

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\  
 Data File : VN053057.D  
 Acq On : 20 Dec 2018 15:28  
 Operator : MD\SY  
 Sample : VN1220WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

Quant Time: Dec 21 00:17:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1034006  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1590217  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1396319  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 643502   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 556043   | 52.99 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.98% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 437075   | 60.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 120.34% |      |
| 50) Toluene-d8              | 10.09  | 98  | 2006579  | 51.46 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.92% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 686818   | 50.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.34% |      |

| Target Compounds              |      |     |         |         | Qvalue   |
|-------------------------------|------|-----|---------|---------|----------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 196422  | 18.770  | ug/l 99  |
| 3) Chloromethane              | 2.06 | 50  | 240156  | 18.938  | ug/l 99  |
| 4) Vinyl Chloride             | 2.19 | 62  | 243160  | 18.933  | ug/l 99  |
| 5) Bromomethane               | 2.57 | 94  | 155980  | 17.529  | ug/l 99  |
| 6) Chloroethane               | 2.71 | 64  | 146714  | 19.288  | ug/l 99  |
| 7) Trichlorofluoromethane     | 3.03 | 101 | 313213  | 19.577  | ug/l 98  |
| 8) Diethyl Ether              | 3.41 | 74  | 121984  | 20.210  | ug/l 98  |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 194003  | 19.018  | ug/l 98  |
| 10) Methyl Iodide             | 3.96 | 142 | 276569  | 19.306  | ug/l 98  |
| 11) Tert butyl alcohol        | 4.78 | 59  | 65541   | 102.367 | ug/l 97  |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 192414  | 19.524  | ug/l 96  |
| 13) Acrolein                  | 3.61 | 56  | 56187   | 96.783  | ug/l 98  |
| 14) Allyl chloride            | 4.33 | 41  | 289906  | 18.991  | ug/l 99  |
| 15) Acrylonitrile             | 4.99 | 53  | 356379  | 100.193 | ug/l 99  |
| 16) Acetone                   | 3.82 | 43  | 219902  | 106.884 | ug/l 95  |
| 17) Carbon Disulfide          | 4.06 | 76  | 527891  | 16.424  | ug/l 99  |
| 18) Methyl Acetate            | 4.33 | 43  | 181397  | 20.032  | ug/l 98  |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 541172  | 20.519  | ug/l 99  |
| 20) Methylene Chloride        | 4.55 | 84  | 219479  | 19.557  | ug/l 100 |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 202267  | 19.102  | ug/l 99  |
| 22) Diisopropyl ether         | 5.95 | 45  | 667607  | 20.488  | ug/l 99  |
| 23) Vinyl Acetate             | 5.90 | 43  | 1959798 | 104.593 | ug/l 98  |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 383334  | 19.797  | ug/l 99  |
| 25) 2-Butanone                | 6.84 | 43  | 371778  | 107.674 | ug/l 98  |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 260705  | 17.638  | ug/l 100 |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 235015  | 19.605  | ug/l 99  |
| 28) Bromochloromethane        | 7.20 | 49  | 182878  | 21.796  | ug/l 96  |
| 29) Tetrahydrofuran           | 7.21 | 42  | 267656  | 103.791 | ug/l 98  |
| 30) Chloroform                | 7.37 | 83  | 372730  | 19.596  | ug/l 100 |
| 31) Cyclohexane               | 7.65 | 56  | 365321  | 19.475  | ug/l 95  |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 311972  | 19.253  | ug/l 99  |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 284958  | 18.669  | ug/l 99  |
| 37) Ethyl Acetate             | 6.93 | 43  | 179690  | 21.089  | ug/l 99  |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 260543  | 18.623  | ug/l 99  |

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 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 335089   | 18.072  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 889298   | 19.588  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 104704   | 21.267  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 265205   | 19.774  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 328343   | 19.271  | ug/l   | 99       |
| 44) Trichloroethene            | 8.84  | 130  | 243032   | 18.507  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 235084   | 19.879  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 133958   | 19.446  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 276410   | 18.876  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 164116   | 19.849  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 41516    | 396.940 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 864051   | 104.712 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 550499   | 19.563  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 279485   | 18.150  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 333462   | 18.867  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 197116   | 20.078  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 258280   | 19.877  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 335056   | 19.902  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 744641   | 104.383 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 578276   | 103.579 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 207346   | 18.451  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 193493   | 19.406  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 280796   | 18.565  | ug/l   | 100      |
| 65) Chlorobenzene              | 11.43 | 112  | 598042   | 19.321  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 208764   | 19.395  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1037078  | 19.483  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 785394   | 38.812  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 380996   | 19.621  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 626744   | 19.794  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 138330   | 17.790  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1011723  | 20.094  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 289077   | 20.680  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 214010   | 21.666  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 286693   | 26.466  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 258626   | 19.761  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1128432  | 19.679  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 676431   | 19.031  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 810785   | 19.757  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 59322    | 17.650  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 684340   | 19.668  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 712918   | 19.642  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 839814   | 20.357  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 926345   | 18.870  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 800877   | 18.880  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 442894   | 19.120  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 433132   | 18.464  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 638293   | 17.490  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 112928   | 17.348  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 424078   | 19.453  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 32262    | 18.890  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration

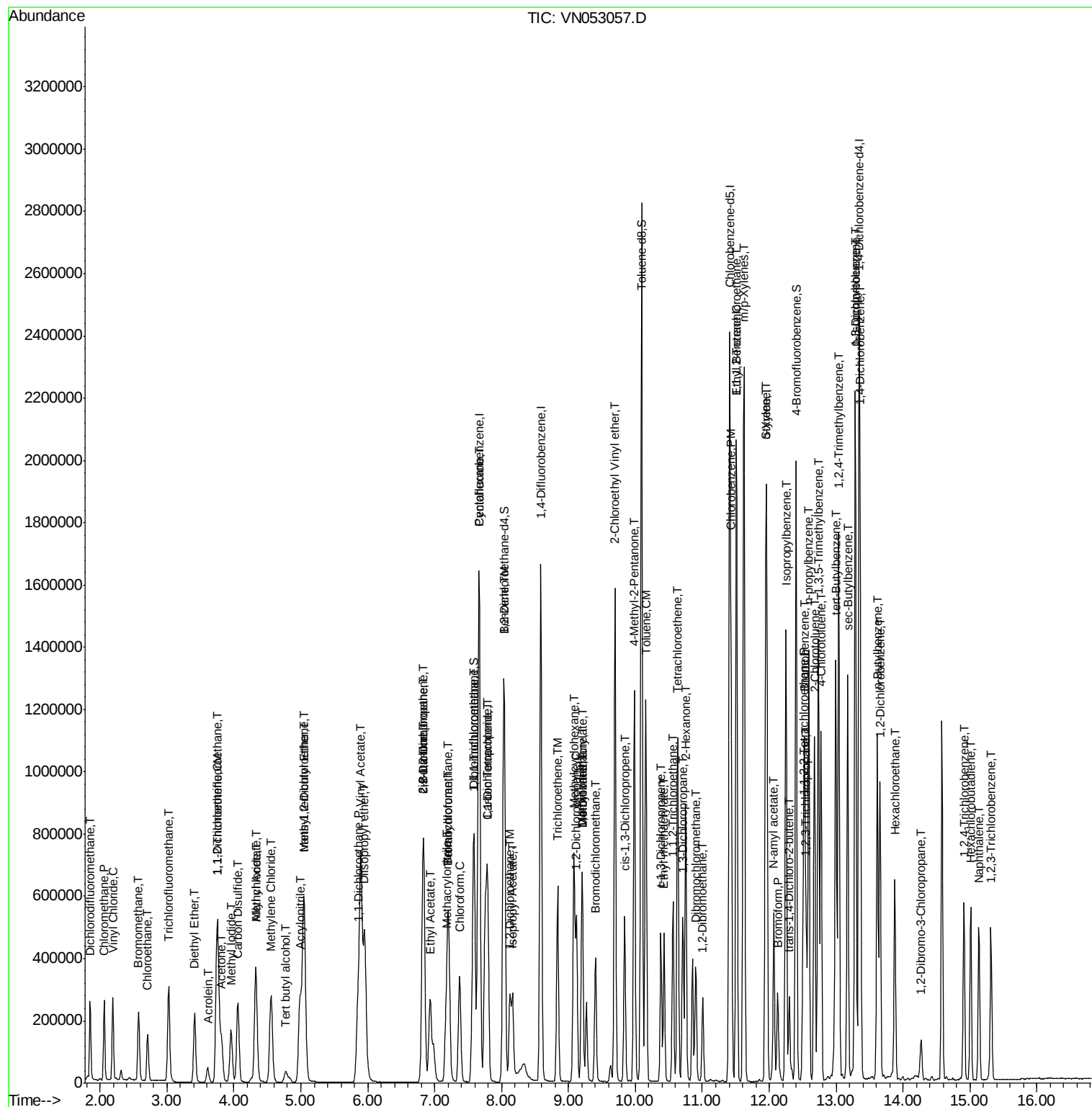
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 202142   | 17.889 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 121665   | 18.537 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 438151   | 18.067 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 180883   | 17.722 | ug/l  | 100      |

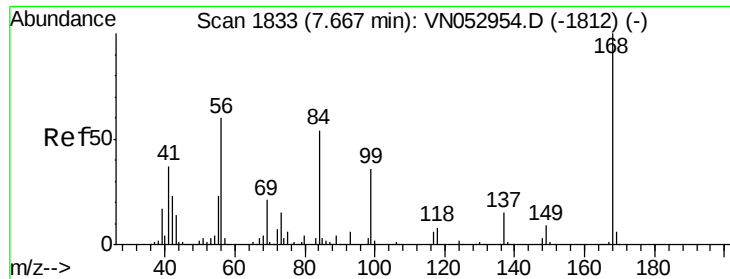
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 Acq On : 20 Dec 2018 15:28  
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 Sample : VN1220WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 28

Instrument :  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

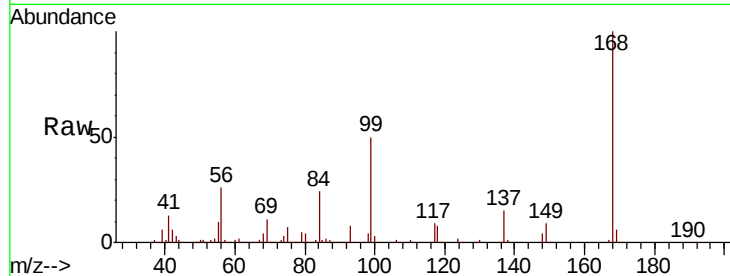
VN1220WBSD01

Tot Ion:168 Resp: 1034006

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

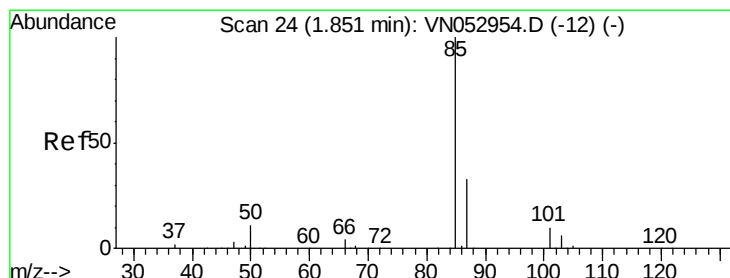
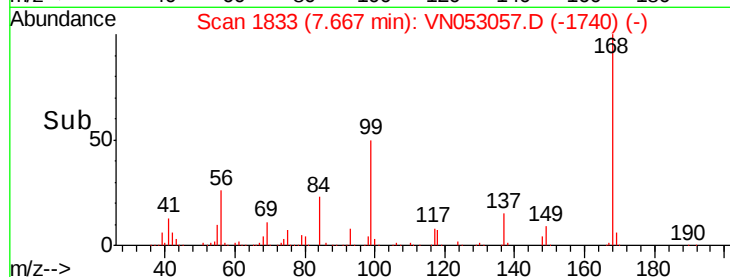
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.770 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053057.D

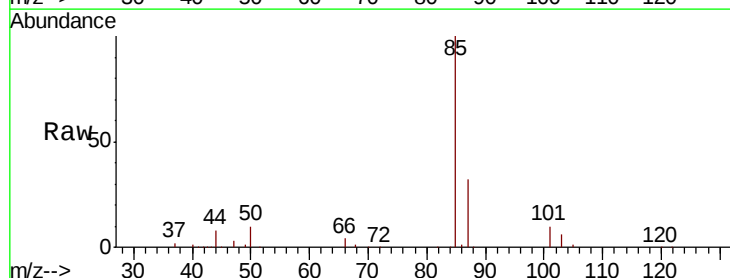
Acq: 20 Dec 2018 15:28

Tgt Ion: 85 Resp: 196422

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

150000

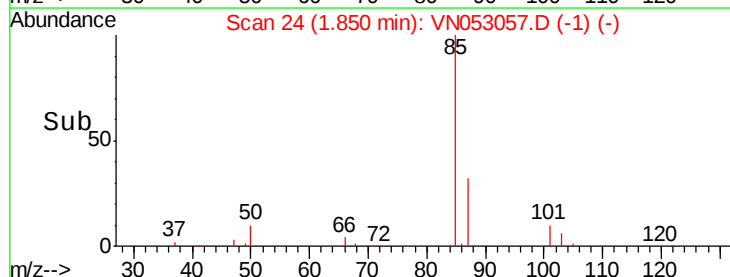
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50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.938 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

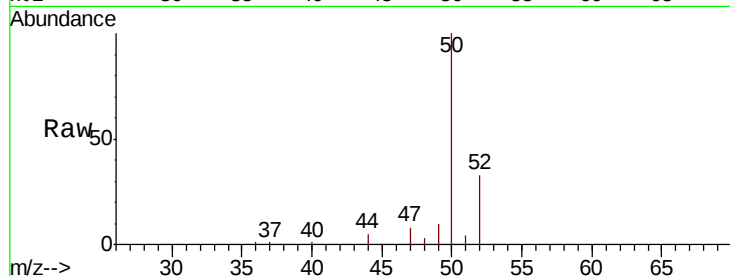
VN1220WBSD01

Tot Ion: 50 Resp: 240156

Ion Ratio Lower Upper

50 100

52 33.4 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

150000

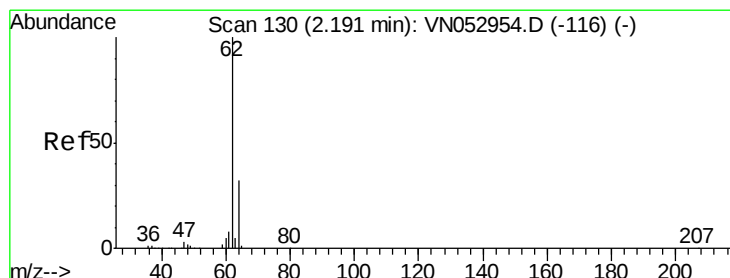
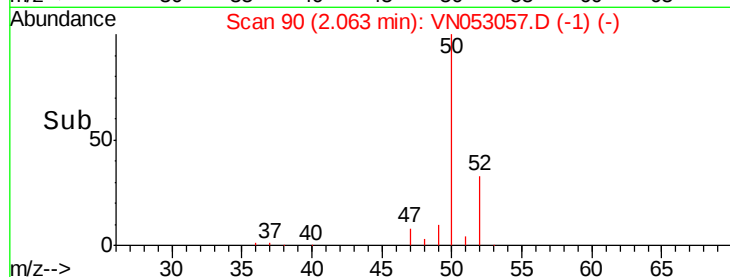
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50000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 18.933 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053057.D

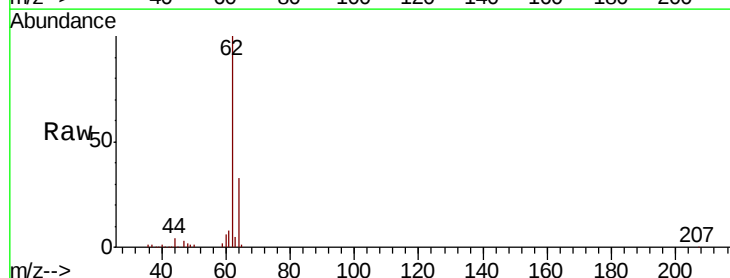
Acq: 20 Dec 2018 15:28

Tgt Ion: 62 Resp: 243160

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

150000

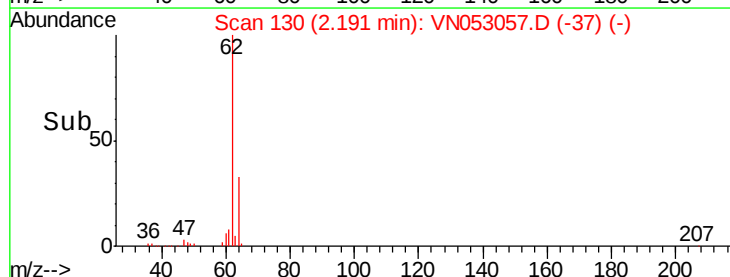
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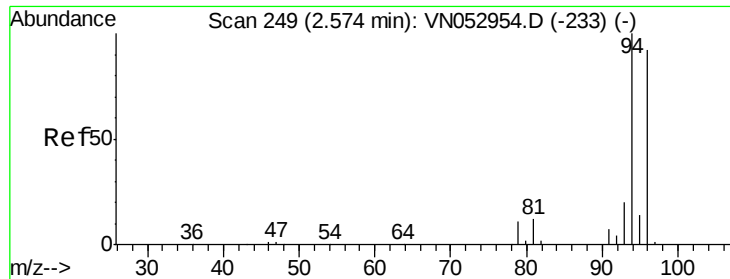
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Time-->

2.10 2.15 2.20 2.25 2.30

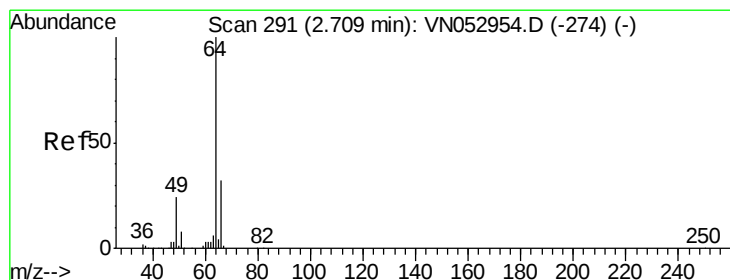
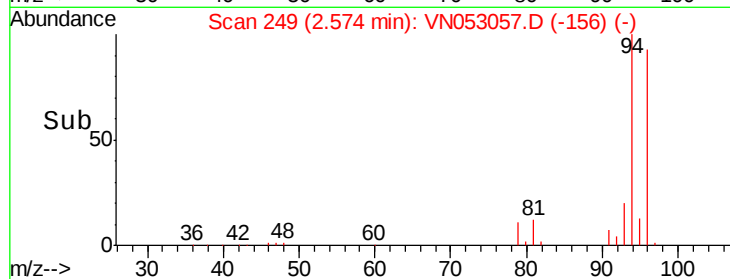
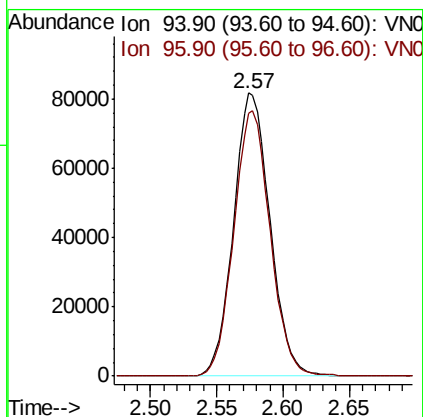
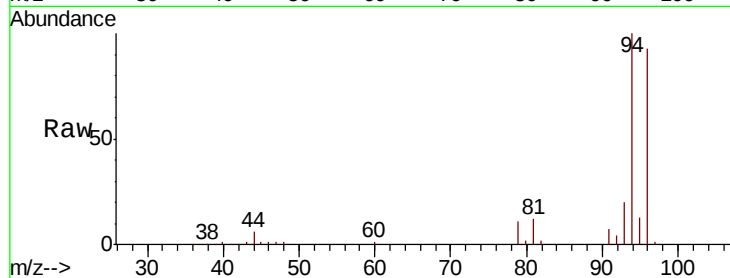




#5  
Bromomethane  
Concen: 17.529 ug/l  
RT: 2.57 min Scan# 249  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

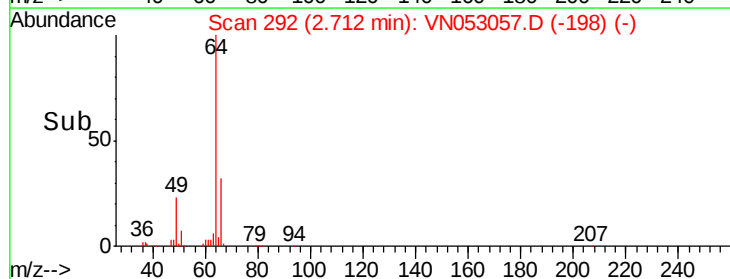
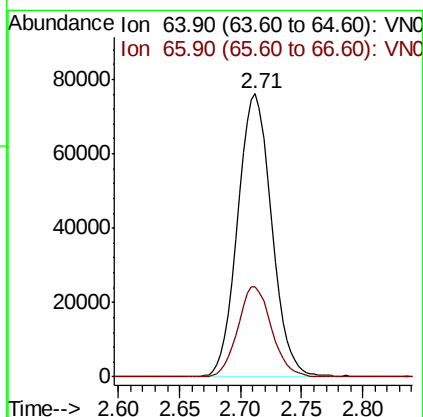
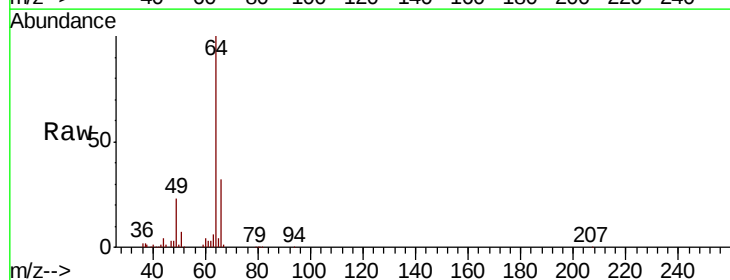
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

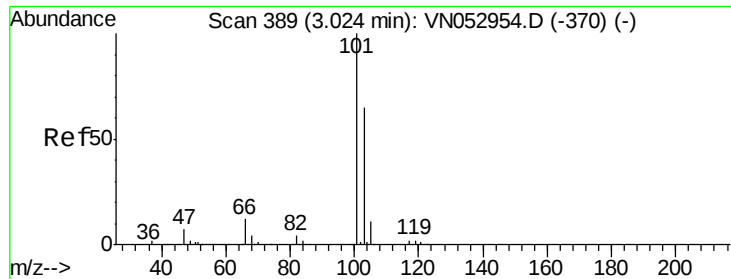
Tot Ion: 94 Resp: 155980  
Ion Ratio Lower Upper  
94 100  
96 92.9 75.0 112.4



#6  
Chloroethane  
Concen: 19.288 ug/l  
RT: 2.71 min Scan# 292  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 64 Resp: 146714  
Ion Ratio Lower Upper  
64 100  
66 32.0 26.2 39.2



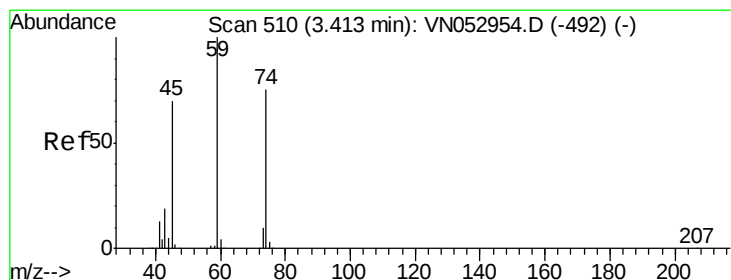
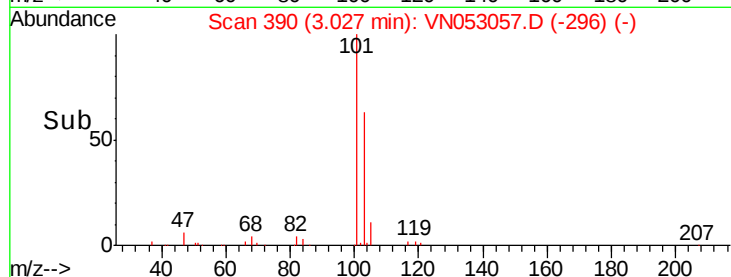
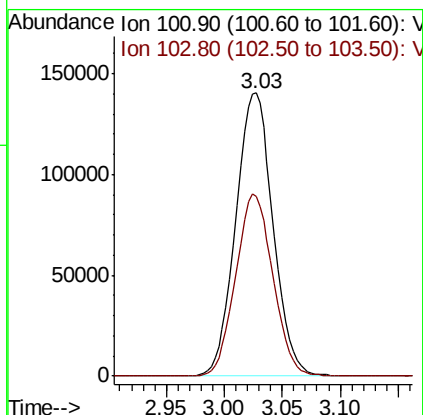
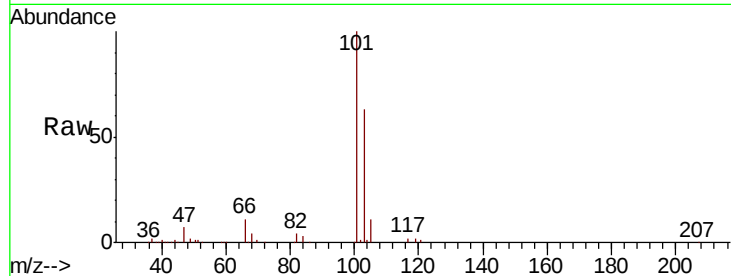


#7

Trichlorofluoromethane  
 Concen: 19.577 ug/l  
 RT: 3.03 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

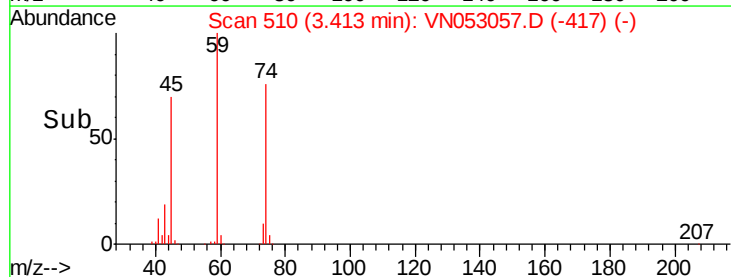
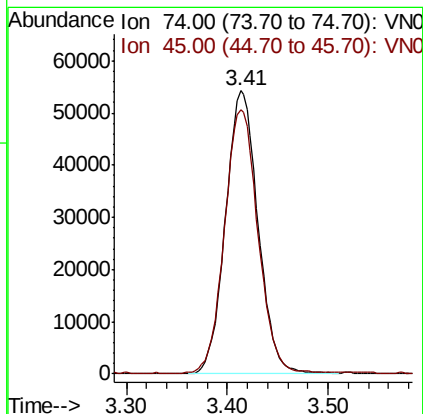
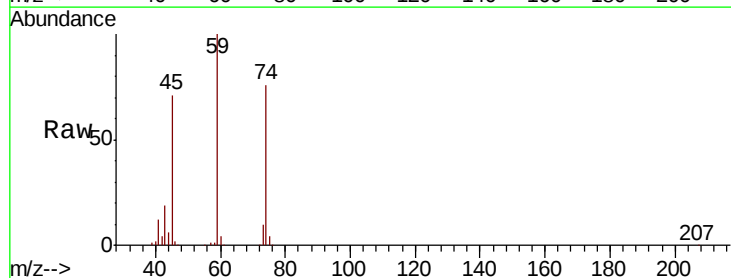
Tot Ion:101 Resp: 313213  
 Ion Ratio Lower Upper  
 101 100  
 103 63.4 51.8 77.6

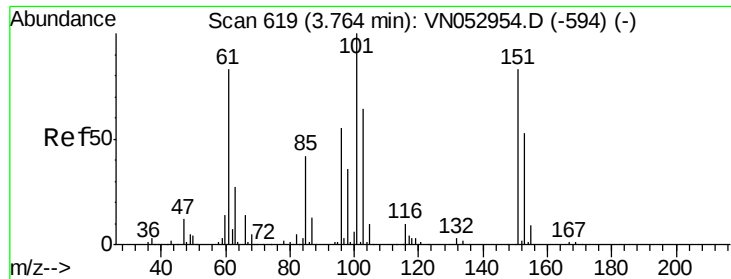


#8

Diethyl Ether  
 Concen: 20.210 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Tgt Ion: 74 Resp: 121984  
 Ion Ratio Lower Upper  
 74 100  
 45 96.5 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.018 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

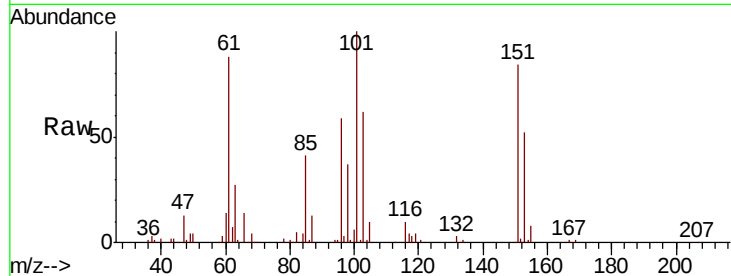
Tot Ion:101 Resp: 194003

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

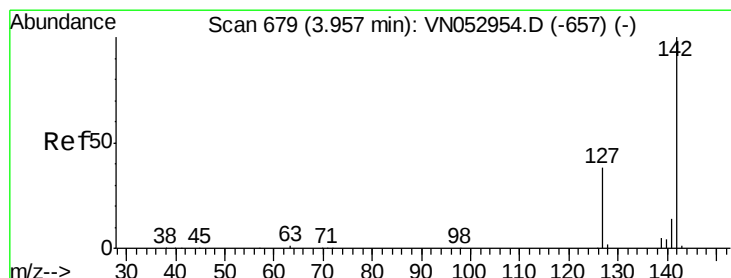
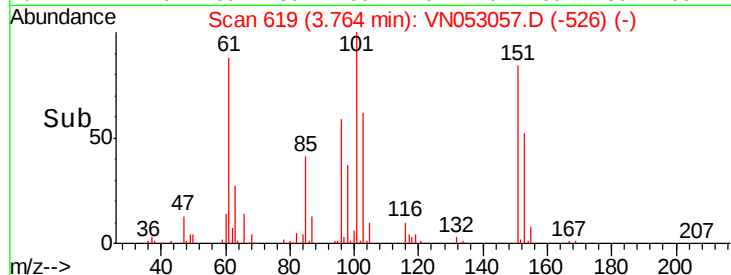
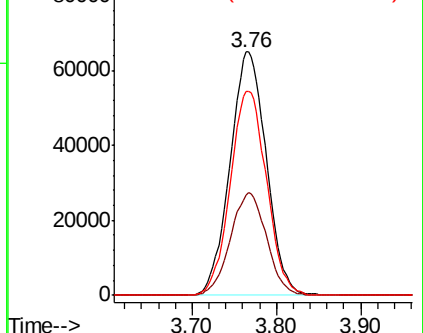
151 83.9 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.306 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

