

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\  
 Data File : VN051999.D  
 Acq On : 25 Oct 2018 8:41  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Oct 26 01:07:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 10:12:55 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1303854  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1831853  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1716596  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 863904   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 505534   | 43.53 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.06% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 555050   | 47.48 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.96% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2019118  | 47.80 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.60% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 688126   | 47.39 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.78% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 375655   | 45.401  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50   | 329961   | 44.290  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62   | 423490   | 42.408  | ug/l   | 98     |
| 5) Bromomethane               | 2.57 | 94   | 419751   | 43.902  | ug/l   | 94     |
| 6) Chloroethane               | 2.71 | 64   | 301538   | 40.673  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101  | 792005   | 44.511  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74   | 238810   | 45.142  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101  | 497355   | 46.661  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.96 | 142  | 773355   | 49.039  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.78 | 59   | 110730   | 184.252 | ug/l # | 72     |
| 12) 1,1-Dichloroethene        | 3.74 | 96   | 442249   | 46.330  | ug/l   | 96     |
| 13) Acrolein                  | 3.61 | 56   | 84398    | 244.880 | ug/l   | 98     |
| 14) Allyl chloride            | 4.33 | 41   | 463228   | 45.860  | ug/l   | 98     |
| 15) Acrylonitrile             | 4.99 | 53   | 576524   | 227.253 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43   | 399645   | 208.886 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.06 | 76   | 1070227  | 47.166  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.32 | 43   | 263392   | 45.102  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 1165296  | 45.469  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84   | 493928   | 44.008  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96   | 510598   | 47.231  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.95 | 45   | 1068757  | 46.247  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.90 | 43   | 3680348  | 234.109 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 773522   | 45.847  | ug/l   | 99     |
| 25) 2-Butanone                | 6.83 | 43   | 616270   | 225.948 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77   | 746501   | 48.359  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 596634   | 47.243  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.19 | 49   | 319119   | 46.930  | ug/l   | 93     |
| 29) Tetrahydrofuran           | 7.21 | 42   | 392343   | 212.313 | ug/l   | 100    |
| 30) Chloroform                | 7.37 | 83   | 940096   | 45.632  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56   | 640117   | 47.078  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 887727   | 47.123  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 675750   | 48.089  | ug/l   | 98     |
| 37) Ethyl Acetate             | 6.93 | 43   | 289605   | 45.973  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 817819   | 50.696  | ug/l   | 99     |

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 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Oct 26 01:07:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 10:12:55 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 839793   | 48.931  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 2010220  | 48.181  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 159098   | 50.385  | ug/l   | 90       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 618745   | 46.253  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 560628   | 47.639  | ug/l # | 87       |
| 44) Trichloroethene            | 8.84  | 130  | 674669   | 50.379  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 463859   | 49.148  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 354948   | 46.654  | ug/l   | 94       |
| 47) Bromodichloromethane       | 9.40  | 83   | 715457   | 49.793  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 266252   | 46.808  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 76984    | 738.100 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1495020  | 230.955 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 1404313  | 49.636  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 685937   | 46.826  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 774346   | 51.560  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 501164   | 47.943  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 549264   | 48.882  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 751243   | 47.339  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 1445944  | 245.932 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1023728  | 235.376 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 611454   | 46.017  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 536366   | 48.664  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 659343   | 50.043  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 1705311  | 49.203  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 631374   | 50.682  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 2715968  | 48.751  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 2280312  | 102.445 | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 1090671  | 50.382  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 1768121  | 51.102  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 394121   | 43.211  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 2941803  | 53.694  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 513608   | 47.626  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 497448   | 43.941  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 639398   | 71.652  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 823388   | 54.455  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.59 | 91   | 3145981  | 53.229  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1798996  | 52.268  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 2341332  | 53.264  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 136279   | 49.256  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1858278  | 52.147  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 2165314  | 52.082  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2350794  | 51.846  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 2770174  | 51.017  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 2547897  | 52.119  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1425460  | 51.114  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1385259  | 50.384  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 1883531  | 48.387  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 378668   | 51.993  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1274637  | 47.246  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 53890    | 31.003  | ug/l   | 89       |

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ALS Vial : 2 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Oct 26 01:07:58 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 24 10:12:55 2018  
Response via : Initial Calibration

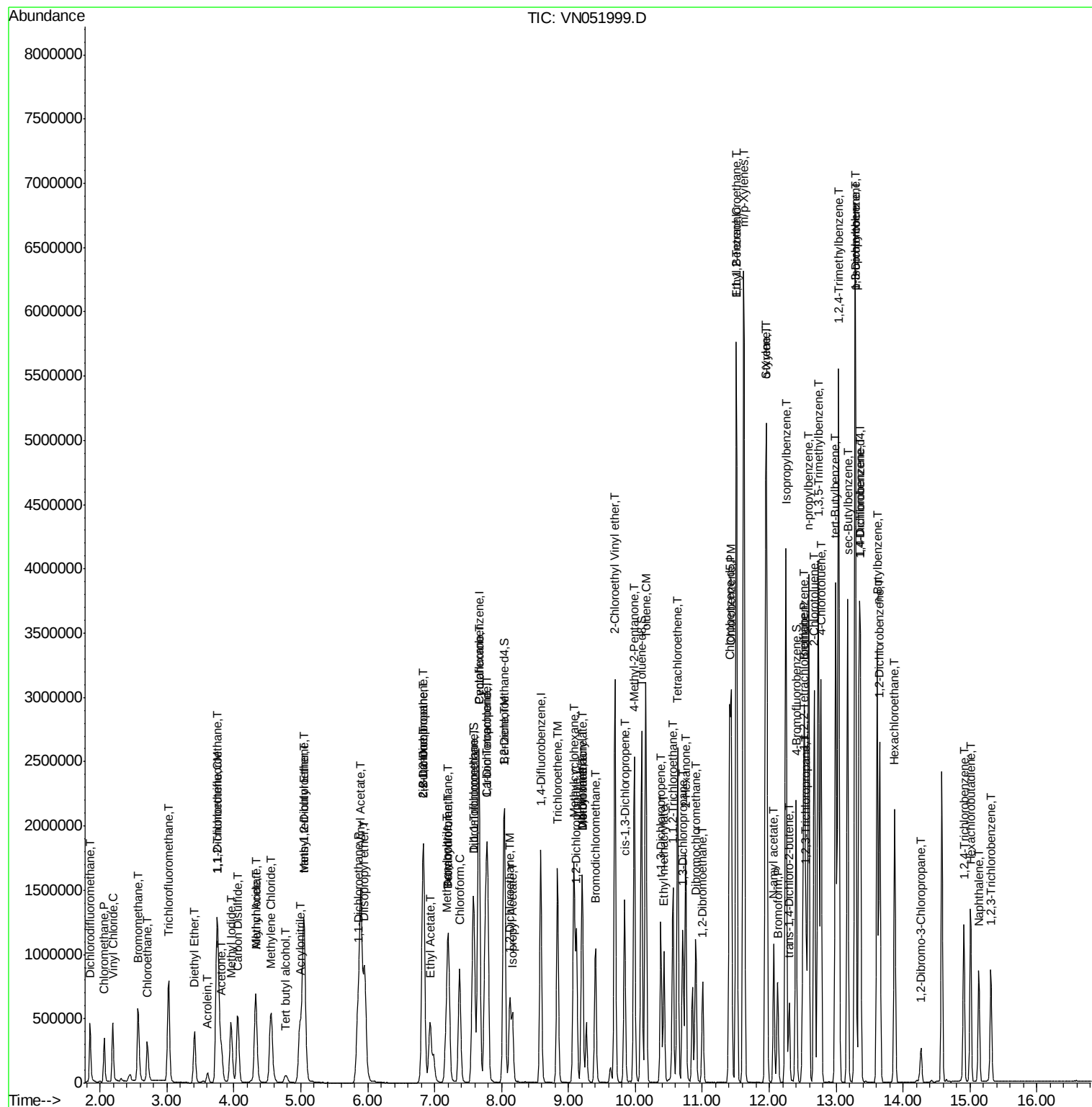
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 440642   | 27.650 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 280619   | 34.269 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 807701   | 23.337 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 327508   | 21.500 | ug/l  | 97       |

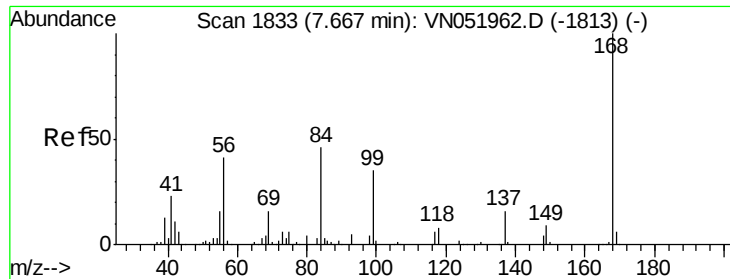
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ALS Vial : 2 Sample Multiplier: 28

Instrument :  
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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: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

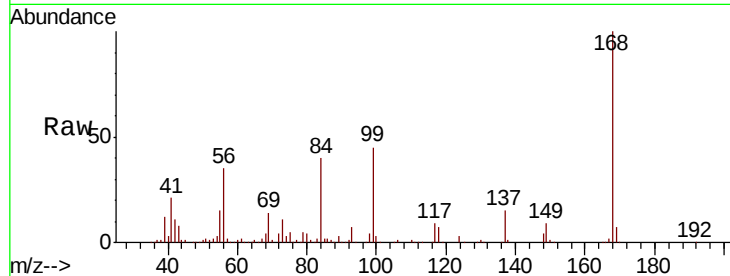
VSTDCCC050

Tot Ion:168 Resp: 1303854

Ion Ratio Lower Upper

168 100

99 45.4 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

300000

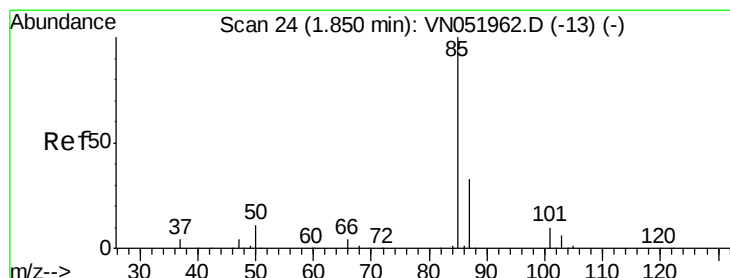
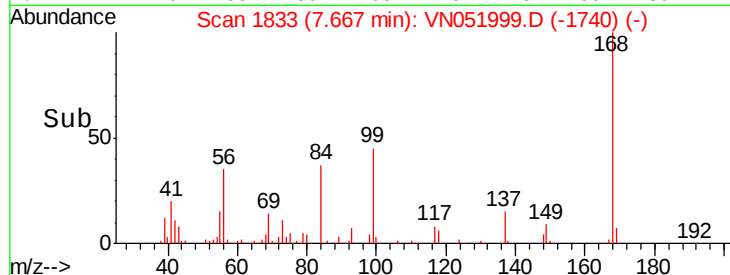
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.401 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051999.D

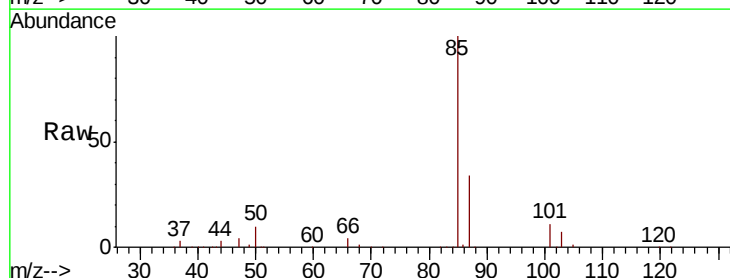
Acq: 25 Oct 2018 8:41

Tgt Ion: 85 Resp: 375655

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

250000

200000

150000

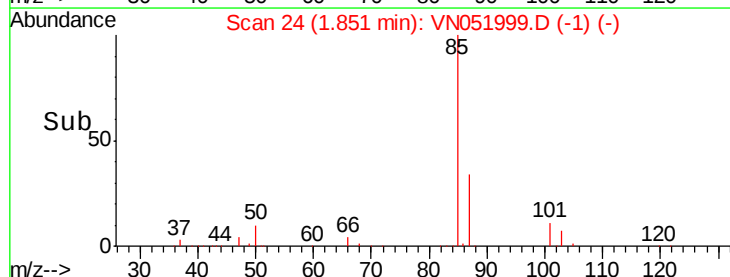
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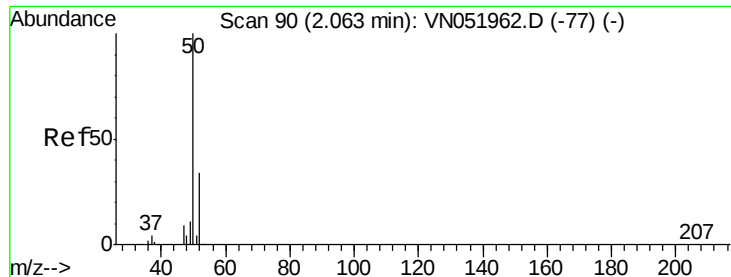
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.290 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

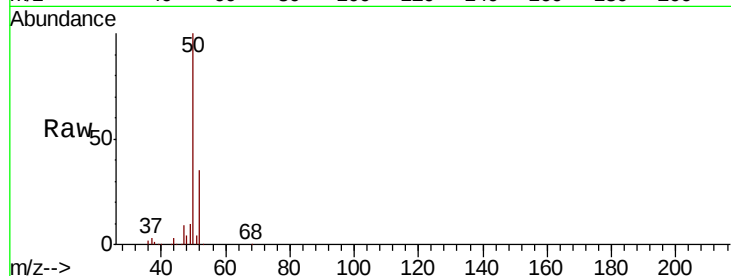
VSTDCCC050

Tot Ion: 50 Resp: 329961

Ion Ratio Lower Upper

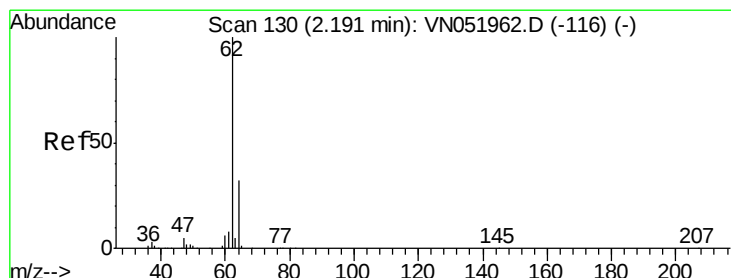
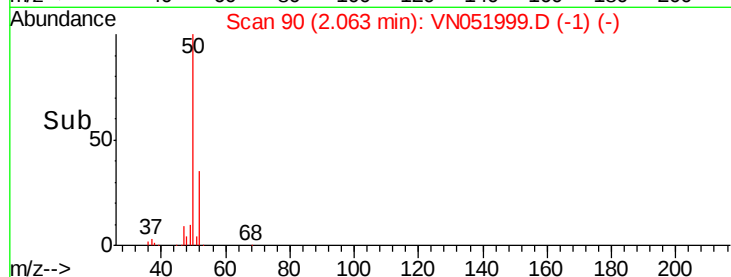
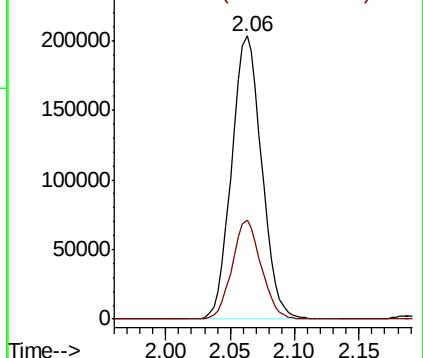
50 100

52 34.9 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 42.408 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN051999.D

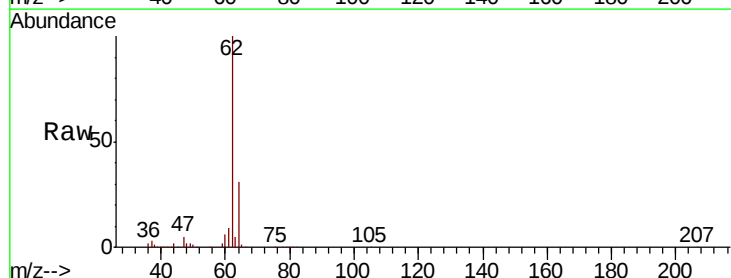
Acq: 25 Oct 2018 8:41

Tgt Ion: 62 Resp: 423490

Ion Ratio Lower Upper

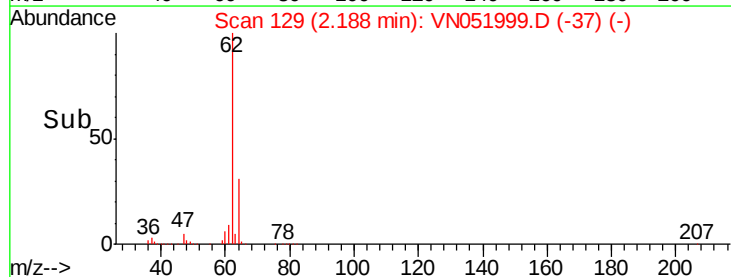
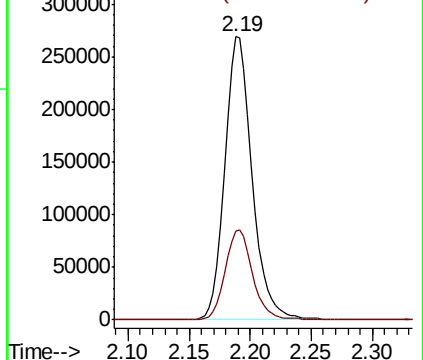
62 100

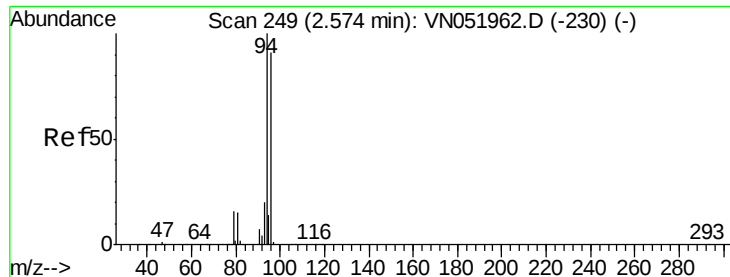
64 31.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.902 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

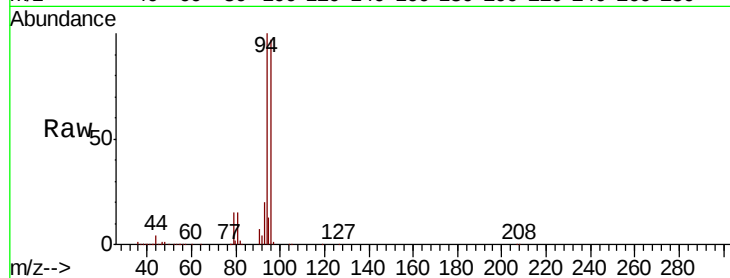
VSTDCCC050

Tot Ion: 94 Resp: 419751

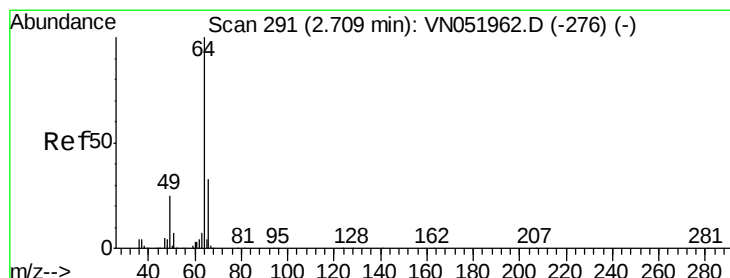
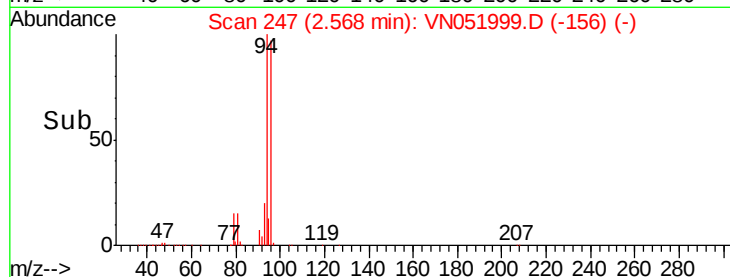
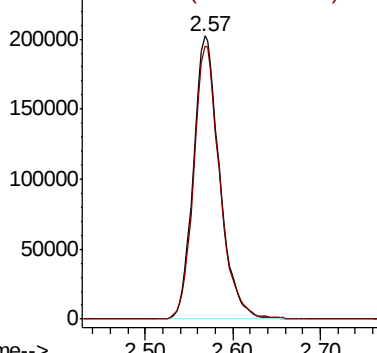
Ion Ratio Lower Upper

94 100

96 96.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VNO  
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 40.673 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051999.D

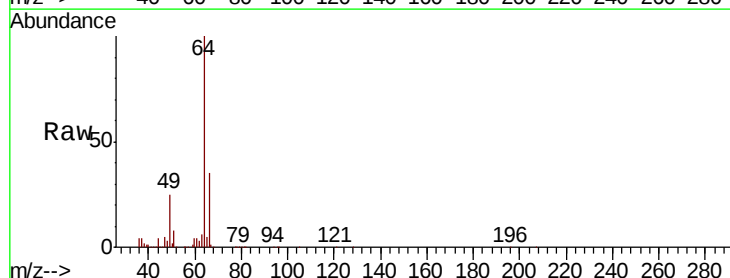
Acq: 25 Oct 2018 8:41

Tgt Ion: 64 Resp: 301538

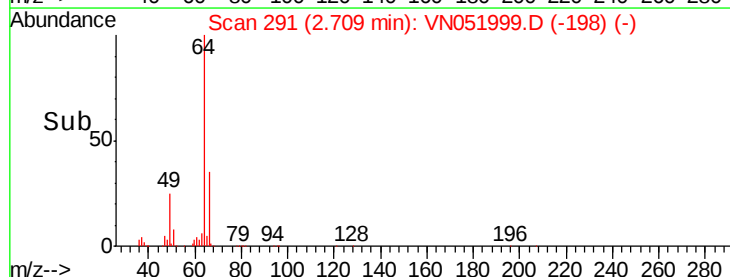
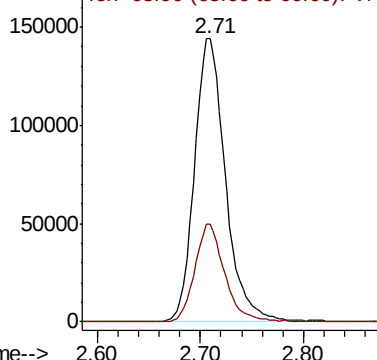
Ion Ratio Lower Upper

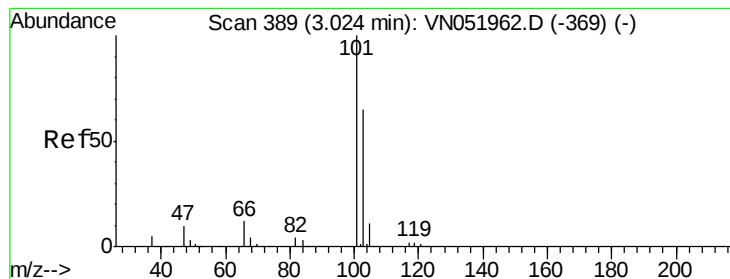
64 100

66 34.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO  
Ion 65.90 (65.60 to 66.60): VNO



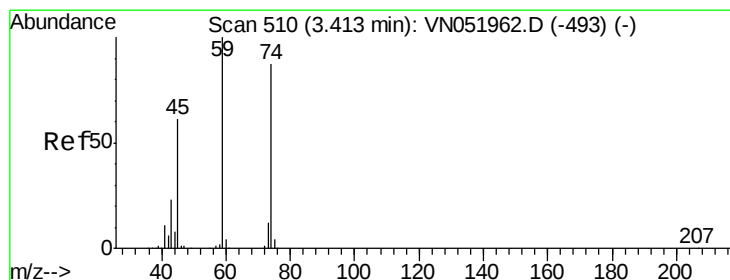
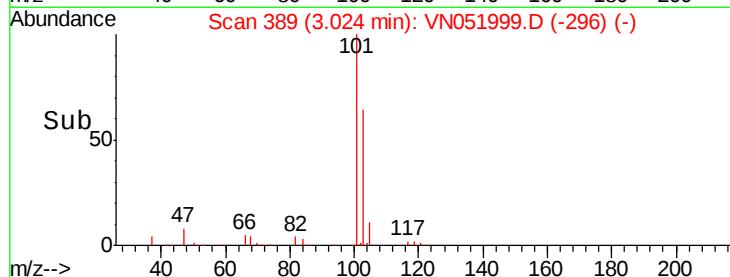
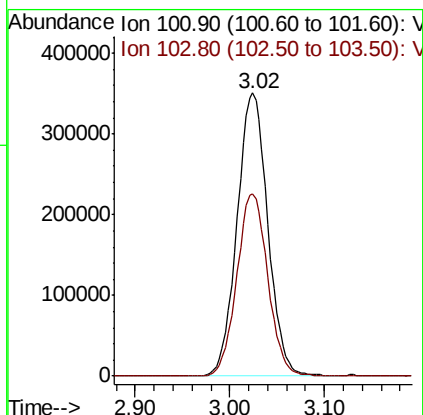
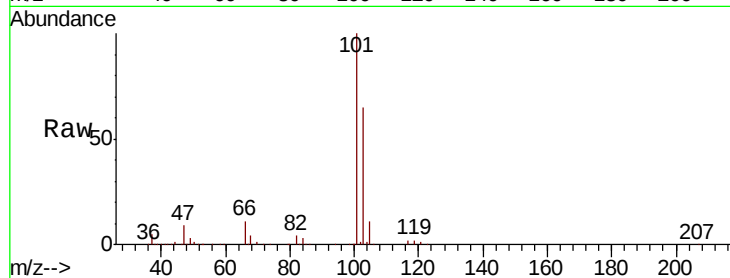


#7

Trichlorofluoromethane  
 Concen: 44.511 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

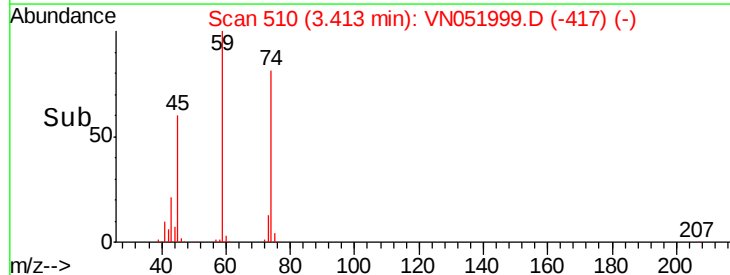
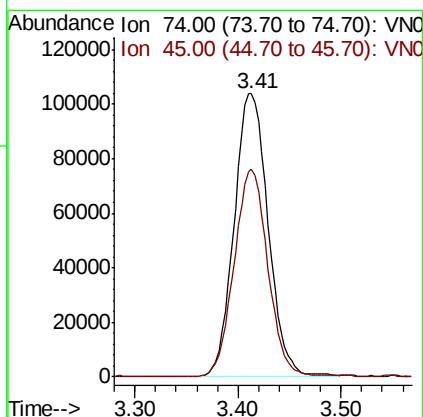
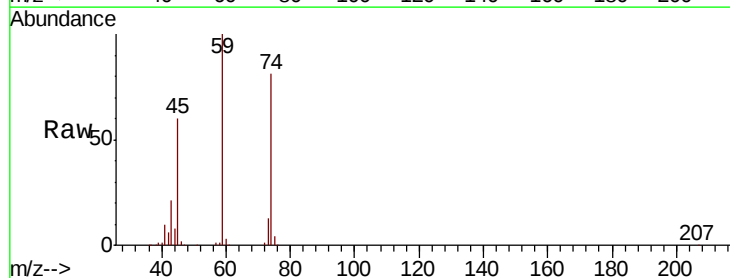
Tot Ion:101 Resp: 792005  
 Ion Ratio Lower Upper  
 101 100  
 103 64.5 52.0 78.0

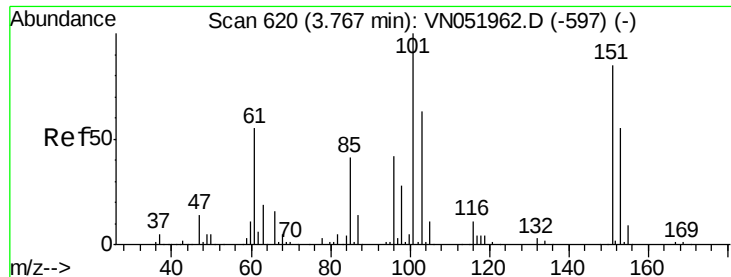


#8

Diethyl Ether  
 Concen: 45.142 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Tgt Ion: 74 Resp: 238810  
 Ion Ratio Lower Upper  
 74 100  
 45 72.1 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.661 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

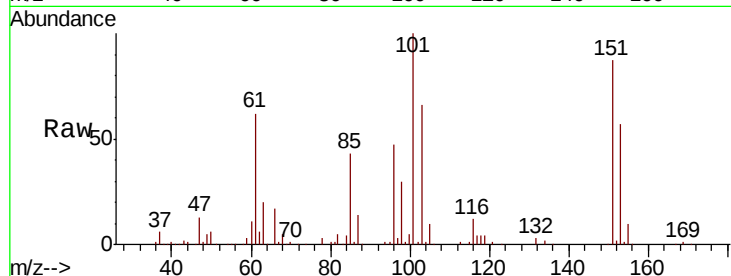
Tot Ion:101 Resp: 497355

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.4

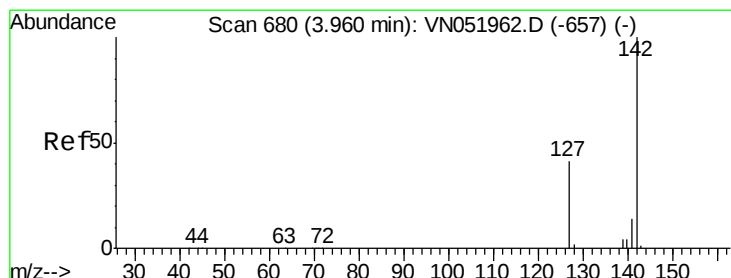
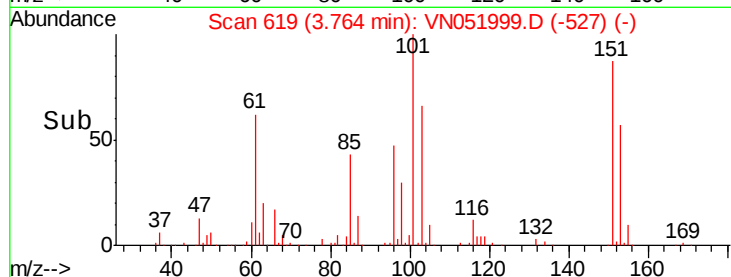
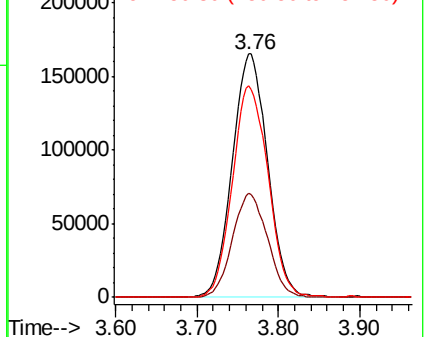
151 87.7 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.039 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

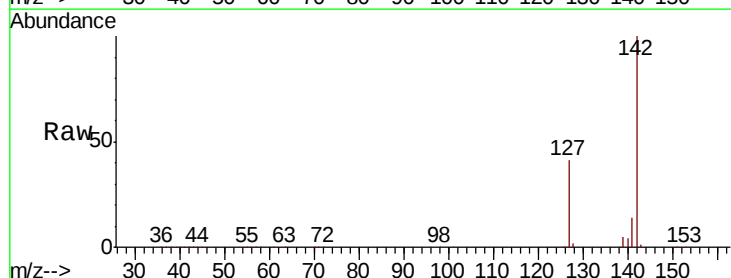
Tgt Ion:142 Resp: 773355

Ion Ratio Lower Upper

142 100

127 41.4 34.3 51.5

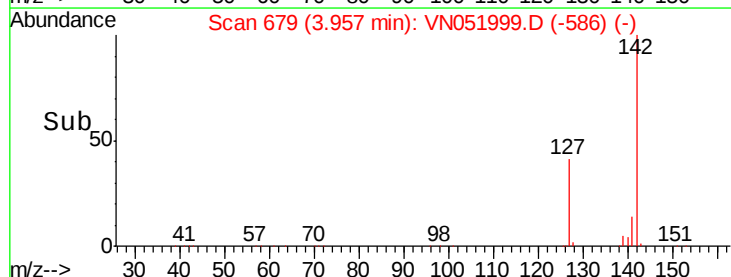
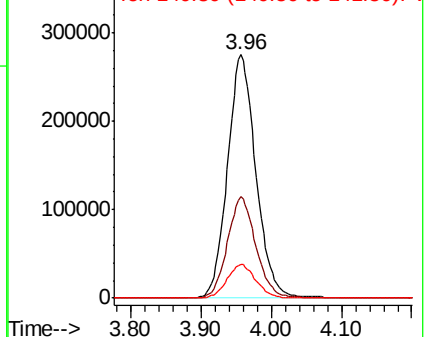
141 14.0 11.4 17.0

