

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\  
 Data File : VN052751.D  
 Acq On : 10 Dec 2018 14:17  
 Operator : MD\SY  
 Sample : PB115448TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115448TB

Quant Time: Dec 11 01:22:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112718W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Dec 03 03:24:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1232296  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1893564  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1655993  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 668923   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 634767   | 47.31 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.62%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 506947   | 43.43 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.86%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2324703  | 51.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.32% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 743271   | 48.68 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.36%  |          |

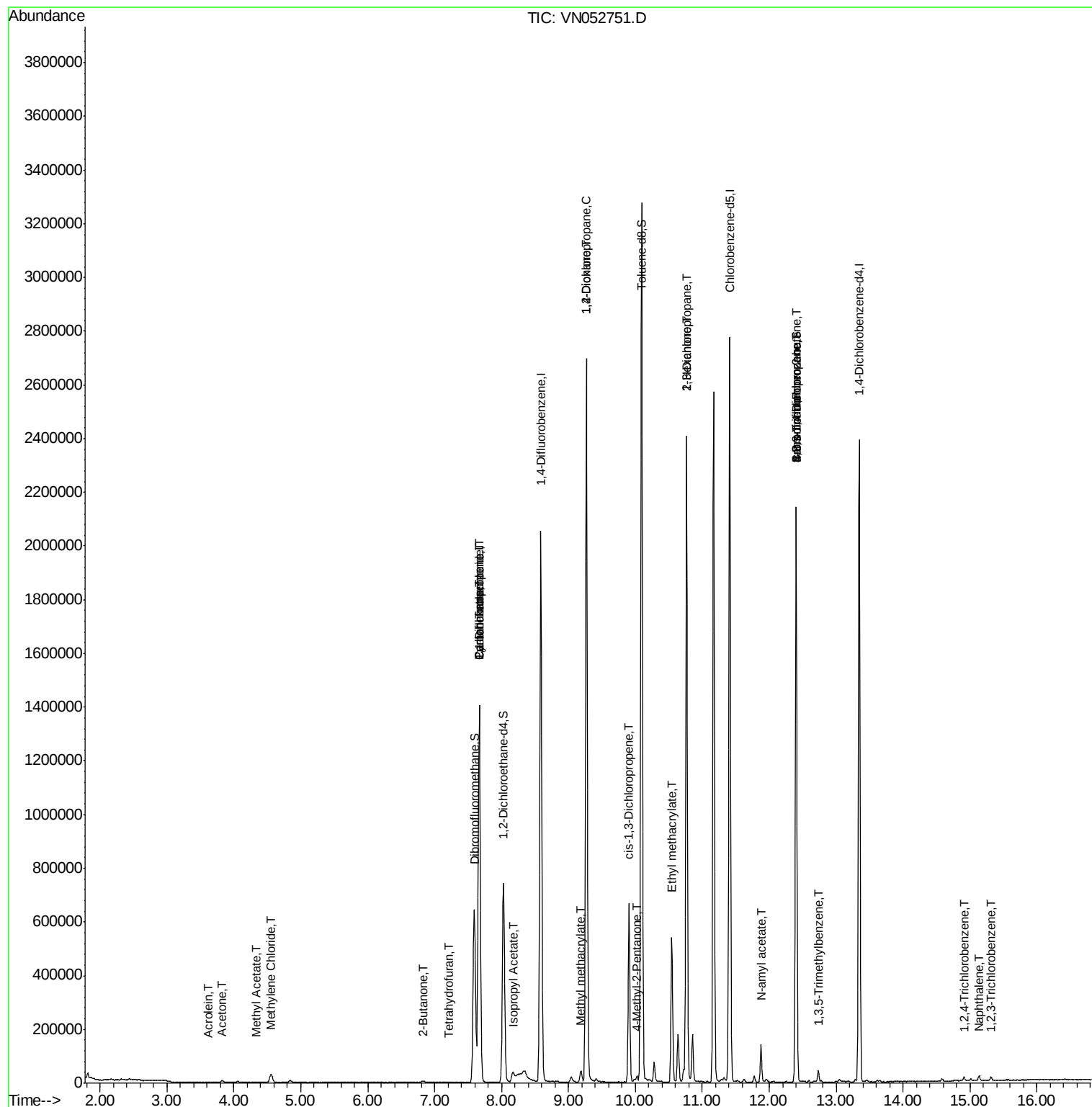
| Target Compounds               | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|--------------------------------|-------|------|----------|---------|--------|--------|
| 13) Acrolein                   | 3.61  | 56   | 328      | 0.281   | ug/l   | 87     |
| 16) Acetone                    | 3.82  | 43   | 10640    | 3.007   | ug/l   | 94     |
| 18) Methyl Acetate             | 4.34  | 43   | 3034     | 0.299   | ug/l # | 86     |
| 20) Methylene Chloride         | 4.55  | 84   | 23151    | 1.672   | ug/l   | 98     |
| 25) 2-Butanone                 | 6.83  | 43   | 1132     | 0.226   | ug/l # | 87     |
| 29) Tetrahydrofuran            | 7.21  | 42   | 2123     | 0.656   | ug/l # | 56     |
| 31) Cyclohexane                | 7.66  | 56   | 21459    | 0.568   | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.67  | 75   | 85482    | 4.780   | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.67  | 117  | 108037   | 6.674   | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.17  | 43   | 54262    | 2.938   | ug/l # | 81     |
| 45) 1,2-Dichloropropane        | 9.27  | 63   | 3362     | 0.237   | ug/l # | 43     |
| 48) Methyl methacrylate        | 9.18  | 41   | 14162    | 1.471   | ug/l # | 13     |
| 49) 1,4-Dioxane                | 9.27  | 88   | 330      | 3.302   | ug/l # | 1      |
| 51) 4-Methyl-2-Pentanone       | 10.02 | 43   | 16751    | 1.617   | ug/l # | 36     |
| 54) cis-1,3-Dichloropropene    | 9.90  | 75   | 124884   | 6.353   | ug/l # | 61     |
| 56) Ethyl methacrylate         | 10.54 | 69   | 1470     | 2.783   | ug/l # | 1      |
| 57) 1,3-Dichloropropane        | 10.76 | 76   | 24818    | 1.262   | ug/l # | 43     |
| 59) 2-Hexanone                 | 10.76 | 43   | 348004   | 50.041  | ug/l # | 51     |
| 71) Bromoform                  | 12.40 | 173  | 4859     | 0.618   | ug/l # | 1      |
| 74) N-amyl acetate             | 11.88 | 43   | 44159    | 3.331   | ug/l # | 51     |
| 76) 1,2,3-Trichloropropane     | 12.40 | 75   | 352424   | 34.166  | ug/l # | 100    |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 21386    | 0.511   | ug/l   | 99     |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75   | 352424   | 114.097 | ug/l # | 11     |
| 93) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 4864     | 3.216   | ug/l   | 97     |
| 95) Naphthalene                | 15.14 | 128  | 16616    | 4.043   | ug/l   | 98     |
| 96) 1,2,3-Trichlorobenzene     | 15.31 | 180  | 5201     | 3.177   | ug/l   | 98     |

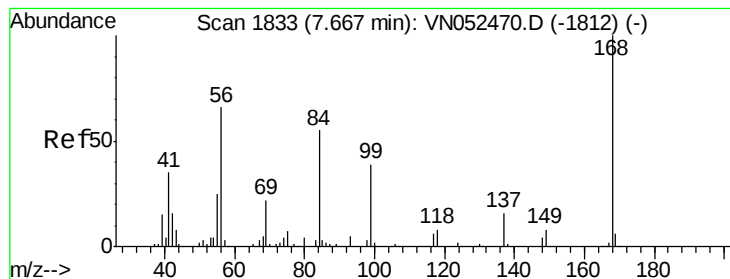
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Dec 03 03:24:02 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampleId :

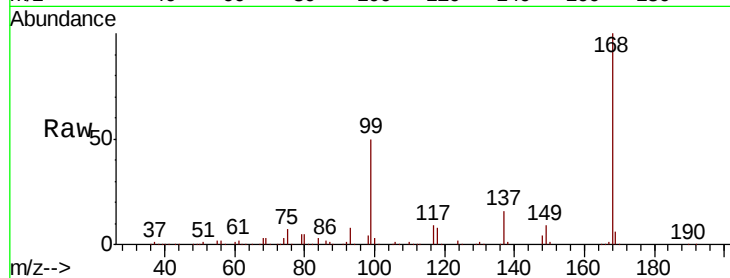
PB115448TB

Tot Ion:168 Resp: 1232296

Ion Ratio Lower Upper

168 100

99 50.3 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052751.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052751.D (-1740) (-)

7.67

600000

500000

400000

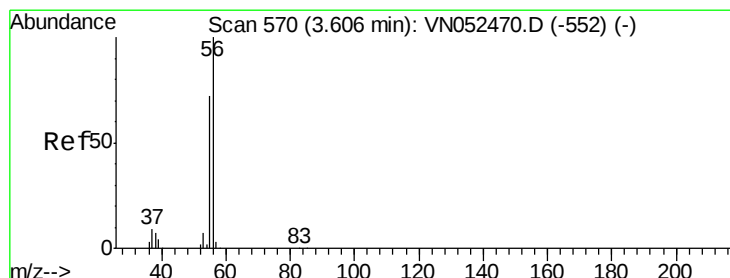
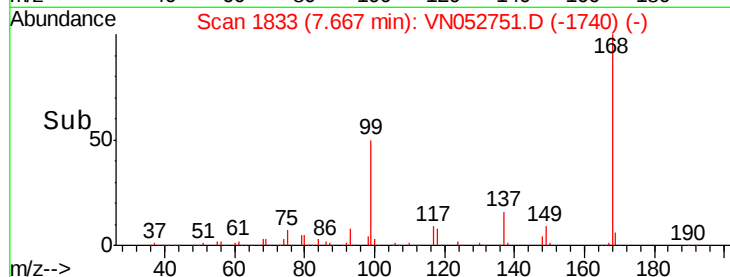
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.281 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052751.D

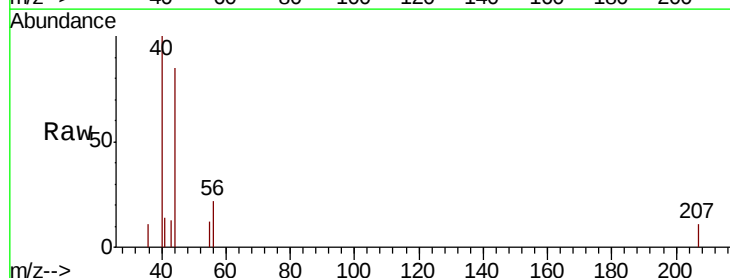
Acq: 10 Dec 2018 14:17

Tgt Ion: 56 Resp: 328

Ion Ratio Lower Upper

56 100

55 60.4 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN052751.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN052751.D (-477) (-)

3.61

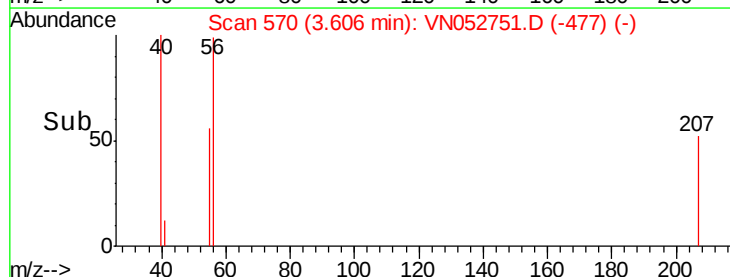
300

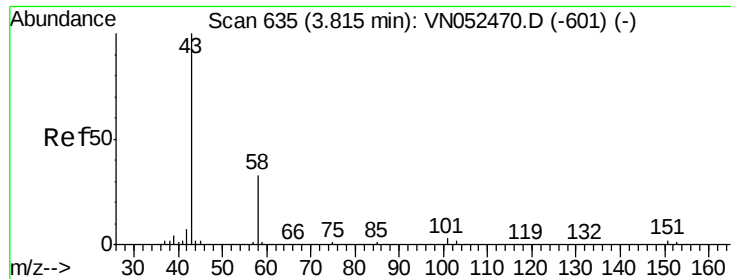
200

100

0

Time--> 3.58 3.60 3.62





#16

Acetone

Concen: 3.007 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampleId :