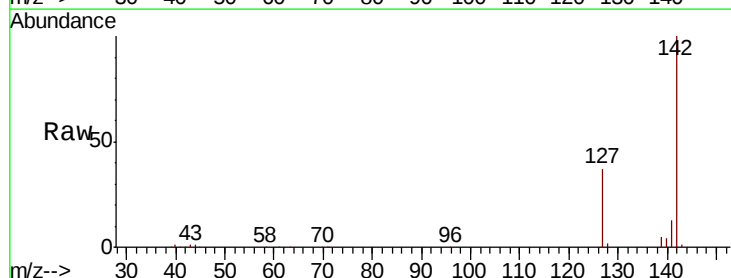
Tgt Ion:142 Resp: 276569

Ion Ratio Lower Upper

142 100

127 37.3 31.0 46.6

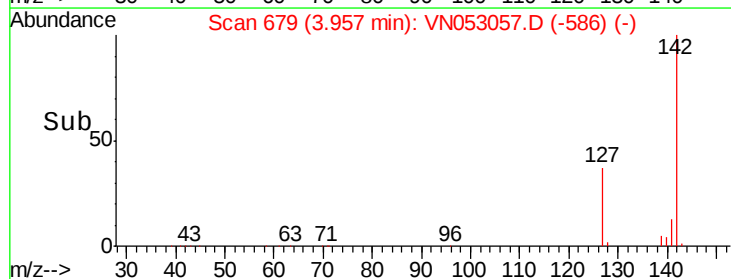
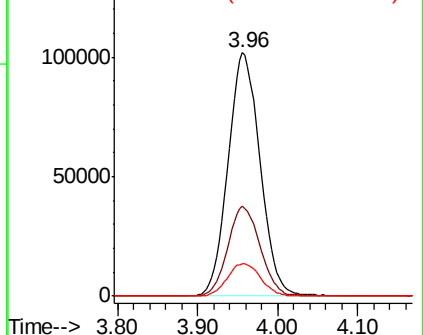
141 13.9 11.2 16.8

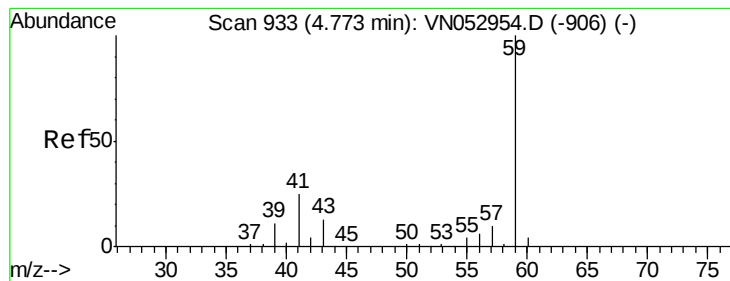


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



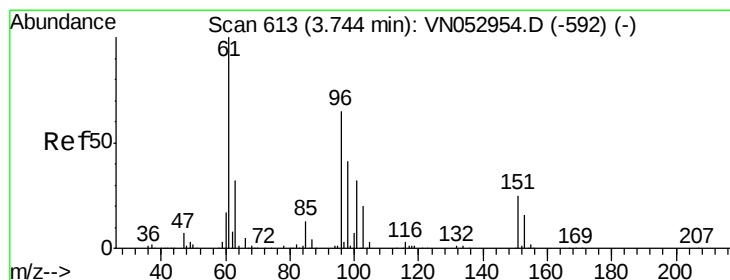
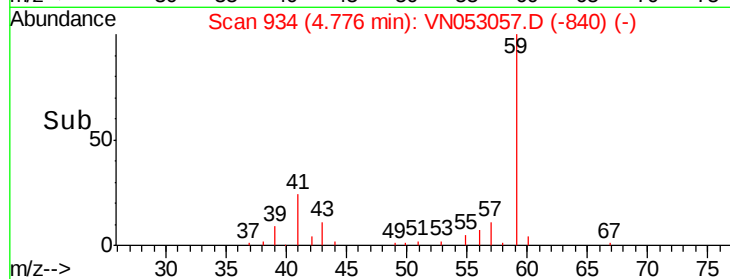
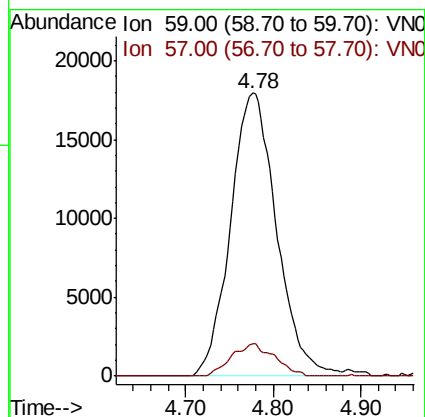
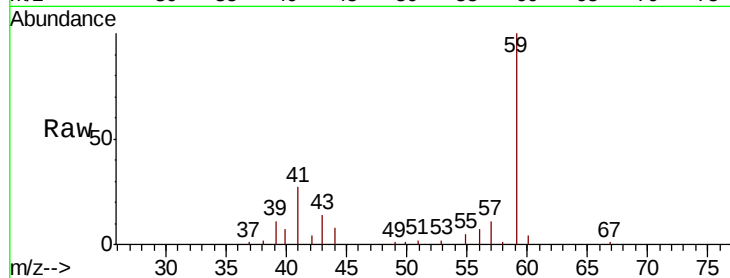


#11

Tert butyl alcohol  
 Concen: 102.367 ug/l  
 RT: 4.78 min Scan# 934  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

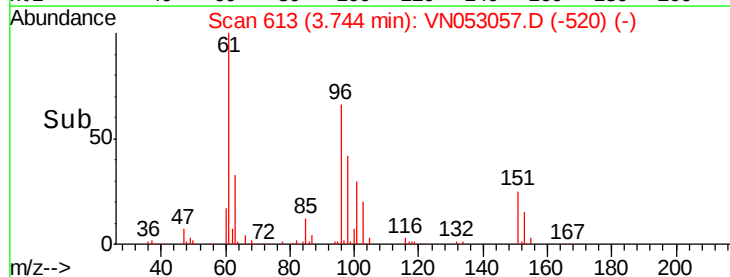
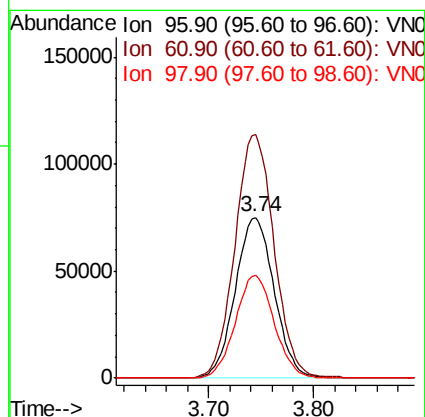
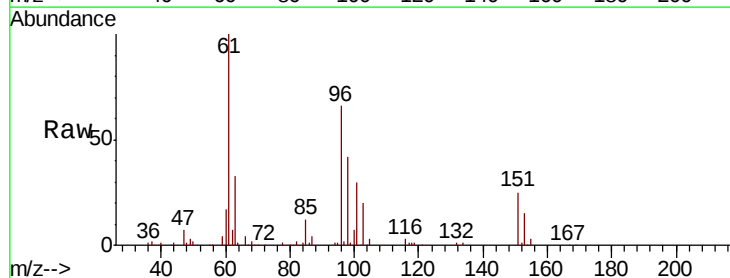
Tot Ion: 59 Resp: 65541  
 Ion Ratio Lower Upper  
 59 100  
 57 10.7 7.7 11.5

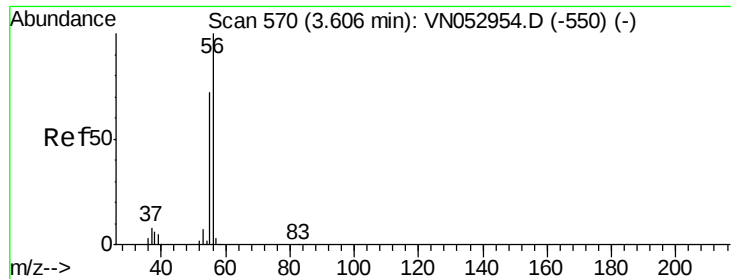


#12

1,1-Dichloroethene  
 Concen: 19.524 ug/l  
 RT: 3.74 min Scan# 613  
 Delta R.T. -0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Tgt Ion: 96 Resp: 192414  
 Ion Ratio Lower Upper  
 96 100  
 61 150.9 125.6 188.4  
 98 63.7 50.6 75.8





#13

Acrolein

Concen: 96.783 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

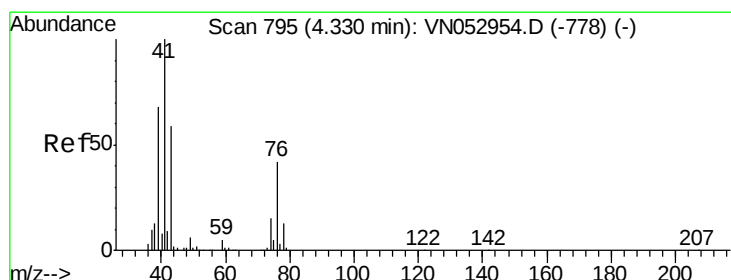
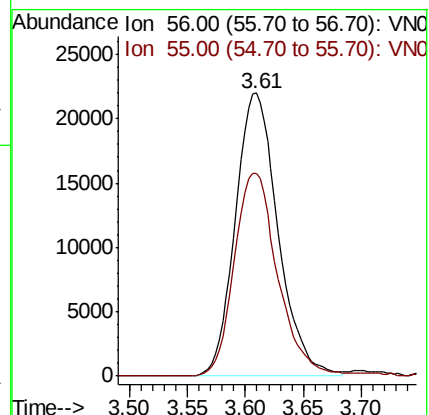
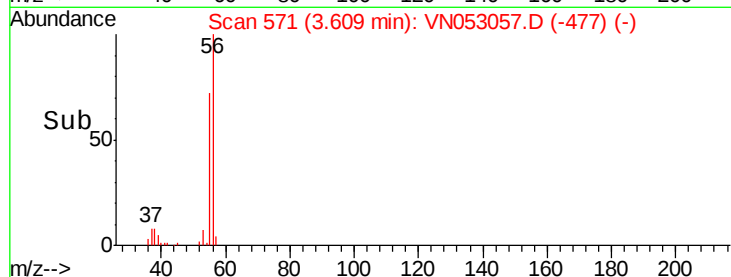
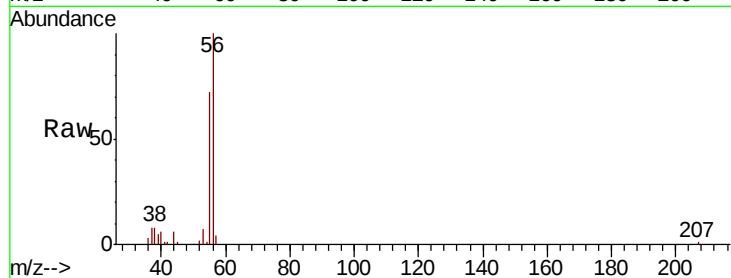
VN1220WBSD01

Tot Ion: 56 Resp: 56187

Ion Ratio Lower Upper

56 100

55 72.8 56.6 85.0



#14

Allyl chloride

Concen: 18.991 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

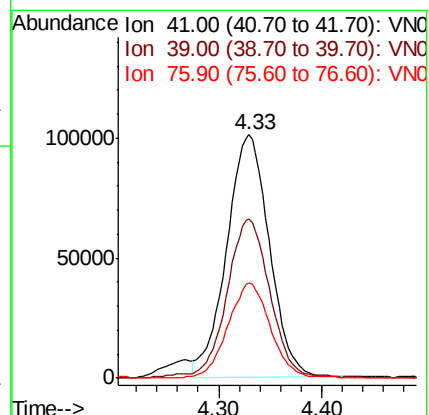
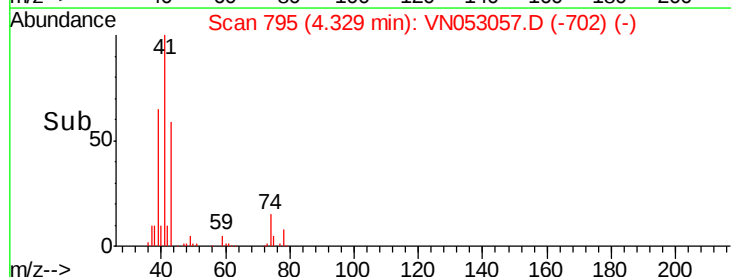
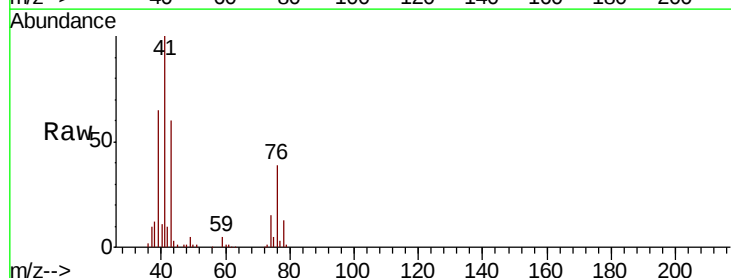
Tgt Ion: 41 Resp: 289906

Ion Ratio Lower Upper

41 100

39 66.8 54.1 81.1

76 37.9 30.3 45.5





#15

Acrylonitrile

Concen: 100.193 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

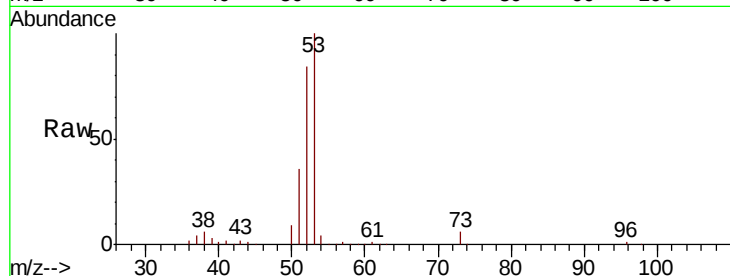
Tot Ion: 53 Resp: 356379

Ion Ratio Lower Upper

53 100

52 82.4 65.1 97.7

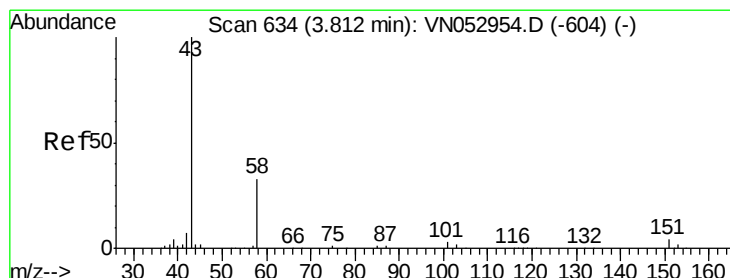
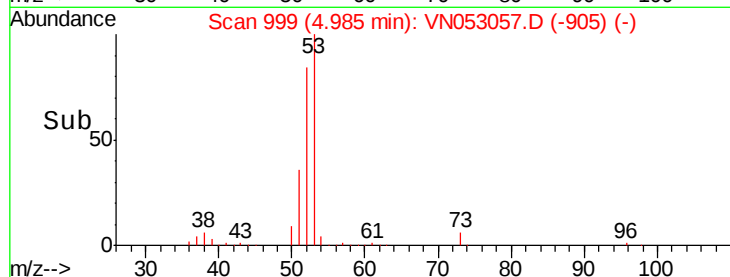
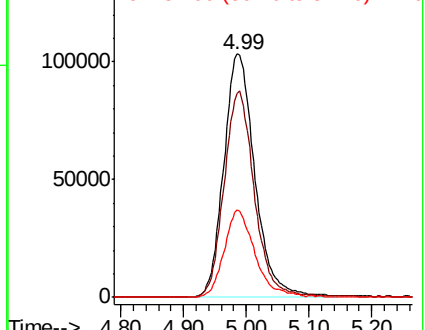
51 35.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 106.884 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053057.D

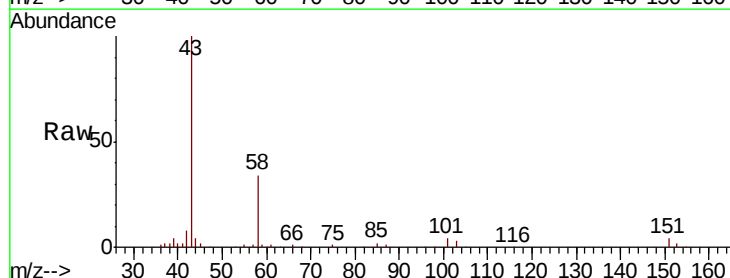
Acq: 20 Dec 2018 15:28

Tgt Ion: 43 Resp: 219902

Ion Ratio Lower Upper

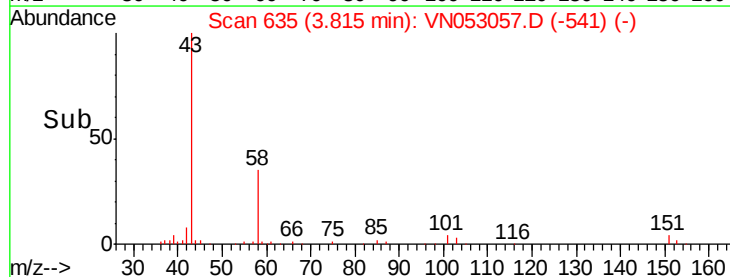
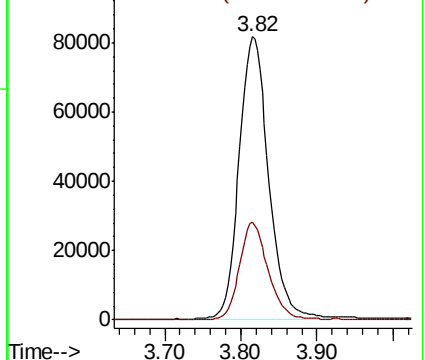
43 100

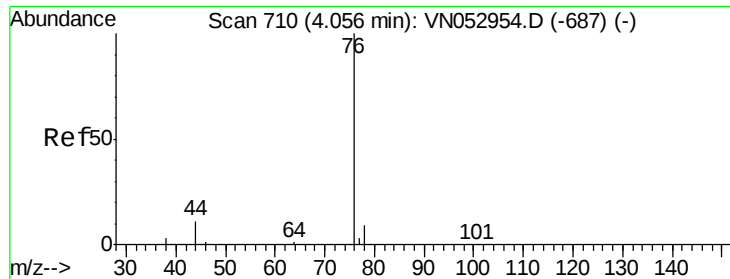
58 34.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

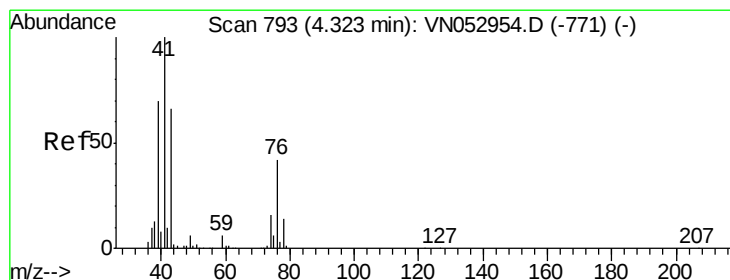
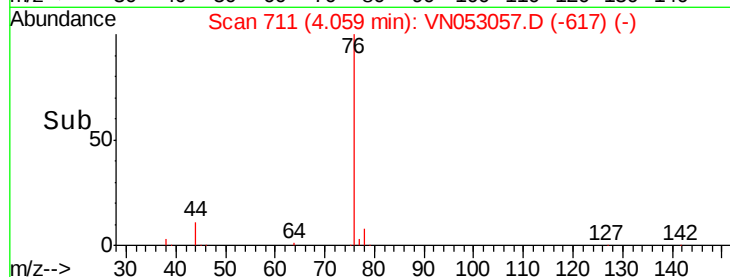
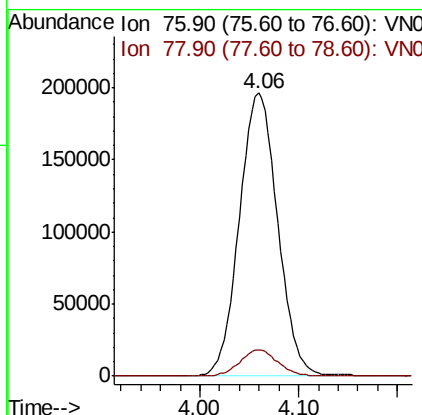
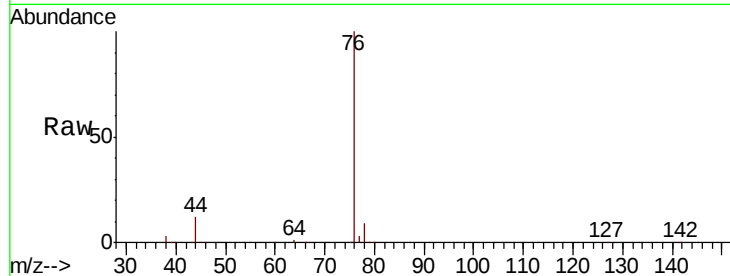




#17  
Carbon Disulfide  
Concen: 16.424 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

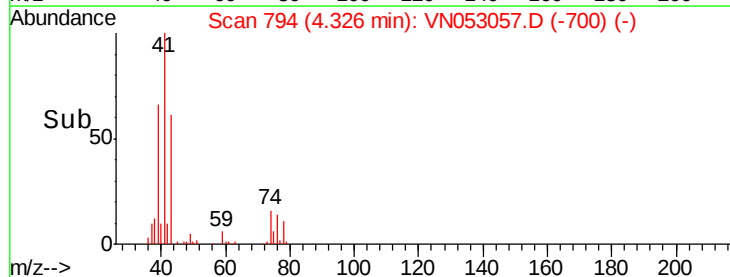
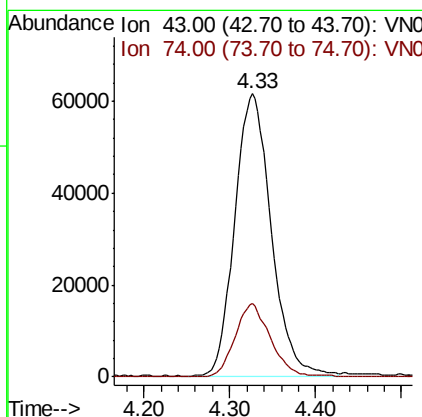
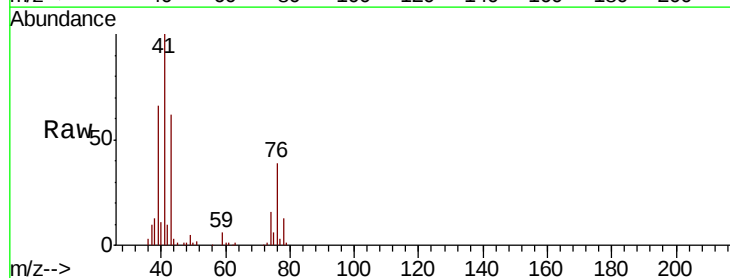
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

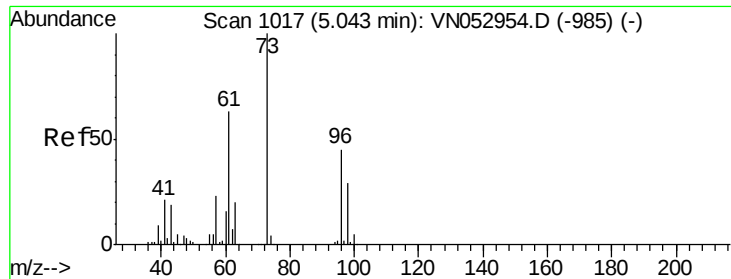
Tot Ion: 76 Resp: 527891  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.1 10.7



#18  
Methyl Acetate  
Concen: 20.032 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 43 Resp: 181397  
Ion Ratio Lower Upper  
43 100  
74 24.9 19.2 28.8

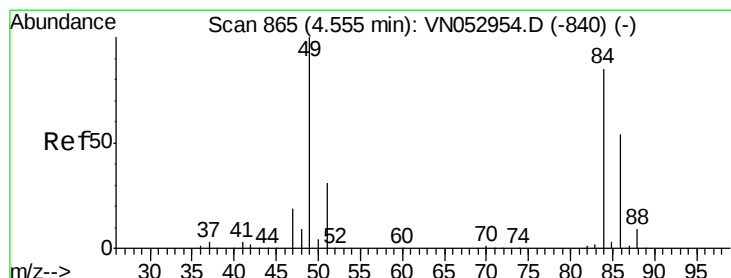
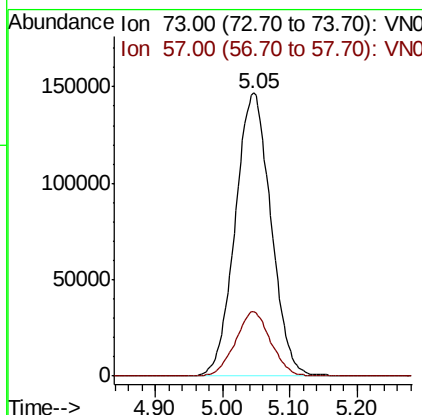
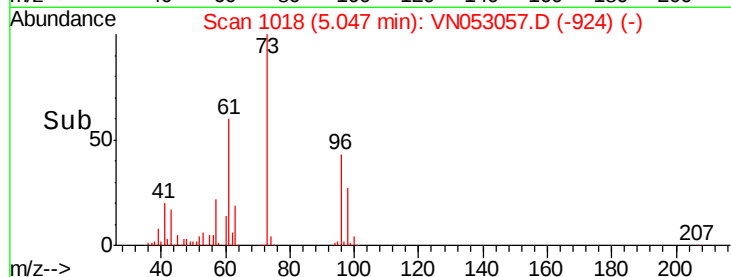
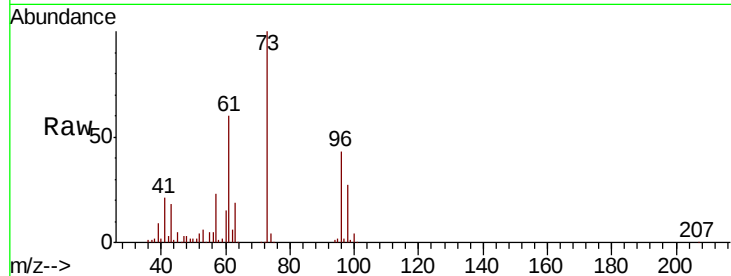




#19  
Methyl tert-butyl Ether  
Concen: 20.519 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

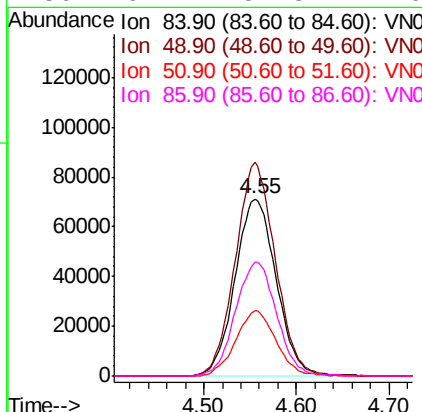
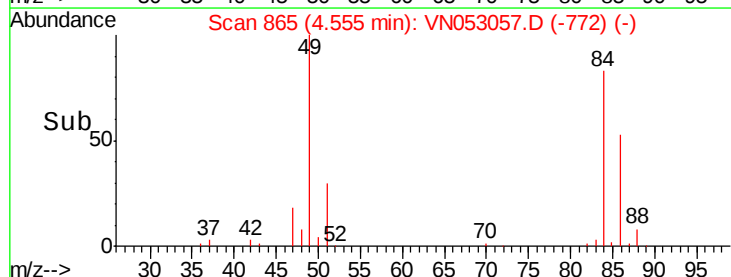
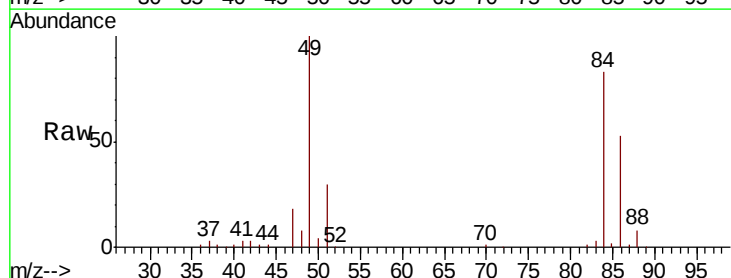
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

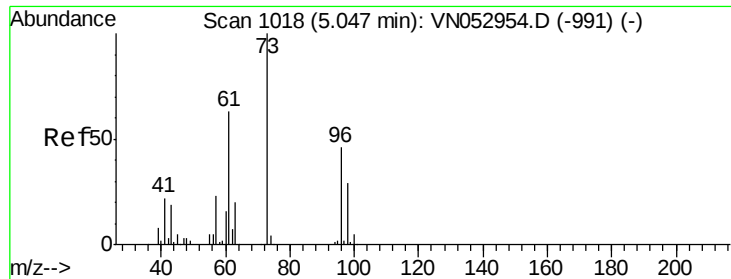
Tot Ion: 73 Resp: 541172  
Ion Ratio Lower Upper  
73 100  
57 22.7 18.4 27.6



#20  
Methylene Chloride  
Concen: 19.557 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 84 Resp: 219479  
Ion Ratio Lower Upper  
84 100  
49 120.9 96.8 145.2  
51 36.7 29.9 44.9  
86 64.4 51.8 77.6

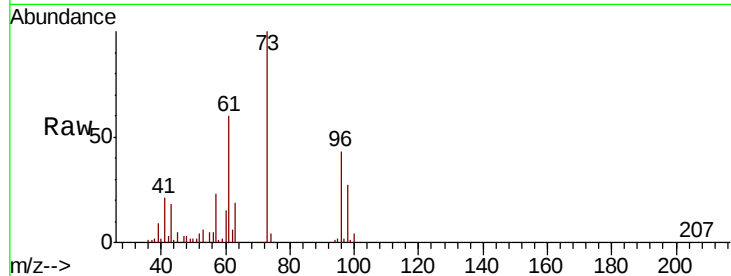




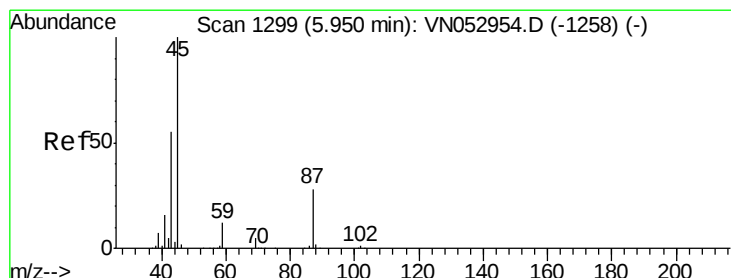
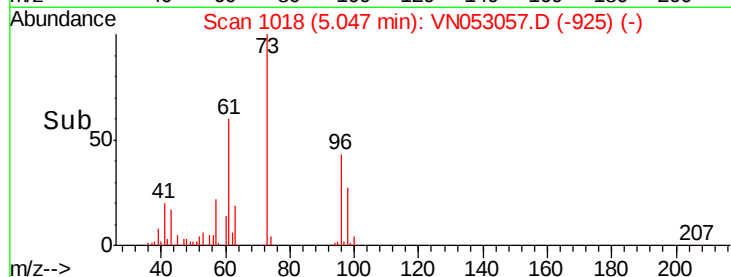
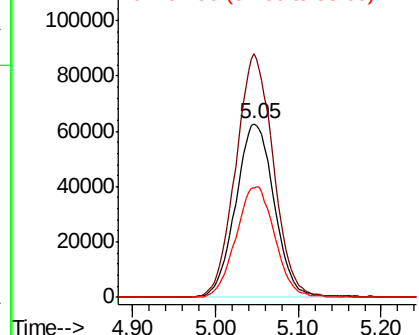
#21  
trans-1,2-Dichloroethene  
Concen: 19.102 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

Tot Ion: 96 Resp: 202267  
Ion Ratio Lower Upper  
96 100  
61 139.9 110.8 166.2  
98 62.9 51.4 77.2

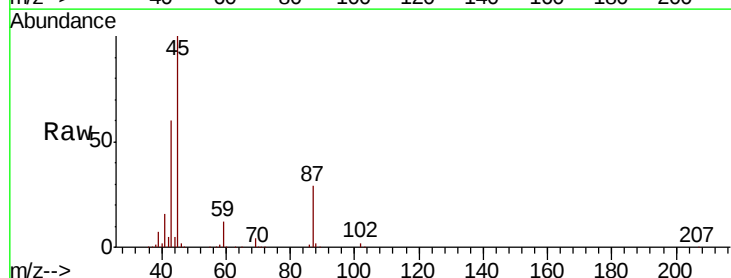


Abundance Ion 95.90 (95.60 to 96.60): VNC  
Ion 60.90 (60.60 to 61.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC