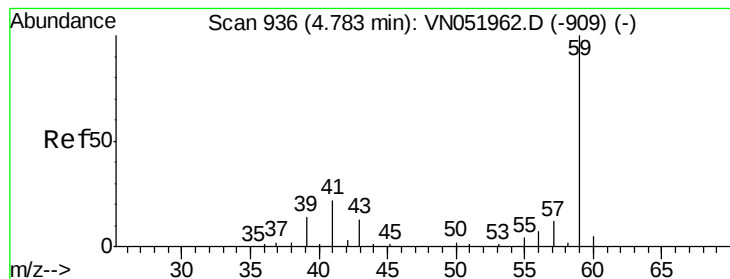


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



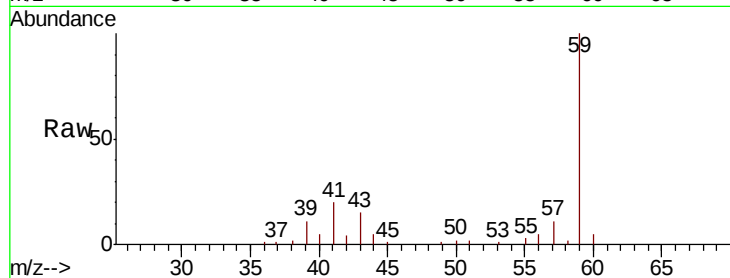


#11

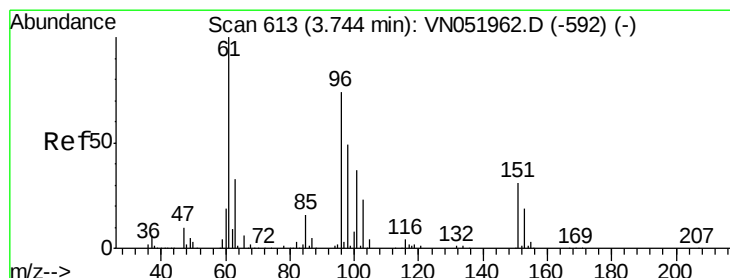
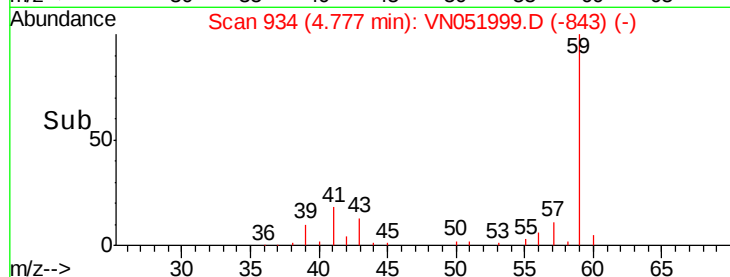
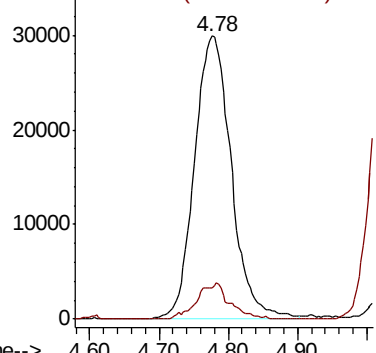
Tert butyl alcohol  
 Concen: 184.252 ug/l  
 RT: 4.78 min Scan# 934  
 Delta R.T. -0.01 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 59 Resp: 110730  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.2 12.4#



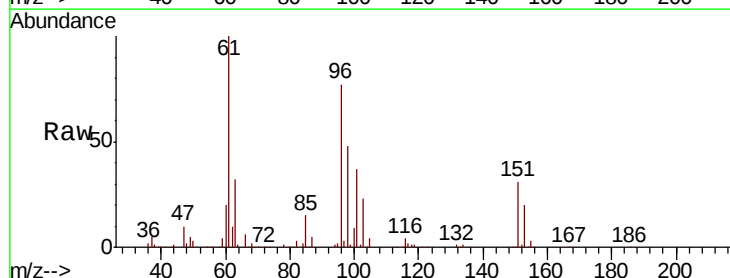
Abundance Ion 59.00 (58.70 to 59.70): VN0  
 Ion 57.00 (56.70 to 57.70): VN0



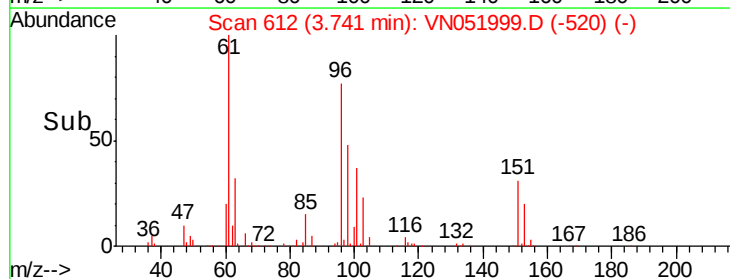
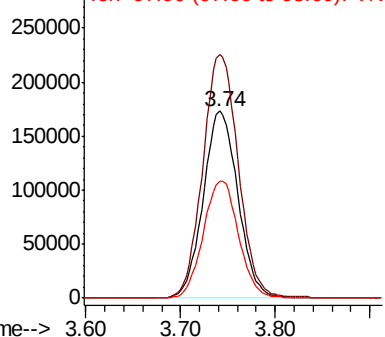
#12

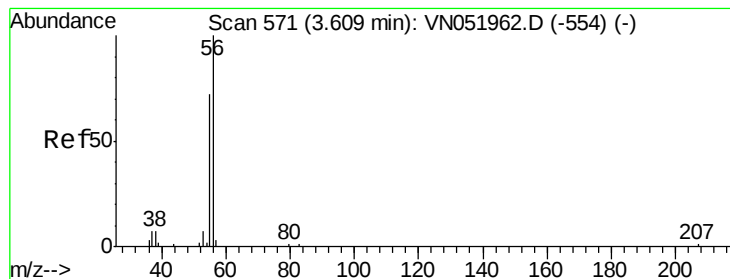
1,1-Dichloroethene  
 Concen: 46.330 ug/l  
 RT: 3.74 min Scan# 612  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Tgt Ion: 96 Resp: 442249  
 Ion Ratio Lower Upper  
 96 100  
 61 130.1 107.8 161.8  
 98 62.2 52.7 79.1



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





#13

Acrolein

Concen: 244.880 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

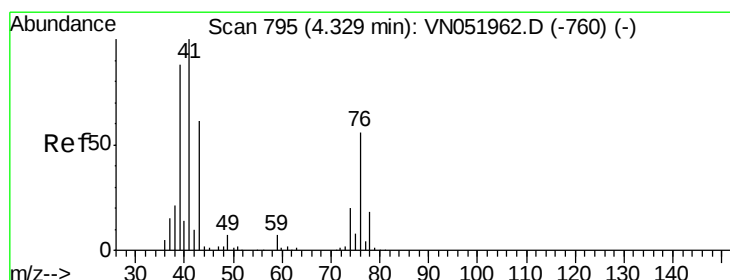
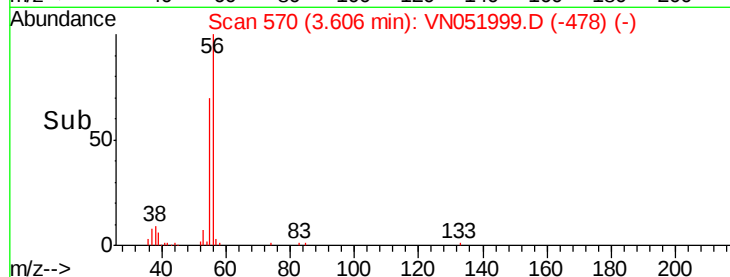
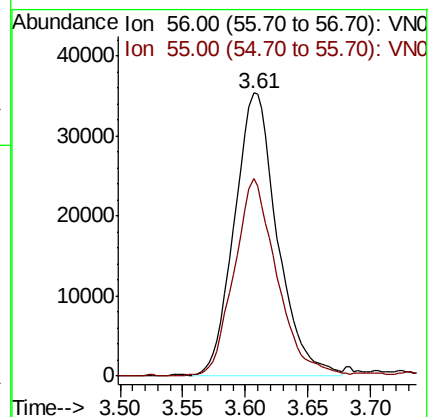
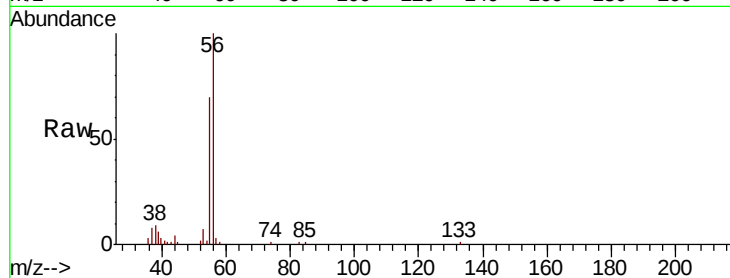
VSTDCCC050

Tot Ion: 56 Resp: 84398

Ion Ratio Lower Upper

56 100

55 69.4 56.6 84.8



#14

Allyl chloride

Concen: 45.860 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

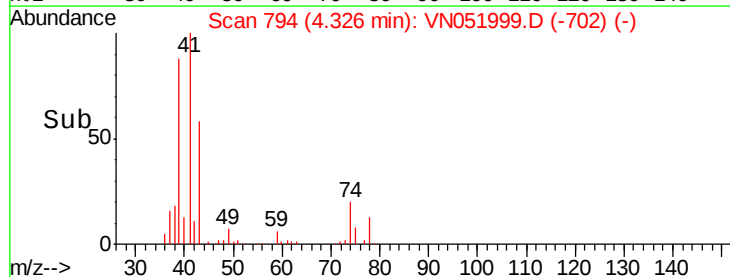
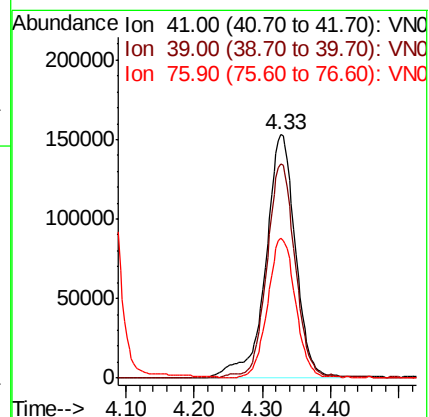
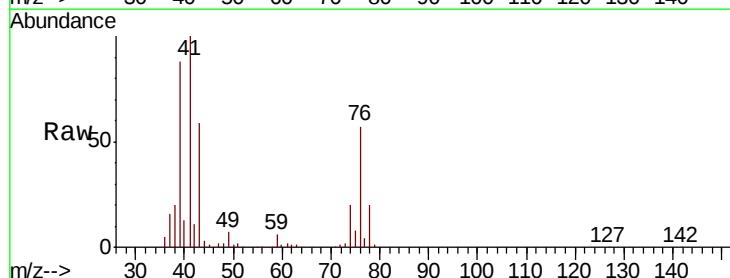
Tgt Ion: 41 Resp: 463228

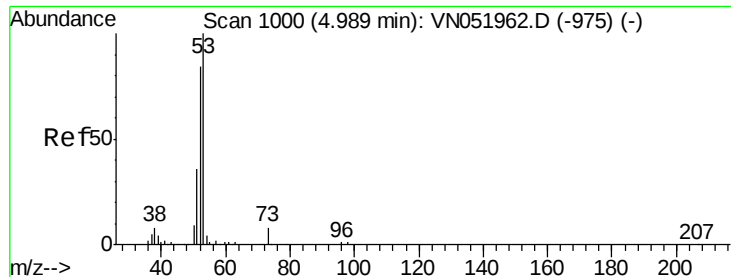
Ion Ratio Lower Upper

41 100

39 83.1 67.7 101.5

76 52.9 41.3 61.9





#15

Acrylonitrile

Concen: 227.253 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

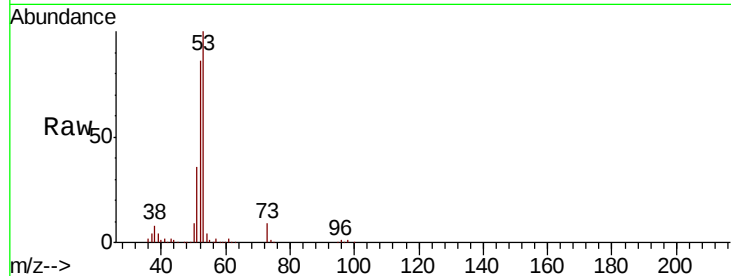
Tot Ion: 53 Resp: 576524

Ion Ratio Lower Upper

53 100

52 84.8 67.0 100.4

51 38.1 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN051962.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN051962.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN051962.D (-975) (-)

4.99

150000

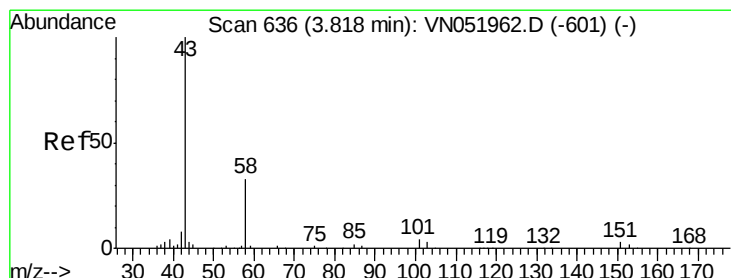
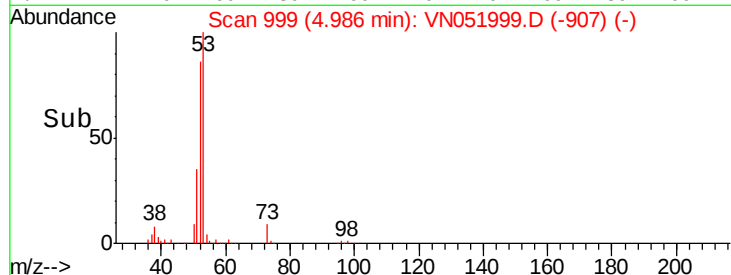
100000

50000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 208.886 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051999.D

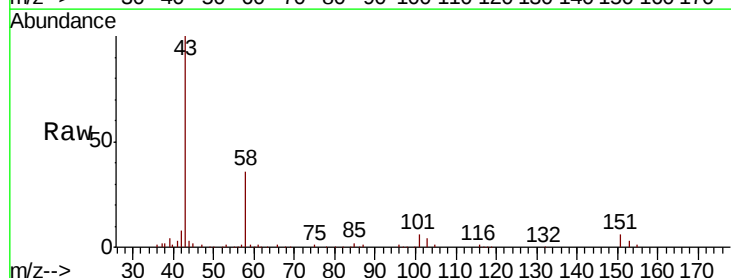
Acq: 25 Oct 2018 8:41

Tgt Ion: 43 Resp: 399645

Ion Ratio Lower Upper

43 100

58 35.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)

3.82

150000

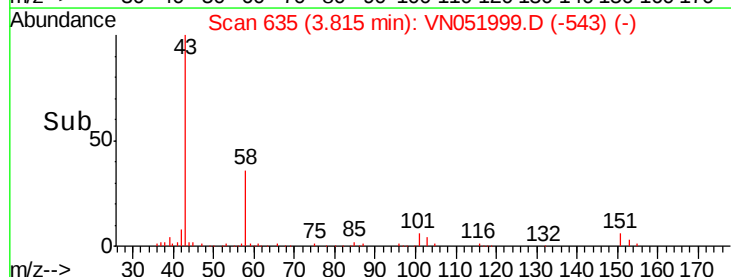
100000

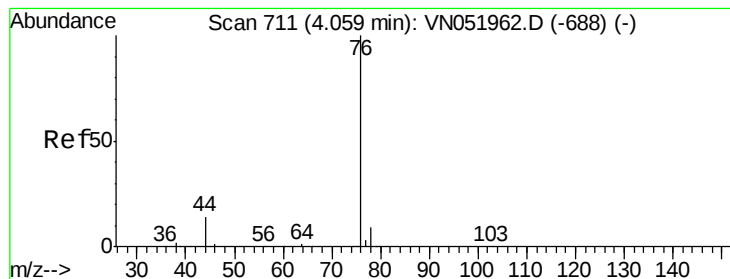
50000

0

3.70 3.80 3.90

Time-->





#17

Carbon Disulfide

Concen: 47.166 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

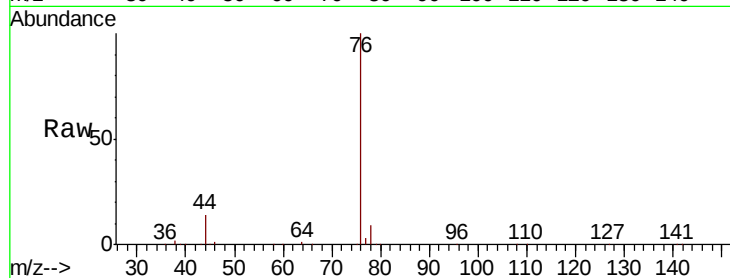
VSTDCCC050

Tot Ion: 76 Resp: 1070227

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

400000

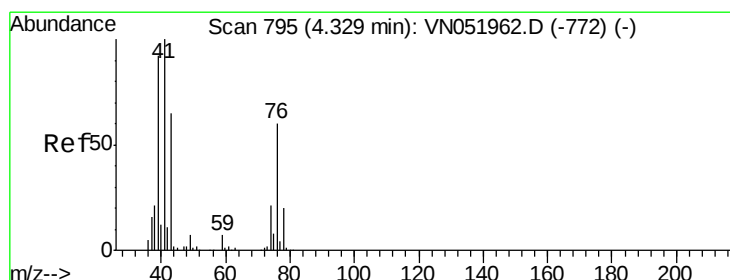
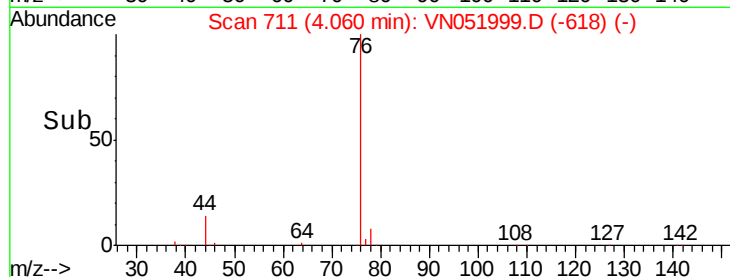
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 45.102 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN051999.D

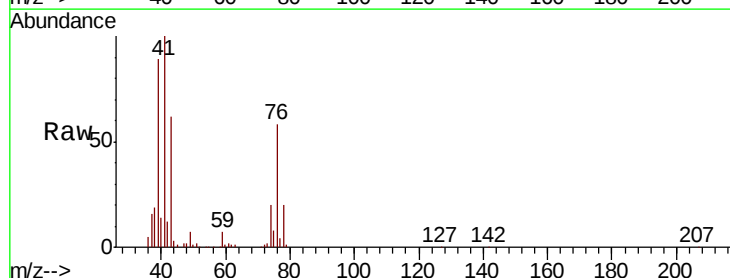
Acq: 25 Oct 2018 8:41

Tgt Ion: 43 Resp: 263392

Ion Ratio Lower Upper

43 100

74 33.0 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

100000

80000

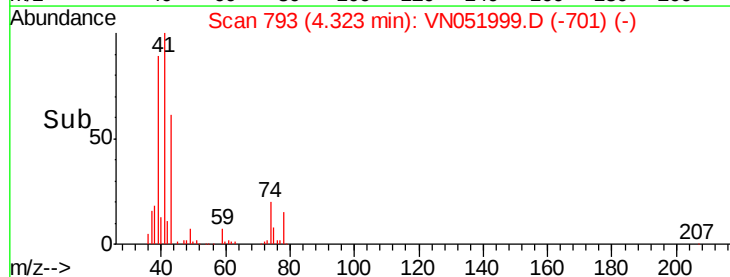
60000

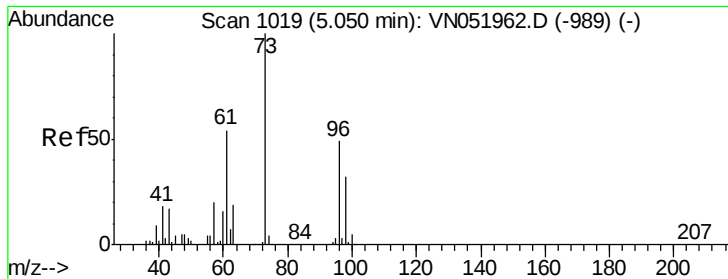
40000

20000

0

Time--> 4.20 4.30 4.40

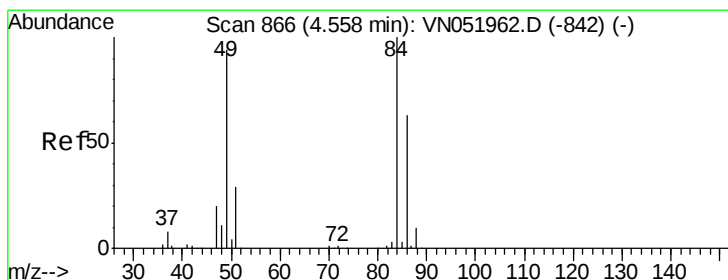
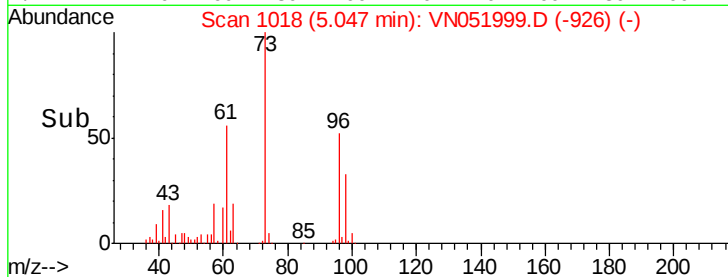
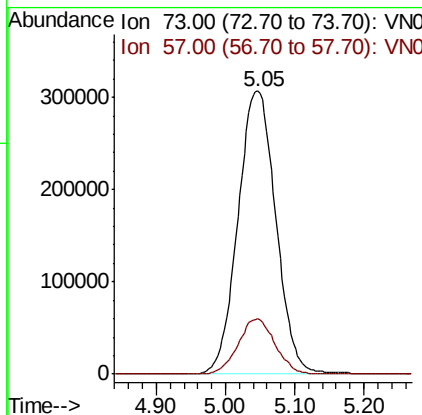
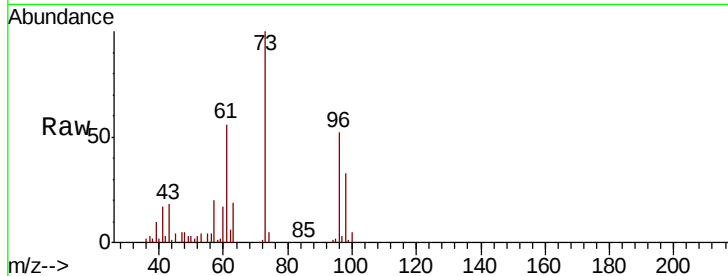




#19  
Methvl tert-butvl Ether  
Concen: 45.469 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

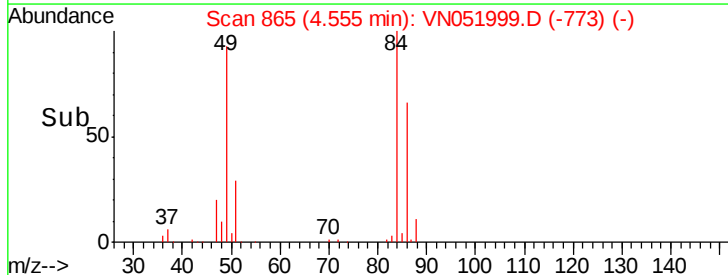
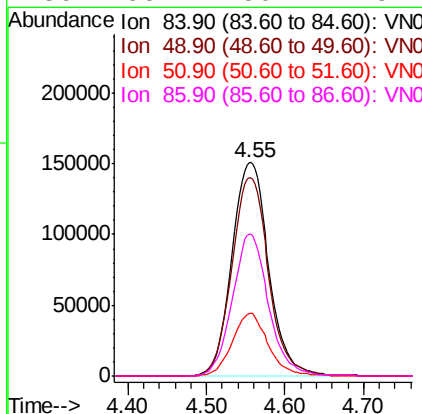
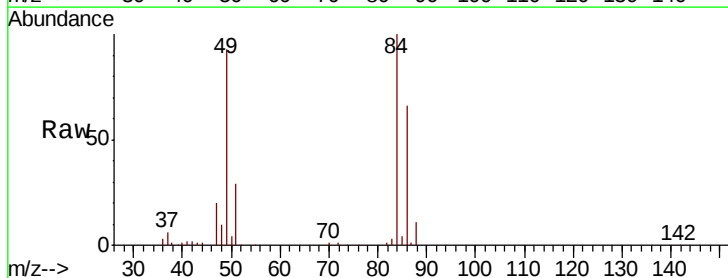
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

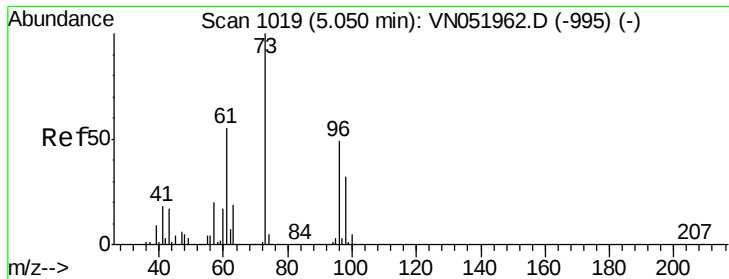
Tot Ion: 73 Resp: 1165296  
Ion Ratio Lower Upper  
73 100  
57 19.5 15.9 23.9



#20  
Methylene Chloride  
Concen: 44.008 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion: 84 Resp: 493928  
Ion Ratio Lower Upper  
84 100  
49 92.9 75.4 113.0  
51 29.3 23.1 34.7  
86 66.4 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 47.231 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

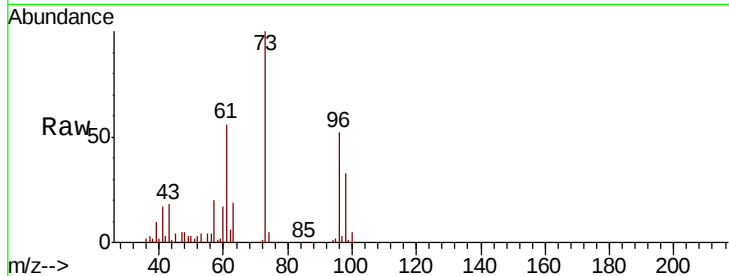
Tot Ion: 96 Resp: 510598

Ion Ratio Lower Upper

96 100

61 108.4 89.0 133.4

98 64.5 51.8 77.8

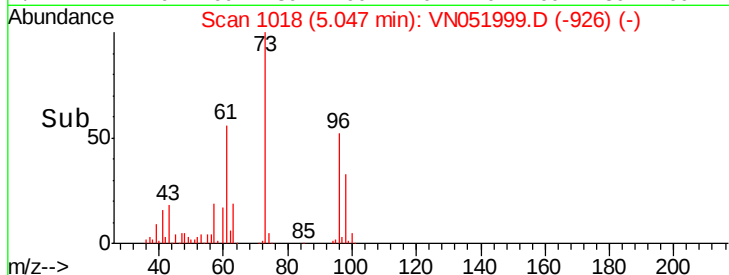


Abundance Ion 95.90 (95.60 to 96.60): VN051962.D (-995) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-995) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-995) (-)

5.05



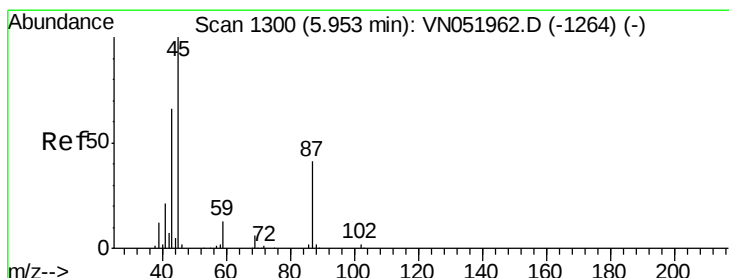
Abundance Ion 95.90 (95.60 to 96.60): VN051999.D (-926) (-)

Ion 60.90 (60.60 to 61.60): VN051999.D (-926) (-)

Ion 97.90 (97.60 to 98.60): VN051999.D (-926) (-)

5.05

Time-->



#22

Diisopropyl ether

Concen: 46.247 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Tgt Ion: 45 Resp: 1068757

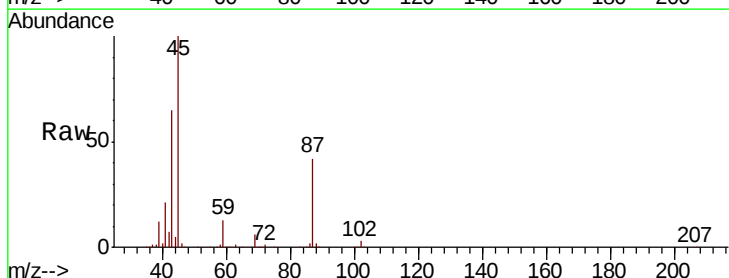
Ion Ratio Lower Upper

45 100

43 63.1 52.9 79.3

87 41.6 33.4 50.0

59 13.1 10.5 15.7



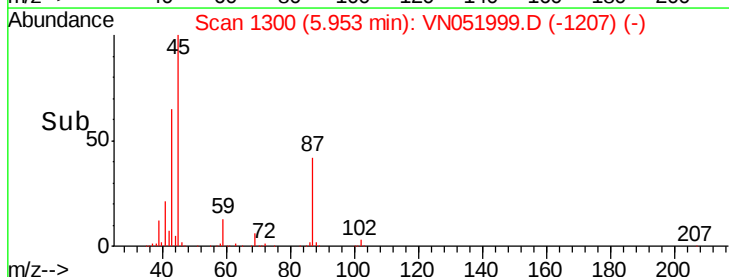
Abundance Ion 45.00 (44.70 to 45.70): VN051962.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN051962.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN051962.D (-1264) (-)

5.95



Abundance Ion 45.00 (44.70 to 45.70): VN051999.D (-1207) (-)

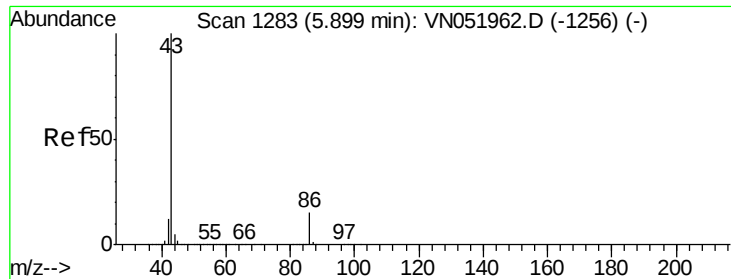
Ion 43.00 (42.70 to 43.70): VN051999.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN051999.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN051999.D (-1207) (-)

5.95

Time-->



#23

Vinyl Acetate

Concen: 234.109 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

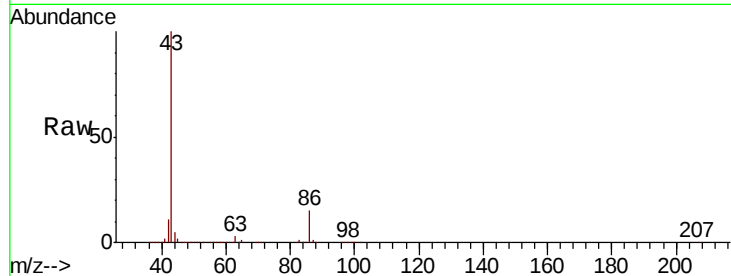
VSTDCCC050

Tot Ion: 43 Resp: 3680348

Ion Ratio Lower Upper

43 100

86 15.3 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051962.D (-1256) (-)

