

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\  
 Data File : VN055069.D  
 Acq On : 16 Apr 2019 11:04  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 17 01:38:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 15 12:28:28 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 442090   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 687994   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 590776   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 253053   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 268743   | 45.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.46%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 221525   | 48.18 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.36%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 810994   | 49.28 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.56%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 276253   | 51.64 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.28% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 237214  | 47.214  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 293750  | 44.827  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 246454  | 44.745  | ug/l   | 99     |
| 5) Bromomethane               | 2.56 | 94  | 136626  | 43.847  | ug/l   | 98     |
| 6) Chloroethane               | 2.71 | 64  | 137136  | 46.169  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 320351  | 46.506  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 97555   | 44.367  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 170521  | 47.303  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.94 | 142 | 300913  | 53.791  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 4.81 | 59  | 74179   | 230.291 | ug/l # | 94     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 157482  | 44.881  | ug/l   | 97     |
| 13) Acrolein                  | 3.61 | 56  | 94812   | 238.134 | ug/l   | 96     |
| 14) Allyl chloride            | 4.32 | 41  | 407756  | 47.474  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 432629  | 224.487 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 377231  | 236.511 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.04 | 76  | 524775  | 46.330  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 205600  | 44.679  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 585403  | 46.638  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.54 | 84  | 245386  | 43.765  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 220651  | 46.494  | ug/l   | 99     |
| 22) Diisopropyl ether         | 5.96 | 45  | 851996  | 48.254  | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2949631 | 252.738 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 440641  | 46.864  | ug/l   | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 571510  | 240.081 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 315479  | 53.161  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 253263  | 47.171  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 205741  | 45.393  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 344762  | 220.853 | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83  | 421116  | 46.109  | ug/l   | 100    |
| 31) Cyclohexane               | 7.65 | 56  | 411486  | 49.488  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 344119  | 47.557  | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 318124  | 49.051  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.94 | 43  | 236519  | 44.795  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 295728  | 47.926  | ug/l   | 100    |

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 VSTDCCC050

Quant Time: Apr 17 01:38:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 15 12:28:28 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 360381   | 51.278   | ug/l   | 96       |
| 40) Benzene                    | 8.04  | 78   | 947922   | 48.495   | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.17  | 41   | 140103   | 47.801   | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 323497   | 47.667   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 398241   | 48.949   | ug/l   | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 247227   | 50.496   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 269448   | 49.428   | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 149386   | 48.145   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 318551   | 49.795   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 200229   | 49.653   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 40056    | 1060.229 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1136355  | 241.763  | ug/l   | 98       |
| 52) Toluene                    | 10.15 | 92   | 565288   | 50.493   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 305894   | 54.716   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 379341   | 54.670   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 209329   | 48.531   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 269785   | 52.118   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 360280   | 49.059   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 473669   | 210.121  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 723263   | 244.990  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 217386   | 51.613   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 198107   | 49.901   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 229058   | 47.681   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 585086   | 49.201   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 222640   | 50.904   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1081786  | 50.940   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 787559   | 102.412  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 385430   | 51.748   | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 642947   | 53.328   | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 134446   | 53.629   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1025044  | 45.648   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 311099   | 49.216   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 251343   | 41.831   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 295983   | 65.044   | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 249767   | 44.616   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1154786  | 47.598   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 692578   | 45.768   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 851249   | 46.975   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 58171    | 51.119   | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 684989   | 48.518   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 716870   | 46.843   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 833664   | 48.544   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 933772   | 47.884   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 830690   | 49.652   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 422885   | 49.698   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 405018   | 49.914   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 696228   | 56.058   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 133590   | 49.074   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 408967   | 47.769   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 33936    | 45.865   | ug/l   | 96       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

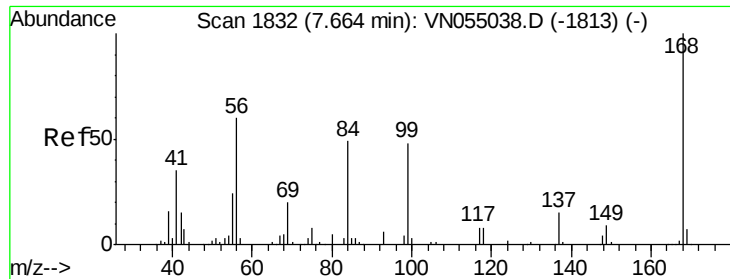
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Apr 17 01:38:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
Quant Title : SW846 8260  
QLast Update : Mon Apr 15 12:28:28 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 201401   | 51.794 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 140535   | 53.146 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 406340   | 45.079 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 199237   | 60.324 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

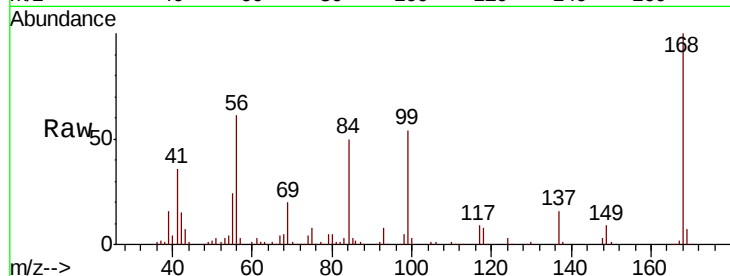
VSTDCCC050

Tot Ion:168 Resp: 442090

Ion Ratio Lower Upper

168 100

99 52.7 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

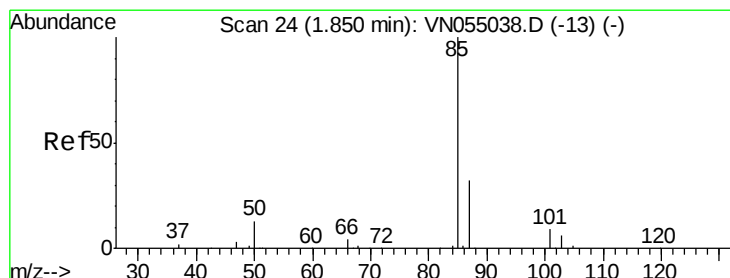
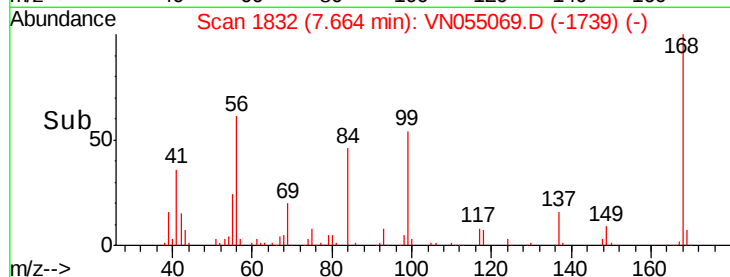
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.214 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055069.D

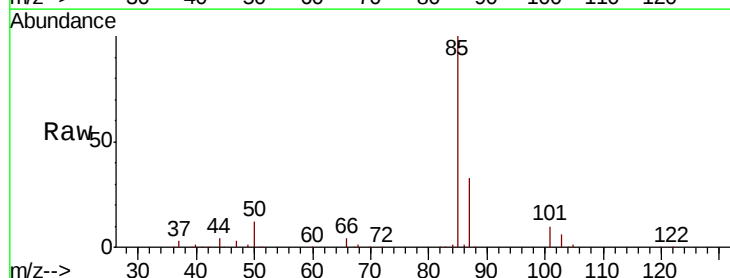
Acq: 16 Apr 2019 11:04

Tgt Ion: 85 Resp: 237214

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

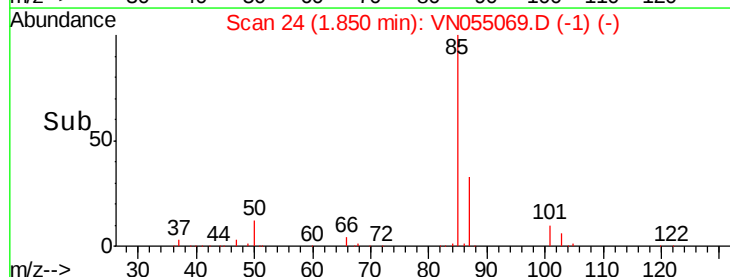
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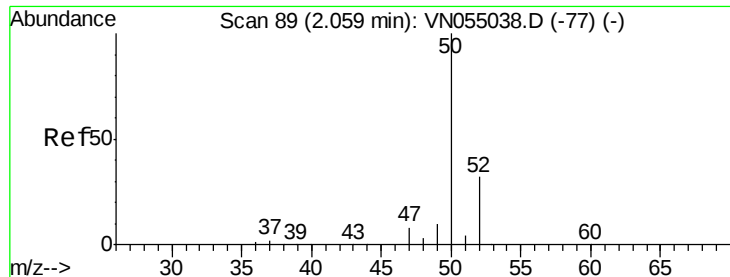
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50000

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Time-->





#3

Chloromethane

Concen: 44.827 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

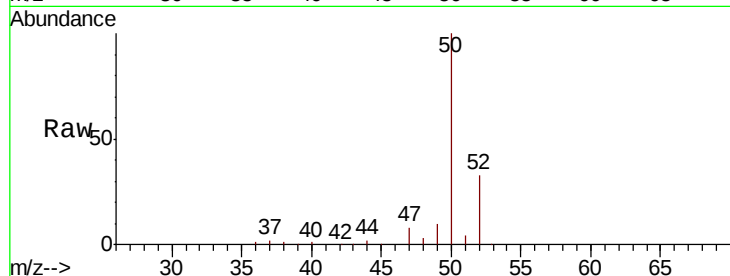
VSTDCCC050

Tot Ion: 50 Resp: 293750

Ion Ratio Lower Upper

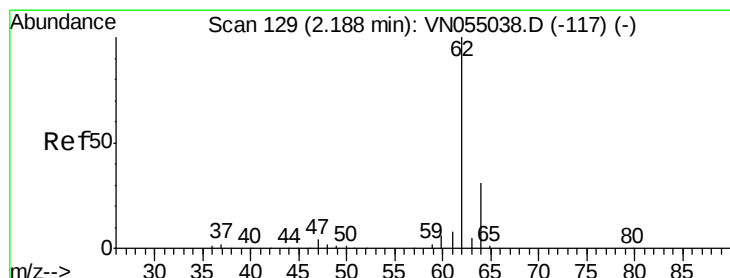
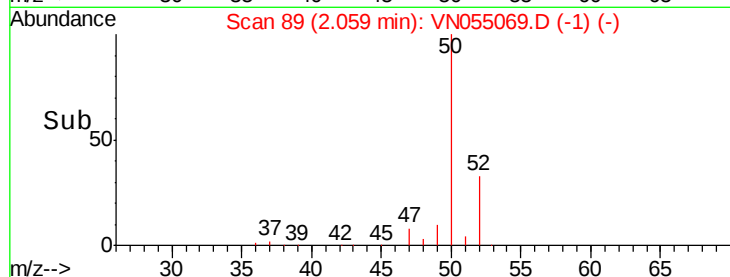
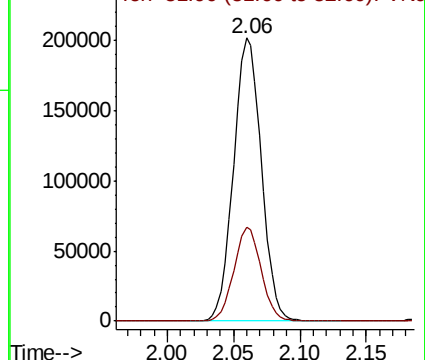
50 100

52 33.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.745 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055069.D

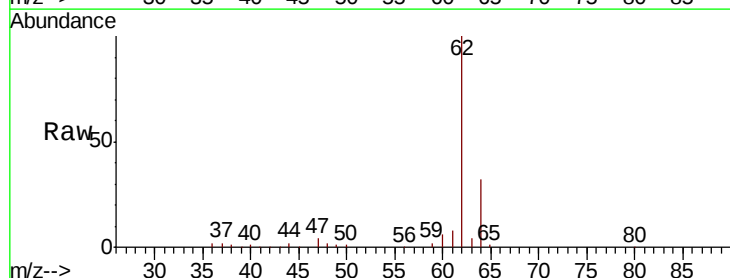
Acq: 16 Apr 2019 11:04

Tgt Ion: 62 Resp: 246454

Ion Ratio Lower Upper

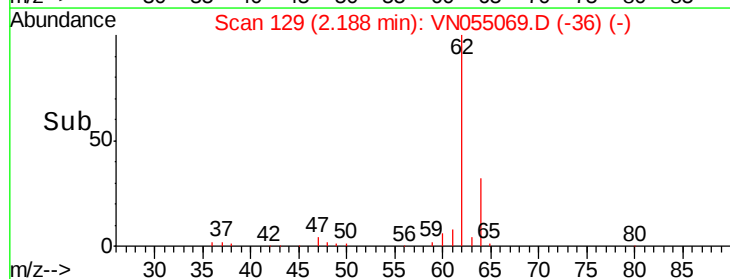
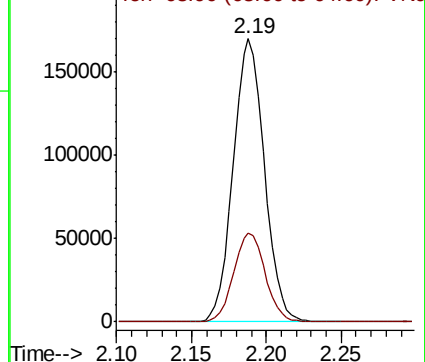
62 100

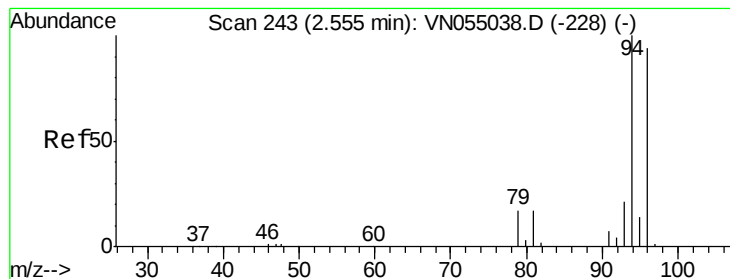
64 31.6 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 43.847 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

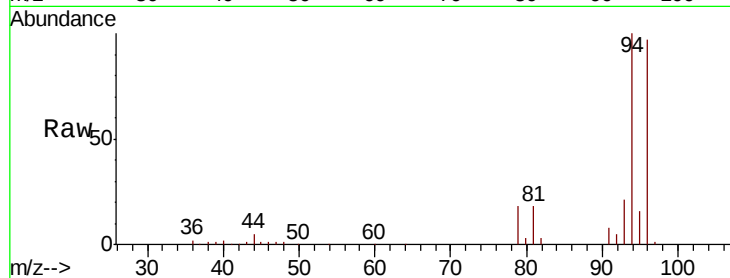
VSTDCCC050

Tot Ion: 94 Resp: 136626

Ion Ratio Lower Upper

94 100

96 97.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

60000

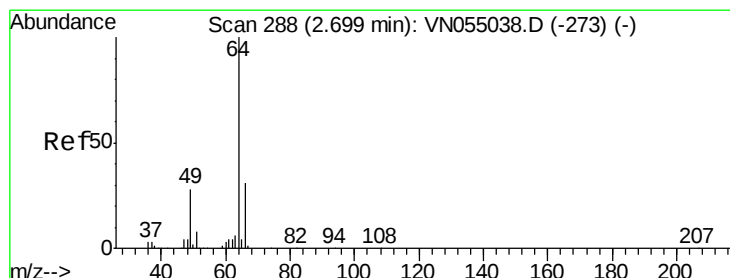
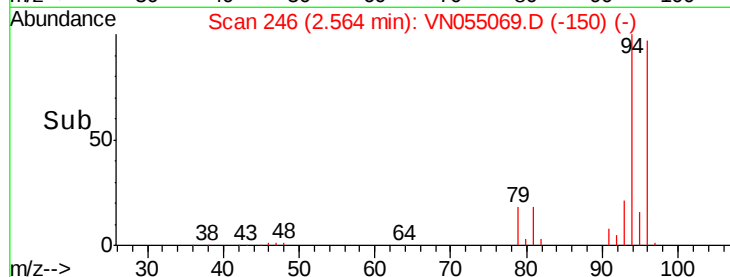
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 46.169 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055069.D

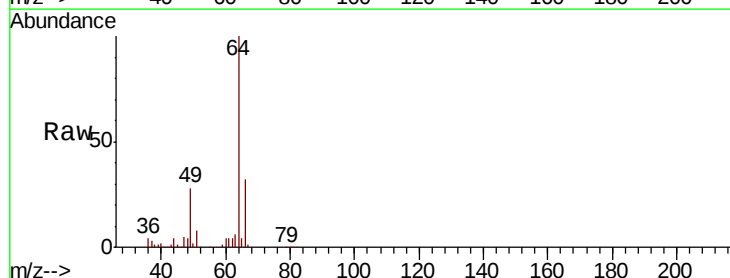
Acq: 16 Apr 2019 11:04

Tgt Ion: 64 Resp: 137136

Ion Ratio Lower Upper

64 100

66 31.9 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

60000

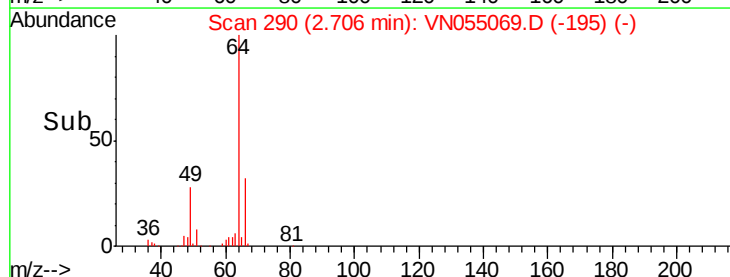
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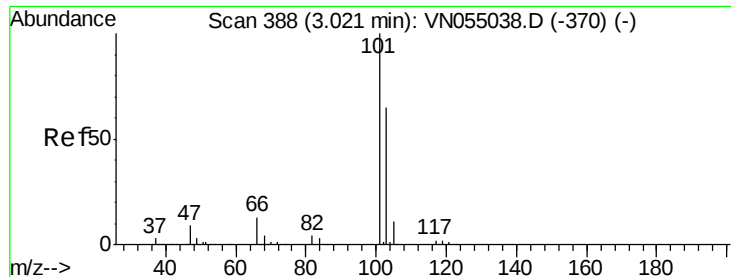
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80



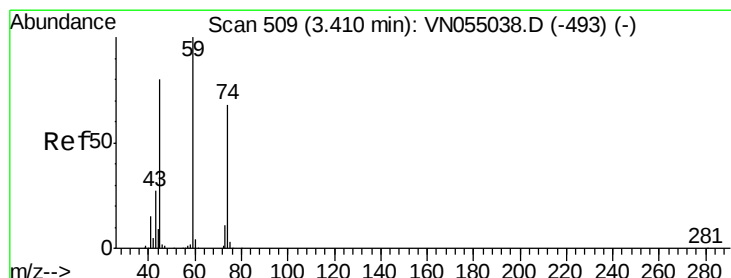
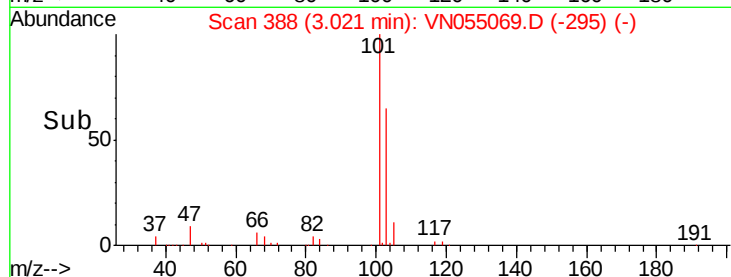
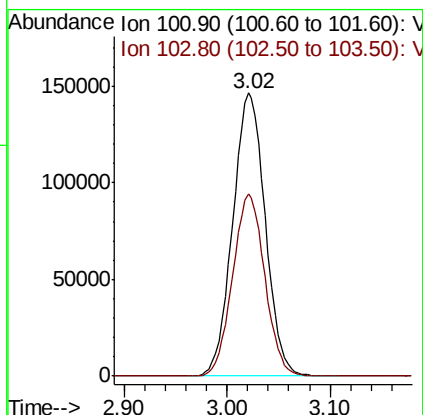
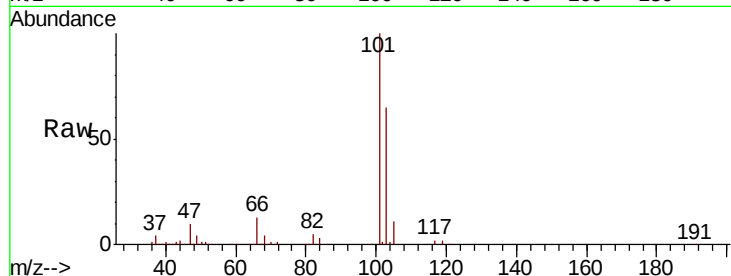


#7

Trichlorofluoromethane  
 Concen: 46.506 ug/l  
 RT: 3.02 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Instrument :  
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 ClientSampleId :  
 VSTDCCC050

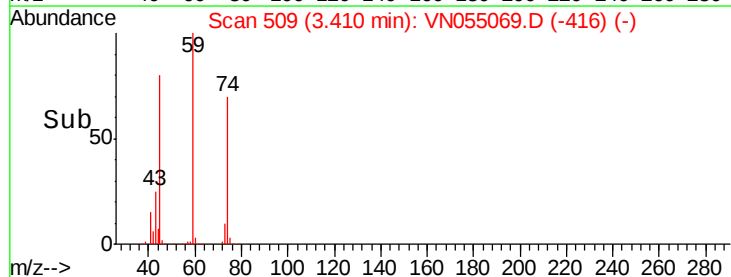
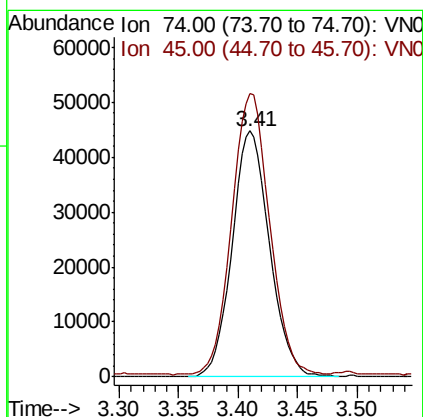
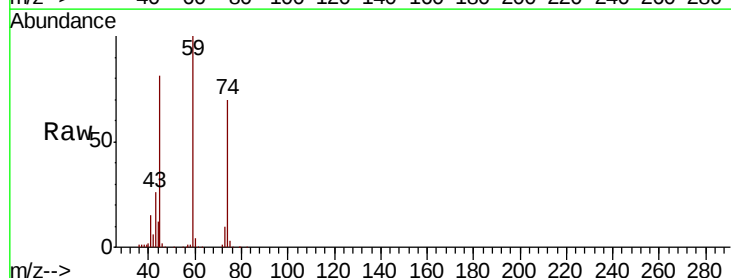
Tot Ion:101 Resp: 320351  
 Ion Ratio Lower Upper  
 101 100  
 103 64.6 52.5 78.7

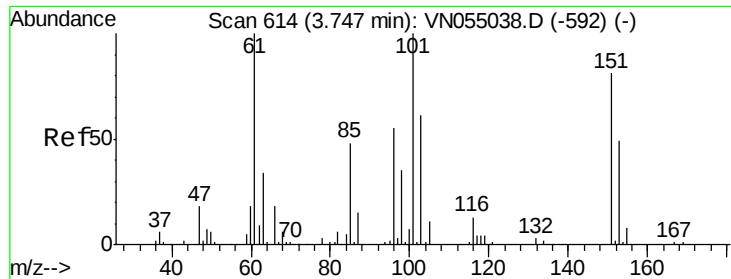


#8

Diethyl Ether  
 Concen: 44.367 ug/l  
 RT: 3.41 min Scan# 509  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Tgt Ion: 74 Resp: 97555  
 Ion Ratio Lower Upper  
 74 100  
 45 115.6 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.303 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

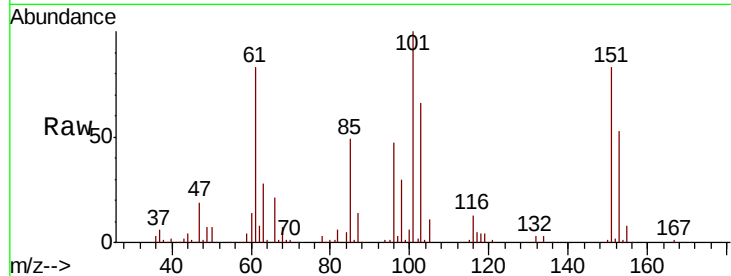
Tot Ion:101 Resp: 170521

Ion Ratio Lower Upper

101 100

85 46.1 36.9 55.3

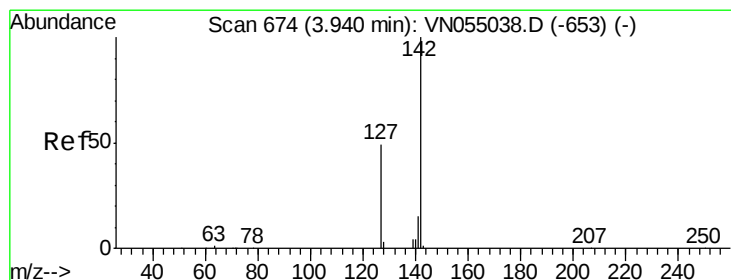
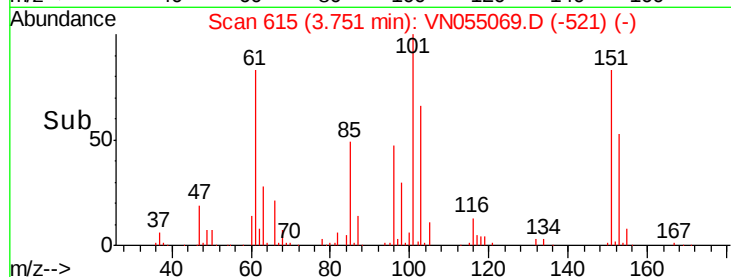
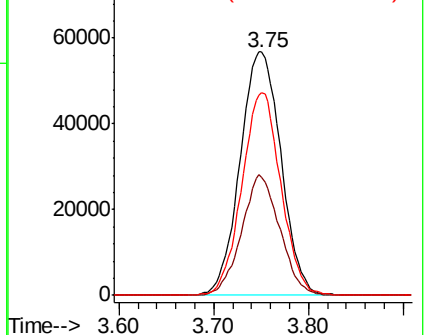
151 79.4 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.791 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

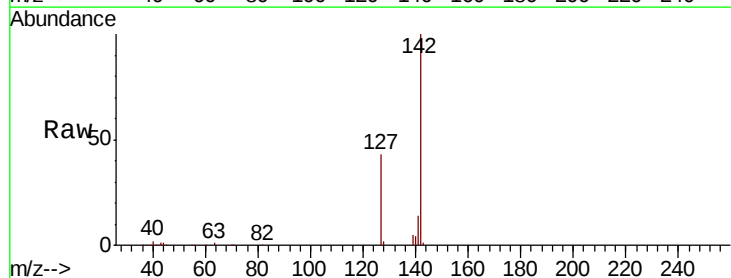
Tgt Ion:142 Resp: 300913

Ion Ratio Lower Upper

142 100

127 43.7 37.9 56.9

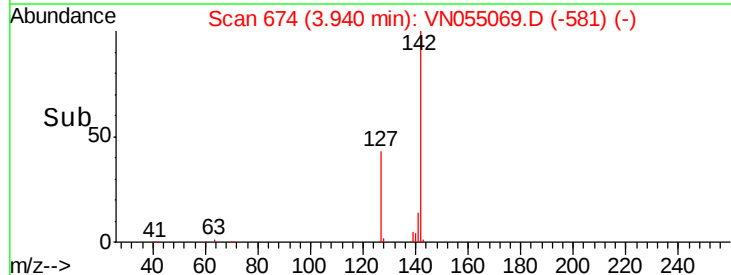
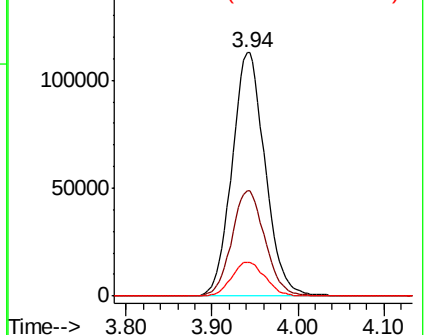
141 14.2 11.8 17.8

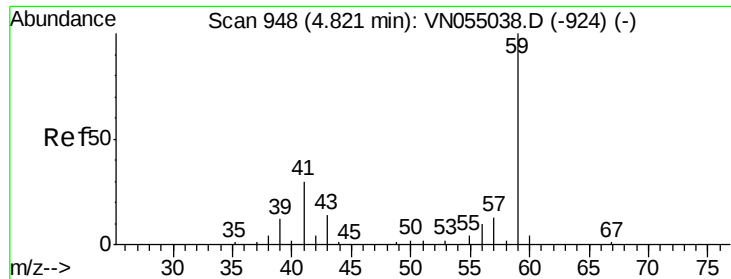


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

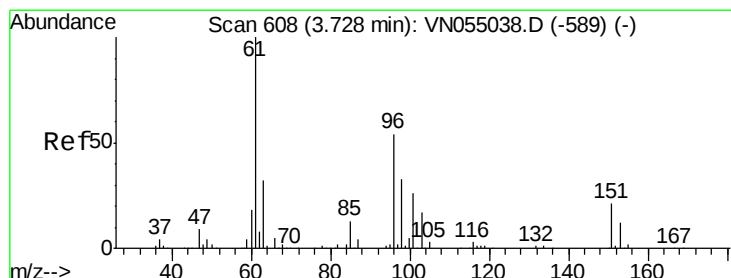
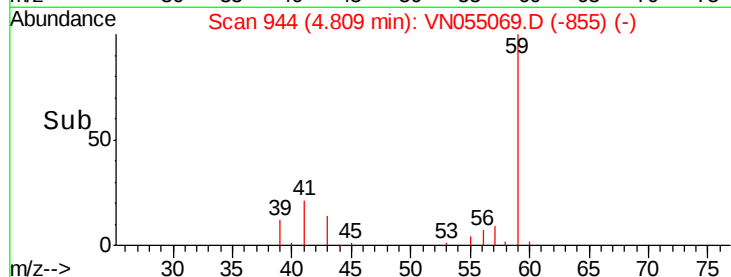
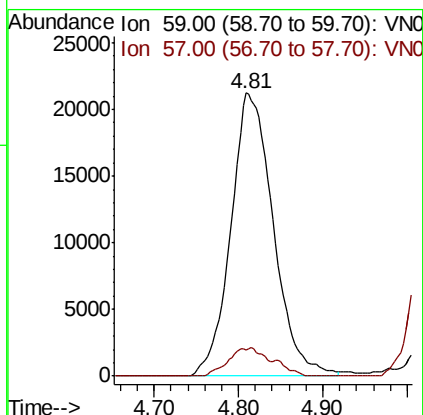
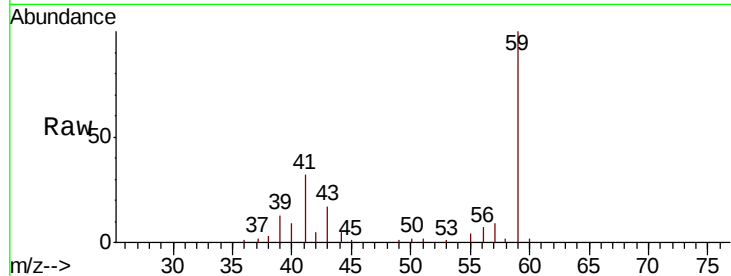




#11  
Tert butyl alcohol  
Concen: 230.291 ug/l  
RT: 4.81 min Scan# 944  
Delta R.T. -0.01 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