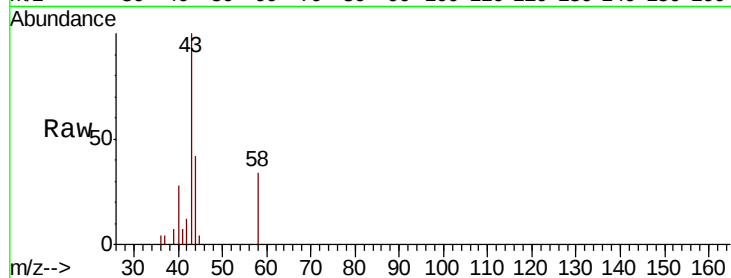
PB115448TB

Tot Ion: 43 Resp: 10640

Ion Ratio Lower Upper

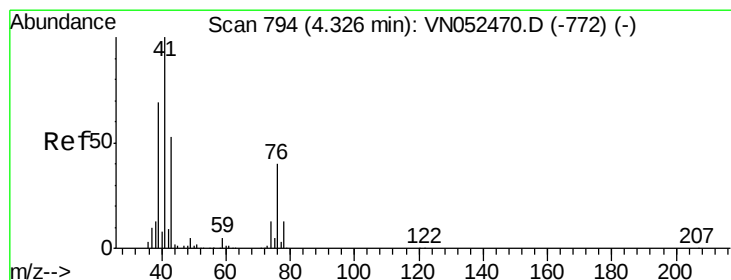
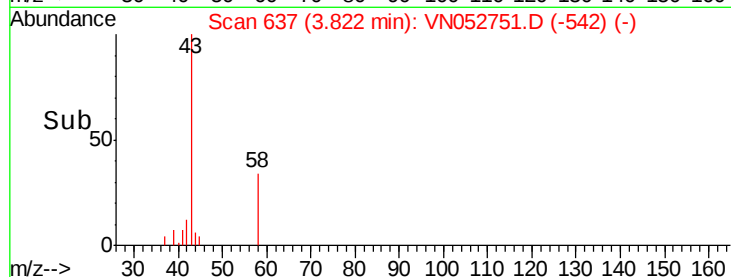
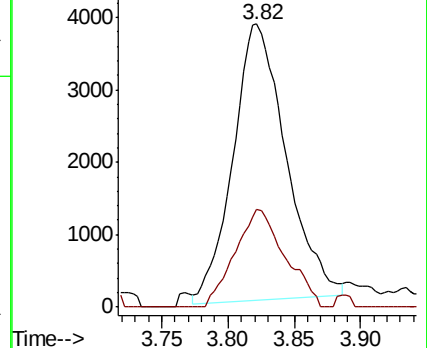
43 100

58 35.9 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.299 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN052751.D

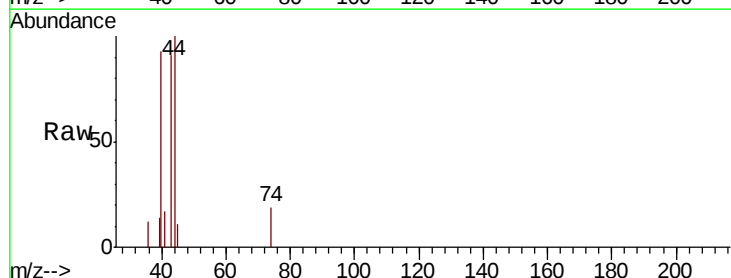
Acq: 10 Dec 2018 14:17

Tgt Ion: 43 Resp: 3034

Ion Ratio Lower Upper

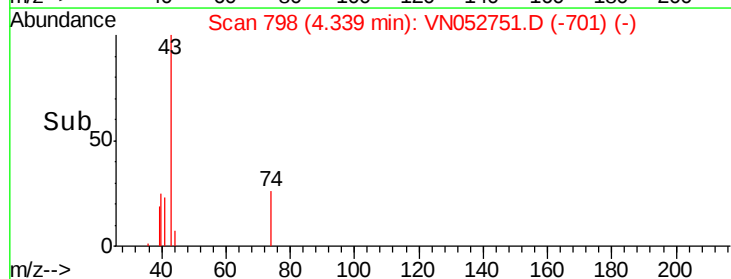
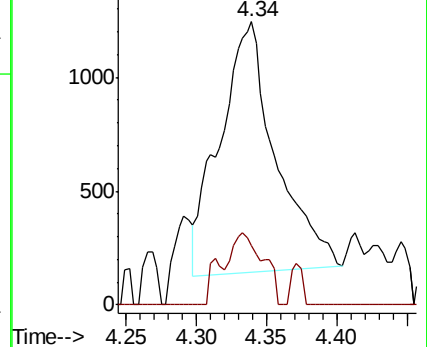
43 100

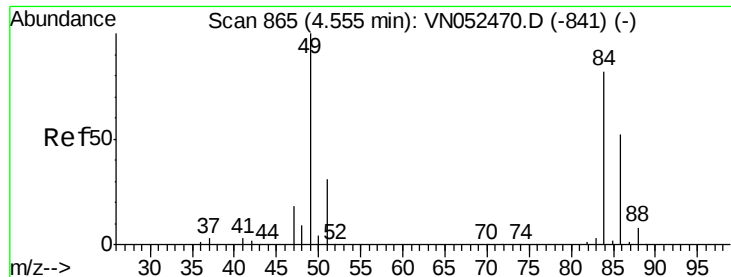
74 16.5 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

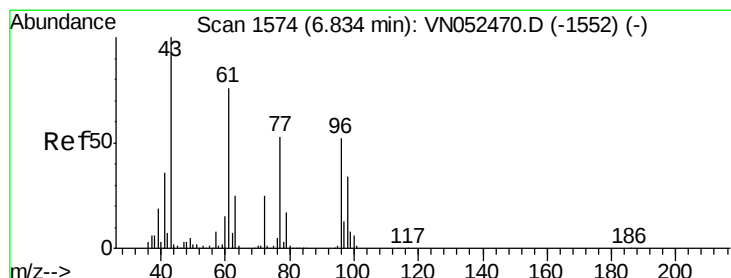
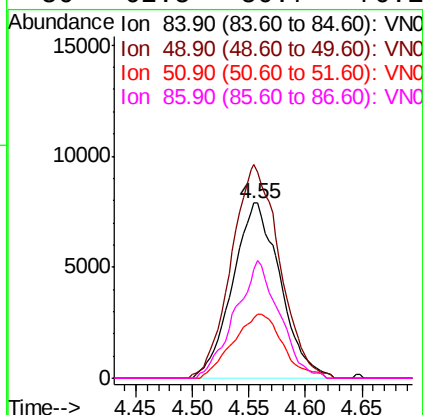
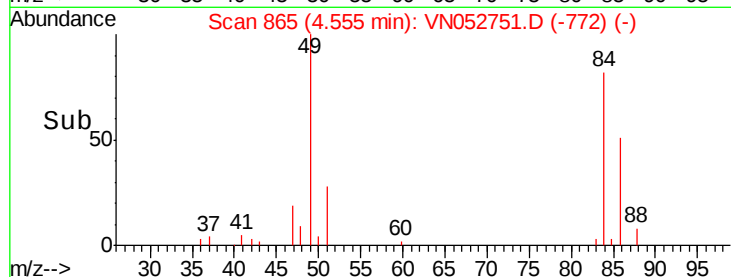
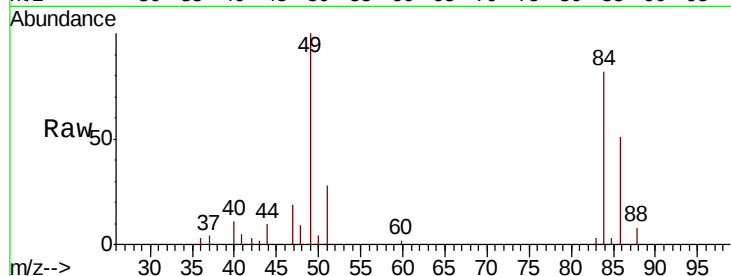




#20  
Methvlene Chloride  
Concen: 1.672 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052751.D  
Acq: 10 Dec 2018 14:17

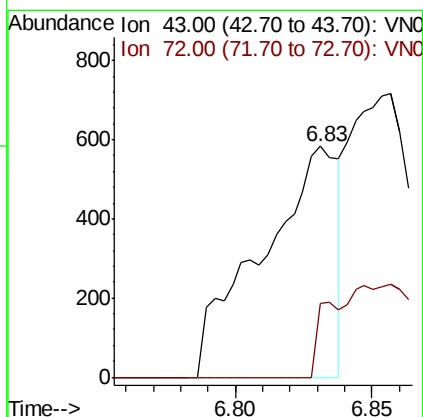
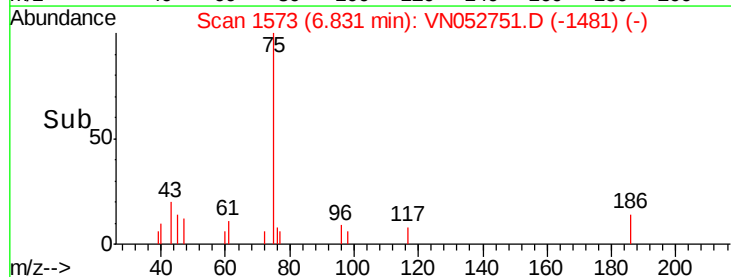
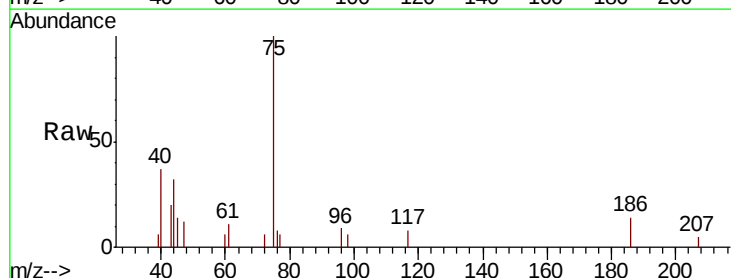
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ClientSampleId :  
PB115448TB

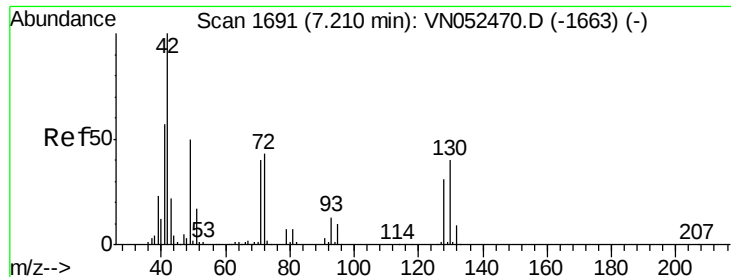
Tot Ion: 84 Resp: 23151  
Ion Ratio Lower Upper  
84 100  
49 122.0 98.0 147.0  
51 34.3 30.1 45.1  
86 62.5 50.7 76.1



#25  
2-Butanone  
Concen: 0.226 ug/l  
RT: 6.83 min Scan# 1573  
Delta R.T. -0.00 min  
Lab File: VN052751.D  
Acq: 10 Dec 2018 14:17

