

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN052019\  
 Data File : VN055679.D  
 Acq On : 20 May 2019 17:17  
 Operator : JC/SP  
 Sample : K2894-02  
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 17:37:27 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M

Quant Title : SW846 8260

QLast Update : Fri May 17 23:54:12 2019

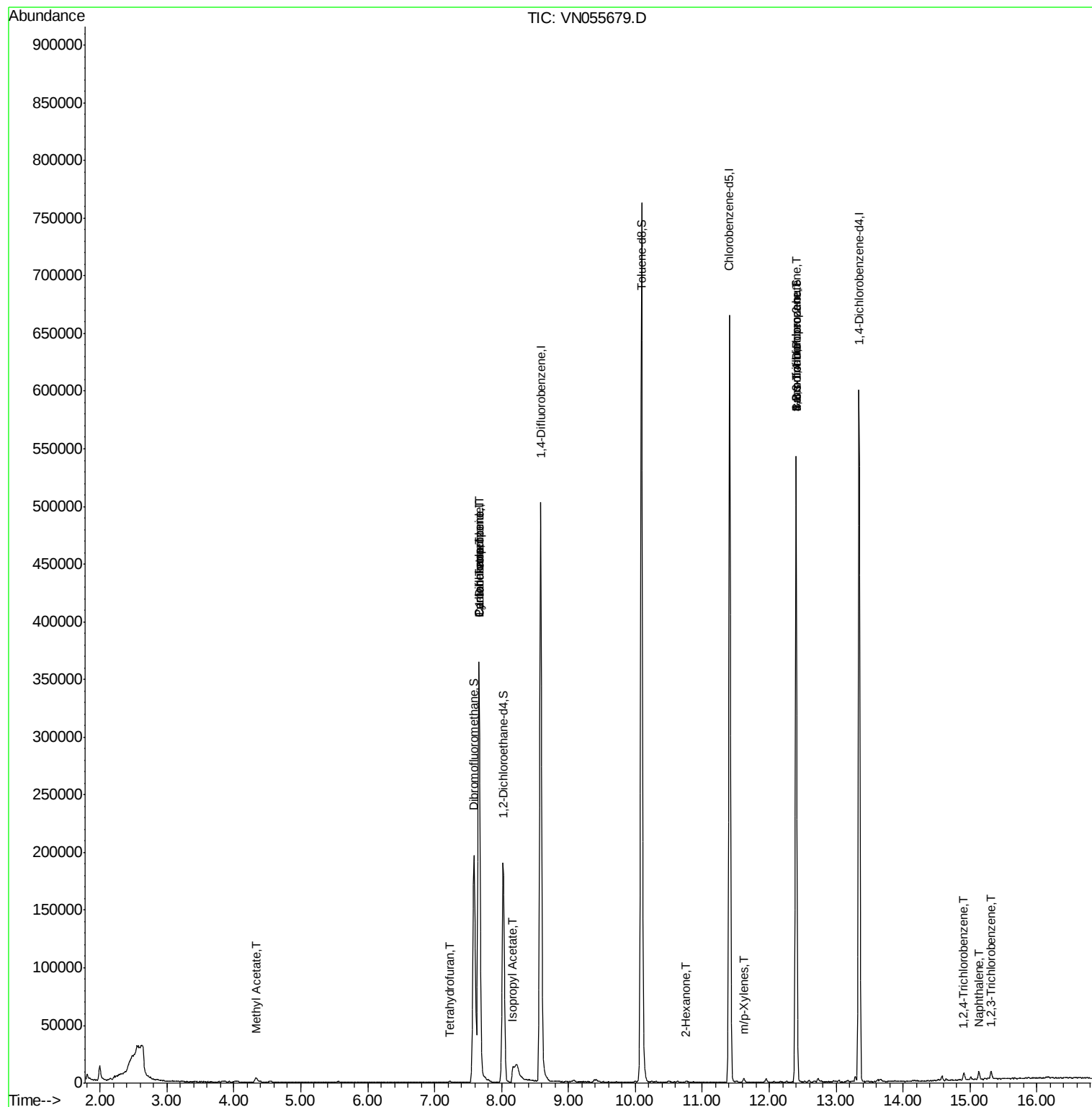
Response via : Initial Calibration

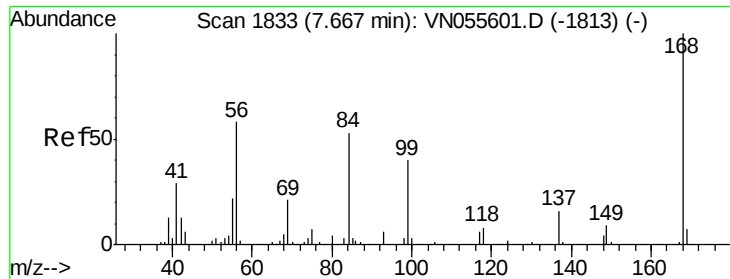
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|--------|----------|
| 1) Pentafluorobenzene          | 7.66   | 168  | 357817   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.58   | 114  | 508680   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 11.41  | 117  | 432249   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.34  | 152  | 178954   | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds    |        |      |          |           |        |          |
| 33) 1,2-Dichloroethane-d4      | 8.02   | 65   | 161770   | 41.24     | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 82.48% |          |
| 35) Dibromofluoromethane       | 7.59   | 113  | 151698   | 46.95     | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 93.90% |          |
| 50) Toluene-d8                 | 10.09  | 98   | 580455   | 47.51     | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 95.02% |          |
| 62) 4-Bromofluorobenzene       | 12.40  | 95   | 186535   | 44.21     | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 88.42% |          |
| Target Compounds               |        |      |          |           |        |          |
|                                |        |      |          |           | Qvalue |          |
| 18) Methyl Acetate             | 4.33   | 43   | 7676     | 2.237     | ug/l   | 92       |
| 29) Tetrahydrofuran            | 7.22   | 42   | 391      | 0.264     | ug/l # | 49       |
| 31) Cyclohexane                | 7.66   | 56   | 5372     | 0.923     | ug/l # | 1        |
| 36) 1,1-Dichloropropene        | 7.66   | 75   | 21015    | 4.634     | ug/l # | 48       |
| 38) Carbon Tetrachloride       | 7.66   | 117  | 28720    | 5.926     | ug/l # | 15       |
| 43) Isopropyl Acetate          | 8.17   | 43   | 8854     | 1.244     | ug/l # | 53       |
| 59) 2-Hexanone                 | 10.77  | 43   | 607      | 0.206     | ug/l   | 94       |
| 68) m/p-Xylenes                | 11.62  | 106  | 1354     | 0.230     | ug/l   | 92       |
| 71) Bromoform                  | 12.40  | 173  | 1156     | 0.388     | ug/l # | 1        |
| 73) Isopropylbenzene           | 12.25  | 105  | 845      | Below Cal | #      | 48       |
| 76) 1,2,3-Trichloropropane     | 12.40  | 75   | 85250    | 23.346    | ug/l # | 100      |
| 79) 2-Chlorotoluene            | 12.78  | 91   | 965      | Below Cal |        | 80       |
| 80) 1,3,5-Trimethylbenzene     | 12.73  | 105  | 988      | Below Cal |        | 93       |
| 81) trans-1,4-Dichloro-2-buten | 12.40  | 75   | 85250    | 60.013    | ug/l # | 17       |
| 83) tert-Butylbenzene          | 12.99  | 119  | 694      | Below Cal | #      | 83       |
| 84) 1,2,4-Trimethylbenzene     | 13.04  | 105  | 1324     | Below Cal |        | 90       |
| 85) sec-Butylbenzene           | 13.17  | 105  | 1333     | Below Cal | #      | 72       |
| 86) p-Isopropyltoluene         | 13.29  | 119  | 2631     | Below Cal |        | 97       |
| 93) 1,2,4-Trichlorobenzene     | 14.91  | 180  | 2682     | 0.870     | ug/l   | 99       |
| 94) Hexachlorobutadiene        | 15.01  | 225  | 610      | Below Cal | #      | 60       |
| 95) Naphthalene                | 15.13  | 128  | 7264     | 2.517     | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene     | 15.32  | 180  | 3049     | 0.946     | ug/l   | 97       |

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

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Quant Title : SW846 8260  
QLast Update : Fri May 17 23:54:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055679.D

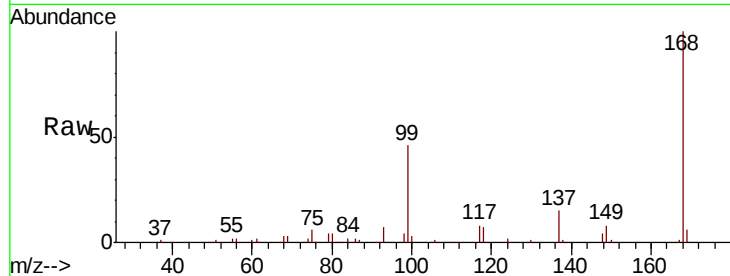
Acq: 20 May 2019 17:17

Tgt Ion:168 Resp: 357817

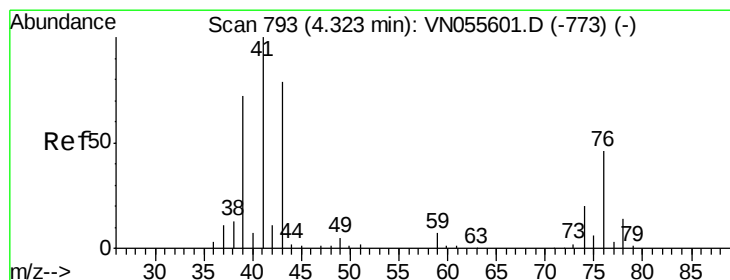
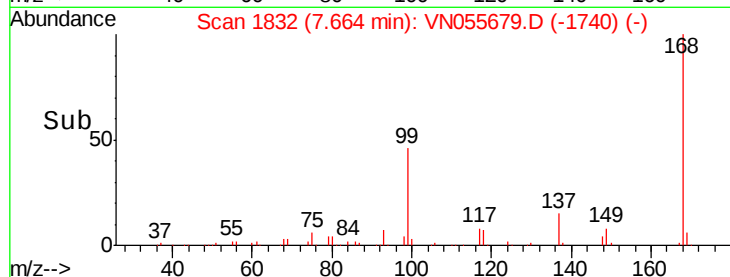
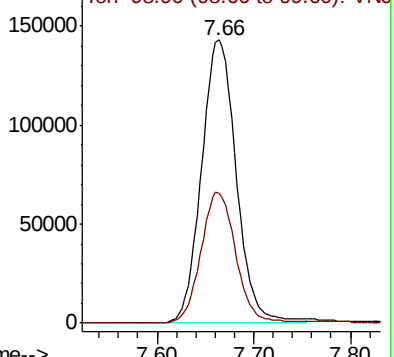
Ion Ratio Lower Upper

168 100

99 46.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055679.D (-1740) (-)



