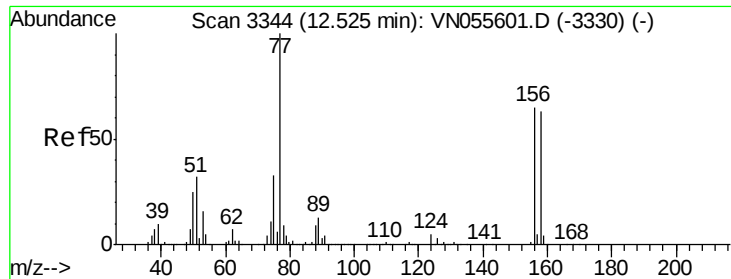
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 0.935 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

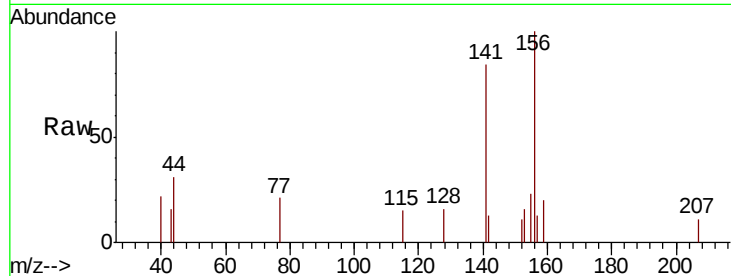
Tot Ion:156 Resp: 3688

Ion Ratio Lower Upper

156 100

77 9.8 94.5 283.5#

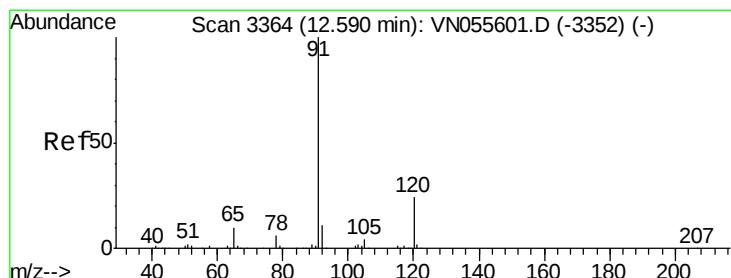
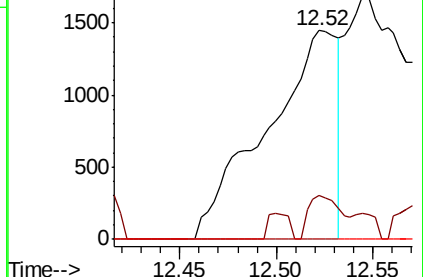
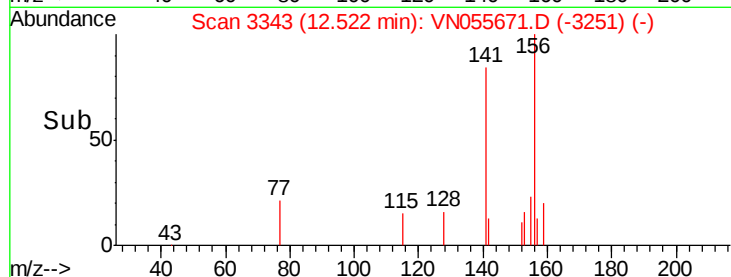
158 0.0 49.0 147.2#



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: 0.649 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055671.D

