

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\  
 Data File : VN053586.D  
 Acq On : 4 Feb 2019 10:09  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Feb 05 01:23:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 708128   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1018008  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 909183   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 451534   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 347607   | 48.93 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.86%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 336697   | 52.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.68% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1238518  | 51.28 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.56% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 423368   | 52.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.12% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 390391  | 48.909  | ug/l | 100    |
| 3) Chloromethane              | 2.06 | 50  | 400237  | 47.608  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 390903  | 47.899  | ug/l | 100    |
| 5) Bromomethane               | 2.57 | 94  | 253241  | 47.459  | ug/l | 98     |
| 6) Chloroethane               | 2.71 | 64  | 224866  | 48.217  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 537768  | 48.593  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 182995  | 45.277  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 336531  | 49.169  | ug/l | 98     |
| 10) Methyl Iodide             | 3.96 | 142 | 500544  | 46.594  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.78 | 59  | 94457   | 224.670 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 315714  | 48.146  | ug/l | 98     |
| 13) Acrolein                  | 3.61 | 56  | 161809  | 706.886 | ug/l | 99     |
| 14) Allyl chloride            | 4.32 | 41  | 497885  | 47.686  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 535360  | 235.876 | ug/l | 100    |
| 16) Acetone                   | 3.81 | 43  | 499146  | 273.930 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.06 | 76  | 955737  | 46.807  | ug/l | 100    |
| 18) Methyl Acetate            | 4.32 | 43  | 235693  | 43.676  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 781433  | 47.008  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 352428  | 46.101  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 332583  | 47.011  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.95 | 45  | 952400  | 49.230  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.90 | 43  | 3199899 | 239.097 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 612169  | 47.442  | ug/l | 99     |
| 25) 2-Butanone                | 6.83 | 43  | 625349  | 240.629 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 473468  | 48.067  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 374747  | 47.637  | ug/l | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 280264  | 50.050  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 381564  | 228.649 | ug/l | 98     |
| 30) Chloroform                | 7.37 | 83  | 604522  | 47.260  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 567435  | 47.222  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 512690  | 48.162  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 467899  | 50.988  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.92 | 43  | 244448  | 47.695  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 462575  | 50.038  | ug/l | 98     |

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 ClientSampleId :  
 VSTDCCC050

Quant Time: Feb 05 01:23:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 585139   | 53.746  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 1409784  | 49.818  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.21  | 41   | 368615   | 128.685 | ug/l # | 20       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 417816   | 49.725  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 447566   | 45.218  | ug/l # | 90       |
| 44) Trichloroethene            | 8.83  | 130  | 400552   | 49.718  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 366156   | 50.588  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 215226   | 49.327  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 459608   | 50.663  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 212493   | 44.975  | ug/l   | 91       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 64740    | 947.776 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1191727  | 245.017 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 855370   | 50.930  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 462169   | 50.876  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 544309   | 50.564  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 304504   | 50.315  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 352734   | 49.268  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 507500   | 49.066  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 981551   | 221.991 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 805365   | 243.907 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 353397   | 51.782  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 289457   | 48.323  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 388208   | 49.811  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.44 | 112  | 947561   | 49.066  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 336631   | 49.912  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 1600416  | 50.449  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1262198  | 104.247 | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 601123   | 51.390  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 991990   | 52.322  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 239560   | 51.809  | ug/l   | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1583741  | 49.894  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 357940   | 46.894  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 342229   | 45.050  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 423994   | 73.106  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 418134   | 48.877  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 1877078  | 51.154  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 1086698  | 49.917  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1373973  | 52.199  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 98075    | 47.551  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1126617  | 50.433  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1184679  | 50.923  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1396724  | 52.083  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1635087  | 51.649  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1469904  | 53.089  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 765090   | 49.751  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 747380   | 49.130  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1284580  | 53.602  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 236284   | 51.738  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 727607   | 49.421  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 50235    | 46.399  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Feb 05 01:23:23 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 01 09:11:52 2019  
Response via : Initial Calibration

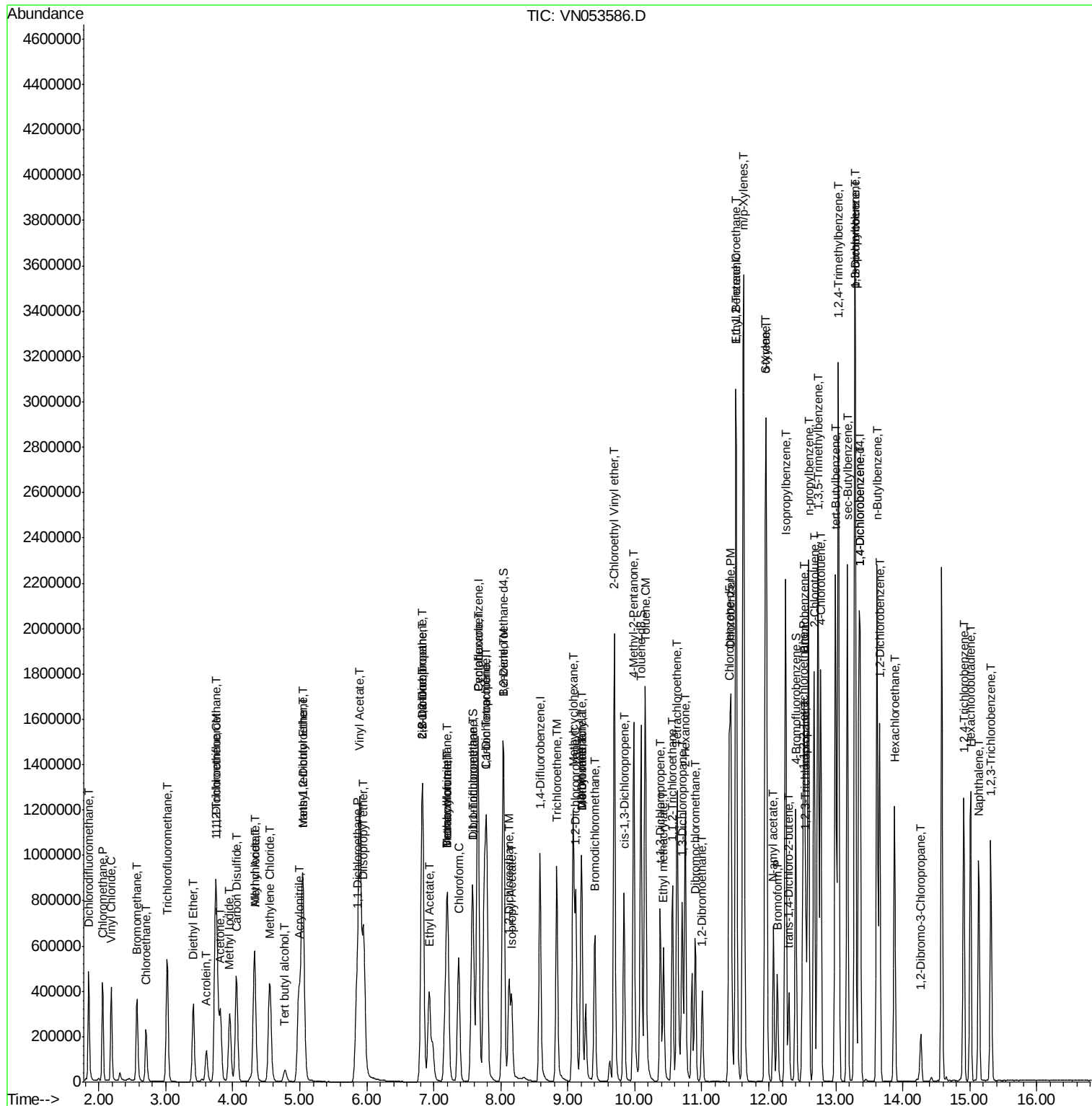
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 445827   | 52.799 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 281978   | 53.623 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 868027   | 43.979 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 397456   | 50.730 | ug/l  | 100      |

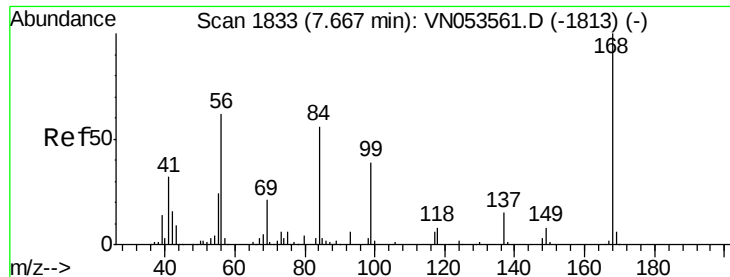
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020419\  
Data File : VN053586.D  
Acq On : 4 Feb 2019 10:09  
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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
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VSTDCCC050

Quant Time: Feb 05 01:23:23 2019  
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QLast Update : Fri Feb 01 09:11:52 2019  
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: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

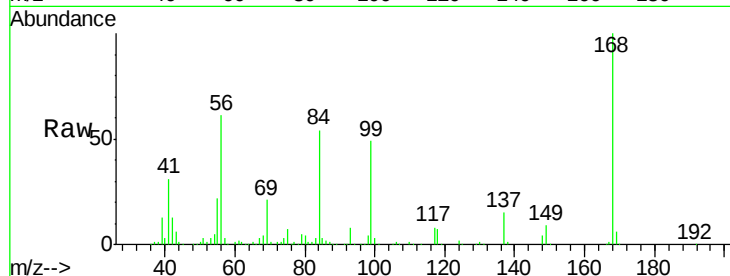
VSTDCCC050

Tot Ion:168 Resp: 708128

Ion Ratio Lower Upper

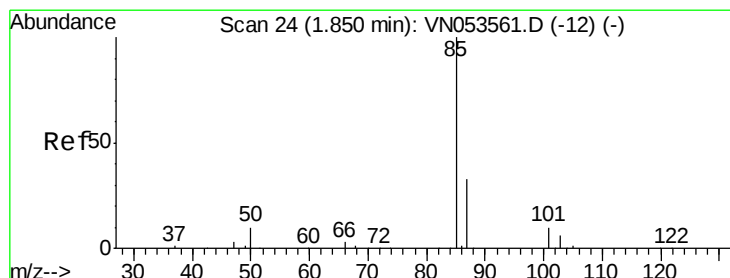
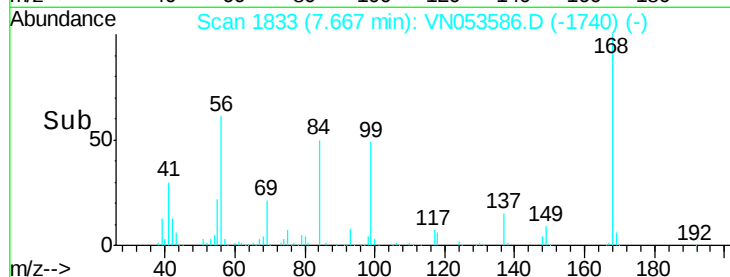
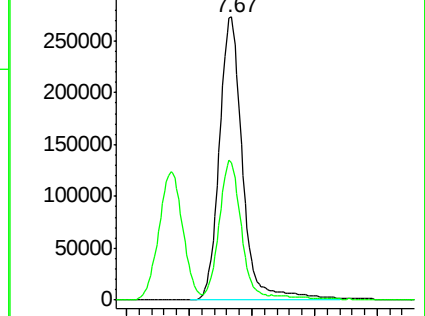
168 100

99 48.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.909 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053586.D

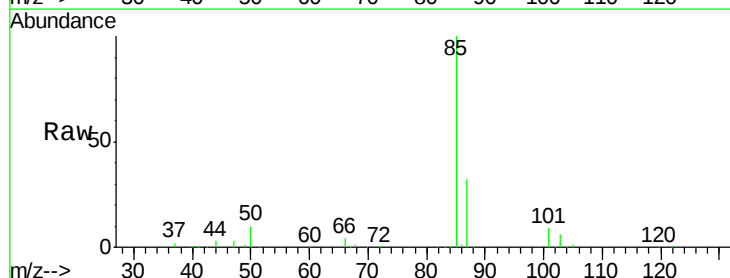
Acq: 4 Feb 2019 10:09

Tgt Ion: 85 Resp: 390391

Ion Ratio Lower Upper

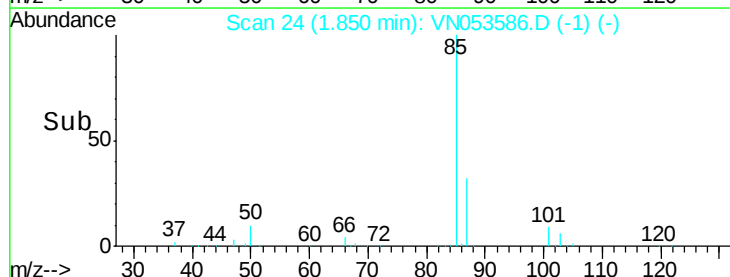
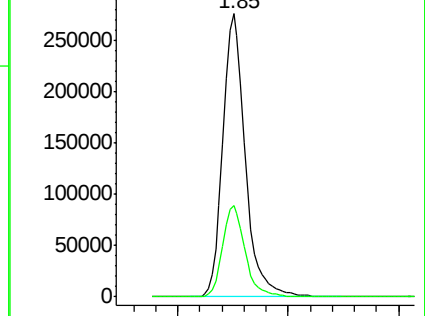
85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

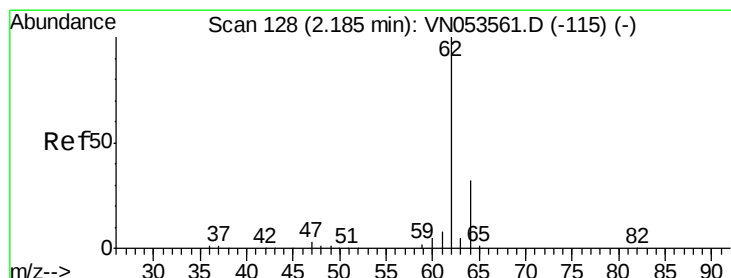
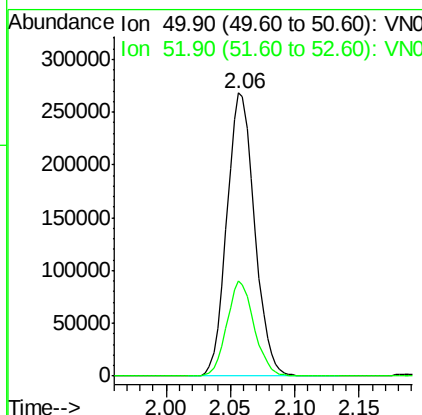
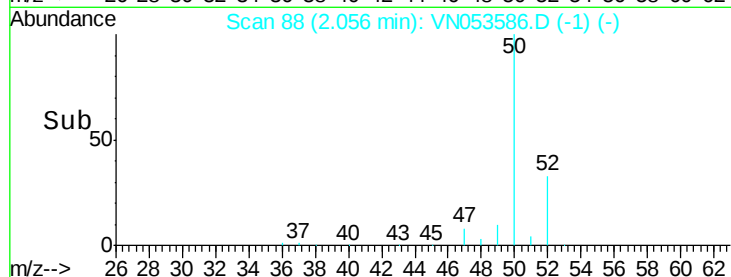
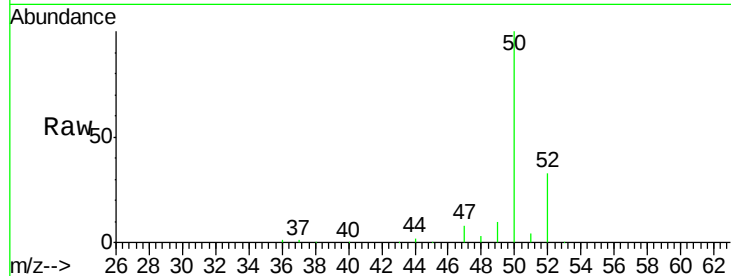




#3  
 Chloromethane  
 Concen: 47.608 ug/l  
 RT: 2.06 min Scan# 88  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

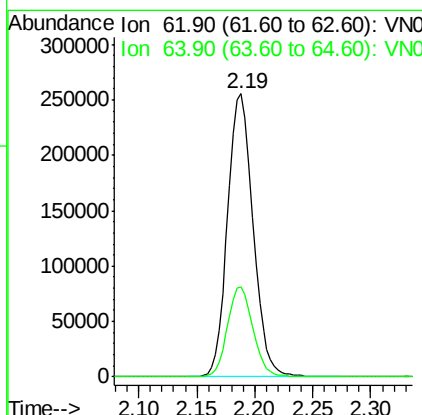
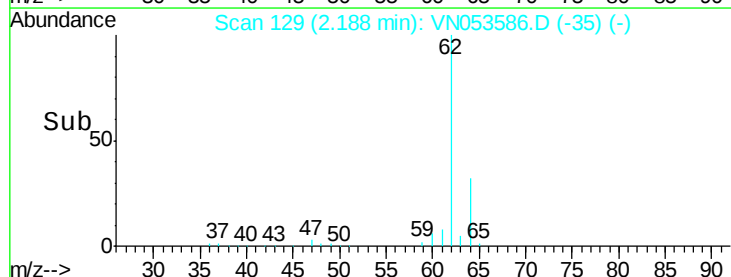
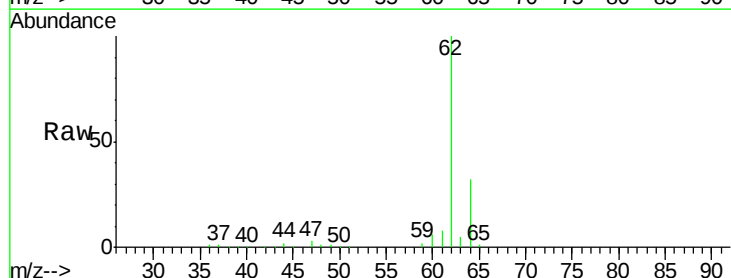
Instrument :  
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 VSTDCCC050

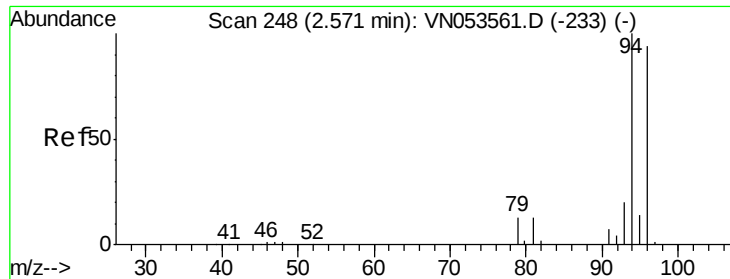
Tot Ion: 50 Resp: 400237  
 Ion Ratio Lower Upper  
 50 100  
 52 33.4 26.6 40.0



#4  
 Vinyl Chloride  
 Concen: 47.899 ug/l  
 RT: 2.19 min Scan# 129  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

Tgt Ion: 62 Resp: 390903  
 Ion Ratio Lower Upper  
 62 100  
 64 32.0 25.4 38.2





#5

Bromomethane

Concen: 47.459 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

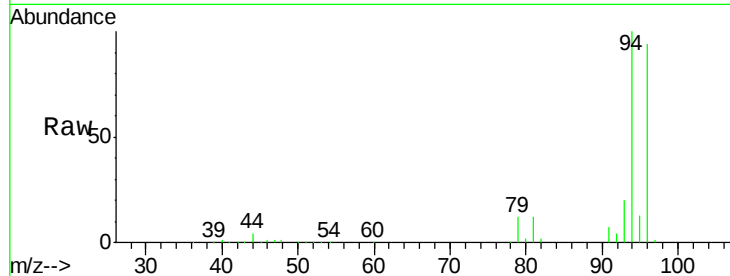
VSTDCCC050

Tot Ion: 94 Resp: 253241

Ion Ratio Lower Upper

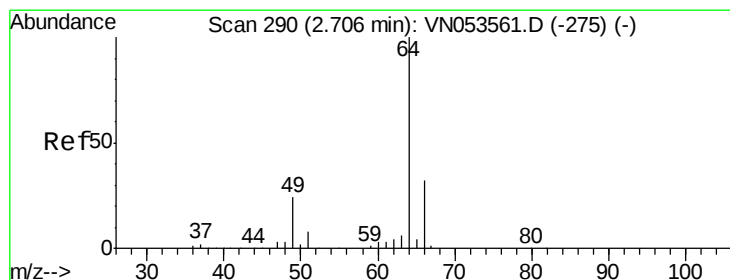
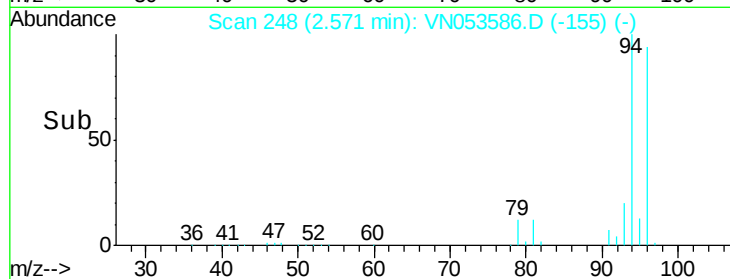
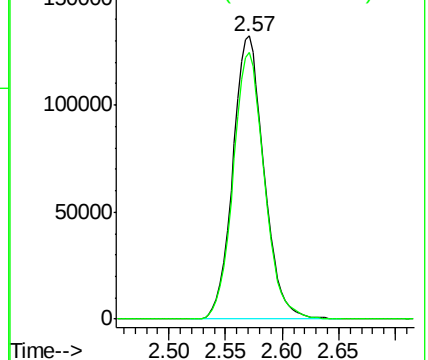
94 100

96 94.0 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.217 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053586.D

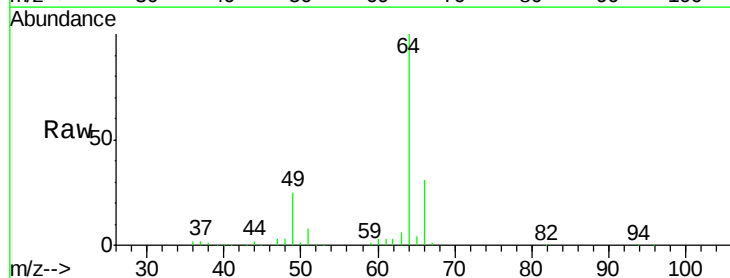
Acq: 4 Feb 2019 10:09

Tgt Ion: 64 Resp: 224866

Ion Ratio Lower Upper

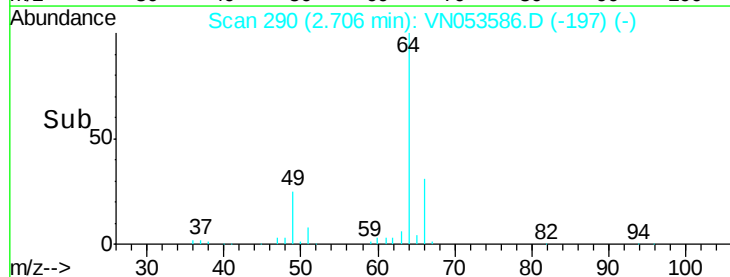
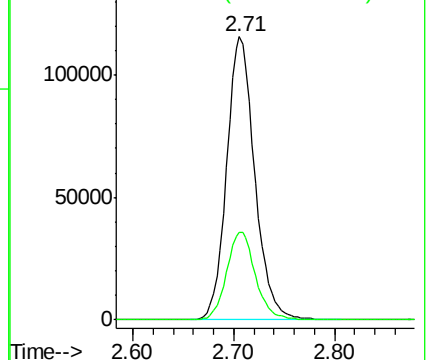
64 100

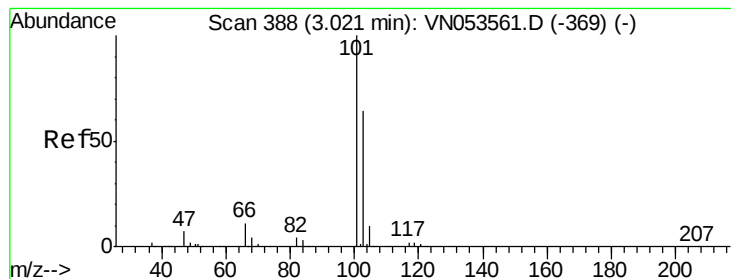
66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



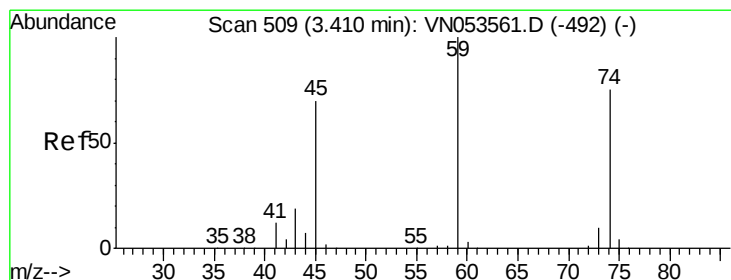
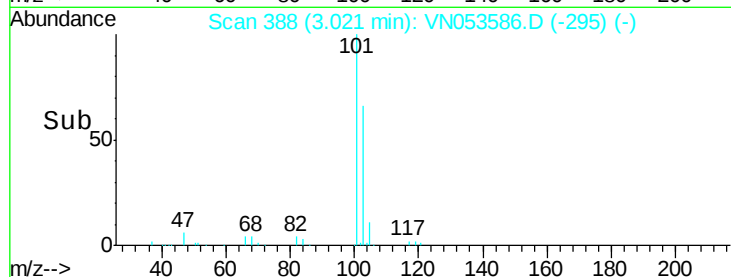
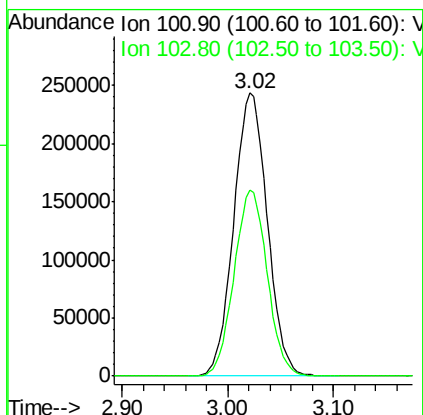
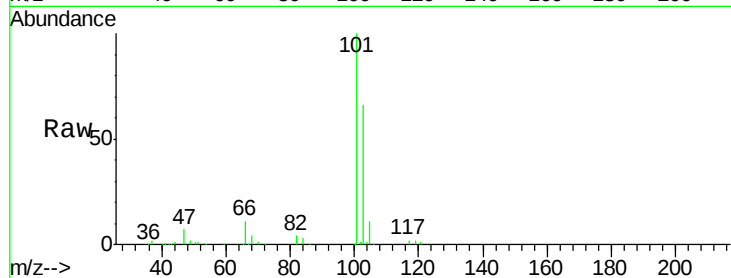


#7

Trichlorofluoromethane  
 Concen: 48.593 ug/l  
 RT: 3.02 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

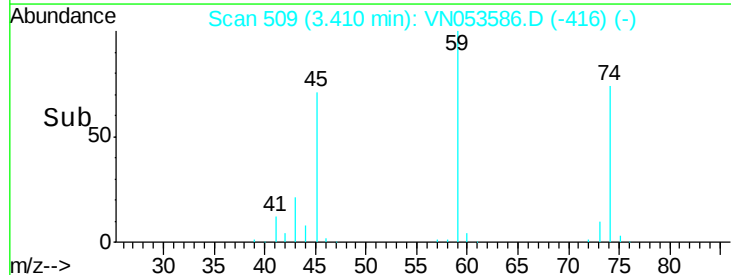
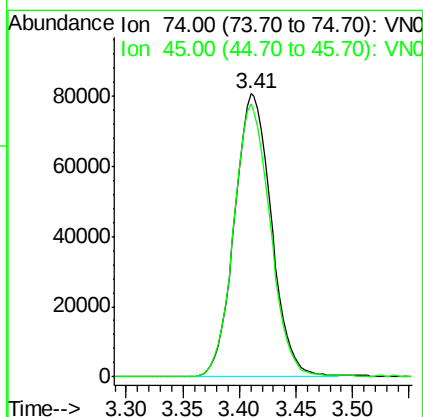
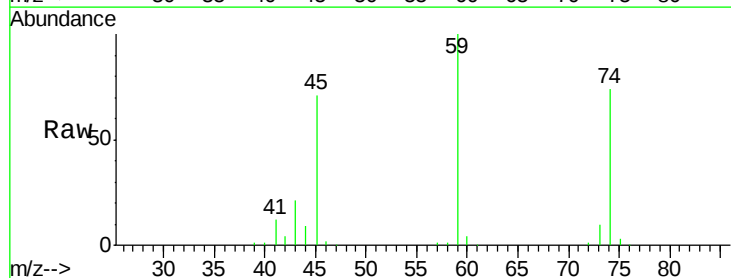
Tot Ion:101 Resp: 537768  
 Ion Ratio Lower Upper  
 101 100  
 103 65.6 51.6 77.4

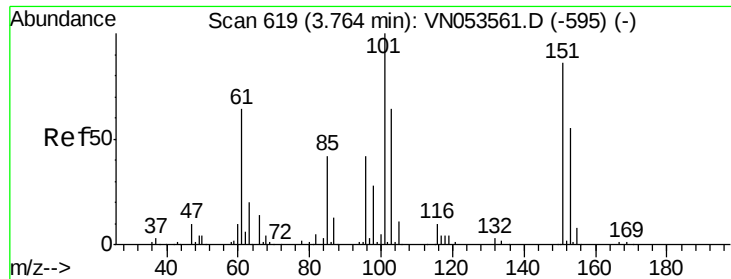


#8

Diethyl Ether  
 Concen: 45.277 ug/l  
 RT: 3.41 min Scan# 509  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

Tgt Ion: 74 Resp: 182995  
 Ion Ratio Lower Upper  
 74 100  
 45 95.6 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.169 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

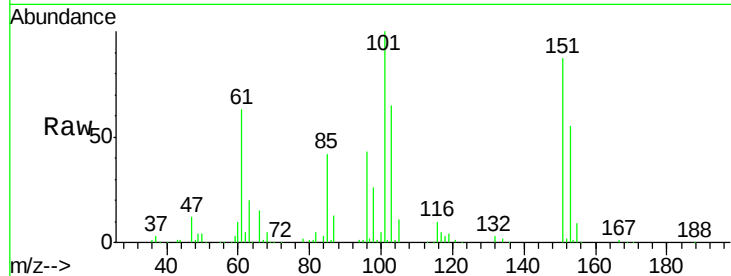
Tot Ion:101 Resp: 336531

Ion Ratio Lower Upper

101 100

85 42.0 32.8 49.2

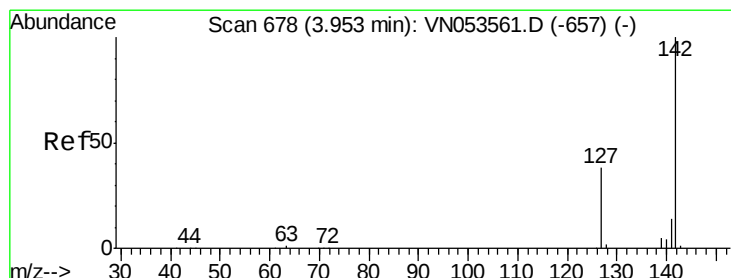
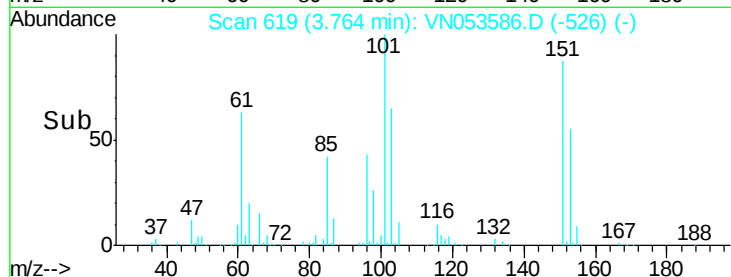
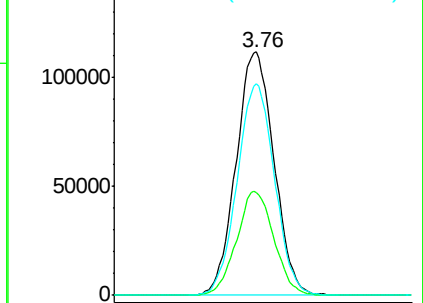
151 85.9 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.594 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