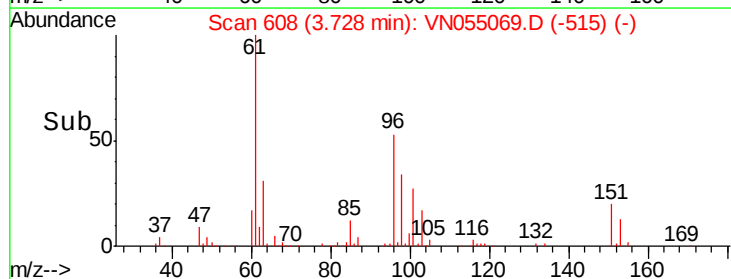
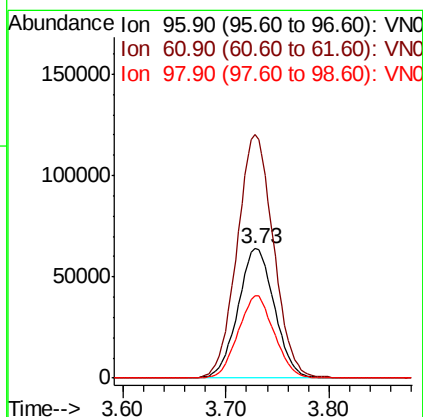
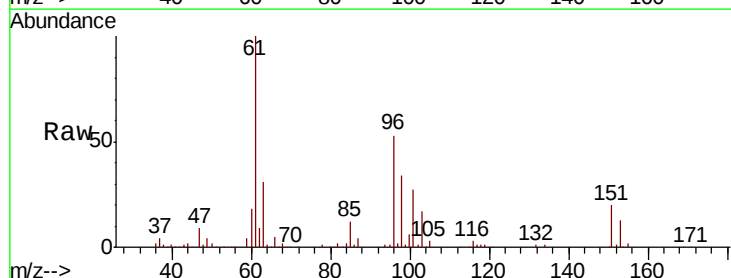
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

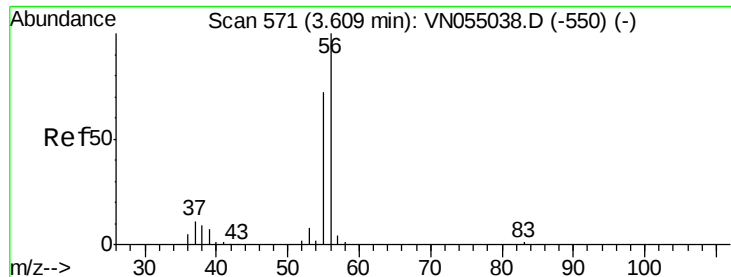
Tot Ion: 59 Resp: 74179  
Ion Ratio Lower Upper  
59 100  
57 8.3 8.3 12.5#



#12  
1,1-Dichloroethene  
Concen: 44.881 ug/l  
RT: 3.73 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 96 Resp: 157482  
Ion Ratio Lower Upper  
96 100  
61 187.8 154.2 231.4  
98 63.4 52.9 79.3





#13

Acrolein

Concen: 238.134 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

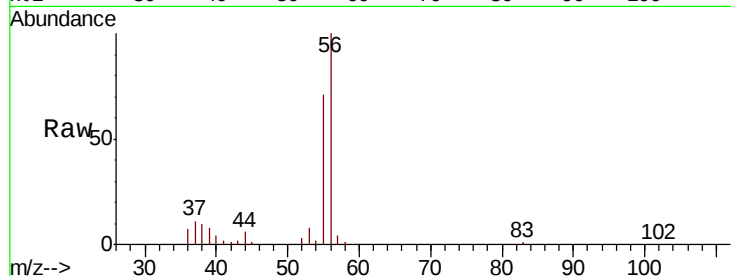
VSTDCCC050

Tot Ion: 56 Resp: 94812

Ion Ratio Lower Upper

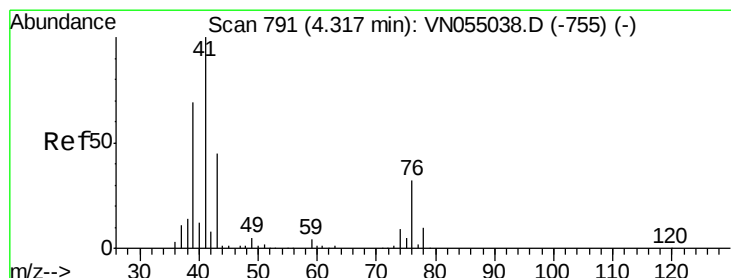
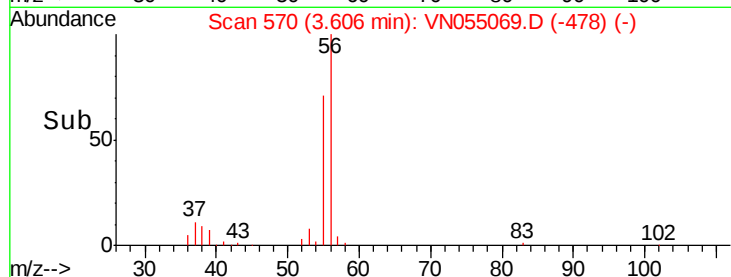
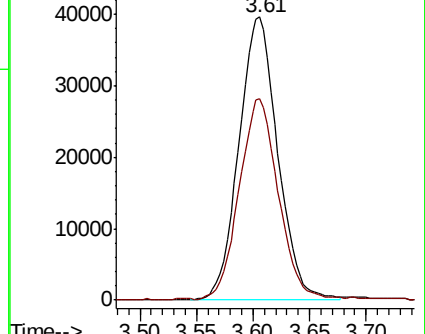
56 100

55 71.2 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN055038.D (-550) (-)



#14

Allyl chloride

Concen: 47.474 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

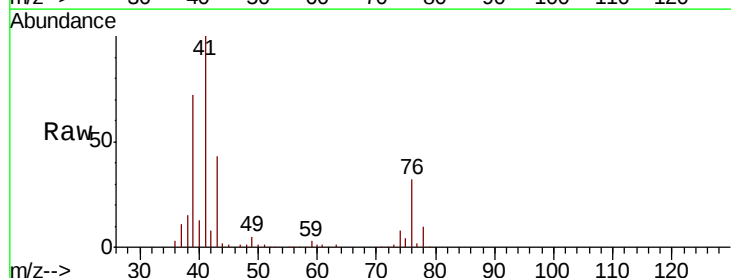
Tgt Ion: 41 Resp: 407756

Ion Ratio Lower Upper

41 100

39 66.7 52.7 79.1

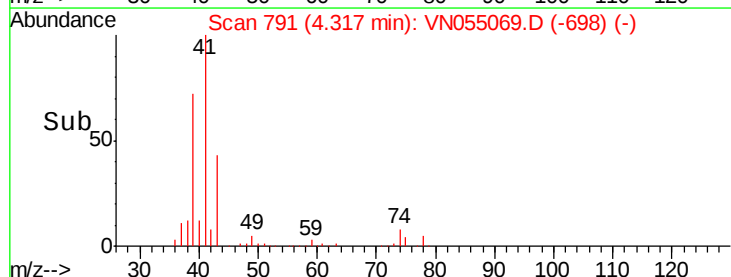
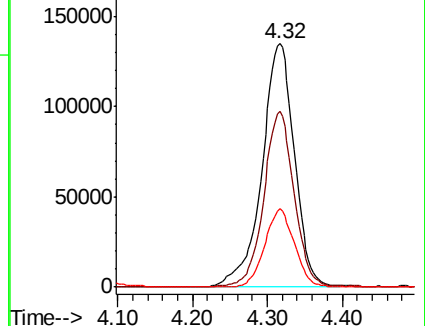
76 29.4 23.2 34.8

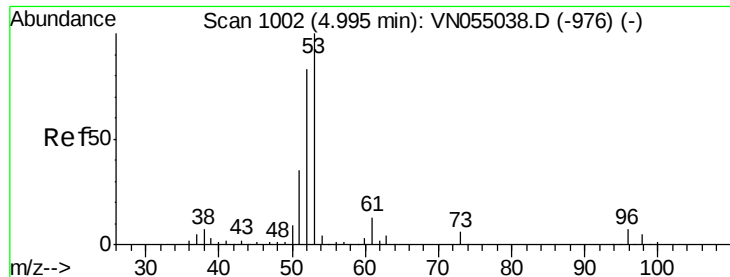


Abundance Ion 41.00 (40.70 to 41.70): VN055038.D (-755) (-)

Ion 39.00 (38.70 to 39.70): VN055038.D (-755) (-)

Ion 75.90 (75.60 to 76.60): VN055038.D (-755) (-)



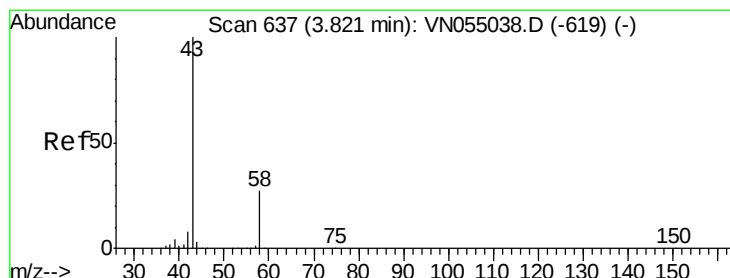
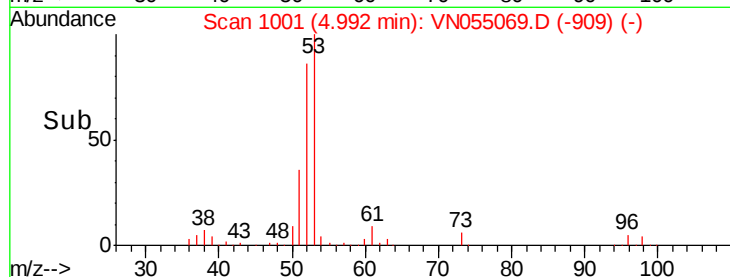
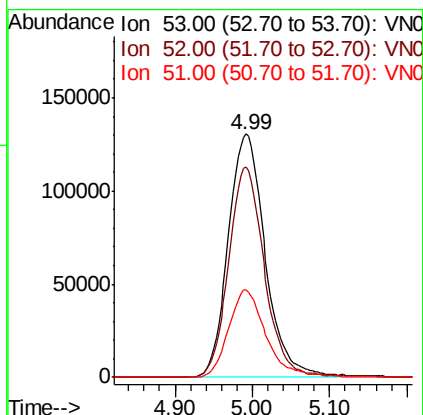
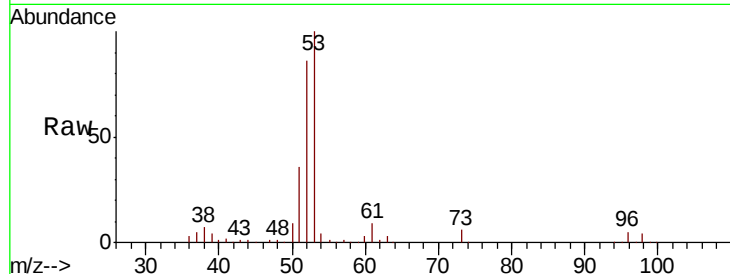


#15  
 Acrylonitrile  
 Concen: 224.487 ug/l  
 RT: 4.99 min Scan# 1001  
 Delta R.T. -0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 53 Resp: 432629  

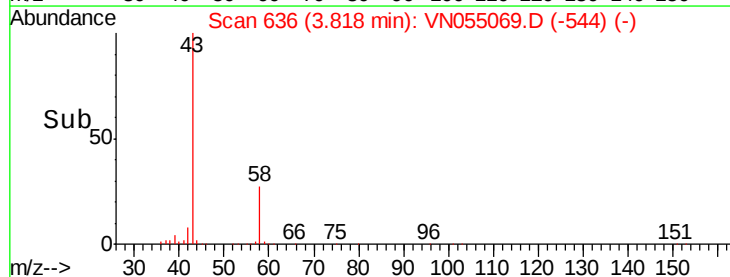
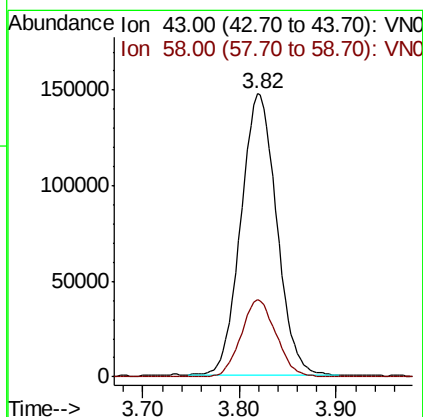
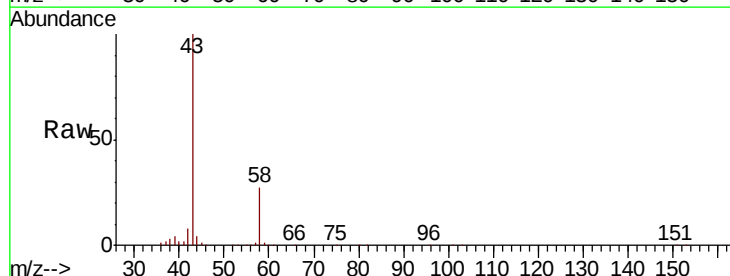
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 83.3  | 65.9  | 98.9  |
| 51  | 35.8  | 29.7  | 44.5  |

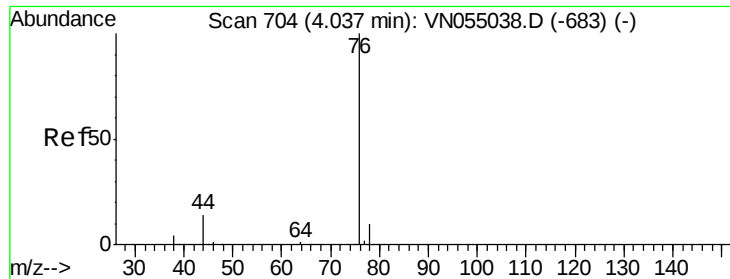


#16  
 Acetone  
 Concen: 236.511 ug/l  
 RT: 3.82 min Scan# 636  
 Delta R.T. -0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Tgt Ion: 43 Resp: 377231  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 27.2  | 20.9  | 31.3  |

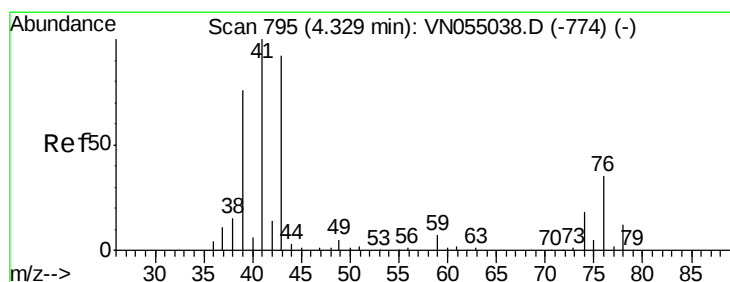
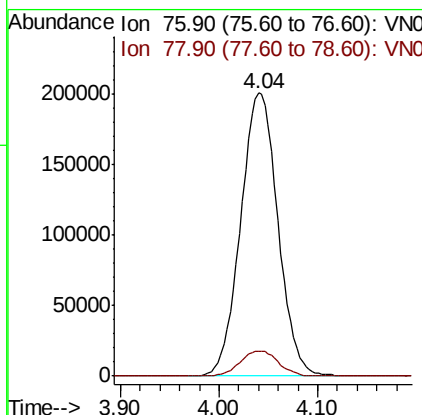
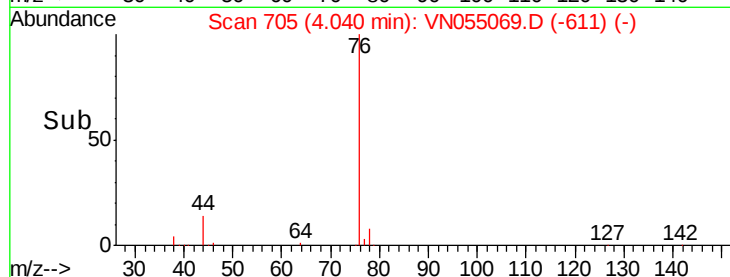
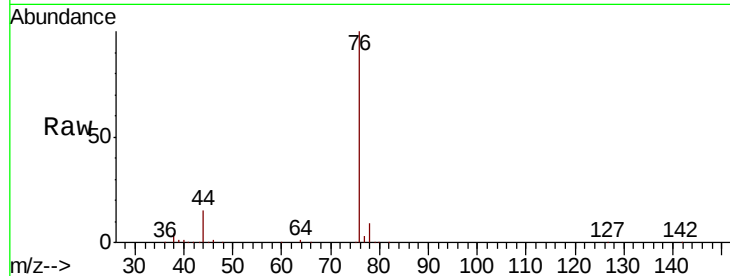




#17  
Carbon Disulfide  
Concen: 46.330 ug/l  
RT: 4.04 min Scan# 705  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

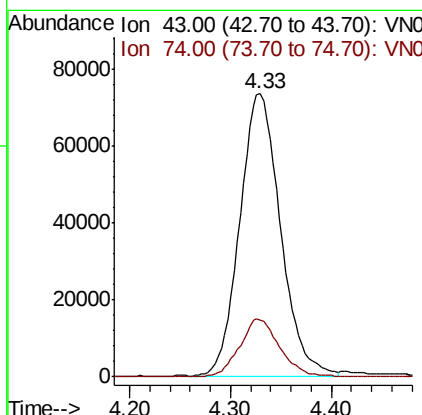
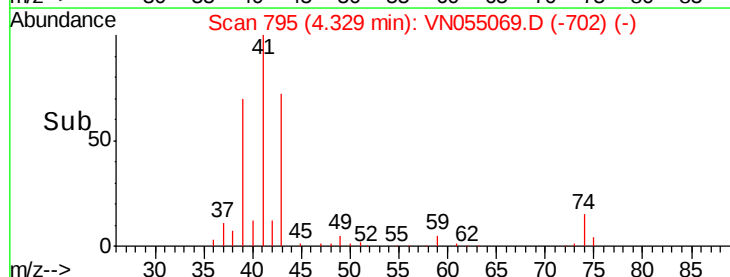
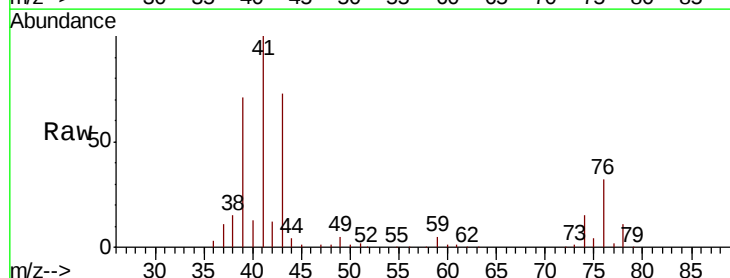
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

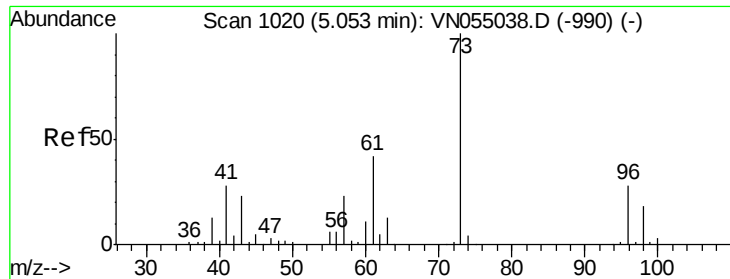
Tot Ion: 76 Resp: 524775  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.2 10.8



#18  
Methyl Acetate  
Concen: 44.679 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 43 Resp: 205600  
Ion Ratio Lower Upper  
43 100  
74 20.3 16.1 24.1

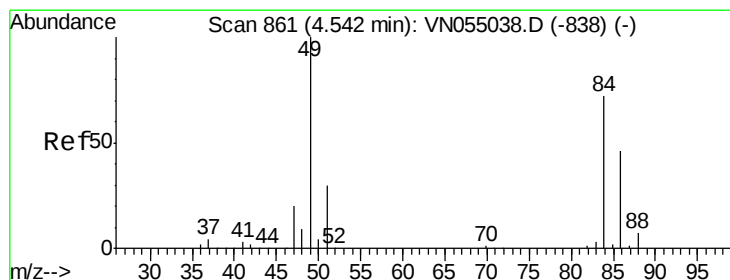
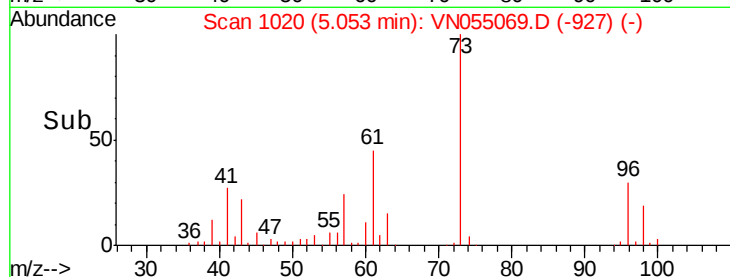
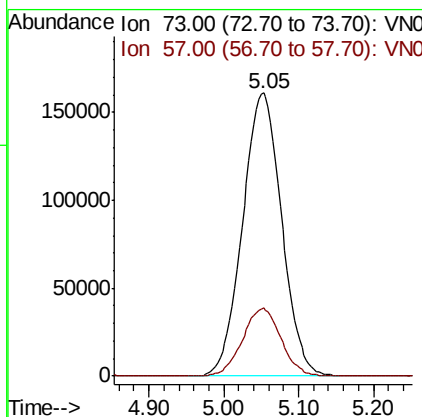
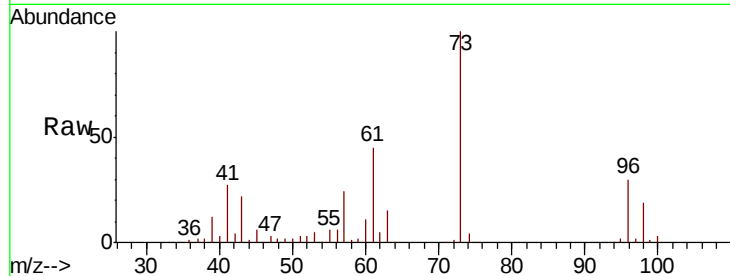




#19  
Methvl tert-butvl Ether  
Concen: 46.638 ug/l  
RT: 5.05 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

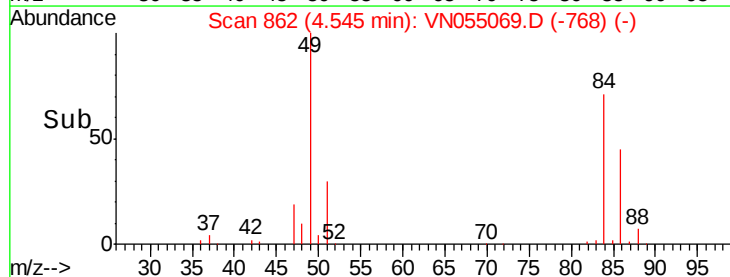
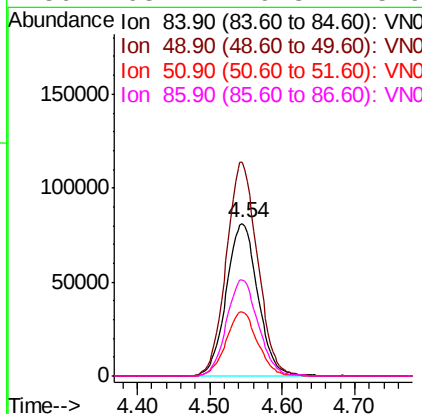
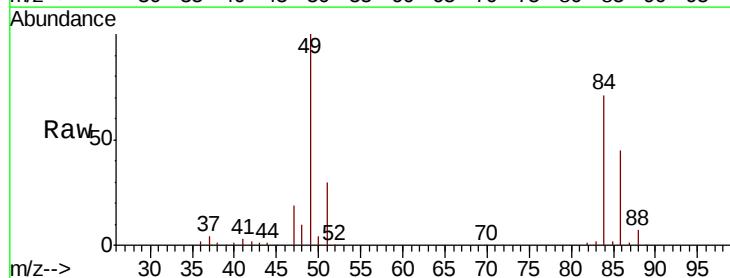
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

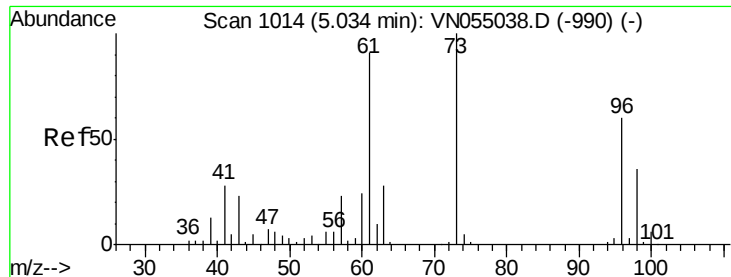
Tot Ion: 73 Resp: 585403  
Ion Ratio Lower Upper  
73 100  
57 24.0 19.0 28.4



#20  
Methylene Chloride  
Concen: 43.765 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 84 Resp: 245386  
Ion Ratio Lower Upper  
84 100  
49 140.0 109.4 164.2  
51 42.0 32.2 48.4  
86 63.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 46.494 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

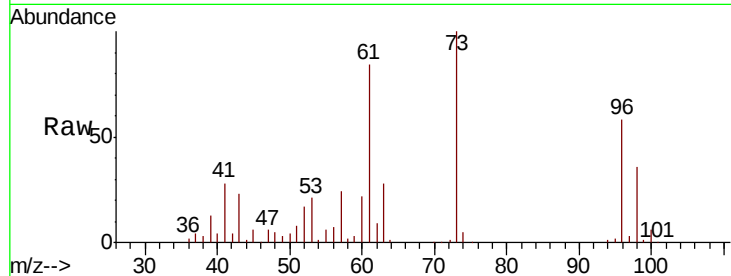
Tot Ion: 96 Resp: 220651

Ion Ratio Lower Upper

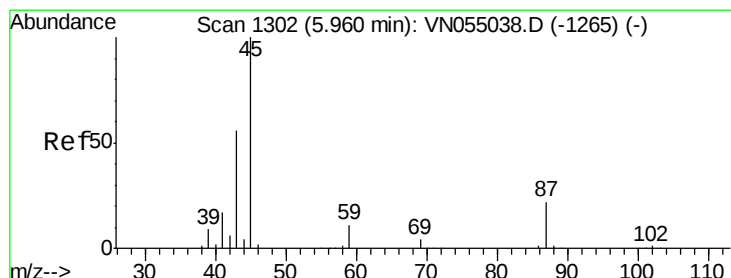
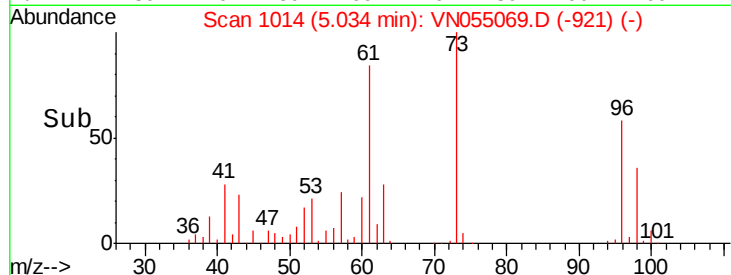
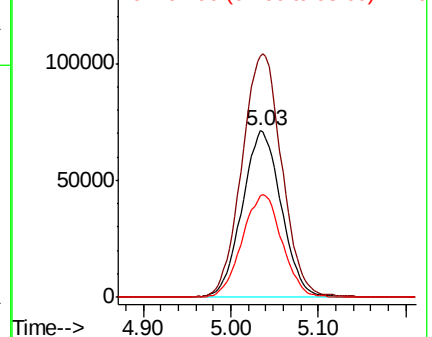
96 100

61 144.9 114.9 172.3

98 61.0 48.4 72.6



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



#22

Diisopropyl ether

Concen: 48.254 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Tgt Ion: 45 Resp: 851996

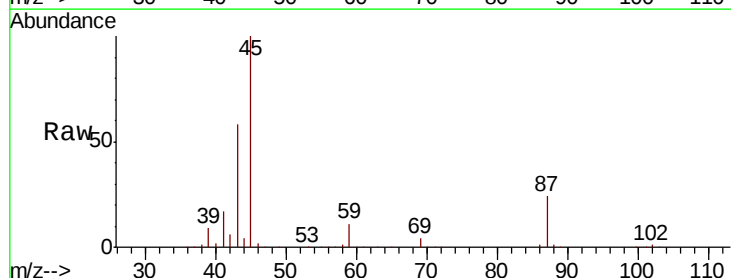
Ion Ratio Lower Upper

45 100

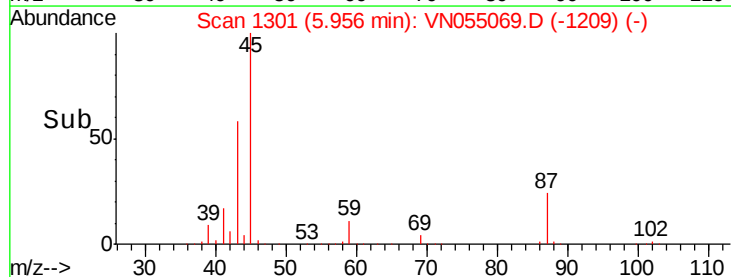
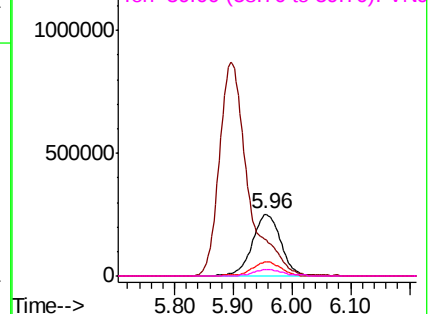
43 57.2 44.8 67.2

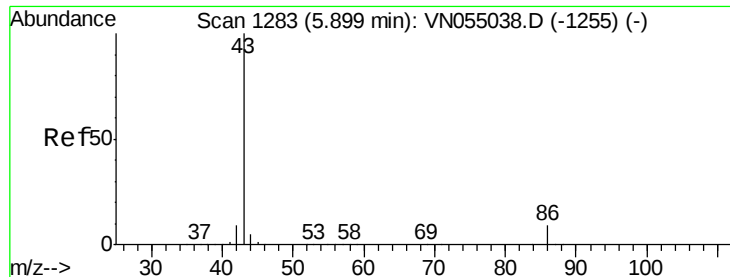
87 23.4 18.9 28.3

59 10.9 7.9 11.9



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





#23

Vinyl Acetate

Concen: 252.738 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

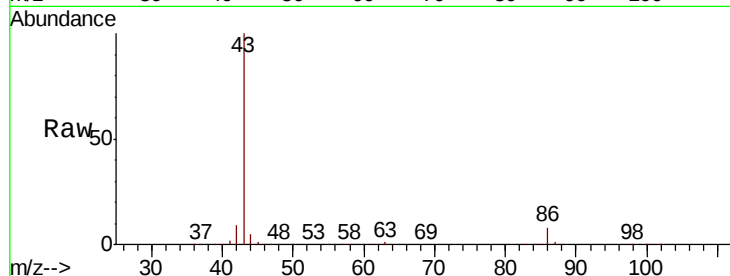
VSTDCCC050

Tot Ion: 43 Resp: 2949631

Ion Ratio Lower Upper

43 100

86 8.4 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055038.D (-1255) (-)

