

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\  
 Data File : VN052830.D  
 Acq On : 12 Dec 2018 16:36  
 Operator : MD\SY  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BFB

Quant Time: Dec 13 04:10:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 13 01:08:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1100375  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1652577  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1477066  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 711647   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 565263   | 48.31 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.62%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 466141   | 50.53 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.06% |      |
| 50) Toluene-d8            | 10.09  | 98  | 2024776  | 50.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.24% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 702384   | 51.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.66% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 558533  | 49.309  | ug/l | 100    |
| 3) Chloromethane              | 2.06 | 50  | 651142  | 47.896  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 651896  | 47.930  | ug/l | 100    |
| 5) Bromomethane               | 2.57 | 94  | 398994  | 47.562  | ug/l | 99     |
| 6) Chloroethane               | 2.71 | 64  | 374649  | 46.602  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 830218  | 49.235  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 309535  | 50.322  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 527366  | 50.462  | ug/l | 99     |
| 10) Methyl Iodide             | 3.96 | 142 | 685842  | 46.861  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.78 | 59  | 142816  | 218.456 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 494945  | 48.923  | ug/l | 100    |
| 13) Acrolein                  | 3.61 | 56  | 169293  | 275.045 | ug/l | 100    |
| 14) Allyl chloride            | 4.33 | 41  | 845047  | 51.140  | ug/l | 95     |
| 15) Acrylonitrile             | 4.99 | 53  | 910558  | 248.271 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 627369  | 238.746 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.06 | 76  | 1521081 | 48.943  | ug/l | 100    |
| 18) Methyl Acetate            | 4.32 | 43  | 464662  | 48.182  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 1356030 | 49.373  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 554129  | 46.859  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 522588  | 47.679  | ug/l | 100    |
| 22) Diisopropyl ether         | 5.95 | 45  | 1708540 | 48.466  | ug/l | 100    |
| 23) Vinyl Acetate             | 5.90 | 43  | 5367040 | 255.860 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 987549  | 48.578  | ug/l | 100    |
| 25) 2-Butanone                | 6.83 | 43  | 998682  | 244.933 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 752226  | 50.247  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 600757  | 48.293  | ug/l | 99     |
| 28) Bromochloromethane        | 7.20 | 49  | 442721  | 48.498  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 686388  | 246.587 | ug/l | 100    |
| 30) Chloroform                | 7.37 | 83  | 954794  | 48.163  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 969440  | 48.883  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 808278  | 48.732  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 774444  | 50.890  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 468335  | 51.229  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 718220  | 51.274  | ug/l | 100    |

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 MSVOA\_N  
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 BFB

Quant Time: Dec 13 04:10:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 13 01:08:35 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 983098   | 52.642  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 2278179  | 49.878  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 224172   | 44.256  | ug/l   | 90       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 682088   | 49.604  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 856185   | 45.678  | ug/l   | 100      |
| 44) Trichloroethene            | 8.84  | 130  | 614615   | 49.818  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 597814   | 49.970  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 342707   | 49.395  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.40  | 83   | 724067   | 50.326  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 432229   | 52.583  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 73541    | 788.195 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2219034  | 258.184 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 1391093  | 50.286  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 763411   | 52.729  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 889118   | 51.536  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 492481   | 49.871  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 671651   | 52.998  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 849687   | 50.176  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 1837678  | 259.877 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 1555712  | 264.121 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 548182   | 51.363  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 499223   | 51.144  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 623726   | 49.132  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 1531293  | 49.971  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 536850   | 50.373  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 2688440  | 51.087  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 2037660  | 103.120 | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 976019   | 50.583  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 1622573  | 52.311  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 376305   | 51.973  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 2638779  | 49.663  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 758704   | 52.011  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 574653   | 48.257  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 762344   | 72.607  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 662130   | 48.994  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 3079194  | 50.813  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 1758808  | 49.094  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 2153194  | 50.200  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 174807   | 53.485  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1820753  | 49.708  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1891562  | 49.993  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2170944  | 49.995  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 2607021  | 50.877  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 2282538  | 51.415  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1198362  | 49.898  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1185956  | 49.865  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1967493  | 52.645  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 376825   | 50.691  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1132367  | 49.016  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 92254    | 51.394  | ug/l   | 99       |

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Sample : VSTDICV050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 15 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
BFB

Quant Time: Dec 13 04:10:46 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 13 01:08:35 2018  
Response via : Initial Calibration

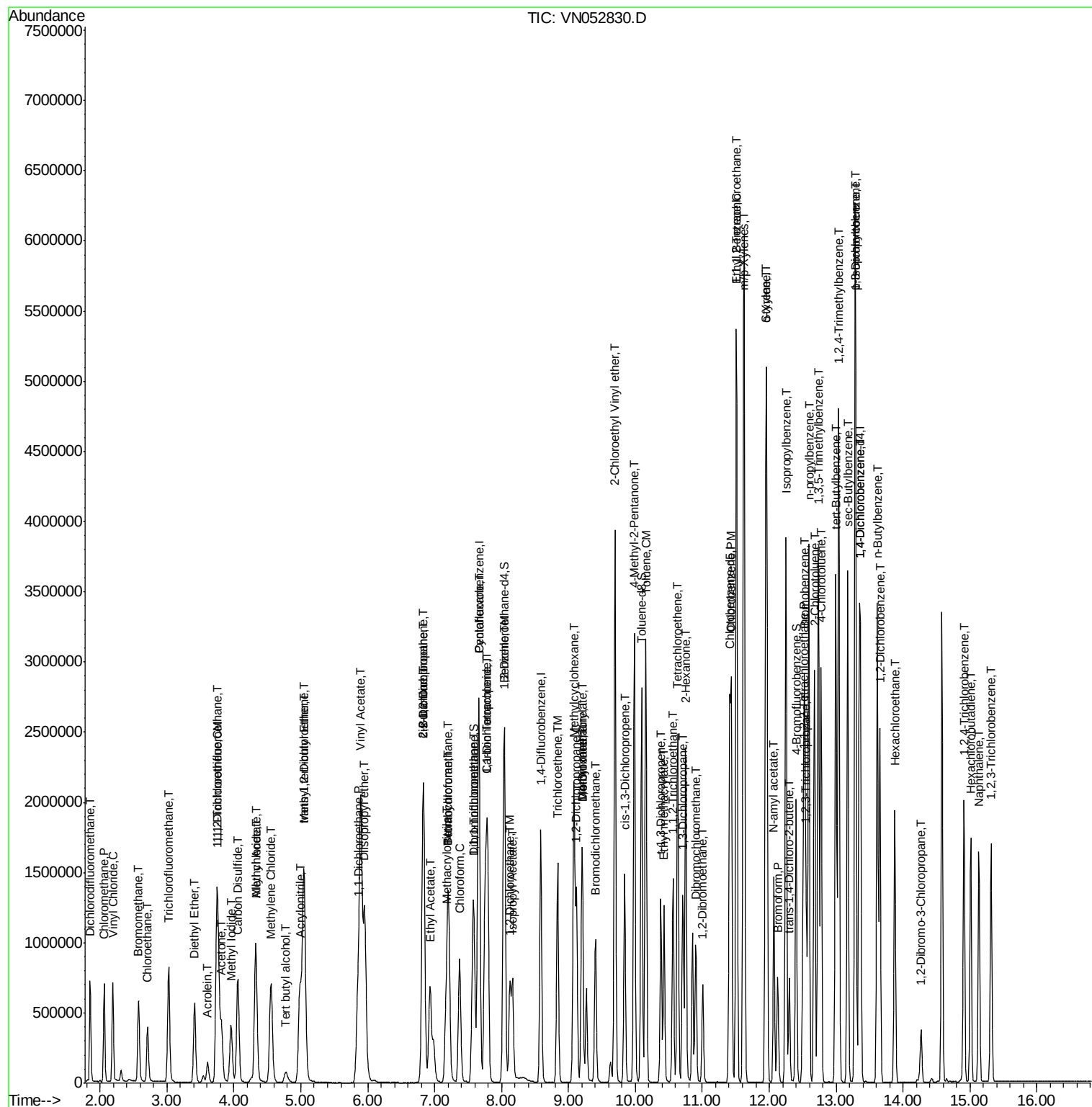
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 696354   | 55.452 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 379522   | 52.213 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 1436506  | 55.231 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 635231   | 55.128 | ug/l  | 100      |

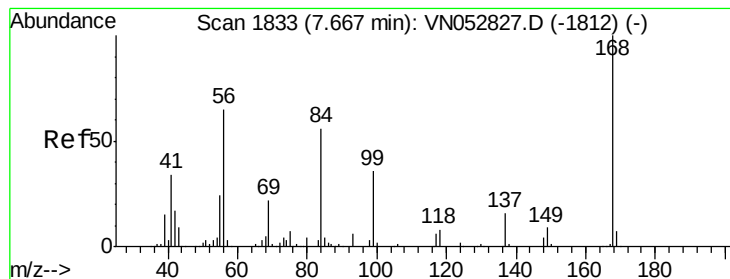
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121218\  
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Quant Title : SW846 8260  
QLast Update : Thu Dec 13 01:08:35 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: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

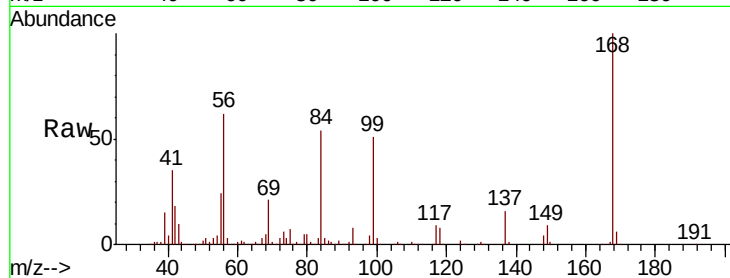
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Tot Ion:168 Resp: 1100375

Ion Ratio Lower Upper

168 100

99 51.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

300000

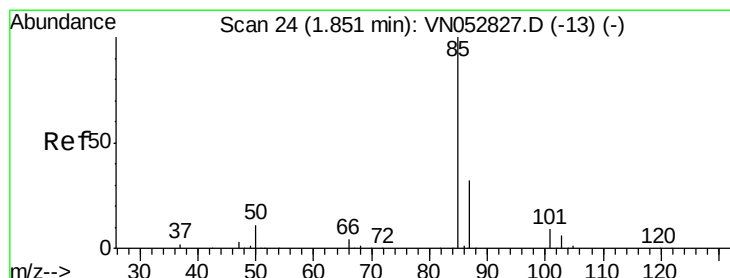
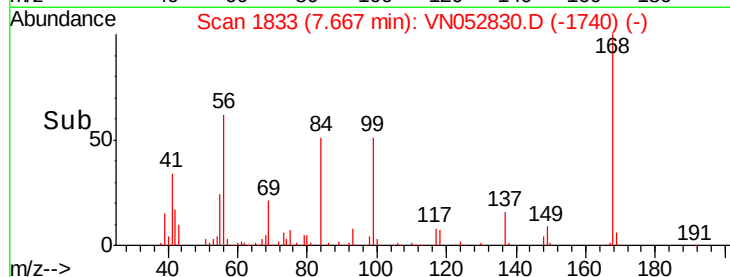
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 49.309 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052830.D

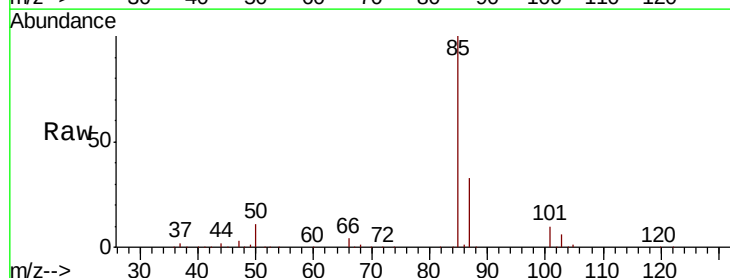
Acq: 12 Dec 2018 16:36

Tgt Ion: 85 Resp: 558533

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400000

300000

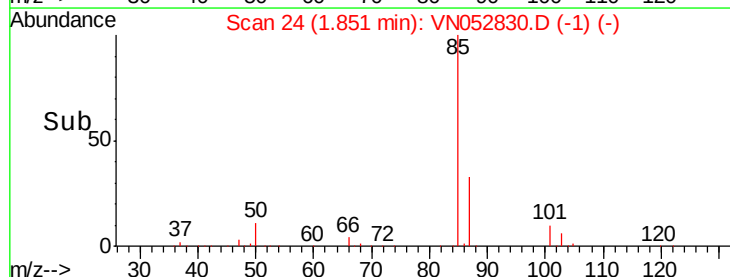
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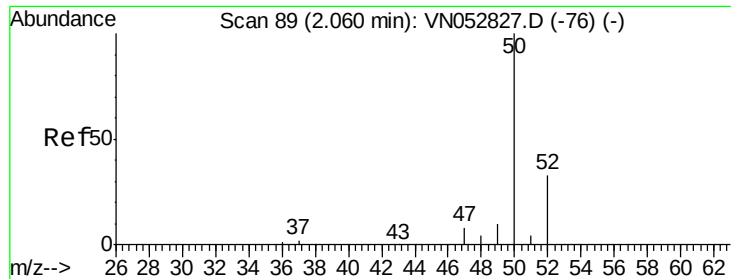
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.896 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

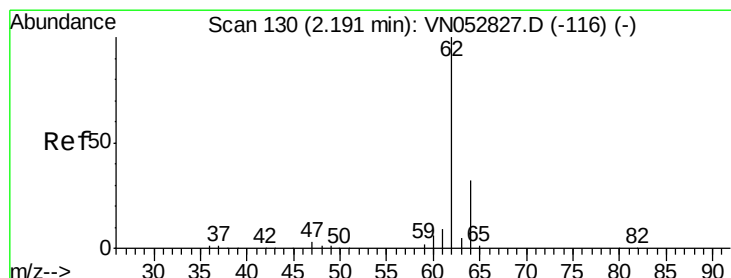
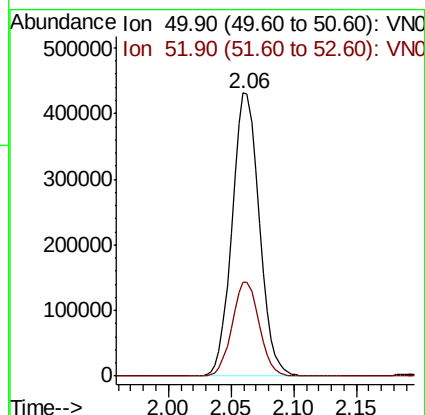
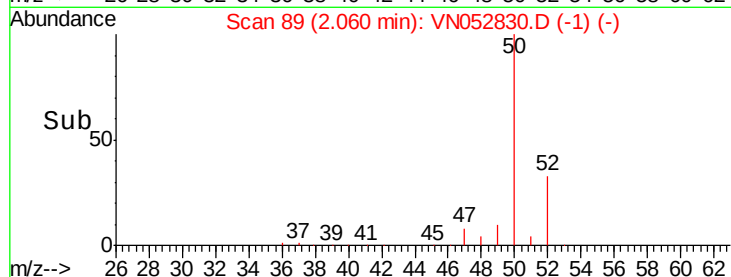
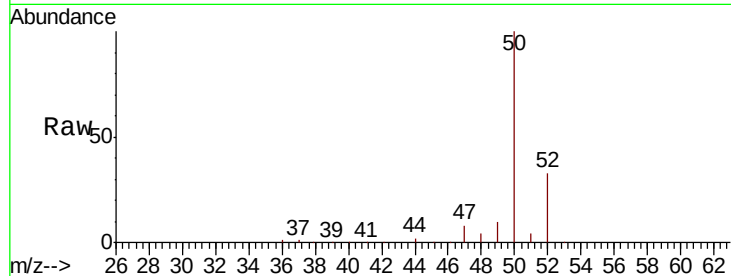
BFB

Tot Ion: 50 Resp: 651142

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.4



#4

Vinyl Chloride

Concen: 47.930 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052830.D

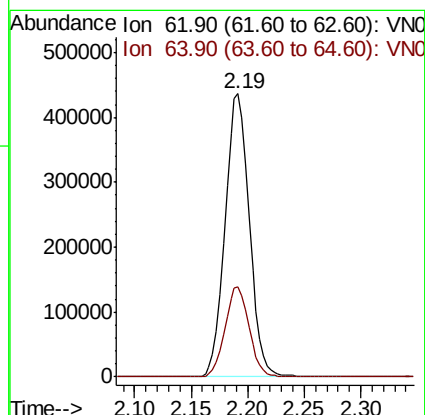
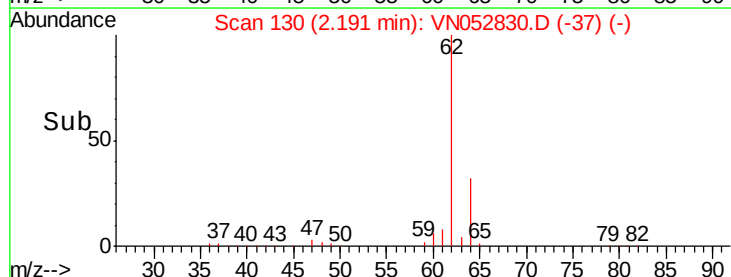
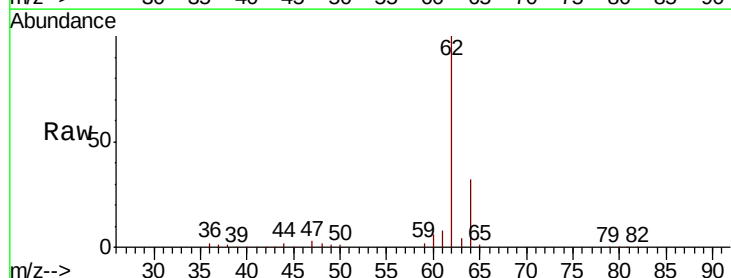
Acq: 12 Dec 2018 16:36

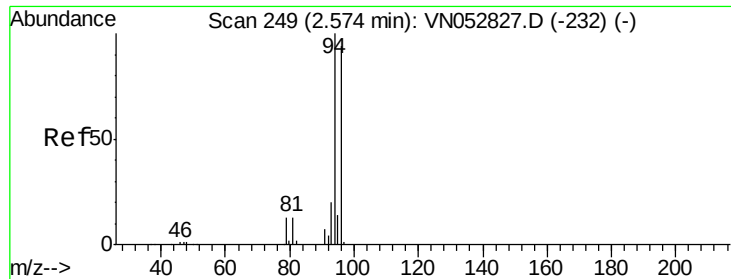
Tgt Ion: 62 Resp: 651896

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3

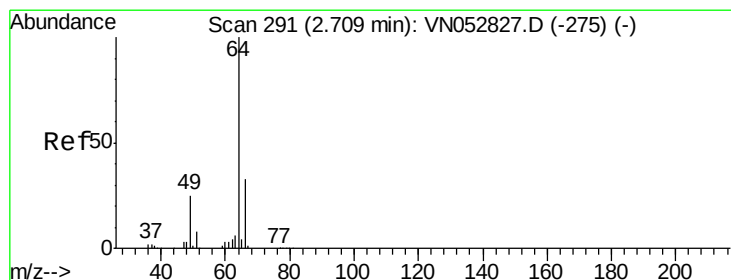
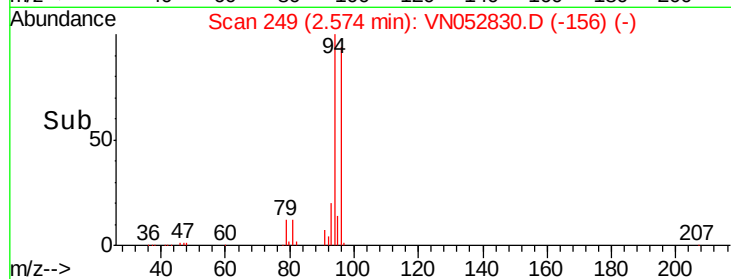
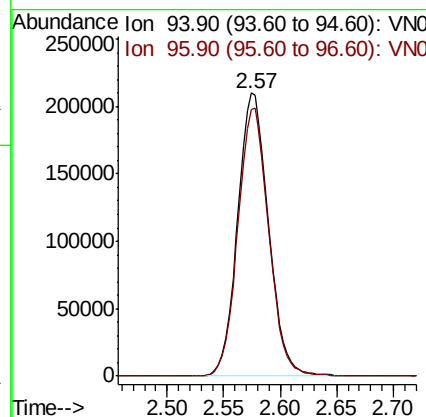
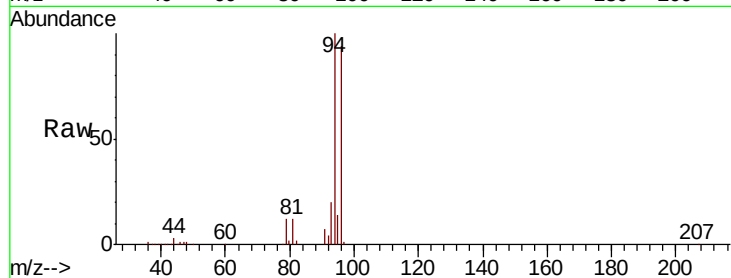




#5  
Bromomethane  
Concen: 47.562 ug/l  
RT: 2.57 min Scan# 249  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

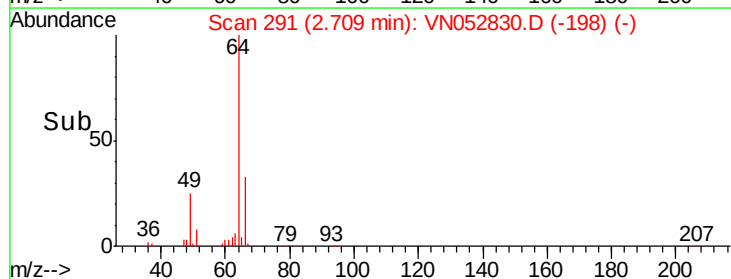
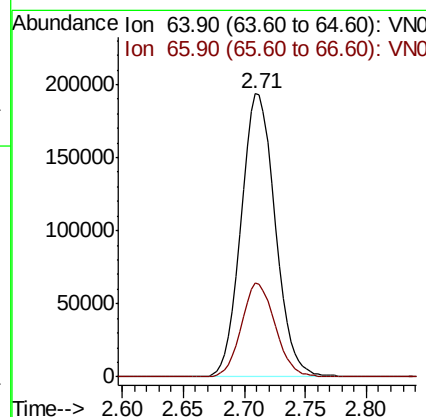
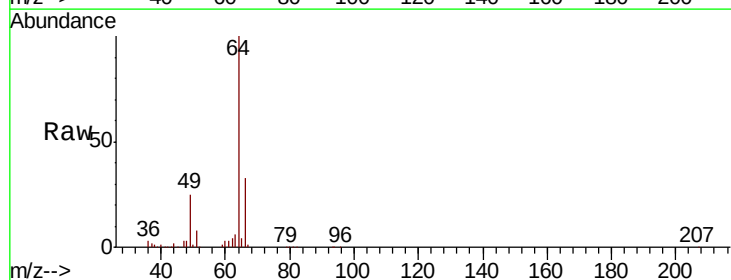
Instrument :  
MSVOA\_N  
ClientSampleId :  
BFB

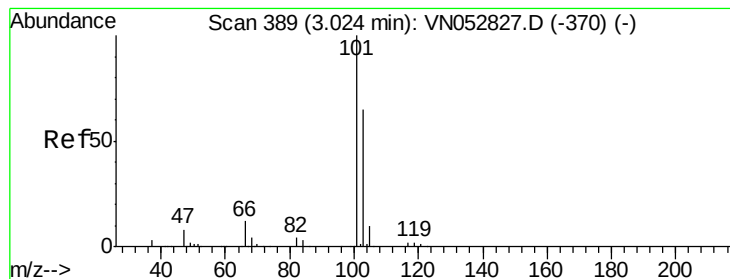
Tot Ion: 94 Resp: 398994  
Ion Ratio Lower Upper  
94 100  
96 94.2 75.0 112.4



#6  
Chloroethane  
Concen: 46.602 ug/l  
RT: 2.71 min Scan# 291  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion: 64 Resp: 374649  
Ion Ratio Lower Upper  
64 100  
66 33.1 26.2 39.2



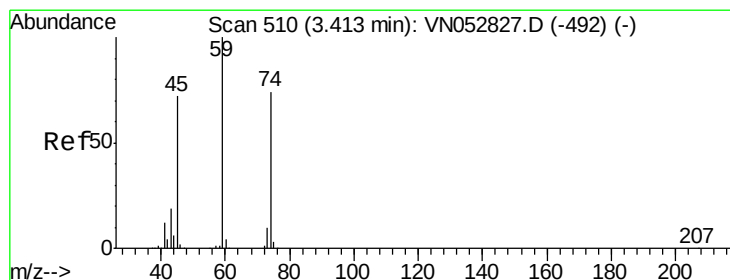
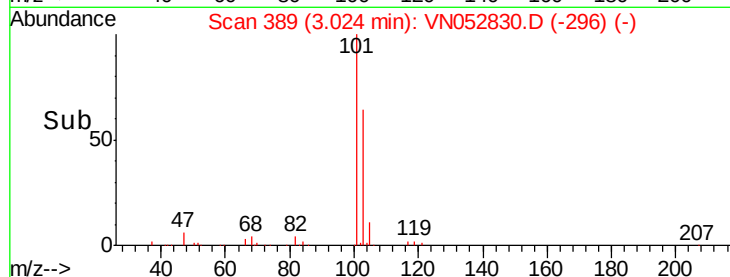
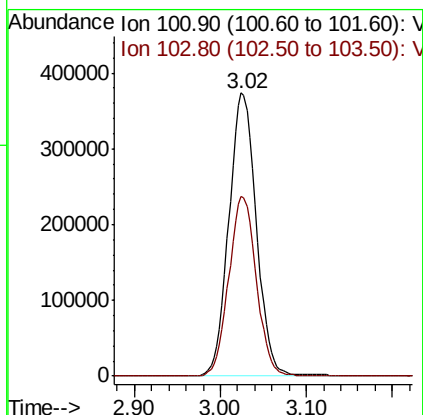
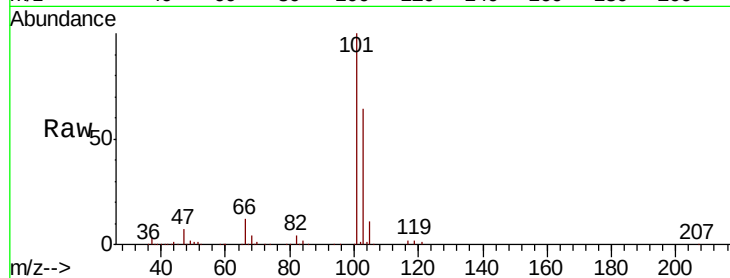


#7

Trichlorofluoromethane  
 Concen: 49.235 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BFB

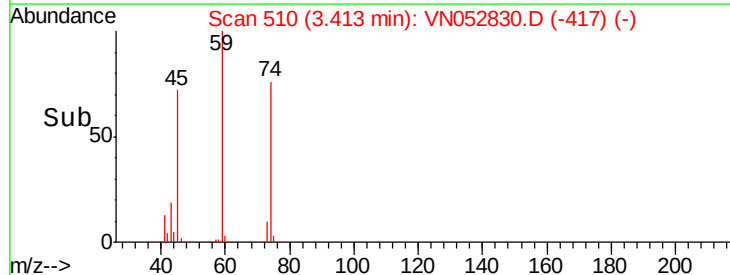
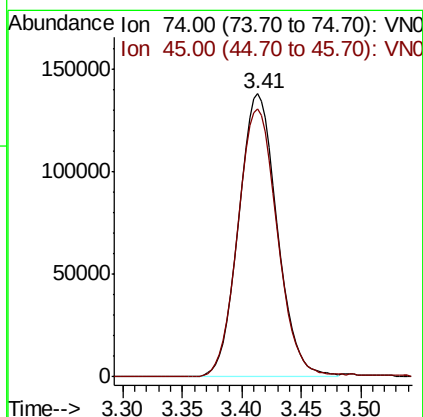
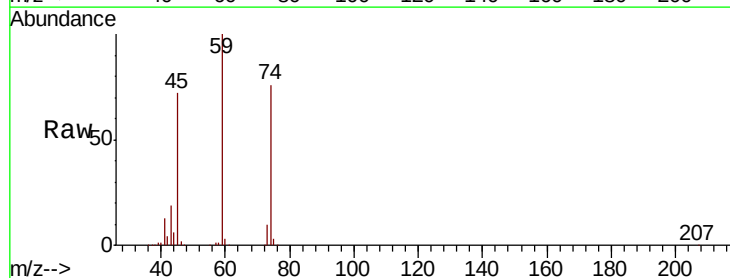
Tot Ion:101 Resp: 830218  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 51.8 77.6



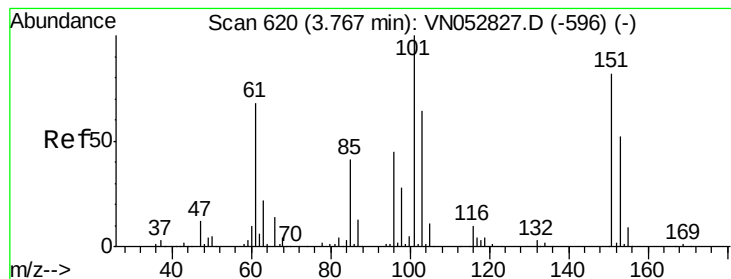
#8

Diethyl Ether  
 Concen: 50.322 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Tgt Ion: 74 Resp: 309535  
 Ion Ratio Lower Upper  
 74 100  
 45 97.3 49.4 148.0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.462 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

BFB

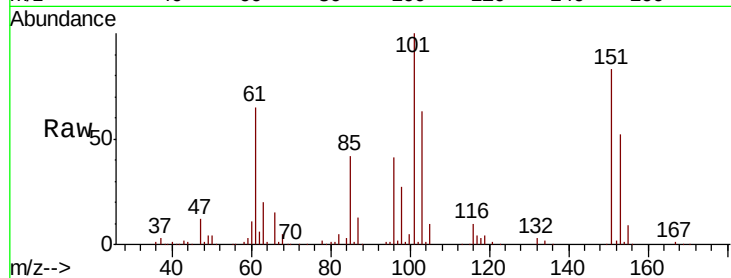
Tot Ion:101 Resp: 527366

Ion Ratio Lower Upper

101 100

85 41.9 33.6 50.4

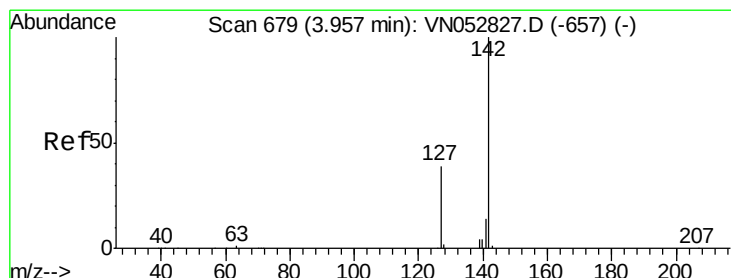
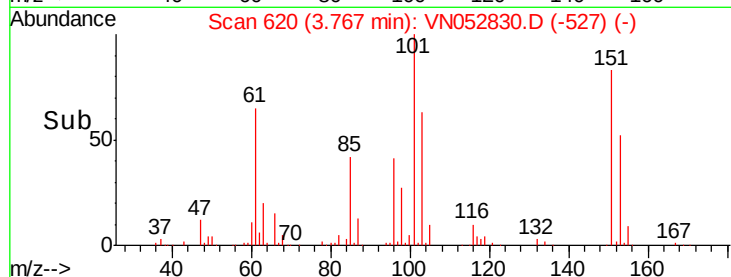
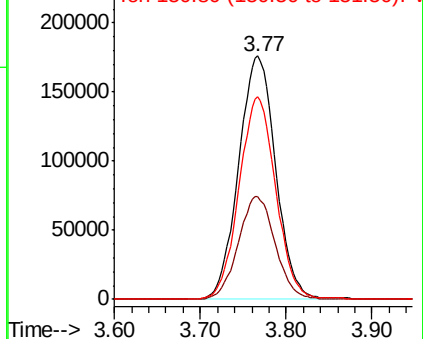
151 82.7 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.861 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