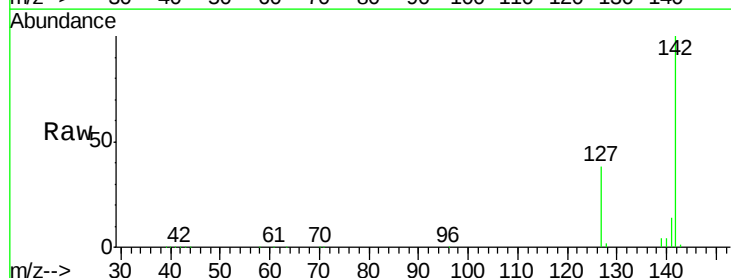
Tgt Ion:142 Resp: 500544

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.4

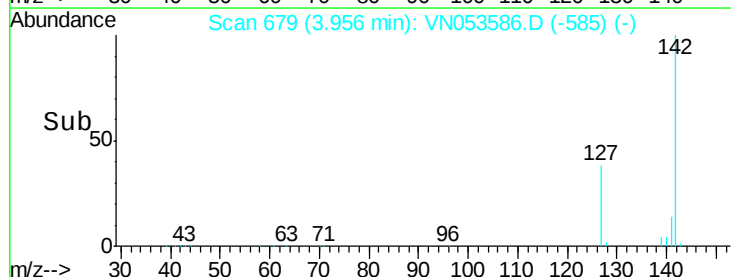
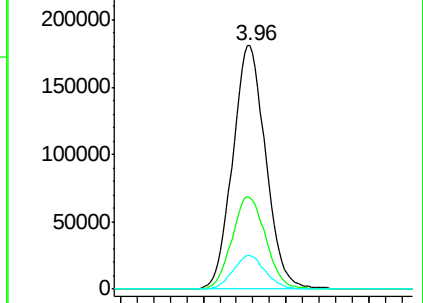
141 13.7 11.1 16.7

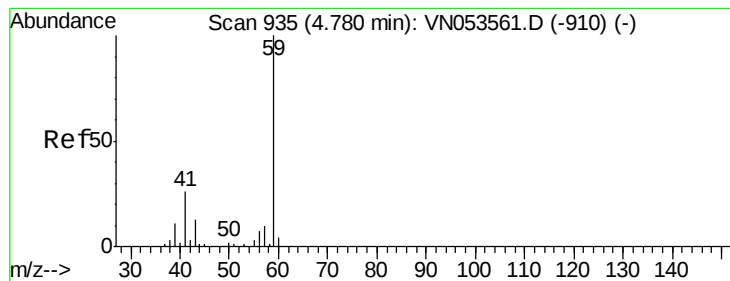


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



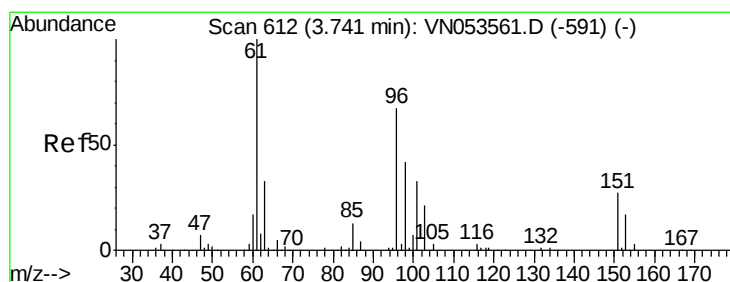
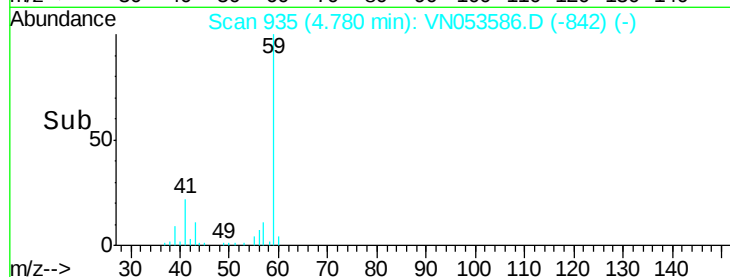
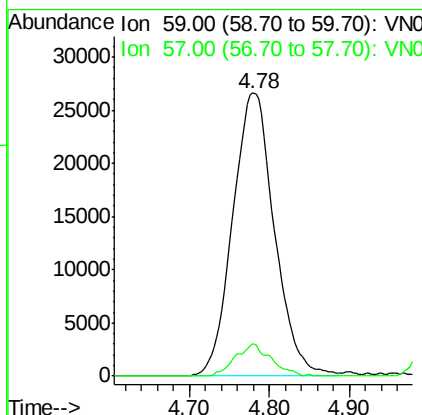
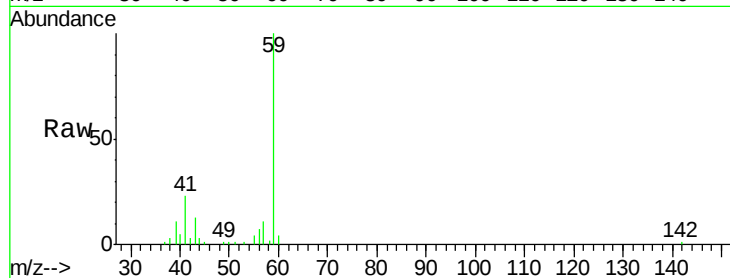


#11

Tert butyl alcohol  
 Concen: 224.670 ug/l  
 RT: 4.78 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

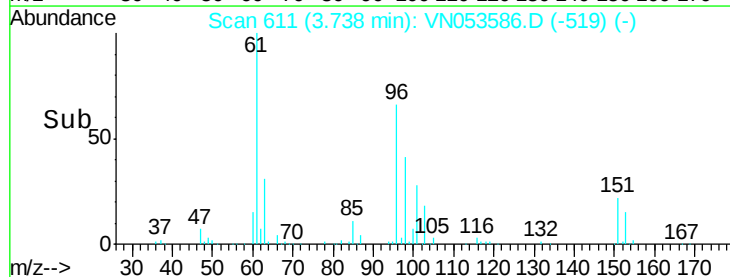
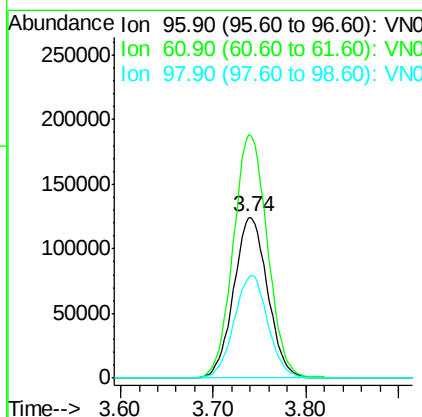
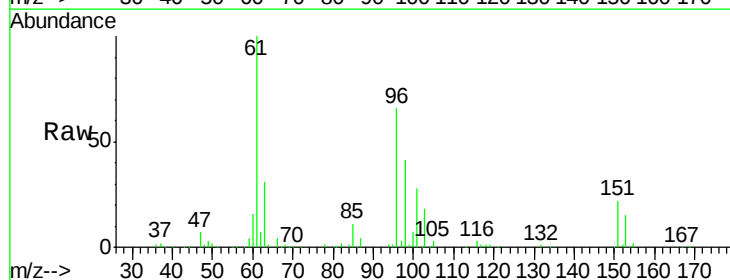
Tot Ion: 59 Resp: 94457  
 Ion Ratio Lower Upper  
 59 100  
 57 9.7 8.2 12.4

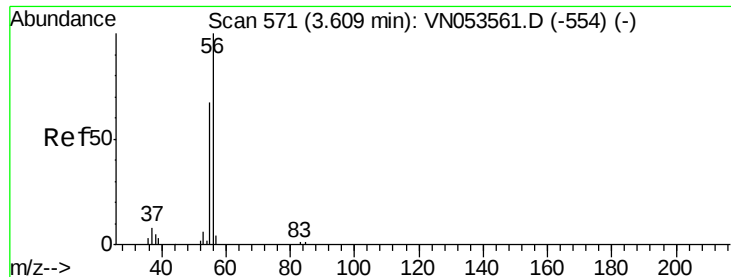


#12

1,1-Dichloroethene  
 Concen: 48.146 ug/l  
 RT: 3.74 min Scan# 611  
 Delta R.T. -0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

Tgt Ion: 96 Resp: 315714  
 Ion Ratio Lower Upper  
 96 100  
 61 151.2 122.9 184.3  
 98 62.6 49.4 74.0





#13

Acrolein

Concen: 706.886 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

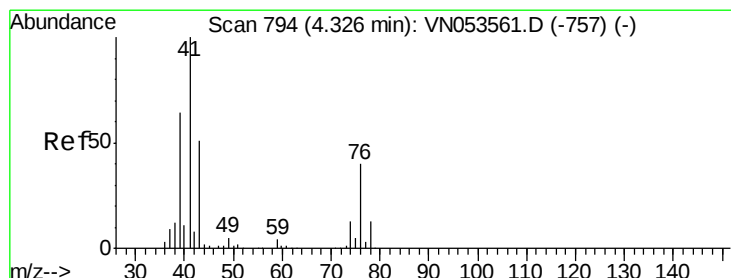
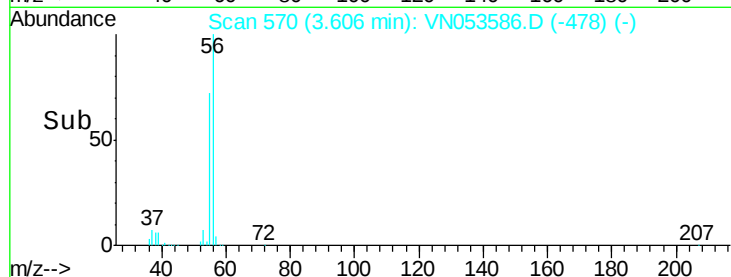
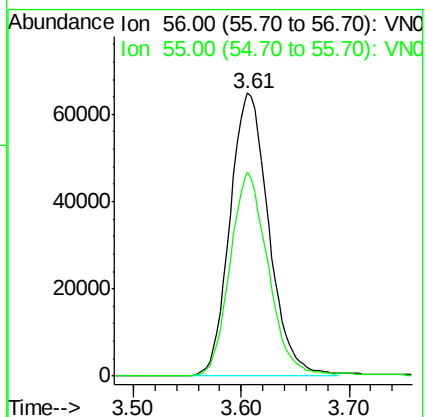
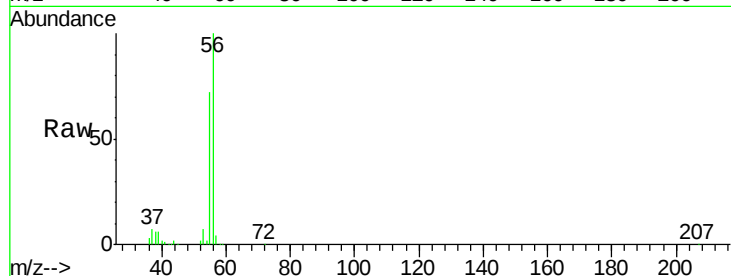
VSTDCCC050

Tot Ion: 56 Resp: 161809

Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.0



#14

Allyl chloride

Concen: 47.686 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

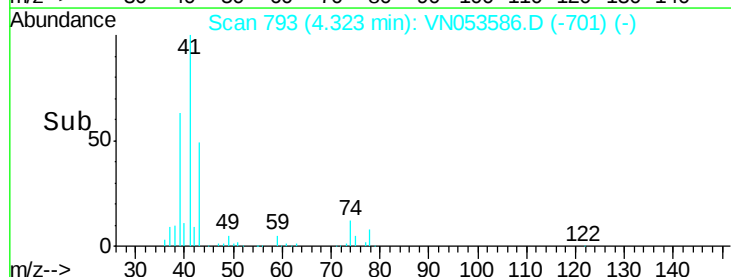
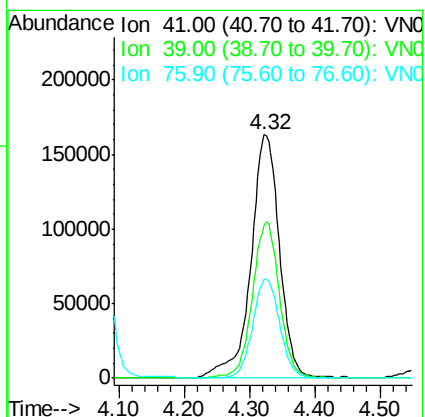
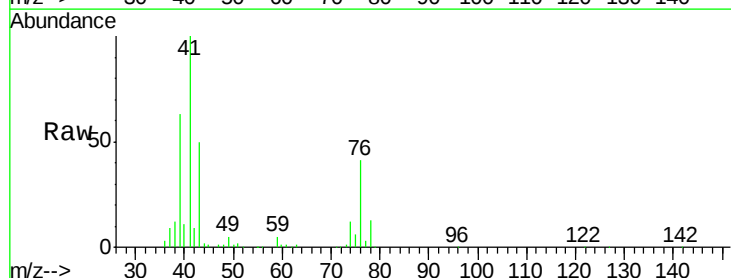
Tgt Ion: 41 Resp: 497885

Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

76 37.9 29.4 44.2





#15

Acrylonitrile

Concen: 235.876 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

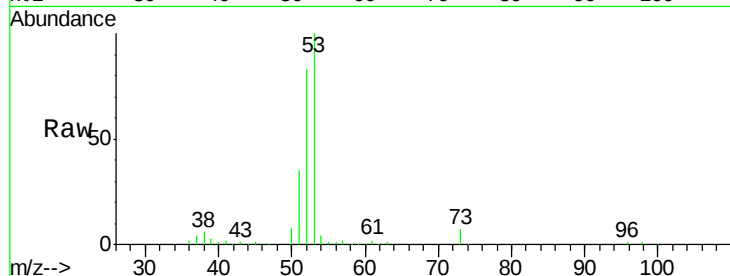
MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 535360

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 82.3  | 66.0  | 99.0  |
| 51  | 35.1  | 28.3  | 42.5  |

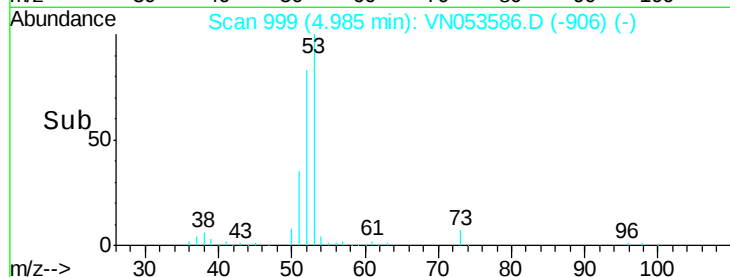


Abundance

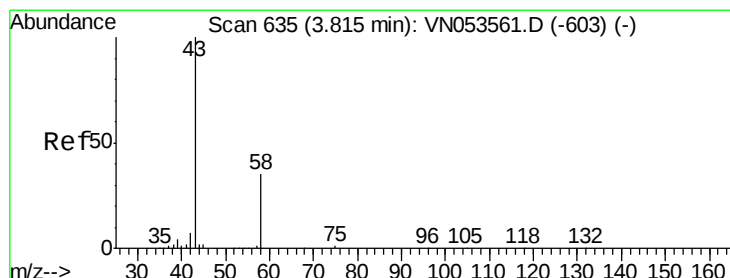
Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



4.99



#16

Acetone

Concen: 273.930 ug/l

RT: 3.81 min Scan# 635

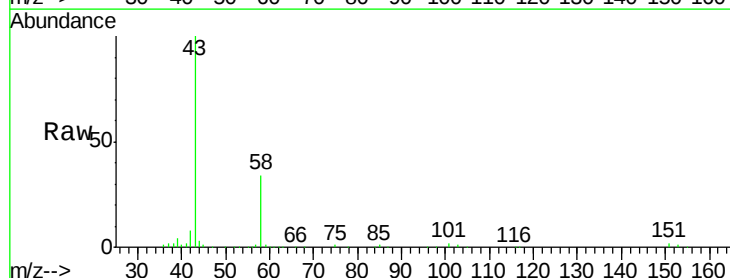
Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Tgt Ion: 43 Resp: 499146

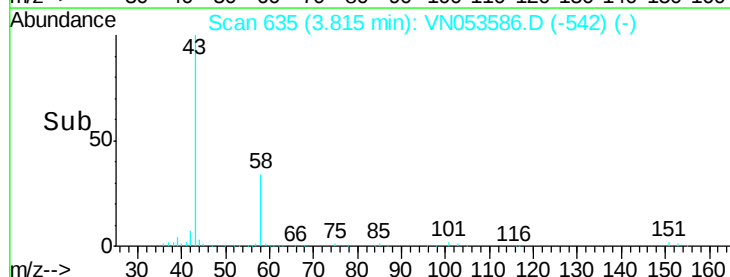
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 34.1  | 27.1  | 40.7  |



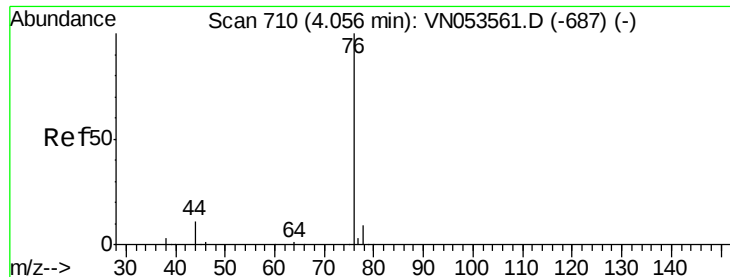
Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



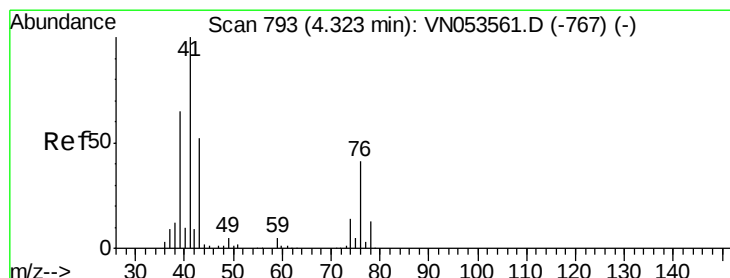
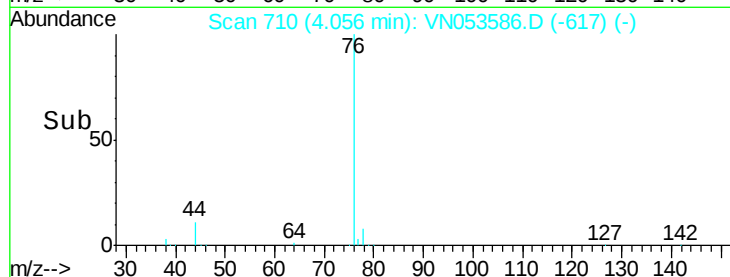
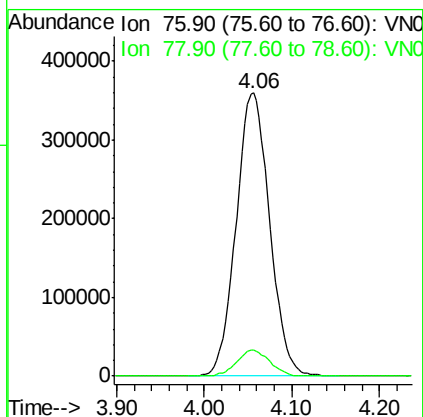
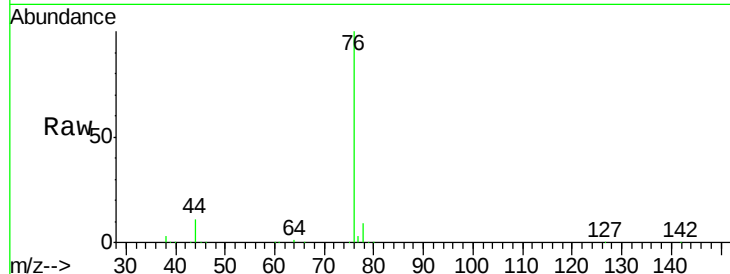
3.81



#17  
Carbon Disulfide  
Concen: 46.807 ug/l  
RT: 4.06 min Scan# 710  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

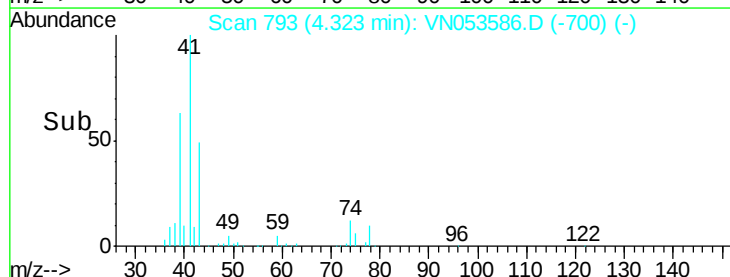
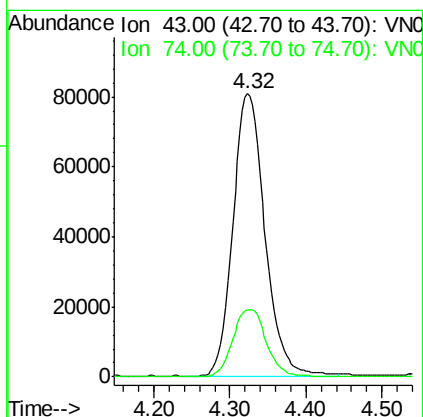
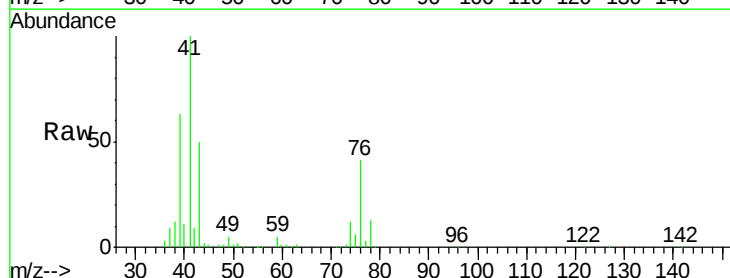
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

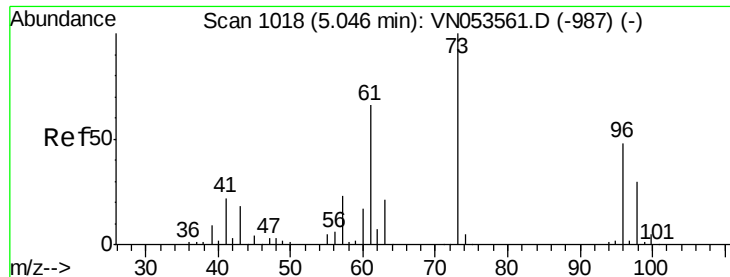
Tot Ion: 76 Resp: 955737  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.3 10.9



#18  
Methyl Acetate  
Concen: 43.676 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 43 Resp: 235693  
Ion Ratio Lower Upper  
43 100  
74 25.2 19.4 29.2

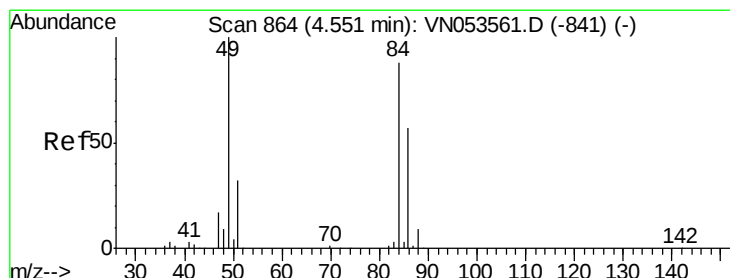
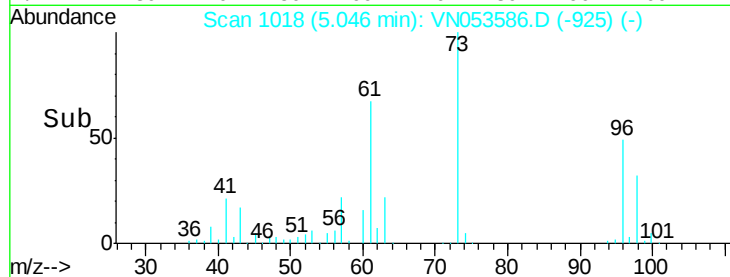
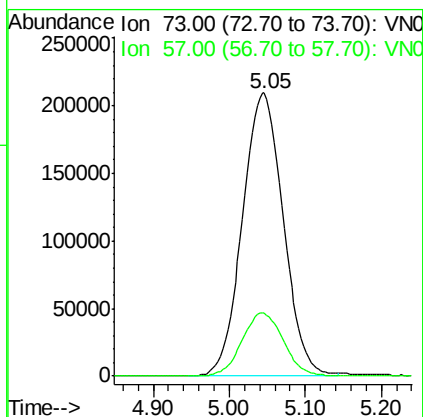
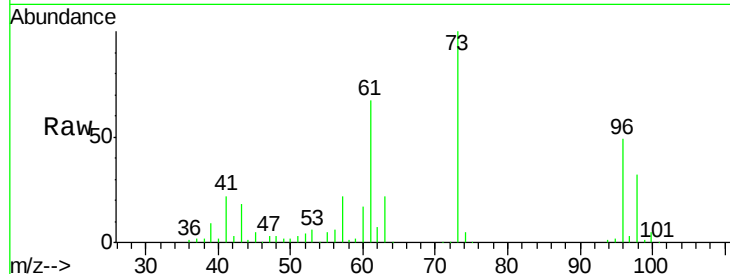




#19  
Methvl tert-butvl Ether  
Concen: 47.008 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

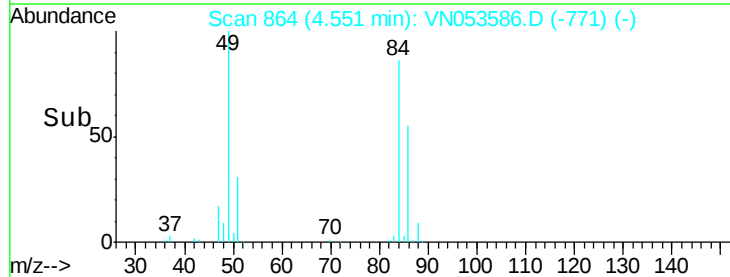
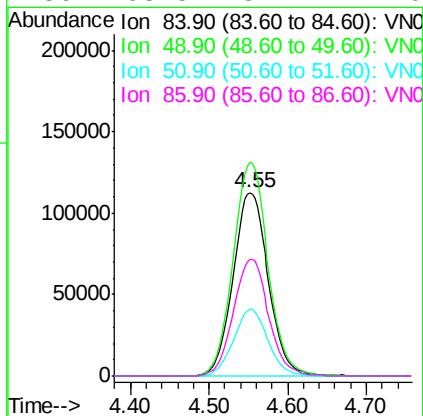
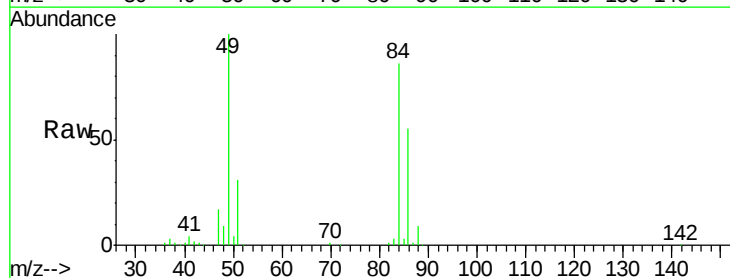
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

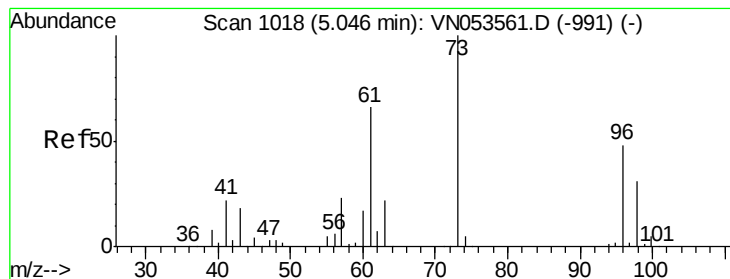
Tot Ion: 73 Resp: 781433  
Ion Ratio Lower Upper  
73 100  
57 22.3 18.3 27.5



#20  
Methylene Chloride  
Concen: 46.101 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 84 Resp: 352428  
Ion Ratio Lower Upper  
84 100  
49 116.4 94.3 141.5  
51 36.4 29.4 44.2  
86 63.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 47.011 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

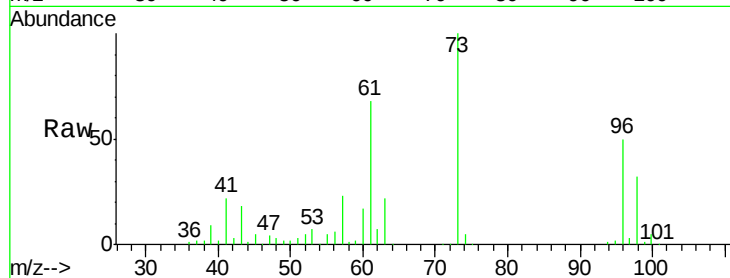
Tot Ion: 96 Resp: 332583

Ion Ratio Lower Upper

96 100

61 136.4 110.1 165.1

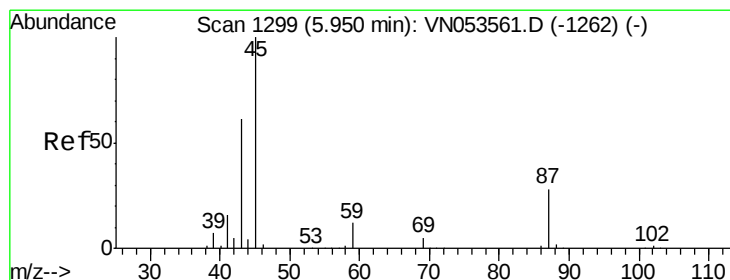
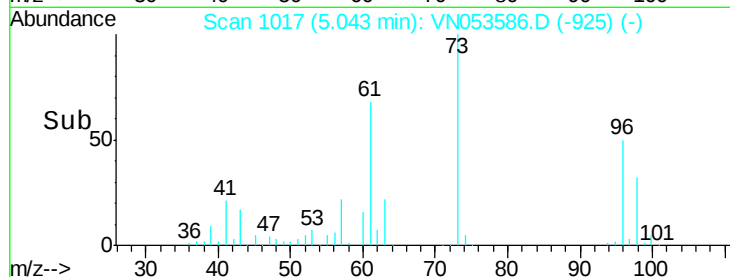
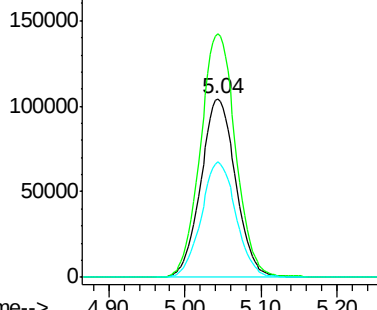
98 64.4 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN053586.D (-1206) (-)

Ion 60.90 (60.60 to 61.60): VN053586.D (-1206) (-)

Ion 97.90 (97.60 to 98.60): VN053586.D (-1206) (-)



#22

Diisopropyl ether

Concen: 49.230 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Tgt Ion: 45 Resp: 952400