#18

Methyl Acetate

Concen: 2.237 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN055679.D

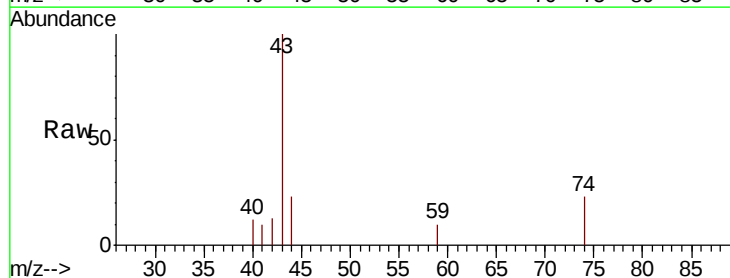
Acq: 20 May 2019 17:17

Tgt Ion: 43 Resp: 7676

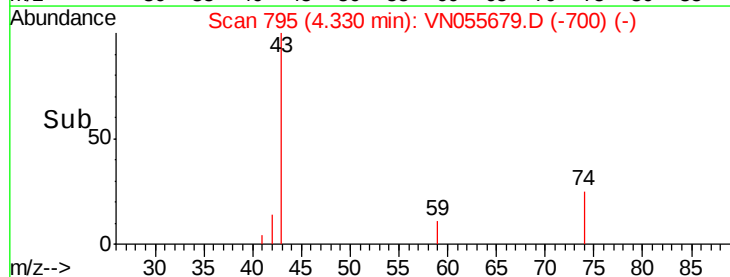
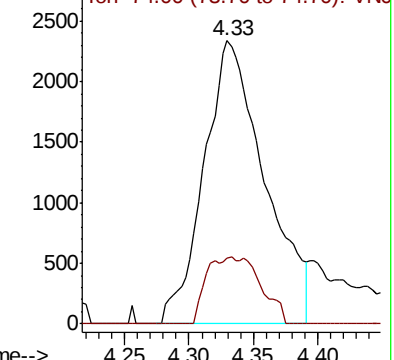
Ion Ratio Lower Upper

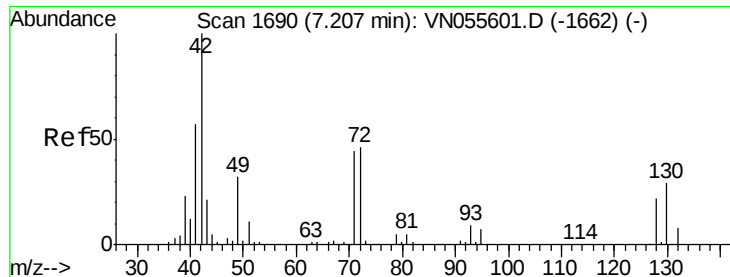
43 100

74 21.0 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN055679.D (-700) (-)





#29

Tetrahydrofuran

Concen: 0.264 ug/l

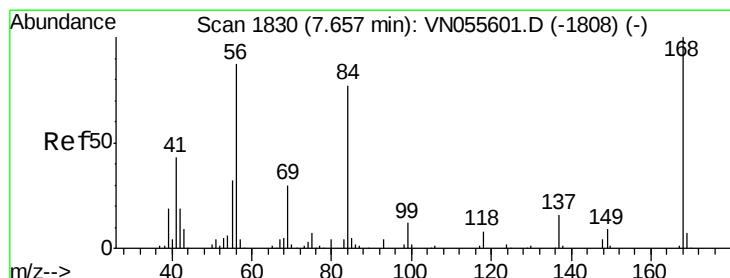
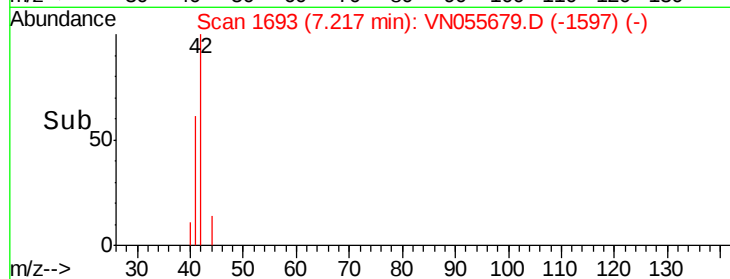
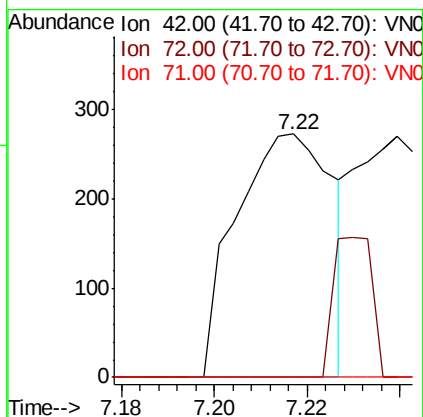
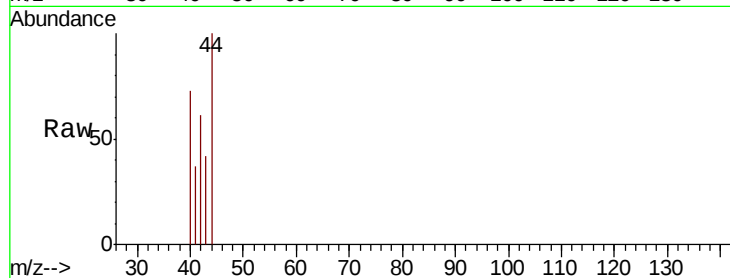
RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN055679.D

Acq: 20 May 2019 17:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 391   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 23.0  | 36.5  | 54.7# |
| 71       | 0.0   | 34.9  | 52.3# |



#31

Cyclohexane

Concen: 0.923 ug/l

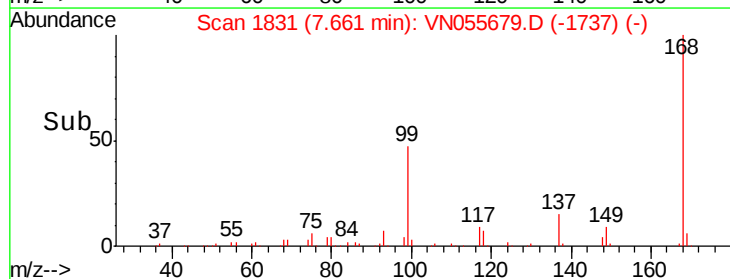
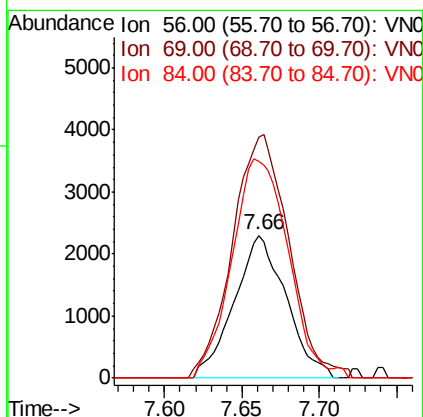
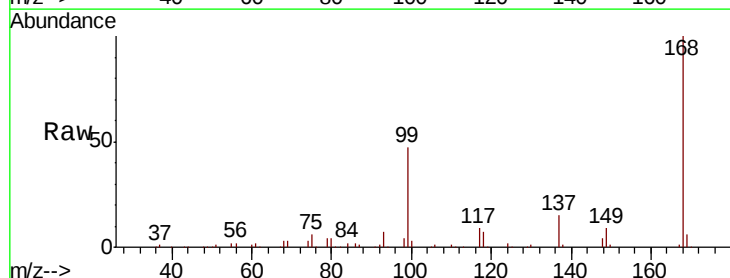
RT: 7.66 min Scan# 1831

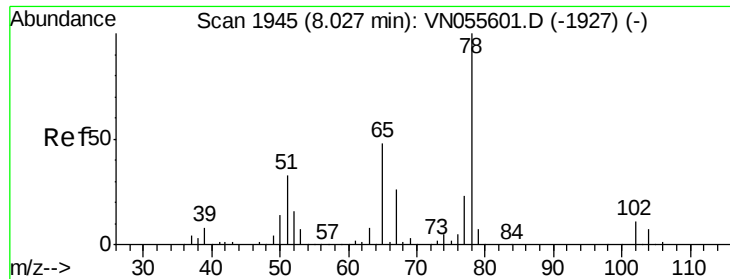
Delta R.T. 0.00 min

Lab File: VN055679.D

Acq: 20 May 2019 17:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5372   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 169.2 | 27.2  | 40.8#  |
| 84       | 151.6 | 71.3  | 106.9# |





#33

1,2-Dichloroethane-d4

Concen: 41.243 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN055679.D

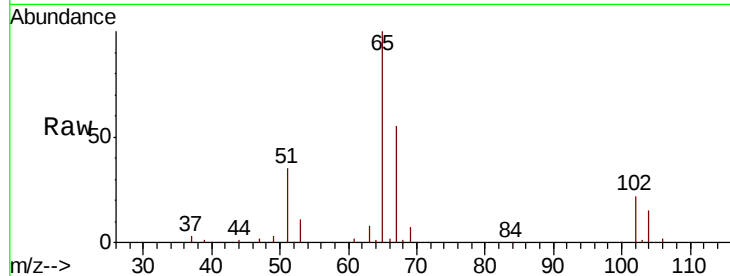
Acq: 20 May 2019 17:17

Tgt Ion: 65 Resp: 161770

Ion Ratio Lower Upper

65 100

67 54.6 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

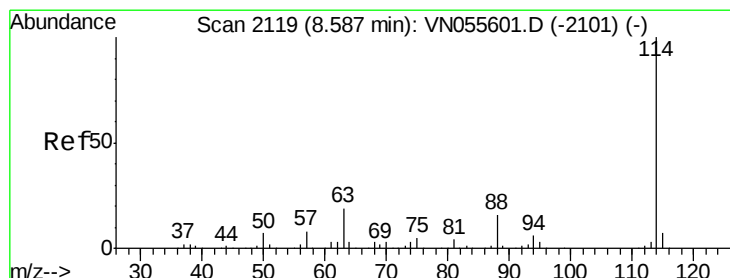
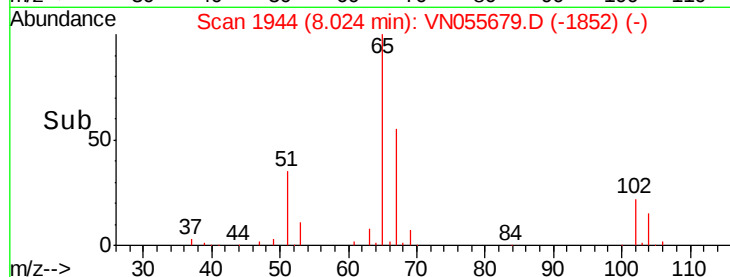
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055679.D