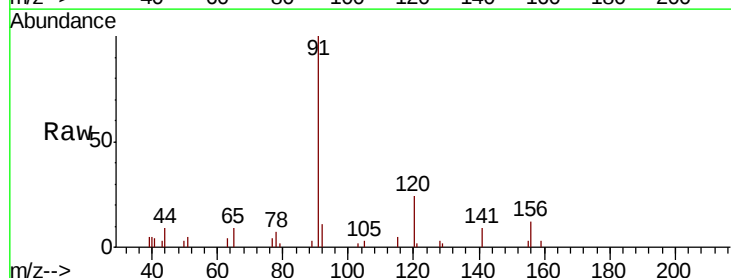
Acq: 20 May 2019 14:03

Tgt Ion: 91 Resp: 11058

Ion Ratio Lower Upper

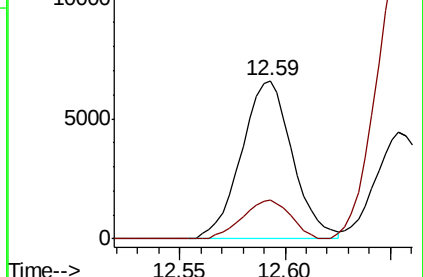
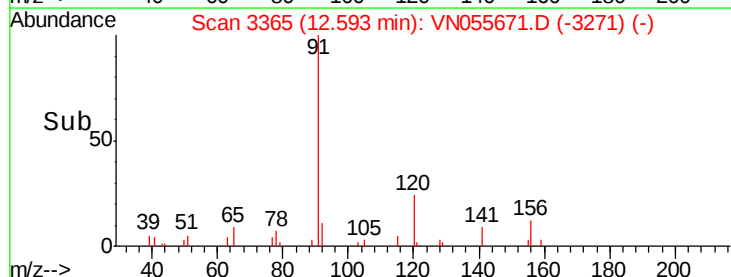
91 100

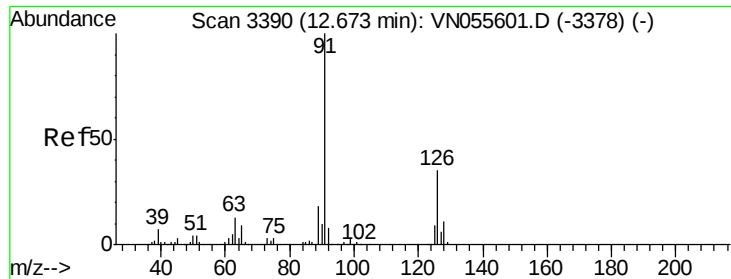
120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

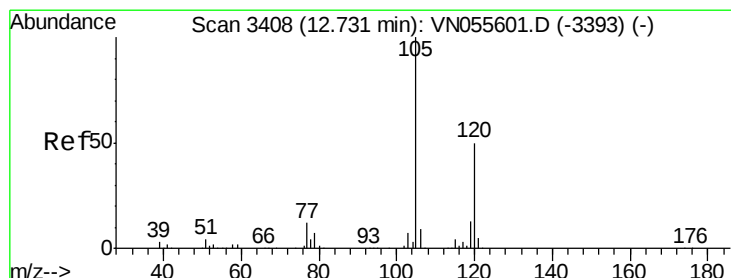
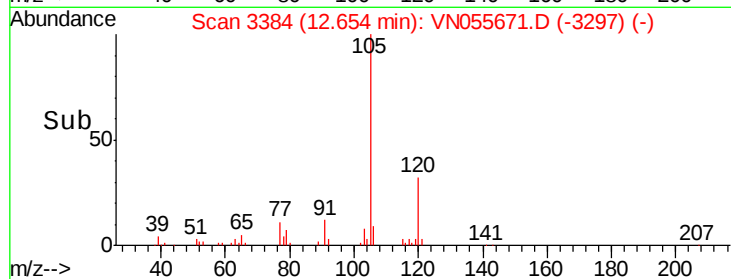
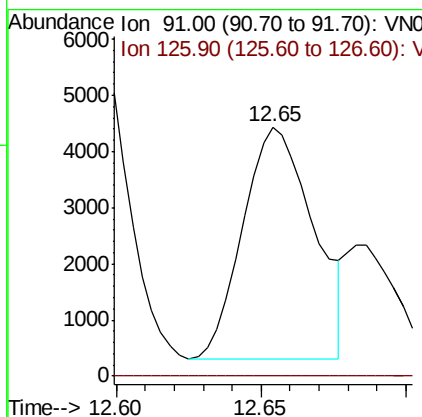
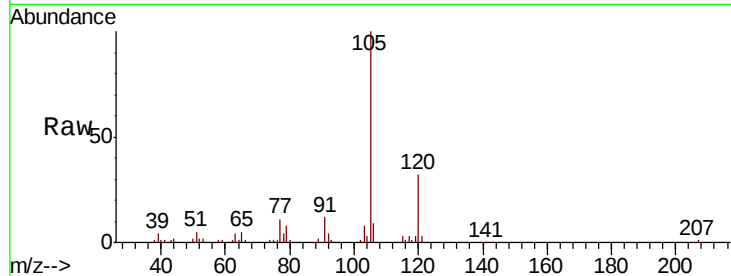
Ion 120.00 (119.70 to 120.70): V





