

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\  
 Data File : VN061072.D  
 Acq On : 18 Apr 2020 00:05  
 Operator : JC/MD  
 Sample : L2338-09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-FB01-20200414

Quant Time: Apr 20 01:39:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 17 03:49:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 148807   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 251667   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 237984   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 104240   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 102227   | 53.69  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 107.38% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 76703    | 52.19  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 104.38% |          |
| 50) Toluene-d8              | 10.08 | 98   | 314400   | 56.61  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 113.22% |          |
| 62) 4-Bromofluorobenzene    | 12.39 | 95   | 116523   | 53.53  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 107.06% |          |

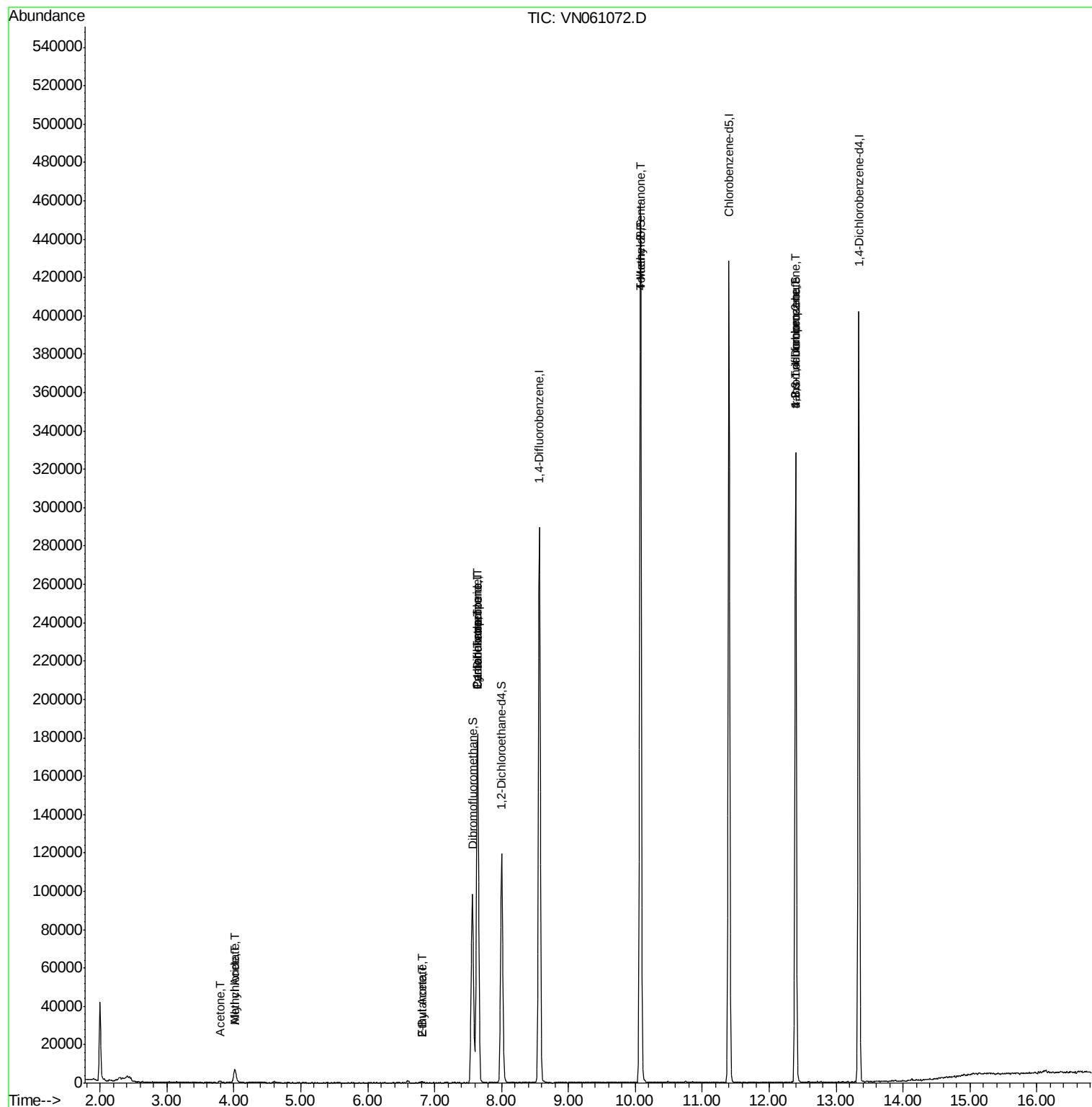
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 14) Allyl chloride             | 4.01  | 41   | 810      | 0.263  | ug/l # | 27     |
| 16) Acetone                    | 3.79  | 43   | 1986     | 2.370  | ug/l   | 92     |
| 18) Methyl Acetate             | 4.01  | 43   | 2707     | 1.030  | ug/l # | 54     |
| 25) 2-Butanone                 | 6.81  | 43   | 721      | 0.561  | ug/l # | 51     |
| 31) Cyclohexane                | 7.64  | 56   | 3315     | 0.935  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.64  | 75   | 11947    | 4.600  | ug/l # | 49     |
| 37) Ethyl Acetate              | 6.81  | 43   | 721      | 0.256  | ug/l # | 69     |
| 38) Carbon Tetrachloride       | 7.64  | 117  | 14658    | 6.781  | ug/l # | 15     |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 1517     | 0.574  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.39 | 75   | 59766    | 26.066 | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.39 | 75   | 59766    | 64.294 | ug/l # | 12     |

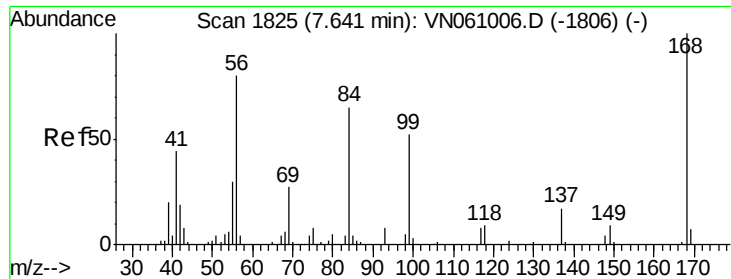
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041720\  
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Sample : L2338-09  
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ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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BP-FB01-20200414

Quant Time: Apr 20 01:39:38 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 17 03:49:39 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061072.D

Acq: 18 Apr 2020 00:05

Instrument :

MSVOA\_N

ClientSampleId :