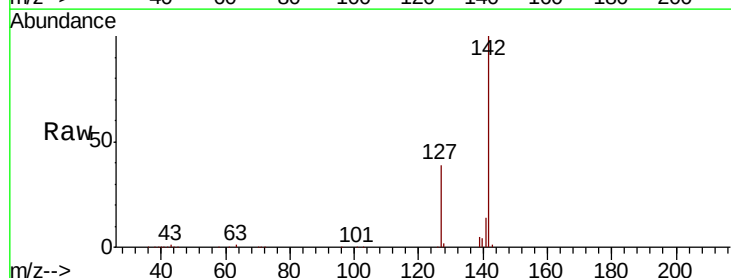
Tgt Ion:142 Resp: 685842

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.6

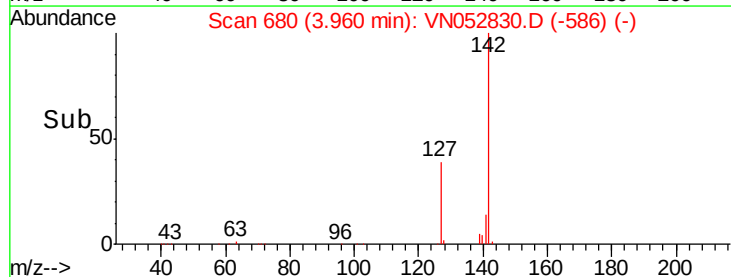
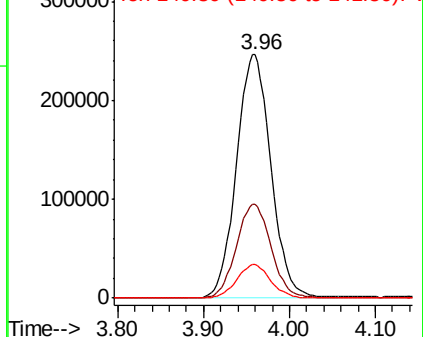
141 13.6 11.2 16.8

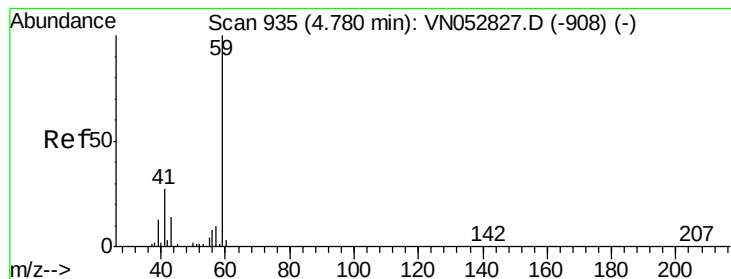


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 218.456 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

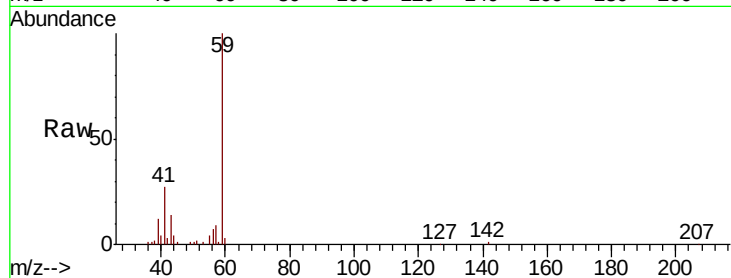
BFB

Tot Ion: 59 Resp: 142816

Ion Ratio Lower Upper

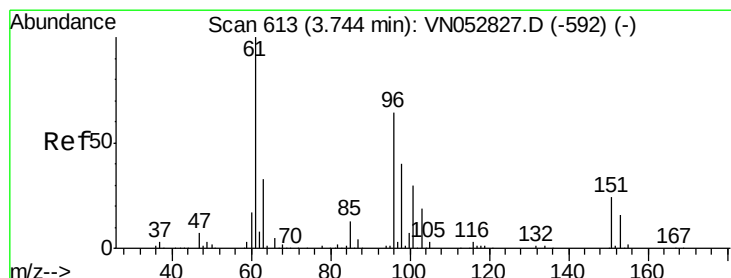
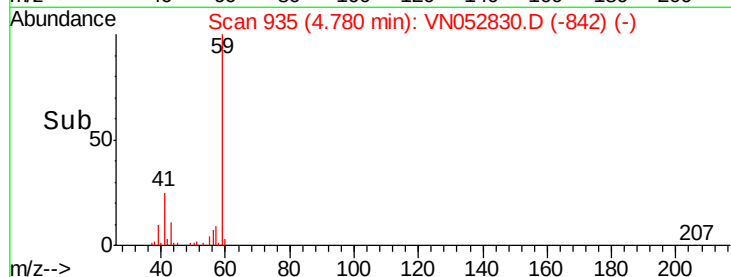
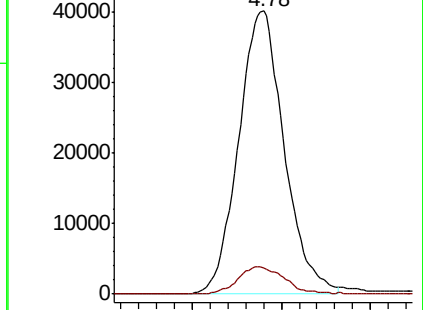
59 100

57 9.9 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN052827.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN052827.D (-908) (-)



#12

1,1-Dichloroethene

Concen: 48.923 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

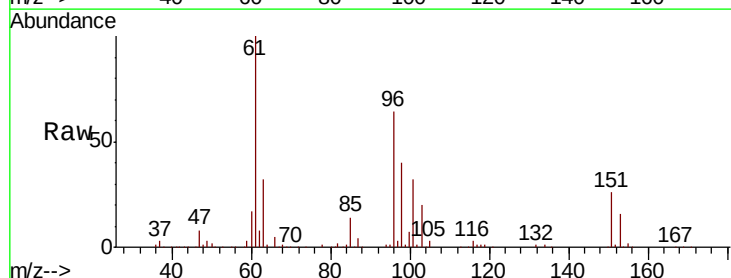
Tgt Ion: 96 Resp: 494945

Ion Ratio Lower Upper

96 100

61 156.5 125.6 188.4

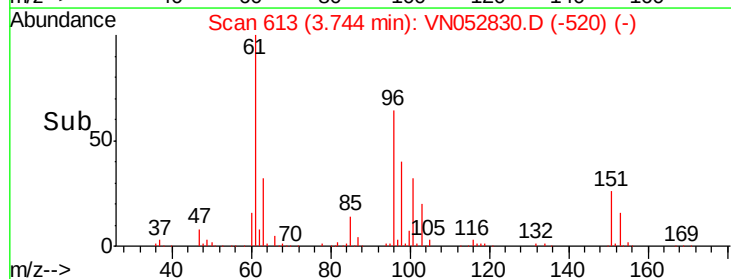
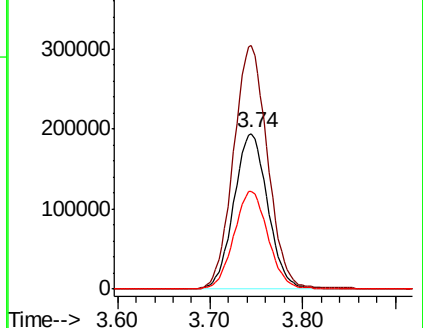
98 63.0 50.6 75.8

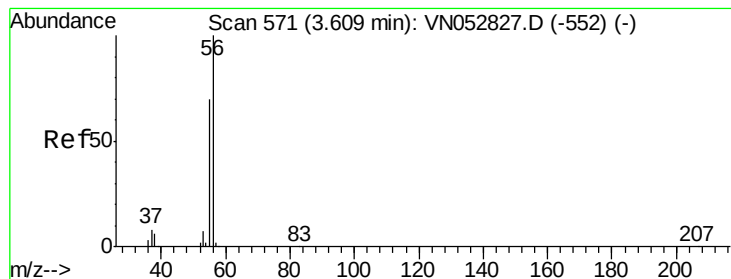


Abundance Ion 95.90 (95.60 to 96.60): VN052827.D (-592) (-)

Ion 60.90 (60.60 to 61.60): VN052827.D (-592) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-592) (-)





#13

Acrolein

Concen: 275.045 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

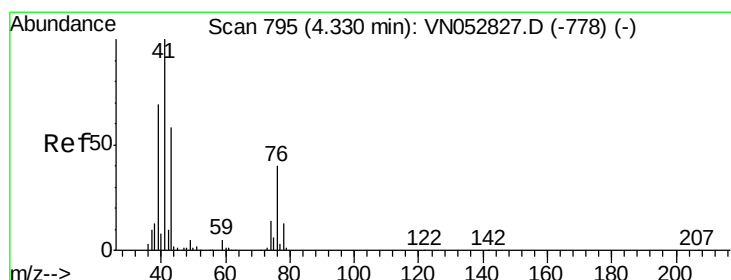
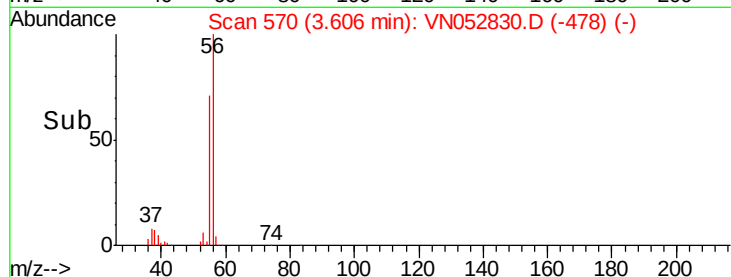
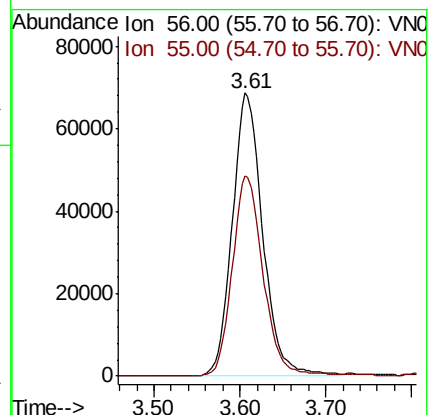
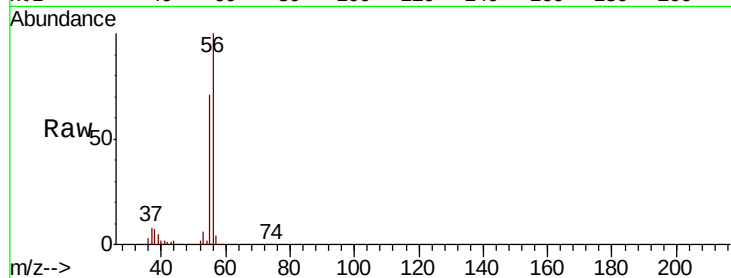
BFB

Tot Ion: 56 Resp: 169293

Ion Ratio Lower Upper

56 100

55 70.5 56.6 85.0



#14

Allyl chloride

Concen: 51.140 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

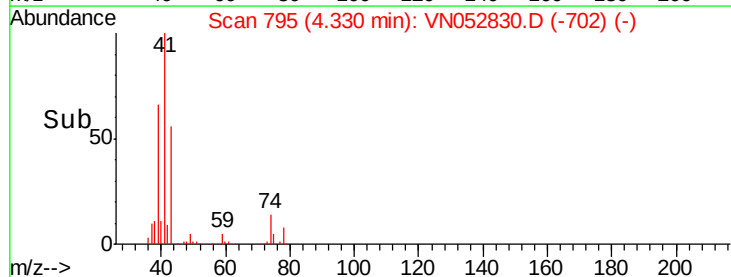
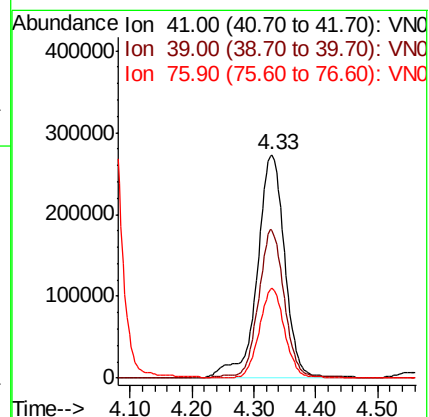
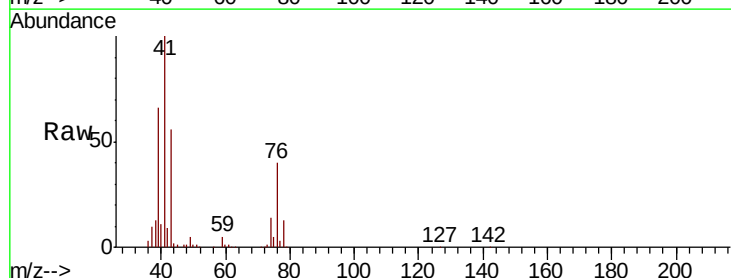
Tgt Ion: 41 Resp: 845047

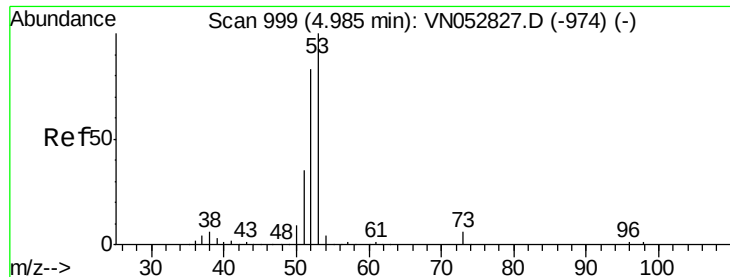
Ion Ratio Lower Upper

41 100

39 62.4 54.1 81.1

76 35.9 30.3 45.5





#15

Acrylonitrile

Concen: 248.271 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

BFB

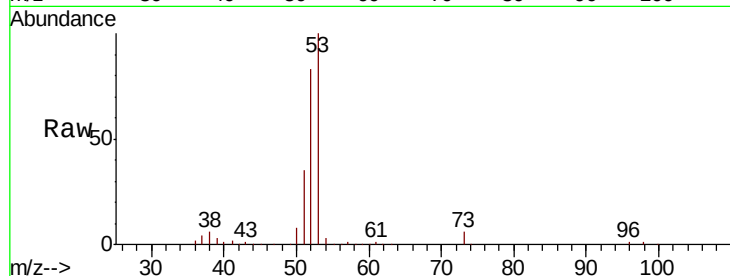
Tot Ion: 53 Resp: 910558

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

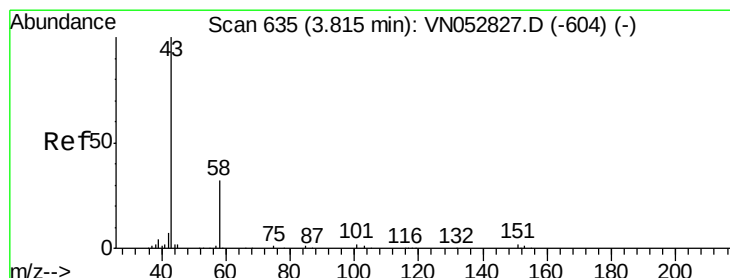
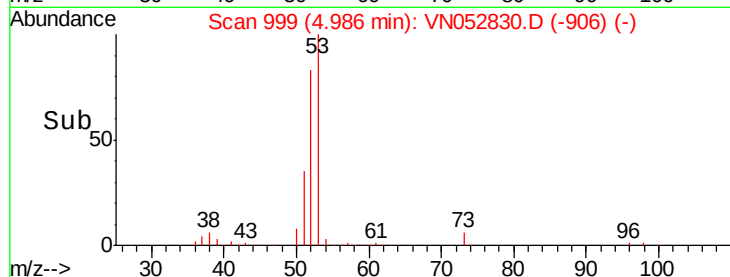
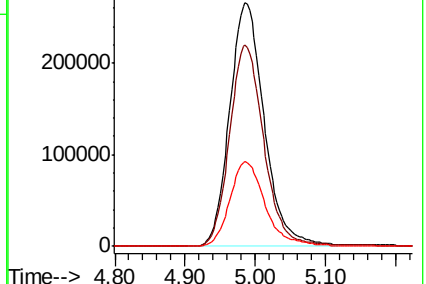
51 35.7 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052827.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN052827.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN052827.D (-974) (-)



#16

Acetone

Concen: 238.746 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052830.D

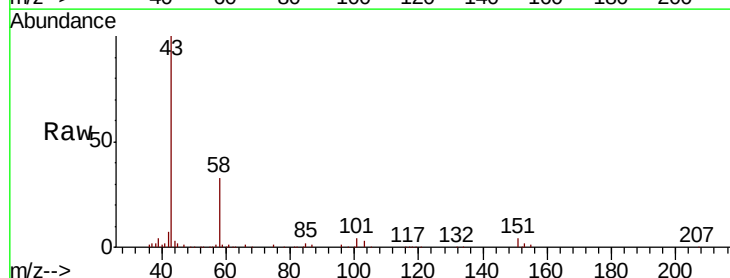
Acq: 12 Dec 2018 16:36

Tgt Ion: 43 Resp: 627369

Ion Ratio Lower Upper

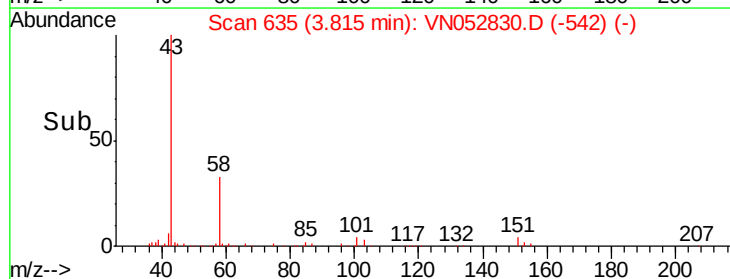
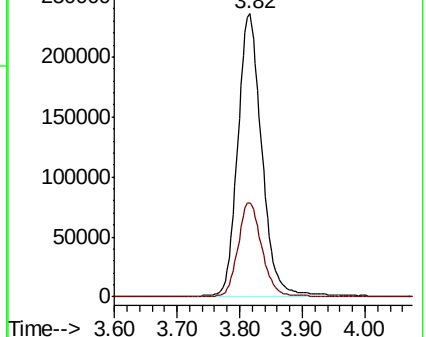
43 100

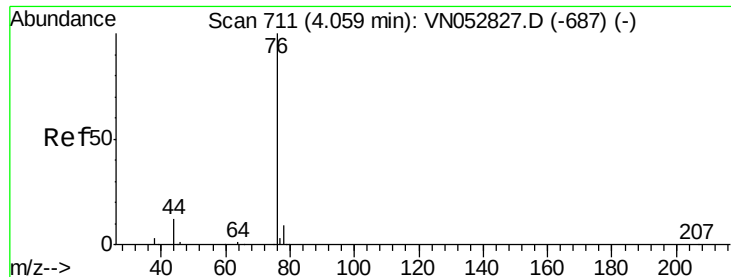
58 33.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052827.D (-604) (-)





#17

Carbon Disulfide

Concen: 48.943 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

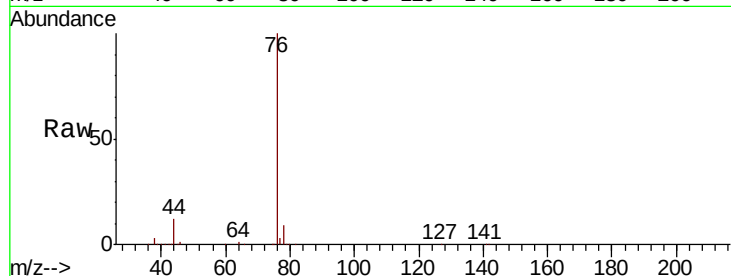
BFB

Tot Ion: 76 Resp: 1521081

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052827.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052827.D (-687) (-)

4.06

600000

500000

400000

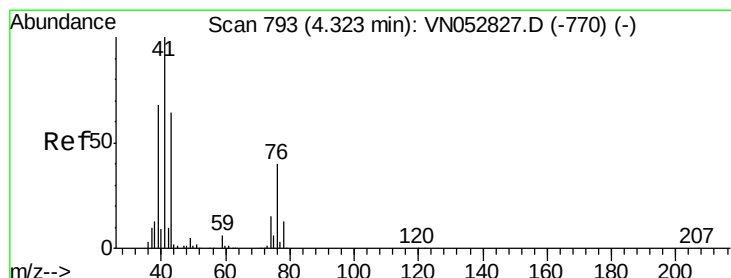
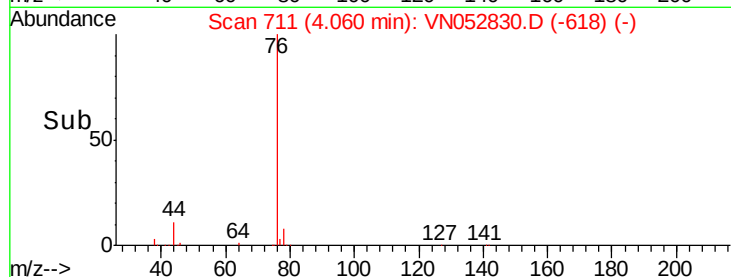
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 48.182 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052830.D

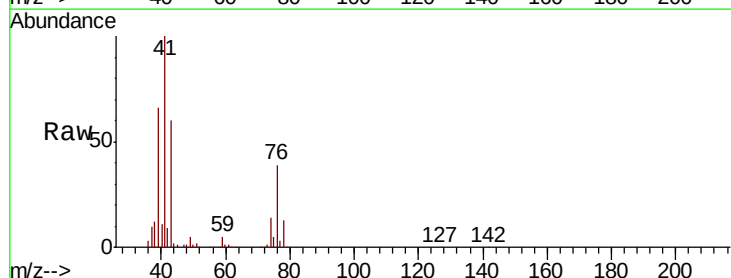
Acq: 12 Dec 2018 16:36

Tgt Ion: 43 Resp: 464662

Ion Ratio Lower Upper

43 100

74 23.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN052827.D (-770) (-)

4.32

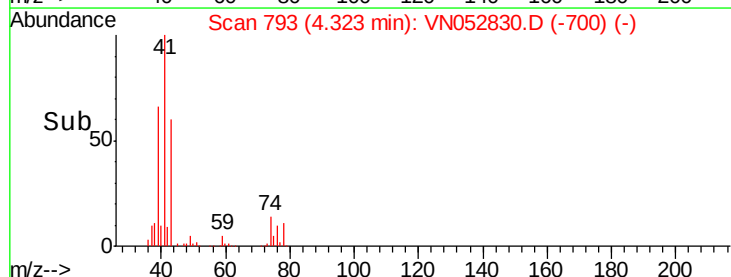
150000

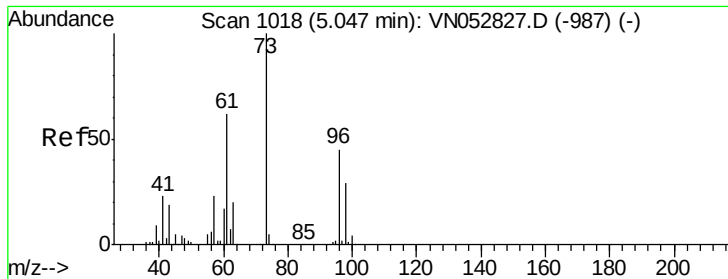
100000

50000

0

Time--> 4.20 4.30 4.40 4.50

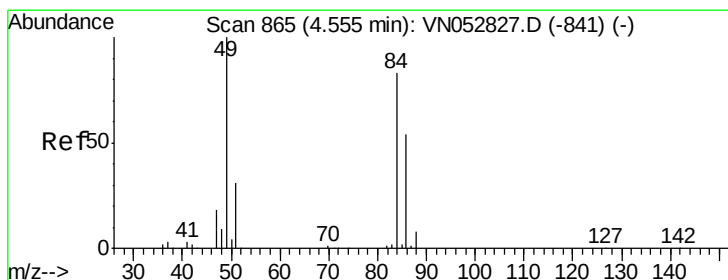
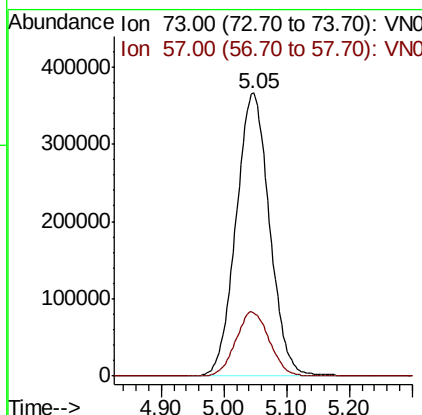
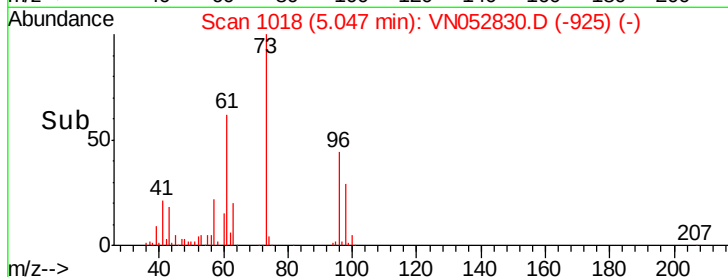
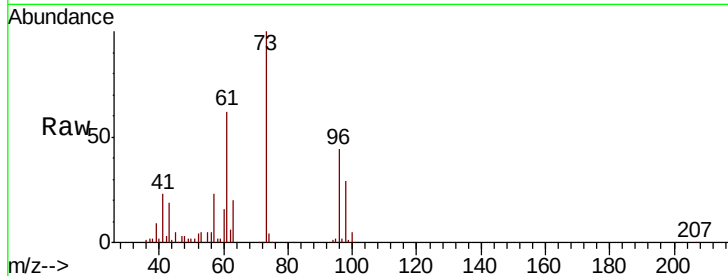




#19  
Methvl tert-butvl Ether  
Concen: 49.373 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

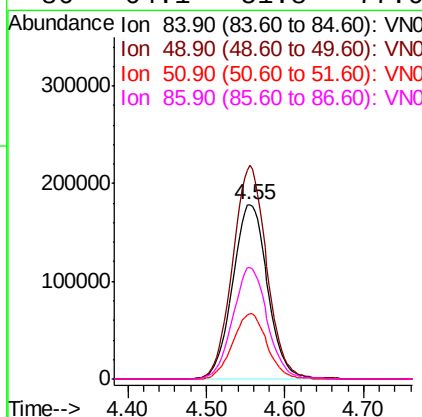
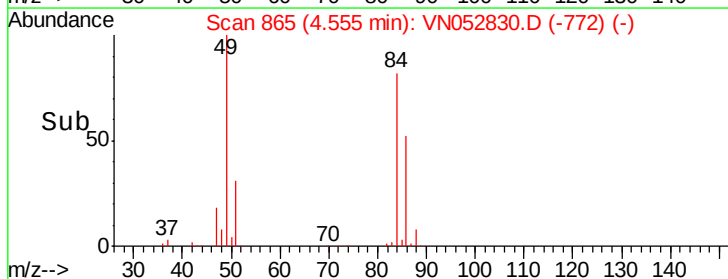
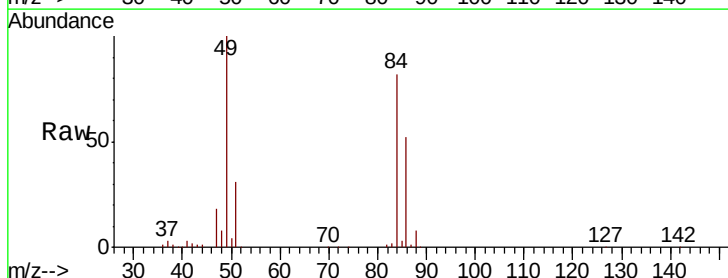
Instrument :  
MSVOA\_N  
ClientSampleId :  
BFB

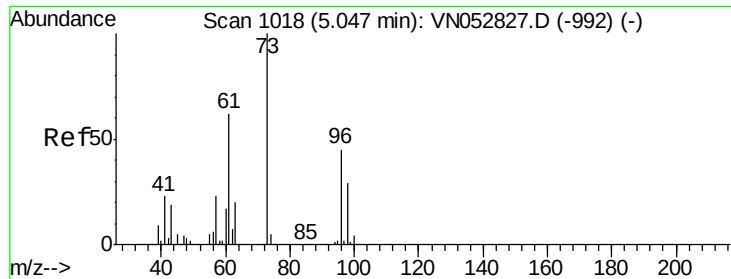
Tot Ion: 73 Resp: 1356030  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.4 27.6



#20  
Methylene Chloride  
Concen: 46.859 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion: 84 Resp: 554129  
Ion Ratio Lower Upper  
84 100  
49 122.3 96.8 145.2  
51 37.3 29.9 44.9  
86 64.1 51.8 77.6

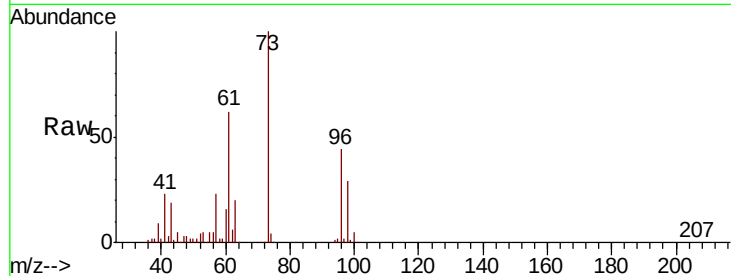




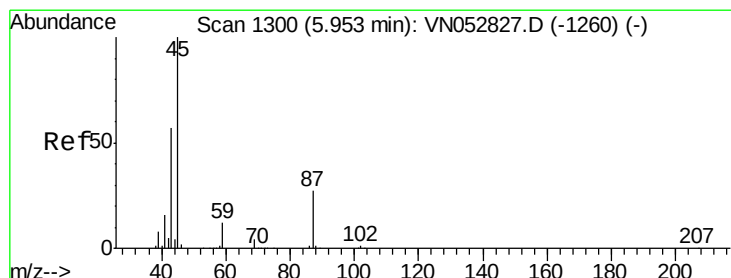
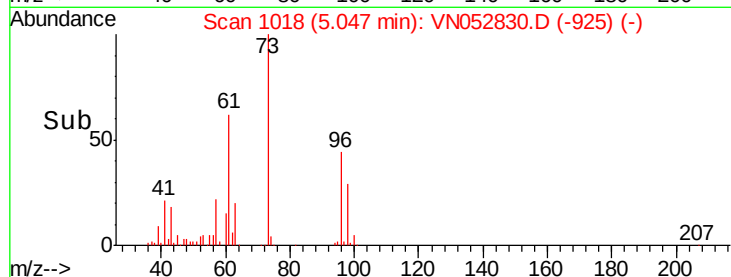
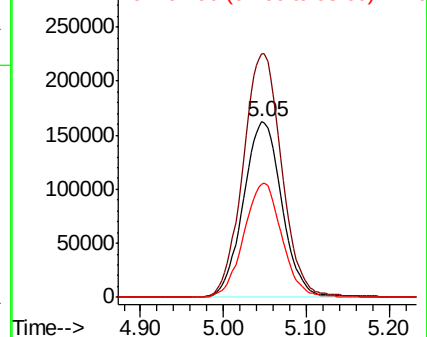
#21  
trans-1,2-Dichloroethene  
Concen: 47.679 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

Tot Ion: 96 Resp: 522588  
Ion Ratio Lower Upper  
96 100  
61 138.7 110.8 166.2  
98 64.8 51.4 77.2

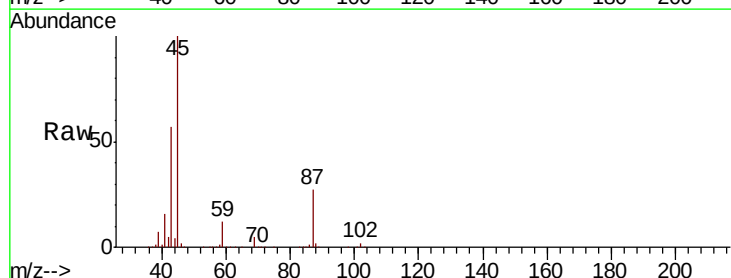


Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0

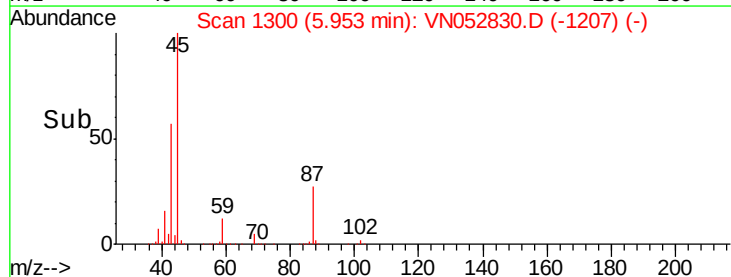
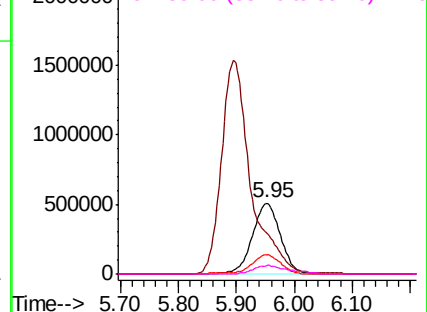