Tgt Ion: 43 Resp: 1132  
Ion Ratio Lower Upper  
43 100  
72 31.8 20.1 30.1#

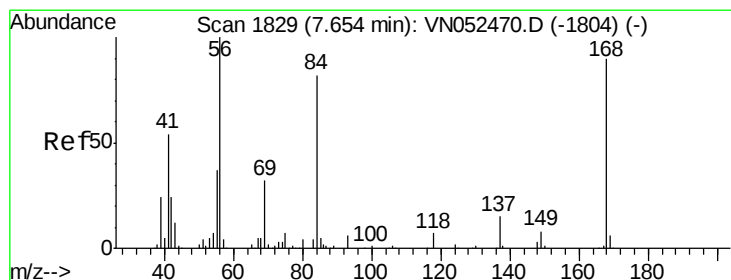
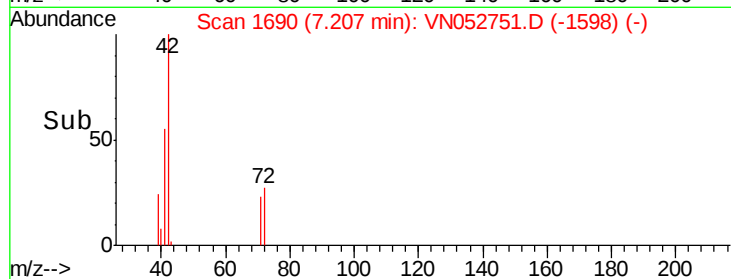
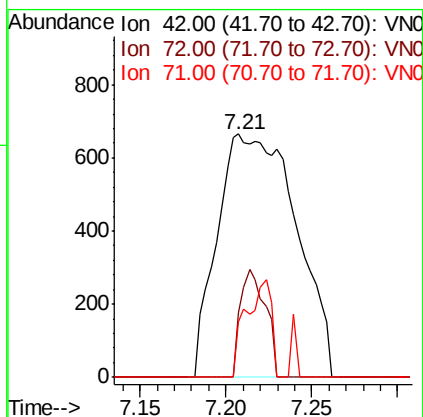
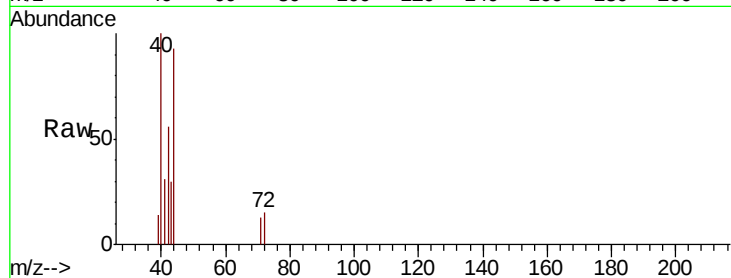




#29  
Tetrahydrofuran  
Concen: 0.656 ug/l  
RT: 7.21 min Scan# 1690  
Delta R.T. -0.00 min  
Lab File: VN052751.D  
Acq: 10 Dec 2018 14:17

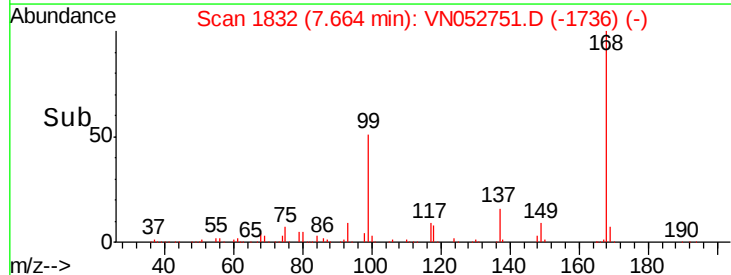
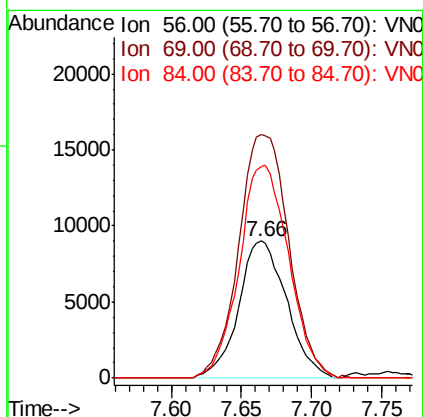
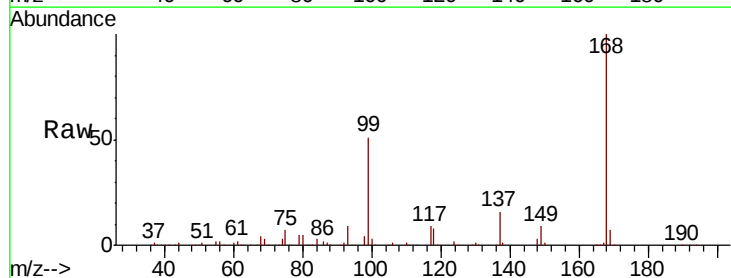
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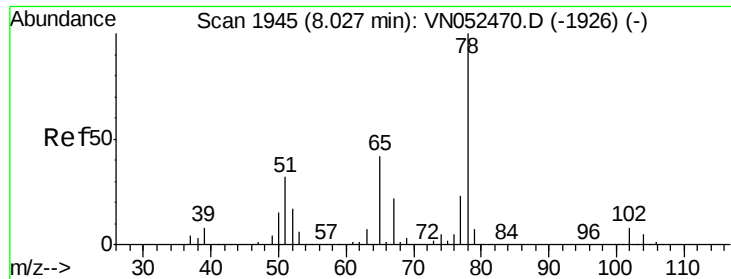
Tot Ion: 42 Resp: 2123  
Ion Ratio Lower Upper  
42 100  
72 14.1 33.3 49.9#  
71 12.8 32.0 48.0#



#31  
Cyclohexane  
Concen: 0.568 ug/l  
RT: 7.66 min Scan# 1832  
Delta R.T. 0.01 min  
Lab File: VN052751.D  
Acq: 10 Dec 2018 14:17

Tgt Ion: 56 Resp: 21459  
Ion Ratio Lower Upper  
56 100  
69 177.4 25.8 38.6#  
84 154.1 65.3 97.9#

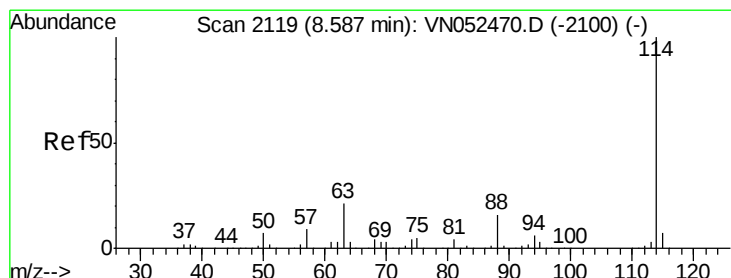
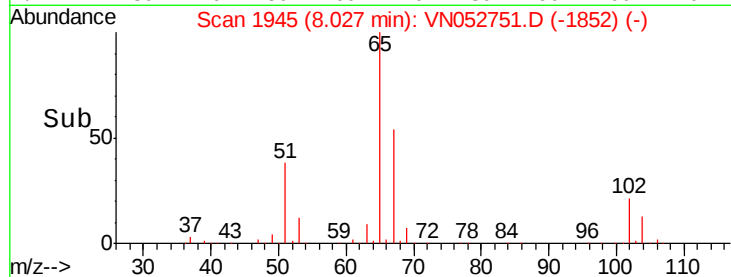
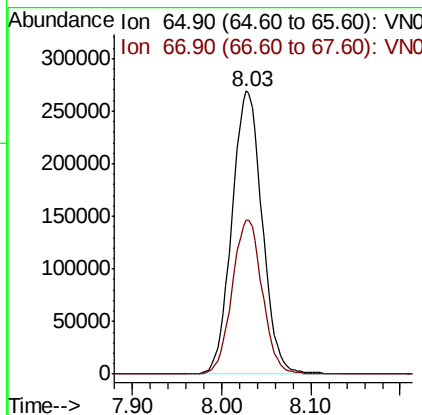
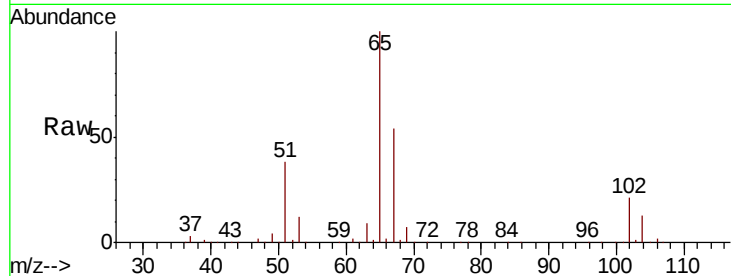




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN052751.D  
 Acq: 10 Dec 2018 14:17

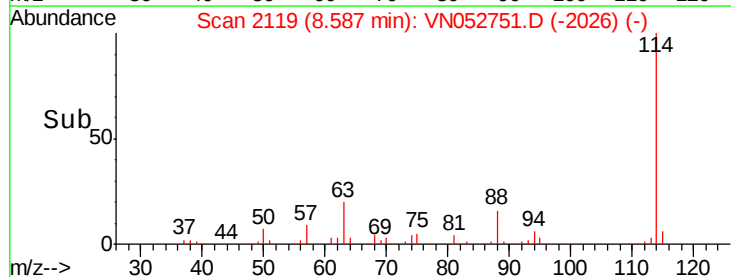
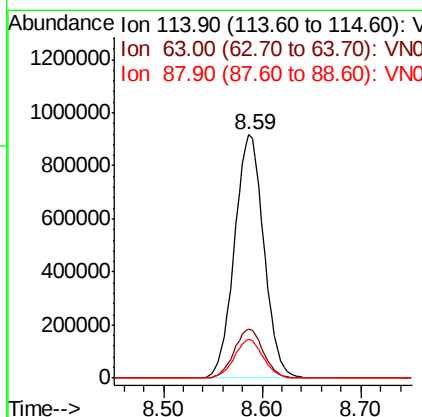
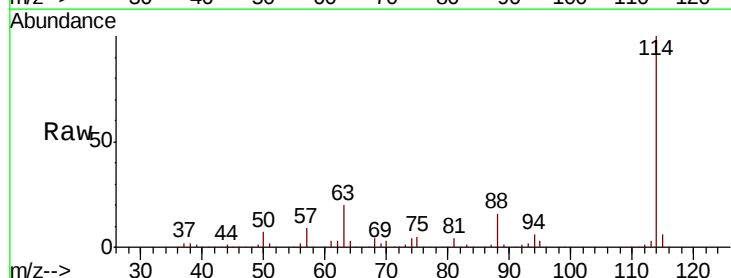
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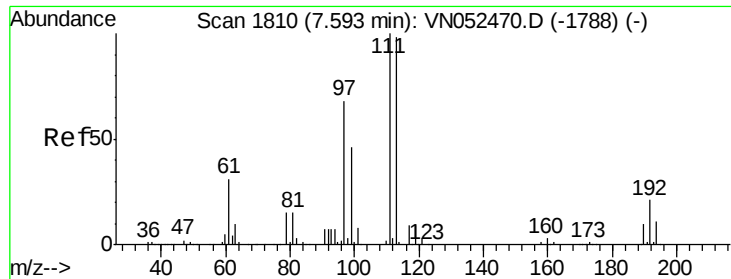
Tot Ion: 65 Resp: 634767  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 109.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052751.D  
 Acq: 10 Dec 2018 14:17

Tgt Ion: 114 Resp: 1893564  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 41.8  
 88 15.9 0.0 31.6

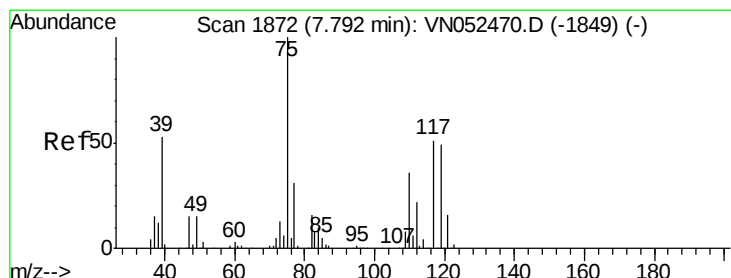
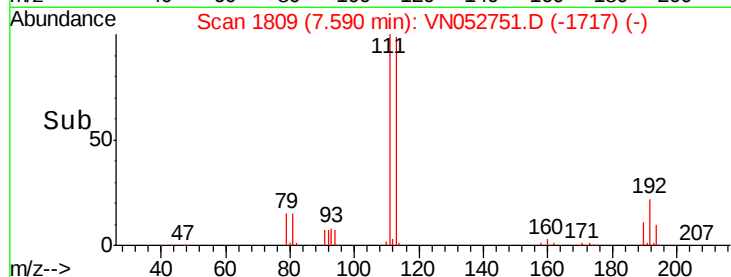
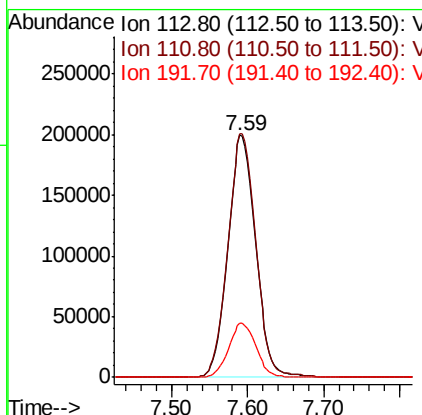
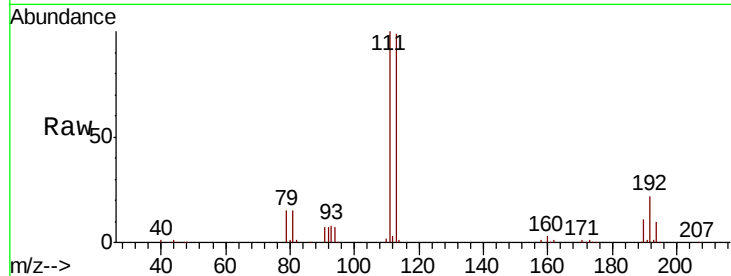