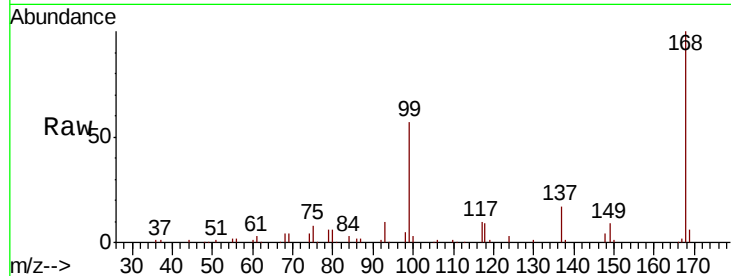
BP-FB01-20200414

Tot Ion:168 Resp: 148807

Ion Ratio Lower Upper

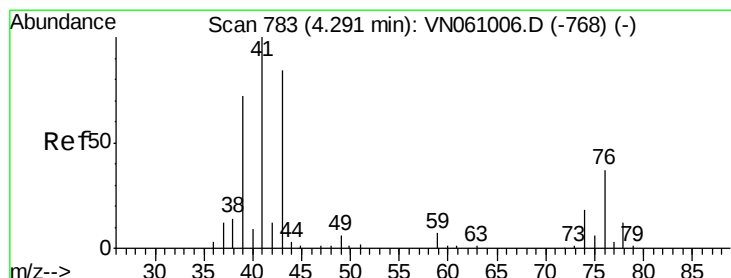
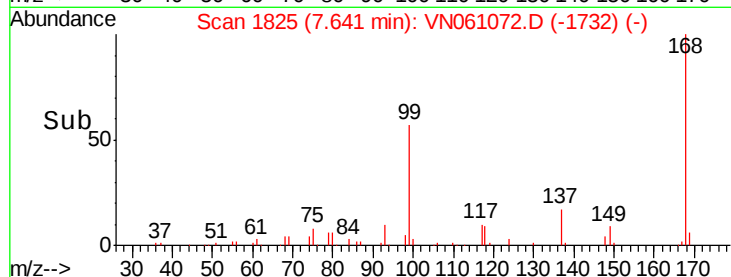
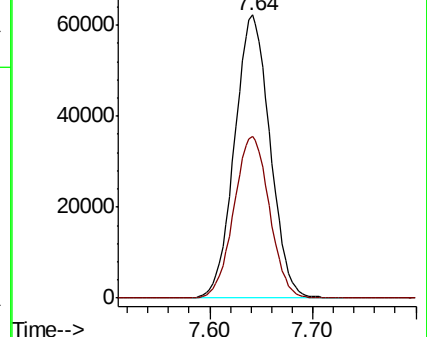
168 100

99 57.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): VN061006.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-1806) (-)



#14

Allyl chloride

Concen: 0.263 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.28 min

Lab File: VN061072.D

Acq: 18 Apr 2020 00:05

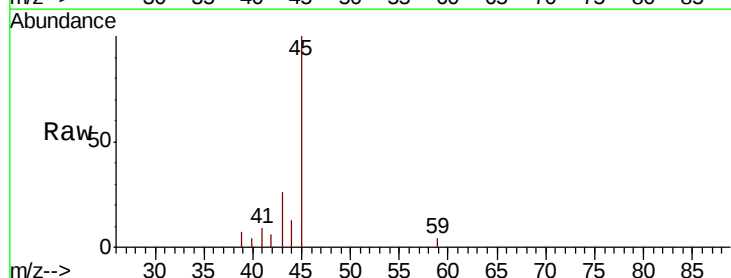
Tgt Ion: 41 Resp: 810

Ion Ratio Lower Upper

41 100

39 4.8 56.3 84.5#

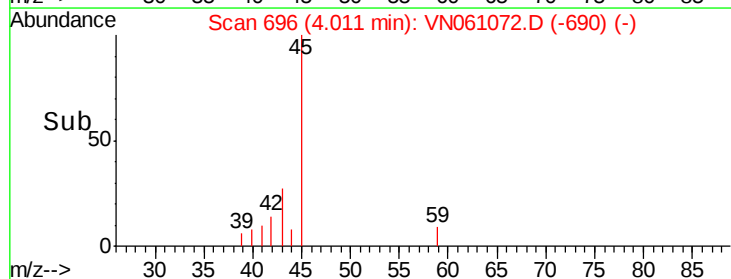
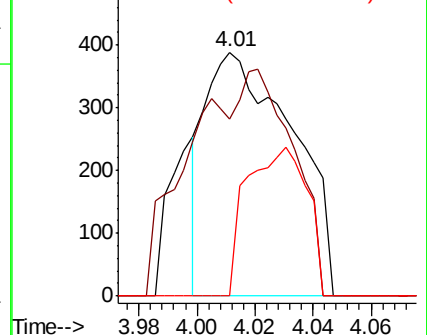
76 0.0 27.7 41.5#

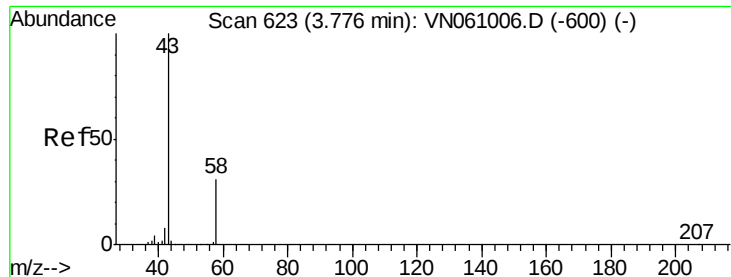


Abundance Ion 41.00 (40.70 to 41.70): VN061006.D (-768) (-)

Ion 39.00 (38.70 to 39.70): VN061006.D (-768) (-)

Ion 75.90 (75.60 to 76.60): VN061006.D (-768) (-)





#16

Acetone

Concen: 2.370 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061072.D

Acq: 18 Apr 2020 00:05

Instrument :

MSVOA\_N

ClientSampleId :

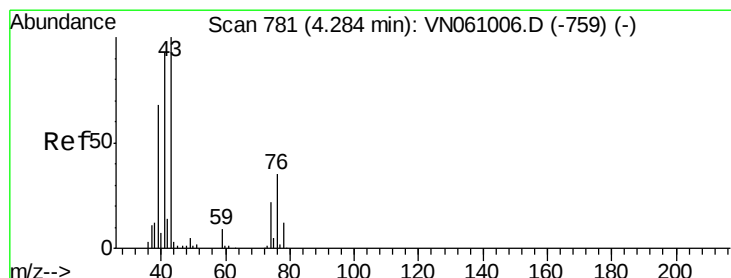
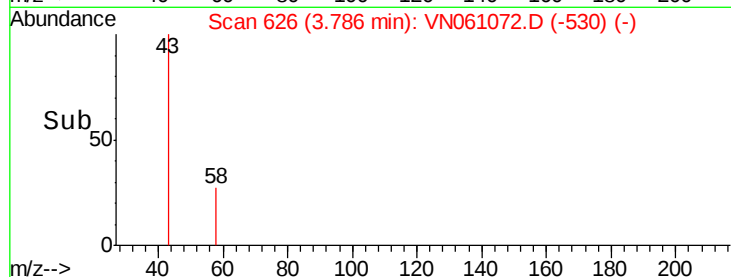
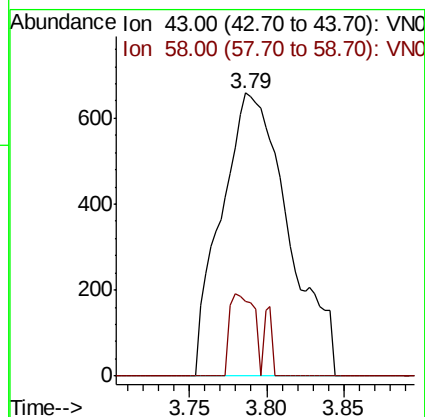
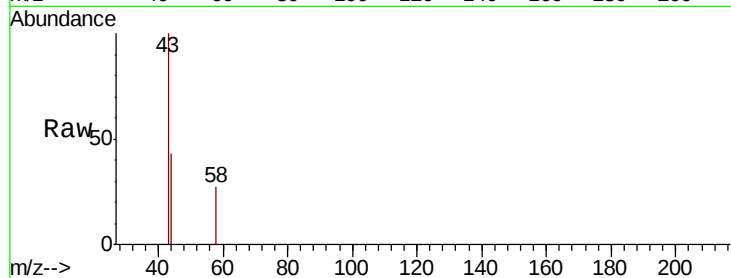
BP-FB01-20200414