1200000

1000000

800000

600000

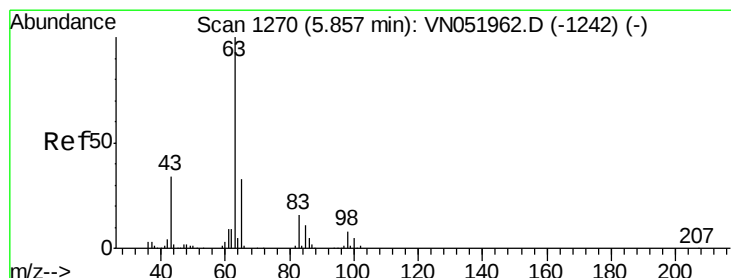
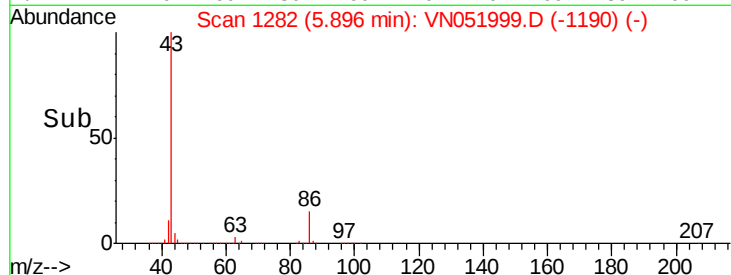
400000

200000

0

5.80 5.90 6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 45.847 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

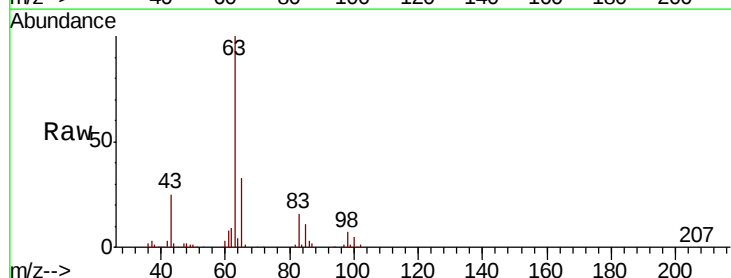
Tgt Ion: 63 Resp: 773522

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 4.9 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051962.D (-1242) (-)

300000

250000

200000

150000

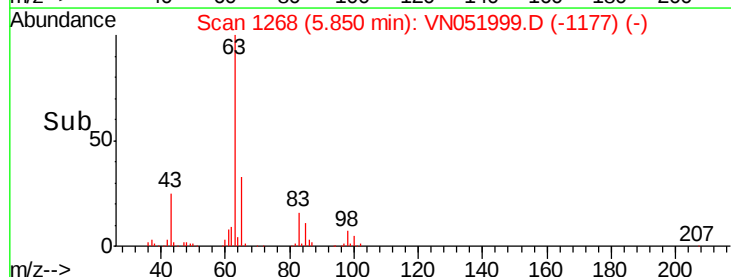
100000

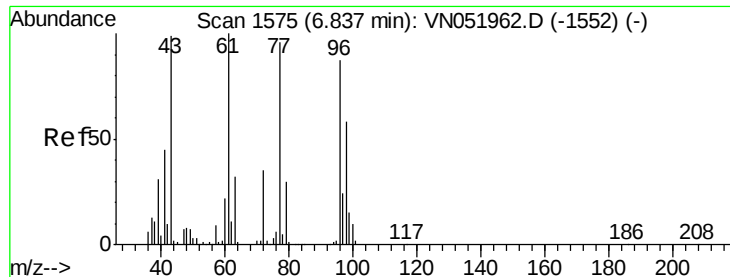
50000

0

5.70 5.80 5.90

Time-->

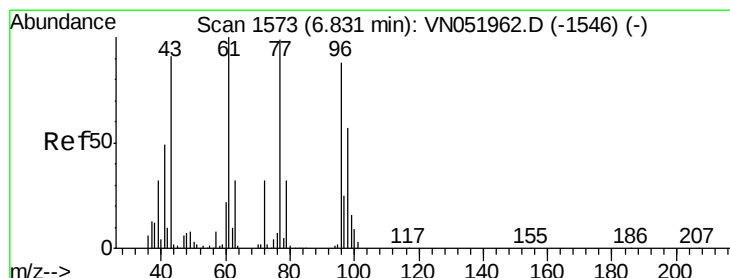
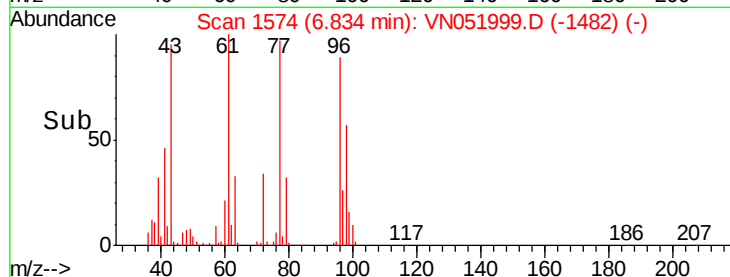
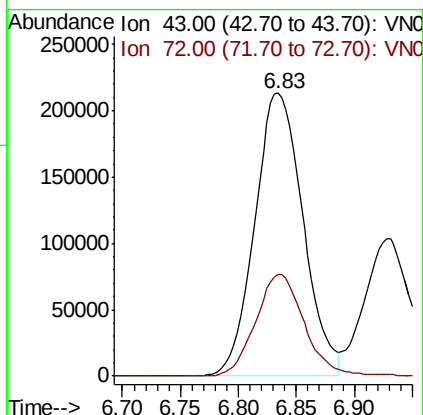
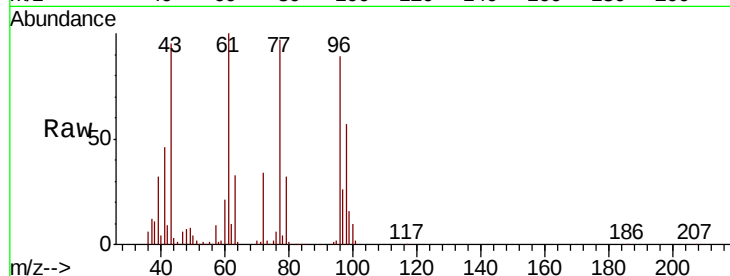




#25  
2-Butanone  
Concen: 225.948 ug/l  
RT: 6.83 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

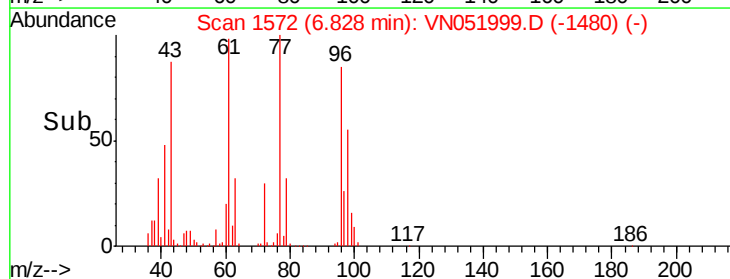
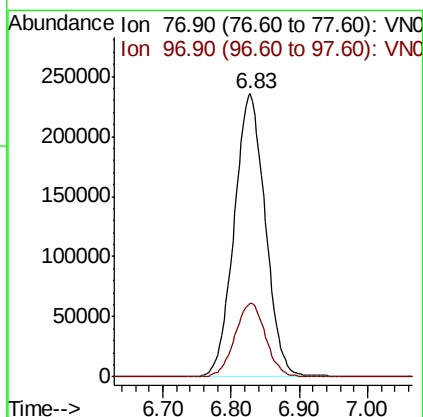
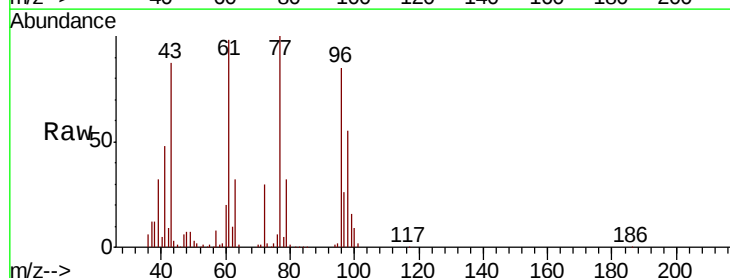
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

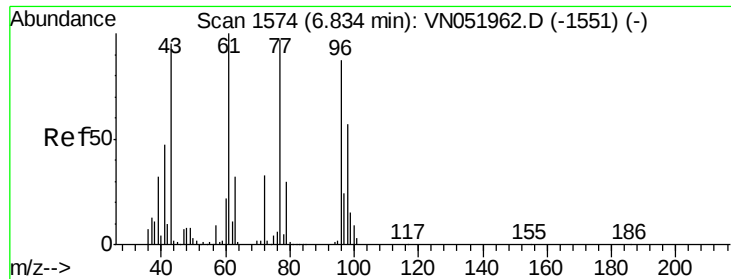
Tot Ion: 43 Resp: 616270  
Ion Ratio Lower Upper  
43 100  
72 36.1 28.5 42.7



#26  
2,2-Dichloropropane  
Concen: 48.359 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion: 77 Resp: 746501  
Ion Ratio Lower Upper  
77 100  
97 25.8 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 47.243 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

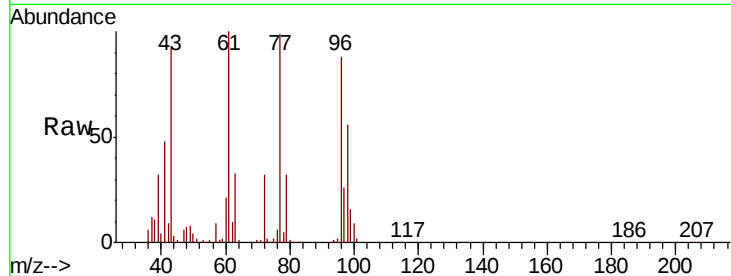
Tot Ion: 96 Resp: 596634

Ion Ratio Lower Upper

96 100

61 114.8 0.0 234.4

98 64.6 0.0 131.6

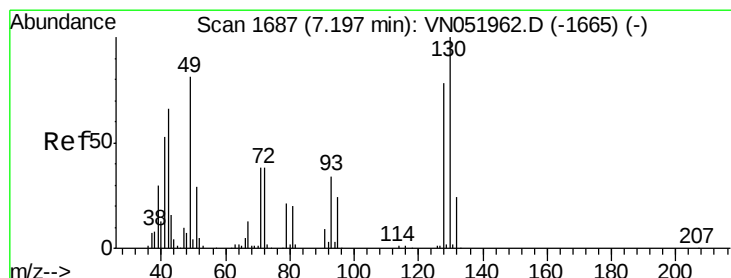
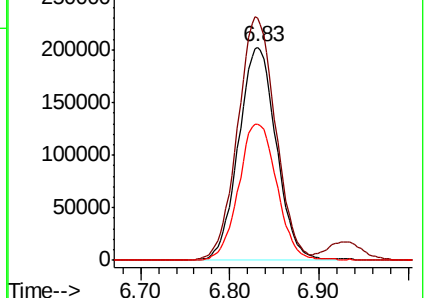
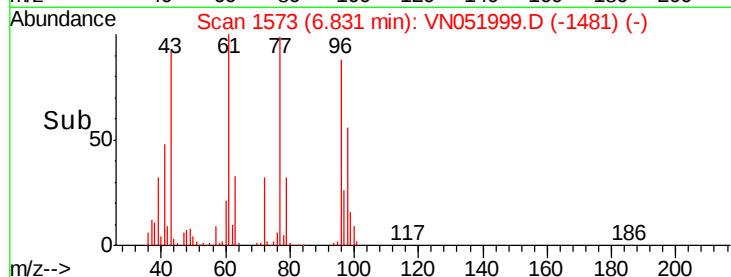


Abundance Ion 95.90 (95.60 to 96.60): VN051962.D (-1551) (-)

Ion 60.90 (60.60 to 61.60): VN051962.D (-1551) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1551) (-)

Time-->



#28

Bromochloromethane

Concen: 46.930 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

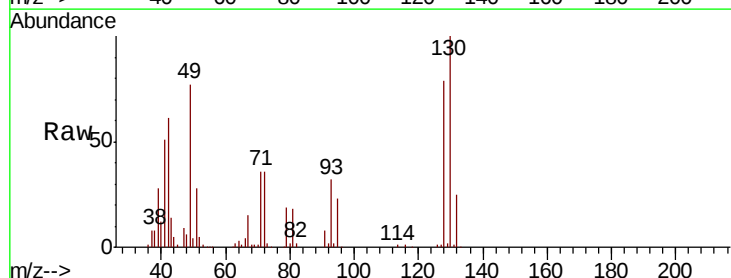
Tgt Ion: 49 Resp: 319119

Ion Ratio Lower Upper

49 100

129 3.2 0.0 5.4

130 129.3 97.0 145.6

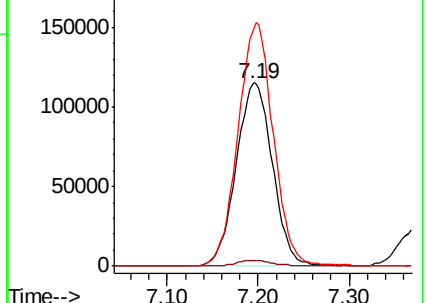
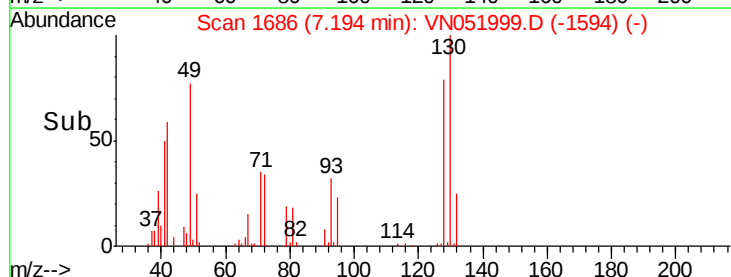


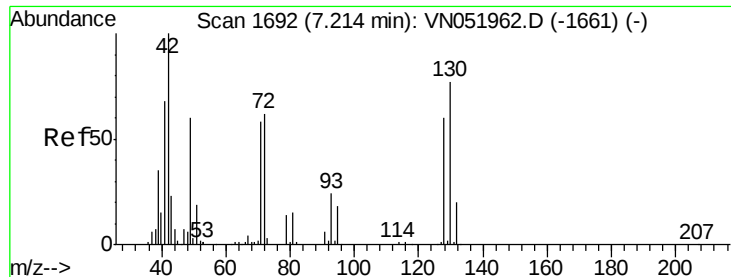
Abundance Ion 48.90 (48.60 to 49.60): VN051962.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051962.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051962.D (-1665) (-)

Time-->

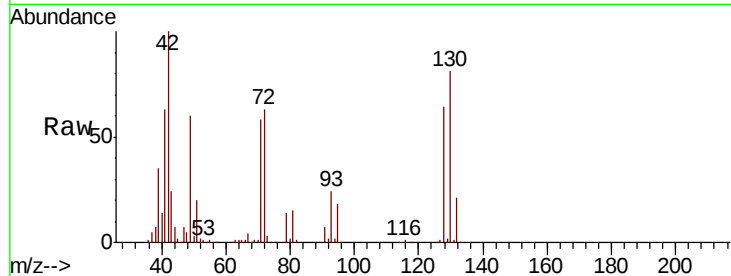




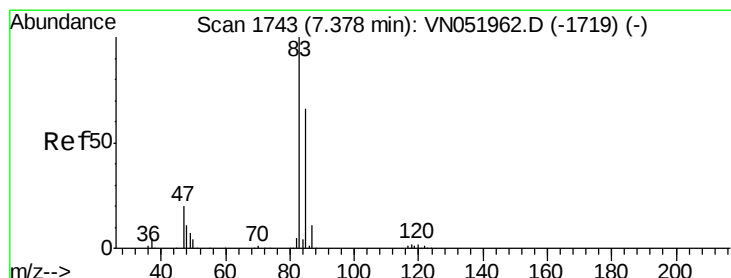
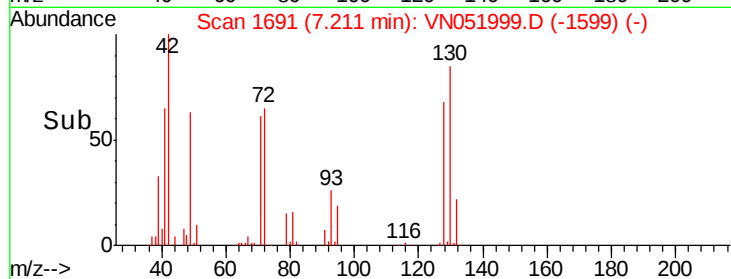
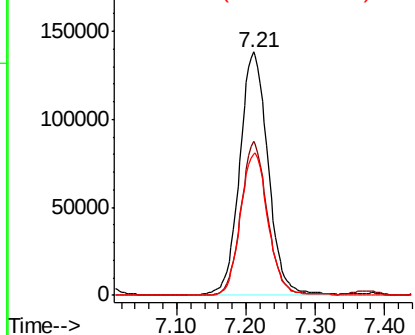
#29  
Tetrahydrofuran  
Concen: 212.313 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 42 Resp: 392343  
Ion Ratio Lower Upper  
42 100  
72 59.8 47.5 71.3  
71 56.9 45.4 68.2

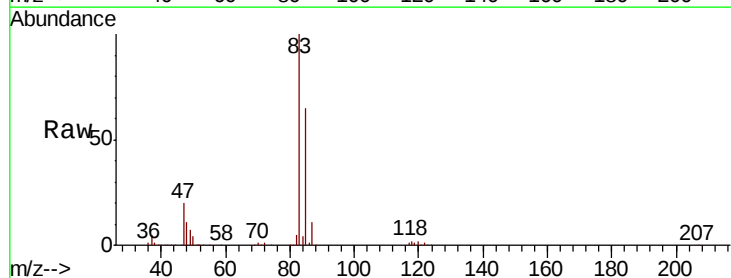


Abundance Ion 42.00 (41.70 to 42.70): VNO  
Ion 72.00 (71.70 to 72.70): VNO  
Ion 71.00 (70.70 to 71.70): VNO

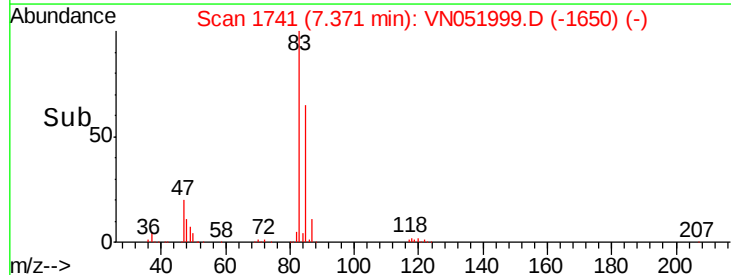
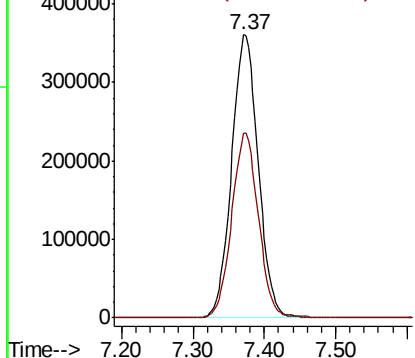


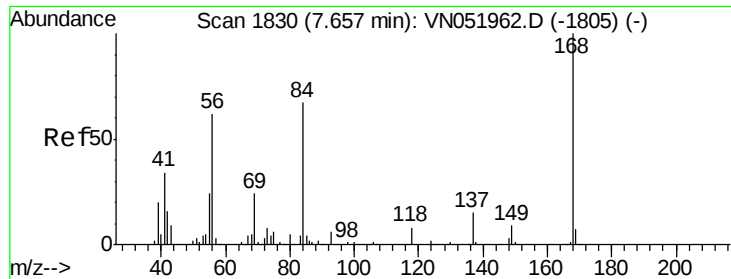
#30  
Chloroform  
Concen: 45.632 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. -0.01 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion: 83 Resp: 940096  
Ion Ratio Lower Upper  
83 100  
85 65.3 52.8 79.2



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

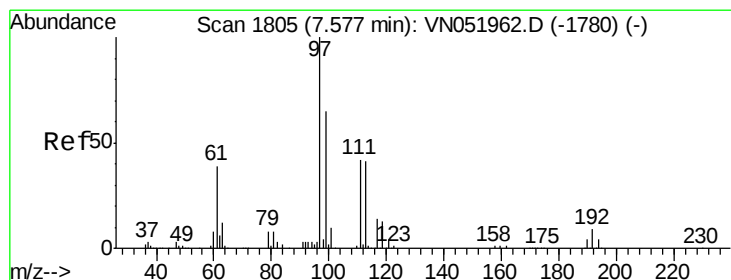
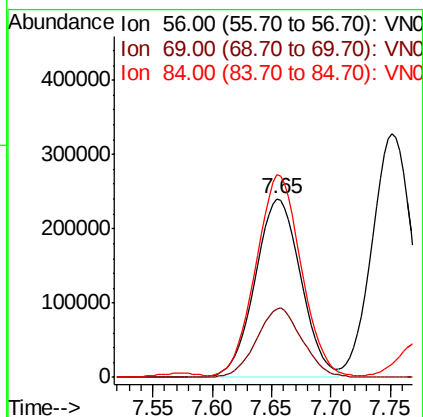
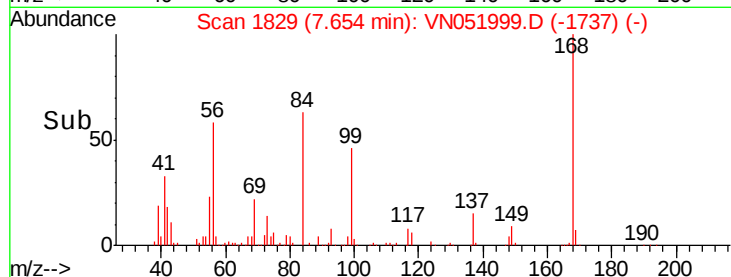
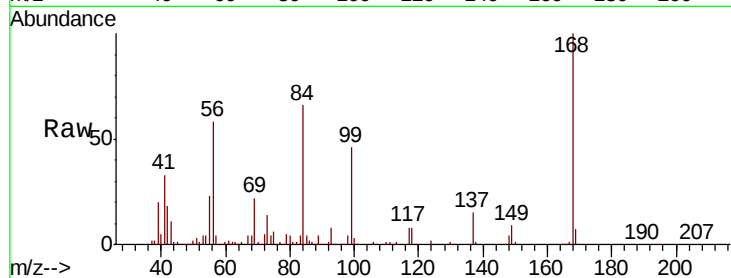




#31  
Cyclohexane  
Concen: 47.078 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

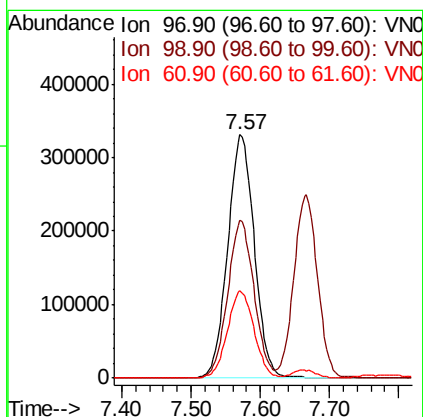
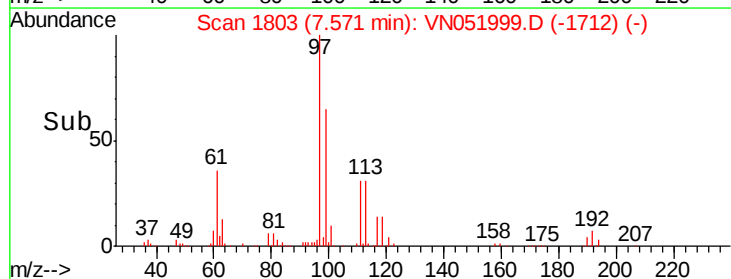
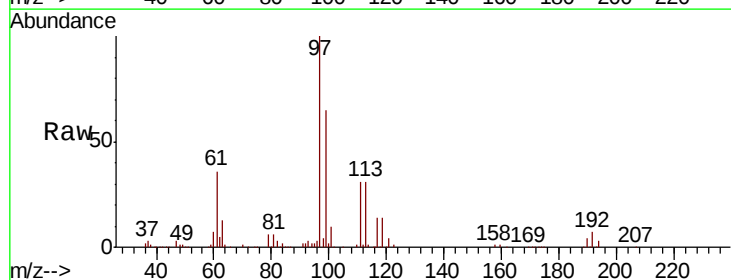
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

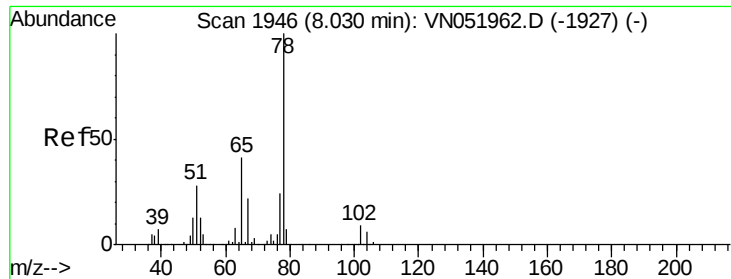
Tot Ion: 56 Resp: 640117  
Ion Ratio Lower Upper  
56 100  
69 38.4 31.2 46.8  
84 111.3 86.3 129.5



#32  
1,1,1-Trichloroethane  
Concen: 47.123 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. -0.01 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion: 97 Resp: 887727  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.5 77.3  
61 35.9 30.1 45.1

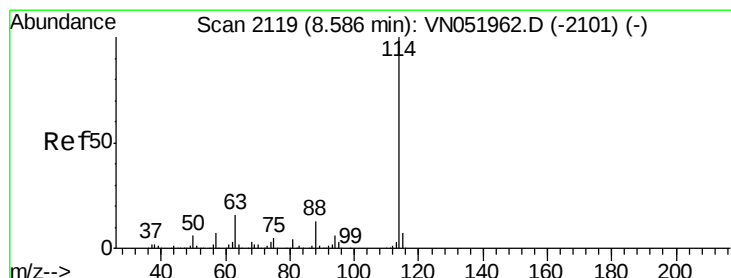
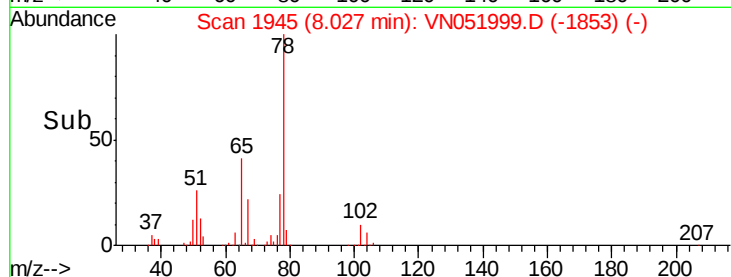
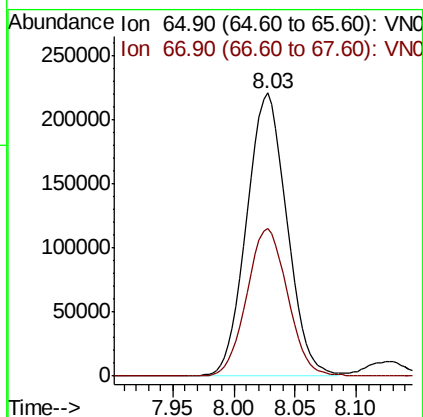
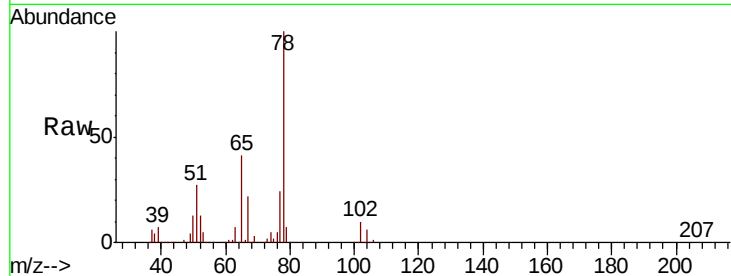




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.123 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

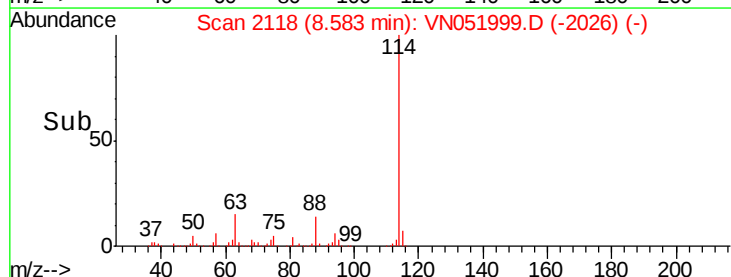
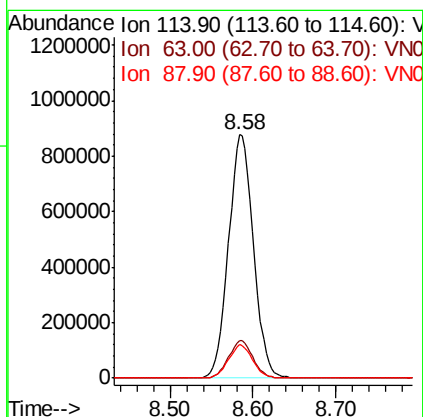
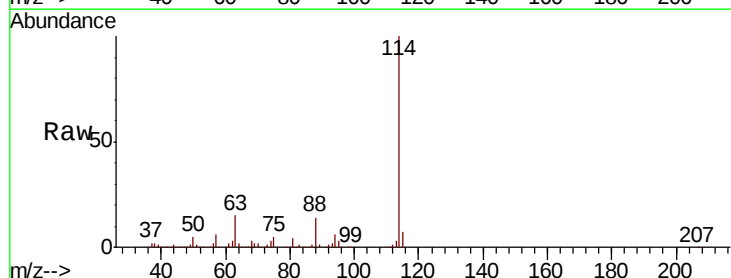
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

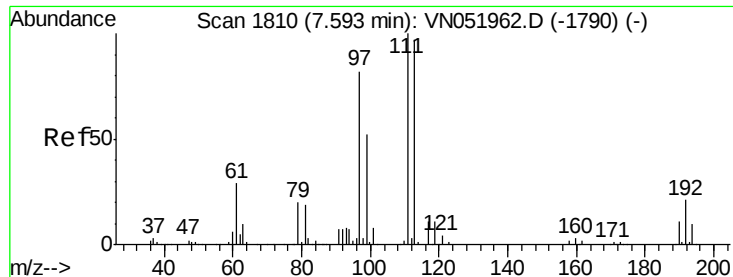
Tot Ion: 65 Resp: 505534  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Tgt Ion: 114 Resp: 1831853  
 Ion Ratio Lower Upper  
 114 100  
 63 15.4 0.0 31.2  
 88 13.7 0.0 27.0

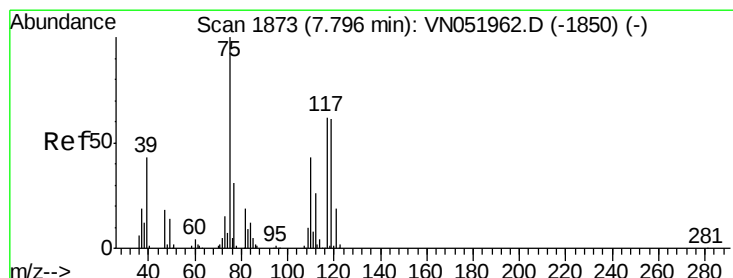
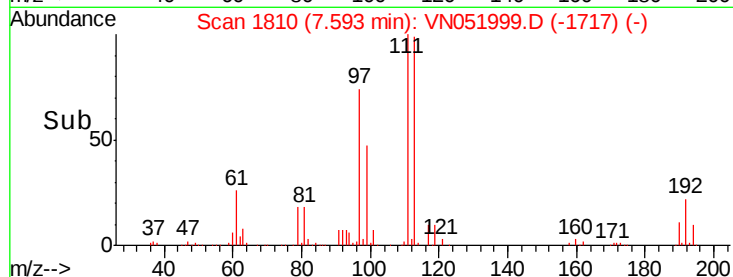
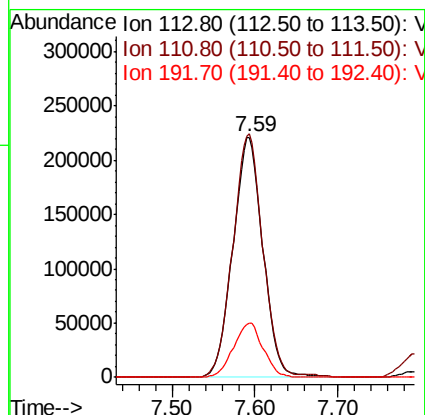
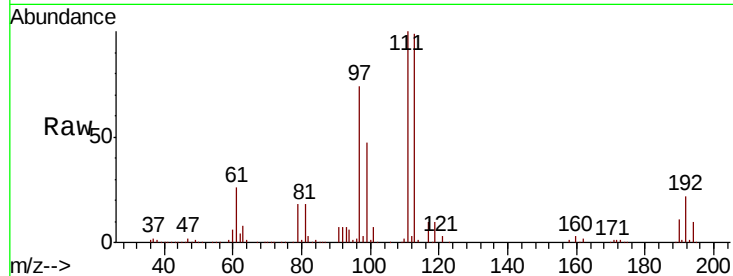