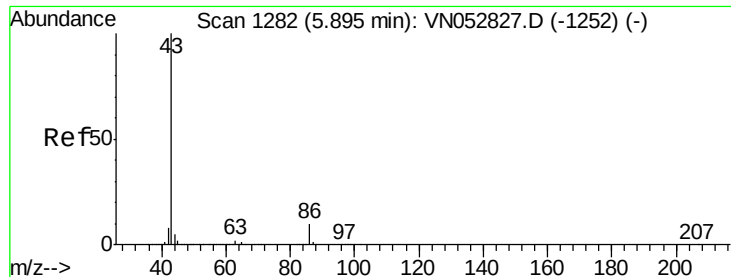
#22  
Diisopropyl ether  
Concen: 48.466 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion: 45 Resp: 1708540  
Ion Ratio Lower Upper  
45 100  
43 56.6 45.5 68.3  
87 27.3 22.0 33.0  
59 11.8 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 87.00 (86.70 to 87.70): VN0  
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 255.860 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

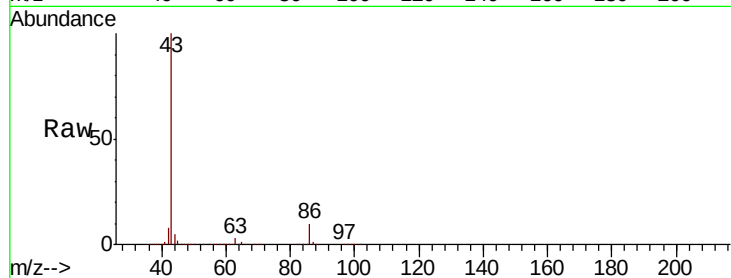
BFB

Tot Ion: 43 Resp: 5367040

Ion Ratio Lower Upper

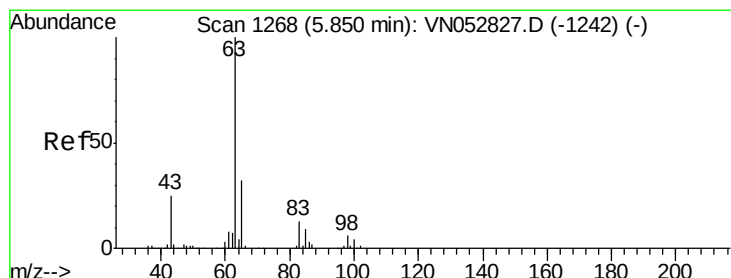
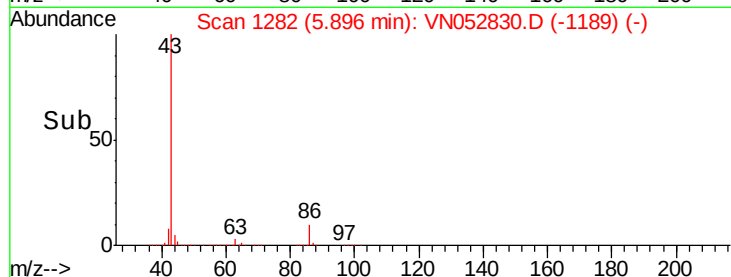
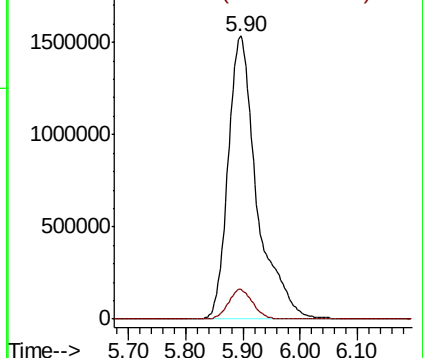
43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN052827.D (-1252) (-)



#24

1,1-Dichloroethane

Concen: 48.578 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

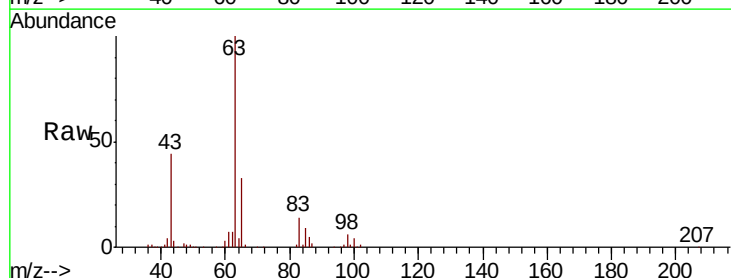
Tgt Ion: 63 Resp: 987549

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

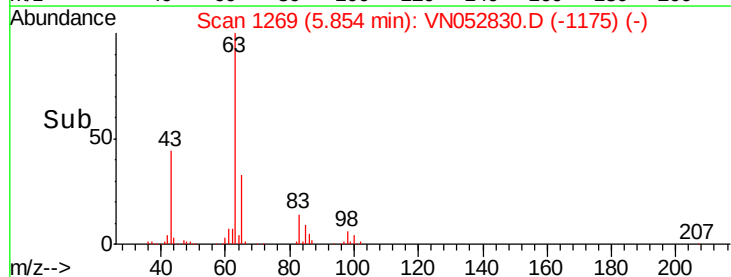
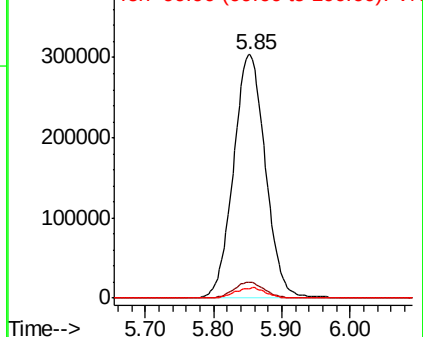
100 4.1 2.0 5.8



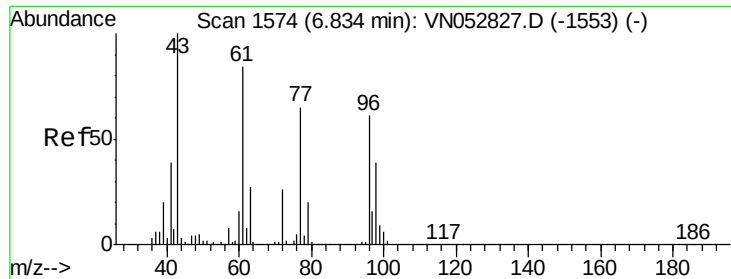
Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052827.D (-1242) (-)



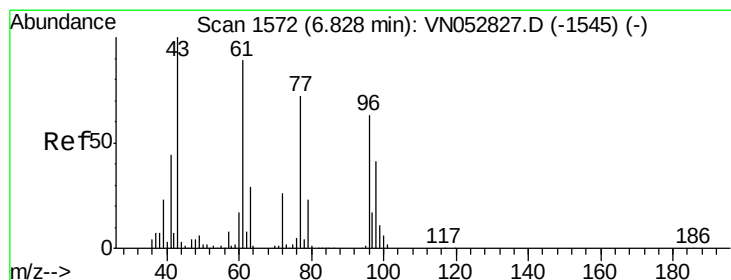
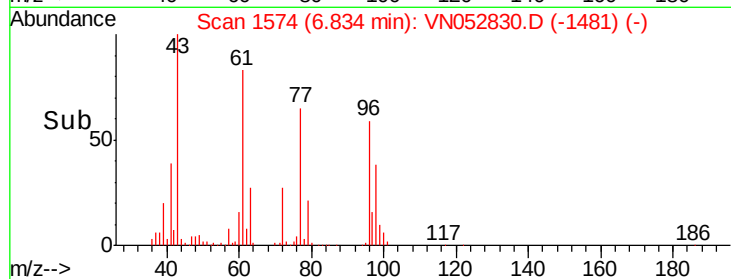
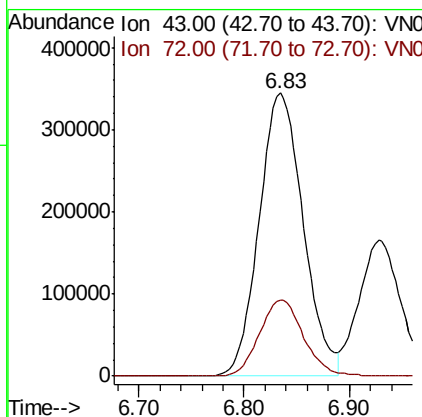
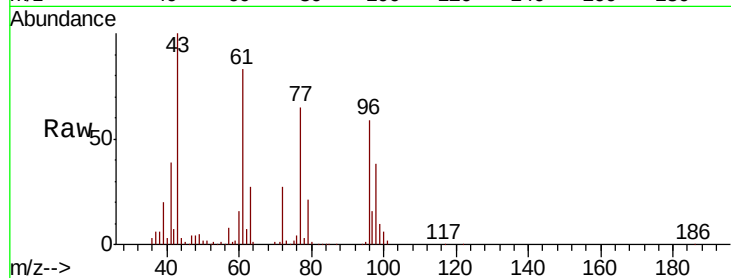




#25  
 2-Butanone  
 Concen: 244.933 ug/l  
 RT: 6.83 min Scan# 1574  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

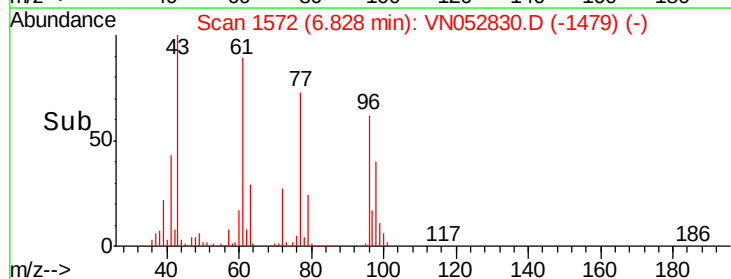
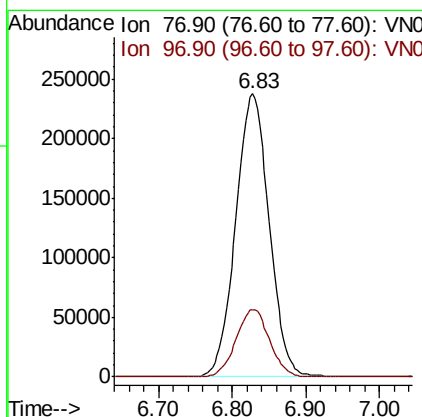
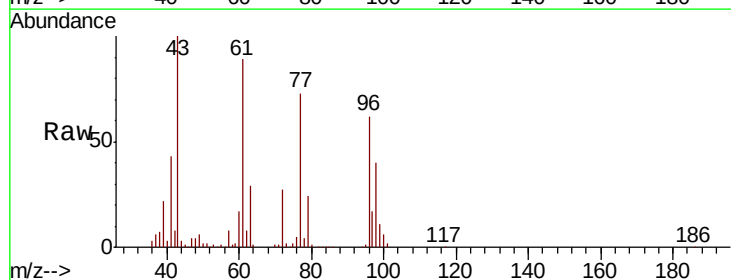
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BFB

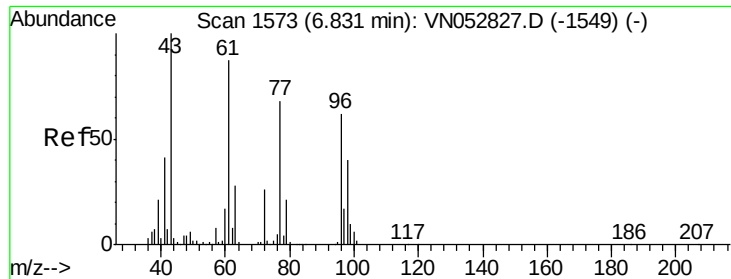
Tot Ion: 43 Resp: 998682  
 Ion Ratio Lower Upper  
 43 100  
 72 27.1 21.0 31.6



#26  
 2,2-Dichloropropane  
 Concen: 50.247 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Tgt Ion: 77 Resp: 752226  
 Ion Ratio Lower Upper  
 77 100  
 97 24.0 11.9 35.9

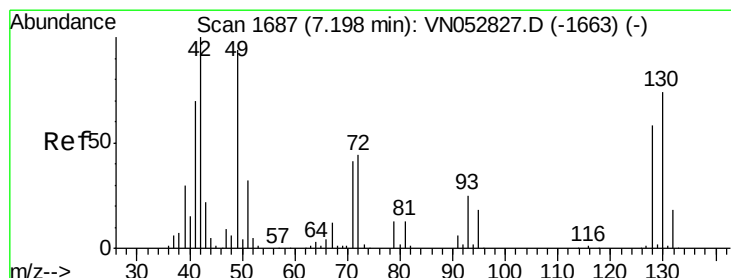
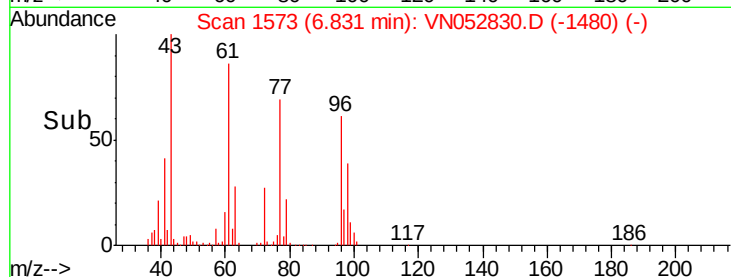
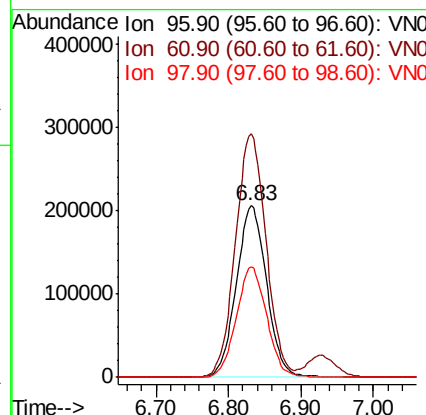
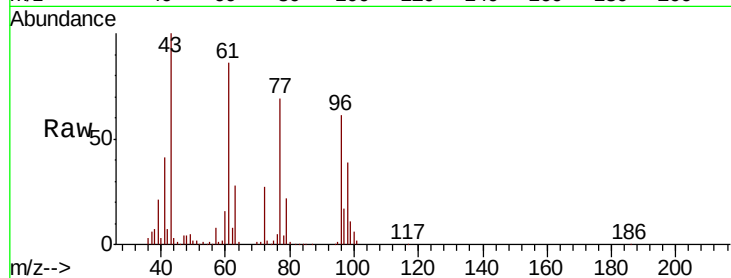




#27  
 cis-1,2-Dichloroethene  
 Concen: 48.293 ug/l  
 RT: 6.83 min Scan# 1573  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

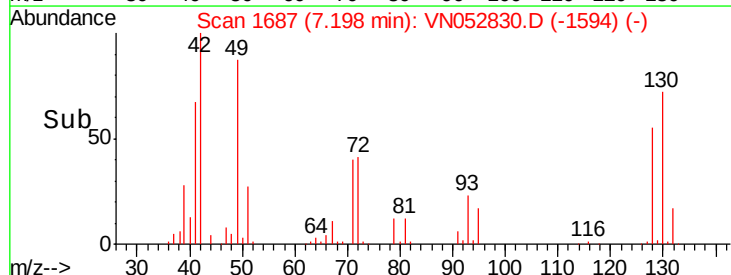
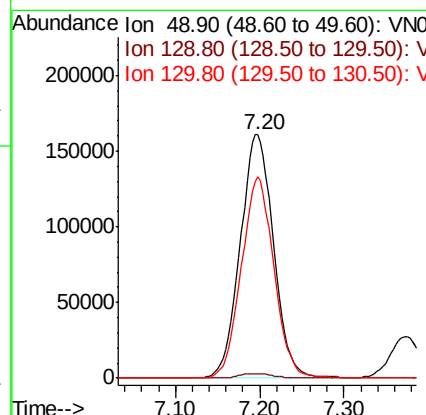
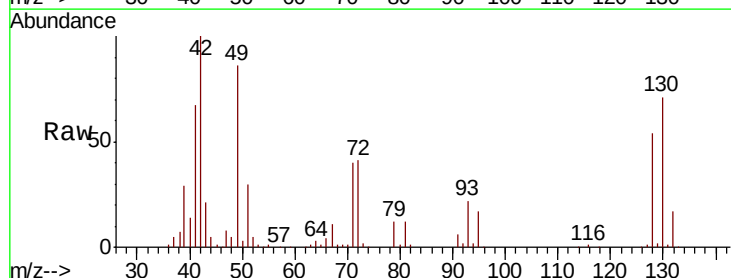
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 BFB

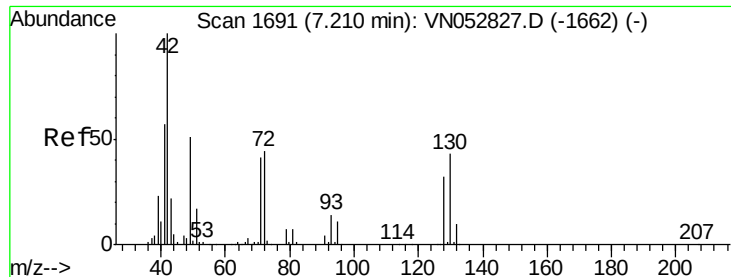
| Tot Ion | 96    | Resp  | 600757 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 96      | 100   |       |        |
| 61      | 143.3 | 0.0   | 284.2  |
| 98      | 64.9  | 0.0   | 129.2  |



#28  
 Bromochloromethane  
 Concen: 48.498 ug/l  
 RT: 7.20 min Scan# 1687  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

| Tgt Ion | 49    | Resp  | 442721 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 49      | 100   |       |        |
| 129     | 1.9   | 0.0   | 4.0    |
| 130     | 80.8  | 63.3  | 94.9   |

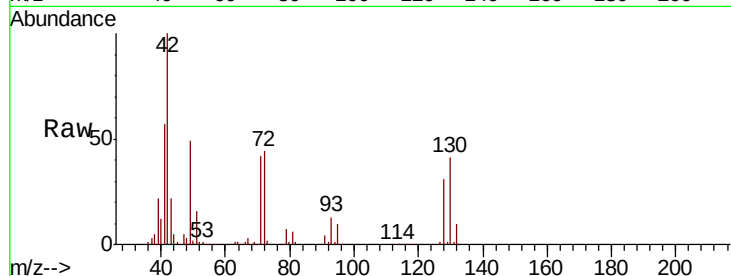




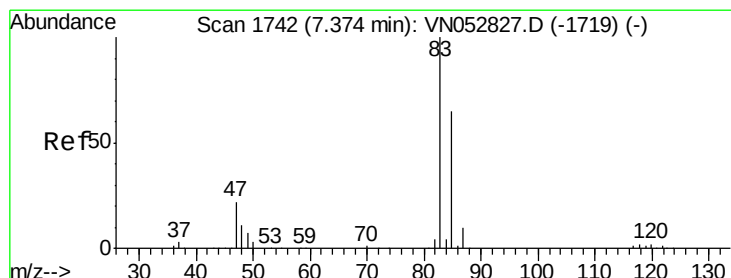
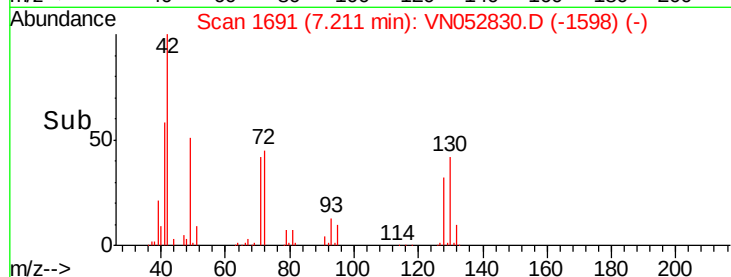
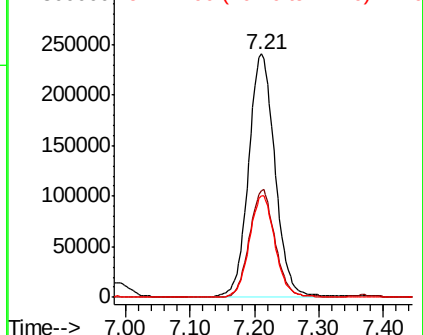
#29  
Tetrahydrofuran  
Concen: 246.587 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

Tot Ion: 42 Resp: 686388  
Ion Ratio Lower Upper  
42 100  
72 43.0 34.7 52.1  
71 40.6 32.3 48.5

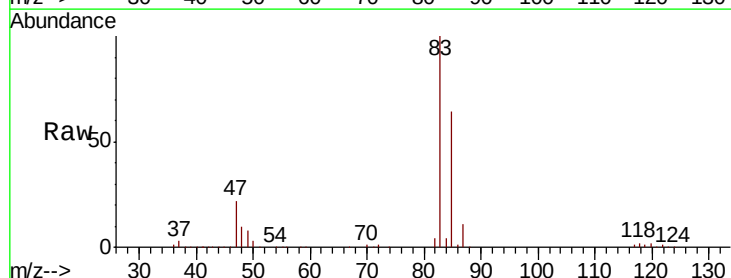


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

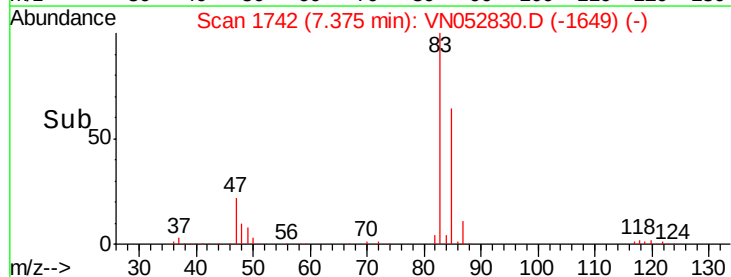
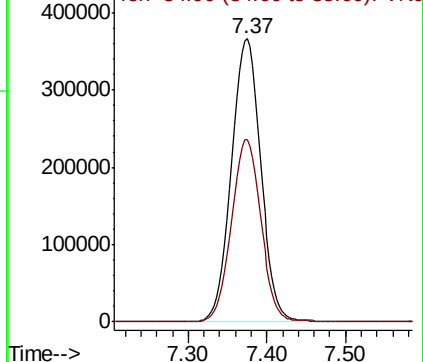


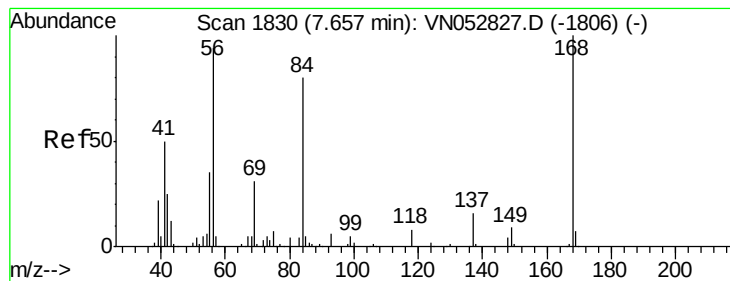
#30  
Chloroform  
Concen: 48.163 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion: 83 Resp: 954794  
Ion Ratio Lower Upper  
83 100  
85 64.2 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.883 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

BFB

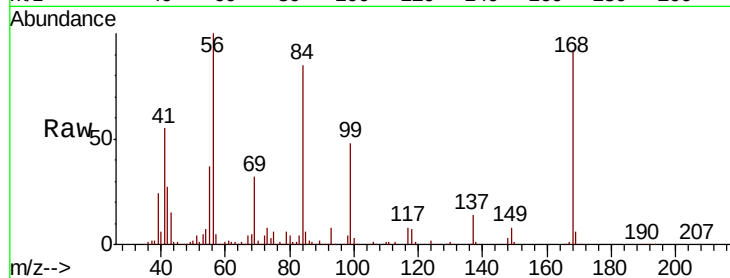
Tot Ion: 56 Resp: 969440

Ion Ratio Lower Upper

56 100

69 32.2 26.6 39.8

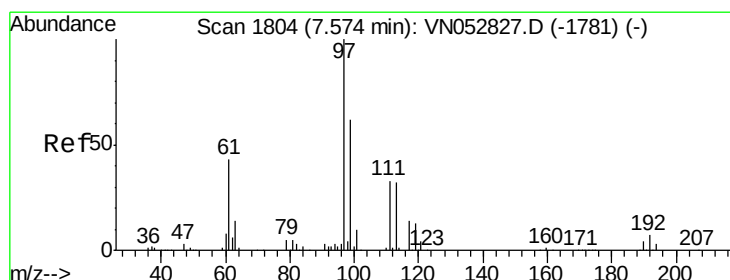
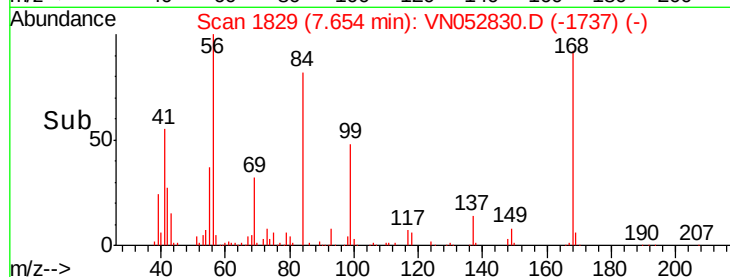
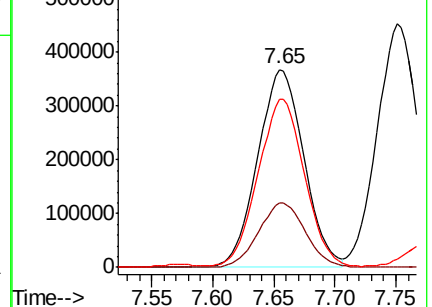
84 83.5 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052827.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 48.732 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

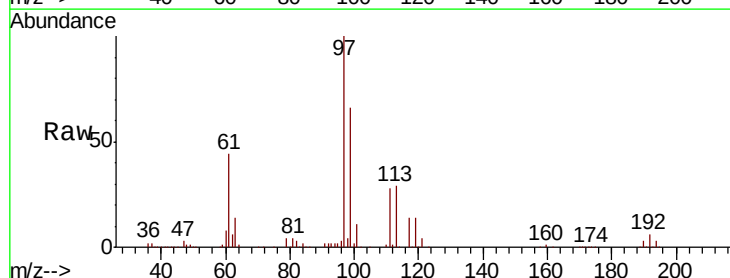
Tgt Ion: 97 Resp: 808278

Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

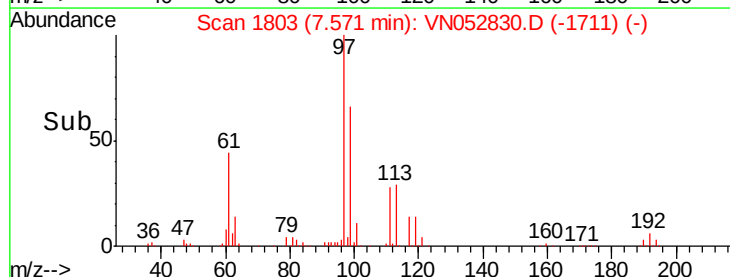
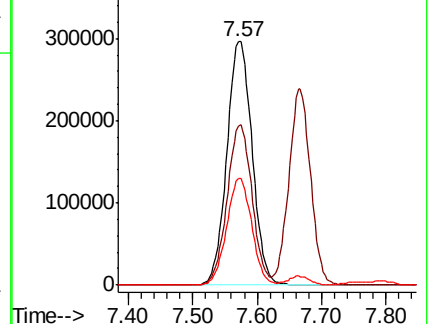
61 43.4 35.0 52.6

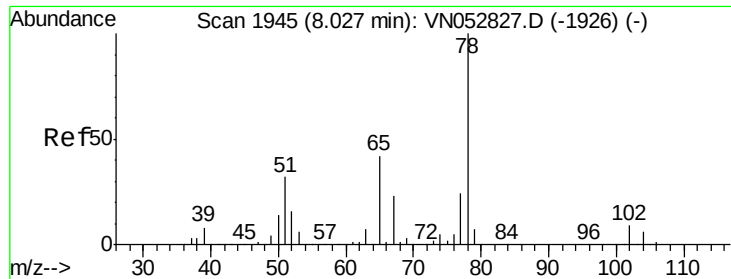


Abundance Ion 96.90 (96.60 to 97.60): VN052827.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN052827.D (-1781) (-)

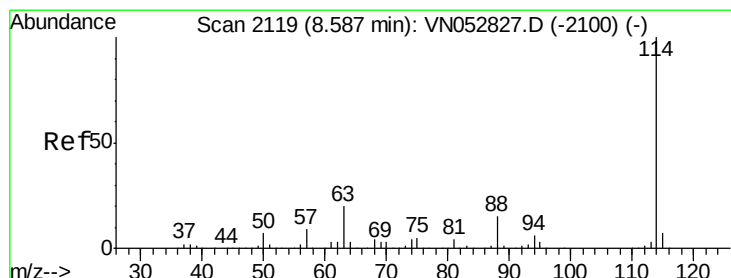
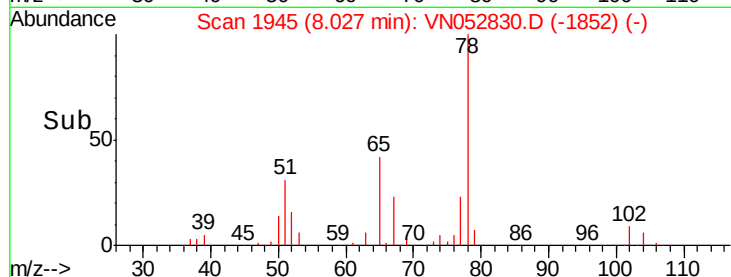
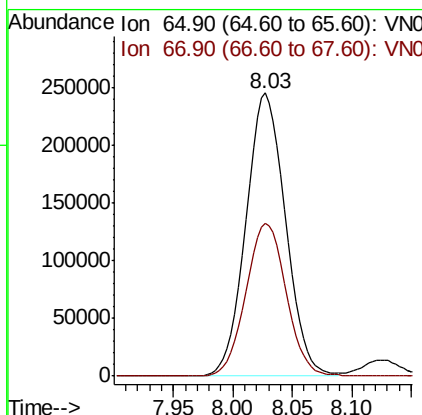
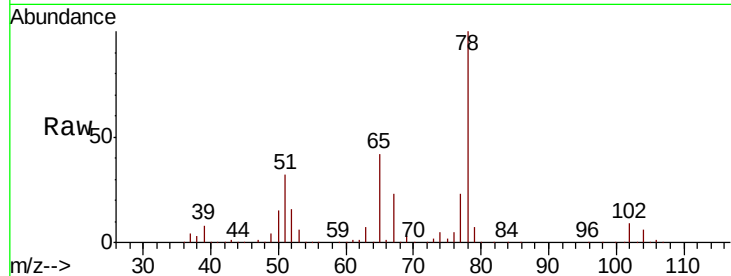




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.732 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

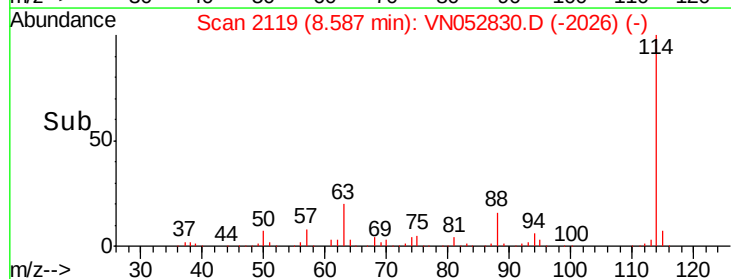
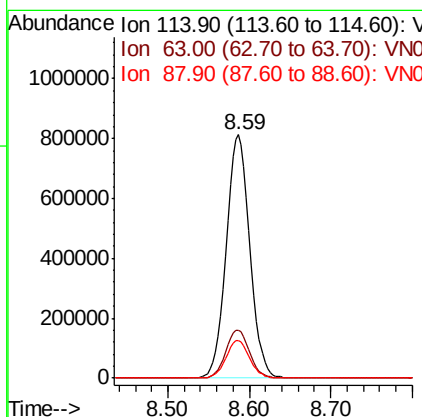
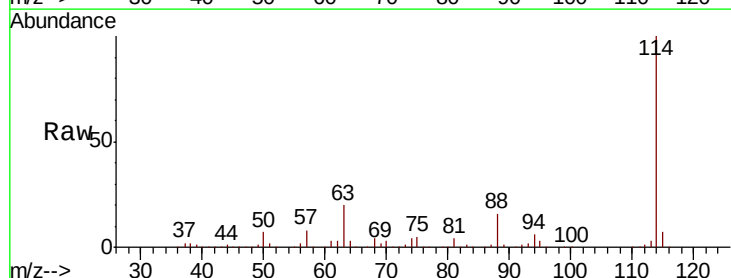
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 BFB

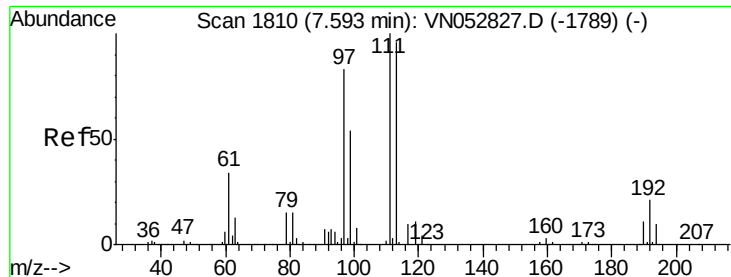
Tot Ion: 65 Resp: 565263  
 Ion Ratio Lower Upper  
 65 100  
 67 55.0 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Tgt Ion: 114 Resp: 1652577  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.8  
 88 15.5 0.0 31.0