Tot Ion: 43 Resp: 1986

Ion Ratio Lower Upper

43 100

58 26.6 24.6 37.0



#18

Methyl Acetate

Concen: 1.030 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.28 min

Lab File: VN061072.D

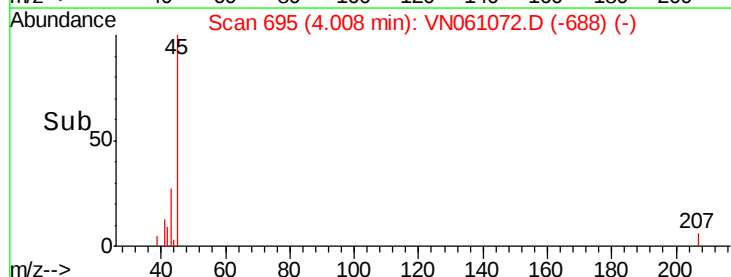
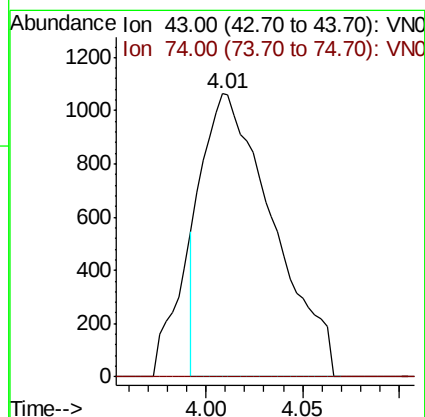
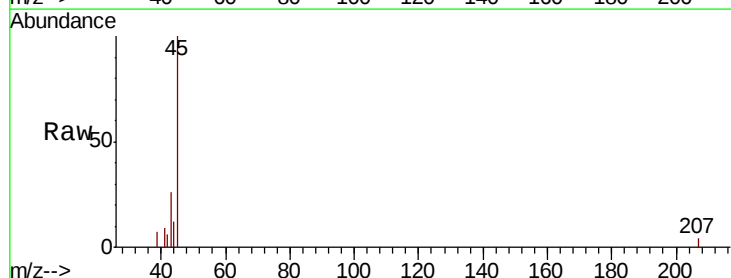
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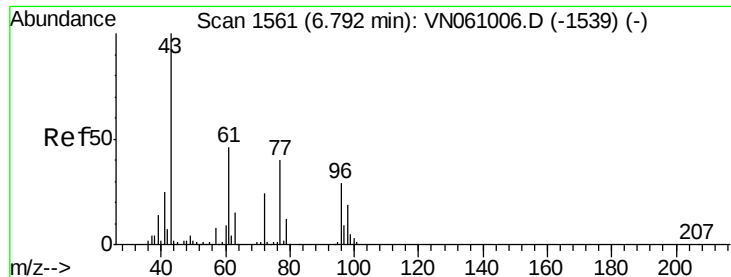
Tgt Ion: 43 Resp: 2707

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#

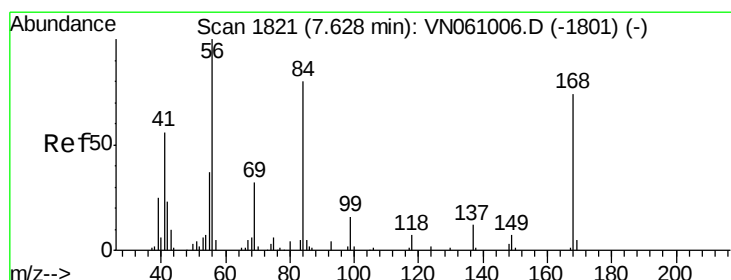
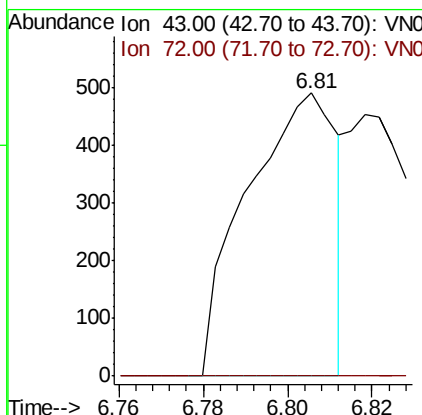
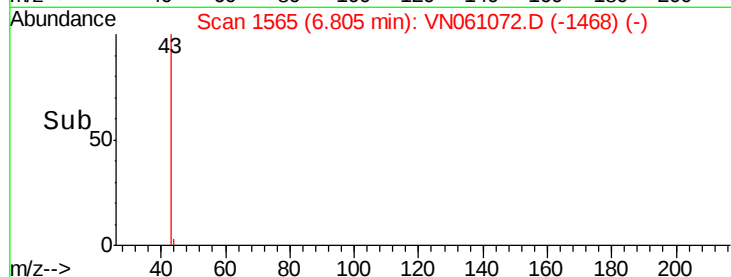
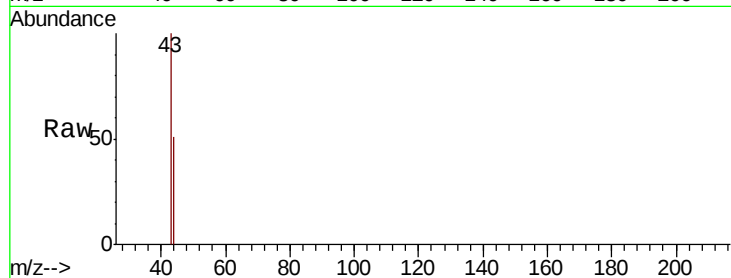




#25  
2-Butanone  
Concen: 0.561 ug/l  
RT: 6.81 min Scan# 1565  
Delta R.T. 0.01 min  
Lab File: VN061072.D  
Acq: 18 Apr 2020 00:05

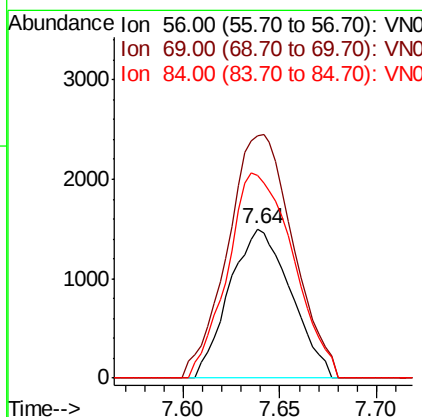
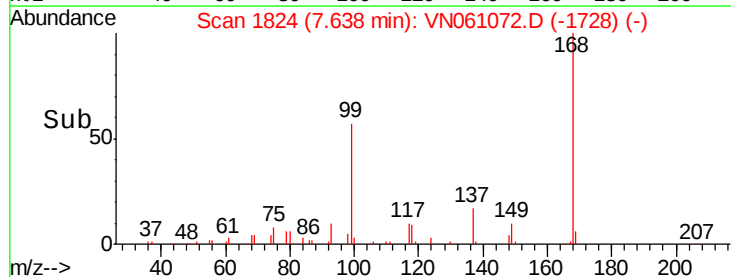
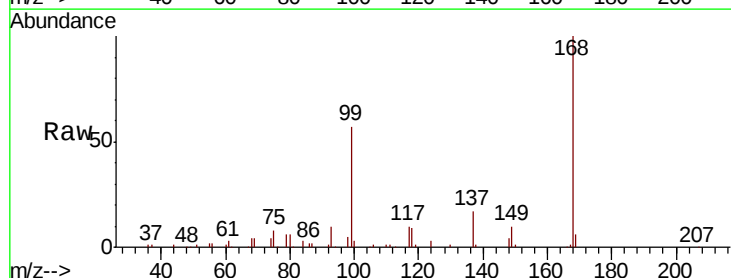
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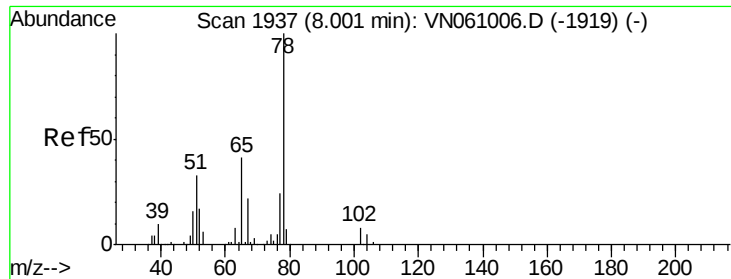
Tot Ion: 43 Resp: 721  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.6 29.4#