Acq: 20 May 2019 17:17

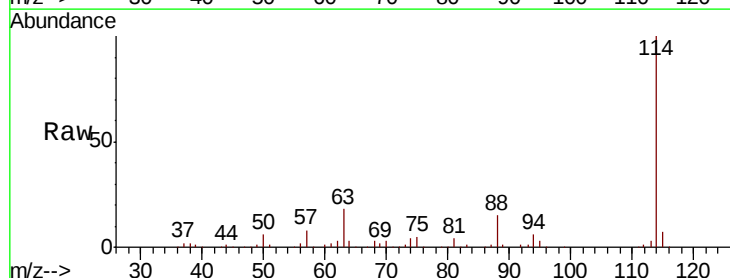
Tgt Ion: 114 Resp: 508680

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.2

88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.58

300000

250000

200000

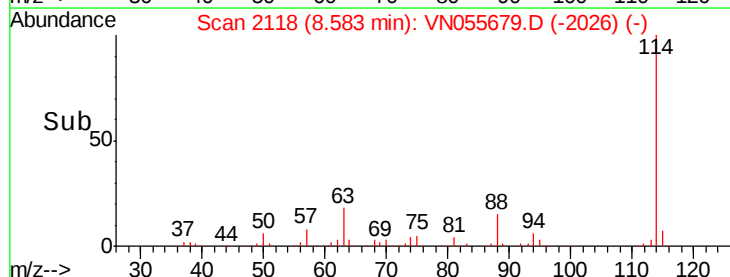
150000

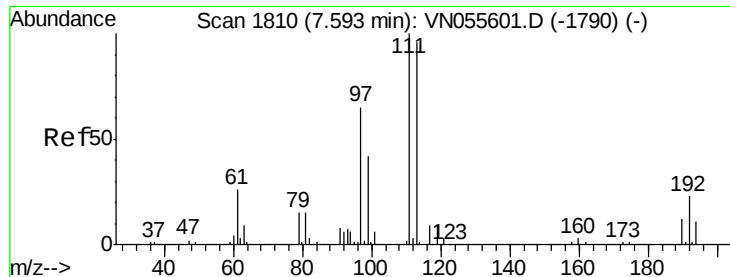
100000

50000

0

Time--> 8.50 8.60 8.70 8.80





#35

Dibromofluoromethane

Concen: 46.946 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055679.D

Acq: 20 May 2019 17:17

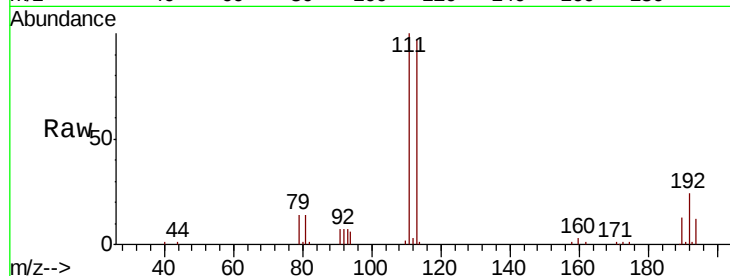
Tgt Ion: 113 Resp: 151698

Ion Ratio Lower Upper

113 100

111 102.5 82.5 123.7

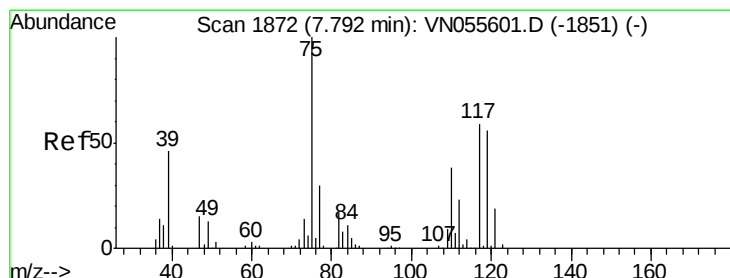
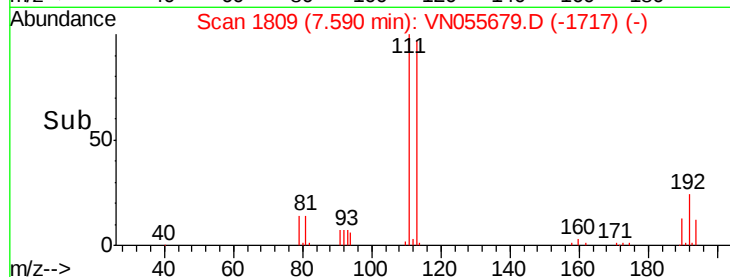
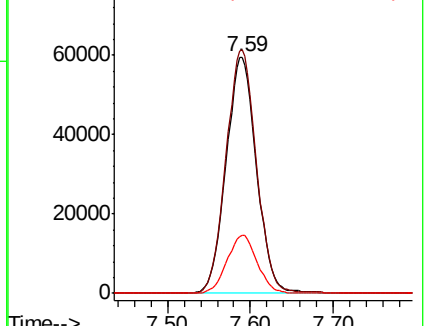
192 24.3 18.7 28.1



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: 4.634 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN055679.D

Acq: 20 May 2019 17:17

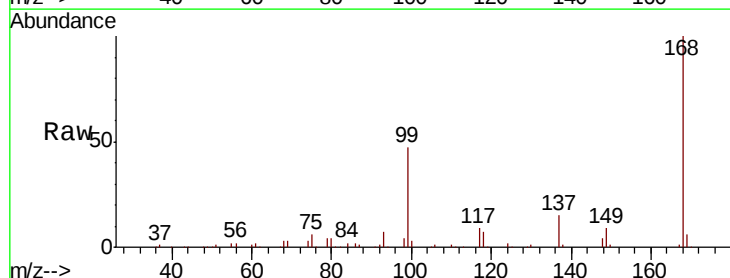
Tgt Ion: 75 Resp: 21015

Ion Ratio Lower Upper

75 100

110 8.4 18.6 55.6#

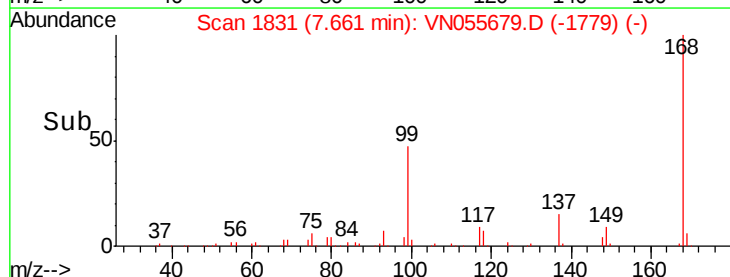
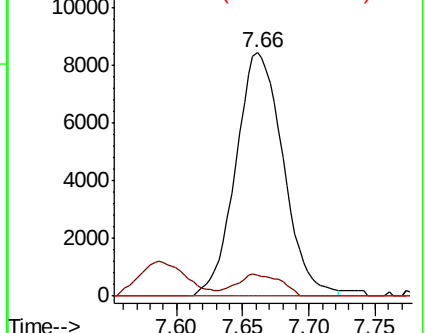
77 0.0 24.9 37.3#

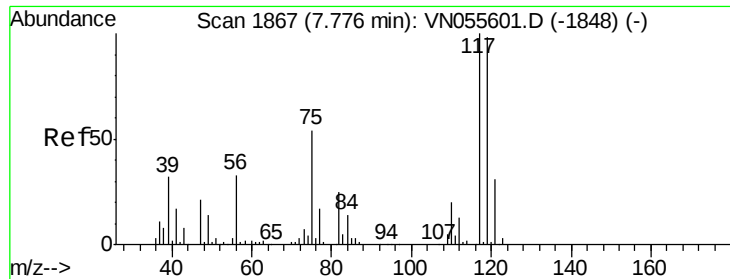


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.926 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055679.D

Acq: 20 May 2019 17:17

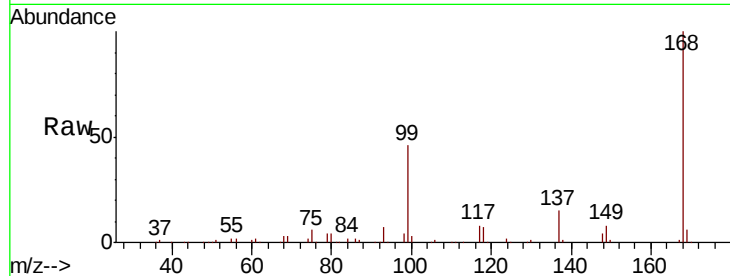
Tgt Ion: 117 Resp: 28720

Ion Ratio Lower Upper

117 100

119 5.1 77.8 116.8#

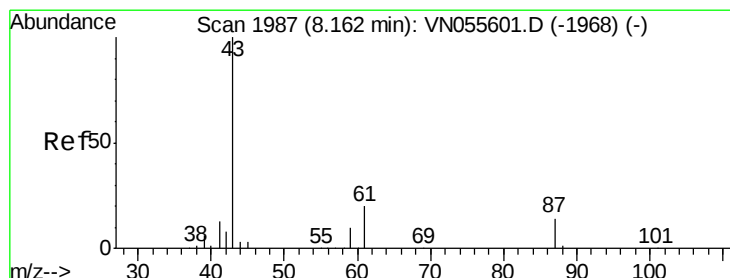
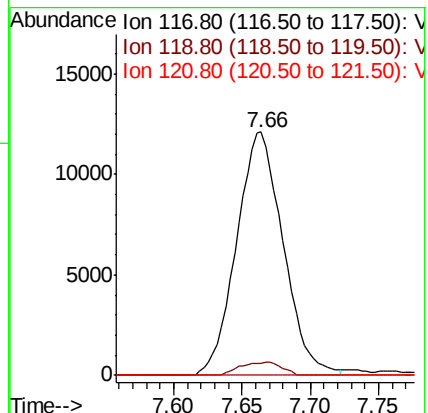
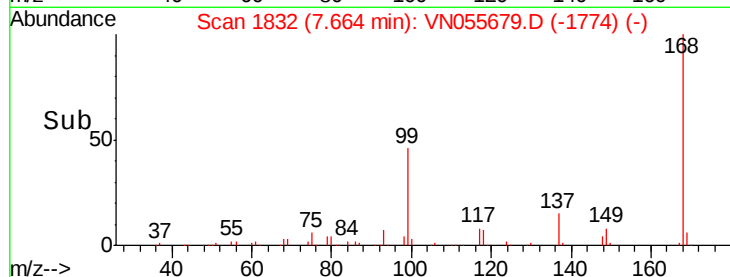
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 1.244 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN055679.D