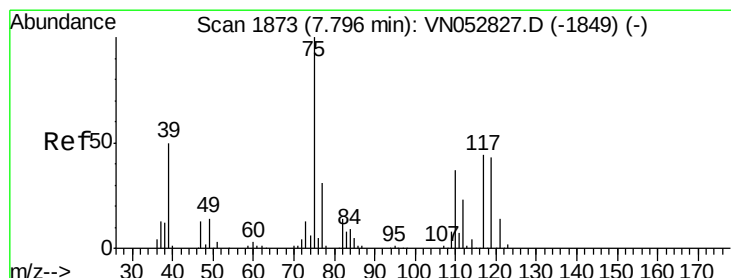
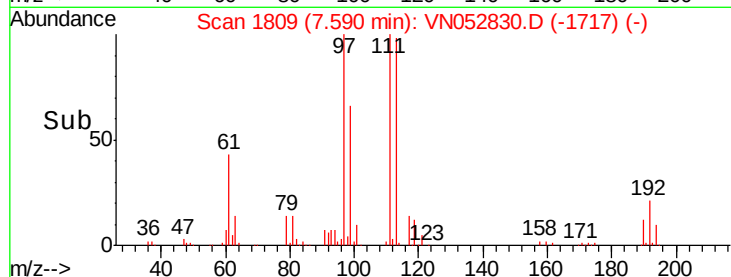
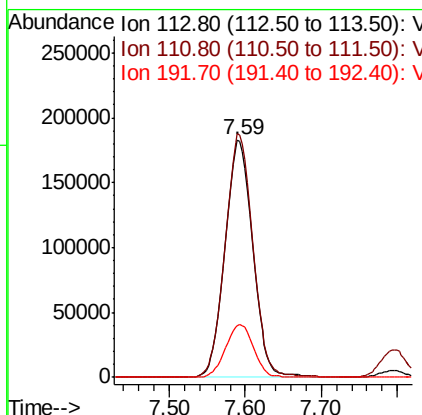
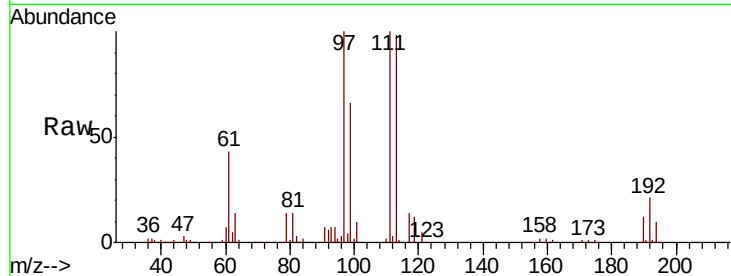




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

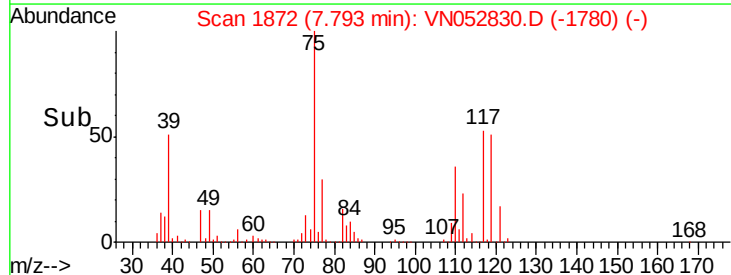
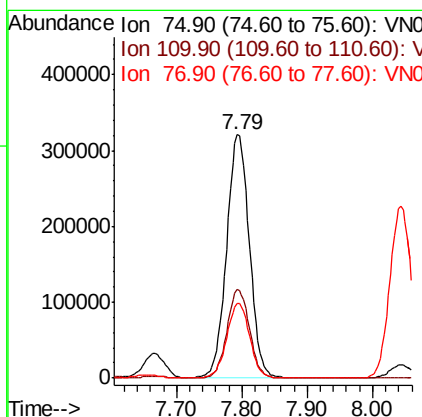
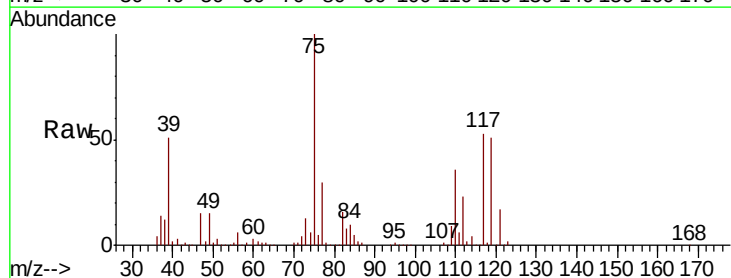
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BFB

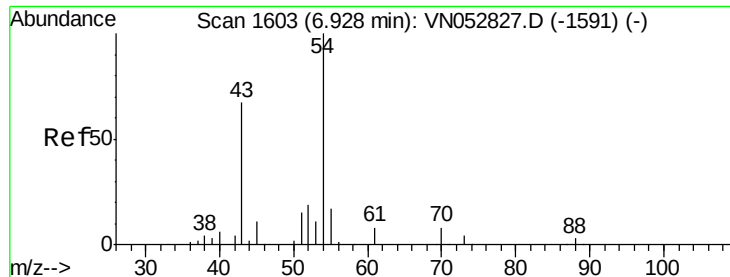
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 83.0  | 124.4 |
| 192     | 22.3  | 17.5  | 26.3  |



#36  
 1,1-Dichloropropene  
 Concen: 50.890 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.8  | 18.2  | 54.6  |
| 77      | 31.0  | 24.9  | 37.3  |

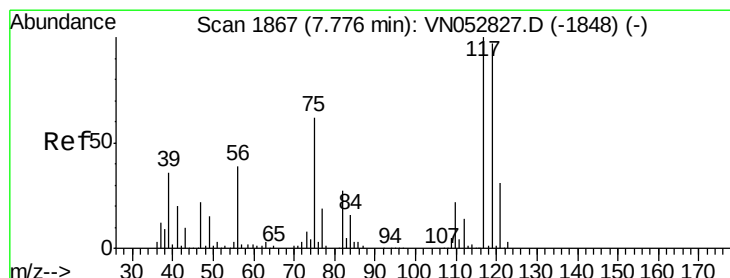
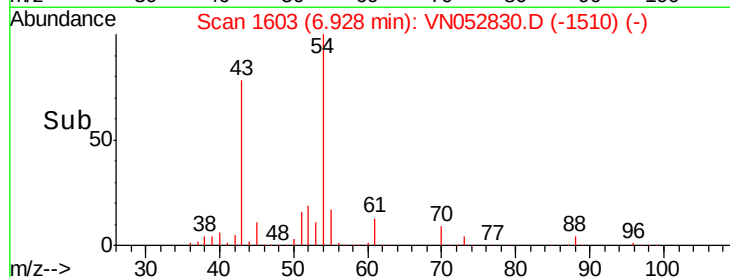
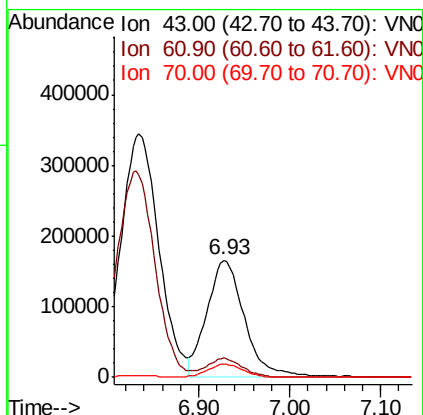
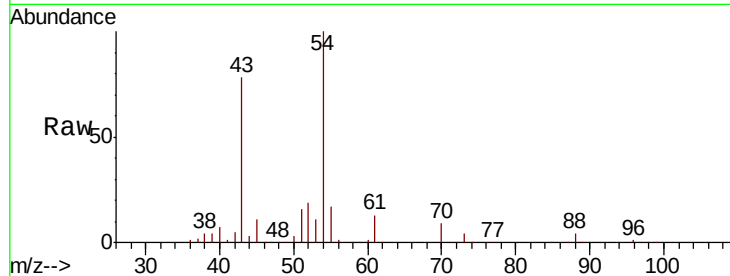




#37  
Ethyl Acetate  
Concen: 51.229 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

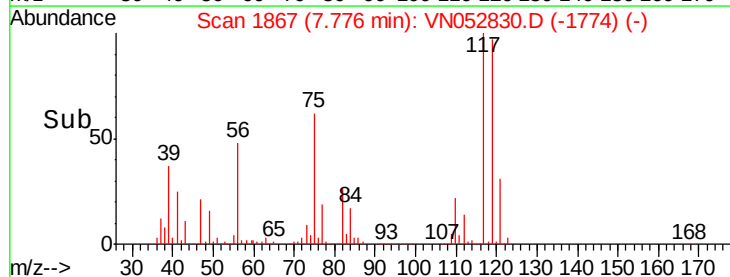
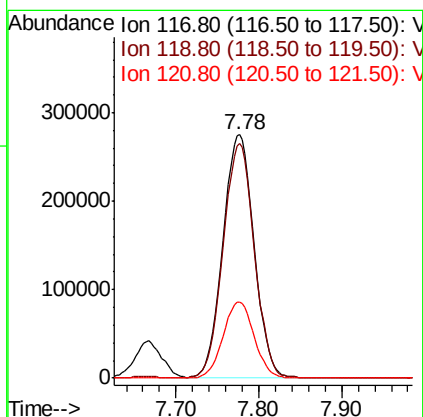
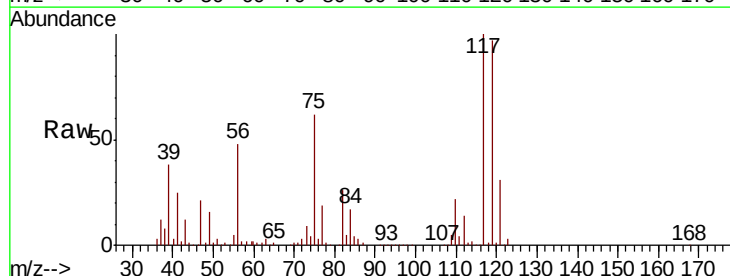
Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

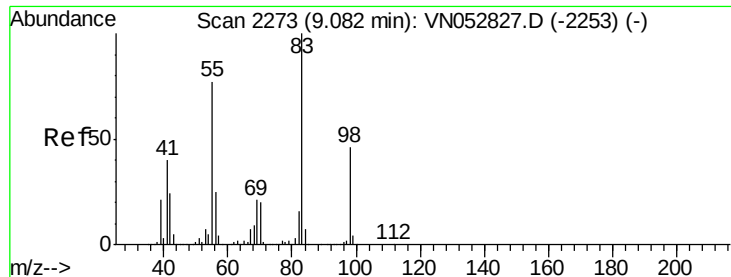
Tot Ion: 43 Resp: 468335  
Ion Ratio Lower Upper  
43 100  
61 15.4 11.8 17.6  
70 10.9 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 51.274 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion: 117 Resp: 718220  
Ion Ratio Lower Upper  
117 100  
119 96.6 77.1 115.7  
121 31.3 24.9 37.3

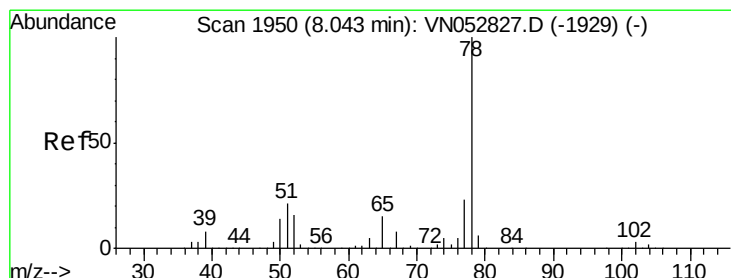
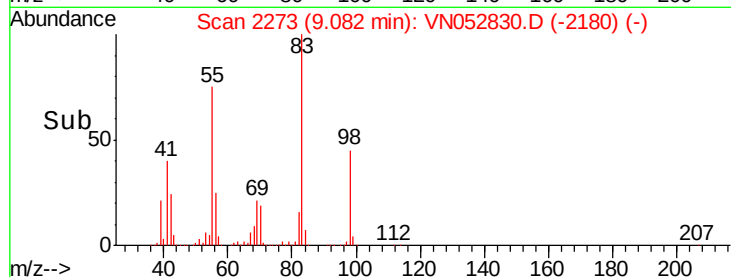
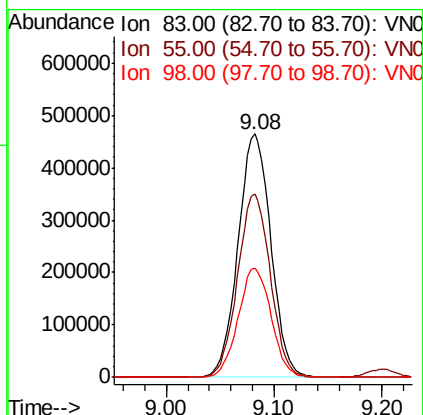
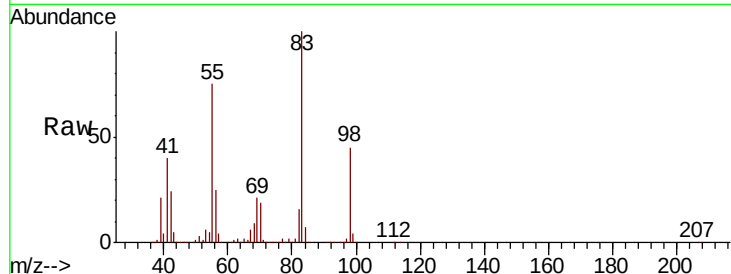




#39  
Methylvlcyclohexane  
Concen: 52.642 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

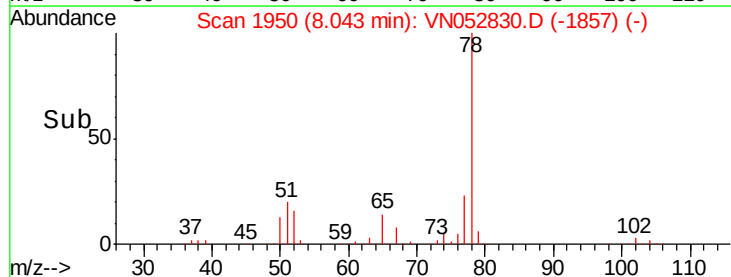
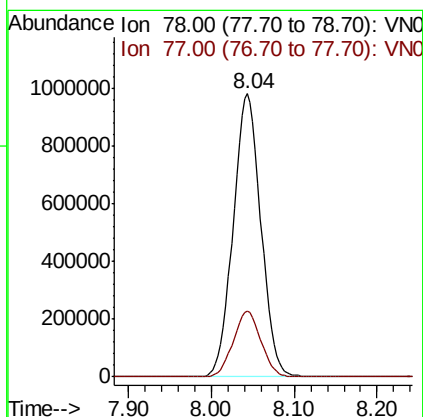
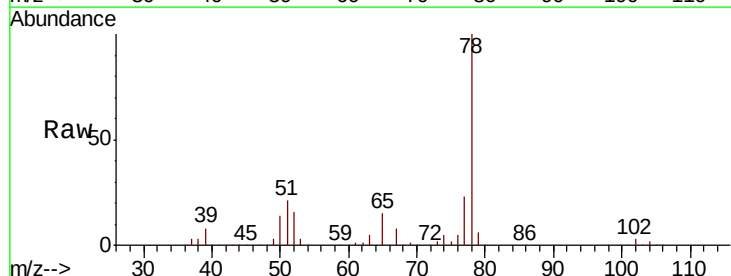
Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

Tot Ion: 83 Resp: 983098  
Ion Ratio Lower Upper  
83 100  
55 75.2 61.3 91.9  
98 45.0 37.0 55.4

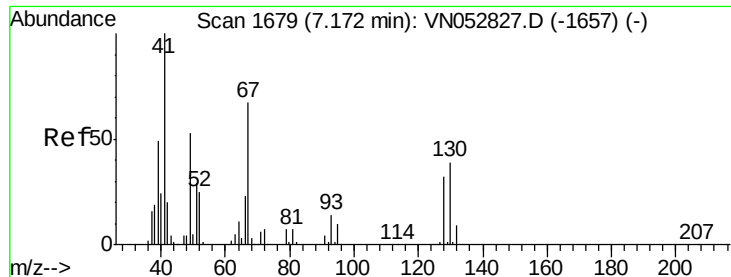


#40  
Benzene  
Concen: 49.878 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion: 78 Resp: 2278179  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.5 27.7



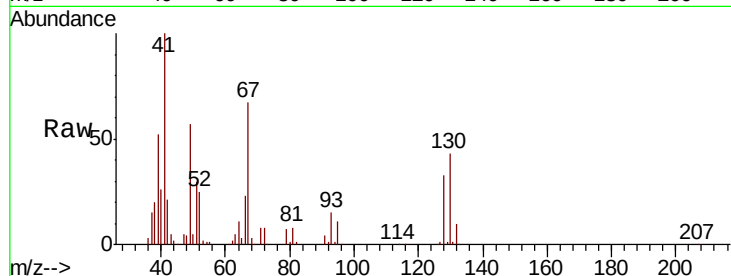




#41  
Methacrylonitrile  
Concen: 44.256 ug/l  
RT: 7.17 min Scan# 1679  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 224172 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 71.0  | 48.0  | 72.0   |
| 67       | 95.9  | 70.3  | 105.5  |
| 52       | 37.1  | 26.9  | 40.3   |



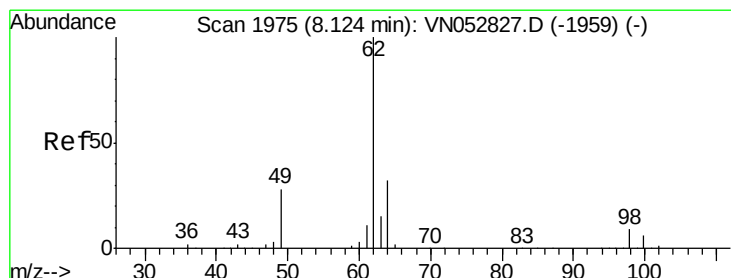
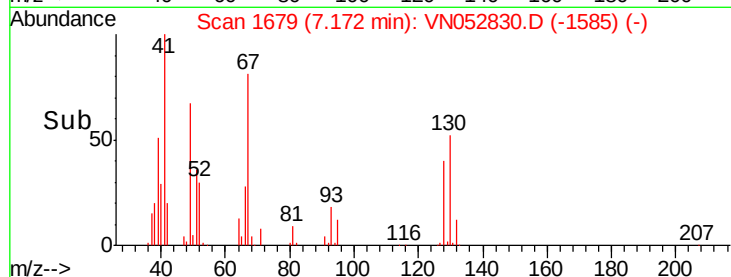
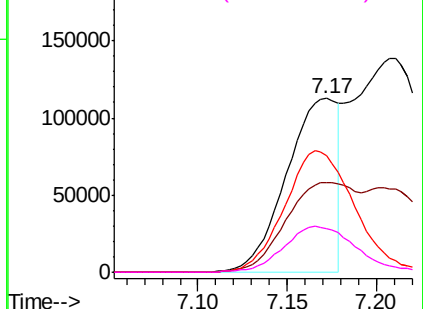
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

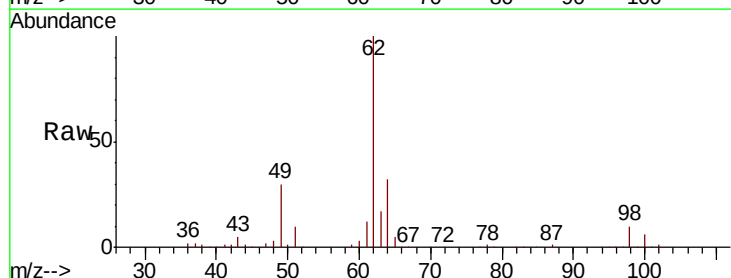
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42  
1,2-Dichloroethane  
Concen: 49.604 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

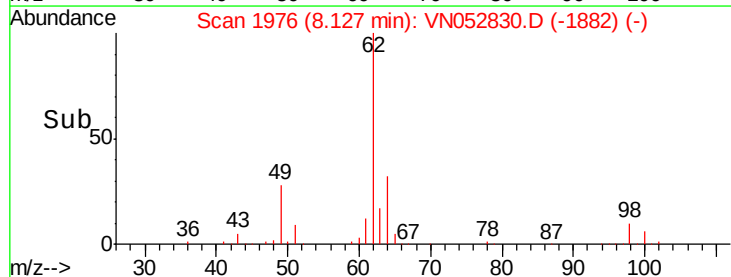
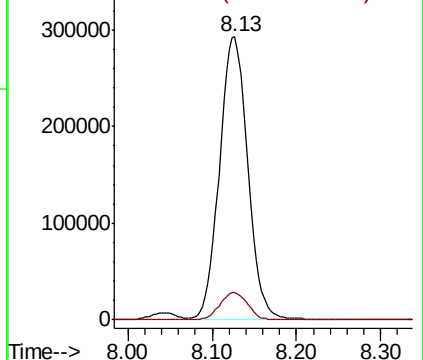
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 682088 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.6   | 0.0   | 19.0   |

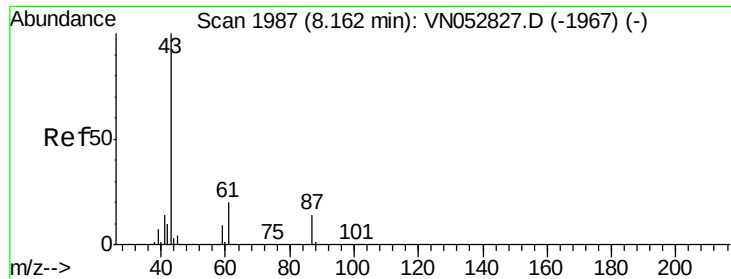


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



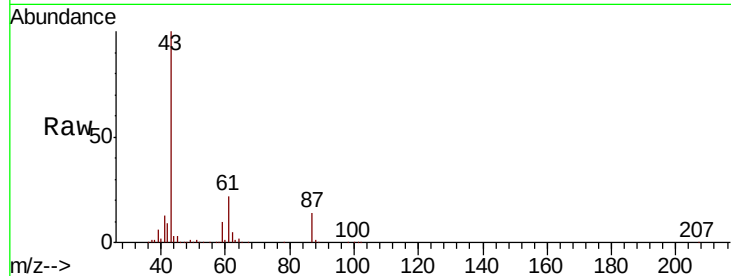


#43

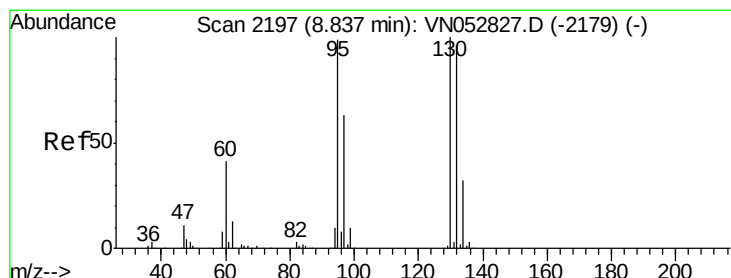
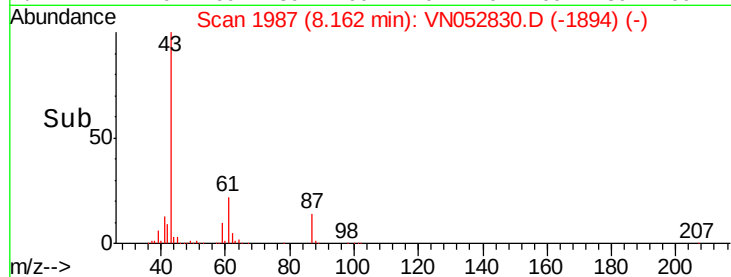
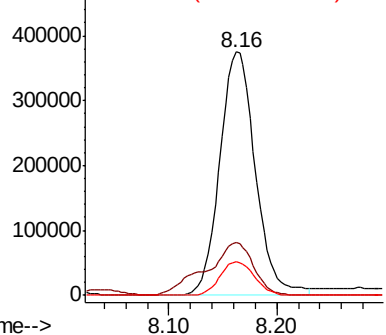
Isopropyl Acetate  
 Concen: 45.678 ug/l  
 RT: 8.16 min Scan# 1987  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BFB

Tot Ion: 43 Resp: 856185  
 Ion Ratio Lower Upper  
 43 100  
 61 28.7 22.9 34.3  
 87 13.5 10.6 15.8



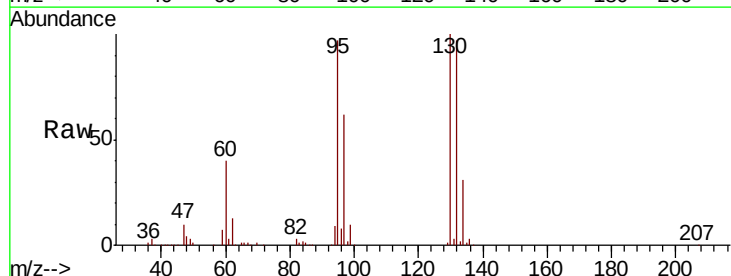
Abundance Ion 43.00 (42.70 to 43.70): VN0  
 Ion 61.00 (60.70 to 61.70): VN0  
 Ion 87.00 (86.70 to 87.70): VN0



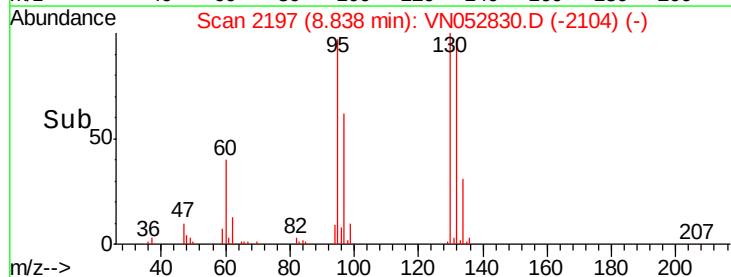
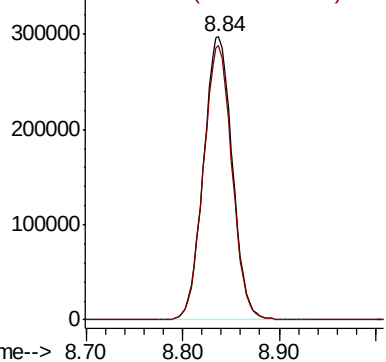
#44

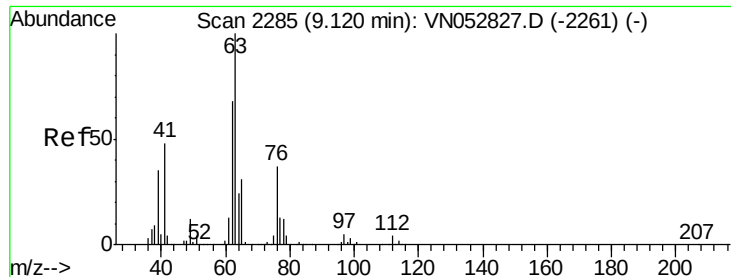
Trichloroethene  
 Concen: 49.818 ug/l  
 RT: 8.84 min Scan# 2197  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Tgt Ion: 130 Resp: 614615  
 Ion Ratio Lower Upper  
 130 100  
 95 96.9 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VN0

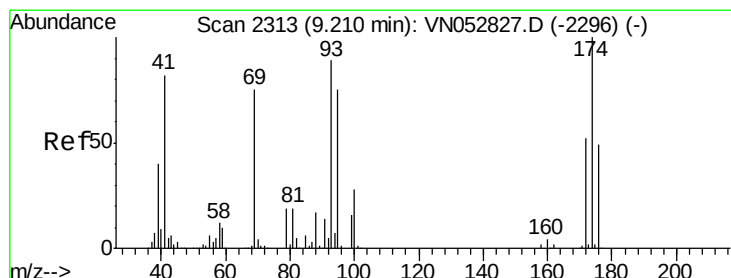
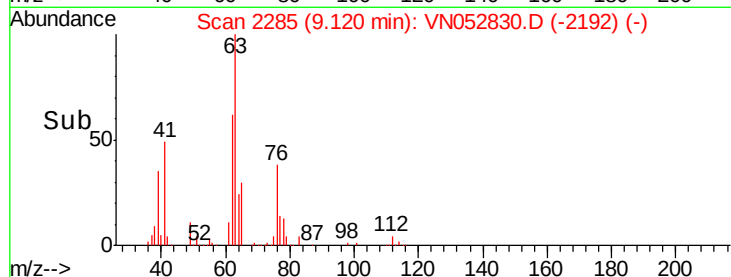
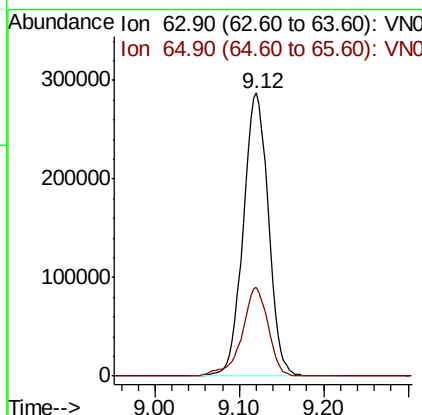
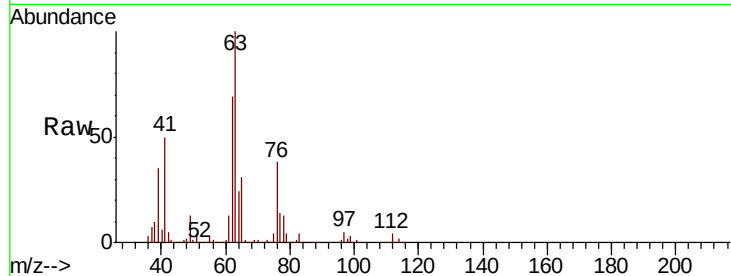




#45  
 1,2-Dichloropropane  
 Concen: 49.970 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

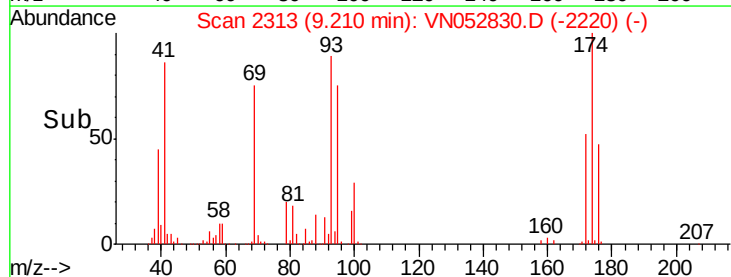
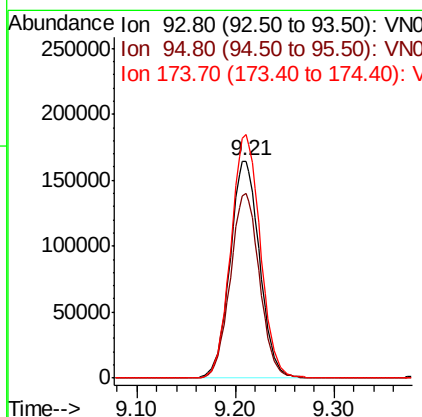
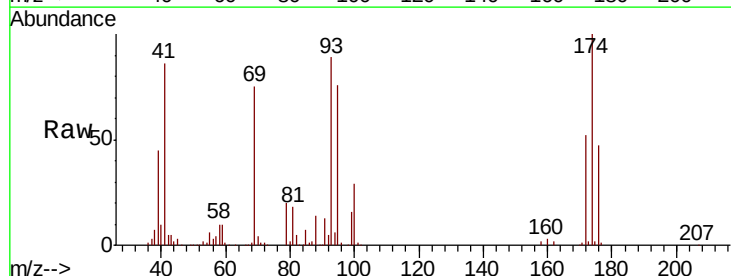
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 BFB

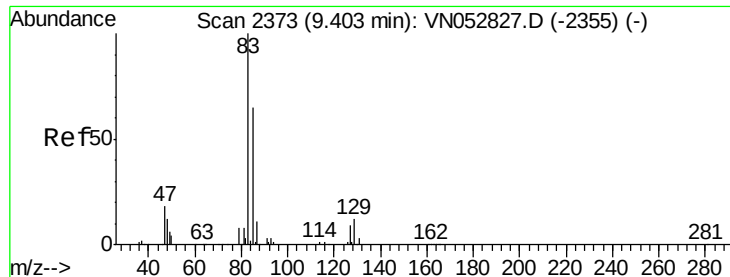
Tot Ion: 63 Resp: 597814  
 Ion Ratio Lower Upper  
 63 100  
 65 31.2 24.6 37.0



#46  
 Dibromomethane  
 Concen: 49.395 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Tgt Ion: 93 Resp: 342707  
 Ion Ratio Lower Upper  
 93 100  
 95 84.3 67.8 101.6  
 174 111.6 89.0 133.4





