

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\  
 Data File : VN052928.D  
 Acq On : 17 Dec 2018 15:37  
 Operator : MD\SY  
 Sample : VN1217WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

Quant Time: Dec 18 04:44:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 13 01:08:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1046647  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1631663  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1440845  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 677416   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 561103   | 50.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.84% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 457987   | 50.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.56% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1980621  | 50.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.32% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 675931   | 50.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.02% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 206212   | 19.139  | ug/l  | 99     |
| 3) Chloromethane              | 2.06 | 50   | 252103   | 19.496  | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.19 | 62   | 248654   | 19.220  | ug/l  | 100    |
| 5) Bromomethane               | 2.57 | 94   | 154110   | 19.314  | ug/l  | 98     |
| 6) Chloroethane               | 2.71 | 64   | 146351   | 19.139  | ug/l  | 98     |
| 7) Trichlorofluoromethane     | 3.03 | 101  | 308077   | 19.208  | ug/l  | 98     |
| 8) Diethyl Ether              | 3.41 | 74   | 115433   | 19.730  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101  | 193445   | 19.460  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.96 | 142  | 278631   | 20.015  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 4.77 | 59   | 58755    | 94.487  | ug/l  | 98     |
| 12) 1,1-Dichloroethene        | 3.74 | 96   | 186843   | 19.417  | ug/l  | 99     |
| 13) Acrolein                  | 3.61 | 56   | 28619    | 48.883  | ug/l  | 100    |
| 14) Allyl chloride            | 4.33 | 41   | 294224   | 18.720  | ug/l  | 99     |
| 15) Acrylonitrile             | 4.99 | 53   | 343543   | 98.478  | ug/l  | 99     |
| 16) Acetone                   | 3.81 | 43   | 231302   | 92.541  | ug/l  | 100    |
| 17) Carbon Disulfide          | 4.06 | 76   | 560714   | 18.968  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.32 | 43   | 194937   | 21.251  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 5.04 | 73   | 514726   | 19.703  | ug/l  | 97     |
| 20) Methylene Chloride        | 4.55 | 84   | 214470   | 19.067  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96   | 195416   | 18.744  | ug/l  | 97     |
| 22) Diisopropyl ether         | 5.95 | 45   | 661824   | 19.738  | ug/l  | 99     |
| 23) Vinyl Acetate             | 5.90 | 43   | 2072575  | 103.877 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 379303   | 19.616  | ug/l  | 100    |
| 25) 2-Butanone                | 6.83 | 43   | 356539   | 91.932  | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77   | 257731   | 18.100  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 230224   | 19.457  | ug/l  | 100    |
| 28) Bromochloromethane        | 7.19 | 49   | 187833   | 21.633  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 7.21 | 42   | 251172   | 94.866  | ug/l  | 100    |
| 30) Chloroform                | 7.37 | 83   | 366375   | 19.430  | ug/l  | 98     |
| 31) Cyclohexane               | 7.66 | 56   | 361706   | 18.818  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 304435   | 19.297  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 282872   | 18.826  | ug/l  | 99     |
| 37) Ethyl Acetate             | 6.93 | 43   | 165026   | 18.283  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 7.78 | 117  | 259424   | 18.758  | ug/l  | 98     |

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 Sample : VN1217WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

Quant Time: Dec 18 04:44:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 13 01:08:35 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 342464   | 18.573  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 866498   | 19.214  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.17  | 41   | 110778   | 22.150  | ug/l   | 87       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 256157   | 18.868  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 468069   | 25.292  | ug/l # | 87       |
| 44) Trichloroethene            | 8.84  | 130  | 234425   | 19.245  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 231678   | 19.614  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 131066   | 19.133  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 281226   | 19.797  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 159780   | 19.687  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 30094    | 326.674 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 816114   | 96.172  | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 534554   | 19.571  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 295775   | 20.691  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 333033   | 19.551  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 186936   | 19.173  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 257899   | 20.611  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 326060   | 19.501  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 707308   | 101.307 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 552957   | 95.081  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 204830   | 19.438  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 187281   | 19.432  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 246321   | 19.891  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.43 | 112  | 584256   | 19.545  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 207842   | 19.992  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 1004693  | 19.572  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 762426   | 39.554  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 373716   | 19.855  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 615889   | 20.355  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 134855   | 19.094  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 987930   | 19.533  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 304453   | 21.926  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 219660   | 19.378  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 285428   | 28.558  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 256059   | 19.904  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 1123916  | 19.484  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 661227   | 19.390  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 805970   | 19.740  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 65276    | 20.981  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 680630   | 19.521  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 713333   | 19.806  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 821952   | 19.886  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 951604   | 19.509  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 829817   | 19.636  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 439593   | 19.229  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 439902   | 19.431  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 704267   | 19.797  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 117058   | 16.542  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 428447   | 19.483  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 35775    | 20.937  | ug/l   | 97       |

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Sample : VN1217WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 15 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

Quant Time: Dec 18 04:44:54 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 13 01:08:35 2018  
Response via : Initial Calibration

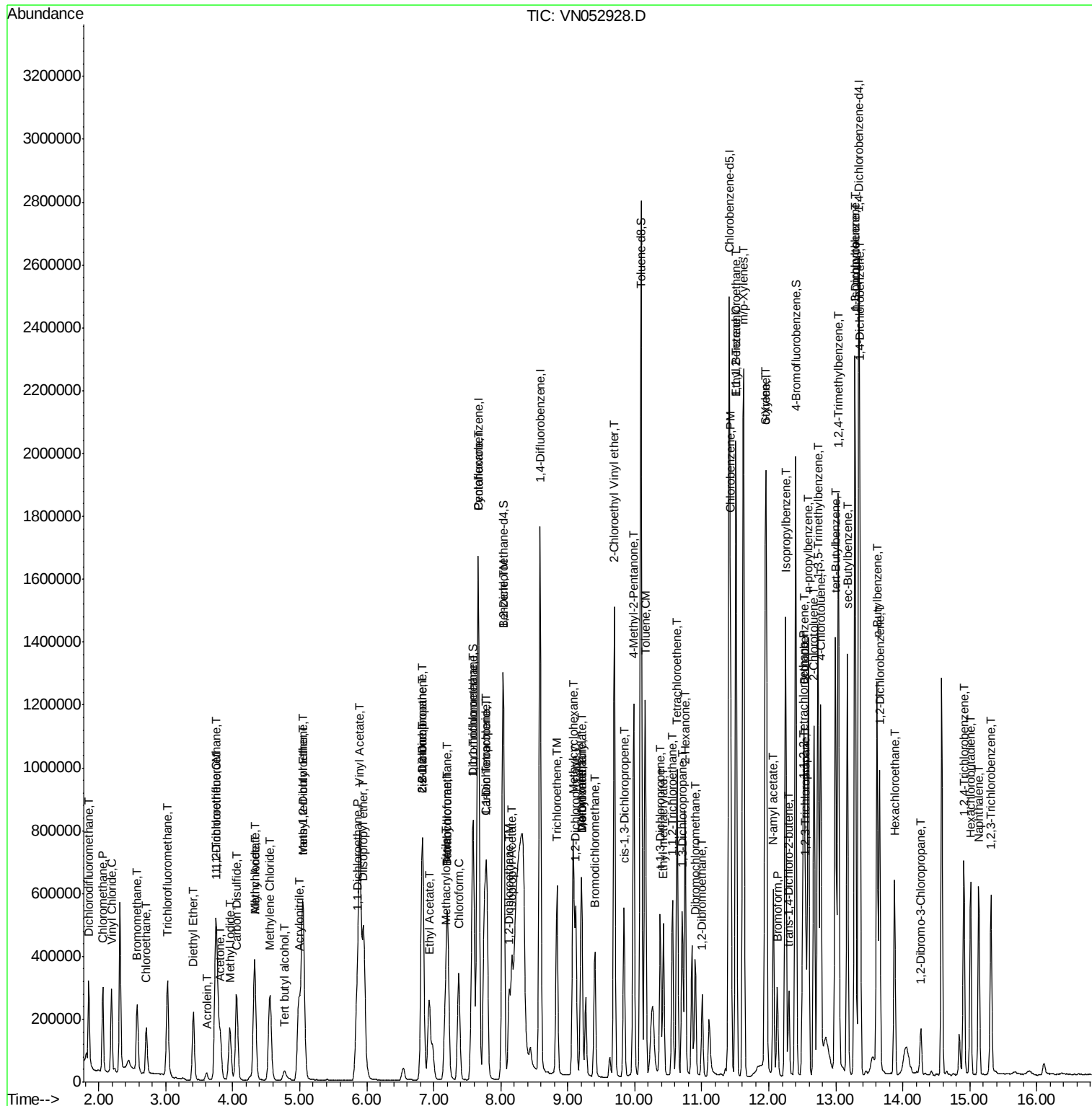
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 236808   | 19.810 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 130397   | 18.846 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 525523   | 21.226 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 208253   | 18.986 | ug/l  | 99       |

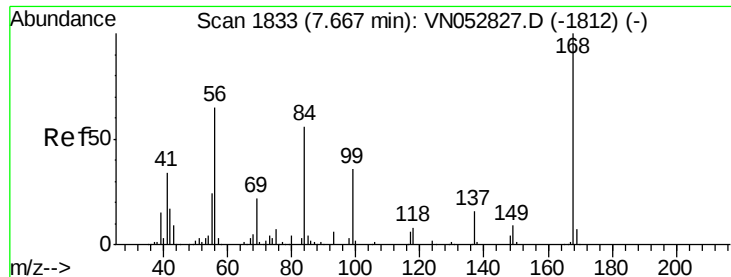
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 Sample : VN1217WBSD01  
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 ALS Vial : 15 Sample Multiplier: 28

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: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

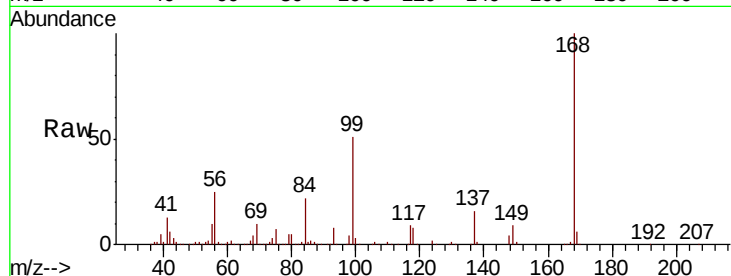
VN1217WBSD01

Tot Ion:168 Resp: 1046647

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

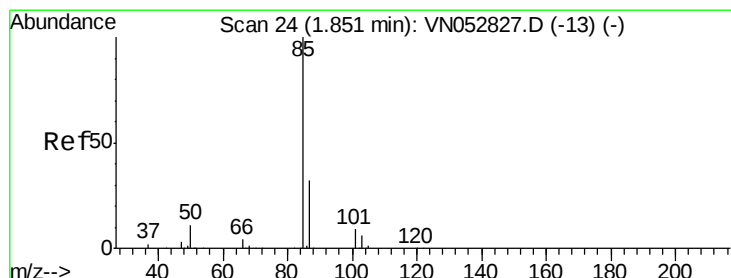
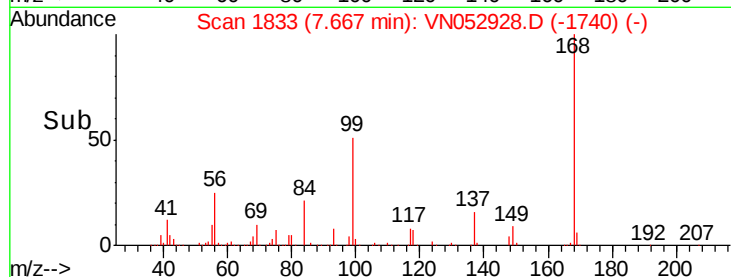
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.139 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052928.D

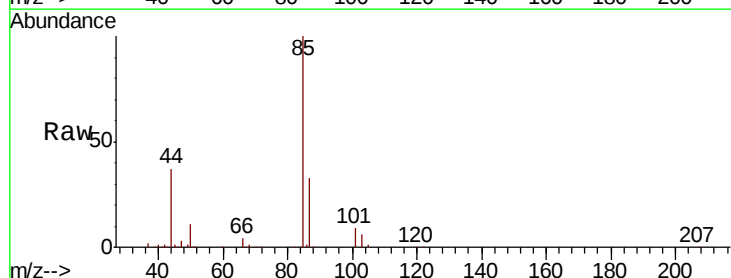
Acq: 17 Dec 2018 15:37

Tgt Ion: 85 Resp: 206212

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

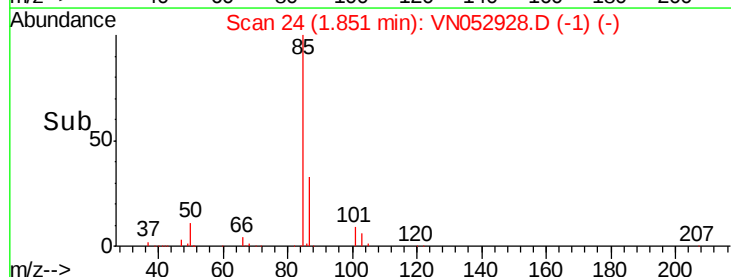
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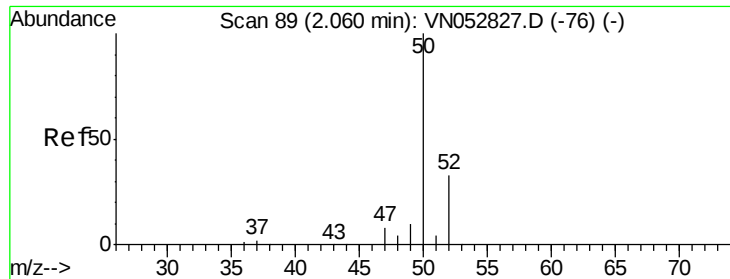
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.496 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

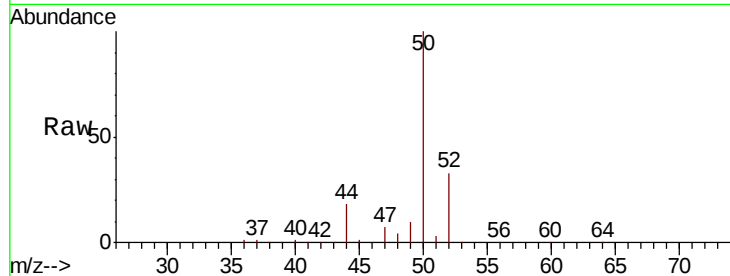
VN1217WBSD01

Tot Ion: 50 Resp: 252103

Ion Ratio Lower Upper

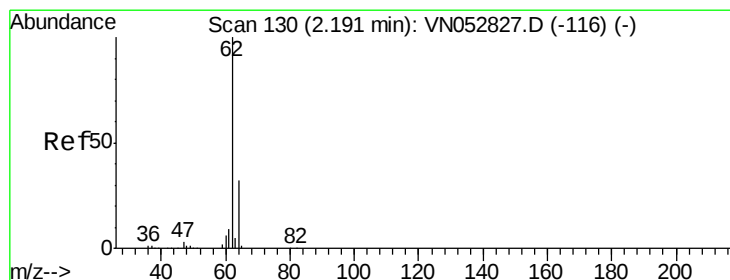
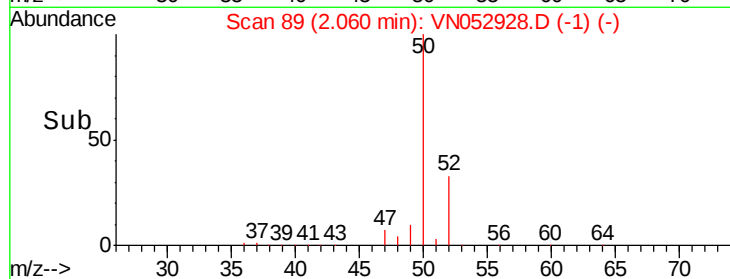
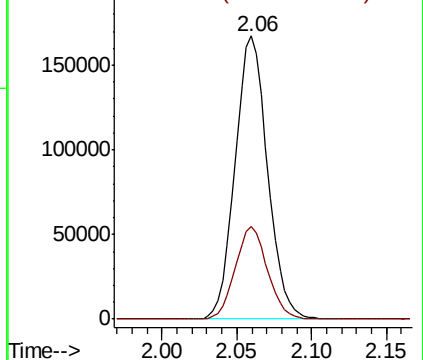
50 100

52 32.5 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.220 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052928.D

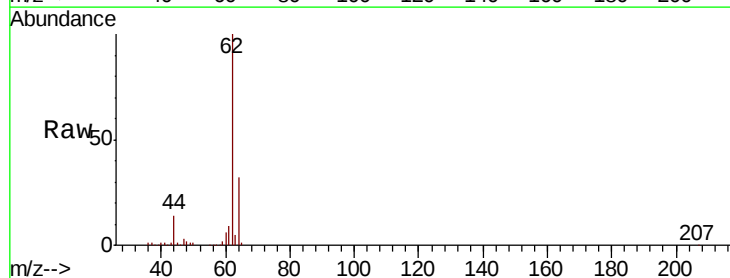
Acq: 17 Dec 2018 15:37

Tgt Ion: 62 Resp: 248654

Ion Ratio Lower Upper

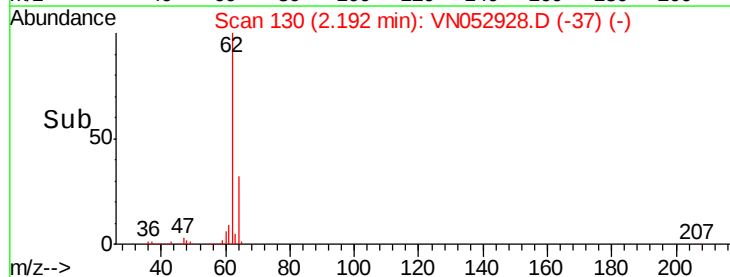
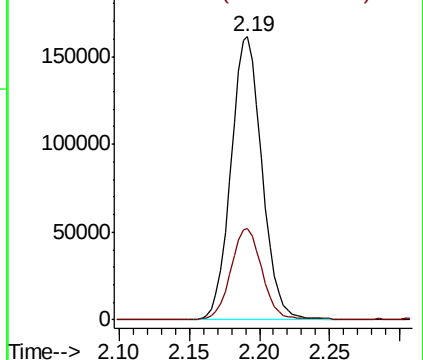
62 100

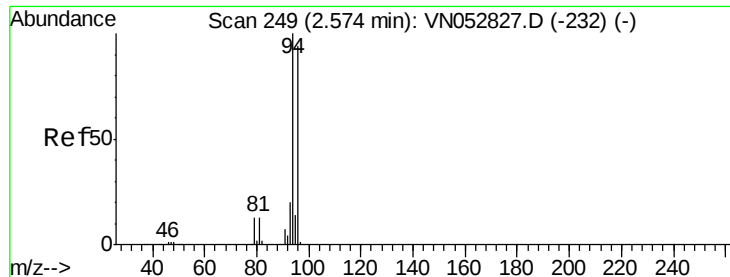
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.314 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

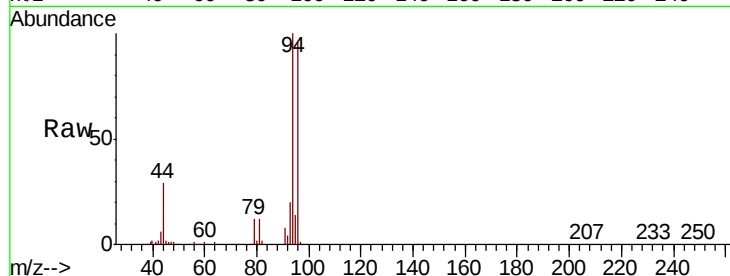
VN1217WBSD01

Tot Ion: 94 Resp: 154110

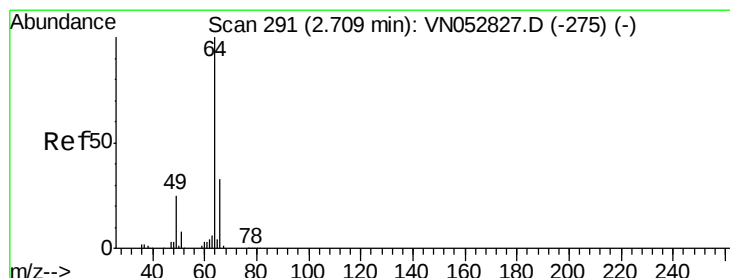
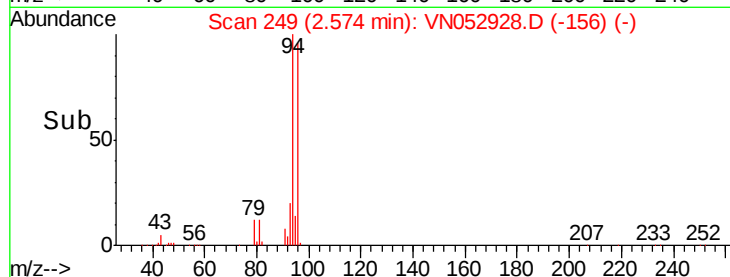
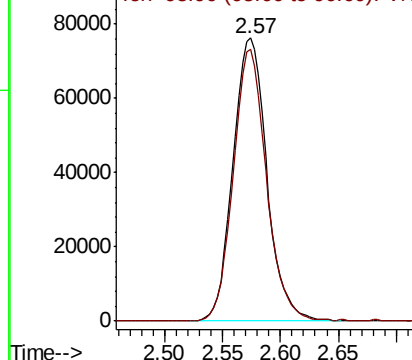
Ion Ratio Lower Upper

94 100

96 96.1 75.0 112.4



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



#6

Chloroethane

Concen: 19.139 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052928.D

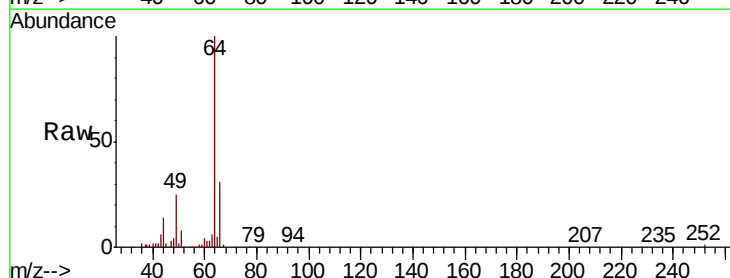
Acq: 17 Dec 2018 15:37

Tgt Ion: 64 Resp: 146351

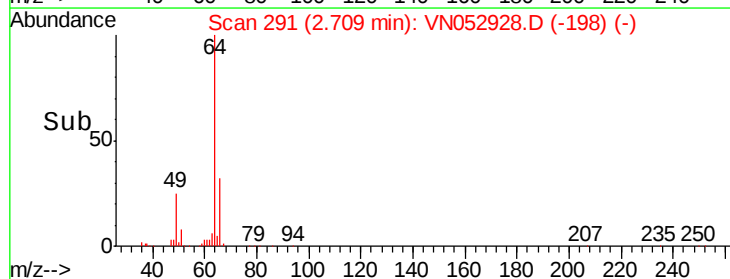
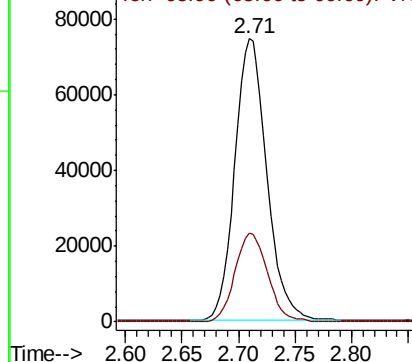
Ion Ratio Lower Upper

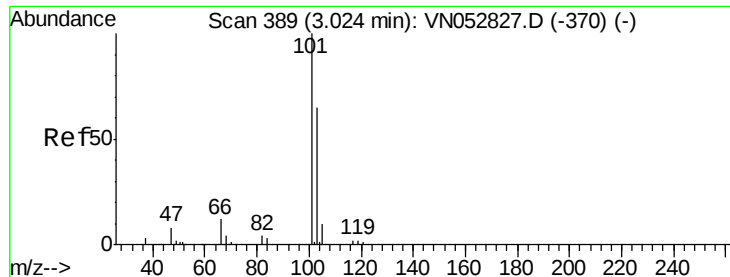
64 100

66 31.7 26.2 39.2



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



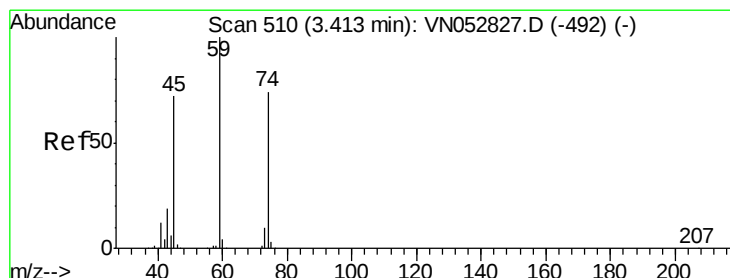
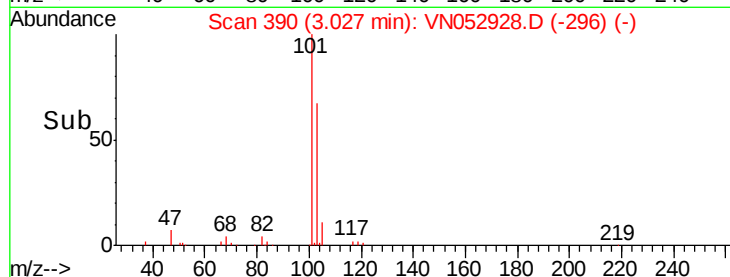
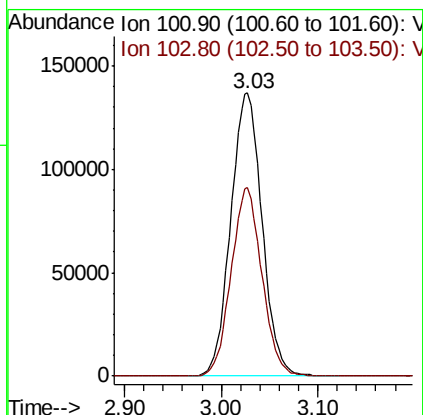
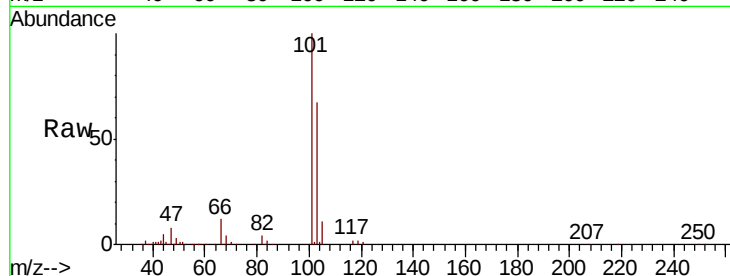


#7

Trichlorofluoromethane  
 Concen: 19.208 ug/l  
 RT: 3.03 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

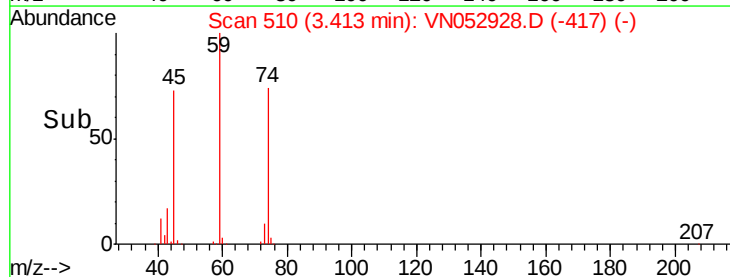
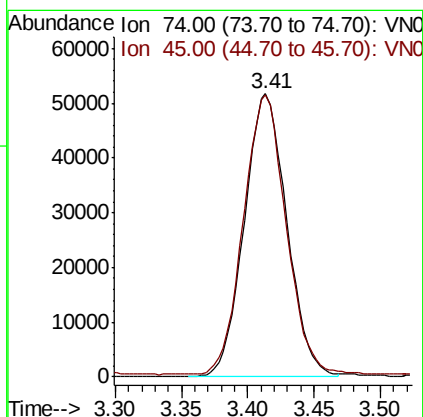
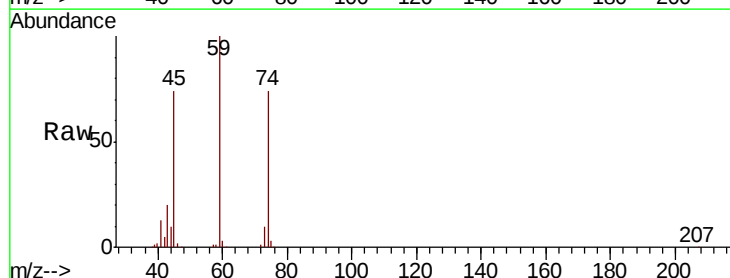
Tot Ion:101 Resp: 308077  
 Ion Ratio Lower Upper  
 101 100  
 103 66.5 51.8 77.6

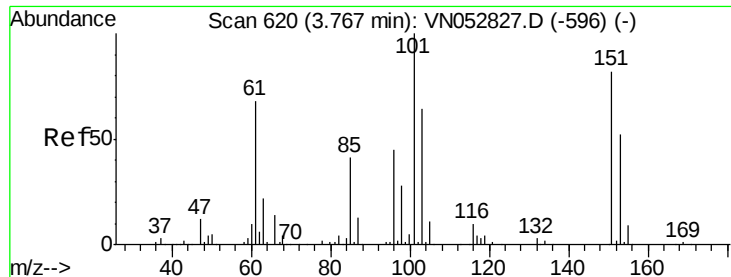


#8

Diethyl Ether  
 Concen: 19.730 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

Tgt Ion: 74 Resp: 115433  
 Ion Ratio Lower Upper  
 74 100  
 45 98.0 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.460 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

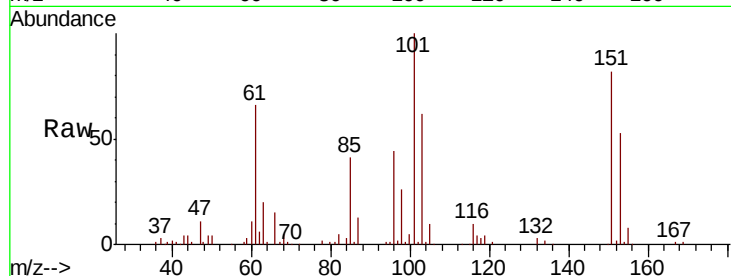
Tot Ion:101 Resp: 193445

Ion Ratio Lower Upper

101 100

85 41.4 33.6 50.4

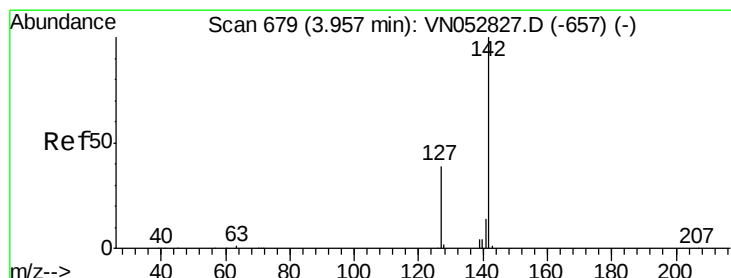
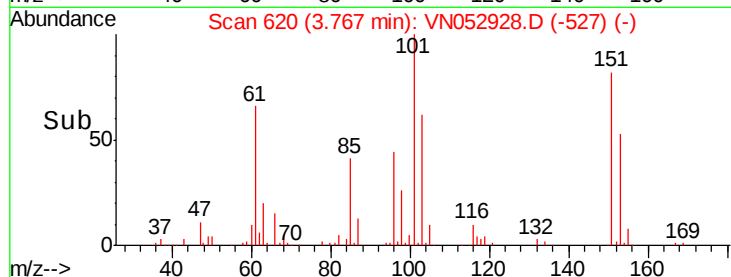
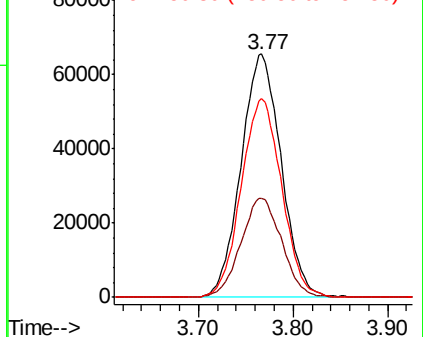
151 82.2 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.015 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