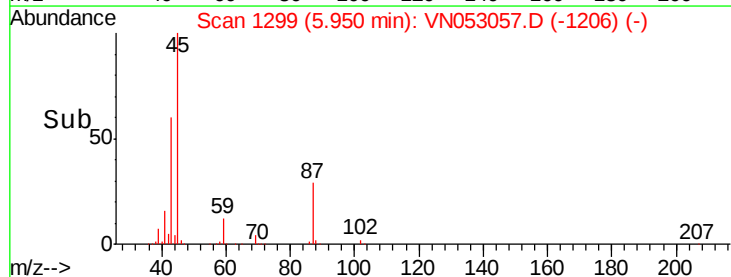
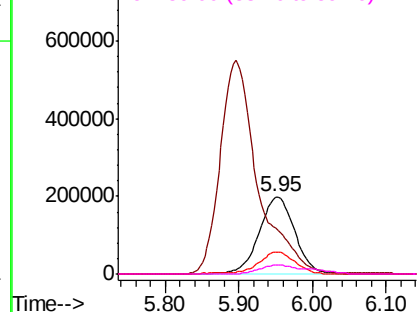


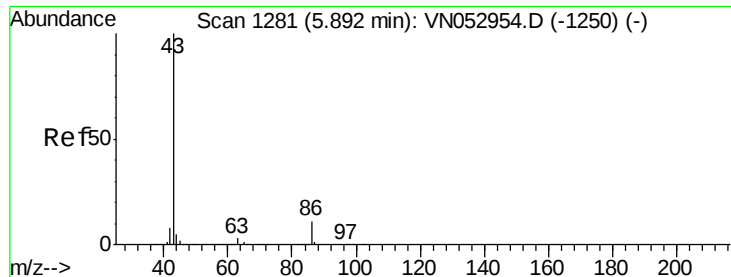
#22  
Diisopropyl ether  
Concen: 20.488 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 45 Resp: 667607  
Ion Ratio Lower Upper  
45 100  
43 57.8 45.5 68.3  
87 28.5 22.0 33.0  
59 11.5 9.4 14.0



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





#23

Vinyl Acetate

Concen: 104.593 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleID :

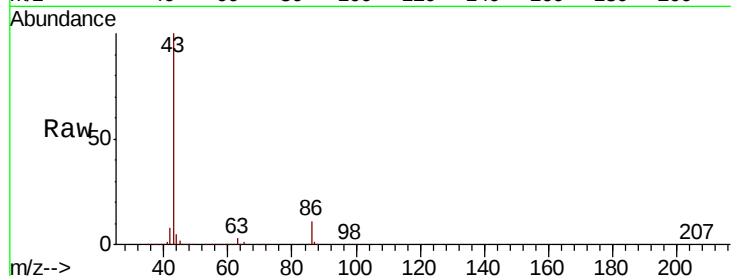
VN1220WBSD01

Tot Ion: 43 Resp: 1959798

Ion Ratio Lower Upper

43 100

86 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN052954.D (-1250) (-)

5.90

600000

500000

400000

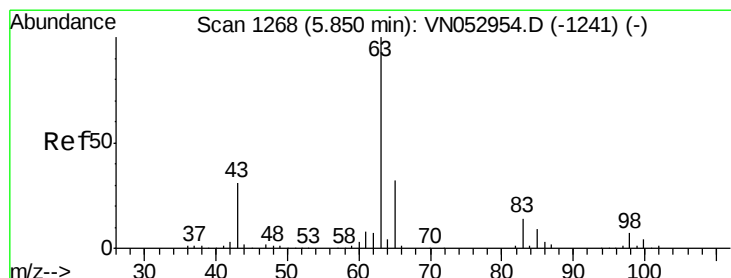
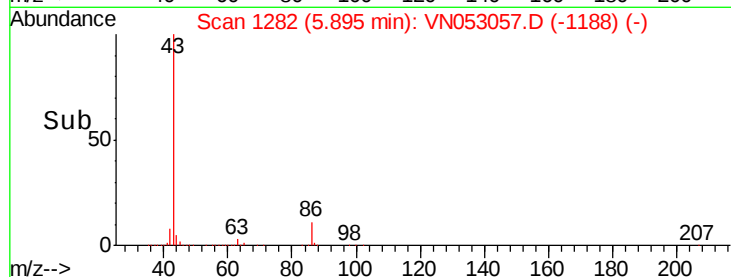
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.797 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

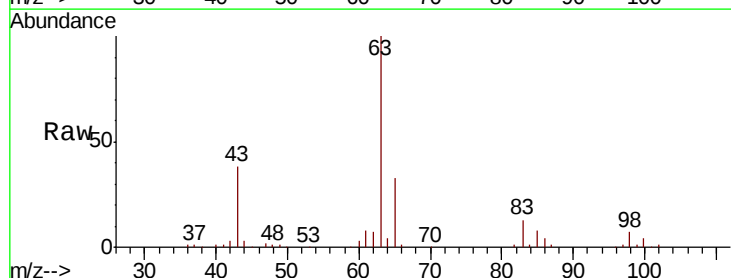
Tgt Ion: 63 Resp: 383334

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052954.D (-1241) (-)

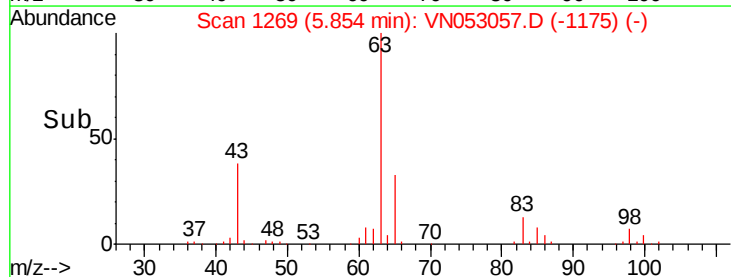
150000

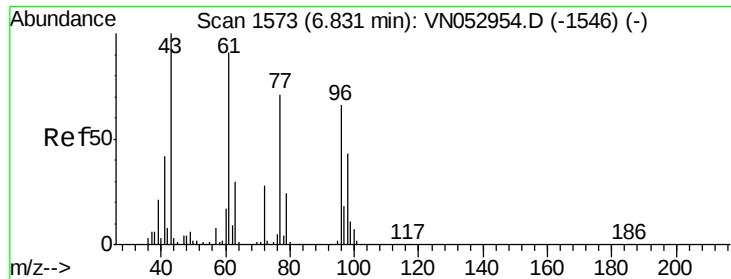
100000

50000

0

Time-->





#25

2-Butanone

Concen: 107.674 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

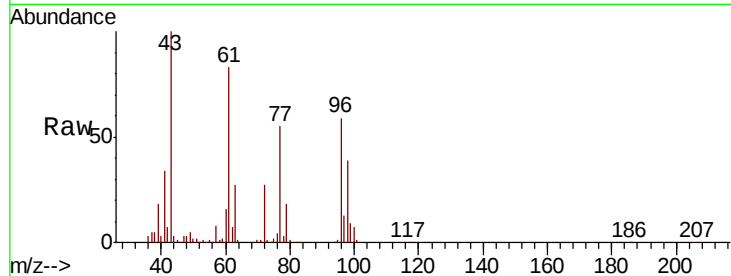
VN1220WBSD01

Tot Ion: 43 Resp: 371778

Ion Ratio Lower Upper

43 100

72 27.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

100000

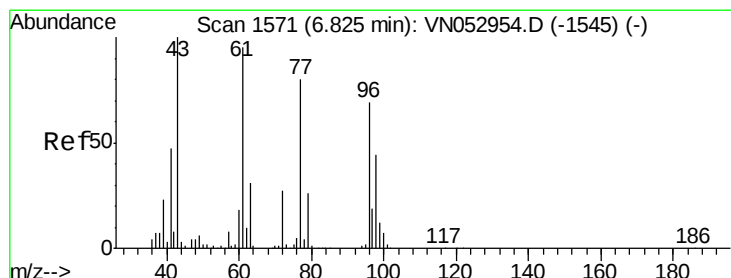
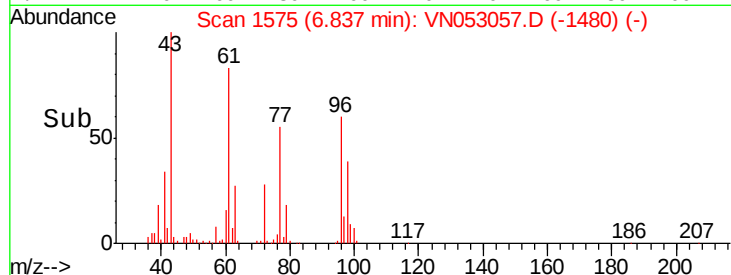
50000

0

6.70 6.80 6.90

6.84

Time-->



#26

2,2-Dichloropropane

Concen: 17.638 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053057.D

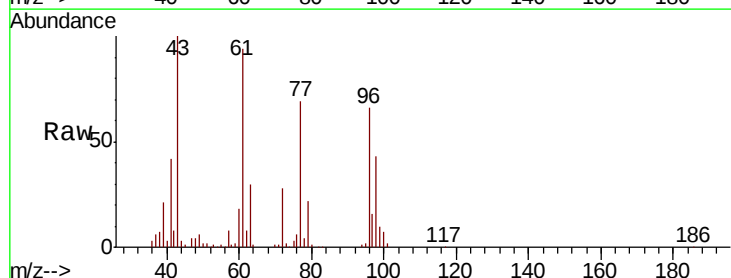
Acq: 20 Dec 2018 15:28

Tgt Ion: 77 Resp: 260705

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

80000

60000

40000

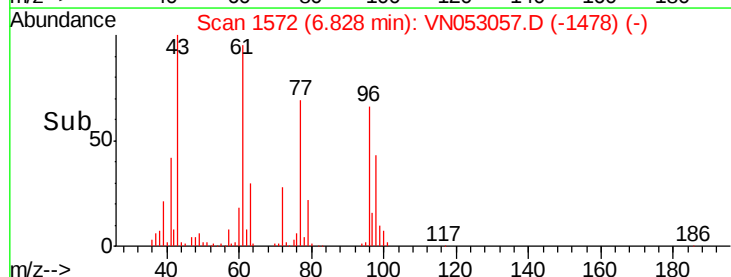
20000

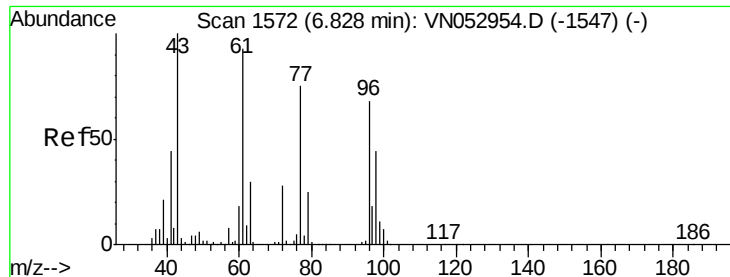
0

6.70 6.80 6.90 7.00

6.83

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.605 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

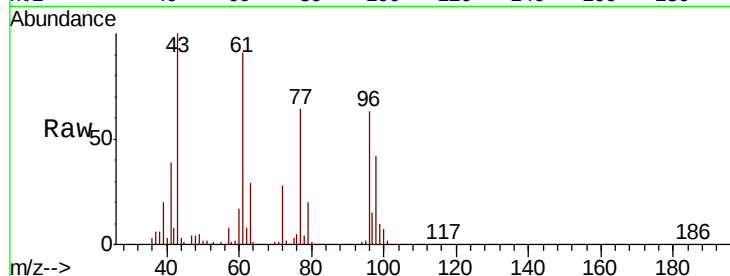
Tot Ion: 96 Resp: 235015

Ion Ratio Lower Upper

96 100

61 141.2 0.0 284.2

98 64.4 0.0 129.2

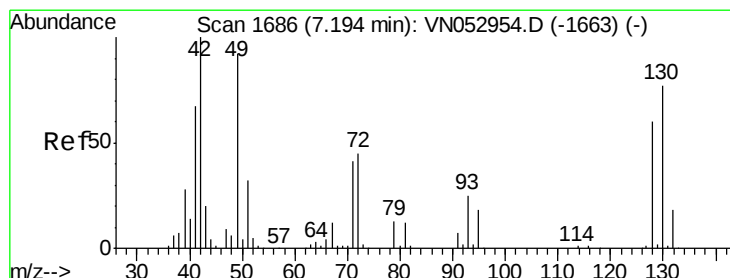
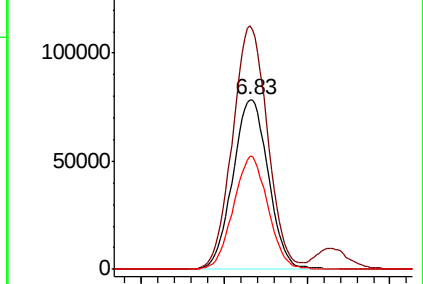
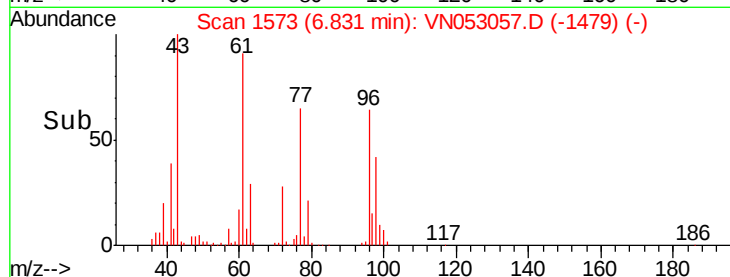


Abundance Ion 95.90 (95.60 to 96.60): VN052954.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1547) (-)

Time-->



#28

Bromochloromethane

Concen: 21.796 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

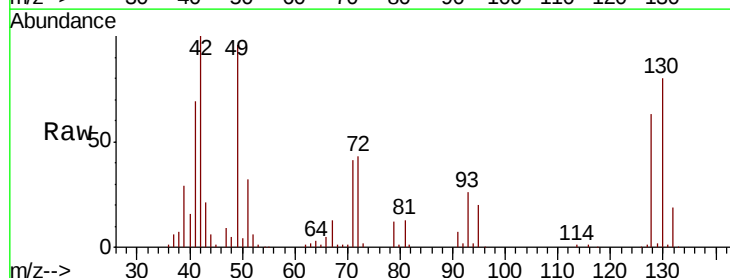
Tgt Ion: 49 Resp: 182878

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 82.6 63.3 94.9

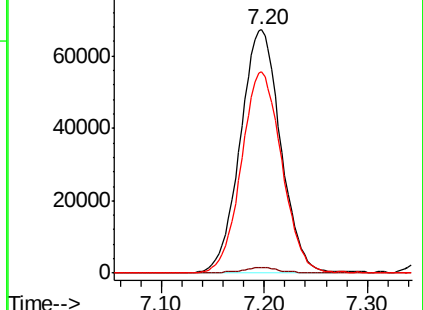
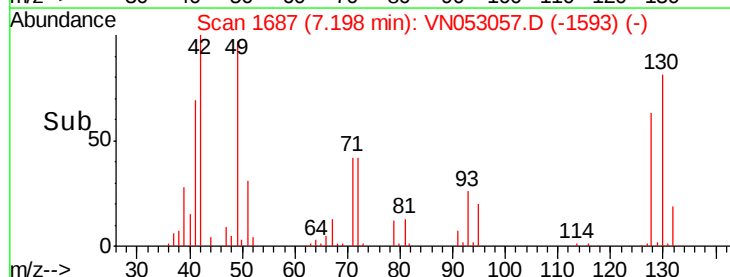


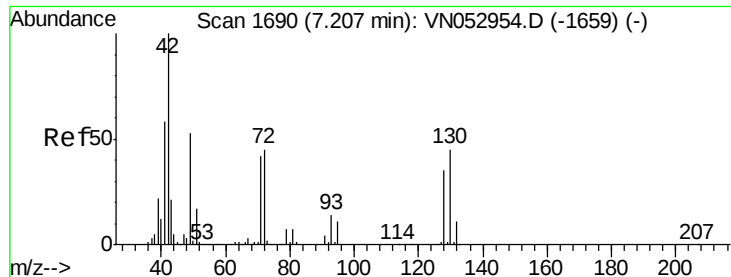
Abundance Ion 48.90 (48.60 to 49.60): VN052954.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN052954.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN052954.D (-1663) (-)

Time-->

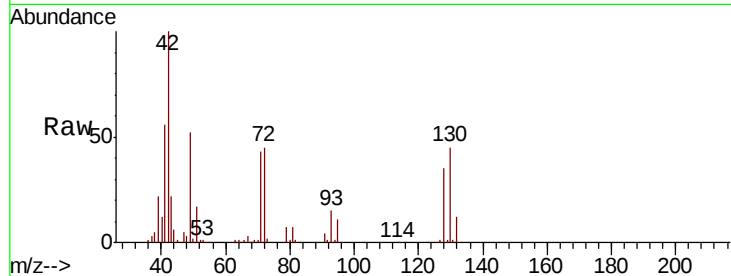




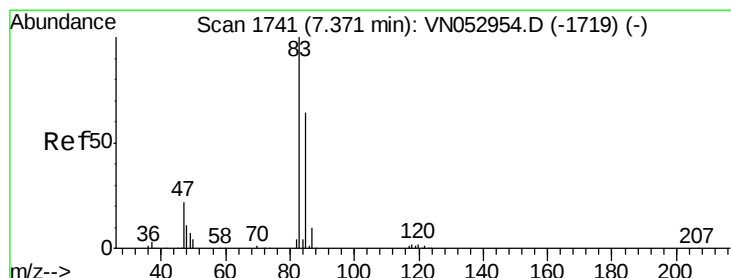
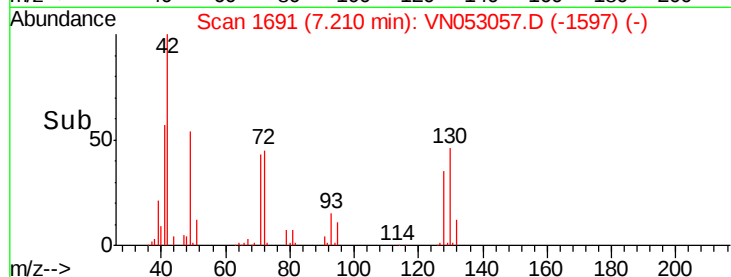
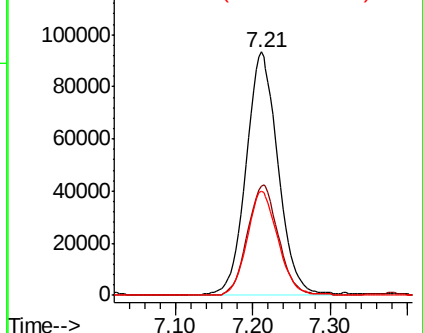
#29  
Tetrahydrofuran  
Concen: 103.791 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

Tot Ion: 42 Resp: 267656  
Ion Ratio Lower Upper  
42 100  
72 44.6 34.7 52.1  
71 41.4 32.3 48.5

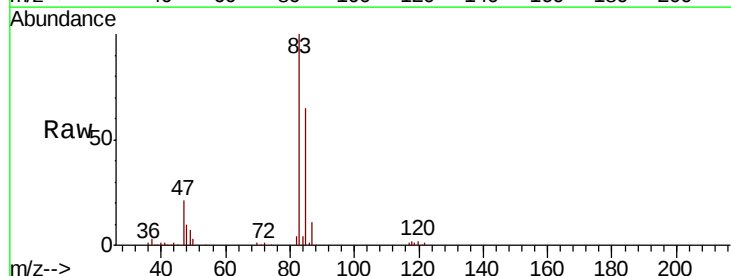


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

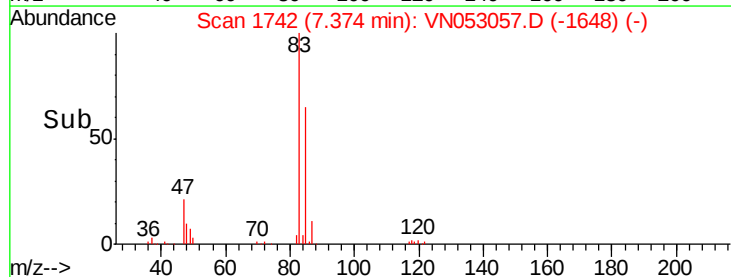
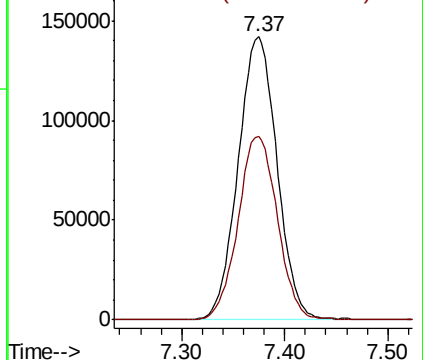


#30  
Chloroform  
Concen: 19.596 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 83 Resp: 372730  
Ion Ratio Lower Upper  
83 100  
85 64.8 52.1 78.1



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





#31

Cyclohexane

Concen: 19.475 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

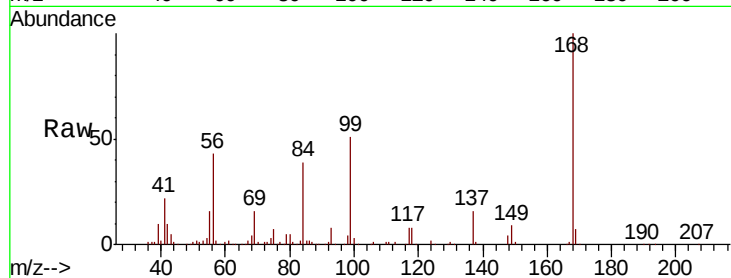
Tot Ion: 56 Resp: 365321

Ion Ratio Lower Upper

56 100

69 37.2 26.6 39.8

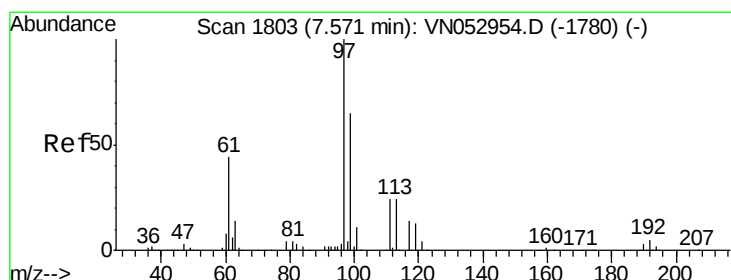
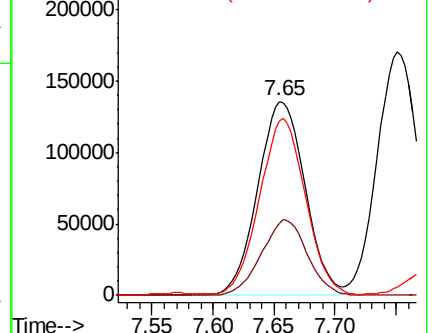
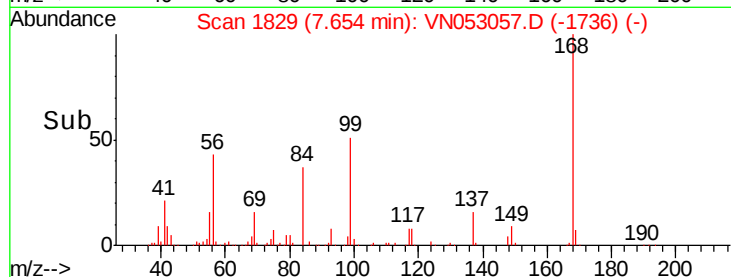
84 89.0 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053057.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053057.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053057.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 19.253 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

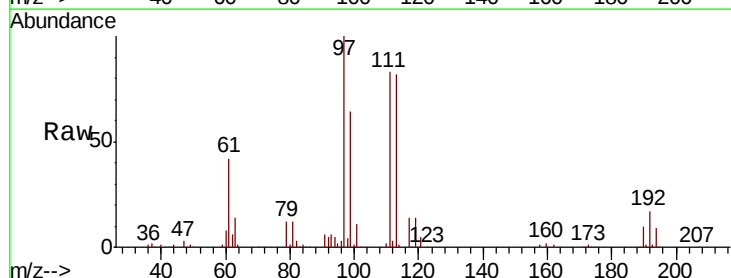
Tgt Ion: 97 Resp: 311972

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

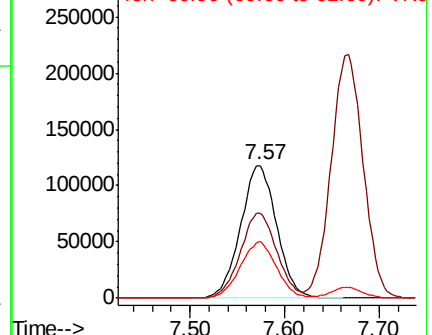
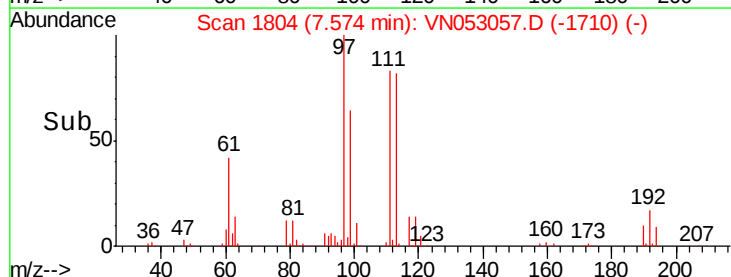
61 42.9 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN053057.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053057.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053057.D (-1710) (-)

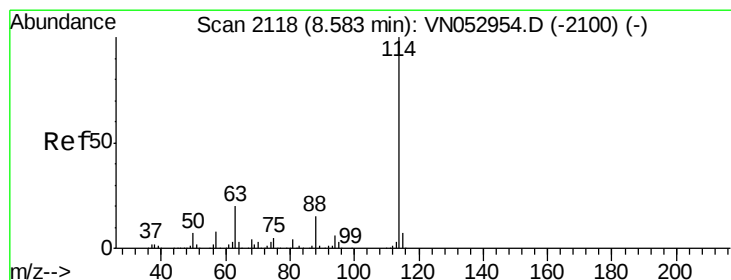
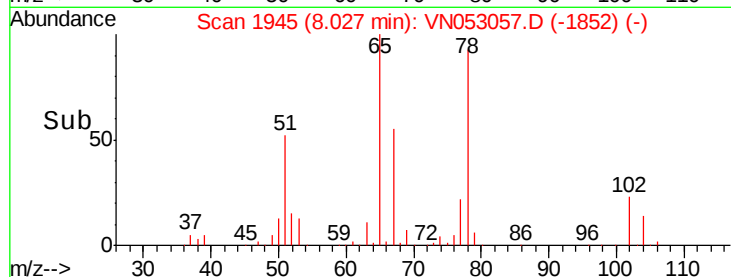
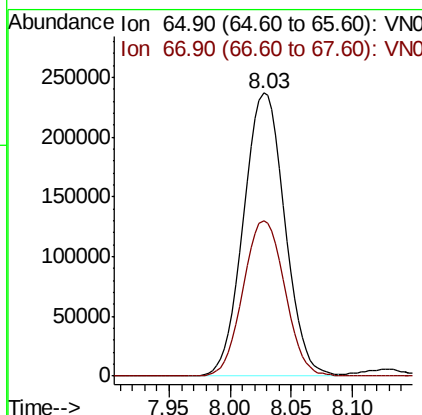
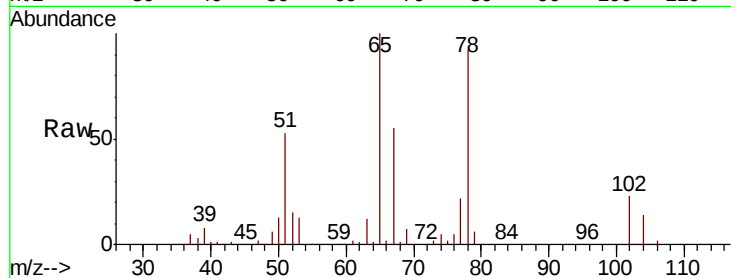




#33  
 1,2-Dichloroethane-d4  
 Concen: 19.253 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

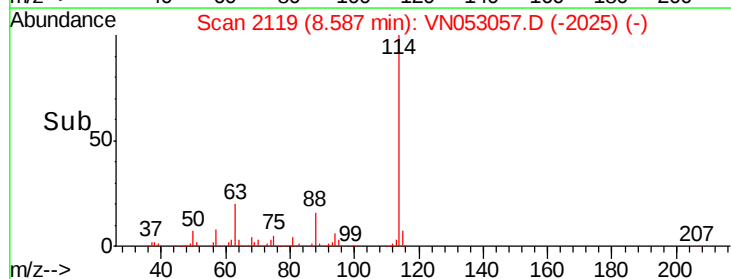
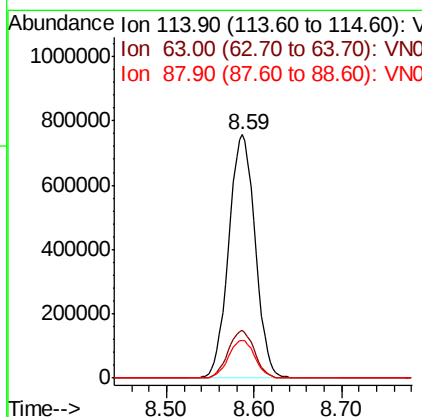
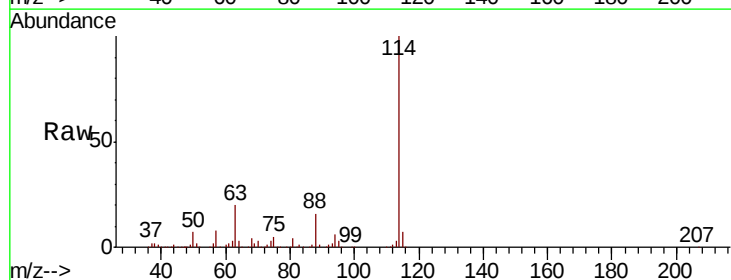
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

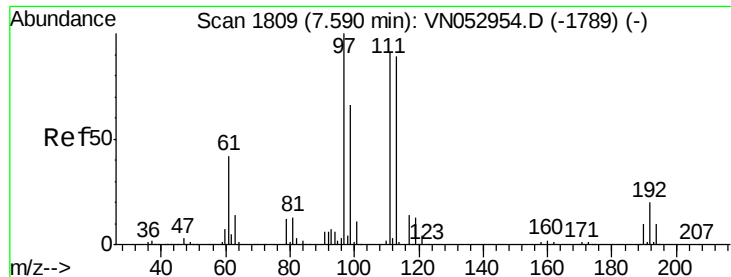
Tot Ion: 65 Resp: 556043  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Tgt Ion: 114 Resp: 1590217  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.8  
 88 15.6 0.0 31.0