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN052751.D  
 Acq: 10 Dec 2018 14:17

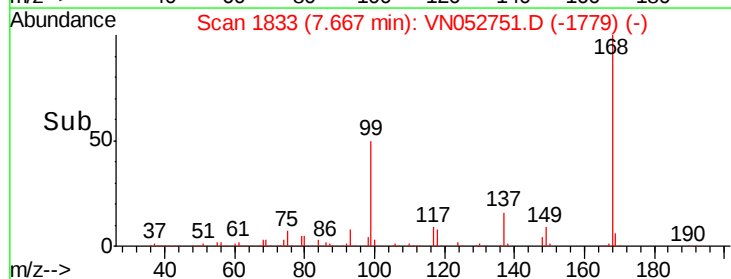
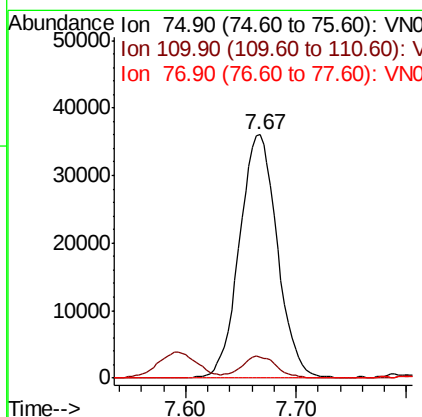
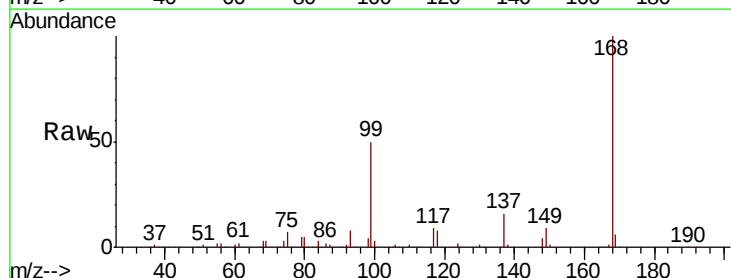
Instrument :  
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 ClientSampleId :  
 PB115448TB

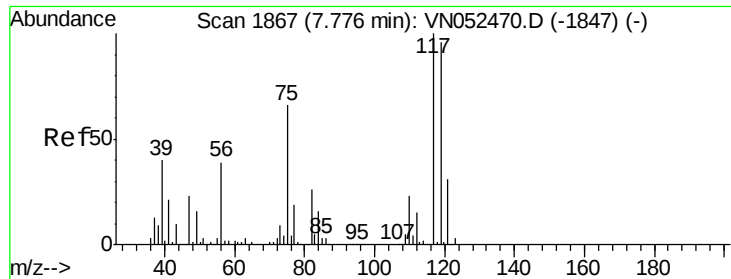
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.3 | 82.0  | 123.0 |
| 192     | 22.1  | 17.0  | 25.6  |



#36  
 1,1-Dichloropropene  
 Concen: 4.780 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN052751.D  
 Acq: 10 Dec 2018 14:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.4   | 17.5  | 52.6# |
| 77      | 0.0   | 24.5  | 36.7# |





#38

Carbon Tetrachloride

Concen: 6.674 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampleId :

PB115448TB

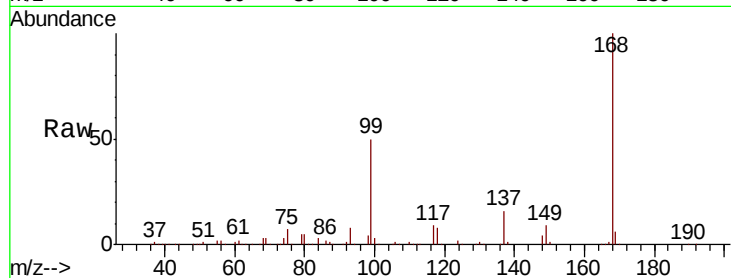
Tot Ion:117 Resp: 108037

Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

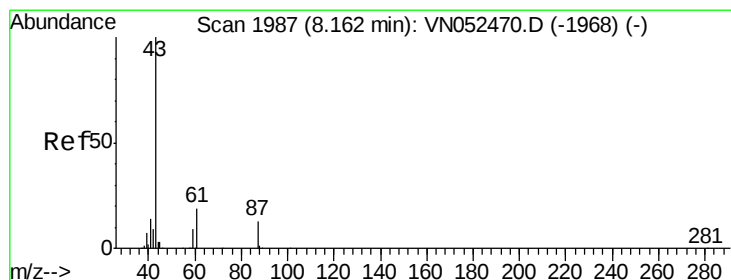
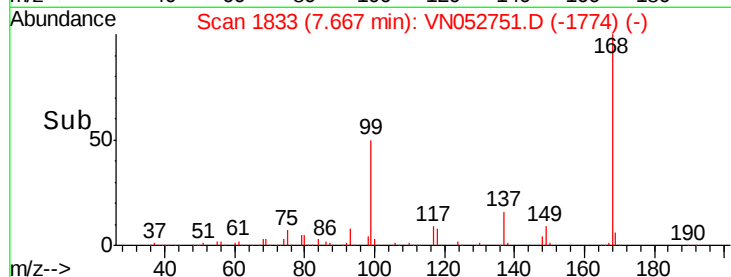
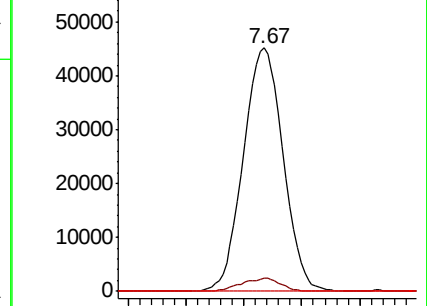
121 0.0 24.9 37.3#



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: 2.938 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

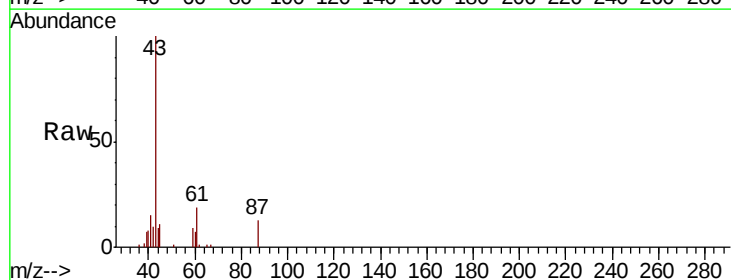
Tgt Ion: 43 Resp: 54262

Ion Ratio Lower Upper

43 100

61 16.7 24.1 36.1#

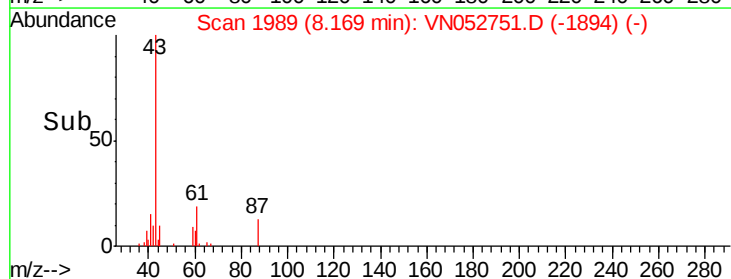
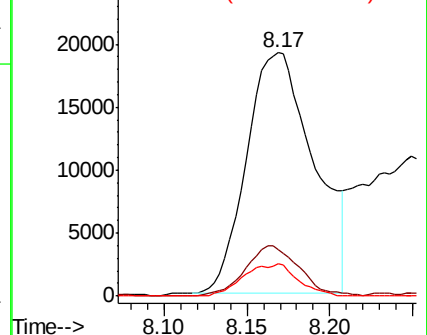
87 10.6 10.6 15.8

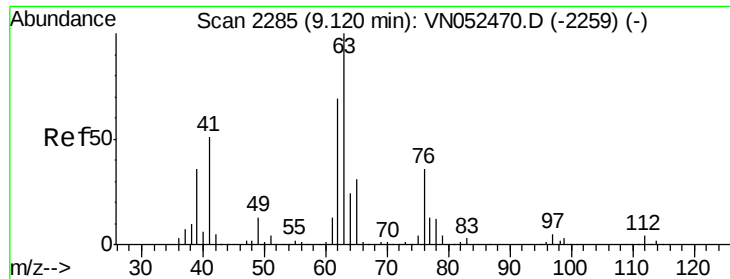


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

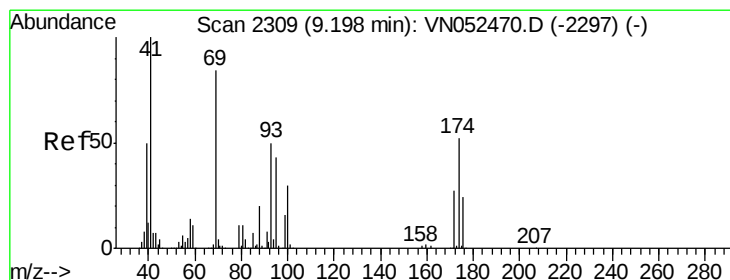
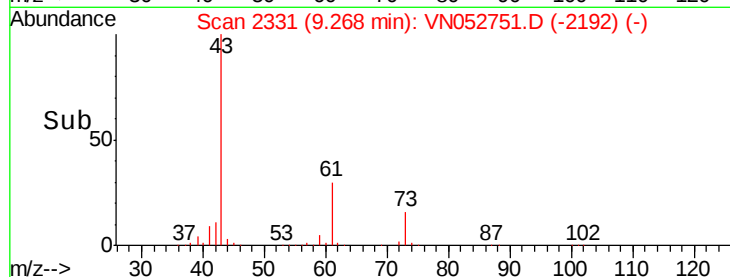
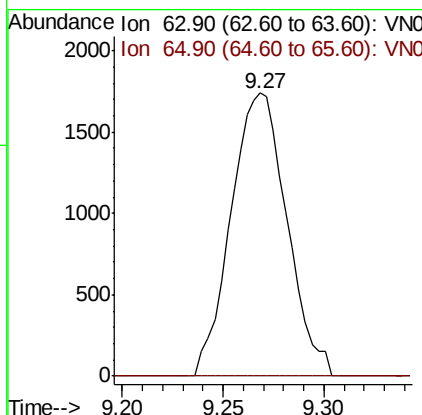
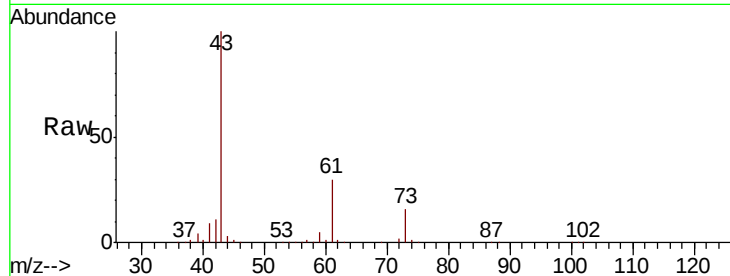




#45  
 1,2-Dichloropropane  
 Concen: 0.237 ug/l  
 RT: 9.27 min Scan# 2331  
 Delta R.T. 0.15 min  
 Lab File: VN052751.D  
 Acq: 10 Dec 2018 14:17