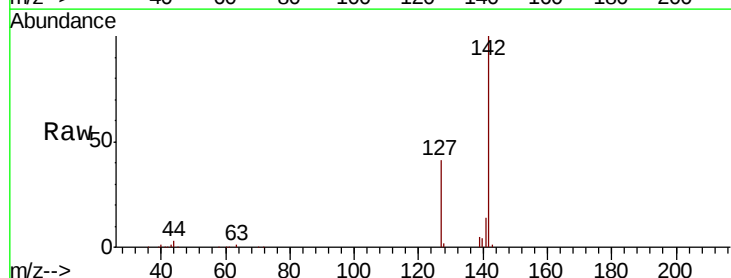
Tgt Ion:142 Resp: 278631

Ion Ratio Lower Upper

142 100

127 39.7 31.0 46.6

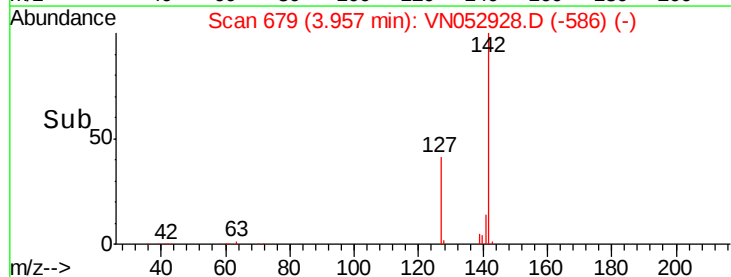
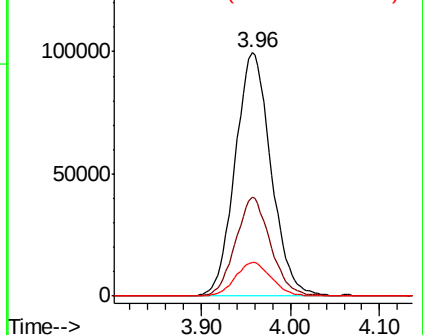
141 13.8 11.2 16.8

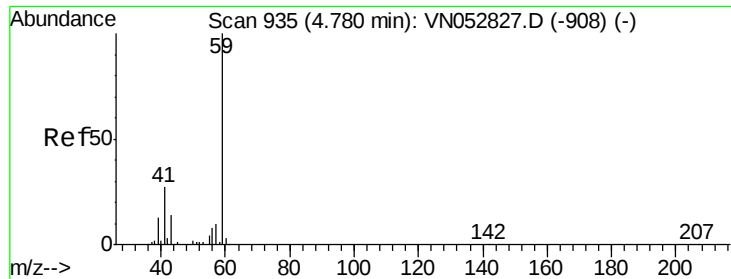


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

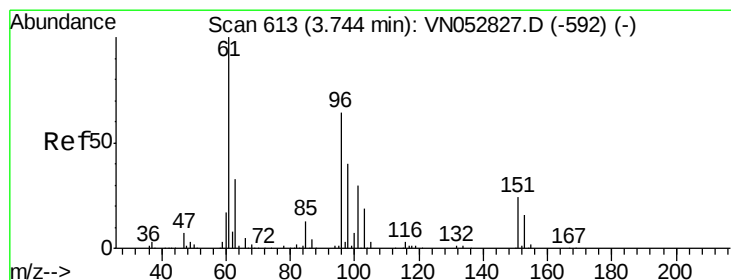
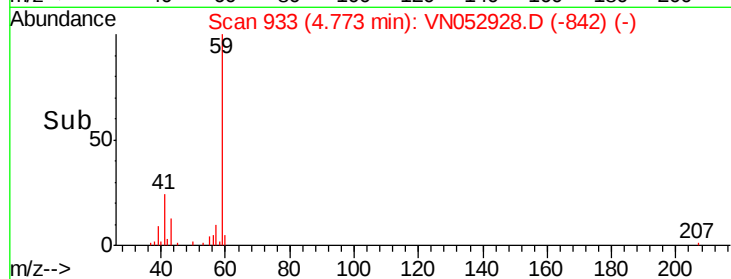
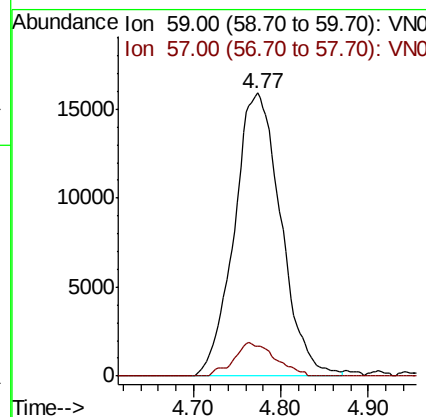
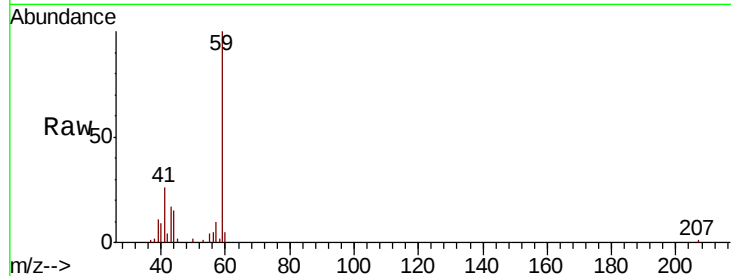




#11  
Tert butyl alcohol  
Concen: 94.487 ug/l  
RT: 4.77 min Scan# 933  
Delta R.T. -0.01 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

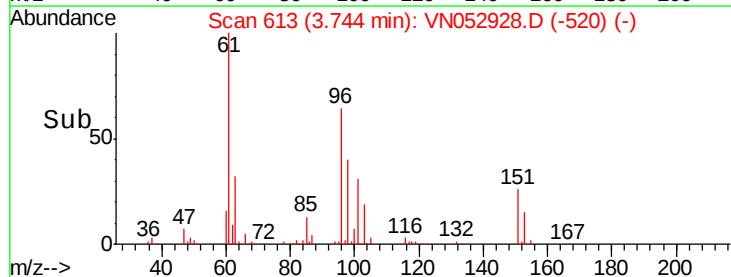
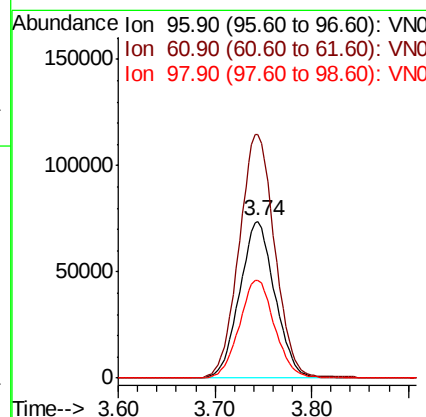
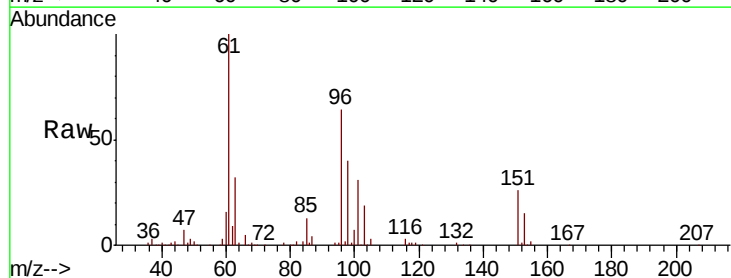
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

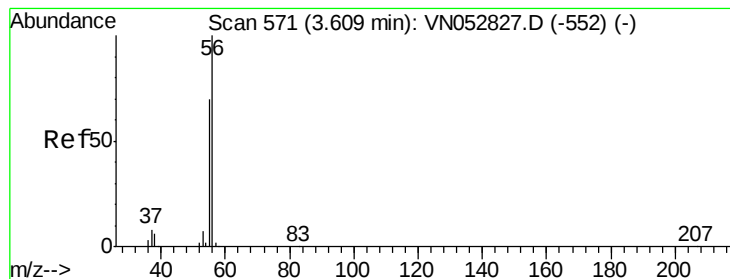
Tot Ion: 59 Resp: 58755  
Ion Ratio Lower Upper  
59 100  
57 10.5 7.7 11.5



#12  
1,1-Dichloroethene  
Concen: 19.417 ug/l  
RT: 3.74 min Scan# 613  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion: 96 Resp: 186843  
Ion Ratio Lower Upper  
96 100  
61 155.2 125.6 188.4  
98 62.5 50.6 75.8





#13

Acrolein

Concen: 48.883 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

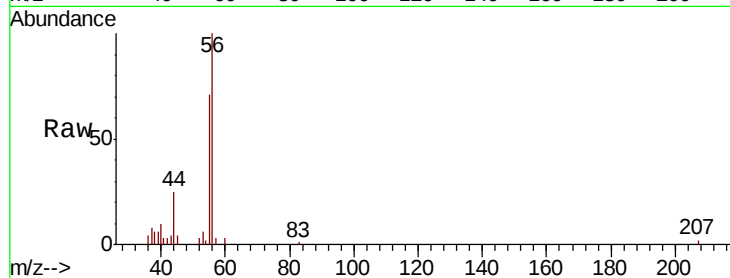
VN1217WBSD01

Tot Ion: 56 Resp: 28619

Ion Ratio Lower Upper

56 100

55 70.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN052928.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052928.D (-552) (-)

3.61

12000

10000

8000

6000

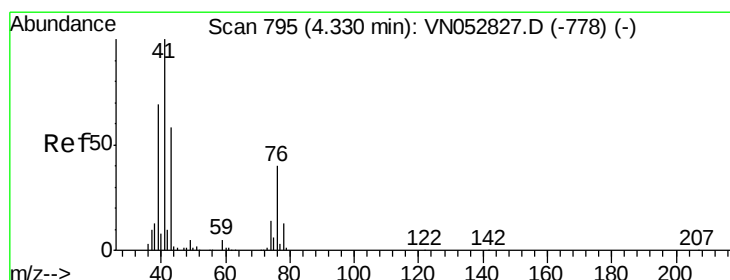
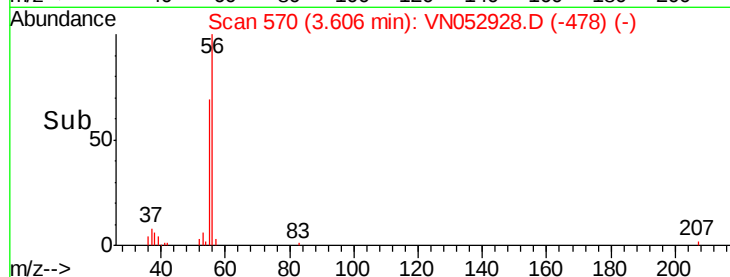
4000

2000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 18.720 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

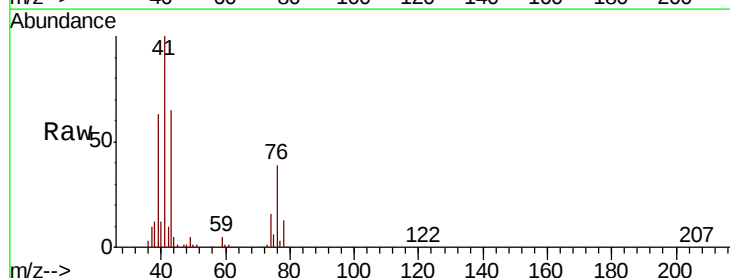
Tgt Ion: 41 Resp: 294224

Ion Ratio Lower Upper

41 100

39 66.4 54.1 81.1

76 38.4 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VN052928.D (-778) (-)

Ion 39.00 (38.70 to 39.70): VN052928.D (-778) (-)

Ion 75.90 (75.60 to 76.60): VN052928.D (-778) (-)

4.33

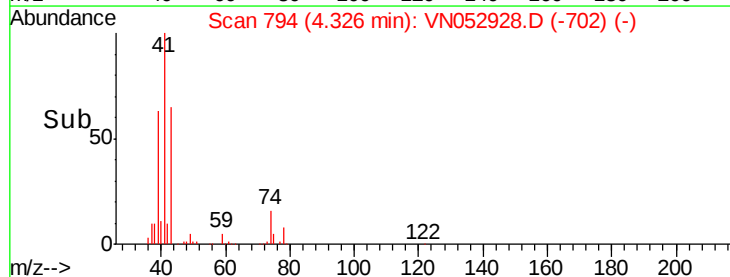
100000

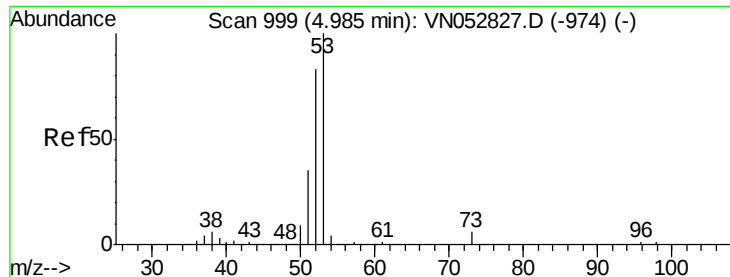
50000

0

Time-->

4.30 4.35 4.40





#15

Acrylonitrile

Concen: 98.478 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampled :

VN1217WBSD01

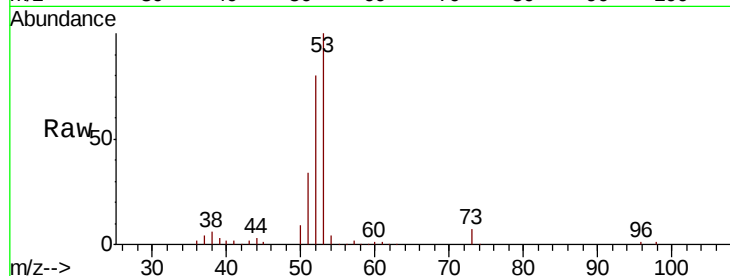
Tot Ion: 53 Resp: 343543

Ion Ratio Lower Upper

53 100

52 80.5 65.1 97.7

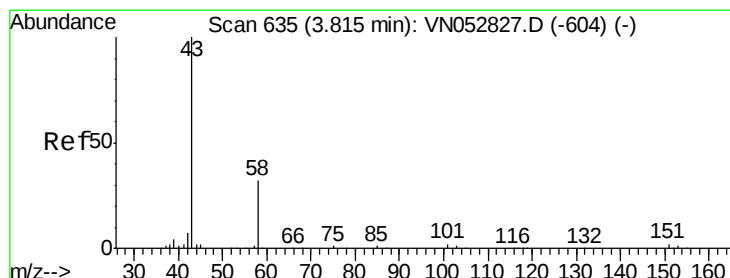
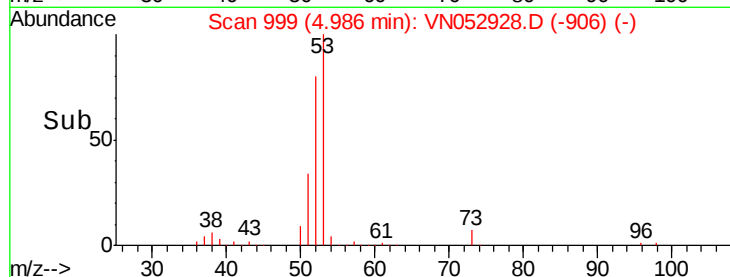
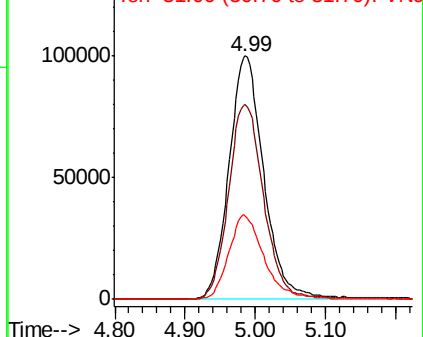
51 35.2 28.1 42.1



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: 92.541 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052928.D

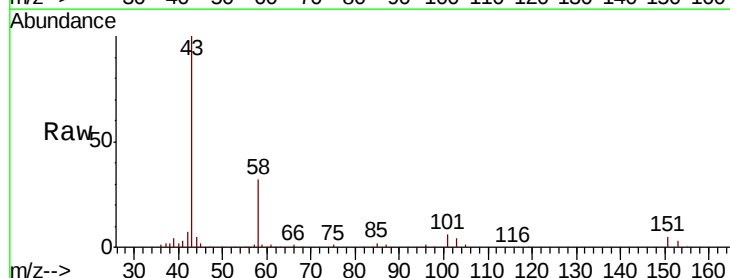
Acq: 17 Dec 2018 15:37

Tgt Ion: 43 Resp: 231302

Ion Ratio Lower Upper

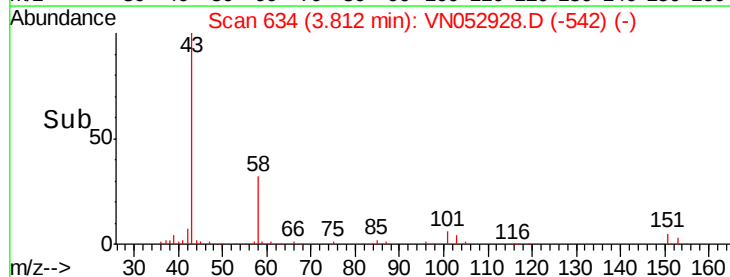
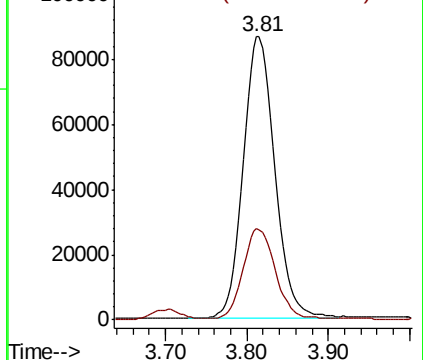
43 100

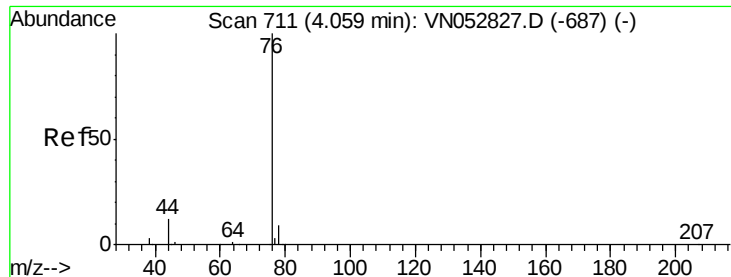
58 31.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.968 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

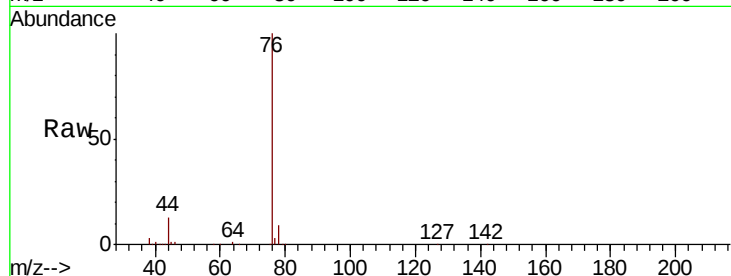
VN1217WBSD01

Tot Ion: 76 Resp: 560714

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052928.D (-618) (-)

Ion 77.90 (77.60 to 78.60): VN052928.D (-618) (-)

4.06

250000

200000

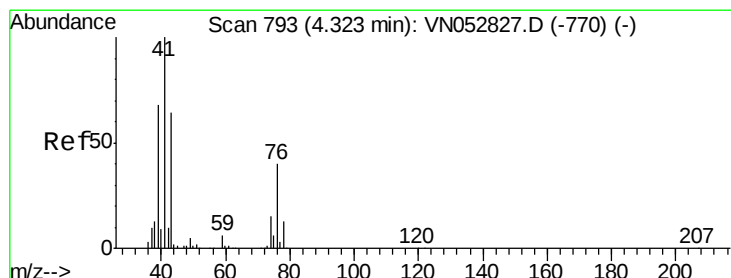
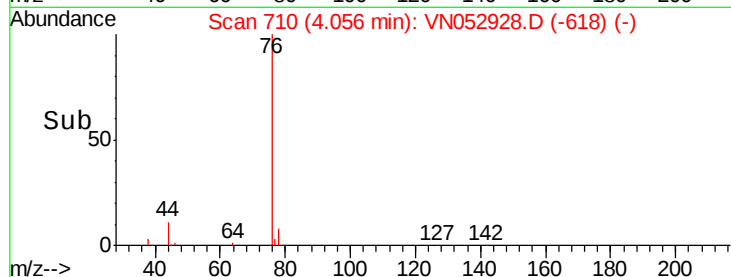
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.251 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052928.D

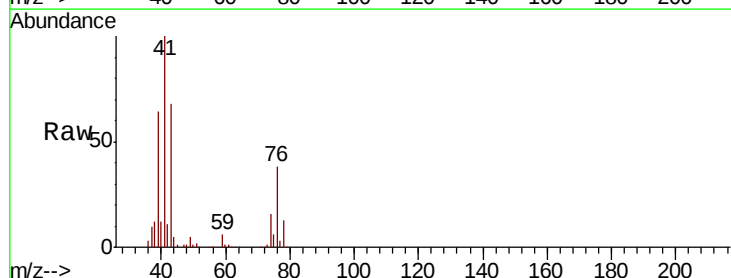
Acq: 17 Dec 2018 15:37

Tgt Ion: 43 Resp: 194937

Ion Ratio Lower Upper

43 100

74 23.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052928.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN052928.D (-700) (-)

4.32

80000

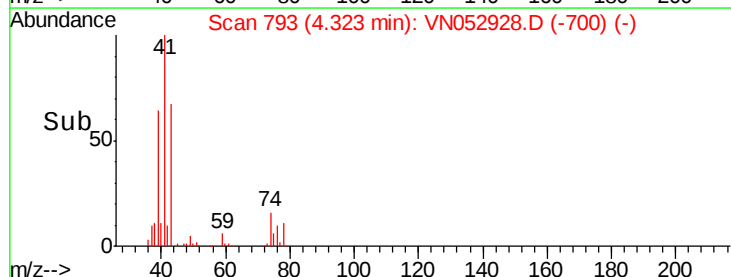
60000

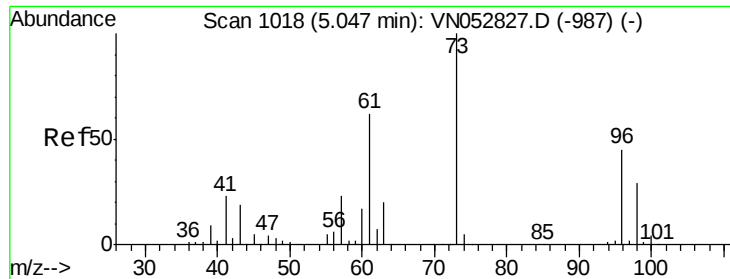
40000

20000

0

Time-->

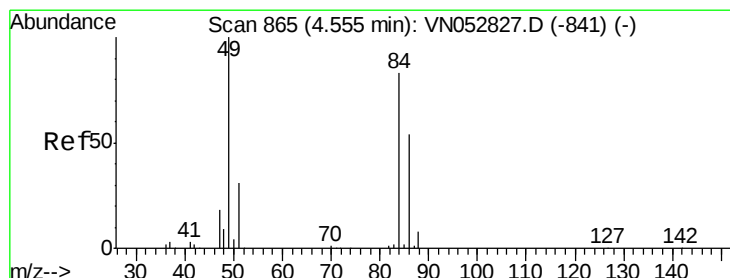
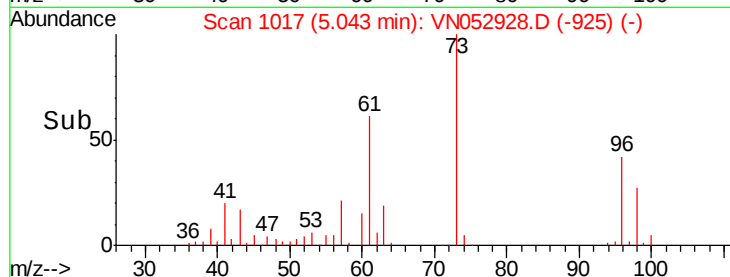
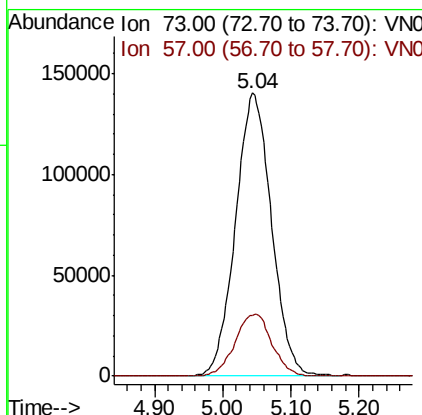
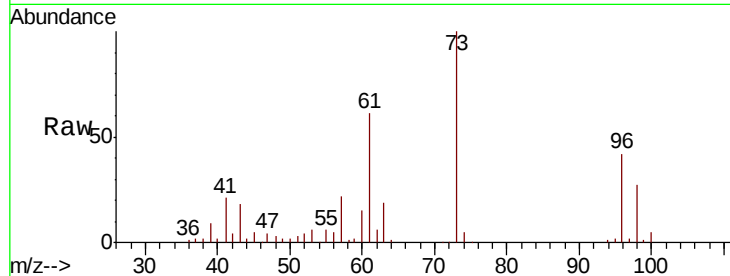




#19  
Methyl tert-butyl Ether  
Concen: 19.703 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

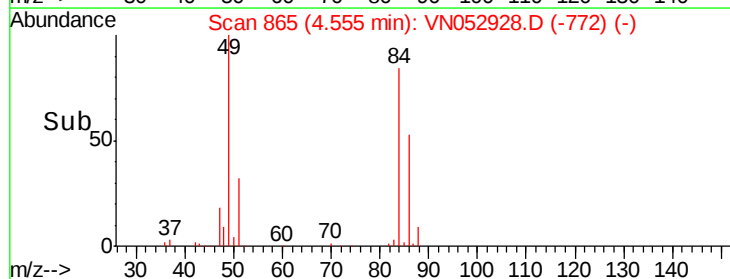
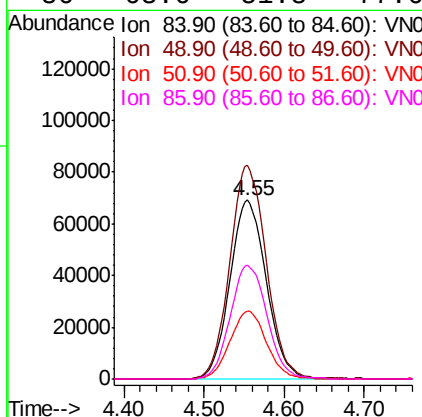
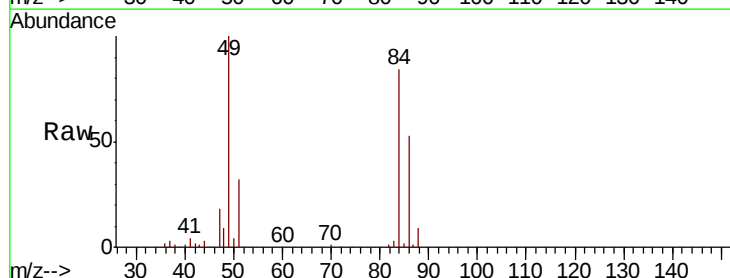
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

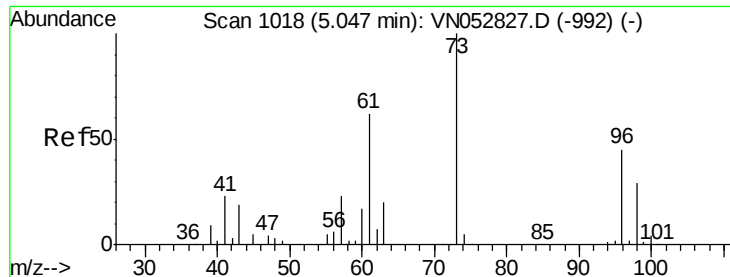
Tot Ion: 73 Resp: 514726  
Ion Ratio Lower Upper  
73 100  
57 21.6 18.4 27.6



#20  
Methylene Chloride  
Concen: 19.067 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion: 84 Resp: 214470  
Ion Ratio Lower Upper  
84 100  
49 119.6 96.8 145.2  
51 38.2 29.9 44.9  
86 63.6 51.8 77.6

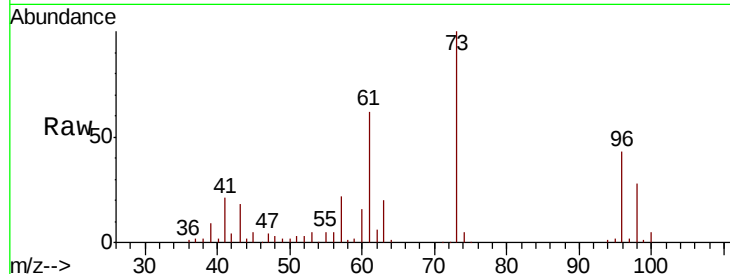




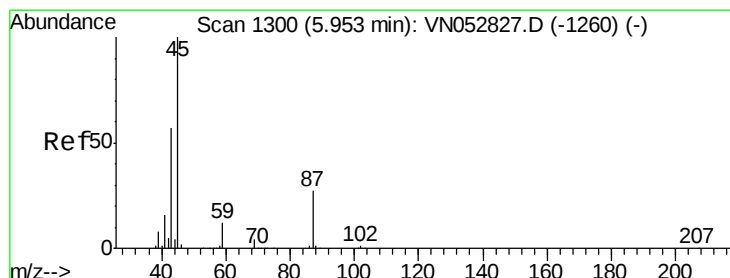
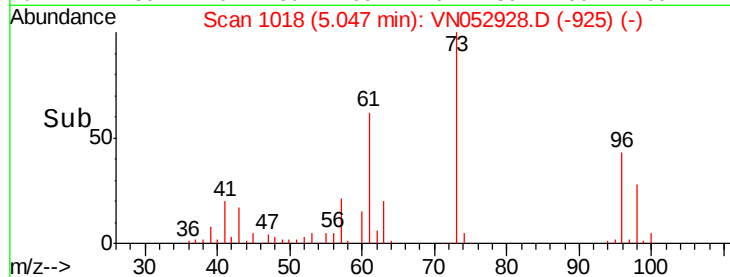
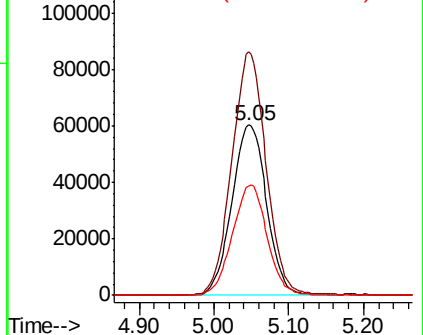
#21  
trans-1,2-Dichloroethene  
Concen: 18.744 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

Tot Ion: 96 Resp: 195416  
Ion Ratio Lower Upper  
96 100  
61 143.0 110.8 166.2  
98 64.5 51.4 77.2

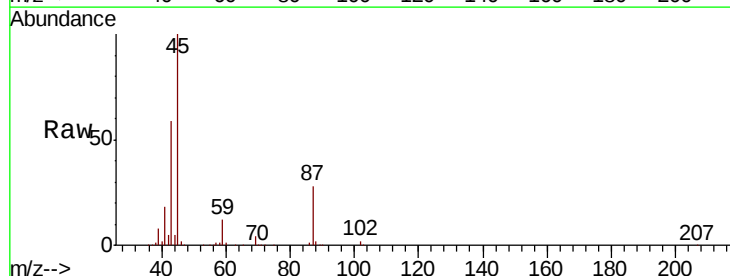


Abundance Ion 95.90 (95.60 to 96.60): VNC  
Ion 60.90 (60.60 to 61.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC

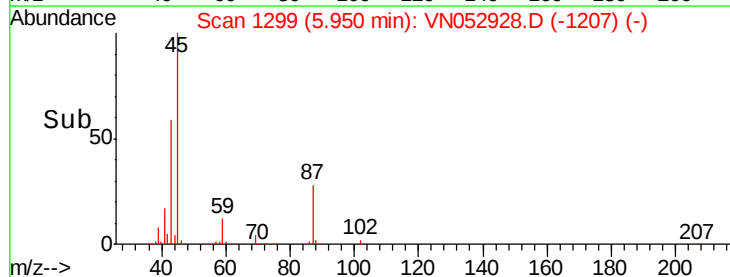
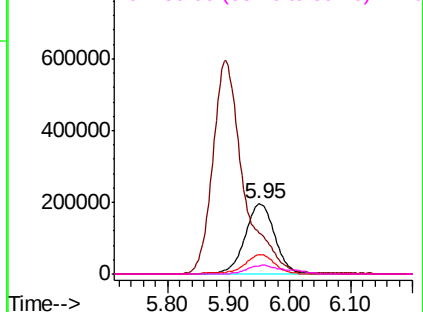