#31  
Cyclohexane  
Concen: 0.935 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.01 min  
Lab File: VN061072.D  
Acq: 18 Apr 2020 00:05

Tgt Ion: 56 Resp: 3315  
Ion Ratio Lower Upper  
56 100  
69 162.1 25.6 38.4#  
84 136.0 63.4 95.2#

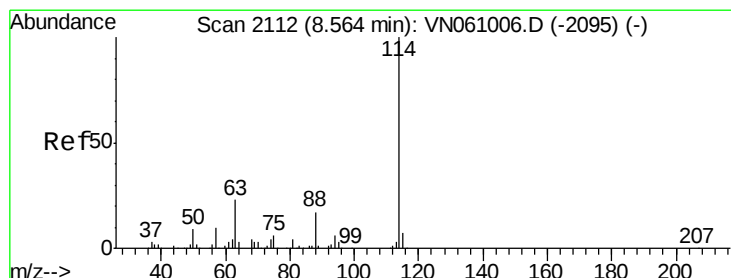
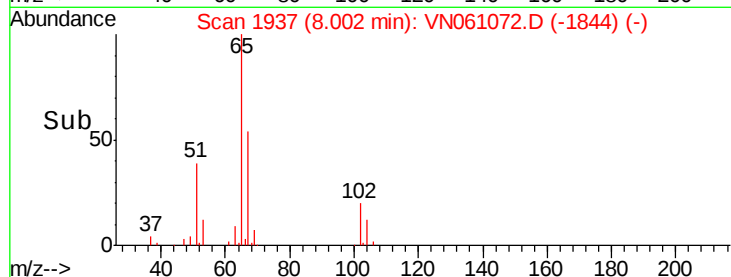
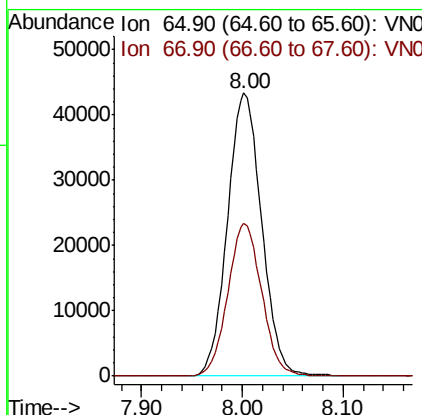
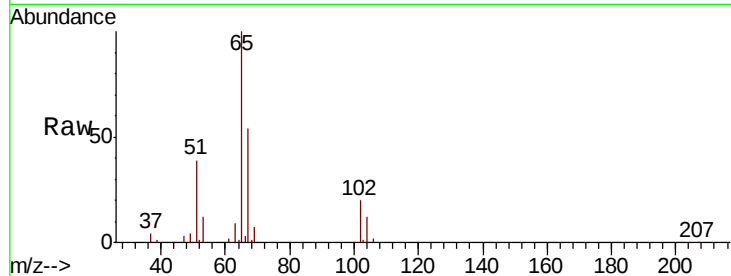




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.694 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VN061072.D  
 Acq: 18 Apr 2020 00:05

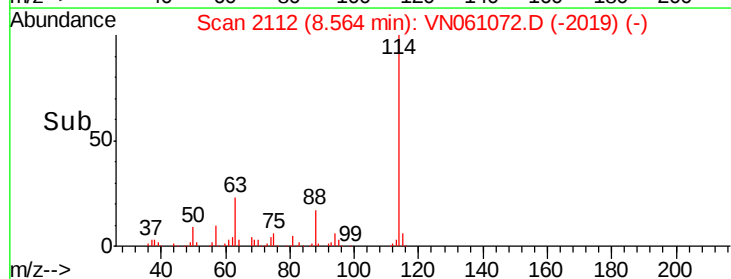
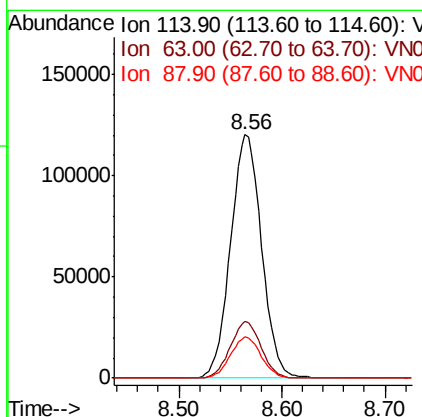
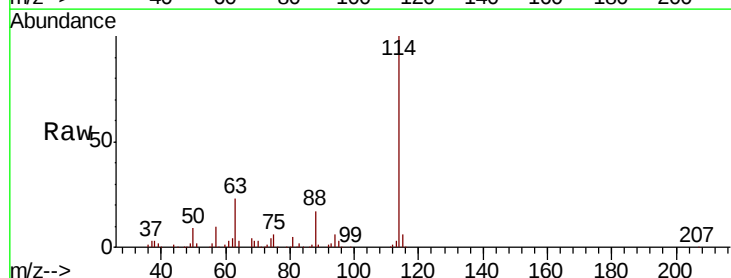
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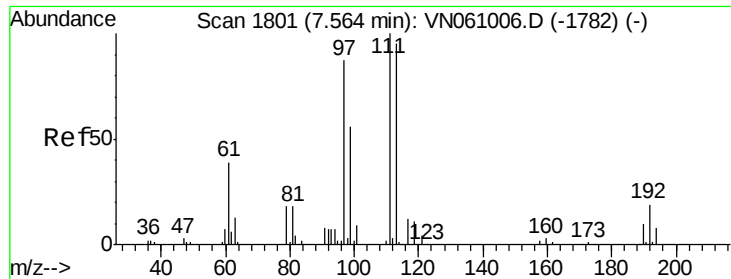
Tot Ion: 65 Resp: 102227  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 107.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. 0.00 min  
 Lab File: VN061072.D  
 Acq: 18 Apr 2020 00:05

Tgt Ion: 114 Resp: 251667  
 Ion Ratio Lower Upper  
 114 100  
 63 23.1 0.0 46.2  
 88 16.8 0.0 33.4