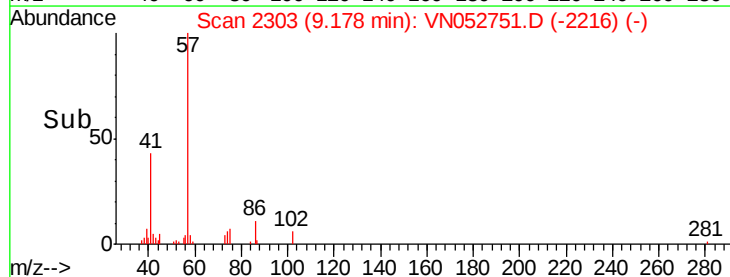
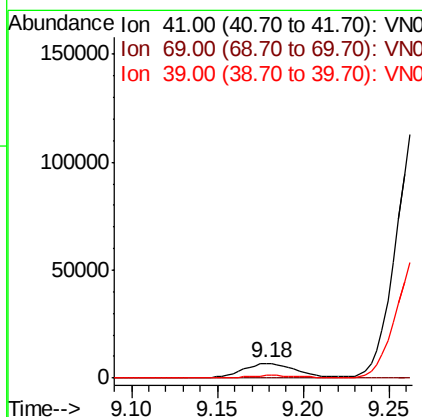
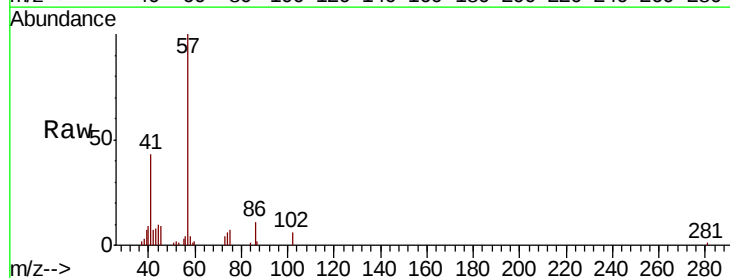
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115448TB

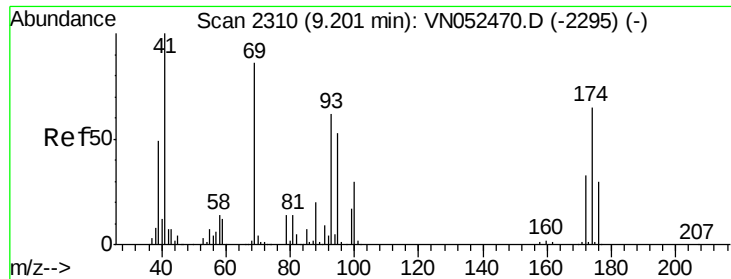
Tot Ion: 63 Resp: 3362  
 Ion Ratio Lower Upper  
 63 100  
 65 0.0 25.0 37.6#



#48  
 Methyl methacrylate  
 Concen: 1.471 ug/l  
 RT: 9.18 min Scan# 2303  
 Delta R.T. -0.02 min  
 Lab File: VN052751.D  
 Acq: 10 Dec 2018 14:17

Tgt Ion: 41 Resp: 14162  
 Ion Ratio Lower Upper  
 41 100  
 69 0.0 70.0 105.0#  
 39 0.0 42.6 64.0#





#49

1,4-Dioxane

Concen: 3.302 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampleId :

PB115448TB

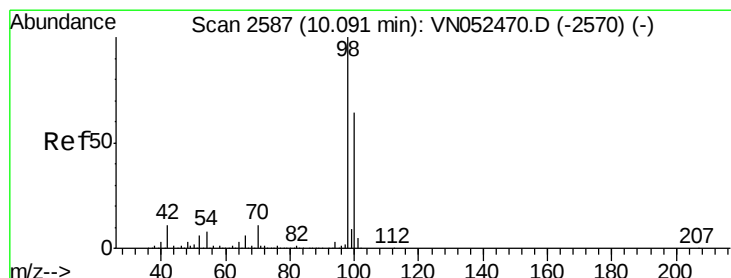
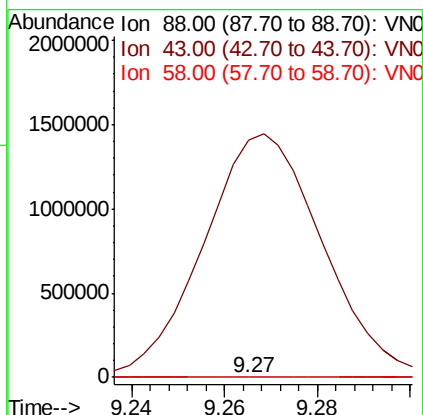
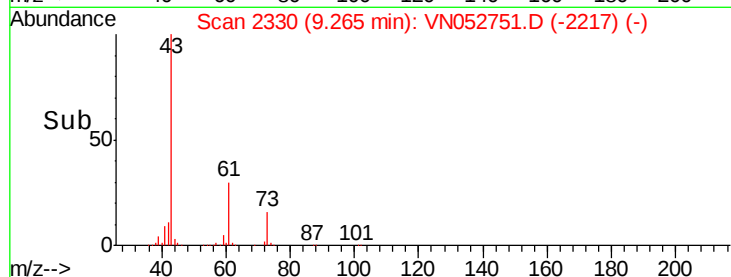
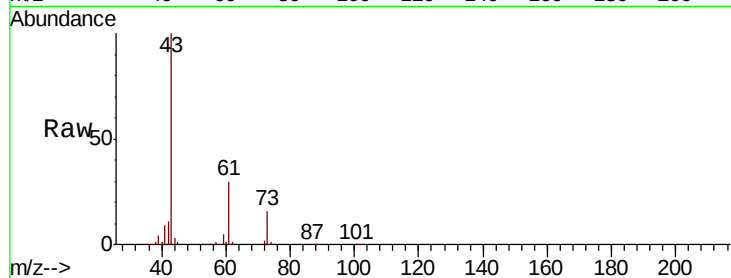
Tot Ion: 88 Resp: 330

Ion Ratio Lower Upper

88 100

43 792324.5 26.4 39.6#

58 3488.5 55.4 83.0#



#50

Toluene-d8

Concen: 3.302 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052751.D

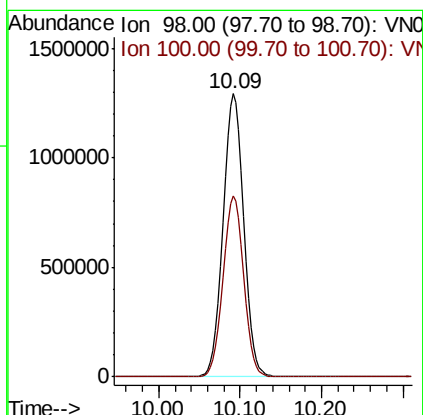
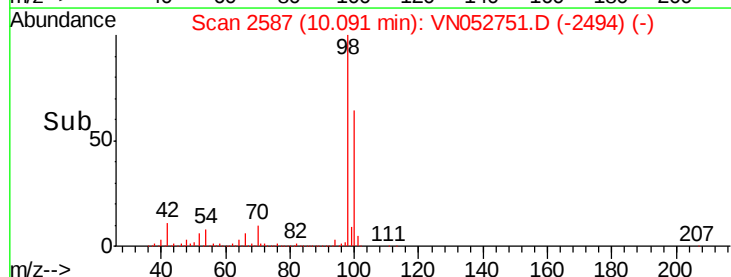
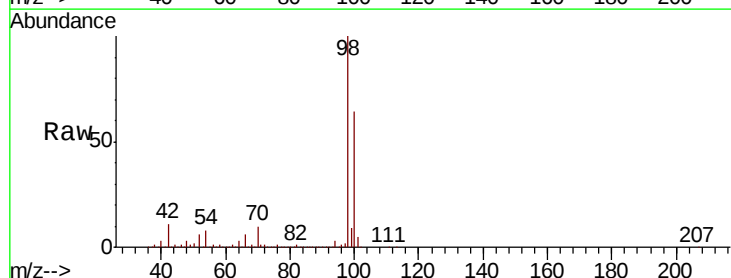
Acq: 10 Dec 2018 14:17

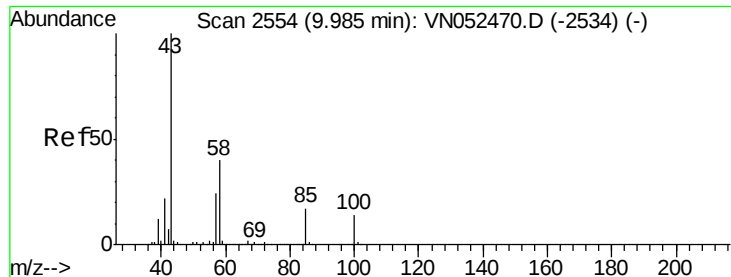
Tgt Ion: 98 Resp: 2324703

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 1.617 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampleID :

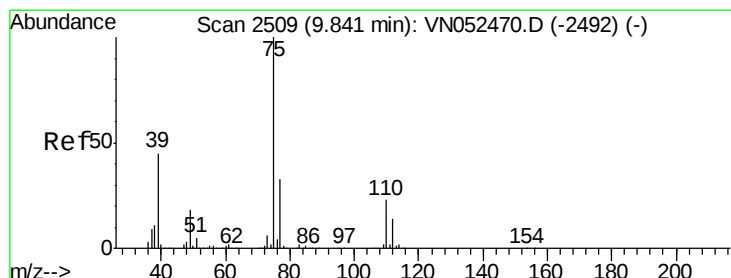
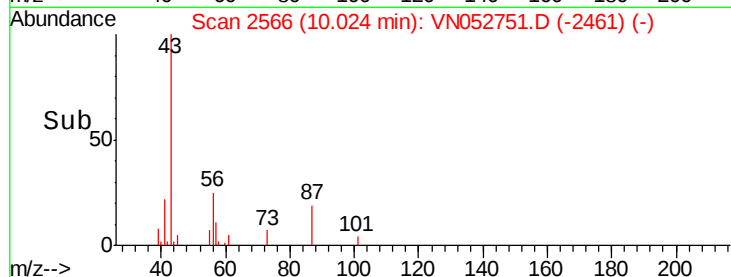
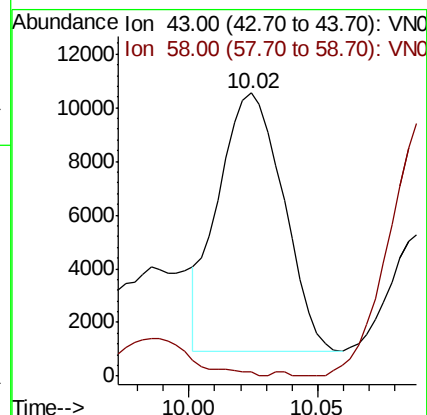
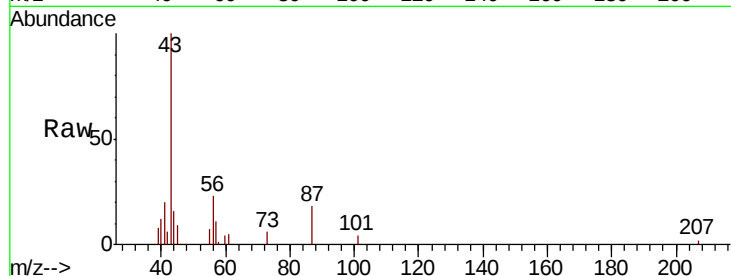
PB115448TB

Tot Ion: 43 Resp: 16751

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



#54

cis-1,3-Dichloropropene

Concen: 6.353 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

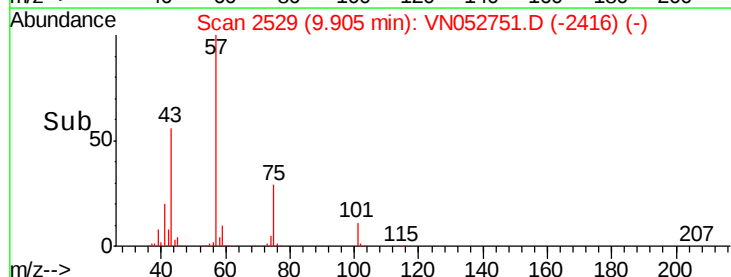
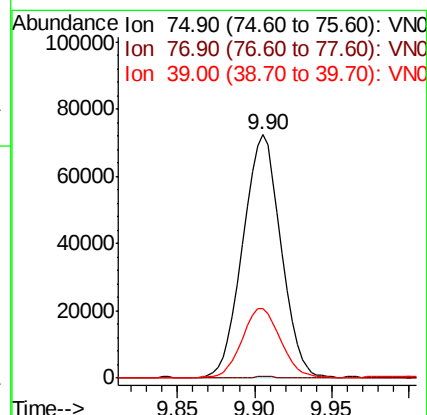
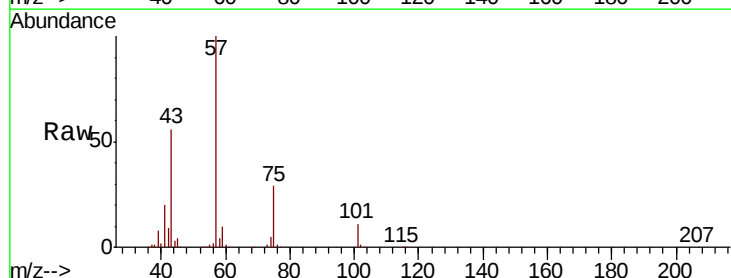
Tgt Ion: 75 Resp: 124884