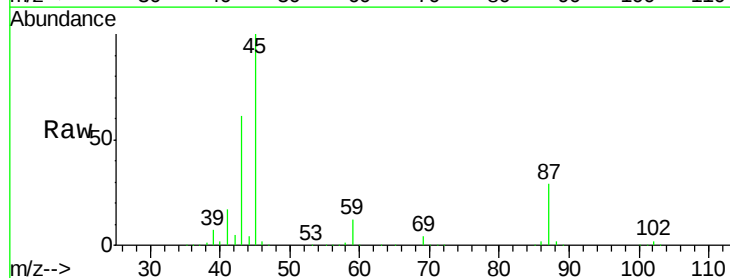
Ion Ratio Lower Upper

45 100

43 58.8 44.2 66.4

87 28.7 22.7 34.1

59 11.9 9.4 14.2

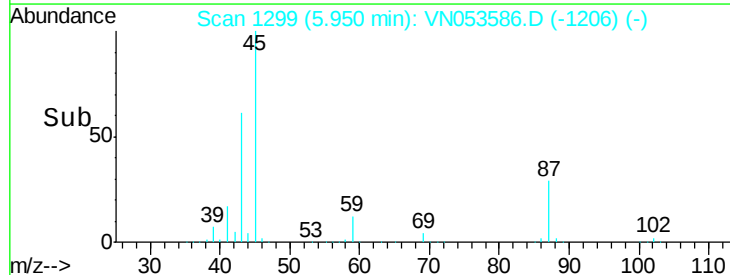
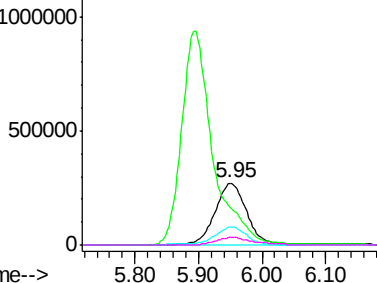


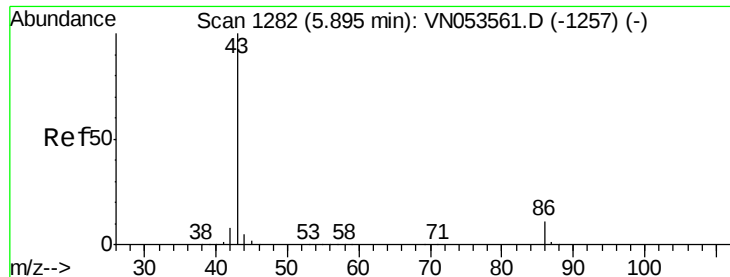
Abundance Ion 45.00 (44.70 to 45.70): VN053586.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN053586.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN053586.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN053586.D (-1206) (-)





#23

Vinyl Acetate

Concen: 239.097 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

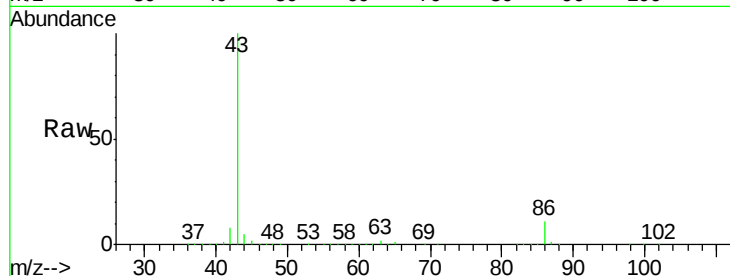
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 43 Resp: 3199899

Ion Ratio Lower Upper

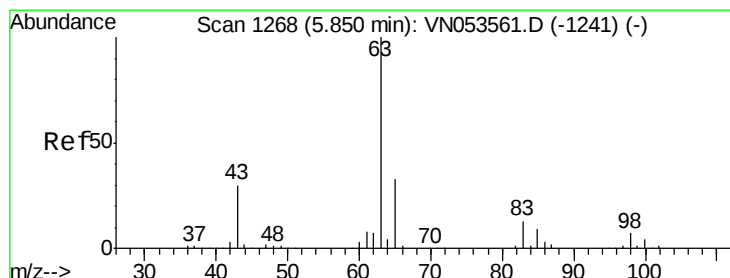
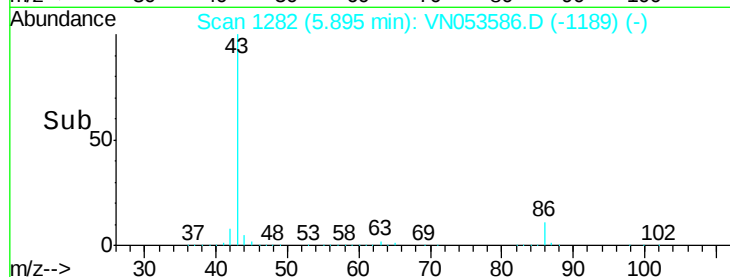
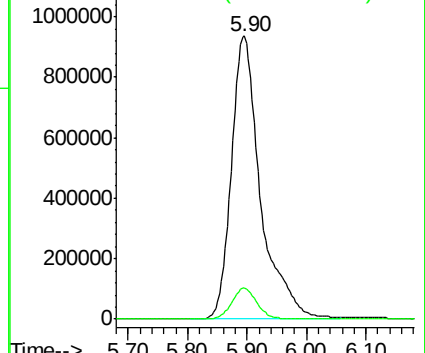
43 100

86 10.9 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.442 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

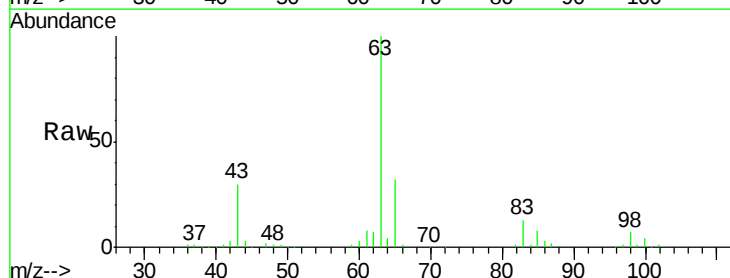
Tgt Ion: 63 Resp: 612169

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

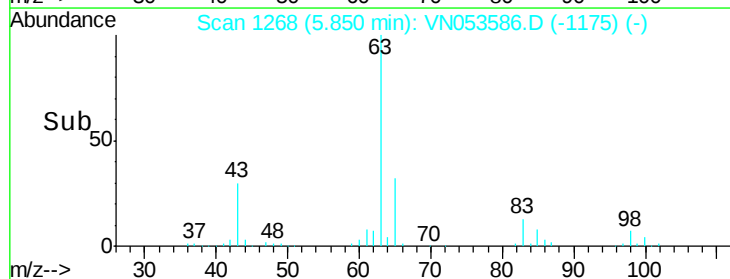
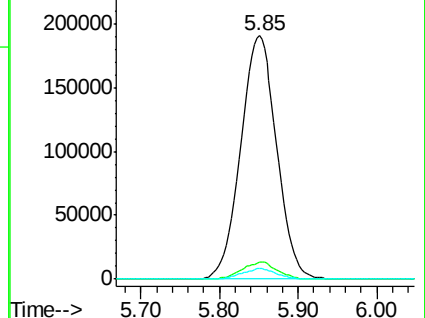
100 4.4 2.1 6.5

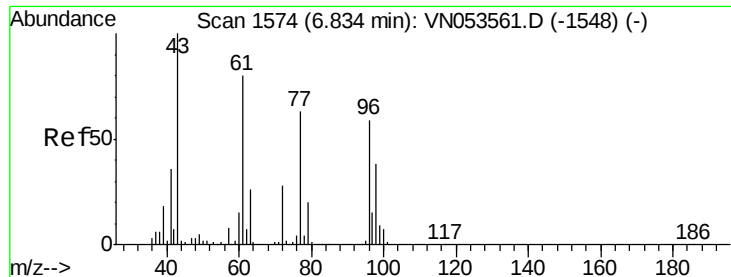


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

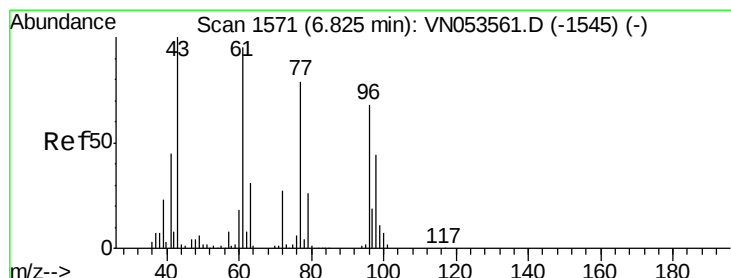
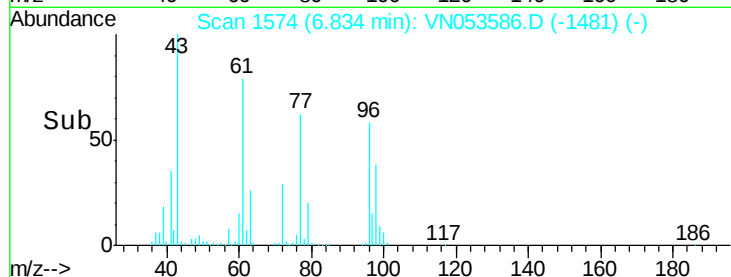
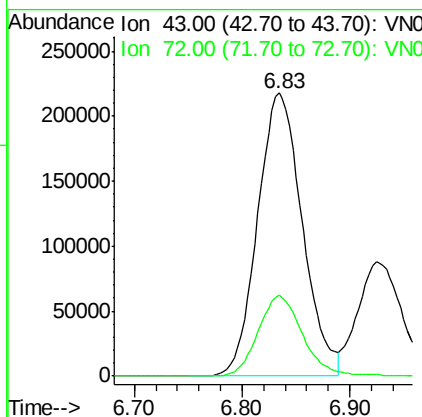
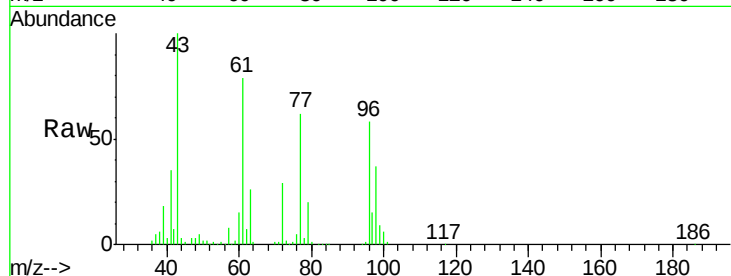




#25  
2-Butanone  
Concen: 240.629 ug/l  
RT: 6.83 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

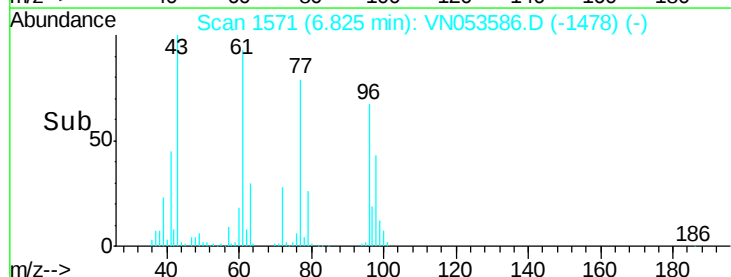
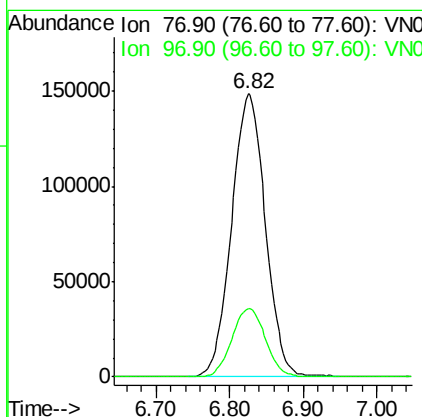
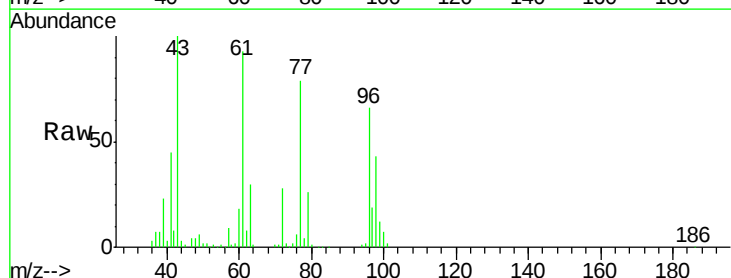
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

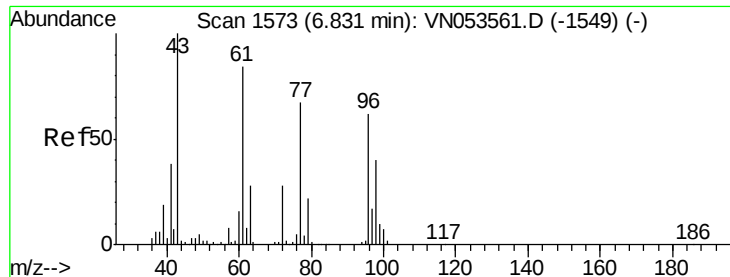
Tot Ion: 43 Resp: 625349  
Ion Ratio Lower Upper  
43 100  
72 28.5 22.0 33.0



#26  
2,2-Dichloropropane  
Concen: 48.067 ug/l  
RT: 6.82 min Scan# 1571  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 77 Resp: 473468  
Ion Ratio Lower Upper  
77 100  
97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 47.637 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

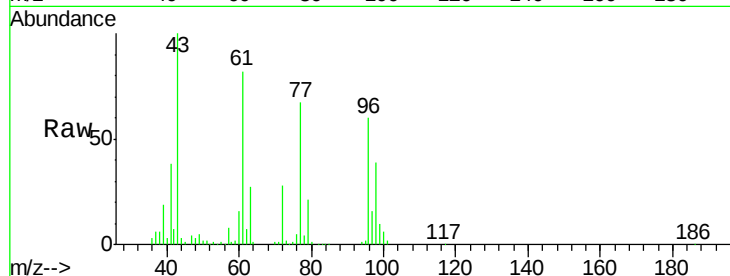
Tot Ion: 96 Resp: 374747

Ion Ratio Lower Upper

96 100

61 140.8 0.0 283.8

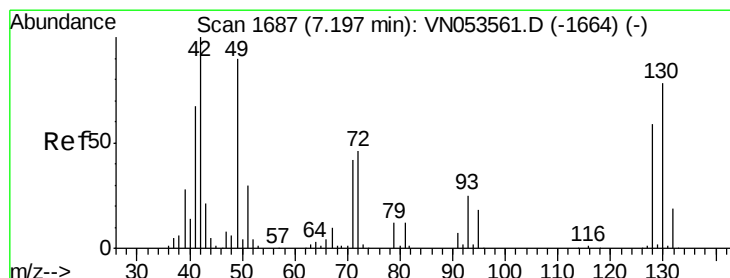
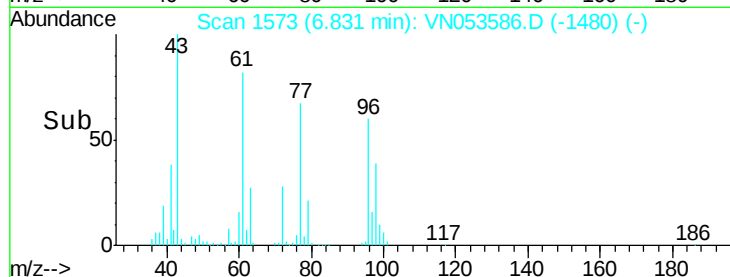
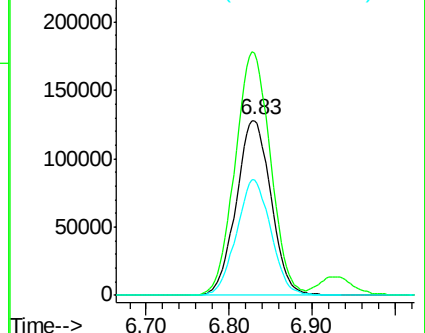
98 65.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053586.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053586.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053586.D (-1480) (-)



#28

Bromochloromethane

Concen: 50.050 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

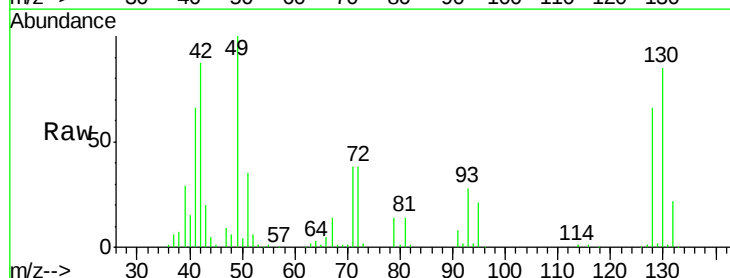
Tgt Ion: 49 Resp: 280264

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

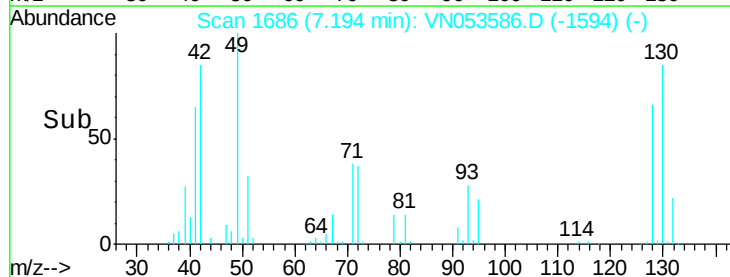
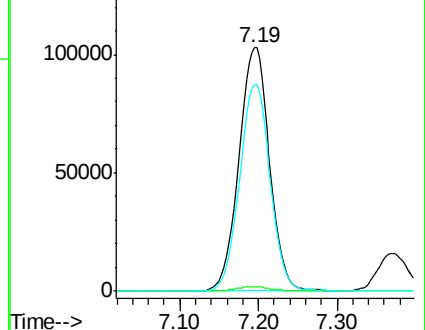
130 85.0 66.3 99.5

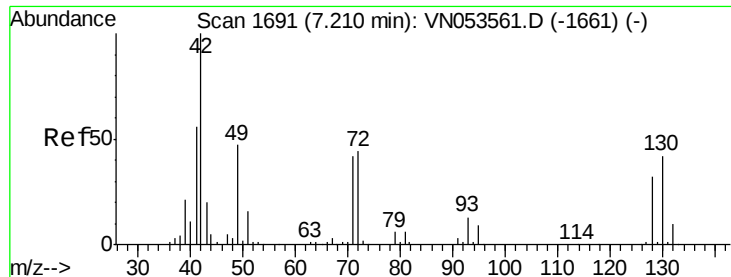


Abundance Ion 48.90 (48.60 to 49.60): VN053586.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053586.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053586.D (-1594) (-)

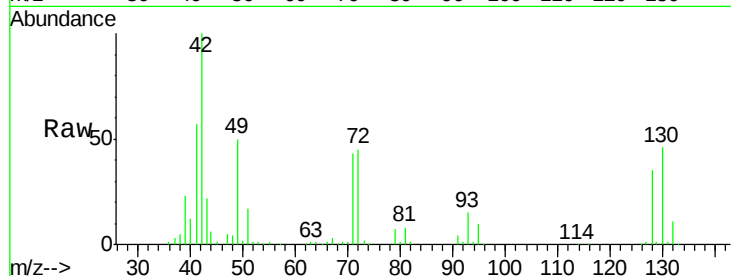




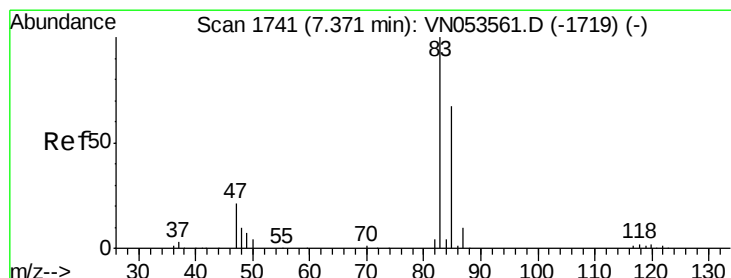
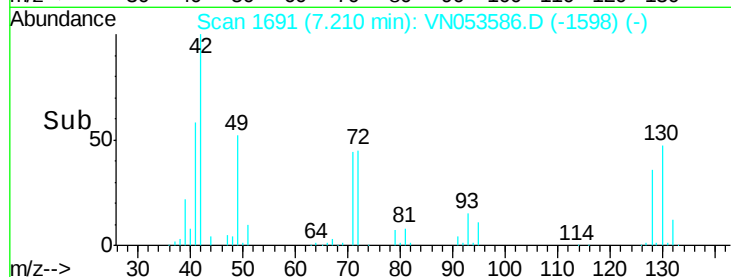
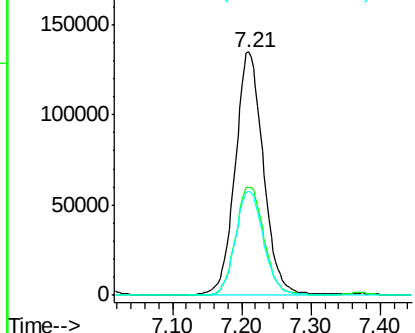
#29  
Tetrahydrofuran  
Concen: 228.649 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 42 Resp: 381564  
Ion Ratio Lower Upper  
42 100  
72 45.1 35.2 52.8  
71 42.9 33.0 49.4

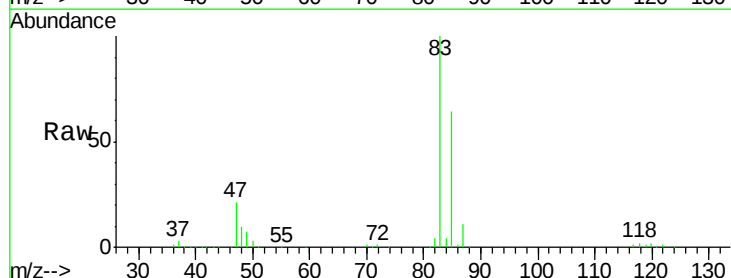


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

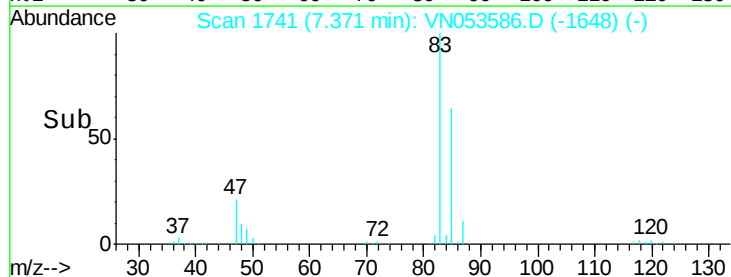
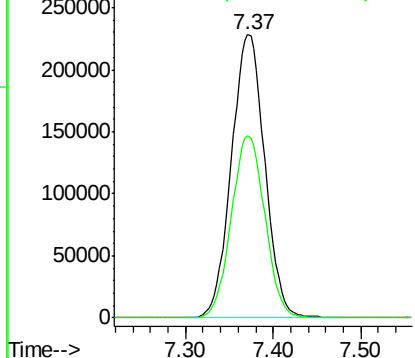


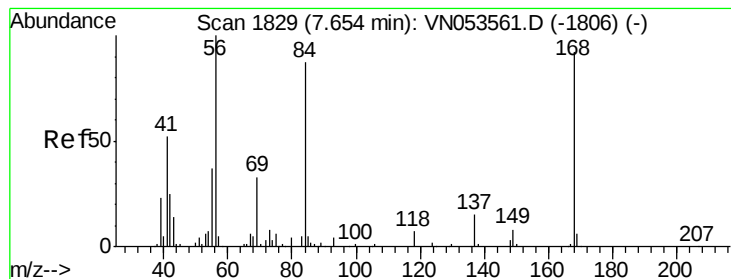
#30  
Chloroform  
Concen: 47.260 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 83 Resp: 604522  
Ion Ratio Lower Upper  
83 100  
85 64.3 52.2 78.2



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





#31

Cyclohexane

Concen: 47.222 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

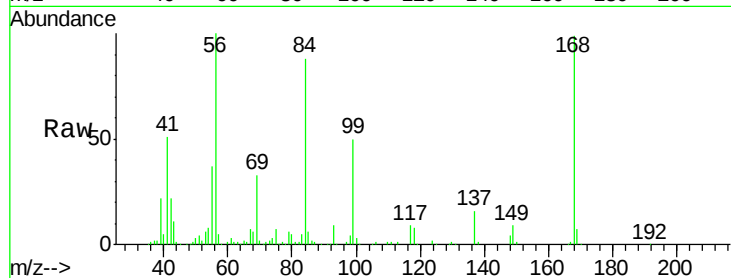
Tot Ion: 56 Resp: 567435

Ion Ratio Lower Upper

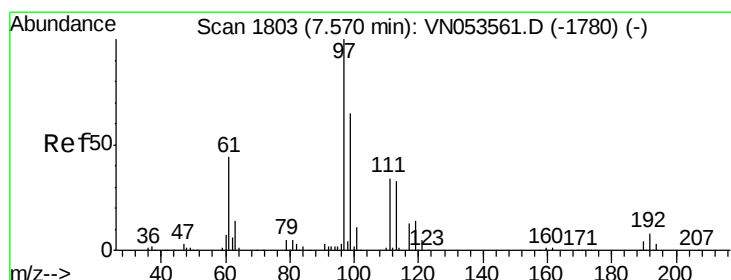
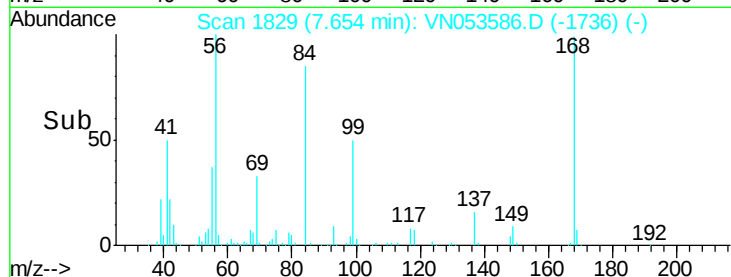
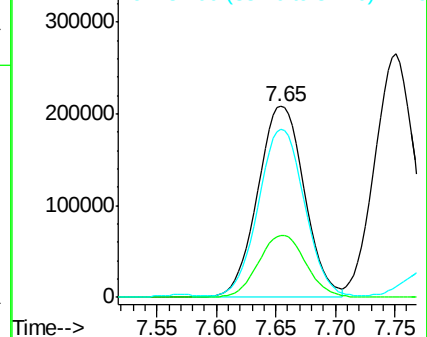
56 100

69 32.6 26.4 39.6

84 86.7 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 48.162 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

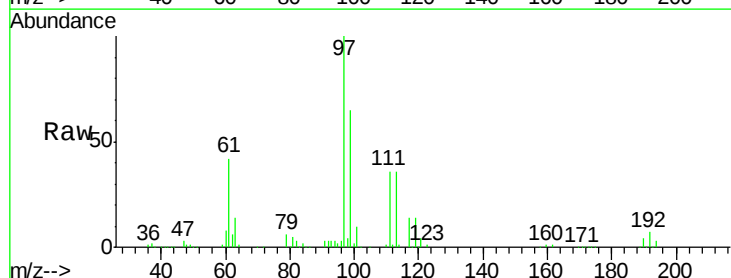
Tgt Ion: 97 Resp: 512690

Ion Ratio Lower Upper

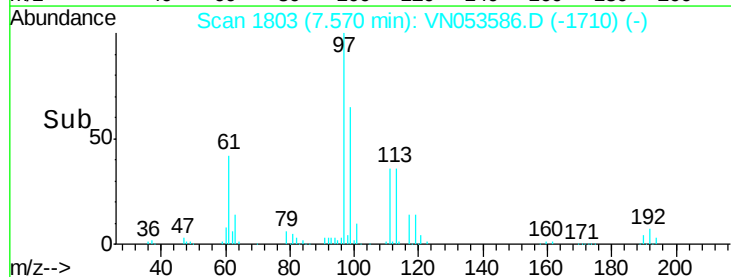
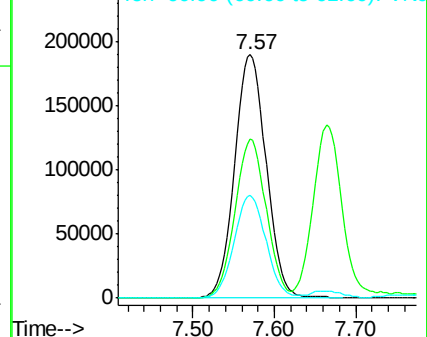
97 100

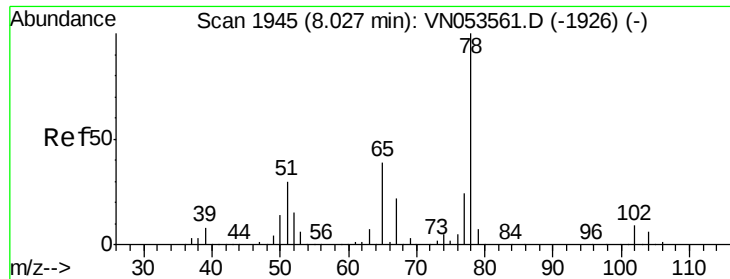
99 64.5 52.0 78.0

61 42.6 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNO  
Ion 98.90 (98.60 to 99.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 48.162 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

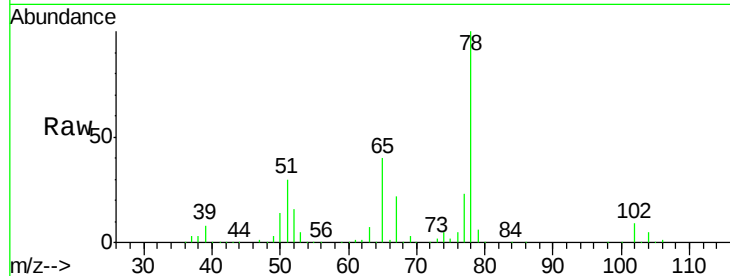
VSTDCCC050

Tot Ion: 65 Resp: 347607

Ion Ratio Lower Upper

65 100

67 54.6 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053586.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053586.D (-1852) (-)

8.03

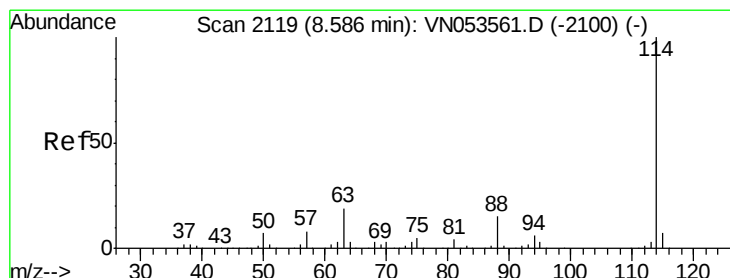
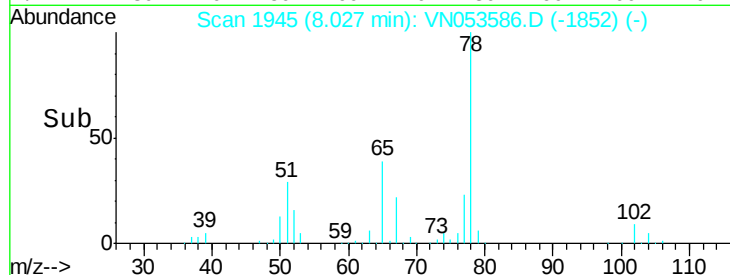
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

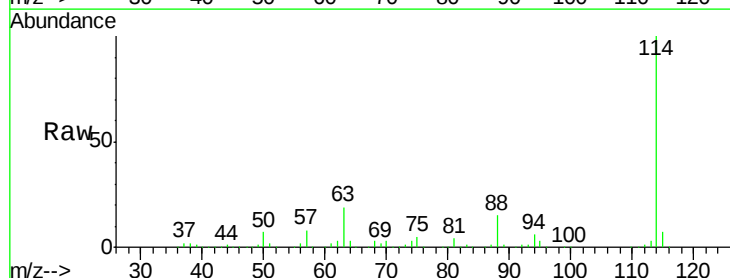
Tgt Ion: 114 Resp: 1018008

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053586.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053586.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053586.D (-2026) (-)