#47

Bromodichloromethane

Concen: 50.326 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

BFB

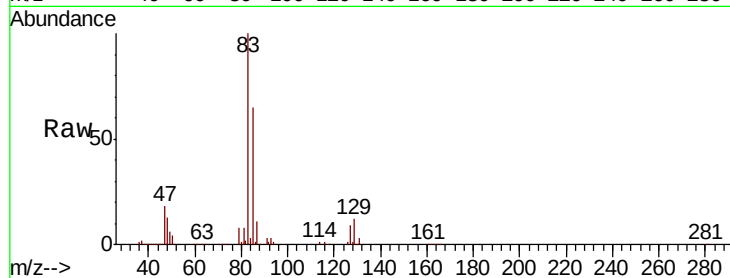
Tot Ion: 83 Resp: 724067

Ion Ratio Lower Upper

83 100

85 65.1 51.6 77.4

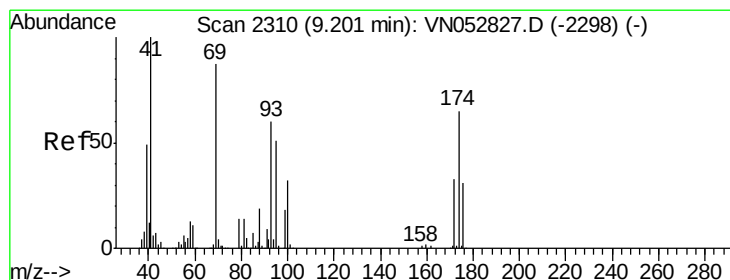
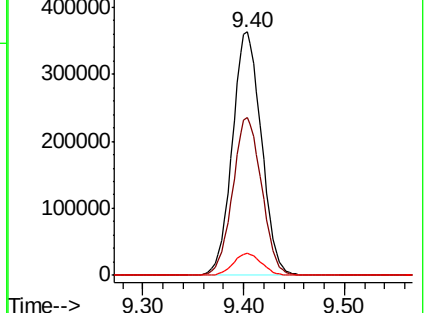
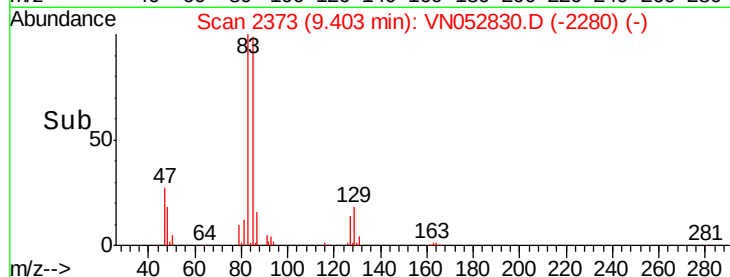
127 8.8 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052830.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052830.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052830.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.583 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

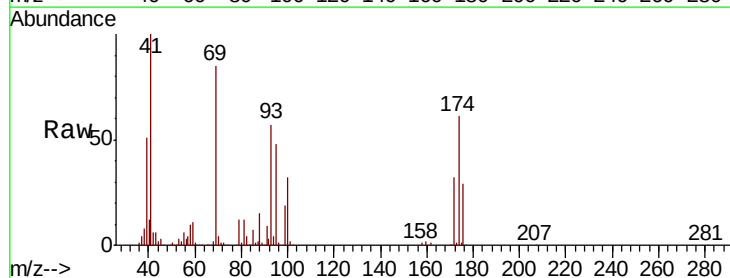
Tgt Ion: 41 Resp: 432229

Ion Ratio Lower Upper

41 100

69 89.1 72.2 108.2

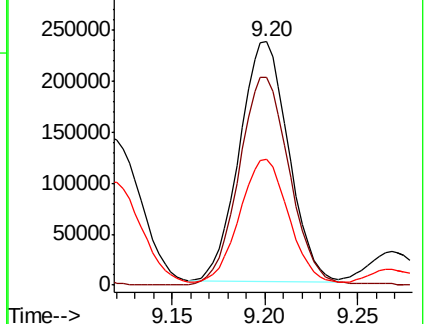
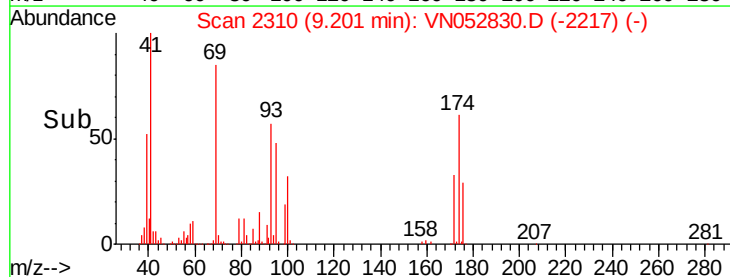
39 53.1 41.9 62.9

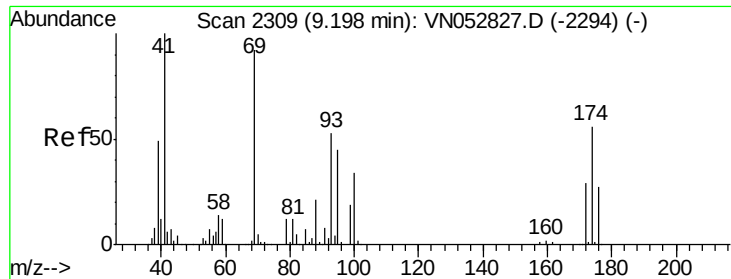


Abundance Ion 41.00 (40.70 to 41.70): VN052830.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052830.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052830.D (-2217) (-)

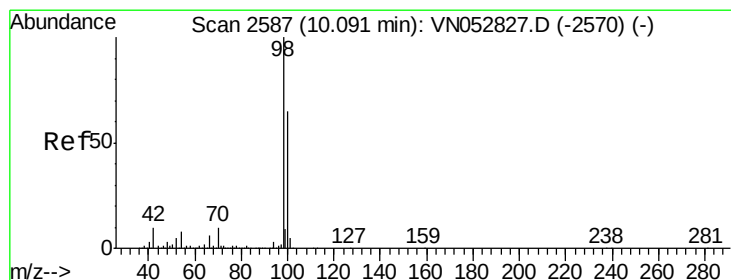
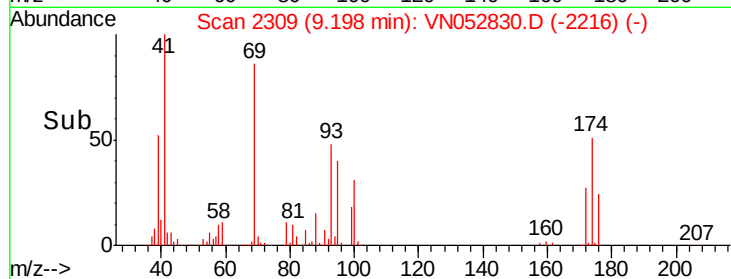
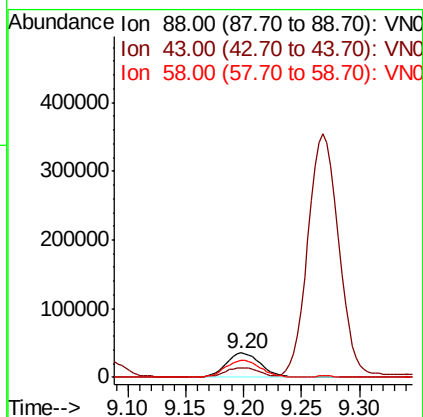
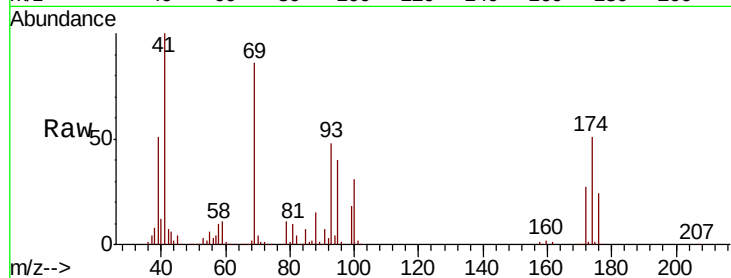




#49  
1,4-Dioxane  
Concen: 788.195 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

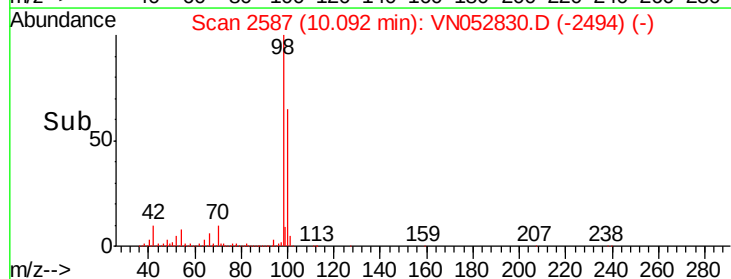
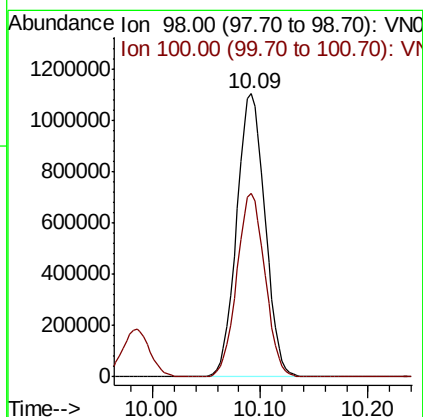
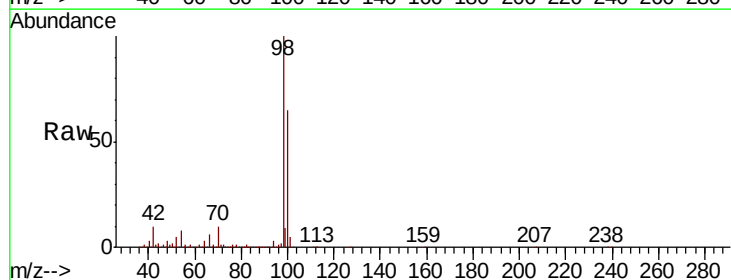
Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

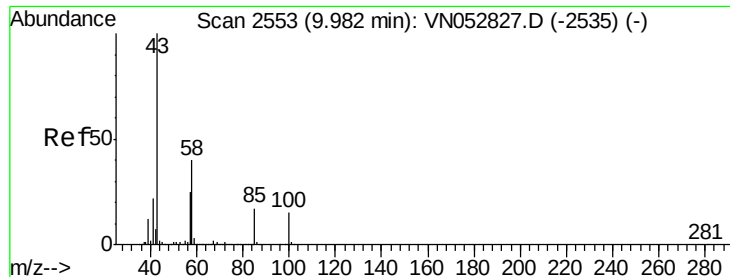
Tot Ion: 88 Resp: 73541  
Ion Ratio Lower Upper  
88 100  
43 36.7 26.6 40.0  
58 70.6 58.4 87.6



#50  
Toluene-d8  
Concen: 788.195 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion: 98 Resp: 2024776  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.6 77.4

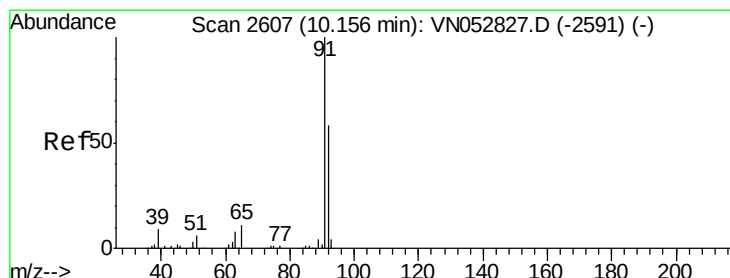
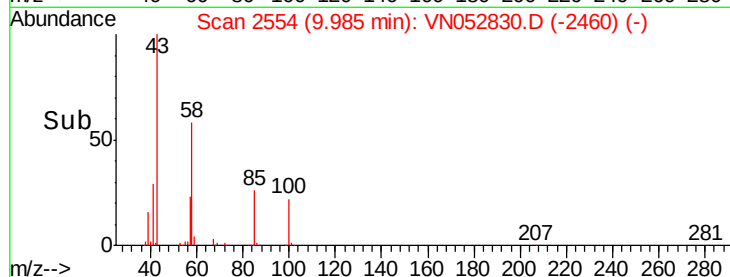
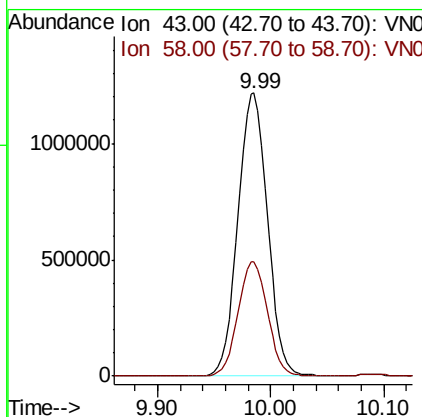
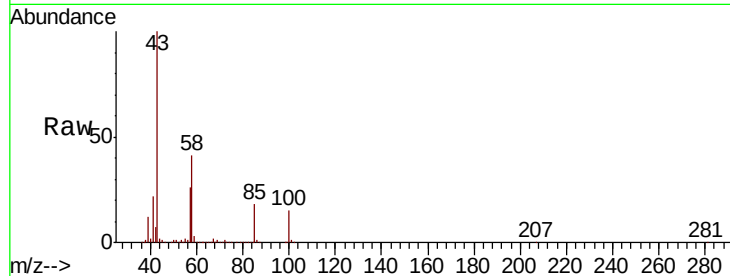




#51  
 4-Methyl-2-Pentanone  
 Concen: 258.184 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

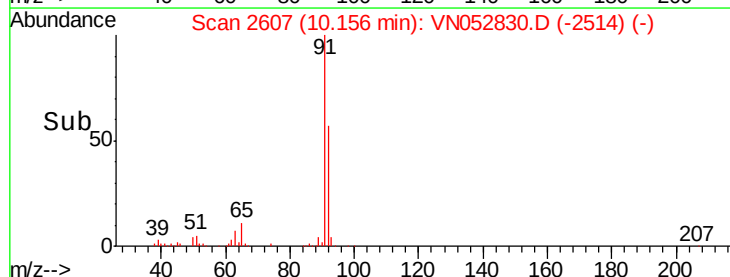
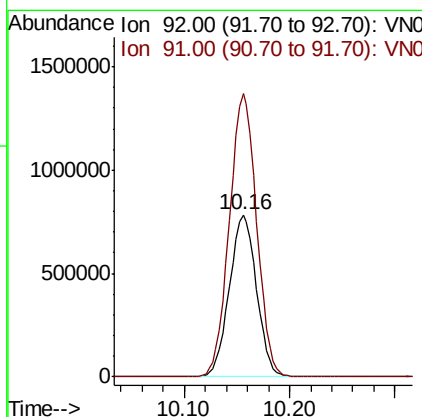
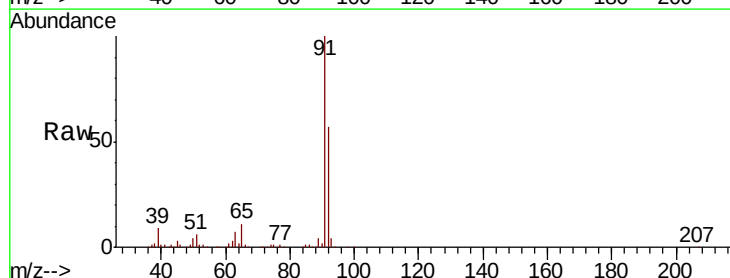
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 BFB

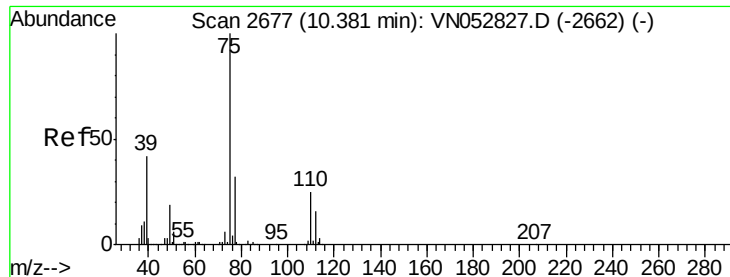
Tot Ion: 43 Resp: 2219034  
 Ion Ratio Lower Upper  
 43 100  
 58 40.3 32.2 48.4



#52  
 Toluene  
 Concen: 50.286 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Tgt Ion: 92 Resp: 1391093  
 Ion Ratio Lower Upper  
 92 100  
 91 175.8 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 52.729 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

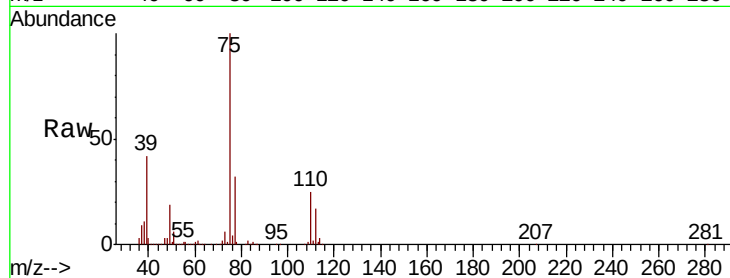
BFB

Tot Ion: 75 Resp: 763411

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

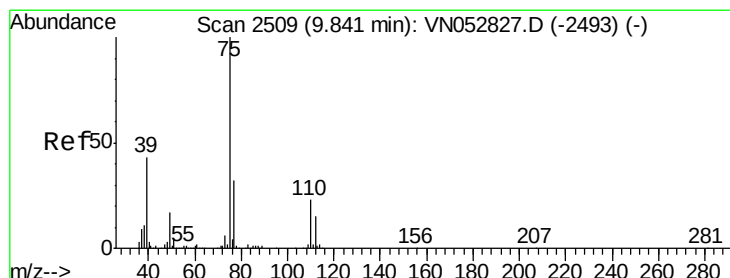
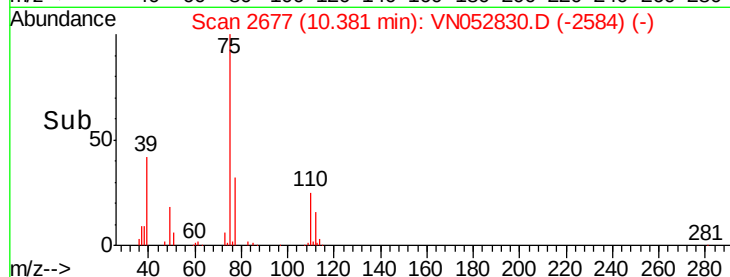
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.536 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

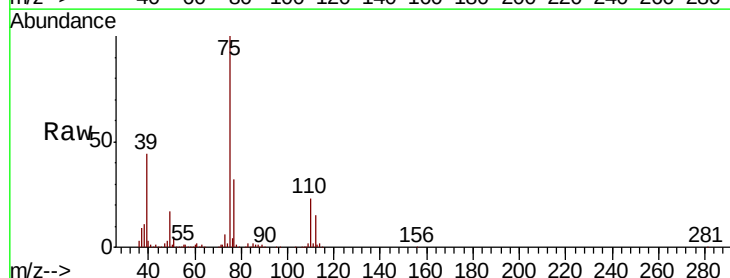
Tgt Ion: 75 Resp: 889118

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

39 43.9 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

600000

500000

400000

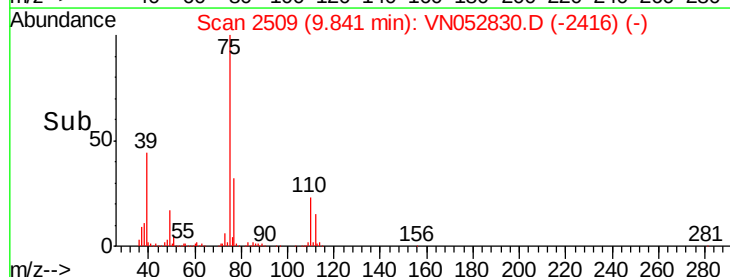
300000

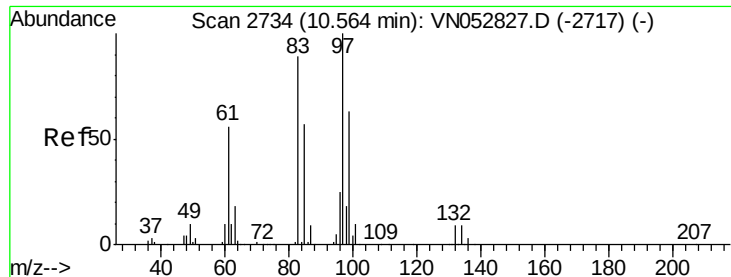
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.871 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

BFB

Tot Ion: 97 Resp: 492481

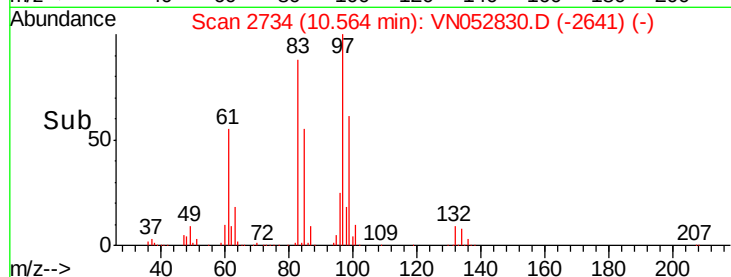
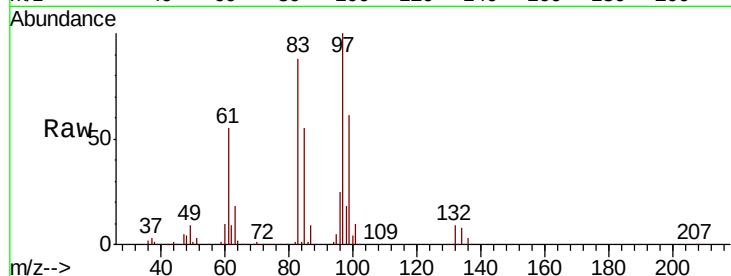
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 87.6  | 70.9  | 106.3 |
| 85  | 55.5  | 45.4  | 68.2  |
| 99  | 61.2  | 50.4  | 75.6  |

97 100

83 87.6 70.9 106.3

85 55.5 45.4 68.2

99 61.2 50.4 75.6



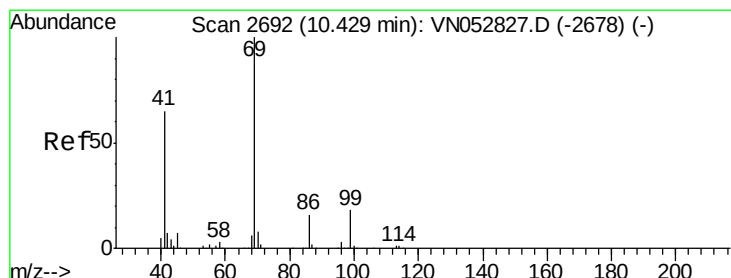
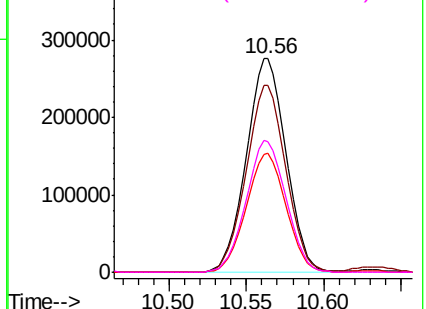
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 52.998 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

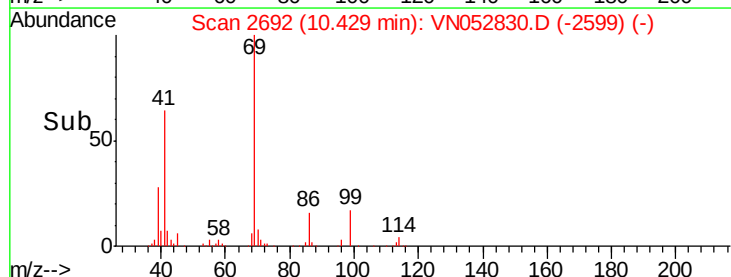
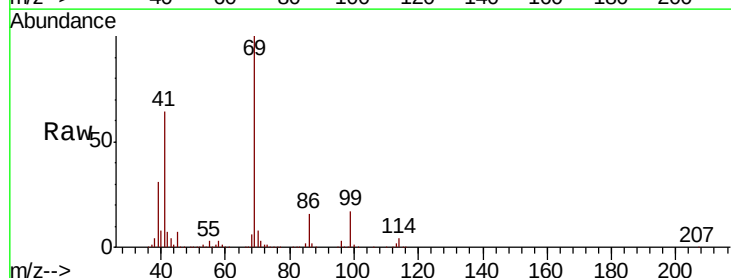
Tgt Ion: 69 Resp: 671651

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 64.4  | 51.7  | 77.5  |
| 39  | 30.6  | 24.6  | 37.0  |

69 100

41 64.4 51.7 77.5

39 30.6 24.6 37.0

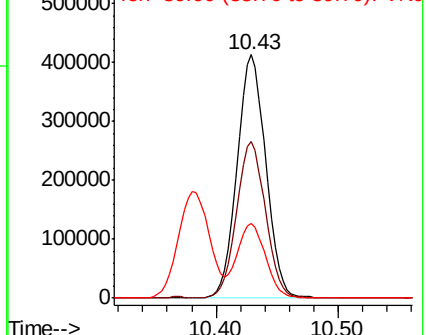


Abundance

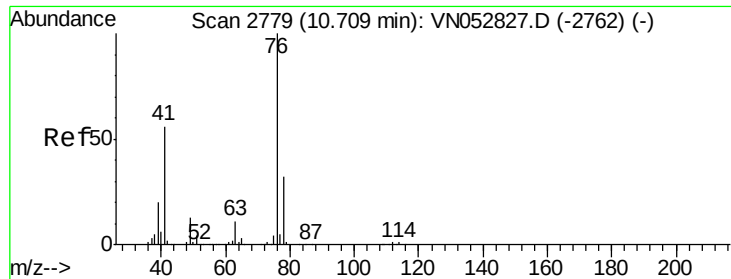
Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO







#57

1,3-Dichloropropane

Concen: 50.176 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

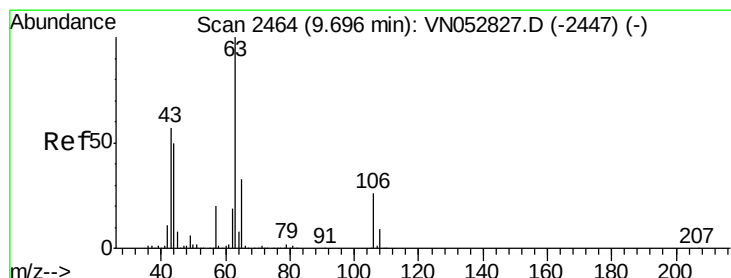
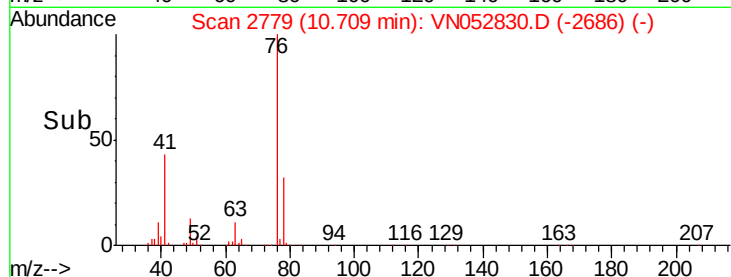
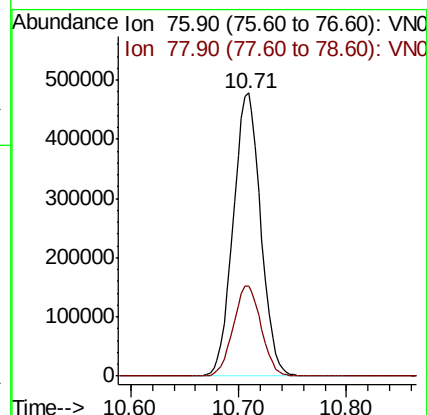
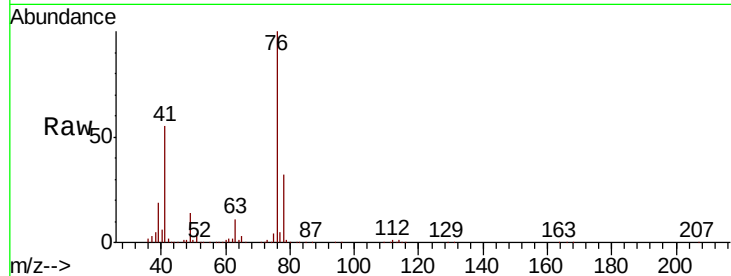
BFB

Tot Ion: 76 Resp: 849687

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 259.877 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052830.D

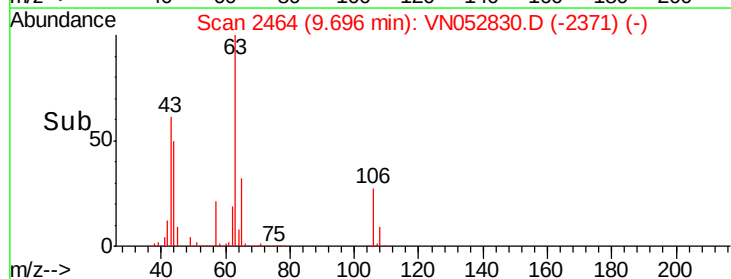
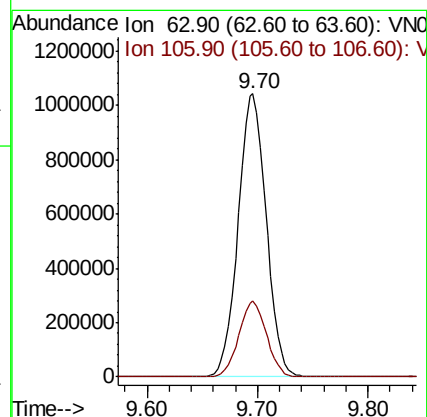
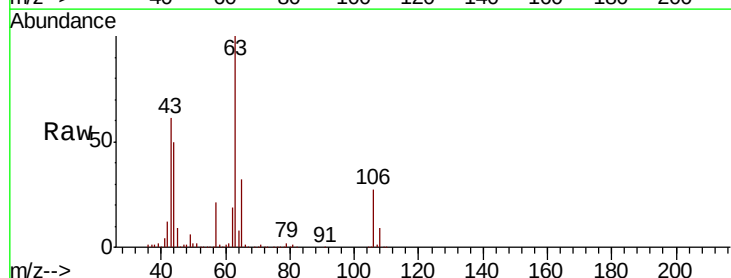
Acq: 12 Dec 2018 16:36

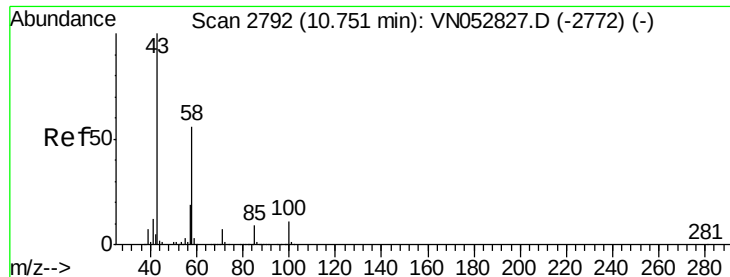
Tgt Ion: 63 Resp: 1837678

Ion Ratio Lower Upper

63 100

106 26.5 21.0 31.6

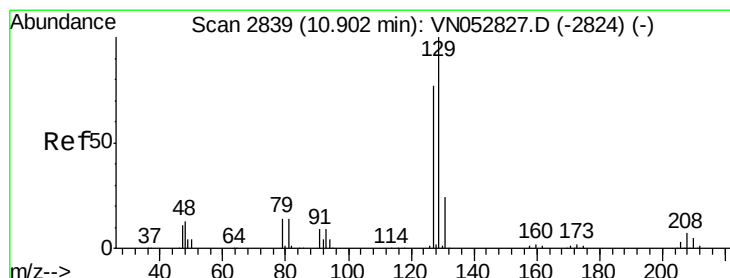
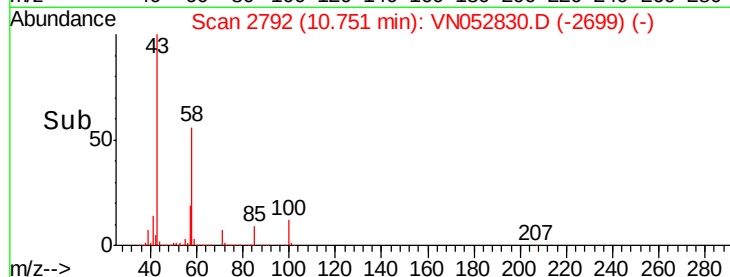
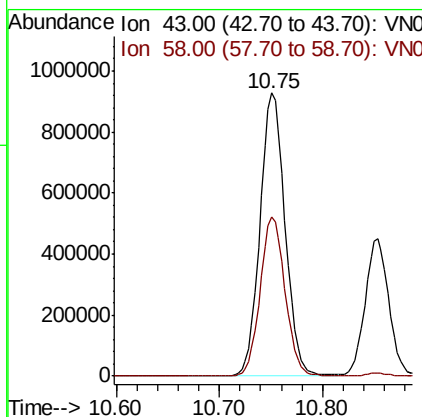
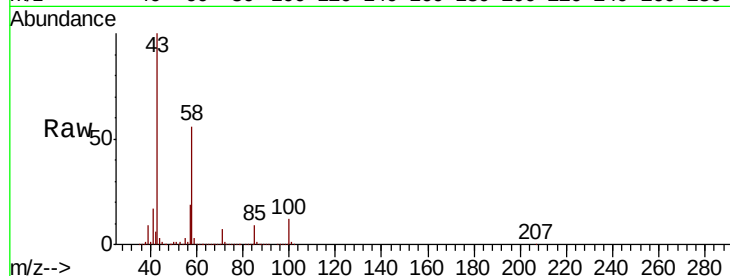