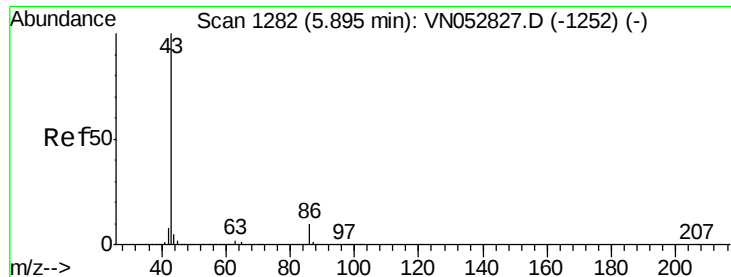
#22  
Diisopropyl ether  
Concen: 19.738 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion: 45 Resp: 661824  
Ion Ratio Lower Upper  
45 100  
43 58.2 45.5 68.3  
87 28.0 22.0 33.0  
59 11.6 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: 103.877 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

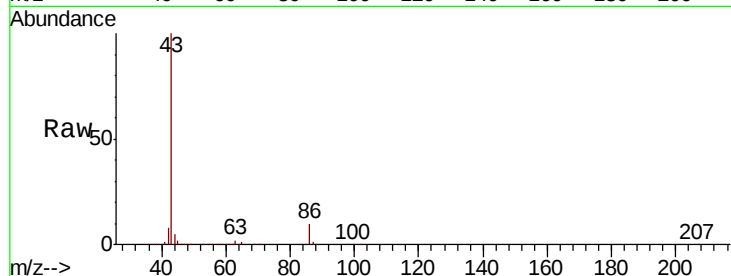
VN1217WBSD01

Tot Ion: 43 Resp: 2072575

Ion Ratio Lower Upper

43 100

86 10.1 8.1 12.1



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

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

5.90

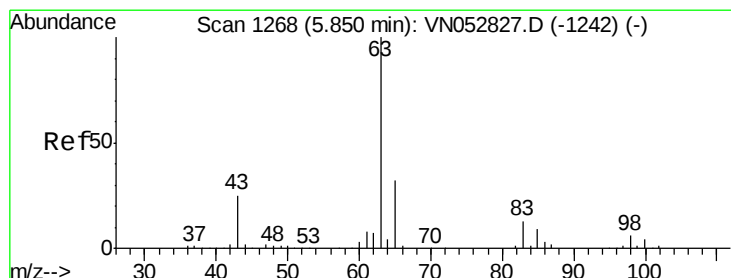
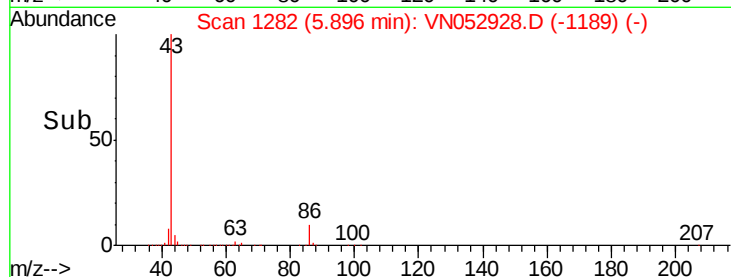
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.616 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

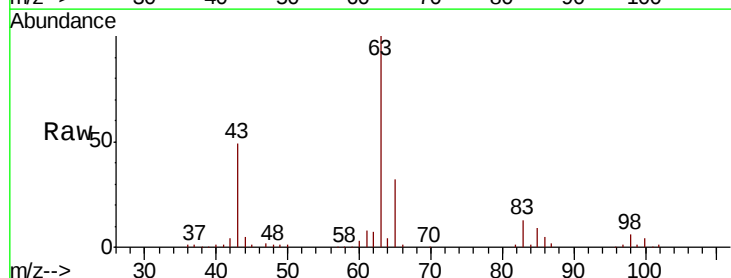
Tgt Ion: 63 Resp: 379303

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 3.9 2.0 5.8



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

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

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

5.85

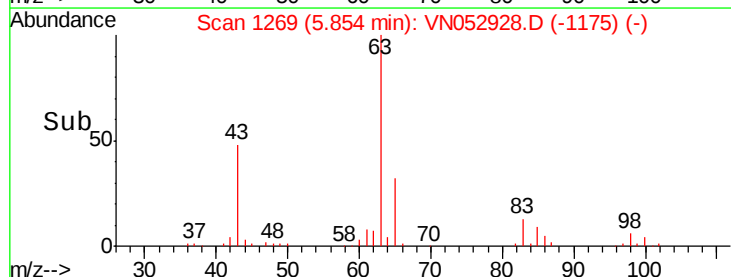
150000

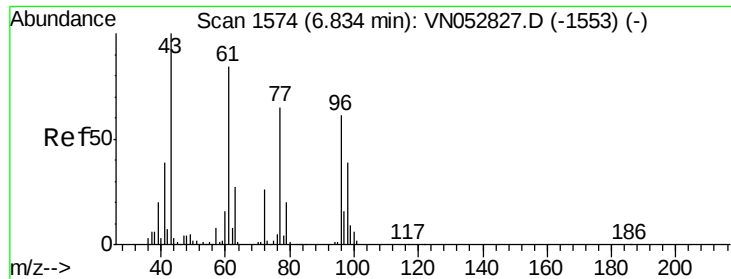
100000

50000

0

Time-->





#25

2-Butanone

Concen: 91.932 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampled :

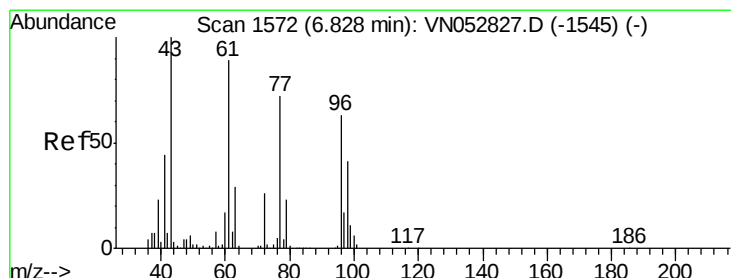
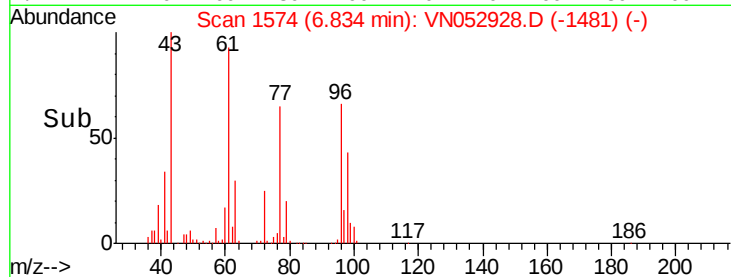
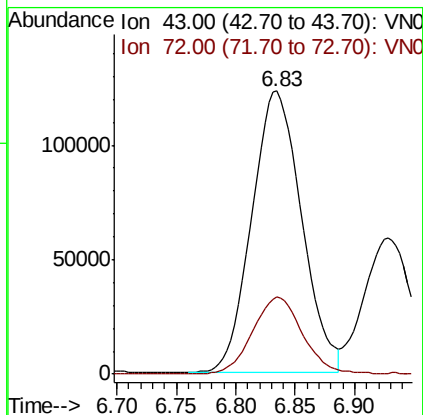
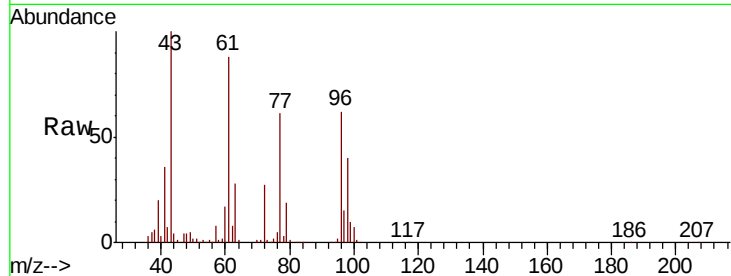
VN1217WBSD01

Tot Ion: 43 Resp: 356539

Ion Ratio Lower Upper

43 100

72 27.5 21.0 31.6



#26

2,2-Dichloropropane

Concen: 18.100 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052928.D

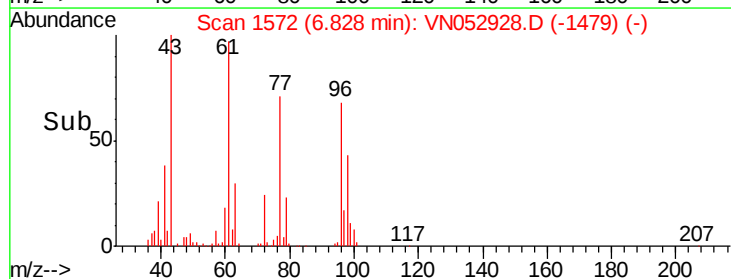
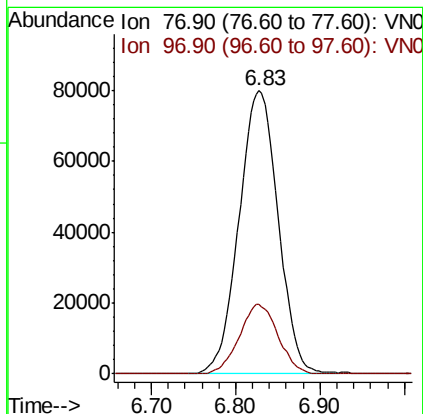
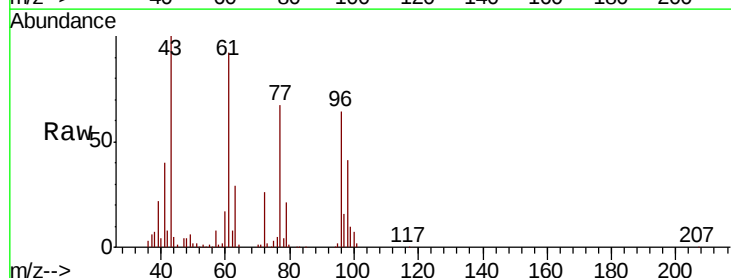
Acq: 17 Dec 2018 15:37

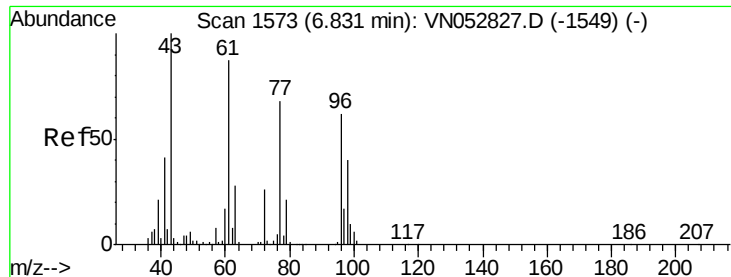
Tgt Ion: 77 Resp: 257731

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.457 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

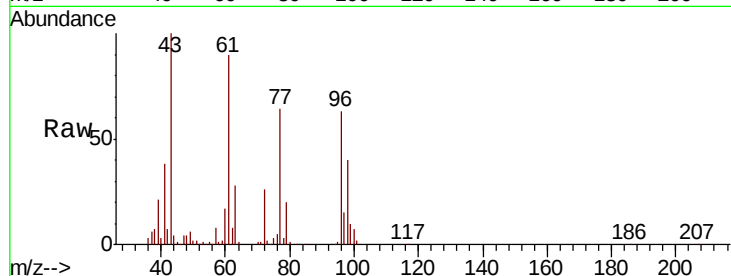
Tot Ion: 96 Resp: 230224

Ion Ratio Lower Upper

96 100

61 141.9 0.0 284.2

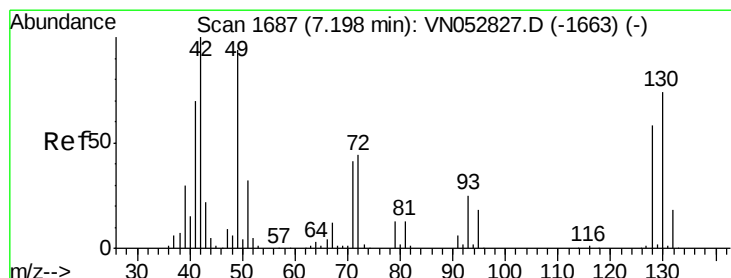
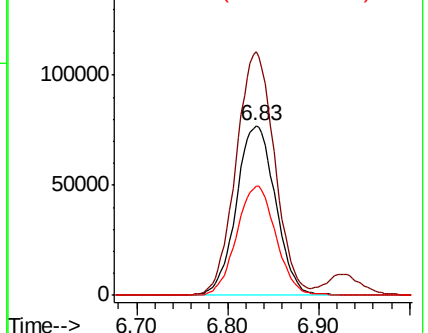
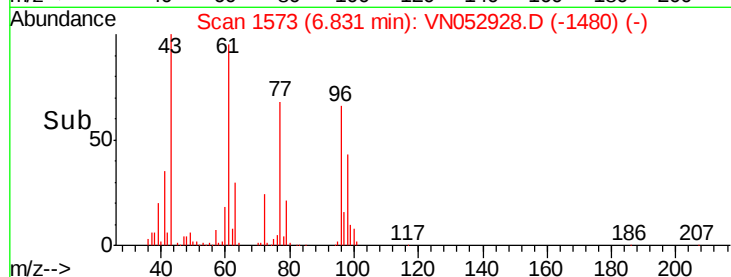
98 64.6 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN052928.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052928.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052928.D (-1480) (-)



#28

Bromochloromethane

Concen: 21.633 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

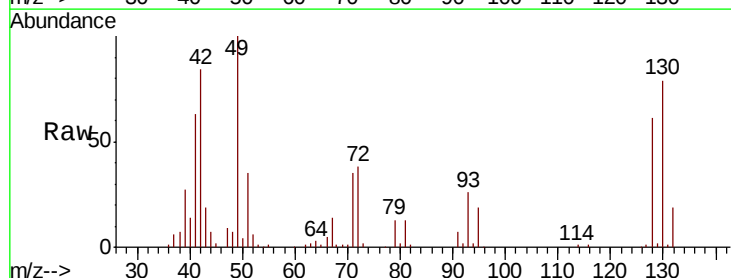
Tgt Ion: 49 Resp: 187833

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

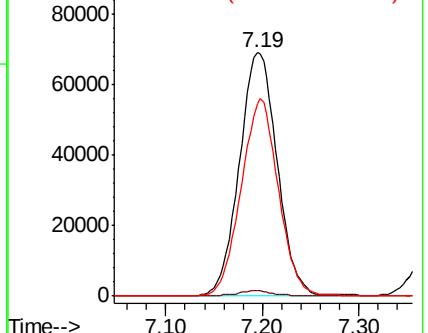
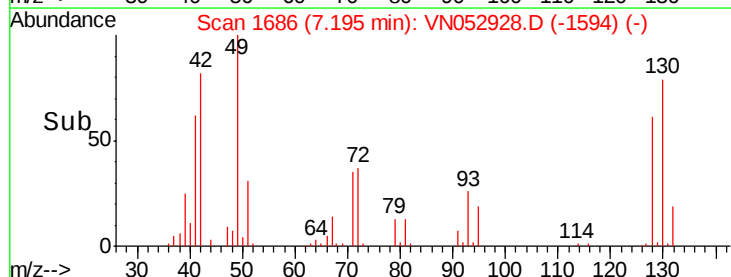
130 79.9 63.3 94.9

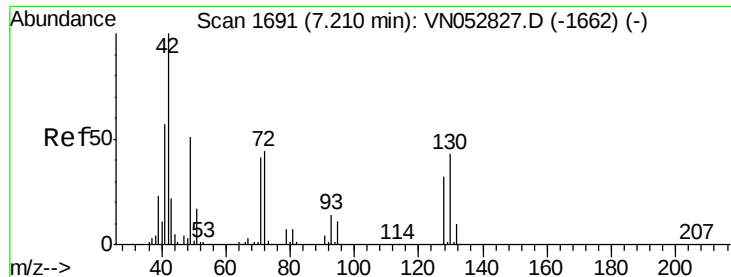


Abundance Ion 48.90 (48.60 to 49.60): VN052928.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN052928.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN052928.D (-1594) (-)

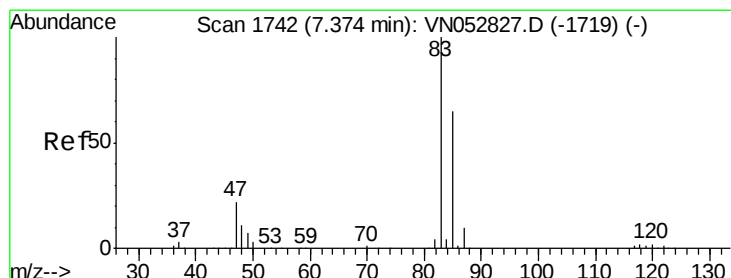
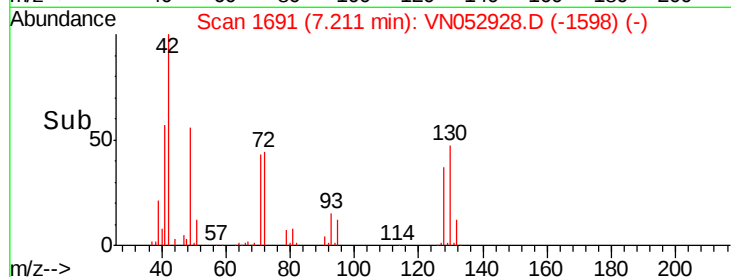
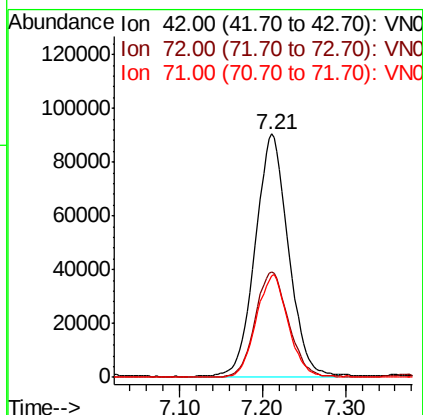
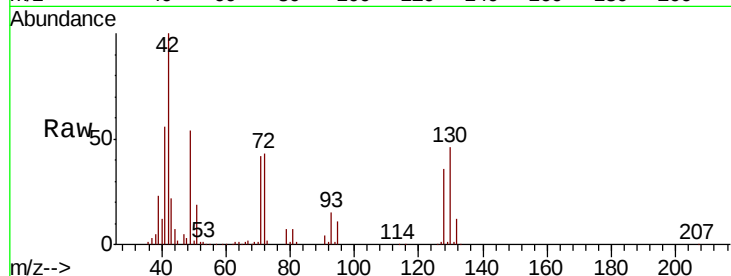




#29  
Tetrahydrofuran  
Concen: 94.866 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

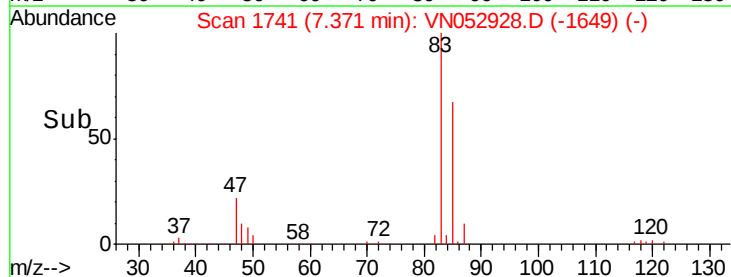
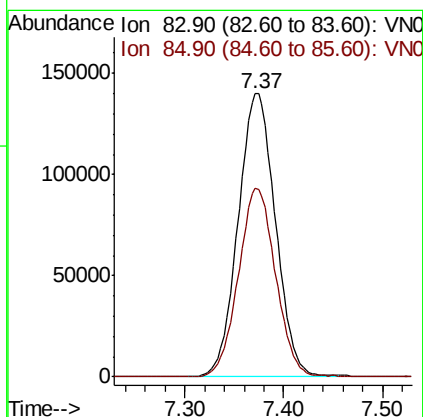
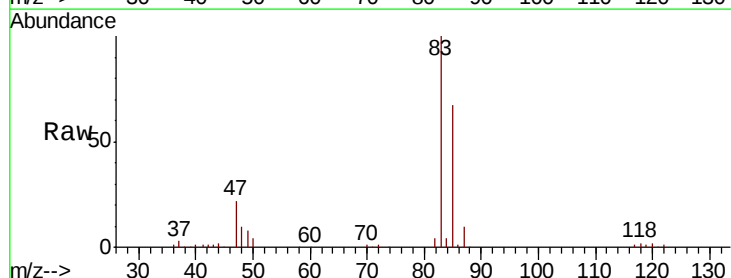
Instrument :  
MSVOA\_N  
ClientSampled :  
VN1217WBSD01

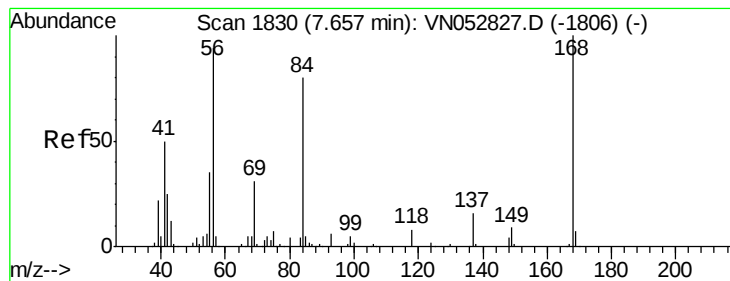
Tot Ion: 42 Resp: 251172  
Ion Ratio Lower Upper  
42 100  
72 43.5 34.7 52.1  
71 40.8 32.3 48.5



#30  
Chloroform  
Concen: 19.430 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion: 83 Resp: 366375  
Ion Ratio Lower Upper  
83 100  
85 66.5 52.1 78.1





#31

Cyclohexane

Concen: 18.818 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

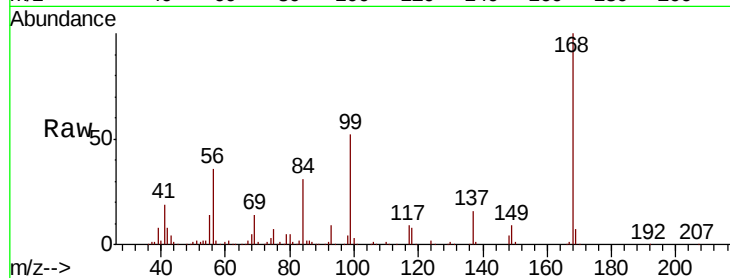
Tot Ion: 56 Resp: 361706

Ion Ratio Lower Upper

56 100

69 37.4 26.6 39.8

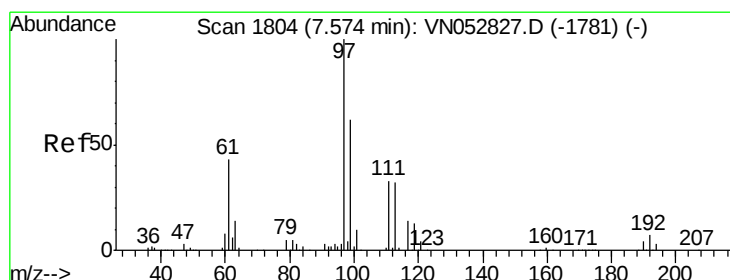
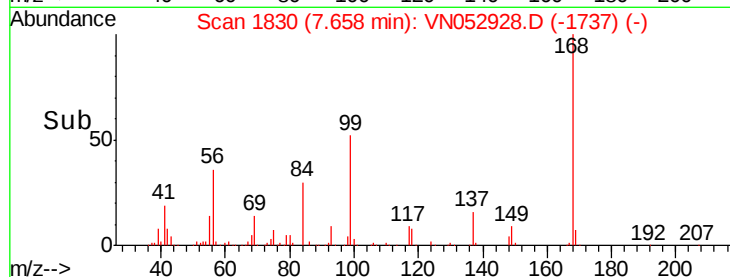
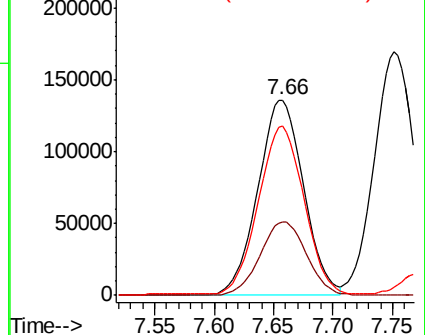
84 85.3 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052928.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN052928.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN052928.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 19.297 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

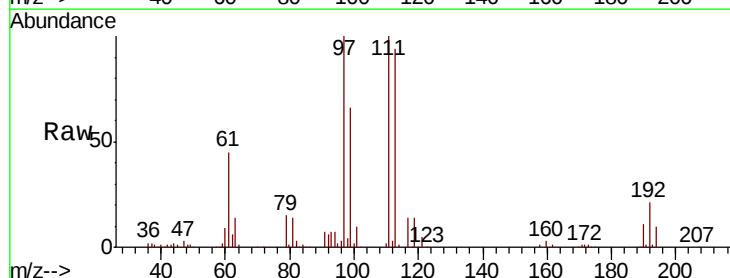
Tgt Ion: 97 Resp: 304435

Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

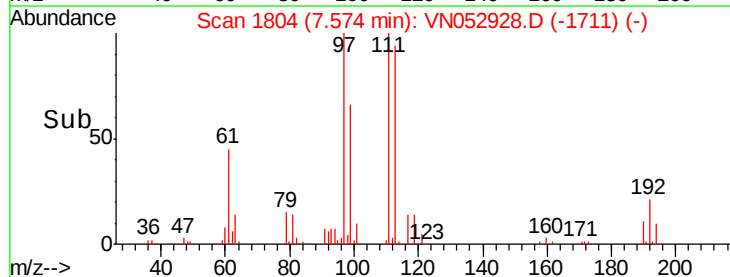
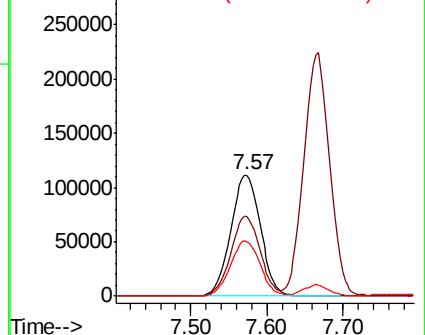
61 45.6 35.0 52.6

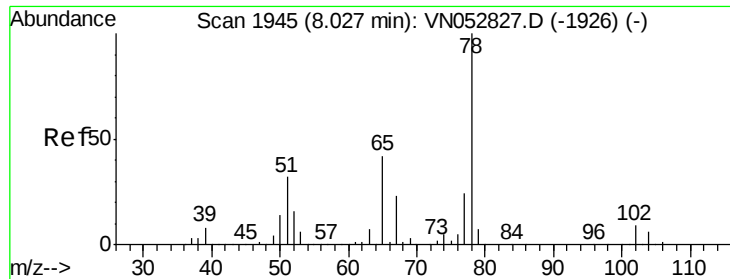


Abundance Ion 96.90 (96.60 to 97.60): VN052928.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052928.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052928.D (-1711) (-)

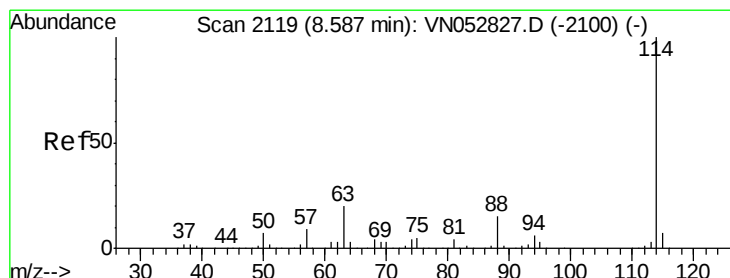
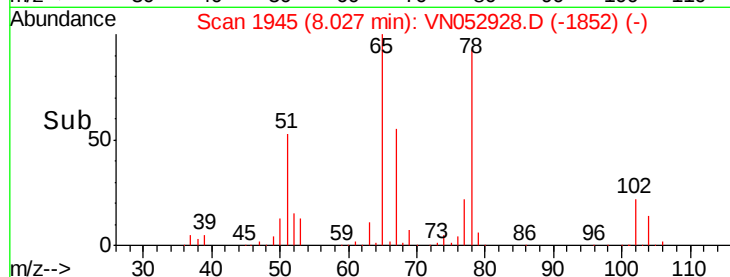
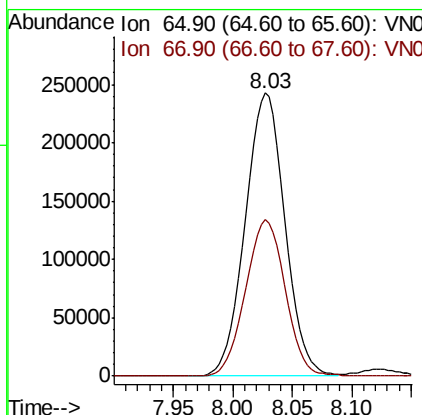
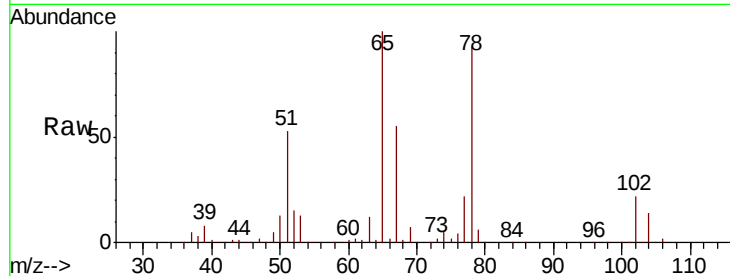




#33  
 1,2-Dichloroethane-d4  
 Concen: 19.297 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

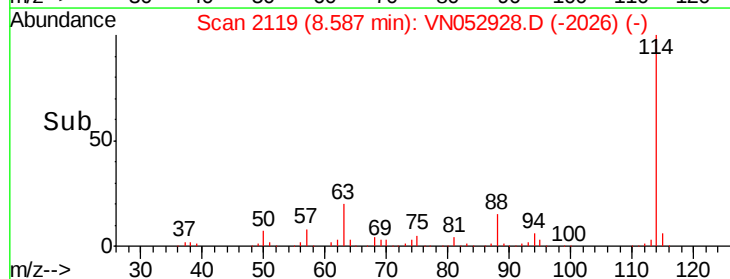
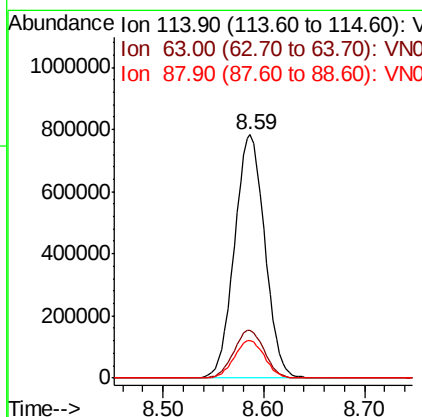
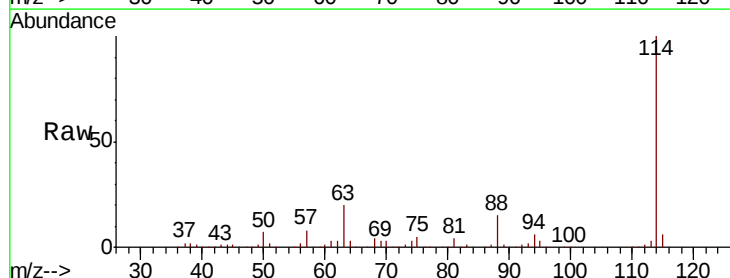
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

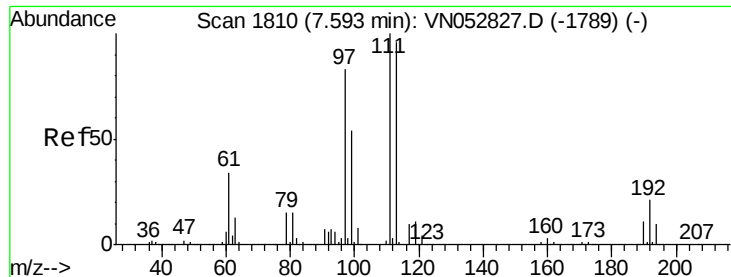
Tot Ion: 65 Resp: 561103  
 Ion Ratio Lower Upper  
 65 100  
 67 55.4 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

Tgt Ion: 114 Resp: 1631663  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 39.8  
 88 15.4 0.0 31.0