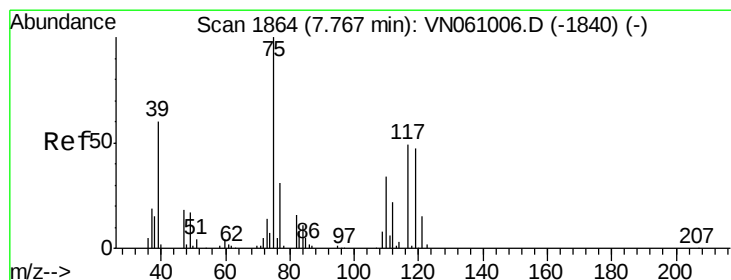
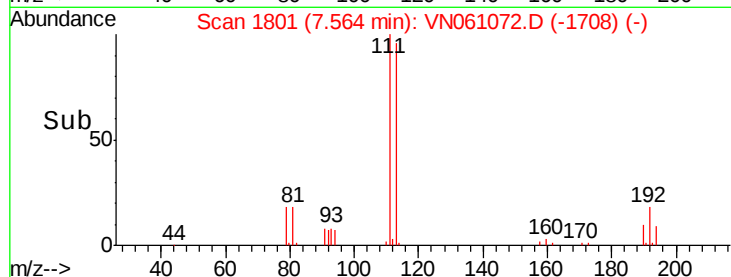
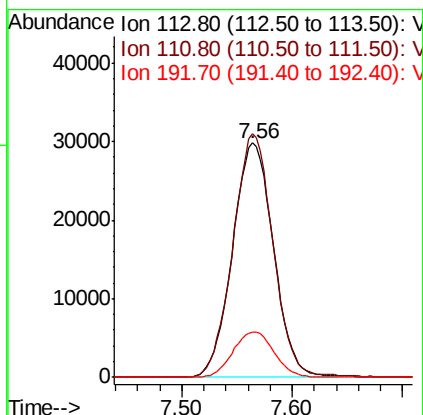
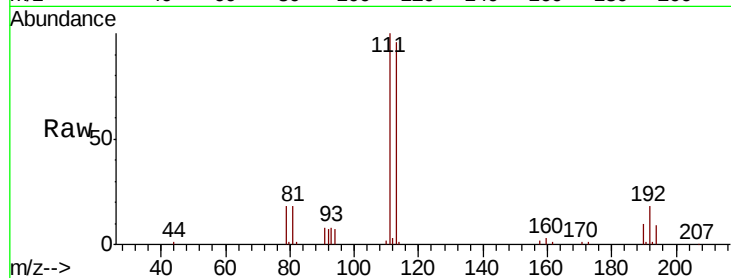




#35  
 Dibromofluoromethane  
 Concen: 52.189 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: VN061072.D  
 Acq: 18 Apr 2020 00:05

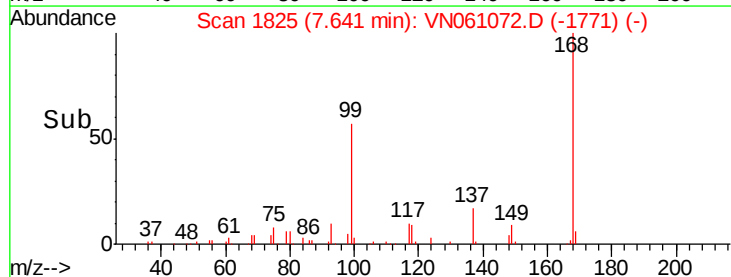
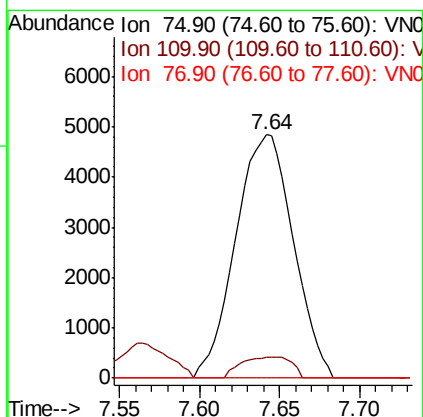
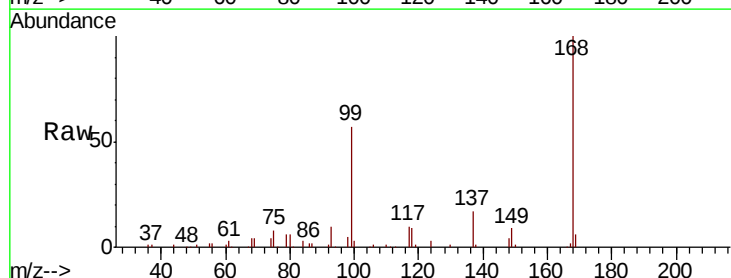
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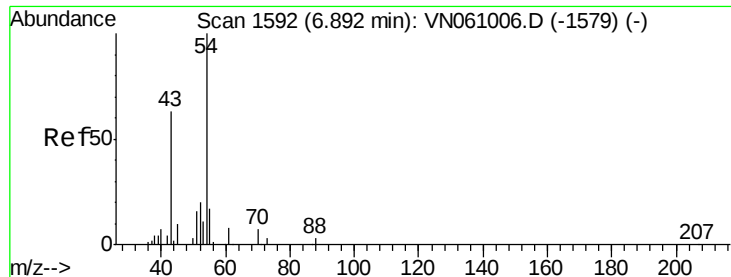
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.2 | 83.4  | 125.2 |
| 192     | 19.3  | 15.5  | 23.3  |



#36  
 1,1-Dichloropropene  
 Concen: 4.600 ug/l  
 RT: 7.64 min Scan# 1825  
 Delta R.T. -0.13 min  
 Lab File: VN061072.D  
 Acq: 18 Apr 2020 00:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 7.7   | 16.8  | 50.3# |
| 77      | 0.0   | 24.7  | 37.1# |

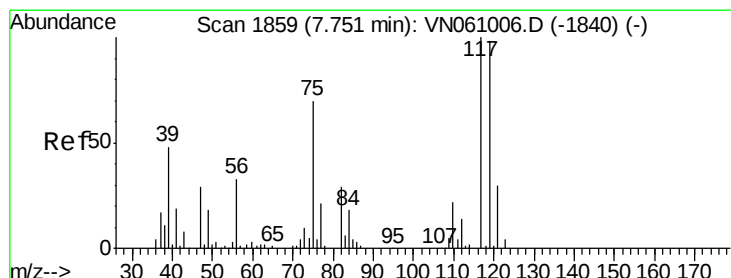
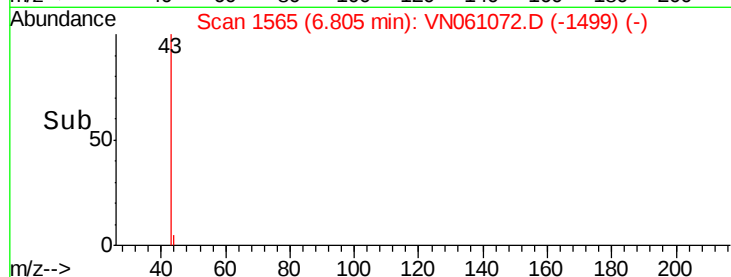
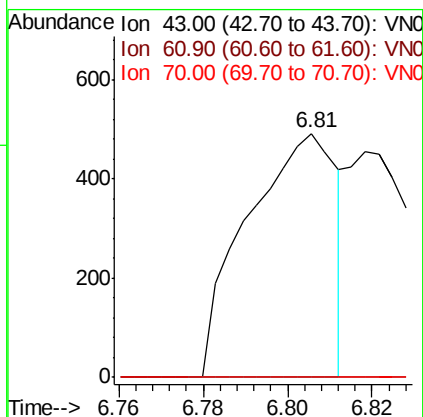
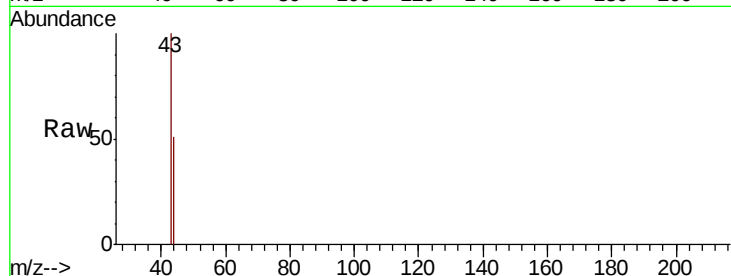