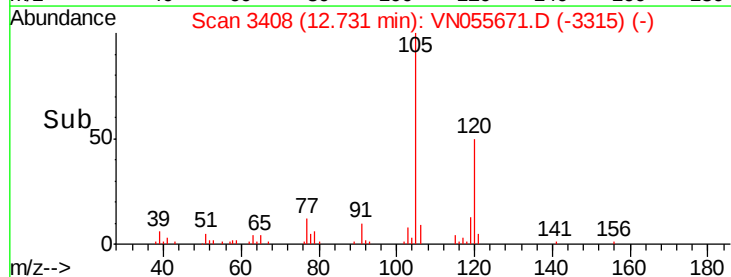
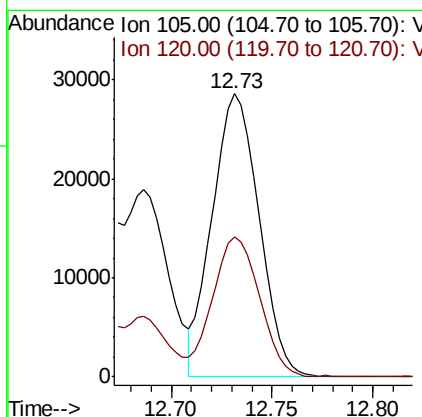
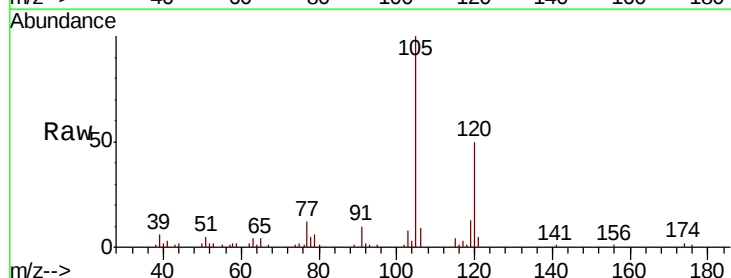
#79  
 2-Chlorotoluene  
 Concen: Below Cal  
 RT: 12.65 min Scan# 3384  
 Delta R.T. -0.02 min  
 Lab File: VN055671.D  
 Acq: 20 May 2019 14:03

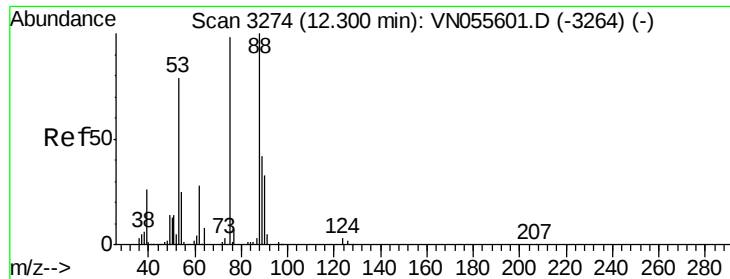
Tot Ion: 91 Resp: 6969  
 Ion Ratio Lower Upper  
 91 100  
 126 0.0 17.8 53.4#



#80  
 1,3,5-Trimethylbenzene  
 Concen: 2.059 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN055671.D  
 Acq: 20 May 2019 14:03

Tgt Ion: 105 Resp: 46222  
 Ion Ratio Lower Upper  
 105 100  
 120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.909 ug/l

RT: 12.40 min Scan# 3305

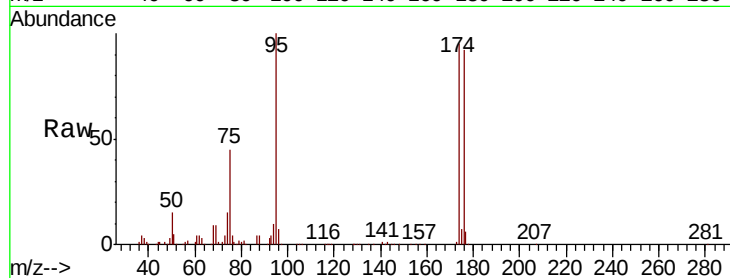
Delta R.T. 0.10 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