5.90

800000

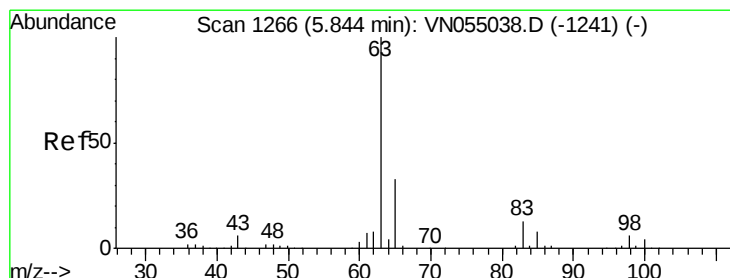
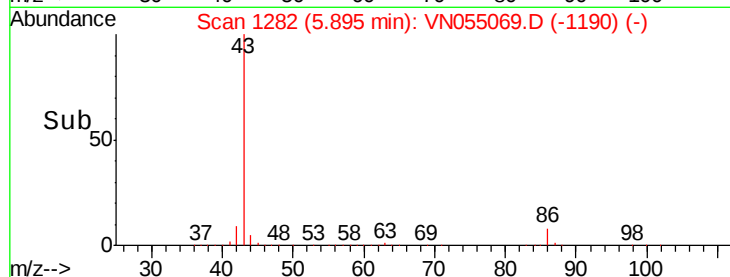
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.864 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

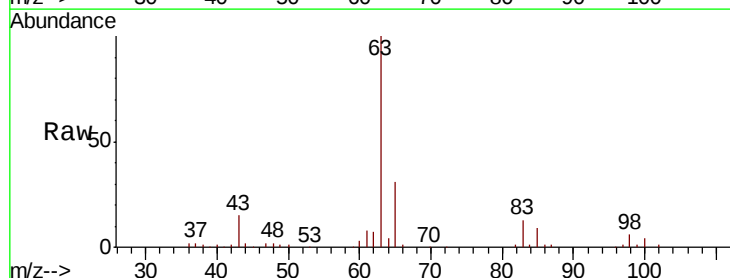
Tgt Ion: 63 Resp: 440641

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN055038.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055038.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055038.D (-1241) (-)

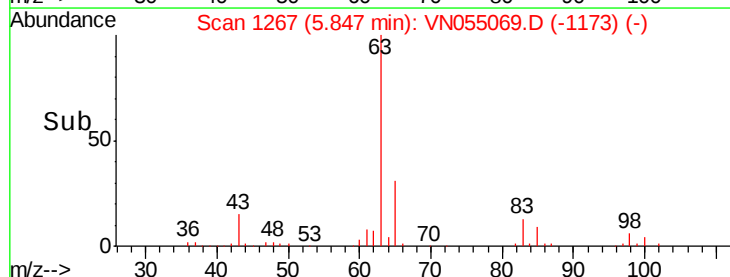
150000

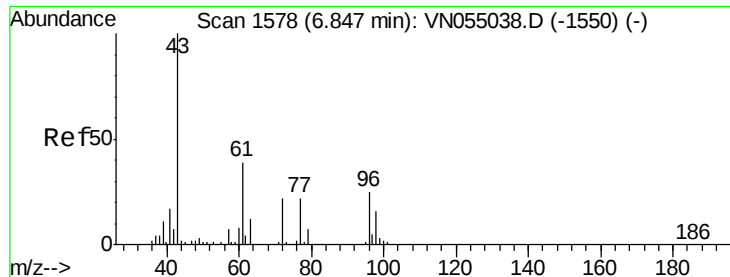
100000

50000

0

Time-->

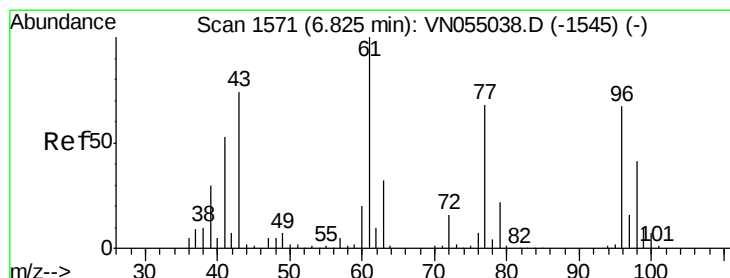
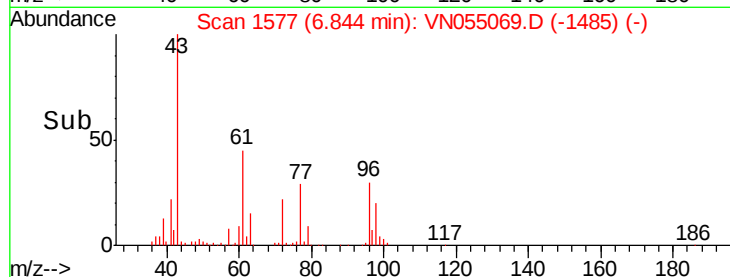
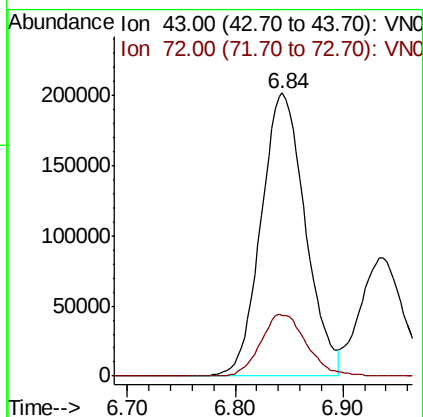
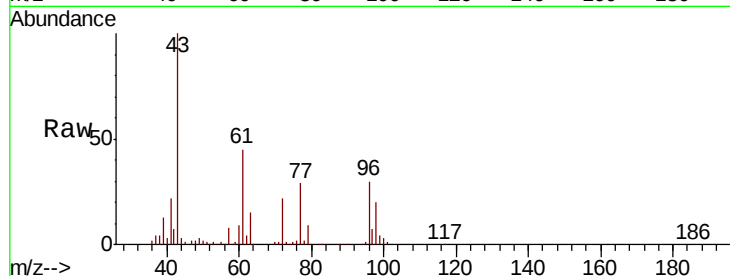




#25  
2-Butanone  
Concen: 240.081 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. -0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

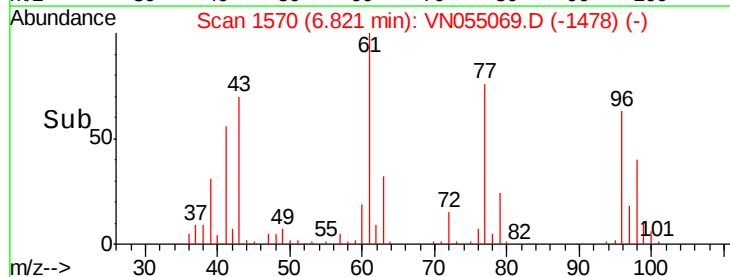
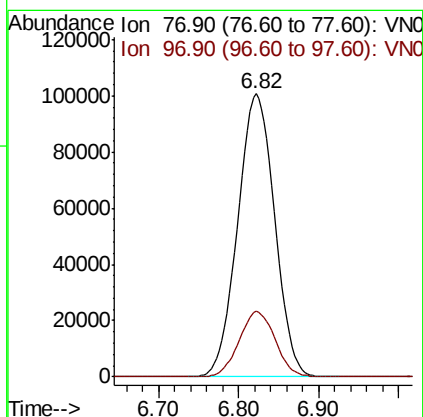
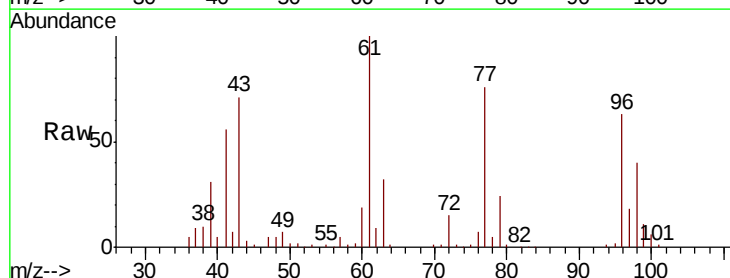
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

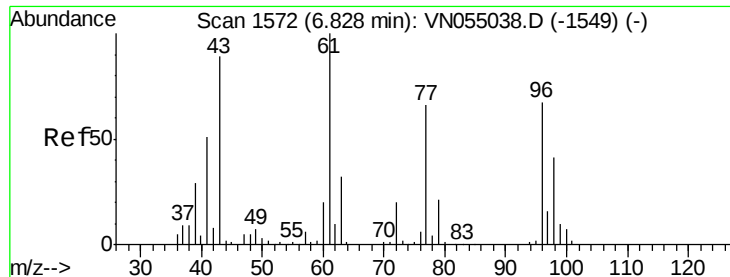
Tot Ion: 43 Resp: 571510  
Ion Ratio Lower Upper  
43 100  
72 21.6 18.1 27.1



#26  
2,2-Dichloropropane  
Concen: 53.161 ug/l  
RT: 6.82 min Scan# 1570  
Delta R.T. -0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 77 Resp: 315479  
Ion Ratio Lower Upper  
77 100  
97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 47.171 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

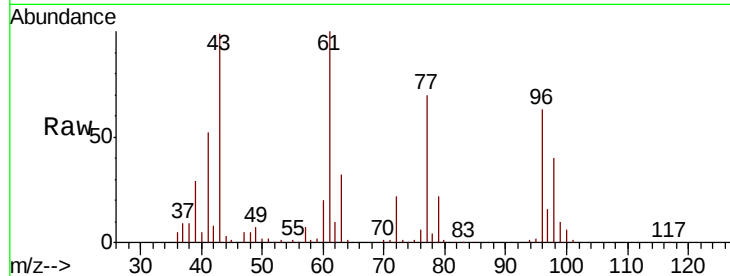
Tot Ion: 96 Resp: 253263

Ion Ratio Lower Upper

96 100

61 157.4 0.0 311.0

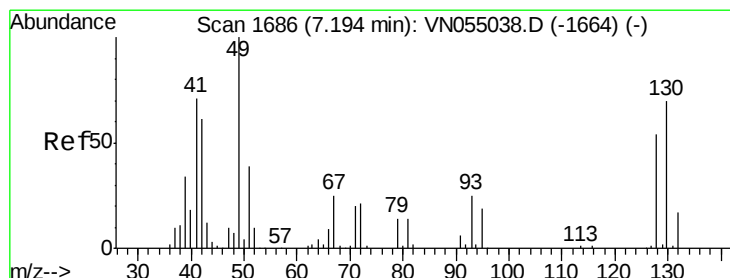
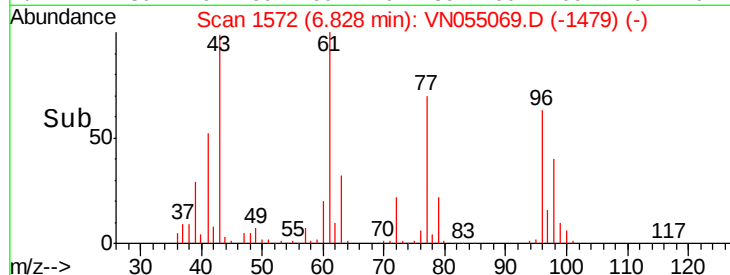
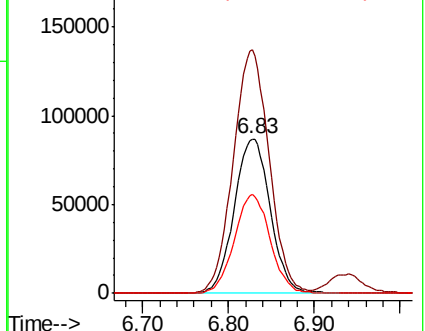
98 63.4 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 45.393 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

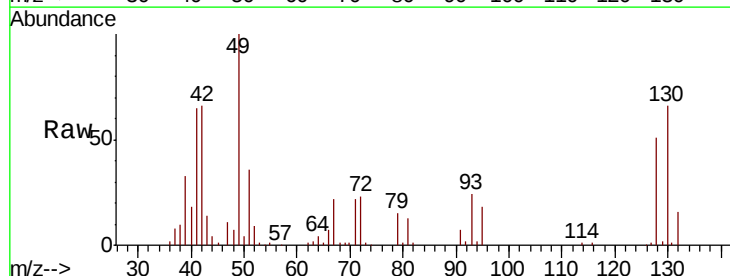
Tgt Ion: 49 Resp: 205741

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.0

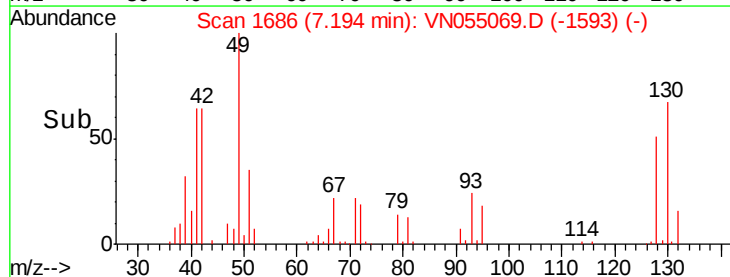
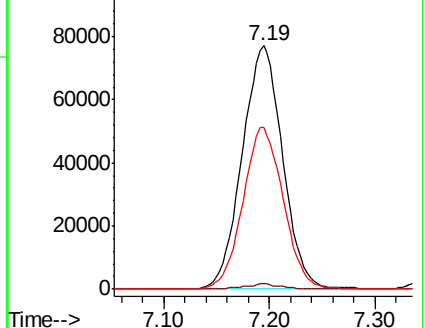
130 66.4 53.4 80.2

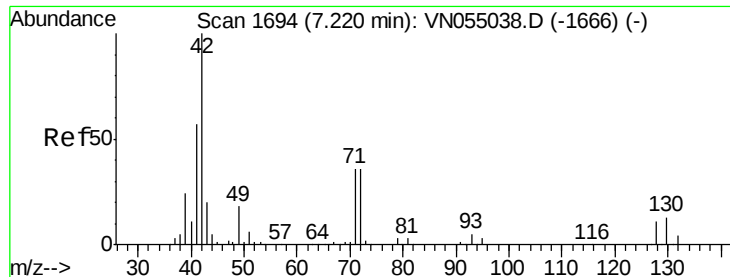


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

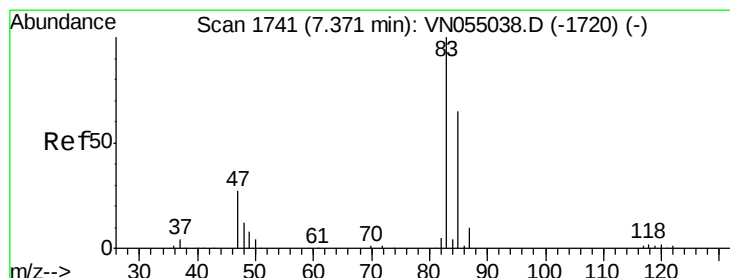
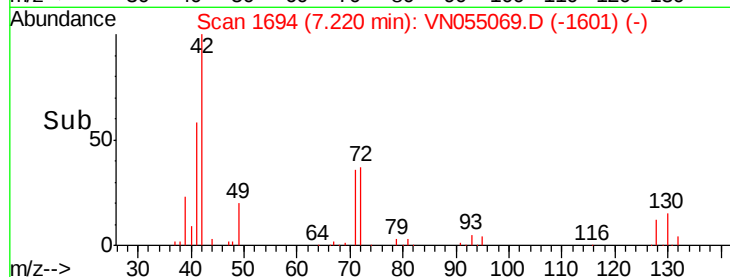
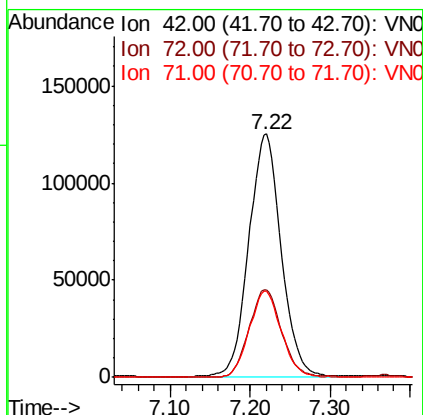
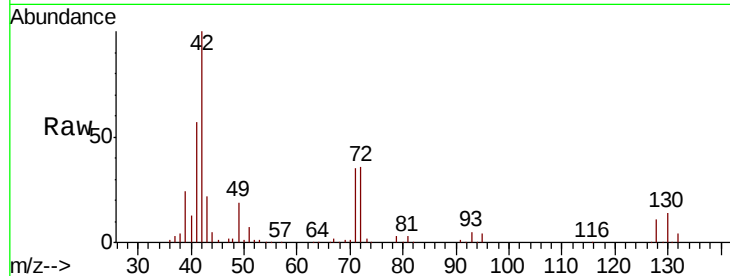




#29  
Tetrahydrofuran  
Concen: 220.853 ug/l  
RT: 7.22 min Scan# 1694  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

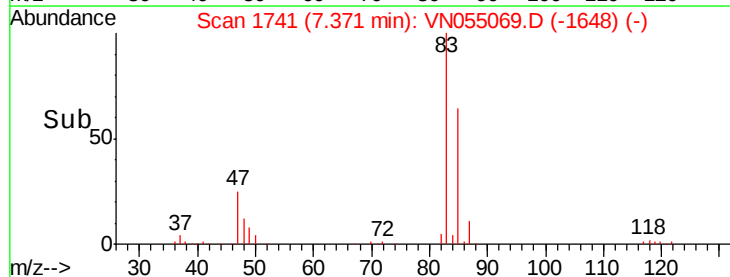
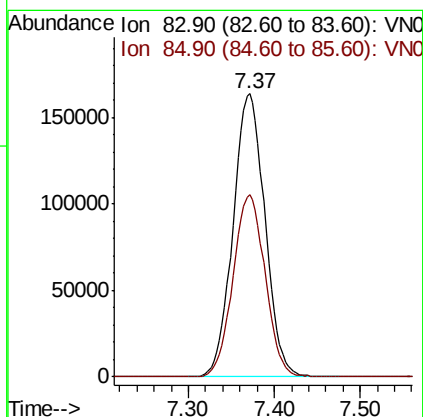
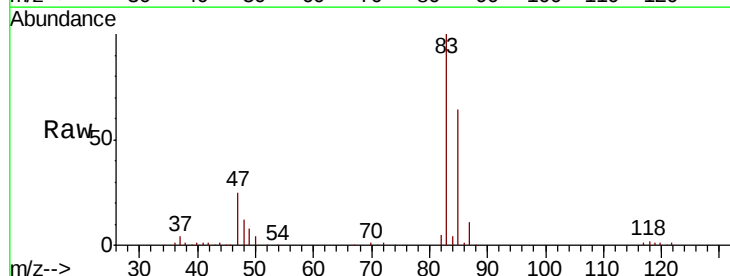
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

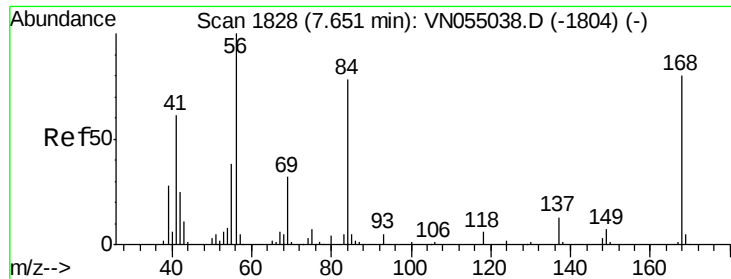
Tot Ion: 42 Resp: 344762  
Ion Ratio Lower Upper  
42 100  
72 36.3 29.4 44.0  
71 35.1 27.8 41.6



#30  
Chloroform  
Concen: 46.109 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 83 Resp: 421116  
Ion Ratio Lower Upper  
83 100  
85 64.4 51.8 77.6





#31

Cyclohexane

Concen: 49.488 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

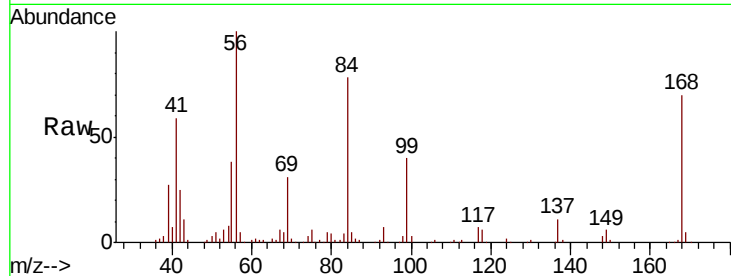
Tot Ion: 56 Resp: 411486

Ion Ratio Lower Upper

56 100

69 31.4 24.5 36.7

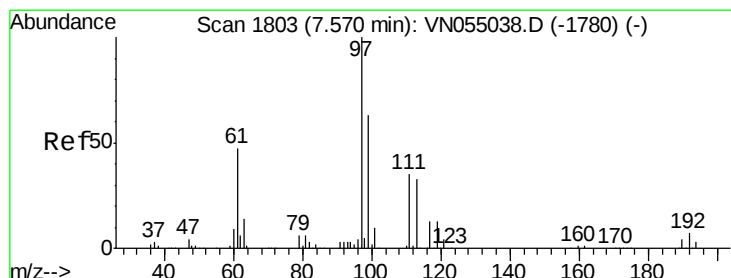
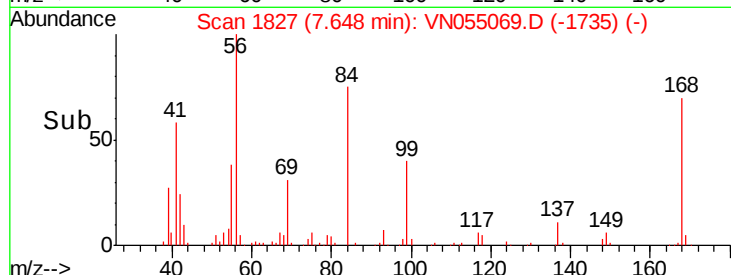
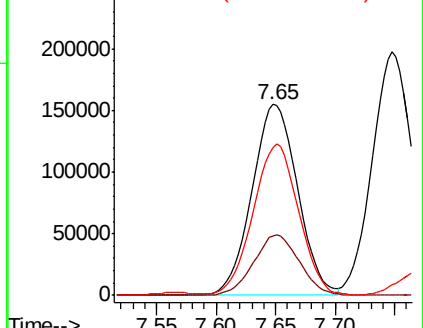
84 76.5 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN055038.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN055038.D (-1804) (-)



#32

1,1,1-Trichloroethane

Concen: 47.557 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

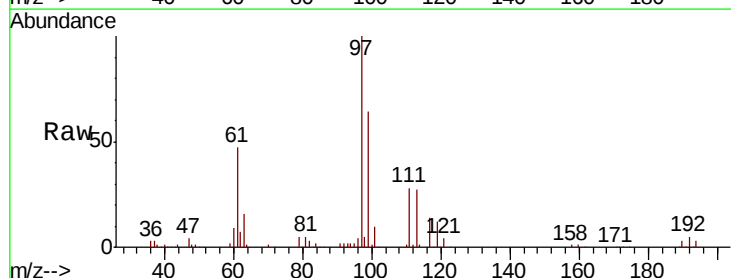
Tgt Ion: 97 Resp: 344119

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

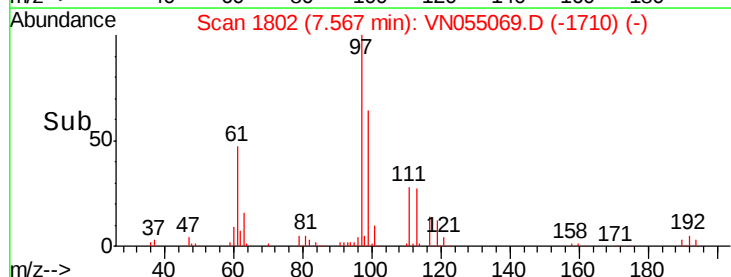
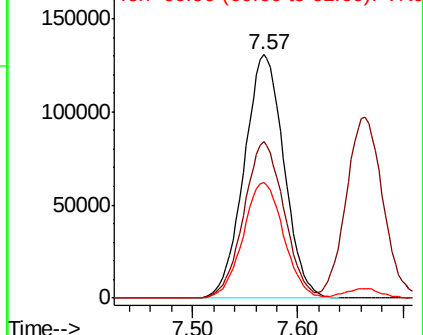
61 48.0 38.3 57.5

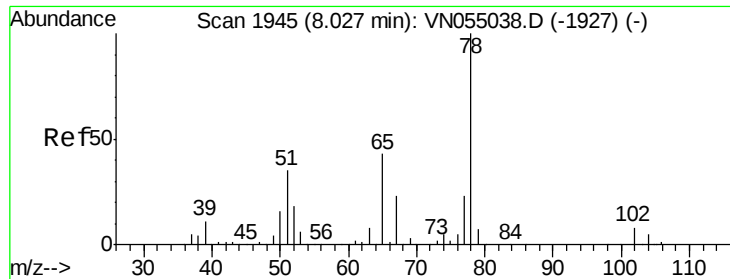


Abundance Ion 96.90 (96.60 to 97.60): VN055038.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN055038.D (-1780) (-)

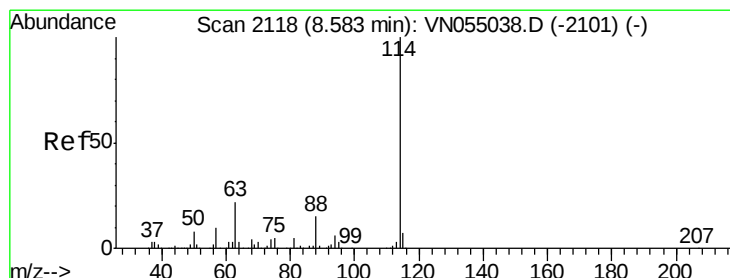
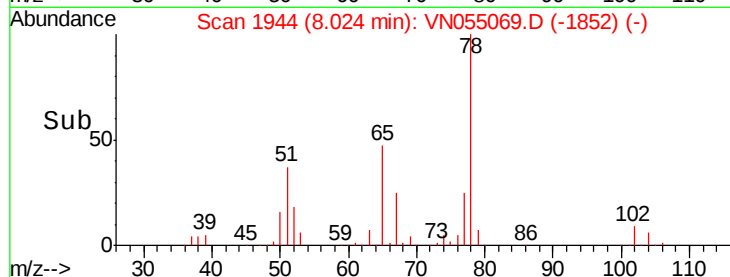
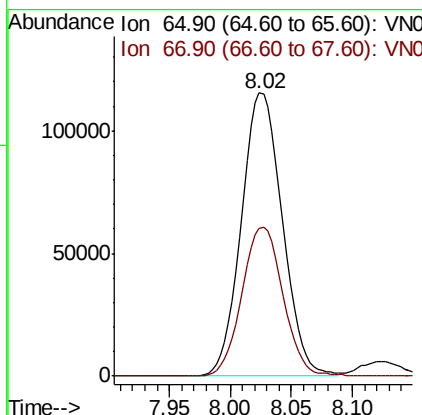
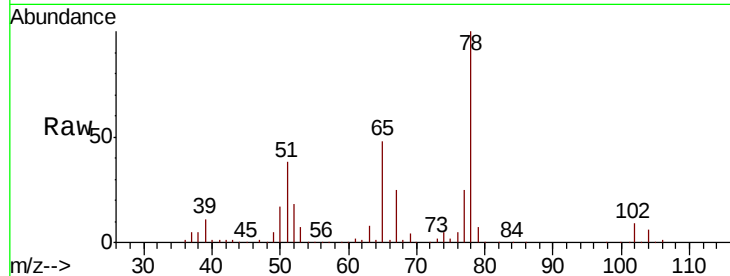




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.732 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

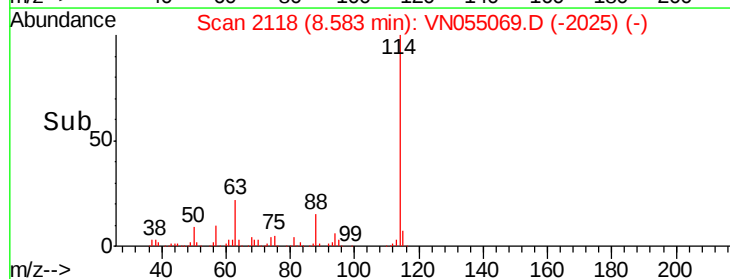
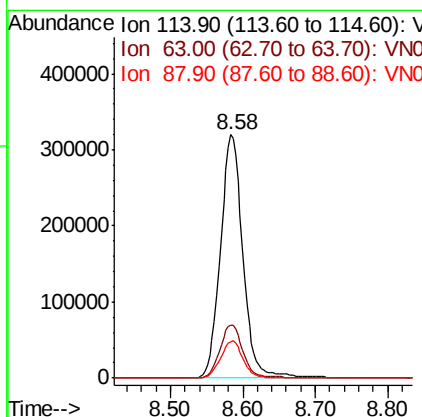
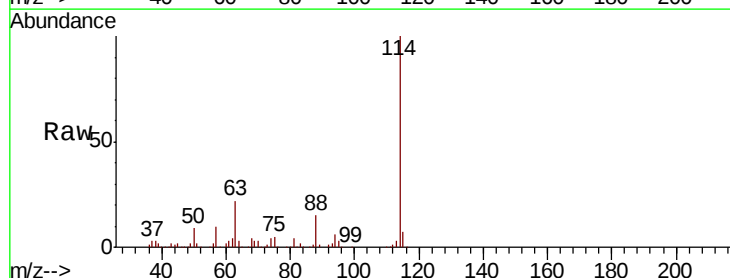
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

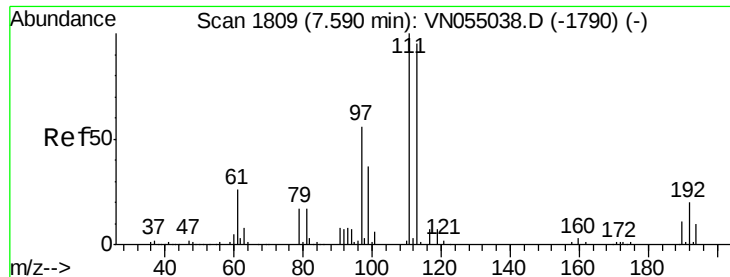
Tot Ion: 65 Resp: 268743  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 106.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Tgt Ion: 114 Resp: 687994  
 Ion Ratio Lower Upper  
 114 100  
 63 21.9 0.0 45.2  
 88 15.1 0.0 31.8

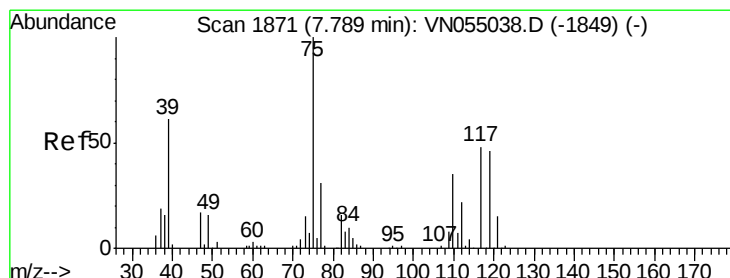
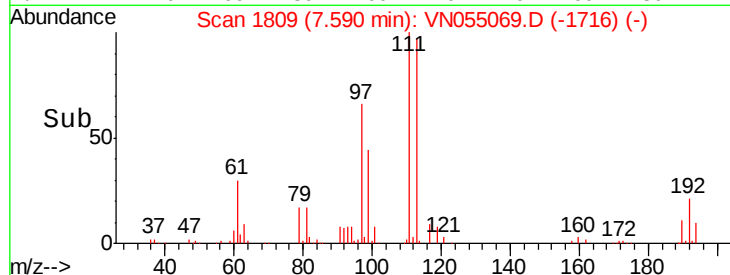
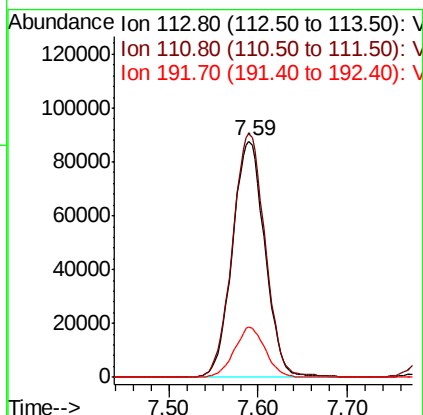
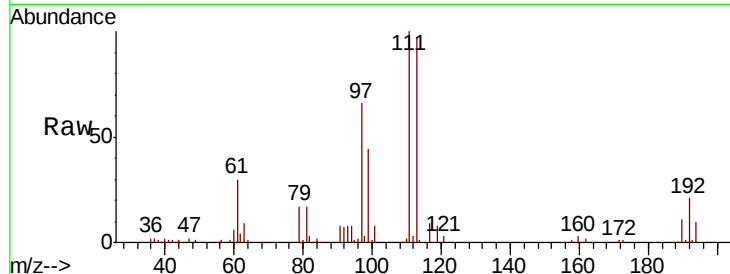