#59  
2-Hexanone  
Concen: 264.121 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

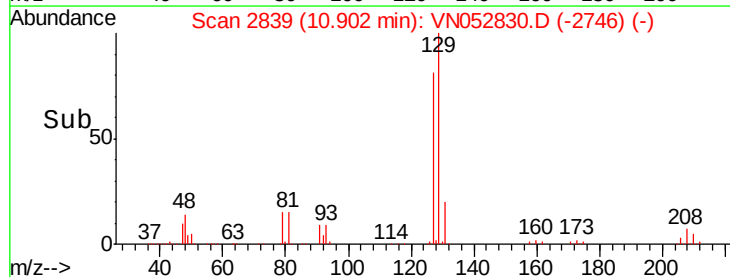
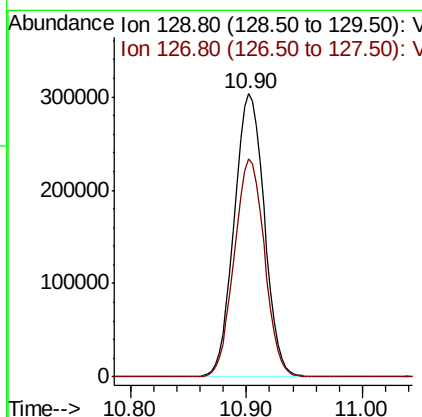
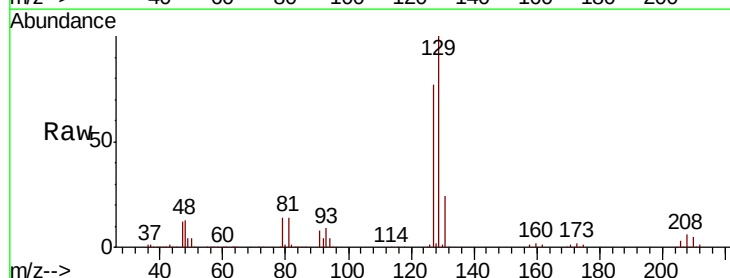
Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

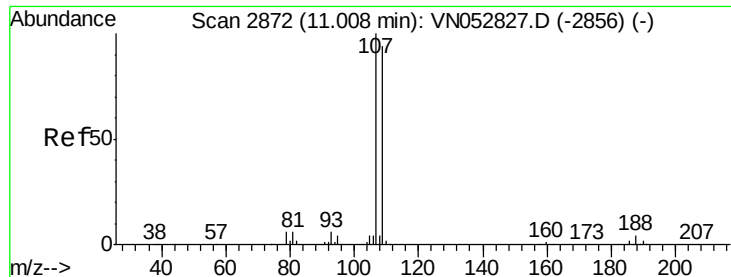
Tot Ion: 43 Resp: 1555712  
Ion Ratio Lower Upper  
43 100  
58 56.0 28.1 84.3



#60  
Dibromochloromethane  
Concen: 51.363 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion: 129 Resp: 548182  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.144 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

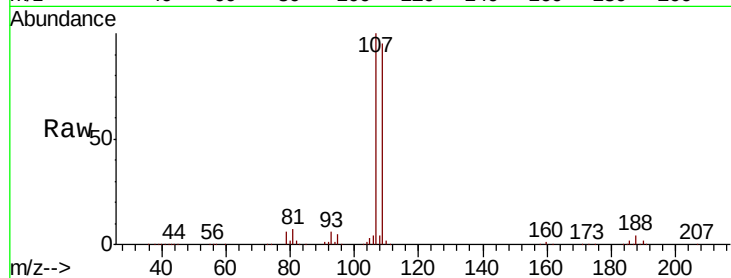
BFB

Tot Ion:107 Resp: 499223

Ion Ratio Lower Upper

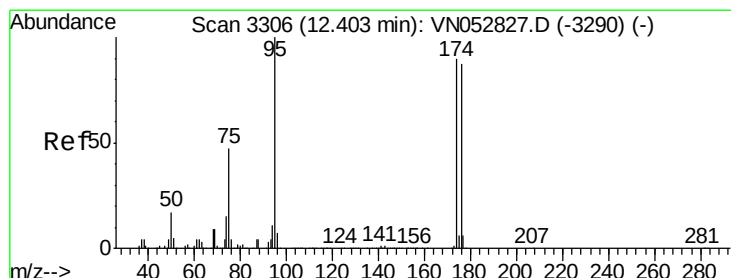
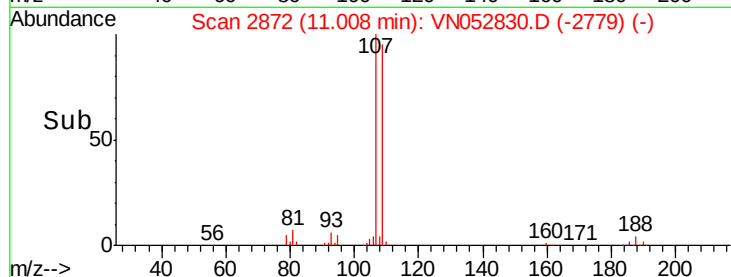
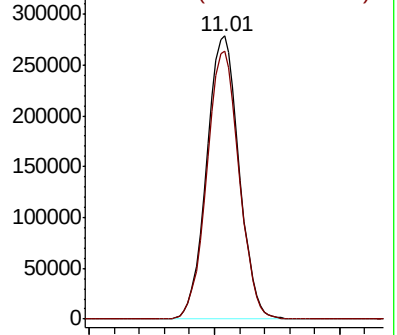
107 100

109 94.6 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.144 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

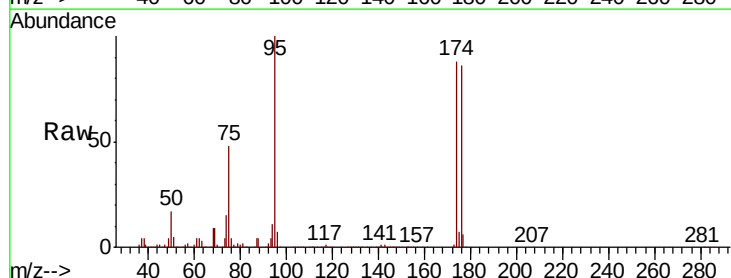
Tgt Ion: 95 Resp: 702384

Ion Ratio Lower Upper

95 100

174 88.1 0.0 178.8

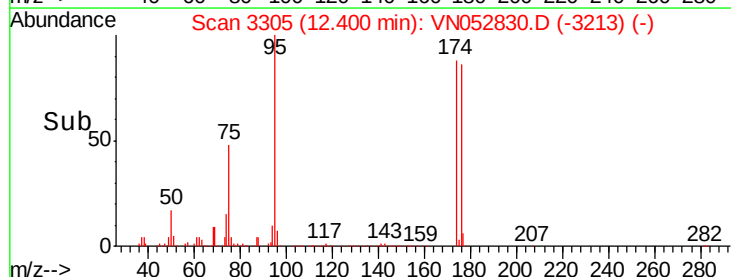
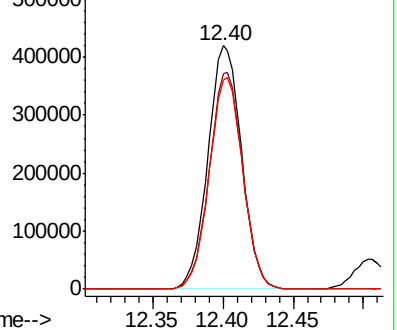
176 86.3 0.0 173.8

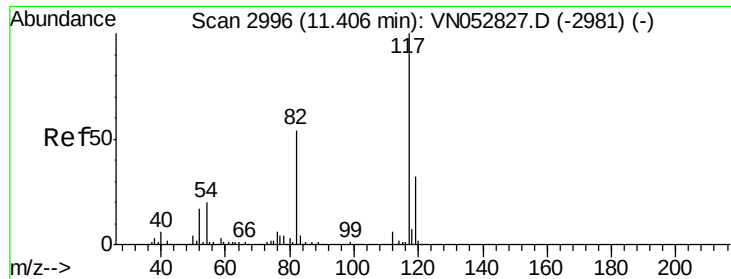


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

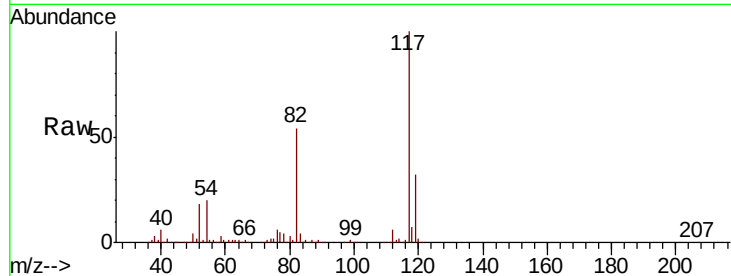




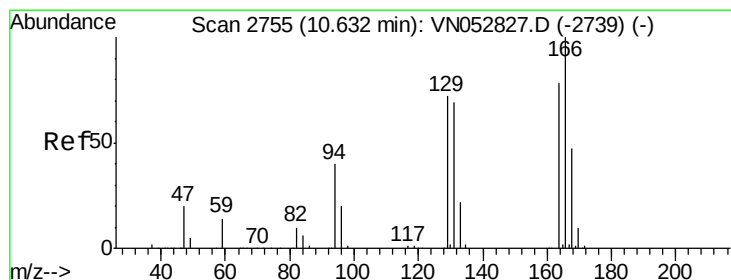
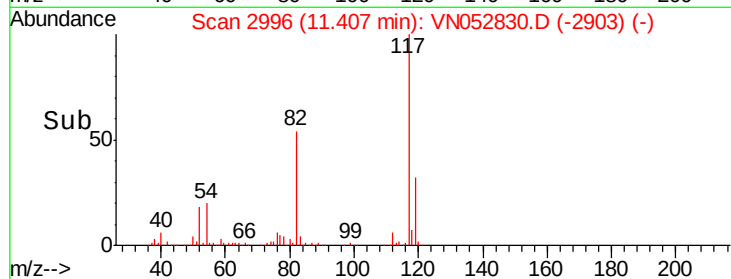
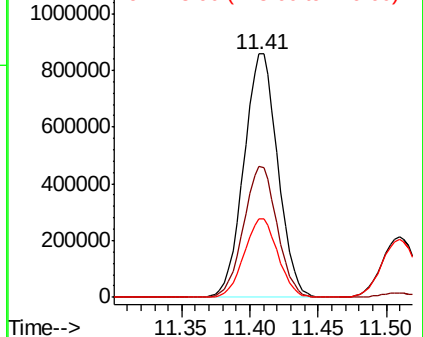
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

Tot Ion:117 Resp: 1477066  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.8 64.2  
119 32.3 25.5 38.3

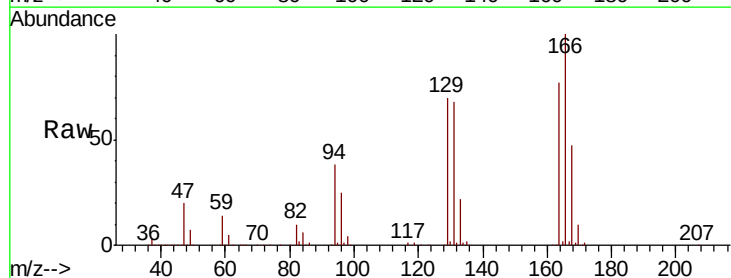


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

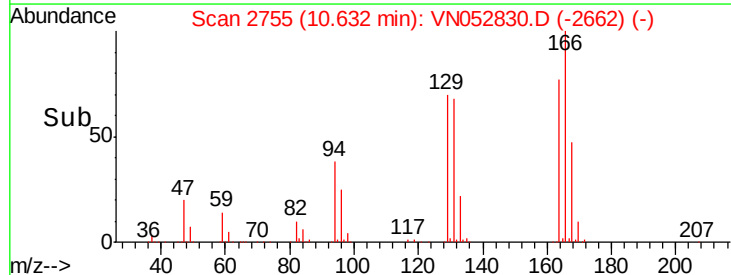
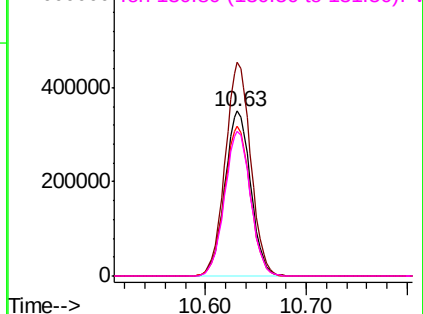


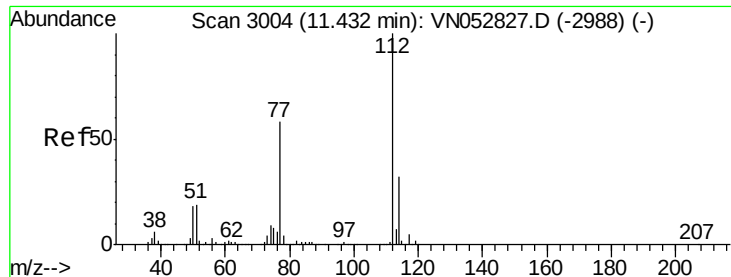
#64  
Tetrachloroethene  
Concen: 49.132 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion:164 Resp: 623726  
Ion Ratio Lower Upper  
164 100  
166 129.7 102.9 154.3  
129 90.7 73.7 110.5  
131 88.1 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

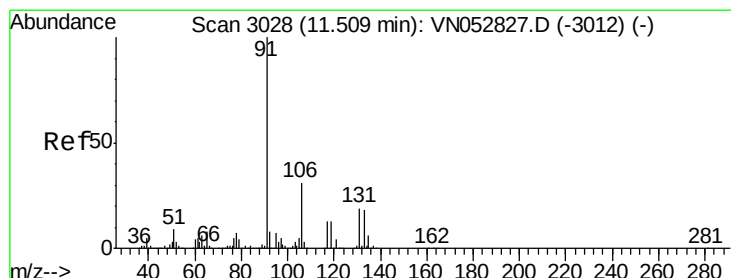
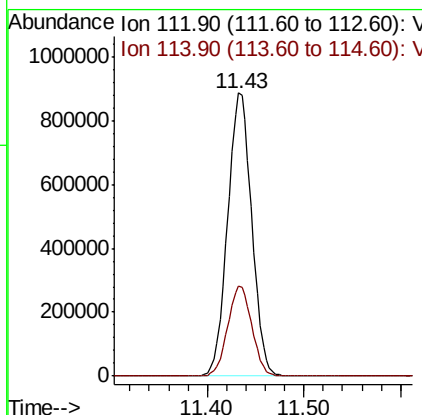
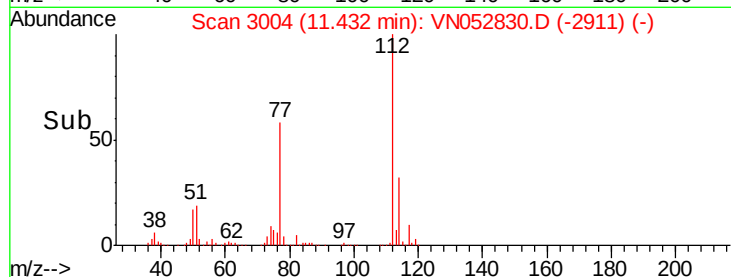
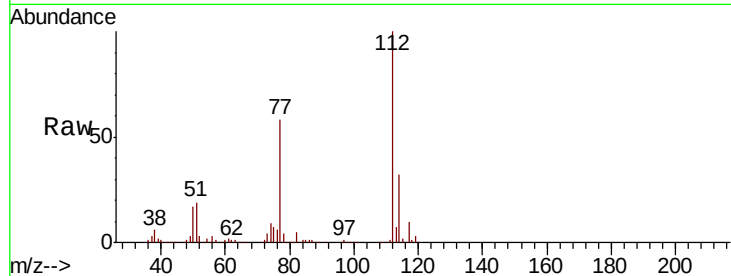




#65  
Chlorobenzene  
Concen: 49.971 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

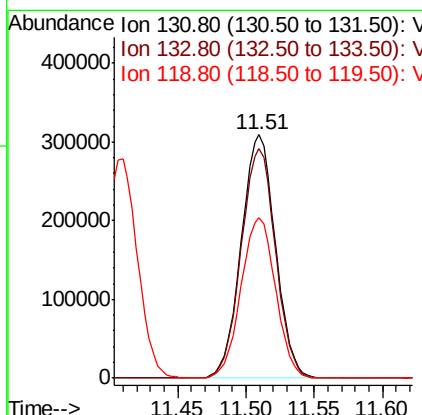
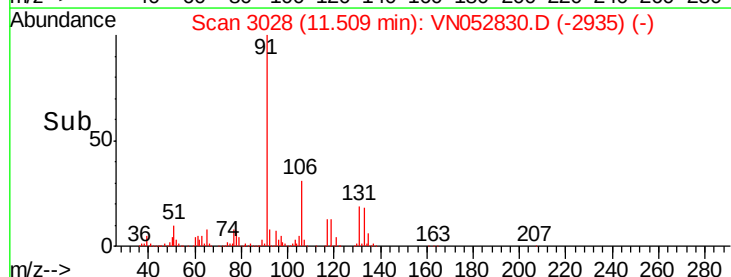
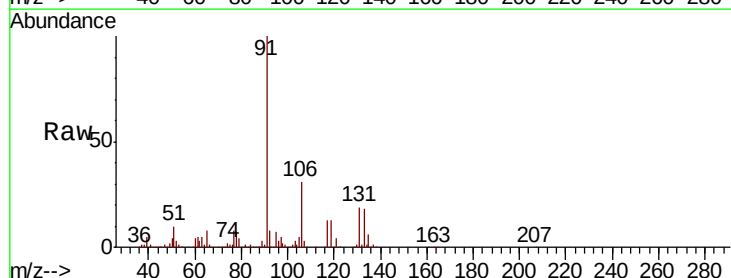
Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

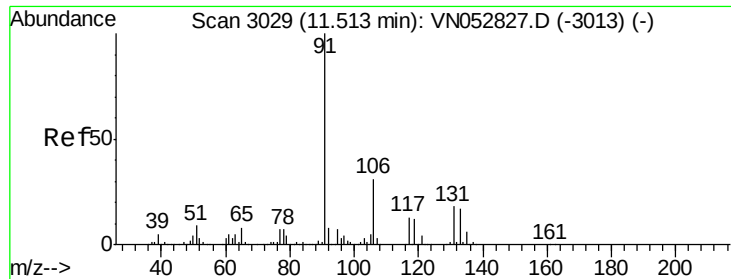
Tot Ion:112 Resp: 1531293  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.373 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion:131 Resp: 536850  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.6 142.9  
119 66.7 33.3 99.8

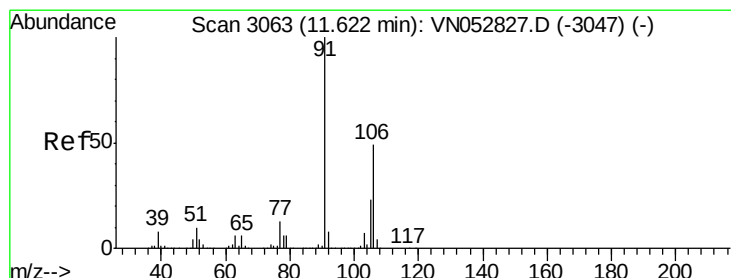
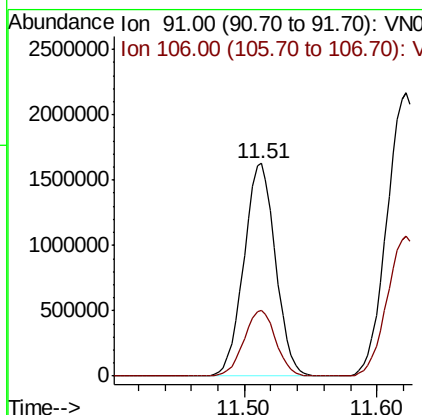
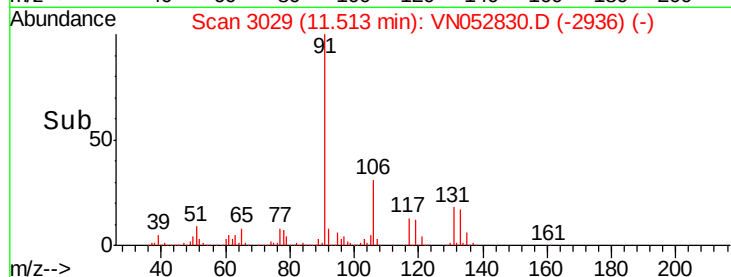
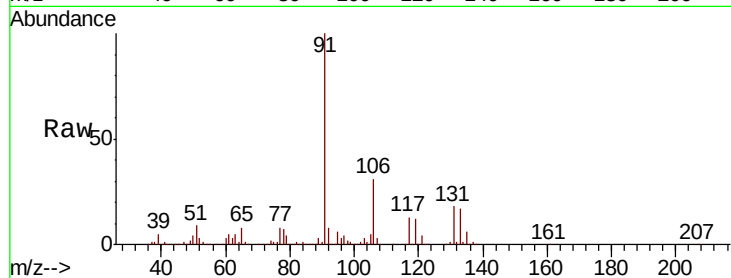




#67  
Ethyl Benzene  
Concen: 51.087 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

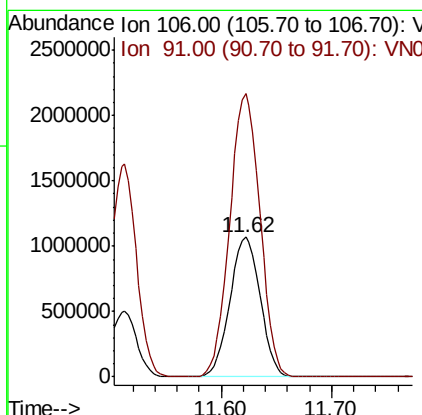
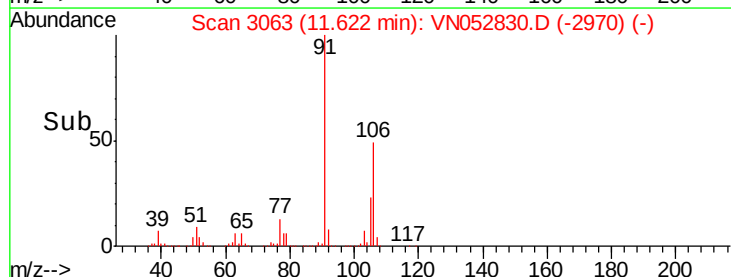
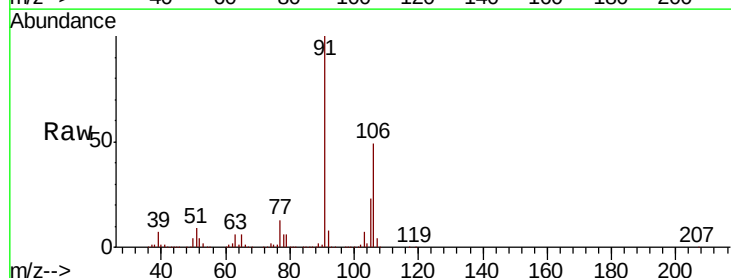
Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

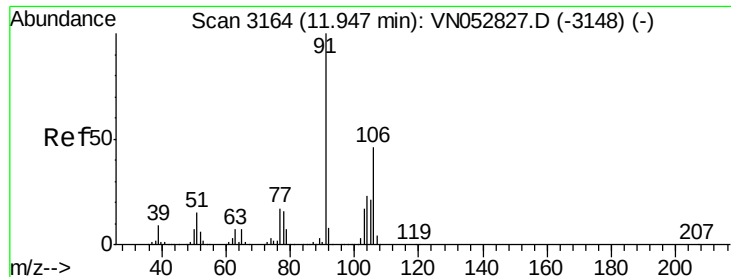
Tot Ion: 91 Resp: 2688440  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.9 37.3



#68  
m/p-Xylenes  
Concen: 103.120 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion: 106 Resp: 2037660  
Ion Ratio Lower Upper  
106 100  
91 202.5 162.2 243.4

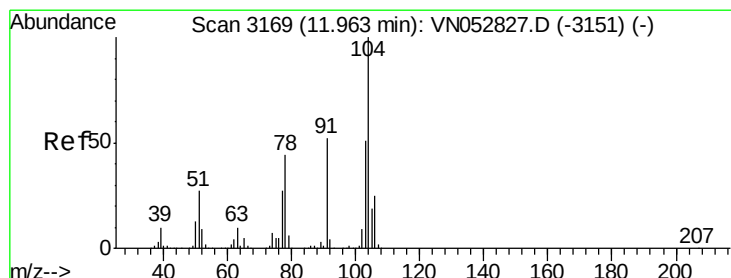
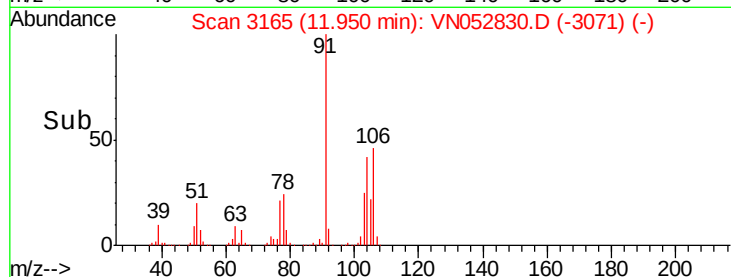
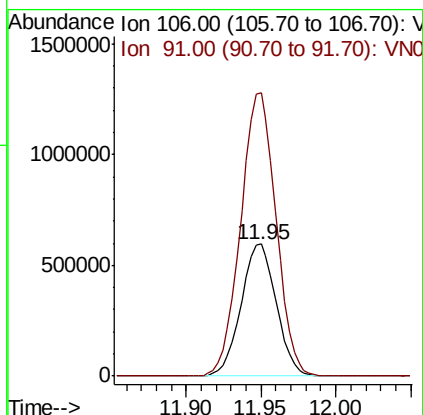
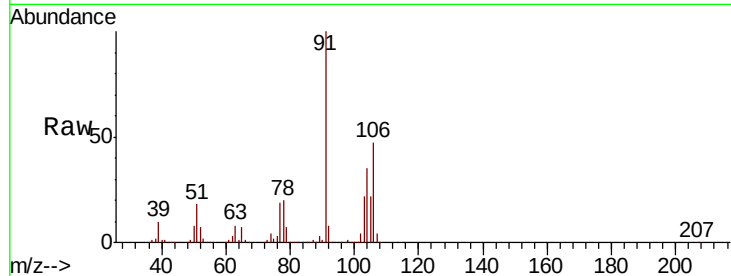




#69  
o-Xylene  
Concen: 50.583 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

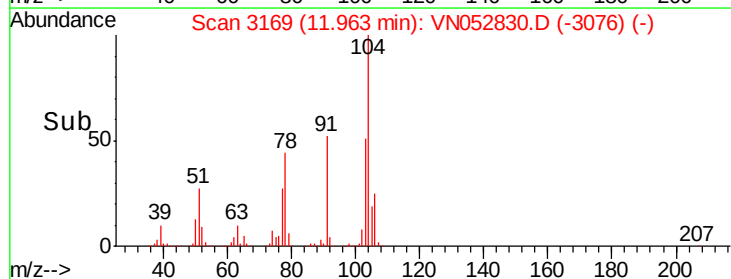
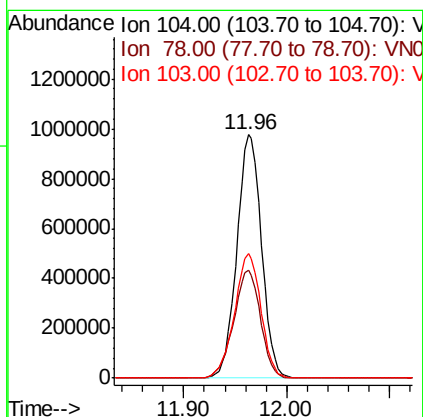
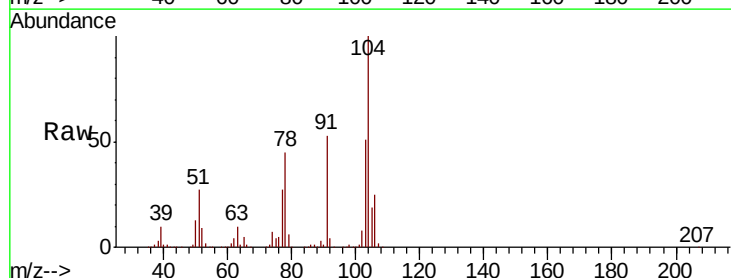
Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

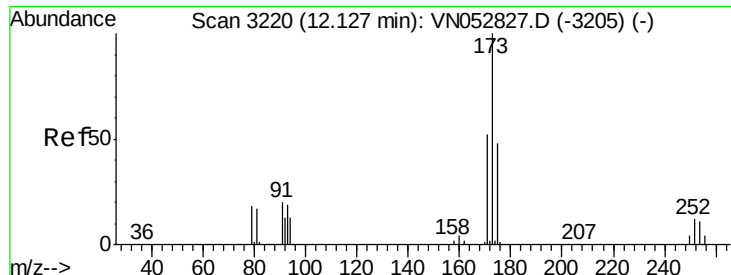
Tot Ion:106 Resp: 976019  
Ion Ratio Lower Upper  
106 100  
91 215.4 106.6 319.8



#70  
Styrene  
Concen: 52.311 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion:104 Resp: 1622573  
Ion Ratio Lower Upper  
104 100  
78 48.4 38.9 58.3  
103 55.0 44.3 66.5

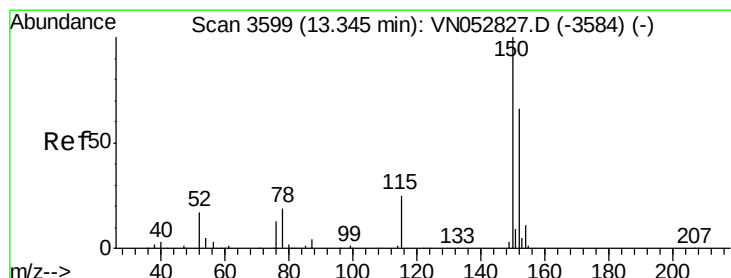
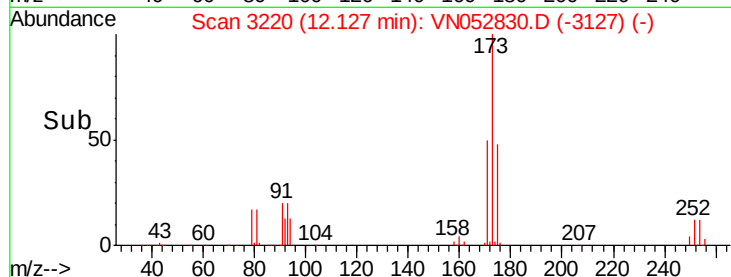
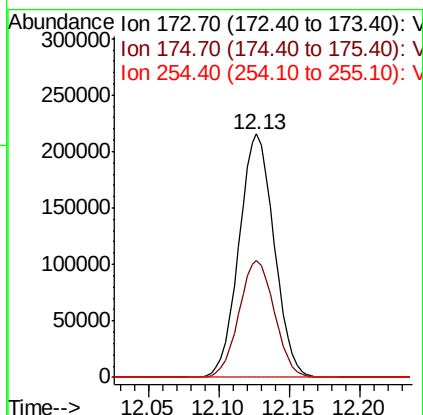
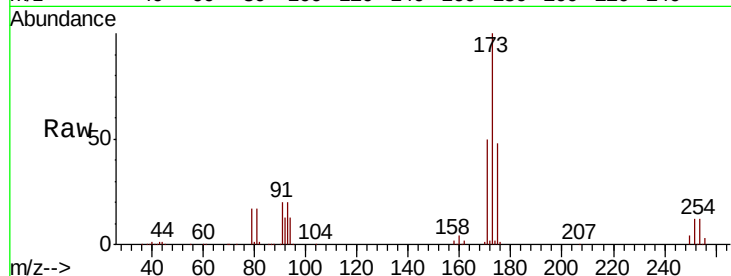