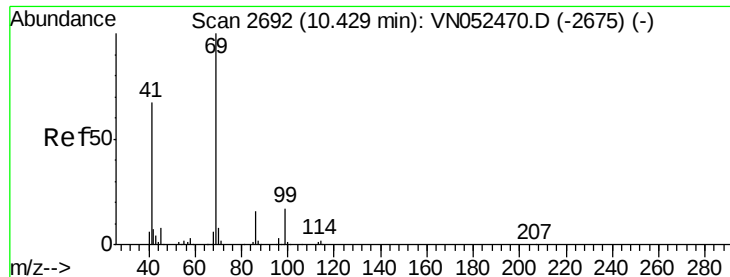
Ion Ratio Lower Upper

75 100

77 0.5 26.2 39.2#

39 28.1 36.0 54.0#





#56

Ethyl methacrylate

Concen: 2.783 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampleId :

PB115448TB

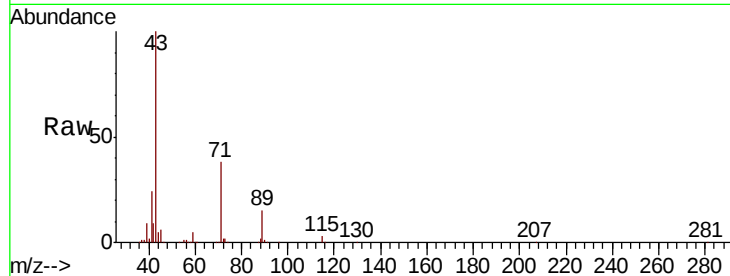
Tot Ion: 69 Resp: 1470

Ion Ratio Lower Upper

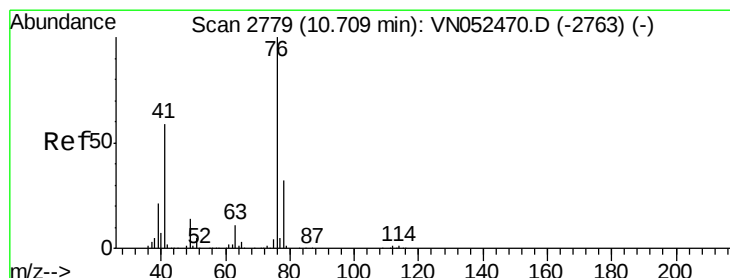
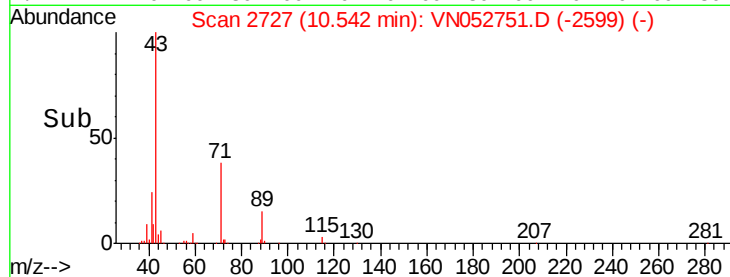
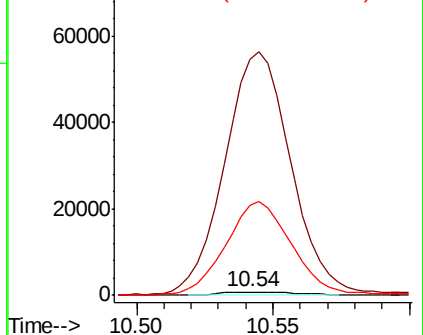
69 100

41 6521.0 52.6 79.0#

39 2498.7 25.9 38.9#



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



#57

1,3-Dichloropropane

Concen: 1.262 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052751.D

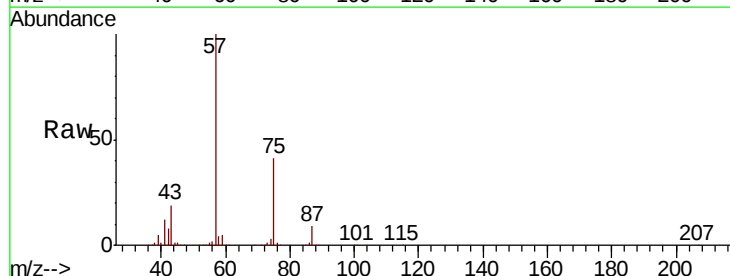
Acq: 10 Dec 2018 14:17

Tgt Ion: 76 Resp: 24818

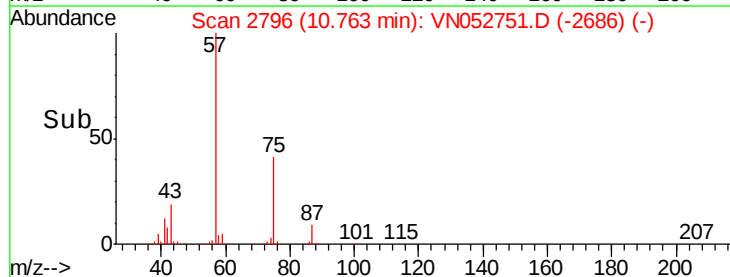
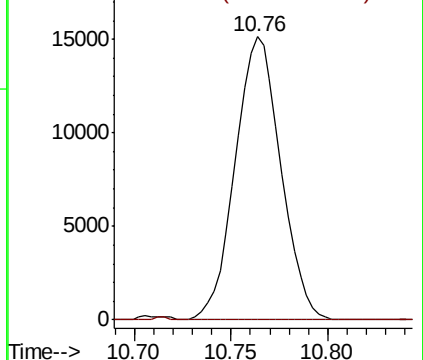
Ion Ratio Lower Upper

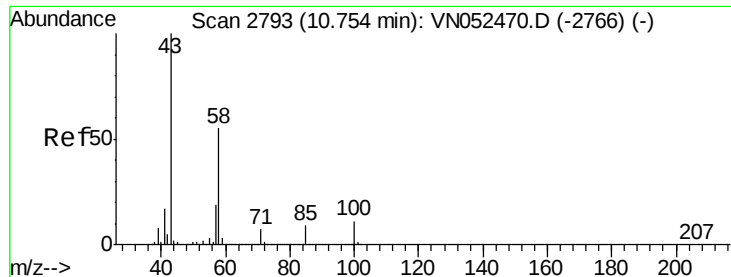
76 100

78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VNO  
Ion 77.90 (77.60 to 78.60): VNO

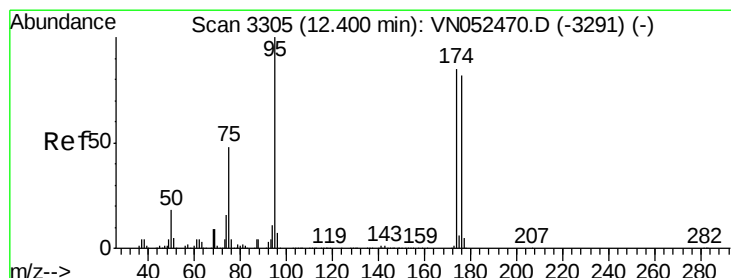
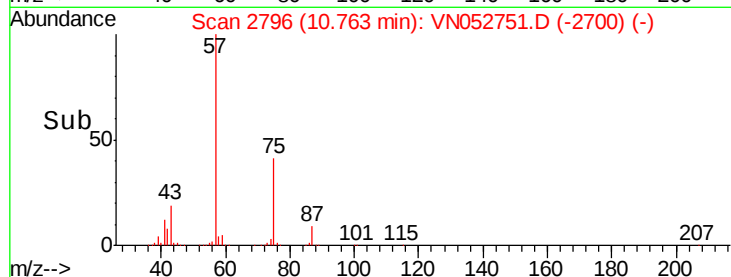
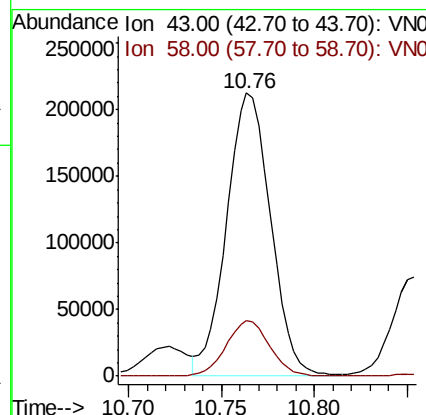
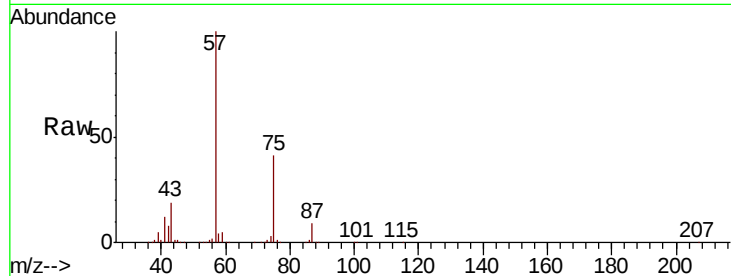




#59  
2-Hexanone  
Concen: 50.041 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN052751.D  
Acq: 10 Dec 2018 14:17

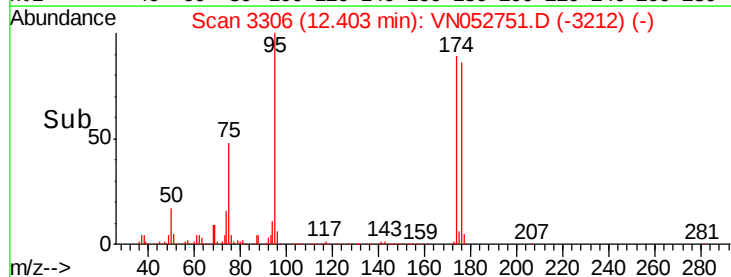
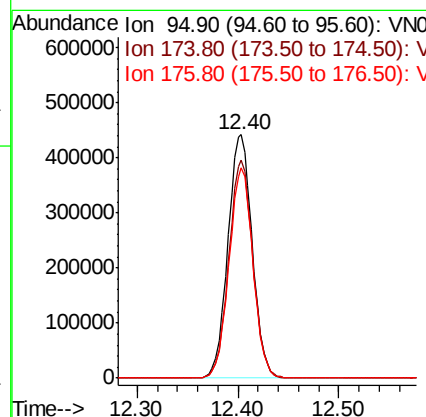
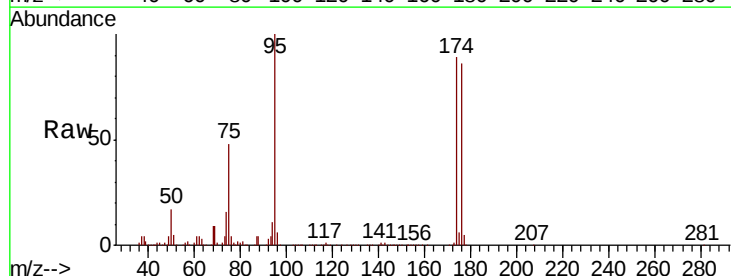
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115448TB

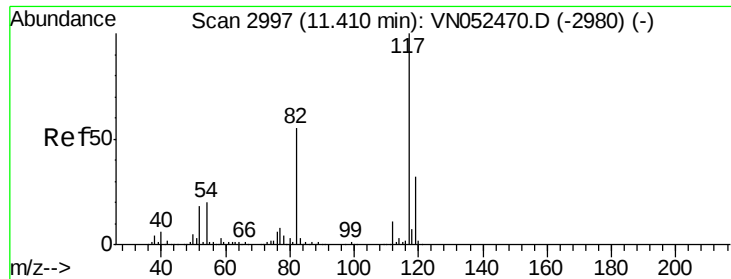
Tot Ion: 43 Resp: 348004  
Ion Ratio Lower Upper  
43 100  
58 19.5 27.4 82.0#