#35  
 Dibromofluoromethane  
 Concen: 48.179 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

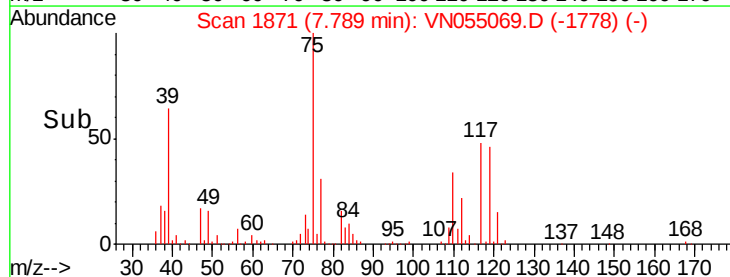
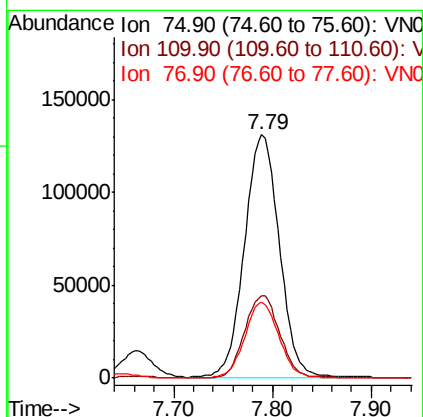
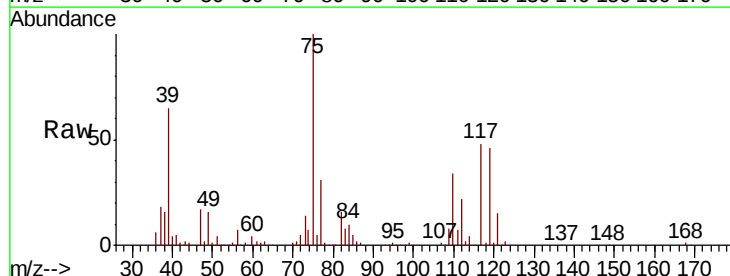
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

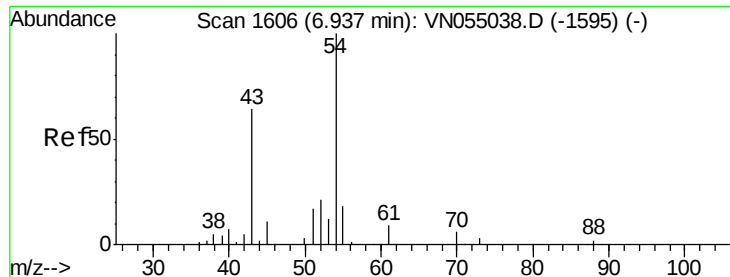
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.9 | 82.1  | 123.1 |
| 192     | 20.3  | 16.5  | 24.7  |



#36  
 1,1-Dichloropropene  
 Concen: 49.051 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.4  | 17.5  | 52.5  |
| 77      | 31.1  | 24.9  | 37.3  |

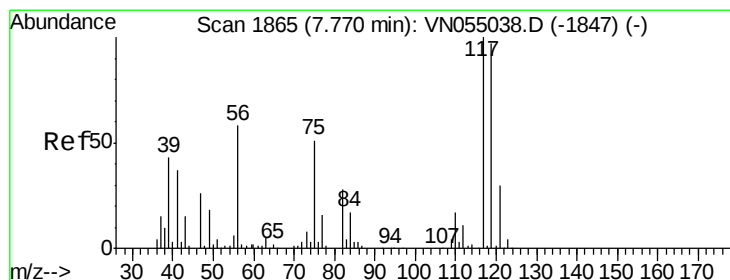
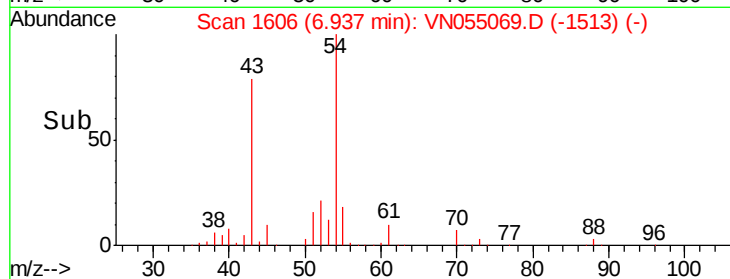
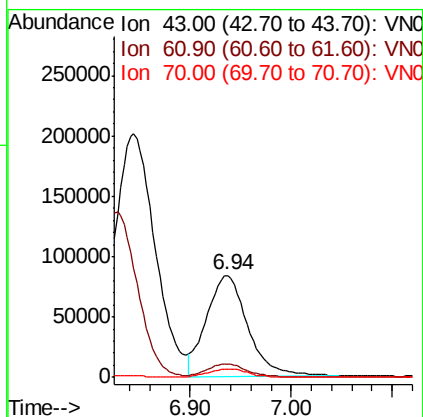
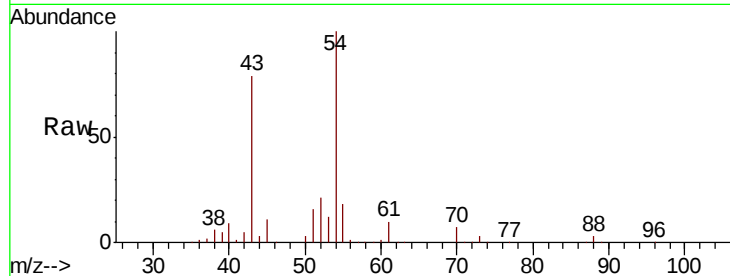




#37  
Ethyl Acetate  
Concen: 44.795 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

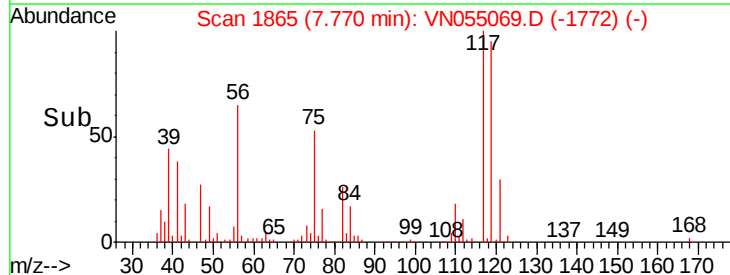
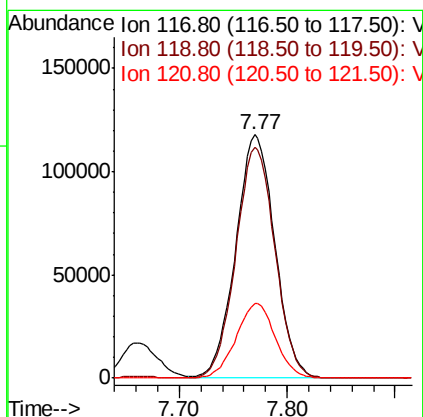
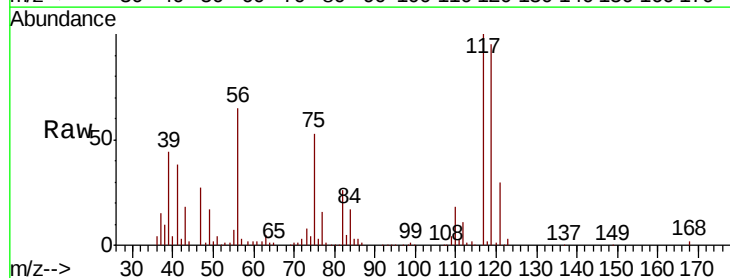
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

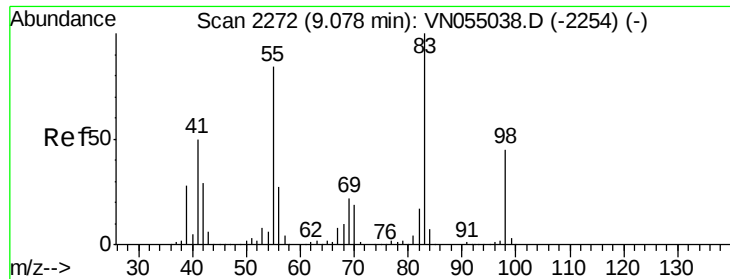
Tot Ion: 43 Resp: 236519  
Ion Ratio Lower Upper  
43 100  
61 12.9 10.0 15.0  
70 8.0 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 47.926 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 117 Resp: 295728  
Ion Ratio Lower Upper  
117 100  
119 95.2 76.3 114.5  
121 30.5 23.9 35.9

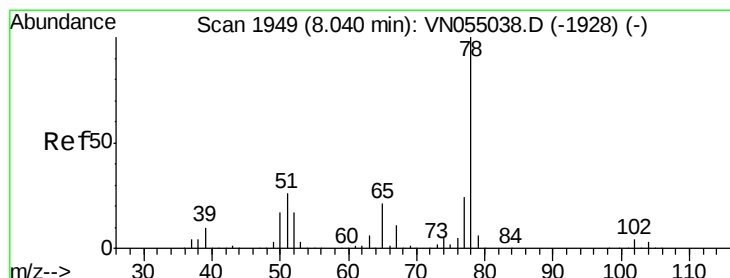
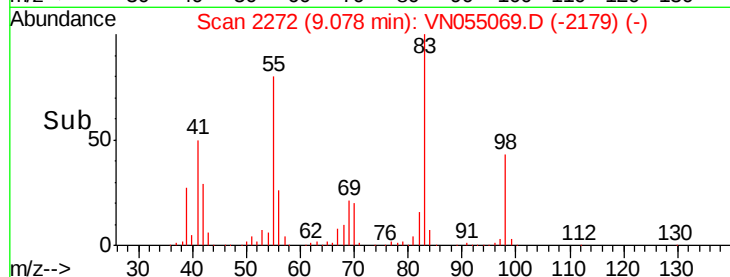
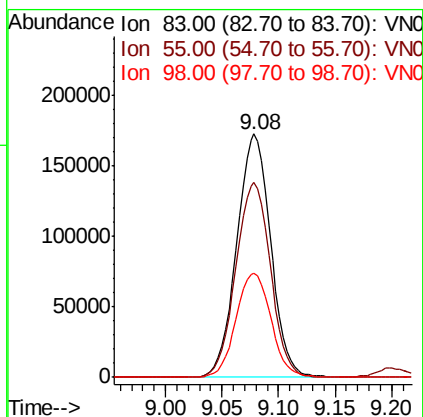
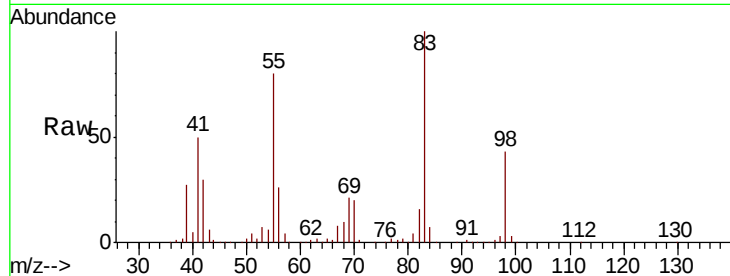




#39  
Methvlcvclohexane  
Concen: 51.278 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

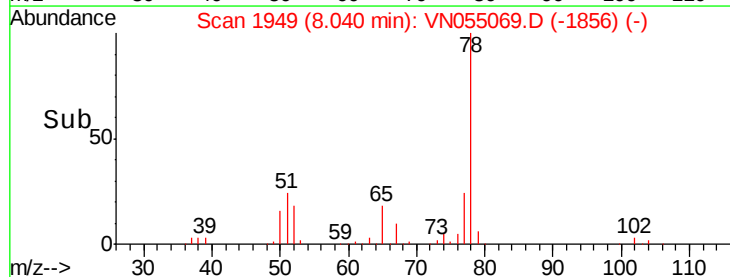
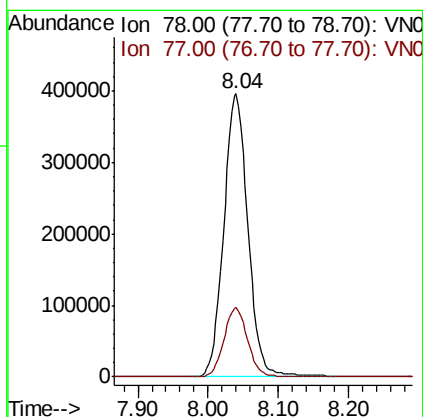
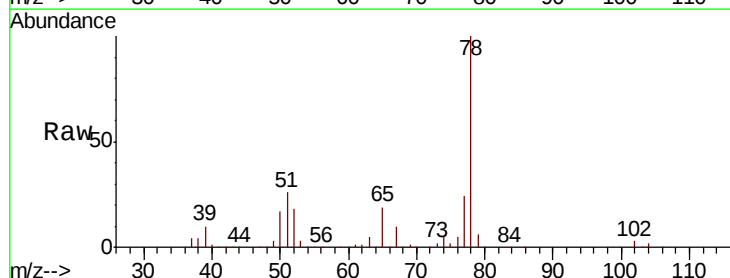
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

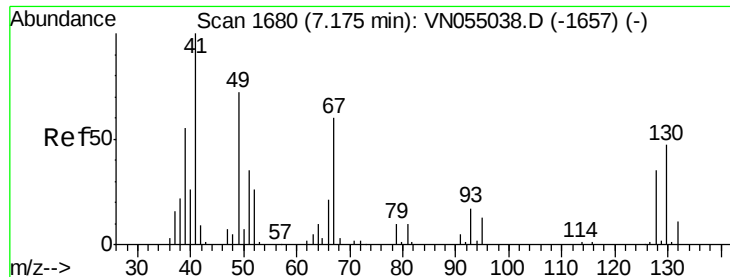
Tot Ion: 83 Resp: 360381  
Ion Ratio Lower Upper  
83 100  
55 79.9 67.0 100.4  
98 42.8 35.6 53.4



#40  
Benzene  
Concen: 48.495 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 78 Resp: 947922  
Ion Ratio Lower Upper  
78 100  
77 24.5 18.8 28.2

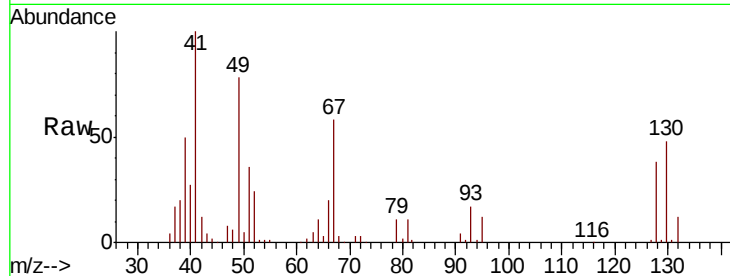




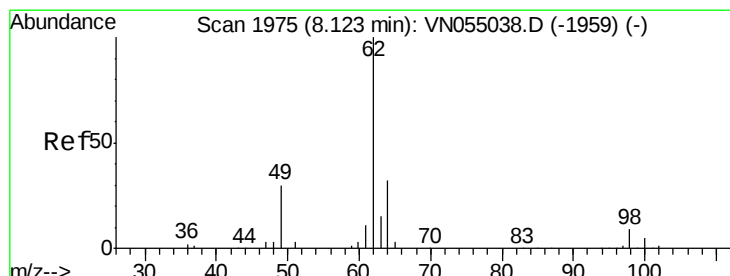
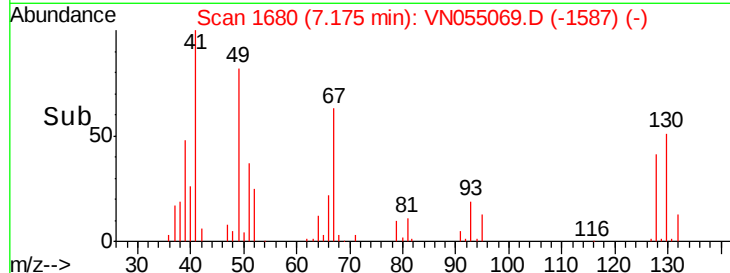
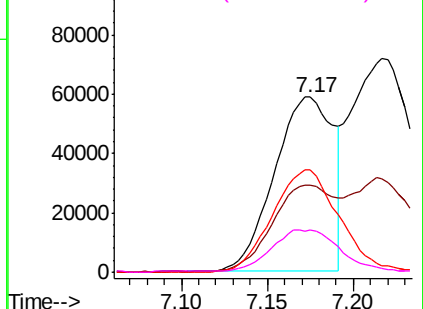
#41  
Methacrylonitrile  
Concen: 47.801 ug/l  
RT: 7.17 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 140103 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 51.4  | 45.6  | 68.4   |
| 67       | 66.6  | 57.0  | 85.6   |
| 52       | 28.3  | 23.6  | 35.4   |

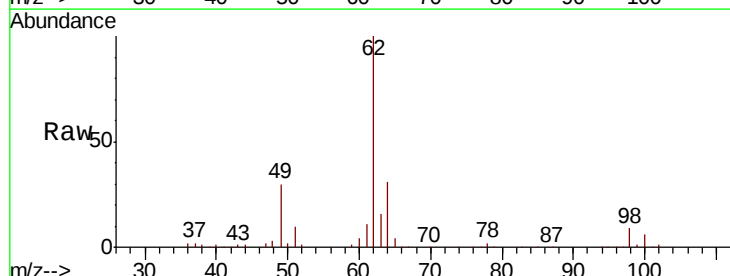


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 67.00 (66.70 to 67.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO

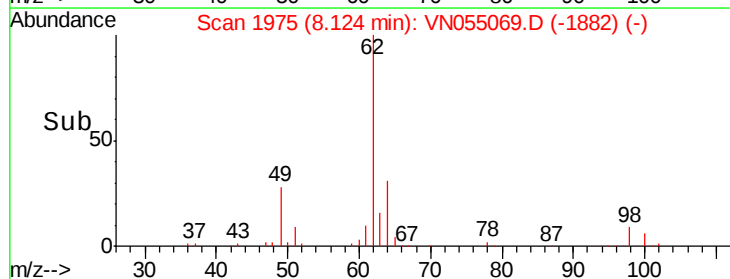
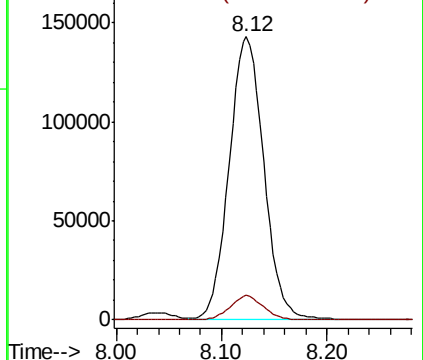


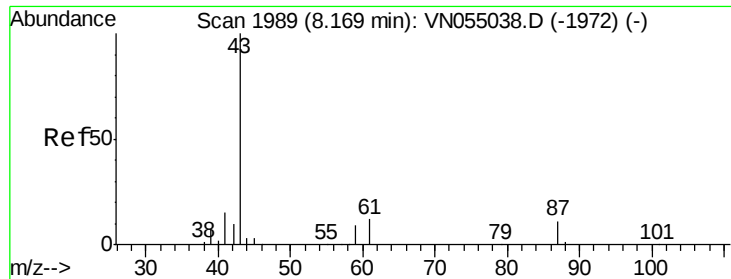
#42  
1,2-Dichloroethane  
Concen: 47.667 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 323497 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.4   | 0.0   | 17.4   |



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



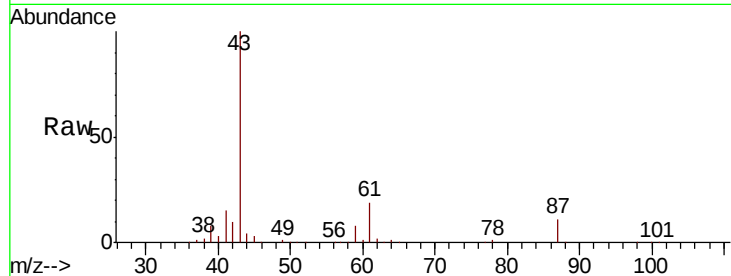


#43

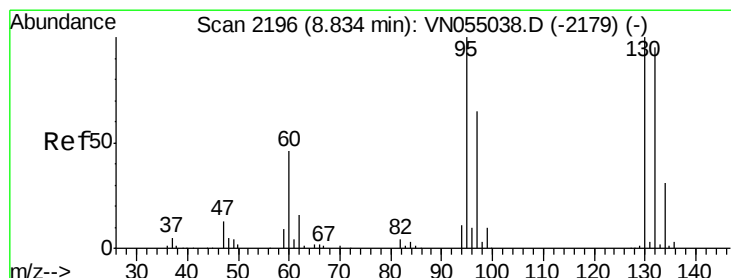
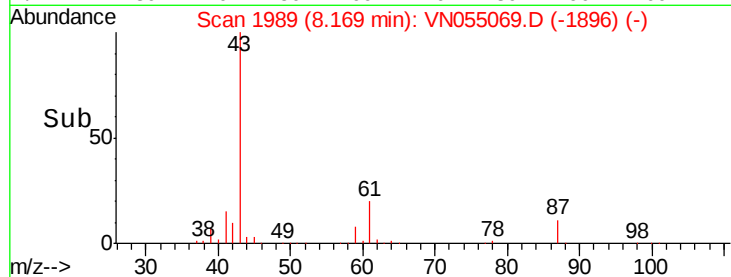
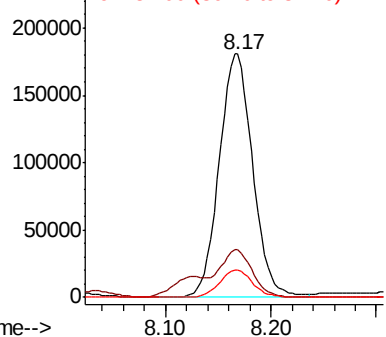
Isopropyl Acetate  
 Concen: 48.949 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 398241  
 Ion Ratio Lower Upper  
 43 100  
 61 18.3 14.3 21.5  
 87 11.2 8.6 13.0



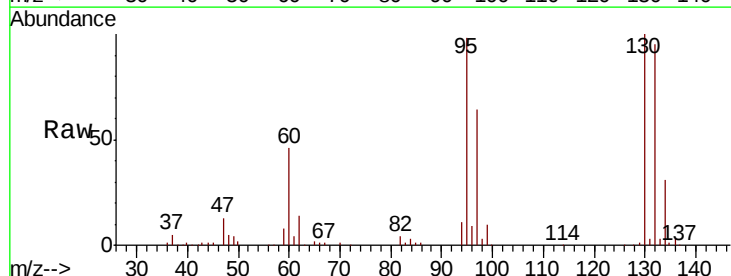
Abundance Ion 43.00 (42.70 to 43.70): VN0  
 Ion 61.00 (60.70 to 61.70): VN0  
 Ion 87.00 (86.70 to 87.70): VN0



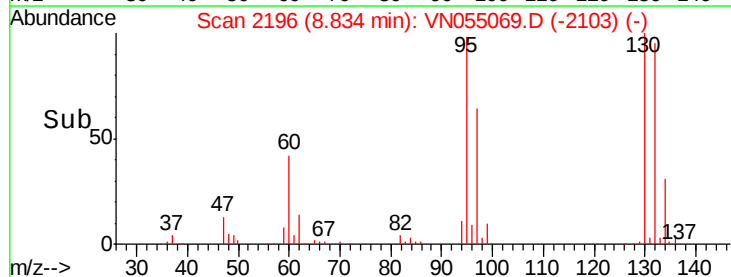
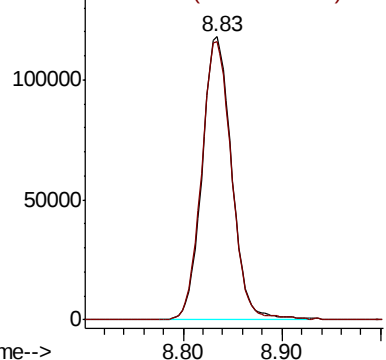
#44

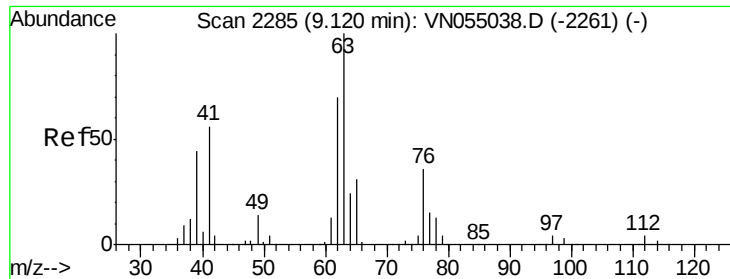
Trichloroethene  
 Concen: 50.496 ug/l  
 RT: 8.83 min Scan# 2196  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Tgt Ion: 130 Resp: 247227  
 Ion Ratio Lower Upper  
 130 100  
 95 98.3 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 49.428 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

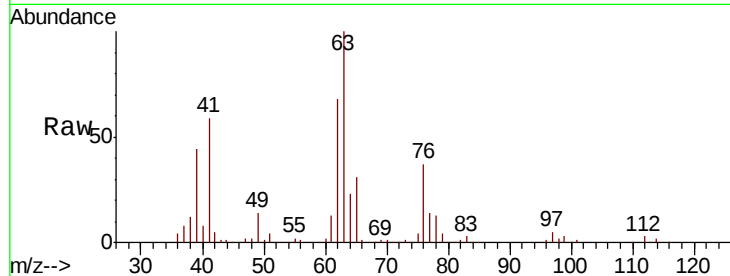
VSTDCCC050

Tot Ion: 63 Resp: 269448

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN055038.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN055038.D (-2261) (-)

150000

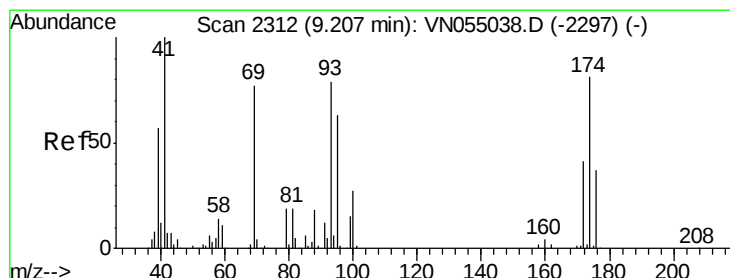
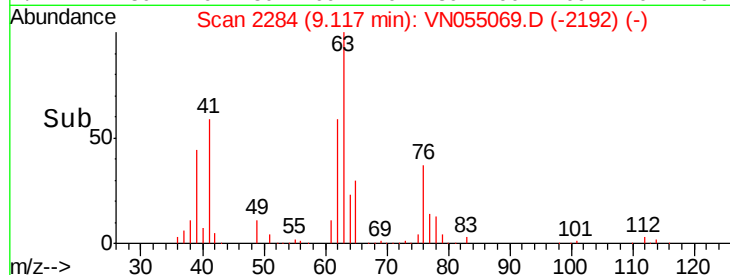
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 48.145 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

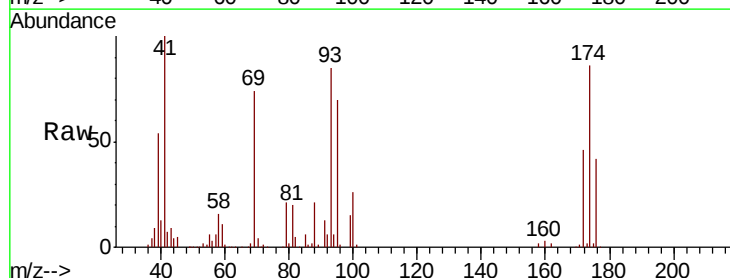
Tgt Ion: 93 Resp: 149386

Ion Ratio Lower Upper

93 100

95 82.9 65.0 97.6

174 102.7 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VN055038.D (-2297) (-)

Ion 94.80 (94.50 to 95.50): VN055038.D (-2297) (-)

Ion 173.70 (173.40 to 174.40): VN055038.D (-2297) (-)

100000

80000

60000

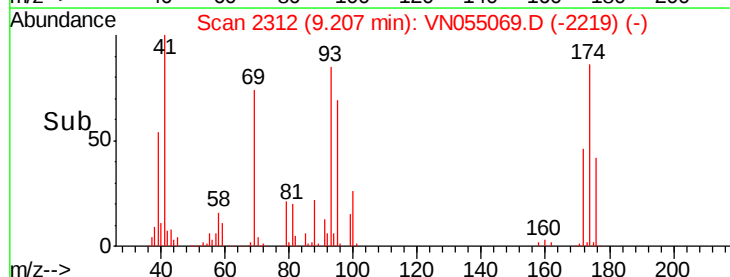
40000

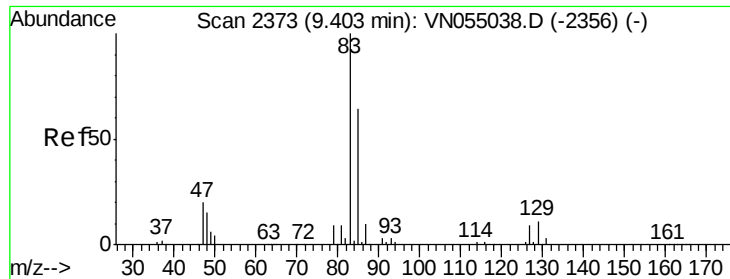
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 49.795 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

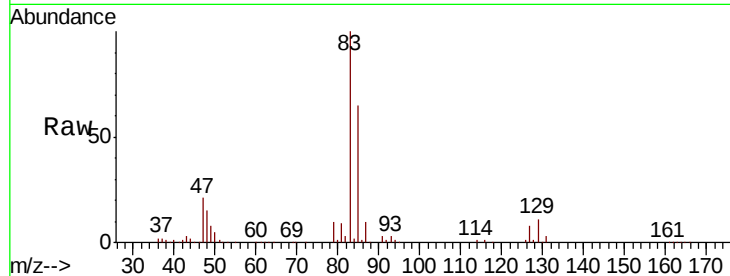
Tot Ion: 83 Resp: 318551

Ion Ratio Lower Upper

83 100

85 65.0 51.2 76.8

127 8.4 6.8 10.2

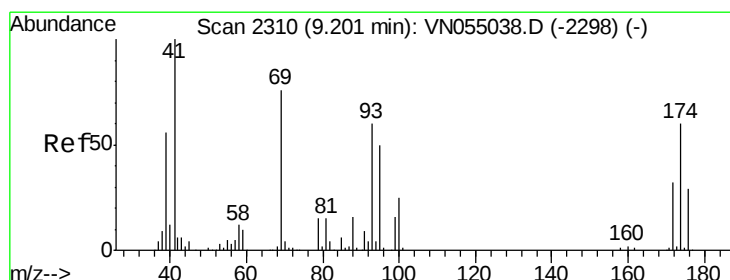
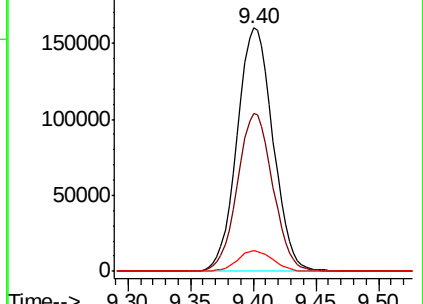
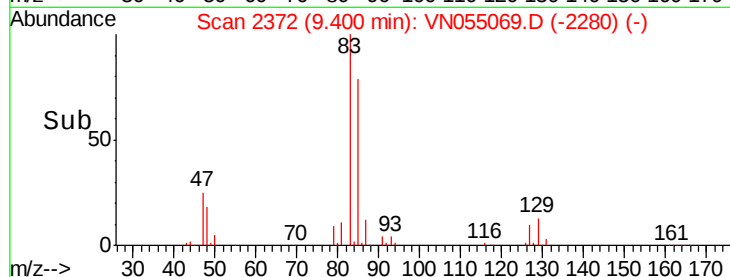