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

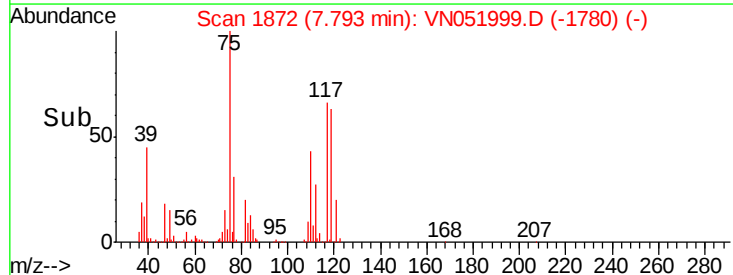
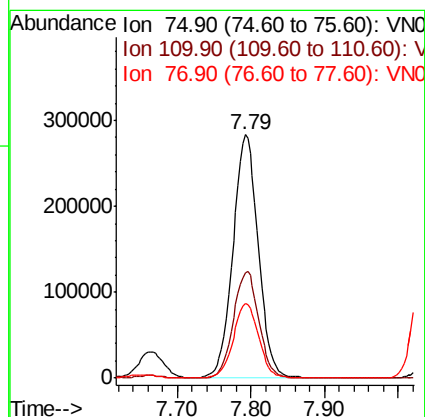
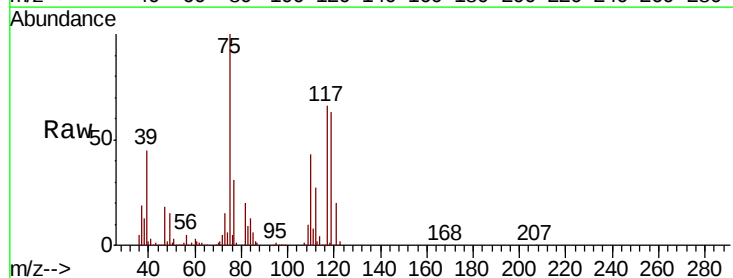
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

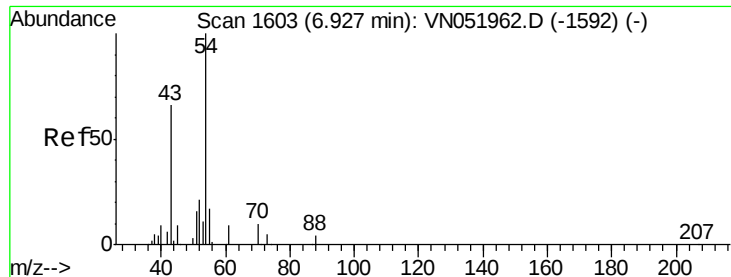
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.4 | 80.7  | 121.1 |
| 192     | 22.4  | 17.2  | 25.8  |



#36  
 1,1-Dichloropropene  
 Concen: 48.089 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 44.0  | 20.9  | 62.8  |
| 77      | 31.0  | 24.9  | 37.3  |

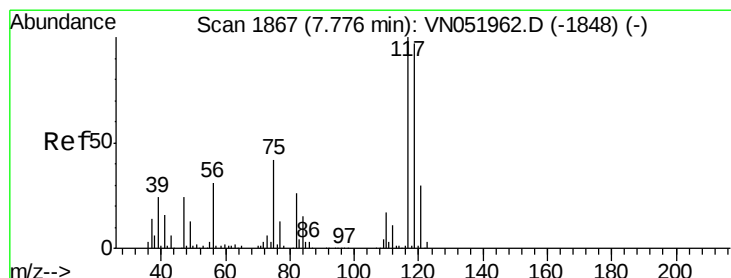
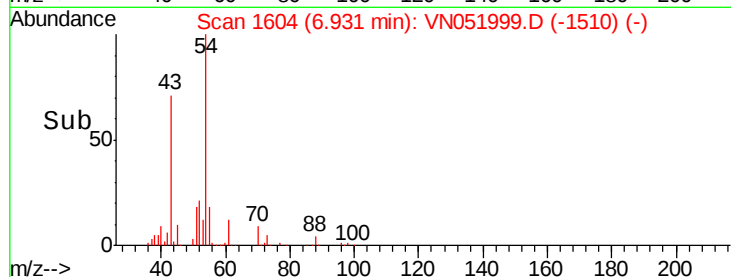
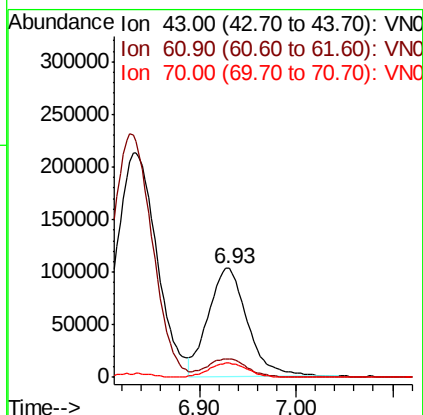
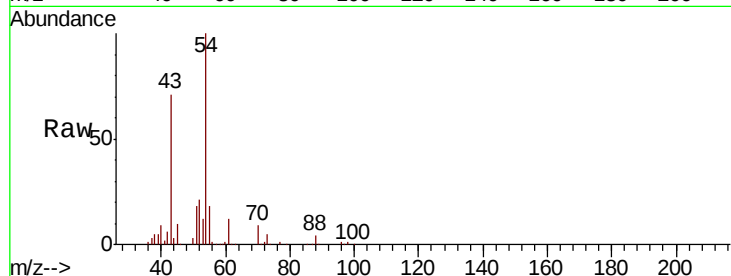




#37  
Ethyl Acetate  
Concen: 45.973 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

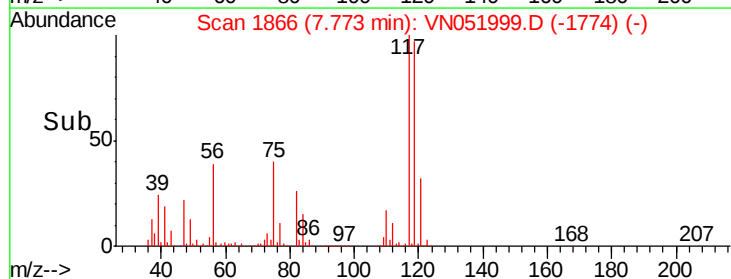
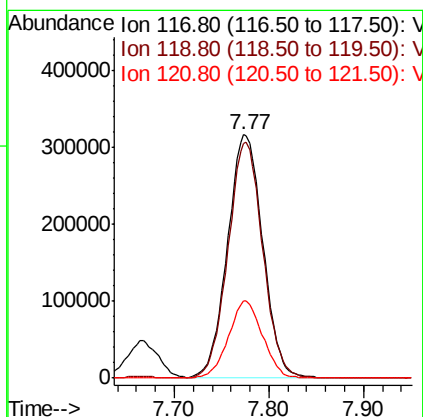
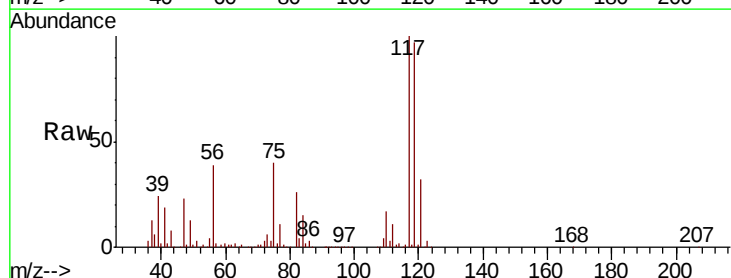
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

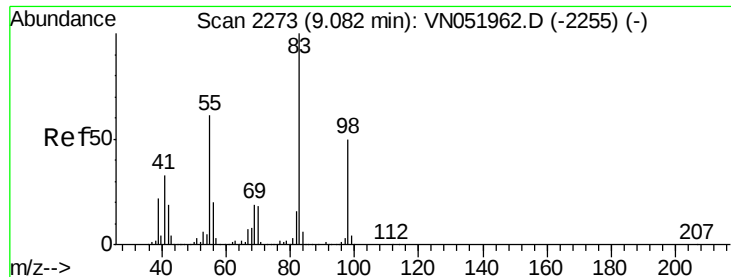
| Tot Ion   | 43   | Resp  | 289605 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 61        | 17.2 | 13.5  | 20.3   |
| 70        | 12.5 | 9.8   | 14.6   |



#38  
Carbon Tetrachloride  
Concen: 50.696 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

| Tgt Ion   | 117  | Resp  | 817819 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 119       | 96.5 | 77.4  | 116.0  |
| 121       | 31.5 | 24.2  | 36.4   |

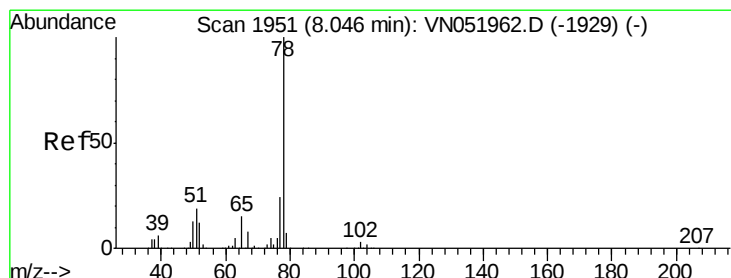
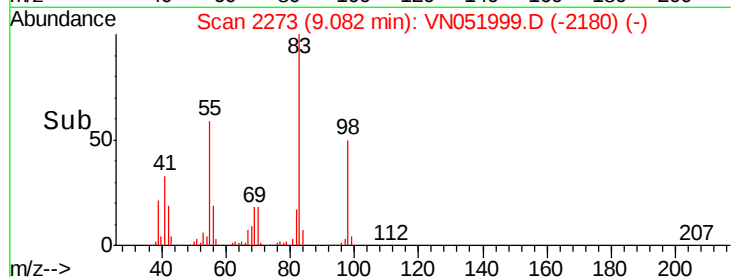
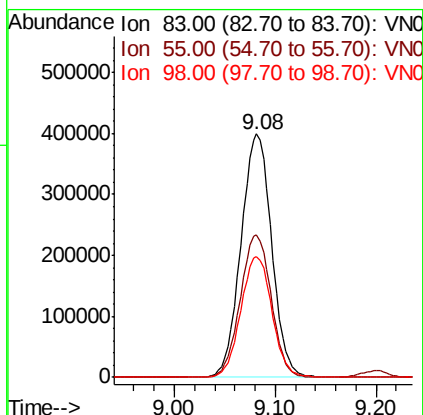
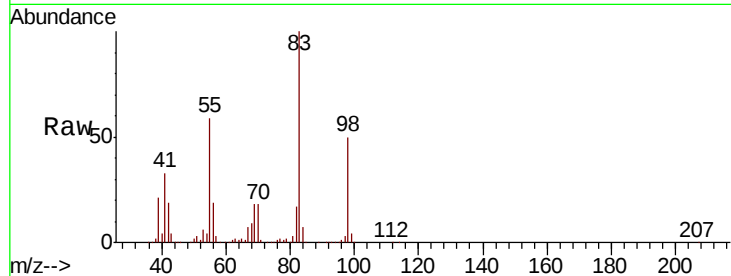




#39  
Methvlcvclohexane  
Concen: 48.931 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

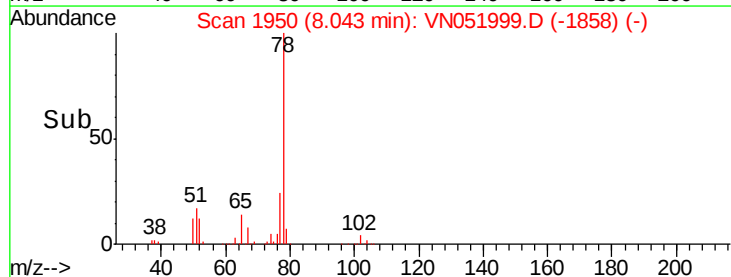
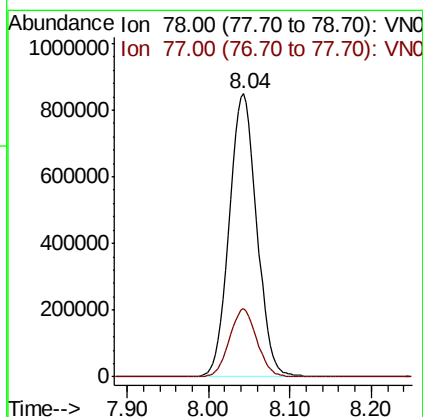
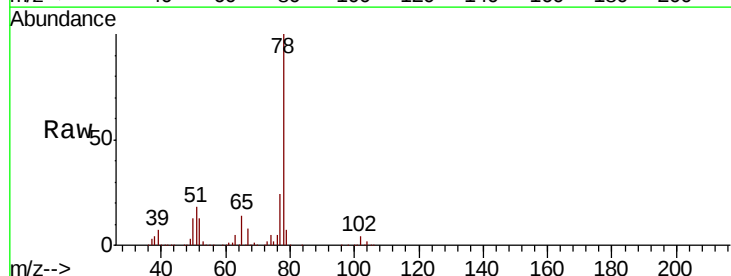
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

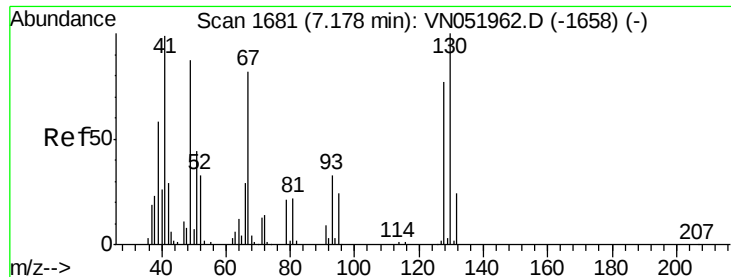
Tot Ion: 83 Resp: 839793  
Ion Ratio Lower Upper  
83 100  
55 58.6 48.9 73.3  
98 49.7 40.2 60.2



#40  
Benzene  
Concen: 48.181 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion: 78 Resp: 2010220  
Ion Ratio Lower Upper  
78 100  
77 24.1 19.4 29.0





#41

Methacrylonitrile

Concen: 50.385 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 159098

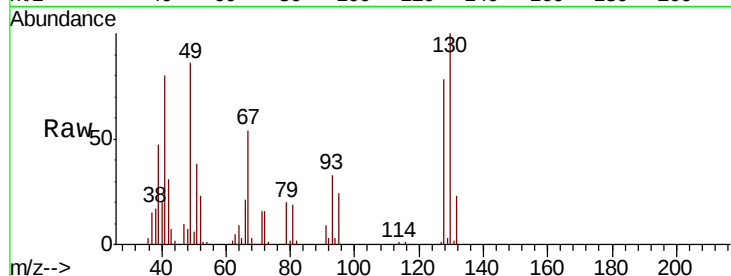
Ion Ratio Lower Upper

41 100

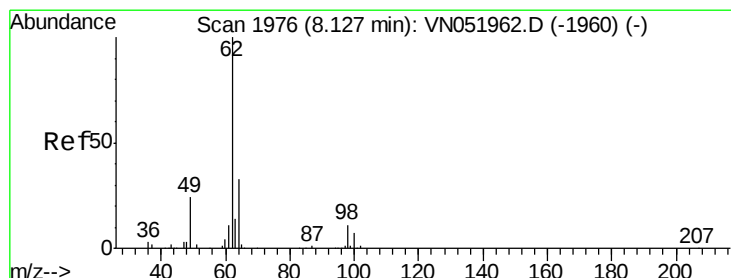
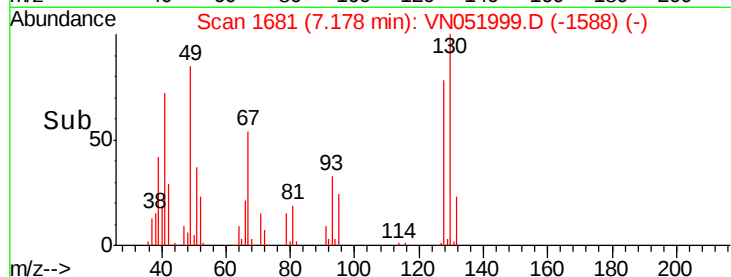
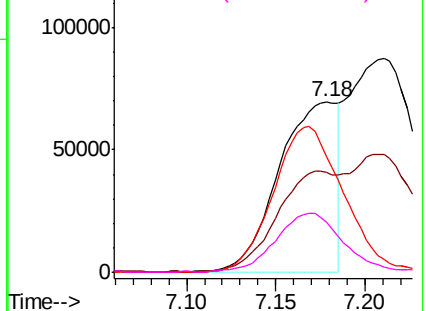
39 59.7 53.1 79.7

67 103.3 93.8 140.6

52 39.6 35.2 52.8



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: 46.253 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051999.D

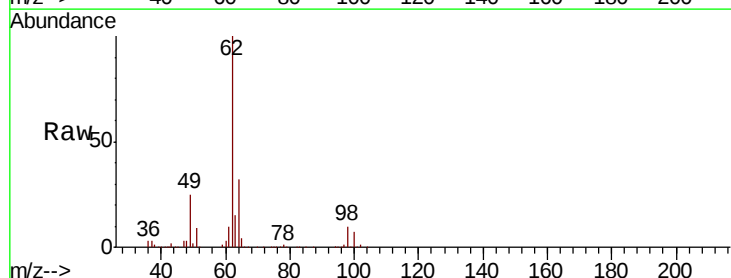
Acq: 25 Oct 2018 8:41

Tgt Ion: 62 Resp: 618745

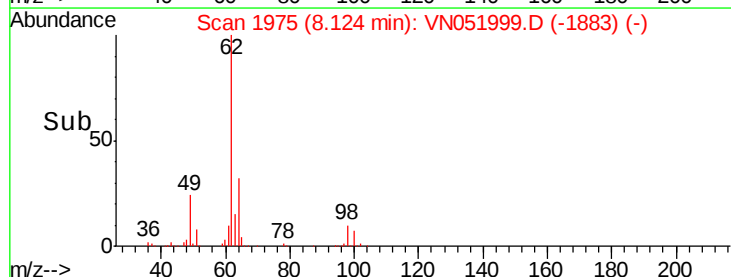
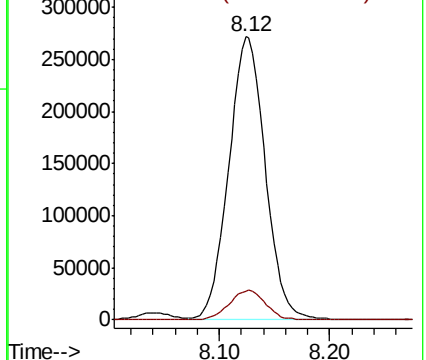
Ion Ratio Lower Upper

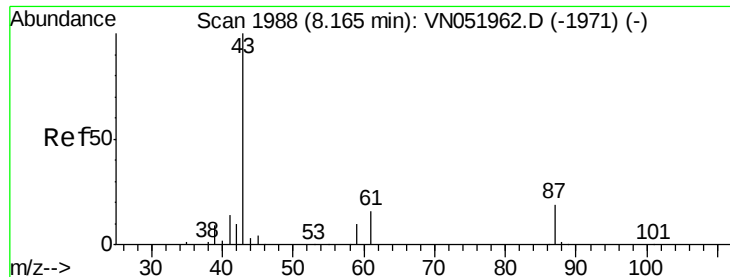
62 100

98 10.5 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 47.639 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

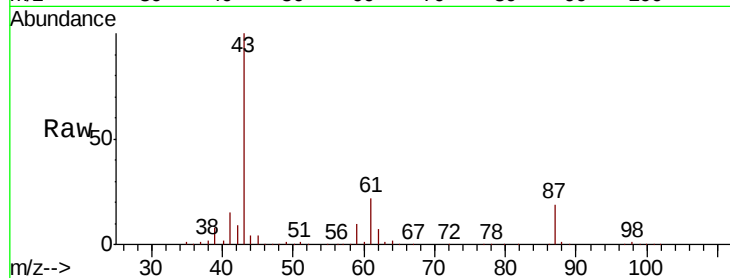
Tot Ion: 43 Resp: 560628

Ion Ratio Lower Upper

43 100

61 32.8 17.2 25.8#

87 18.7 15.2 22.8

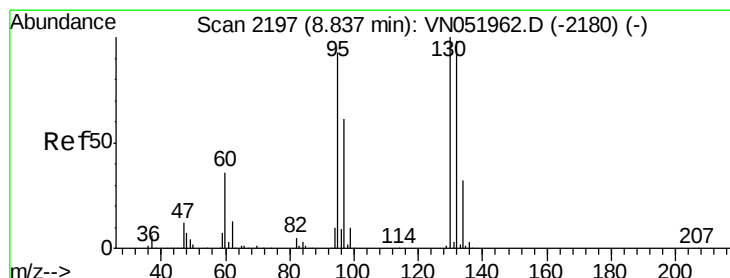
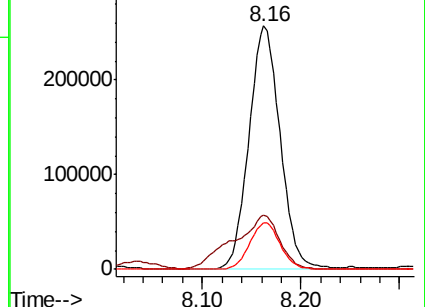
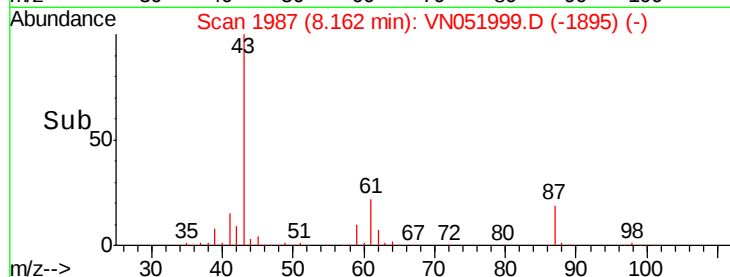


Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)

Time-->



#44

Trichloroethene

Concen: 50.379 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051999.D

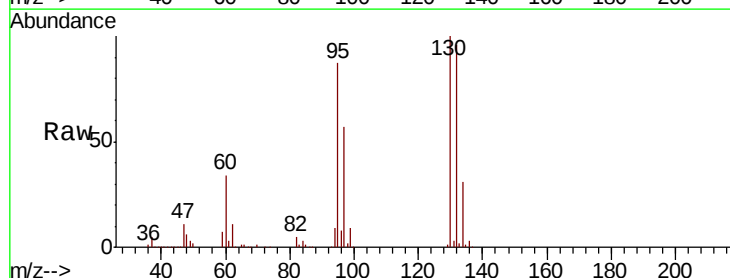
Acq: 25 Oct 2018 8:41

Tgt Ion:130 Resp: 674669

Ion Ratio Lower Upper

130 100

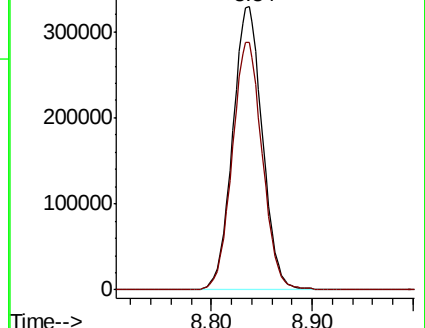
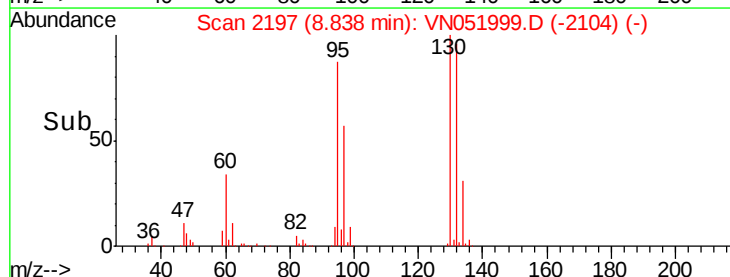
95 87.3 0.0 185.2

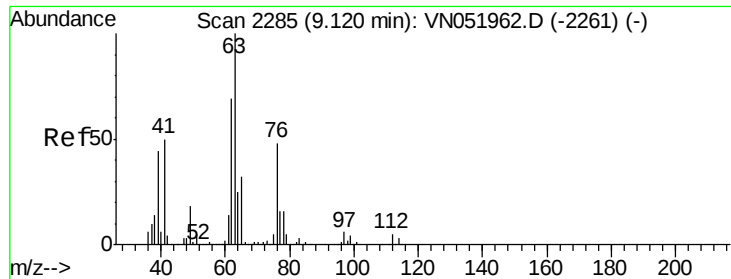


Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)

Time-->

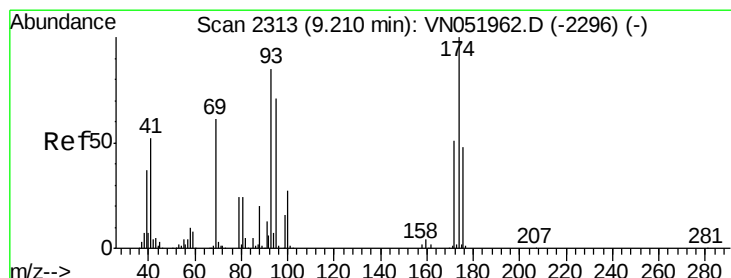
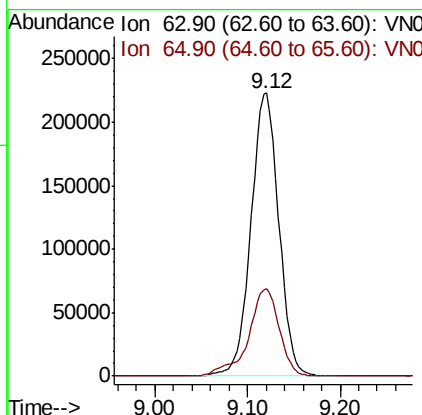
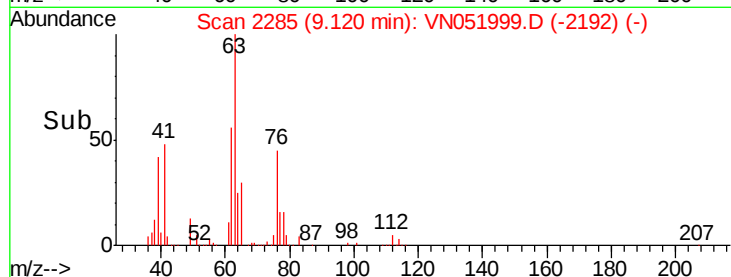
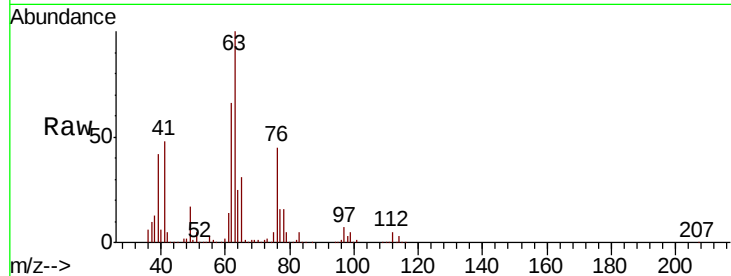




#45  
 1,2-Dichloropropane  
 Concen: 49.148 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

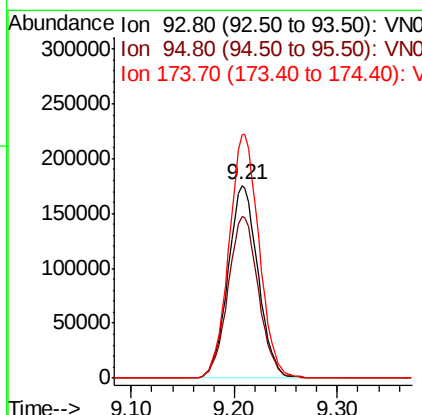
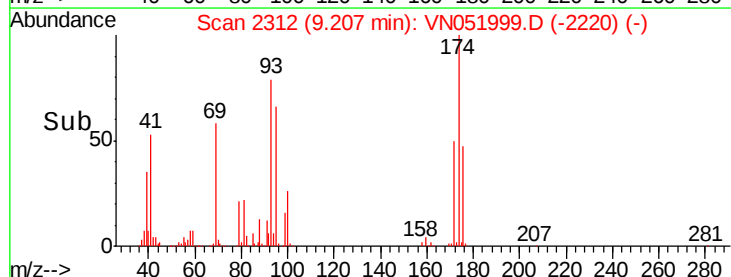
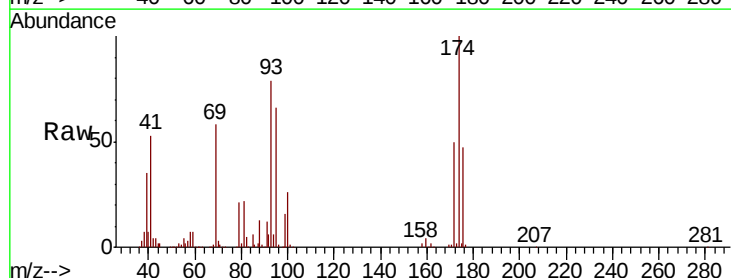
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

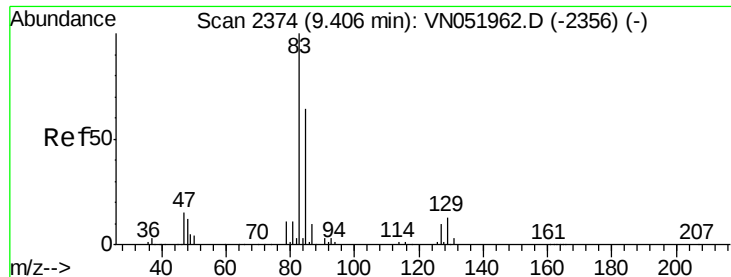
Tot Ion: 63 Resp: 463859  
 Ion Ratio Lower Upper  
 63 100  
 65 30.9 25.8 38.6



#46  
 Dibromomethane  
 Concen: 46.654 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Tgt Ion: 93 Resp: 354948  
 Ion Ratio Lower Upper  
 93 100  
 95 85.2 66.7 100.1  
 174 126.9 93.8 140.6





#47

Bromodichloromethane

Concen: 49.793 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

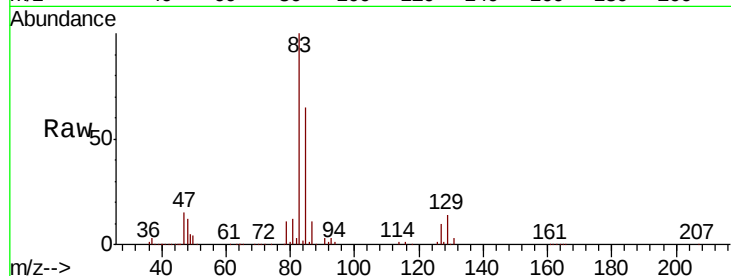
Tot Ion: 83 Resp: 715457

Ion Ratio Lower Upper

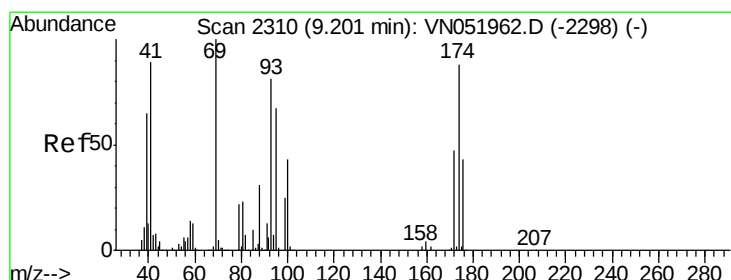
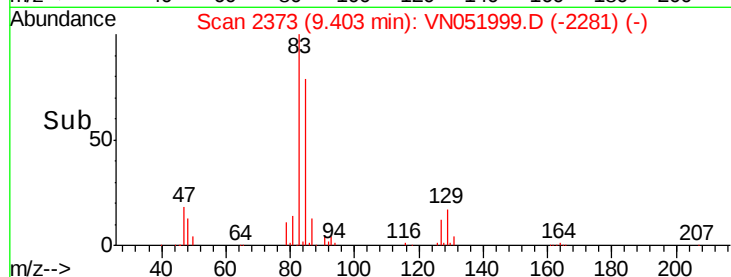
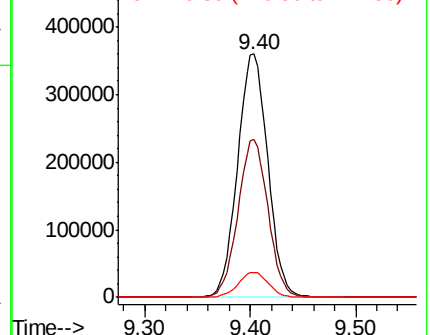
83 100