8.59

600000

500000

400000

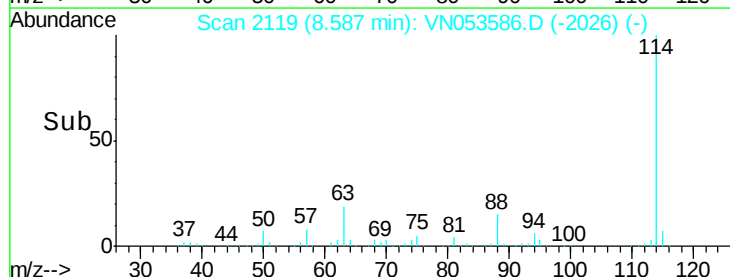
300000

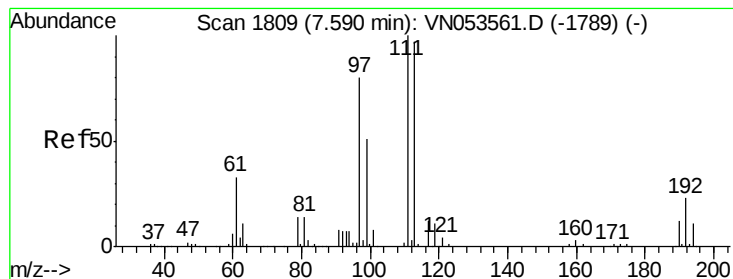
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

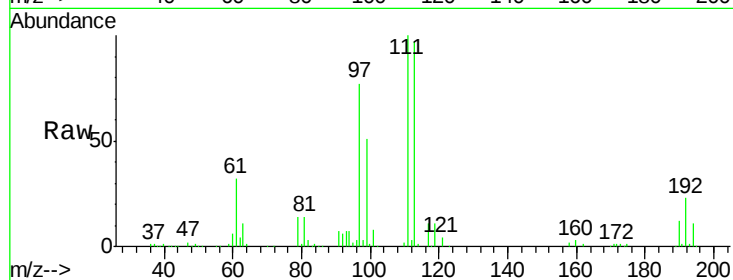
Tot Ion:113 Resp: 336697

Ion Ratio Lower Upper

113 100

111 101.6 81.1 121.7

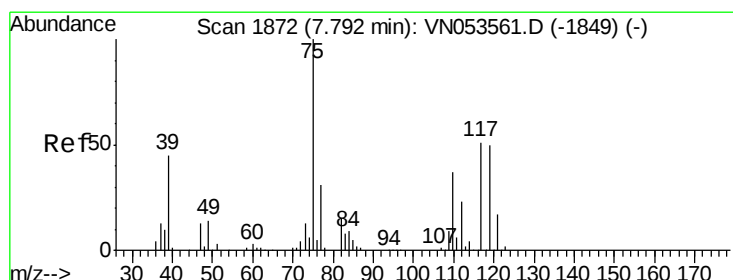
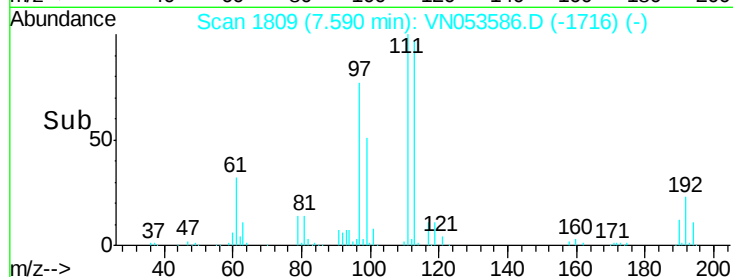
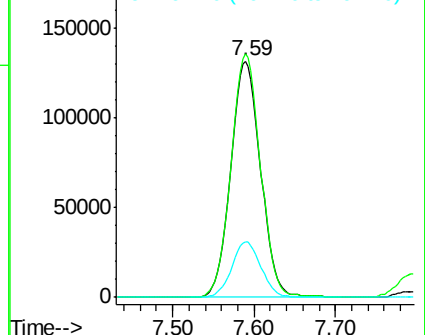
192 23.1 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.988 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

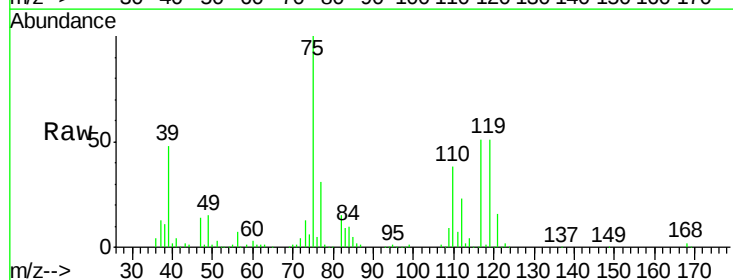
Tgt Ion: 75 Resp: 467899

Ion Ratio Lower Upper

75 100

110 37.5 18.1 54.3

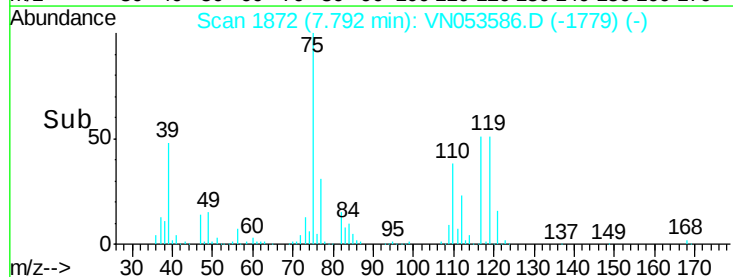
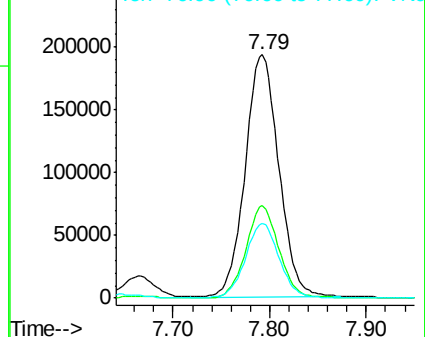
77 31.2 25.1 37.7

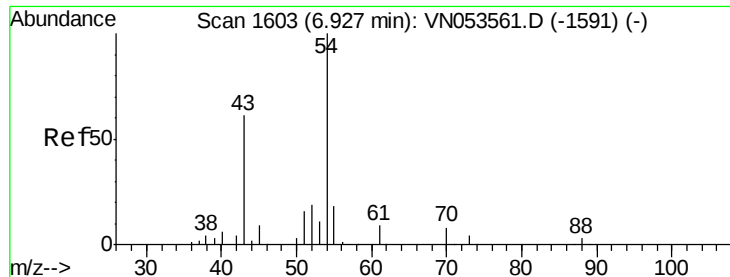


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

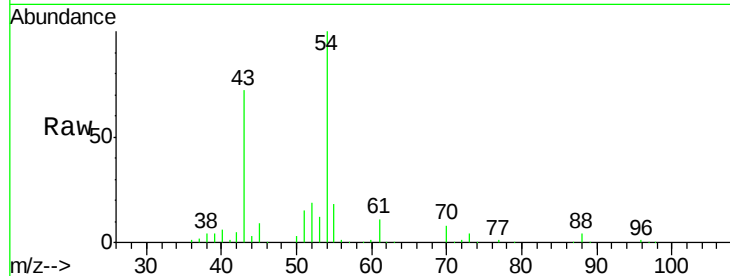




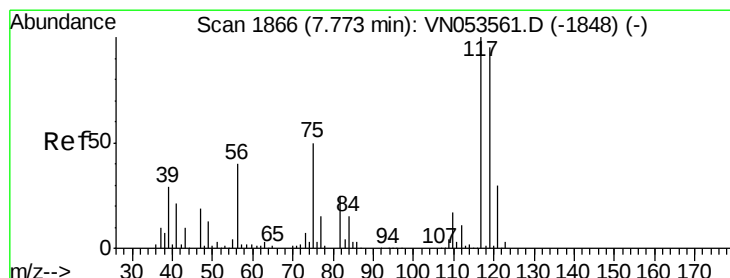
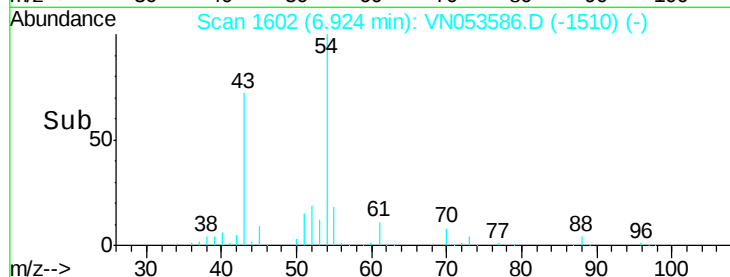
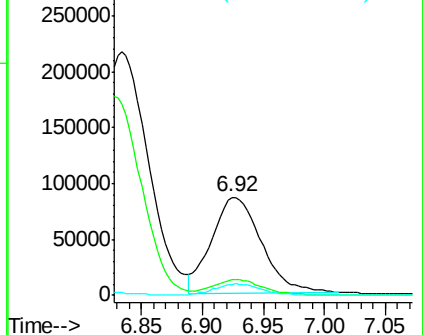
#37  
Ethyl Acetate  
Concen: 47.695 ug/l  
RT: 6.92 min Scan# 1602  
Delta R.T. -0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 244448  
Ion Ratio Lower Upper  
43 100  
61 15.6 11.8 17.6  
70 11.6 8.6 12.8

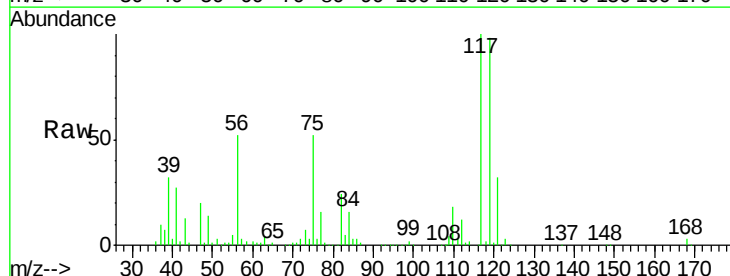


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

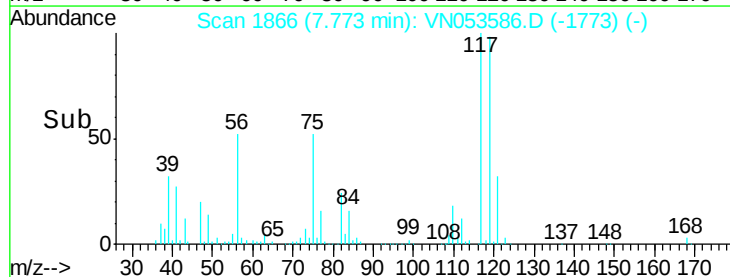
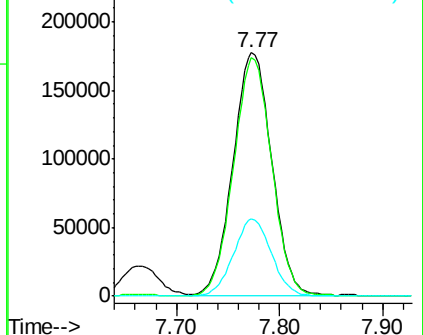


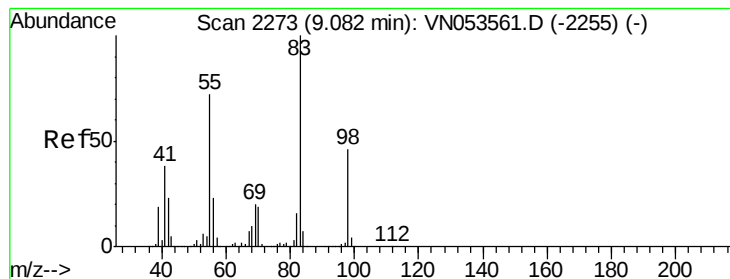
#38  
Carbon Tetrachloride  
Concen: 50.038 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 117 Resp: 462575  
Ion Ratio Lower Upper  
117 100  
119 98.0 77.2 115.8  
121 31.9 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 53.746 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

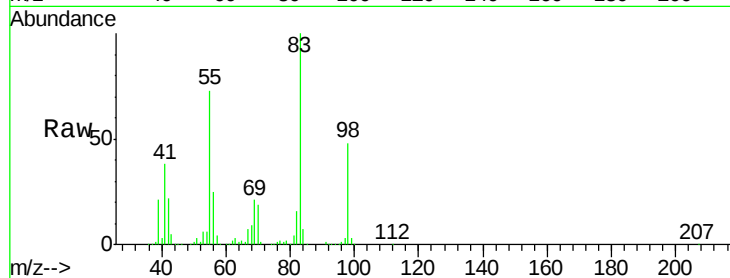
Tot Ion: 83 Resp: 585139

Ion Ratio Lower Upper

83 100

55 73.3 60.1 90.1

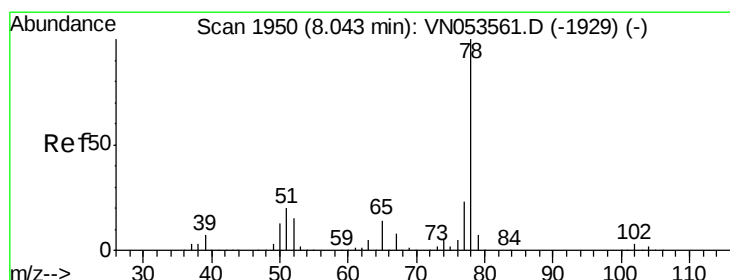
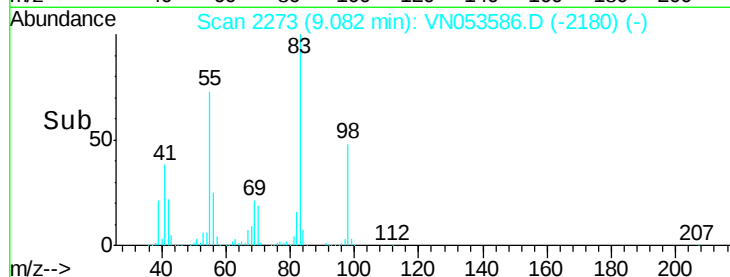
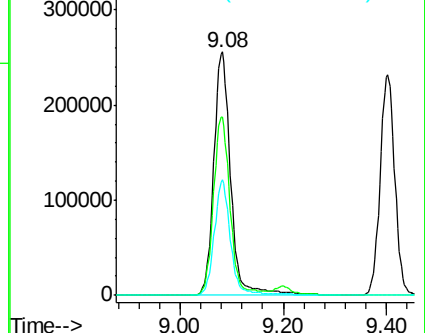
98 47.7 36.6 55.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 49.818 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053586.D

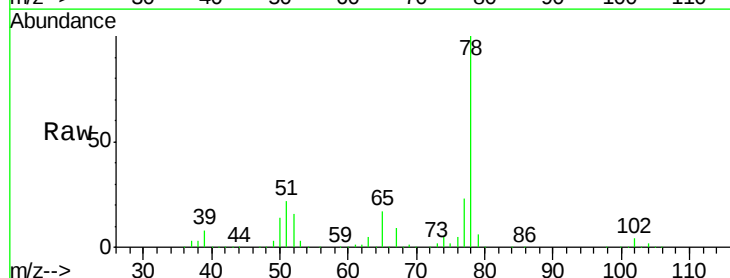
Acq: 4 Feb 2019 10:09

Tgt Ion: 78 Resp: 1409784

Ion Ratio Lower Upper

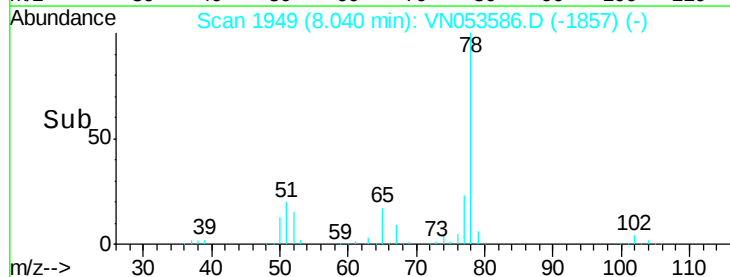
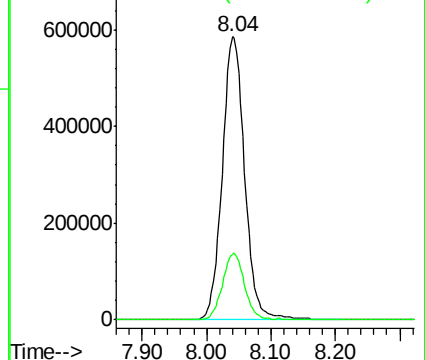
78 100

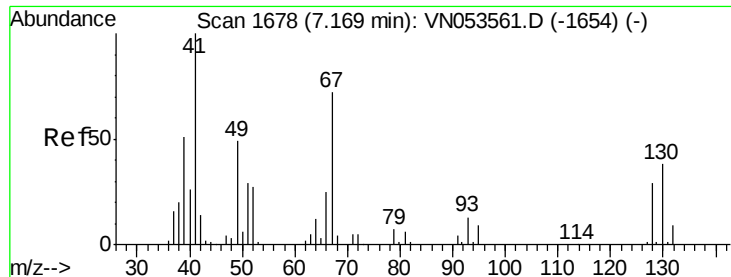
77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

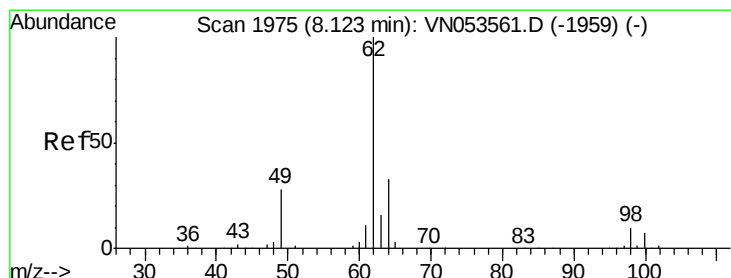
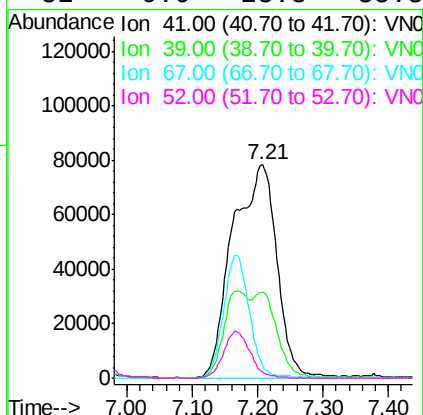
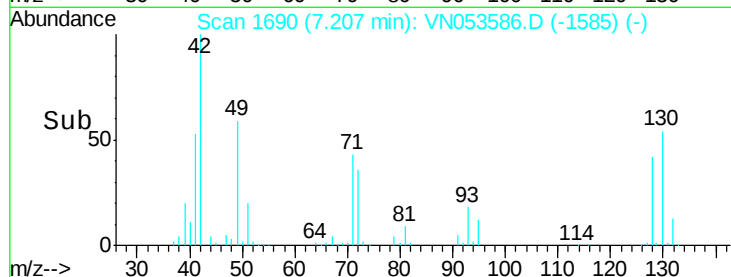
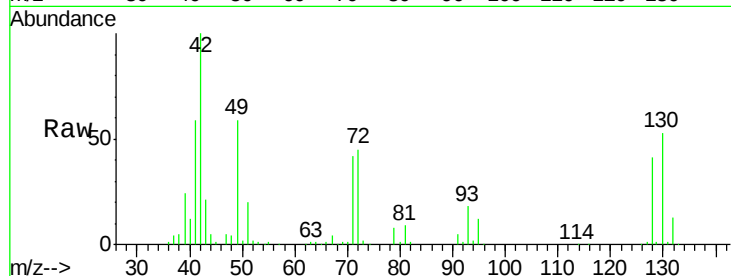




#41  
Methacrylonitrile  
Concen: 128.685 ug/l  
RT: 7.21 min Scan# 1690  
Delta R.T. 0.04 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

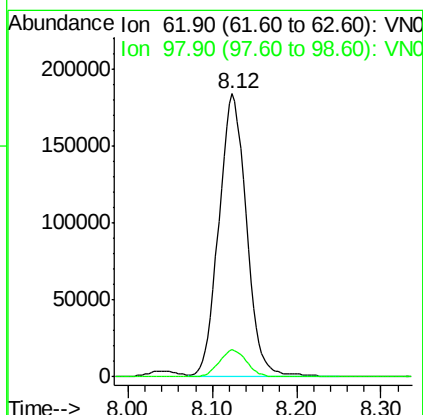
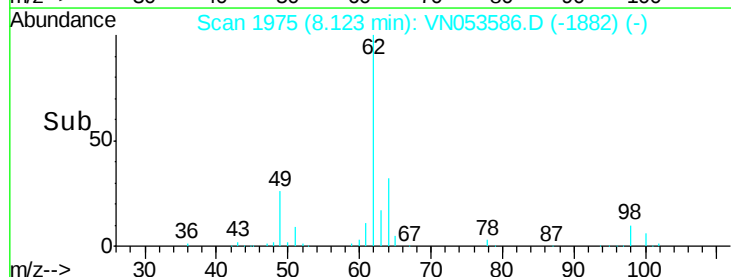
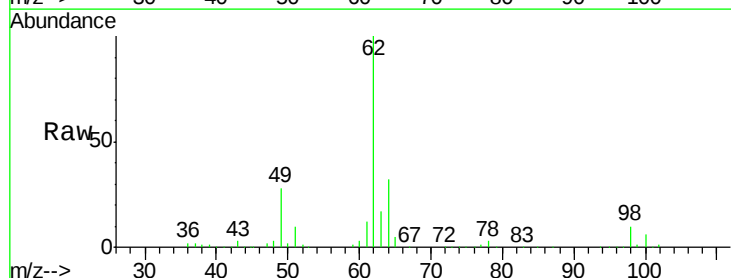
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

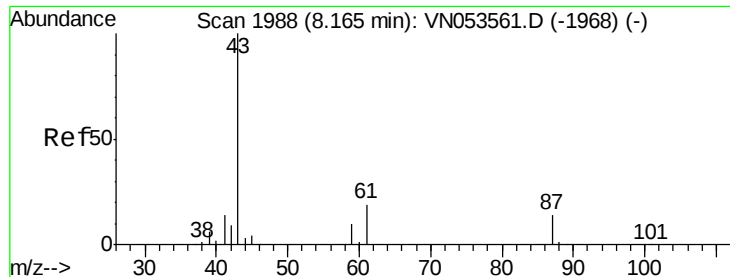
Tot Ion: 41 Resp: 368615  
Ion Ratio Lower Upper  
41 100  
39 0.0 46.8 70.2#  
67 0.0 63.0 94.6#  
52 0.0 23.8 35.8#



#42  
1,2-Dichloroethane  
Concen: 49.725 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 62 Resp: 417816  
Ion Ratio Lower Upper  
62 100  
98 9.7 0.0 19.6





#43

Isopropyl Acetate

Concen: 45.218 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

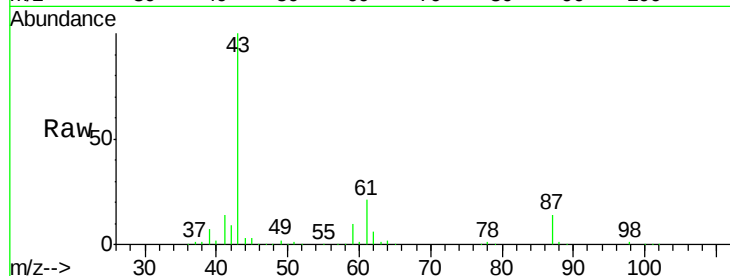
Tot Ion: 43 Resp: 447566

Ion Ratio Lower Upper

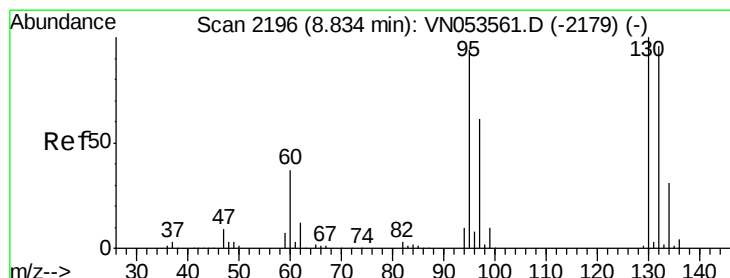
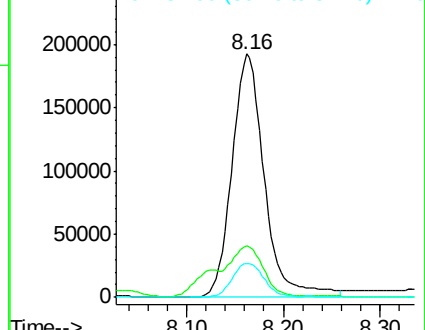
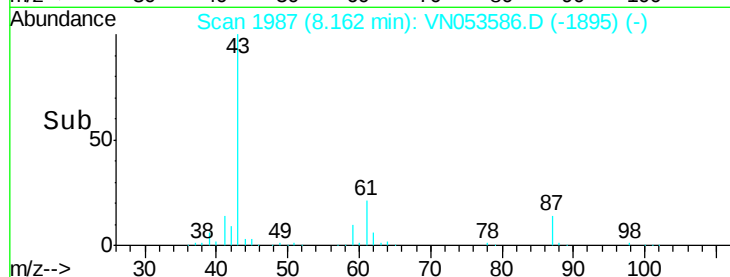
43 100

61 21.9 23.9 35.9#

87 13.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053586.D (-1895) (-)



#44

Trichloroethene

Concen: 49.718 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053586.D

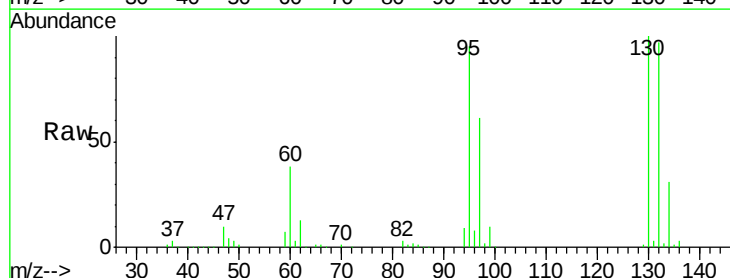
Acq: 4 Feb 2019 10:09

Tgt Ion:130 Resp: 400552

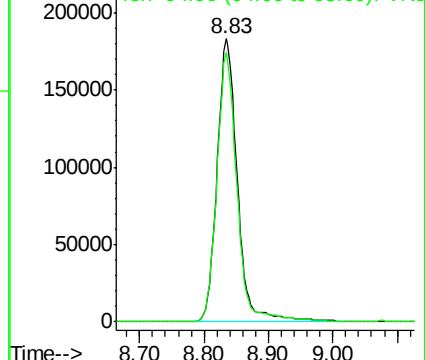
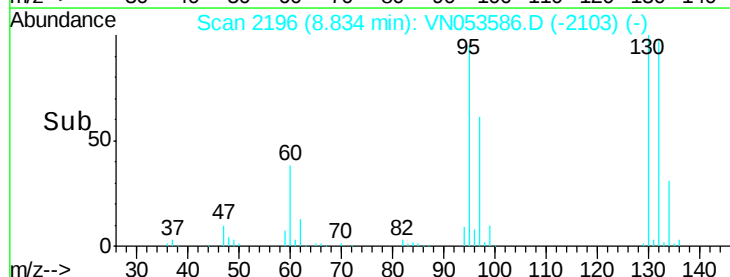
Ion Ratio Lower Upper

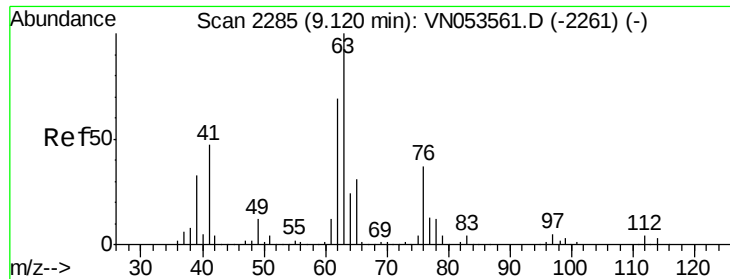
130 100

95 95.0 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053586.D (-2103) (-)

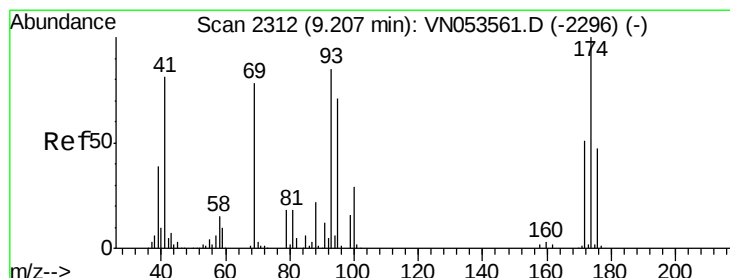
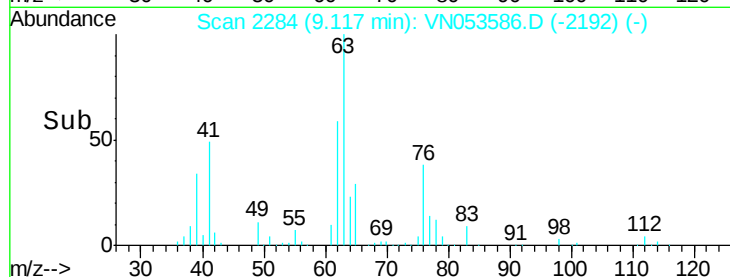
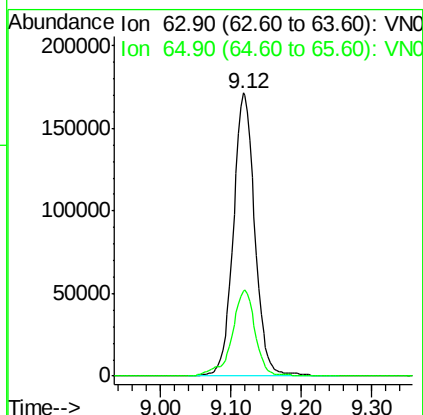
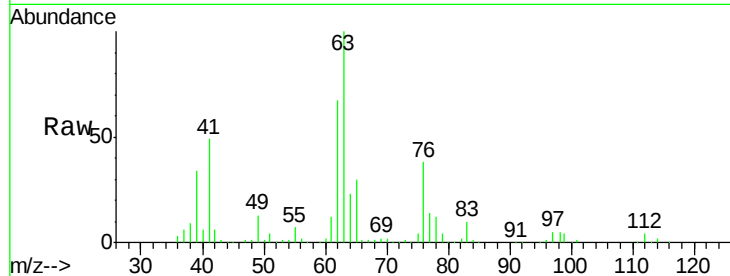




#45  
 1,2-Dichloropropane  
 Concen: 50.588 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