Abundance Ion 82.90 (82.60 to 83.60): VN055038.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055038.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055038.D (-2356) (-)

Time-->



#48

Methyl methacrylate

Concen: 49.653 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

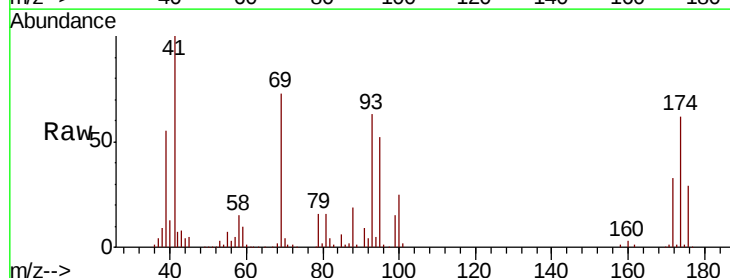
Tgt Ion: 41 Resp: 200229

Ion Ratio Lower Upper

41 100

69 75.0 60.5 90.7

39 53.8 43.9 65.9

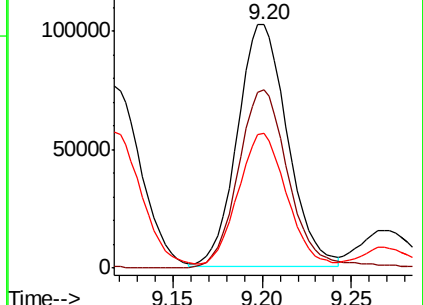
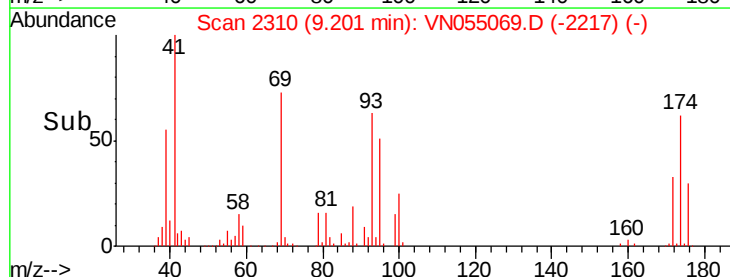


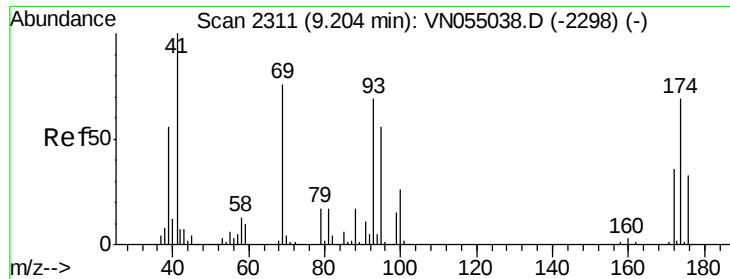
Abundance Ion 41.00 (40.70 to 41.70): VN055038.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN055038.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN055038.D (-2298) (-)

Time-->





#49

1,4-Dioxane

Concen: 1060.229 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

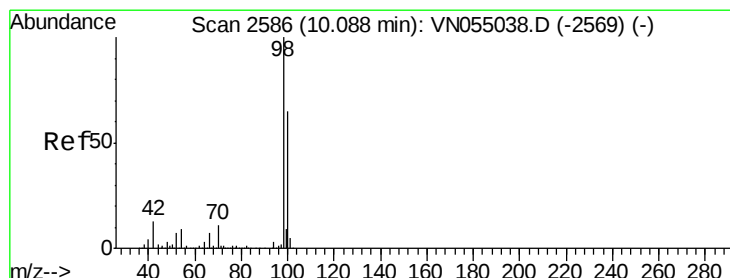
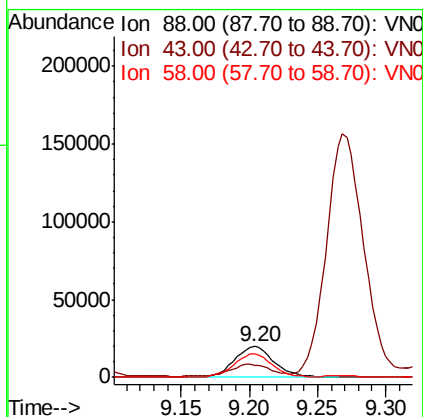
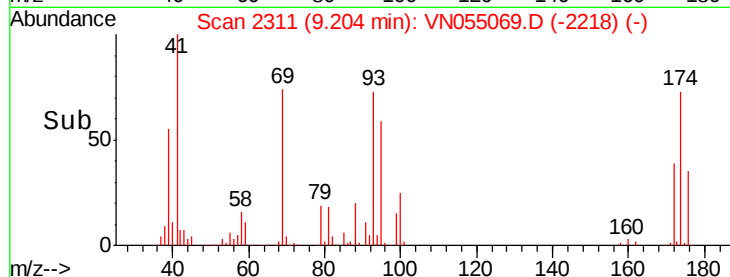
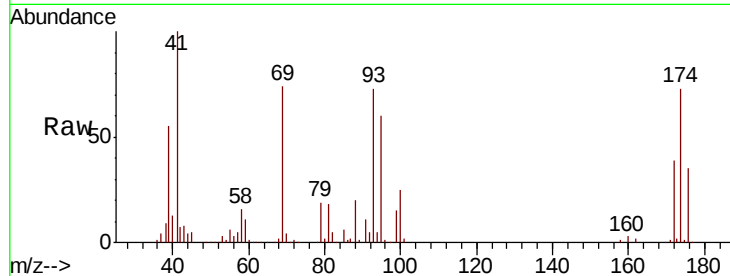
Tot Ion: 88 Resp: 40056

Ion Ratio Lower Upper

88 100

43 39.6 31.8 47.8

58 74.7 61.6 92.4



#50

Toluene-d8

Concen: 49.282 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055069.D

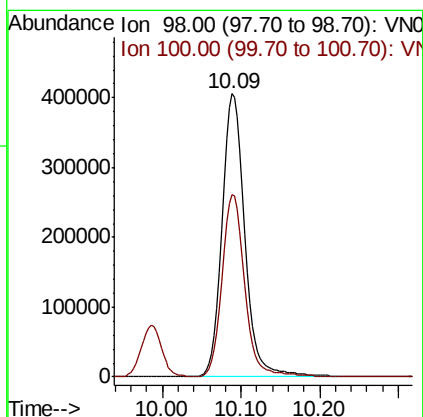
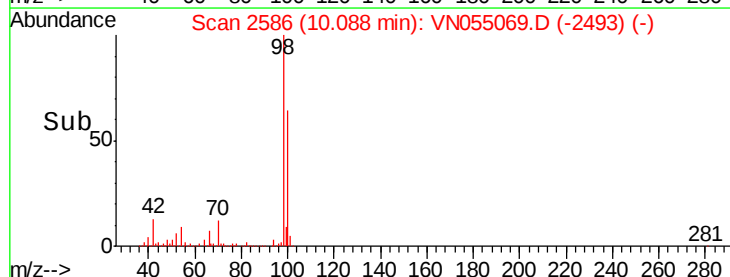
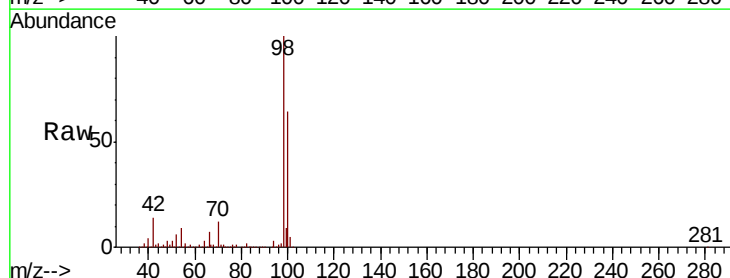
Acq: 16 Apr 2019 11:04

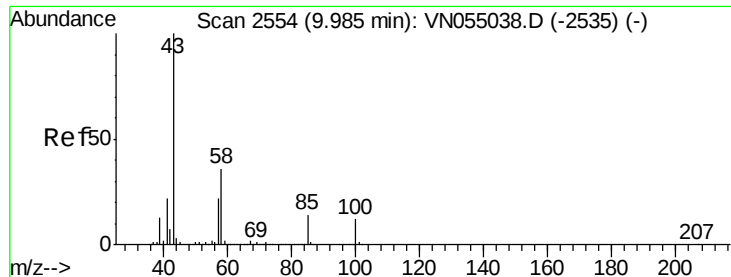
Tgt Ion: 98 Resp: 810994

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 241.763 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

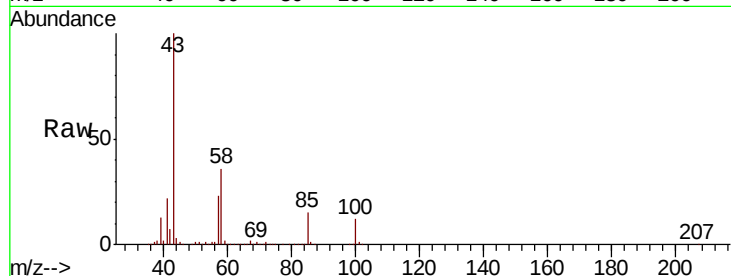
VSTDCCC050

Tot Ion: 43 Resp: 1136355

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2535) (-)

9.99

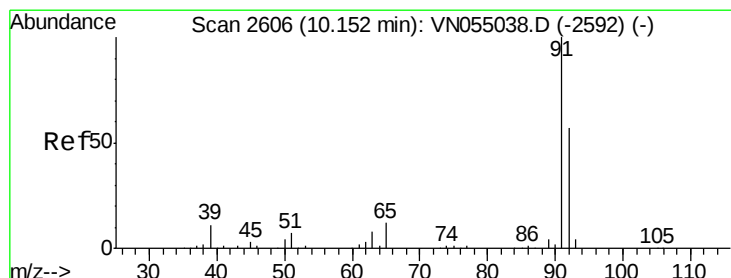
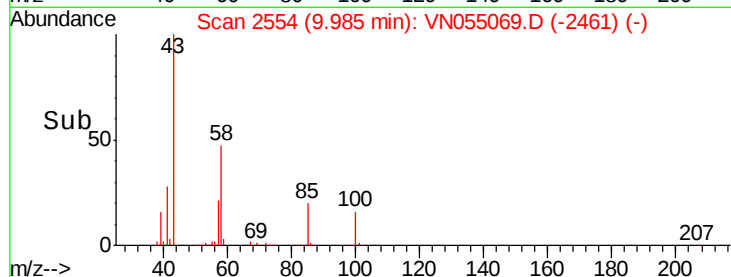
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.493 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055069.D

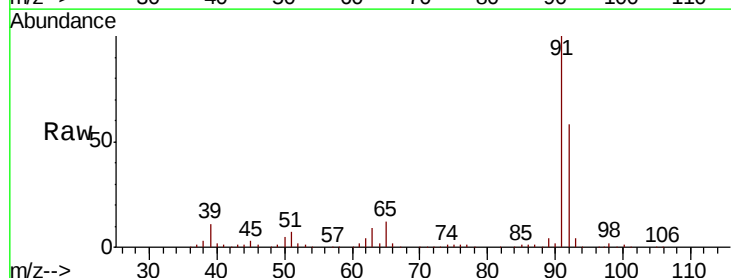
Acq: 16 Apr 2019 11:04

Tgt Ion: 92 Resp: 565288

Ion Ratio Lower Upper

92 100

91 174.5 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055038.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN055038.D (-2592) (-)

10.15

600000

500000

400000

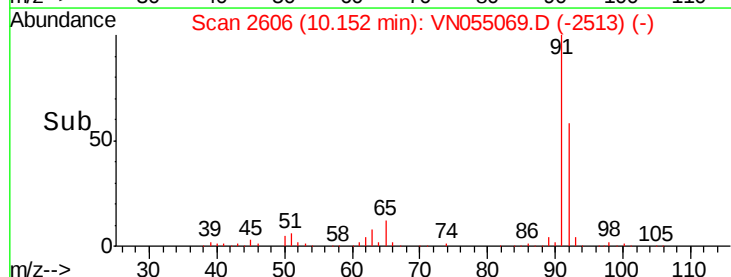
300000

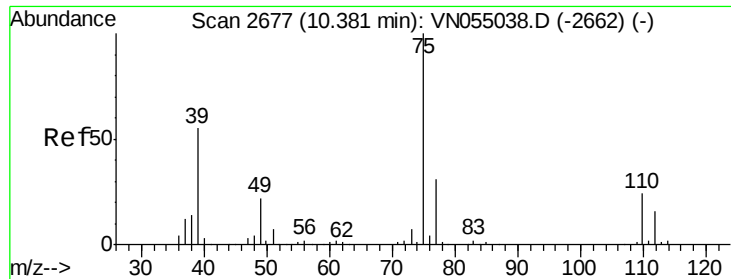
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.716 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

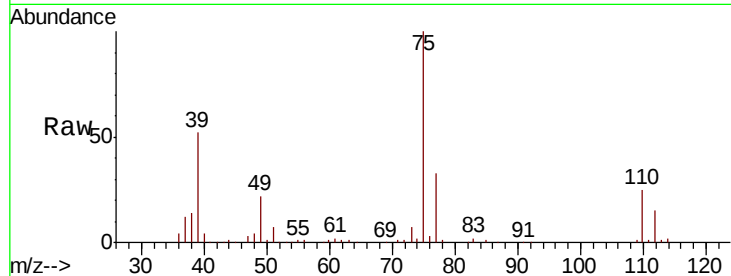
VSTDCCC050

Tot Ion: 75 Resp: 305894

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

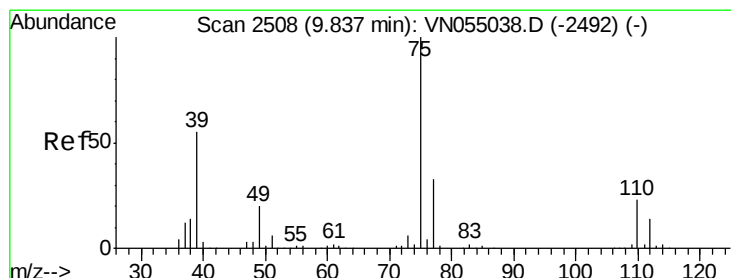
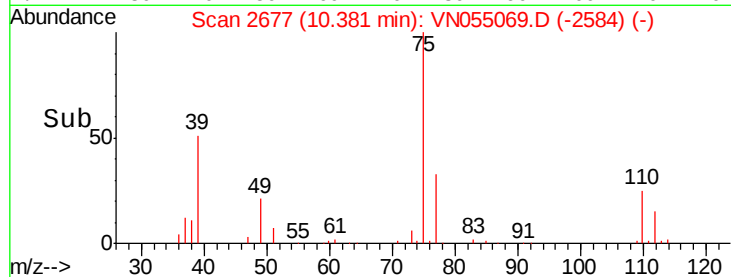
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.670 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

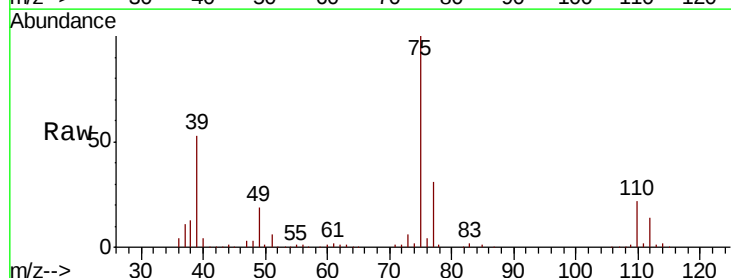
Tgt Ion: 75 Resp: 379341

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

39 52.7 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

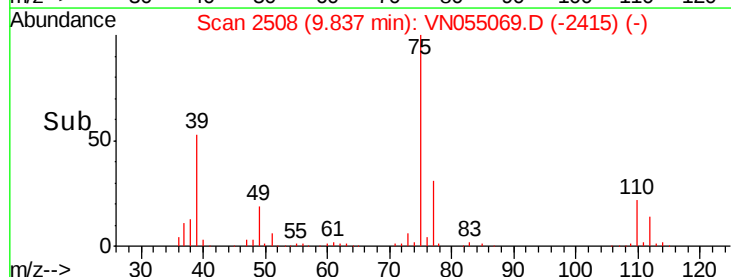
150000

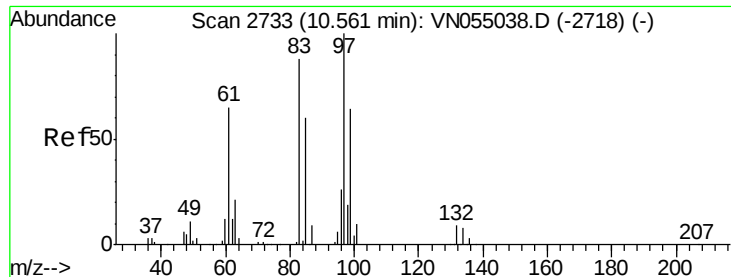
100000

50000

0

Time-->

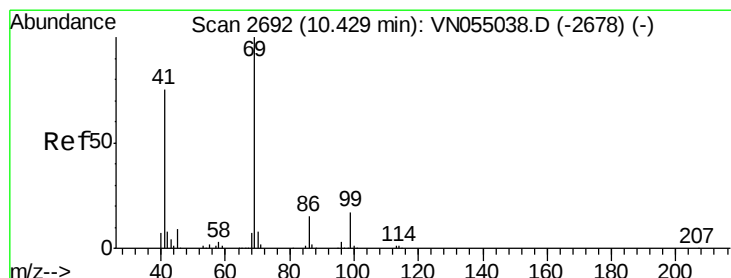
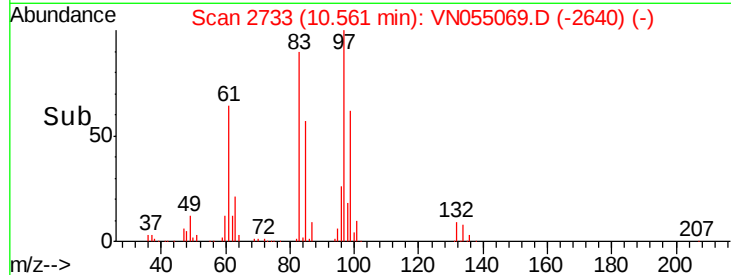
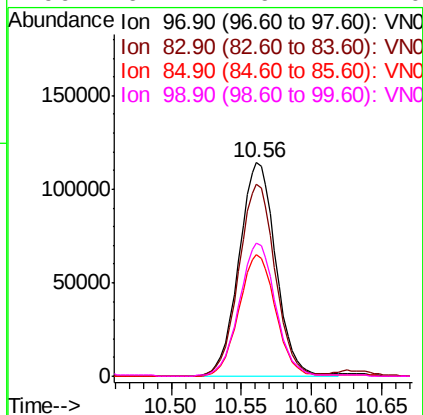
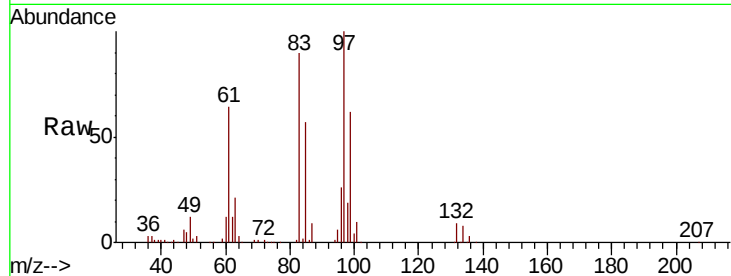




#55  
 1,1,2-Trichloroethane  
 Concen: 48.531 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

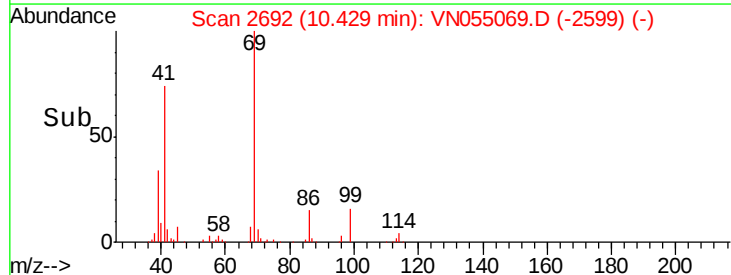
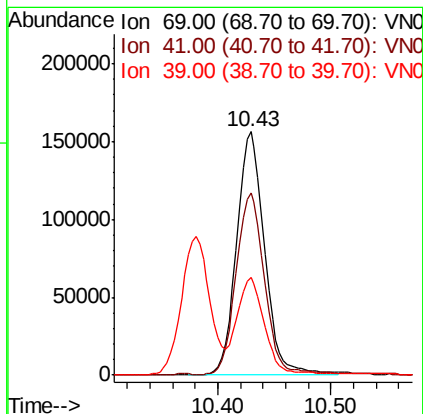
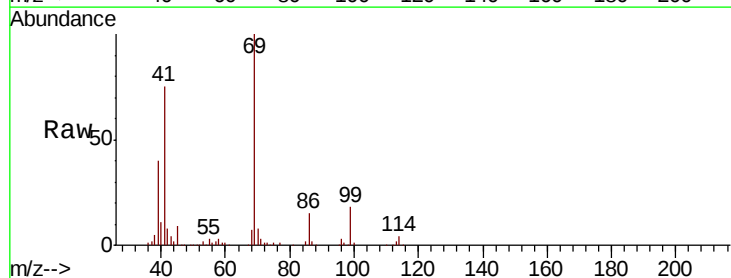
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

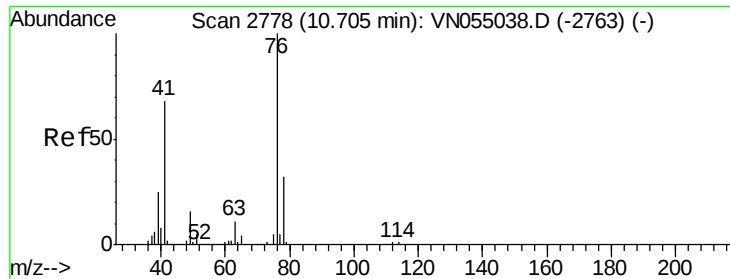
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 209329 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 89.9  | 70.5  | 105.7  |
| 85       | 56.7  | 45.5  | 68.3   |
| 99       | 62.1  | 49.4  | 74.0   |



#56  
 Ethyl methacrylate  
 Concen: 52.118 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 269785 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 75.3  | 61.4  | 92.0   |
| 39       | 38.6  | 30.8  | 46.2   |

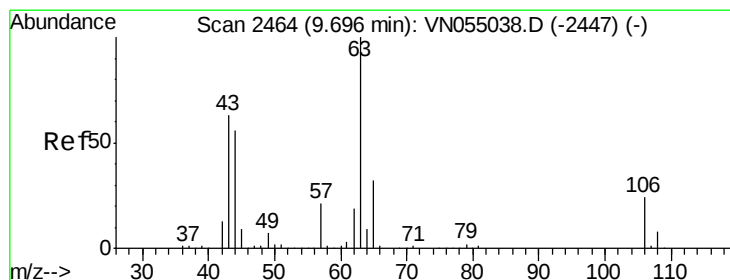
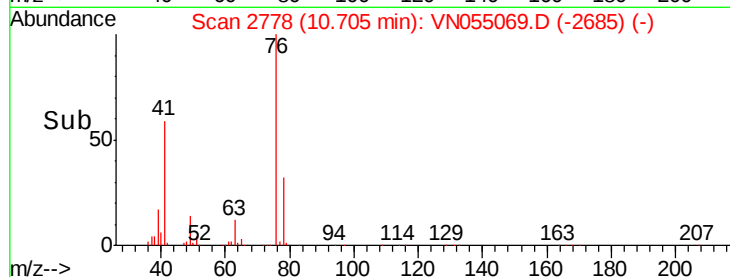
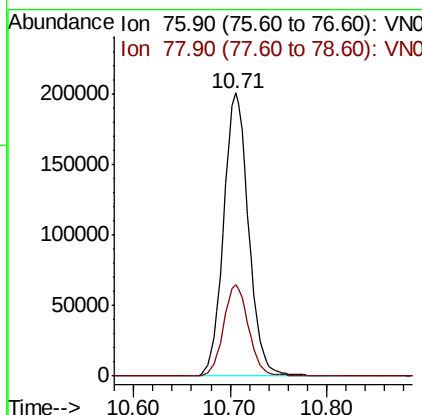
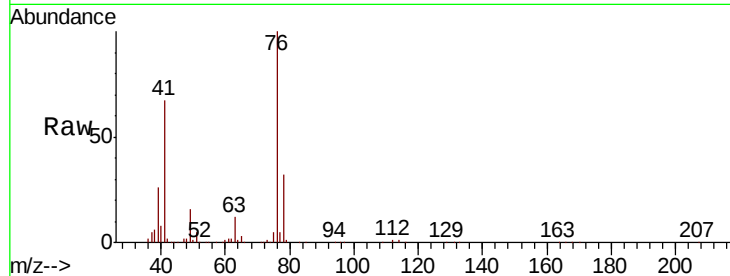




#57  
 1,3-Dichloropropane  
 Concen: 49.059 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

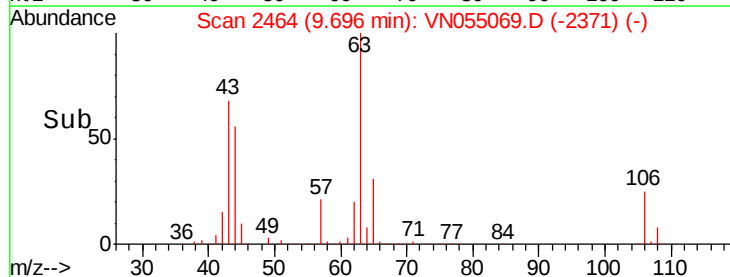
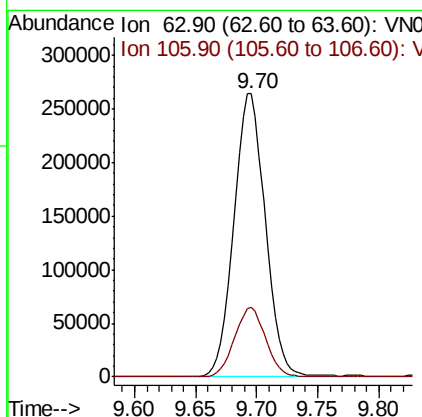
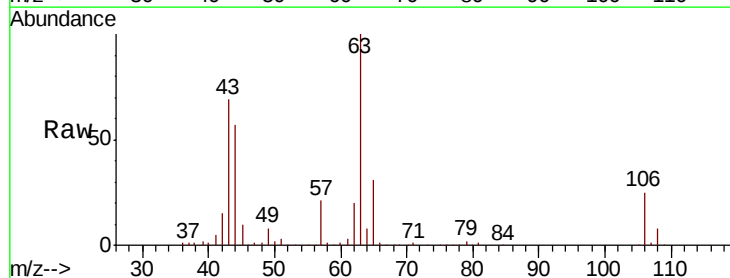
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

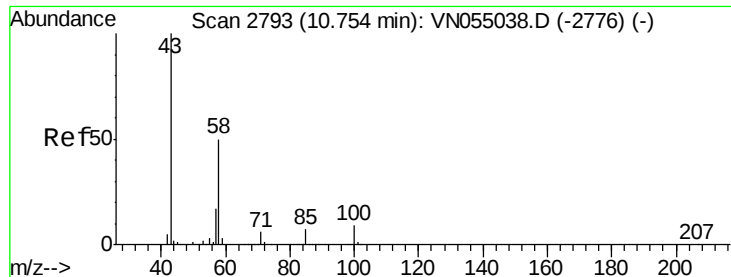
Tot Ion: 76 Resp: 360280  
 Ion Ratio Lower Upper  
 76 100  
 78 32.4 25.6 38.4



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 210.121 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Tgt Ion: 63 Resp: 473669  
 Ion Ratio Lower Upper  
 63 100  
 106 24.3 20.0 30.0

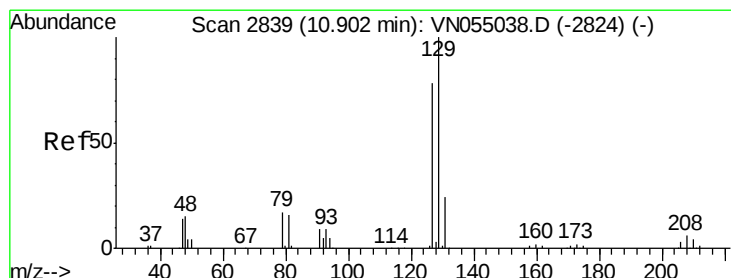
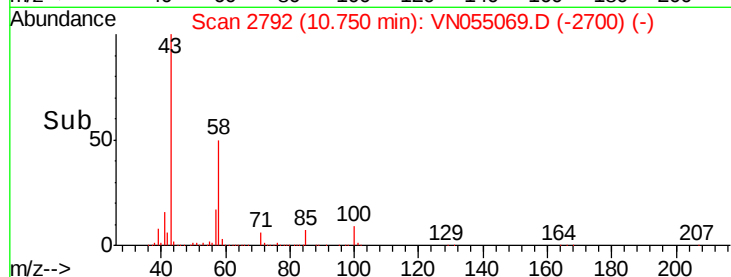
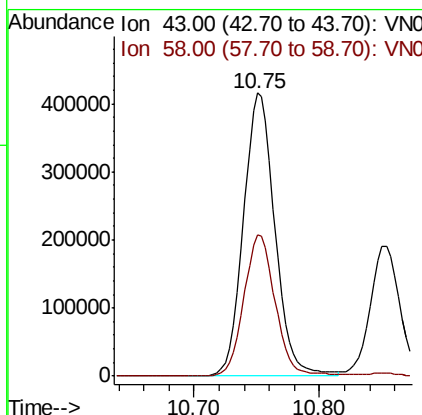
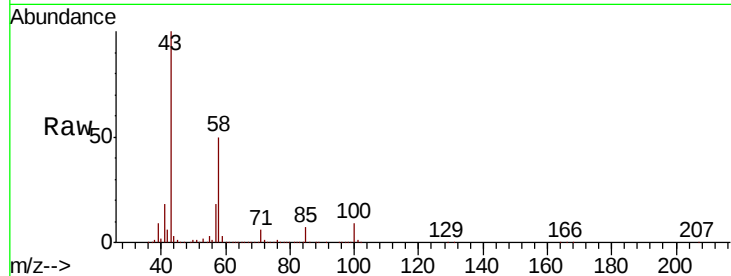




#59  
2-Hexanone  
Concen: 244.990 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