85 65.0 51.0 76.4

127 10.3 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VNC  
Ion 84.90 (84.60 to 85.60): VNC  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 46.808 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

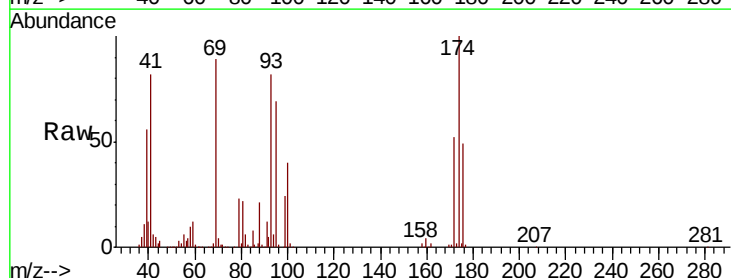
Tgt Ion: 41 Resp: 266252

Ion Ratio Lower Upper

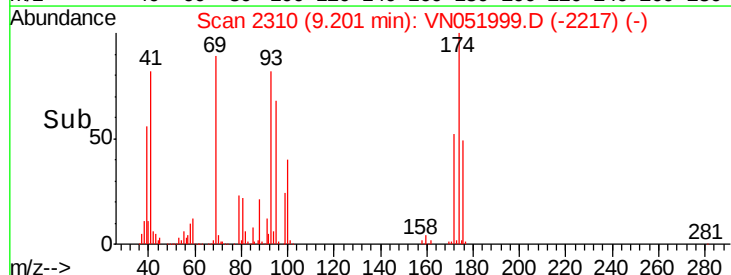
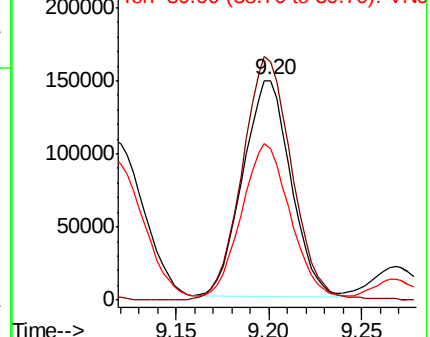
41 100

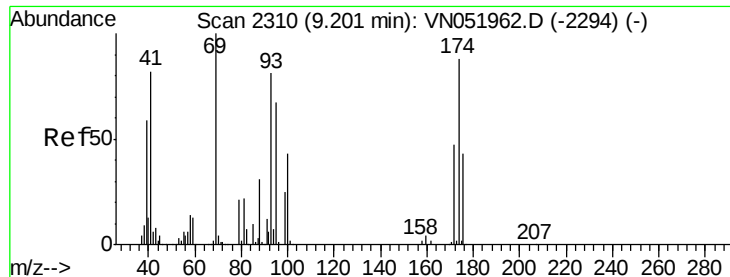
69 116.8 92.2 138.4

39 74.7 60.2 90.4



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





#49

1,4-Dioxane

Concen: 738.100 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

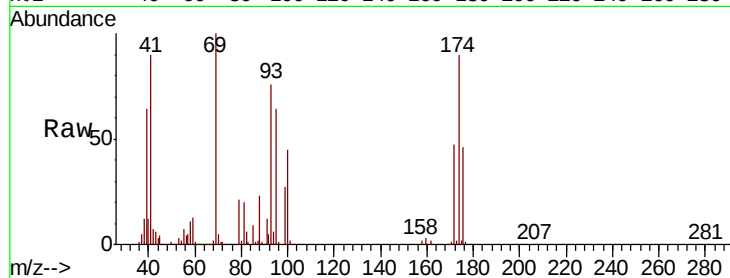
Tot Ion: 88 Resp: 76984

Ion Ratio Lower Upper

88 100

43 26.4 18.8 28.2

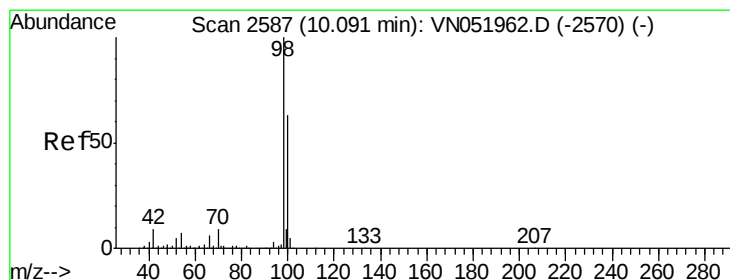
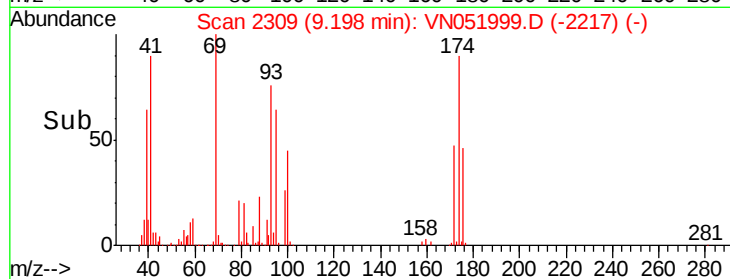
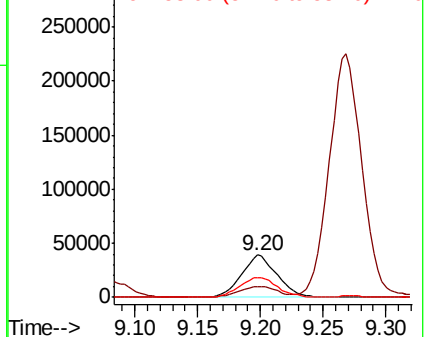
58 50.4 39.8 59.6



Abundance Ion 88.00 (87.70 to 88.70): VN051962.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN051962.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2294) (-)



#50

Toluene-d8

Concen: 738.100 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051999.D

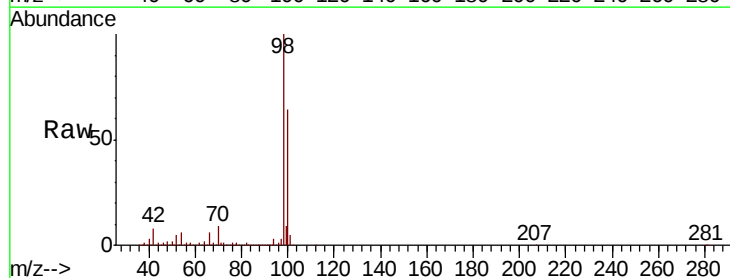
Acq: 25 Oct 2018 8:41

Tgt Ion: 98 Resp: 2019118

Ion Ratio Lower Upper

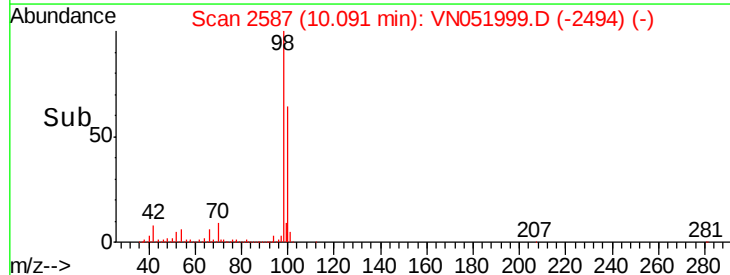
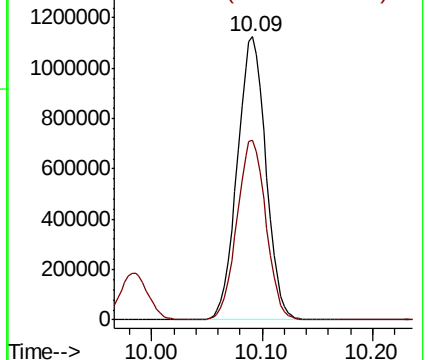
98 100

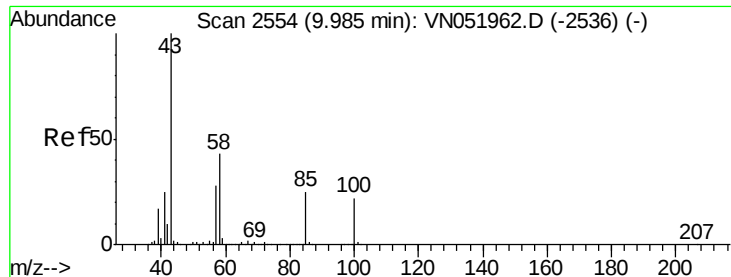
100 64.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 230.955 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

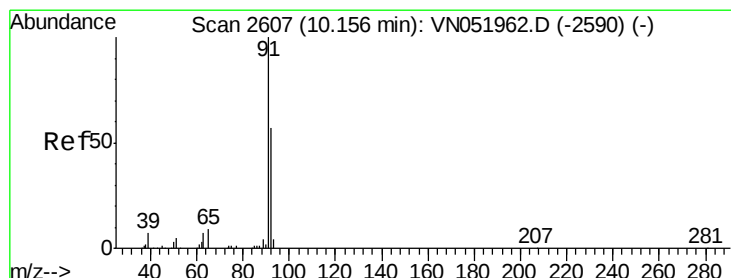
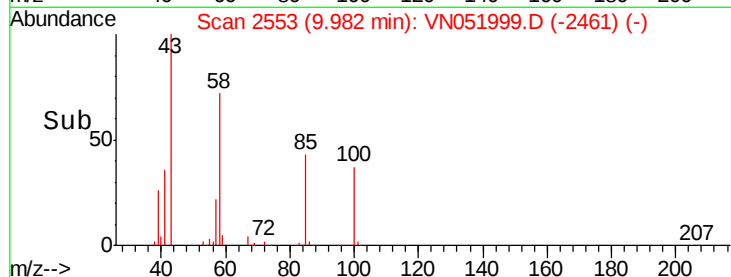
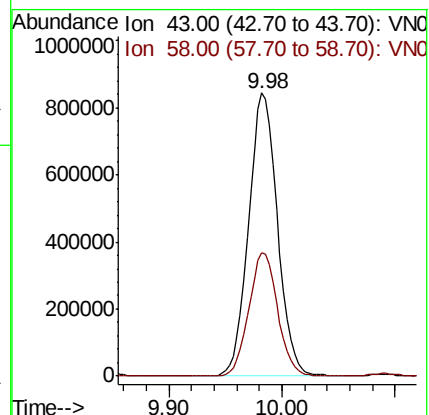
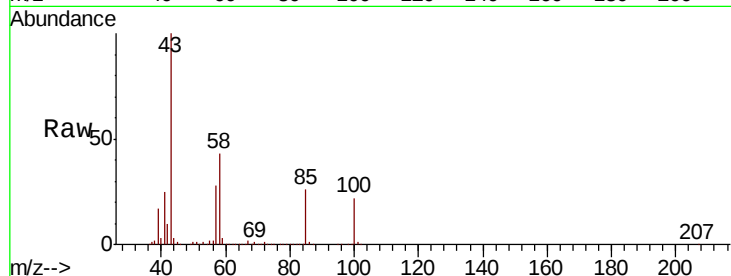
VSTDCCC050

Tot Ion: 43 Resp: 1495020

Ion Ratio Lower Upper

43 100

58 43.7 34.8 52.2



#52

Toluene

Concen: 49.636 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051999.D

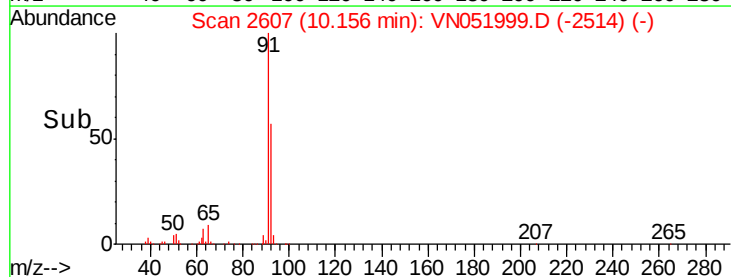
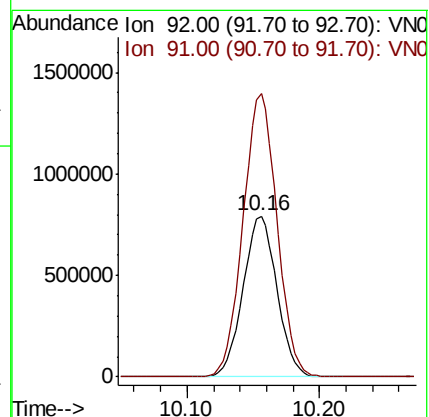
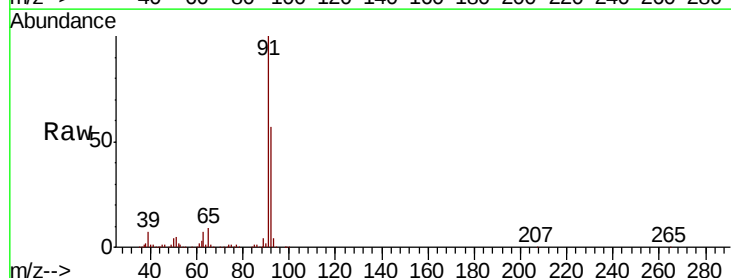
Acq: 25 Oct 2018 8:41

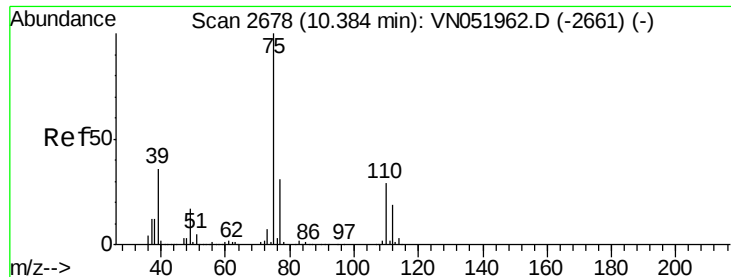
Tgt Ion: 92 Resp: 1404313

Ion Ratio Lower Upper

92 100

91 176.4 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 46.826 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

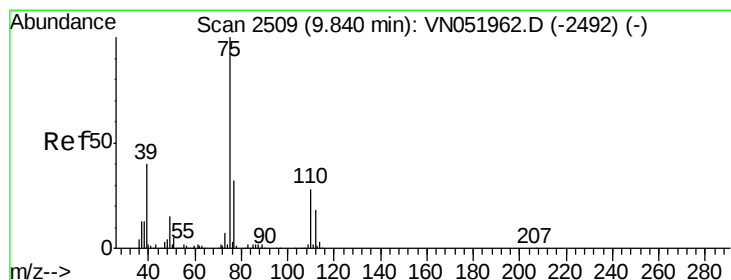
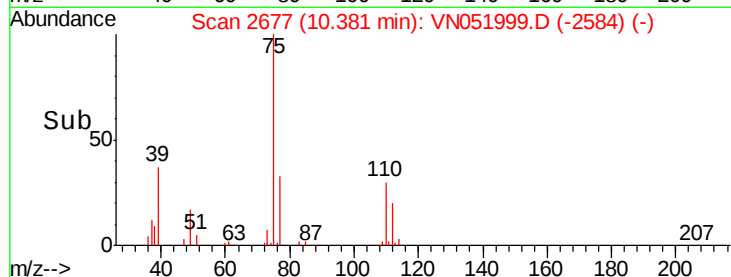
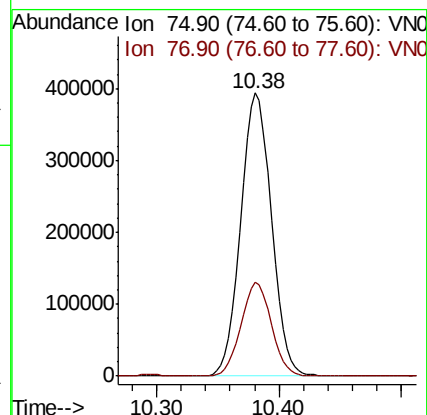
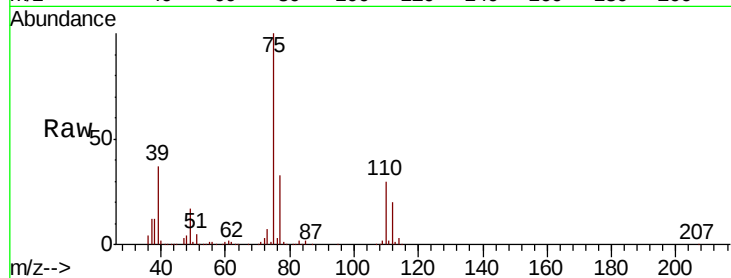
VSTDCCC050

Tot Ion: 75 Resp: 685937

Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.560 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

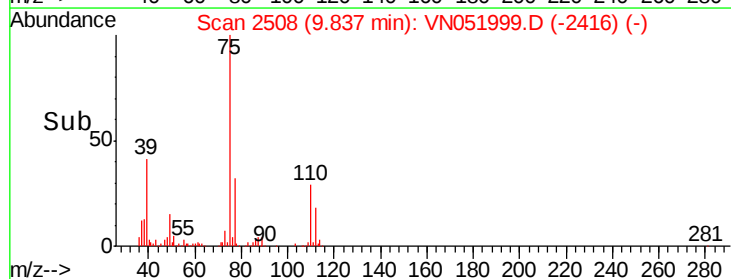
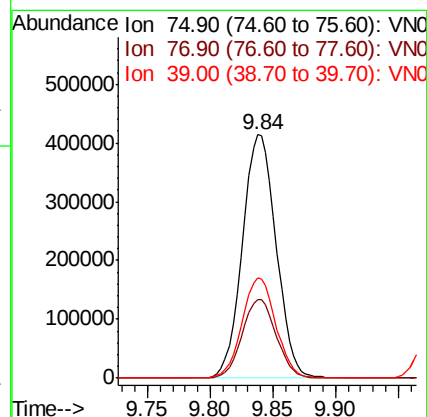
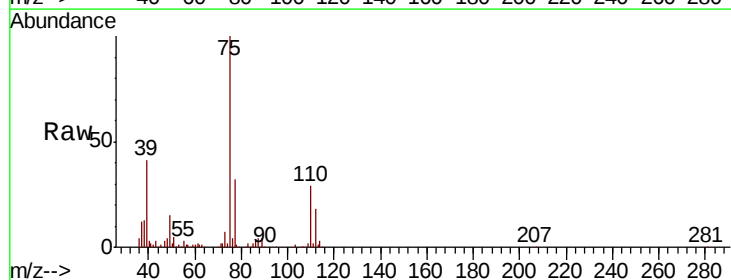
Tgt Ion: 75 Resp: 774346

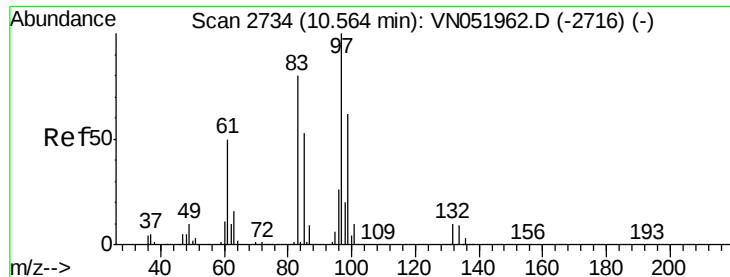
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 41.0 32.0 48.0

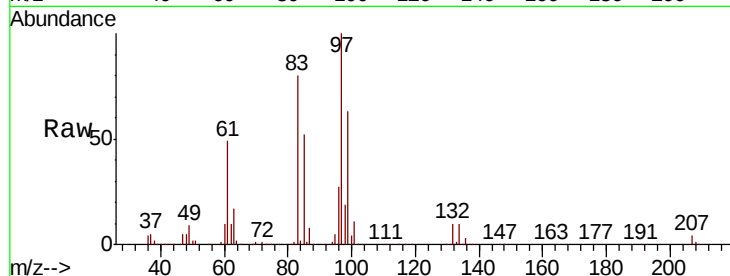




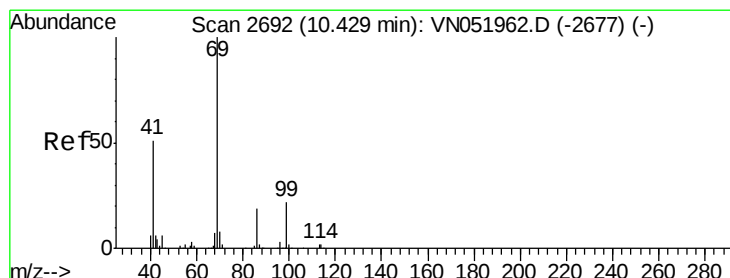
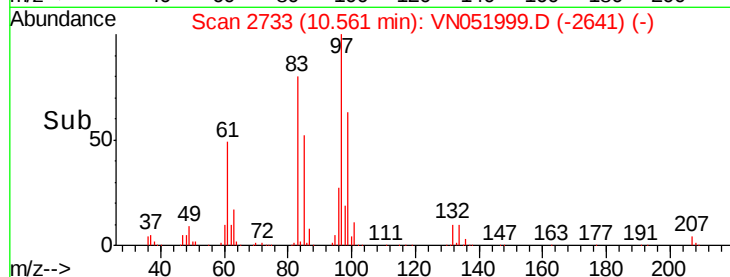
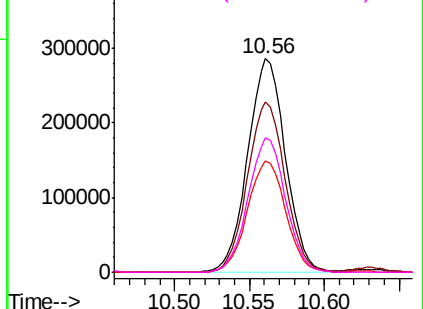
#55  
 1,1,2-Trichloroethane  
 Concen: 47.943 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 501164 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 79.9  | 64.0  | 96.0   |
| 85       | 52.1  | 42.4  | 63.6   |
| 99       | 62.7  | 49.4  | 74.2   |

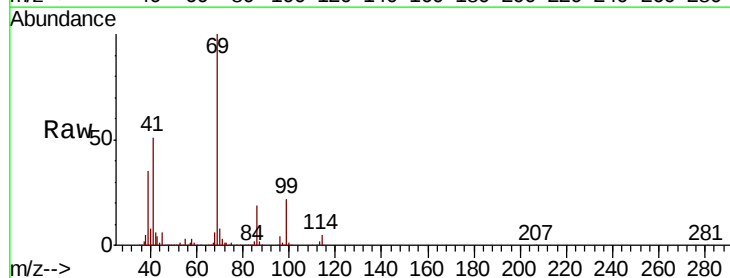


Abundance Ion 96.90 (96.60 to 97.60): VNO  
 Ion 82.90 (82.60 to 83.60): VNO  
 Ion 84.90 (84.60 to 85.60): VNO  
 Ion 98.90 (98.60 to 99.60): VNO

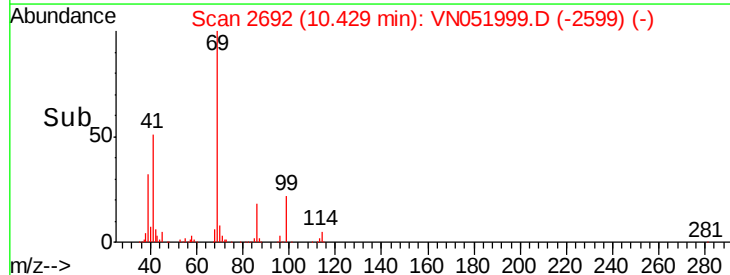
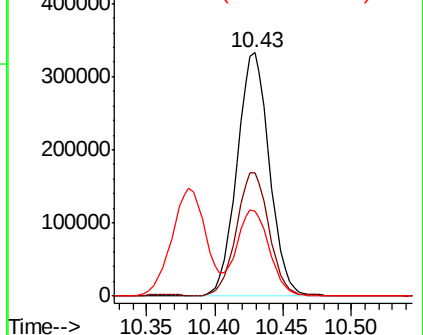


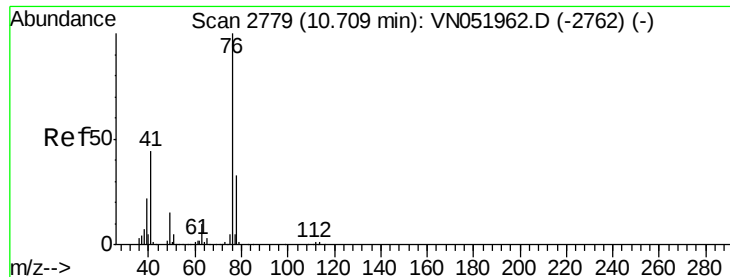
#56  
 Ethyl methacrylate  
 Concen: 48.882 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 549264 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 51.0  | 40.7  | 61.1   |
| 39       | 34.8  | 29.3  | 43.9   |



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

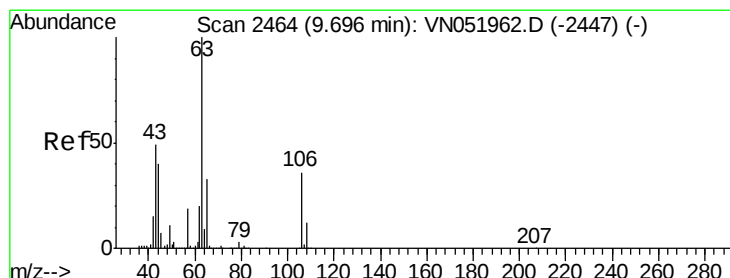
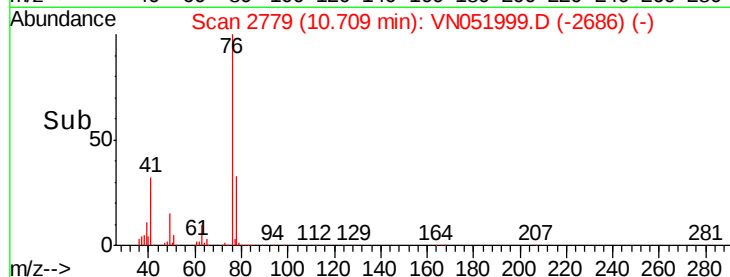
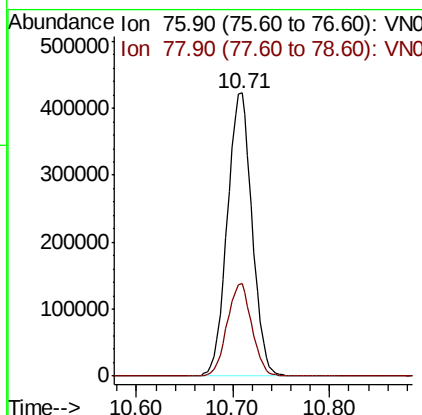
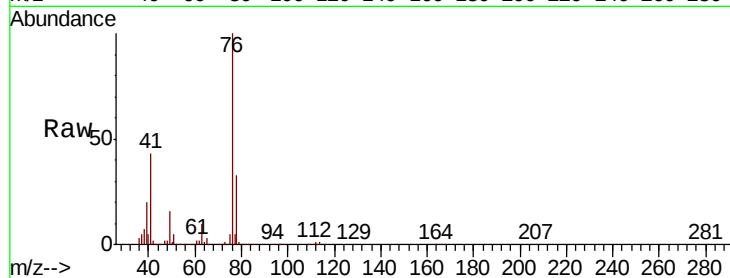




#57  
 1,3-Dichloropropane  
 Concen: 47.339 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

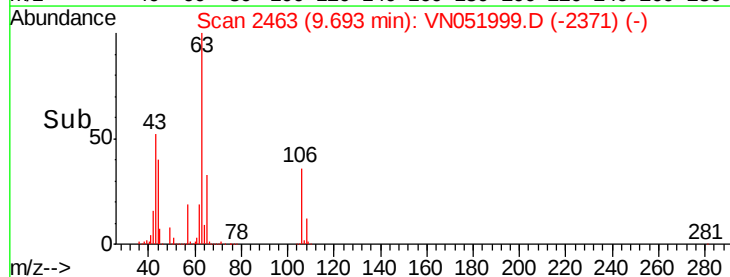
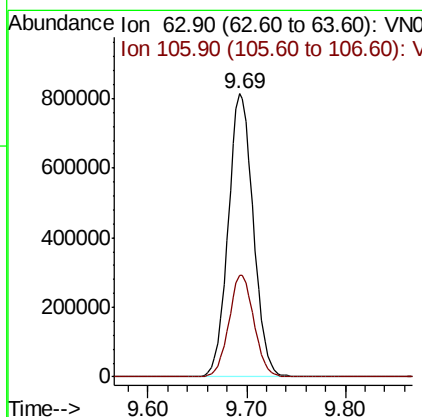
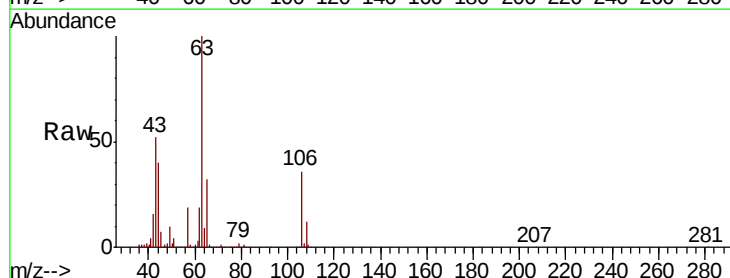
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

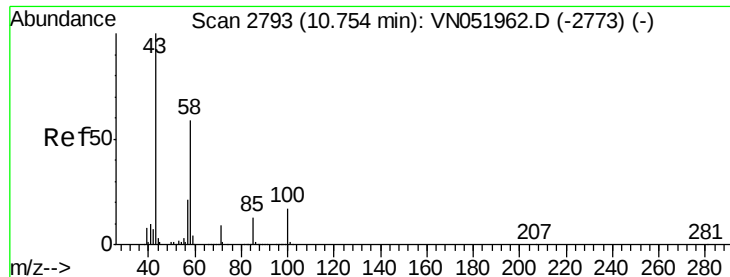
Tot Ion: 76 Resp: 751243  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 26.4 39.6



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 245.932 ug/l  
 RT: 9.69 min Scan# 2463  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Tgt Ion: 63 Resp: 1445944  
 Ion Ratio Lower Upper  
 63 100  
 106 35.9 28.3 42.5

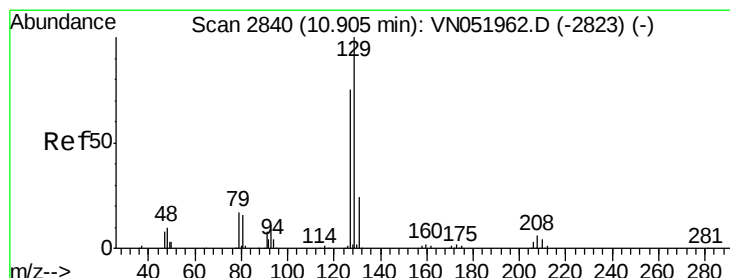
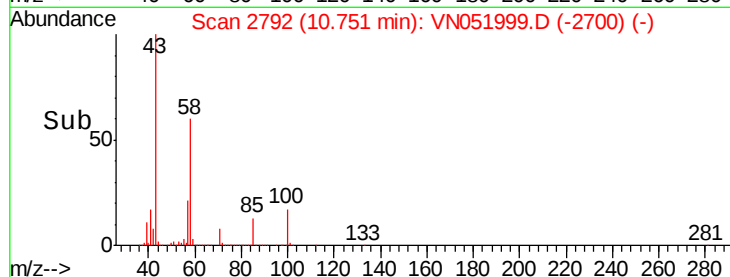
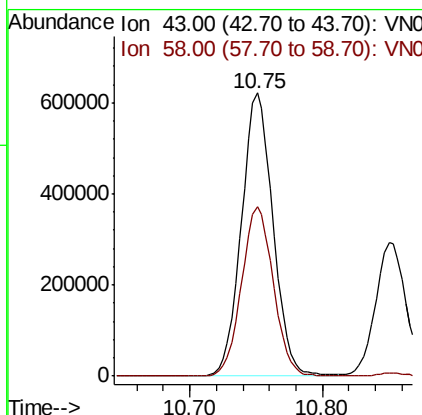
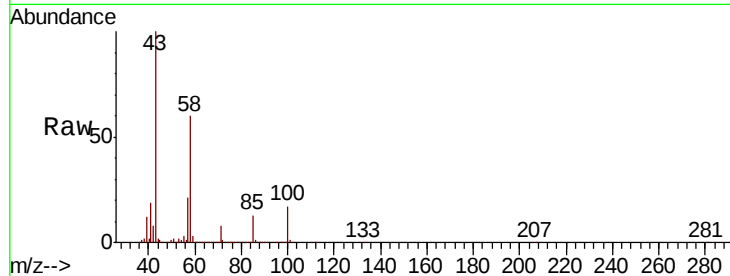