Acq: 20 May 2019 17:17

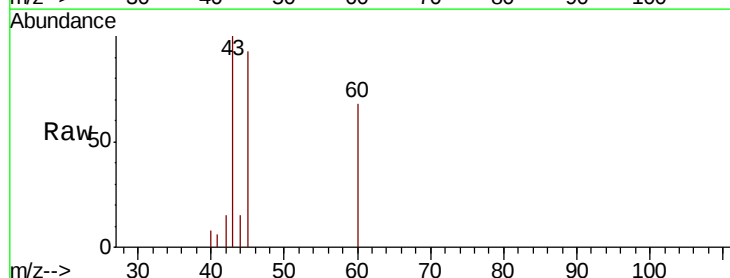
Tgt Ion: 43 Resp: 8854

Ion Ratio Lower Upper

43 100

61 0.0 22.1 33.1#

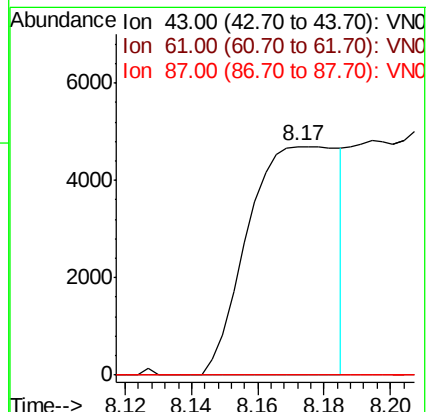
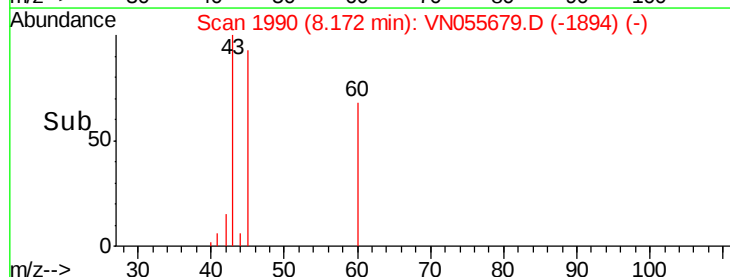
87 0.0 11.8 17.6#

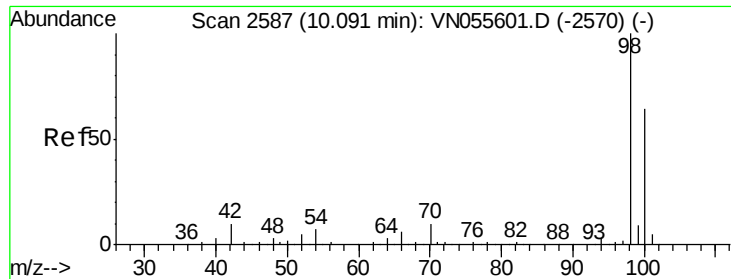


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

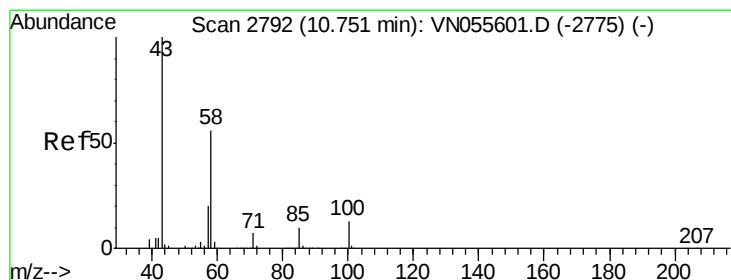
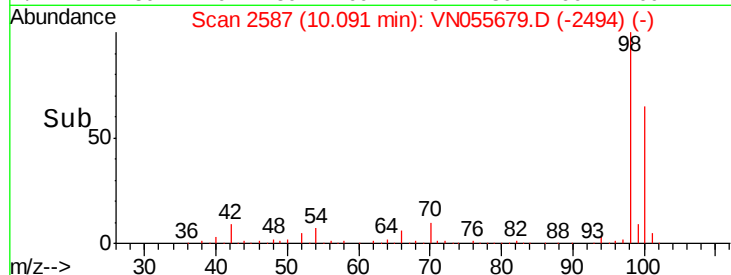
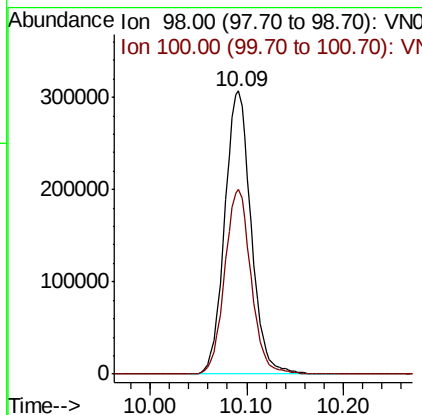
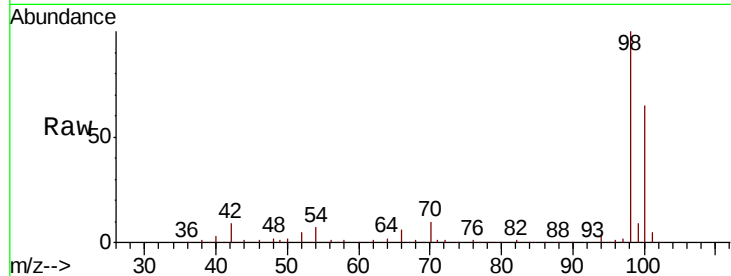
Ion 87.00 (86.70 to 87.70): V





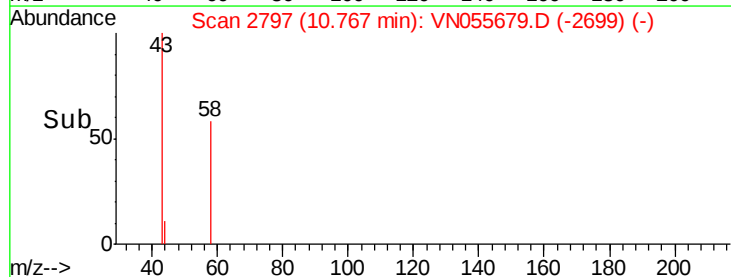
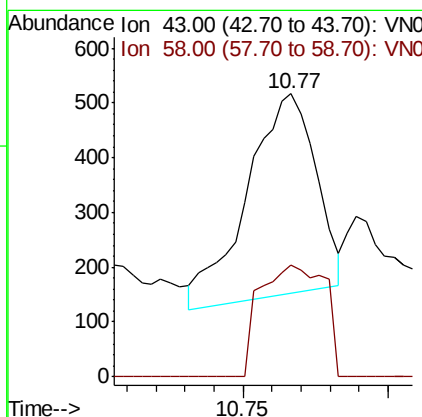
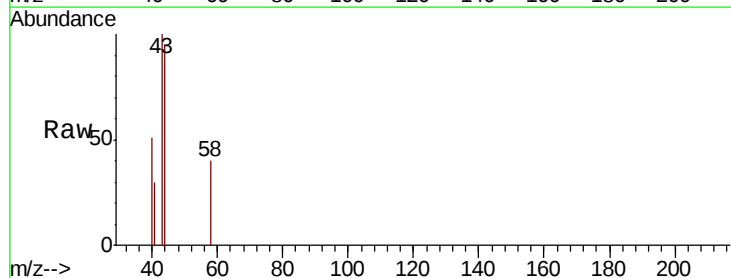
#50  
Toluene-d8  
Concen: 47.507 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN055679.D  
Acq: 20 May 2019 17:17

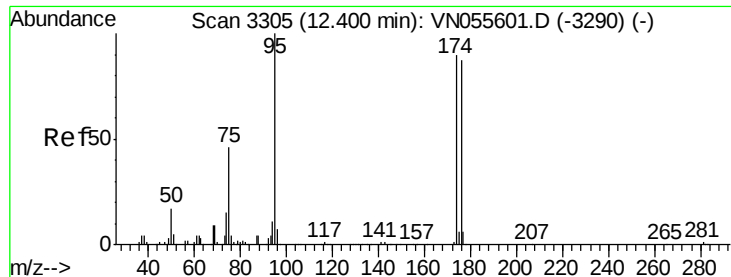
Tgt Ion: 98 Resp: 580455  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.9 77.9



#59  
2-Hexanone  
Concen: 0.206 ug/l  
RT: 10.77 min Scan# 2797  
Delta R.T. 0.02 min  
Lab File: VN055679.D  
Acq: 20 May 2019 17:17

Tgt Ion: 43 Resp: 607  
Ion Ratio Lower Upper  
43 100  
58 51.7 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 44.212 ug/l

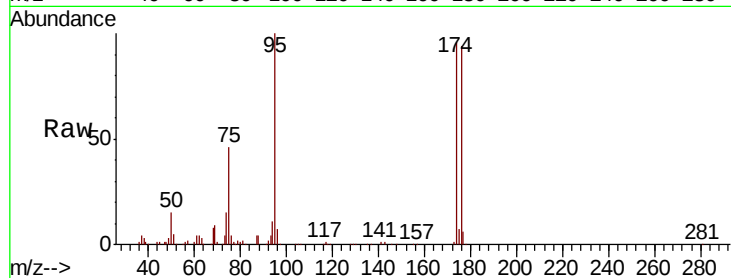
RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055679.D

Acq: 20 May 2019 17:17

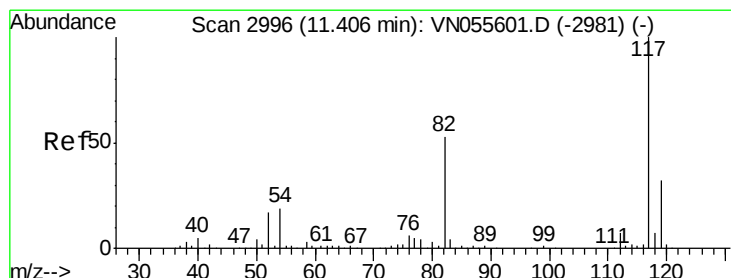
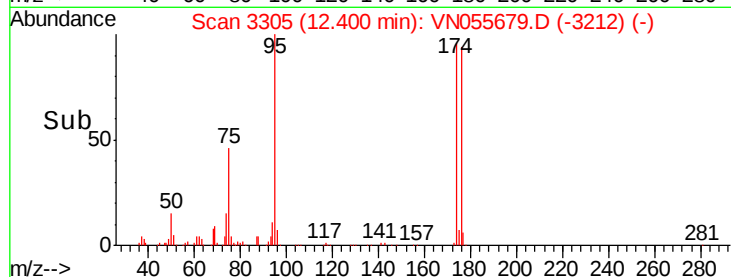
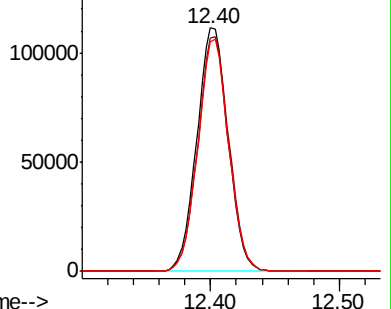
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 186535 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 96.4  | 0.0   | 180.6  |
| 176      | 93.9  | 0.0   | 177.4  |



Abundance Ion 94.90 (94.60 to 95.60): VN055679.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055679.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055679.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

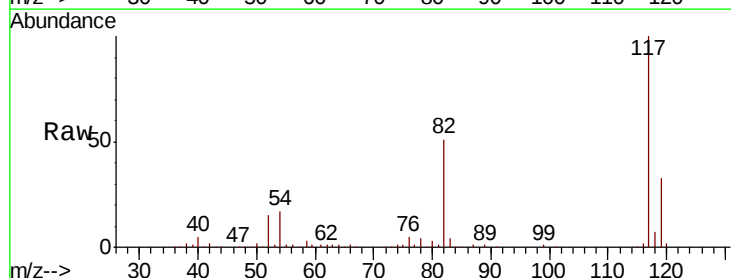
RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055679.D