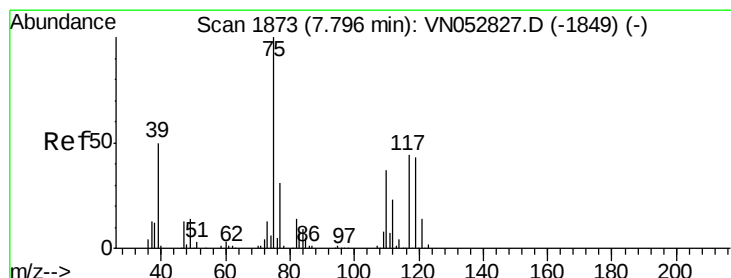
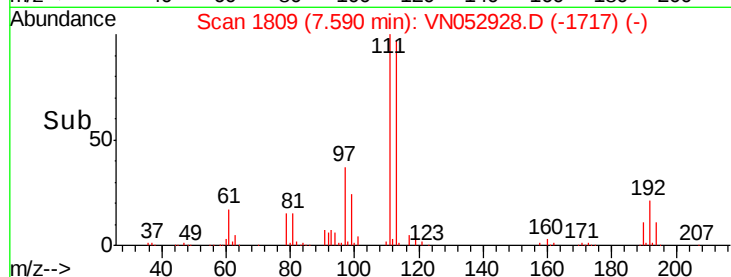
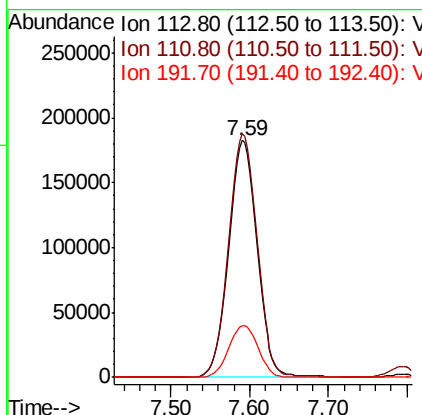
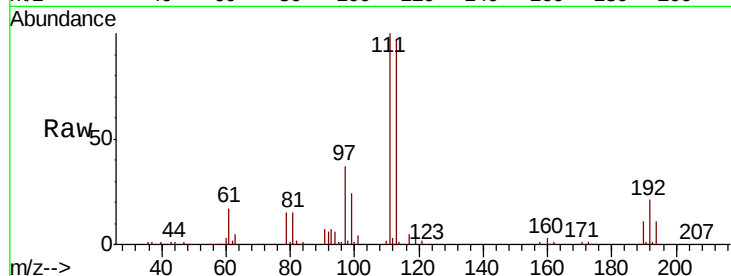




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

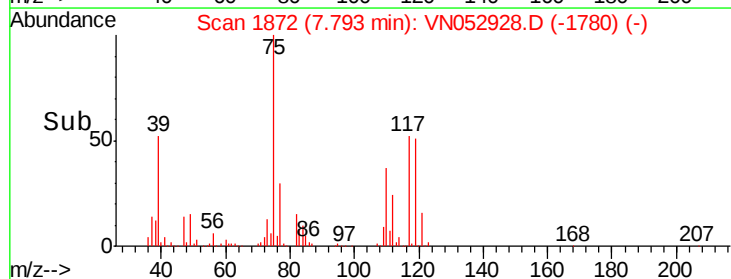
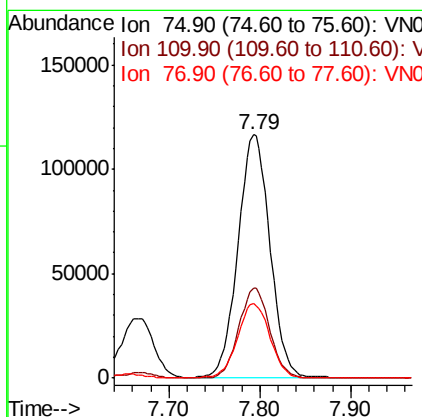
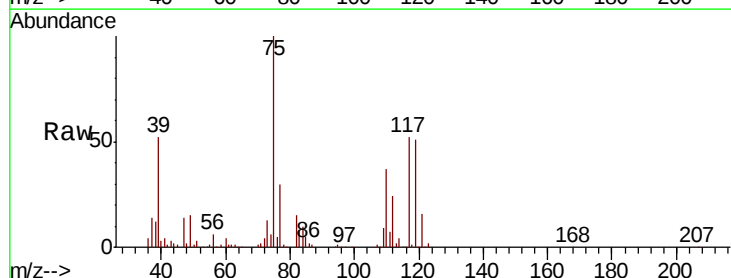
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

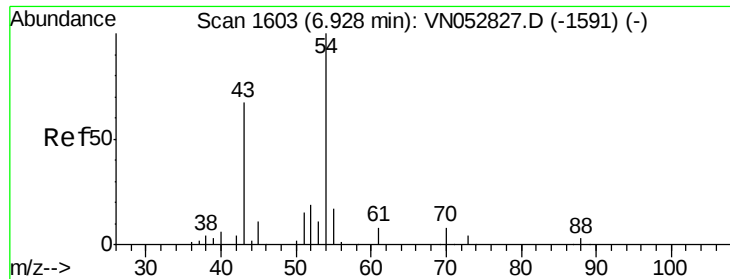
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.4 | 83.0  | 124.4 |
| 192     | 22.5  | 17.5  | 26.3  |



#36  
 1,1-Dichloropropene  
 Concen: 18.826 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.0  | 18.2  | 54.6  |
| 77      | 31.4  | 24.9  | 37.3  |

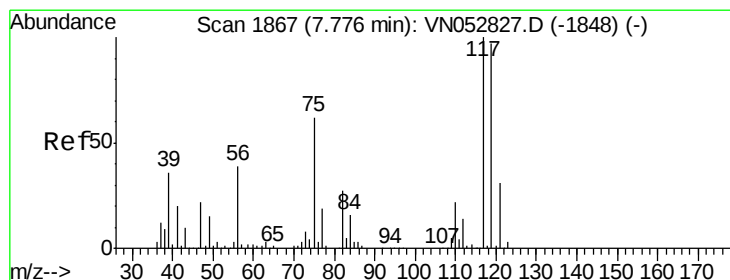
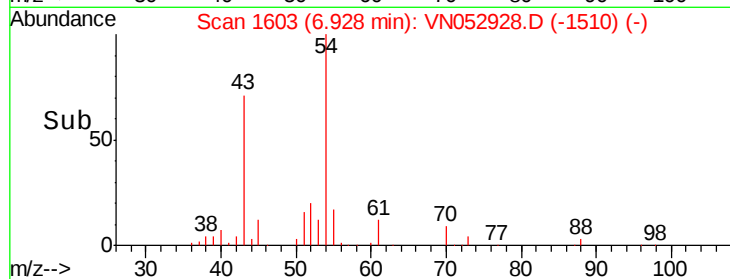
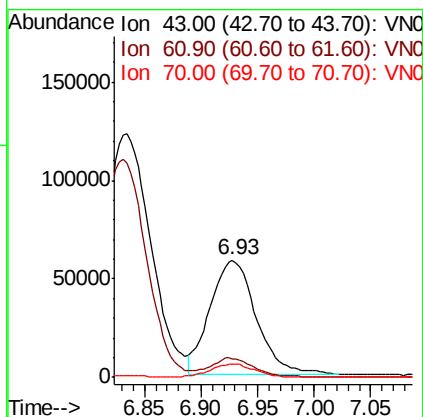
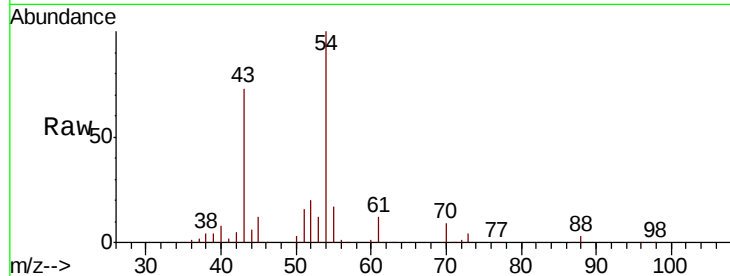




#37  
Ethyl Acetate  
Concen: 18.283 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

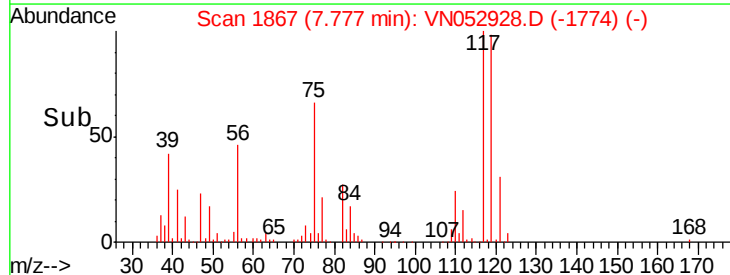
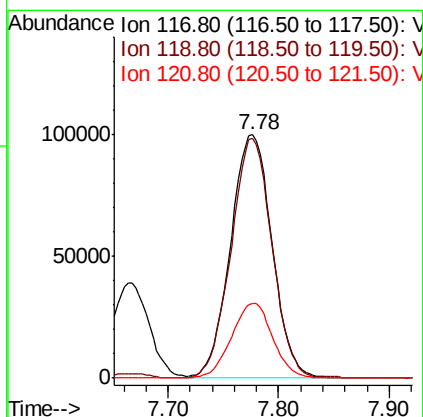
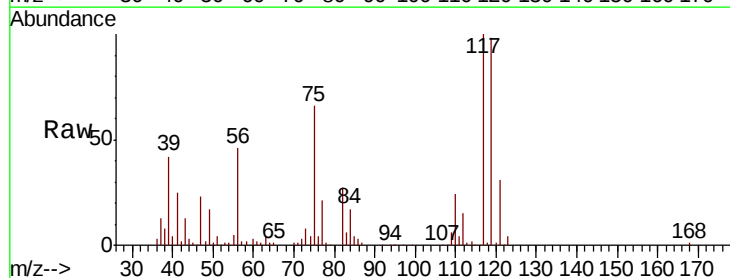
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

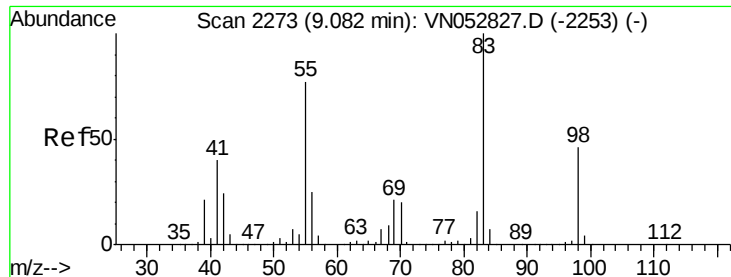
Tot Ion: 43 Resp: 165026  
Ion Ratio Lower Upper  
43 100  
61 15.4 11.8 17.6  
70 11.5 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 18.758 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion: 117 Resp: 259424  
Ion Ratio Lower Upper  
117 100  
119 98.4 77.1 115.7  
121 30.9 24.9 37.3

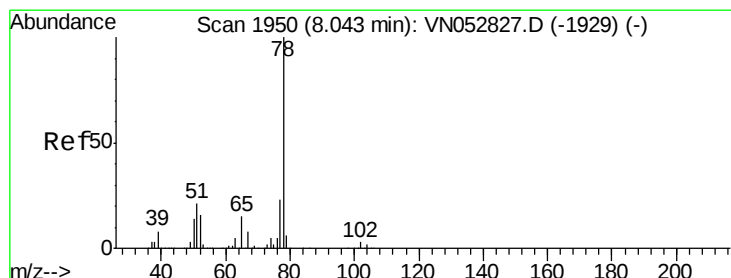
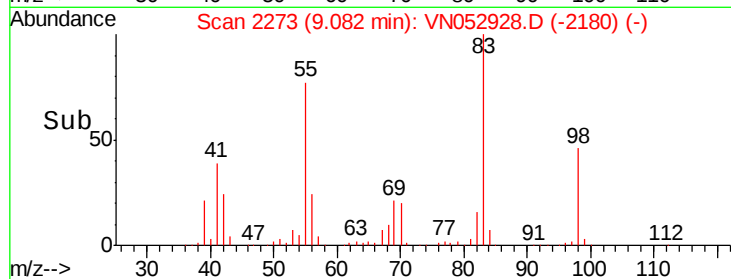
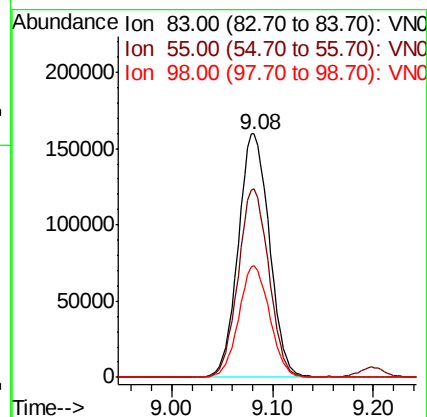
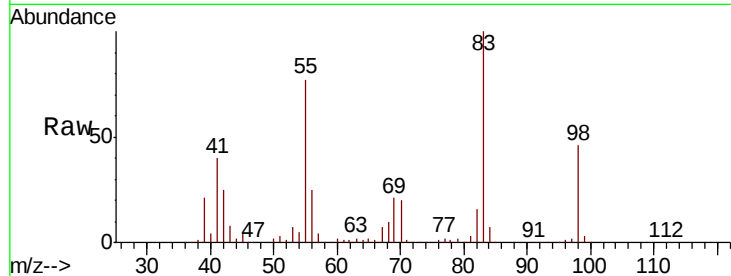




#39  
Methvlcvclohexane  
Concen: 18.573 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

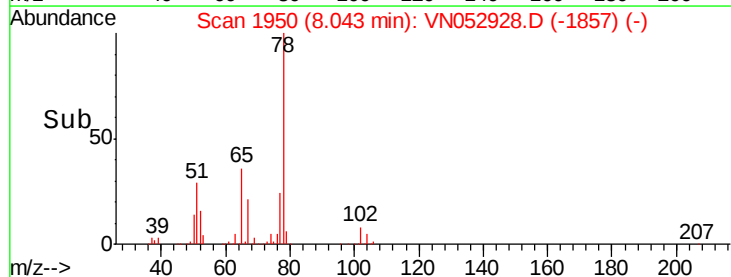
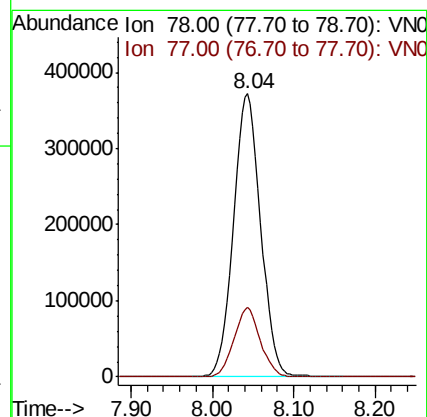
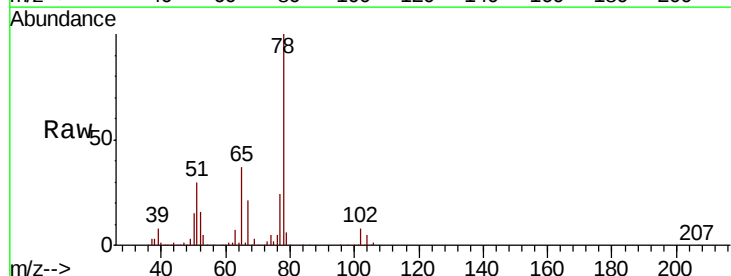
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

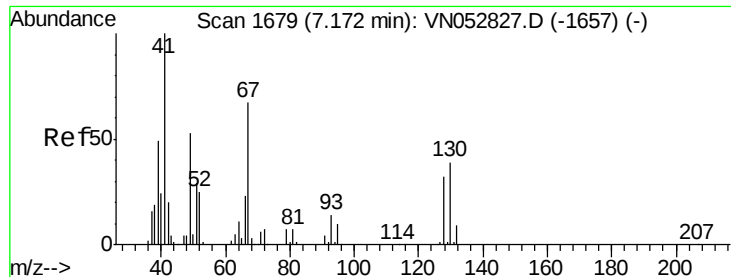
Tot Ion: 83 Resp: 342464  
Ion Ratio Lower Upper  
83 100  
55 77.2 61.3 91.9  
98 46.1 37.0 55.4



#40  
Benzene  
Concen: 19.214 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion: 78 Resp: 866498  
Ion Ratio Lower Upper  
78 100  
77 24.4 18.5 27.7

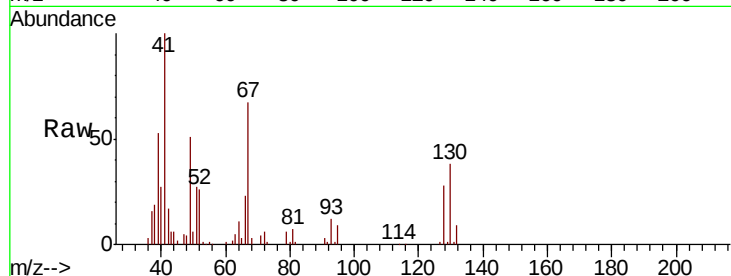




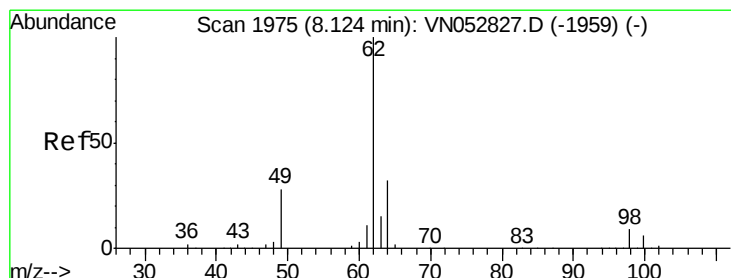
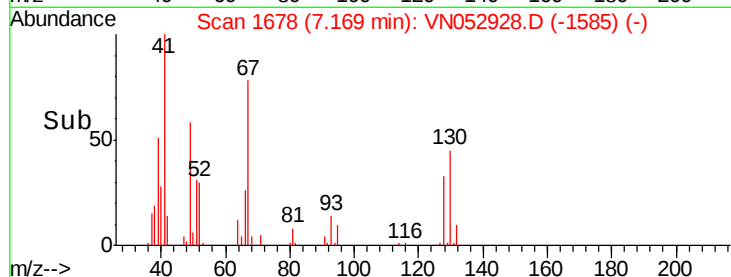
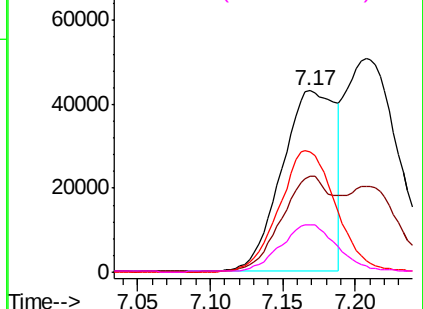
#41  
Methacrylonitrile  
Concen: 22.150 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. -0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

Tot Ion: 41 Resp: 110778  
Ion Ratio Lower Upper  
41 100  
39 54.6 48.0 72.0  
67 71.6 70.3 105.5  
52 27.7 26.9 40.3

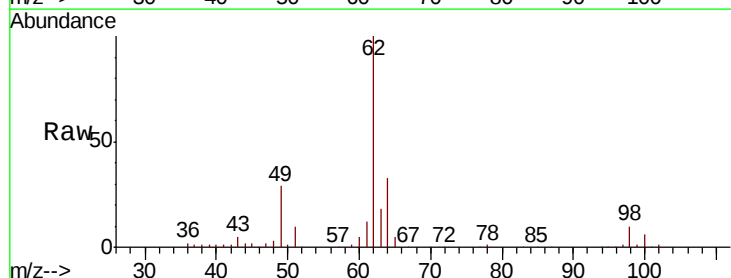


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 67.00 (66.70 to 67.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO

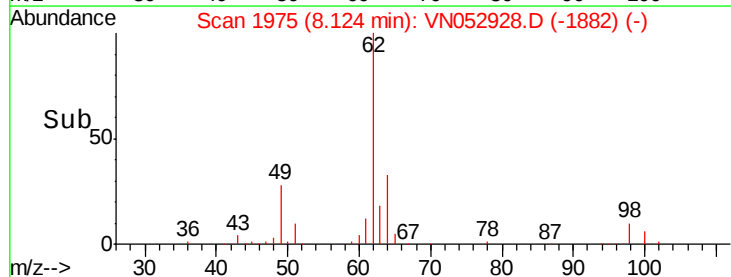
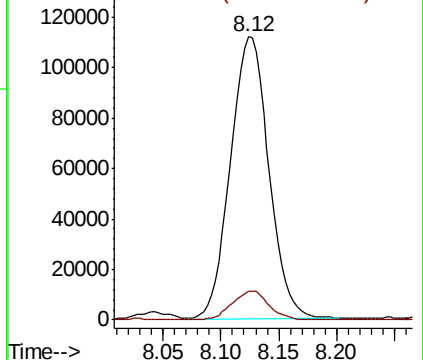


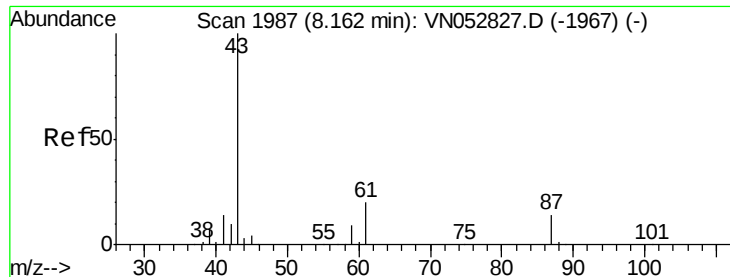
#42  
1,2-Dichloroethane  
Concen: 18.868 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion: 62 Resp: 256157  
Ion Ratio Lower Upper  
62 100  
98 9.8 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 25.292 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

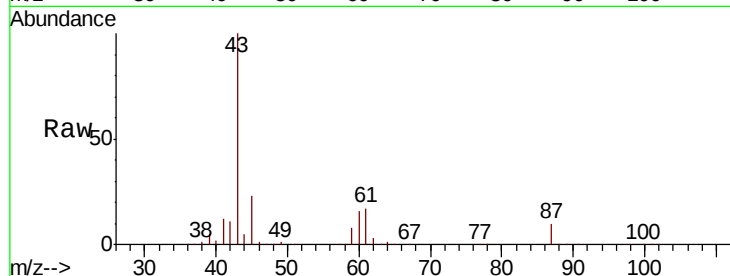
Tot Ion: 43 Resp: 468069

Ion Ratio Lower Upper

43 100

61 20.8 22.9 34.3#

87 9.3 10.6 15.8#

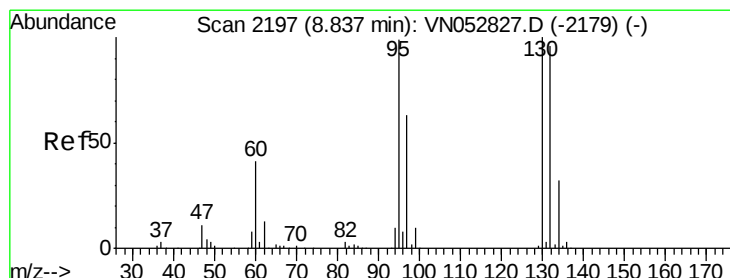
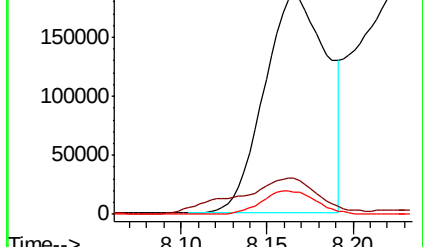
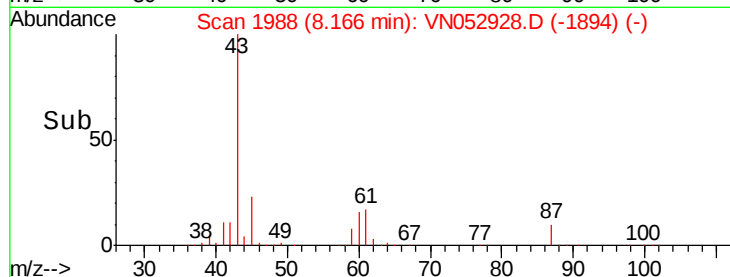


Abundance Ion 43.00 (42.70 to 43.70): VN052928.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052928.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052928.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 19.245 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052928.D

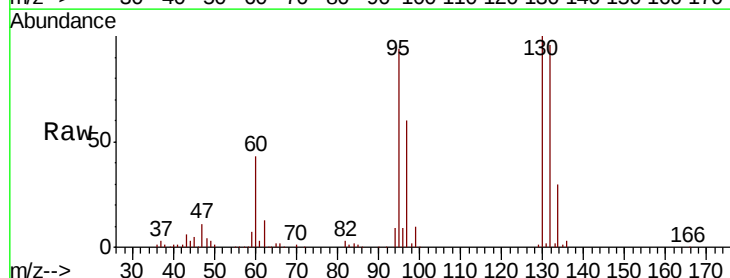
Acq: 17 Dec 2018 15:37

Tgt Ion:130 Resp: 234425

Ion Ratio Lower Upper

130 100

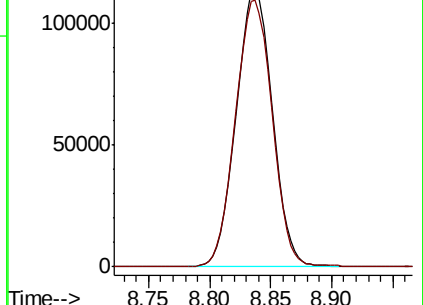
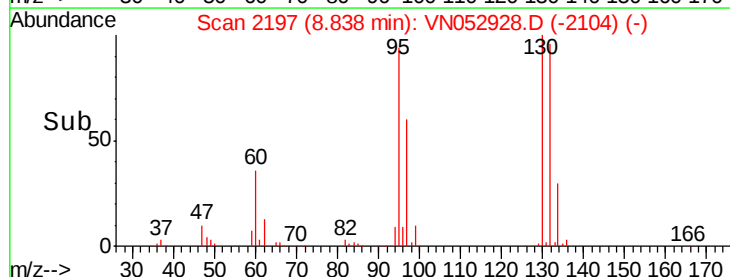
95 94.3 0.0 197.8

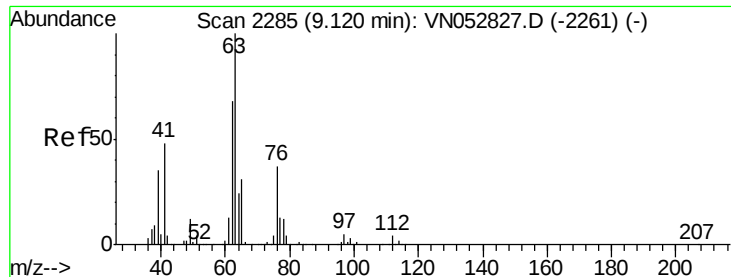


Abundance Ion 129.80 (129.50 to 130.50): VN052928.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN052928.D (-2104) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.614 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

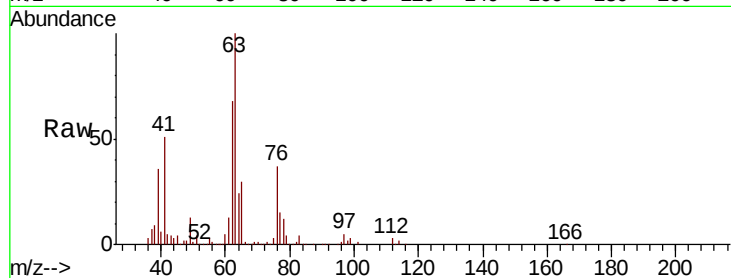
VN1217WBSD01

Tot Ion: 63 Resp: 231678

Ion Ratio Lower Upper

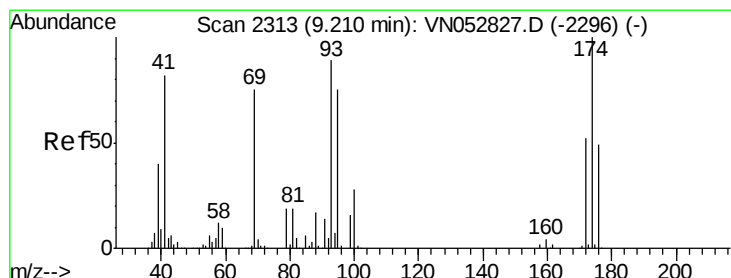
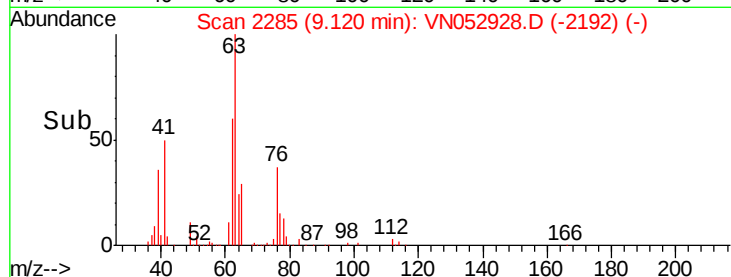
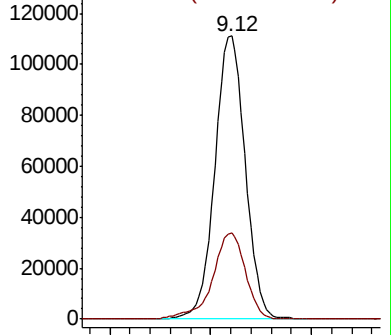
63 100

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: 19.133 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

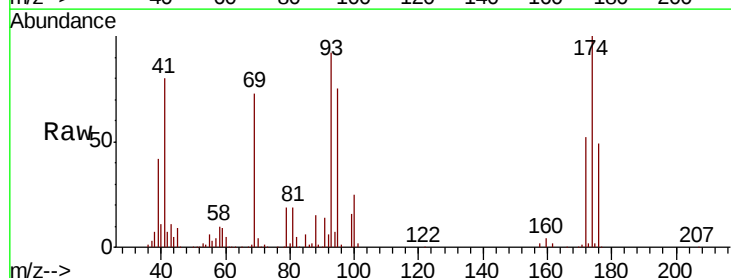
Tgt Ion: 93 Resp: 131066

Ion Ratio Lower Upper

93 100

95 83.6 67.8 101.6

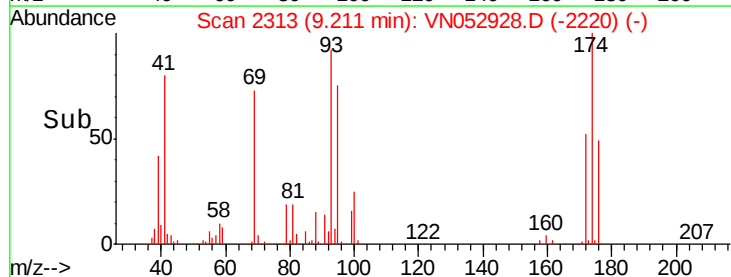
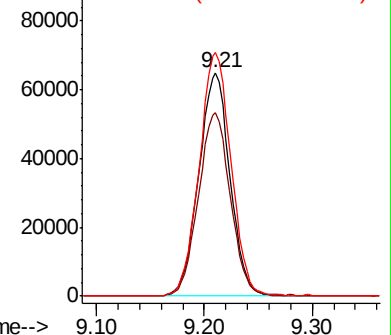
174 110.9 89.0 133.4

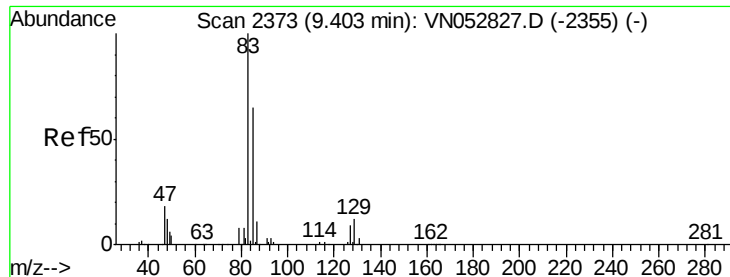


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.797 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