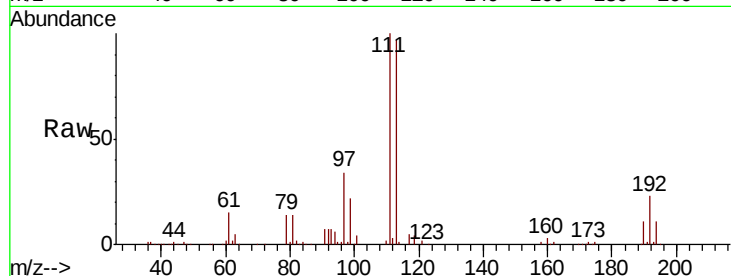




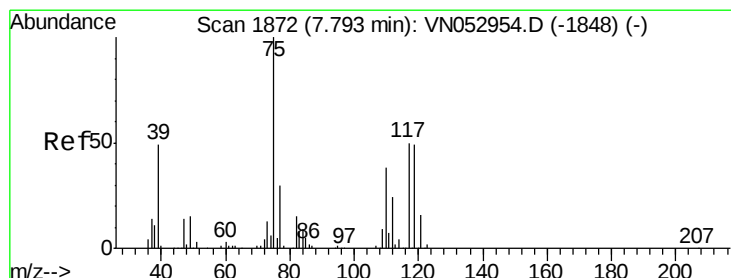
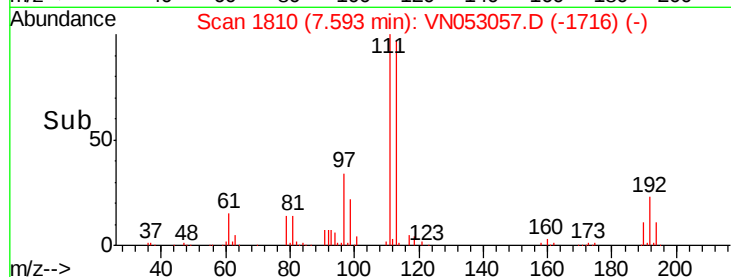
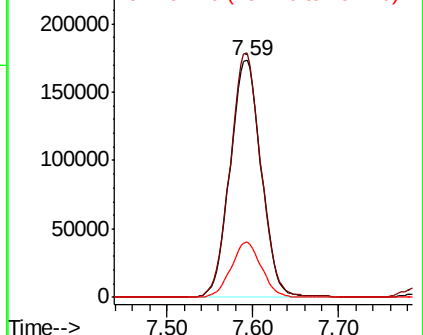
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

Tot Ion:113 Resp: 437075  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 83.0 124.4  
 192 22.6 17.5 26.3

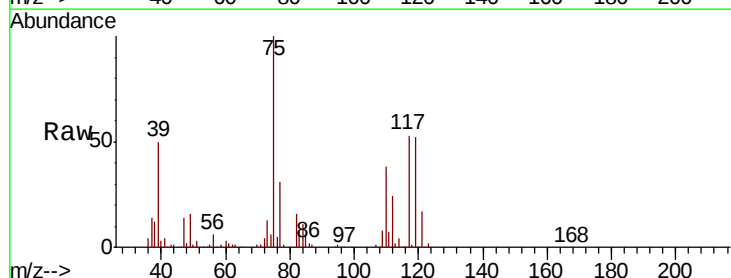


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

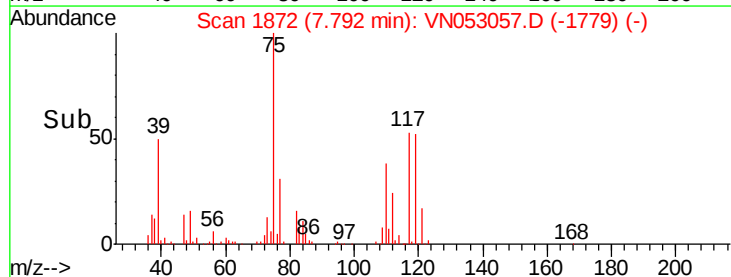
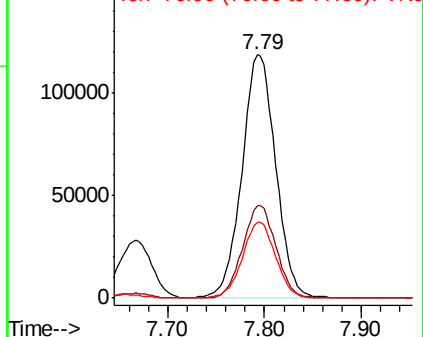


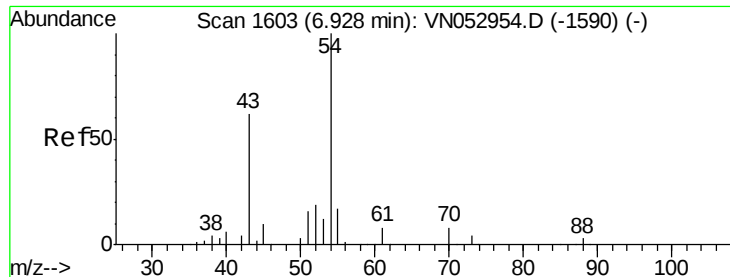
#36  
 1,1-Dichloropropene  
 Concen: 18.669 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Tgt Ion: 75 Resp: 284958  
 Ion Ratio Lower Upper  
 75 100  
 110 38.0 18.2 54.6  
 77 31.1 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): V

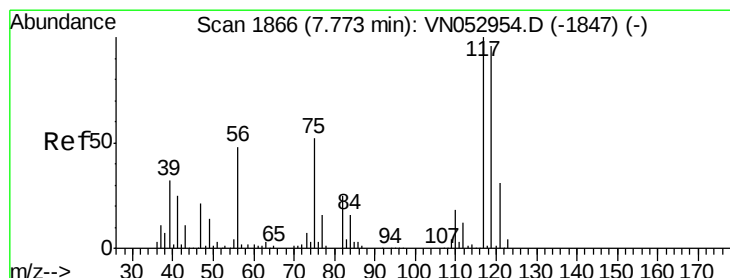
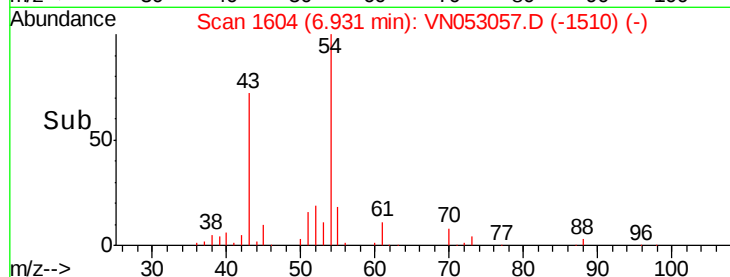
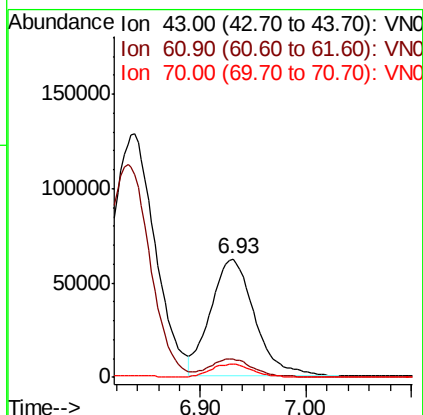
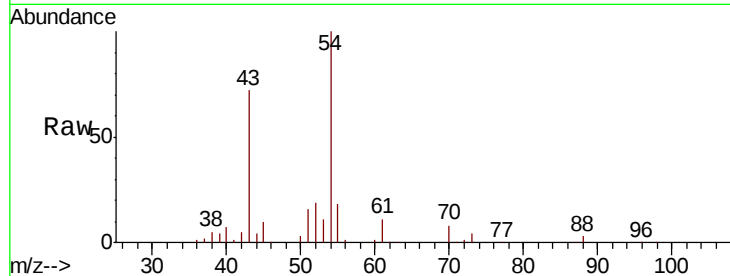




#37  
Ethyl Acetate  
Concen: 21.089 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

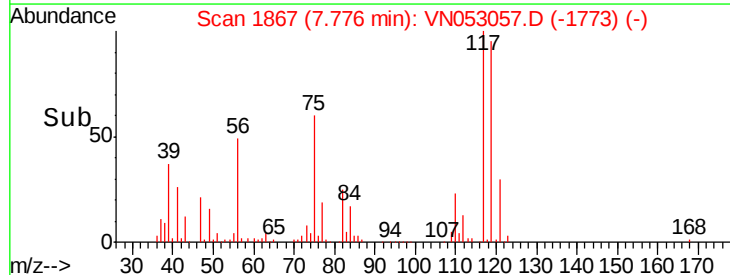
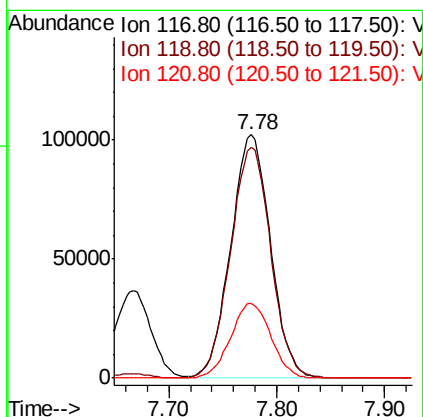
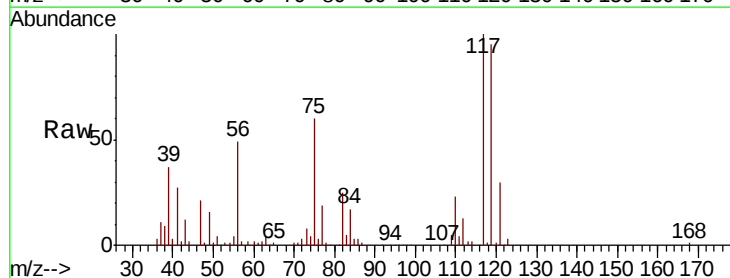
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

Tot Ion: 43 Resp: 179690  
Ion Ratio Lower Upper  
43 100  
61 14.9 11.8 17.6  
70 10.9 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 18.623 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 117 Resp: 260543  
Ion Ratio Lower Upper  
117 100  
119 94.9 77.1 115.7  
121 30.5 24.9 37.3

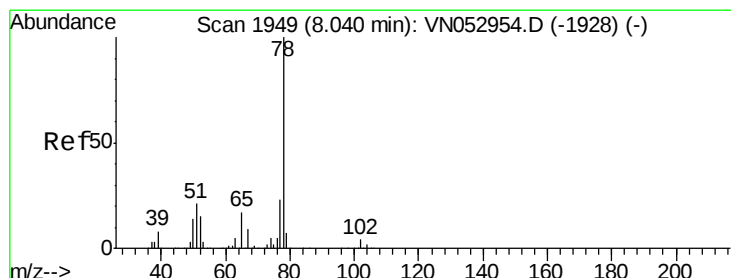
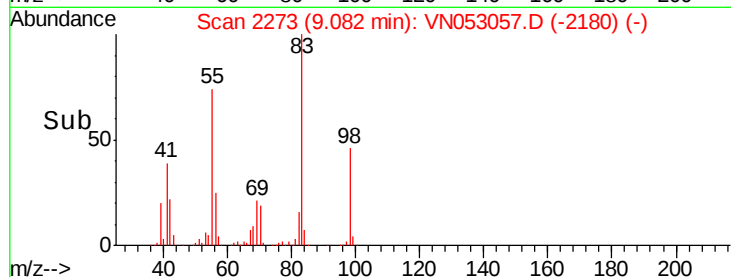
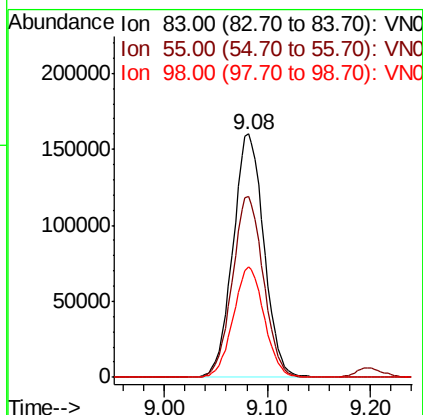
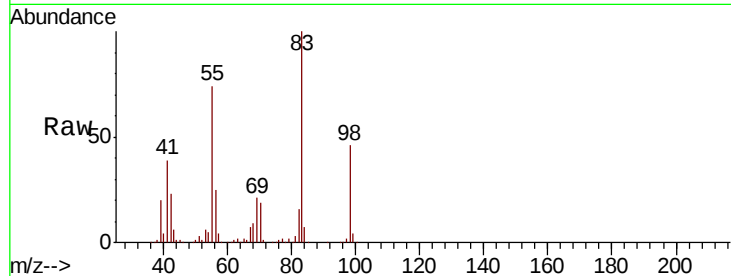




#39  
Methvlcvclohexane  
Concen: 18.072 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

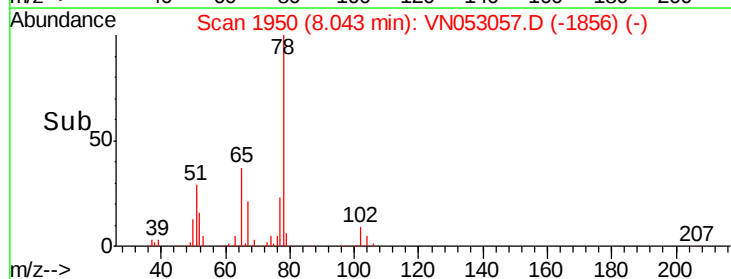
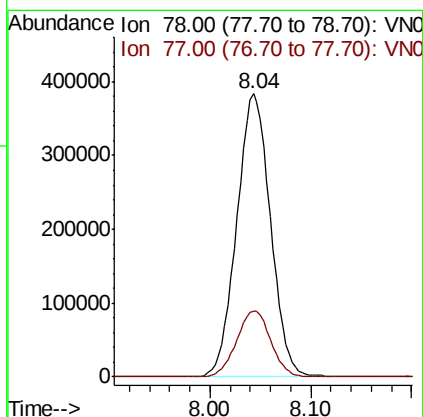
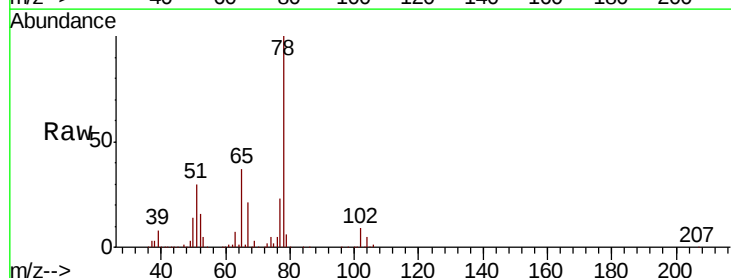
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

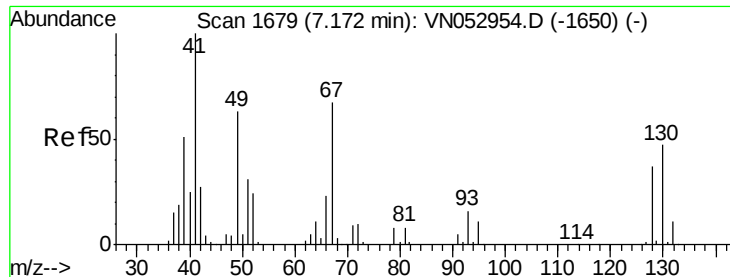
Tot Ion: 83 Resp: 335089  
Ion Ratio Lower Upper  
83 100  
55 74.3 61.3 91.9  
98 45.6 37.0 55.4



#40  
Benzene  
Concen: 19.588 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 78 Resp: 889298  
Ion Ratio Lower Upper  
78 100  
77 23.4 18.5 27.7

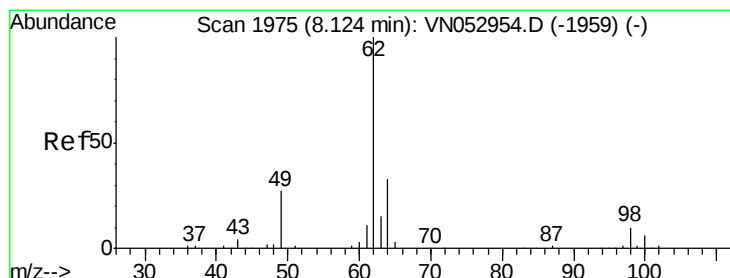
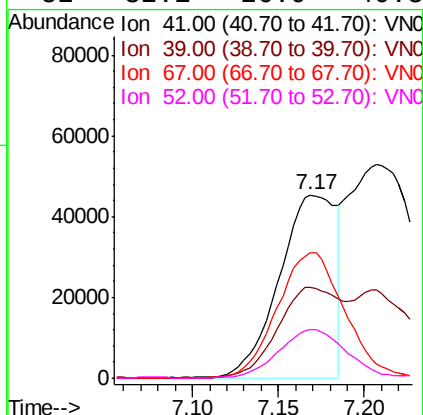
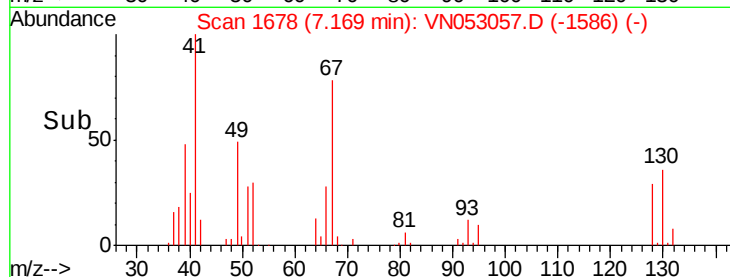
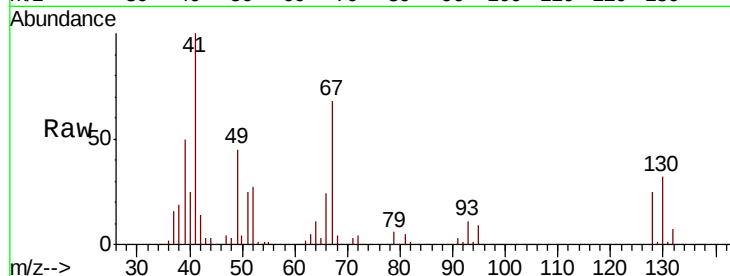




#41  
Methacrylonitrile  
Concen: 21.267 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

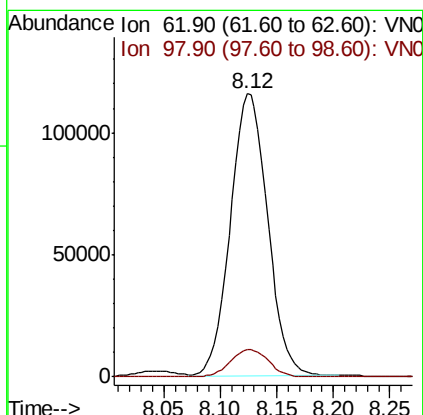
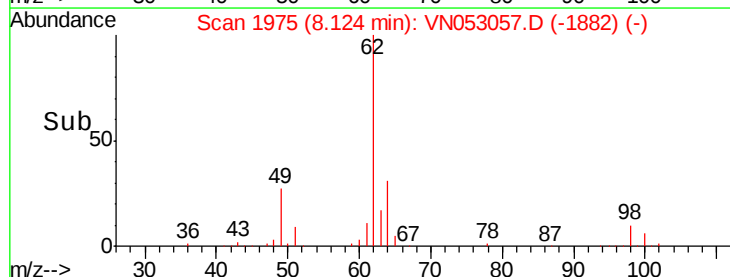
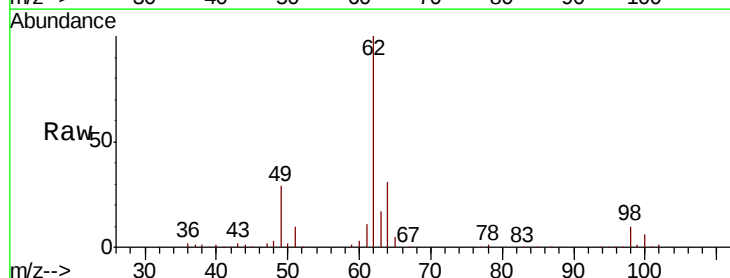
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

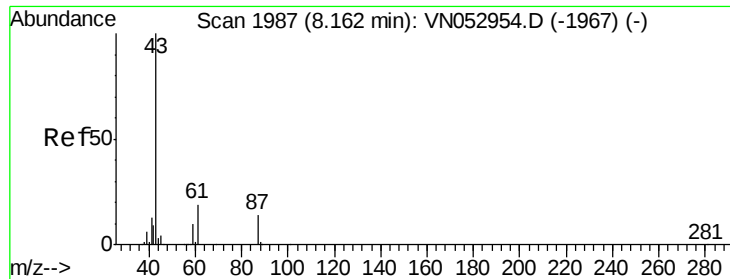
Tot Ion: 41 Resp: 104704  
Ion Ratio Lower Upper  
41 100  
39 56.6 48.0 72.0  
67 81.6 70.3 105.5  
52 32.1 26.9 40.3



#42  
1,2-Dichloroethane  
Concen: 19.774 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 62 Resp: 265205  
Ion Ratio Lower Upper  
62 100  
98 9.9 0.0 19.0





#43

Isopropyl Acetate

Concen: 19.271 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

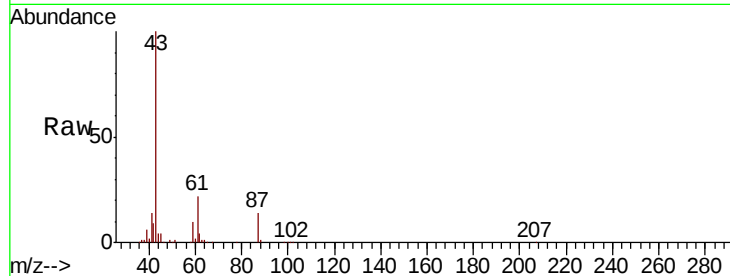
Tot Ion: 43 Resp: 328343

Ion Ratio Lower Upper

43 100

61 29.5 22.9 34.3

87 13.5 10.6 15.8

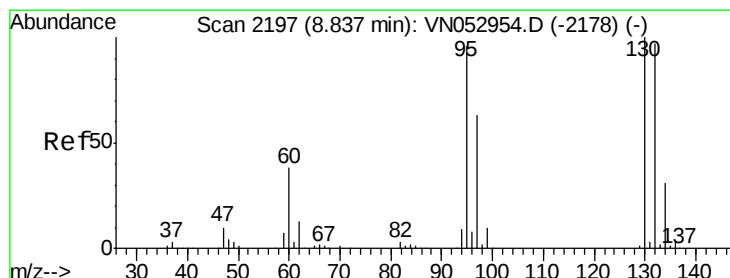
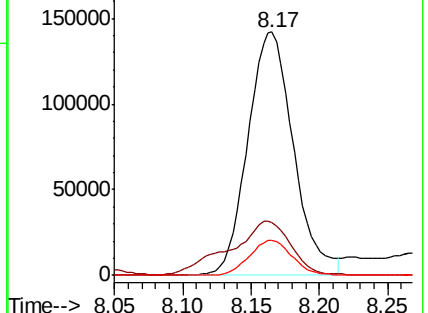
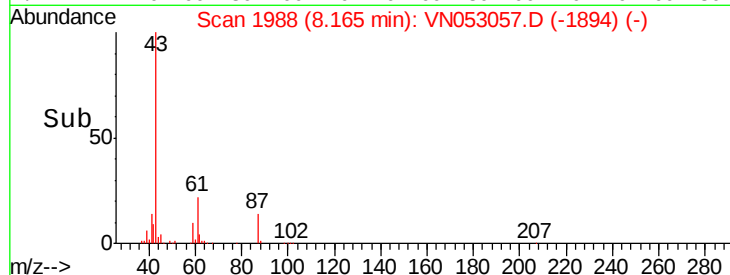


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 18.507 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053057.D

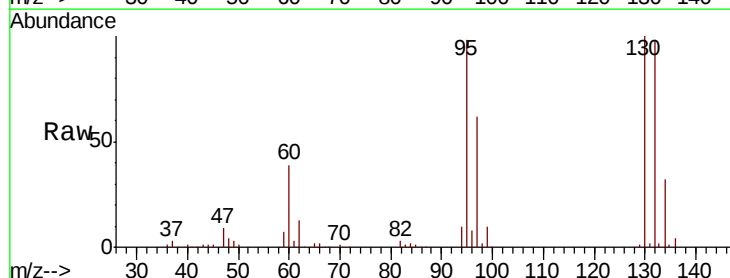
Acq: 20 Dec 2018 15:28

Tgt Ion:130 Resp: 243032

Ion Ratio Lower Upper

130 100

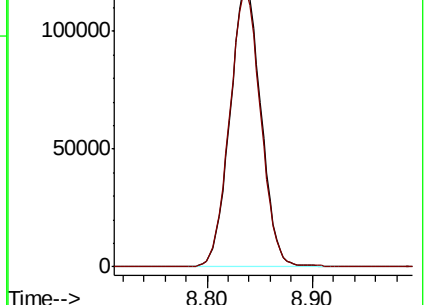
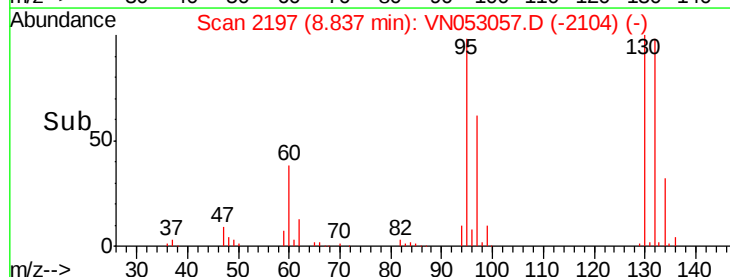
95 98.0 0.0 197.8

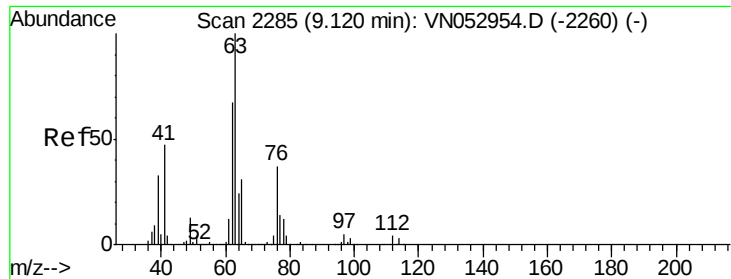


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time--> 8.80 8.90





#45

1,2-Dichloropropane

Concen: 19.879 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

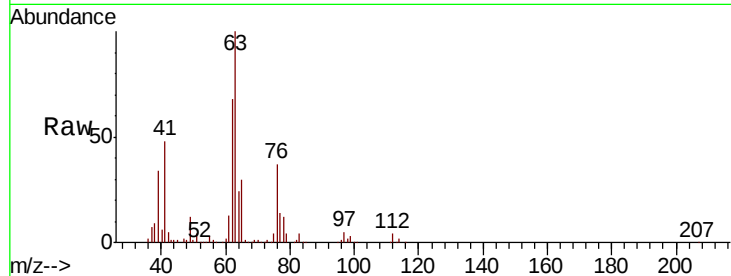
VN1220WBSD01

Tot Ion: 63 Resp: 235084

Ion Ratio Lower Upper

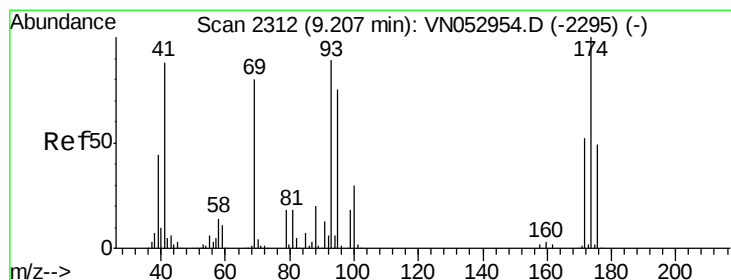
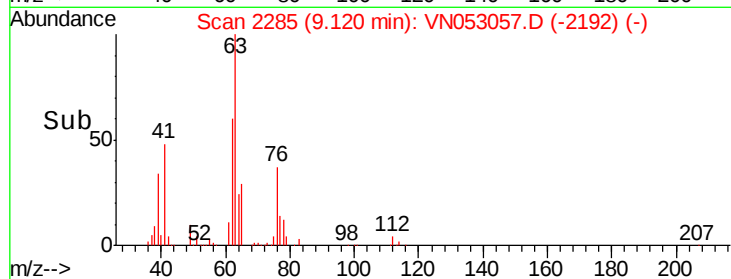
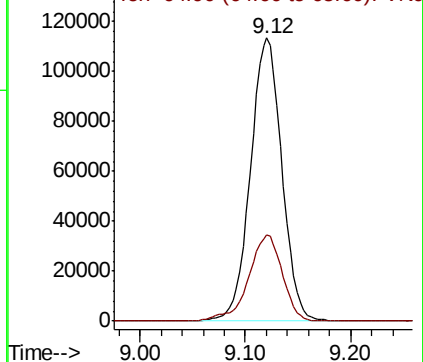
63 100

65 30.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.446 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

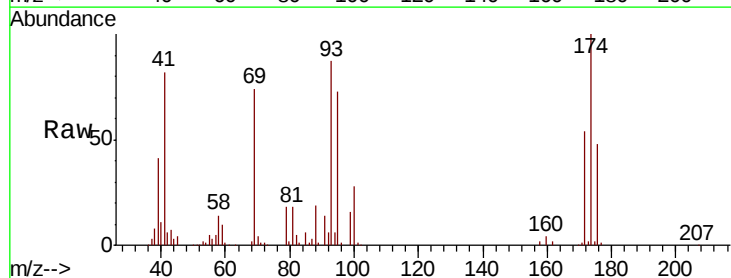
Tgt Ion: 93 Resp: 133958

Ion Ratio Lower Upper

93 100

95 84.2 67.8 101.6

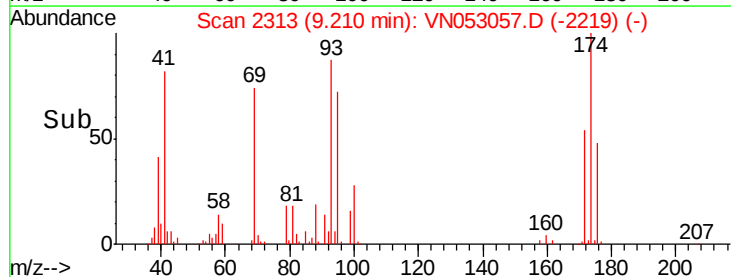
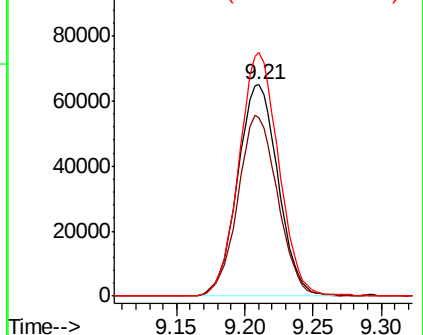
174 113.5 89.0 133.4

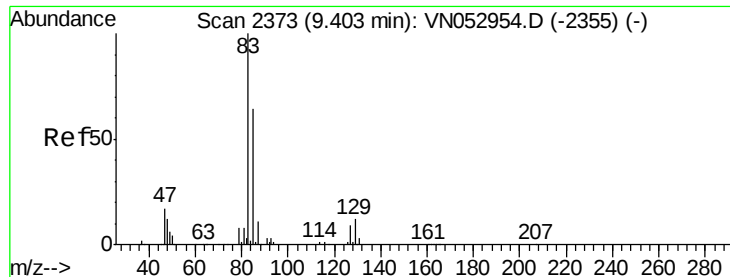


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.876 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