#37  
Ethyl Acetate  
Concen: 0.256 ug/l  
RT: 6.81 min Scan# 1565  
Delta R.T. -0.09 min  
Lab File: VN061072.D  
Acq: 18 Apr 2020 00:05

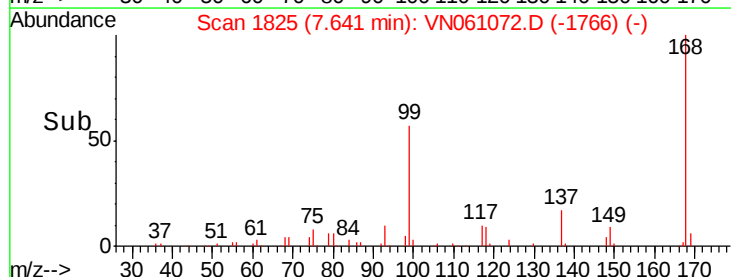
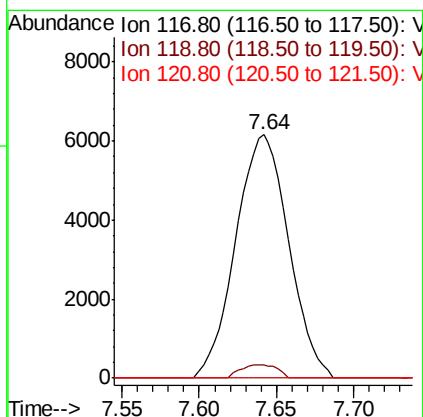
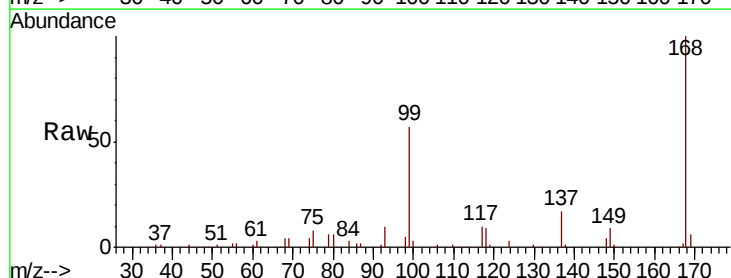
Instrument :  
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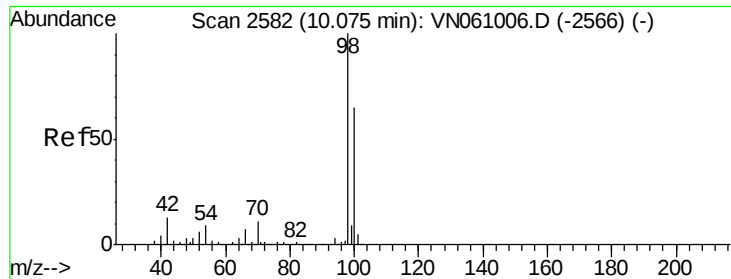
Tot Ion: 43 Resp: 721  
Ion Ratio Lower Upper  
43 100  
61 0.0 10.9 16.3#  
70 0.0 7.7 11.5#



#38  
Carbon Tetrachloride  
Concen: 6.781 ug/l  
RT: 7.64 min Scan# 1825  
Delta R.T. -0.11 min  
Lab File: VN061072.D  
Acq: 18 Apr 2020 00:05

Tgt Ion: 117 Resp: 14658  
Ion Ratio Lower Upper  
117 100  
119 5.2 78.1 117.1#  
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 56.611 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061072.D

Acq: 18 Apr 2020 00:05

Instrument :

MSVOA\_N

ClientSampleId :

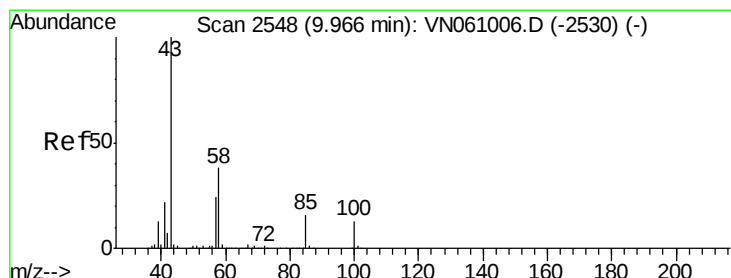
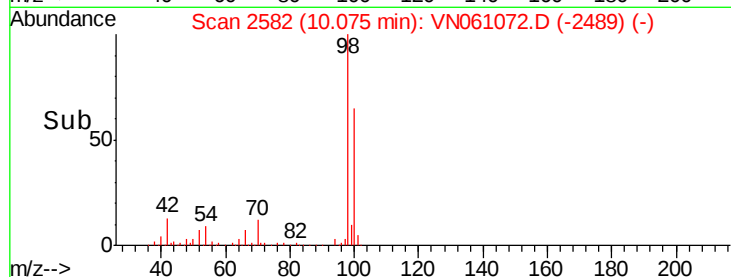
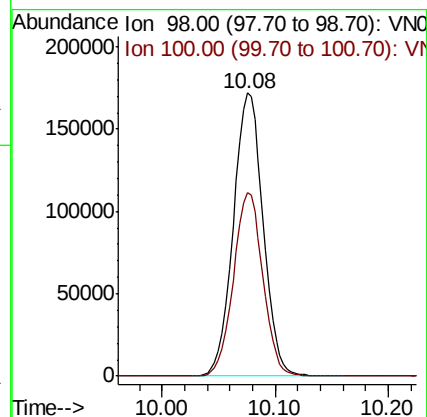
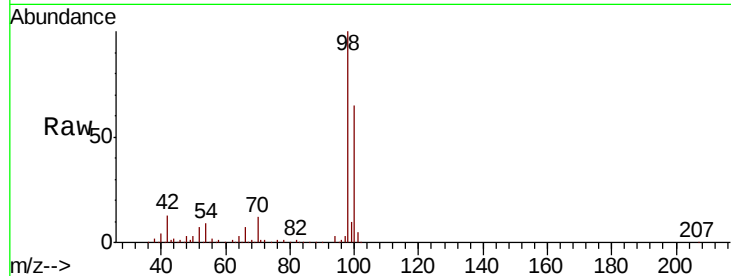
BP-FB01-20200414

Tot Ion: 98 Resp: 314400

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.574 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN061072.D