#59  
2-Hexanone  
Concen: 235.376 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

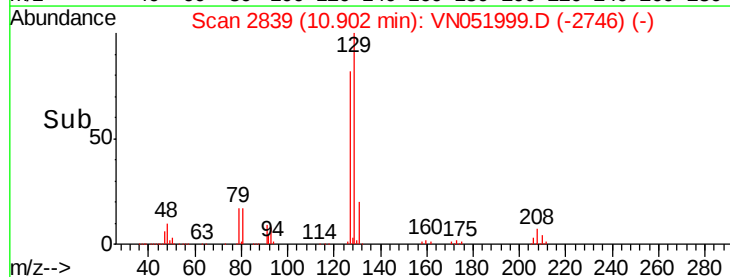
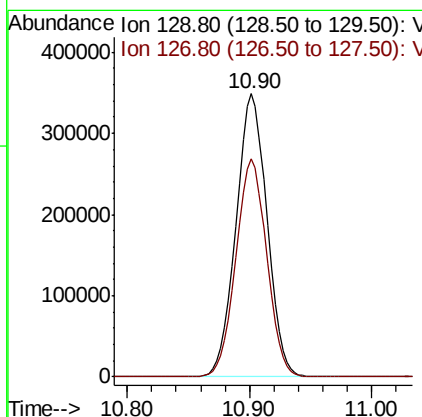
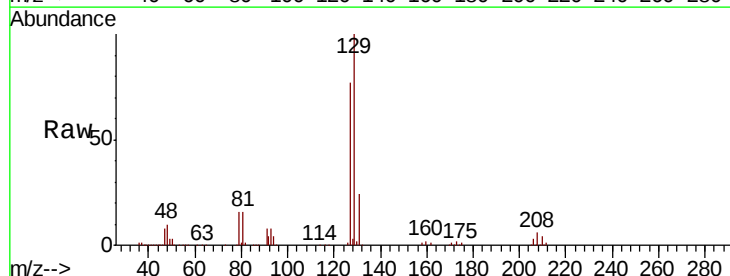
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

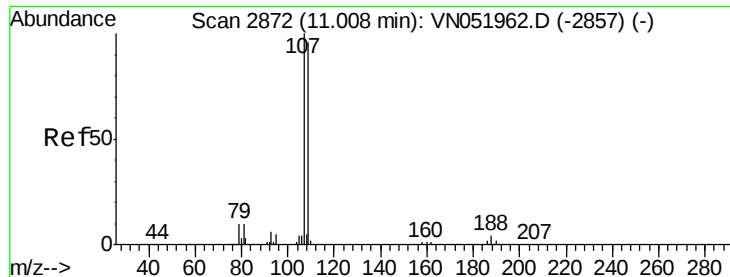
Tot Ion: 43 Resp: 1023728  
Ion Ratio Lower Upper  
43 100  
58 60.3 29.9 89.8



#60  
Dibromochloromethane  
Concen: 46.017 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion: 129 Resp: 611454  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.0 114.0

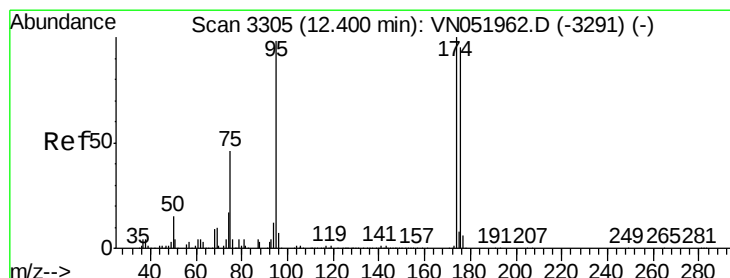
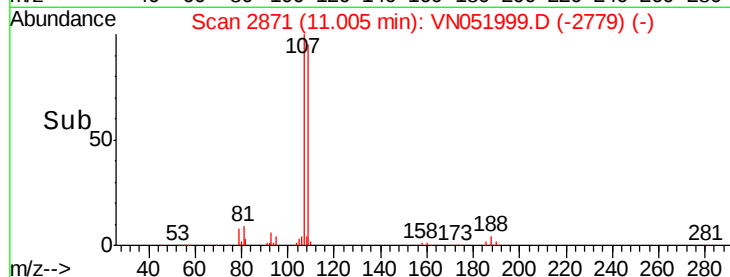
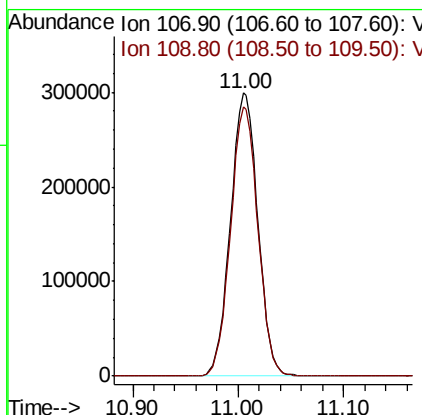
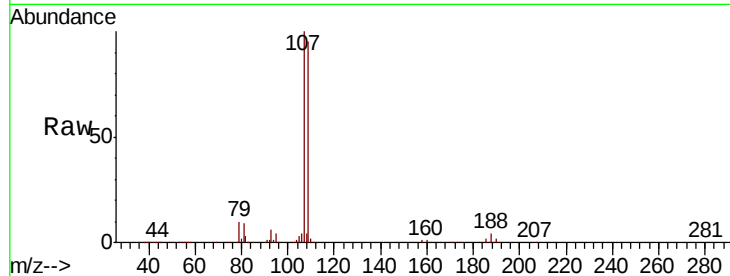




#61  
 1,2-Dibromoethane  
 Concen: 48.664 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

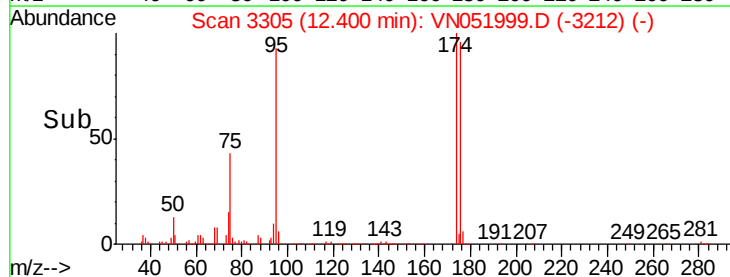
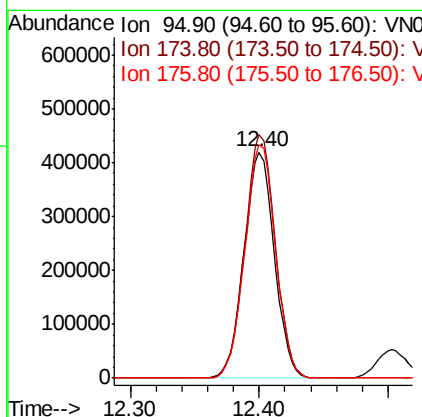
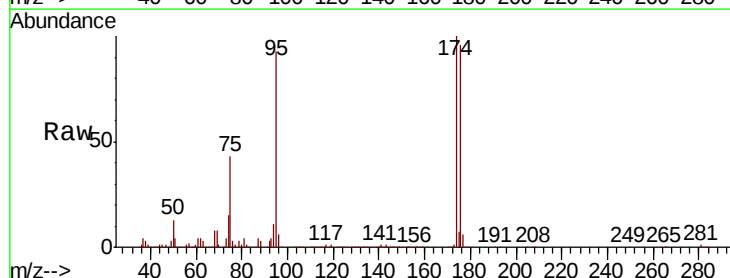
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

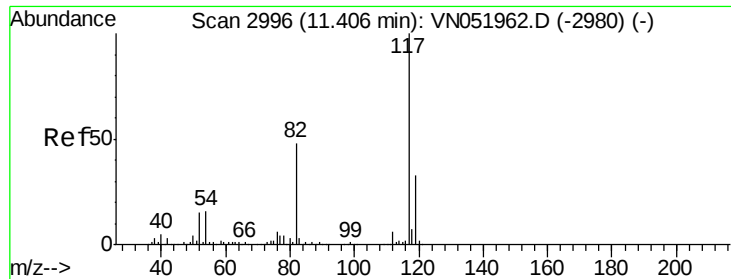
Tot Ion: 107 Resp: 536366  
 Ion Ratio Lower Upper  
 107 100  
 109 95.3 75.9 113.9



#62  
 4-Bromofluorobenzene  
 Concen: 48.664 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Tgt Ion: 95 Resp: 688126  
 Ion Ratio Lower Upper  
 95 100  
 174 108.3 0.0 206.0  
 176 104.3 0.0 198.0

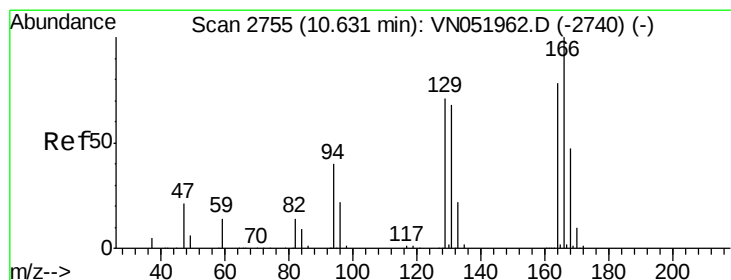
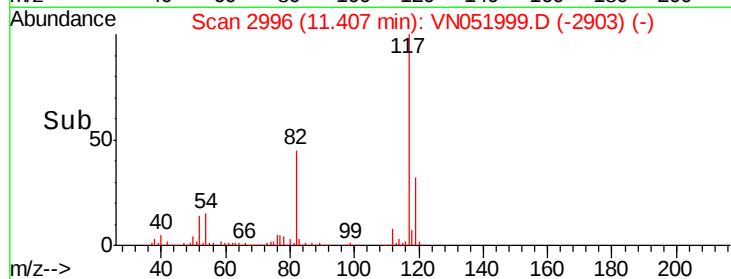
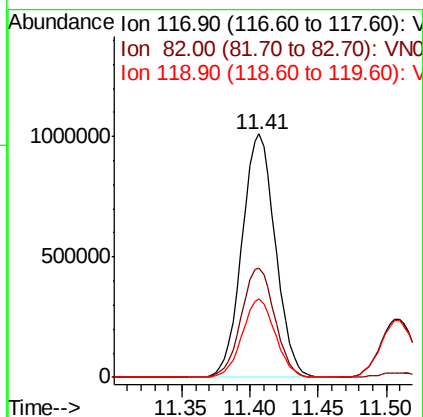
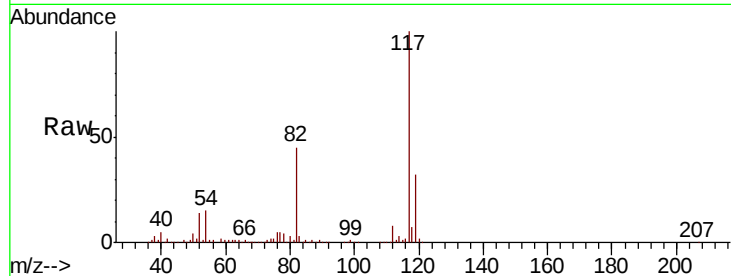




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

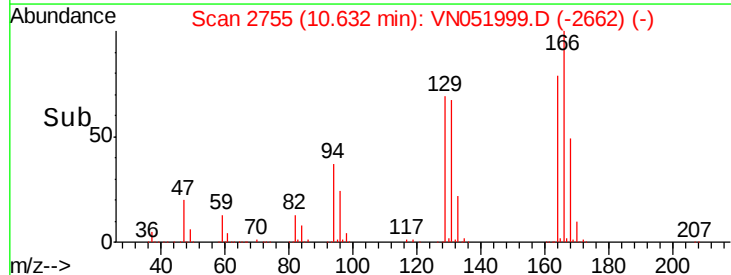
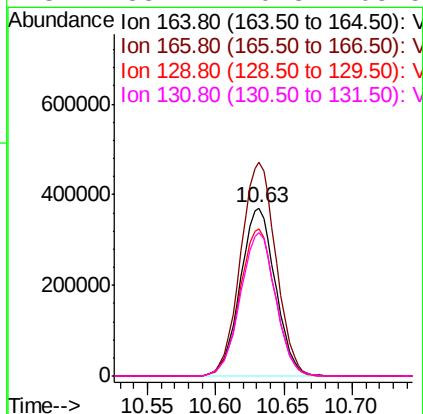
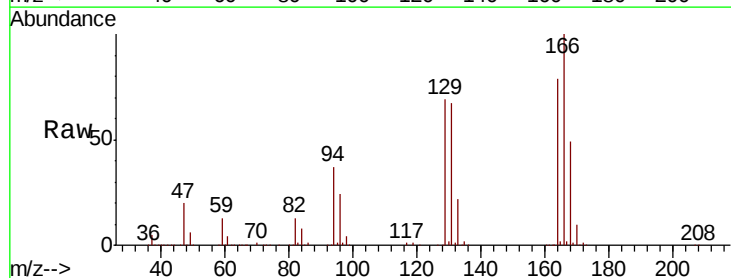
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

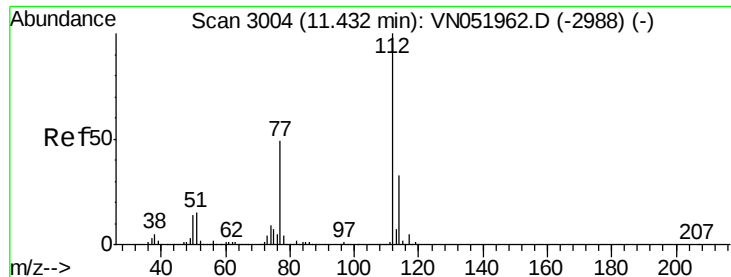
Tot Ion:117 Resp: 1716596  
Ion Ratio Lower Upper  
117 100  
82 44.8 38.1 57.1  
119 32.0 26.4 39.6



#64  
Tetrachloroethene  
Concen: 50.043 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion:164 Resp: 659343  
Ion Ratio Lower Upper  
164 100  
166 127.3 103.1 154.7  
129 87.6 73.6 110.4  
131 85.4 70.3 105.5





#65

Chlorobenzene

Concen: 49.203 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampled :

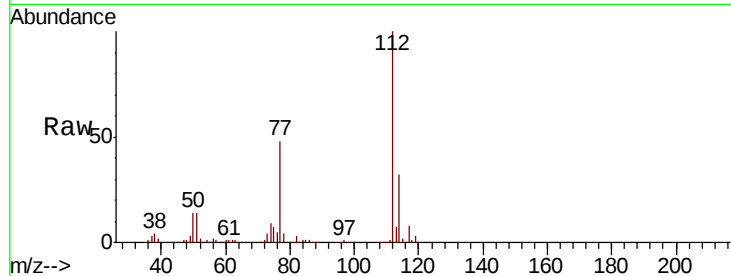
VSTDCCC050

Tot Ion:112 Resp: 1705311

Ion Ratio Lower Upper

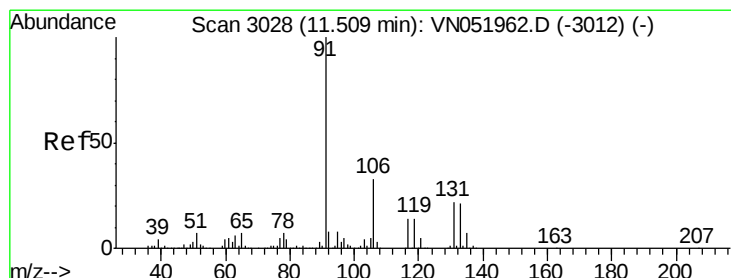
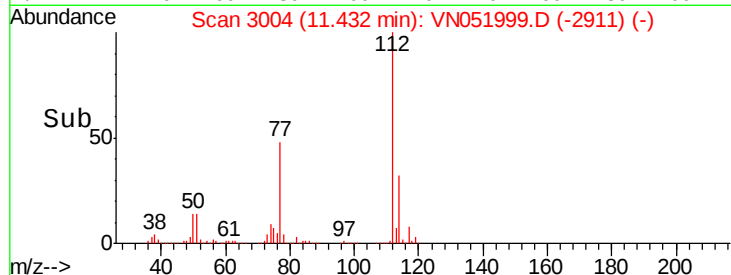
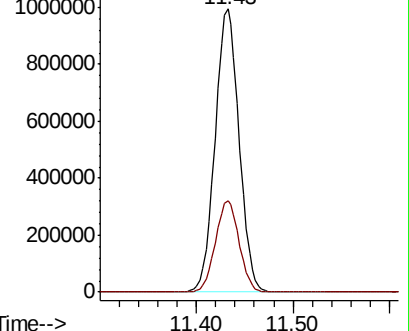
112 100

114 32.4 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.682 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

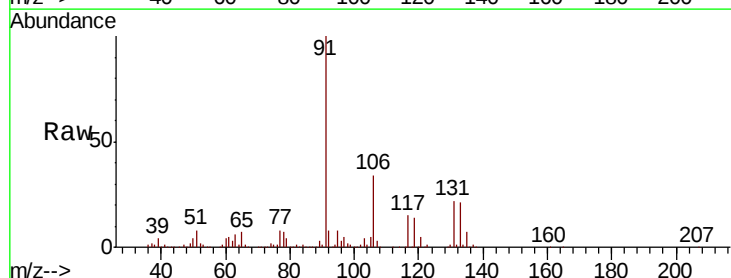
Tgt Ion:131 Resp: 631374

Ion Ratio Lower Upper

131 100

133 96.6 47.8 143.3

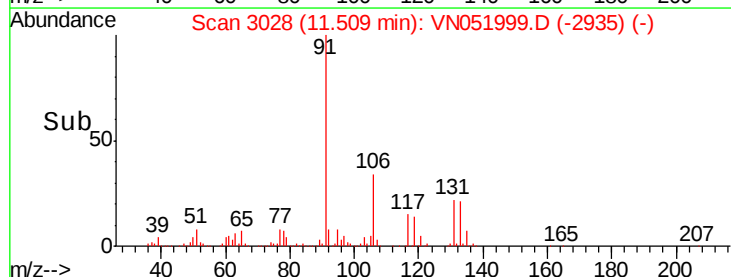
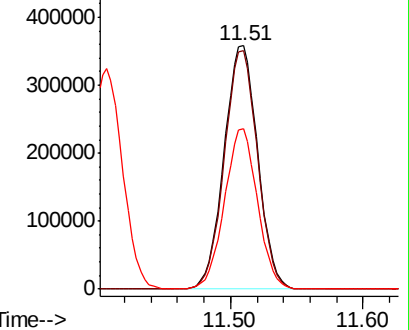
119 64.4 32.0 96.2

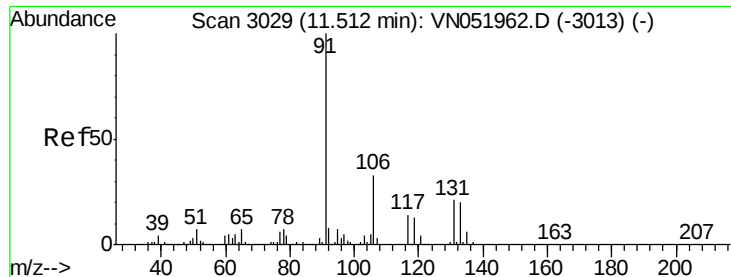


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

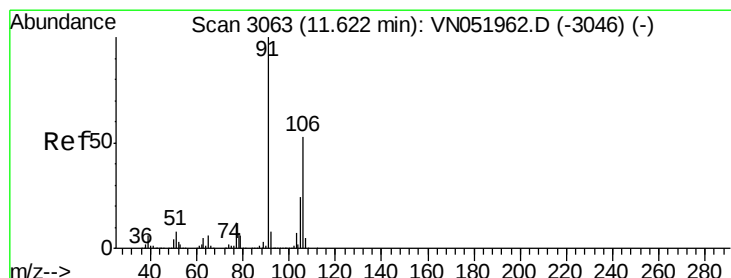
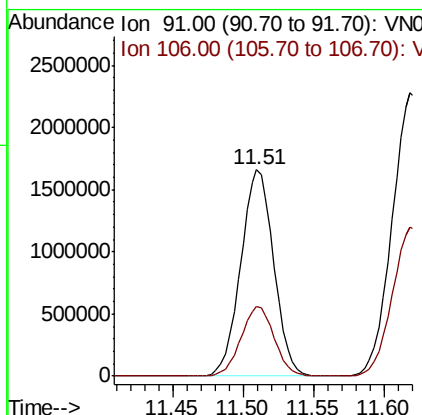
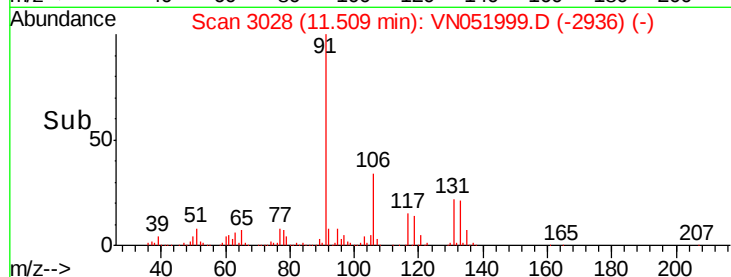
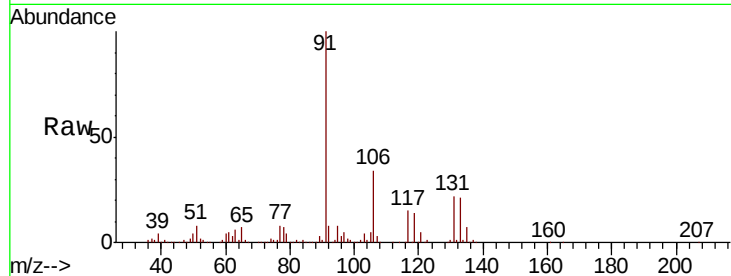




#67  
Ethyl Benzene  
Concen: 48.751 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

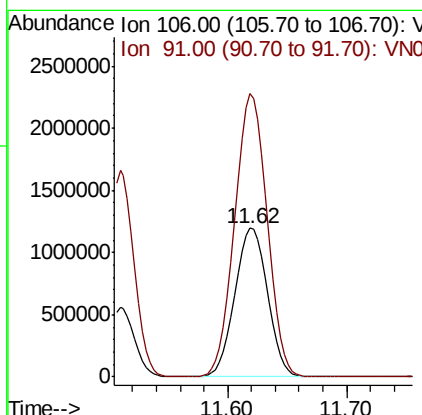
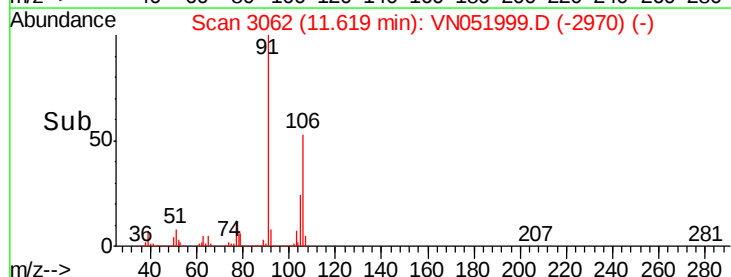
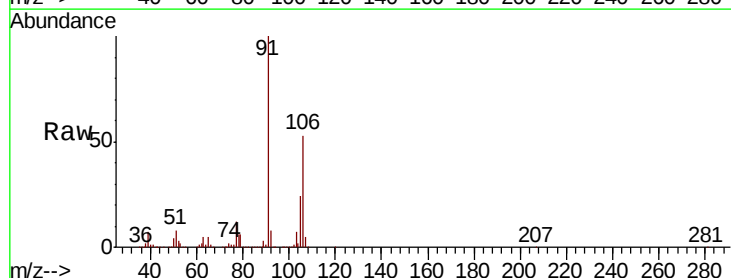
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

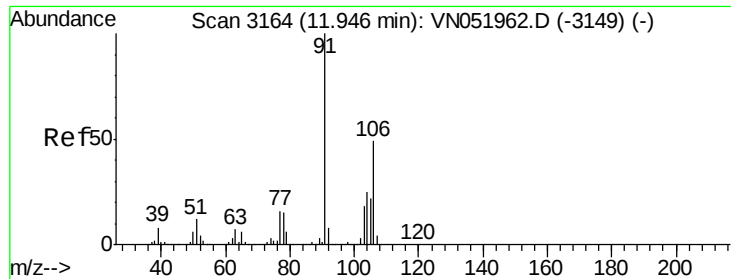
Tot Ion: 91 Resp: 2715968  
Ion Ratio Lower Upper  
91 100  
106 33.8 26.4 39.6



#68  
m/p-Xylenes  
Concen: 102.445 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion: 106 Resp: 2280312  
Ion Ratio Lower Upper  
106 100  
91 188.8 152.2 228.2

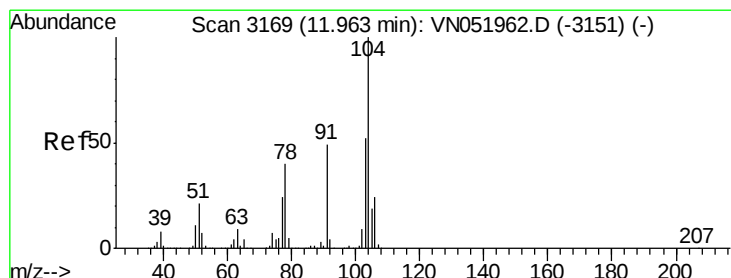
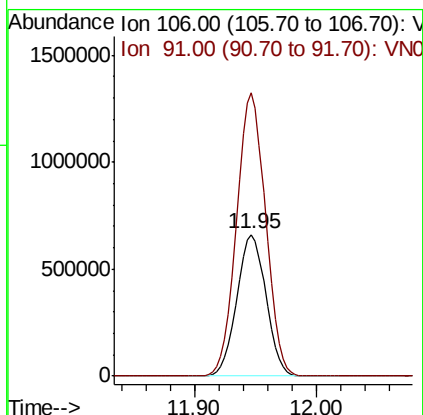
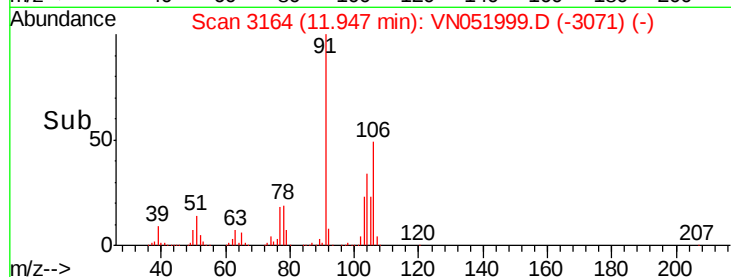
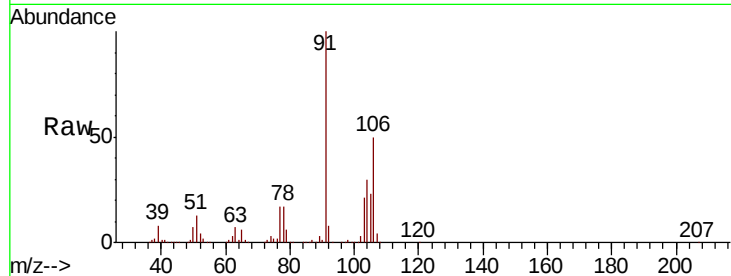




#69  
o-Xylene  
Concen: 50.382 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

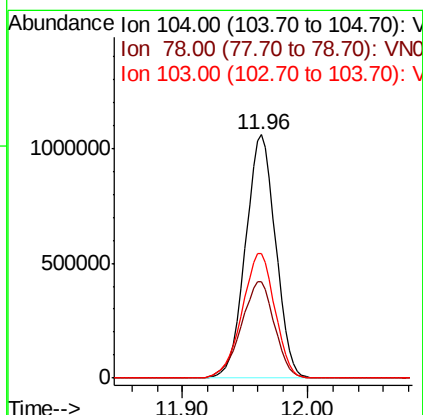
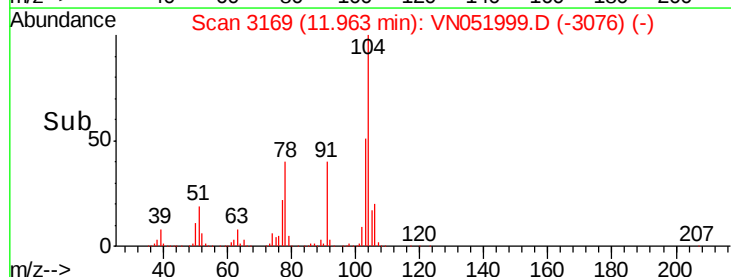
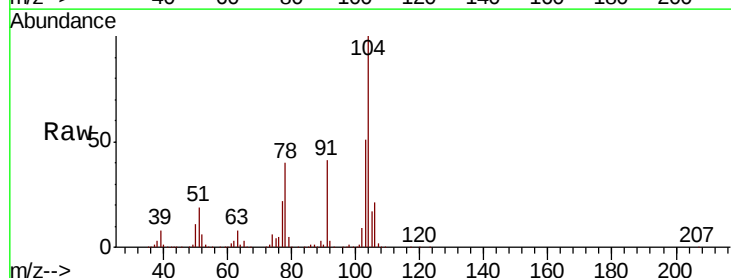
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

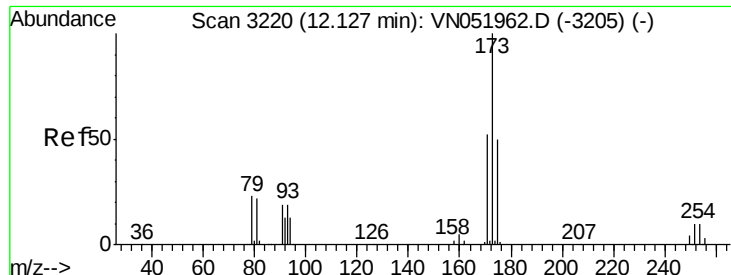
Tot Ion:106 Resp: 1090671  
Ion Ratio Lower Upper  
106 100  
91 199.3 101.0 303.0



#70  
Styrene  
Concen: 51.102 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion:104 Resp: 1768121  
Ion Ratio Lower Upper  
104 100  
78 43.8 35.8 53.6  
103 55.9 44.9 67.3





#71

Bromoform

Concen: 43.211 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

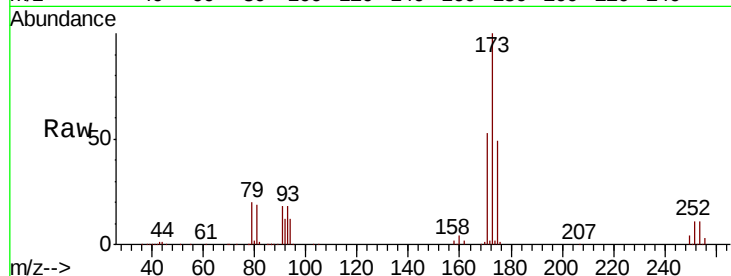
Tot Ion:173 Resp: 394121

Ion Ratio Lower Upper

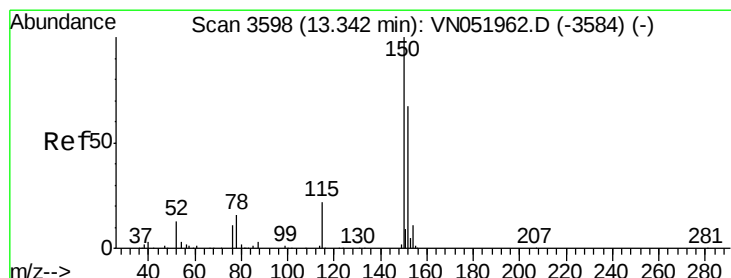
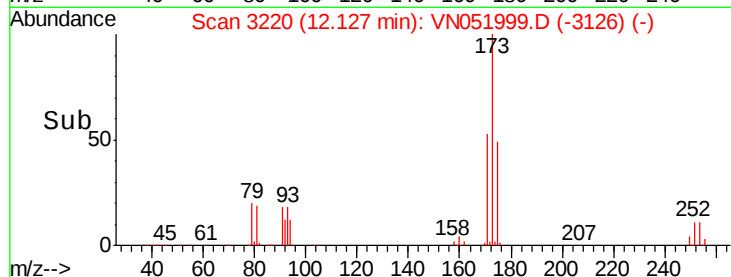
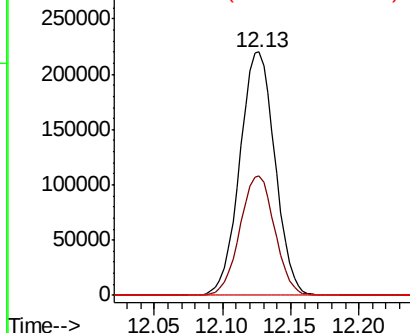
173 100