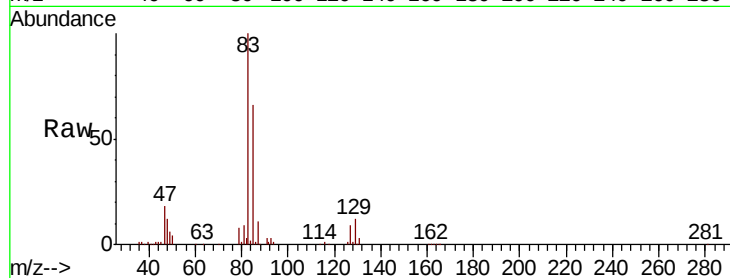
Tot Ion: 83 Resp: 276410

Ion Ratio Lower Upper

83 100

85 65.9 51.6 77.4

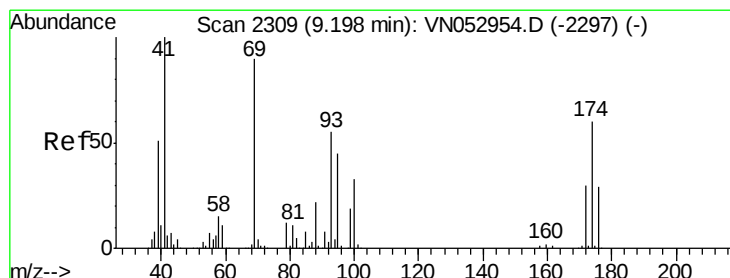
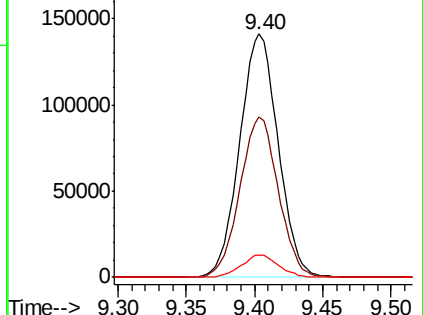
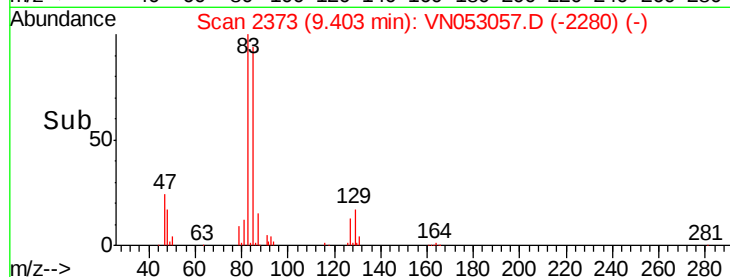
127 9.4 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053057.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053057.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053057.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.849 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

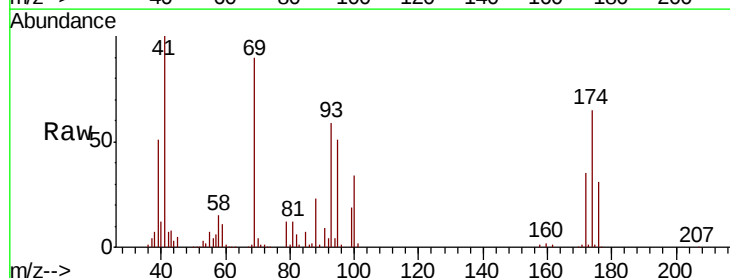
Tgt Ion: 41 Resp: 164116

Ion Ratio Lower Upper

41 100

69 91.8 72.2 108.2

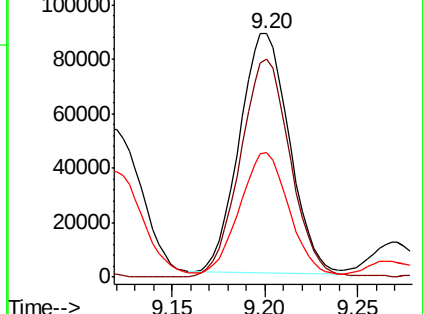
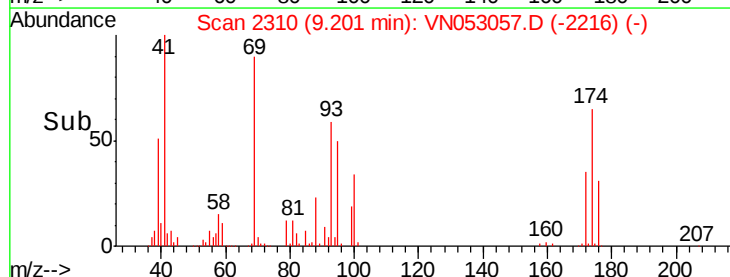
39 52.1 41.9 62.9

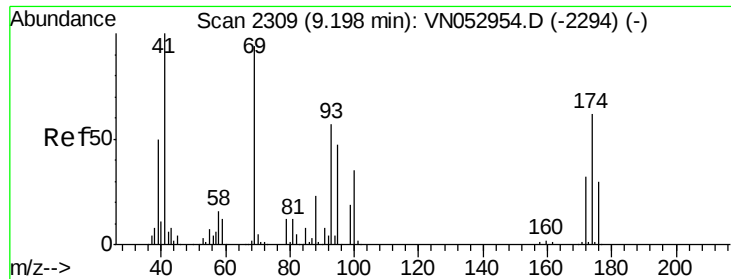


Abundance Ion 41.00 (40.70 to 41.70): VN053057.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053057.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053057.D (-2216) (-)





#49

1,4-Dioxane

Concen: 396.940 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

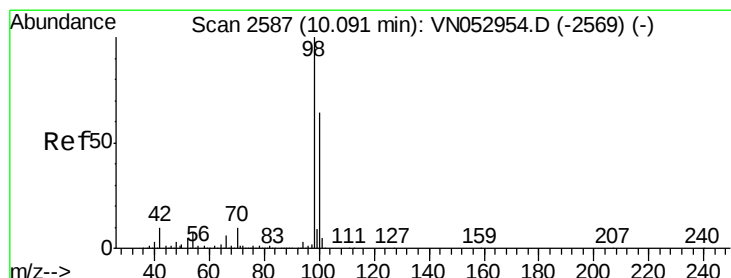
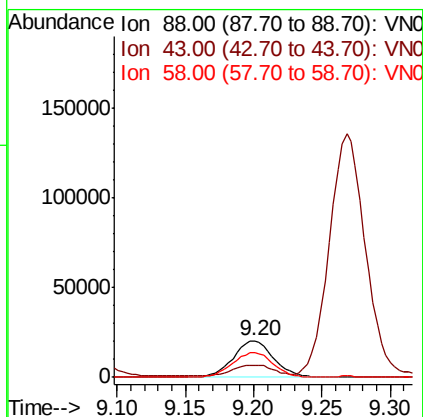
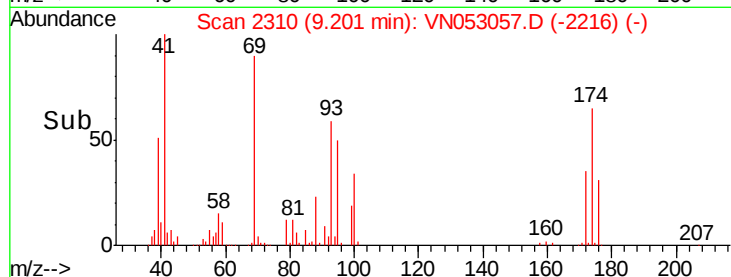
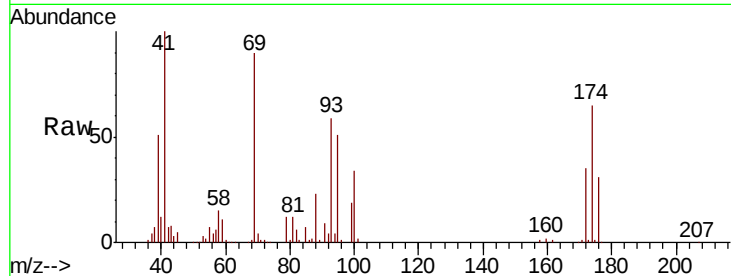
Tot Ion: 88 Resp: 41516

Ion Ratio Lower Upper

88 100

43 30.9 26.6 40.0

58 69.6 58.4 87.6



#50

Toluene-d8

Concen: 396.940 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053057.D

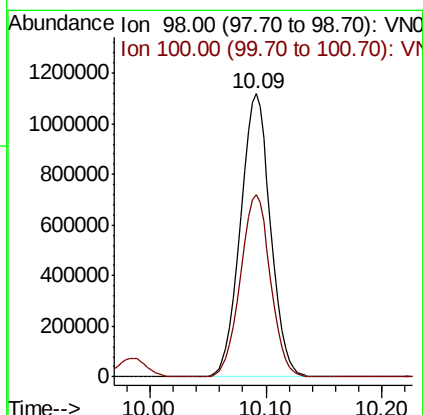
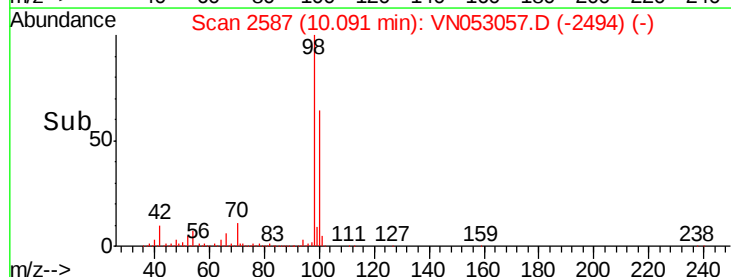
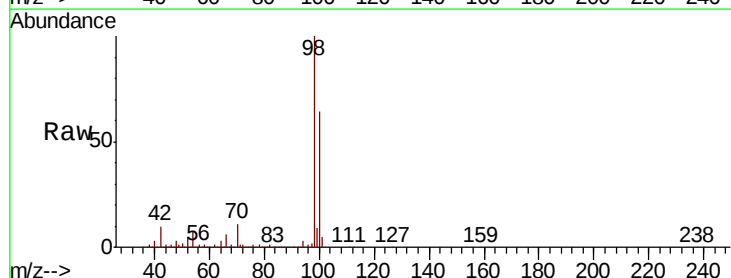
Acq: 20 Dec 2018 15:28

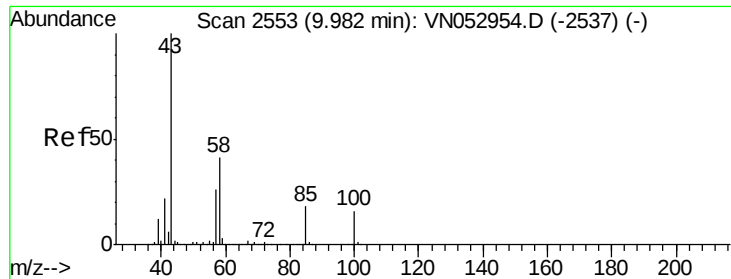
Tgt Ion: 98 Resp: 2006579

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 104.712 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

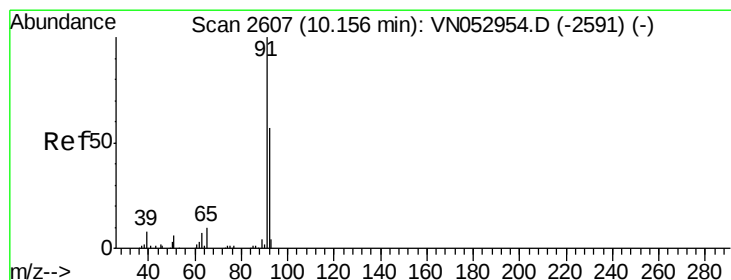
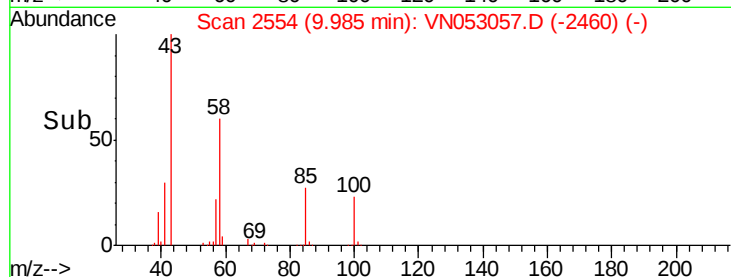
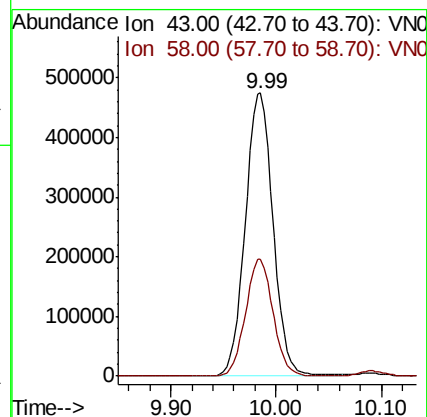
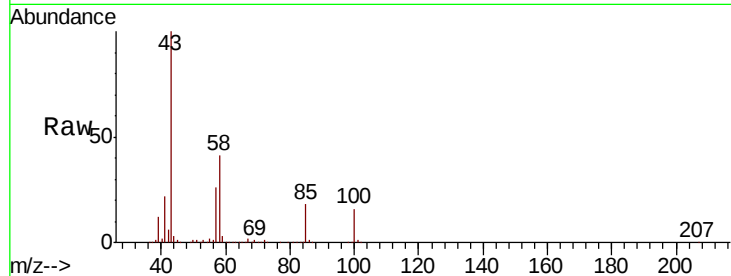
VN1220WBSD01

Tot Ion: 43 Resp: 864051

Ion Ratio Lower Upper

43 100

58 41.1 32.2 48.4



#52

Toluene

Concen: 19.563 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053057.D

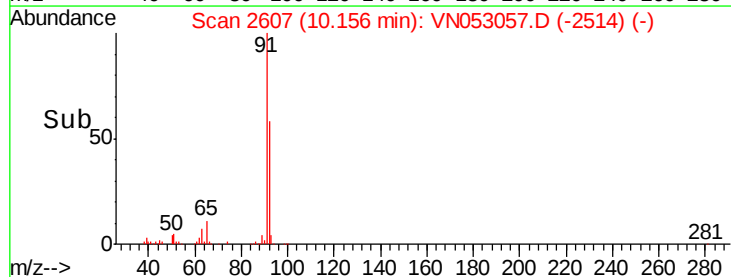
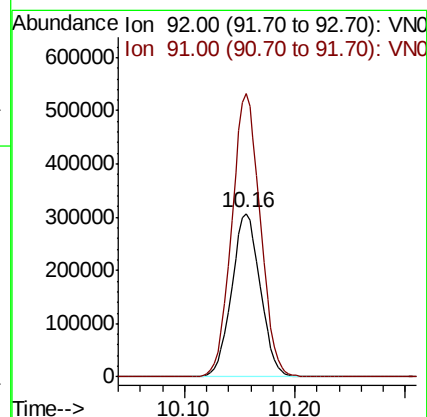
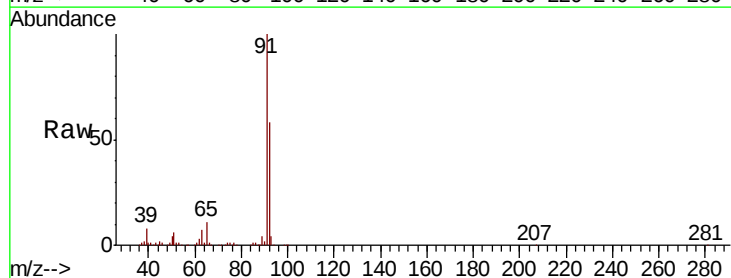
Acq: 20 Dec 2018 15:28

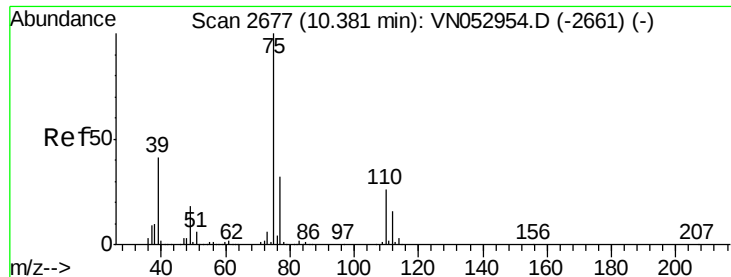
Tgt Ion: 92 Resp: 550499

Ion Ratio Lower Upper

92 100

91 172.8 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.150 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

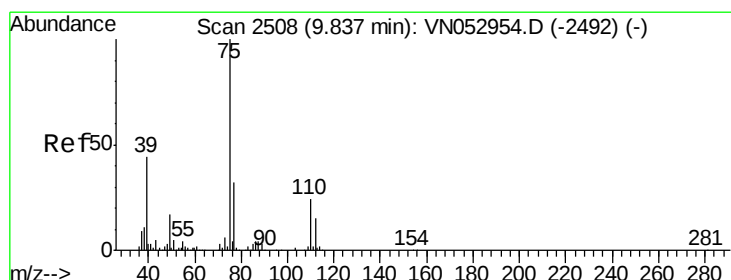
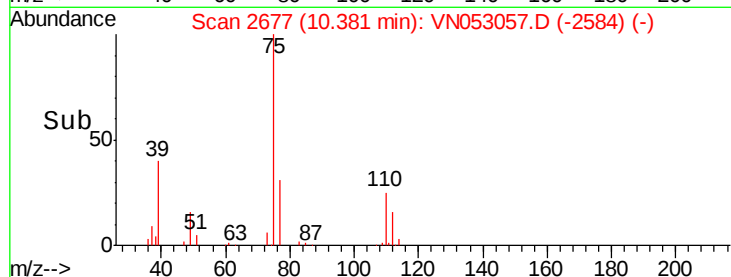
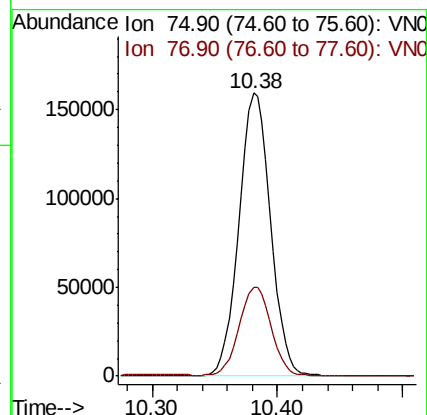
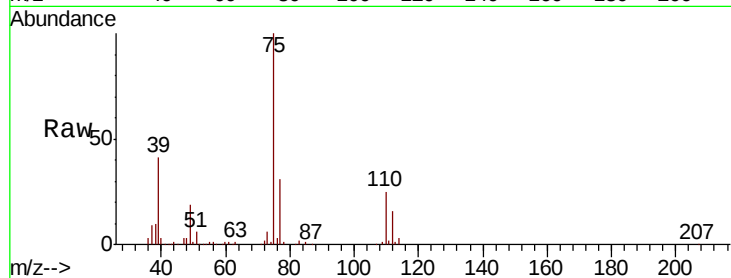
VN1220WBSD01

Tot Ion: 75 Resp: 279485

Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 18.867 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

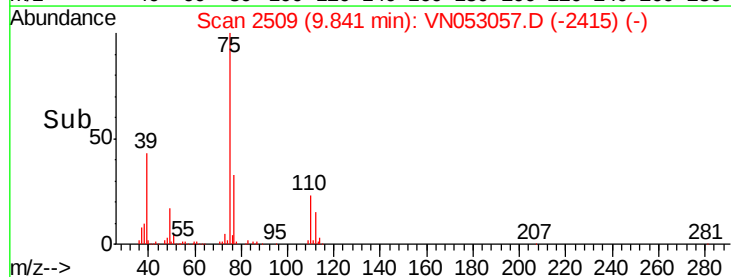
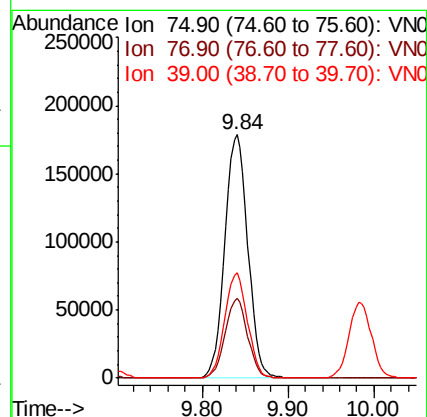
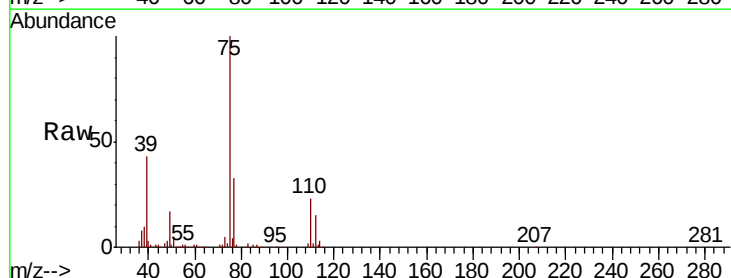
Tgt Ion: 75 Resp: 333462

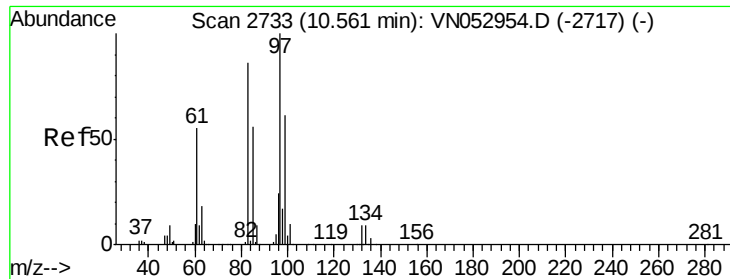
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

39 43.0 34.8 52.2

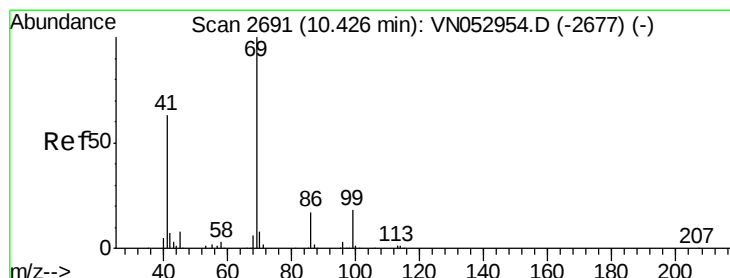
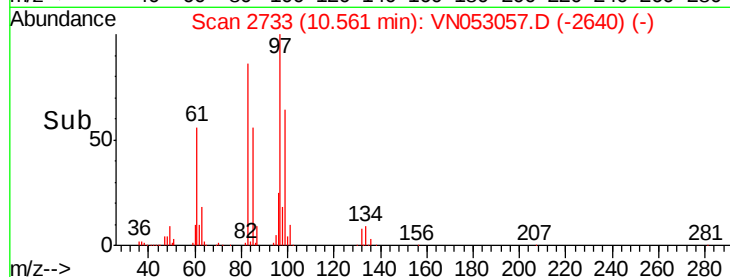
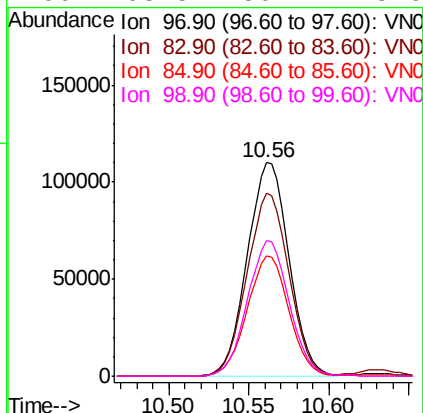
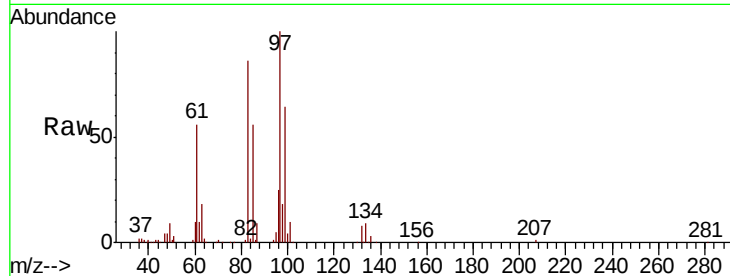




#55  
 1,1,2-Trichloroethane  
 Concen: 20.078 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

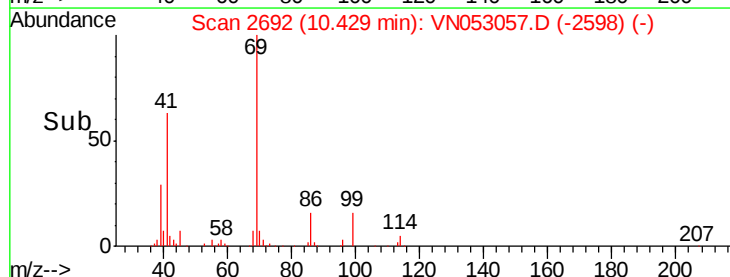
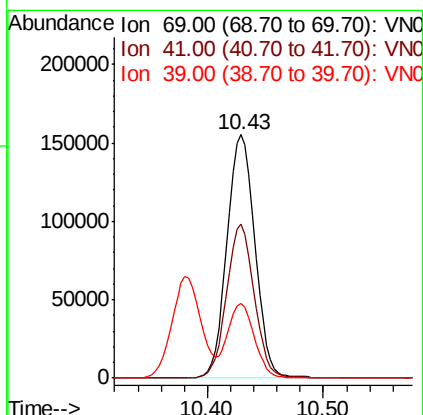
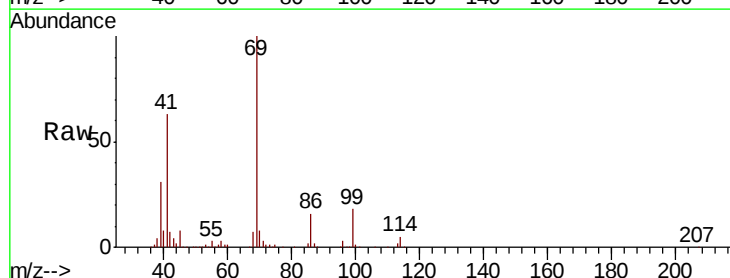
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 197116 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.7  | 70.9  | 106.3  |
| 85       | 56.3  | 45.4  | 68.2   |
| 99       | 63.5  | 50.4  | 75.6   |



#56  
 Ethyl methacrylate  
 Concen: 19.877 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 258280 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.9  | 51.7  | 77.5   |
| 39       | 29.4  | 24.6  | 37.0   |





#57

1,3-Dichloropropane

Concen: 19.902 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

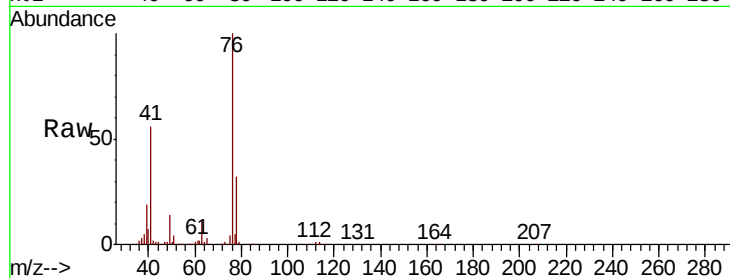
VN1220WBSD01

Tot Ion: 76 Resp: 335056

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

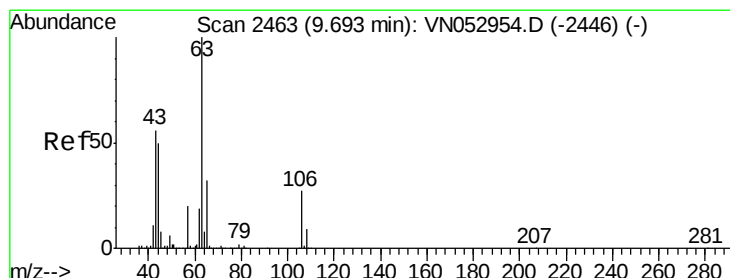
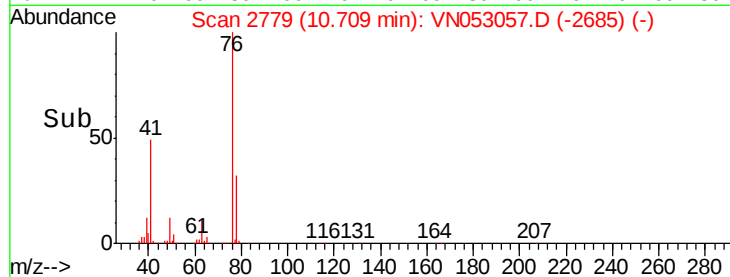
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 104.383 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053057.D

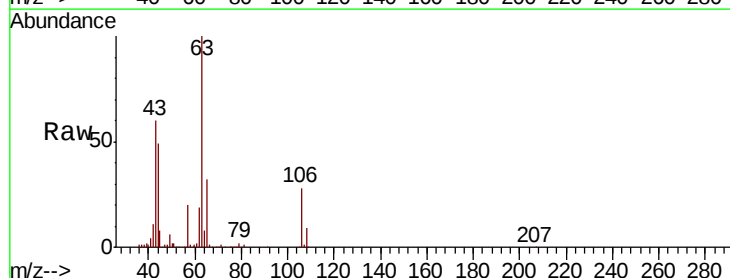
Acq: 20 Dec 2018 15:28

Tgt Ion: 63 Resp: 744641

Ion Ratio Lower Upper

63 100

106 27.2 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

500000

400000

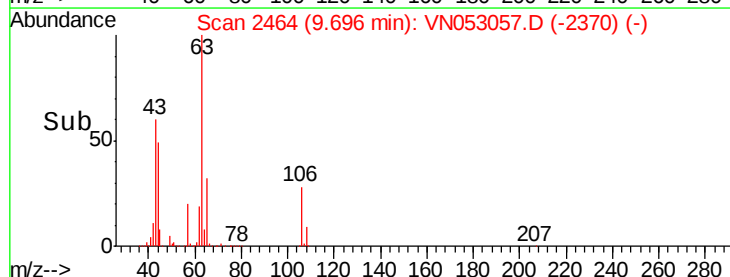
300000

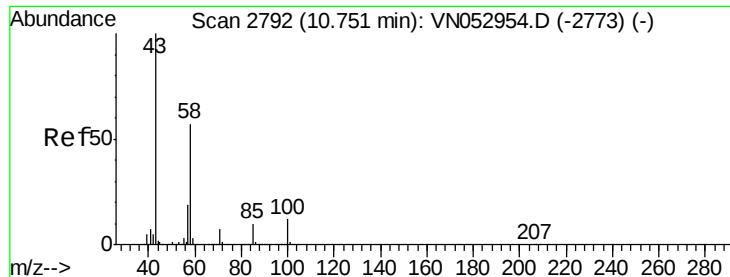
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80

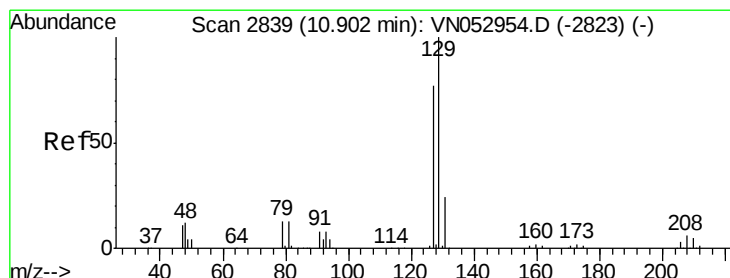
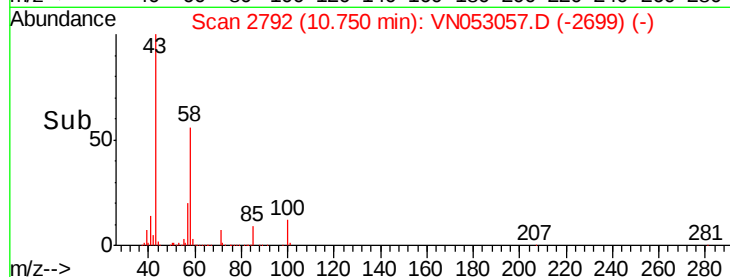
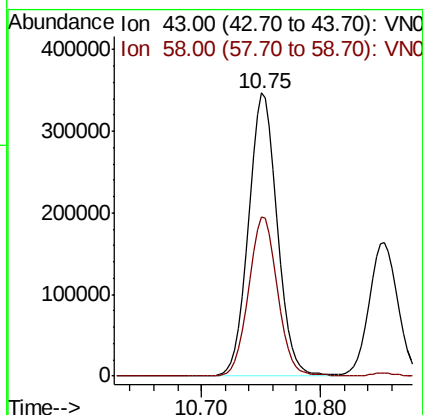
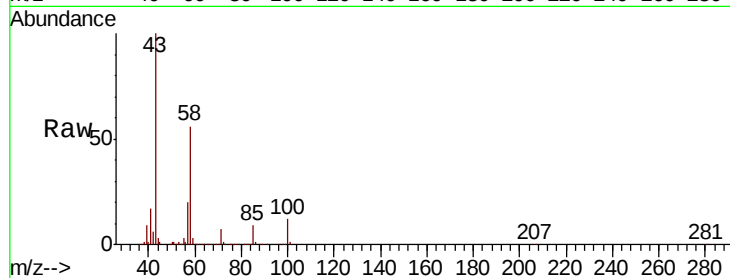