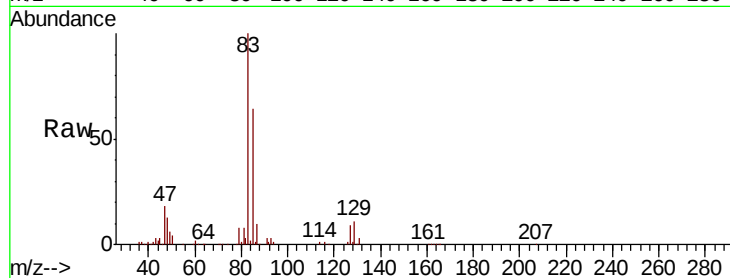
Tot Ion: 83 Resp: 281226

Ion Ratio Lower Upper

83 100

85 64.0 51.6 77.4

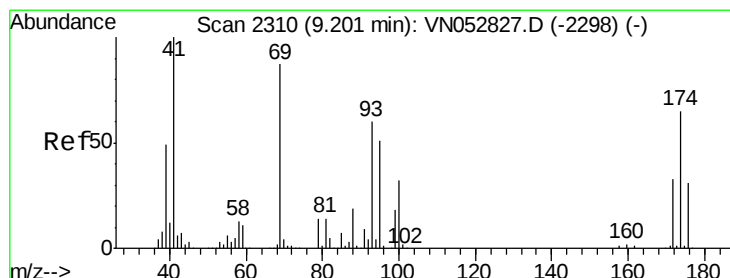
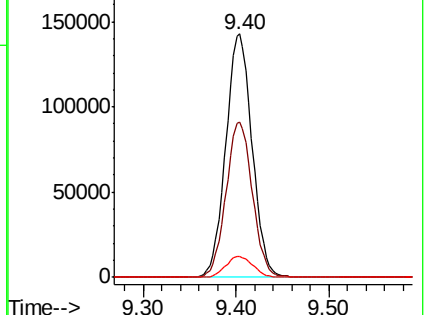
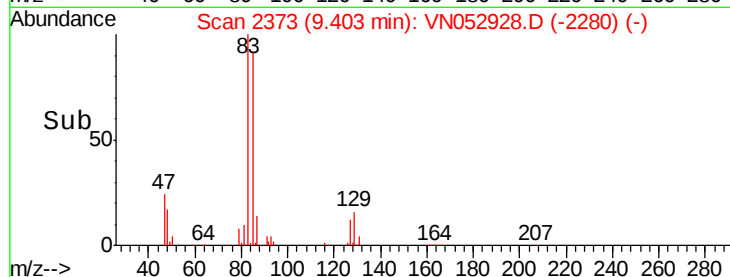
127 8.6 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052928.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052928.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052928.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.687 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

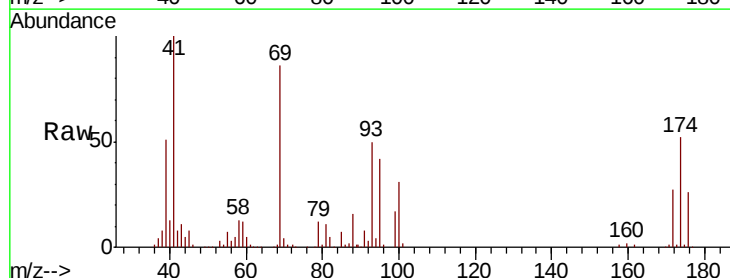
Tgt Ion: 41 Resp: 159780

Ion Ratio Lower Upper

41 100

69 91.3 72.2 108.2

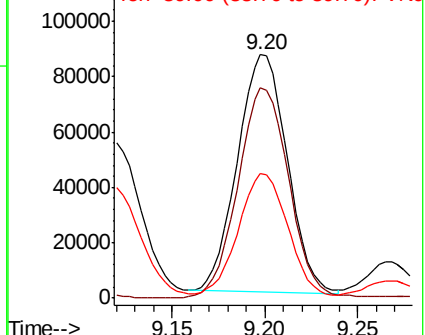
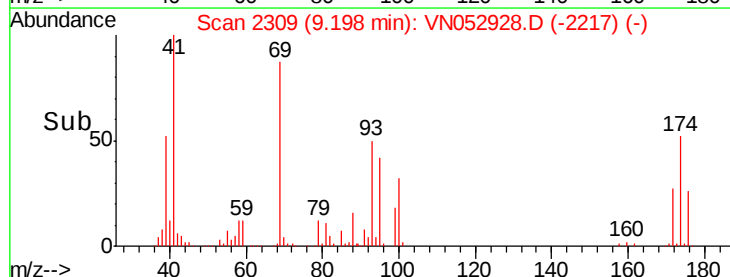
39 52.6 41.9 62.9

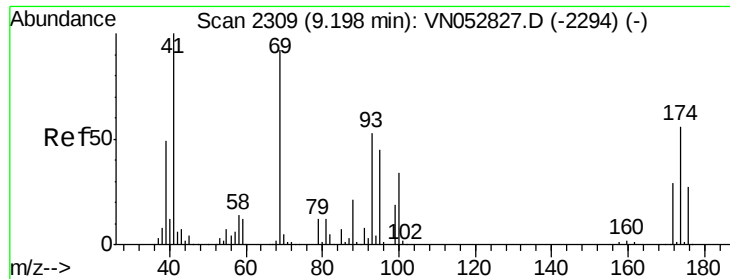


Abundance Ion 41.00 (40.70 to 41.70): VN052928.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052928.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052928.D (-2217) (-)





#49

1,4-Dioxane

Concen: 326.674 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

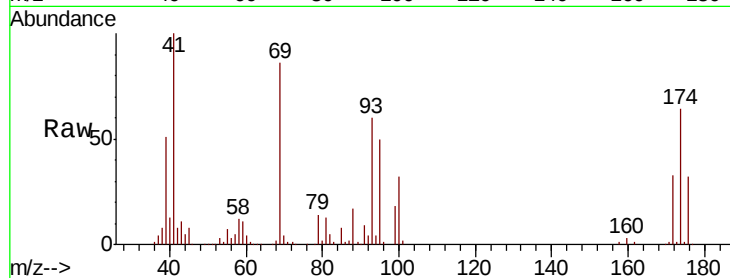
Tot Ion: 88 Resp: 30094

Ion Ratio Lower Upper

88 100

43 34.5 26.6 40.0

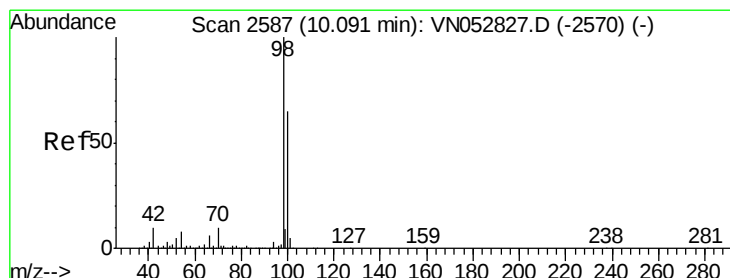
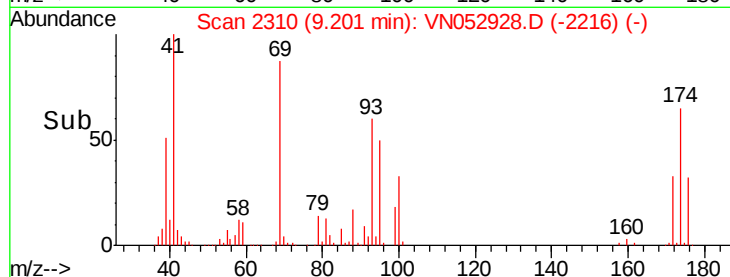
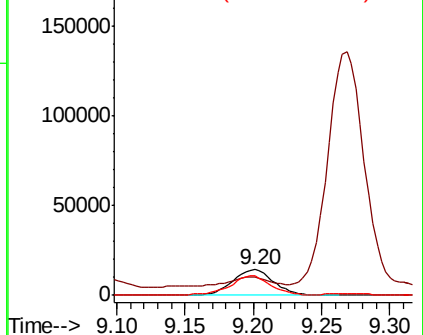
58 73.0 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN052928.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN052928.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN052928.D (-2216) (-)



#50

Toluene-d8

Concen: 326.674 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052928.D

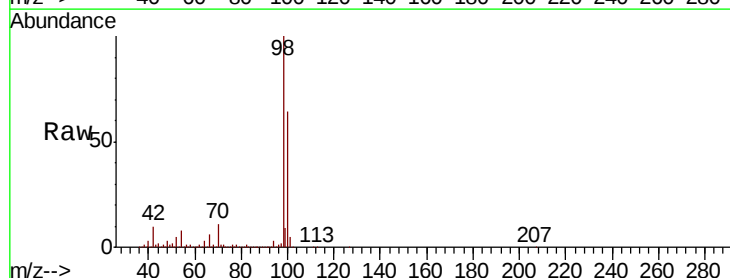
Acq: 17 Dec 2018 15:37

Tgt Ion: 98 Resp: 1980621

Ion Ratio Lower Upper

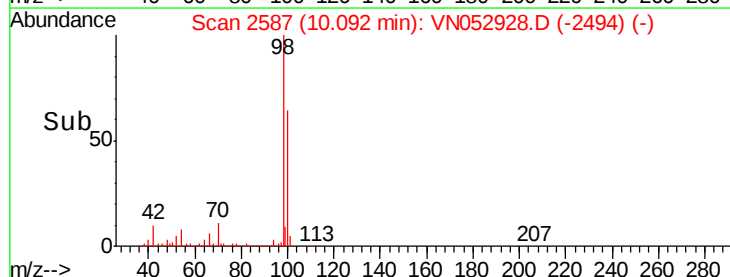
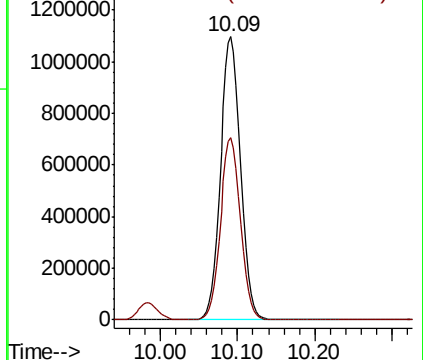
98 100

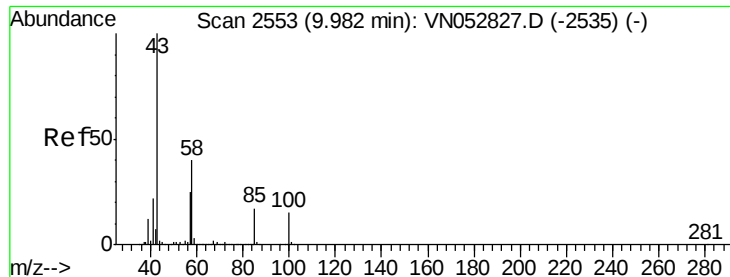
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052928.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052928.D (-2494) (-)

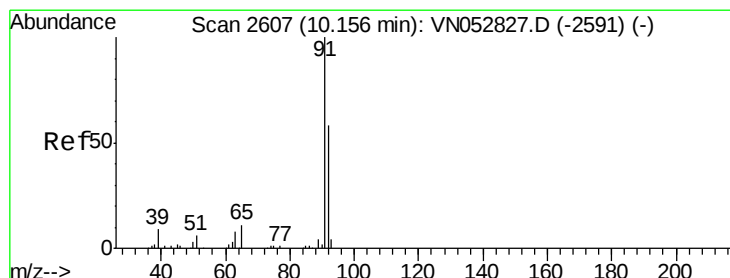
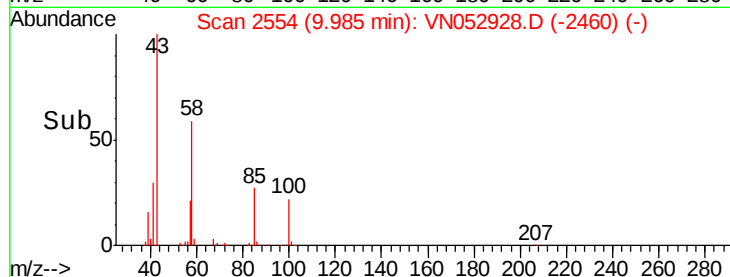
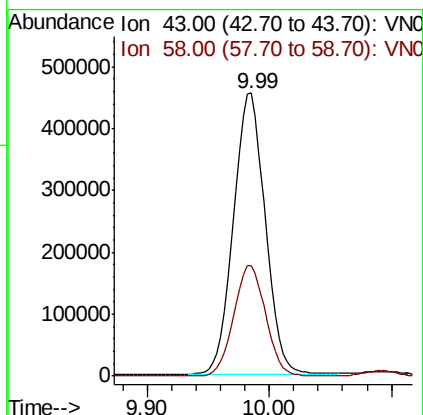
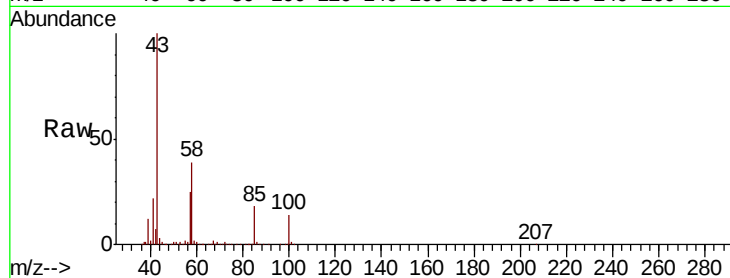




#51  
 4-Methyl-2-Pentanone  
 Concen: 96.172 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. 0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

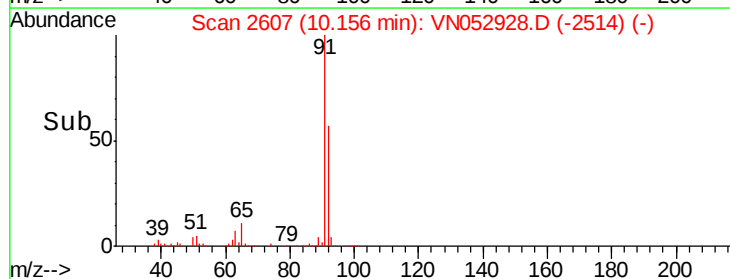
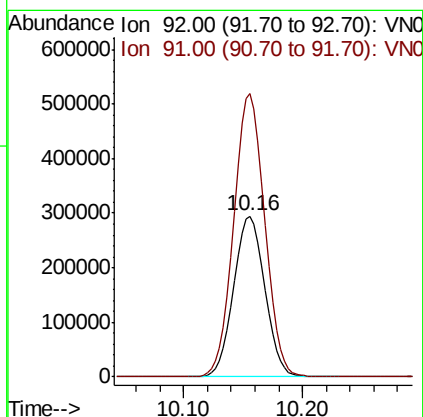
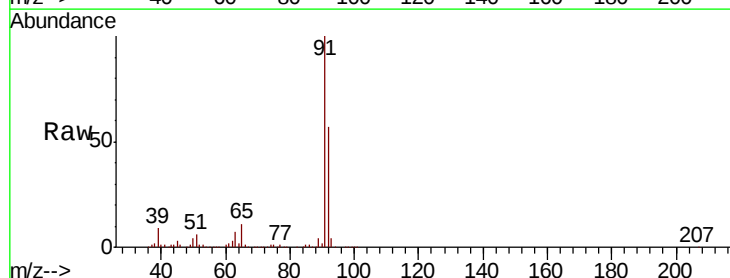
Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1217WBSD01

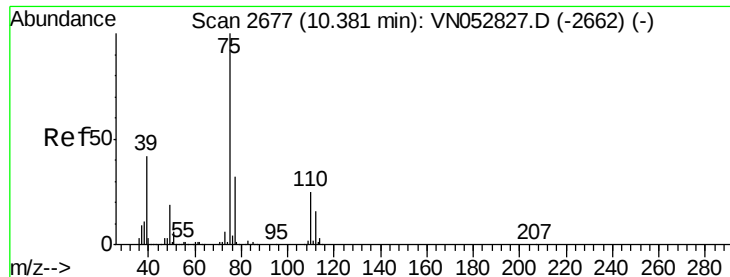
Tot Ion: 43 Resp: 816114  
 Ion Ratio Lower Upper  
 43 100  
 58 39.6 32.2 48.4



#52  
 Toluene  
 Concen: 19.571 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. 0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

Tgt Ion: 92 Resp: 534554  
 Ion Ratio Lower Upper  
 92 100  
 91 174.9 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 20.691 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

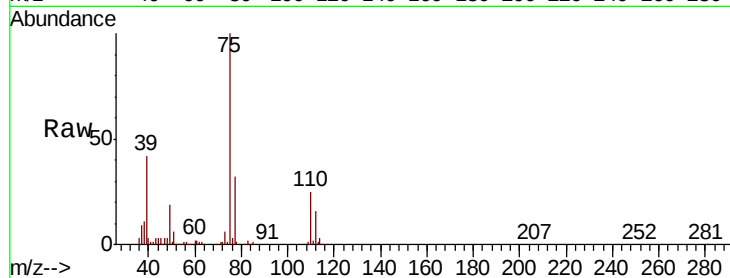
VN1217WBSD01

Tot Ion: 75 Resp: 295775

Ion Ratio Lower Upper

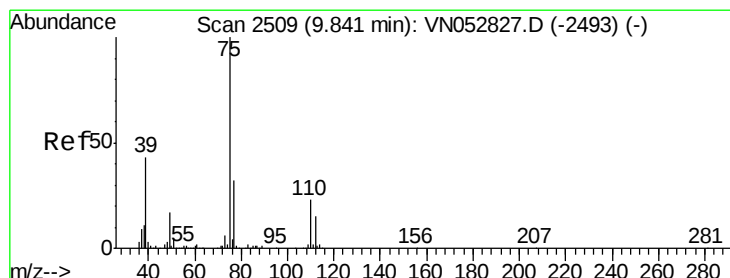
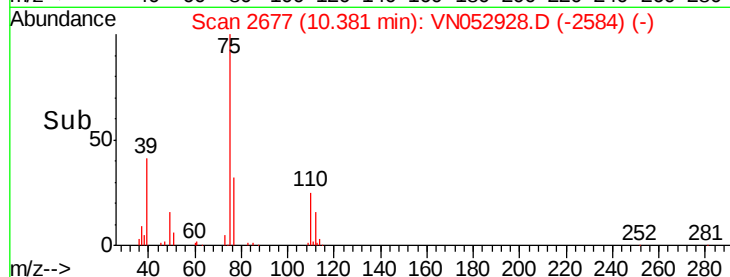
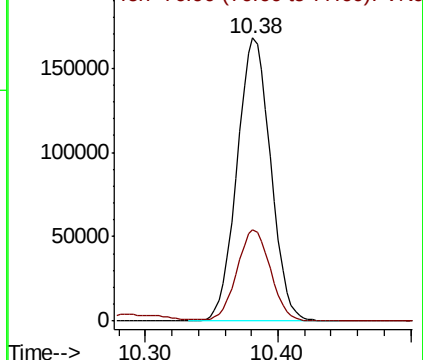
75 100

77 32.1 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.551 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

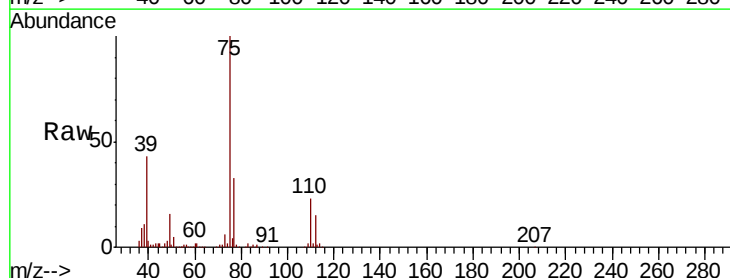
Tgt Ion: 75 Resp: 333033

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8

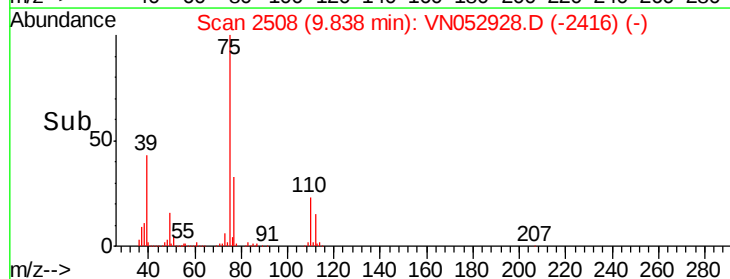
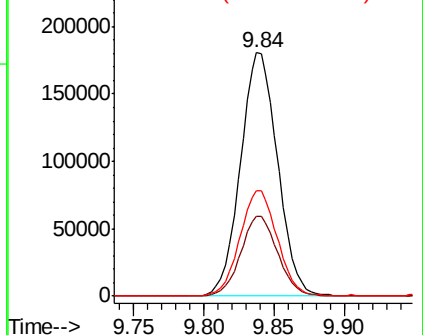
39 43.3 34.8 52.2

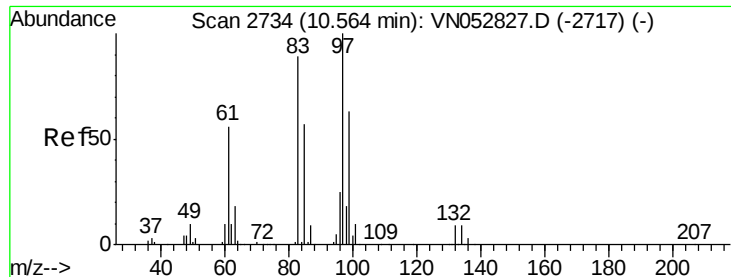


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

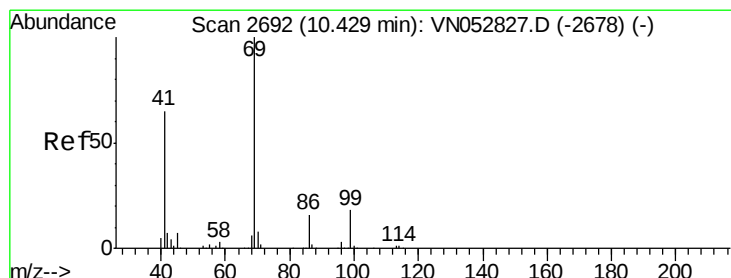
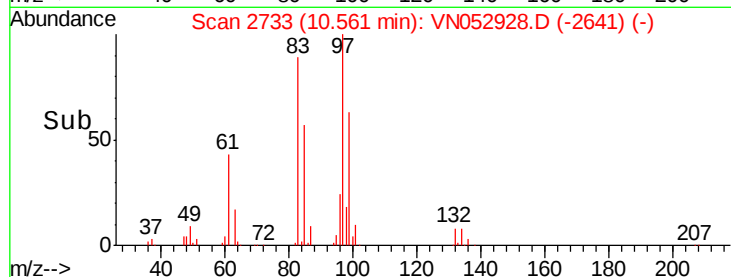
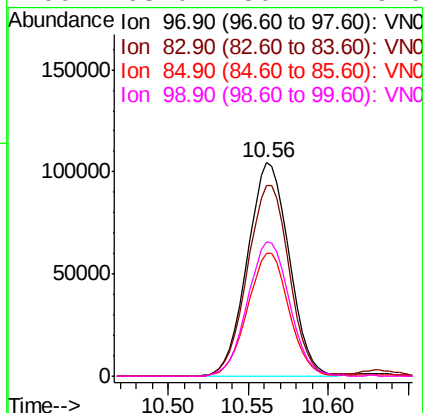
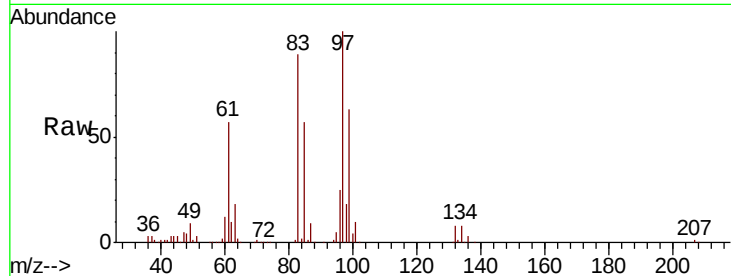




#55  
 1,1,2-Trichloroethane  
 Concen: 19.173 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

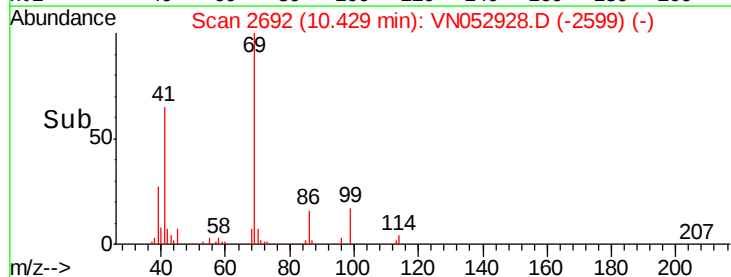
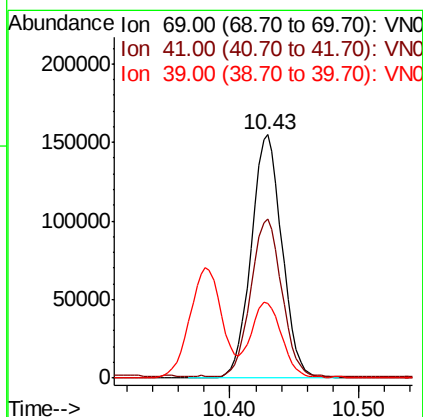
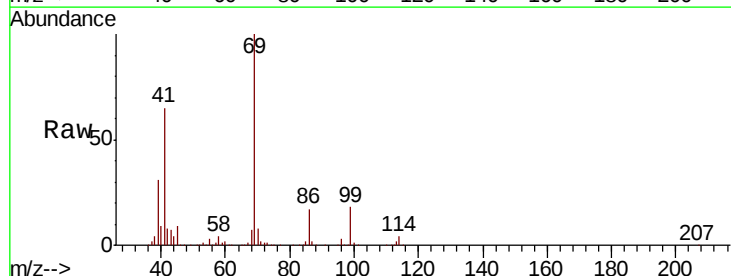
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

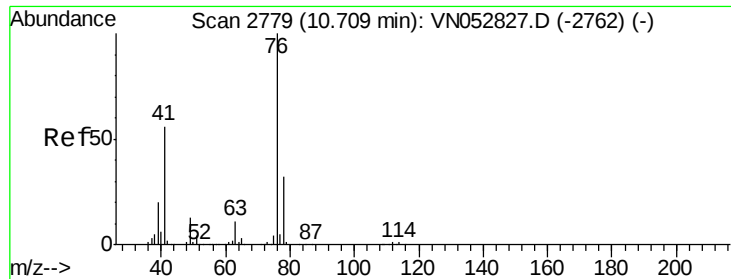
Tot Ion: 97 Resp: 186936  
 Ion Ratio Lower Upper  
 97 100  
 83 89.3 70.9 106.3  
 85 57.4 45.4 68.2  
 99 63.0 50.4 75.6



#56  
 Ethyl methacrylate  
 Concen: 20.611 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

Tgt Ion: 69 Resp: 257899  
 Ion Ratio Lower Upper  
 69 100  
 41 65.3 51.7 77.5  
 39 30.5 24.6 37.0

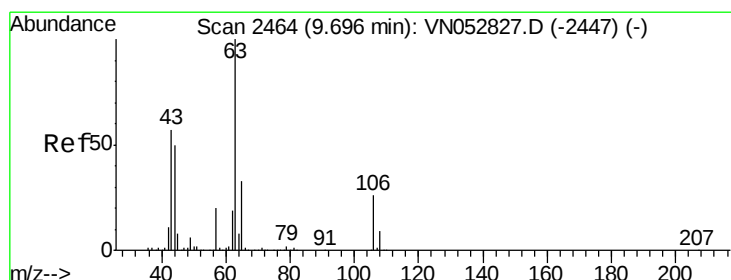
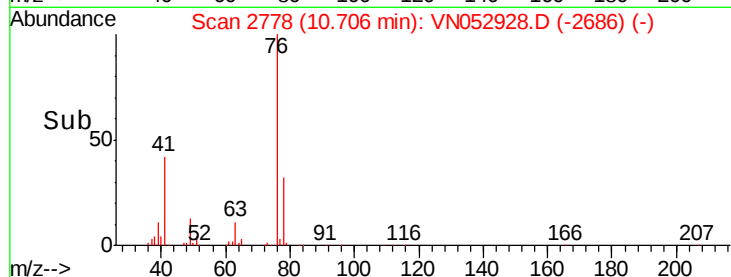
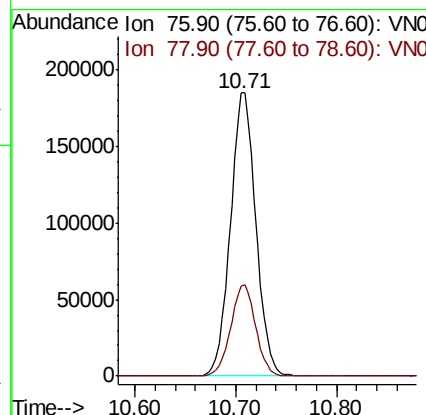
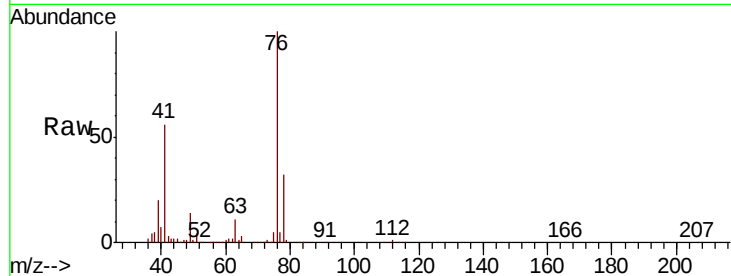




#57  
 1,3-Dichloropropane  
 Concen: 19.501 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. -0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

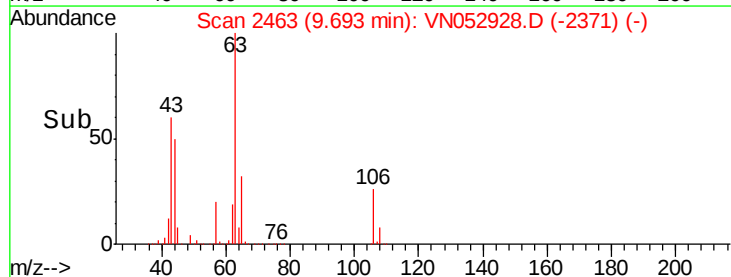
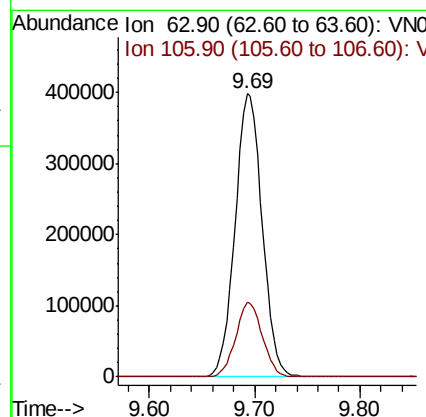
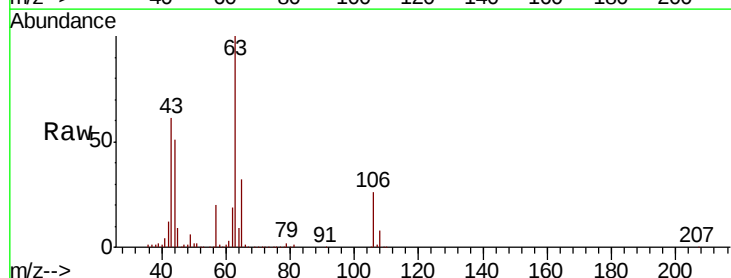
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

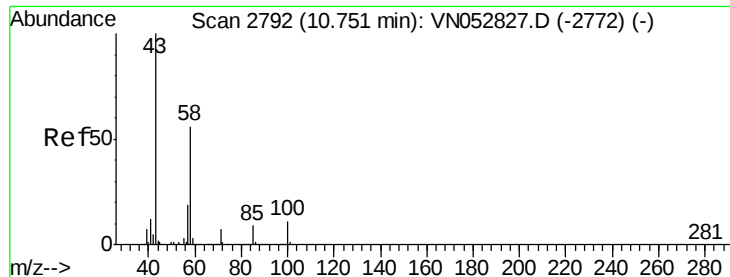
Tot Ion: 76 Resp: 326060  
 Ion Ratio Lower Upper  
 76 100  
 78 31.6 25.8 38.8



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 101.307 ug/l  
 RT: 9.69 min Scan# 2463  
 Delta R.T. -0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

Tgt Ion: 63 Resp: 707308  
 Ion Ratio Lower Upper  
 63 100  
 106 26.0 21.0 31.6