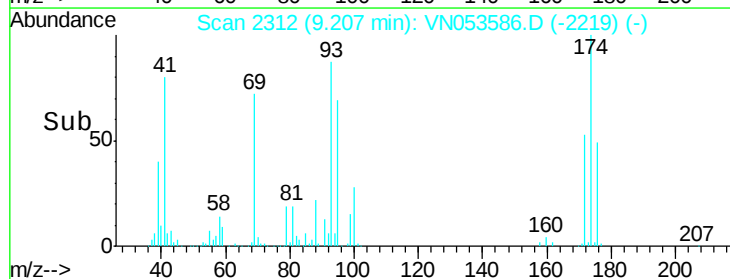
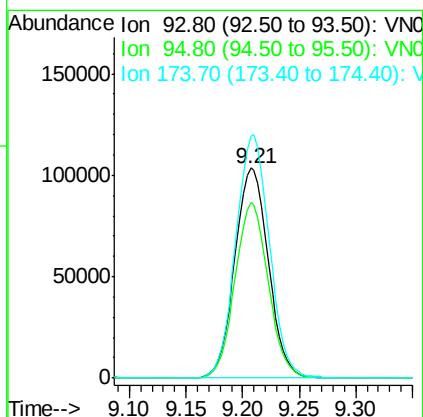
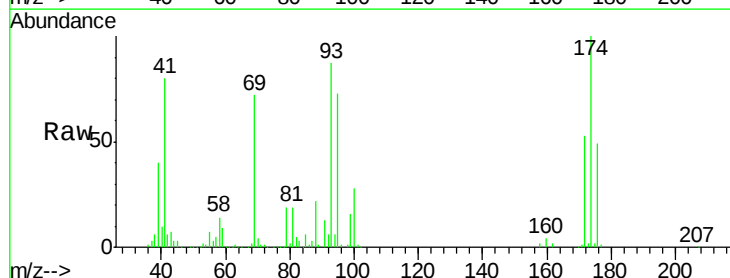
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 366156  
 Ion Ratio Lower Upper  
 63 100  
 65 29.9 25.0 37.4



#46  
 Dibromomethane  
 Concen: 49.327 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

Tgt Ion: 93 Resp: 215226  
 Ion Ratio Lower Upper  
 93 100  
 95 82.6 67.3 100.9  
 174 115.7 91.0 136.4





#47

Bromodichloromethane

Concen: 50.663 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

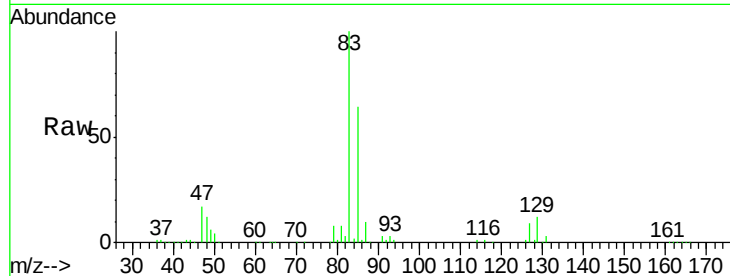
Tot Ion: 83 Resp: 459608

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.6

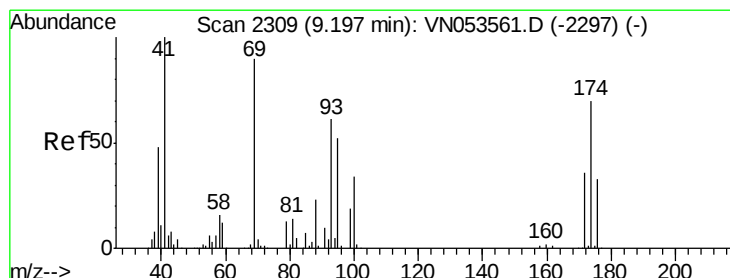
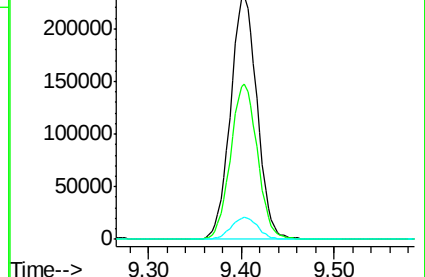
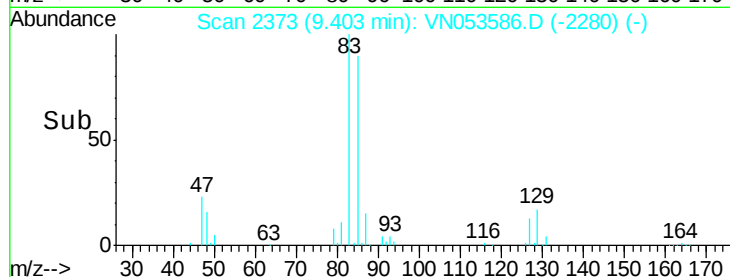
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053586.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053586.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053586.D (-2280) (-)



#48

Methyl methacrylate

Concen: 44.975 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

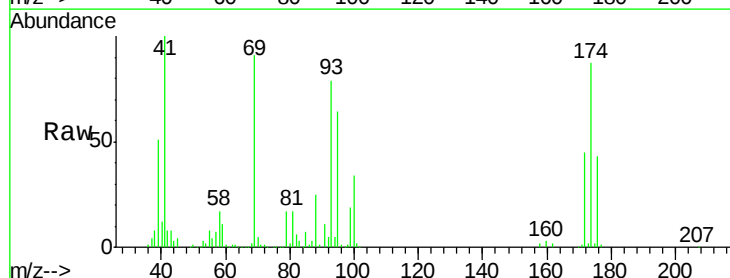
Tgt Ion: 41 Resp: 212493

Ion Ratio Lower Upper

41 100

69 100.6 73.8 110.6

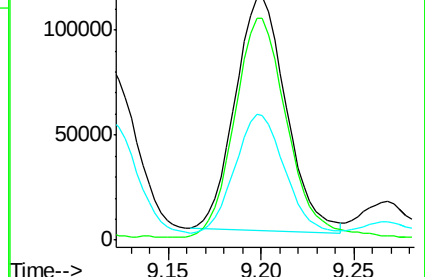
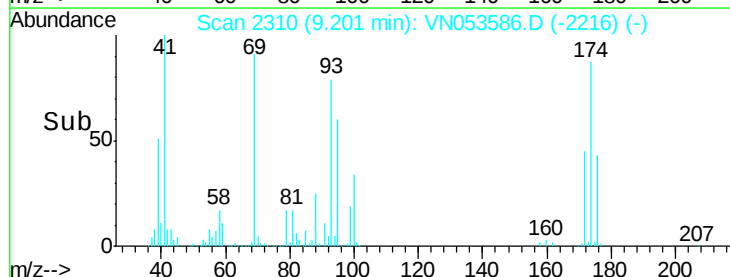
39 56.5 40.0 60.0

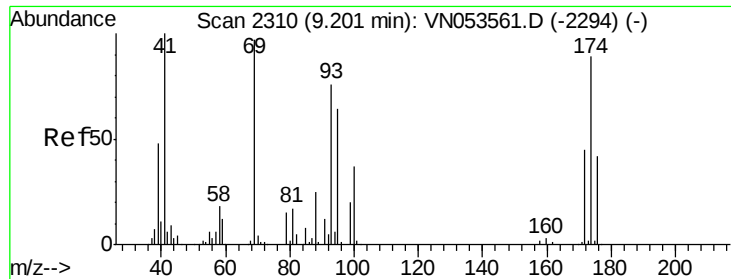


Abundance Ion 41.00 (40.70 to 41.70): VN053586.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053586.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053586.D (-2216) (-)

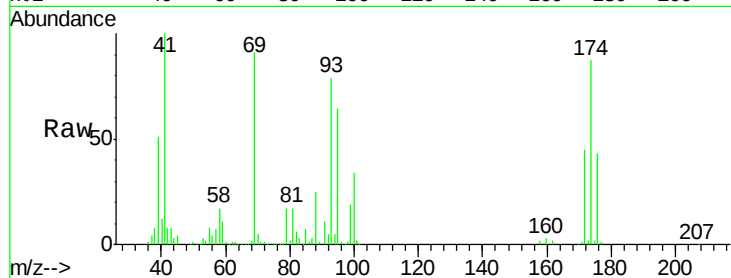




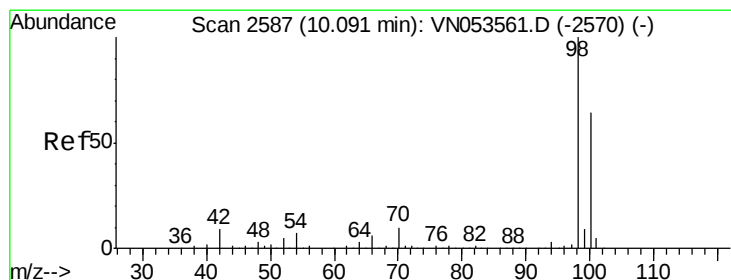
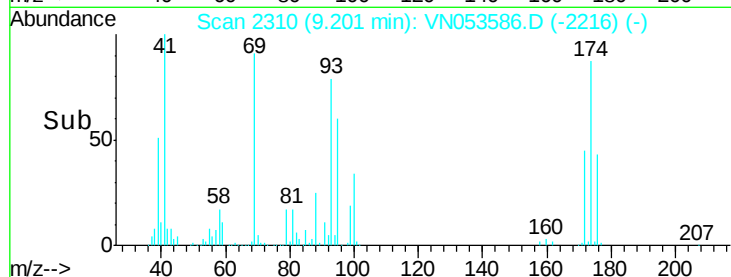
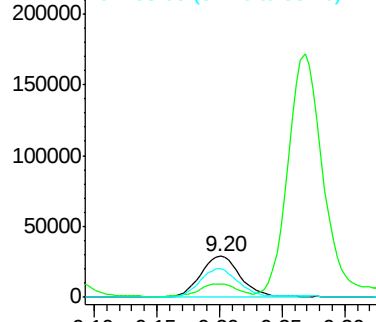
#49  
1,4-Dioxane  
Concen: 947.776 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 88 Resp: 64740  
Ion Ratio Lower Upper  
88 100  
43 29.0 27.8 41.6  
58 66.7 56.5 84.7

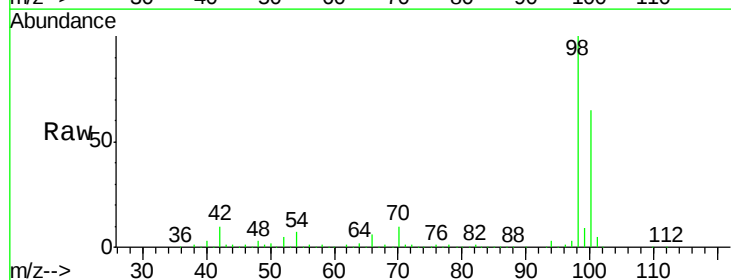


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

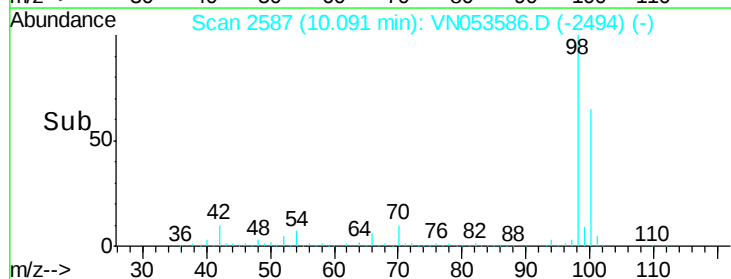
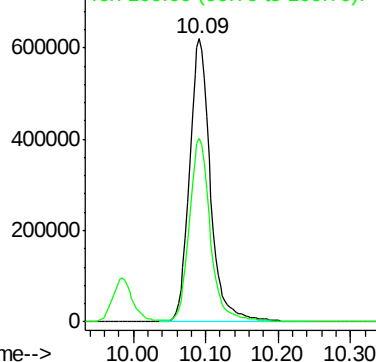


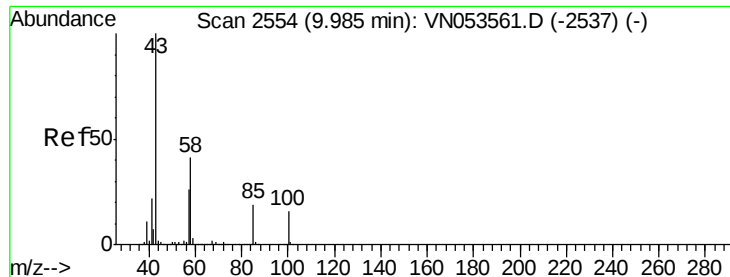
#50  
Toluene-d8  
Concen: 947.776 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 98 Resp: 1238518  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 245.017 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

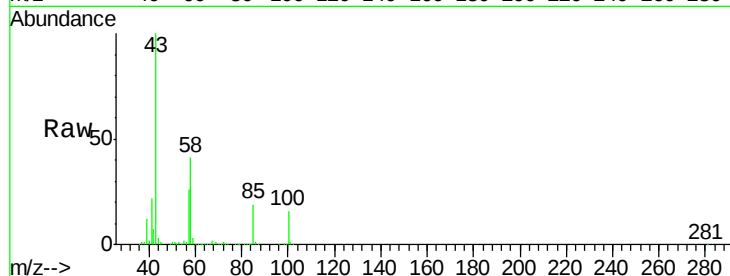
VSTDCCC050

Tot Ion: 43 Resp: 1191727

Ion Ratio Lower Upper

43 100

58 40.8 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

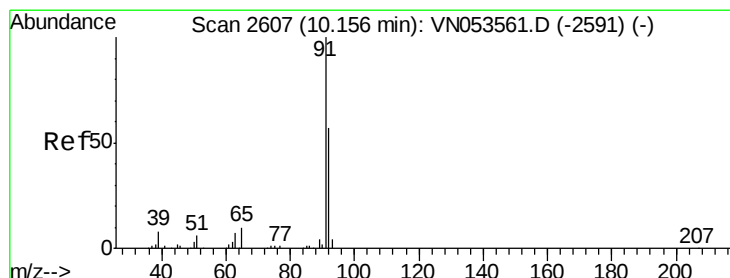
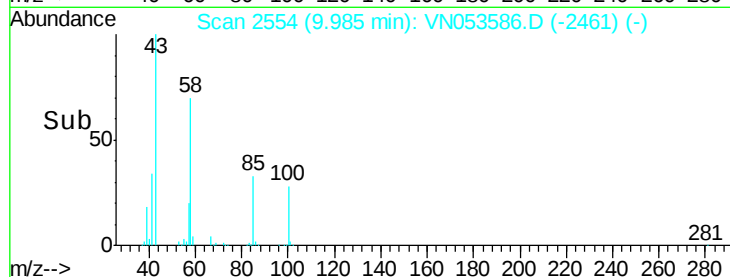
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 50.930 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053586.D

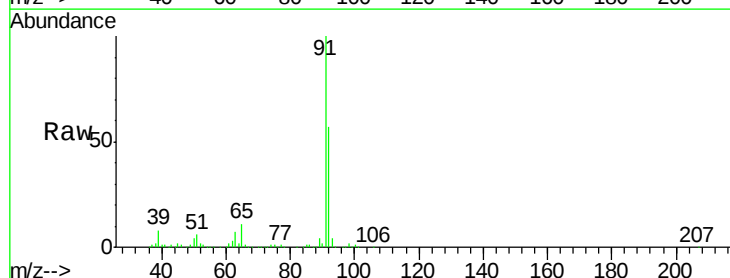
Acq: 4 Feb 2019 10:09

Tgt Ion: 92 Resp: 855370

Ion Ratio Lower Upper

92 100

91 176.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

800000

600000

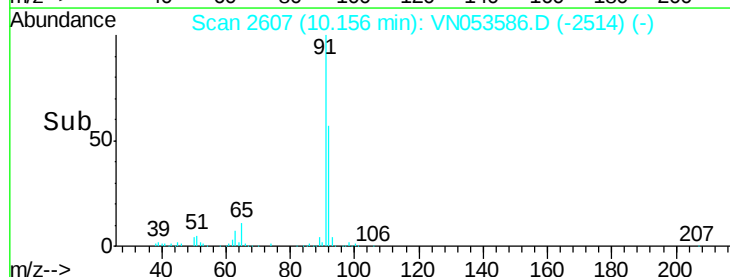
400000

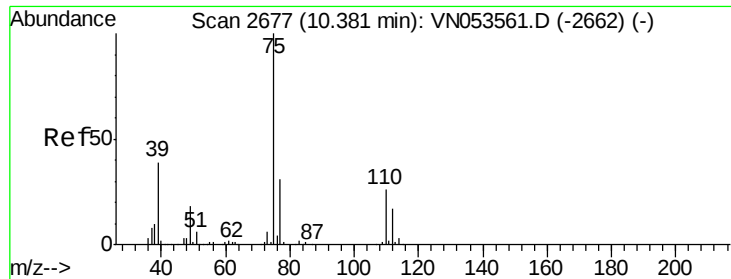
200000

0

10.10 10.20 10.30

Time-->

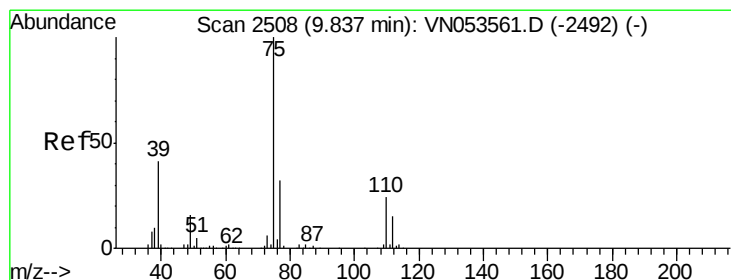
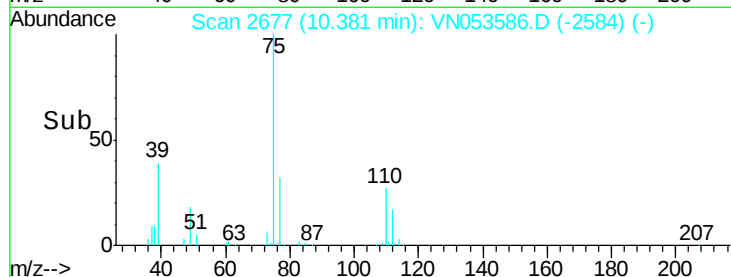
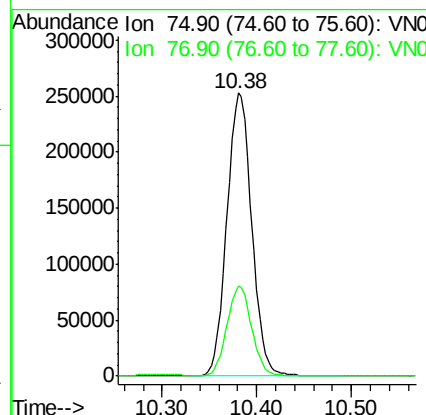
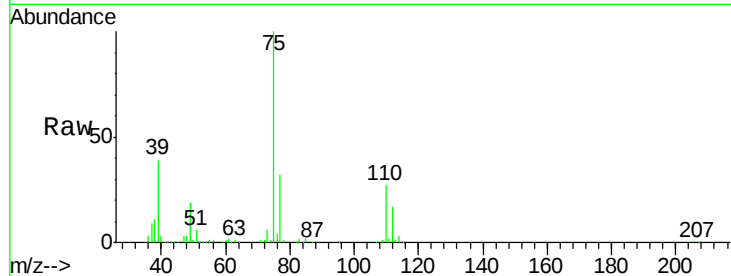




#53  
t-1,3-Dichloropropene  
Concen: 50.876 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

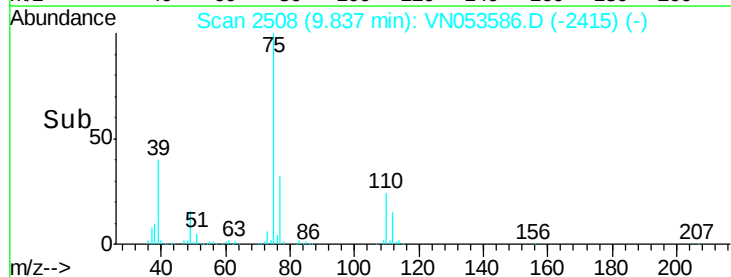
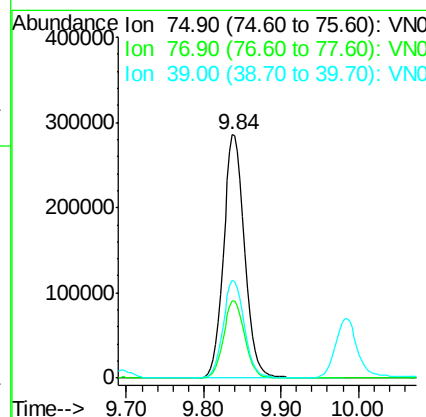
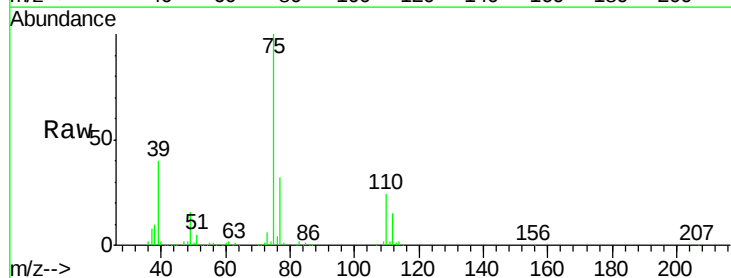
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

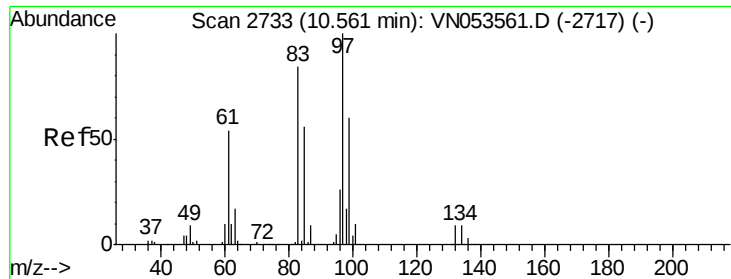
Tot Ion: 75 Resp: 462169  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.5 38.3



#54  
cis-1,3-Dichloropropene  
Concen: 50.564 ug/l  
RT: 9.84 min Scan# 2508  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 75 Resp: 544309  
Ion Ratio Lower Upper  
75 100  
77 31.6 25.8 38.6  
39 40.4 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 50.315 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 304504

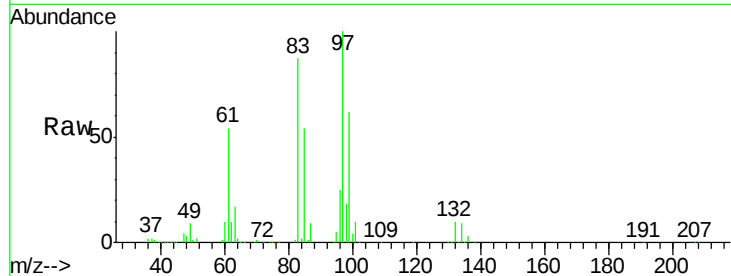
Ion Ratio Lower Upper

97 100

83 86.7 70.1 105.1

85 54.2 45.4 68.0

99 62.0 49.8 74.8

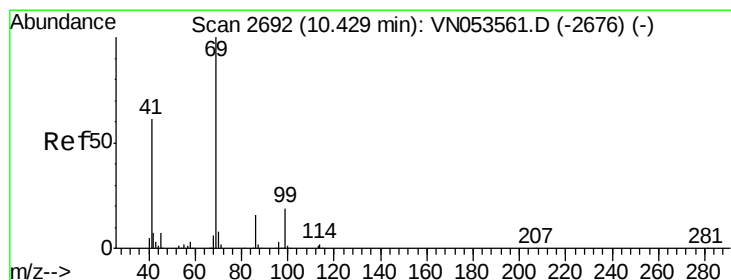
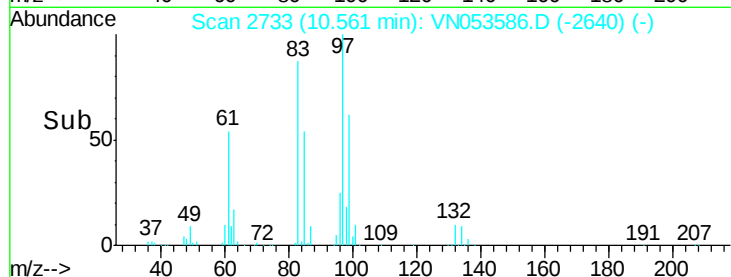
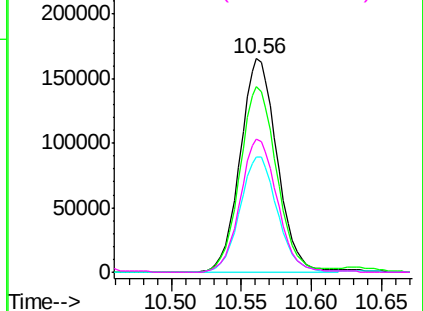


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.268 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

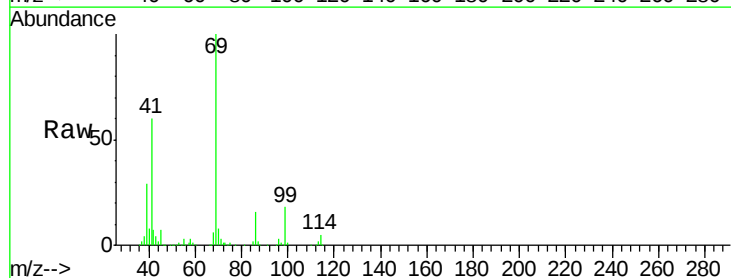
Tgt Ion: 69 Resp: 352734

Ion Ratio Lower Upper

69 100

41 60.9 49.4 74.0

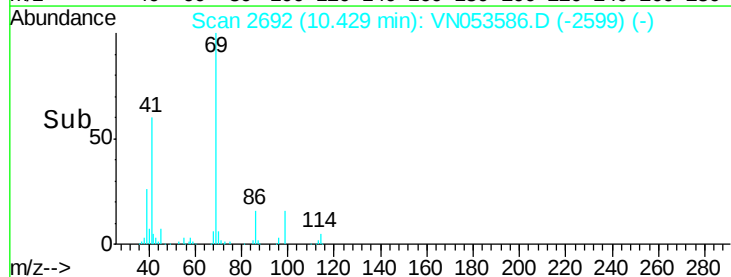
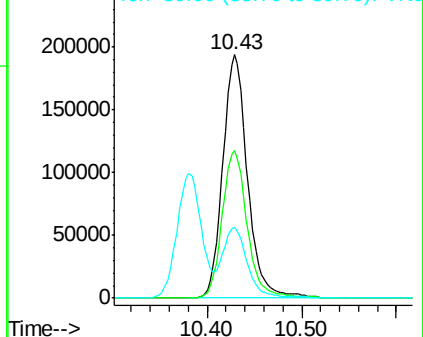
39 28.8 23.3 34.9

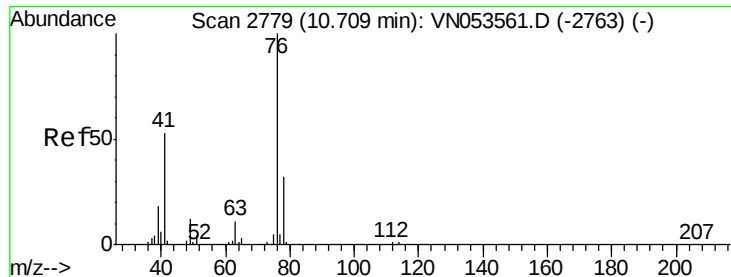


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

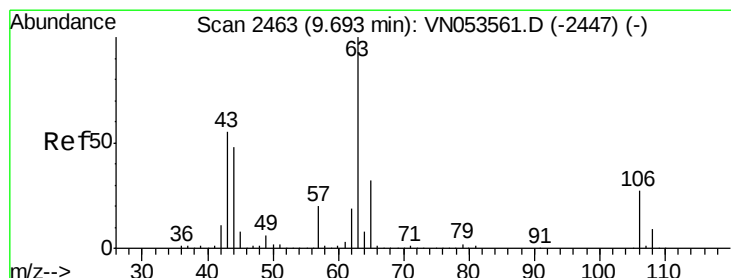
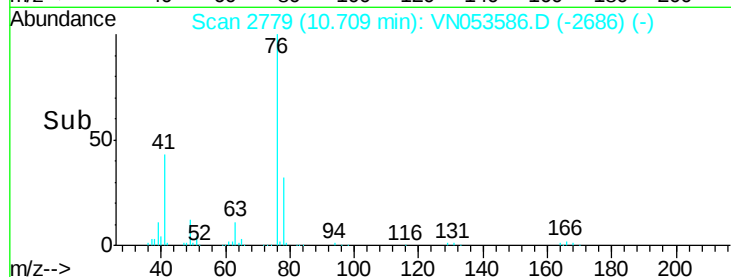
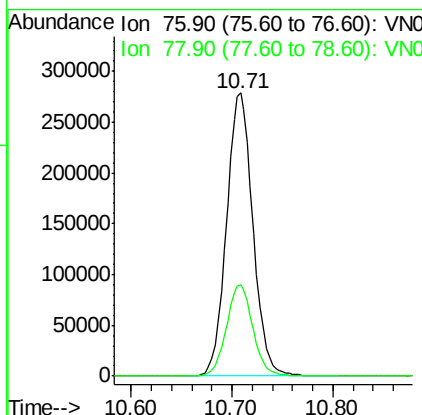
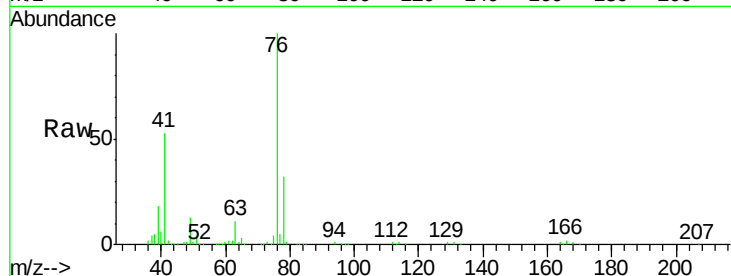




#57  
 1,3-Dichloropropane  
 Concen: 49.066 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

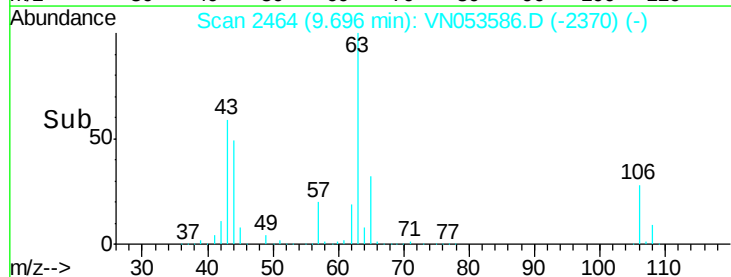
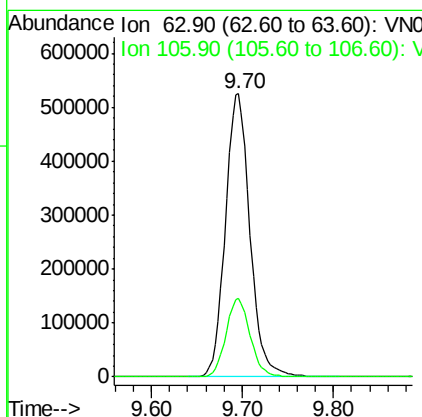
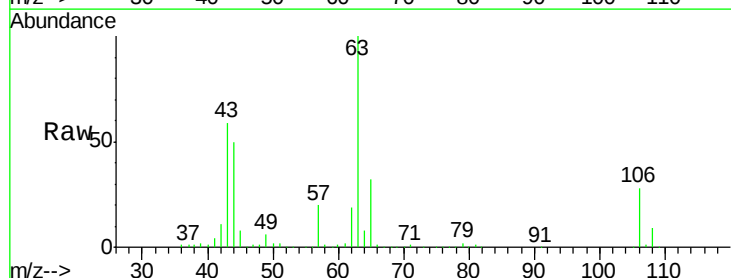
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