#59  
2-Hexanone  
Concen: 103.579 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

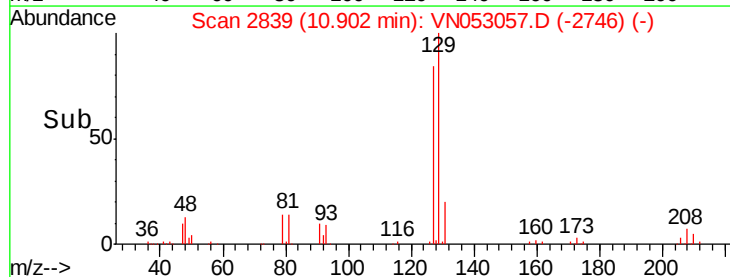
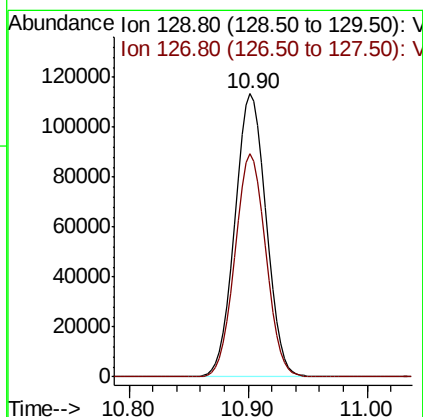
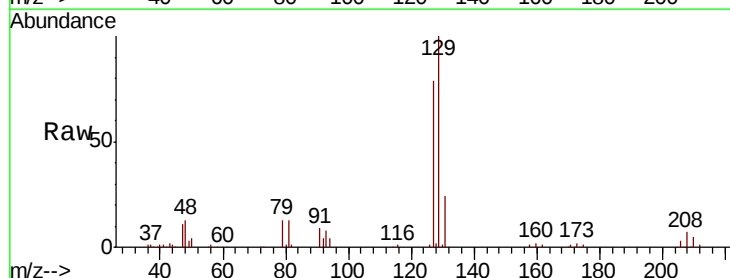
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

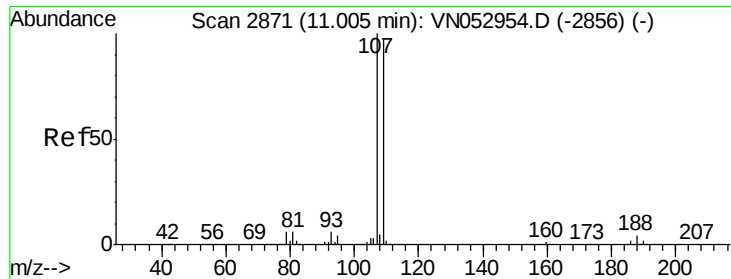
Tot Ion: 43 Resp: 578276  
Ion Ratio Lower Upper  
43 100  
58 56.7 28.1 84.3



#60  
Dibromochloromethane  
Concen: 18.451 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 129 Resp: 207346  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.6 116.0

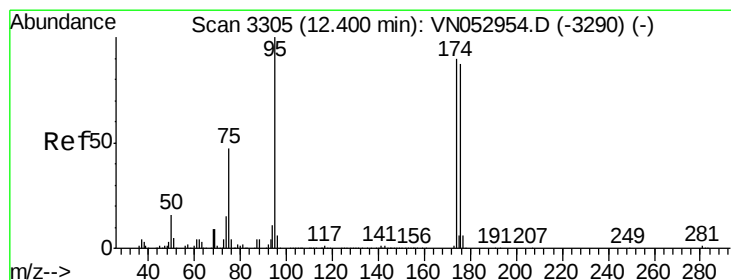
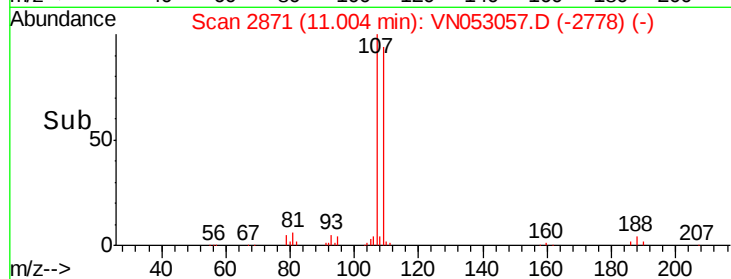
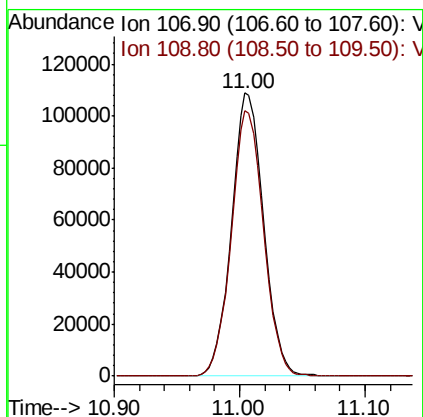
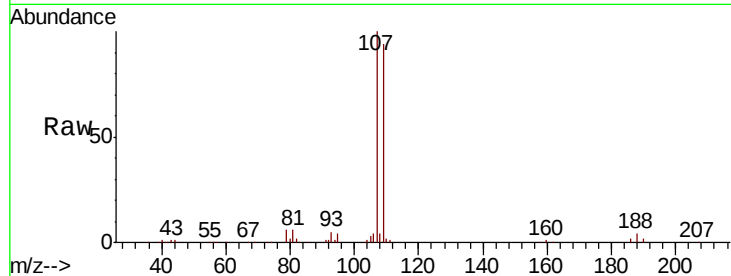




#61  
 1,2-Dibromoethane  
 Concen: 19.406 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

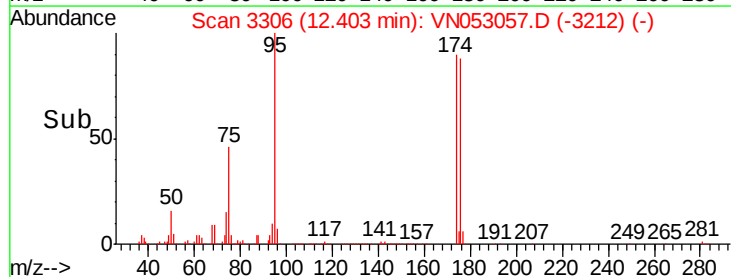
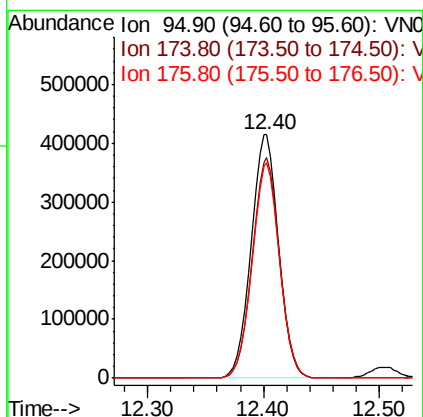
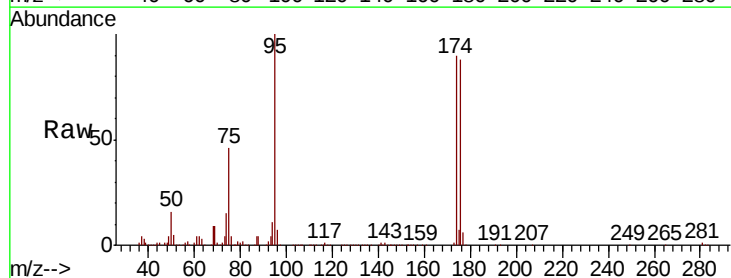
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

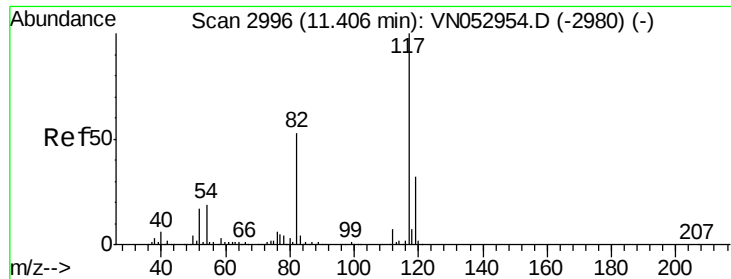
Tot Ion:107 Resp: 193493  
 Ion Ratio Lower Upper  
 107 100  
 109 94.4 75.4 113.0



#62  
 4-Bromofluorobenzene  
 Concen: 19.406 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Tgt Ion: 95 Resp: 686818  
 Ion Ratio Lower Upper  
 95 100  
 174 89.8 0.0 178.8  
 176 87.8 0.0 173.8

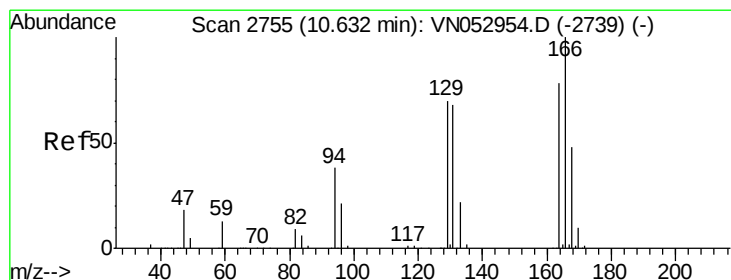
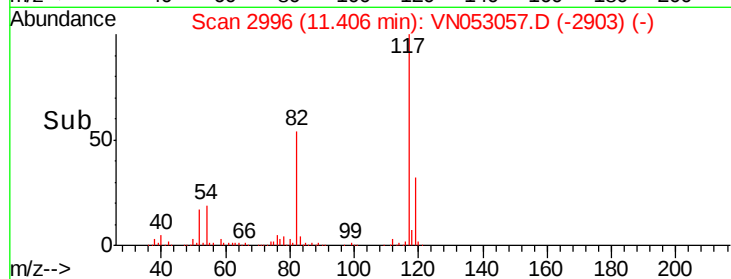
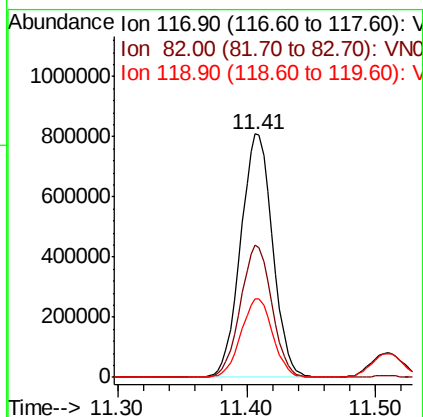
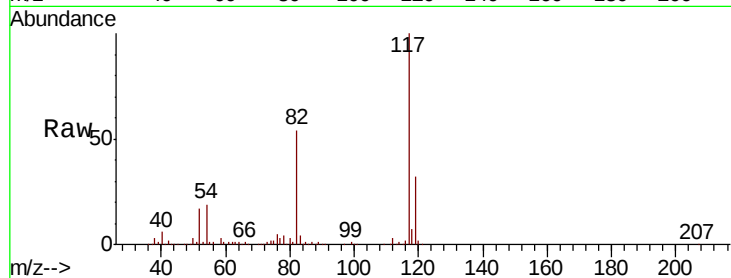




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

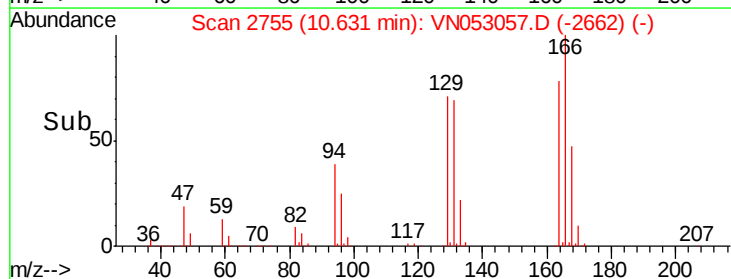
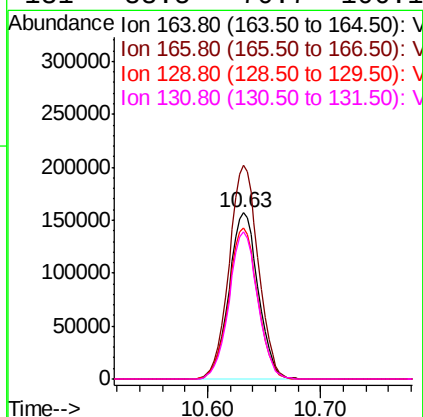
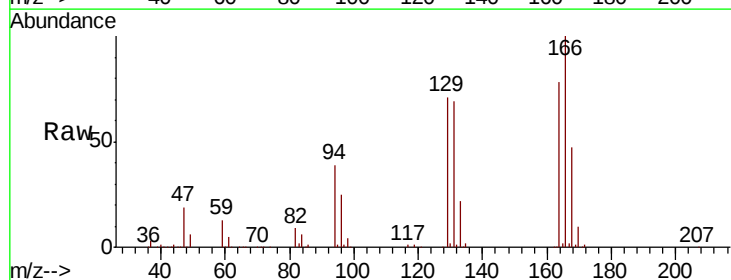
Instrument :  
MSVOA\_N  
ClientSampled :  
VN1220WBSD01

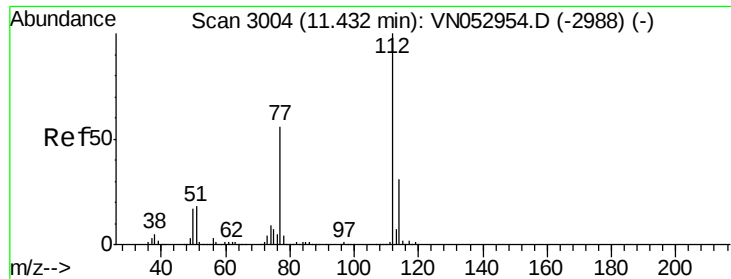
Tot Ion:117 Resp: 1396319  
Ion Ratio Lower Upper  
117 100  
82 54.3 42.8 64.2  
119 32.4 25.5 38.3



#64  
Tetrachloroethene  
Concen: 18.565 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion:164 Resp: 280796  
Ion Ratio Lower Upper  
164 100  
166 128.5 102.9 154.3  
129 90.7 73.7 110.5  
131 88.5 70.7 106.1





#65

Chlorobenzene

Concen: 19.321 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

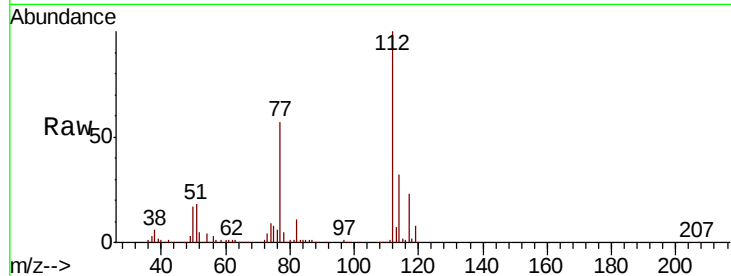
VN1220WBSD01

Tot Ion:112 Resp: 598042

Ion Ratio Lower Upper

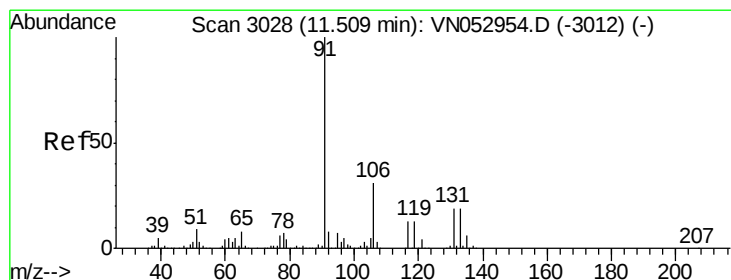
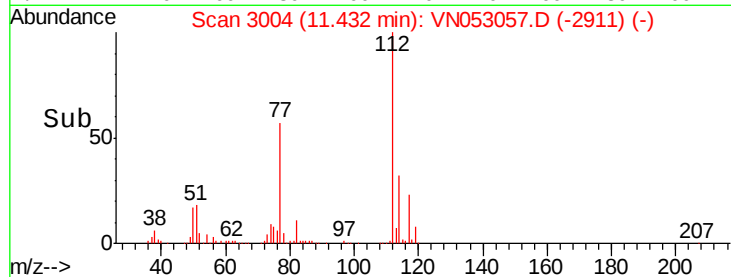
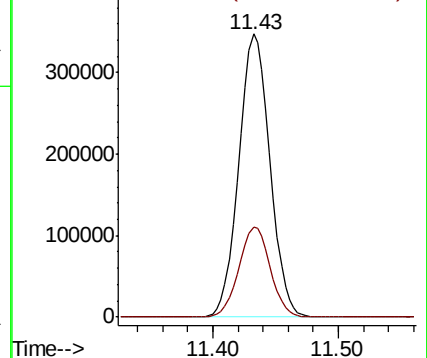
112 100

114 31.6 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.395 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

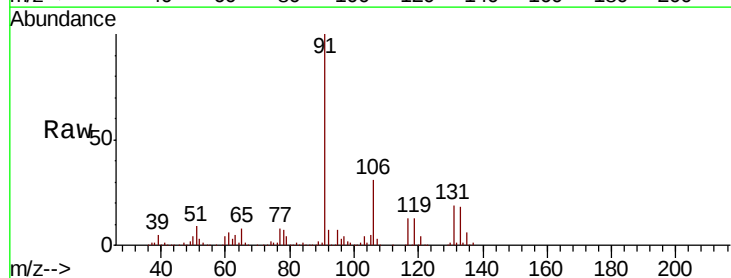
Tgt Ion:131 Resp: 208764

Ion Ratio Lower Upper

131 100

133 94.5 47.6 142.9

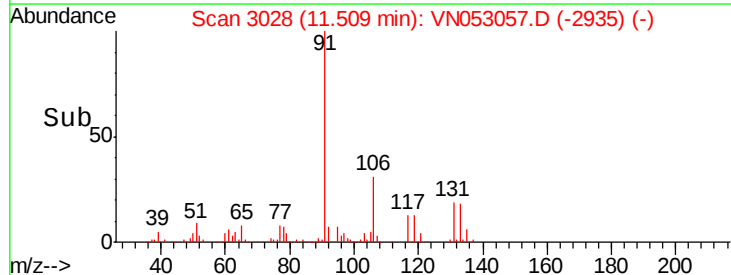
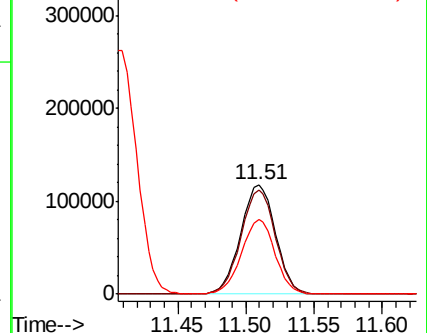
119 66.0 33.3 99.8

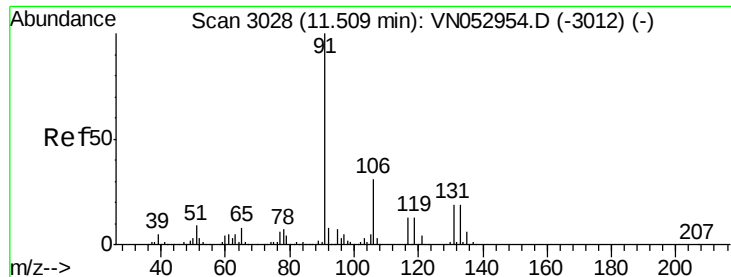


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

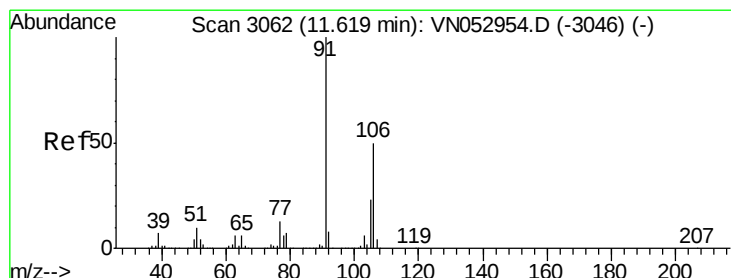
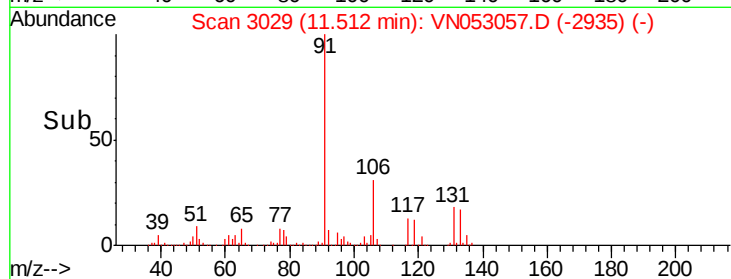
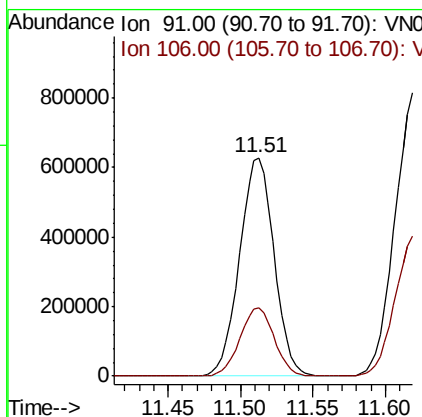
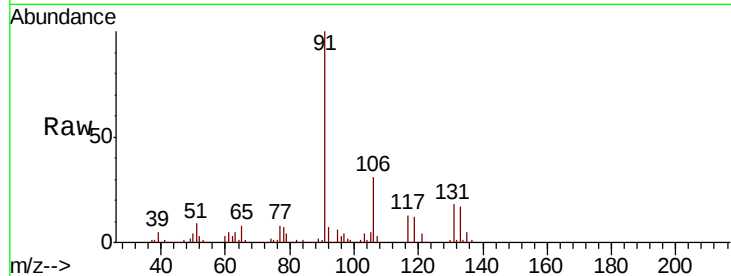




#67  
Ethyl Benzene  
Concen: 19.483 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

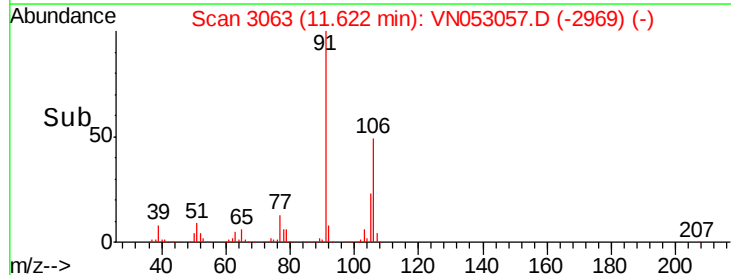
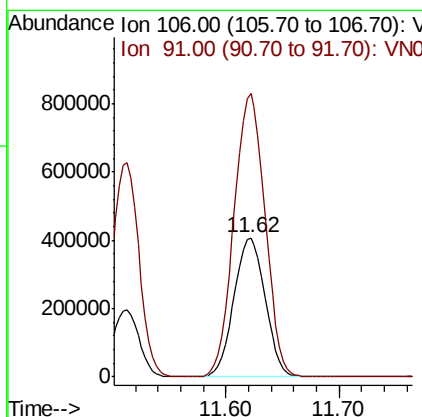
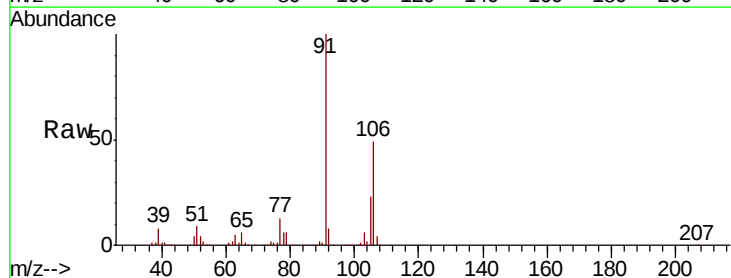
Instrument :  
MSVOA\_N  
ClientSampled :  
VN1220WBSD01

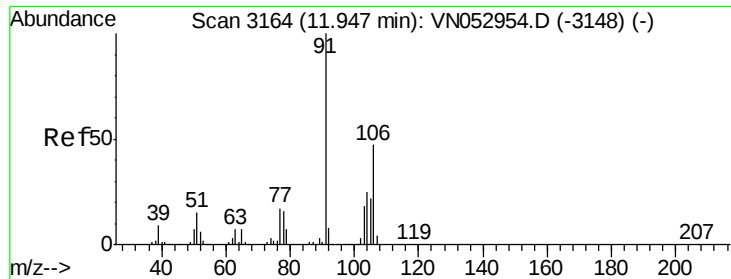
Tot Ion: 91 Resp: 1037078  
Ion Ratio Lower Upper  
91 100  
106 31.2 24.9 37.3



#68  
m/p-Xylenes  
Concen: 38.812 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion: 106 Resp: 785394  
Ion Ratio Lower Upper  
106 100  
91 202.4 162.2 243.4

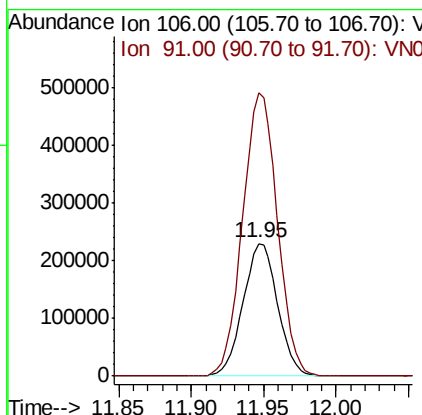
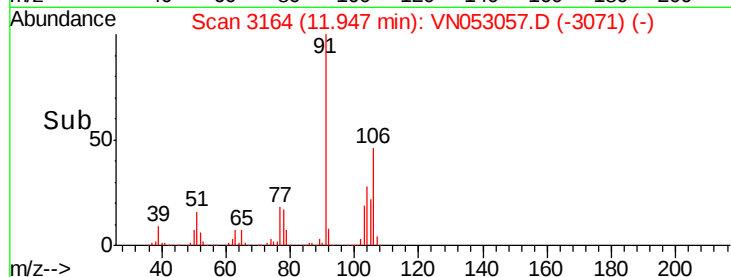
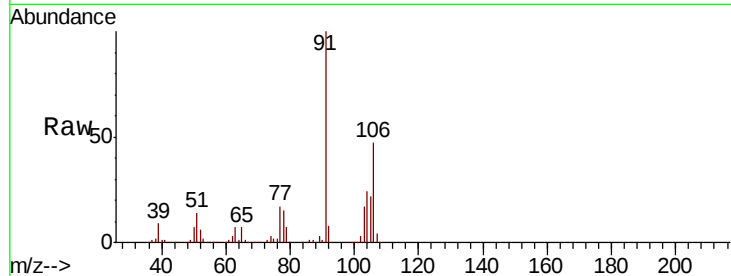




#69  
o-Xylene  
Concen: 19.621 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

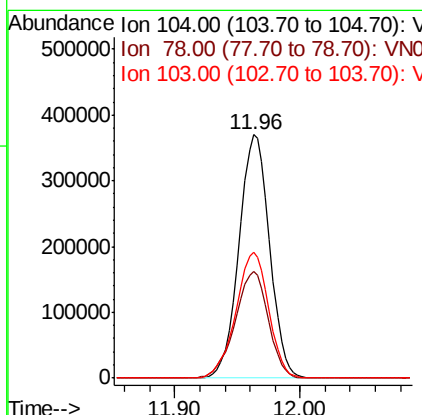
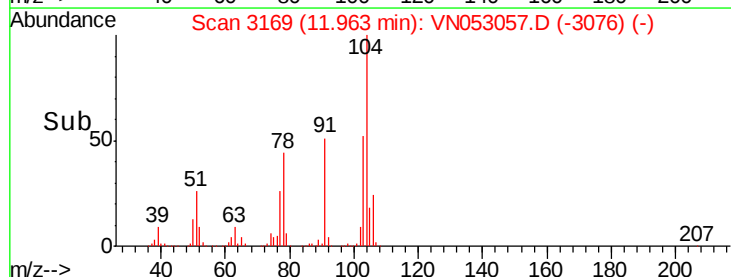
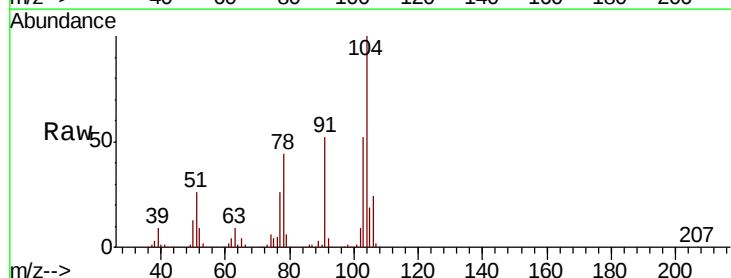
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

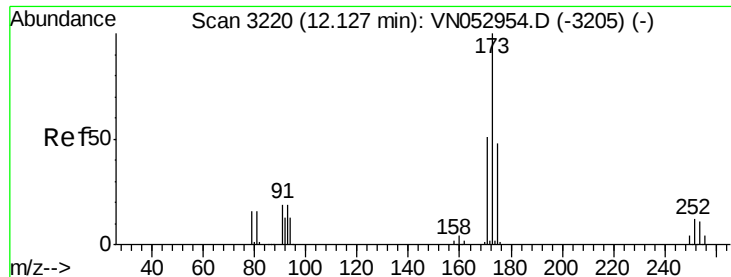
Tot Ion:106 Resp: 380996  
Ion Ratio Lower Upper  
106 100  
91 215.3 106.6 319.8



#70  
Styrene  
Concen: 19.794 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion:104 Resp: 626744  
Ion Ratio Lower Upper  
104 100  
78 47.5 38.9 58.3  
103 55.4 44.3 66.5

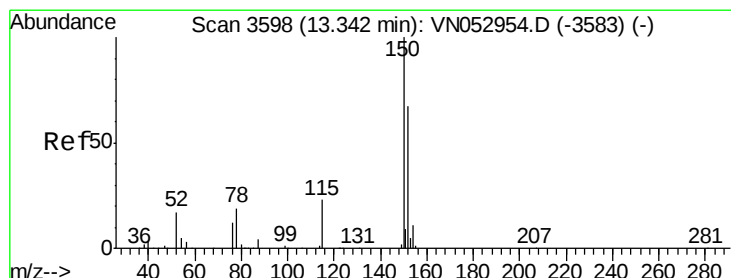
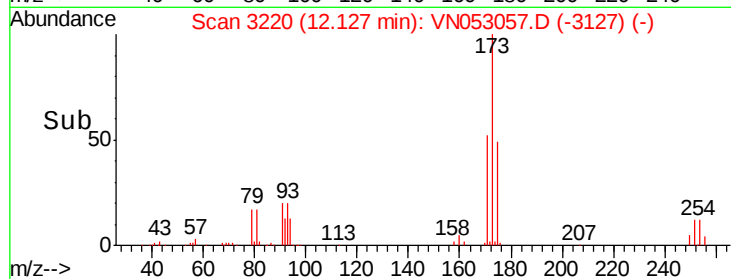
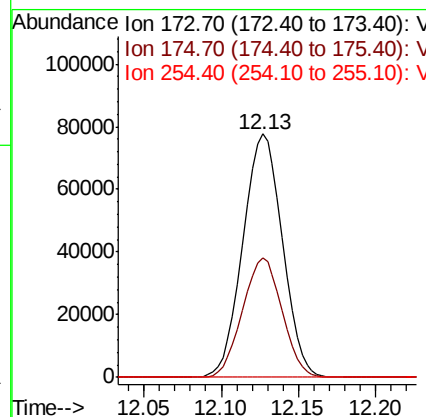
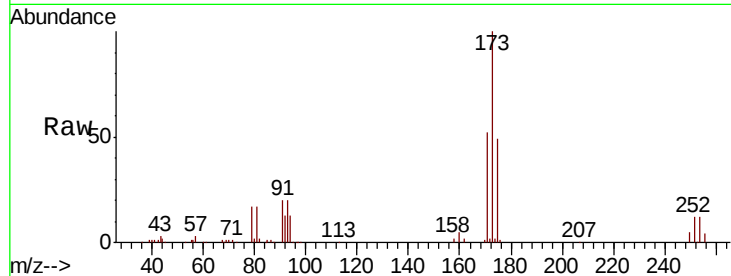