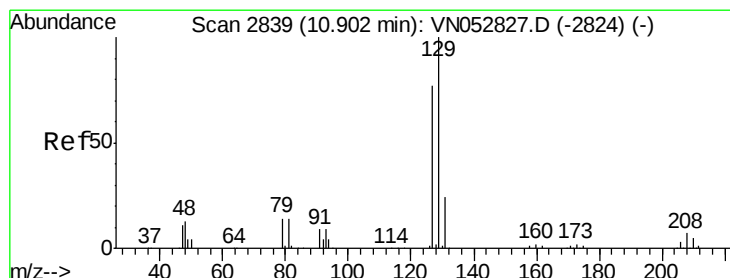
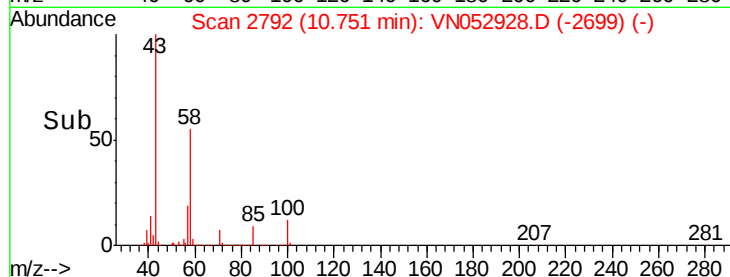
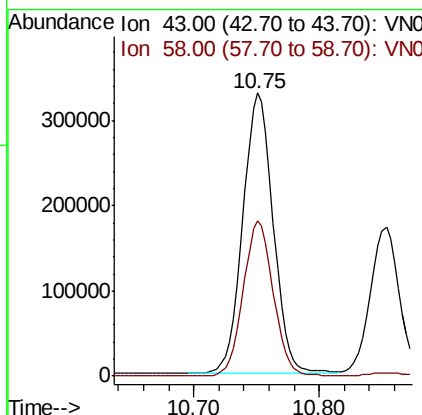
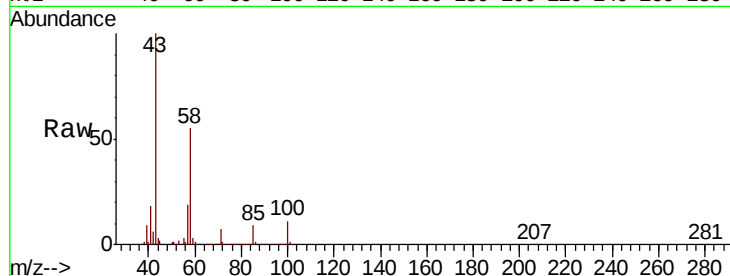




#59  
2-Hexanone  
Concen: 95.081 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

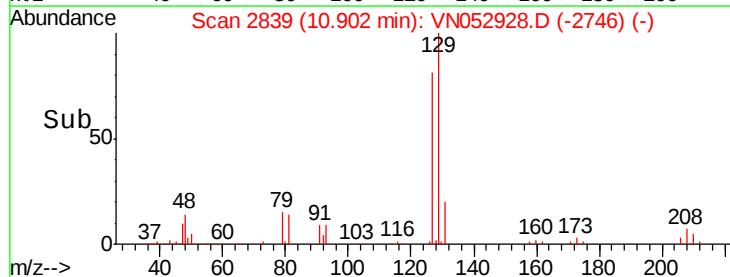
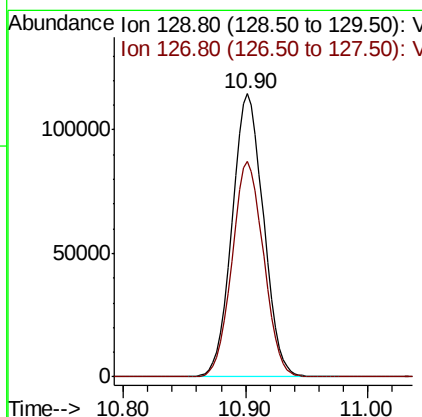
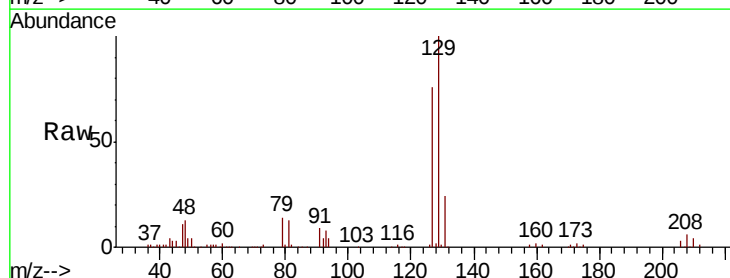
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

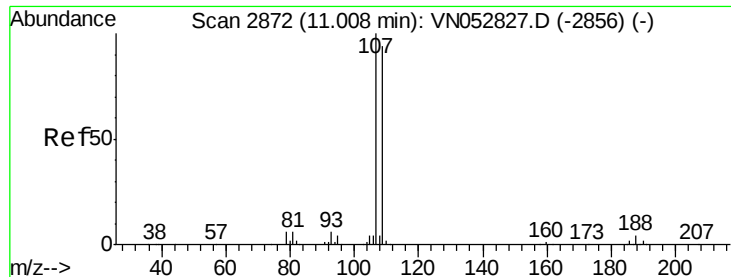
Tot Ion: 43 Resp: 552957  
Ion Ratio Lower Upper  
43 100  
58 54.4 28.1 84.3



#60  
Dibromochloromethane  
Concen: 19.438 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion: 129 Resp: 204830  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.6 116.0

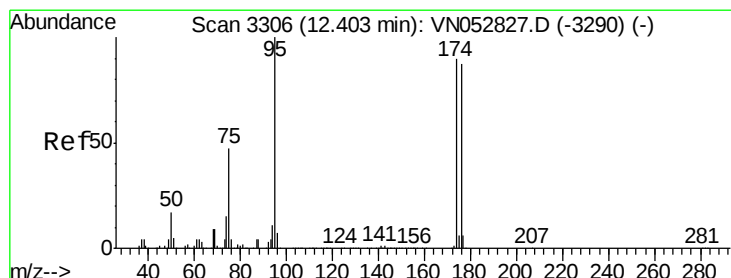
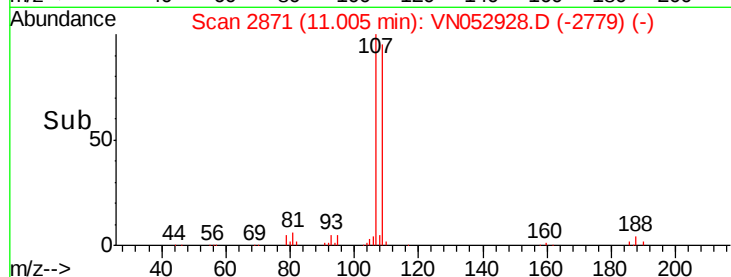
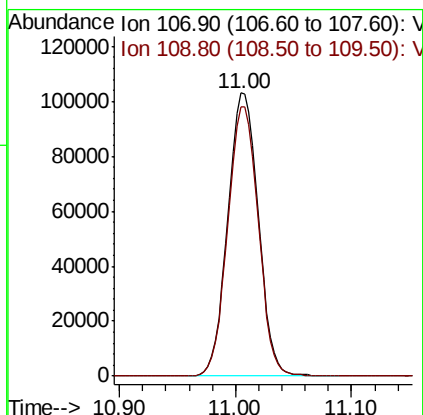
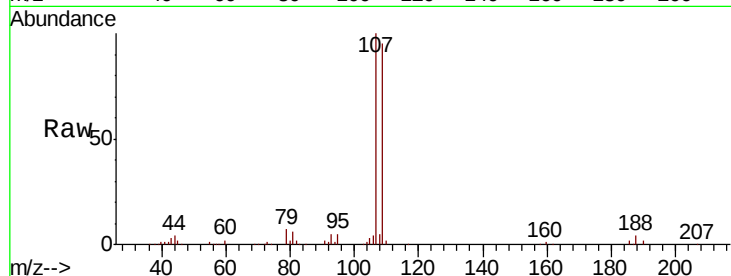




#61  
 1,2-Dibromoethane  
 Concen: 19.432 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

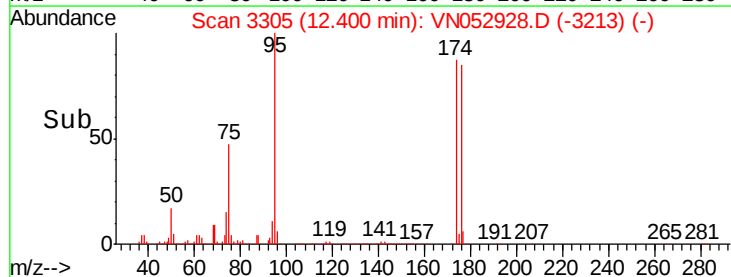
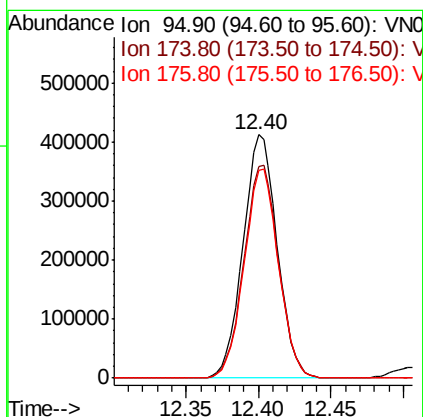
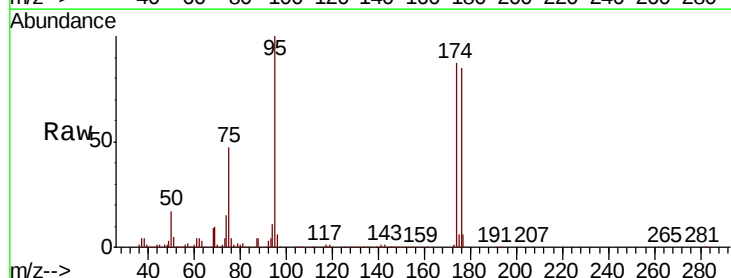
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

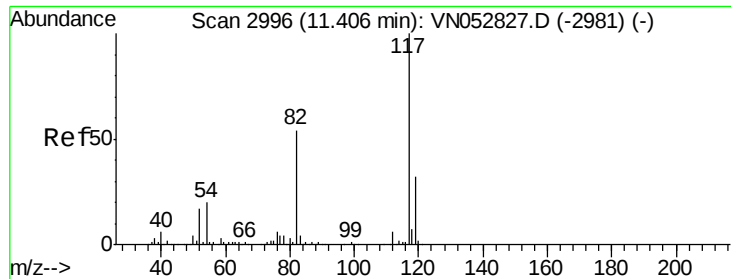
Tot Ion: 107 Resp: 187281  
 Ion Ratio Lower Upper  
 107 100  
 109 95.3 75.4 113.0



#62  
 4-Bromofluorobenzene  
 Concen: 19.432 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

Tgt Ion: 95 Resp: 675931  
 Ion Ratio Lower Upper  
 95 100  
 174 88.6 0.0 178.8  
 176 86.4 0.0 173.8

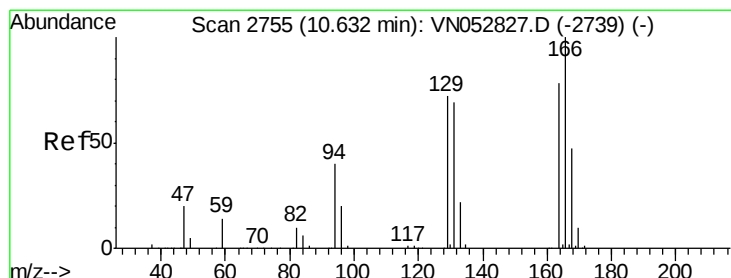
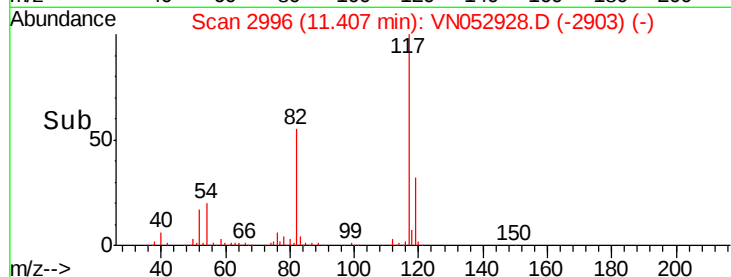
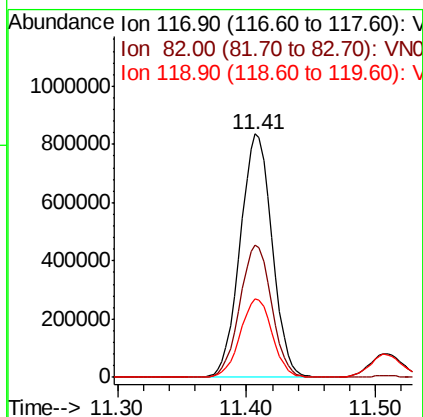
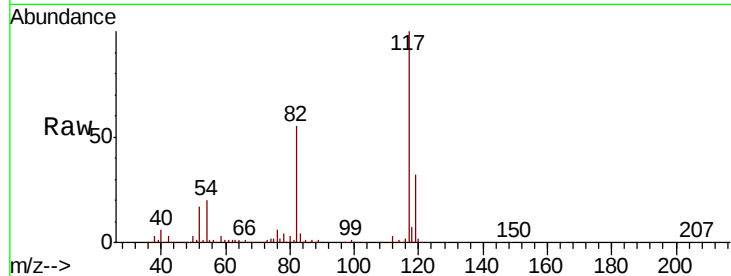




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

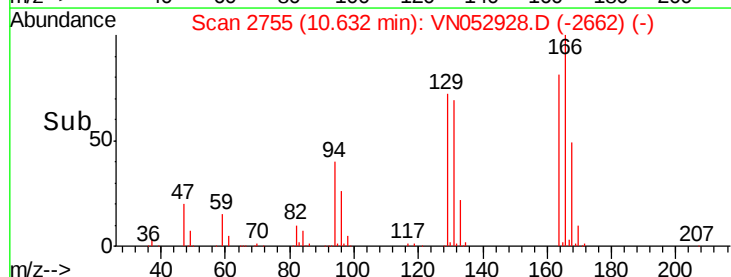
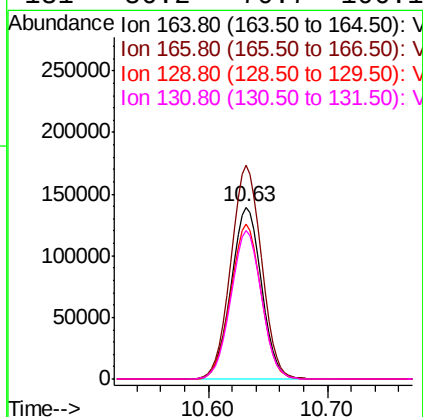
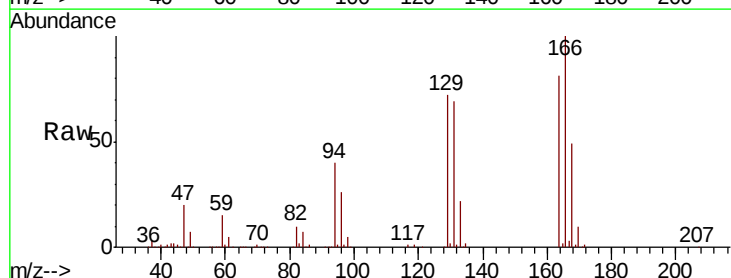
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

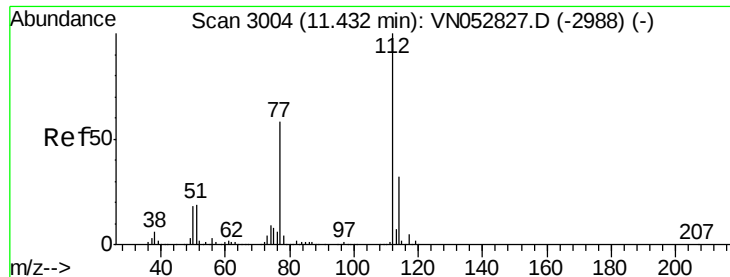
Tot Ion:117 Resp: 1440845  
Ion Ratio Lower Upper  
117 100  
82 54.5 42.8 64.2  
119 32.2 25.5 38.3



#64  
Tetrachloroethene  
Concen: 19.891 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion:164 Resp: 246321  
Ion Ratio Lower Upper  
164 100  
166 124.2 102.9 154.3  
129 89.9 73.7 110.5  
131 86.2 70.7 106.1

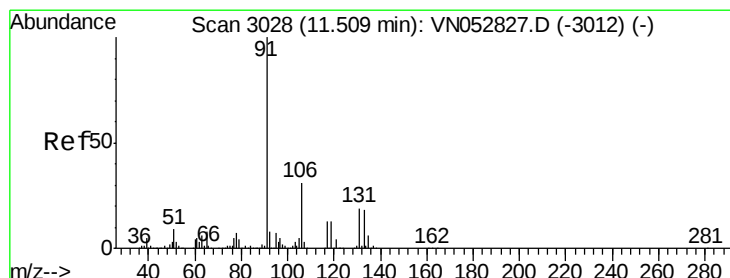
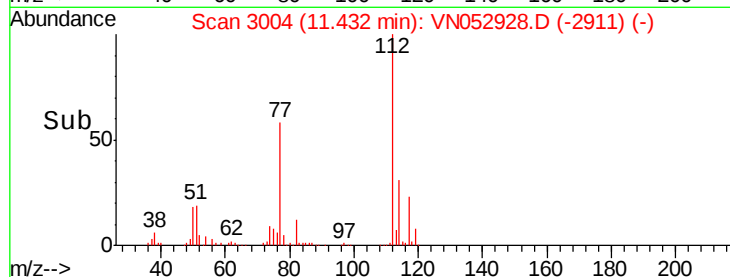
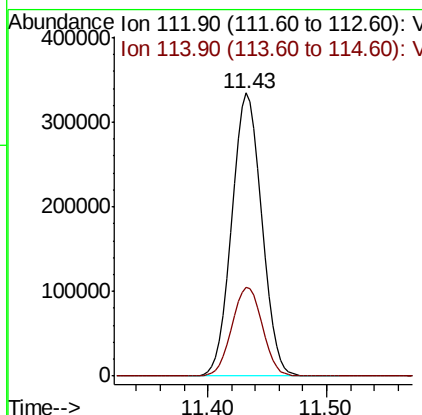
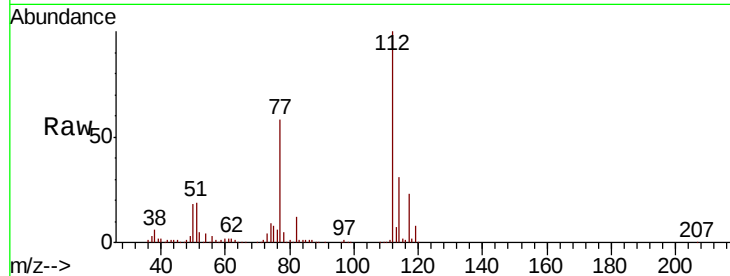




#65  
Chlorobenzene  
Concen: 19.545 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

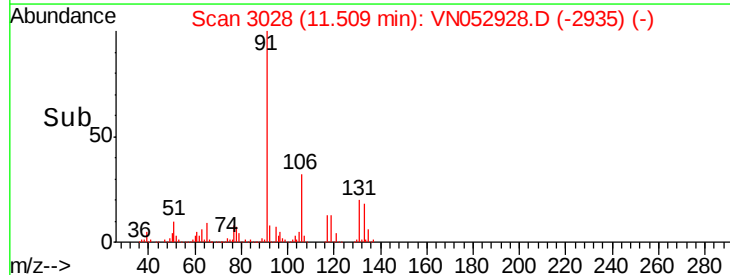
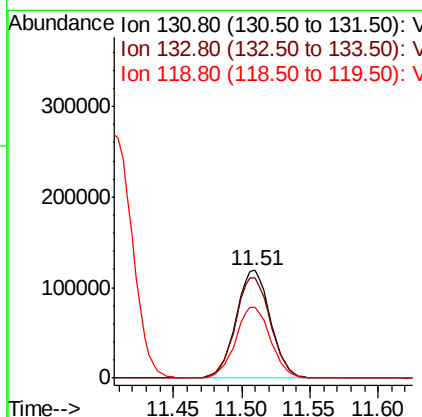
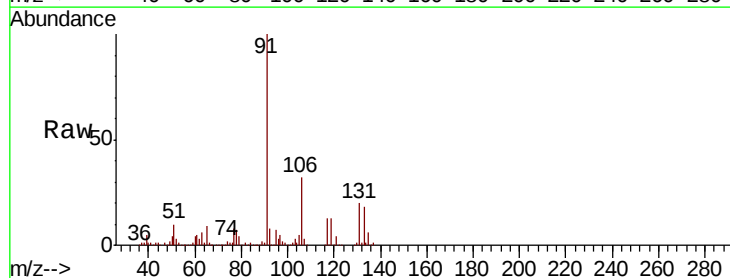
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

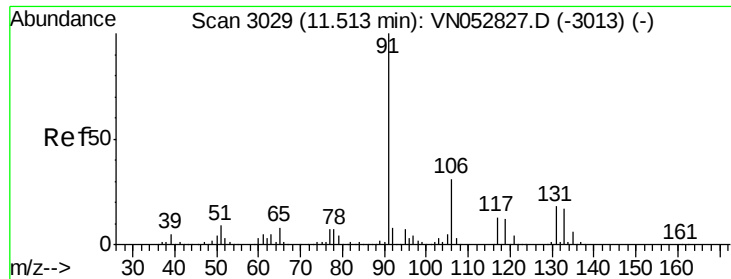
Tot Ion:112 Resp: 584256  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.992 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion:131 Resp: 207842  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.6 142.9  
119 66.6 33.3 99.8

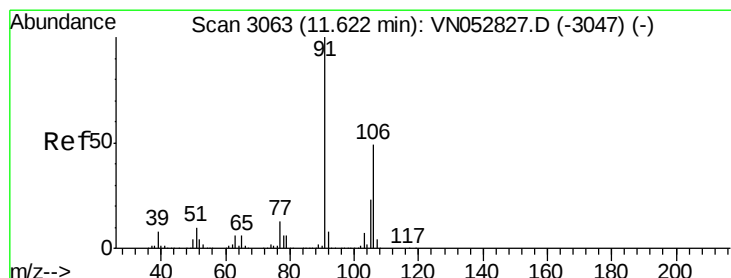
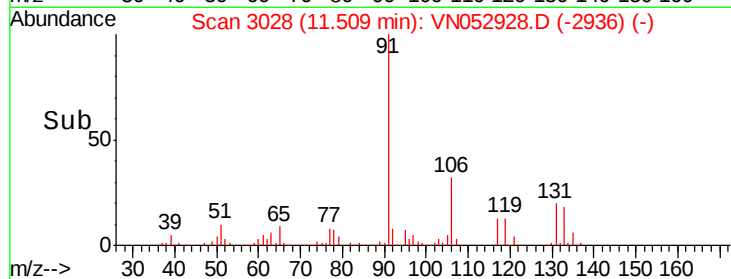
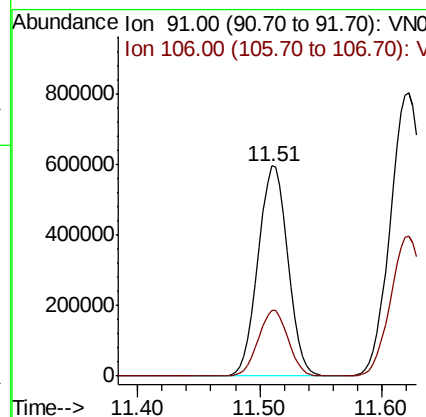
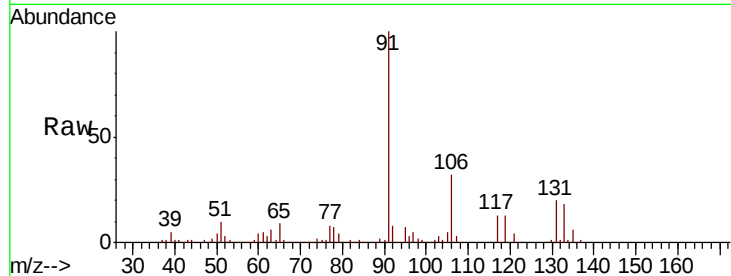




#67  
Ethyl Benzene  
Concen: 19.572 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

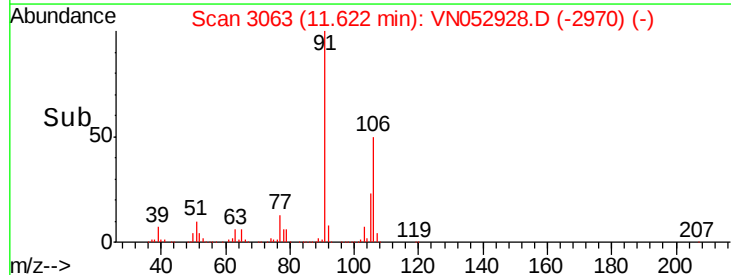
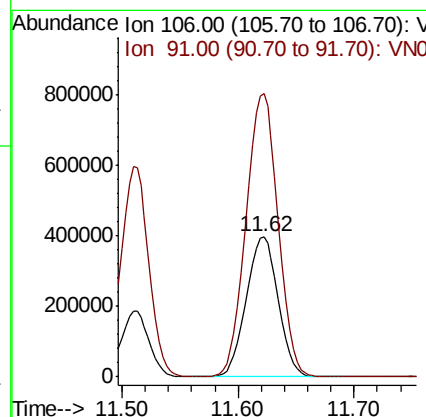
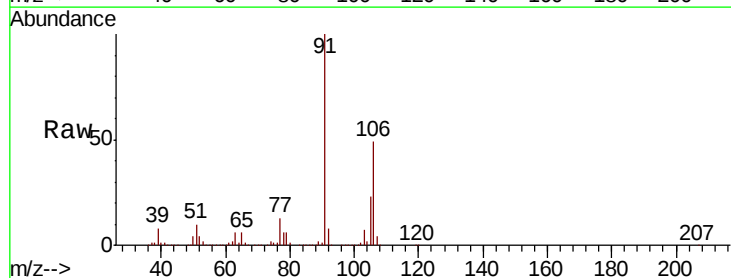
Instrument :  
MSVOA\_N  
ClientSampled :  
VN1217WBSD01

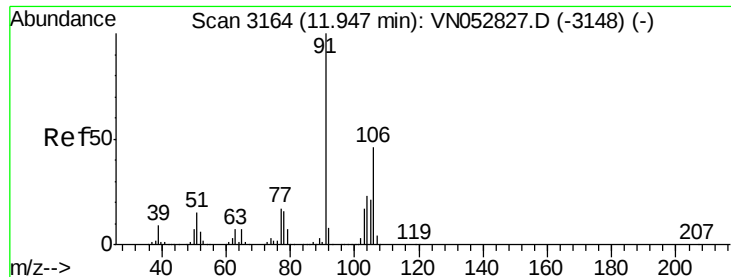
Tot Ion: 91 Resp: 1004693  
Ion Ratio Lower Upper  
91 100  
106 31.5 24.9 37.3



#68  
m/p-Xylenes  
Concen: 39.554 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion: 106 Resp: 762426  
Ion Ratio Lower Upper  
106 100  
91 202.5 162.2 243.4

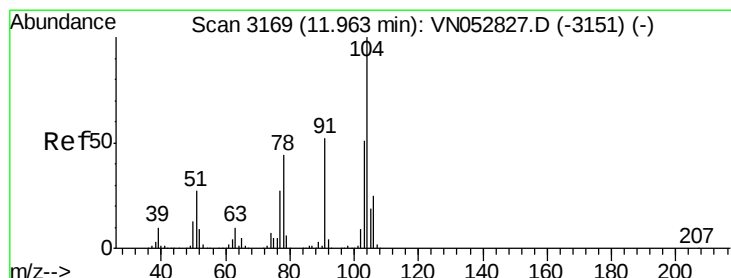
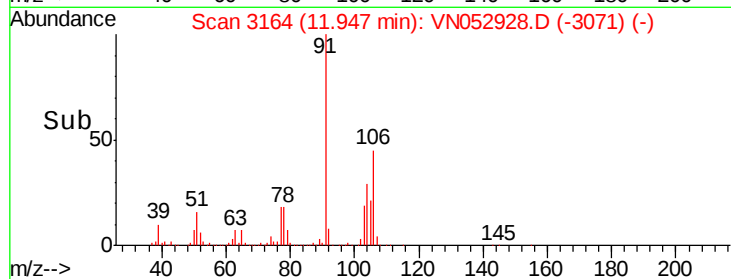
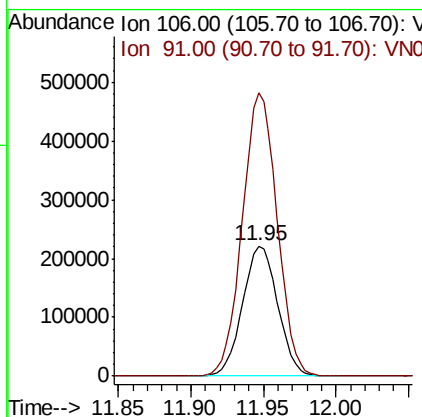
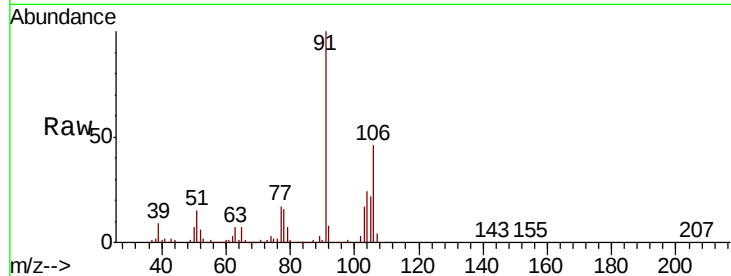




#69  
o-Xylene  
Concen: 19.855 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

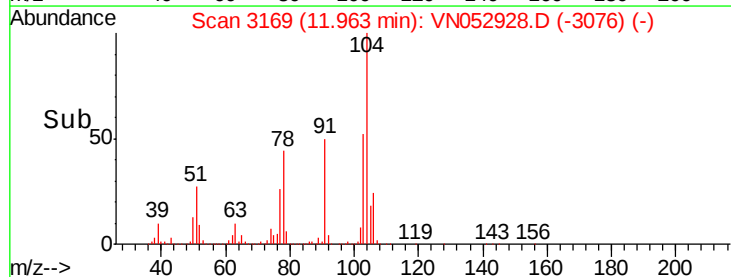
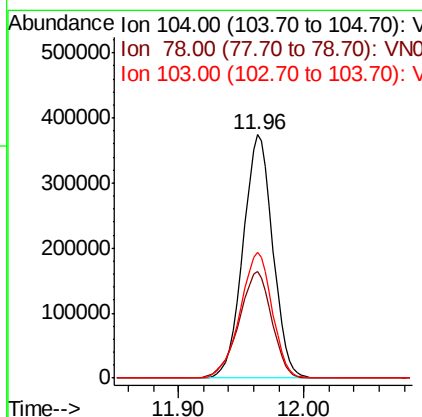
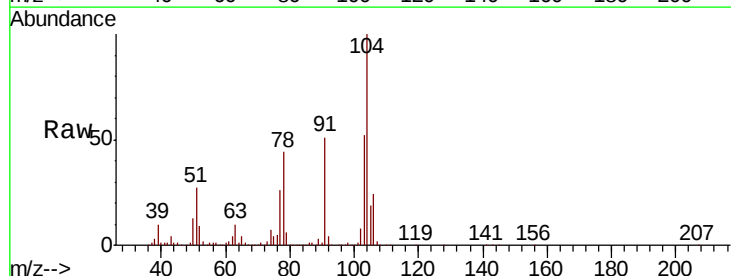
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ClientSampled :  
VN1217WBSD01

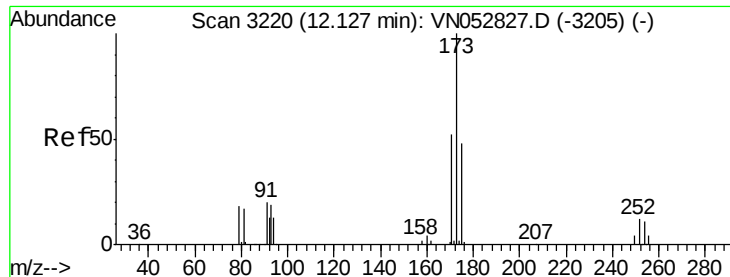
Tot Ion:106 Resp: 373716  
Ion Ratio Lower Upper  
106 100  
91 215.0 106.6 319.8



#70  
Styrene  
Concen: 20.355 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Tgt Ion:104 Resp: 615889  
Ion Ratio Lower Upper  
104 100  
78 48.5 38.9 58.3  
103 55.9 44.3 66.5