Tot Ion: 75 Resp: 98921

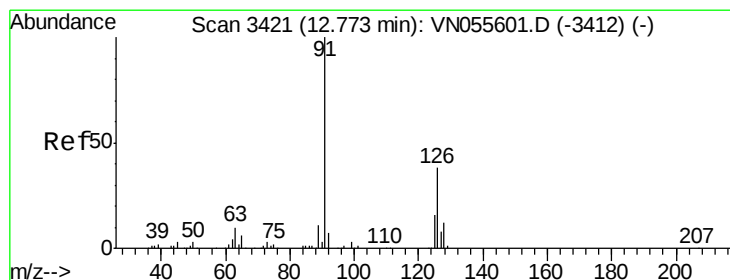
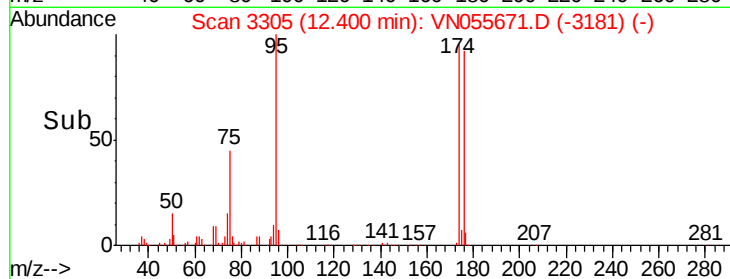
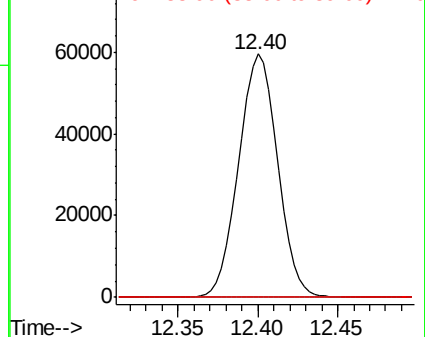
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 53  | 0.0   | 65.1  | 97.7# |
| 89  | 0.0   | 36.4  | 54.6# |



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: 0.396 ug/l

RT: 12.73 min Scan# 3408

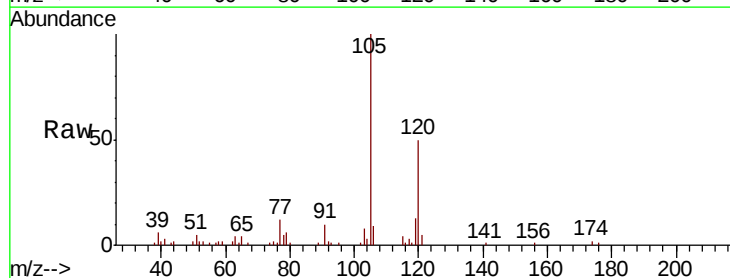
Delta R.T. -0.04 min

Lab File: VN055671.D

Acq: 20 May 2019 14:03

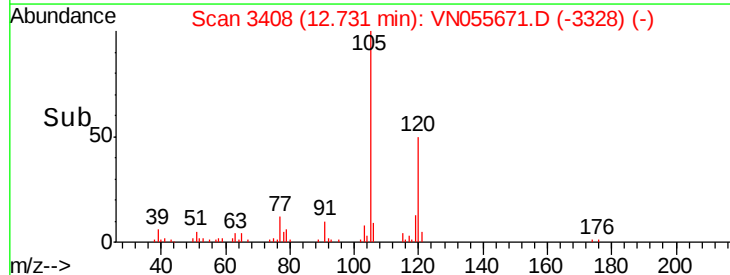
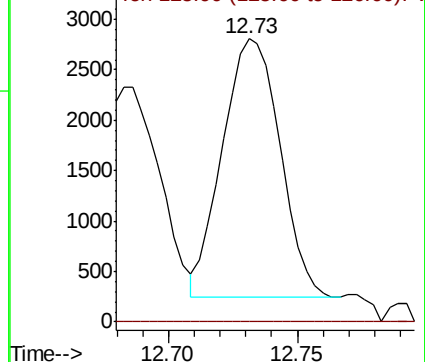
Tgt Ion: 91 Resp: 3974