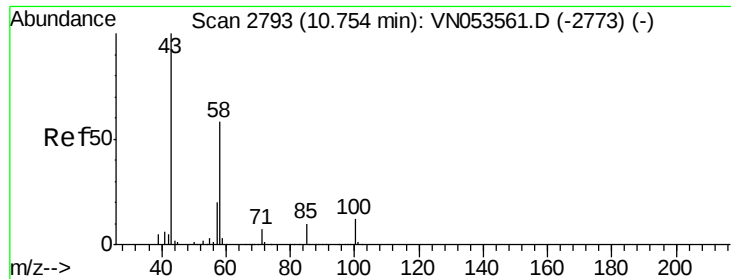
Tot Ion: 76 Resp: 507500  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 25.6 38.4



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 221.991 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

Tgt Ion: 63 Resp: 981551  
 Ion Ratio Lower Upper  
 63 100  
 106 27.5 21.5 32.3

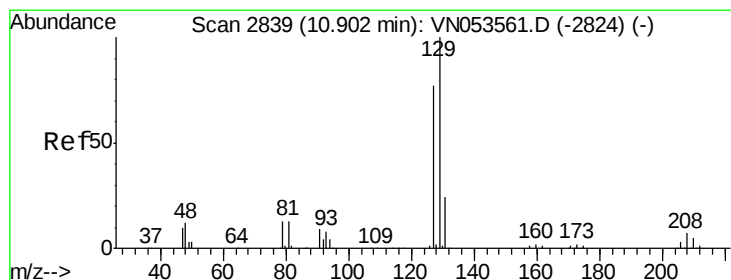
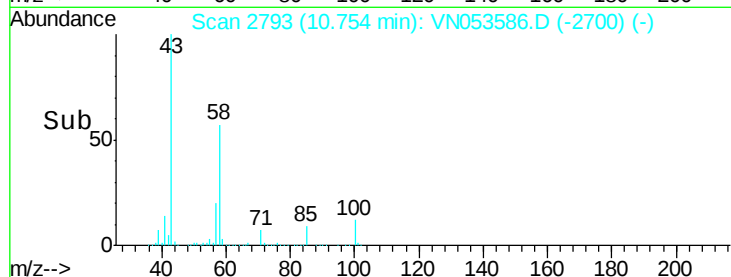
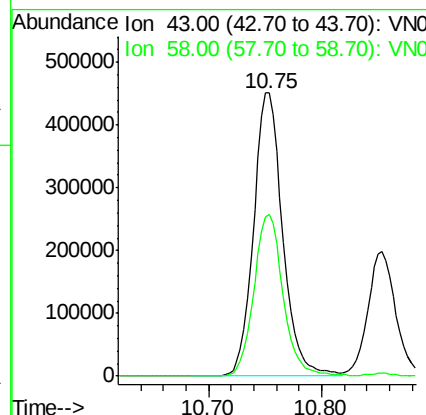
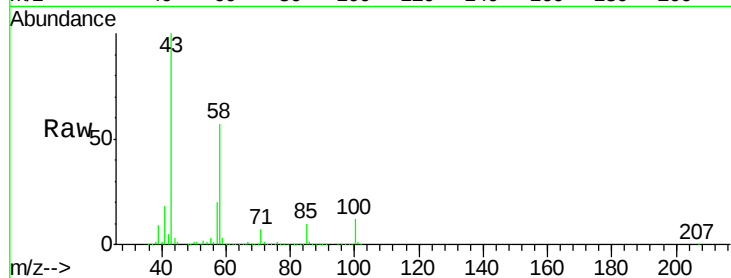




#59  
2-Hexanone  
Concen: 243.907 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

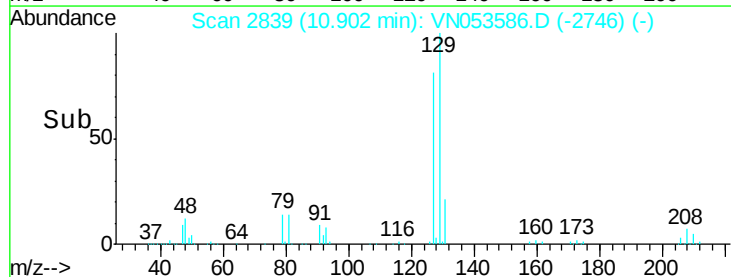
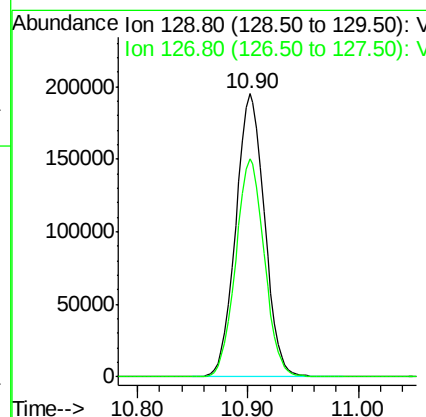
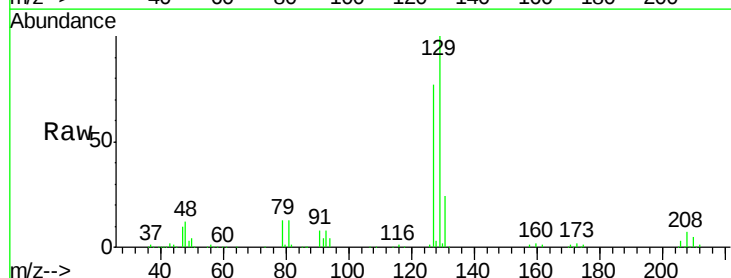
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

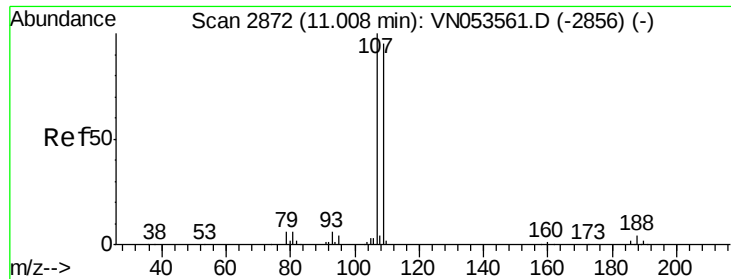
Tot Ion: 43 Resp: 805365  
Ion Ratio Lower Upper  
43 100  
58 57.4 28.6 85.8



#60  
Dibromochloromethane  
Concen: 51.782 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 129 Resp: 353397  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.323 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

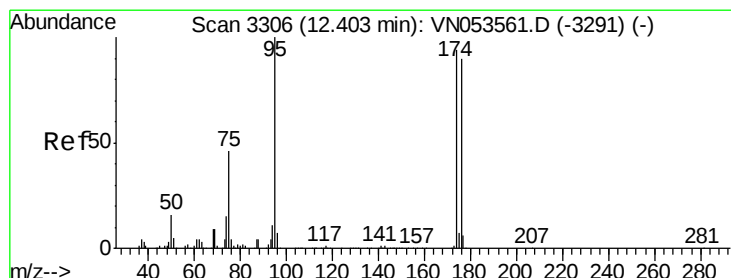
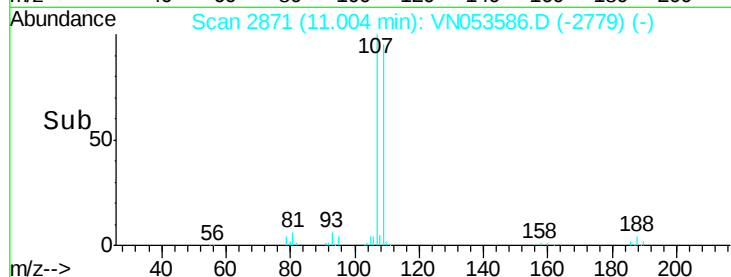
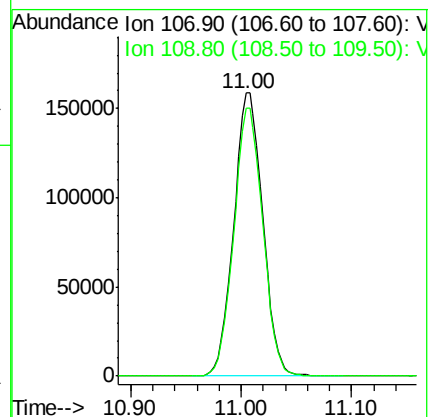
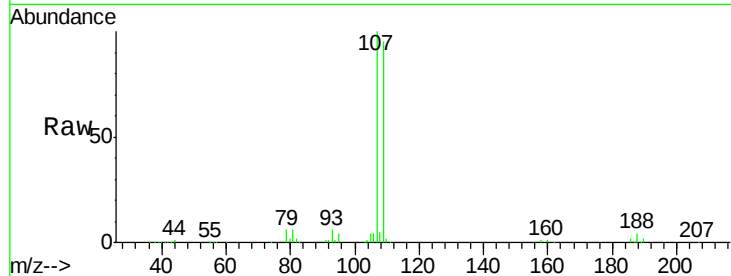
VSTDCCC050

Tot Ion: 107 Resp: 289457

Ion Ratio Lower Upper

107 100

109 94.8 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 48.323 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

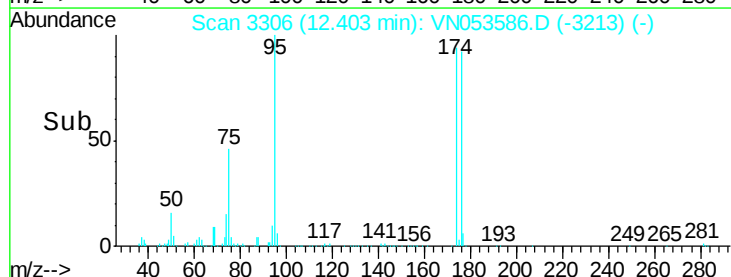
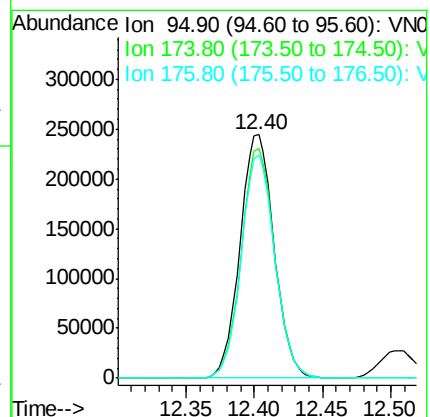
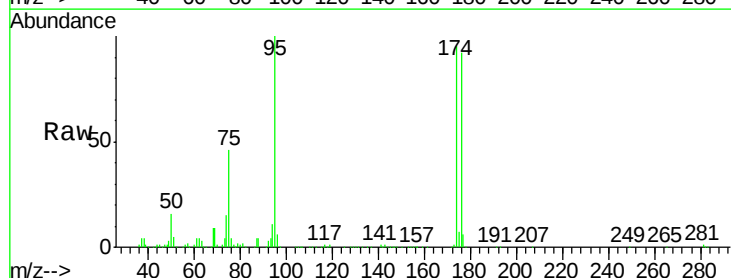
Tgt Ion: 95 Resp: 423368

Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.2

176 90.0 0.0 177.4

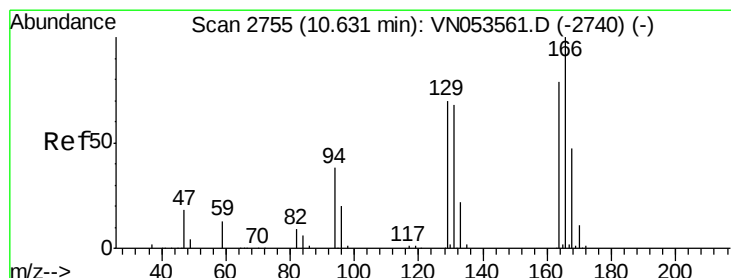
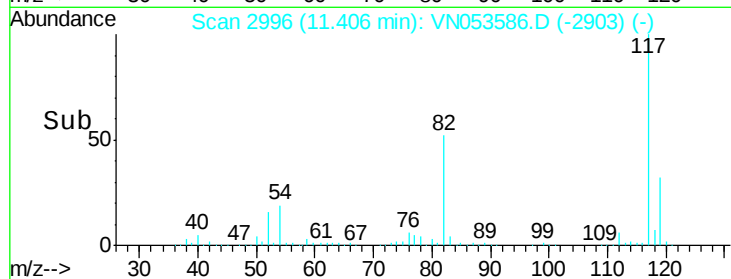
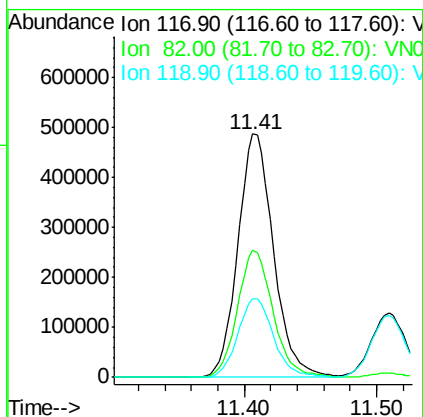
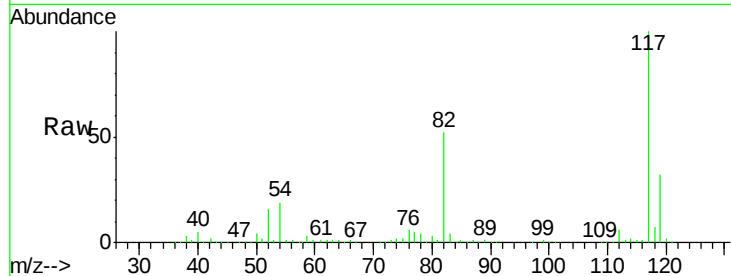




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

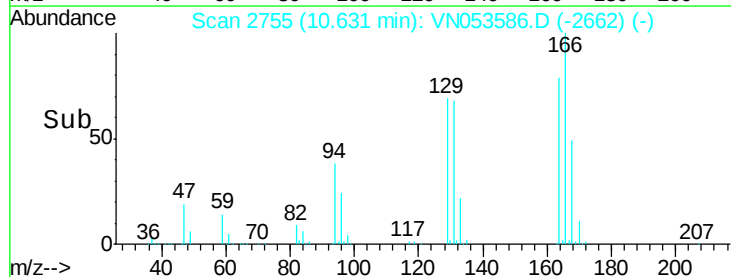
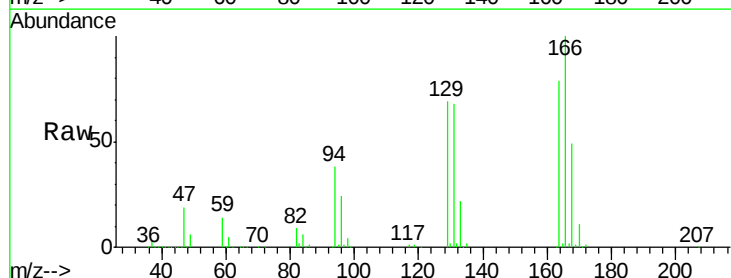
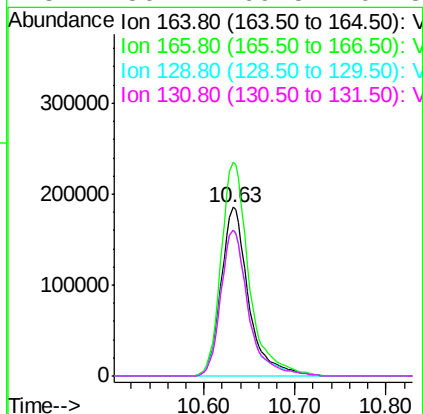
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:117 Resp: 909183  
Ion Ratio Lower Upper  
117 100  
82 52.2 42.9 64.3  
119 32.0 26.0 39.0



#64  
Tetrachloroethene  
Concen: 49.811 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion:164 Resp: 388208  
Ion Ratio Lower Upper  
164 100  
166 126.5 102.2 153.4  
129 86.8 72.6 109.0  
131 86.1 69.5 104.3





#65

Chlorobenzene

Concen: 49.066 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampled :

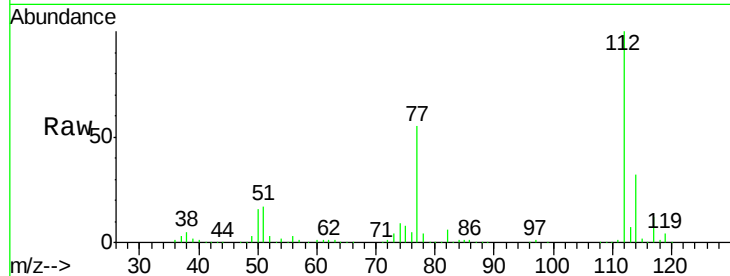
VSTDCCC050

Tot Ion:112 Resp: 947561

Ion Ratio Lower Upper

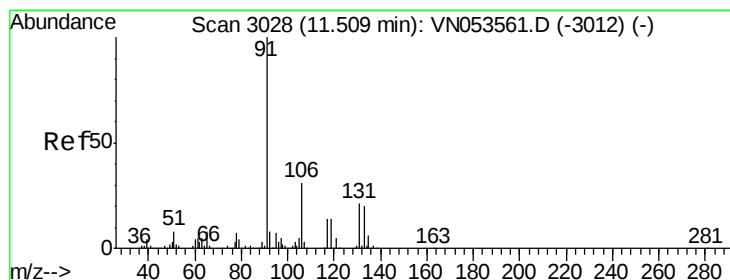
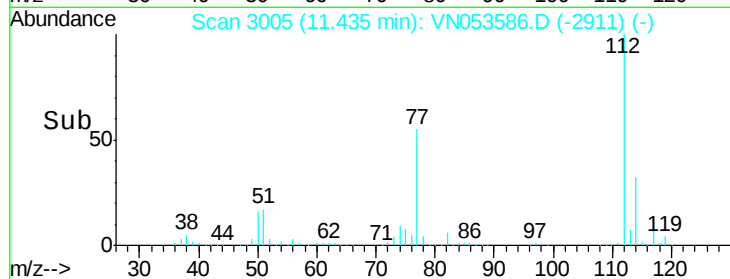
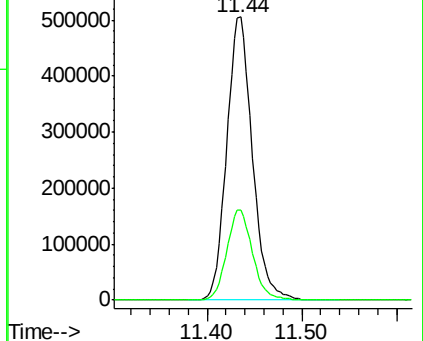
112 100

114 31.9 25.3 37.9



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: 49.912 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

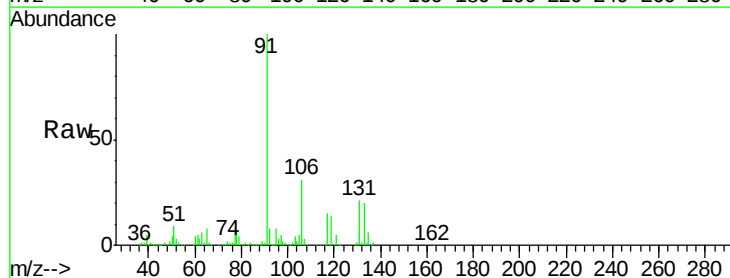
Tgt Ion:131 Resp: 336631

Ion Ratio Lower Upper

131 100

133 96.7 48.0 144.0

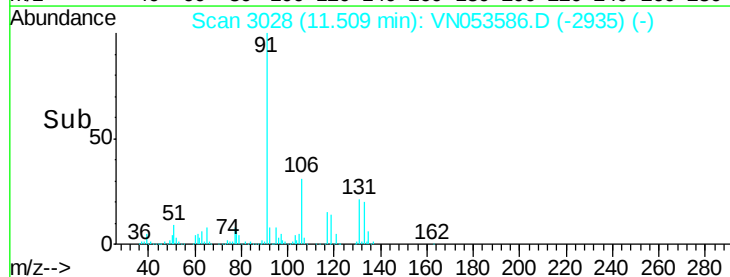
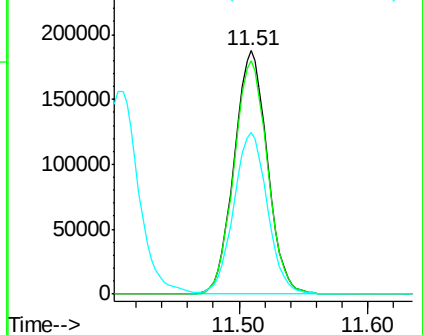
119 67.1 33.5 100.5

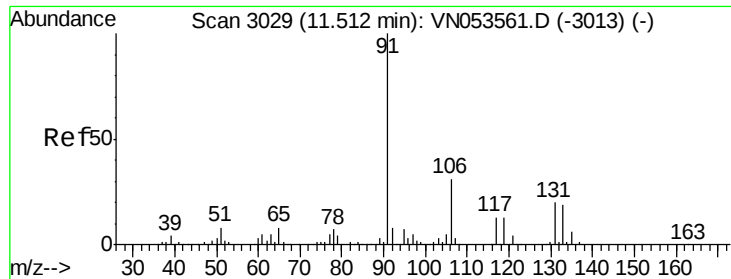


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

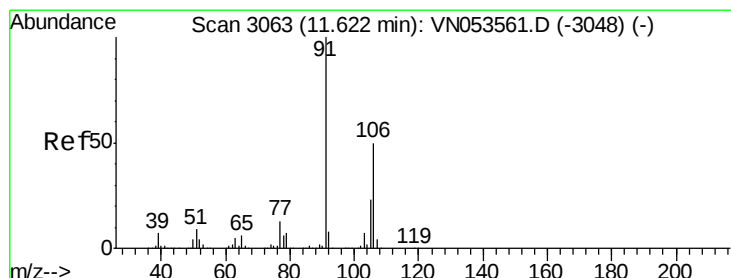
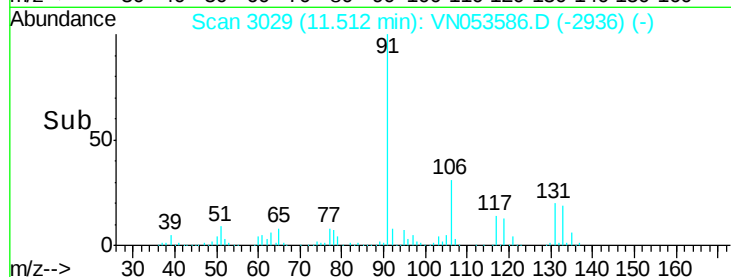
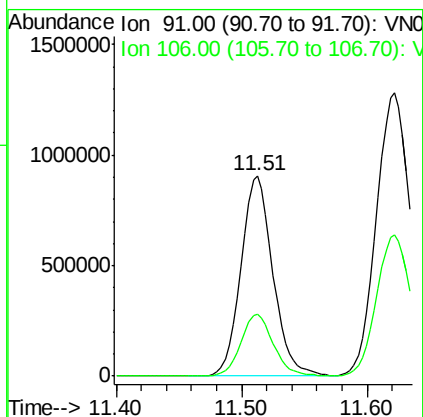
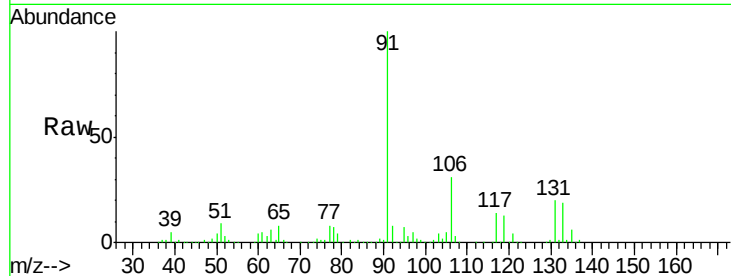




#67  
Ethyl Benzene  
Concen: 50.449 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

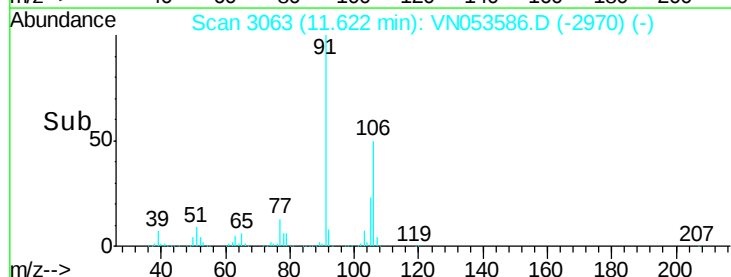
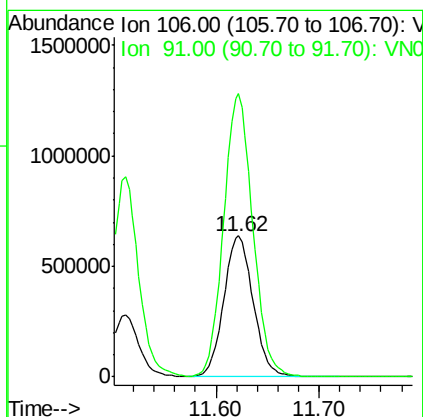
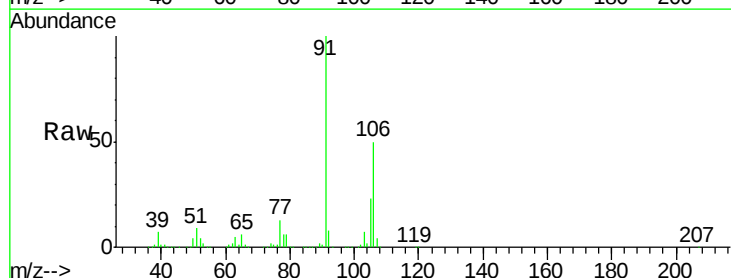
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

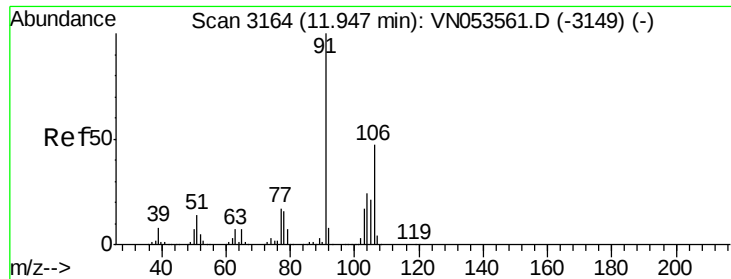
Tot Ion: 91 Resp: 1600416  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.0 37.6



#68  
m/p-Xylenes  
Concen: 104.247 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion: 106 Resp: 1262198  
Ion Ratio Lower Upper  
106 100  
91 199.6 161.4 242.2

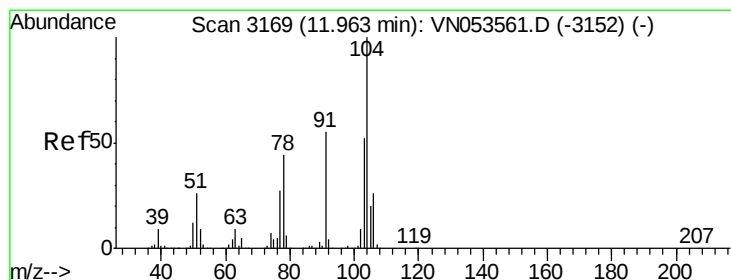
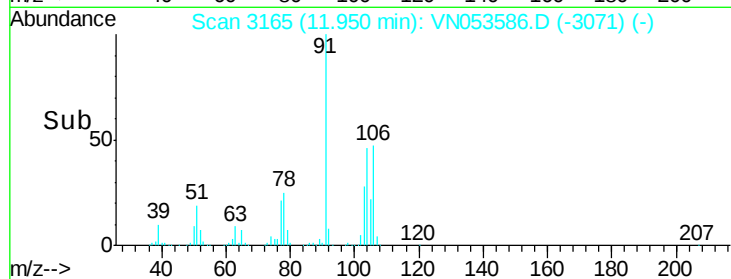
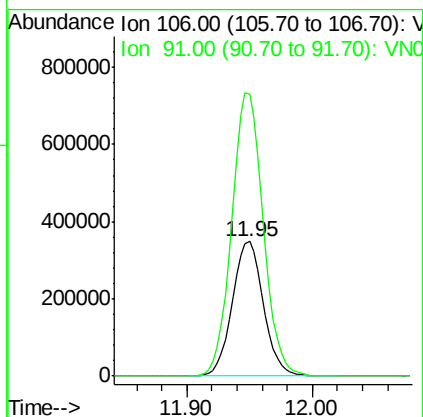
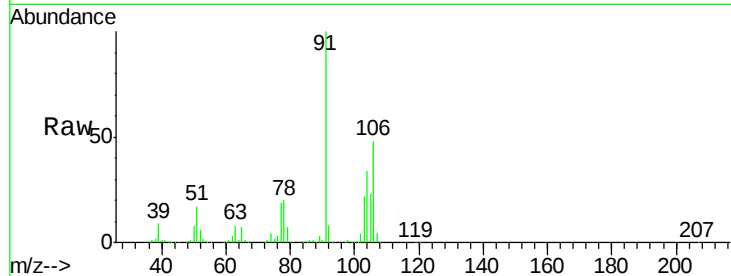




#69  
o-Xylene  
Concen: 51.390 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

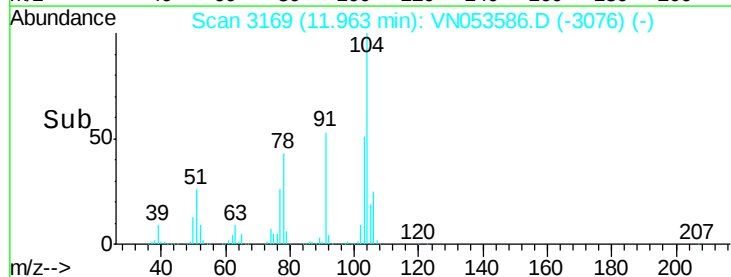
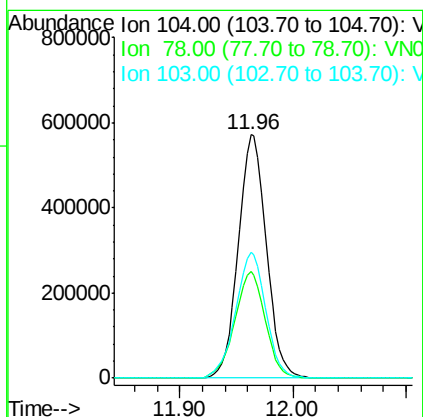
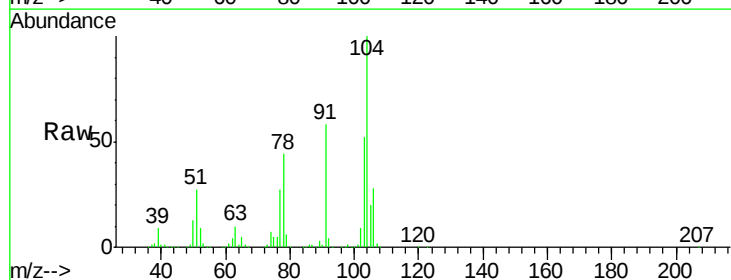
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

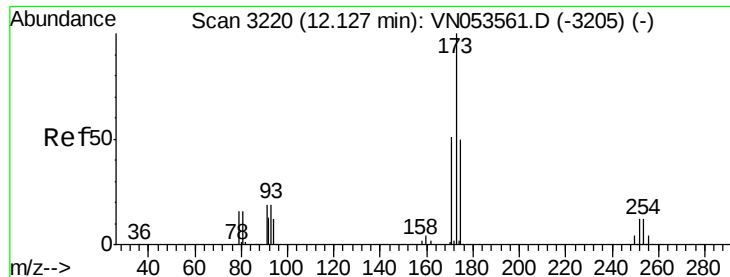
Tot Ion:106 Resp: 601123  
Ion Ratio Lower Upper  
106 100  
91 212.6 106.9 320.8



#70  
Styrene  
Concen: 52.322 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion:104 Resp: 991990  
Ion Ratio Lower Upper  
104 100  
78 47.5 38.2 57.2  
103 55.4 44.4 66.6