175 48.4 24.6 74.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

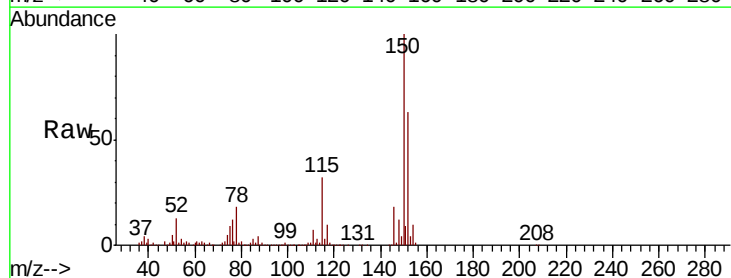
Tgt Ion:152 Resp: 863904

Ion Ratio Lower Upper

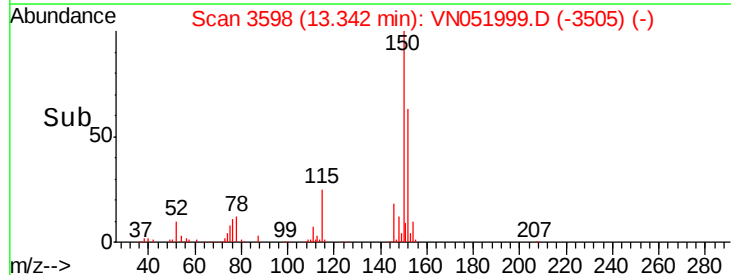
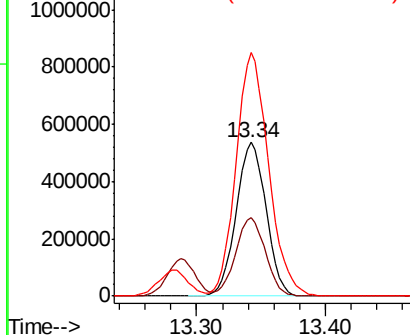
152 100

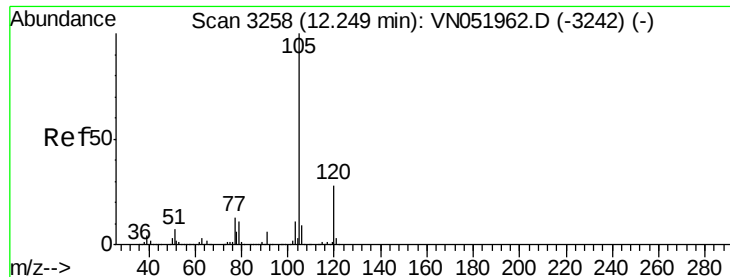
115 50.5 25.8 77.3

150 172.6 0.0 344.4



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





#73

Isopropylbenzene

Concen: 53.694 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

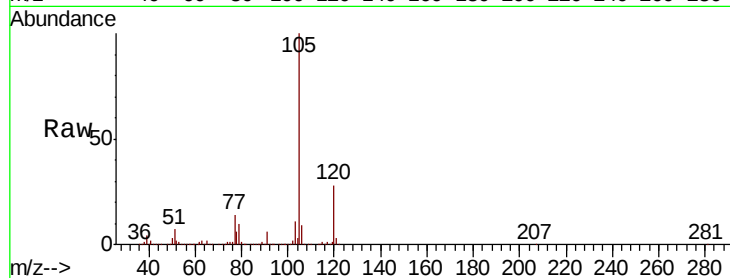
VSTDCCC050

Tot Ion:105 Resp: 2941803

Ion Ratio Lower Upper

105 100

120 28.4 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

2000000

1500000

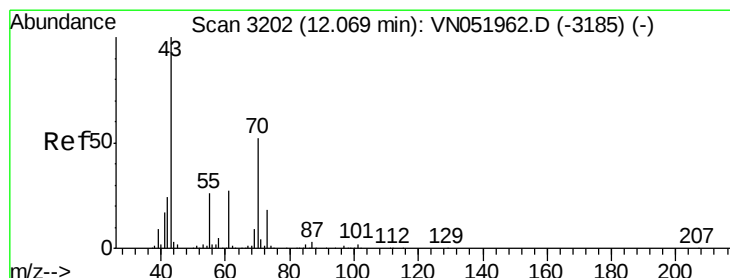
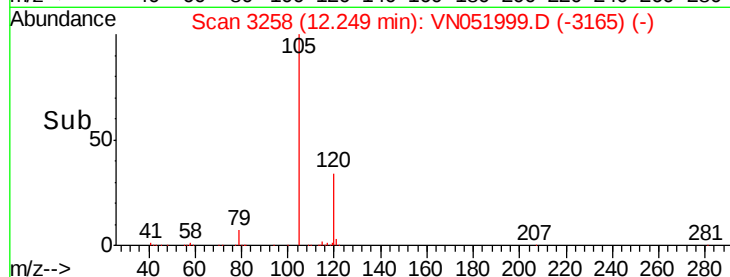
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 47.626 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Tgt Ion: 43 Resp: 513608

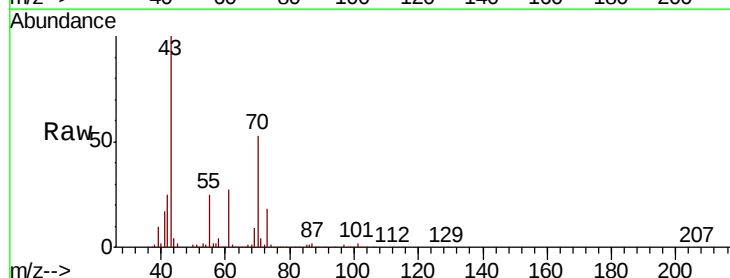
Ion Ratio Lower Upper

43 100

70 52.7 41.3 61.9

55 26.3 21.2 31.8

61 27.3 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

300000

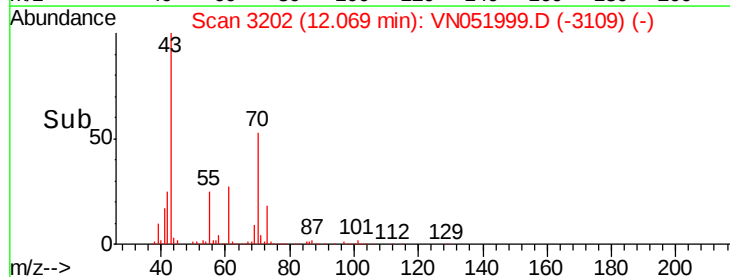
200000

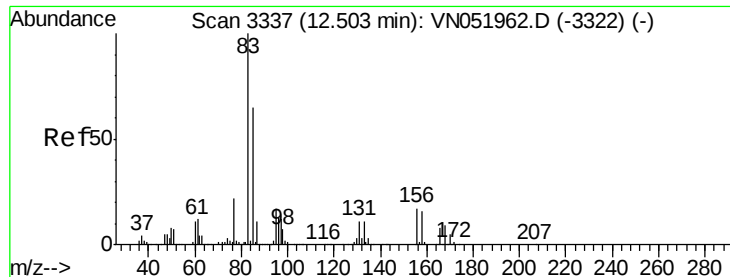
100000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 43.941 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

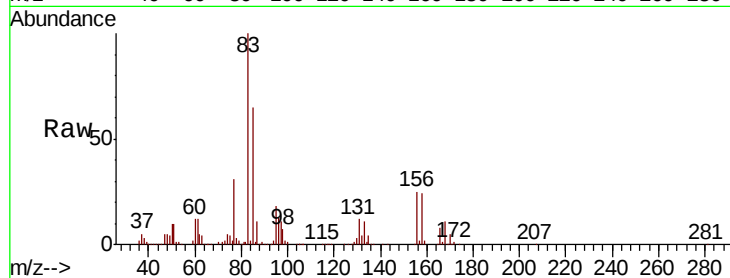
Tot Ion: 83 Resp: 497448

Ion Ratio Lower Upper

83 100

131 13.0 6.2 18.6

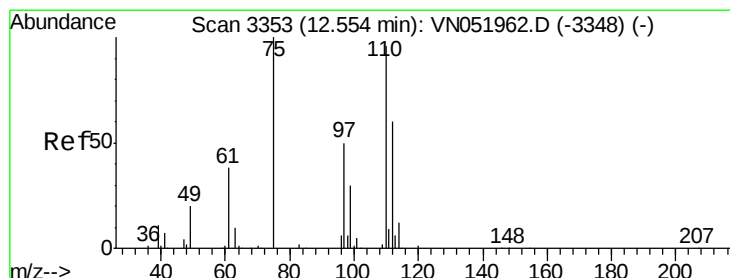
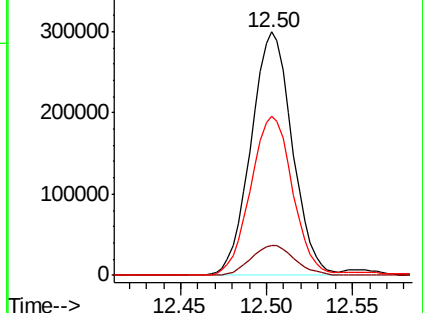
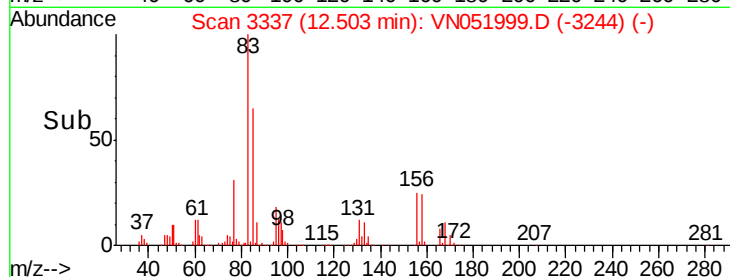
85 66.5 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN051999.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN051999.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN051999.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 71.652 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051999.D

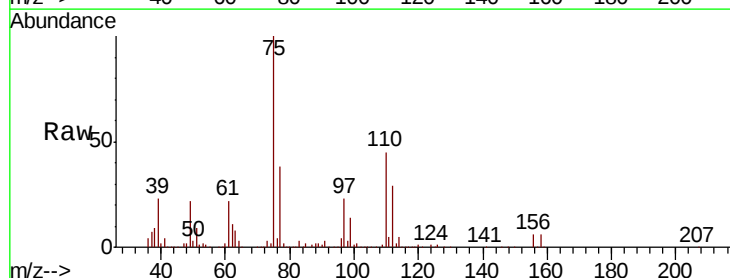
Acq: 25 Oct 2018 8:41

Tgt Ion: 75 Resp: 639398

Ion Ratio Lower Upper

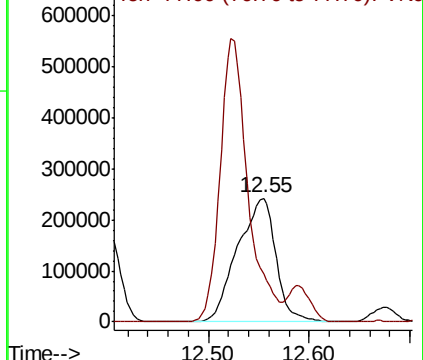
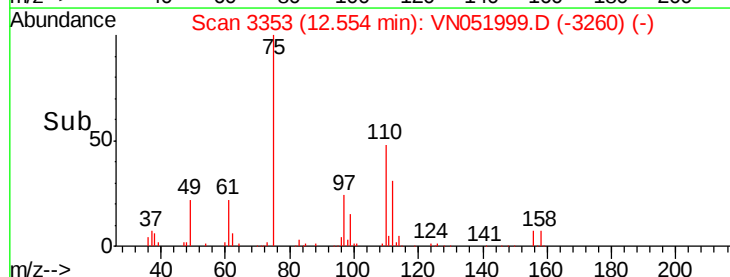
75 100

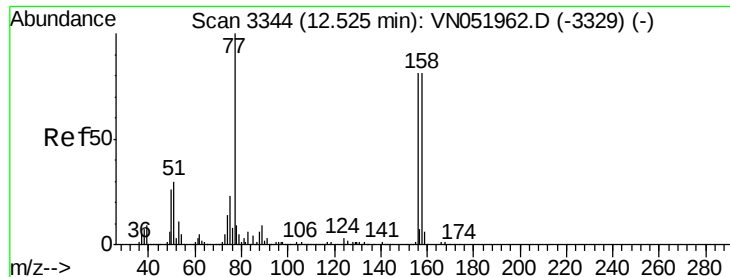
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051999.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051999.D (-3260) (-)





#77

Bromobenzene

Concen: 54.455 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

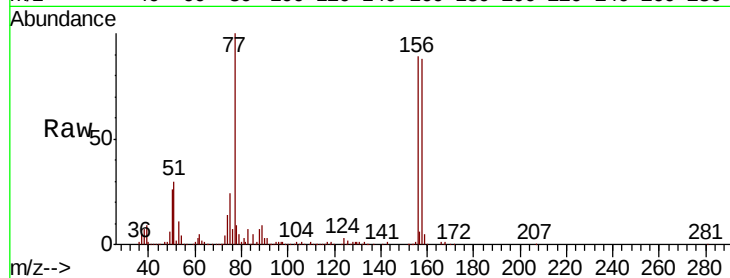
Tot Ion:156 Resp: 823388

Ion Ratio Lower Upper

156 100

77 129.9 71.1 213.3

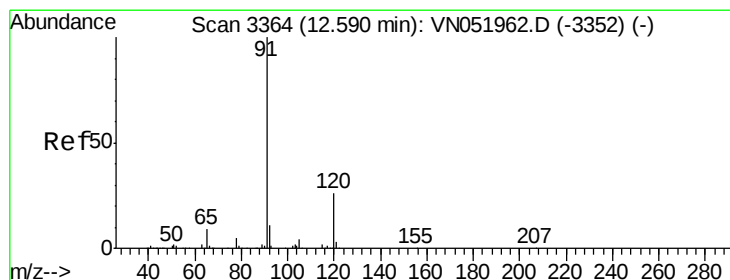
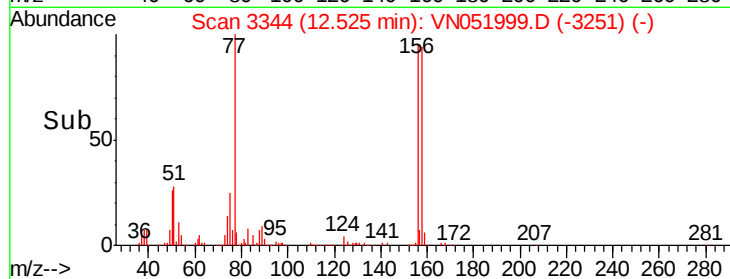
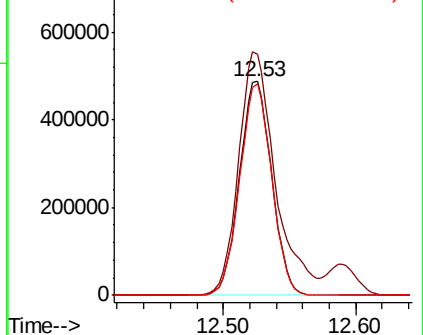
158 97.9 49.3 147.8



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: 53.229 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051999.D

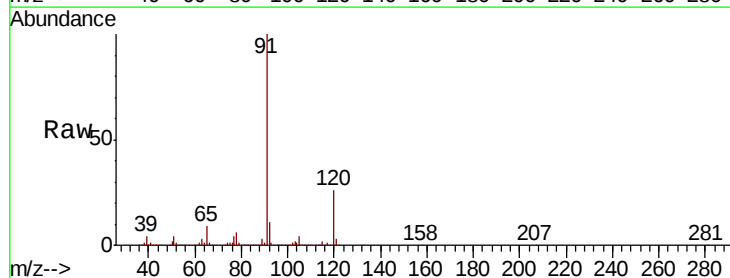
Acq: 25 Oct 2018 8:41

Tgt Ion: 91 Resp: 3145981

Ion Ratio Lower Upper

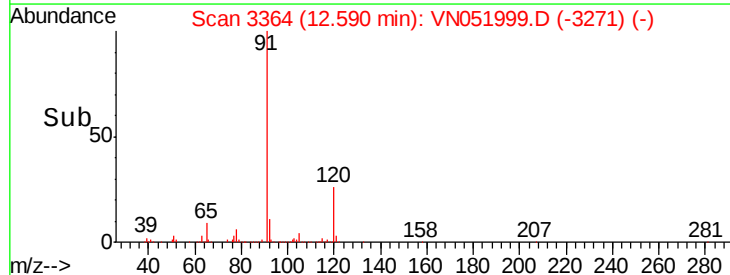
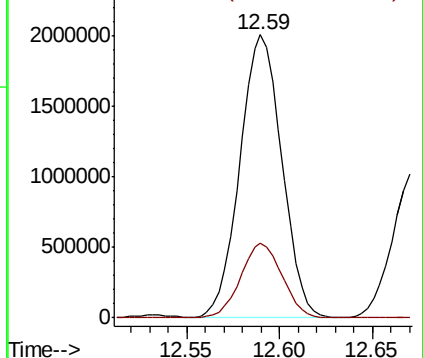
91 100

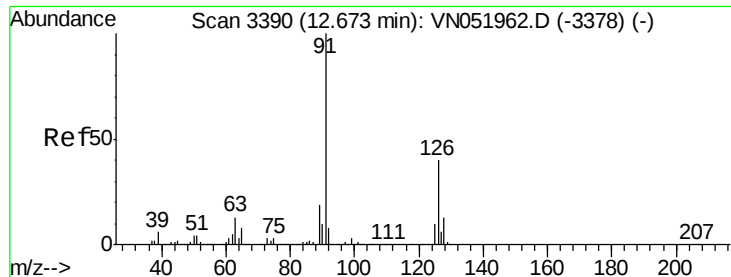
120 26.2 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

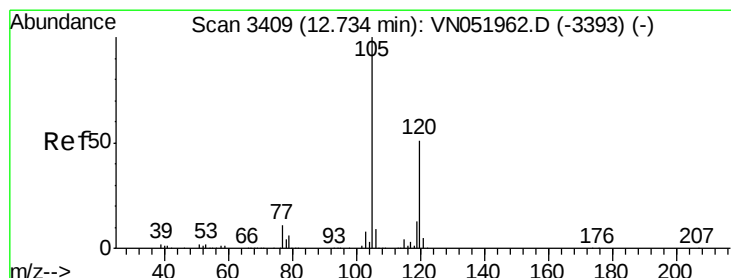
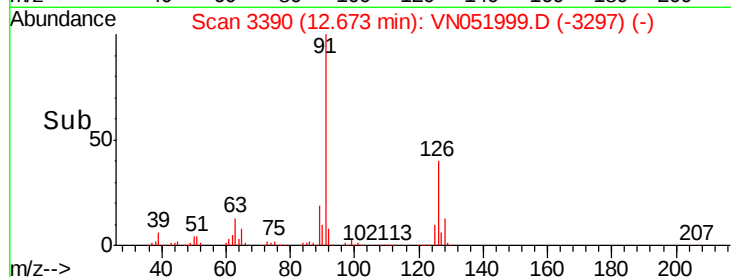
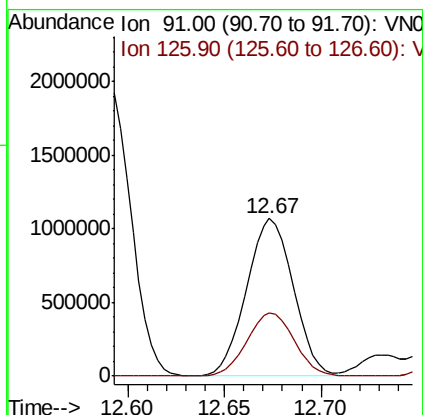
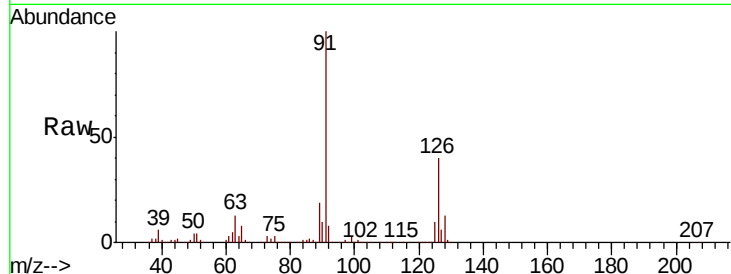




#79  
 2-Chlorotoluene  
 Concen: 52.268 ug/l  
 RT: 12.67 min Scan# 3390  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

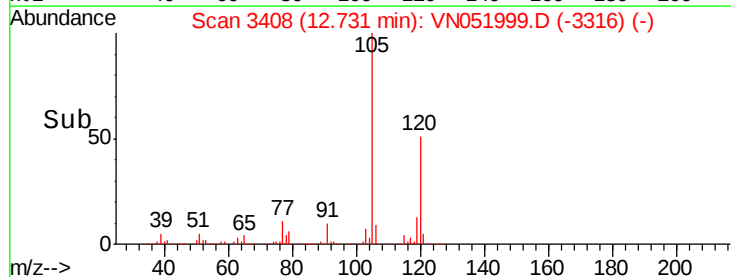
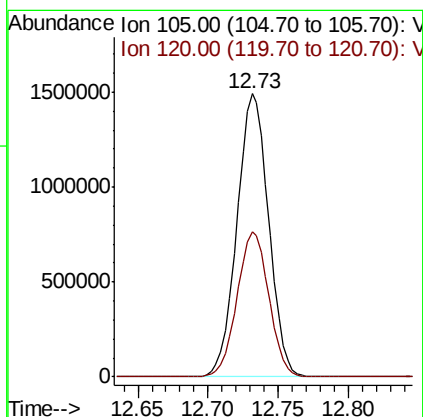
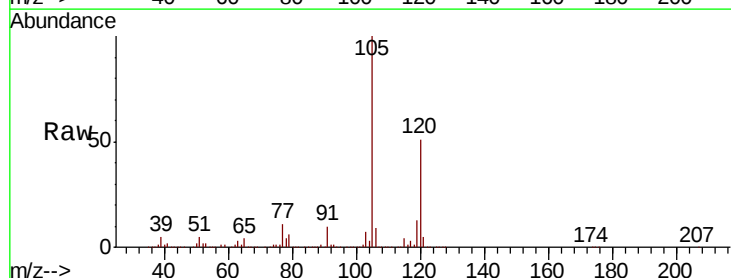
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

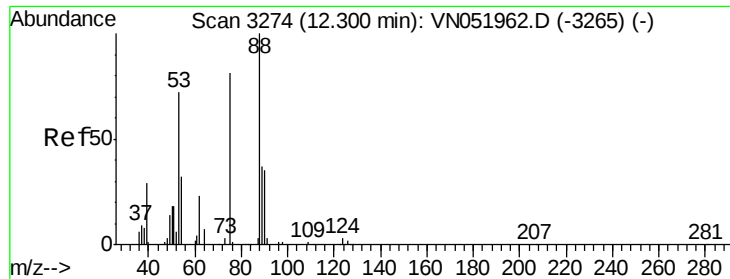
Tot Ion: 91 Resp: 1798996  
 Ion Ratio Lower Upper  
 91 100  
 126 40.5 20.1 60.3



#80  
 1,3,5-Trimethylbenzene  
 Concen: 53.264 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Tgt Ion: 105 Resp: 2341332  
 Ion Ratio Lower Upper  
 105 100  
 120 51.4 25.7 77.1

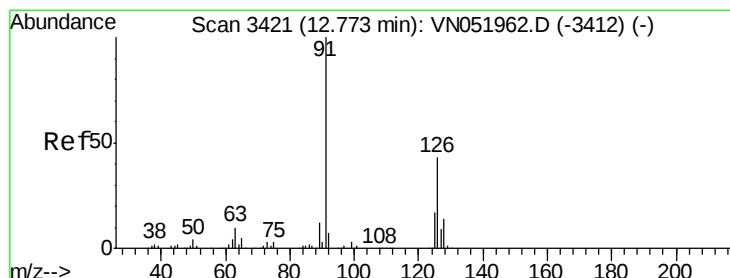
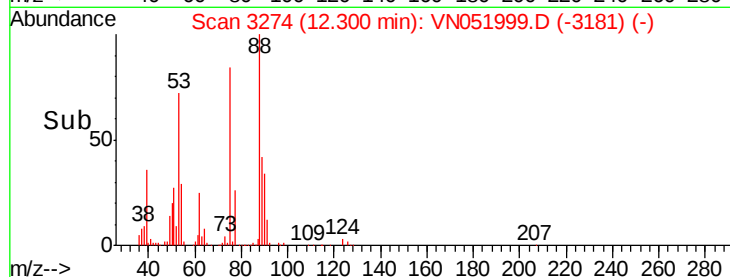
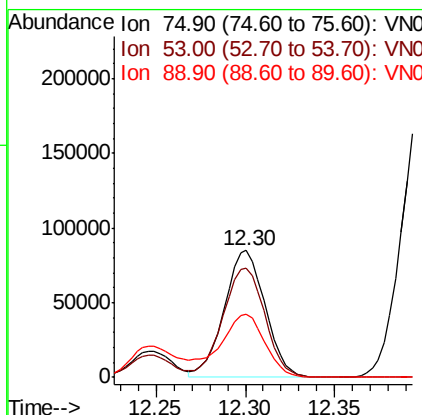
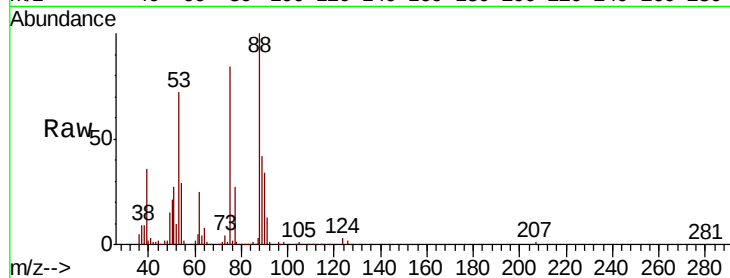




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.256 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

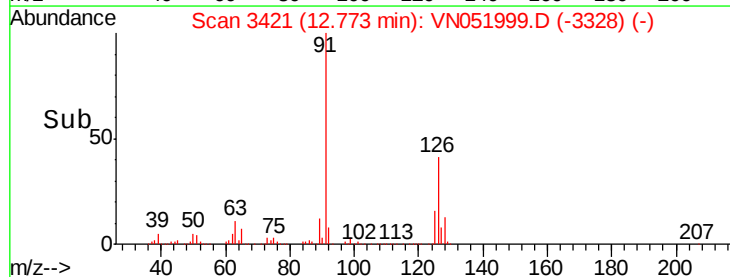
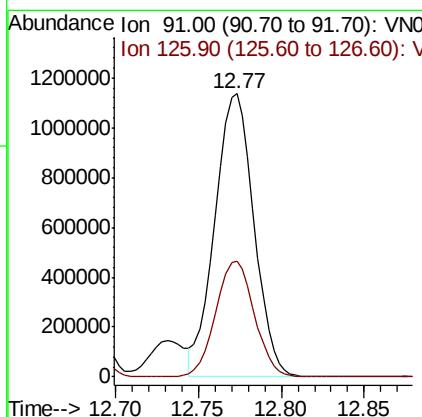
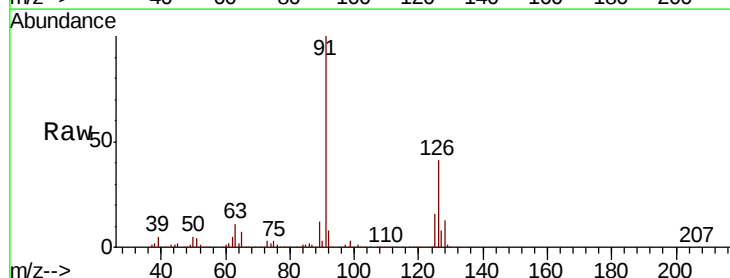
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

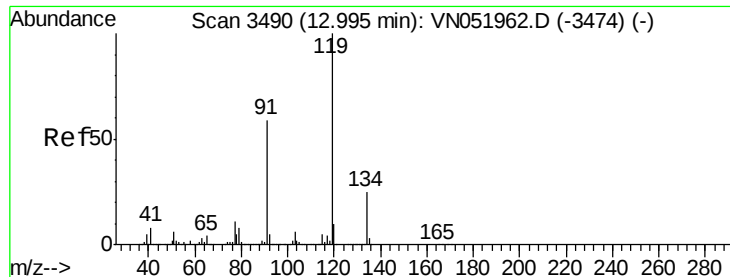
Tot Ion: 75 Resp: 136279  
Ion Ratio Lower Upper  
75 100  
53 88.3 73.5 110.3  
89 51.6 41.6 62.4



#82  
4-Chlorotoluene  
Concen: 52.147 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion: 91 Resp: 1858278  
Ion Ratio Lower Upper  
91 100  
126 40.4 19.7 59.0





#83

tert-Butylbenzene

Concen: 52.082 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

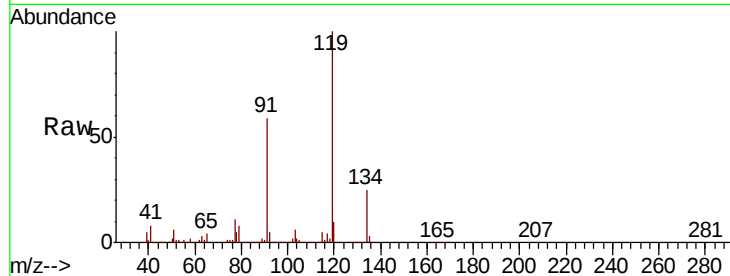
Tot Ion:119 Resp: 2165314

Ion Ratio Lower Upper

119 100

91 58.1 28.8 86.4

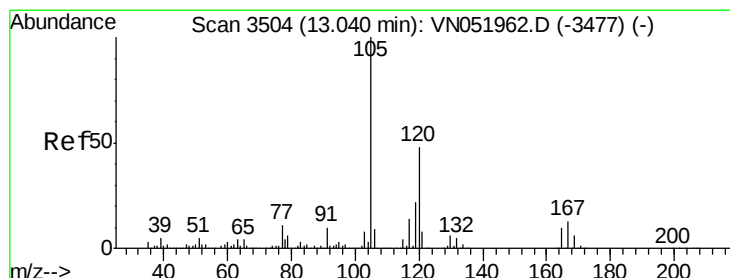
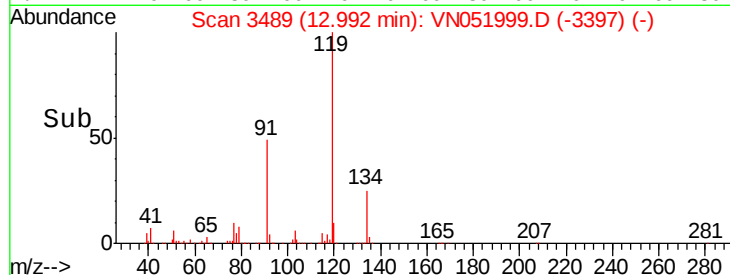
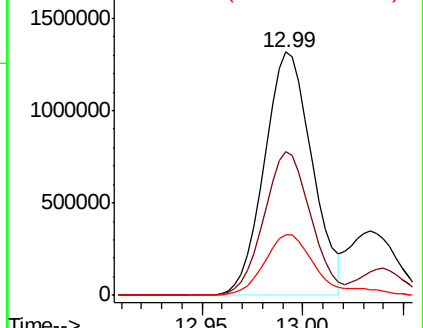
134 27.3 13.4 40.1



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: 51.846 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051999.D