Acq: 20 May 2019 17:17

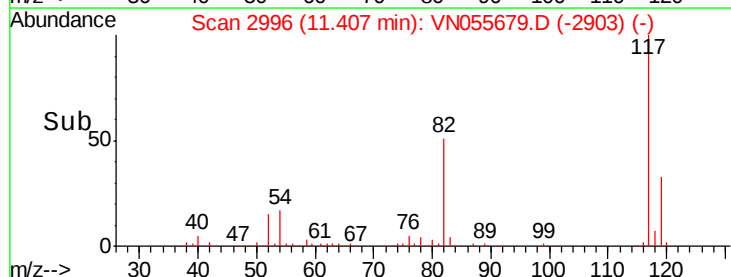
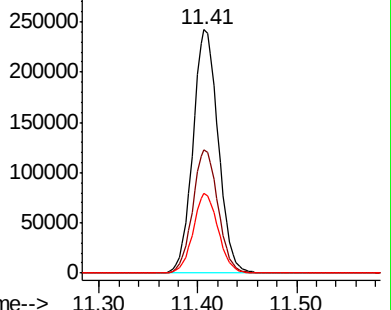
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 432249 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.7  | 42.3  | 63.5   |
| 119      | 32.5  | 25.4  | 38.2   |

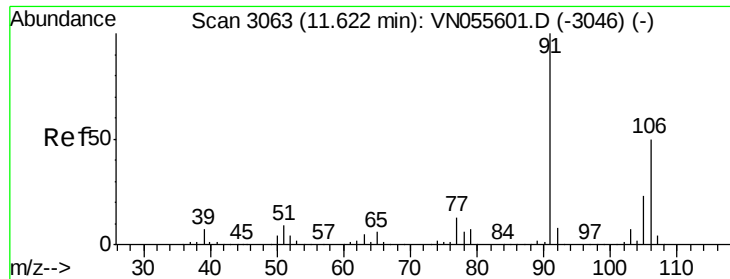


Abundance Ion 116.90 (116.60 to 117.60): VN055679.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055679.D (-2903) (-)

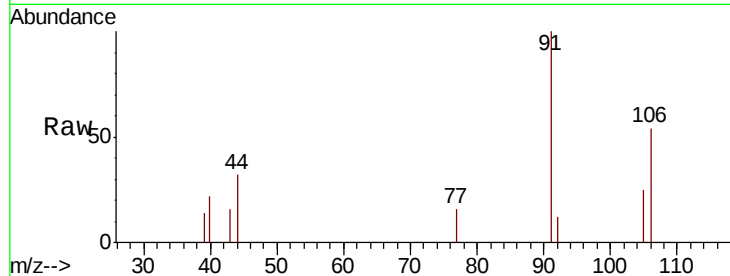
Ion 118.90 (118.60 to 119.60): VN055679.D (-2903) (-)



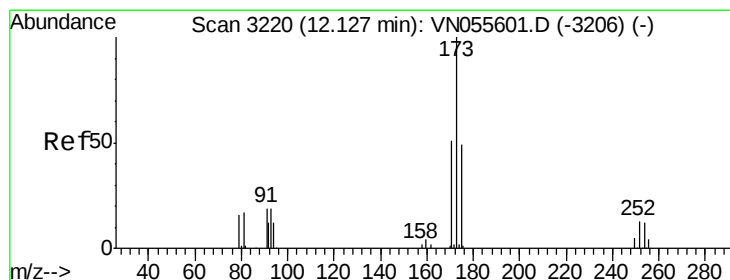
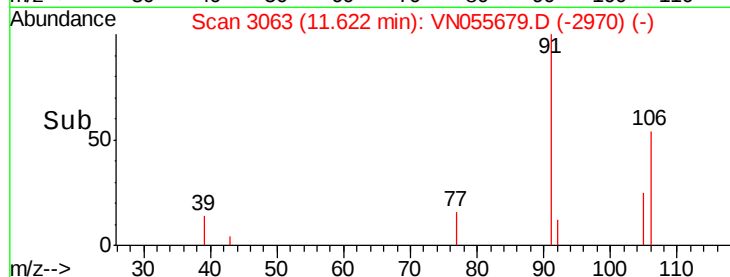
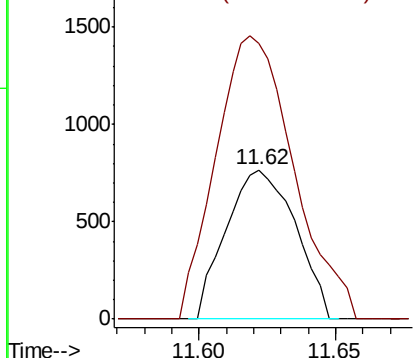


#68  
m/p-Xylenes  
Concen: 0.230 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN055679.D  
Acq: 20 May 2019 17:17

Tgt Ion:106 Resp: 1354  
Ion Ratio Lower Upper  
106 100  
91 212.0 160.5 240.7

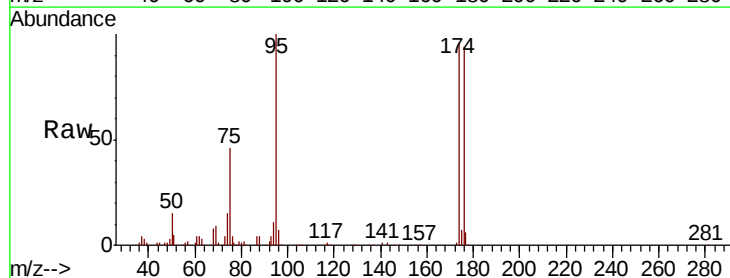


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

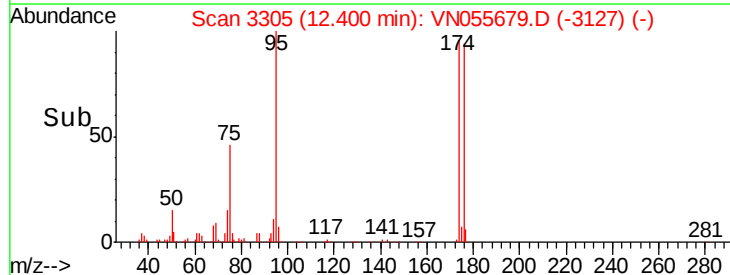
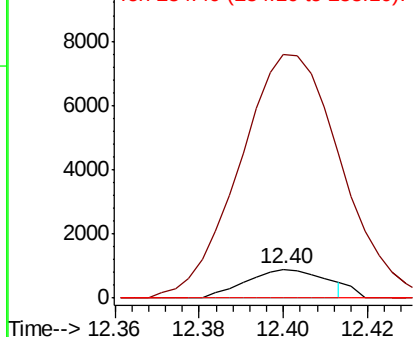


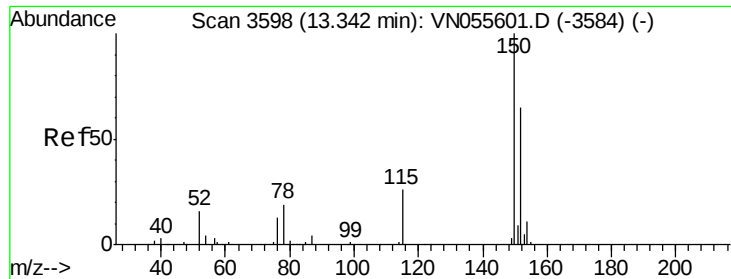
#71  
Bromoform  
Concen: 0.388 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN055679.D  
Acq: 20 May 2019 17:17

Tgt Ion:173 Resp: 1156  
Ion Ratio Lower Upper  
173 100  
175 961.9 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

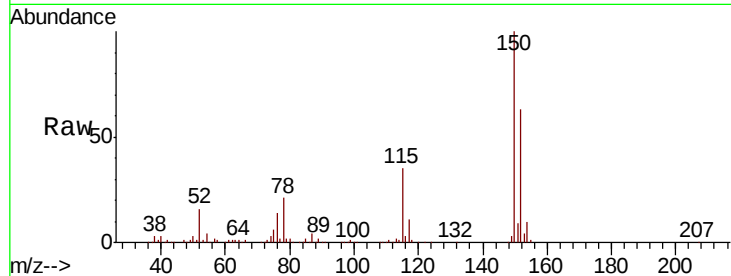




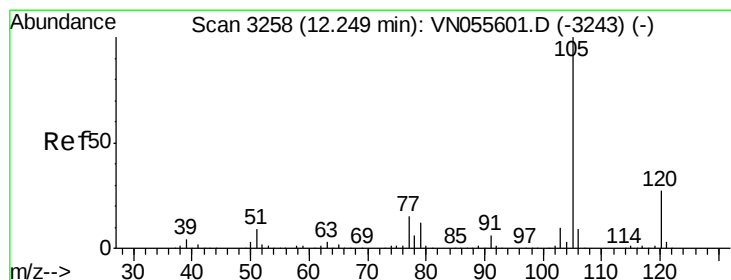
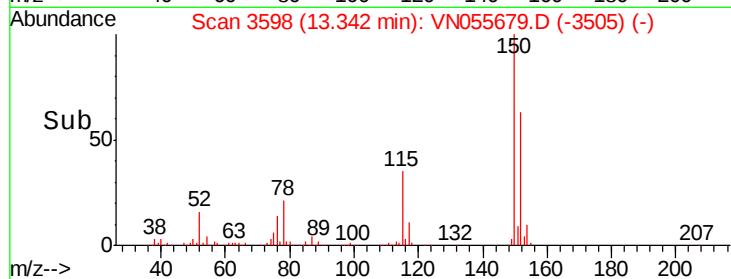
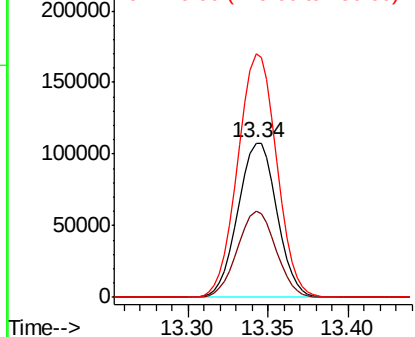
#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055679.D  
Acq: 20 May 2019 17:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.3  | 28.1  | 84.2  |
| 150     | 157.4 | 0.0   | 348.0 |



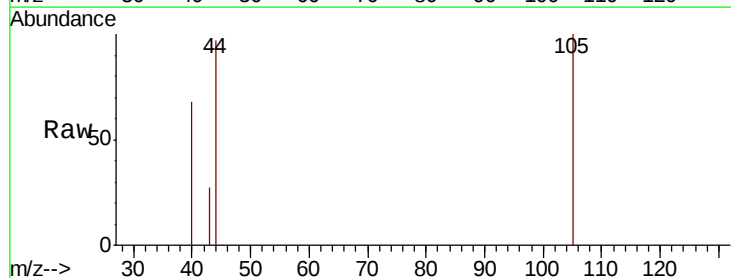
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