#71  
Bromoform  
Concen: 51.973 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

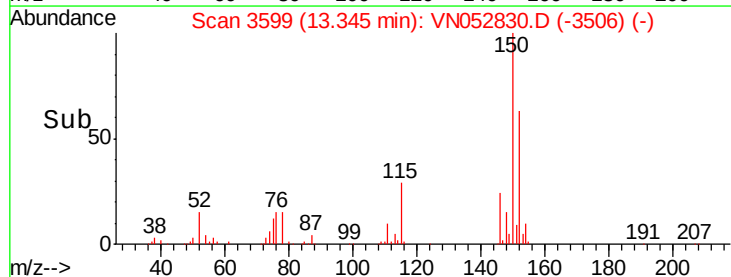
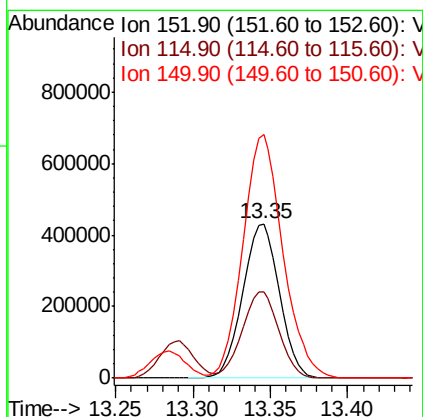
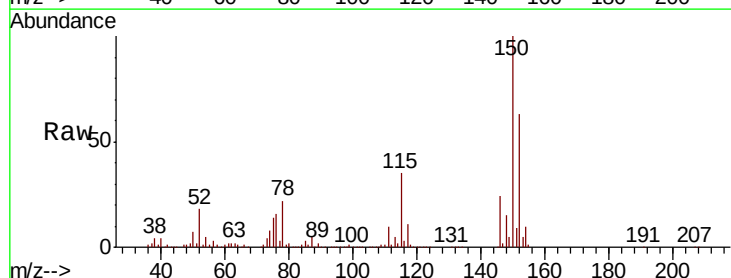
Instrument :  
MSVOA\_N  
ClientSampled :  
BFB

Tot Ion:173 Resp: 376305  
Ion Ratio Lower Upper  
173 100  
175 48.5 24.3 72.9  
254 0.1 0.1 0.1#

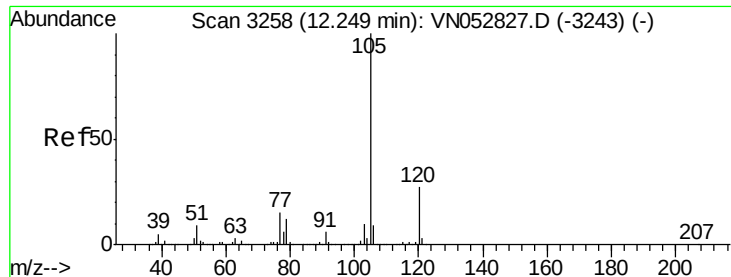


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN052830.D  
Acq: 12 Dec 2018 16:36

Tgt Ion:152 Resp: 711647  
Ion Ratio Lower Upper  
152 100  
115 56.0 28.3 85.0  
150 172.1 0.0 347.8







#73

Isopropylbenzene

Concen: 49.663 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

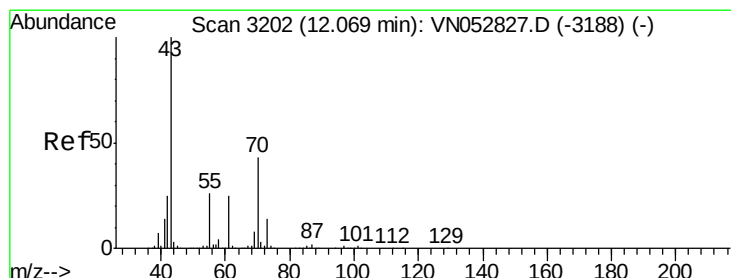
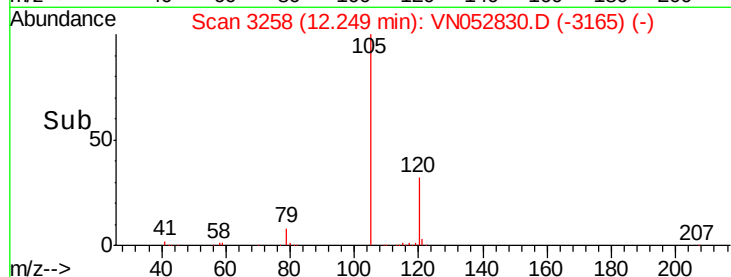
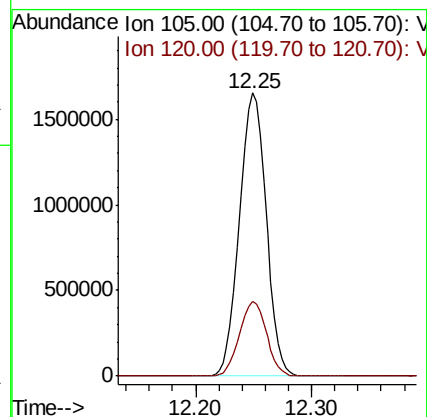
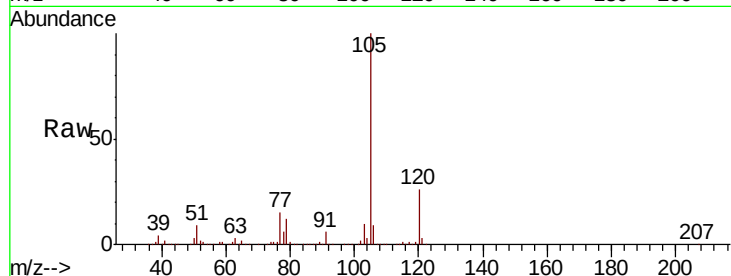
BFB

Tot Ion:105 Resp: 2638779

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 52.011 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Tgt Ion: 43 Resp: 758704

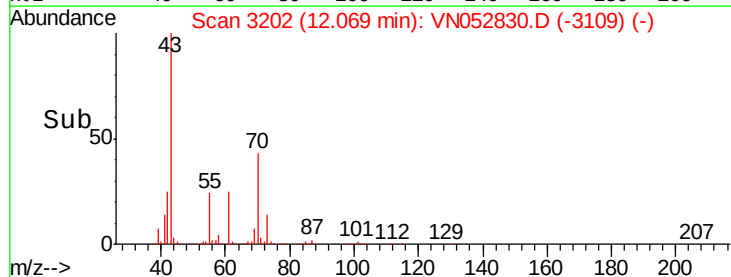
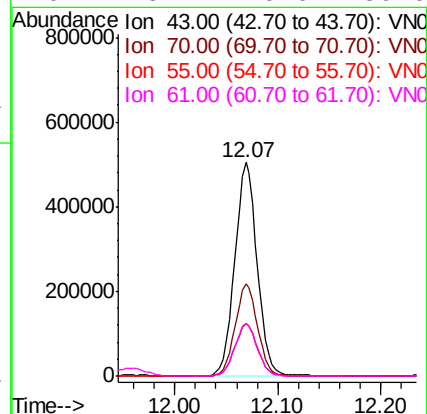
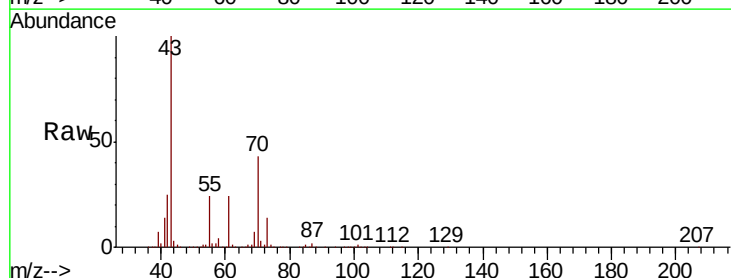
Ion Ratio Lower Upper

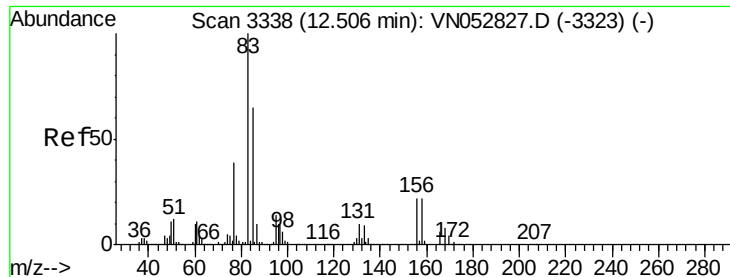
43 100

70 43.3 34.2 51.4

55 25.1 20.3 30.5

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.257 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

BFB

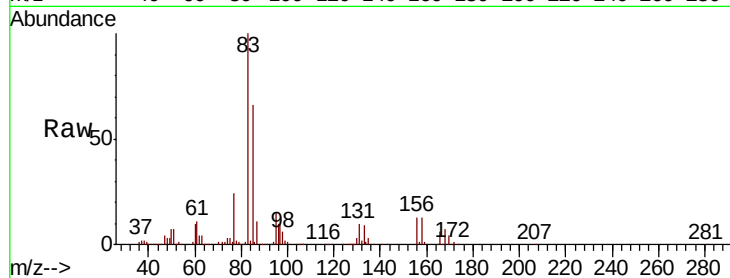
Tot Ion: 83 Resp: 574653

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

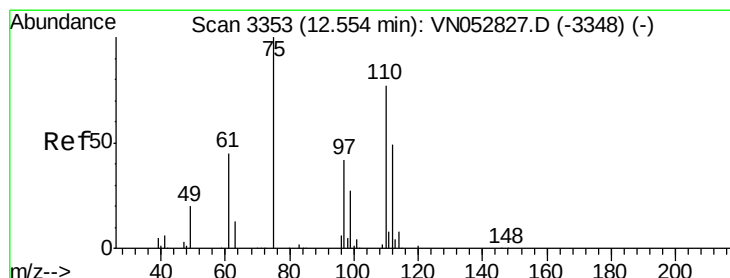
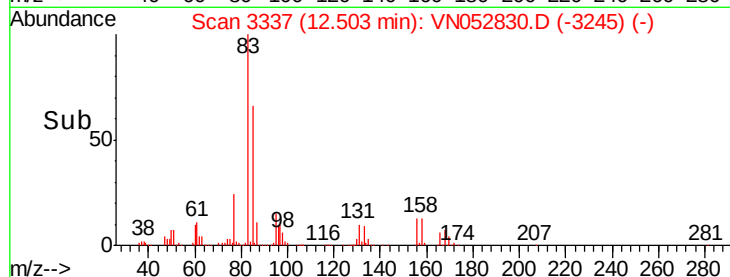
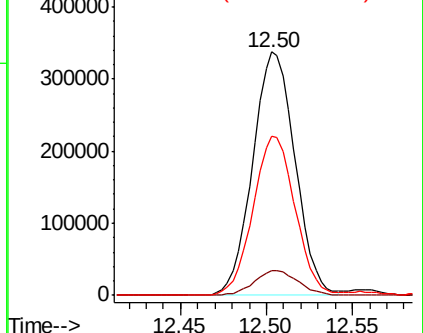
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052827.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 72.607 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052830.D

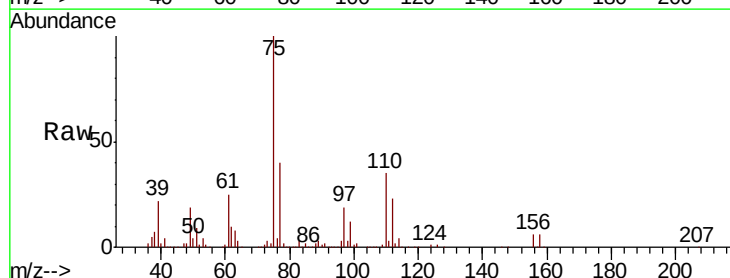
Acq: 12 Dec 2018 16:36

Tgt Ion: 75 Resp: 762344

Ion Ratio Lower Upper

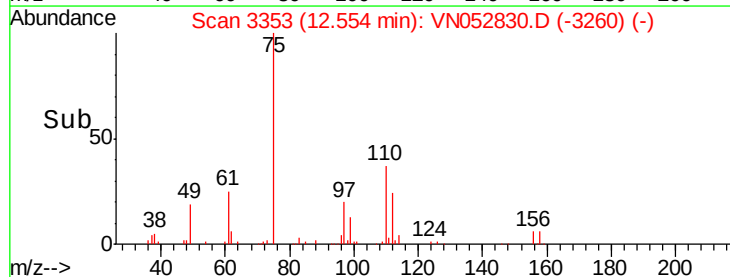
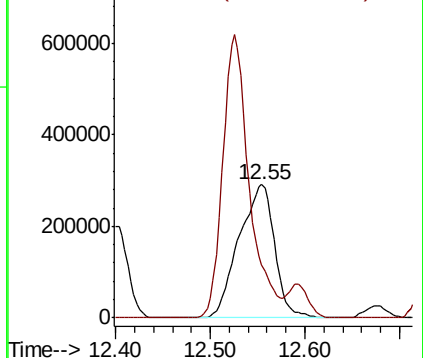
75 100

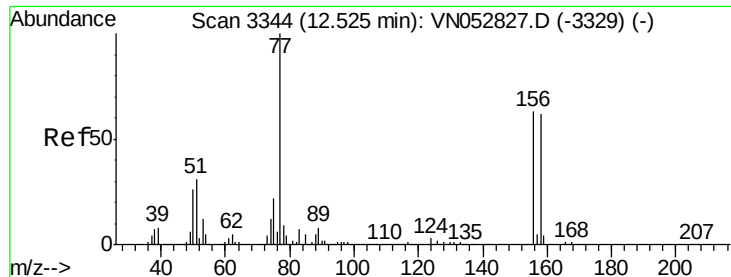
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052827.D (-3348) (-)





#77

Bromobenzene

Concen: 48.994 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

BFB

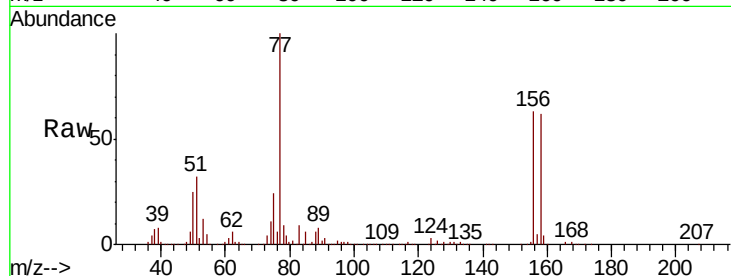
Tot Ion:156 Resp: 662130

Ion Ratio Lower Upper

156 100

77 183.2 91.3 273.8

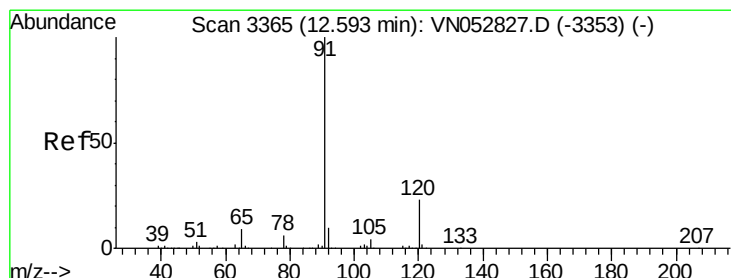
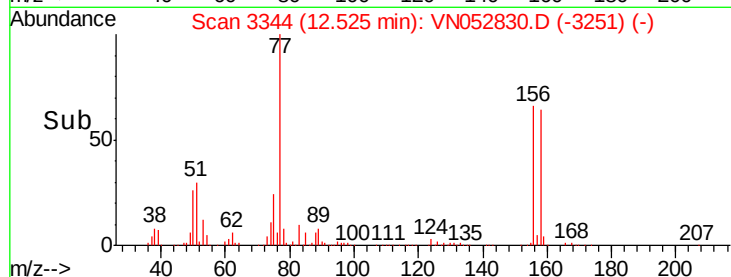
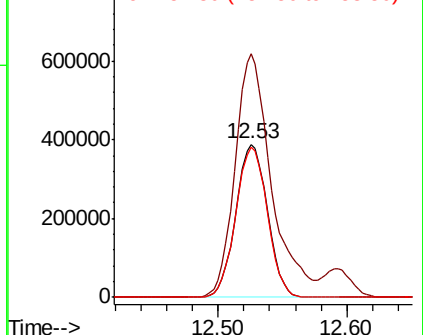
158 98.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.813 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052830.D

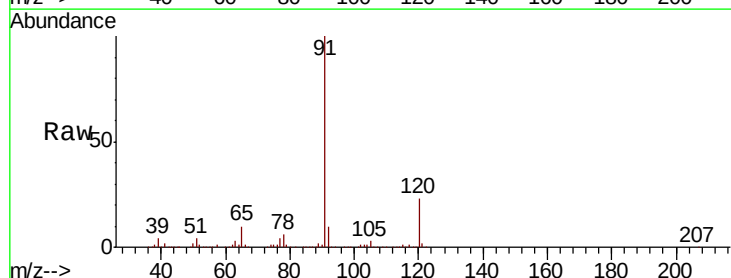
Acq: 12 Dec 2018 16:36

Tgt Ion: 91 Resp: 3079194

Ion Ratio Lower Upper

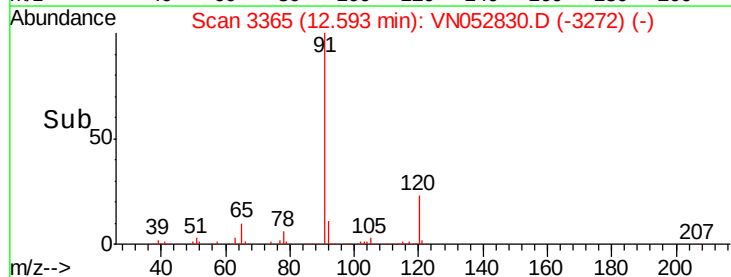
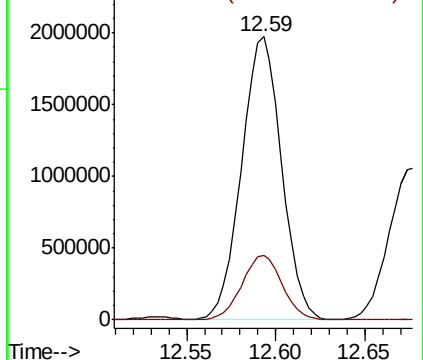
91 100

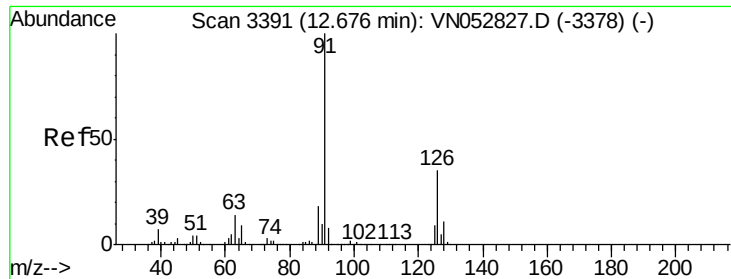
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.094 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

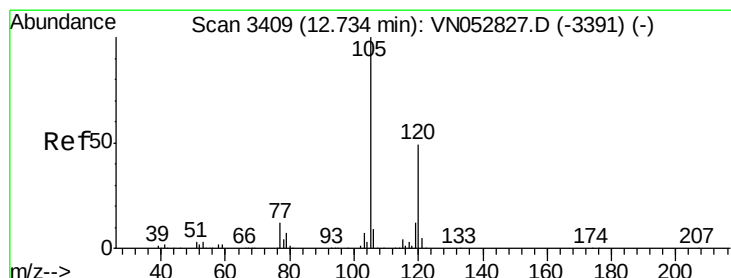
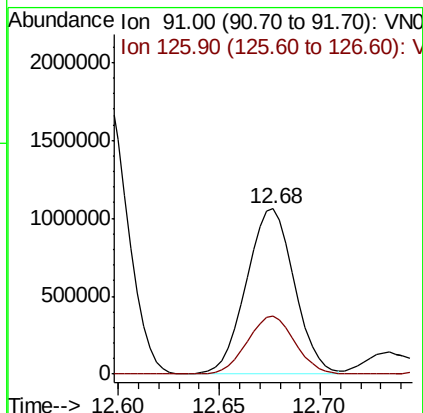
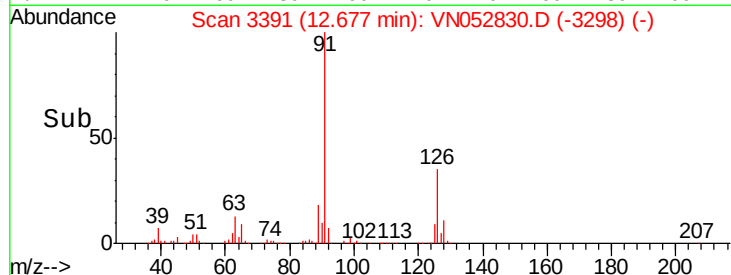
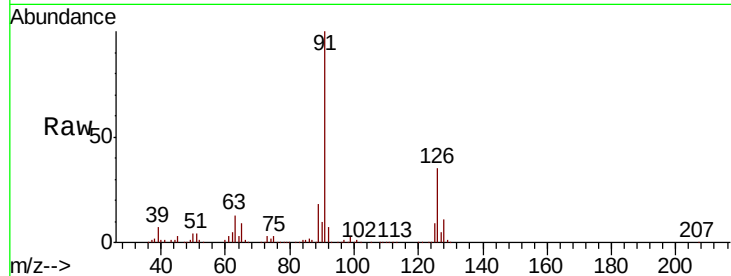
BFB

Tot Ion: 91 Resp: 1758808

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 50.200 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052830.D

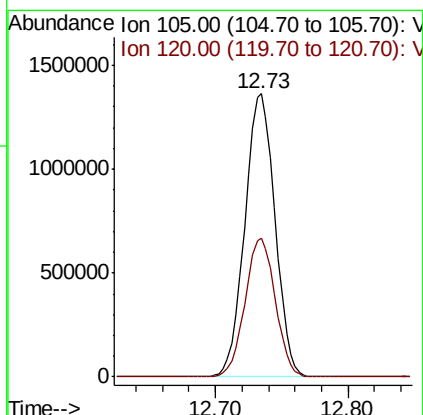
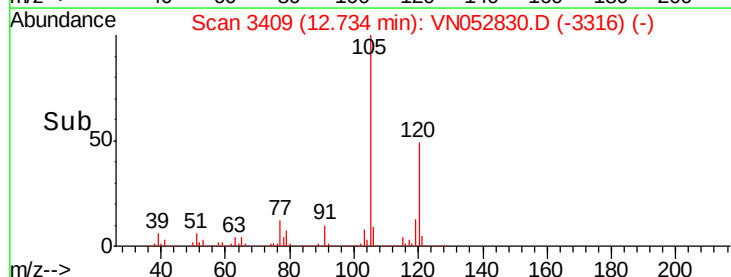
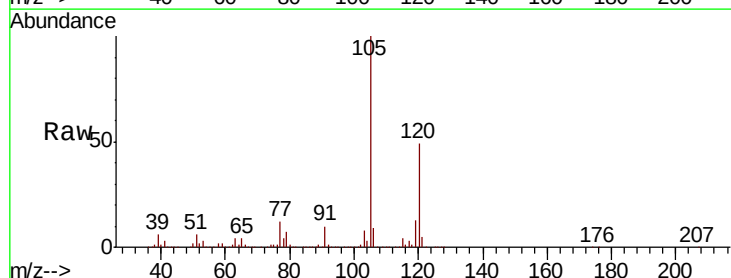
Acq: 12 Dec 2018 16:36

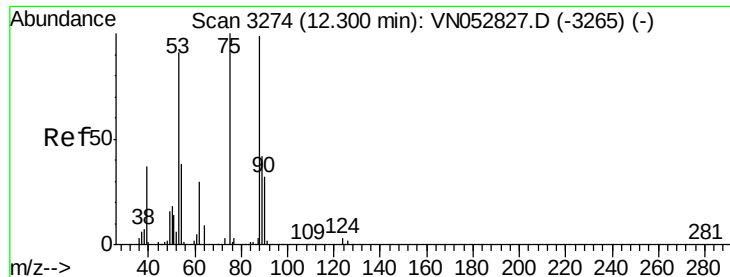
Tgt Ion: 105 Resp: 2153194

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.485 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

BFB

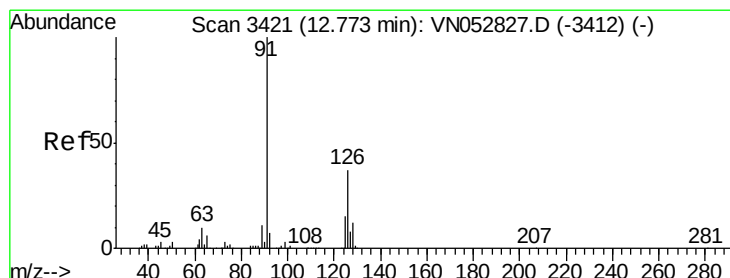
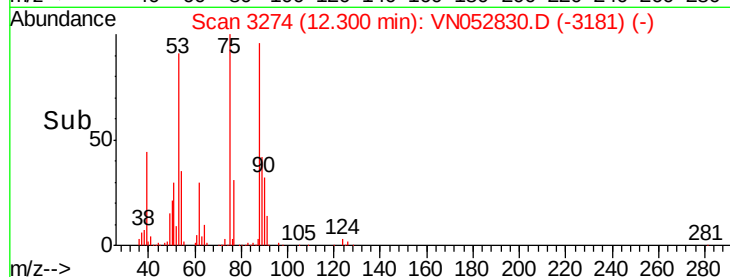
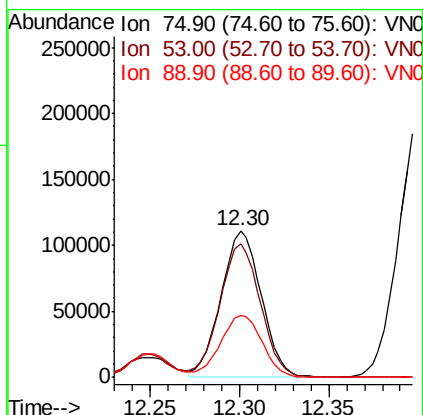
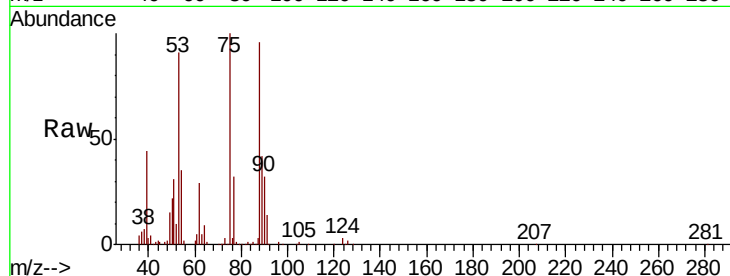
Tot Ion: 75 Resp: 174807

Ion Ratio Lower Upper

75 100

53 92.1 74.7 112.1

89 43.9 36.1 54.1



#82

4-Chlorotoluene

Concen: 49.708 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052830.D

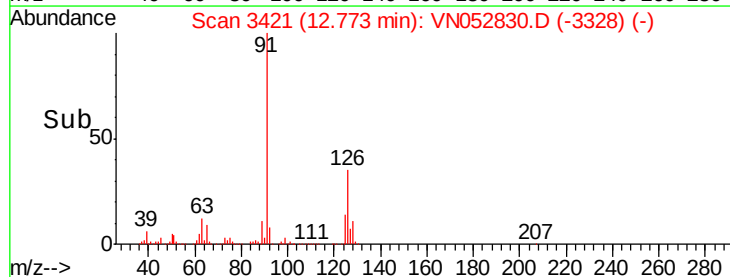
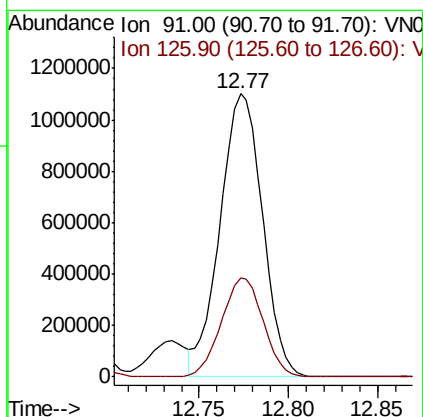
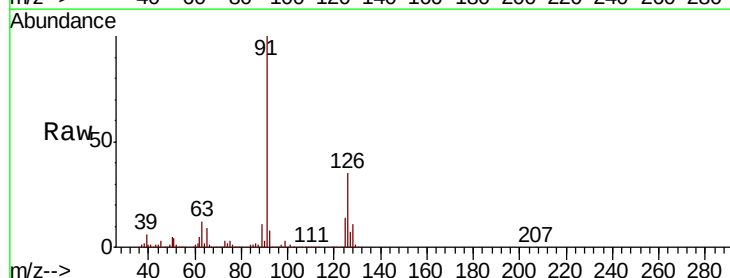
Acq: 12 Dec 2018 16:36

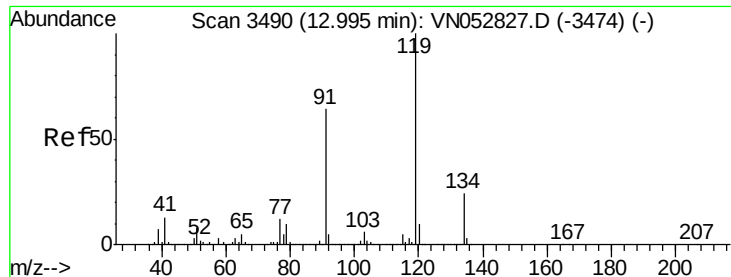
Tgt Ion: 91 Resp: 1820753

Ion Ratio Lower Upper

91 100

126 34.5 17.3 51.7

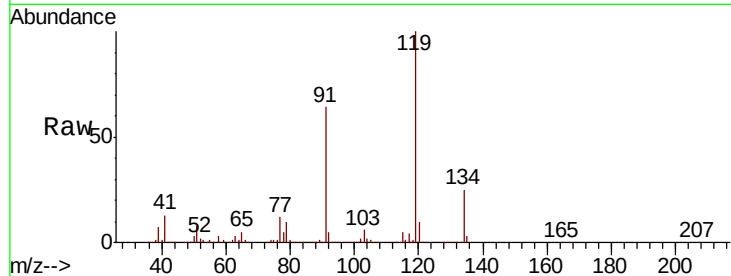




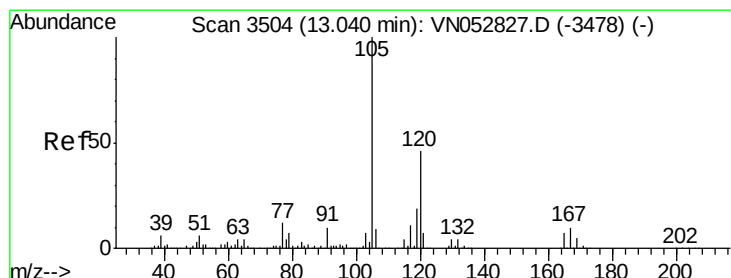
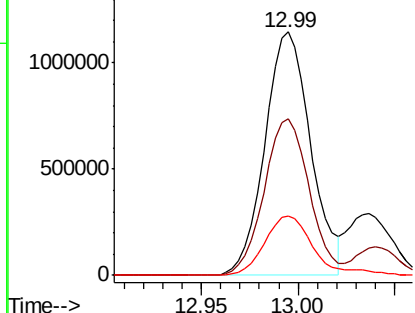
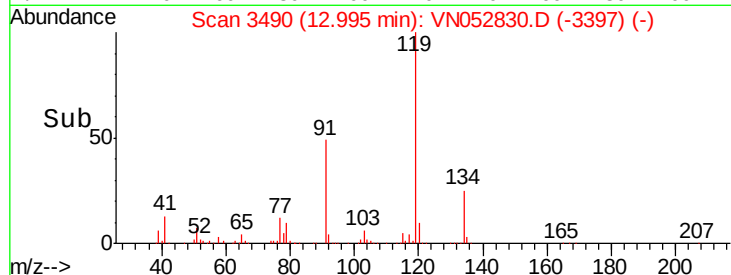
#83  
 tert-Butylbenzene  
 Concen: 49.993 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 BFB

Tot Ion:119 Resp: 1891562  
 Ion Ratio Lower Upper  
 119 100  
 91 63.5 31.9 95.5  
 134 26.0 12.8 38.4