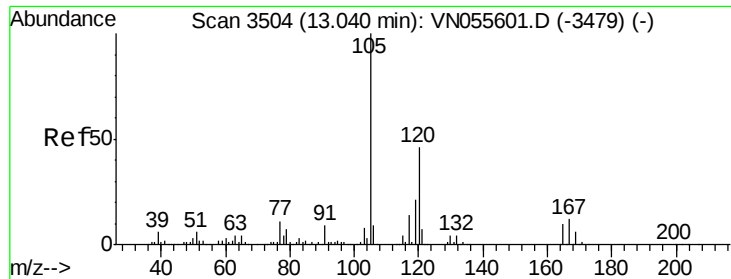
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 0.0   | 17.5  | 52.6# |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

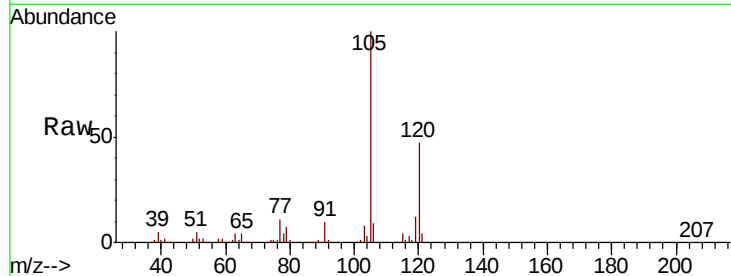




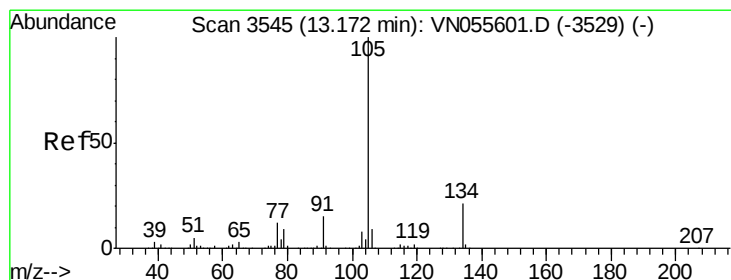
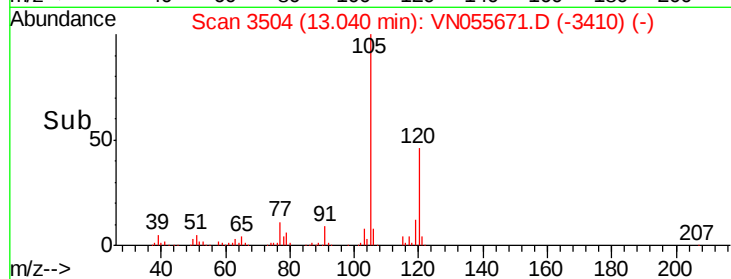
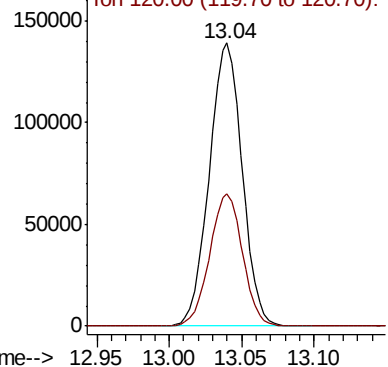
#84

1,2,4-Trimethylbenzene  
Concen: 17.953 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.4  | 23.1  | 69.2  |



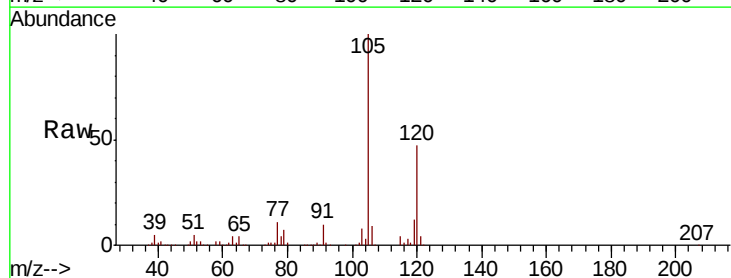
Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V