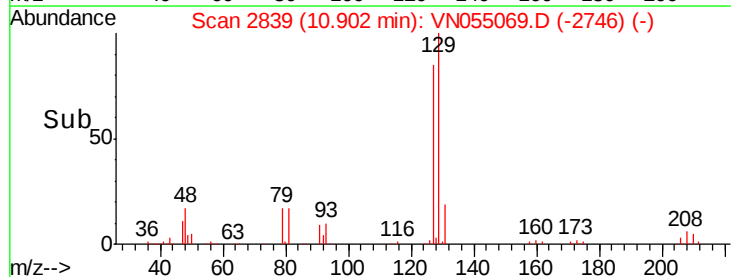
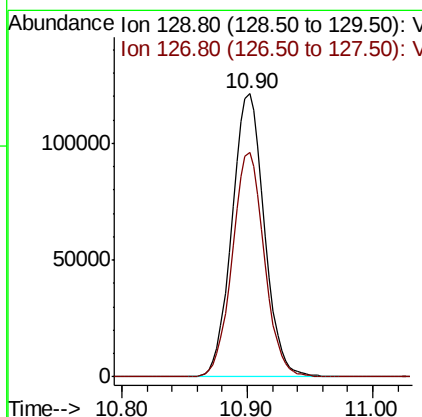
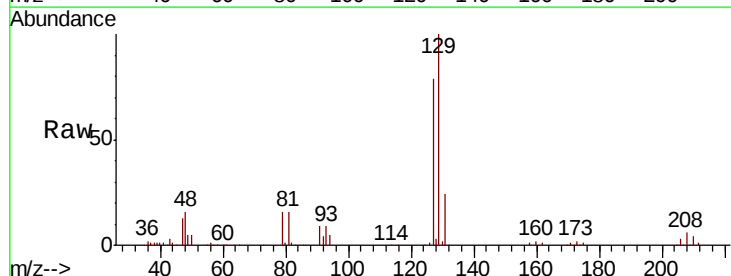
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

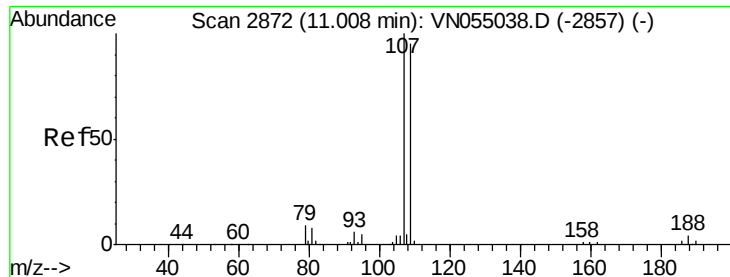
Tot Ion: 43 Resp: 723263  
Ion Ratio Lower Upper  
43 100  
58 50.0 25.1 75.2



#60  
Dibromochloromethane  
Concen: 51.613 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 129 Resp: 217386  
Ion Ratio Lower Upper  
129 100  
127 78.5 38.2 114.6

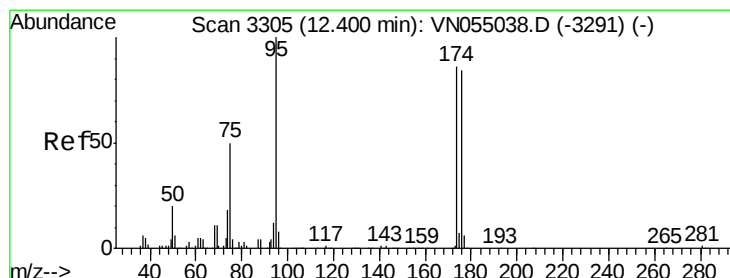
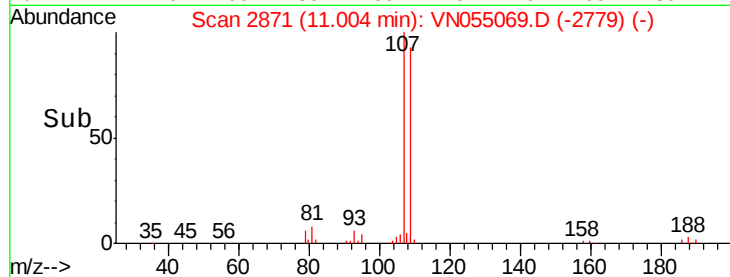
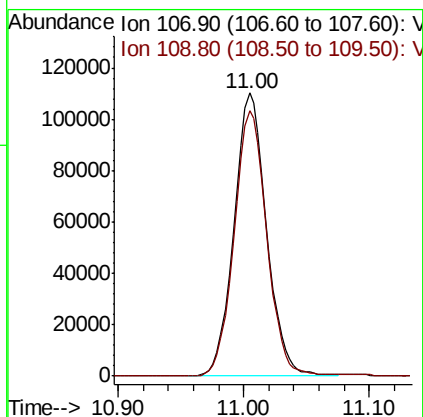
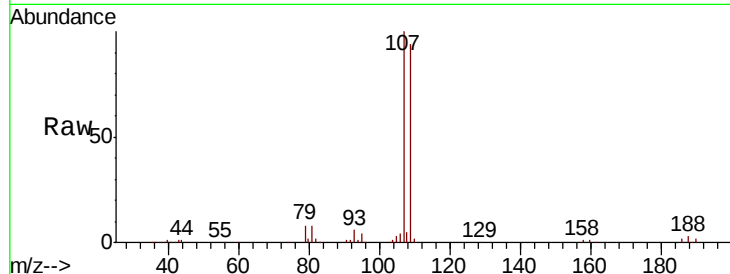




#61  
 1,2-Dibromoethane  
 Concen: 49.901 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

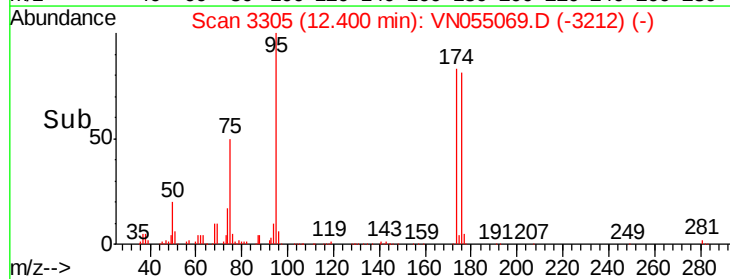
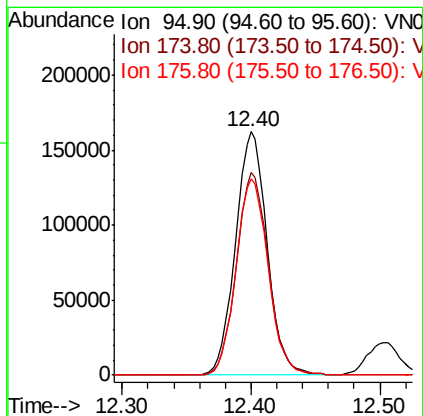
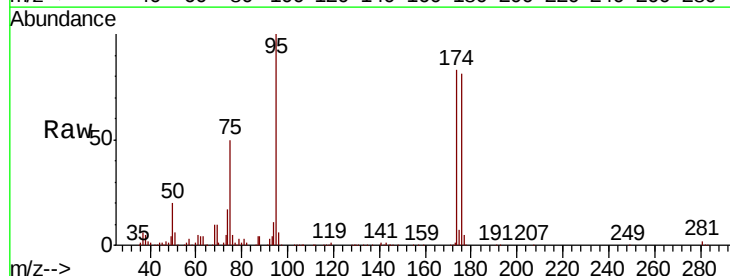
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

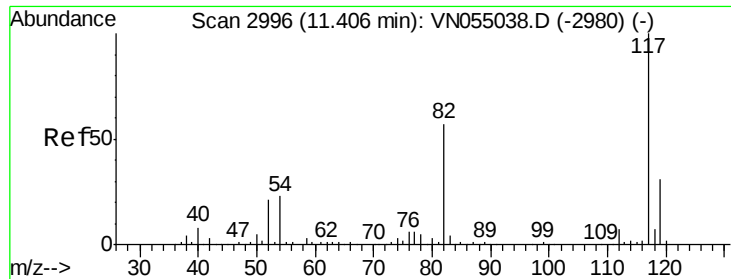
Tot Ion: 107 Resp: 198107  
 Ion Ratio Lower Upper  
 107 100  
 109 93.9 76.5 114.7



#62  
 4-Bromofluorobenzene  
 Concen: 51.637 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Tgt Ion: 95 Resp: 276253  
 Ion Ratio Lower Upper  
 95 100  
 174 84.0 0.0 174.4  
 176 82.1 0.0 166.8

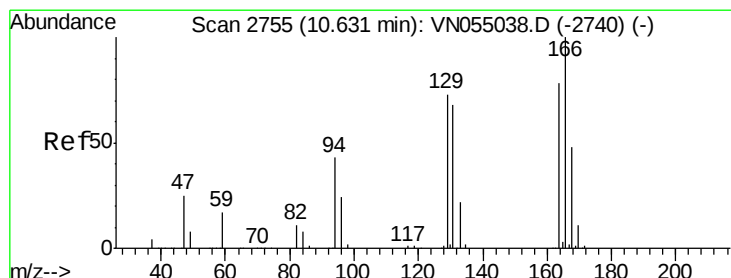
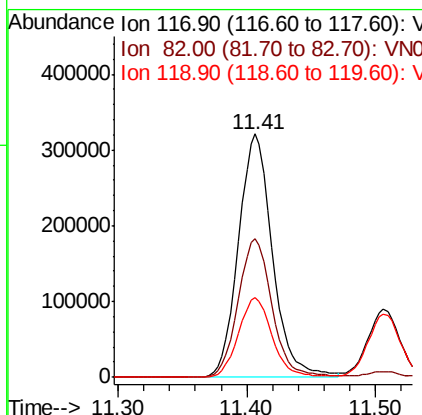
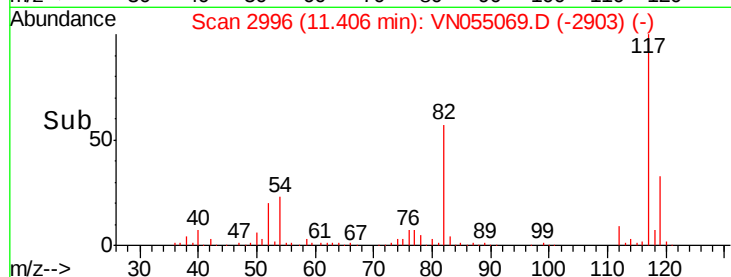
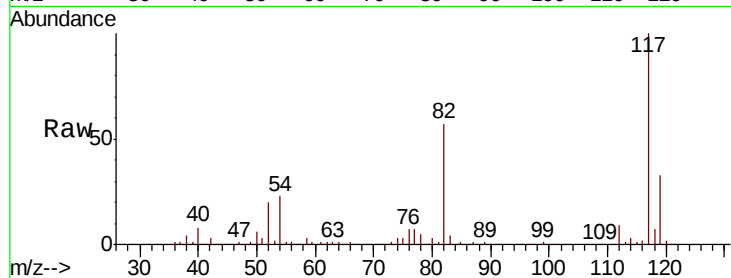




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

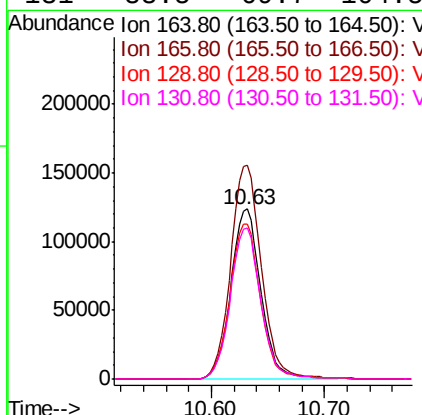
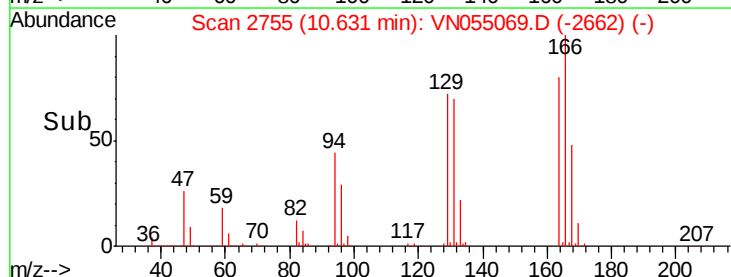
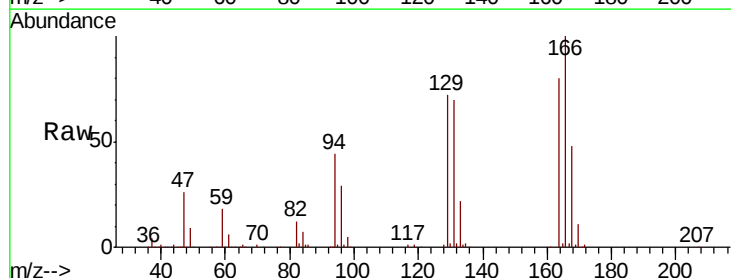
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:117 Resp: 590776  
Ion Ratio Lower Upper  
117 100  
82 57.0 44.6 66.8  
119 32.8 25.5 38.3



#64  
Tetrachloroethene  
Concen: 47.681 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion:164 Resp: 229058  
Ion Ratio Lower Upper  
164 100  
166 125.7 100.0 150.0  
129 90.9 72.0 108.0  
131 88.5 69.7 104.5

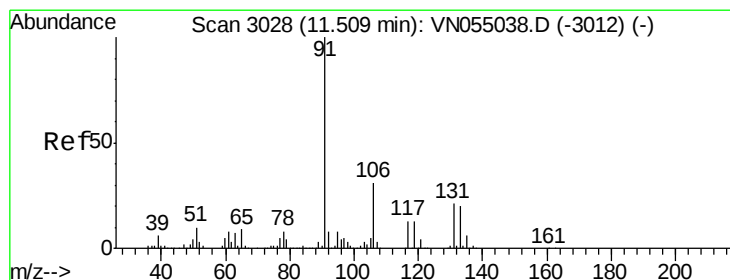
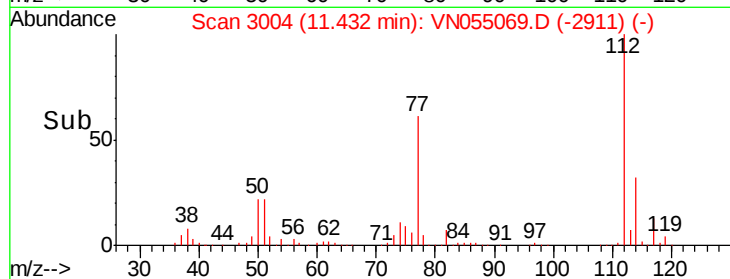
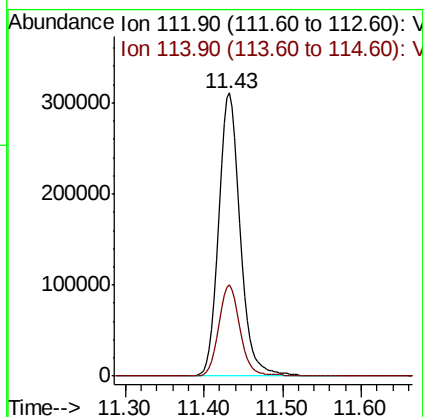
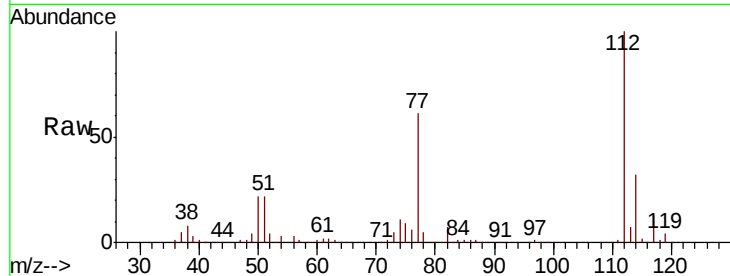




#65  
Chlorobenzene  
Concen: 49.201 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

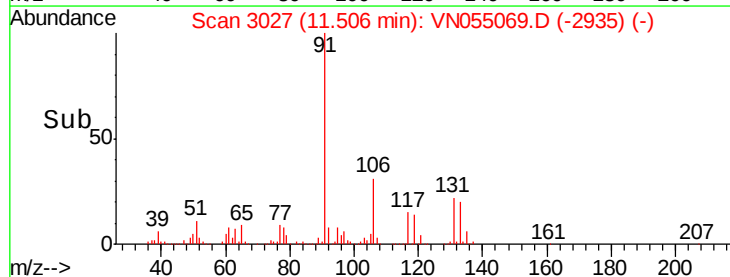
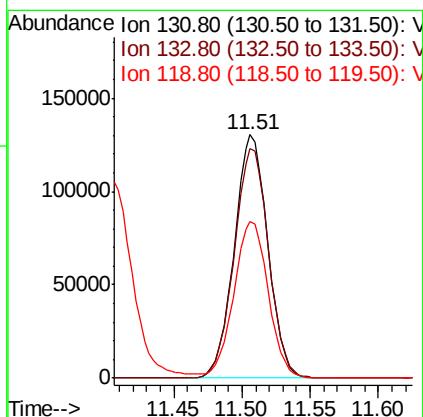
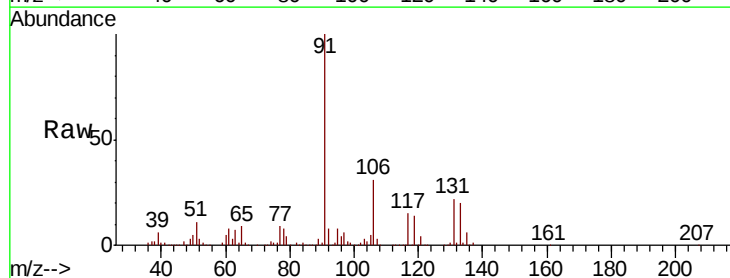
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

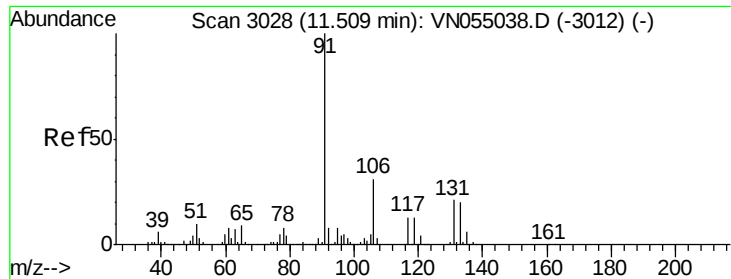
Tot Ion:112 Resp: 585086  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.904 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion:131 Resp: 222640  
Ion Ratio Lower Upper  
131 100  
133 96.5 47.8 143.3  
119 66.1 33.6 100.6

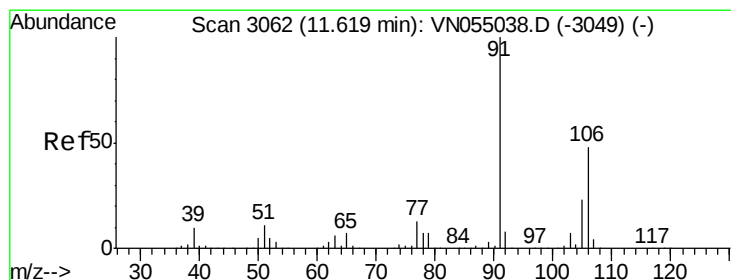
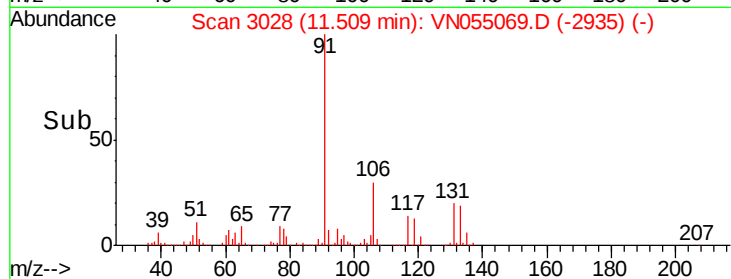
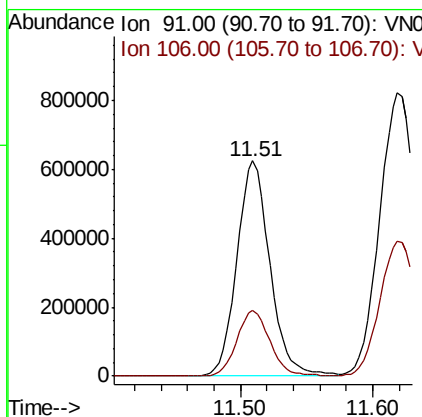
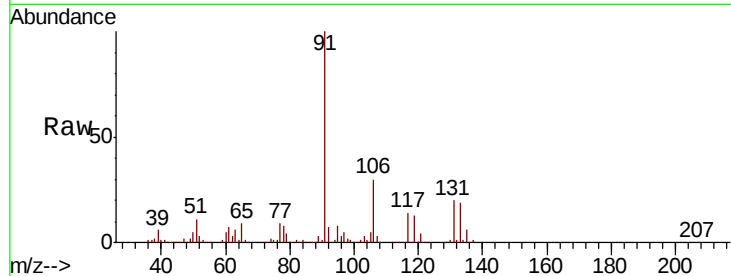




#67  
Ethyl Benzene  
Concen: 50.940 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

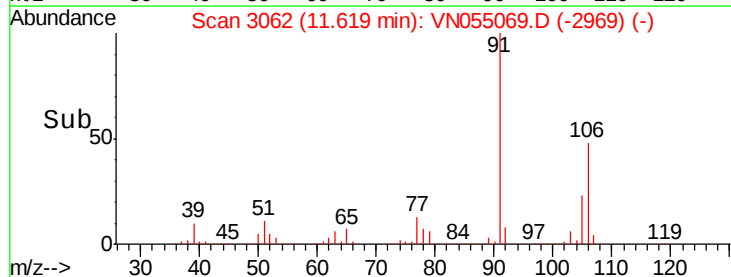
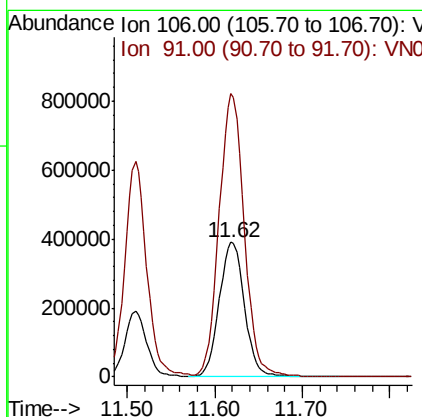
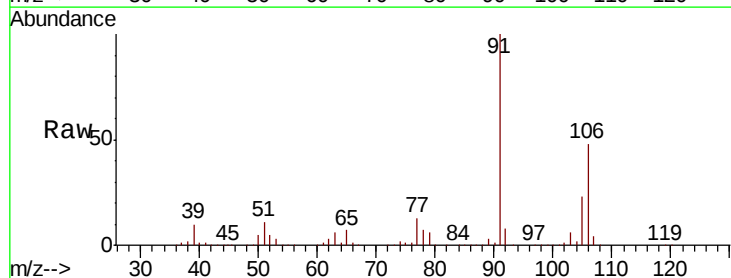
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

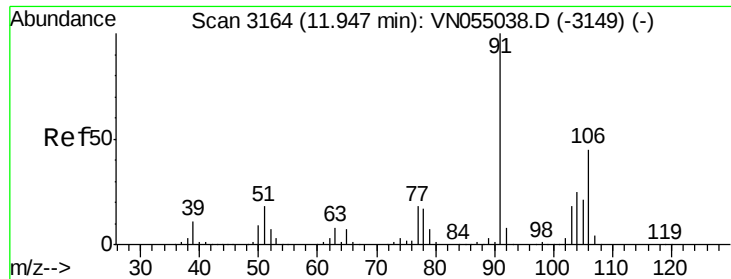
Tot Ion: 91 Resp: 1081786  
Ion Ratio Lower Upper  
91 100  
106 30.3 24.3 36.5



#68  
m/p-Xylenes  
Concen: 102.412 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 106 Resp: 787559  
Ion Ratio Lower Upper  
106 100  
91 208.9 165.9 248.9

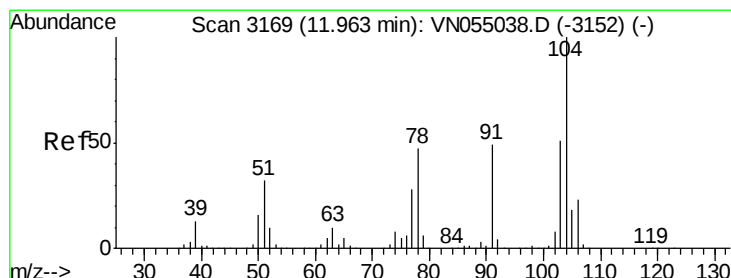
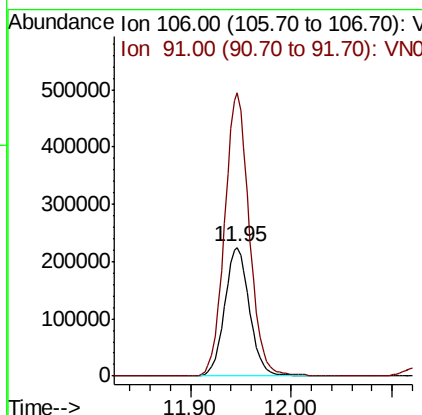
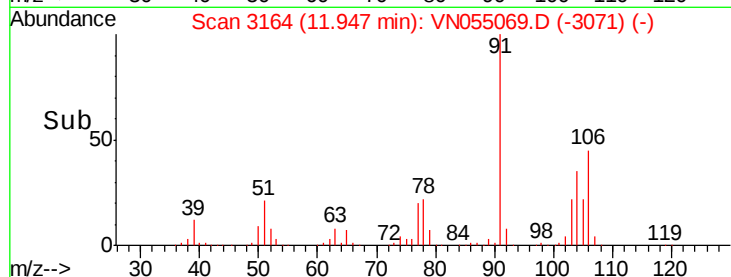
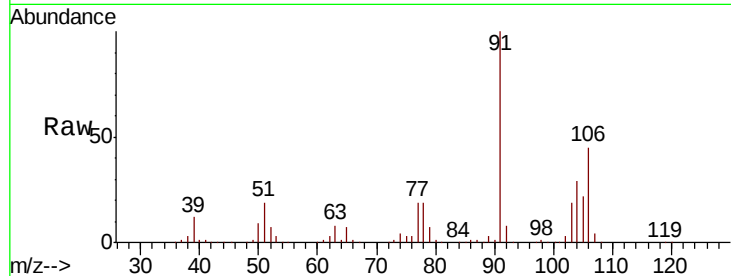




#69  
o-Xylene  
Concen: 51.748 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

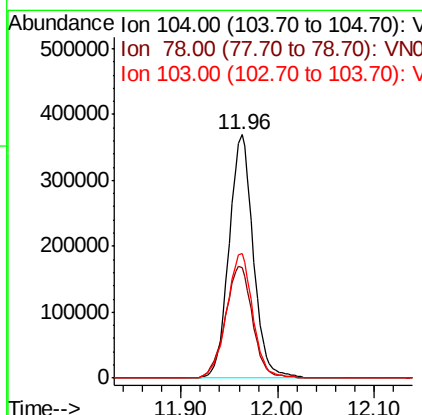
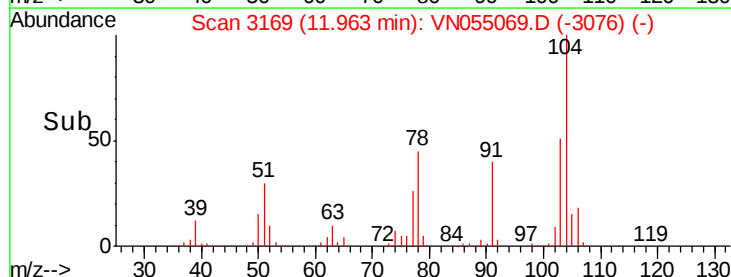
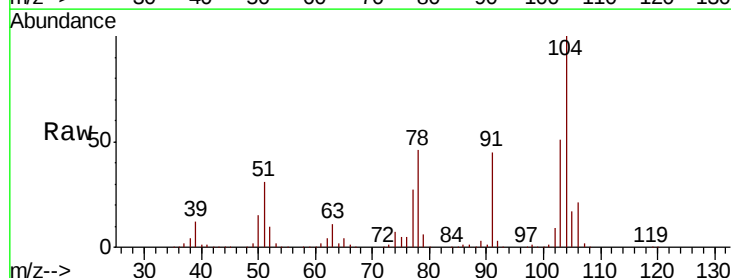
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

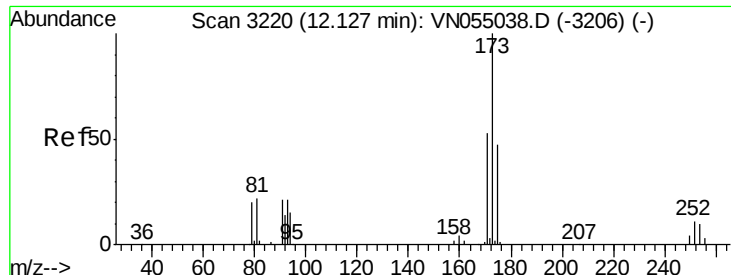
Tot Ion:106 Resp: 385430  
Ion Ratio Lower Upper  
106 100  
91 219.0 109.9 329.8



#70  
Styrene  
Concen: 53.328 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion:104 Resp: 642947  
Ion Ratio Lower Upper  
104 100  
78 51.7 40.3 60.5  
103 55.5 44.3 66.5

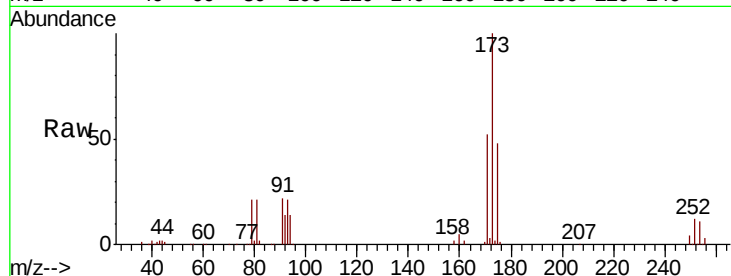




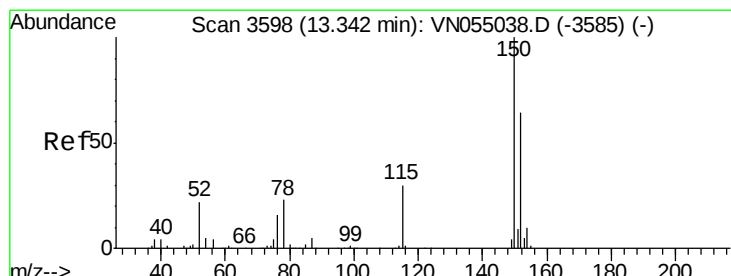
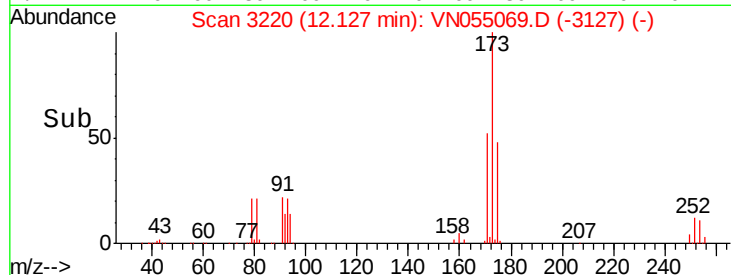
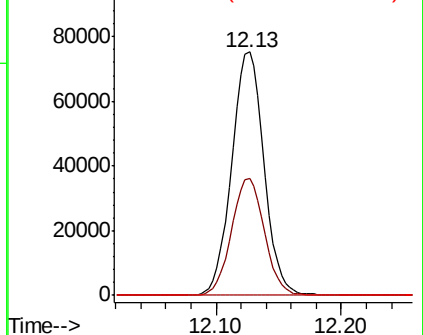
#71  
Bromoform  
Concen: 53.629 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:173 Resp: 134446  
Ion Ratio Lower Upper  
173 100  
175 49.1 24.3 73.0  
254 0.1 0.1 0.1#