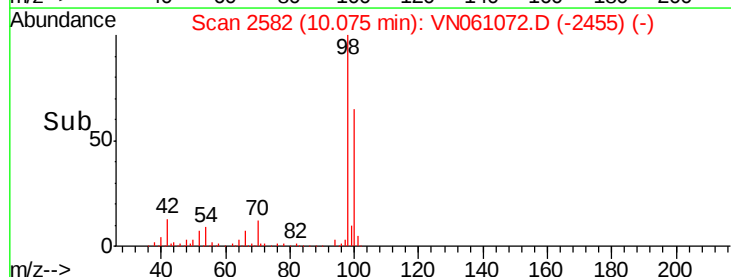
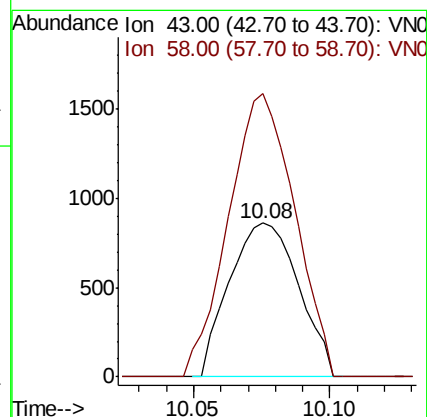
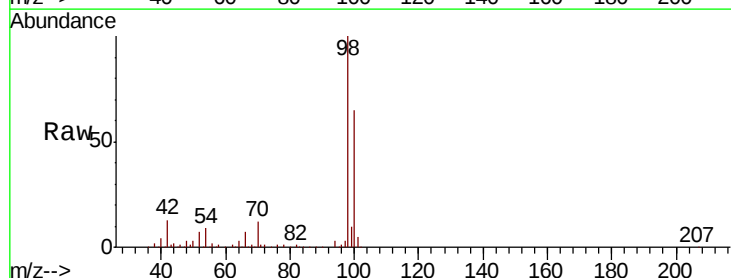
Acq: 18 Apr 2020 00:05

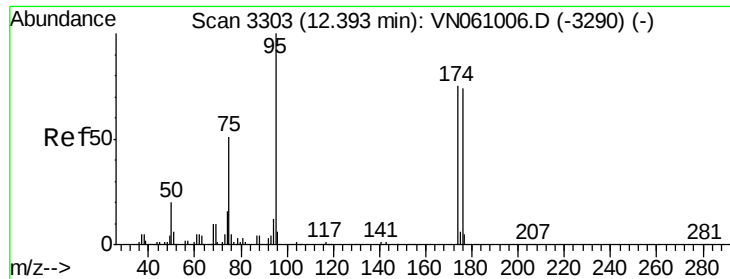
Tgt Ion: 43 Resp: 1517

Ion Ratio Lower Upper

43 100

58 175.6 30.3 45.5#





#62

4-Bromofluorobenzene

Concen: 53.533 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061072.D

Acq: 18 Apr 2020 00:05

Instrument :

MSVOA\_N

ClientSampleId :

BP-FB01-20200414

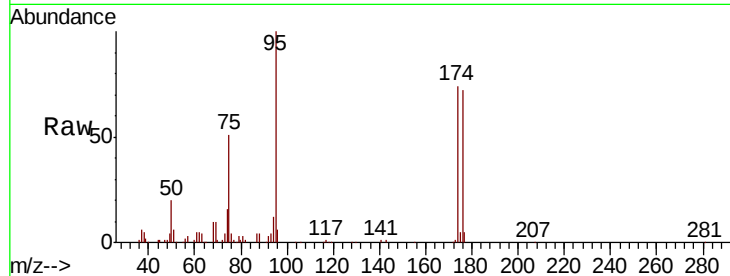
Tot Ion: 95 Resp: 116523

Ion Ratio Lower Upper

95 100

174 75.7 0.0 151.2

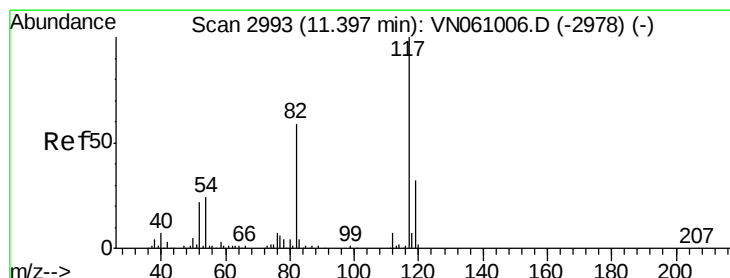
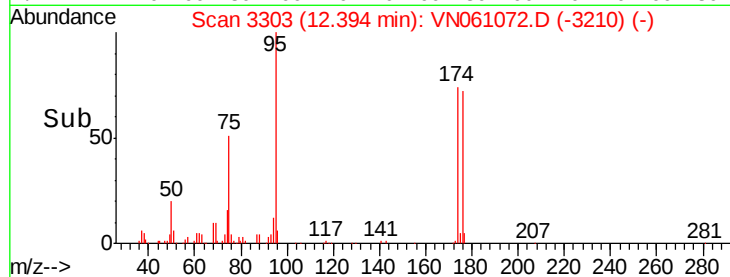
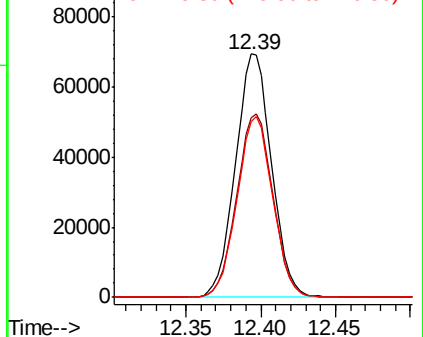
176 73.6 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. 0.00 min

Lab File: VN061072.D

Acq: 18 Apr 2020 00:05

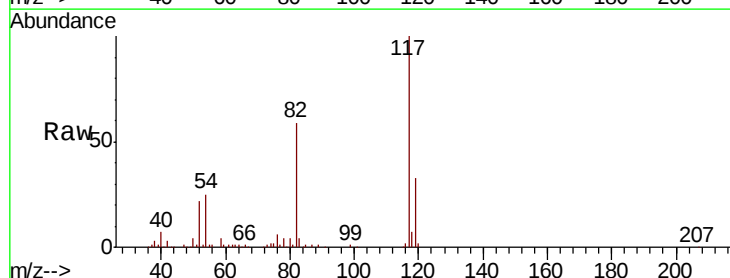
Tgt Ion: 117 Resp: 237984

Ion Ratio Lower Upper

117 100

82 59.4 47.1 70.7

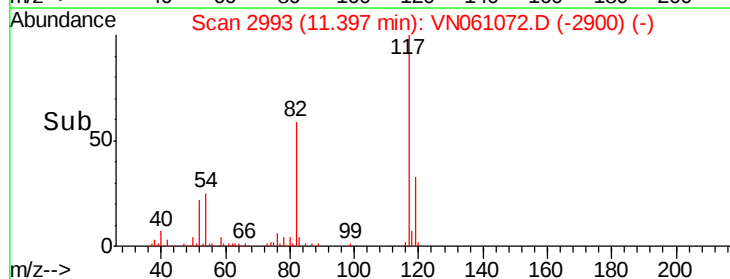
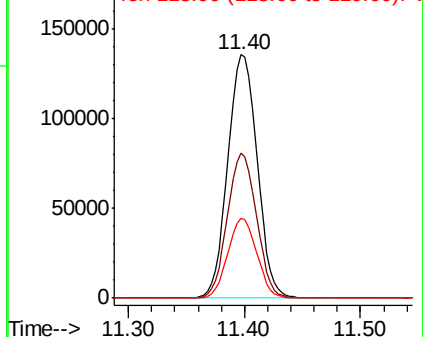
119 32.5 25.7 38.5