#71  
Bromoform  
Concen: 17.790 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

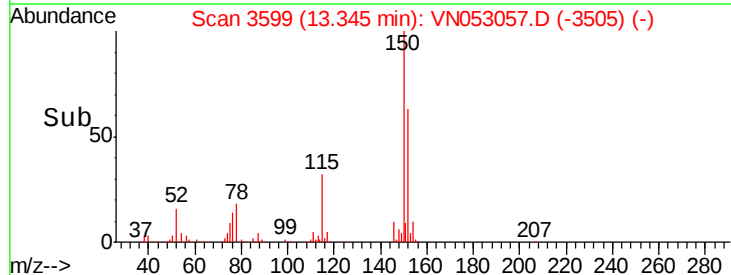
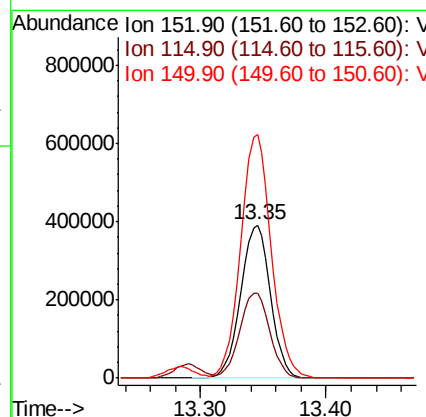
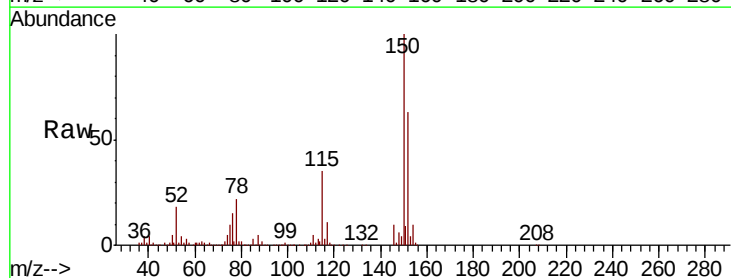
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

Tot Ion:173 Resp: 138330  
Ion Ratio Lower Upper  
173 100  
175 49.1 24.3 72.9  
254 0.0 0.1 0.1#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion:152 Resp: 643502  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.3 85.0  
150 164.2 0.0 347.8





#73

Isopropylbenzene

Concen: 20.094 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

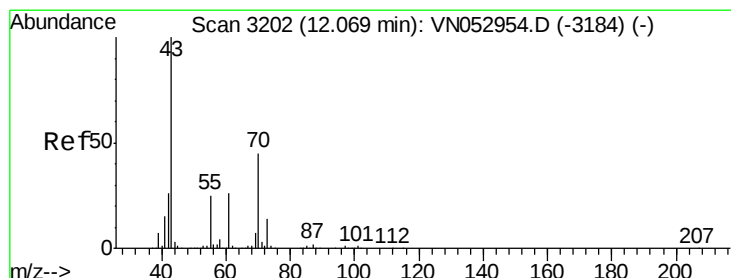
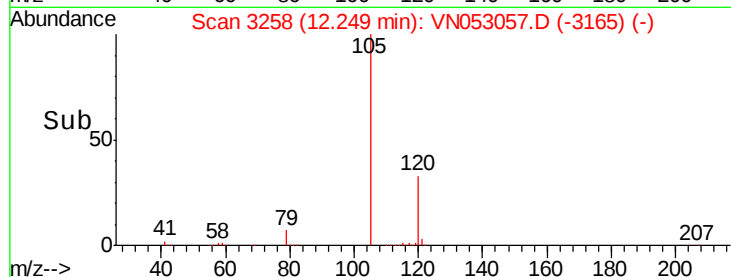
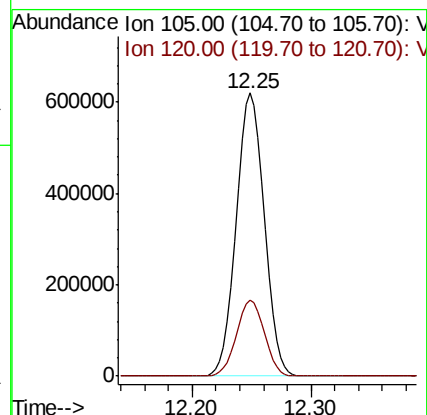
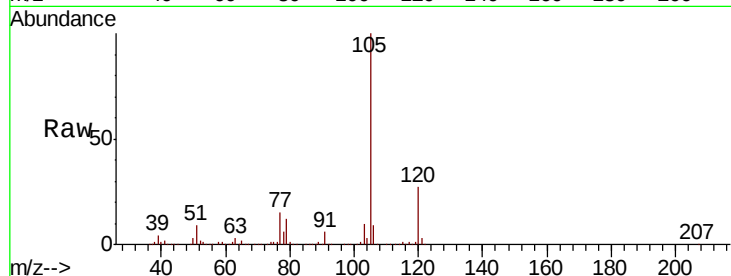
VN1220WBSD01

Tot Ion:105 Resp: 1011723

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 20.680 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Tgt Ion: 43 Resp: 289077

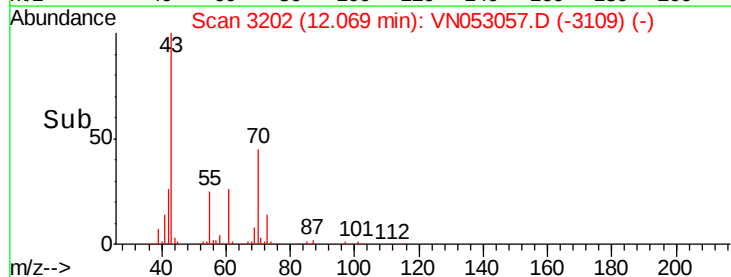
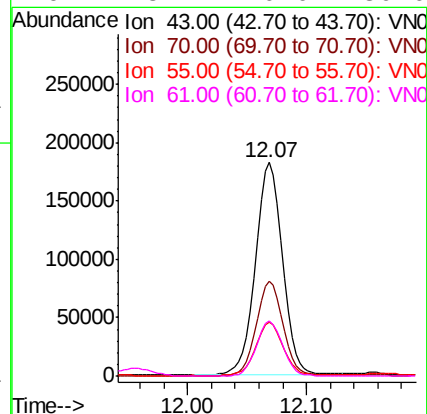
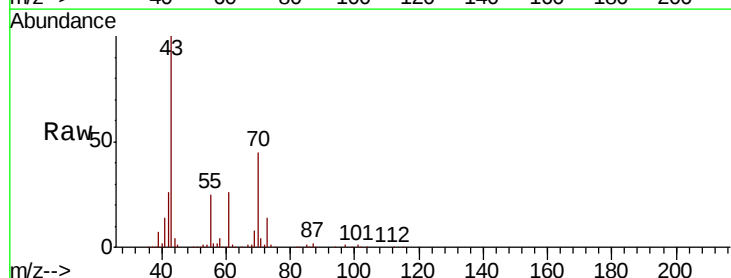
Ion Ratio Lower Upper

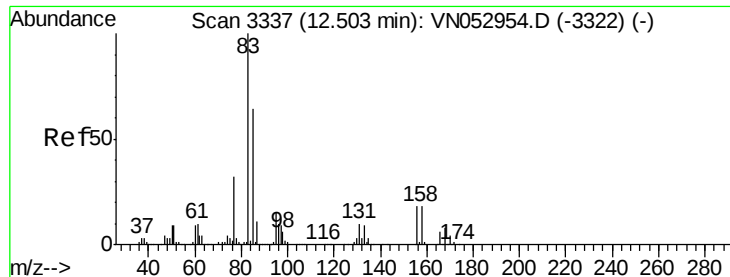
43 100

70 43.5 34.2 51.4

55 25.2 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.666 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

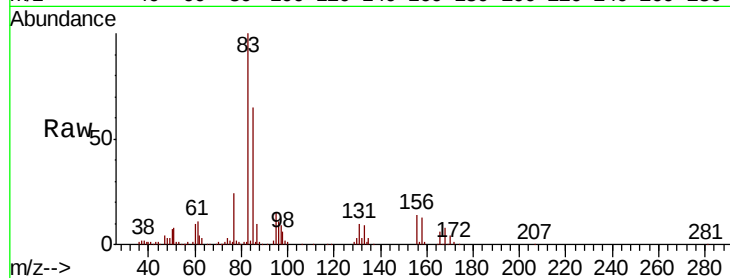
Tot Ion: 83 Resp: 214010

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

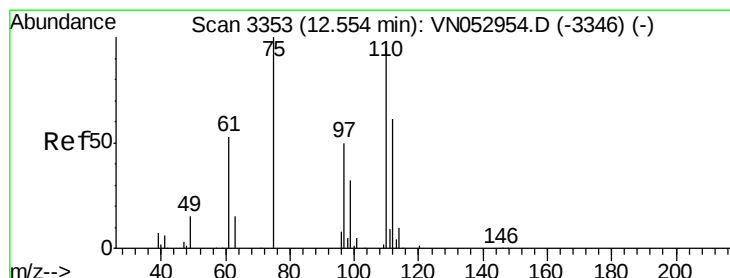
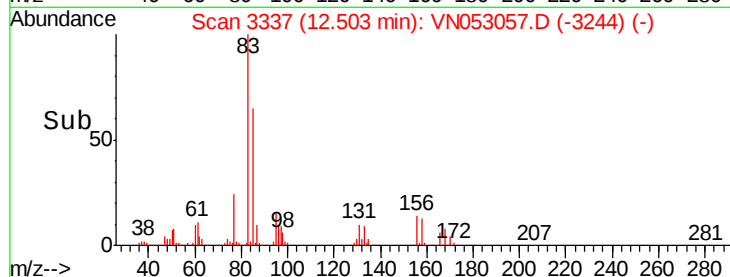
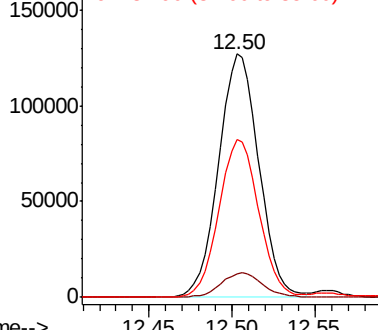
85 64.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.466 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053057.D

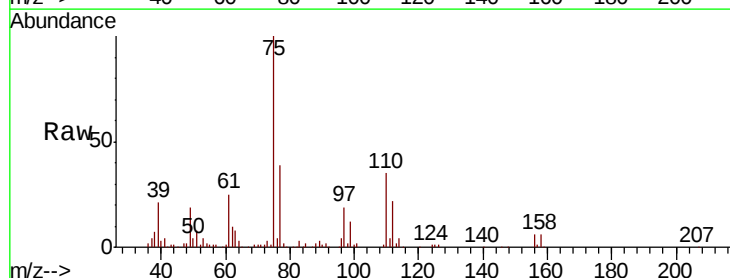
Acq: 20 Dec 2018 15:28

Tgt Ion: 75 Resp: 286693

Ion Ratio Lower Upper

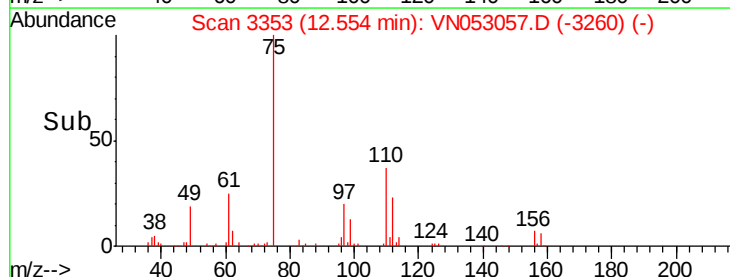
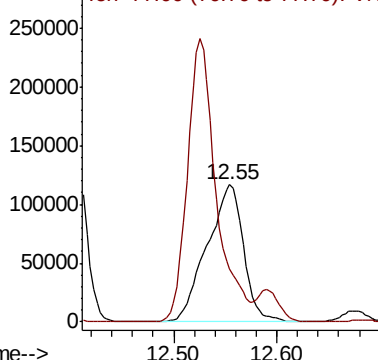
75 100

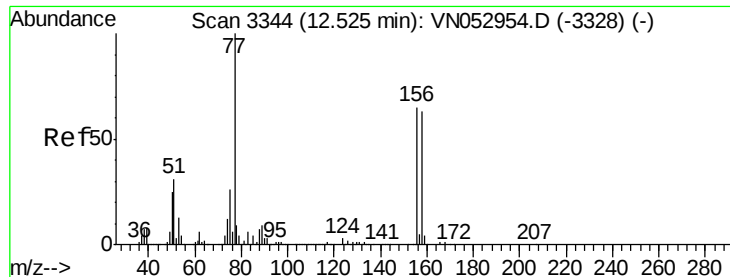
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.761 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

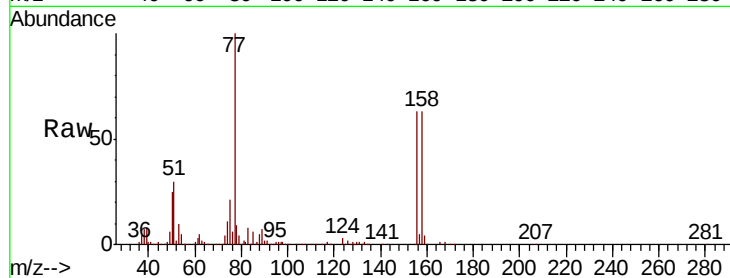
Tot Ion:156 Resp: 258626

Ion Ratio Lower Upper

156 100

77 180.9 91.3 273.8

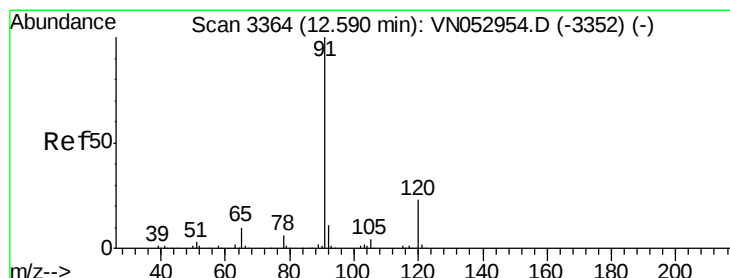
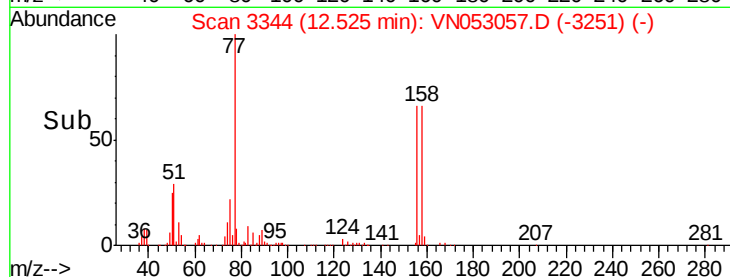
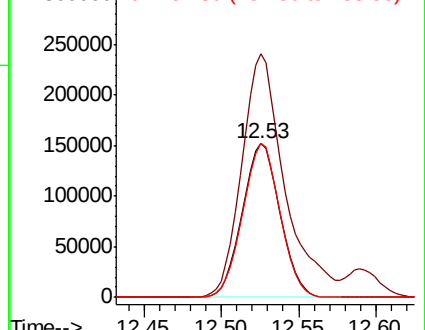
158 98.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.679 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053057.D

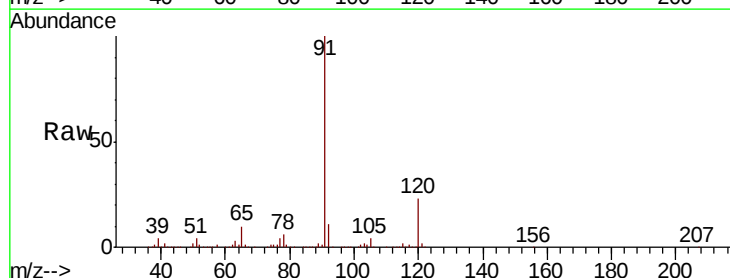
Acq: 20 Dec 2018 15:28

Tgt Ion: 91 Resp: 1128432

Ion Ratio Lower Upper

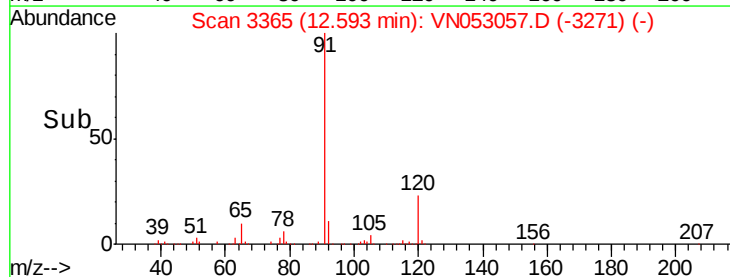
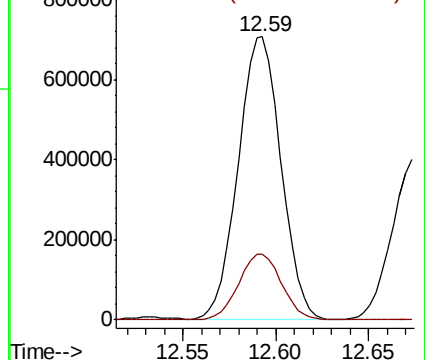
91 100

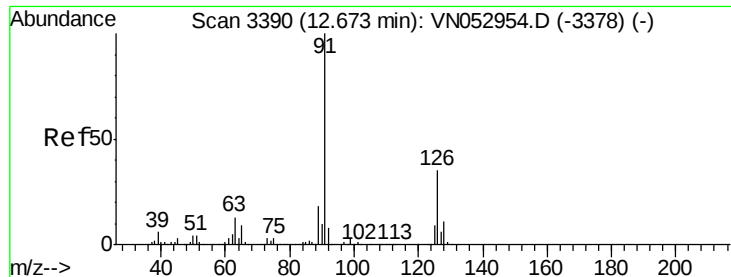
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.031 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

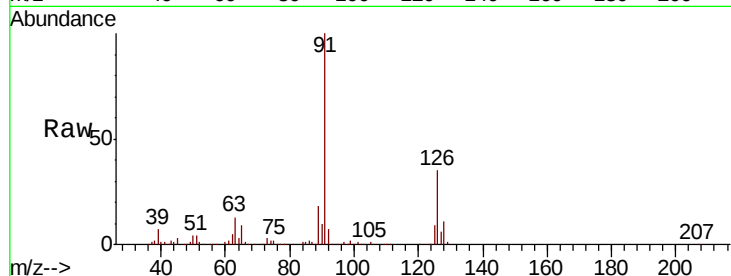
VN1220WBSD01

Tot Ion: 91 Resp: 676431

Ion Ratio Lower Upper

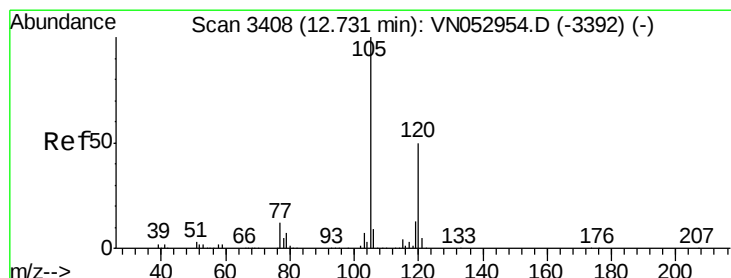
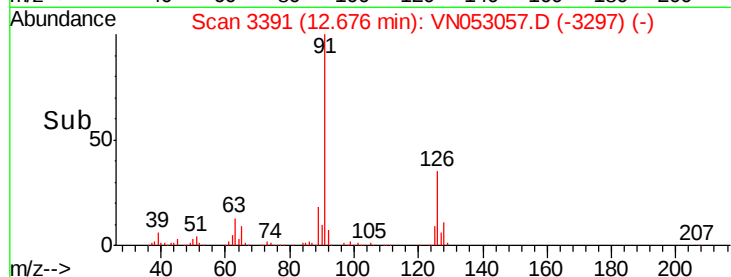
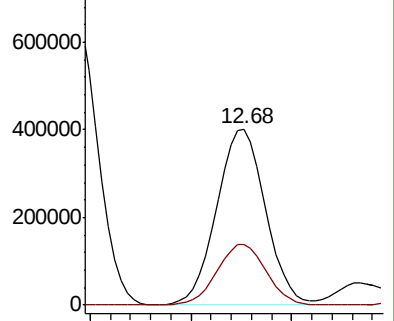
91 100

126 35.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.757 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053057.D

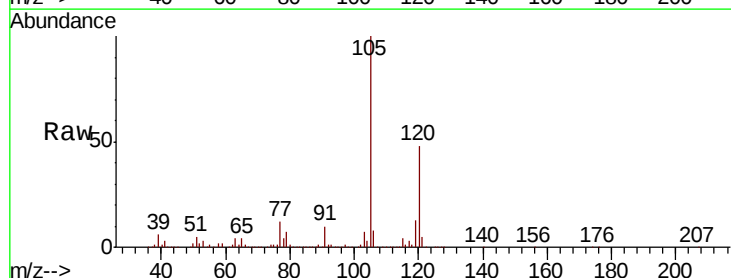
Acq: 20 Dec 2018 15:28

Tgt Ion: 105 Resp: 810785

Ion Ratio Lower Upper

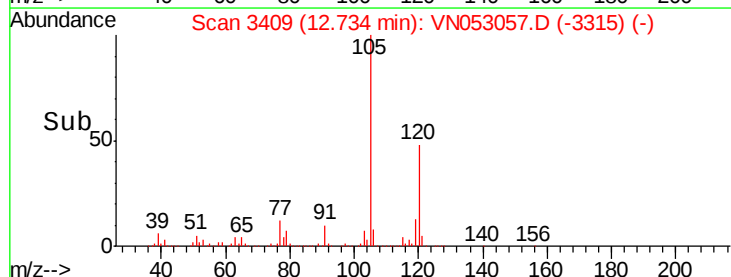
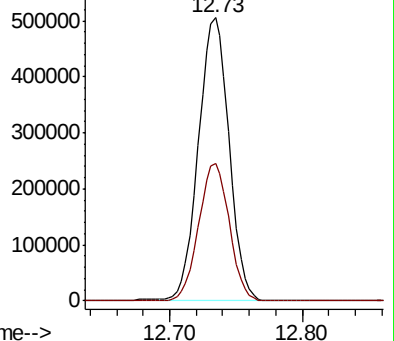
105 100

120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.650 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

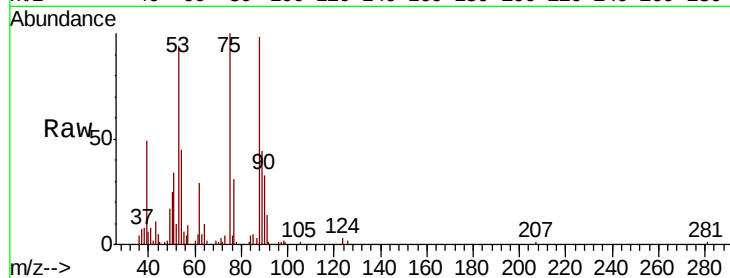
Tot Ion: 75 Resp: 59322

Ion Ratio Lower Upper

75 100

53 94.7 74.7 112.1

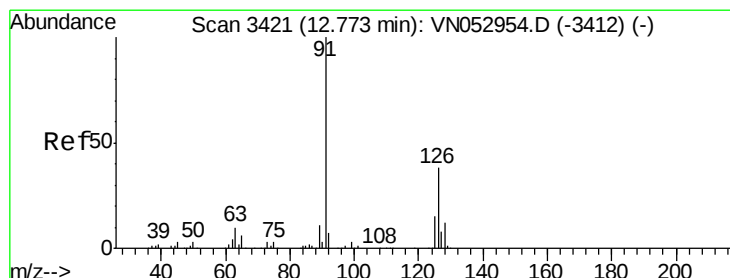
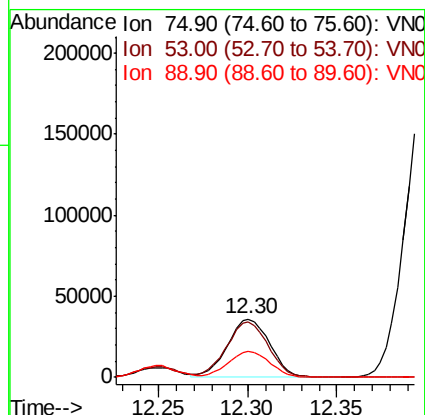
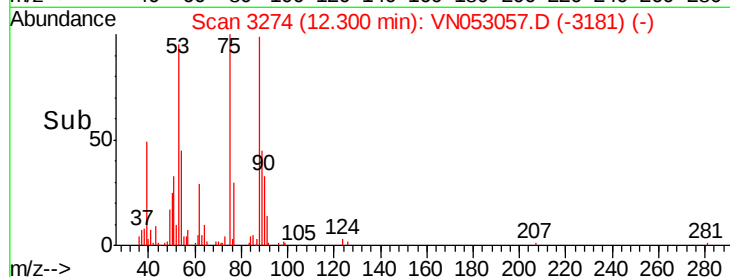
89 44.1 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.668 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053057.D

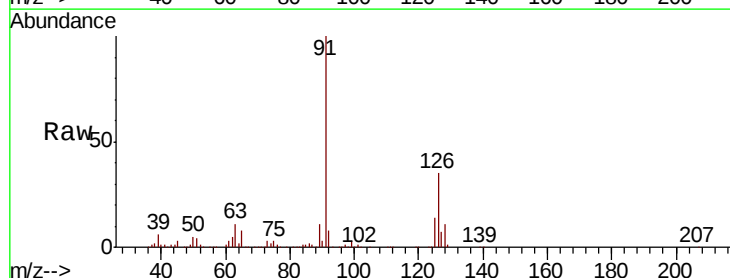
Acq: 20 Dec 2018 15:28

Tgt Ion: 91 Resp: 684340

Ion Ratio Lower Upper

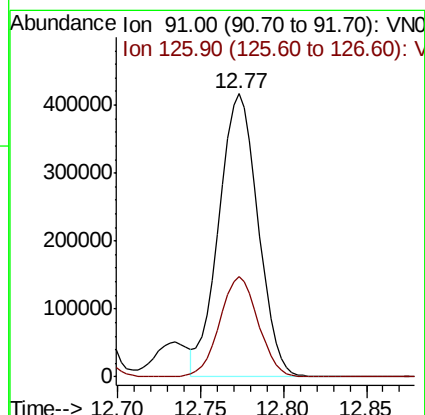
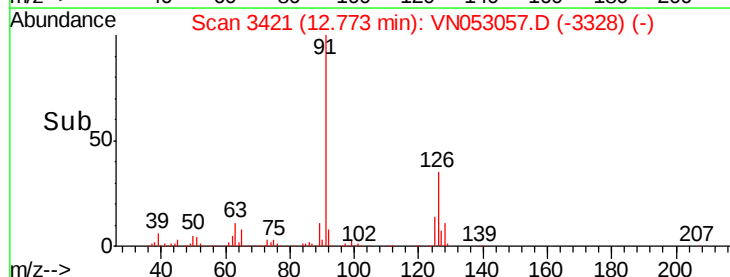
91 100

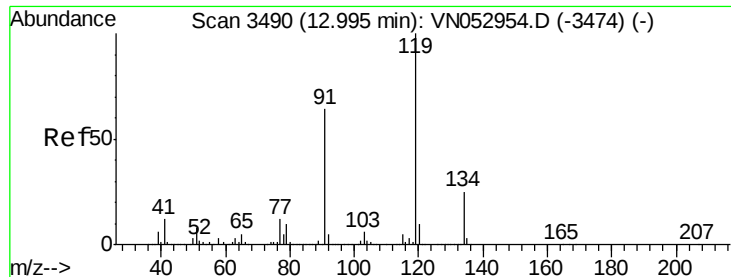
126 34.7 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

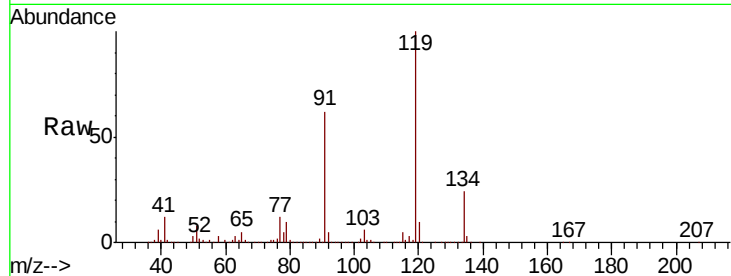




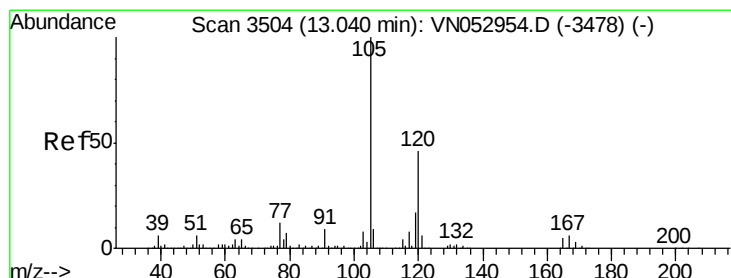
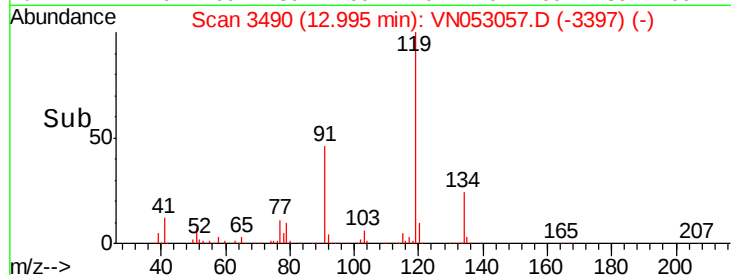
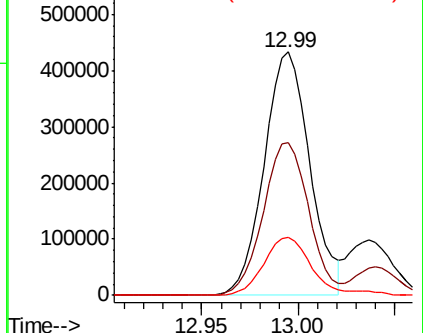
#83  
tert-Butylbenzene  
Concen: 19.642 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1220WBSD01

Tot Ion:119 Resp: 712918  
Ion Ratio Lower Upper  
119 100  
91 62.4 31.9 95.5  
134 25.4 12.8 38.4