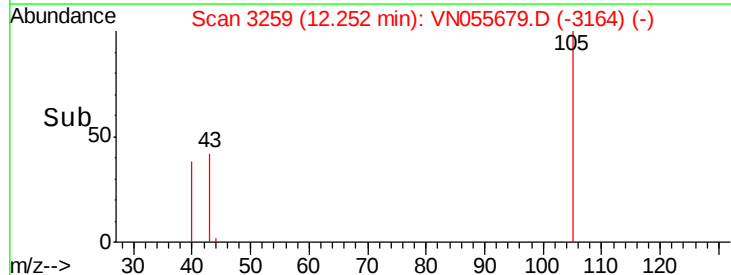
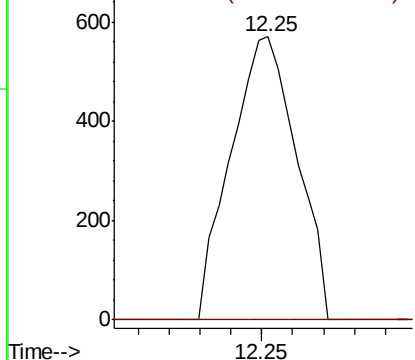
#73

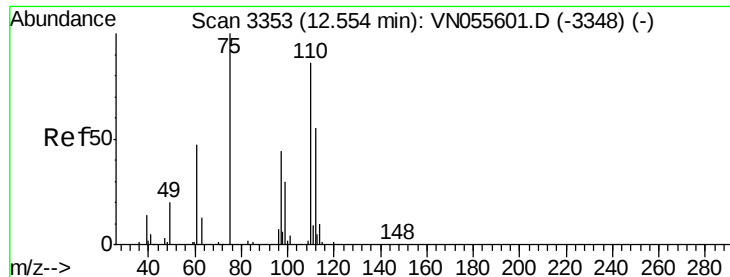
Isopropylbenzene  
Concen: Below Cal  
RT: 12.25 min Scan# 3259  
Delta R.T. 0.00 min  
Lab File: VN055679.D  
Acq: 20 May 2019 17:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 0.0   | 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: 23.346 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055679.D

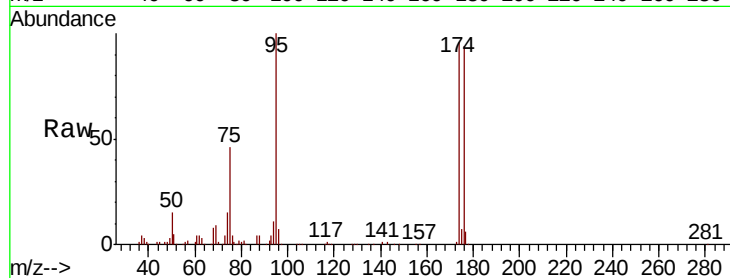
Acq: 20 May 2019 17:17

Tgt Ion: 75 Resp: 85250

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

60000

50000

40000

30000

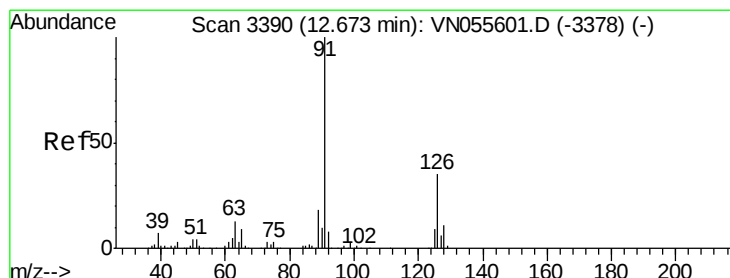
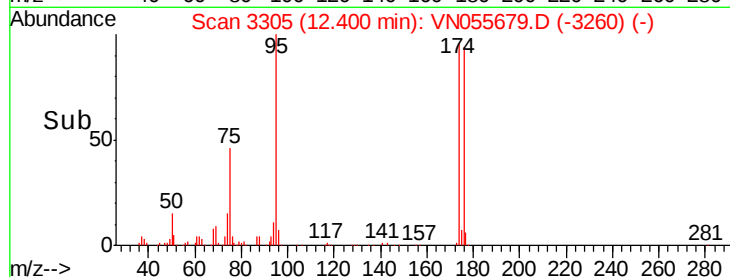
20000

10000

0

12.35 12.40 12.45

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3422

Delta R.T. 0.10 min

Lab File: VN055679.D

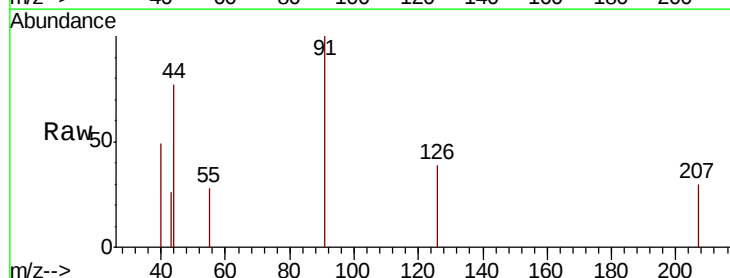
Acq: 20 May 2019 17:17

Tgt Ion: 91 Resp: 965

Ion Ratio Lower Upper

91 100

126 23.7 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

600

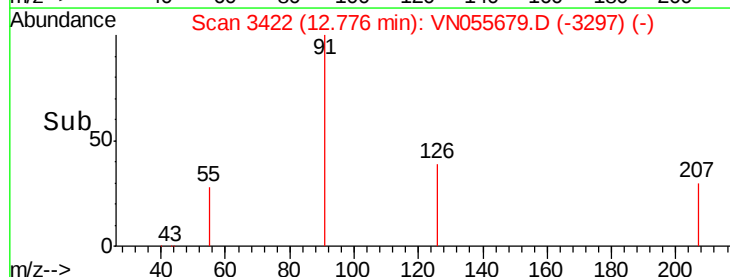
400

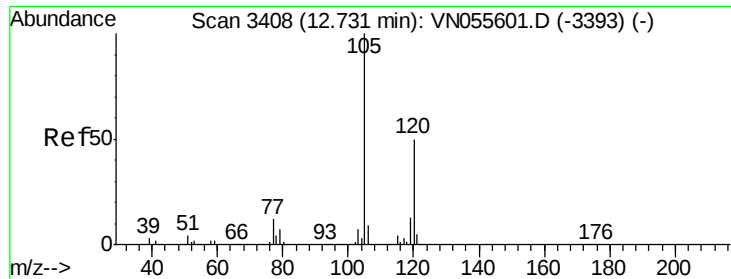
200

0

12.75 12.80

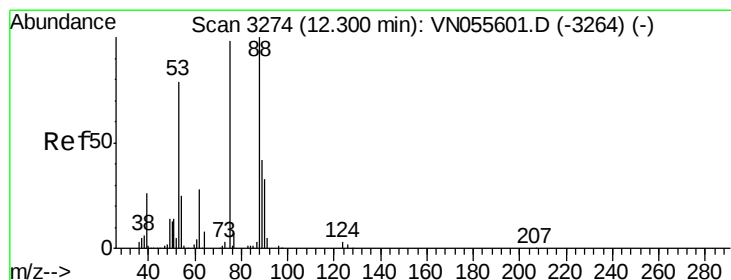
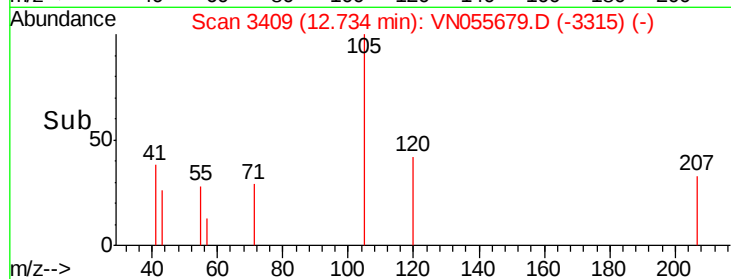
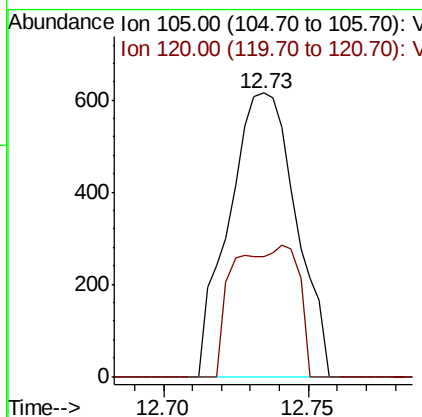
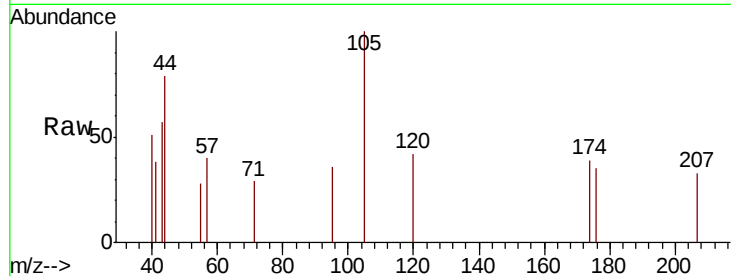
Time-->





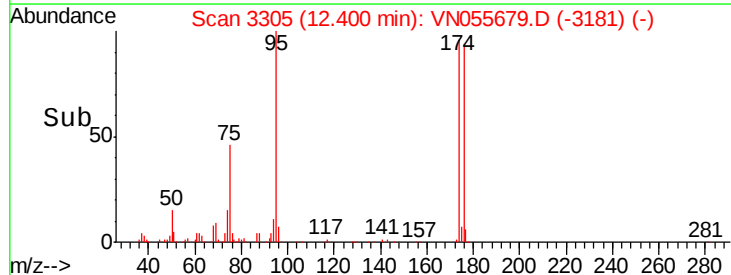
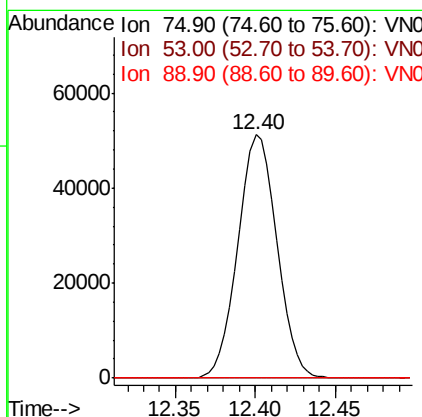
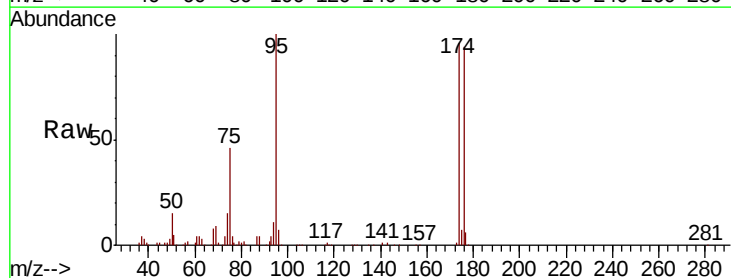
#80  
 1,3,5-Trimethylbenzene  
 Concen: Below Cal  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN055679.D  
 Acq: 20 May 2019 17:17