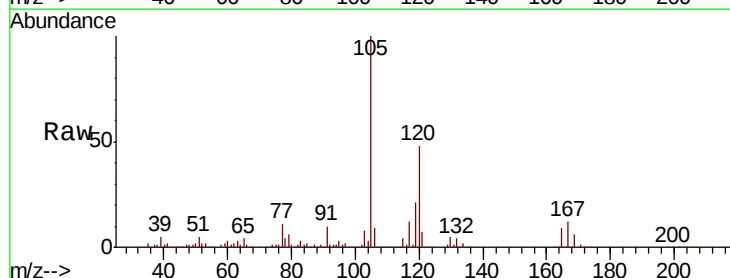
Acq: 25 Oct 2018 8:41

Tgt Ion:105 Resp: 2350794

Ion Ratio Lower Upper

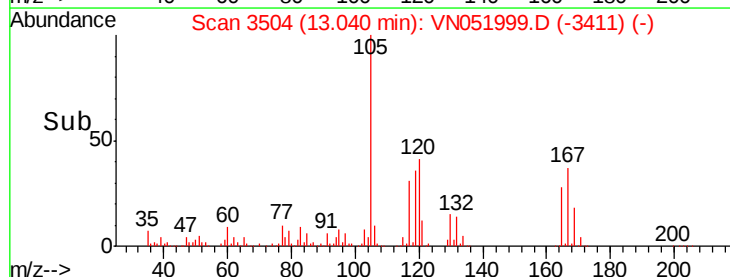
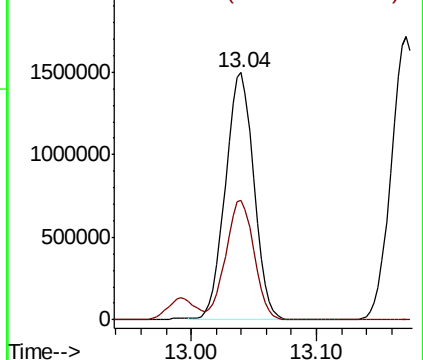
105 100

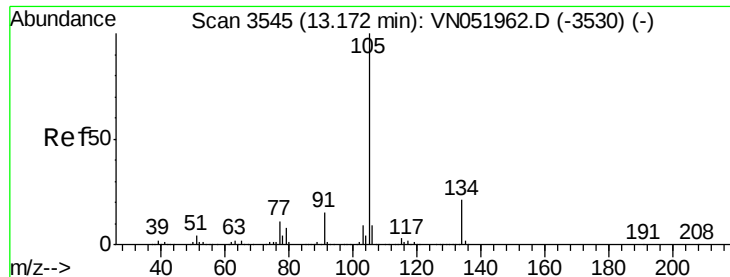
120 48.2 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.017 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

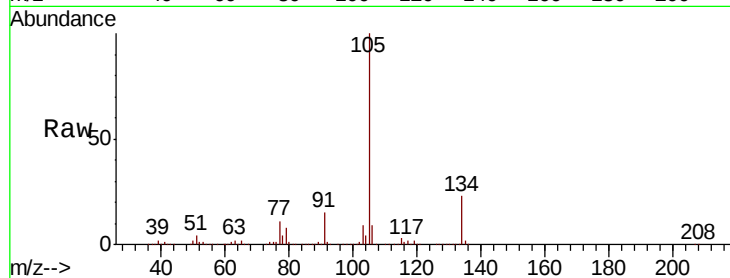
VSTDCCC050

Tot Ion:105 Resp: 2770174

Ion Ratio Lower Upper

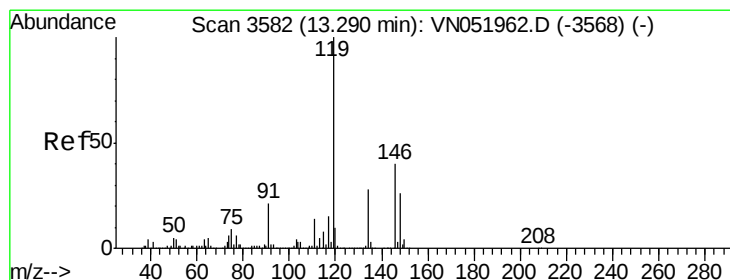
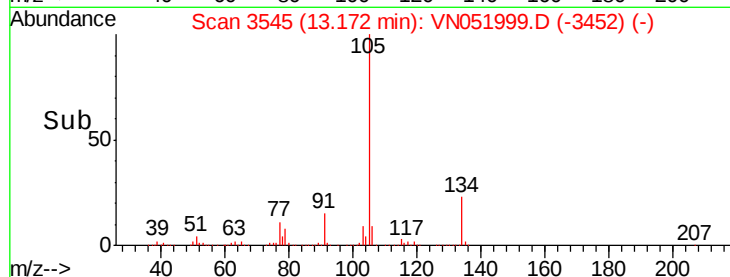
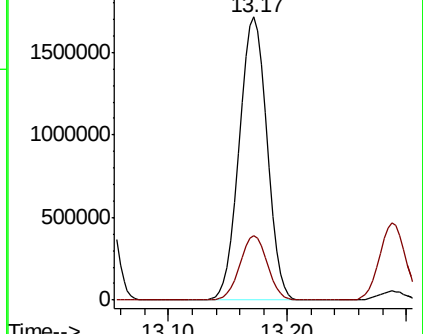
105 100

134 22.4 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.119 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

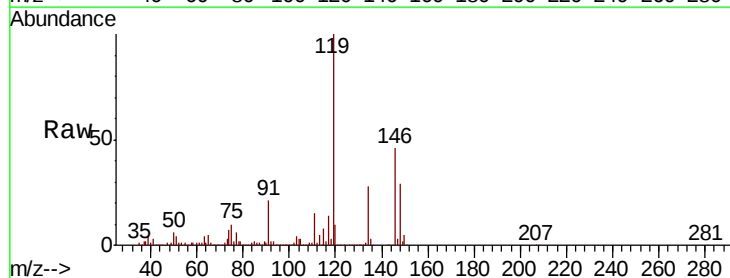
Tgt Ion:119 Resp: 2547897

Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

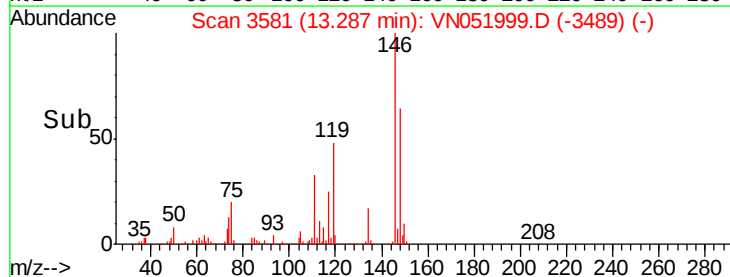
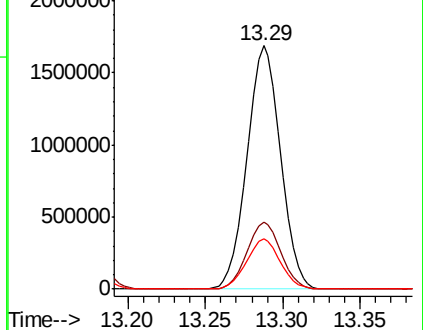
91 20.6 10.6 31.8

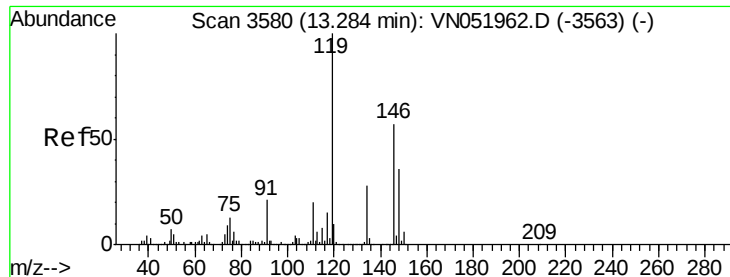


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

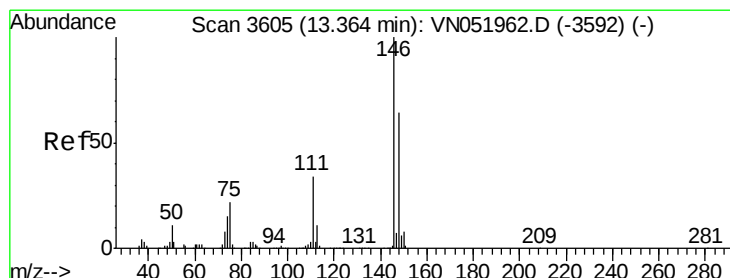
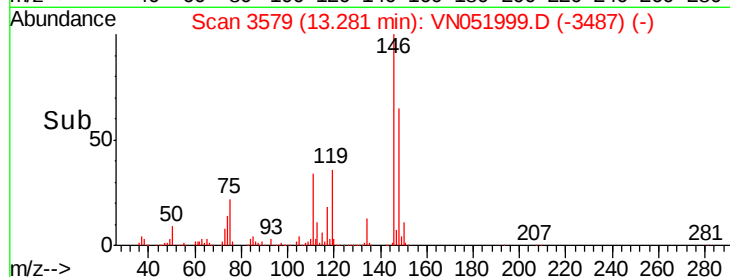
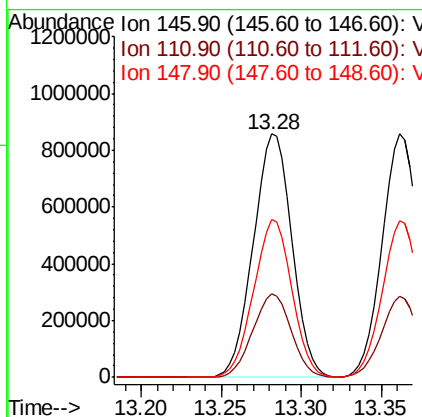
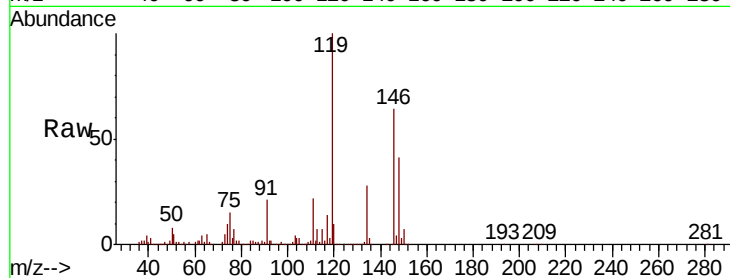




#87  
 1,3-Dichlorobenzene  
 Concen: 51.114 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

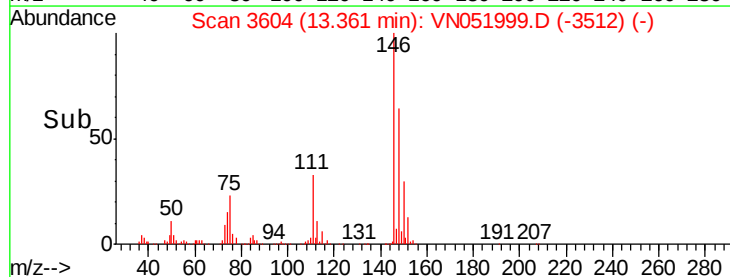
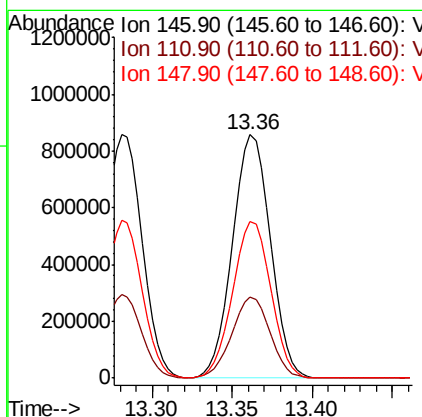
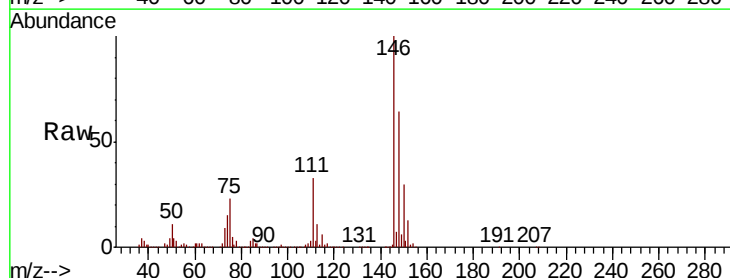
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

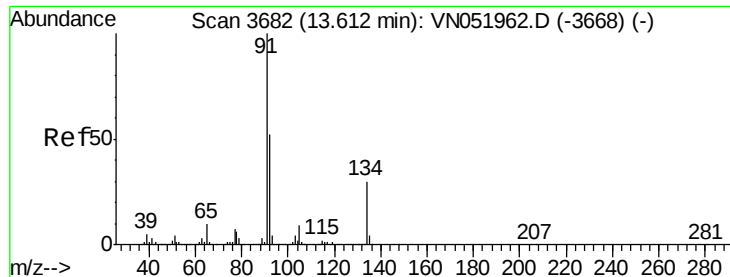
Tot Ion:146 Resp: 1425460  
 Ion Ratio Lower Upper  
 146 100  
 111 33.9 17.6 52.8  
 148 64.0 32.0 96.0



#88  
 1,4-Dichlorobenzene  
 Concen: 50.384 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. -0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Tgt Ion:146 Resp: 1385259  
 Ion Ratio Lower Upper  
 146 100  
 111 33.5 17.3 51.7  
 148 64.6 32.1 96.3

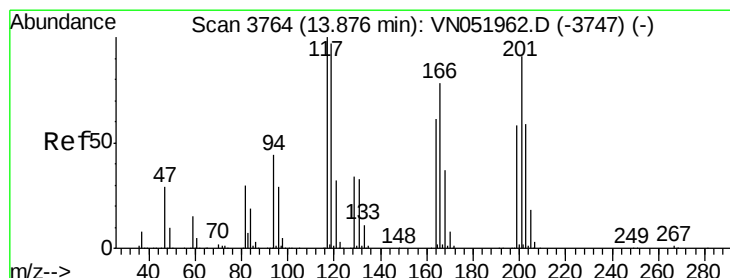
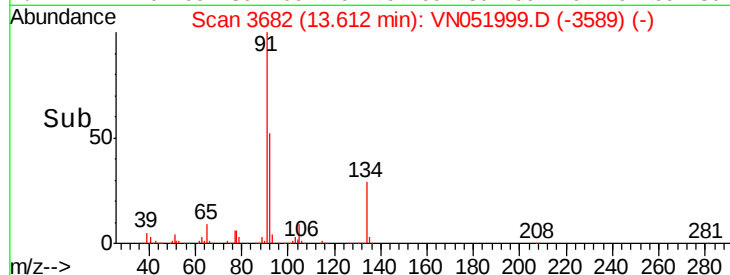
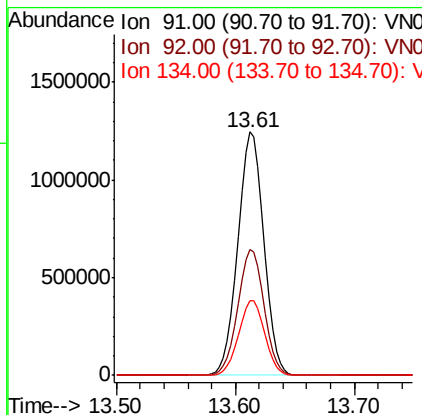
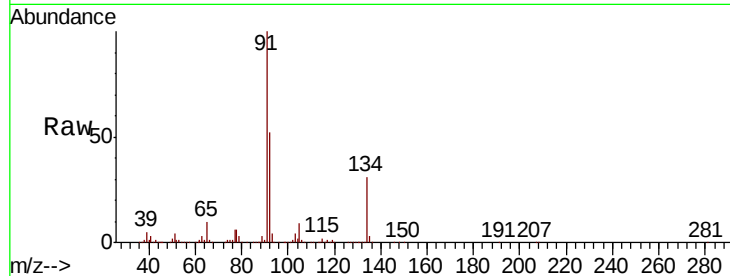




#89  
n-Butylbenzene  
Concen: 48.387 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

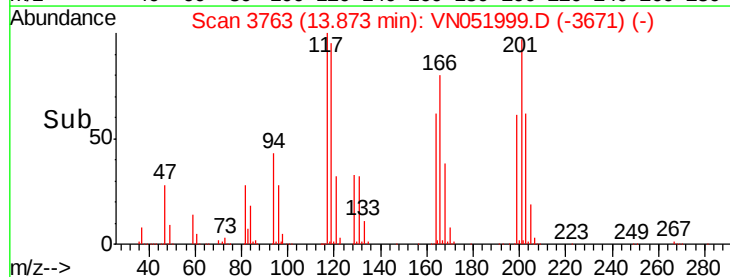
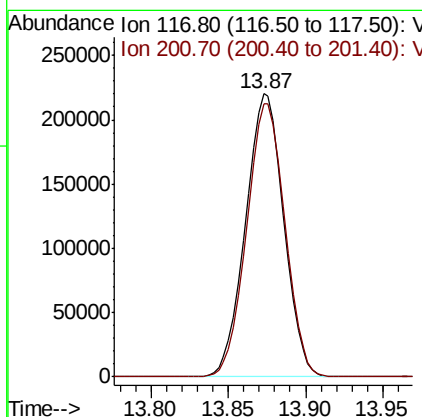
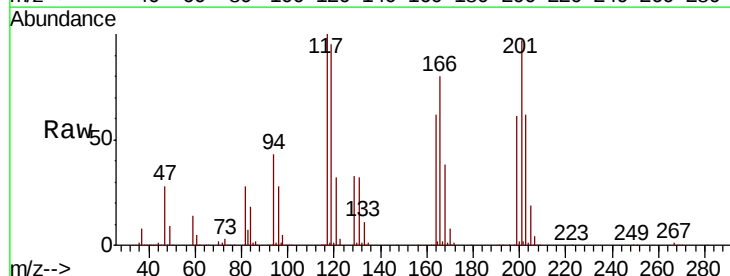
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

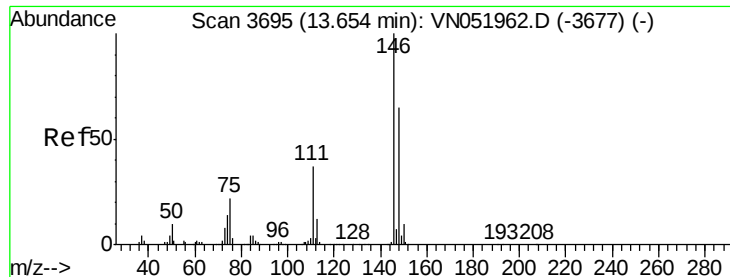
Tot Ion: 91 Resp: 1883531  
Ion Ratio Lower Upper  
91 100  
92 52.0 25.9 77.8  
134 31.0 15.2 45.6



#90  
Hexachloroethane  
Concen: 51.993 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN051999.D  
Acq: 25 Oct 2018 8:41

Tgt Ion: 117 Resp: 378668  
Ion Ratio Lower Upper  
117 100  
201 96.5 45.6 136.9





#91

1,2-Dichlorobenzene

Concen: 47.246 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

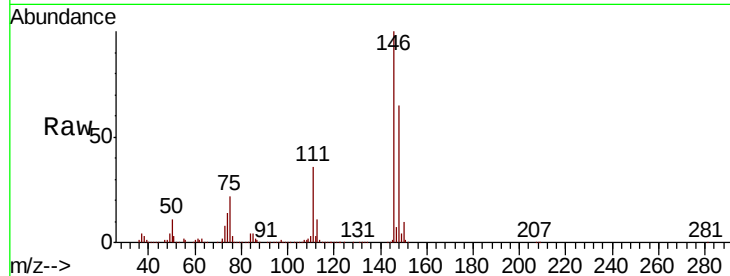
Tot Ion:146 Resp: 1274637

Ion Ratio Lower Upper

146 100

111 35.5 18.3 54.9

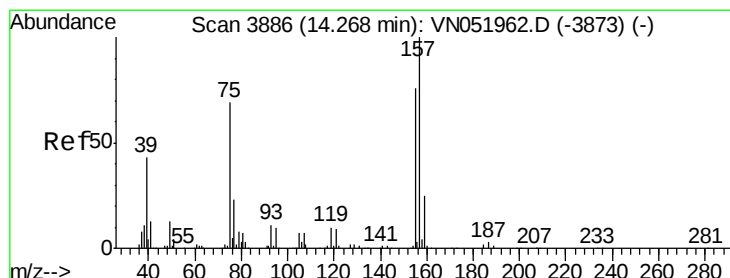
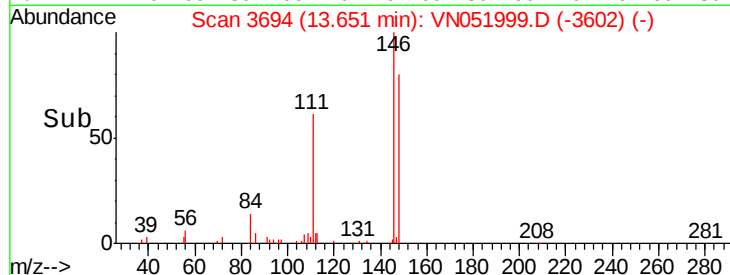
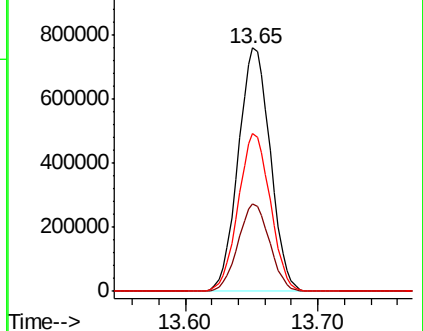
148 64.8 32.4 97.0



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: 31.003 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

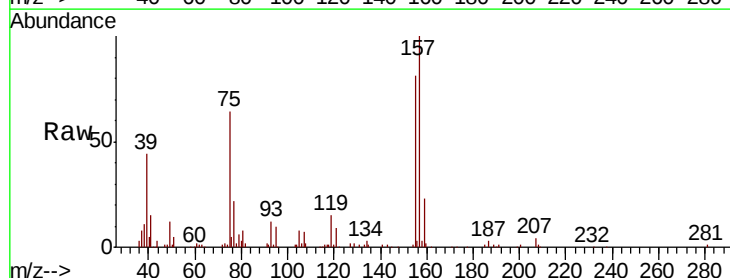
Tgt Ion: 75 Resp: 53890

Ion Ratio Lower Upper

75 100

155 125.8 56.0 167.9

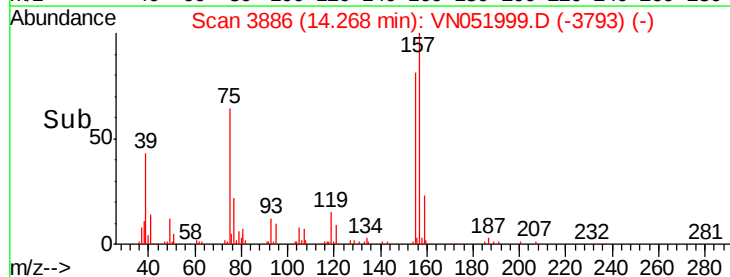
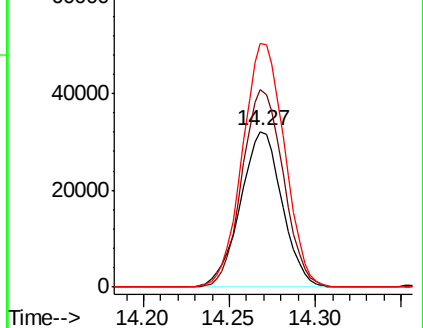
157 158.6 73.9 221.6

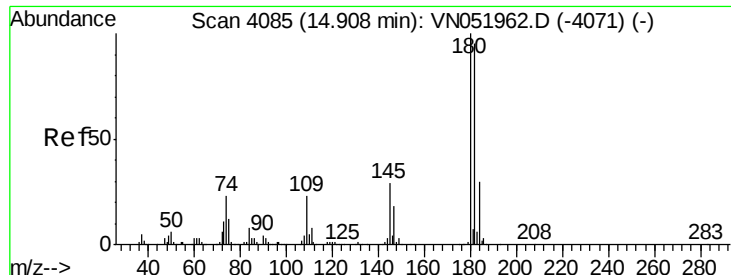


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

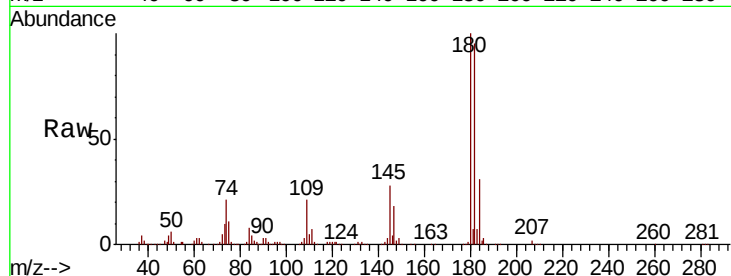




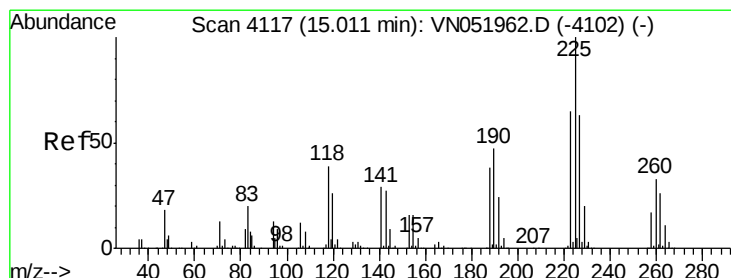
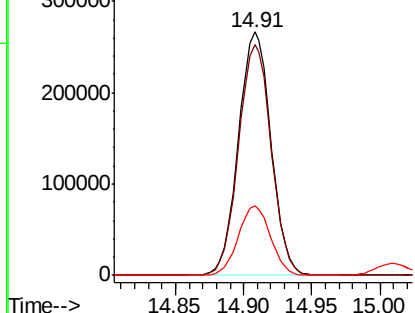
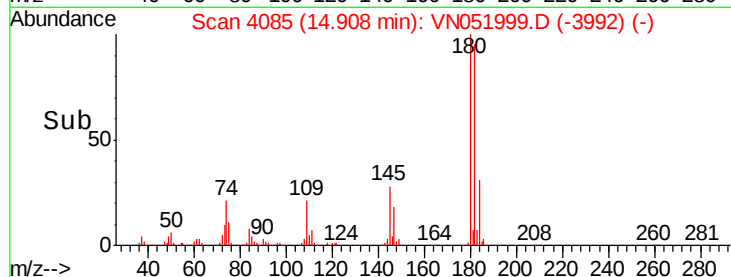
#93  
 1,2,4-Trichlorobenzene  
 Concen: 27.650 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:180 Resp: 440642  
 Ion Ratio Lower Upper  
 180 100  
 182 95.4 47.8 143.4  
 145 28.4 14.5 43.5

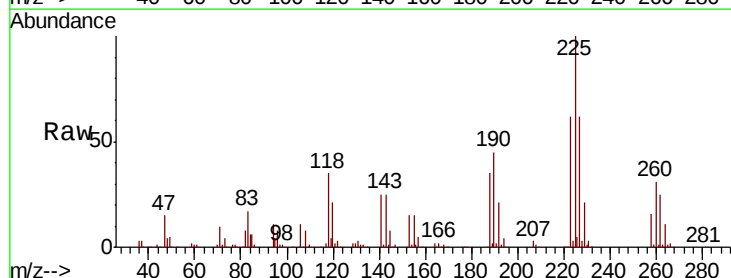


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

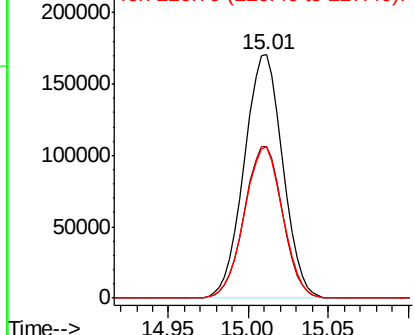
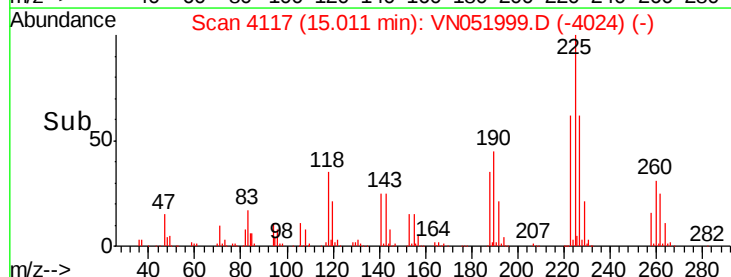


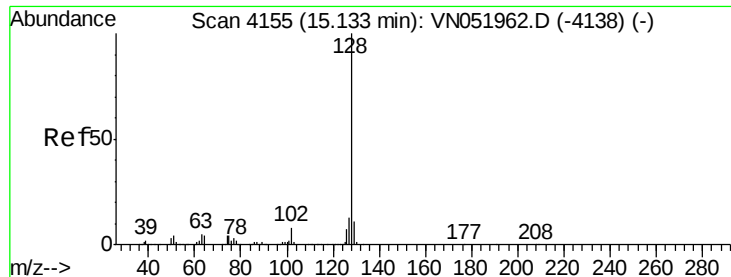
#94  
 Hexachlorobutadiene  
 Concen: 34.269 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN051999.D  
 Acq: 25 Oct 2018 8:41

Tgt Ion:225 Resp: 280619  
 Ion Ratio Lower Upper  
 225 100  
 223 62.1 31.8 95.4  
 227 61.7 31.4 94.2



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





#95

Naphthalene

Concen: 23.337 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

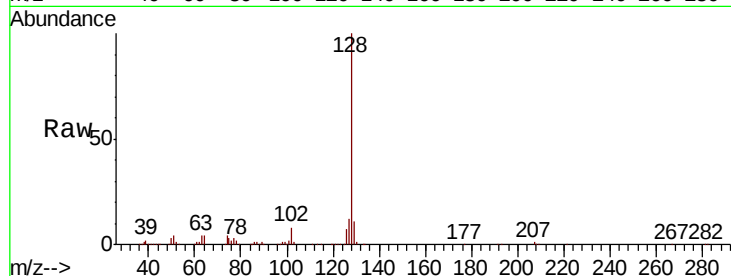
Tot Ion:128 Resp: 807701

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.8 8.6 13.0

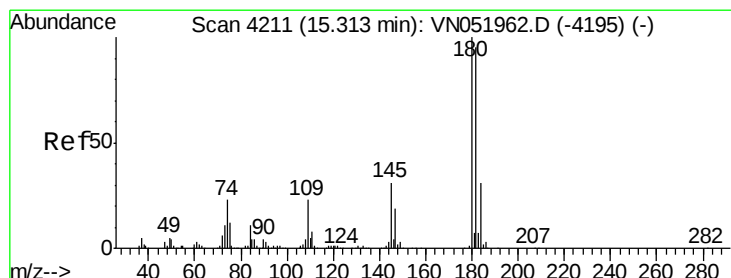
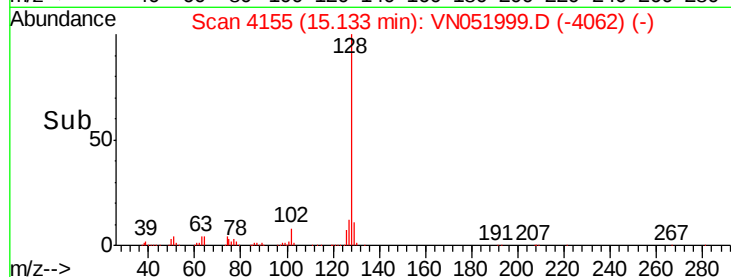
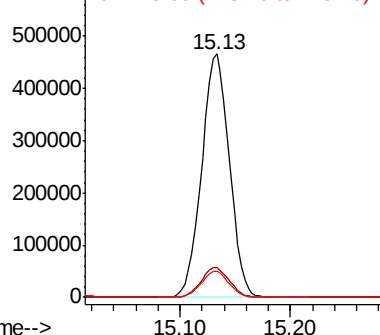


Abundance

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: 21.500 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

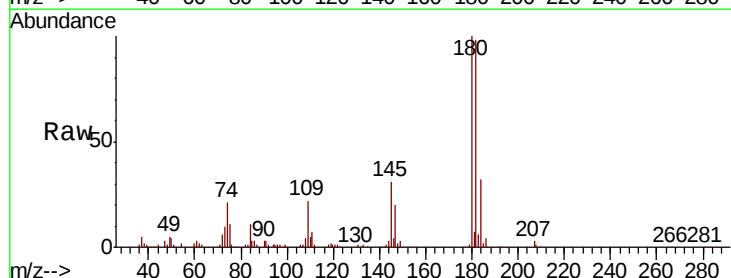
Tgt Ion:180 Resp: 327508

Ion Ratio Lower Upper

180 100

182 98.5 47.9 143.6

145 31.6 15.4 46.2



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