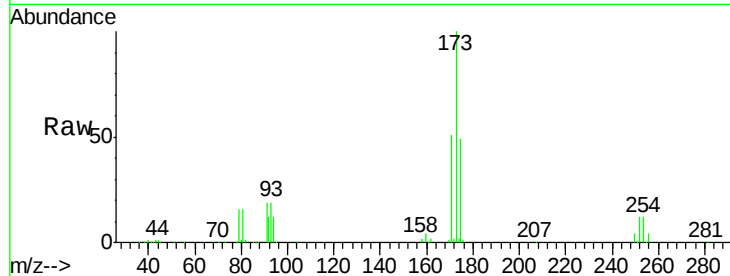




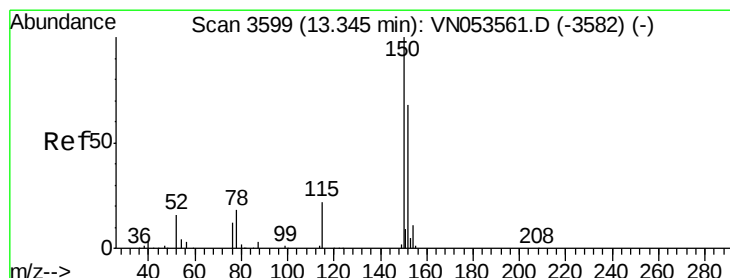
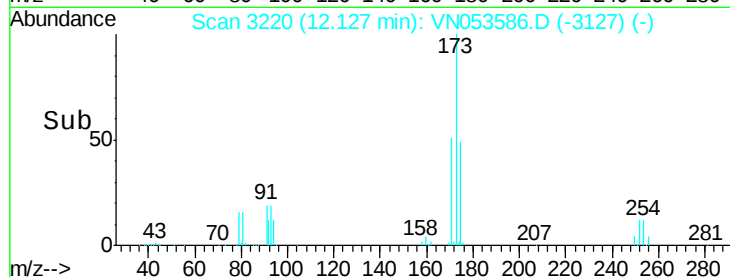
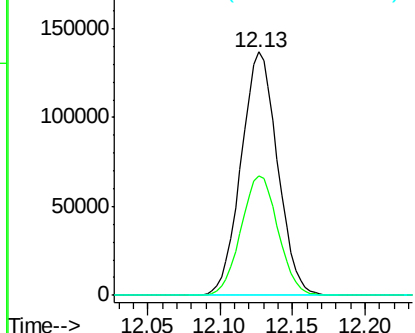
#71  
Bromoform  
Concen: 51.809 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:173 Resp: 239560  
Ion Ratio Lower Upper  
173 100  
175 49.8 24.6 74.0  
254 0.2 0.2 0.2

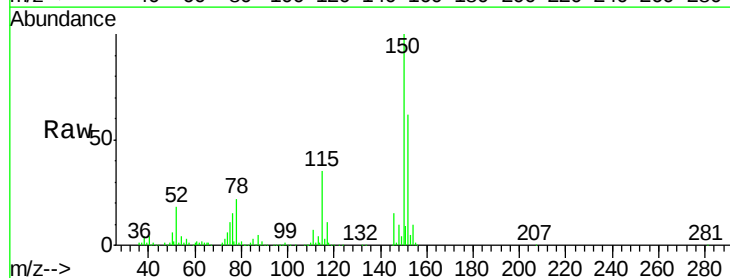


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

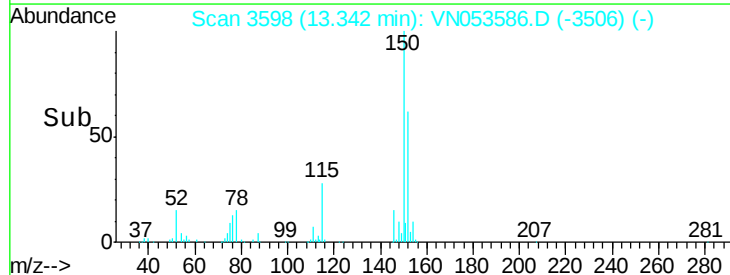
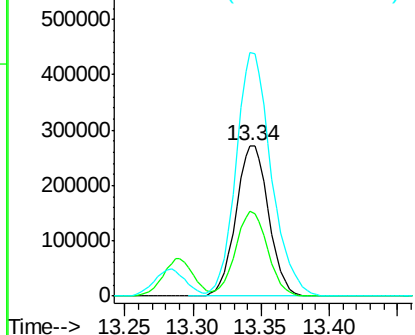


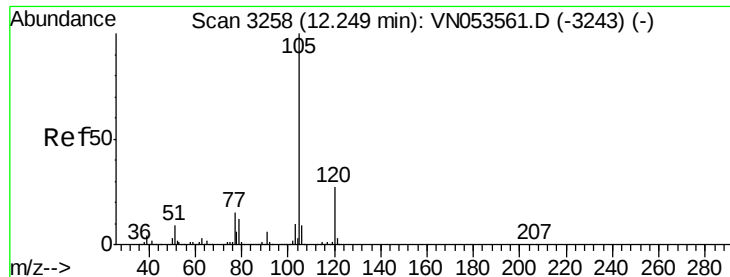
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion:152 Resp: 451534  
Ion Ratio Lower Upper  
152 100  
115 55.4 27.8 83.4  
150 174.1 0.0 349.0



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





#73

Isopropylbenzene

Concen: 49.894 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

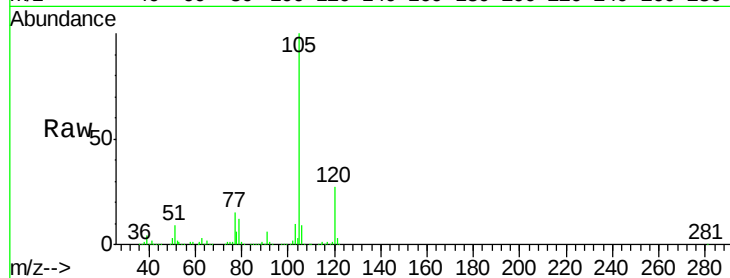
VSTDCCC050

Tot Ion:105 Resp: 1583741

Ion Ratio Lower Upper

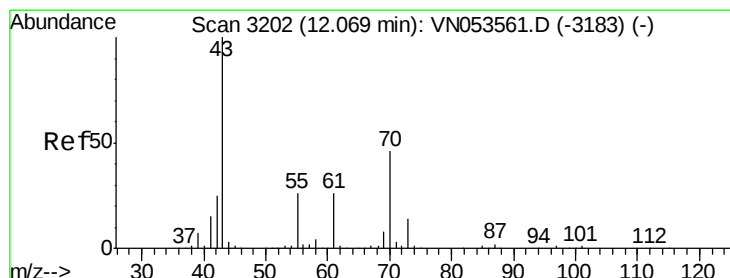
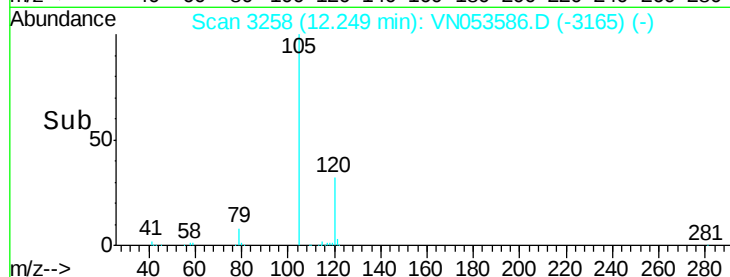
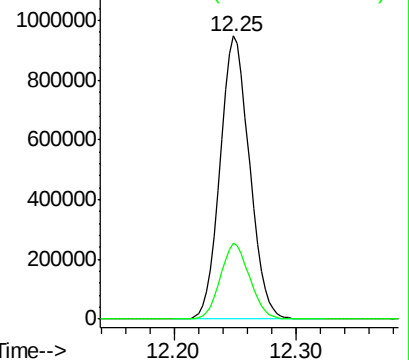
105 100

120 26.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.894 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Tgt Ion: 43 Resp: 357940

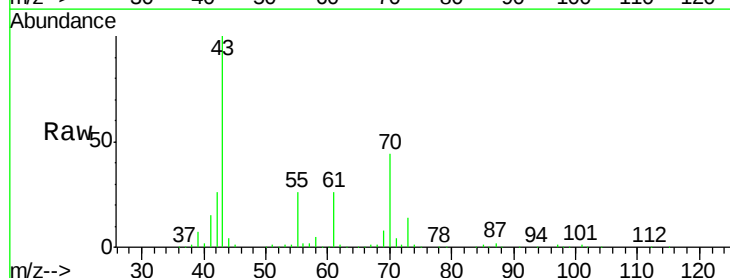
Ion Ratio Lower Upper

43 100

70 45.1 35.4 53.2

55 26.6 20.9 31.3

61 26.0 20.5 30.7

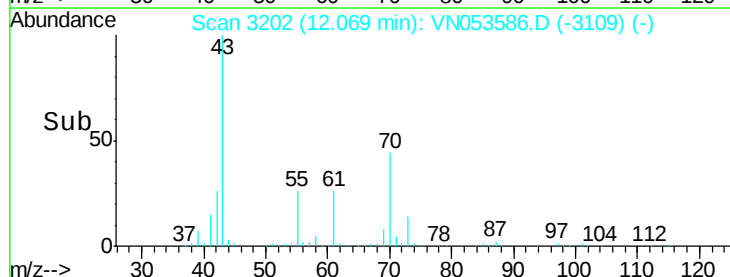
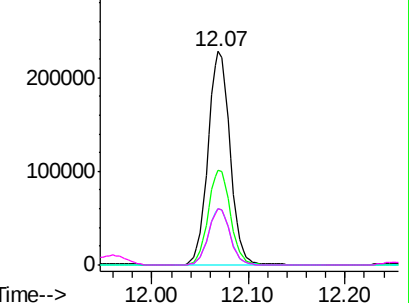


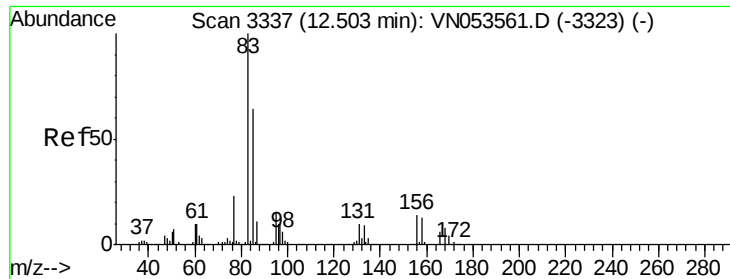
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 45.050 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

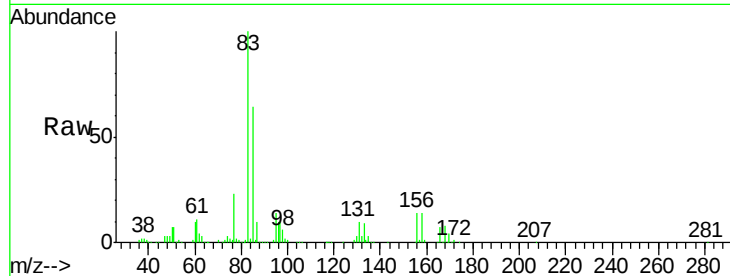
Tot Ion: 83 Resp: 342229

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

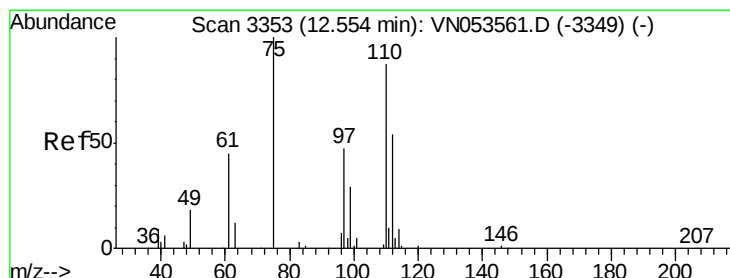
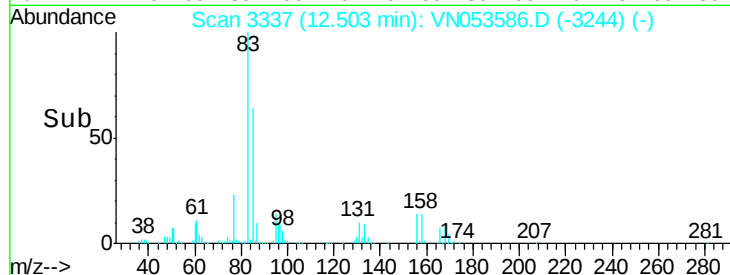
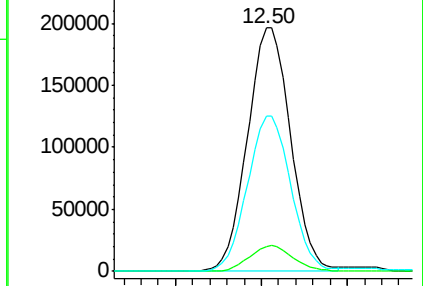
85 64.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053586.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053586.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053586.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 73.106 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053586.D

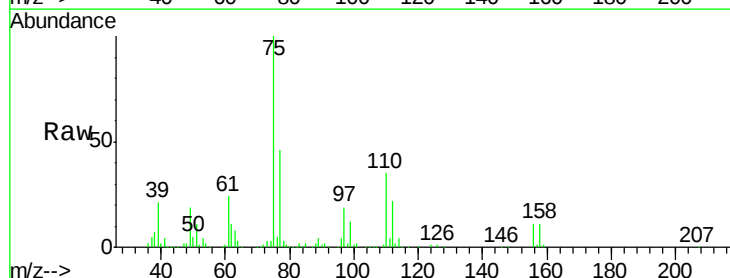
Acq: 4 Feb 2019 10:09

Tgt Ion: 75 Resp: 423994

Ion Ratio Lower Upper

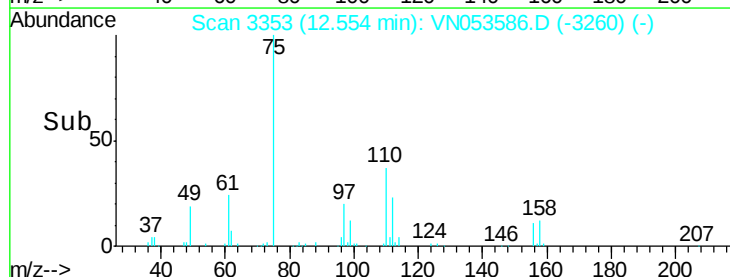
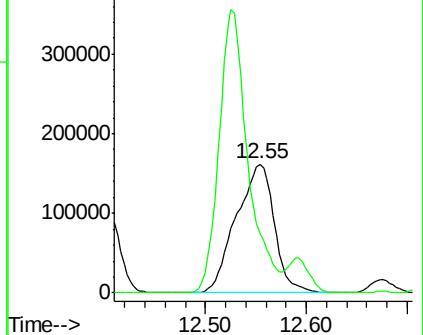
75 100

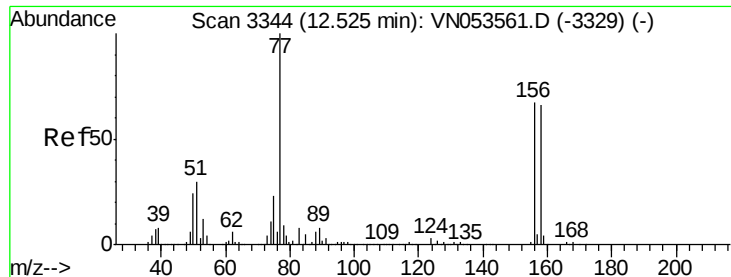
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053586.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053586.D (-3260) (-)





#77

Bromobenzene

Concen: 48.877 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

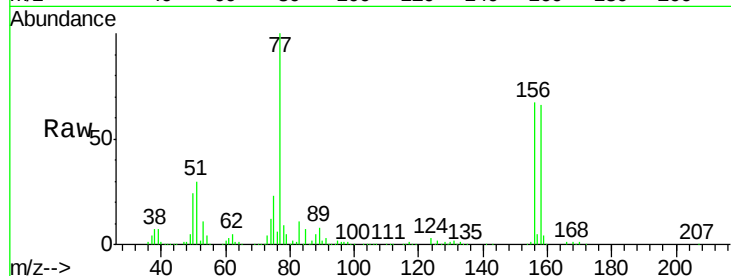
Tot Ion:156 Resp: 418134

Ion Ratio Lower Upper

156 100

77 169.6 87.9 263.8

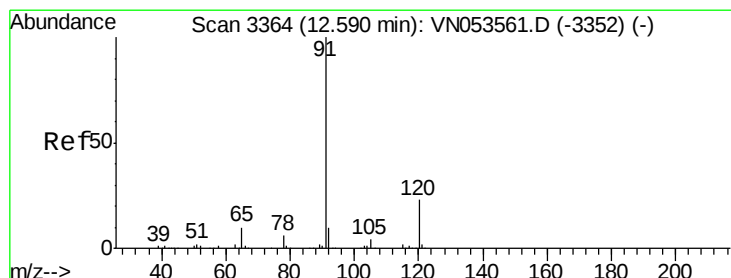
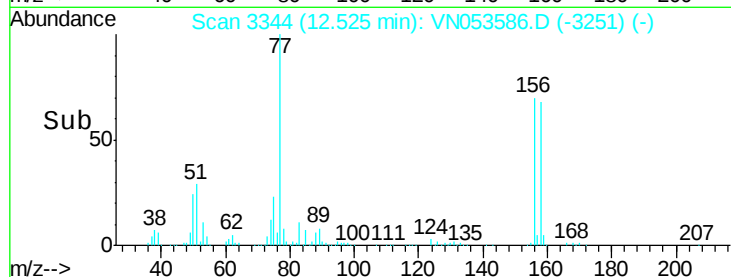
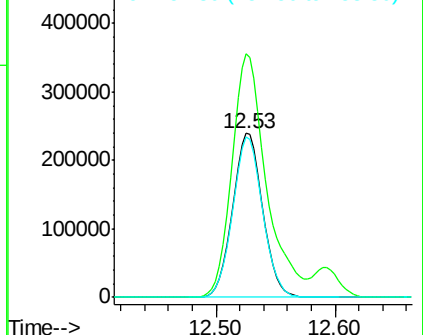
158 97.4 48.8 146.4



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: 51.154 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053586.D

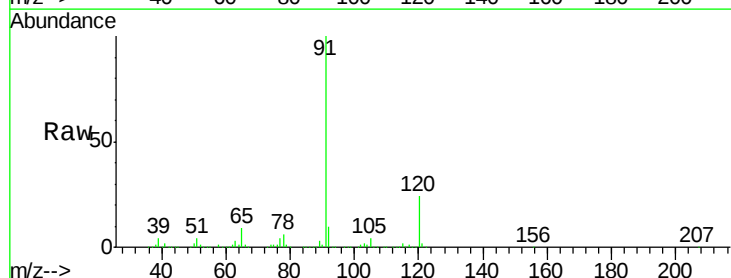
Acq: 4 Feb 2019 10:09

Tgt Ion: 91 Resp: 1877078

Ion Ratio Lower Upper

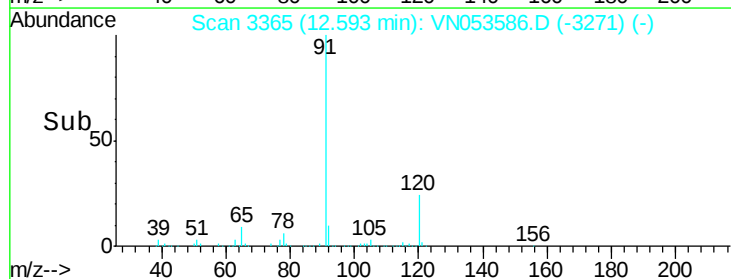
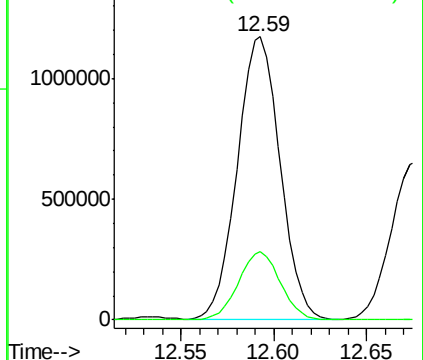
91 100

120 23.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.917 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

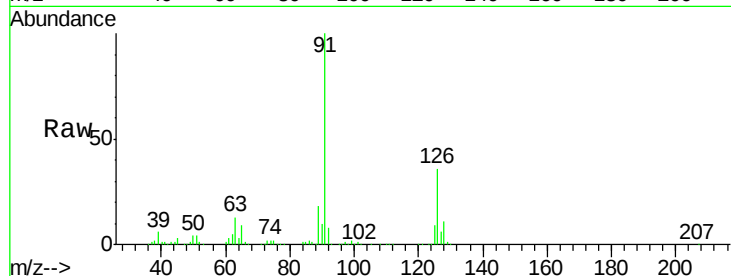
VSTDCCC050

Tot Ion: 91 Resp: 1086698

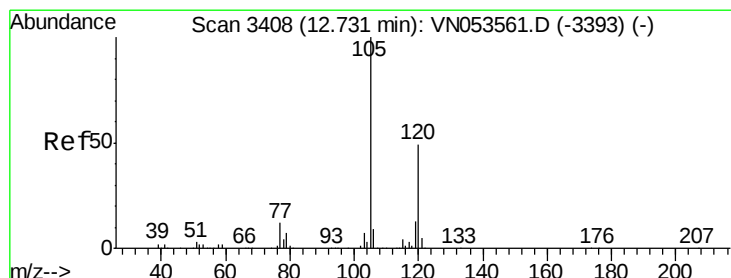
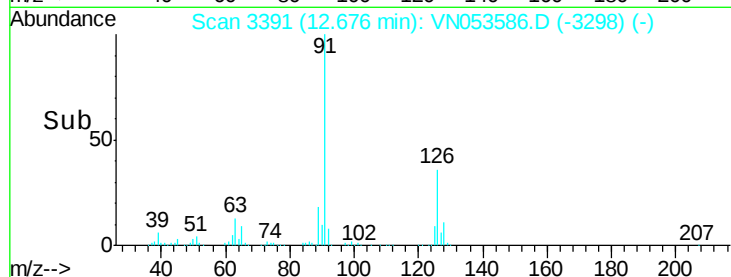
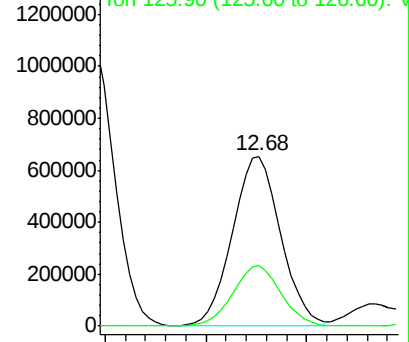
Ion Ratio Lower Upper

91 100

126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053586.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.199 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053586.D

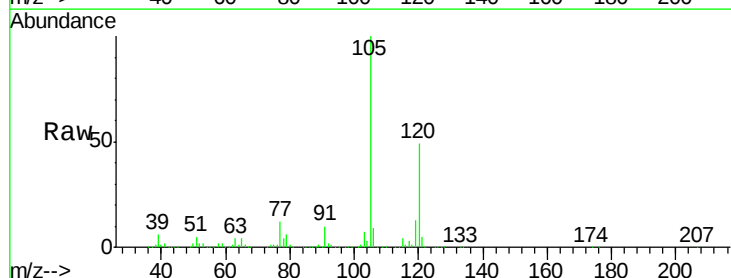
Acq: 4 Feb 2019 10:09

Tgt Ion: 105 Resp: 1373973

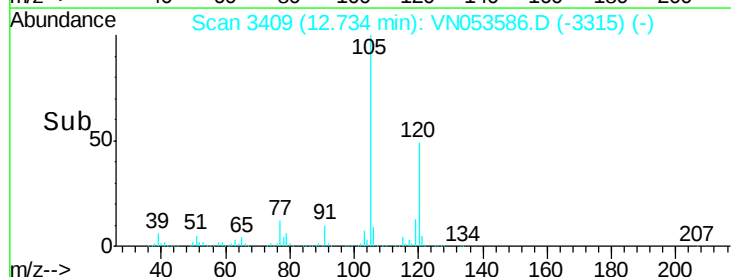
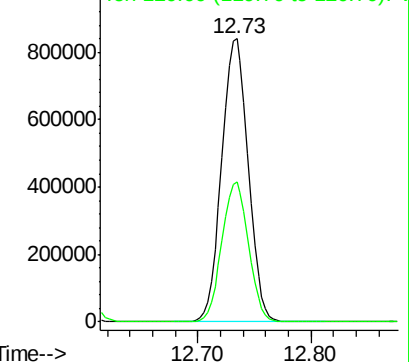
Ion Ratio Lower Upper

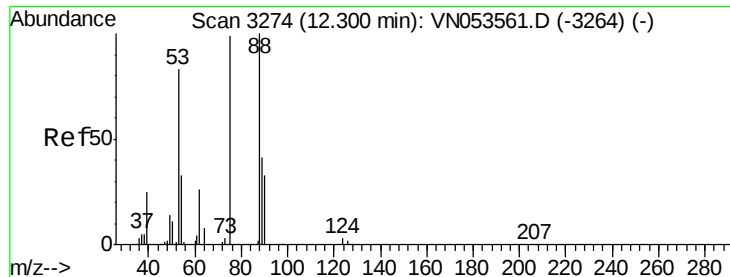
105 100

120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053586.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.551 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

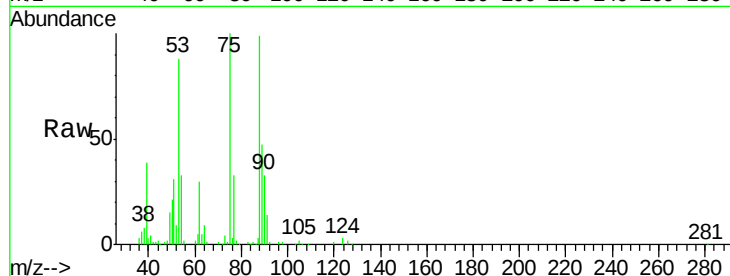
Tot Ion: 75 Resp: 98075

Ion Ratio Lower Upper

75 100

53 87.5 69.8 104.6

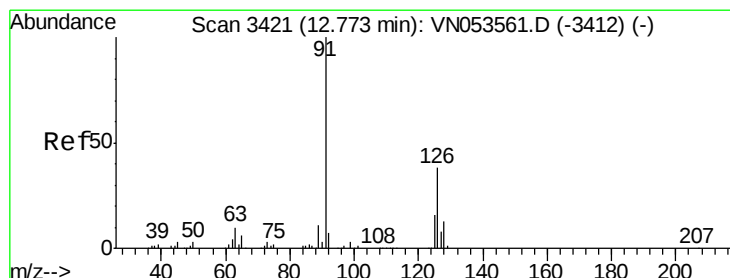
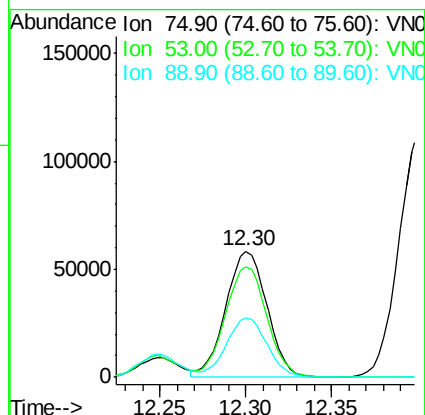
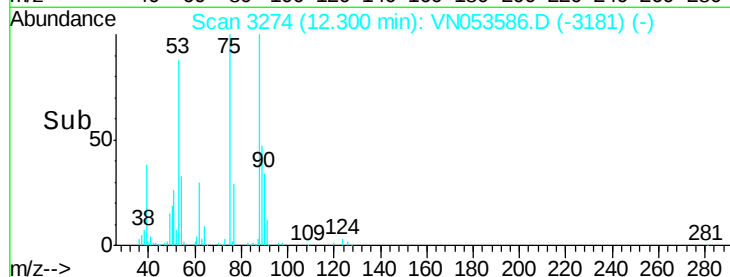
89 46.6 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.433 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053586.D

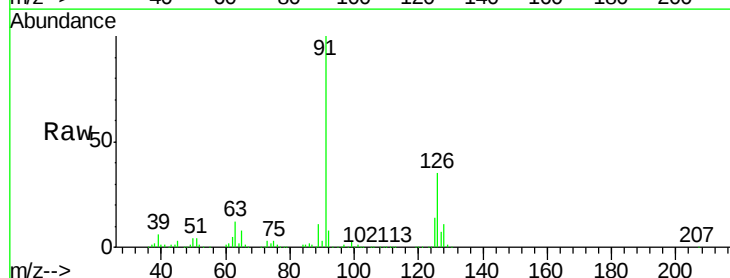
Acq: 4 Feb 2019 10:09

Tgt Ion: 91 Resp: 1126617

Ion Ratio Lower Upper

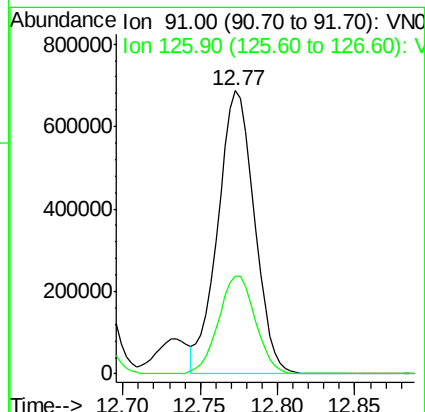
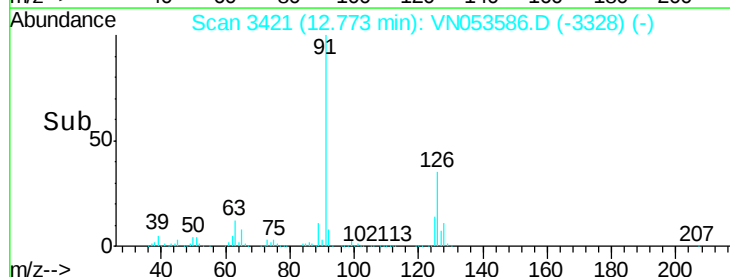
91 100

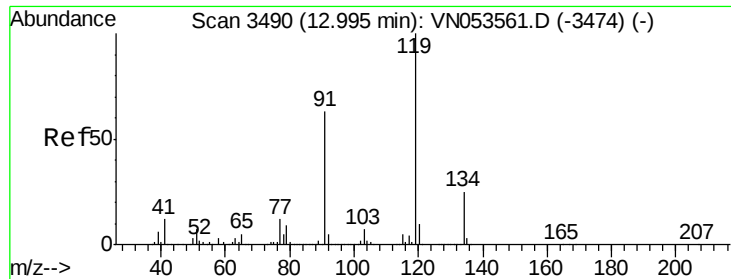
126 35.0 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): VN0