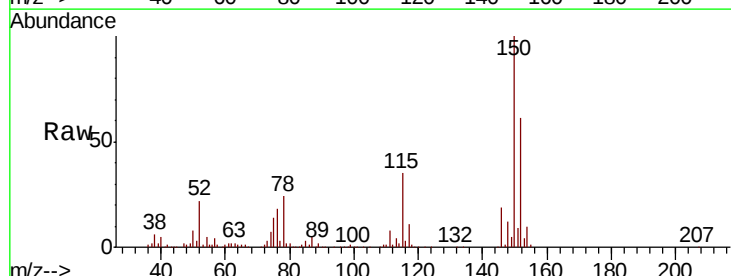


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

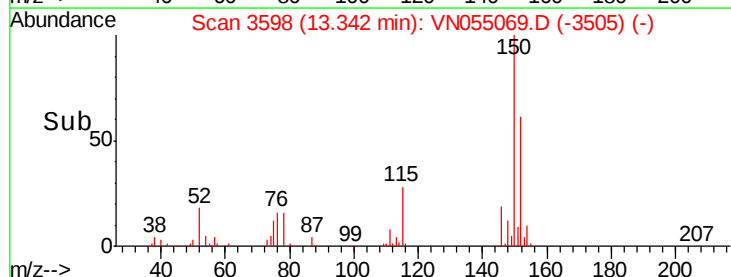
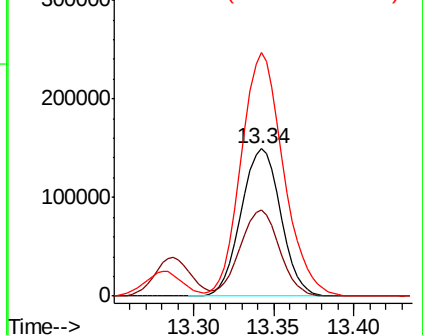


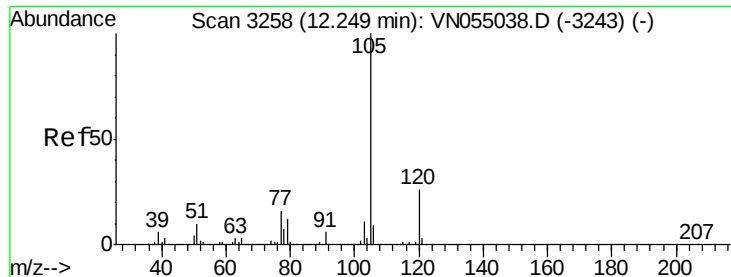
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion:152 Resp: 253053  
Ion Ratio Lower Upper  
152 100  
115 57.9 28.5 85.6  
150 175.9 0.0 347.2



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: 45.648 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

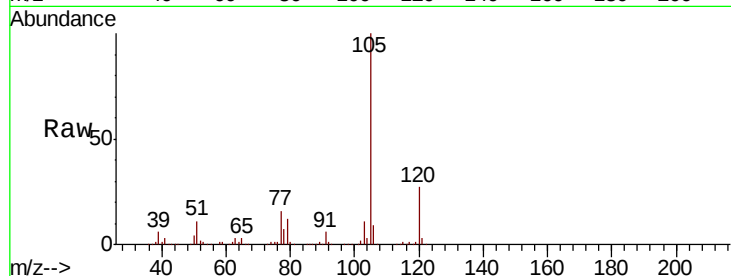
VSTDCCC050

Tot Ion:105 Resp: 1025044

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

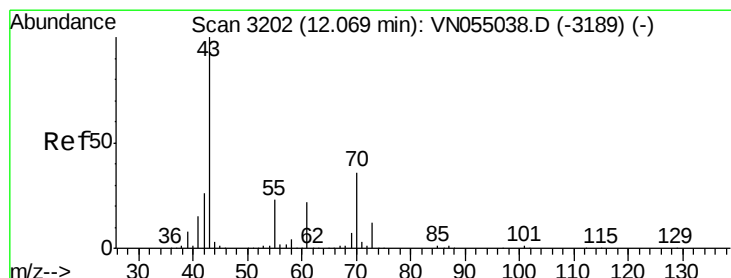
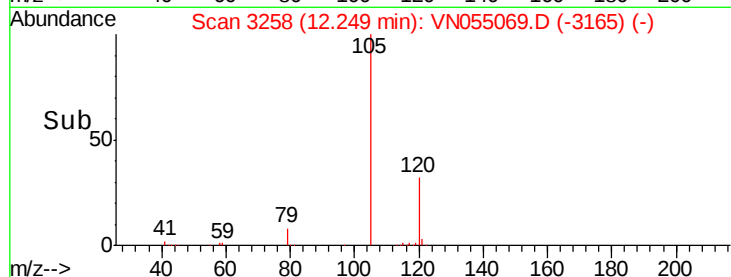
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 49.216 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Tgt Ion: 43 Resp: 311099

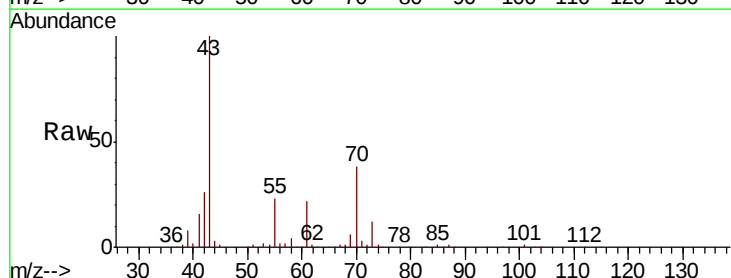
Ion Ratio Lower Upper

43 100

70 37.7 29.4 44.0

55 23.3 19.0 28.4

61 22.4 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

150000

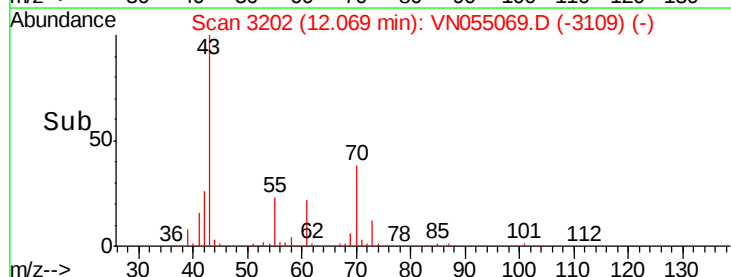
100000

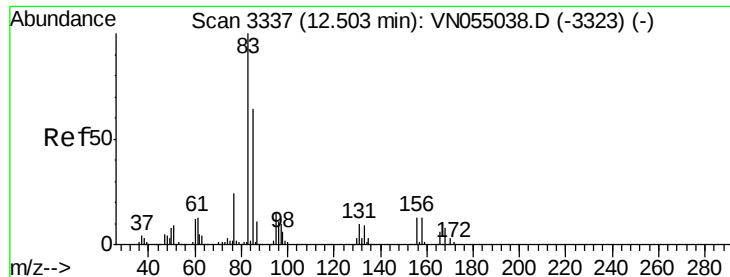
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 41.831 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

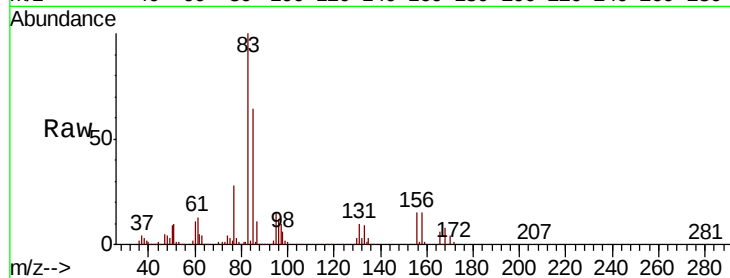
Tot Ion: 83 Resp: 251343

Ion Ratio Lower Upper

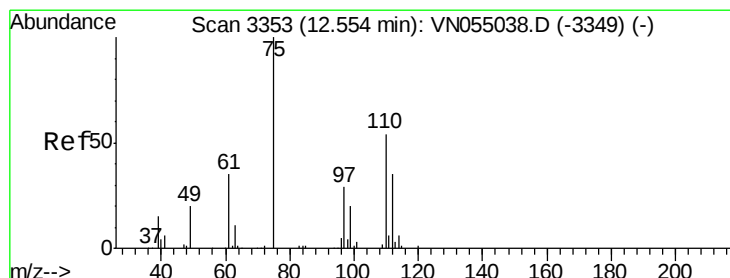
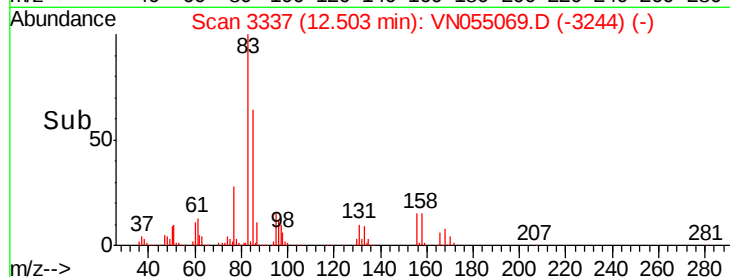
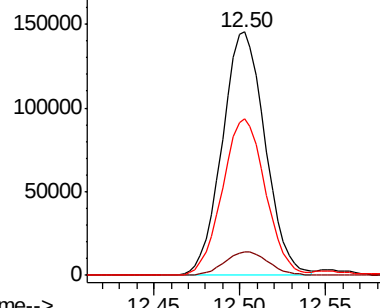
83 100

131 10.0 5.0 15.0

85 64.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 130.80 (130.50 to 131.50): VNO  
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 65.044 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055069.D

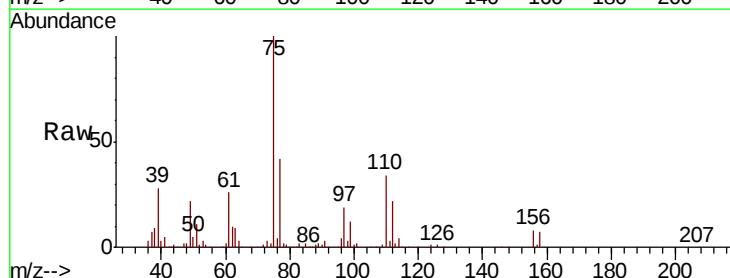
Acq: 16 Apr 2019 11:04

Tgt Ion: 75 Resp: 295983

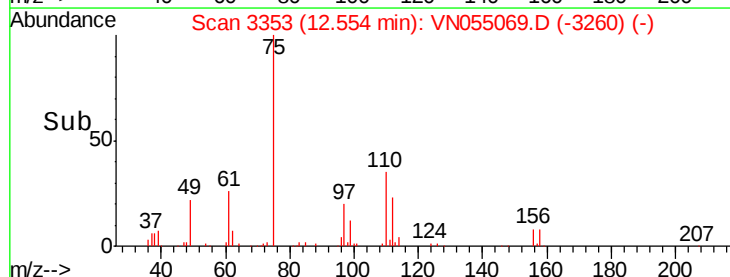
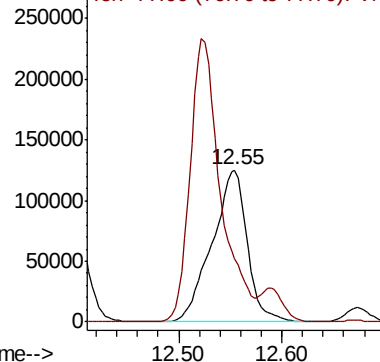
Ion Ratio Lower Upper

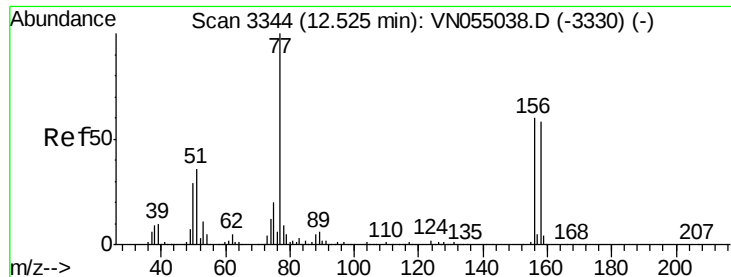
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 44.616 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

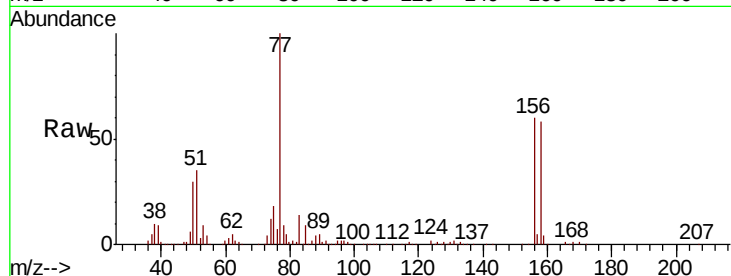
Tot Ion:156 Resp: 249767

Ion Ratio Lower Upper

156 100

77 192.5 97.2 291.5

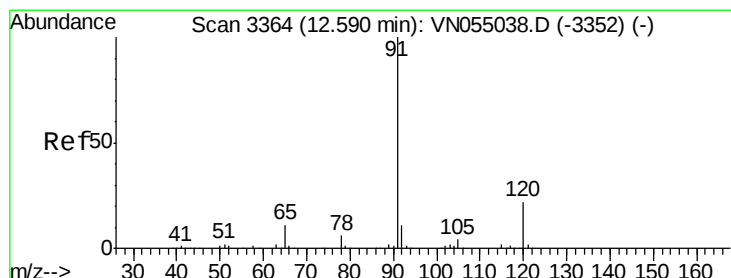
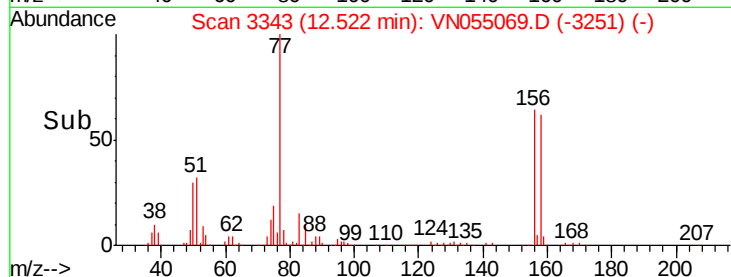
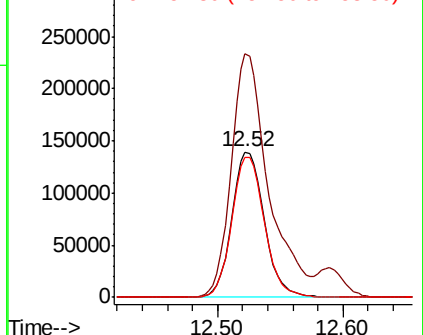
158 97.4 48.6 145.9



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: 47.598 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055069.D

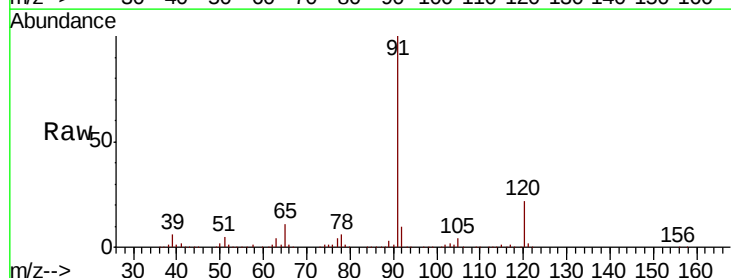
Acq: 16 Apr 2019 11:04

Tgt Ion: 91 Resp: 1154786

Ion Ratio Lower Upper

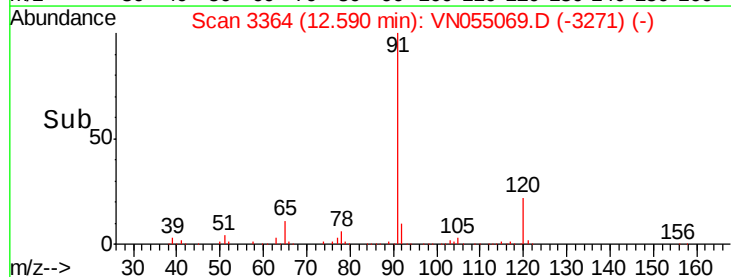
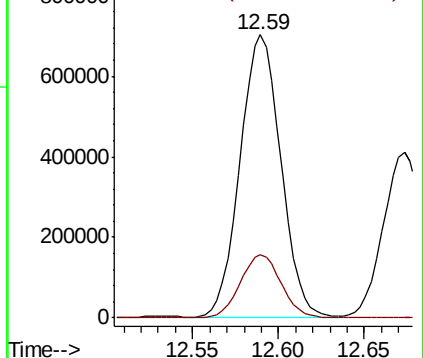
91 100

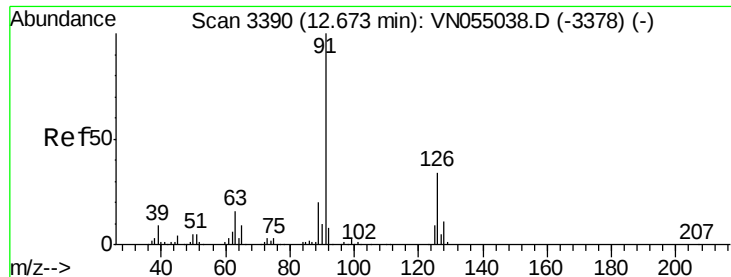
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.768 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

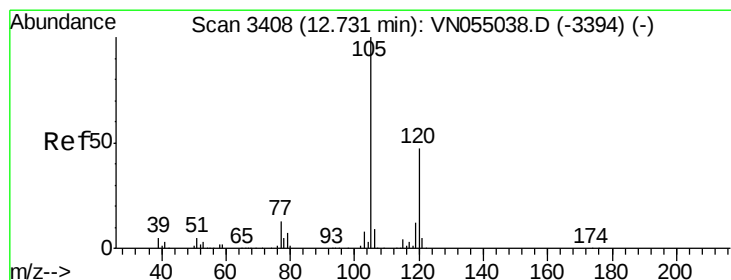
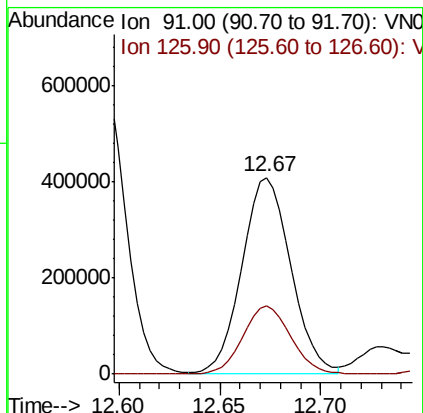
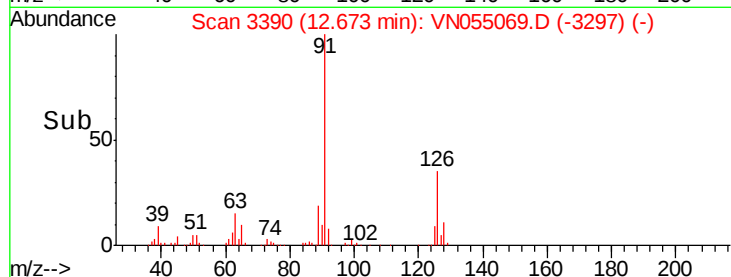
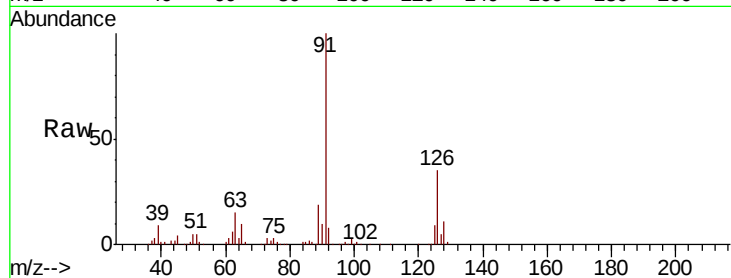
VSTDCCC050

Tot Ion: 91 Resp: 692578

Ion Ratio Lower Upper

91 100

126 34.5 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 46.975 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055069.D

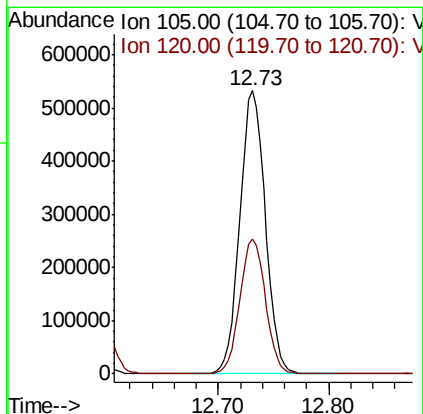
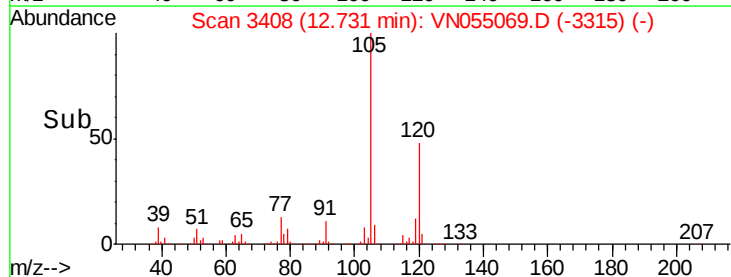
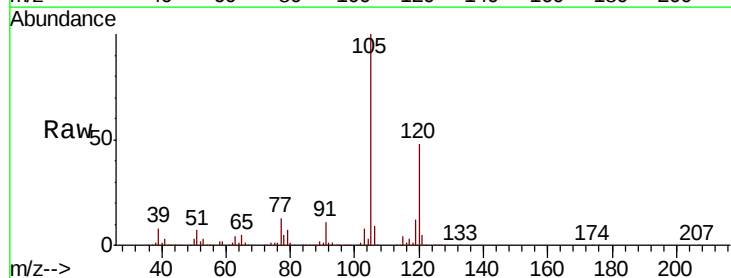
Acq: 16 Apr 2019 11:04

Tgt Ion:105 Resp: 851249

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8

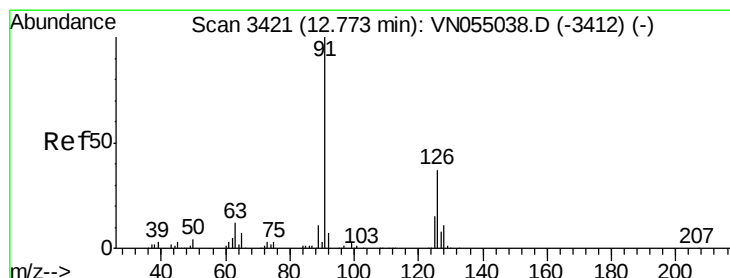
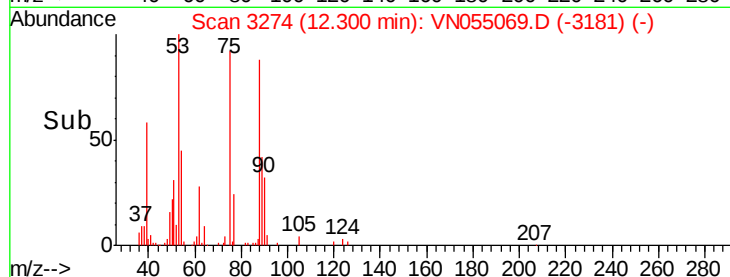
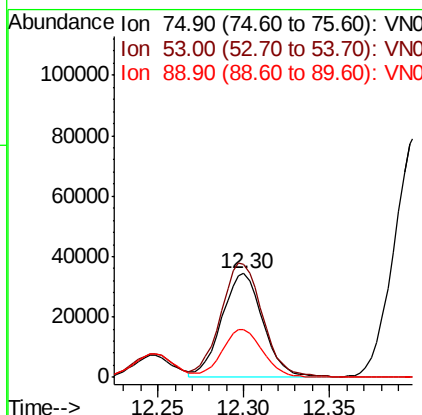
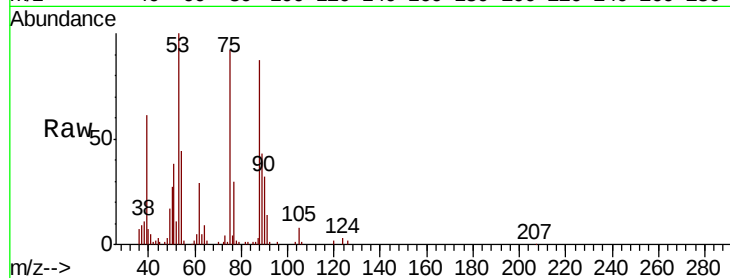




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.119 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

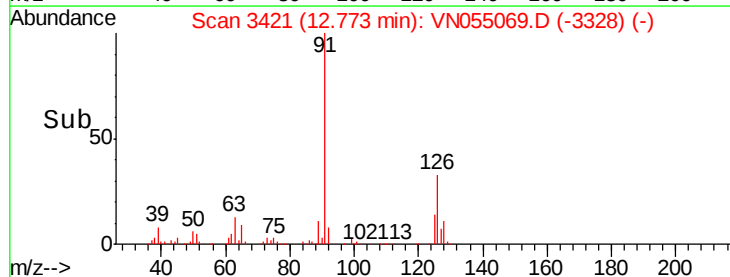
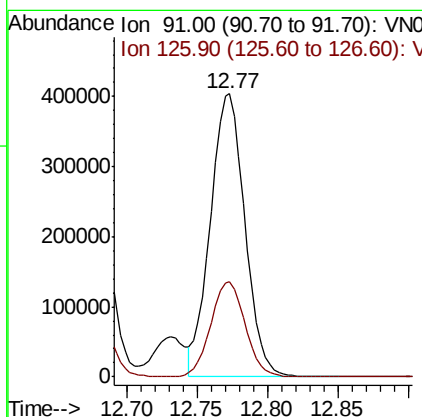
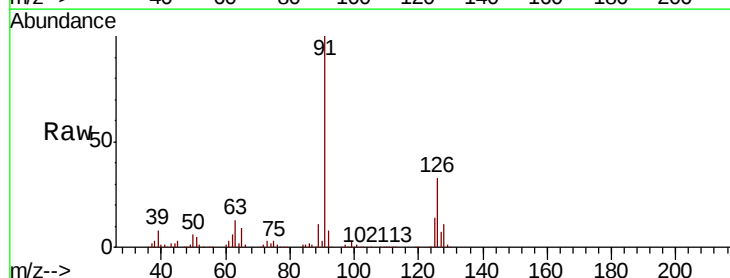
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

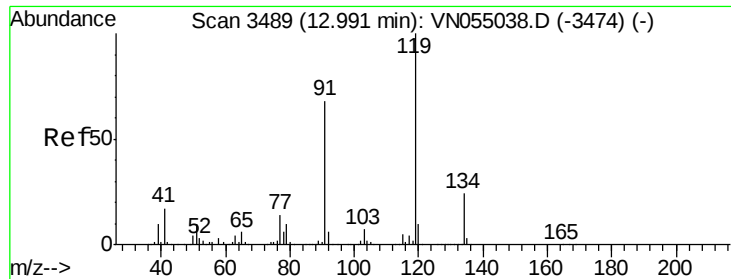
Tot Ion: 75 Resp: 58171  
Ion Ratio Lower Upper  
75 100  
53 109.8 96.3 144.5  
89 45.0 38.6 57.8



#82  
4-Chlorotoluene  
Concen: 48.518 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 91 Resp: 684989  
Ion Ratio Lower Upper  
91 100  
126 33.6 16.4 49.2

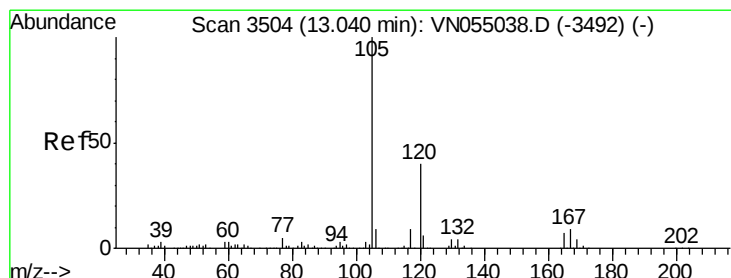
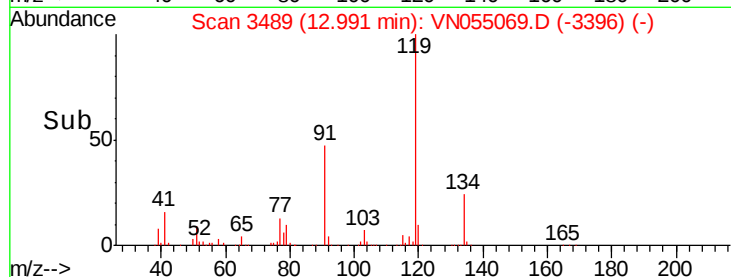
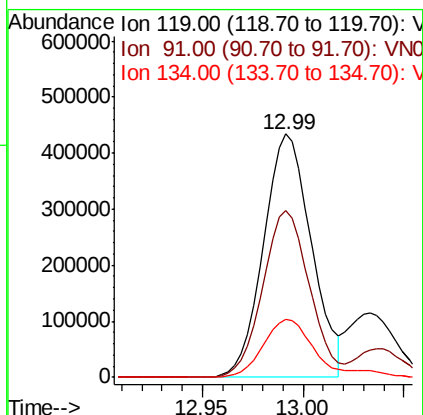
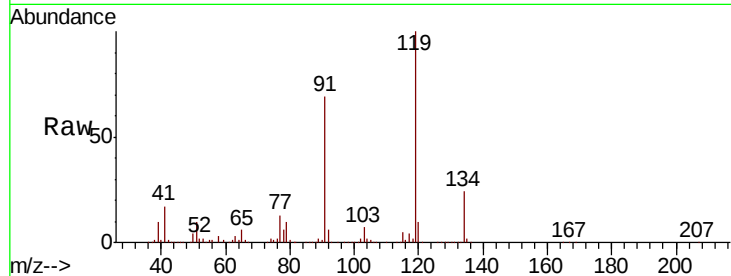




#83  
tert-Butylbenzene  
Concen: 46.843 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

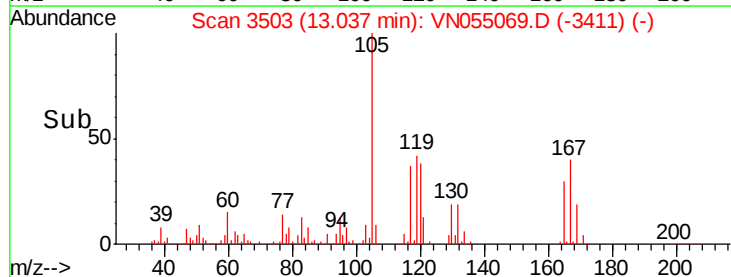
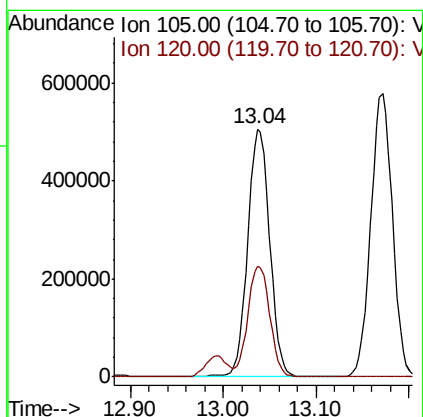
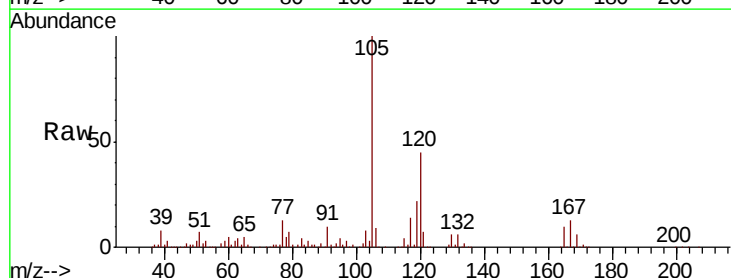
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