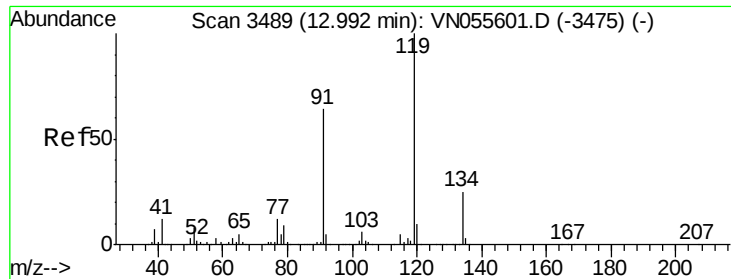
Tgt Ion: 105 Resp: 988  
 Ion Ratio Lower Upper  
 105 100  
 120 44.6 24.6 74.0



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 60.013 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN055679.D  
 Acq: 20 May 2019 17:17

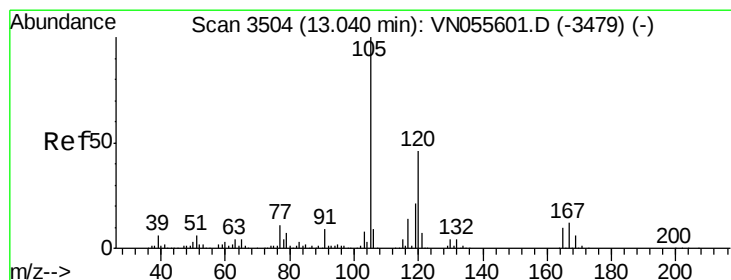
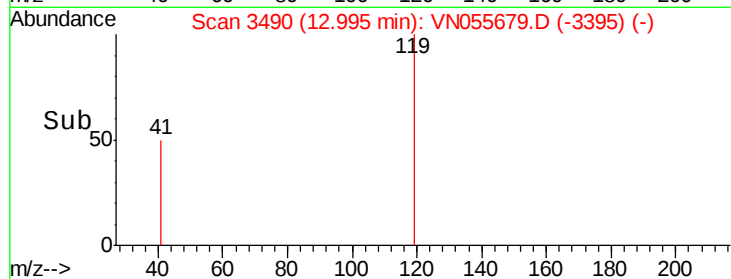
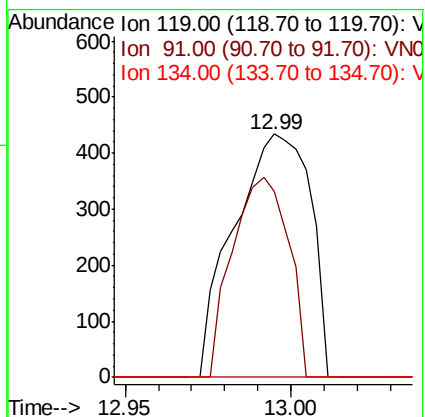
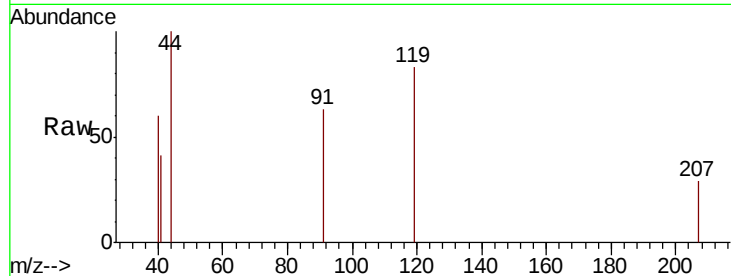
Tgt Ion: 75 Resp: 85250  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 65.1 97.7#  
 89 0.0 36.4 54.6#





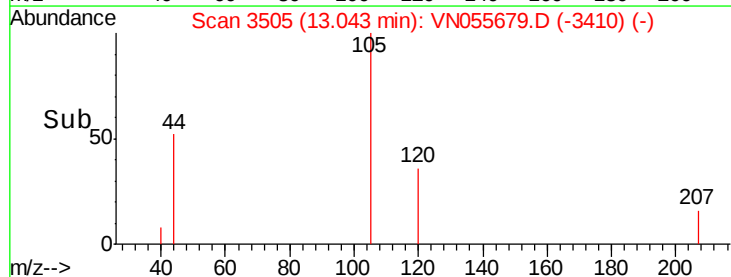
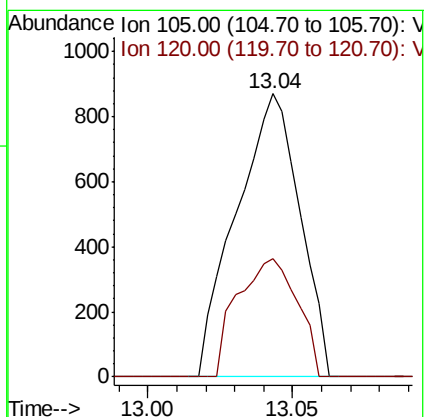
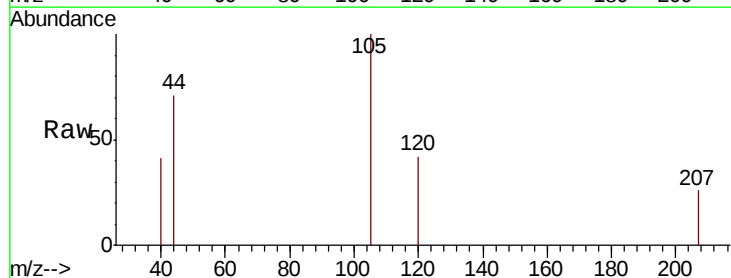
#83  
 tert-Butylbenzene  
 Concen: Below Cal  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN055679.D  
 Acq: 20 May 2019 17:17

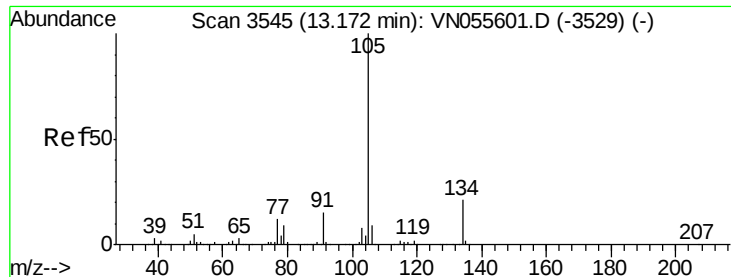
Tgt Ion:119 Resp: 694  
 Ion Ratio Lower Upper  
 119 100  
 91 60.1 31.3 93.8  
 134 0.0 13.2 39.6#



#84  
 1,2,4-Trimethylbenzene  
 Concen: Below Cal  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.00 min  
 Lab File: VN055679.D  
 Acq: 20 May 2019 17:17

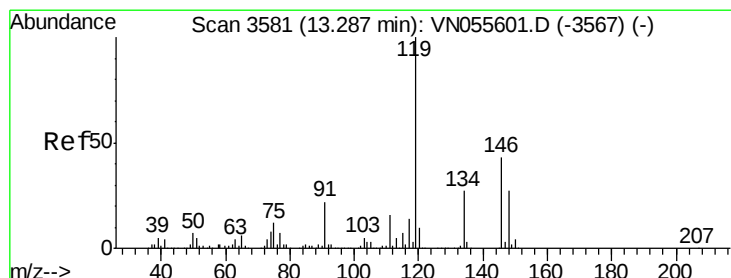
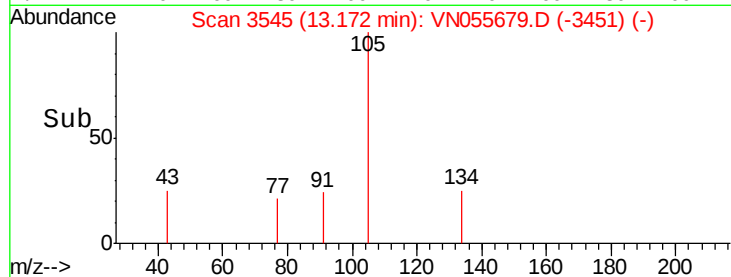
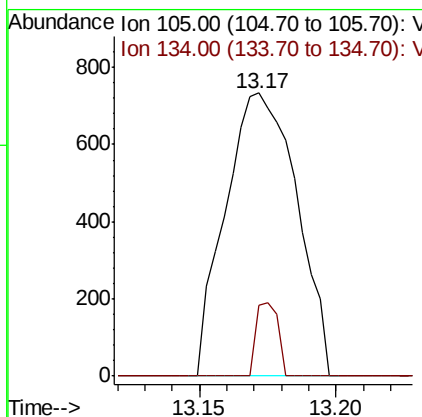
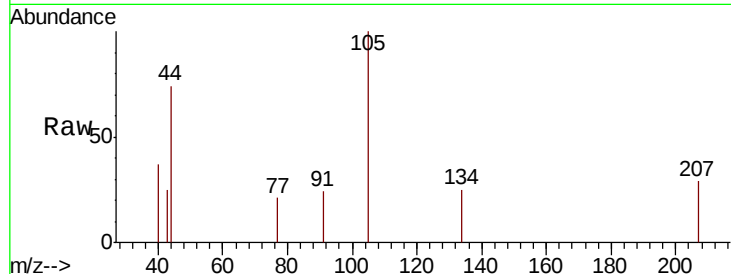
Tgt Ion:105 Resp: 1324  
 Ion Ratio Lower Upper  
 105 100  
 120 39.4 23.1 69.2





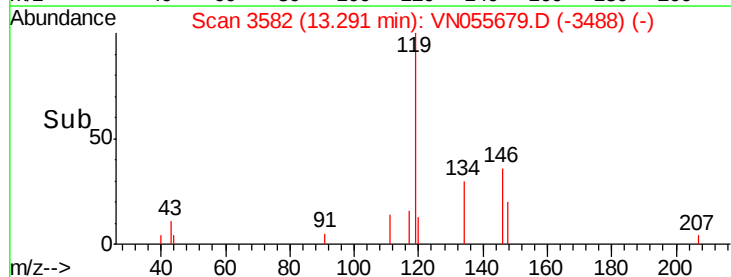
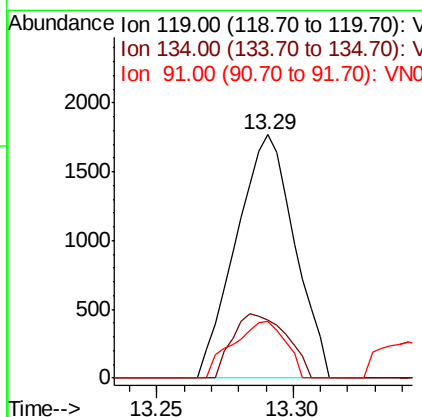
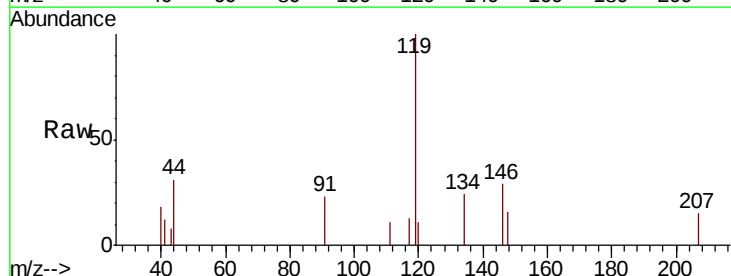
#85  
 sec-Butylbenzene  
 Concen: Below Cal  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN055679.D  
 Acq: 20 May 2019 17:17