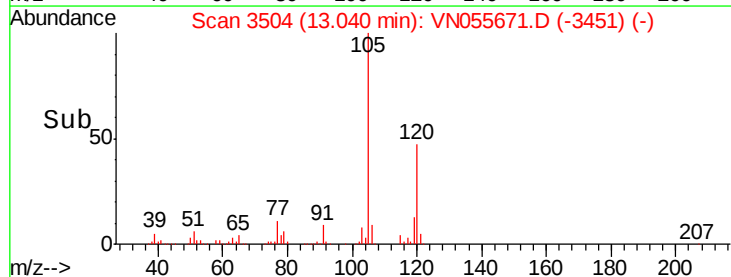
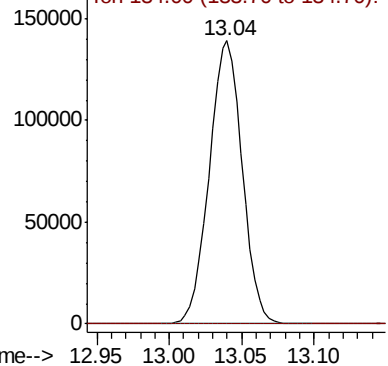
#85

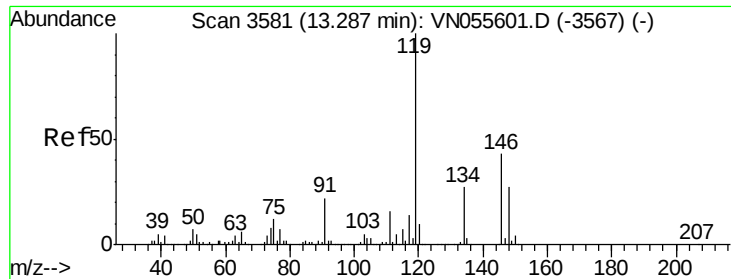
sec-Butylbenzene  
Concen: 15.605 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. -0.13 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 0.0   | 10.3  | 30.9# |



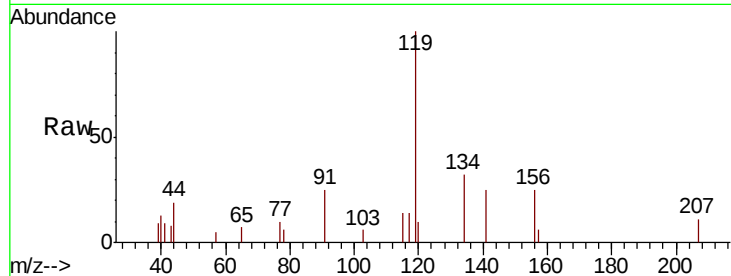
Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V



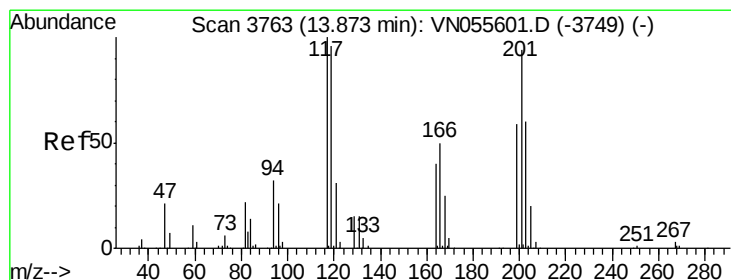
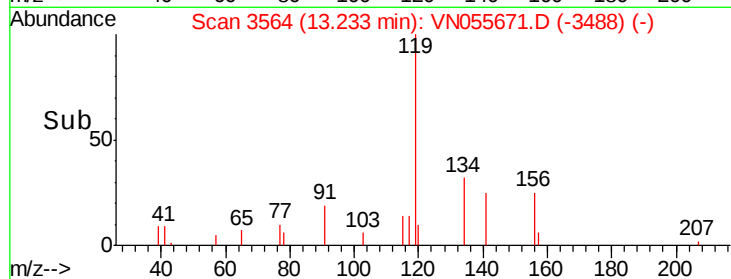
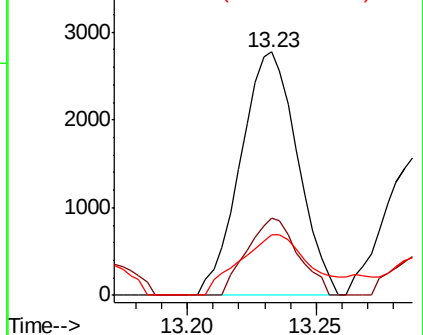