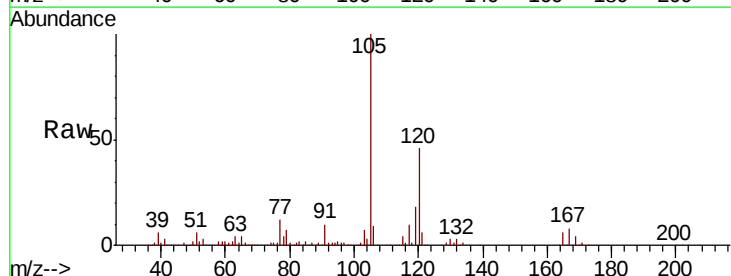


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

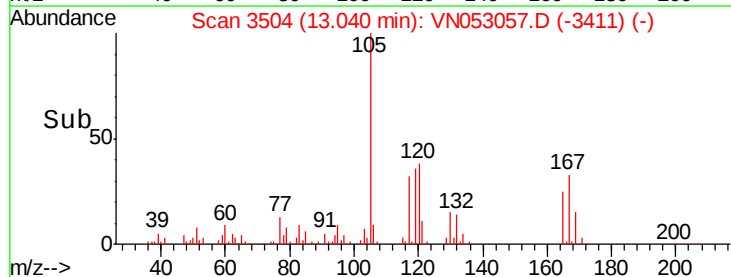
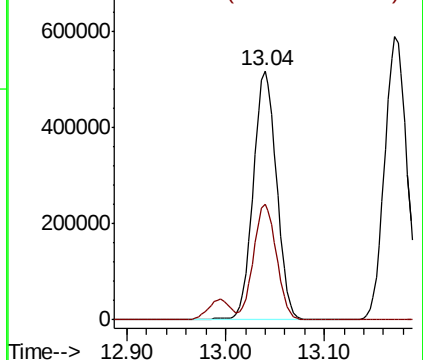


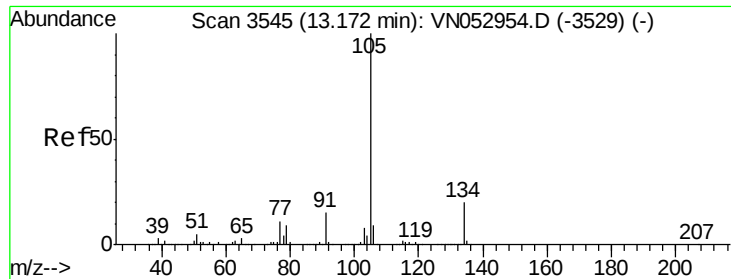
#84  
1,2,4-Trimethylbenzene  
Concen: 20.357 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. -0.00 min  
Lab File: VN053057.D  
Acq: 20 Dec 2018 15:28

Tgt Ion:105 Resp: 839814  
Ion Ratio Lower Upper  
105 100  
120 46.0 22.9 68.8



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

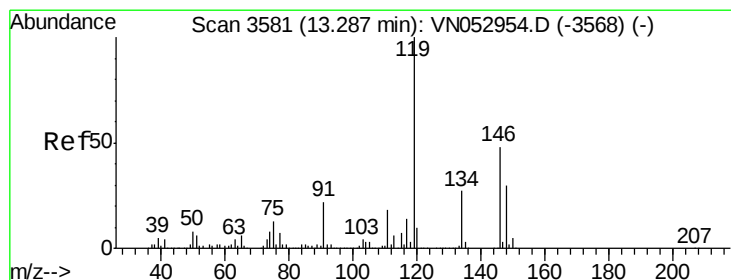
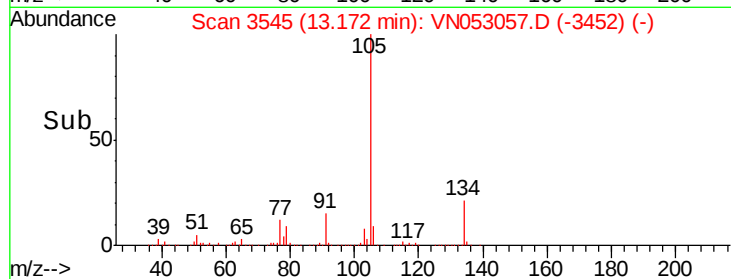
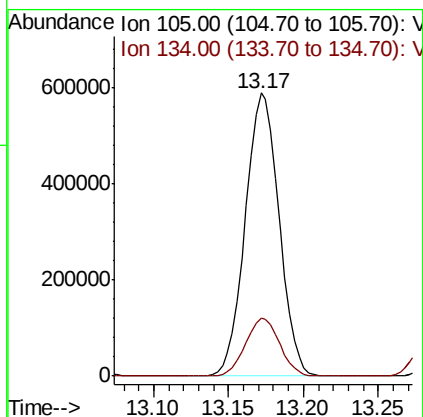
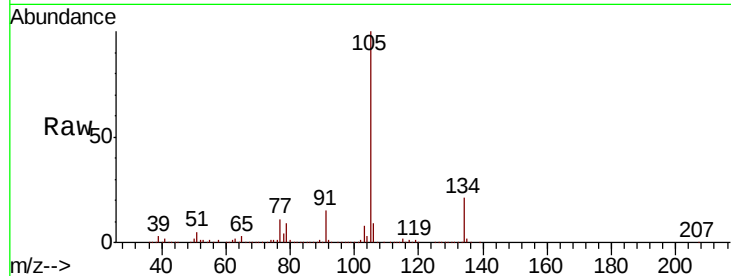




#85  
 sec-Butylbenzene  
 Concen: 18.870 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. -0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

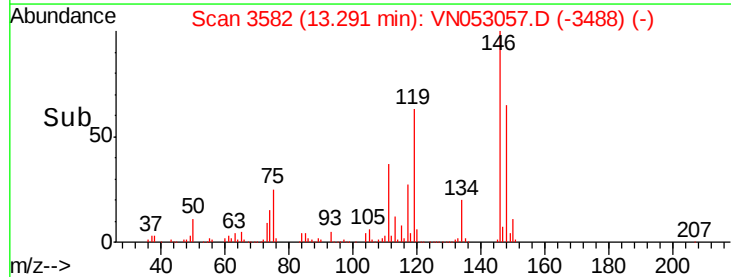
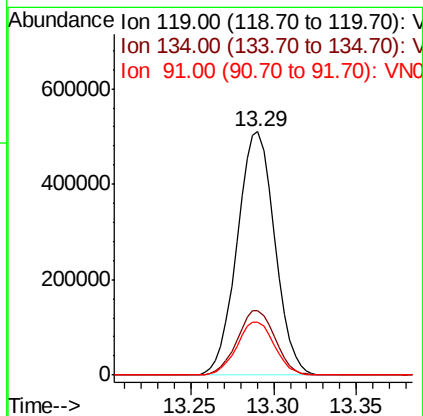
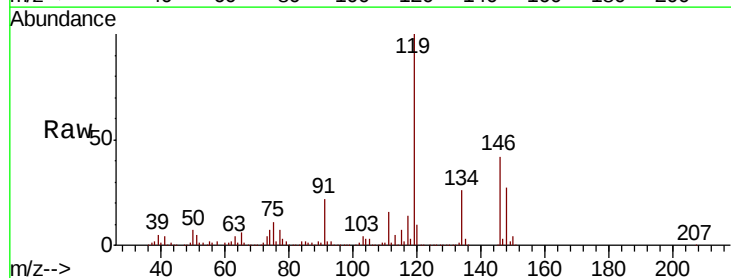
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

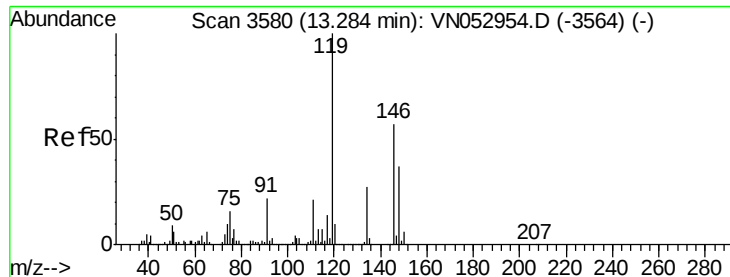
Tot Ion:105 Resp: 926345  
 Ion Ratio Lower Upper  
 105 100  
 134 20.7 10.1 30.3



#86  
 p-Isopropyltoluene  
 Concen: 18.880 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Tgt Ion:119 Resp: 800877  
 Ion Ratio Lower Upper  
 119 100  
 134 26.6 13.4 40.2  
 91 21.8 11.1 33.3

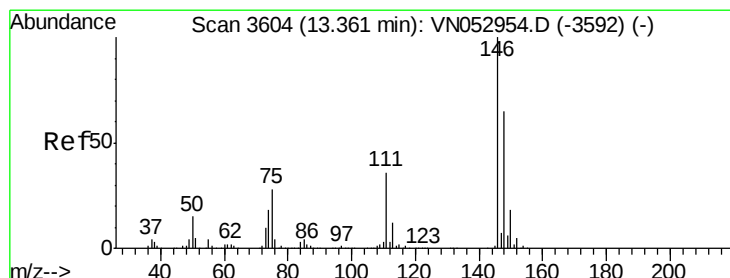
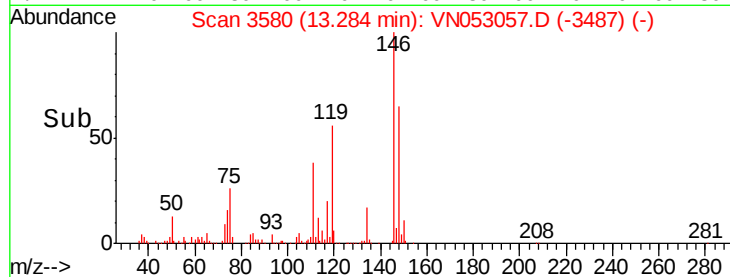
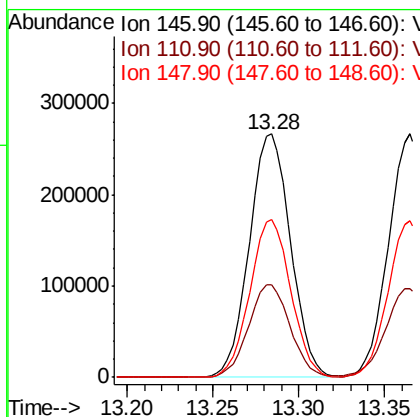
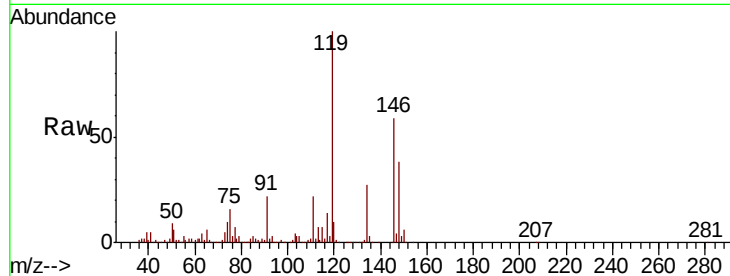




#87  
 1,3-Dichlorobenzene  
 Concen: 19.120 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

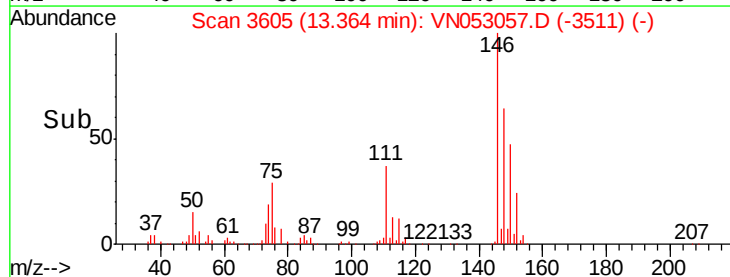
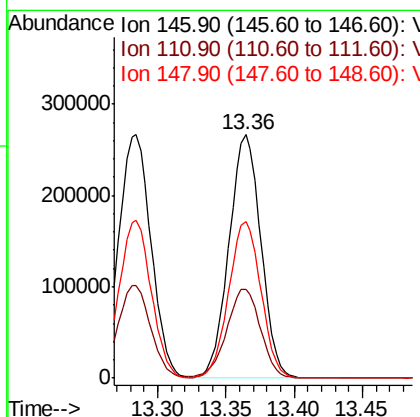
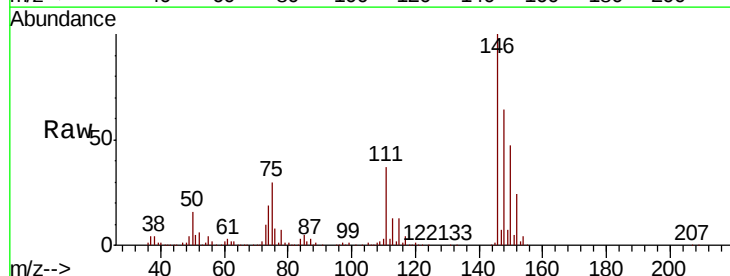
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

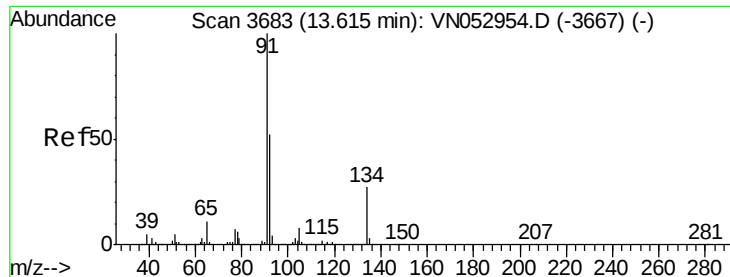
Tot Ion:146 Resp: 442894  
 Ion Ratio Lower Upper  
 146 100  
 111 38.0 19.1 57.1  
 148 64.1 32.0 96.0



#88  
 1,4-Dichlorobenzene  
 Concen: 18.464 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

Tgt Ion:146 Resp: 433132  
 Ion Ratio Lower Upper  
 146 100  
 111 38.9 18.6 55.8  
 148 65.0 32.1 96.5





#89

n-Butylbenzene

Concen: 17.490 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampled :

VN1220WBSD01

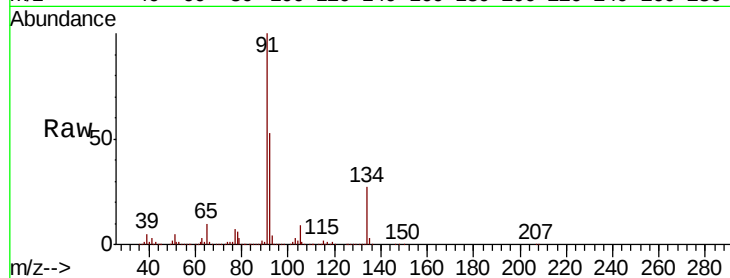
Tot Ion: 91 Resp: 638293

Ion Ratio Lower Upper

91 100

92 52.6 26.3 78.9

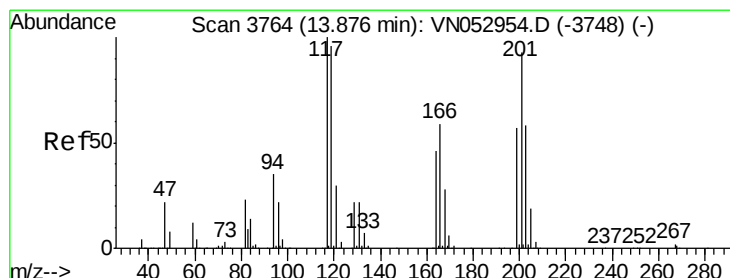
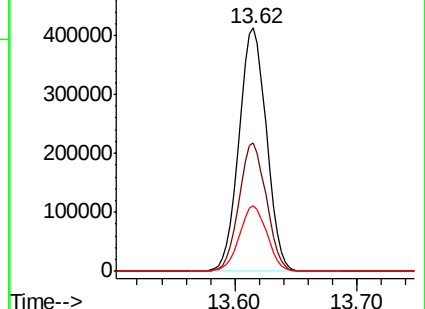
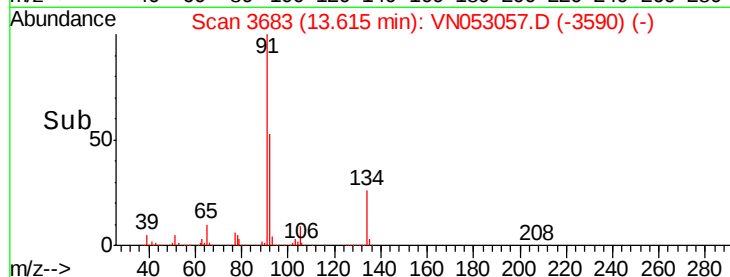
134 27.2 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 17.348 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053057.D

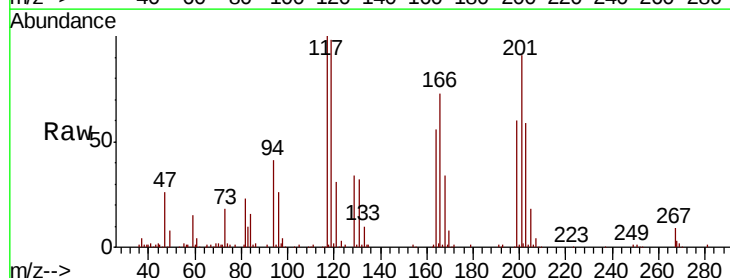
Acq: 20 Dec 2018 15:28

Tgt Ion: 117 Resp: 112928

Ion Ratio Lower Upper

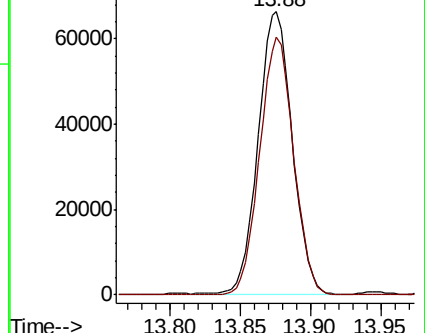
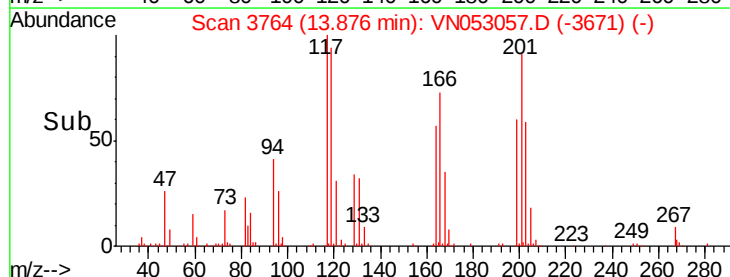
117 100

201 89.5 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 19.453 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

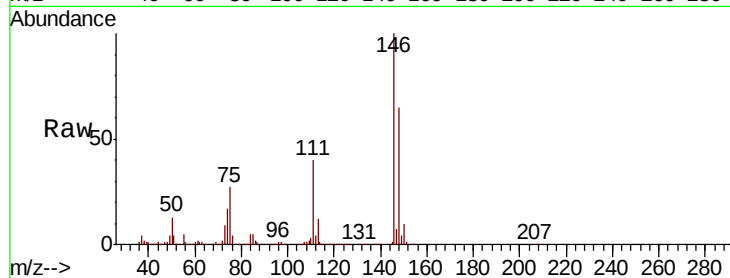
Tot Ion:146 Resp: 424078

Ion Ratio Lower Upper

146 100

111 40.0 19.7 59.0

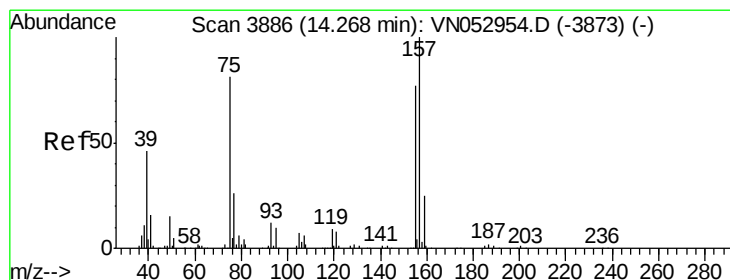
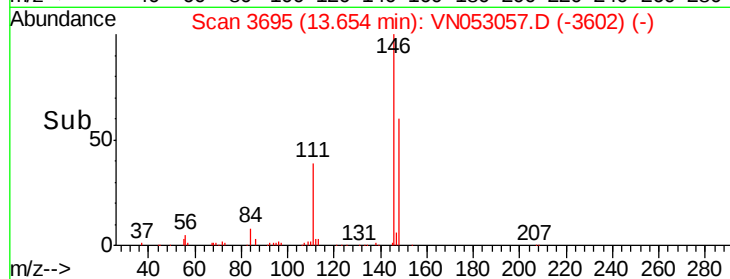
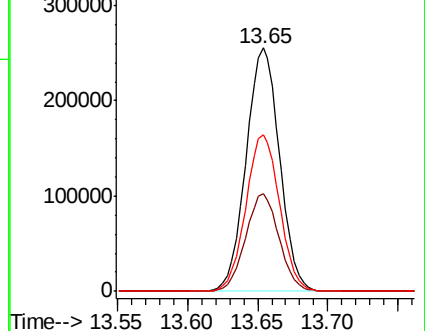
148 65.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.890 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

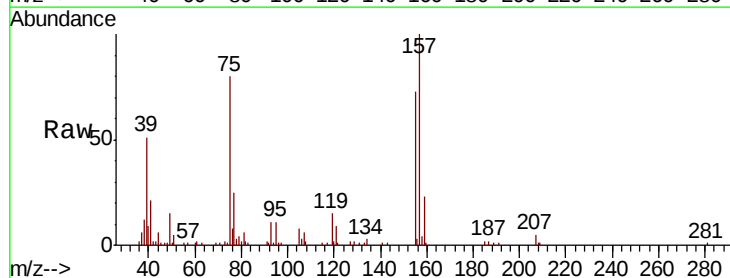
Tgt Ion: 75 Resp: 32262

Ion Ratio Lower Upper

75 100

155 94.7 48.2 144.6

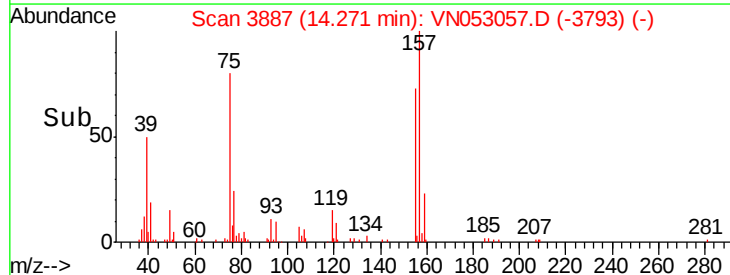
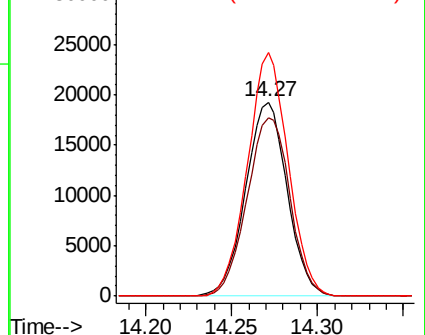
157 122.8 61.2 183.5

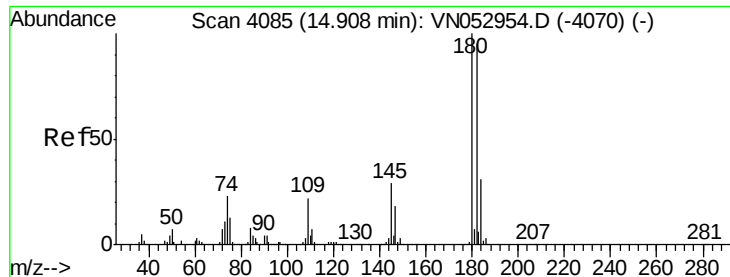


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

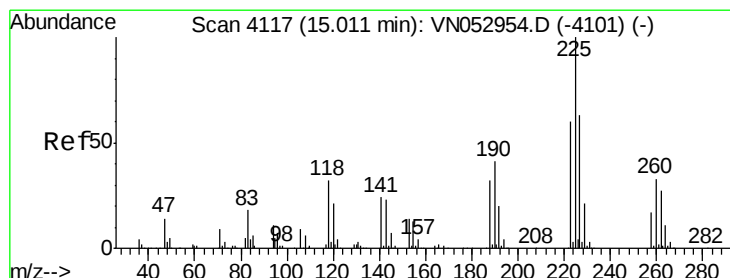
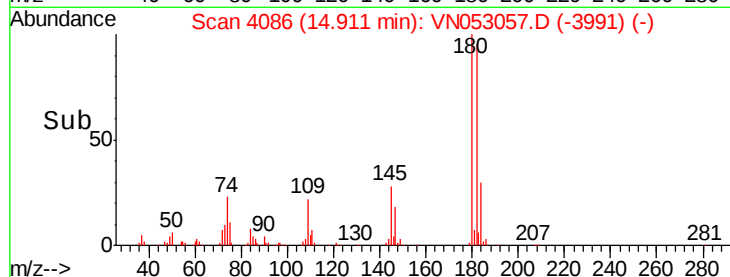
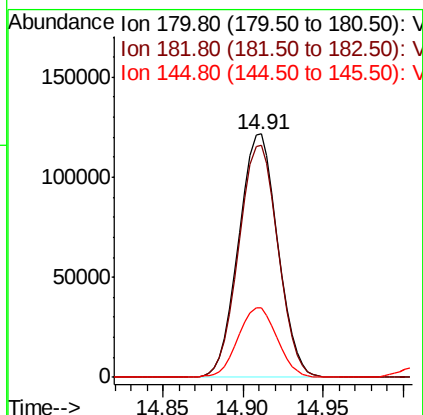
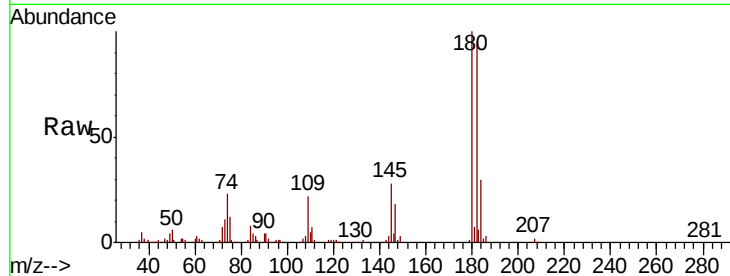




#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.889 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

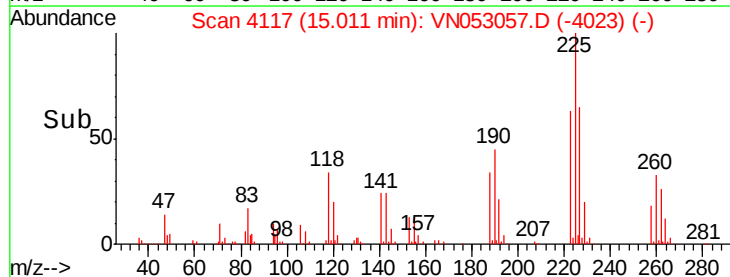
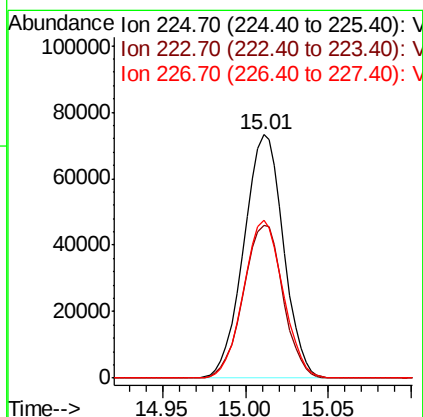
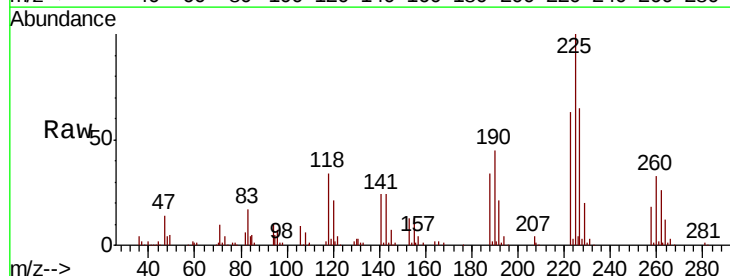
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1220WBSD01

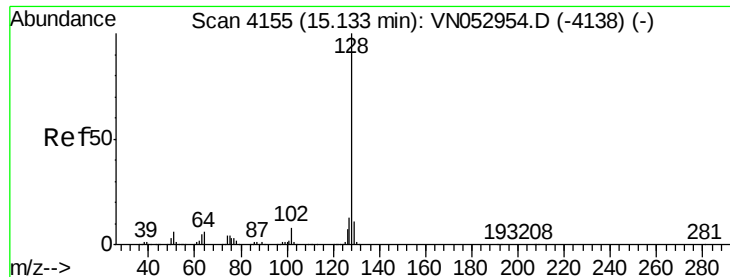
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.8  | 143.3 |
| 145     | 28.8  | 14.2  | 42.6  |



#94  
 Hexachlorobutadiene  
 Concen: 18.537 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053057.D  
 Acq: 20 Dec 2018 15:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.0  | 31.5  | 94.5  |
| 227     | 64.5  | 31.9  | 95.7  |





#95

Naphthalene

Concen: 18.067 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

Instrument :

MSVOA\_N

ClientSampleId :

VN1220WBSD01

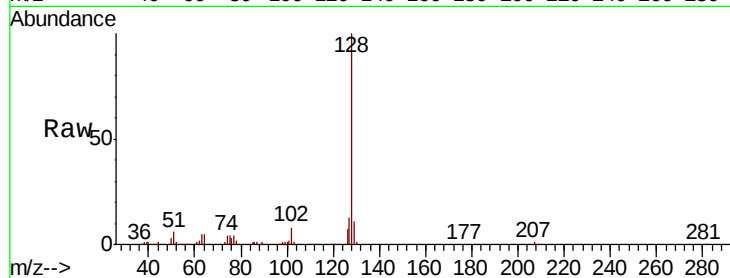
Tot Ion:128 Resp: 438151

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13

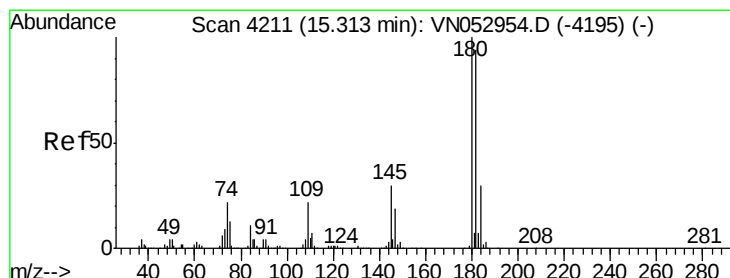
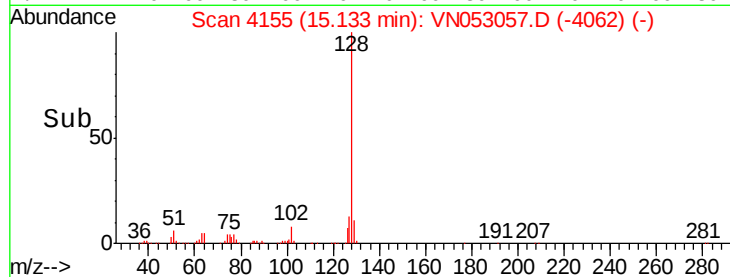
300000

200000

100000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 17.722 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053057.D

Acq: 20 Dec 2018 15:28

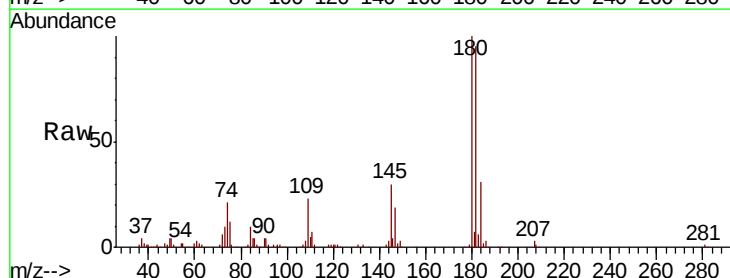
Tgt Ion:180 Resp: 180883

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 30.1 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.32

100000

50000

0

Time-->