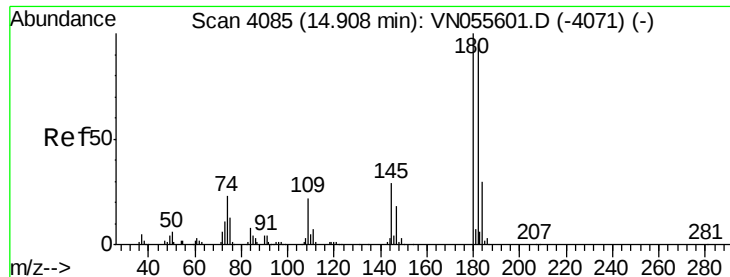
Tgt Ion: 105 Resp: 1333  
 Ion Ratio Lower Upper  
 105 100  
 134 7.7 10.3 30.9#



#86  
 p-Isopropyltoluene  
 Concen: Below Cal  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN055679.D  
 Acq: 20 May 2019 17:17

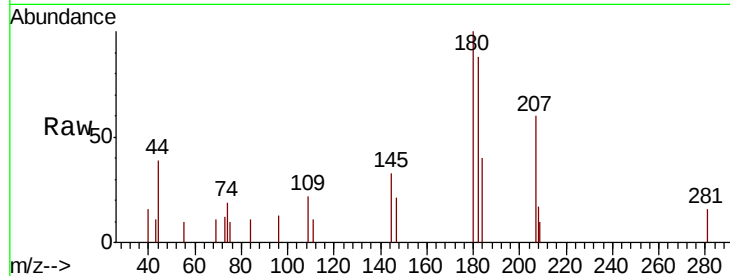
Tgt Ion: 119 Resp: 2631  
 Ion Ratio Lower Upper  
 119 100  
 134 24.6 13.4 40.2  
 91 21.0 11.0 33.0



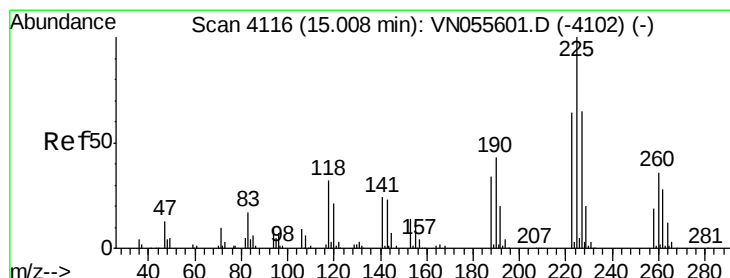
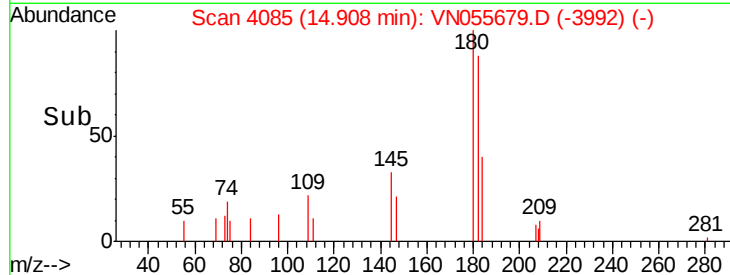
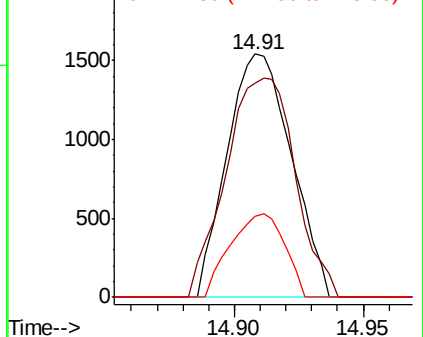


#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.870 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055679.D  
 Acq: 20 May 2019 17:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 2682  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 97.2  | 47.9  | 143.6 |
| 145      | 28.9  | 14.3  | 42.9  |

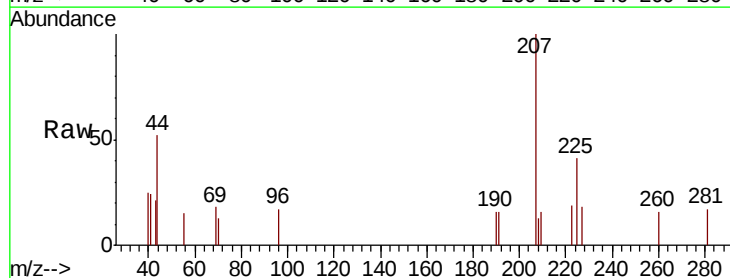


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

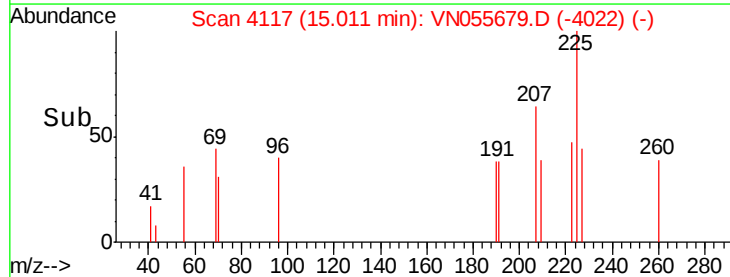
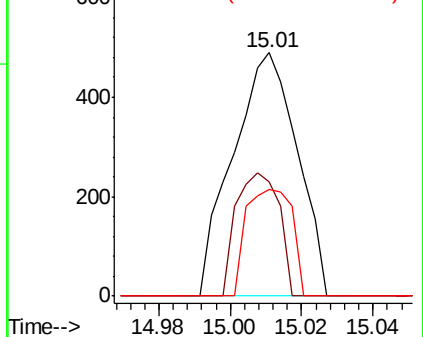


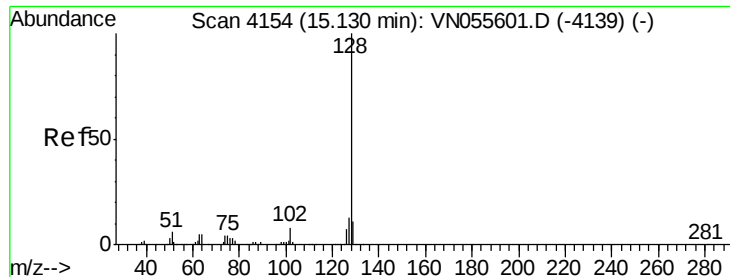
#94  
 Hexachlorobutadiene  
 Concen: Below Cal  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN055679.D  
 Acq: 20 May 2019 17:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 610   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 33.6  | 31.6  | 94.7  |
| 227      | 31.3  | 32.4  | 97.0# |



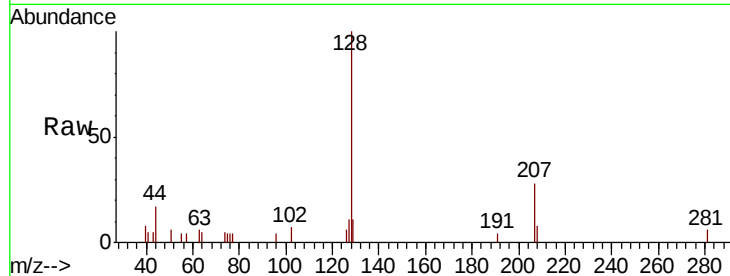
Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V



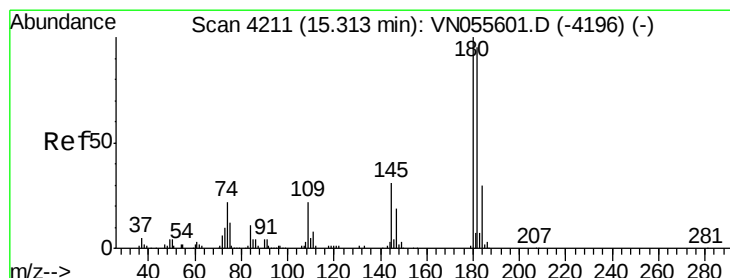
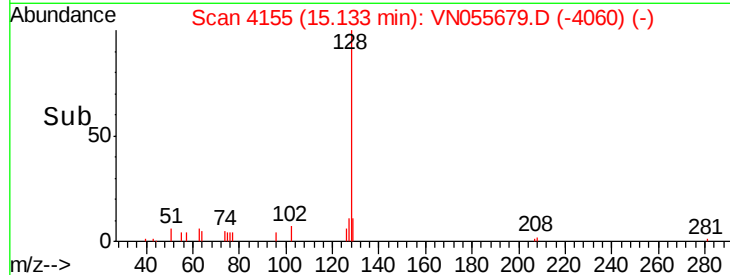
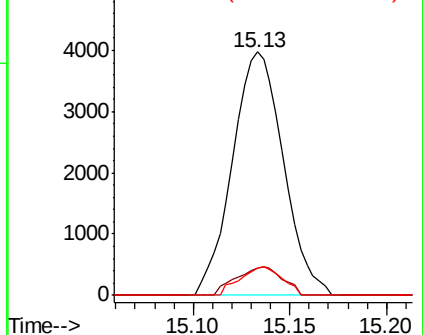


#95  
Naphthalene  
Concen: 2.517 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN055679.D  
Acq: 20 May 2019 17:17

Tgt Ion:128 Resp: 7264  
Ion Ratio Lower Upper  
128 100  
127 10.7 10.2 15.4  
129 9.6 8.6 12.8

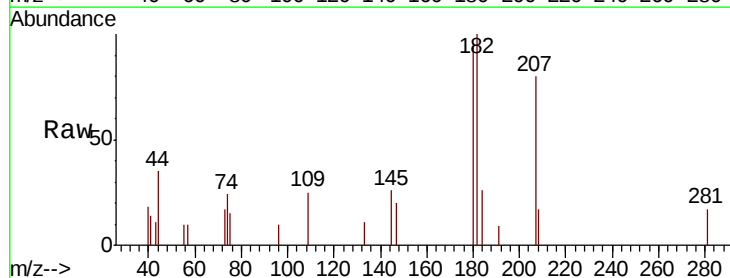


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 0.946 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN055679.D  
Acq: 20 May 2019 17:17

Tgt Ion:180 Resp: 3049  
Ion Ratio Lower Upper  
180 100  
182 99.8 47.9 143.6  
145 30.6 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