#71

Bromoform

Concen: 19.094 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

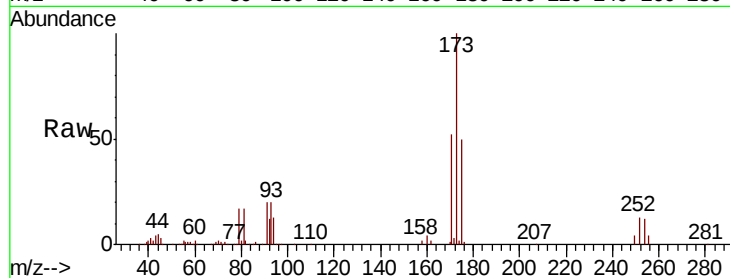
Tot Ion:173 Resp: 134855

Ion Ratio Lower Upper

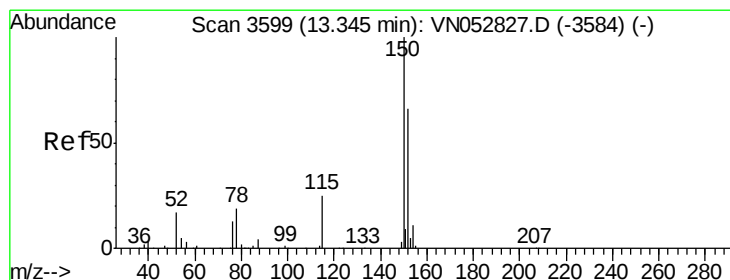
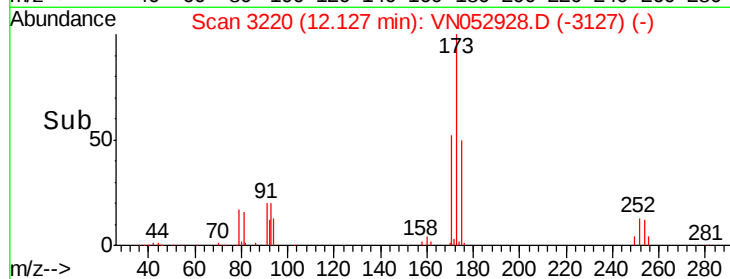
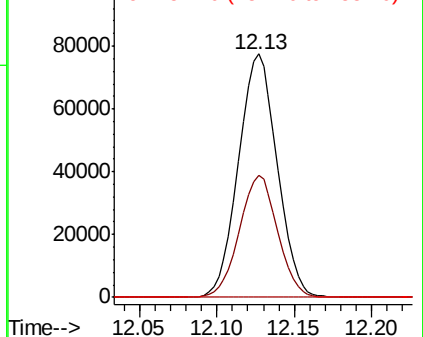
173 100

175 49.3 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

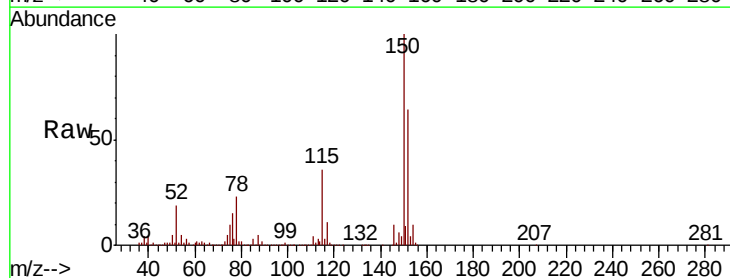
Tgt Ion:152 Resp: 677416

Ion Ratio Lower Upper

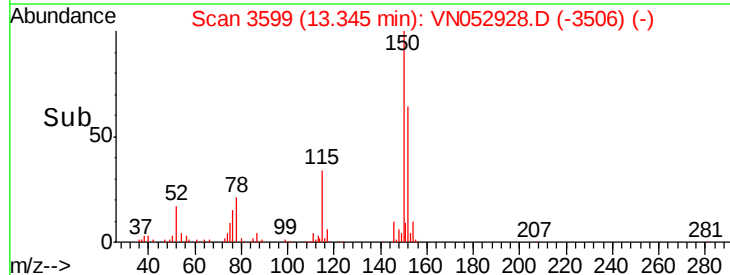
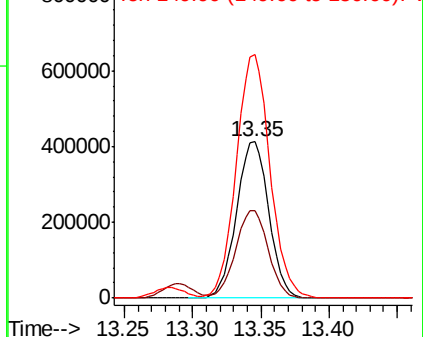
152 100

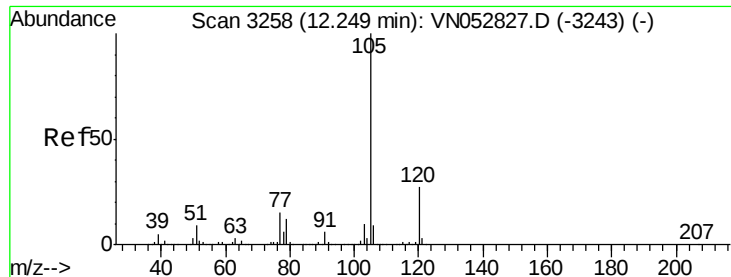
115 56.5 28.3 85.0

150 162.6 0.0 347.8



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





#73

Isopropylbenzene

Concen: 19.533 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

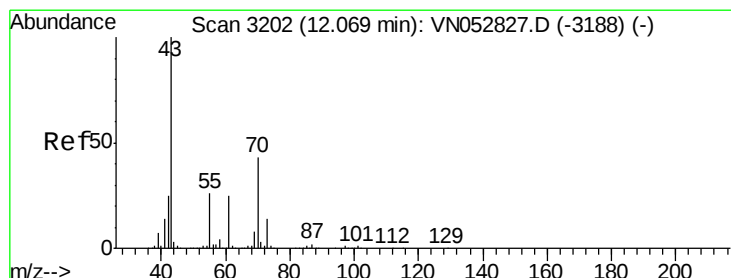
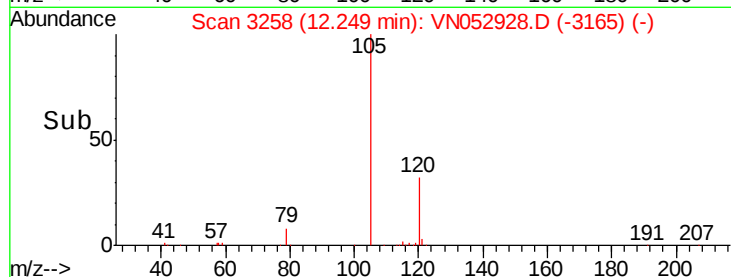
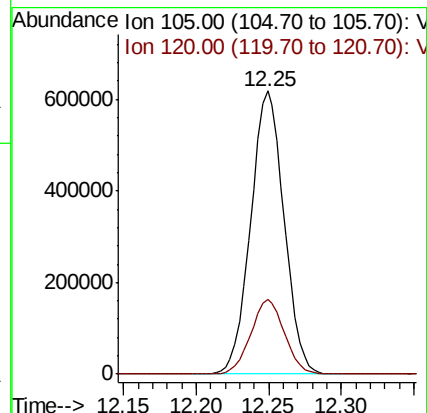
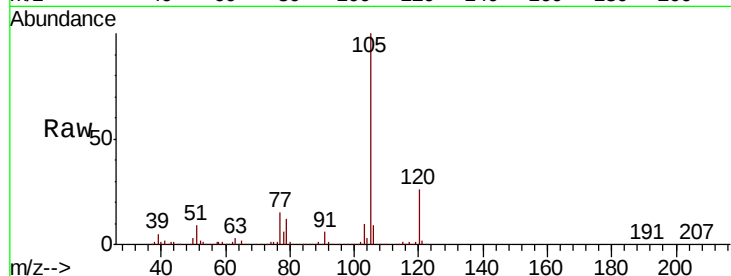
VN1217WBSD01

Tot Ion:105 Resp: 987930

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 21.926 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Tgt Ion: 43 Resp: 304453

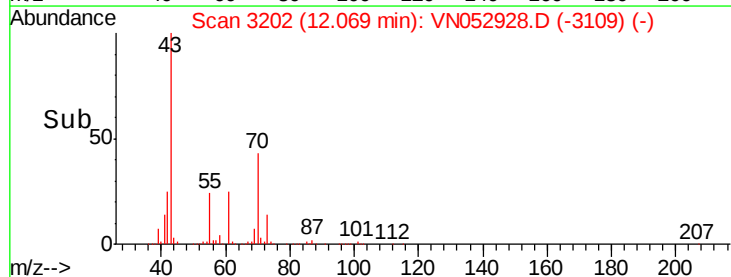
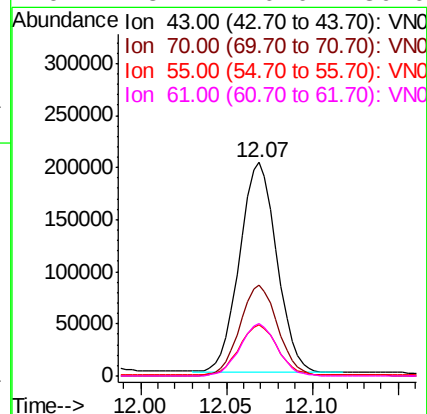
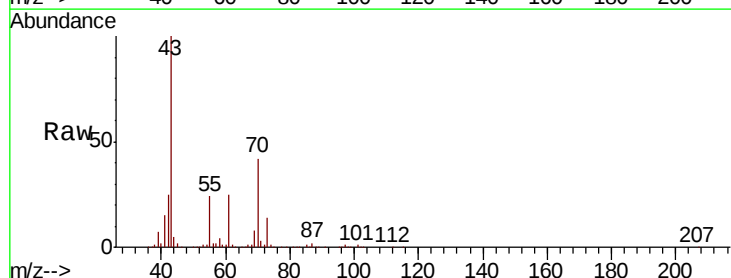
Ion Ratio Lower Upper

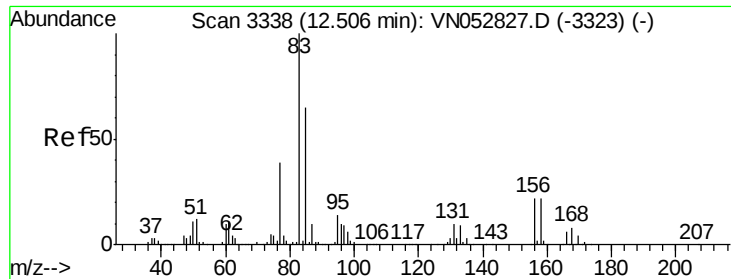
43 100

70 43.4 34.2 51.4

55 24.1 20.3 30.5

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.378 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

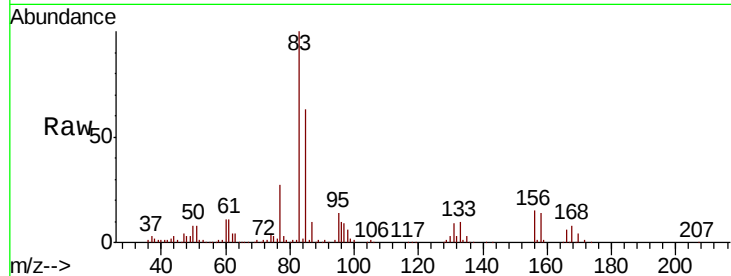
Tot Ion: 83 Resp: 219660

Ion Ratio Lower Upper

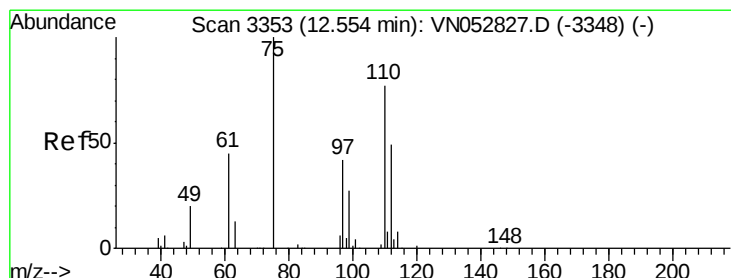
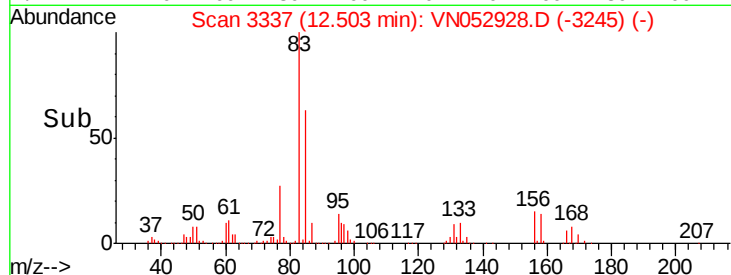
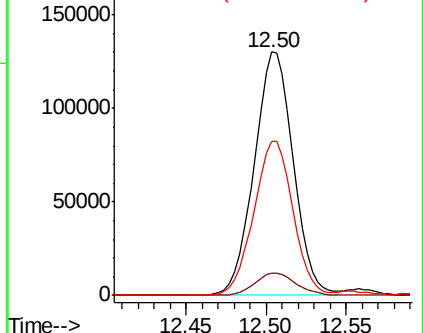
83 100

131 9.6 5.2 15.6

85 63.4 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 28.558 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052928.D

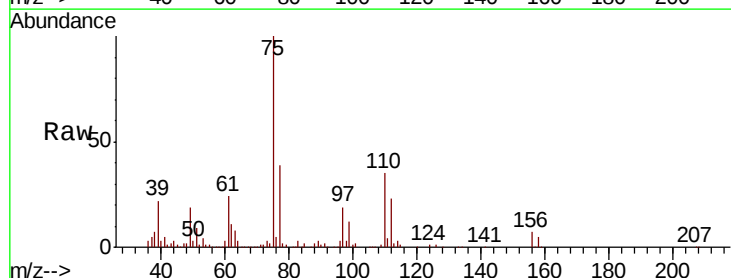
Acq: 17 Dec 2018 15:37

Tgt Ion: 75 Resp: 285428

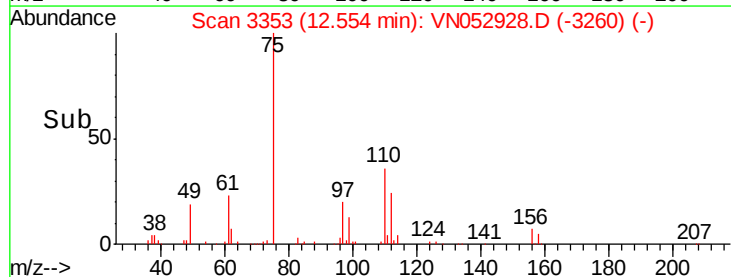
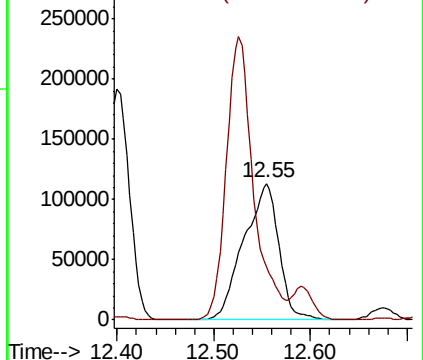
Ion Ratio Lower Upper

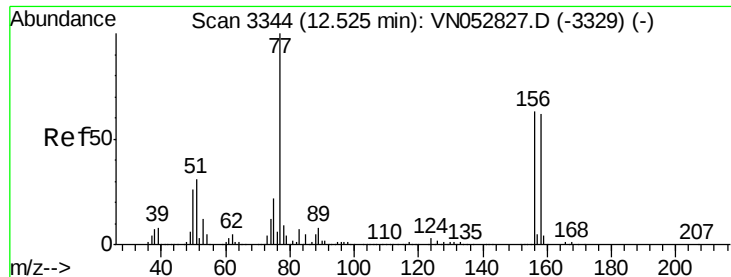
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.904 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

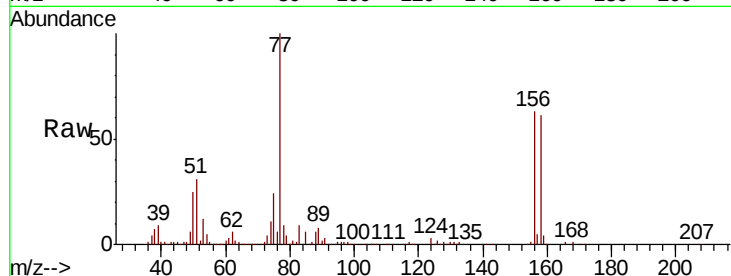
Tot Ion:156 Resp: 256059

Ion Ratio Lower Upper

156 100

77 179.1 91.3 273.8

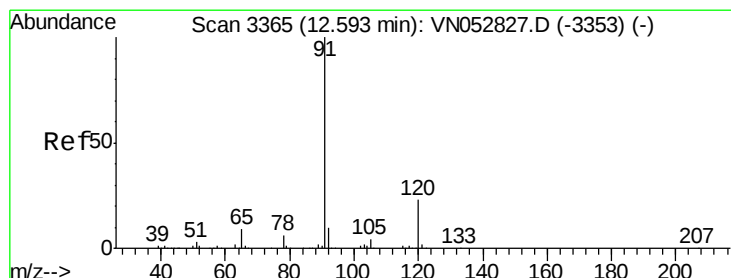
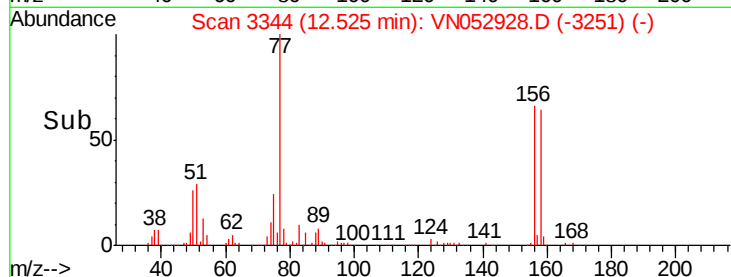
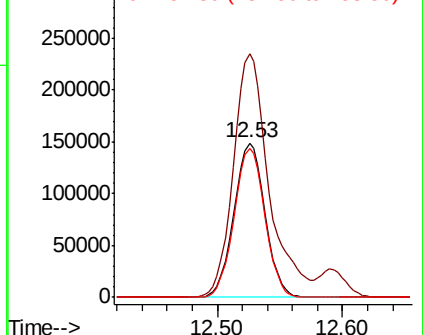
158 95.2 49.0 147.2



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: 19.484 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052928.D

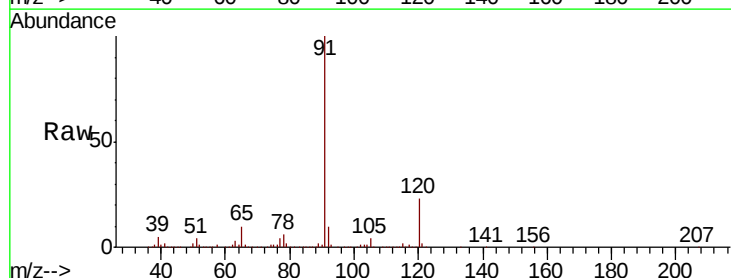
Acq: 17 Dec 2018 15:37

Tgt Ion: 91 Resp: 1123916

Ion Ratio Lower Upper

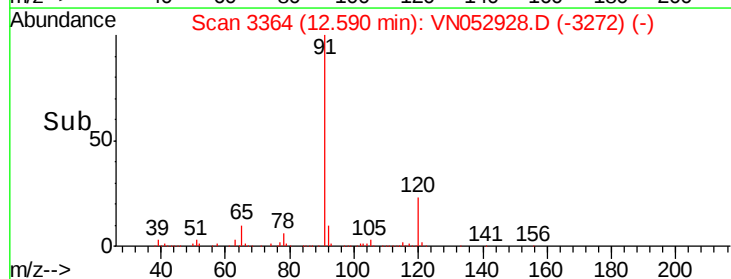
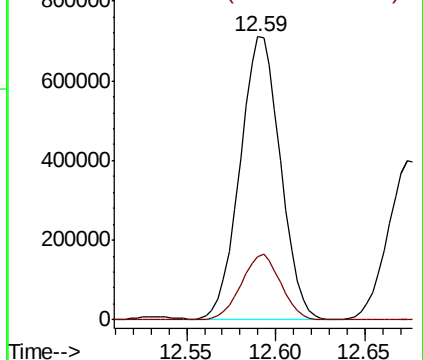
91 100

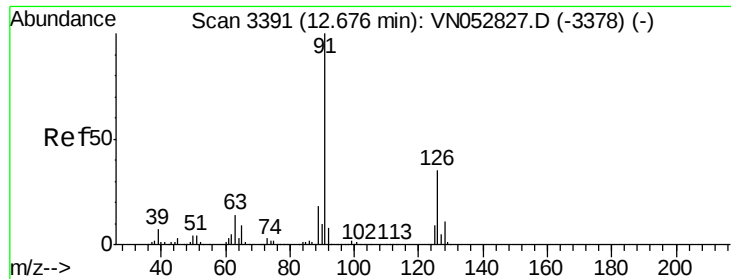
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.390 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

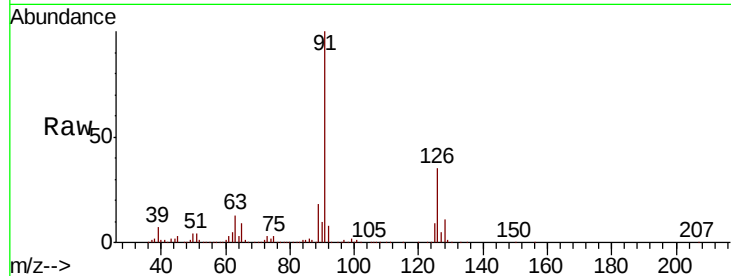
VN1217WBSD01

Tot Ion: 91 Resp: 661227

Ion Ratio Lower Upper

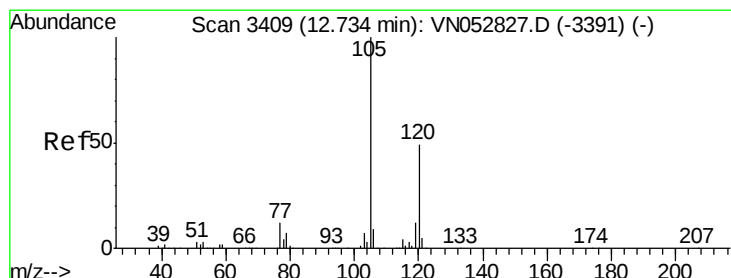
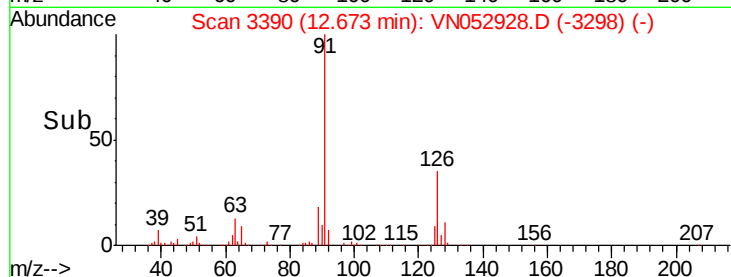
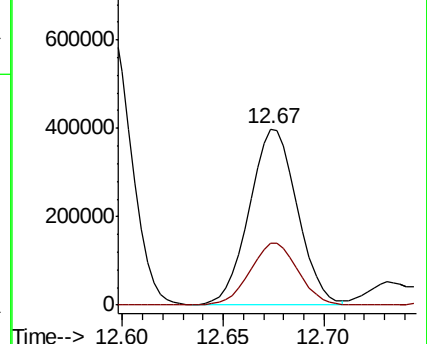
91 100

126 35.2 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052827.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.740 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052928.D

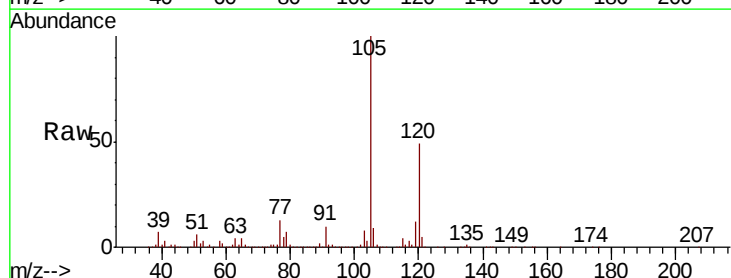
Acq: 17 Dec 2018 15:37

Tgt Ion: 105 Resp: 805970

Ion Ratio Lower Upper

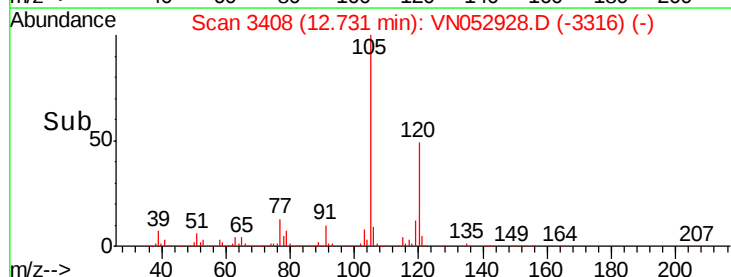
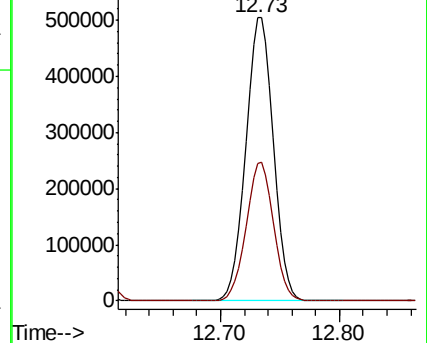
105 100

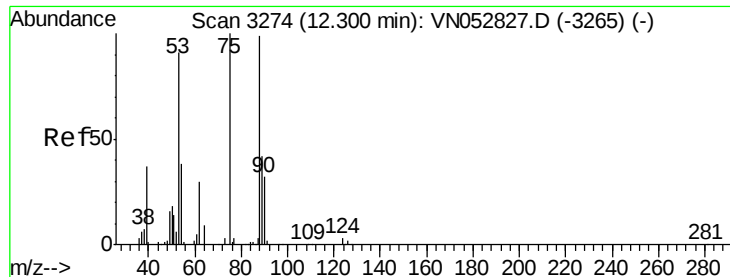
120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.981 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

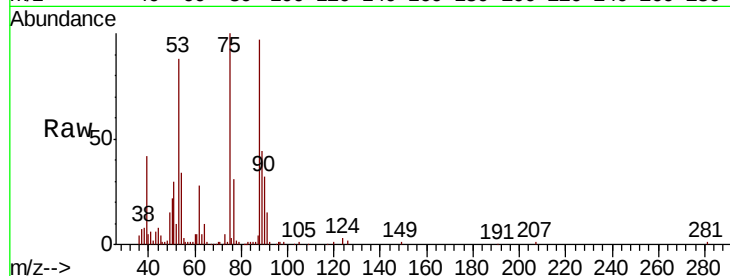
Tot Ion: 75 Resp: 65276

Ion Ratio Lower Upper

75 100

53 90.9 74.7 112.1

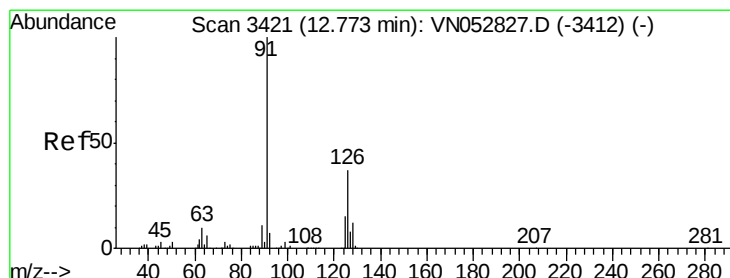
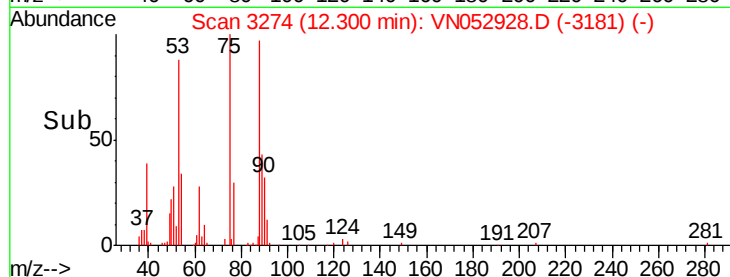
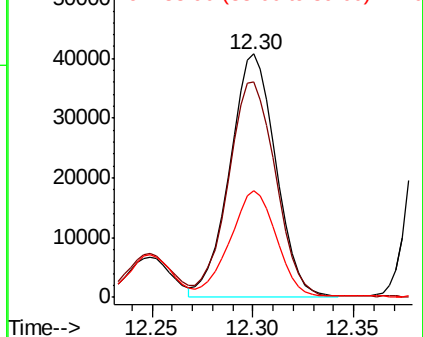
89 43.6 36.1 54.1



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: 19.521 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052928.D

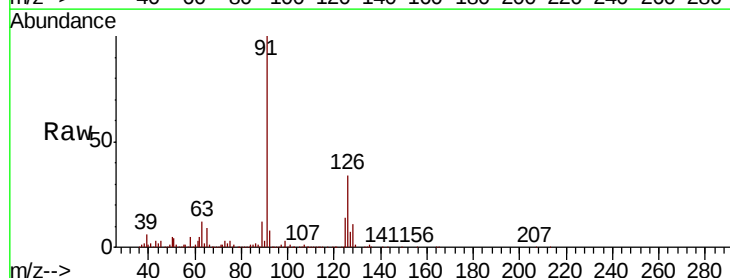
Acq: 17 Dec 2018 15:37

Tgt Ion: 91 Resp: 680630

Ion Ratio Lower Upper

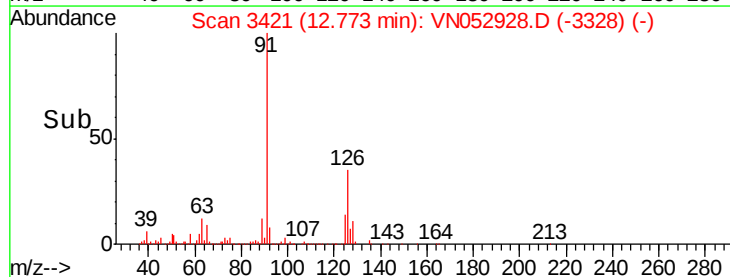
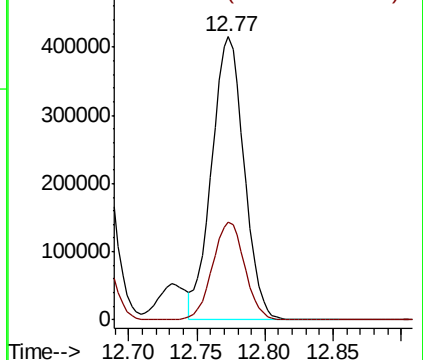
91 100

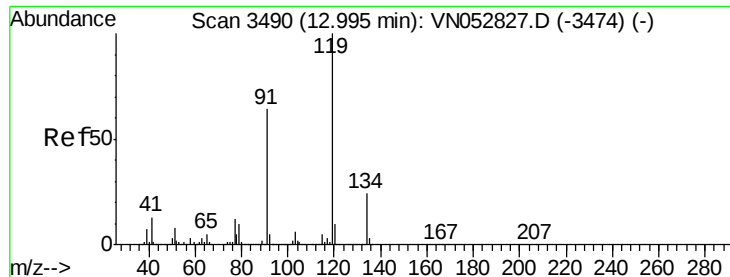
126 34.3 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