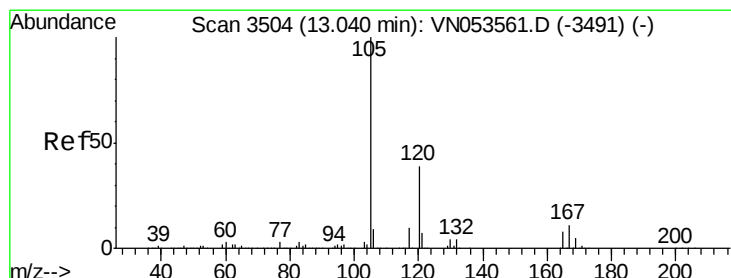
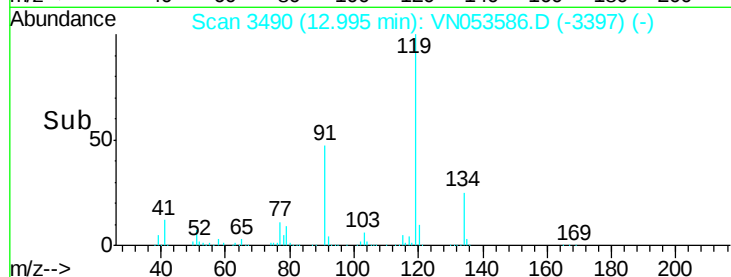
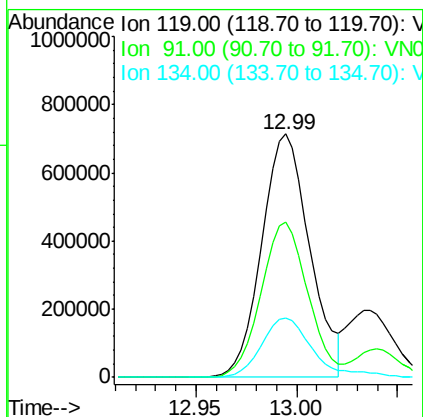
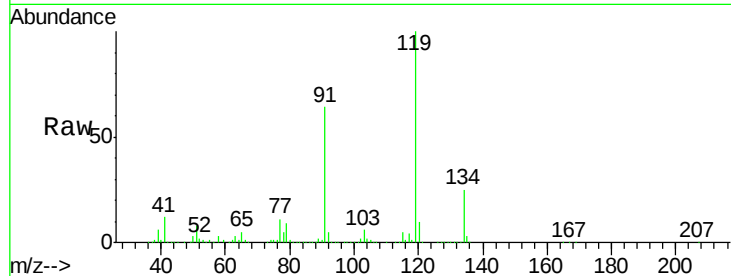




#83  
tert-Butylbenzene  
Concen: 50.923 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

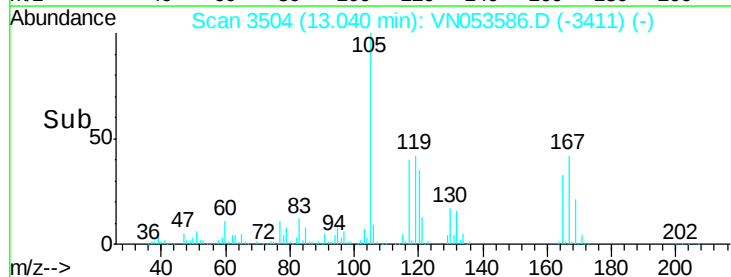
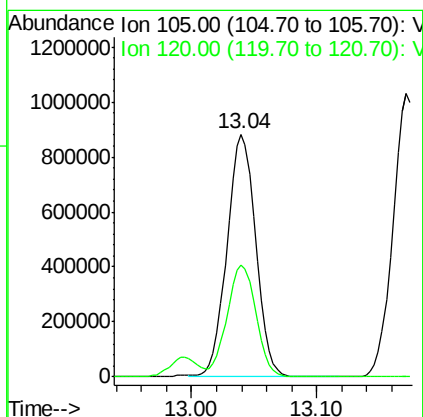
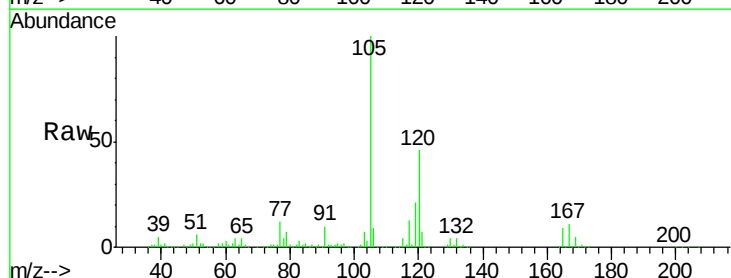
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

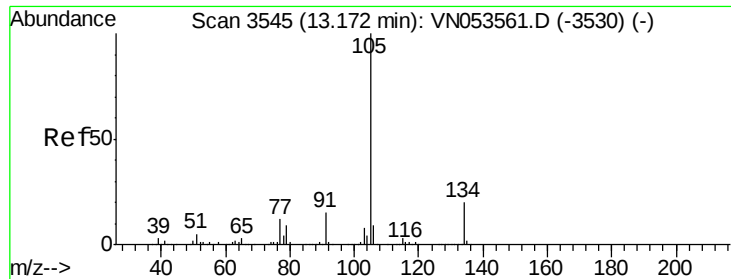
Tot Ion:119 Resp: 1184679  
Ion Ratio Lower Upper  
119 100  
91 62.5 31.3 93.8  
134 26.2 12.9 38.7



#84  
1,2,4-Trimethylbenzene  
Concen: 52.083 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN053586.D  
Acq: 4 Feb 2019 10:09

Tgt Ion:105 Resp: 1396724  
Ion Ratio Lower Upper  
105 100  
120 46.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 51.649 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

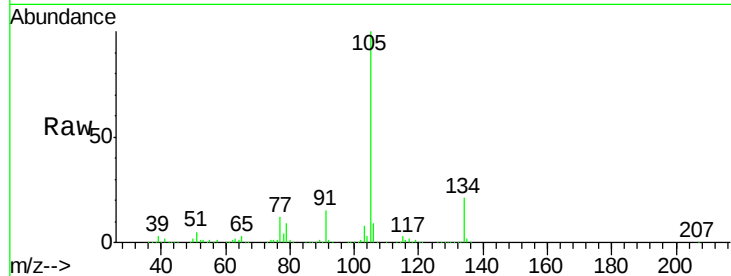
VSTDCCC050

Tot Ion:105 Resp: 1635087

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

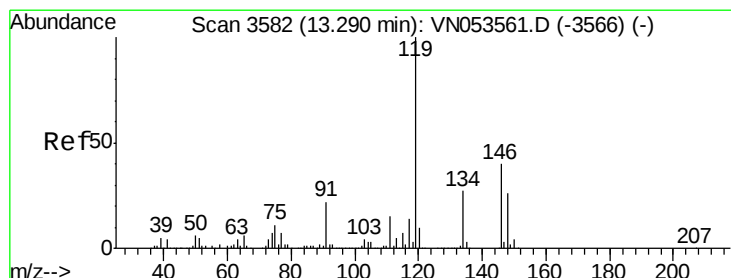
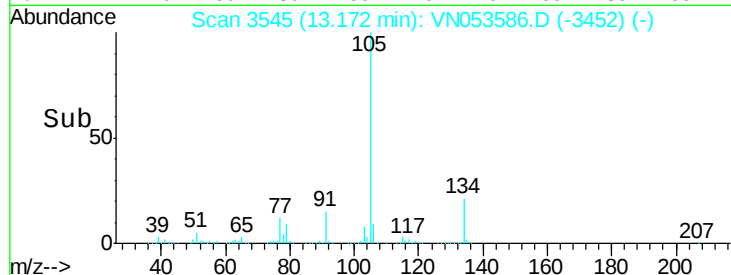
400000

200000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 53.089 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

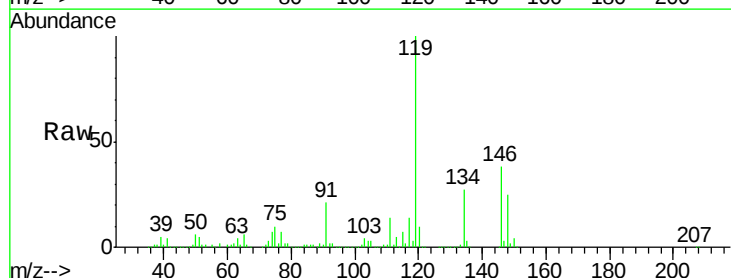
Tgt Ion:119 Resp: 1469904

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.8 11.0 33.0



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

1200000

1000000

800000

600000

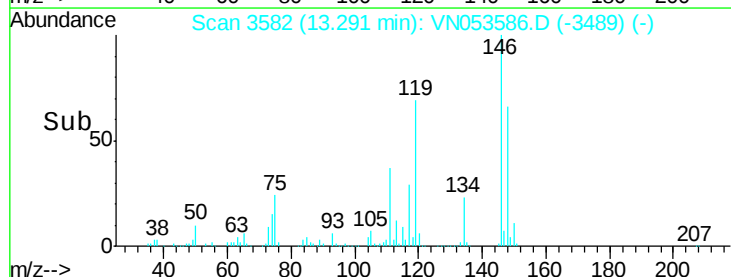
400000

200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.751 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

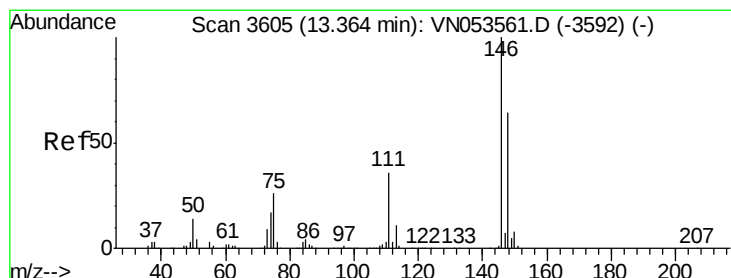
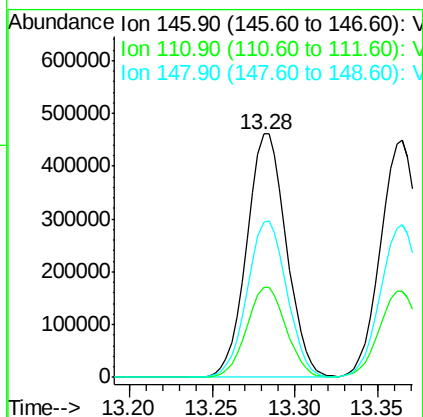
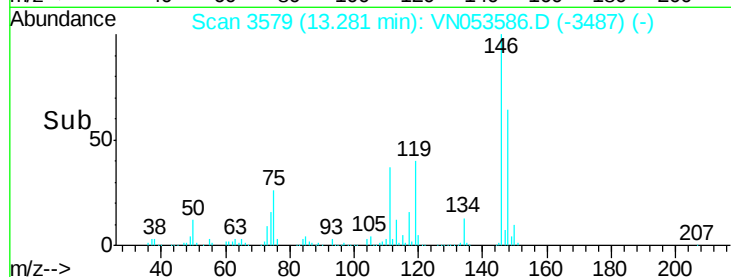
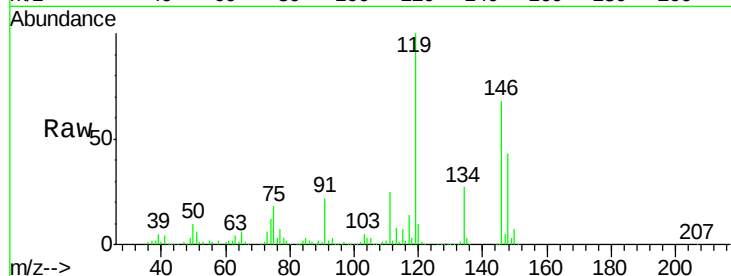
Tot Ion:146 Resp: 765090

Ion Ratio Lower Upper

146 100

111 37.1 18.8 56.3

148 64.3 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 49.130 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

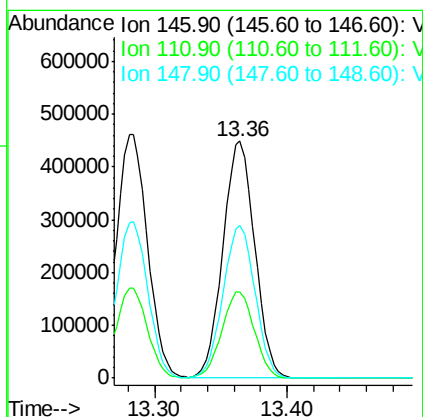
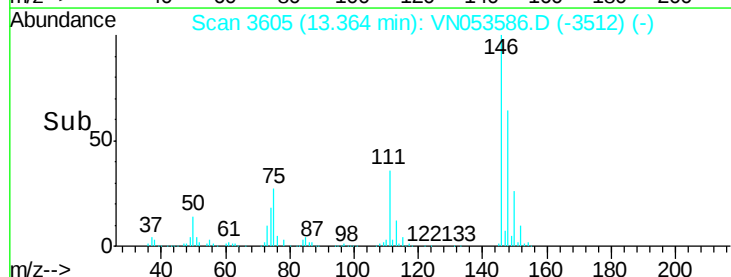
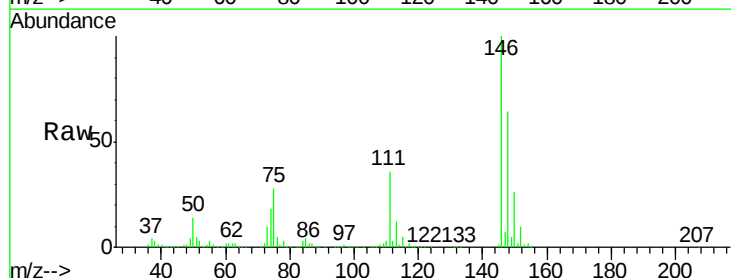
Tgt Ion:146 Resp: 747380

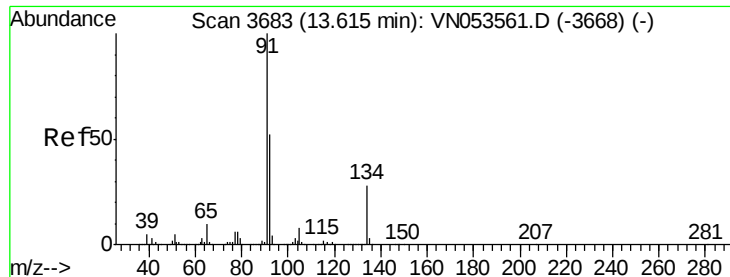
Ion Ratio Lower Upper

146 100

111 37.0 18.6 55.8

148 65.0 32.4 97.0





#89

n-Butylbenzene

Concen: 53.602 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

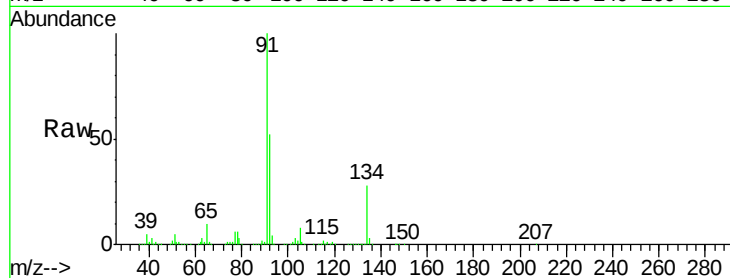
Tot Ion: 91 Resp: 1284580

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 52.5  | 26.3  | 78.8  |
| 134 | 27.2  | 13.5  | 40.5  |

91 100

92 52.5 26.3 78.8

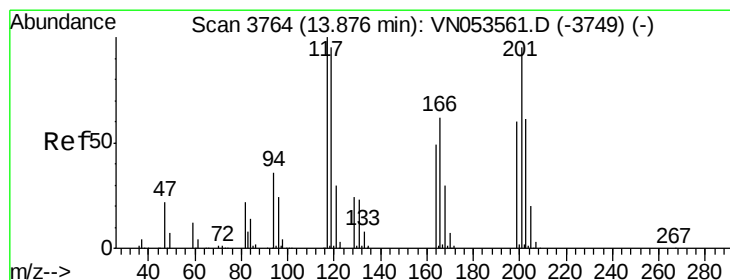
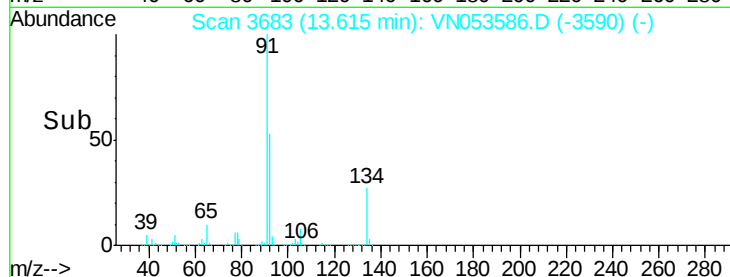
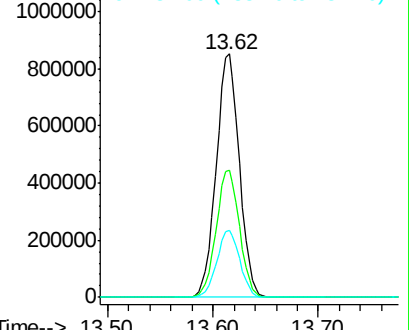
134 27.2 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053561.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053561.D (-3668) (-)



#90

Hexachloroethane

Concen: 51.738 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053586.D

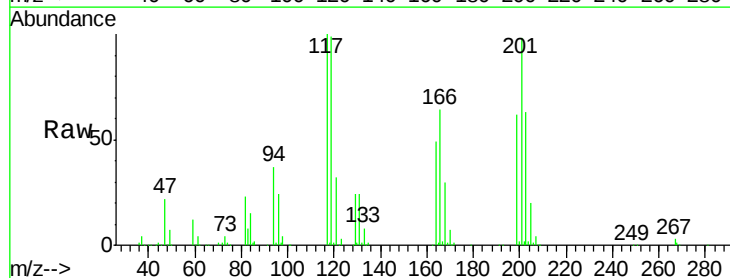
Acq: 4 Feb 2019 10:09

Tgt Ion: 117 Resp: 236284

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 96.0  | 46.8  | 140.4 |

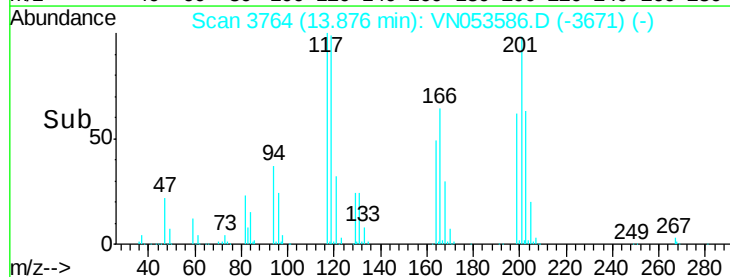
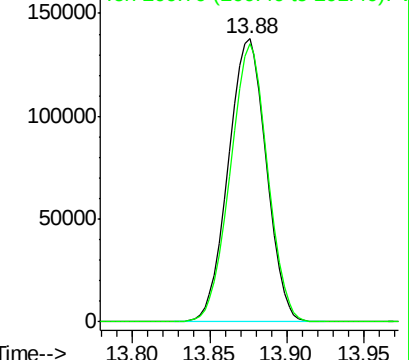
117 100

201 96.0 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053561.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 49.421 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

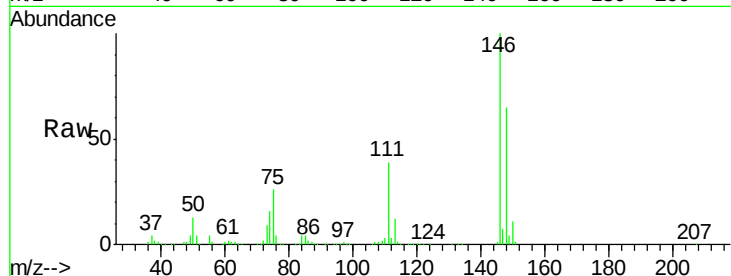
Tot Ion:146 Resp: 727607

Ion Ratio Lower Upper

146 100

111 38.9 19.5 58.5

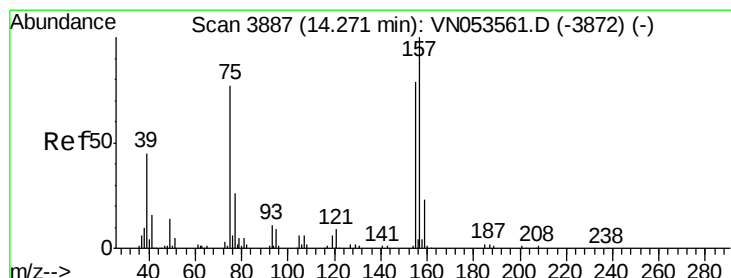
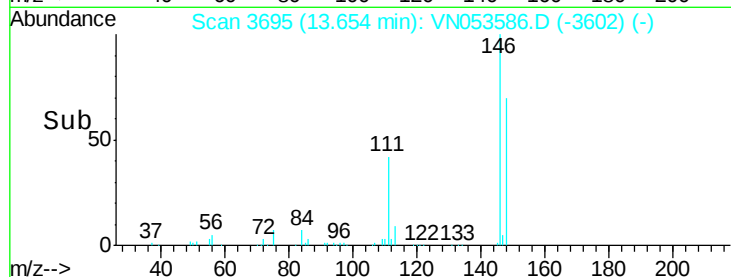
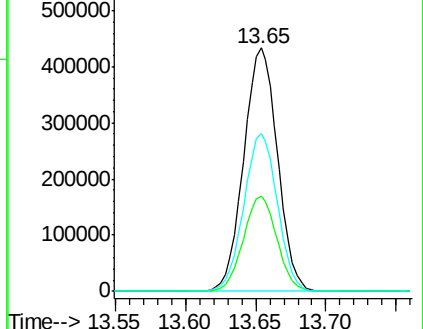
148 64.5 31.9 95.9



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: 46.399 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

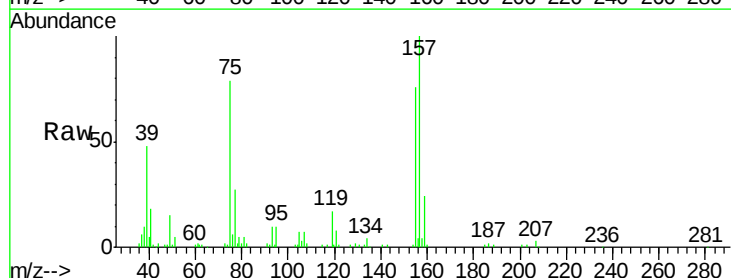
Tgt Ion: 75 Resp: 50235

Ion Ratio Lower Upper

75 100

155 96.6 48.9 146.7

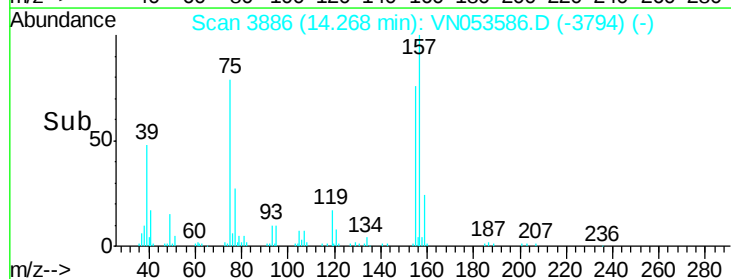
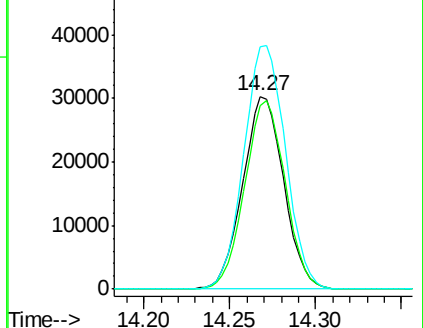
157 128.5 63.7 191.3

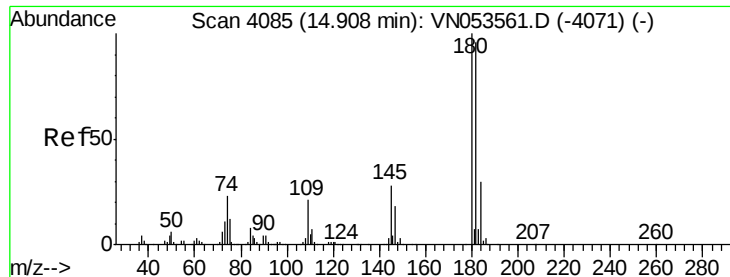


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

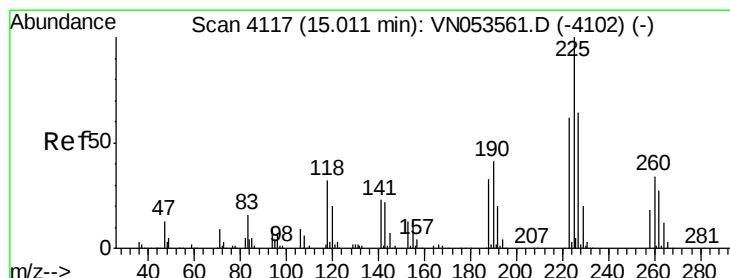
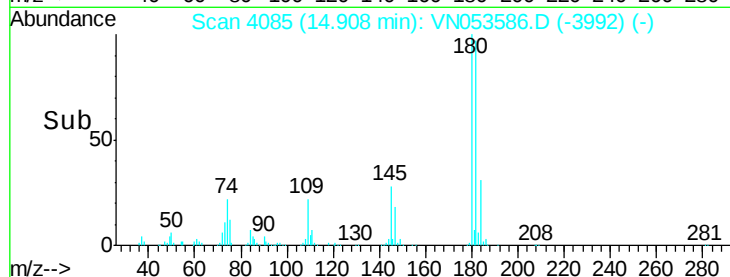
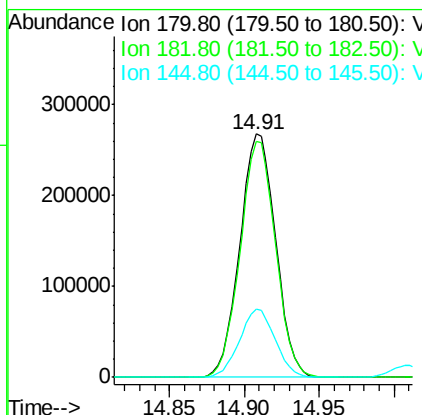
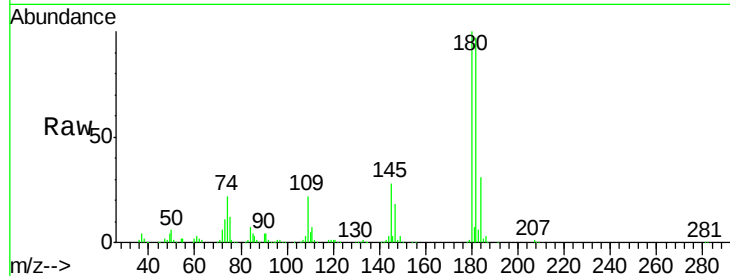




#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.799 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

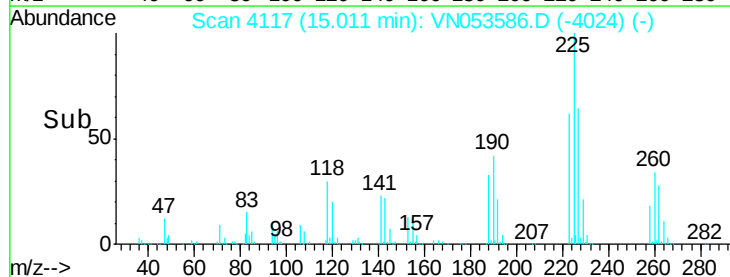
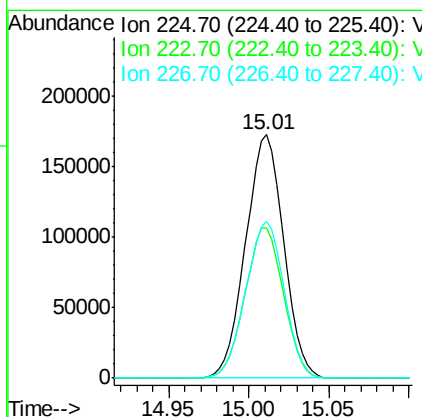
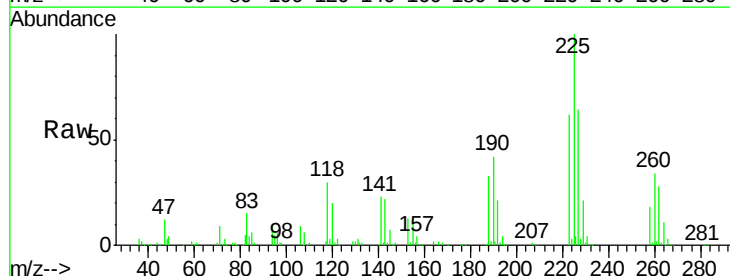
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:180 Resp: 445827  
 Ion Ratio Lower Upper  
 180 100  
 182 96.0 48.1 144.3  
 145 27.7 13.9 41.6



#94  
 Hexachlorobutadiene  
 Concen: 53.623 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053586.D  
 Acq: 4 Feb 2019 10:09

Tgt Ion:225 Resp: 281978  
 Ion Ratio Lower Upper  
 225 100  
 223 62.4 31.1 93.2  
 227 64.9 32.0 96.2





#95

Naphthalene

Concen: 43.979 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

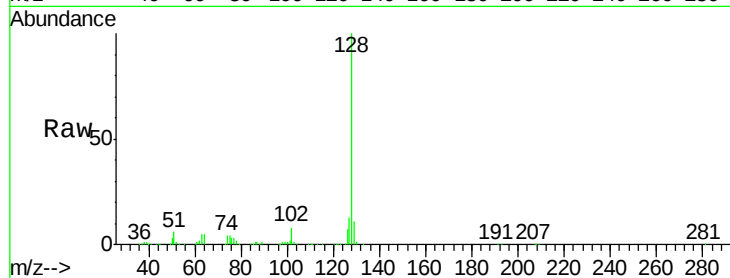
Tot Ion:128 Resp: 868027

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

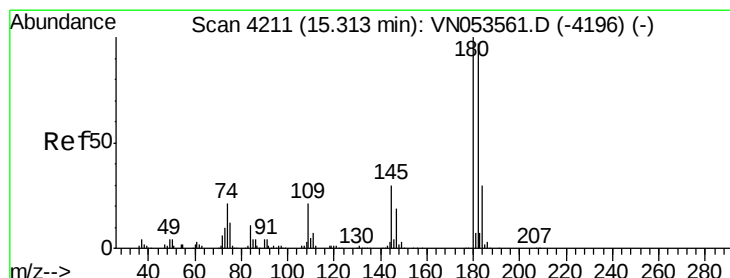
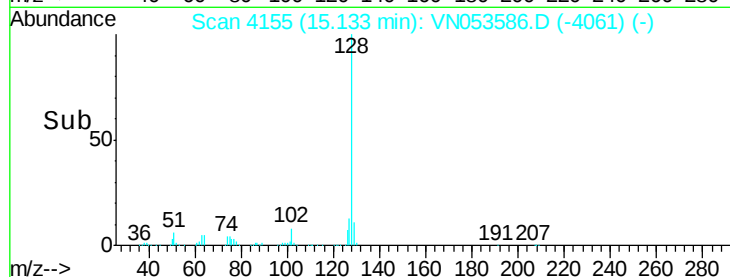
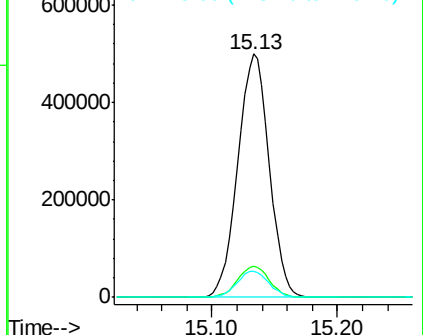
129 10.9 8.6 13.0



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: 50.730 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053586.D

Acq: 4 Feb 2019 10:09

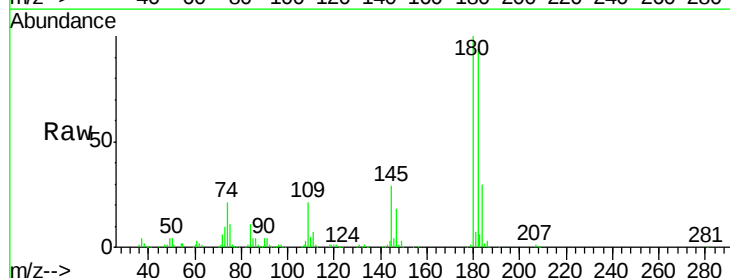
Tgt Ion:180 Resp: 397456

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.8

145 29.6 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