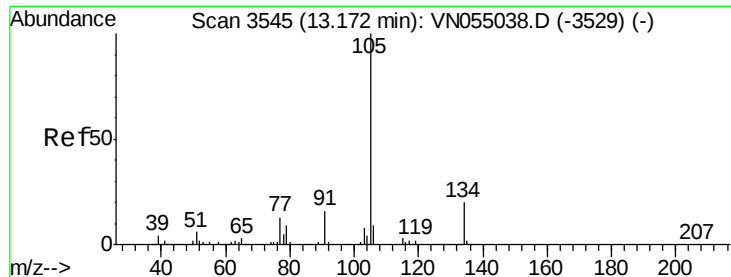
Tot Ion:119 Resp: 716870  
Ion Ratio Lower Upper  
119 100  
91 67.0 33.3 99.8  
134 26.4 12.3 36.9



#84  
1,2,4-Trimethylbenzene  
Concen: 48.544 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. -0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion:105 Resp: 833664  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.4 67.3

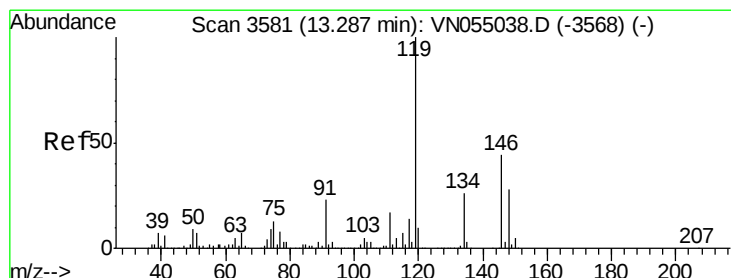
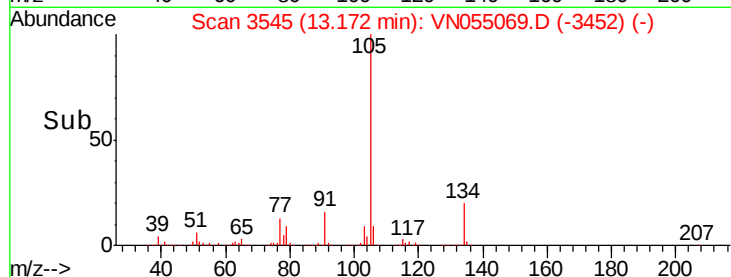
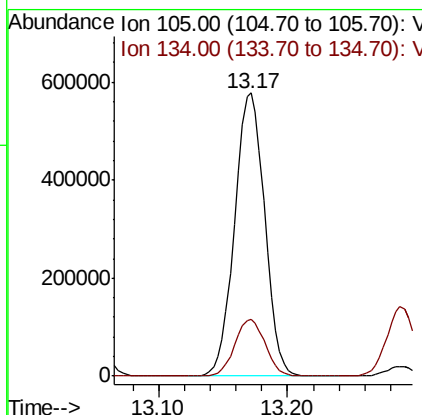
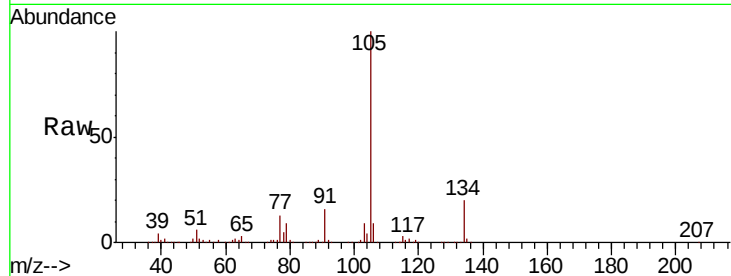




#85  
 sec-Butylbenzene  
 Concen: 47.884 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

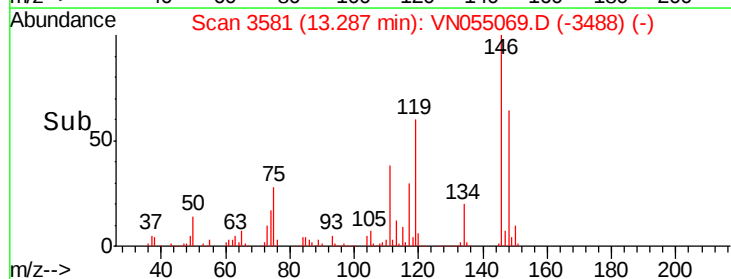
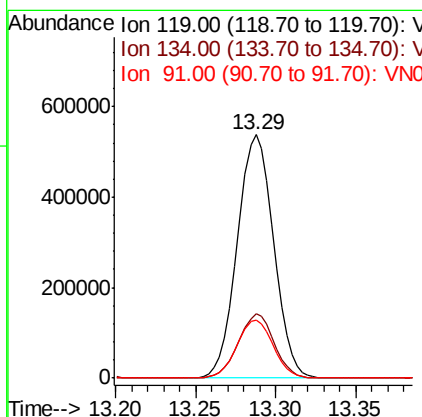
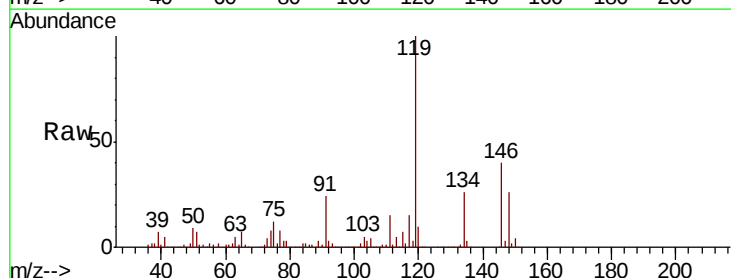
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

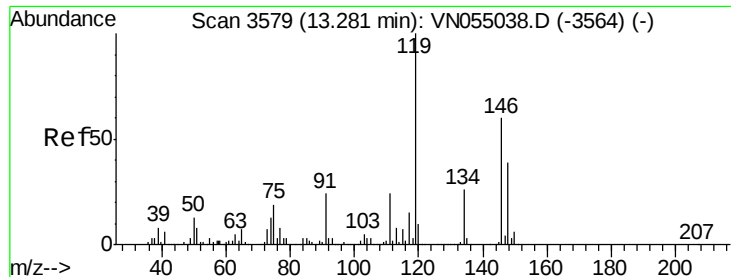
Tot Ion:105 Resp: 933772  
 Ion Ratio Lower Upper  
 105 100  
 134 20.2 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 49.652 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Tgt Ion:119 Resp: 830690  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.2 39.5  
 91 23.8 11.7 35.1

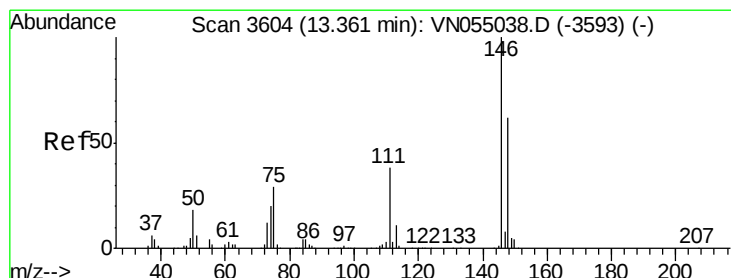
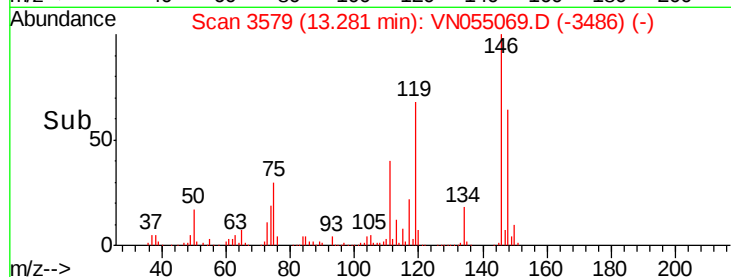
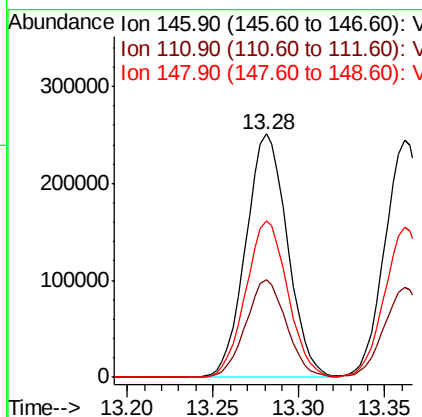
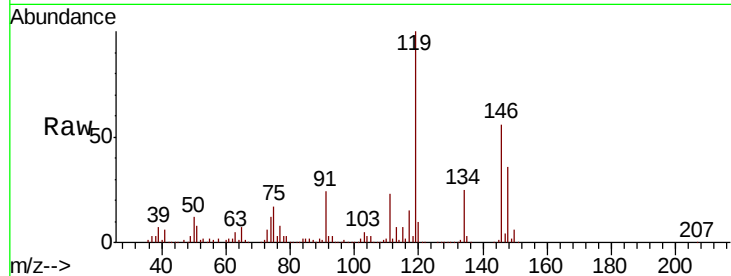




#87  
 1,3-Dichlorobenzene  
 Concen: 49.698 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

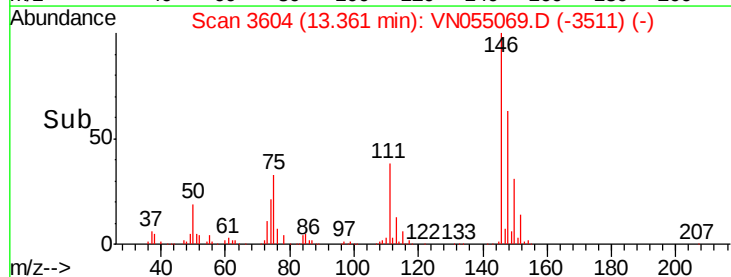
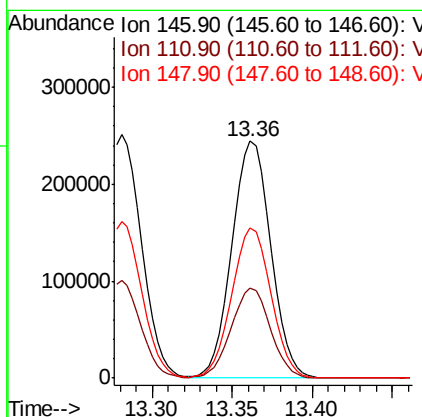
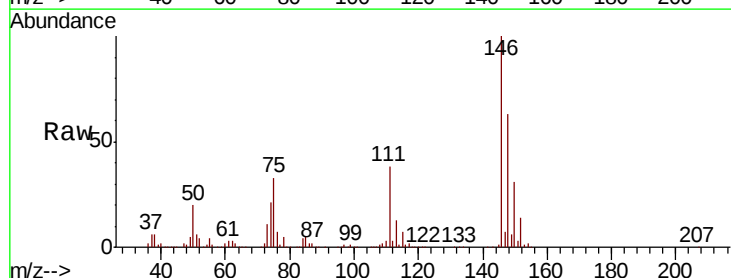
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

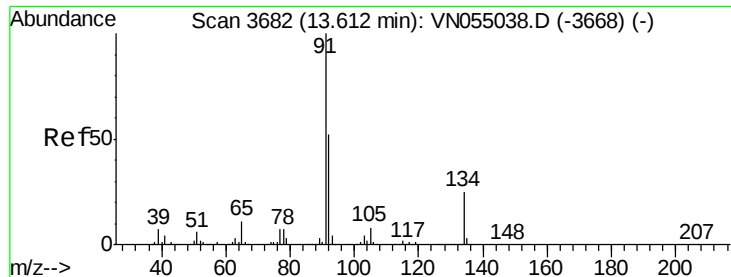
Tot Ion:146 Resp: 422885  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 19.5 58.5  
 148 64.5 31.6 94.7



#88  
 1,4-Dichlorobenzene  
 Concen: 49.914 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Tgt Ion:146 Resp: 405018  
 Ion Ratio Lower Upper  
 146 100  
 111 38.3 18.8 56.4  
 148 64.0 32.4 97.2

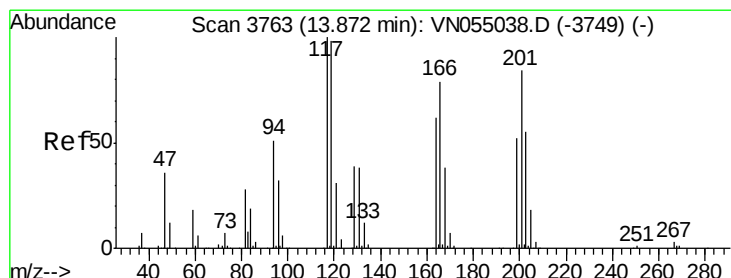
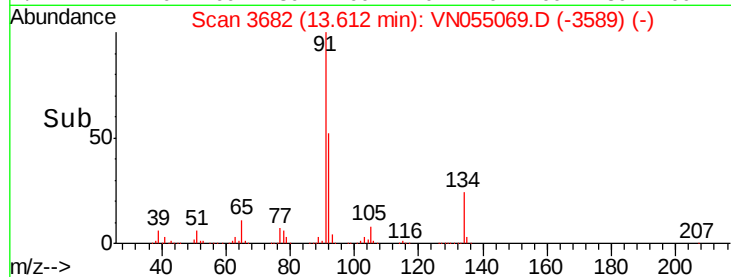
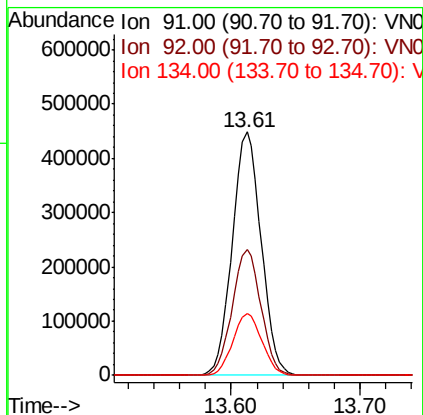
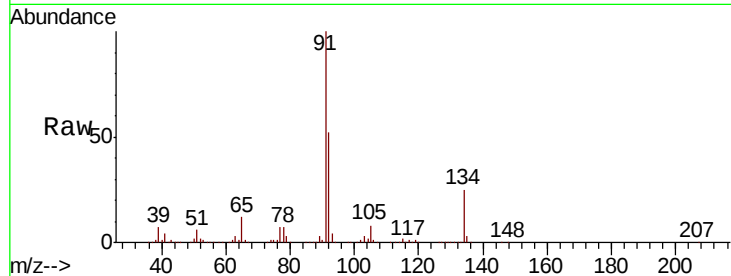




#89  
n-Butylbenzene  
Concen: 56.058 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

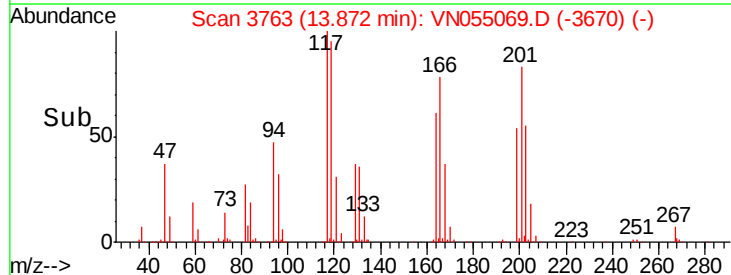
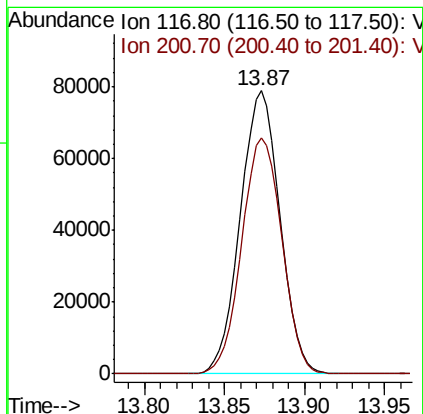
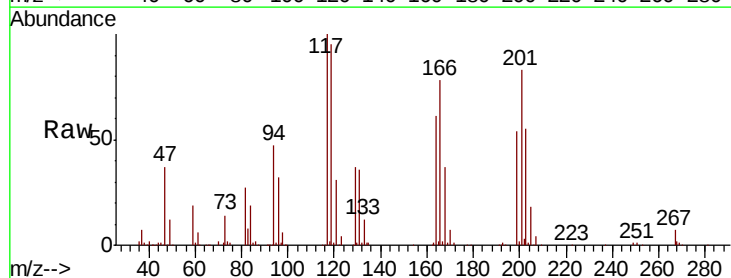
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

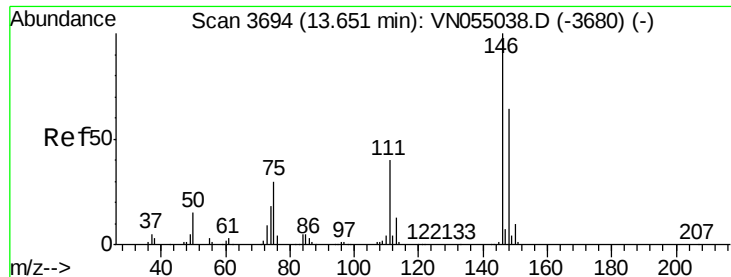
Tot Ion: 91 Resp: 696228  
Ion Ratio Lower Upper  
91 100  
92 51.5 25.9 77.7  
134 25.6 12.8 38.3



#90  
Hexachloroethane  
Concen: 49.074 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055069.D  
Acq: 16 Apr 2019 11:04

Tgt Ion: 117 Resp: 133590  
Ion Ratio Lower Upper  
117 100  
201 84.5 43.4 130.2





#91

1,2-Dichlorobenzene

Concen: 47.769 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

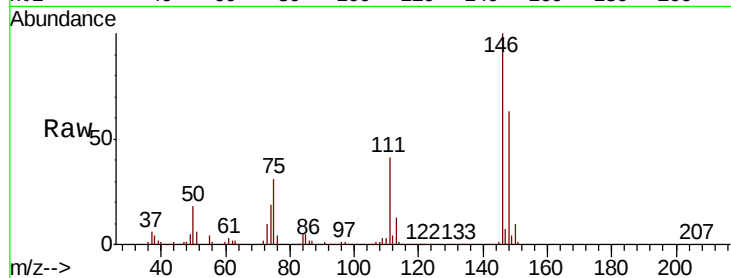
Tot Ion:146 Resp: 408967

Ion Ratio Lower Upper

146 100

111 40.5 20.3 60.9

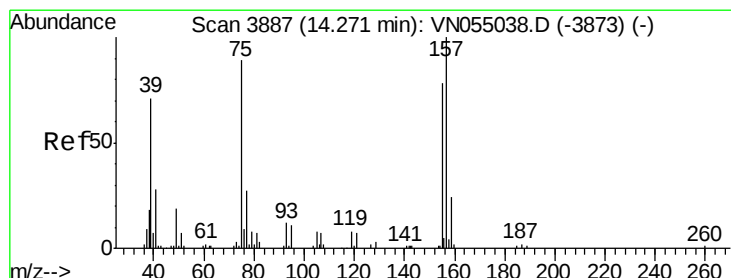
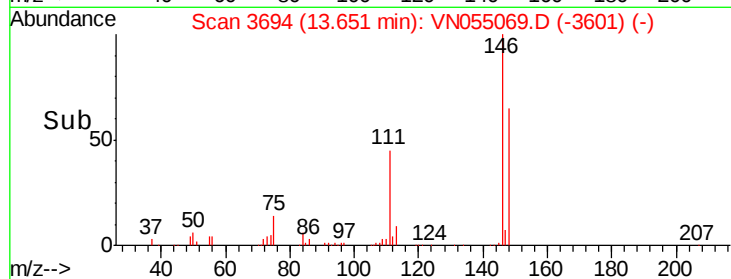
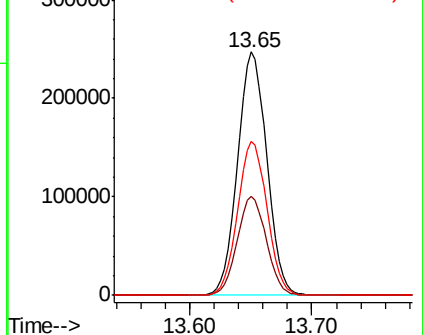
148 63.7 32.2 96.6



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: 45.865 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

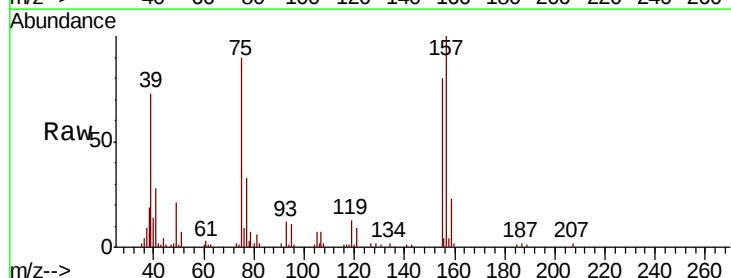
Tgt Ion: 75 Resp: 33936

Ion Ratio Lower Upper

75 100

155 85.7 42.0 126.0

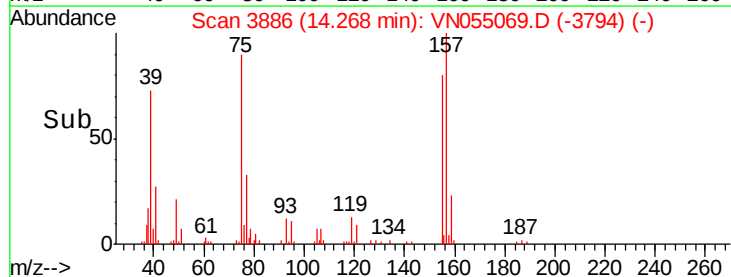
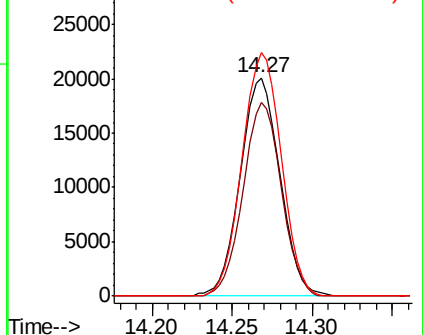
157 110.5 52.1 156.4

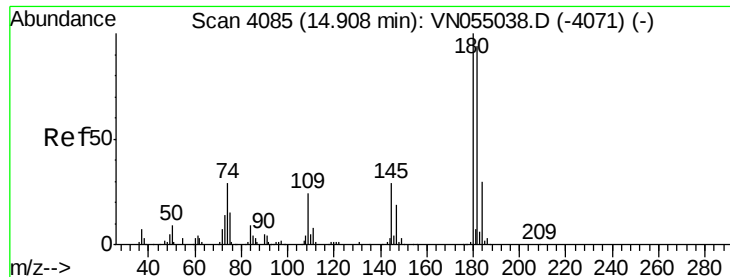


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

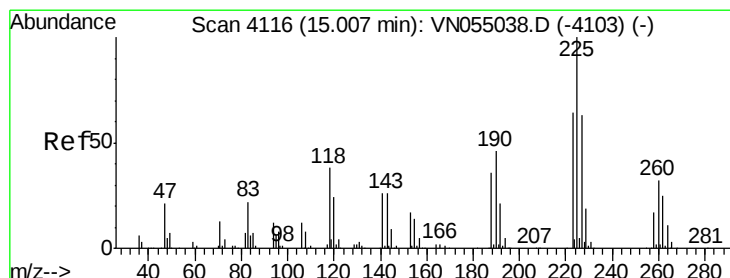
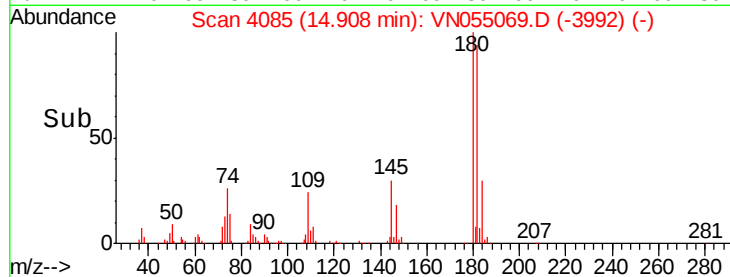
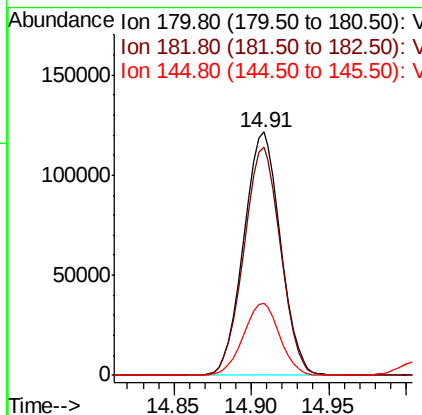
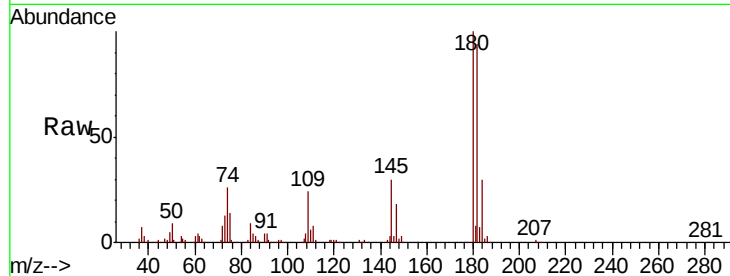




#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.794 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

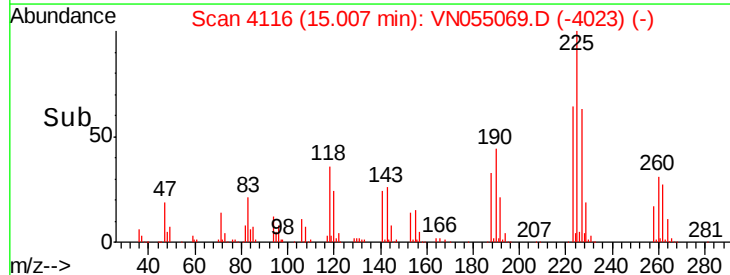
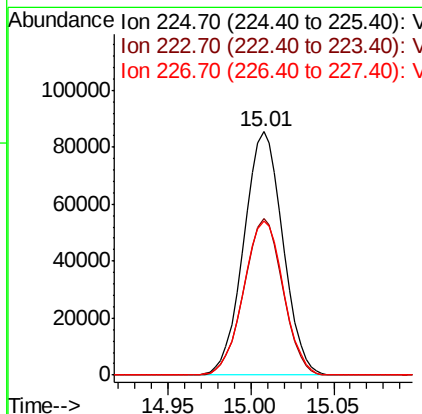
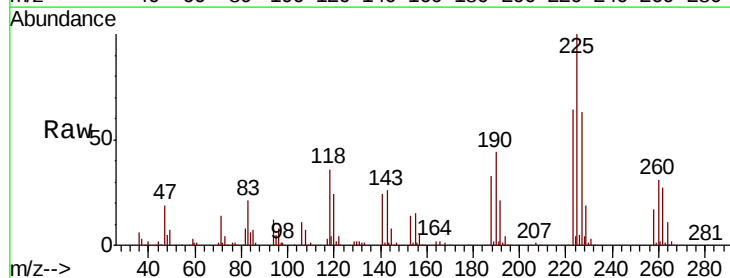
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

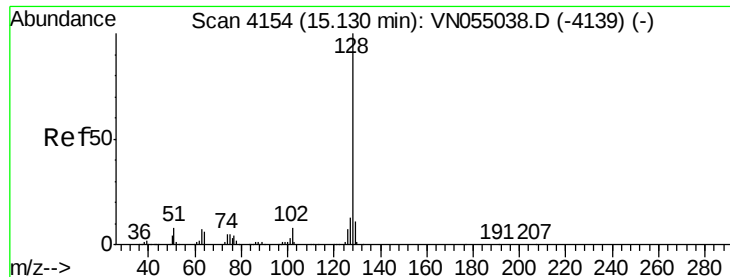
Tot Ion:180 Resp: 201401  
 Ion Ratio Lower Upper  
 180 100  
 182 93.7 47.5 142.6  
 145 29.1 14.2 42.8



#94  
 Hexachlorobutadiene  
 Concen: 53.146 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055069.D  
 Acq: 16 Apr 2019 11:04

Tgt Ion:225 Resp: 140535  
 Ion Ratio Lower Upper  
 225 100  
 223 64.1 31.4 94.0  
 227 64.5 32.6 97.7





#95

Naphthalene

Concen: 45.079 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

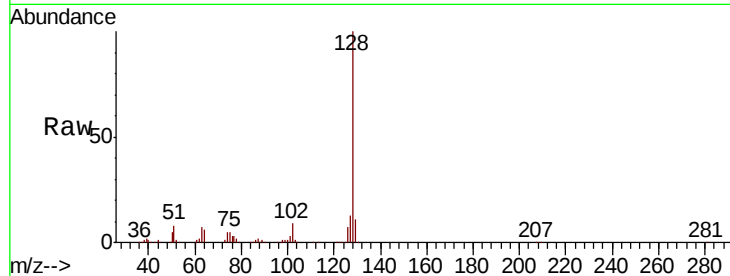
Tot Ion:128 Resp: 406340

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

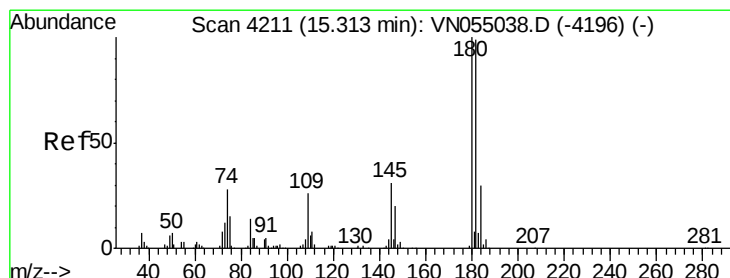
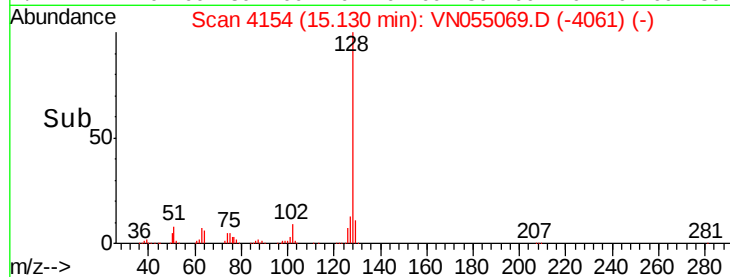
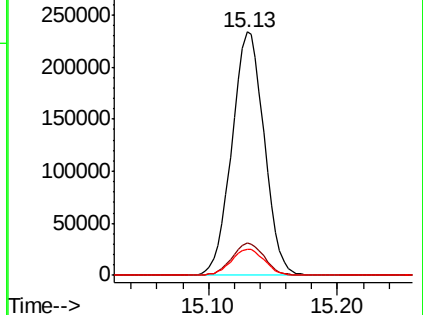
129 11.0 8.8 13.2



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: 60.324 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055069.D

Acq: 16 Apr 2019 11:04

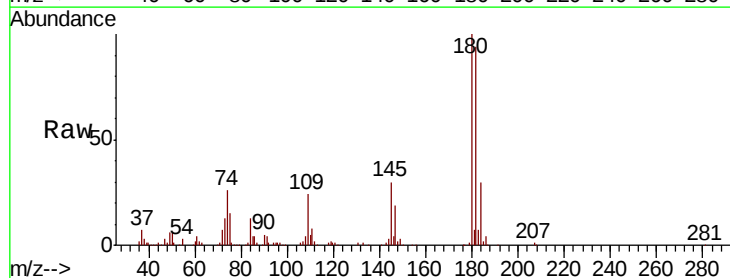
Tgt Ion:180 Resp: 199237

Ion Ratio Lower Upper

180 100

182 93.3 48.0 144.0

145 30.8 15.3 45.9



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