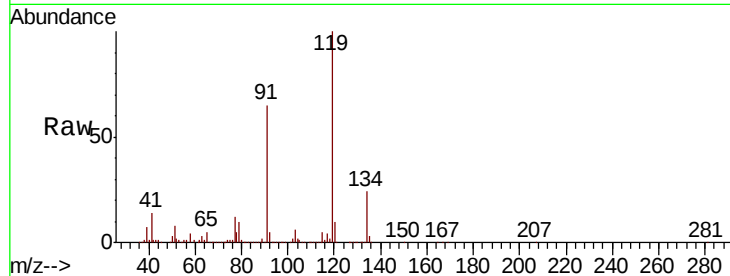




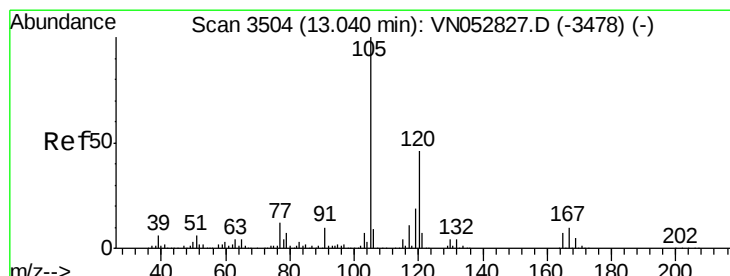
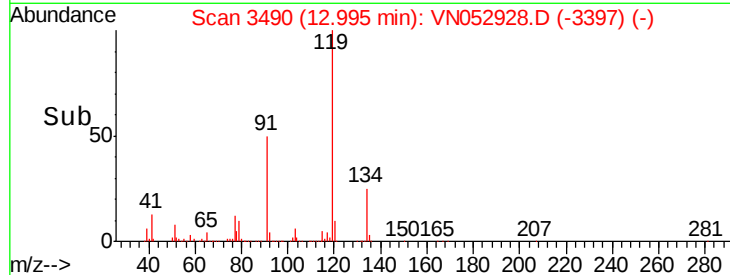
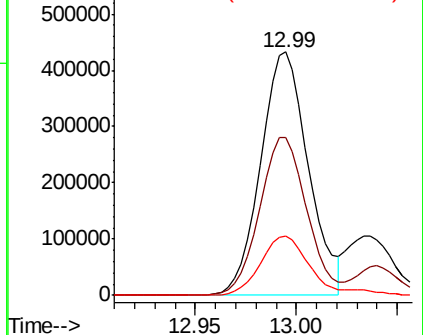
#83  
tert-Butylbenzene  
Concen: 19.806 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1217WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.1  | 31.9  | 95.5  |
| 134     | 25.9  | 12.8  | 38.4  |

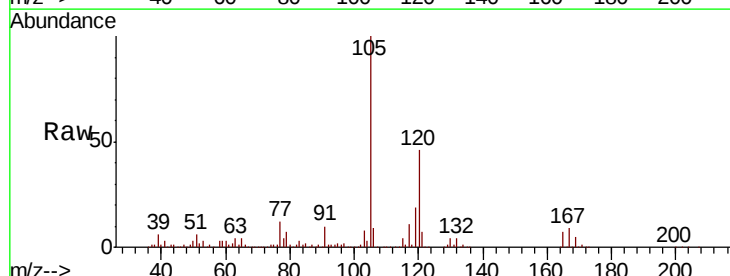


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

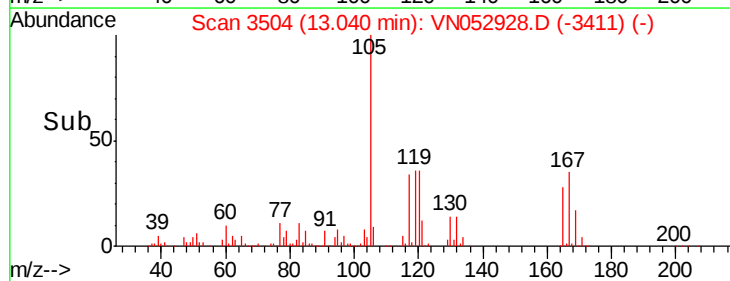
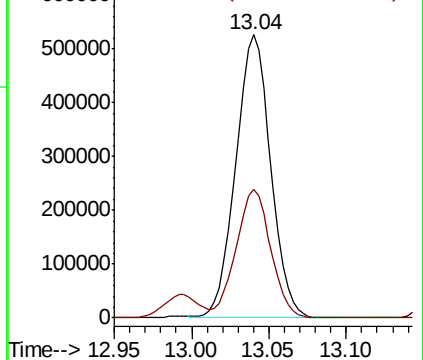


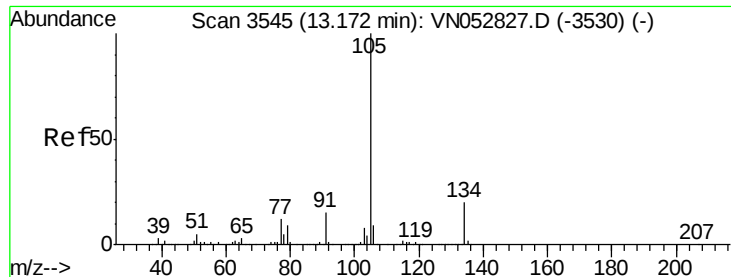
#84  
1,2,4-Trimethylbenzene  
Concen: 19.886 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN052928.D  
Acq: 17 Dec 2018 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.2  | 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: 19.509 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

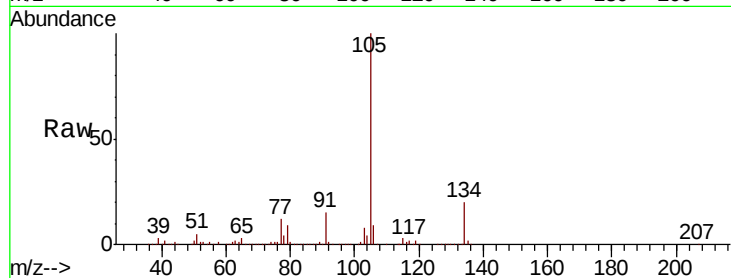
VN1217WBSD01

Tot Ion:105 Resp: 951604

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

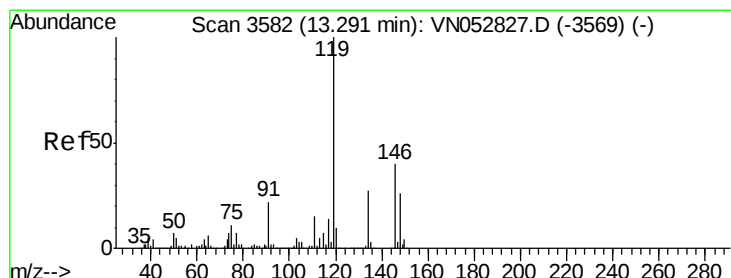
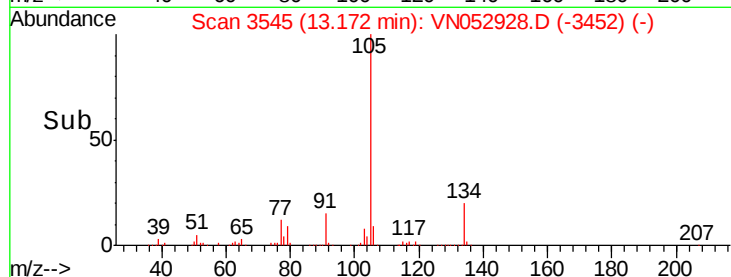
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.636 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

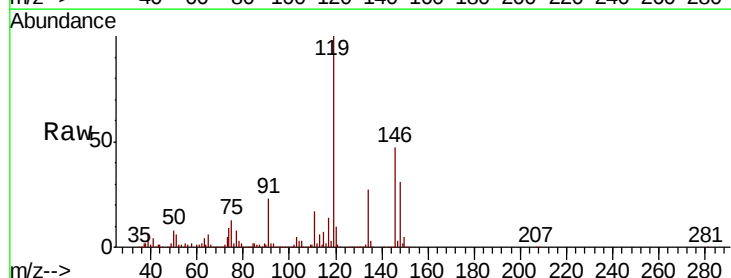
Tgt Ion:119 Resp: 829817

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

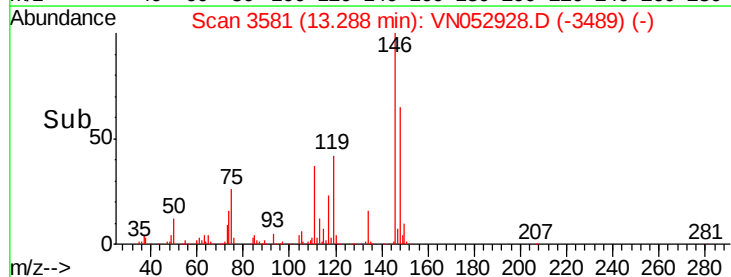
600000

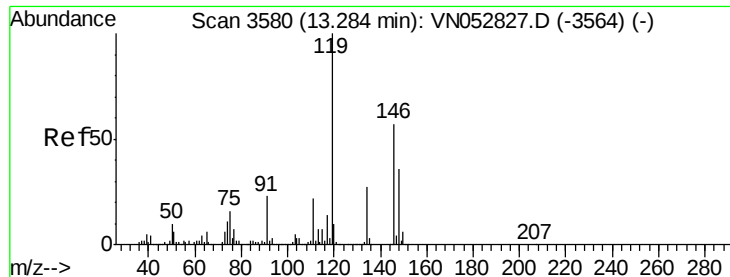
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.229 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

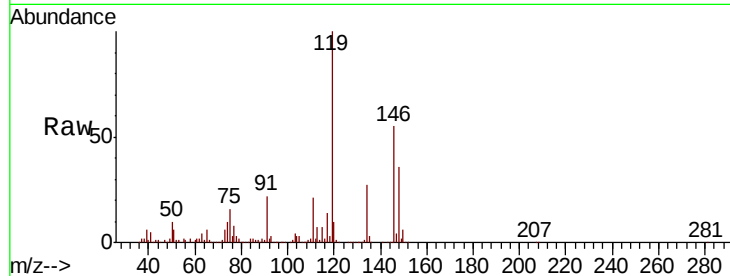
Tot Ion:146 Resp: 439593

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

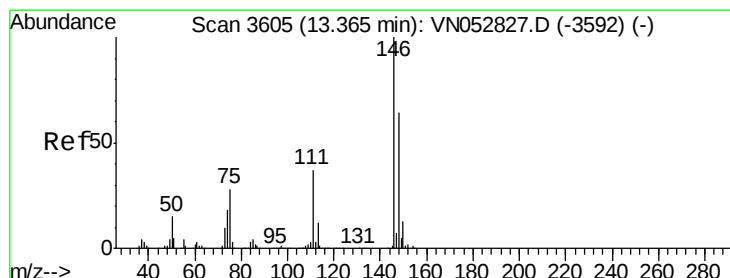
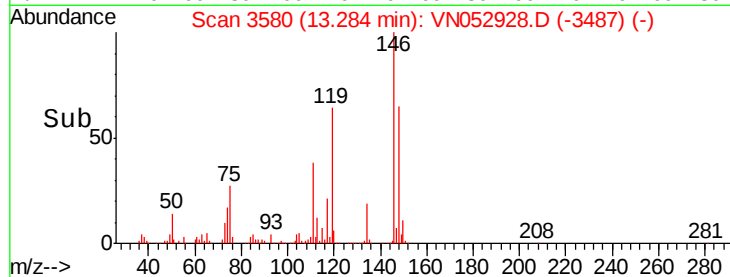
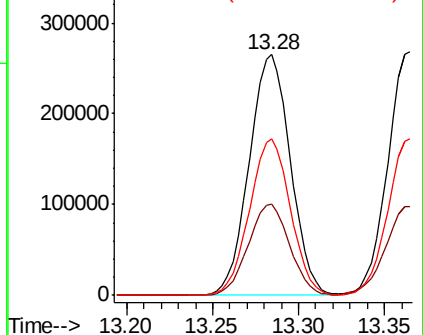
148 64.6 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 19.431 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

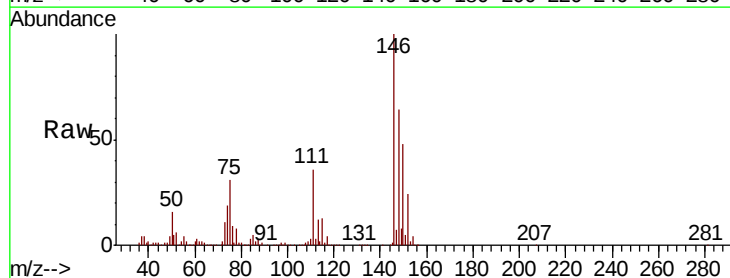
Tgt Ion:146 Resp: 439902

Ion Ratio Lower Upper

146 100

111 37.5 18.6 55.8

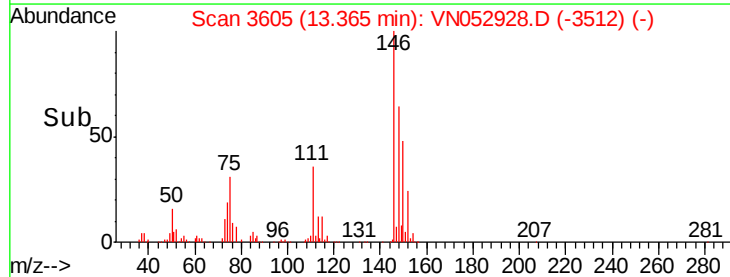
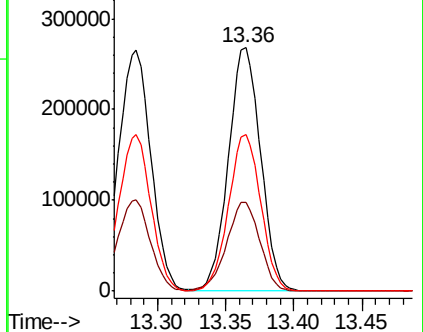
148 64.3 32.1 96.5

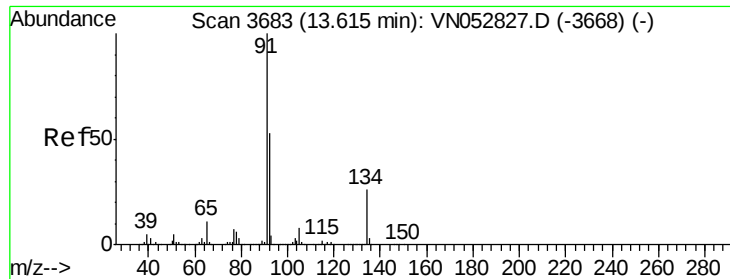


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.797 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

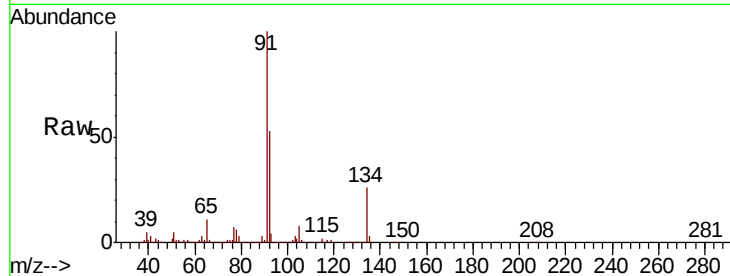
Tot Ion: 91 Resp: 704267

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

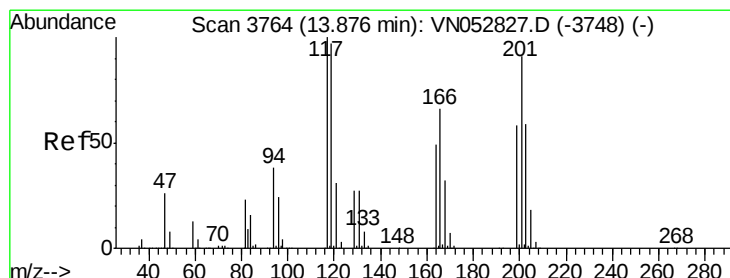
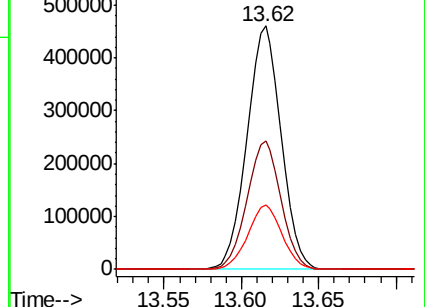
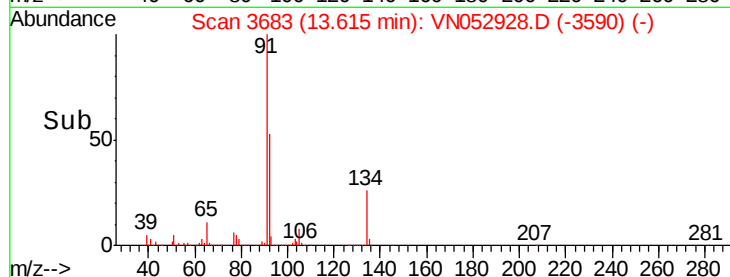
134 26.4 13.3 39.8



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

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

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



#90

Hexachloroethane

Concen: 16.542 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052928.D

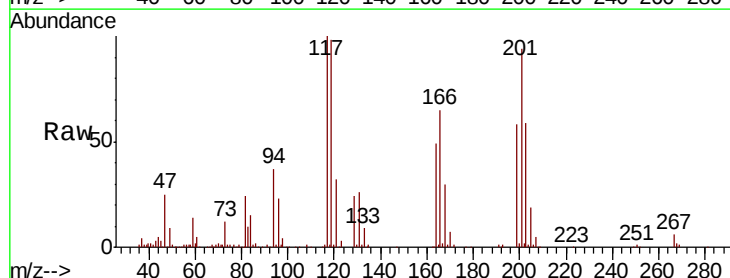
Acq: 17 Dec 2018 15:37

Tgt Ion: 117 Resp: 117058

Ion Ratio Lower Upper

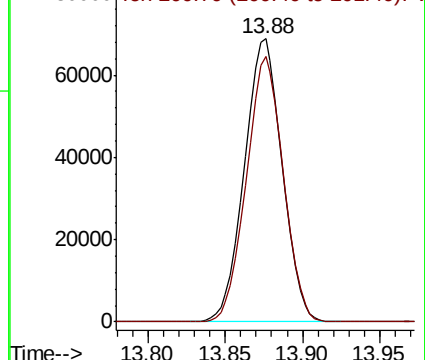
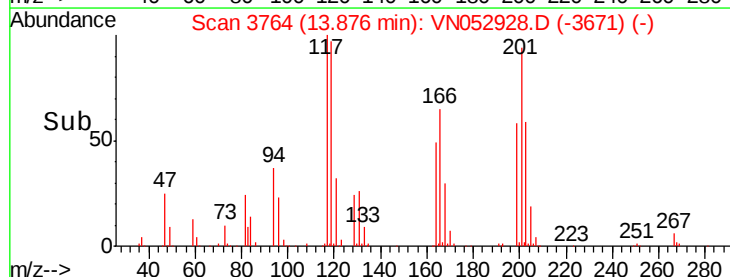
117 100

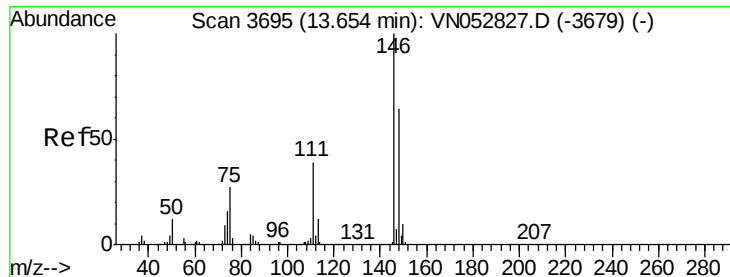
201 91.6 45.7 137.1



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

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





#91

1,2-Dichlorobenzene

Concen: 19.483 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

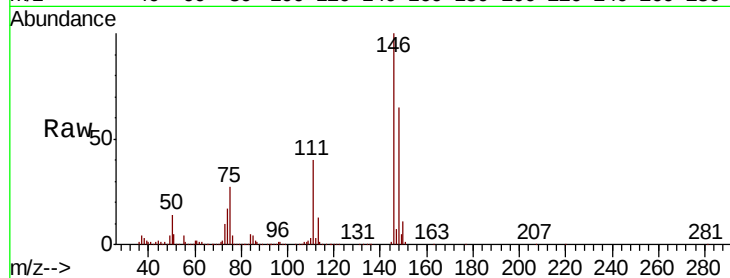
Tot Ion:146 Resp: 428447

Ion Ratio Lower Upper

146 100

111 39.7 19.7 59.0

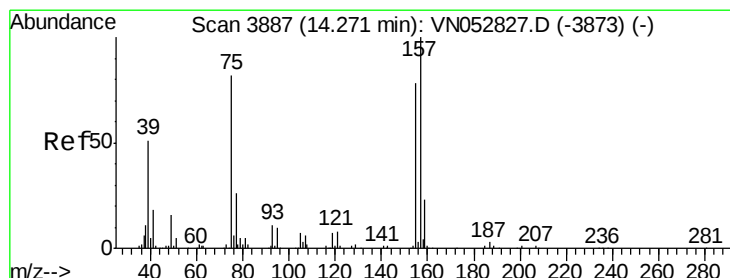
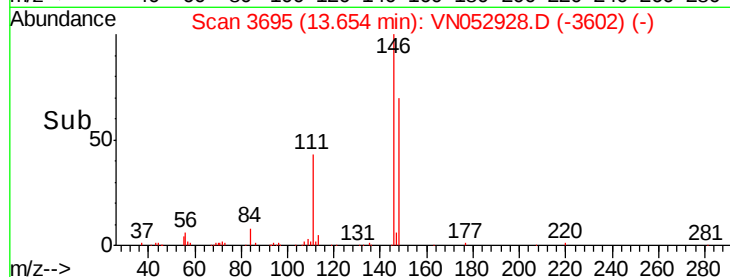
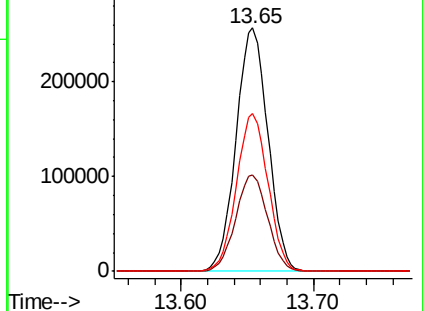
148 64.2 32.0 96.0



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: 20.937 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

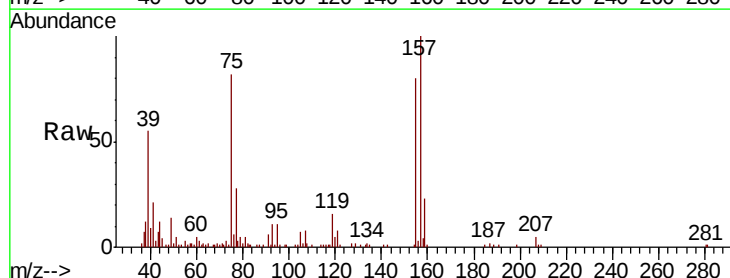
Tgt Ion: 75 Resp: 35775

Ion Ratio Lower Upper

75 100

155 93.6 48.2 144.6

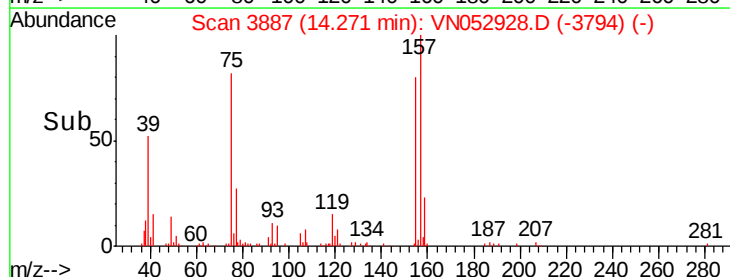
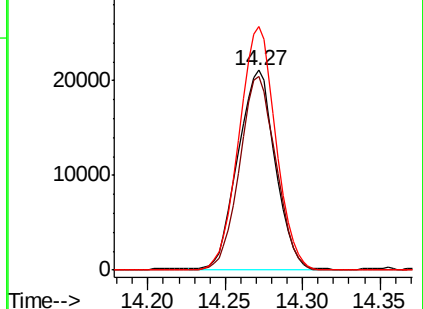
157 118.6 61.2 183.5

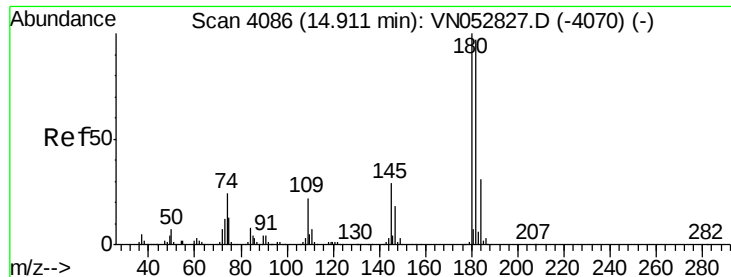


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

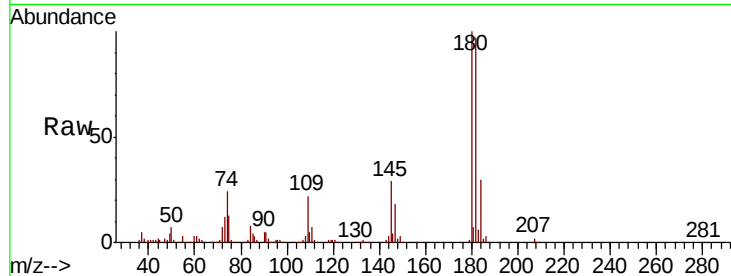




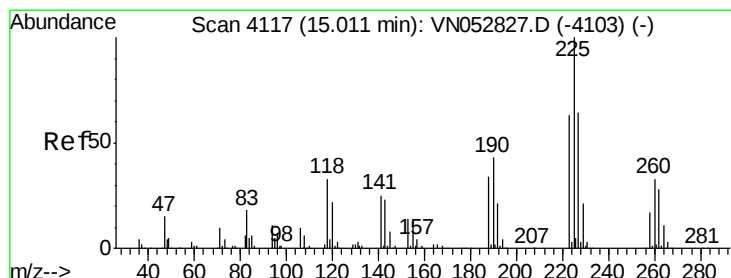
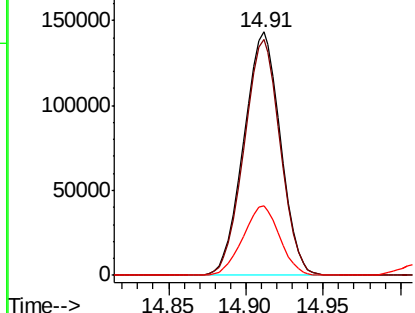
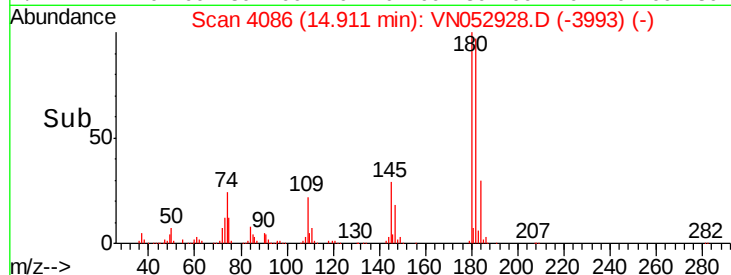
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.810 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1217WBSD01

Tot Ion:180 Resp: 236808  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 47.8 143.3  
 145 28.7 14.2 42.6

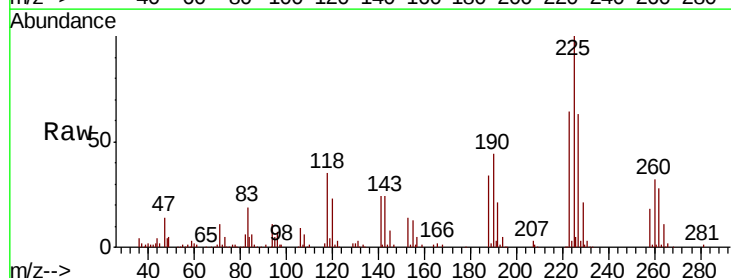


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

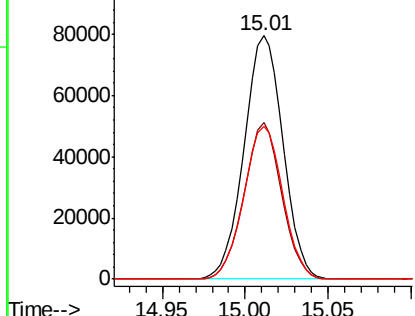
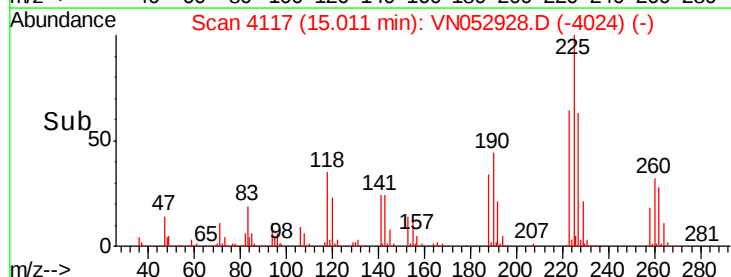


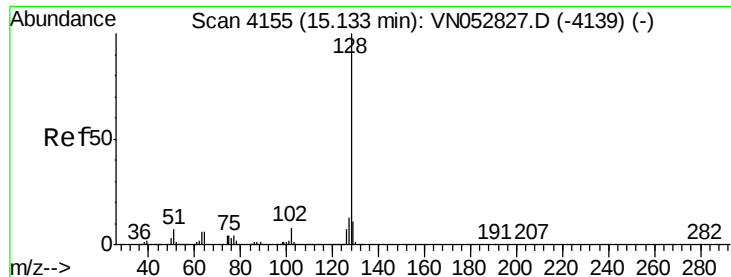
#94  
 Hexachlorobutadiene  
 Concen: 18.846 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN052928.D  
 Acq: 17 Dec 2018 15:37

Tgt Ion:225 Resp: 130397  
 Ion Ratio Lower Upper  
 225 100  
 223 62.1 31.5 94.5  
 227 62.9 31.9 95.7



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





#95

Naphthalene

Concen: 21.226 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

Instrument :

MSVOA\_N

ClientSampleId :

VN1217WBSD01

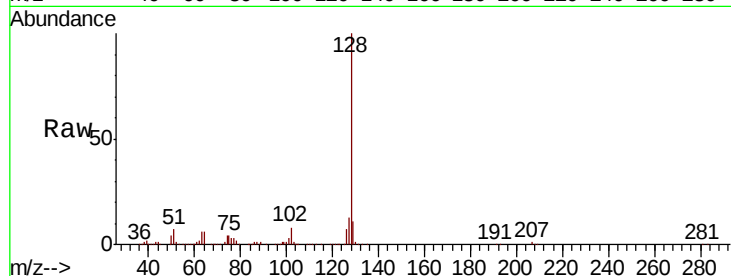
Tot Ion:128 Resp: 525523

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 11.1 8.6 13.0

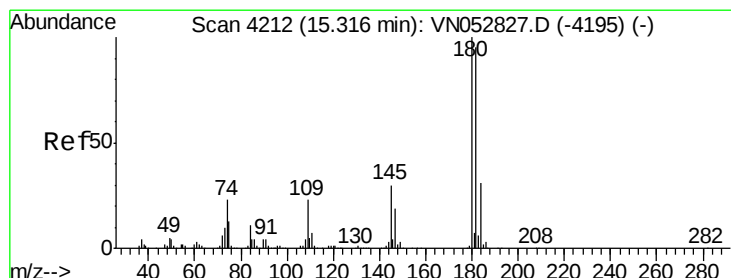
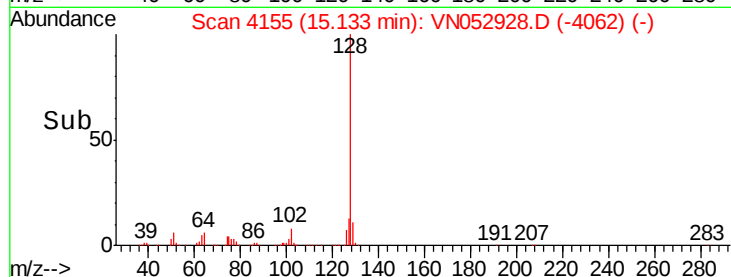
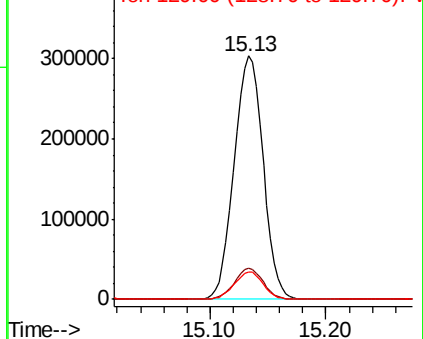


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.986 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052928.D

Acq: 17 Dec 2018 15:37

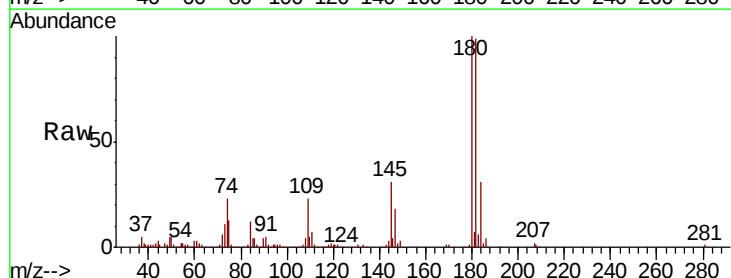
Tgt Ion:180 Resp: 208253

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 30.5 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