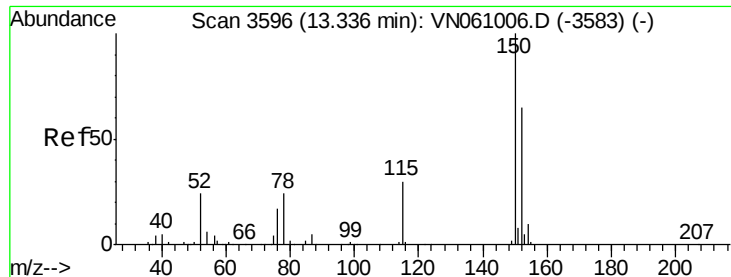


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061072.D

Acq: 18 Apr 2020 00:05

Instrument :

MSVOA\_N

ClientSampleId :

BP-FB01-20200414

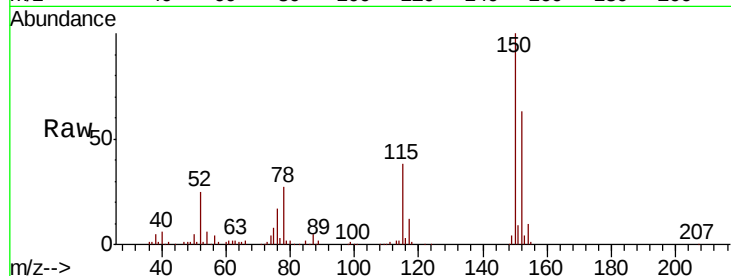
Tot Ion:152 Resp: 104240

Ion Ratio Lower Upper

152 100

115 60.6 30.8 92.4

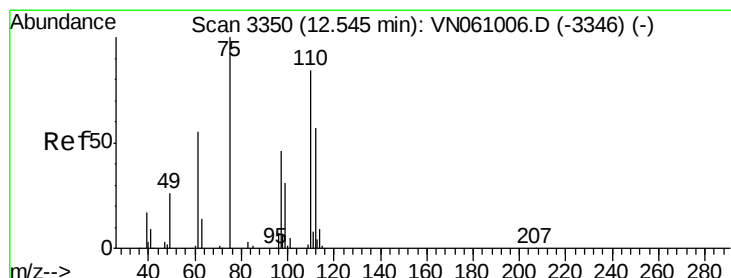
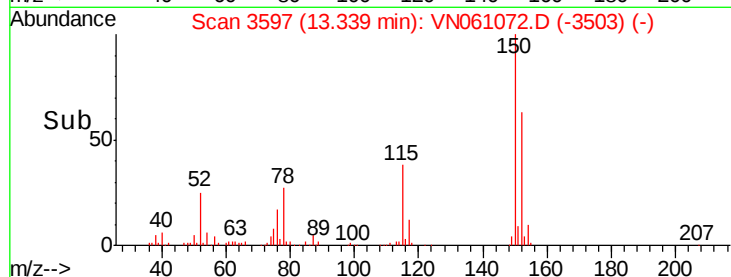
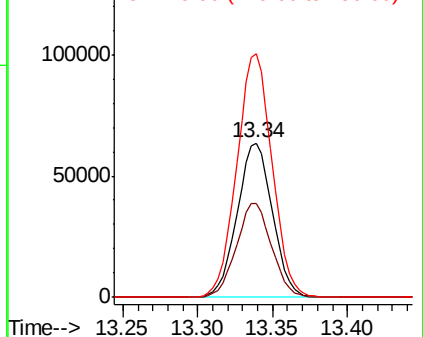
150 158.0 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 26.066 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061072.D

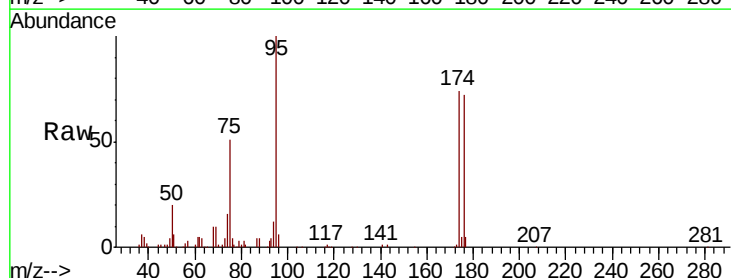
Acq: 18 Apr 2020 00:05

Tgt Ion: 75 Resp: 59766

Ion Ratio Lower Upper

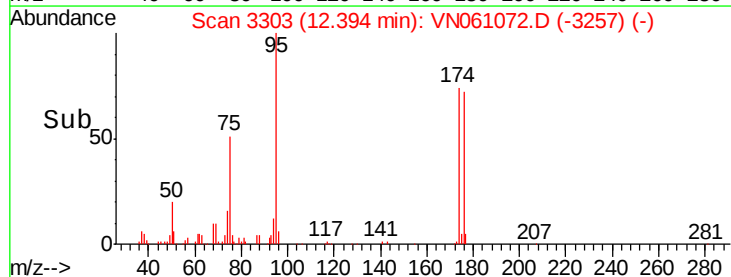
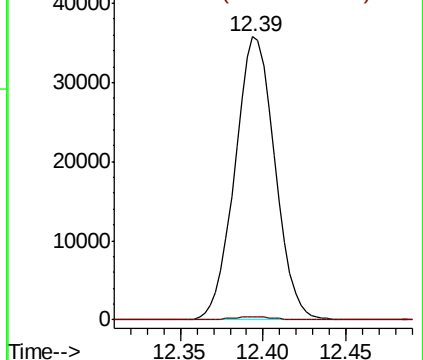
75 100

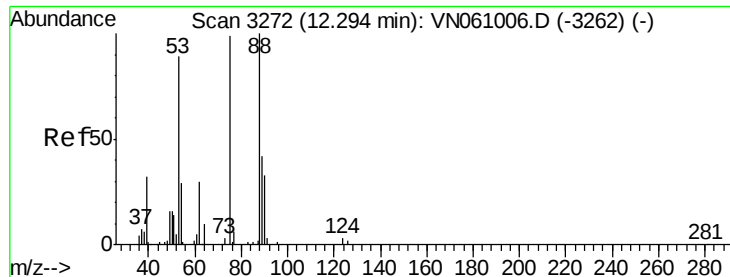
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.294 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061072.D

Acq: 18 Apr 2020 00:05

Instrument :

MSVOA\_N

ClientSampleId :

BP-FB01-20200414

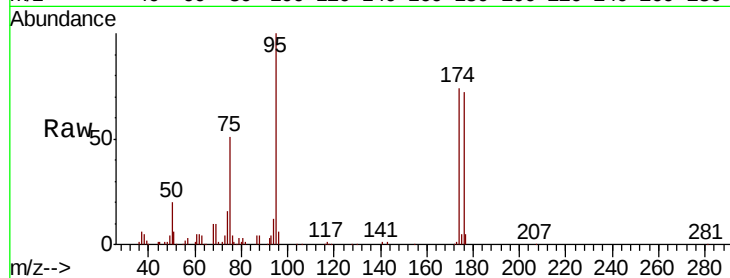
Tot Ion: 75 Resp: 59766

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#



Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