#62  
4-Bromofluorobenzene  
Concen: Below ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN052751.D  
Acq: 10 Dec 2018 14:17

Tgt Ion: 95 Resp: 743271  
Ion Ratio Lower Upper  
95 100  
174 88.3 0.0 173.0  
176 85.1 0.0 166.2

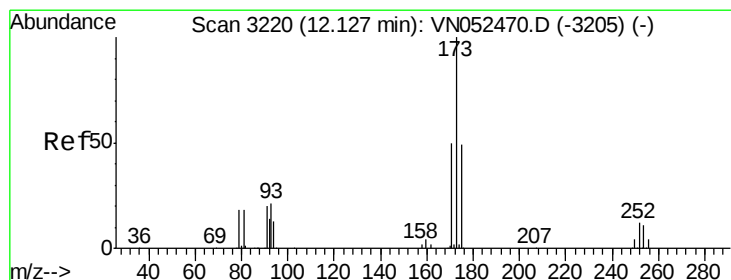
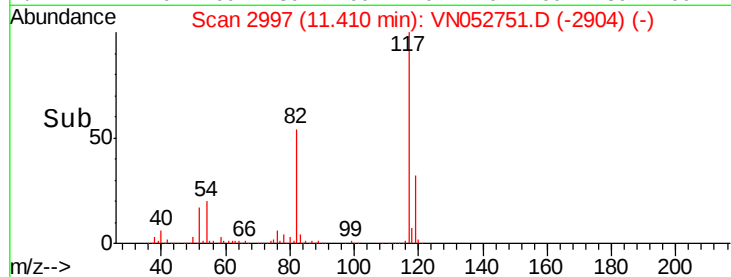
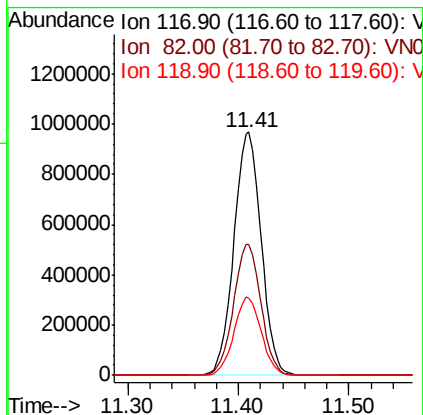
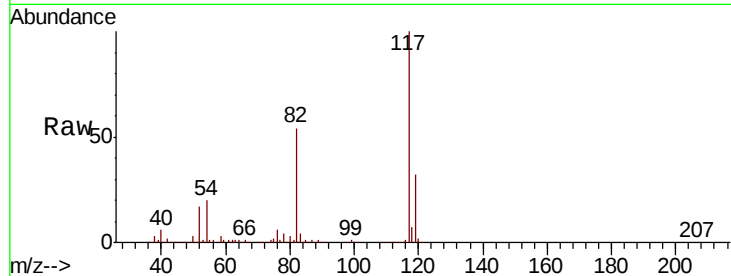




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN052751.D  
Acq: 10 Dec 2018 14:17

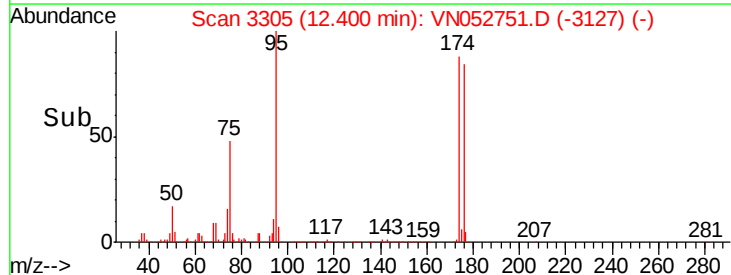
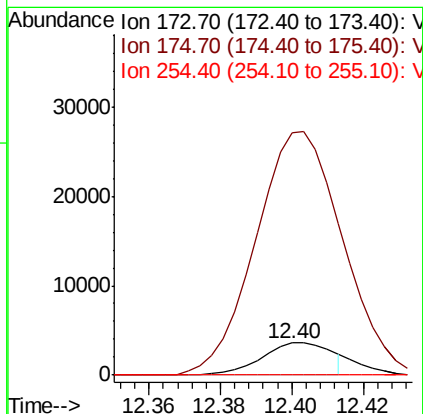
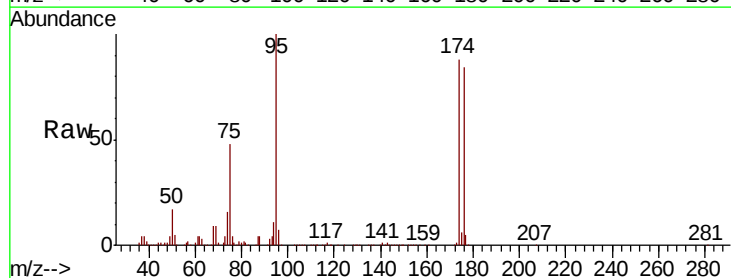
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115448TB

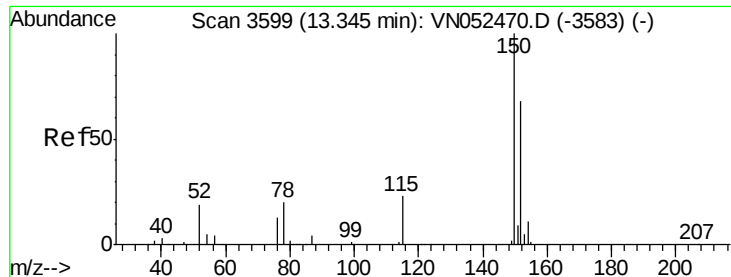
Tot Ion:117 Resp: 1655993  
Ion Ratio Lower Upper  
117 100  
82 53.8 43.6 65.4  
119 32.0 25.4 38.2



#71  
Bromoform  
Concen: 0.618 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN052751.D  
Acq: 10 Dec 2018 14:17

Tgt Ion:173 Resp: 4859  
Ion Ratio Lower Upper  
173 100  
175 817.1 24.4 73.2#  
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampleId :

PB115448TB

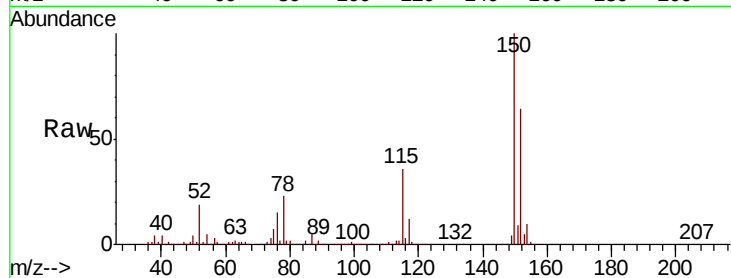
Tot Ion:152 Resp: 668923

Ion Ratio Lower Upper

152 100

115 56.4 28.4 85.2

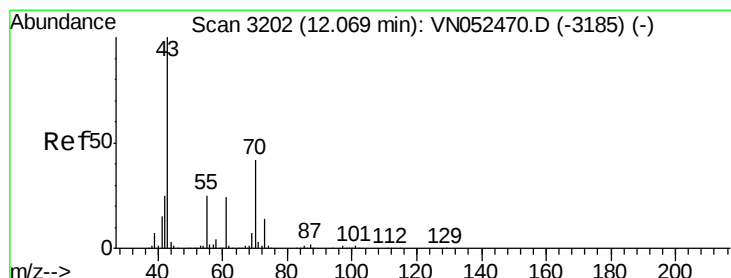
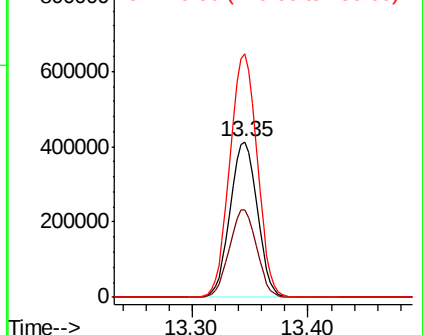
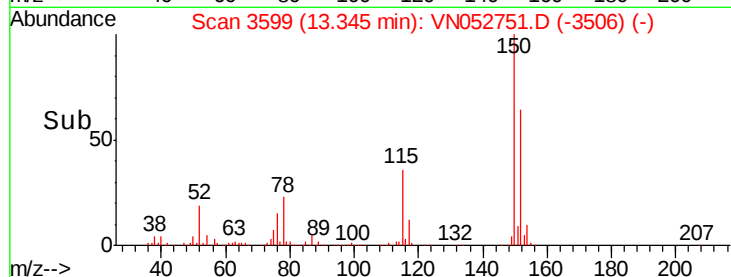
150 156.8 0.0 346.0



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



#74

N-ethyl acetate

Concen: 3.331 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Tgt Ion: 43 Resp: 44159

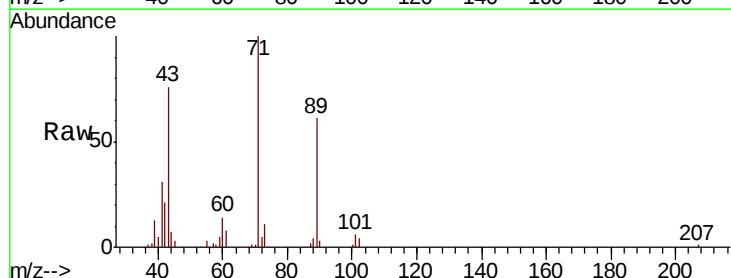
Ion Ratio Lower Upper

43 100

70 1.4 33.8 50.8#

55 4.3 20.0 30.0#

61 10.4 19.7 29.5#

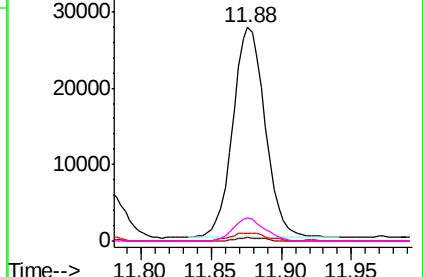
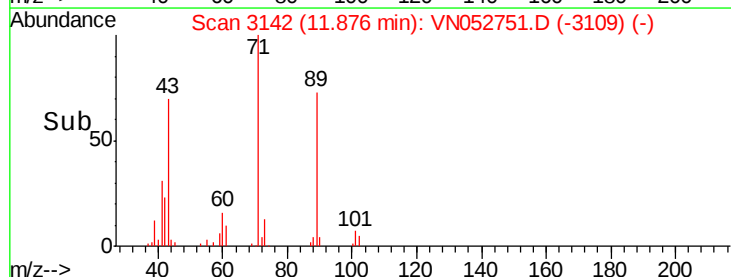


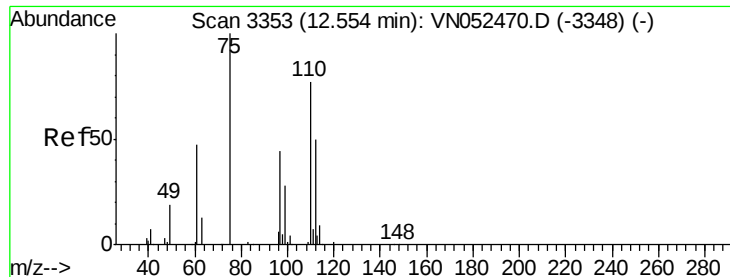
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 34.166 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampleId :

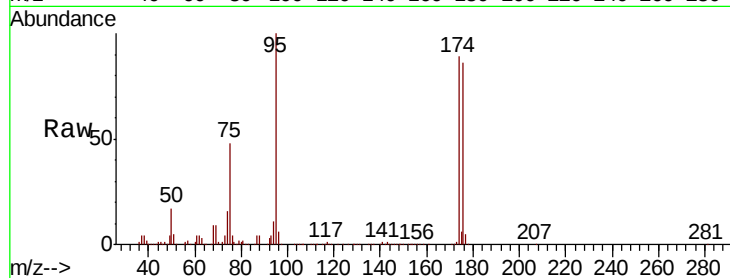
PB115448TB

Tot Ion: 75 Resp: 352424

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052751.D (-3306) (-)

Ion 77.00 (76.70 to 77.70): VN052751.D (-3306) (-)