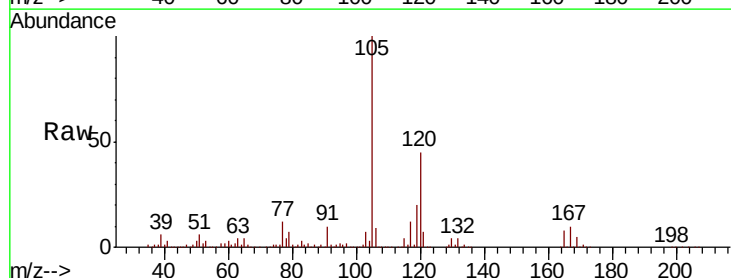


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

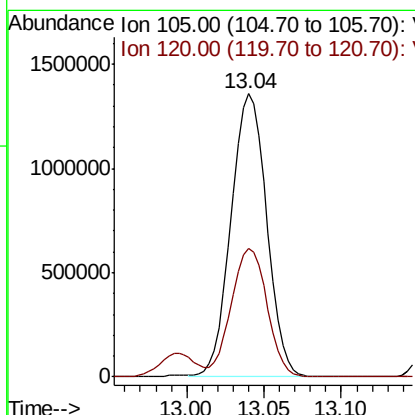
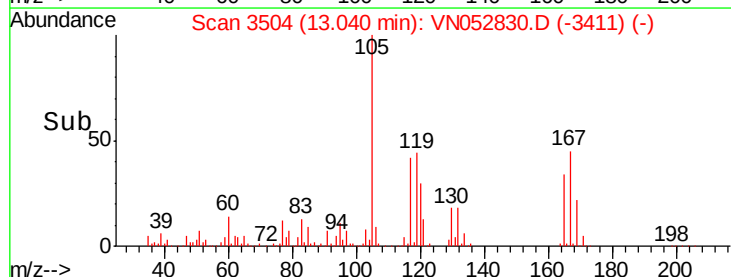


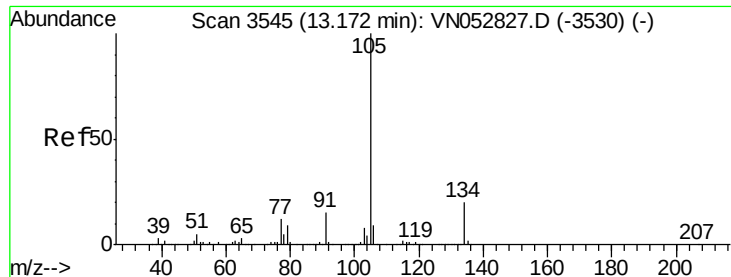
#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.995 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Tgt Ion:105 Resp: 2170944  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 50.877 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

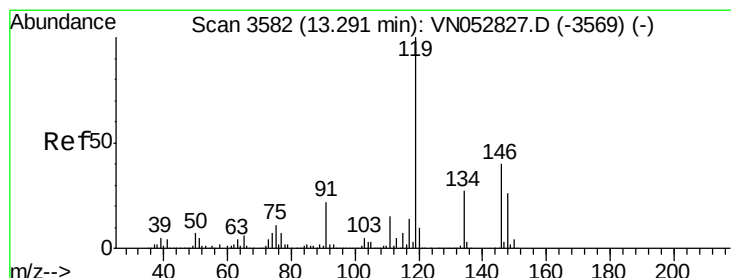
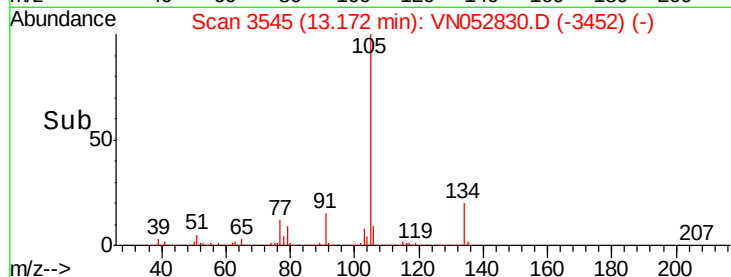
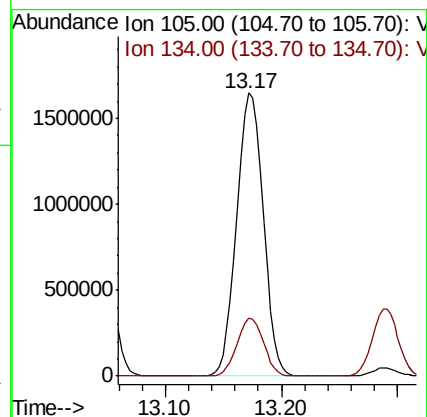
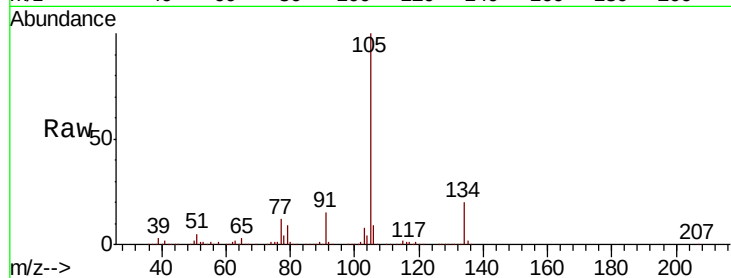
BFB

Tot Ion:105 Resp: 2607021

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



#86

p-Isopropyltoluene

Concen: 51.415 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

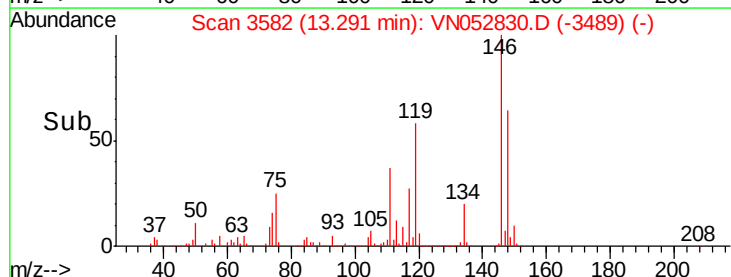
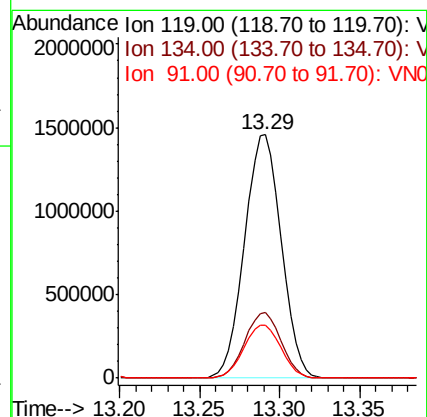
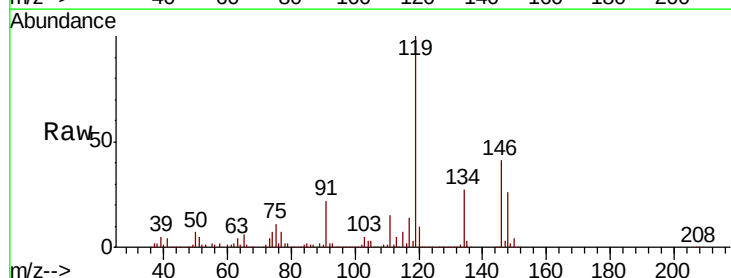
Tgt Ion:119 Resp: 2282538

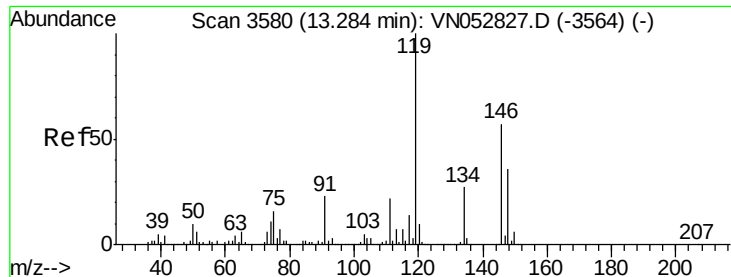
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.0 11.1 33.3

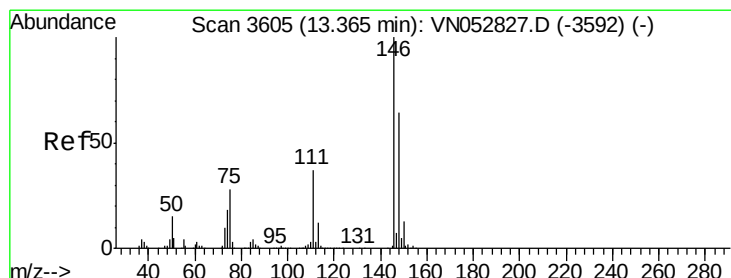
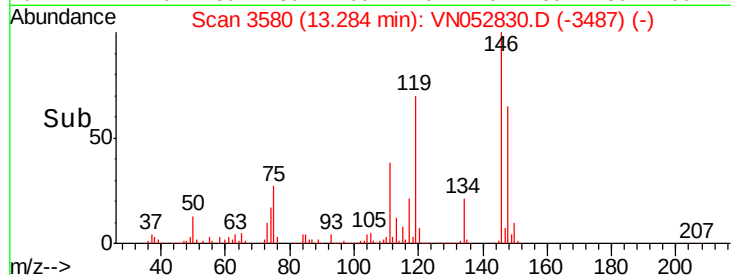
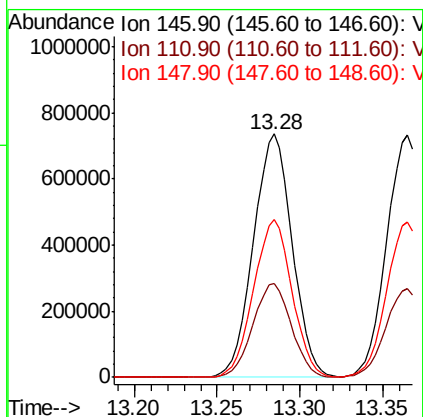
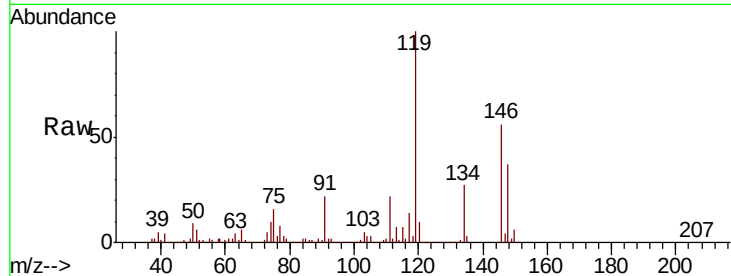




#87  
 1,3-Dichlorobenzene  
 Concen: 49.898 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

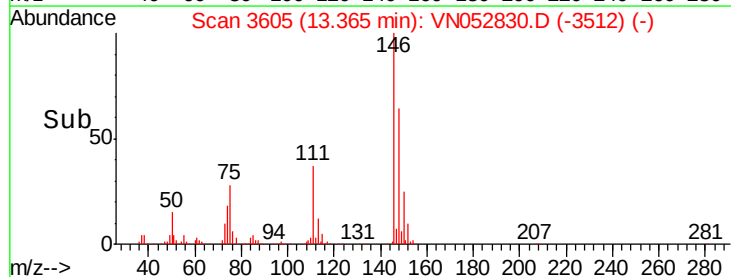
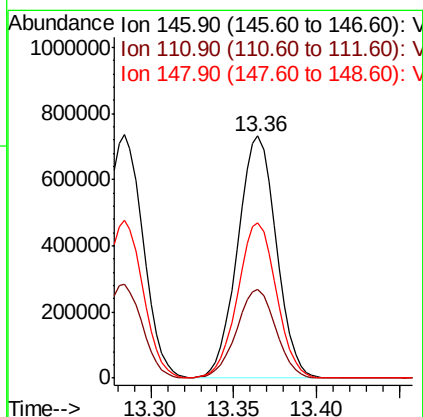
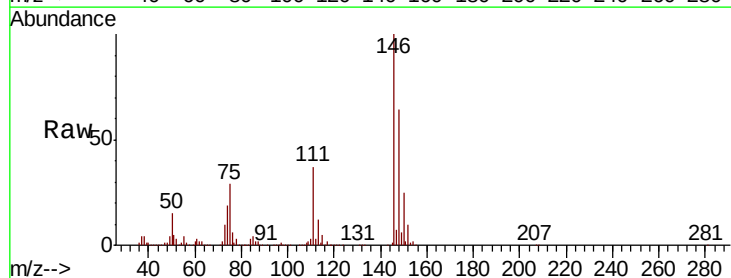
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BFB

Tot Ion:146 Resp: 1198362  
 Ion Ratio Lower Upper  
 146 100  
 111 38.4 19.1 57.1  
 148 64.5 32.0 96.0

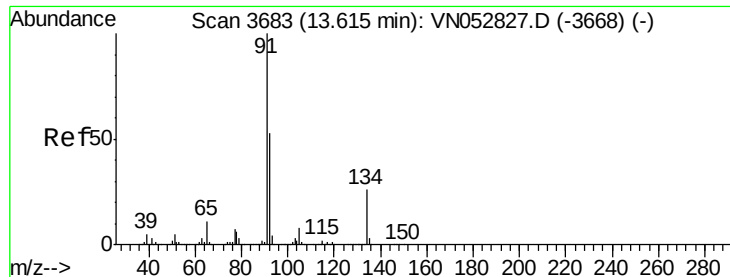


#88  
 1,4-Dichlorobenzene  
 Concen: 49.865 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Tgt Ion:146 Resp: 1185956  
 Ion Ratio Lower Upper  
 146 100  
 111 37.2 18.6 55.8  
 148 64.2 32.1 96.5







#89

n-Butylbenzene

Concen: 52.645 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

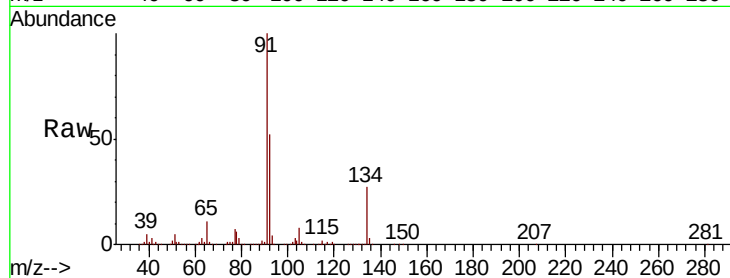
MSVOA\_N

ClientSampleId :

BFB

Tot Ion: 91 Resp: 1967493

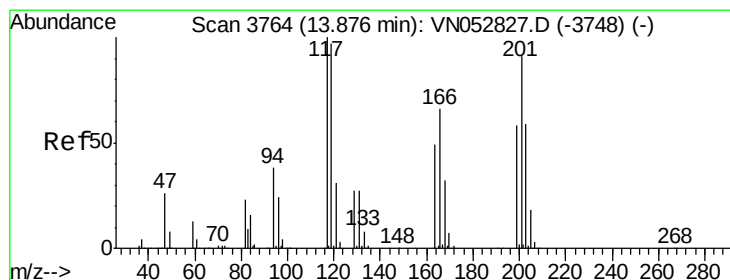
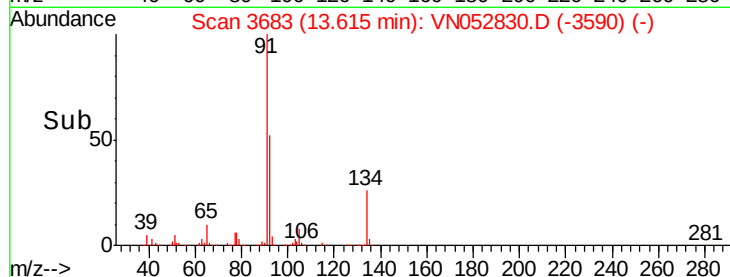
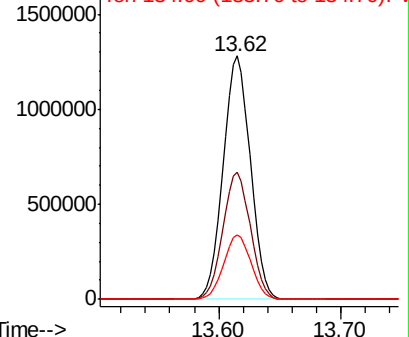
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 52.6  | 26.3  | 78.9  |
| 134 | 26.5  | 13.3  | 39.8  |



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90

Hexachloroethane

Concen: 50.691 ug/l

RT: 13.88 min Scan# 3764

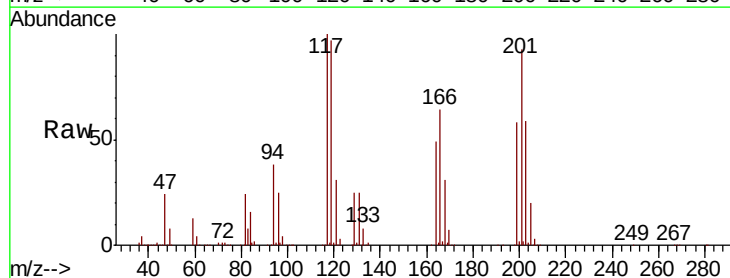
Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

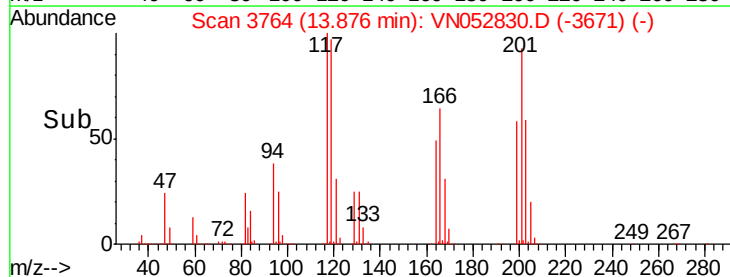
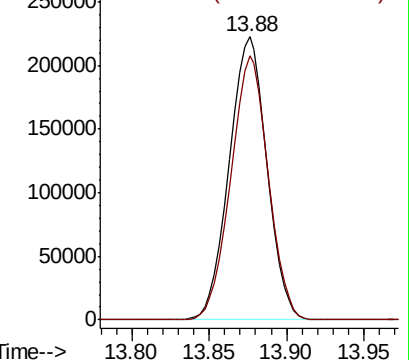
Tgt Ion: 117 Resp: 376825

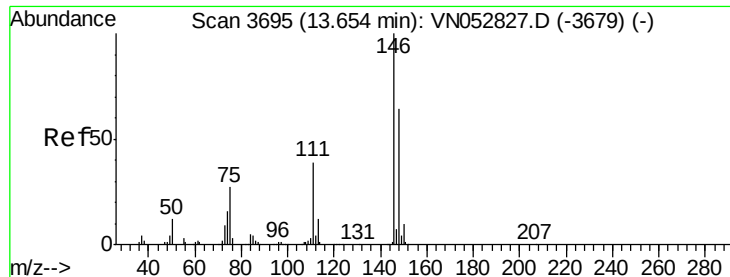
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 92.6  | 45.7  | 137.1 |



Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 49.016 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampleId :

BFB

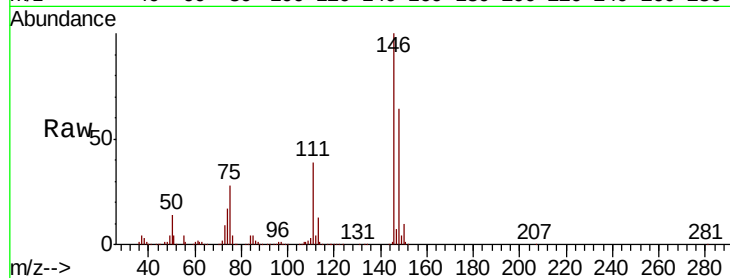
Tot Ion:146 Resp: 1132367

Ion Ratio Lower Upper

146 100

111 39.5 19.7 59.0

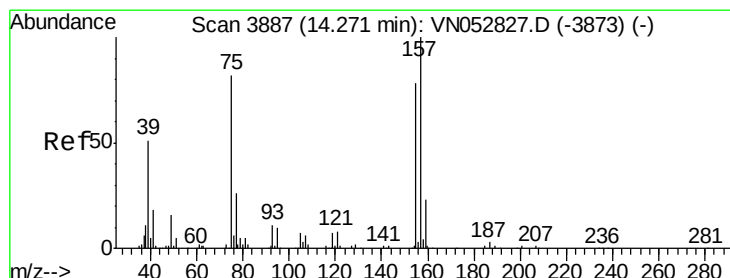
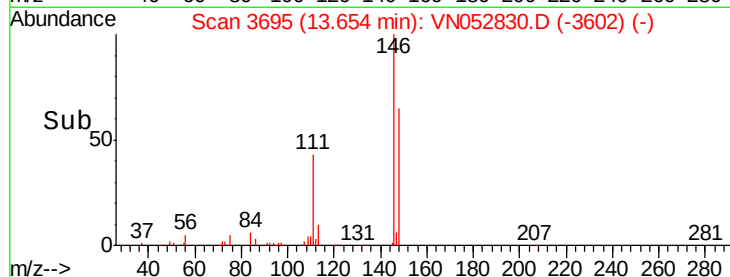
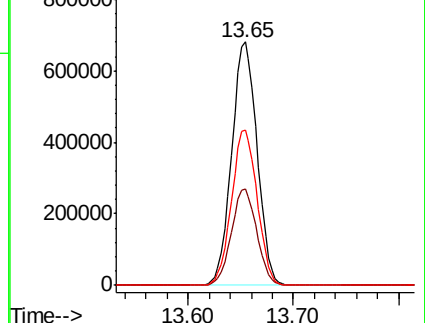
148 64.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.394 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

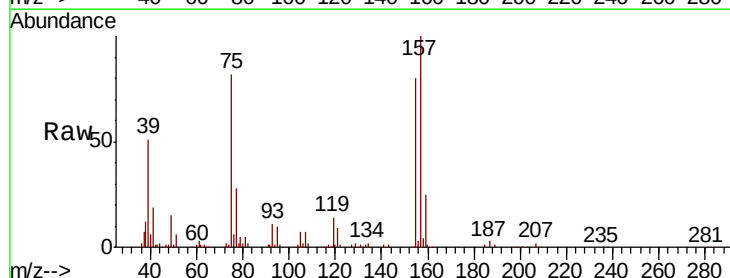
Tgt Ion: 75 Resp: 92254

Ion Ratio Lower Upper

75 100

155 95.8 48.2 144.6

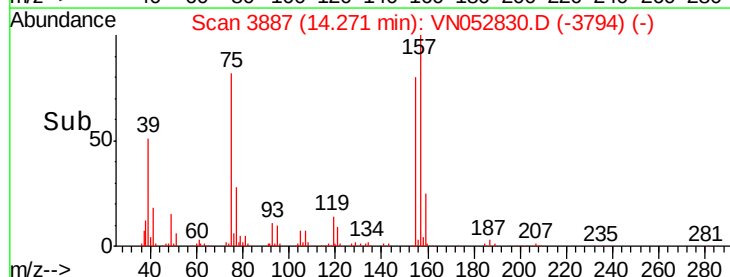
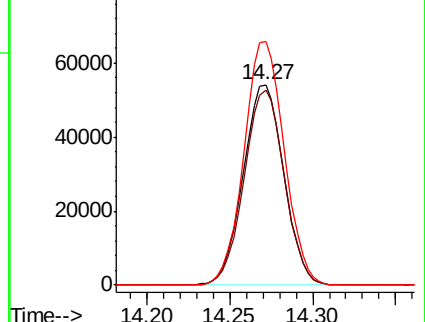
157 120.5 61.2 183.5

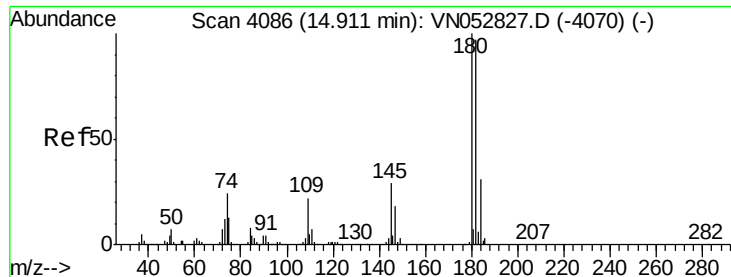


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

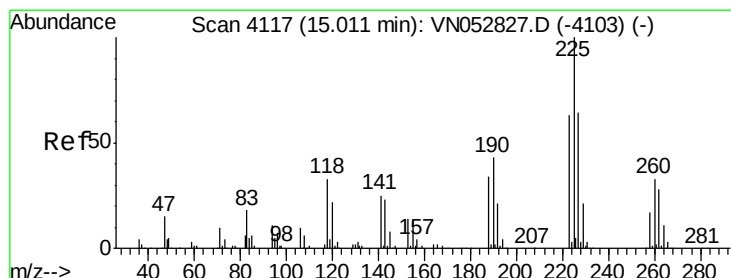
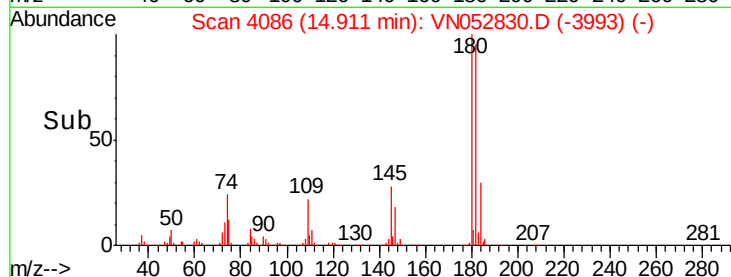
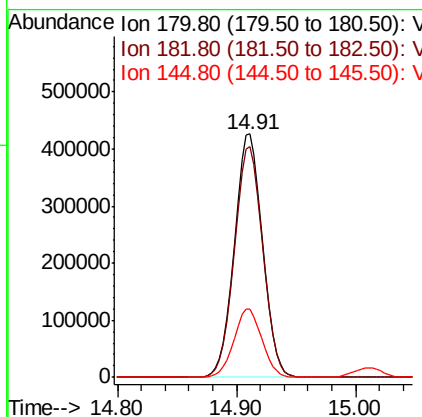
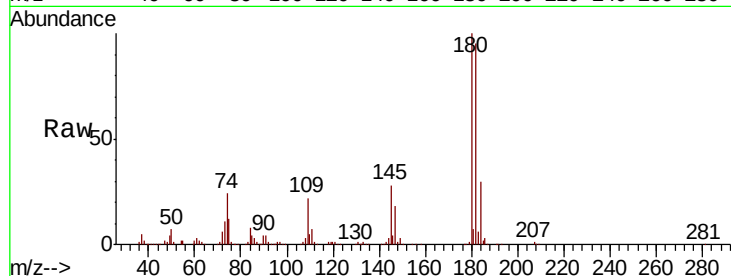




#93  
 1,2,4-Trichlorobenzene  
 Concen: 55.452 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

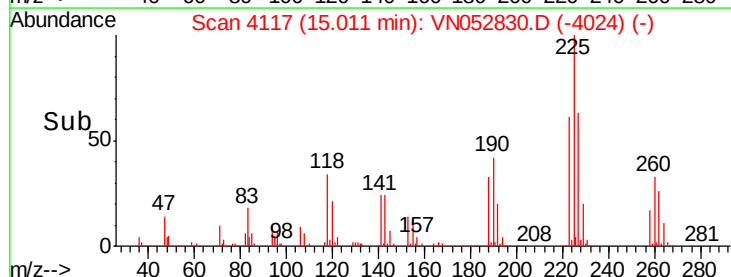
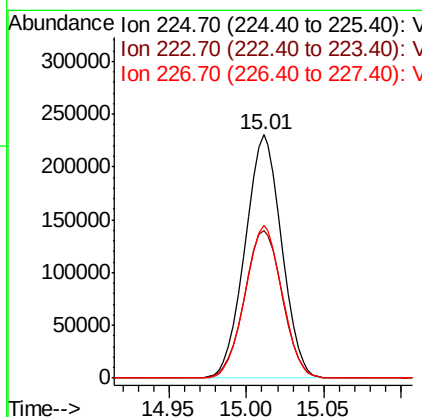
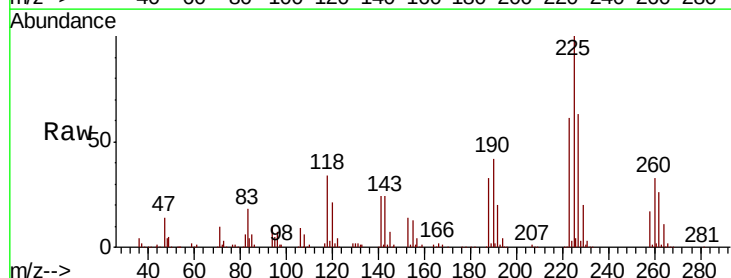
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 BFB

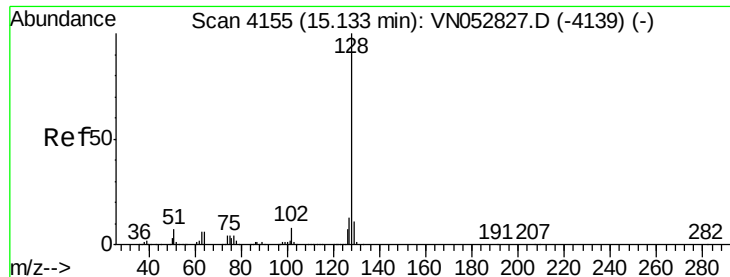
Tot Ion:180 Resp: 696354  
 Ion Ratio Lower Upper  
 180 100  
 182 95.8 47.8 143.3  
 145 28.0 14.2 42.6



#94  
 Hexachlorobutadiene  
 Concen: 52.213 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN052830.D  
 Acq: 12 Dec 2018 16:36

Tgt Ion:225 Resp: 379522  
 Ion Ratio Lower Upper  
 225 100  
 223 62.5 31.5 94.5  
 227 63.3 31.9 95.7





#95

Naphthalene

Concen: 55.231 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA\_N

ClientSampled :

BFB

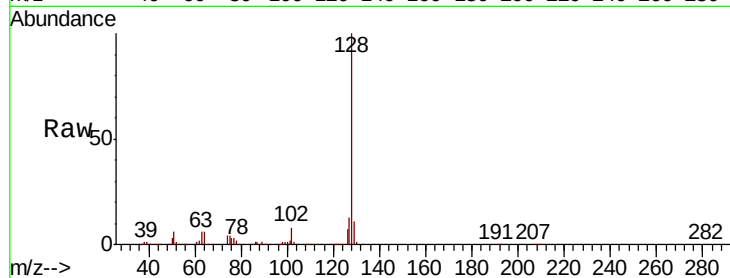
Tot Ion:128 Resp: 1436506

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

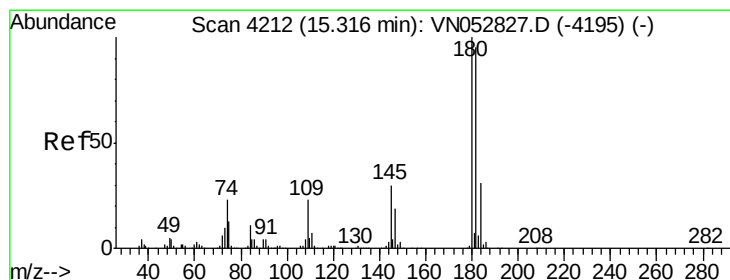
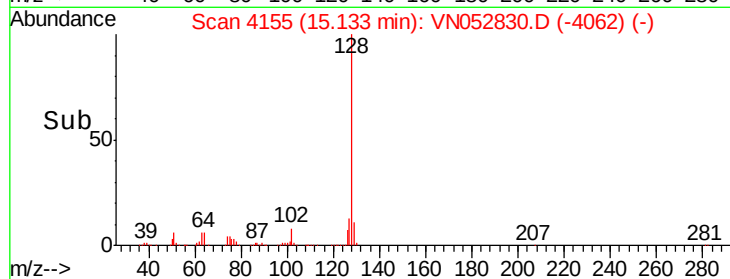
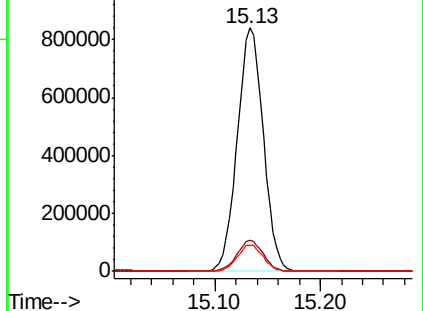
129 10.8 8.6 13.0



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: 55.128 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

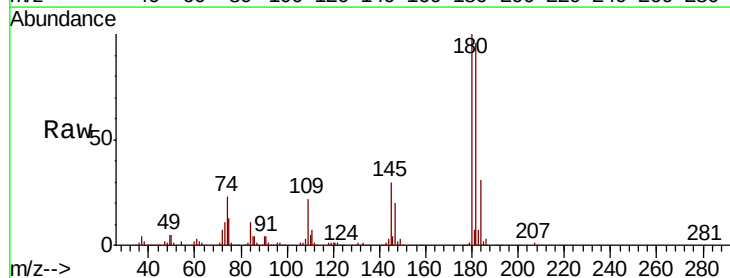
Tgt Ion:180 Resp: 635231

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 30.1 15.0 45.0



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