#86  
p-Isopropyltoluene  
Concen: Below Cal  
RT: 13.23 min Scan# 3564  
Delta R.T. -0.05 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tot Ion:119 Resp: 4283  
Ion Ratio Lower Upper  
119 100  
134 28.5 13.4 40.2  
91 30.1 11.0 33.0

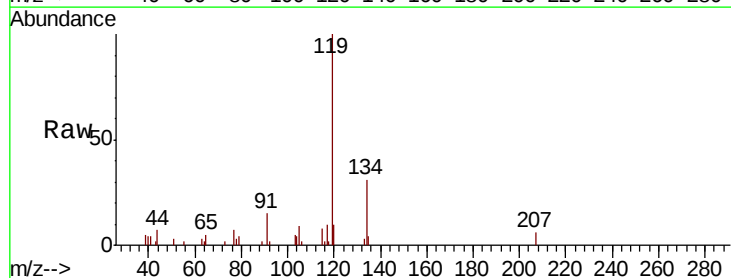


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V

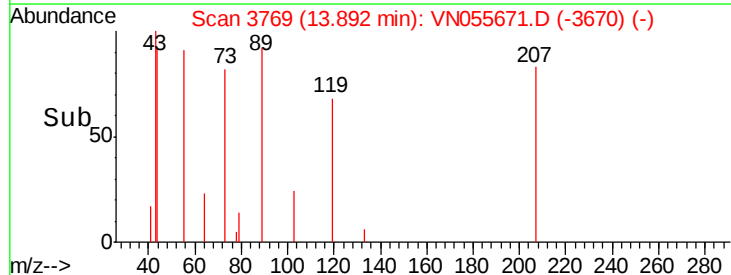
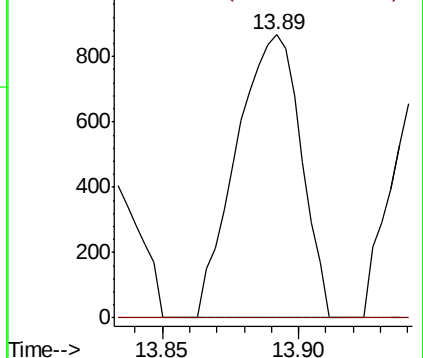


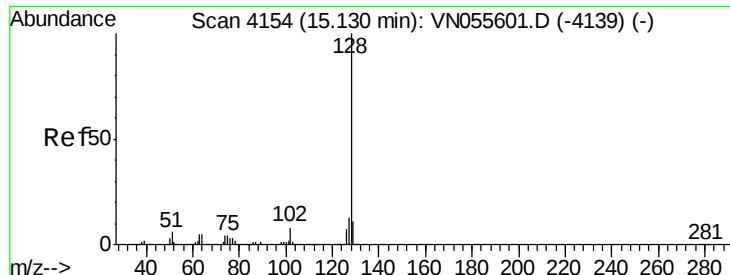
#90  
Hexachloroethane  
Concen: Below Cal  
RT: 13.89 min Scan# 3769  
Delta R.T. 0.02 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

Tgt Ion:117 Resp: 1426  
Ion Ratio Lower Upper  
117 100  
201 0.0 47.1 141.3#



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





#95  
Naphthalene  
Concen: 7.590 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN055671.D  
Acq: 20 May 2019 14:03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.2  | 15.4  |
| 129     | 11.7  | 8.6   | 12.8  |