250000

200000

150000

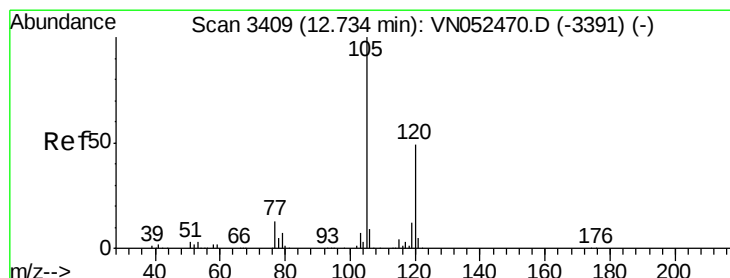
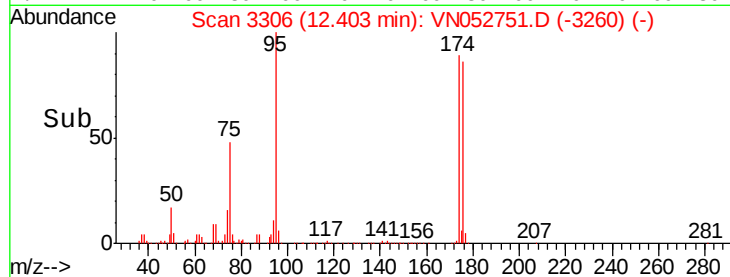
100000

50000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.511 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052751.D

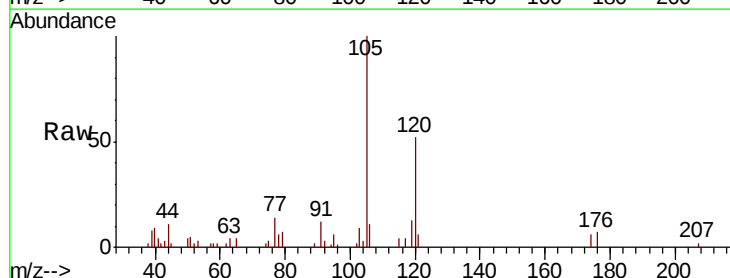
Acq: 10 Dec 2018 14:17

Tgt Ion:105 Resp: 21386

Ion Ratio Lower Upper

105 100

120 49.1 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052751.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052751.D (-3391) (-)

15000

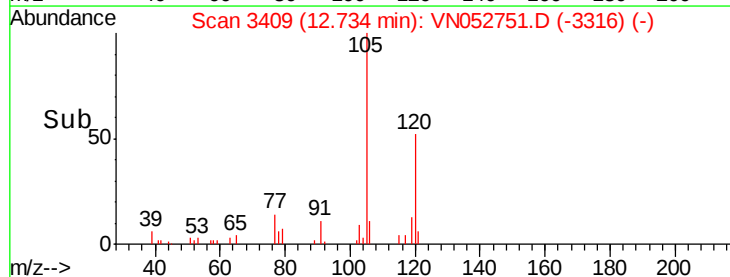
10000

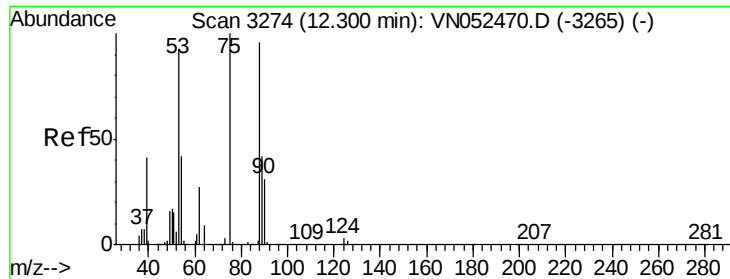
5000

0

12.70 12.73 12.76

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 114.097 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampled :

PB115448TB

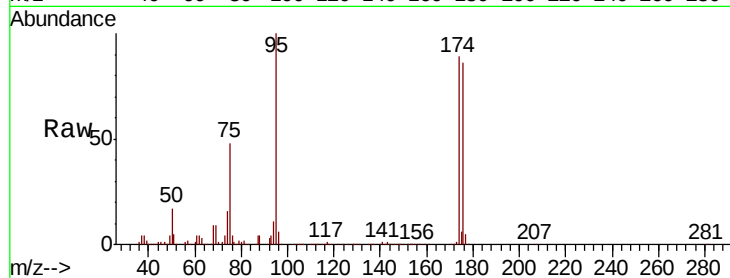
Tot Ion: 75 Resp: 352424

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

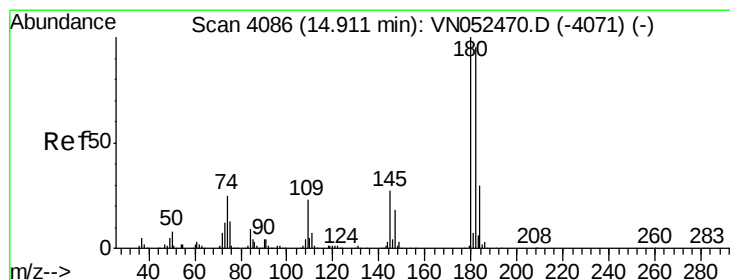
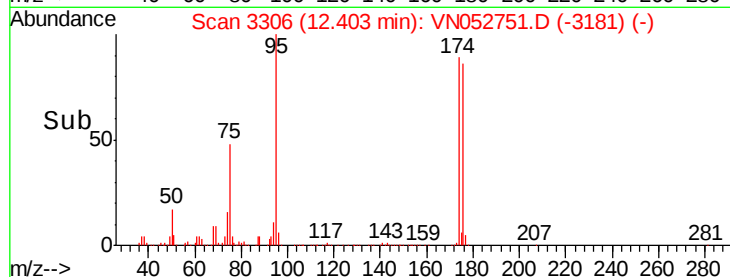
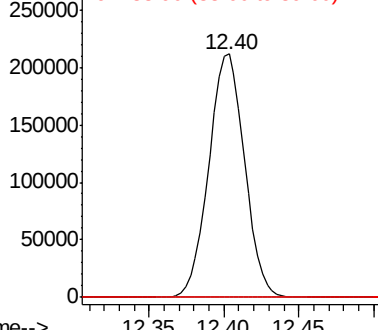
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 3.216 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

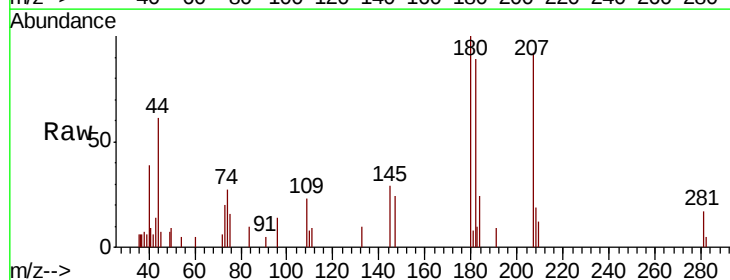
Tgt Ion:180 Resp: 4864

Ion Ratio Lower Upper

180 100

182 97.3 47.8 143.4

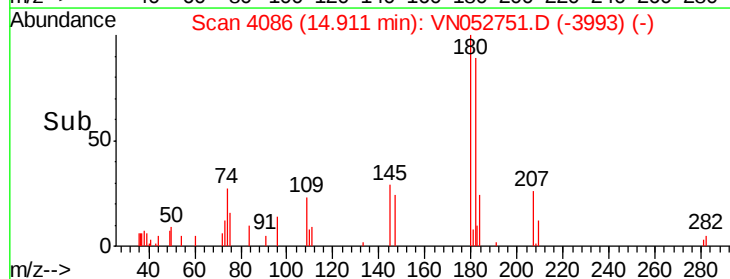
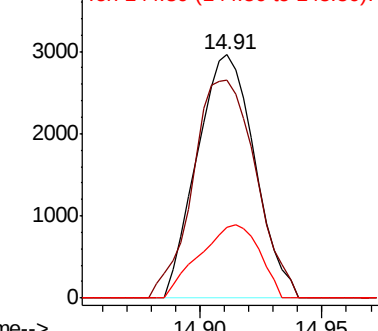
145 31.2 14.1 42.3

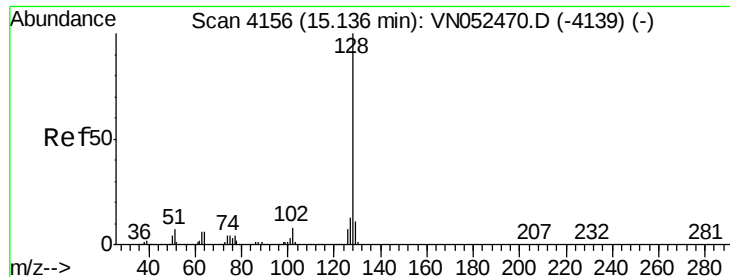


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.043 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

Instrument :

MSVOA\_N

ClientSampleId :

PB115448TB

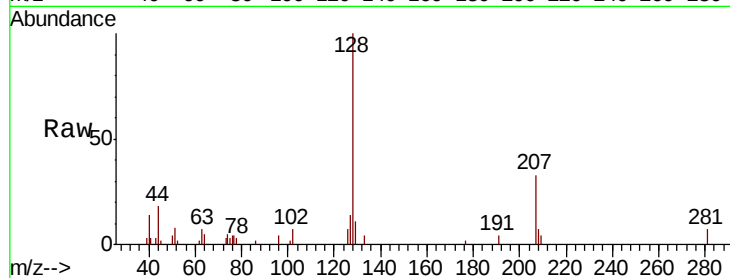
Tot Ion:128 Resp: 16616

Ion Ratio Lower Upper

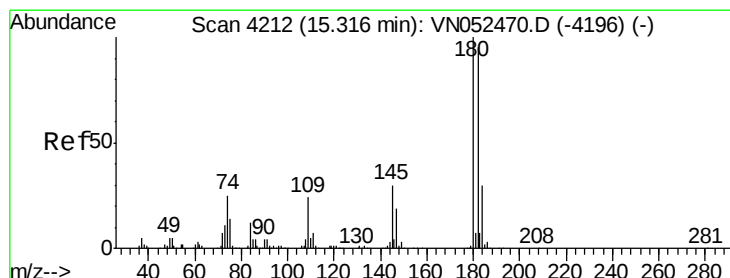
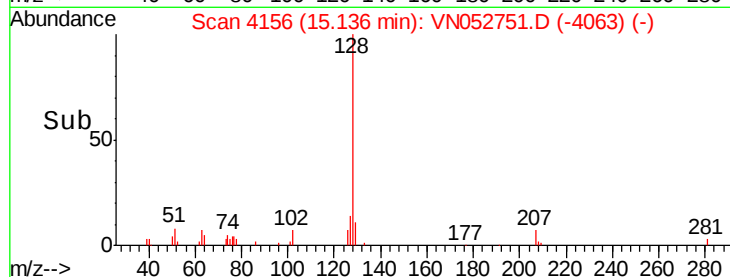
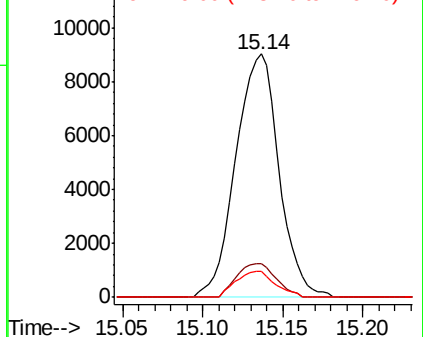
128 100

127 12.6 10.2 15.2

129 9.7 8.7 13.1



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: 3.177 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052751.D

Acq: 10 Dec 2018 14:17

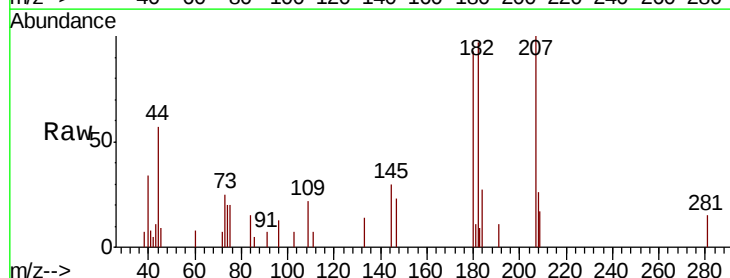
Tgt Ion:180 Resp: 5201

Ion Ratio Lower Upper

180 100

182 97.8 47.8 143.3

145 29.9 15.2 45.5



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

