

Data File : VN051916.D  
Acq On : 18 Oct 2018 15:08  
Operator : MD\SY  
Sample : VN1018WBS02  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

Quant Time: Oct 19 06:47:39 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101718W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 19 05:11:28 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 985855   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1467108  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1294569  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 560294   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 451500   | 49.40 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.80% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 453129   | 48.59 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.18% |      |
| 50) Toluene-d8              | 10.09  | 98  | 1625664  | 47.89 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.78% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 513835   | 45.36 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.72% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 109410  | 18.342  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50  | 111964  | 19.210  | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.18 | 62  | 170462  | 19.364  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94  | 152706  | 20.000  | ug/l   | 96     |
| 6) Chloroethane               | 2.70 | 64  | 132369  | 20.719  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 264801  | 19.520  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.41 | 74  | 81612   | 20.535  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 158788  | 20.401  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.95 | 142 | 184680  | 20.120  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 51871   | 97.128  | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 147282  | 20.758  | ug/l   | 98     |
| 13) Acrolein                  | 3.61 | 56  | 33798   | 75.283  | ug/l   | 98     |
| 14) Allyl chloride            | 4.33 | 41  | 151131  | 19.667  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 204143  | 104.691 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 141354  | 87.344  | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.05 | 76  | 317818  | 17.967  | ug/l   | 97     |
| 18) Methyl Acetate            | 4.33 | 43  | 99610   | 18.970  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 412190  | 20.159  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.55 | 84  | 164410  | 19.985  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 160169  | 19.643  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.95 | 45  | 363603  | 20.303  | ug/l   | 95     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1222797 | 99.175  | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 260176  | 20.061  | ug/l   | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 218369  | 94.413  | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 239643  | 19.537  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 194464  | 20.522  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.20 | 49  | 110971  | 21.071  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 138500  | 98.040  | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83  | 322046  | 20.756  | ug/l   | 99     |
| 31) Cyclohexane               | 7.66 | 56  | 216788  | 18.911  | ug/l # | 96     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 294070  | 20.321  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 215515  | 18.926  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 98187   | 17.898  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 258535  | 19.280  | ug/l   | 100    |

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Quant Title : SW846 8260  
QLast Update : Fri Oct 19 05:11:28 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 270543   | 19.187  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 664064   | 19.963  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 56872    | 21.989  | ug/l # | 72       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 215720   | 20.242  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 198020   | 18.279  | ug/l # | 88       |
| 44) Trichloroethene            | 8.84  | 130  | 211195   | 20.231  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 155063   | 20.159  | ug/l   | 97       |
| 46) Dibromomethane             | 9.21  | 93   | 118865   | 20.273  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 233496   | 19.870  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 89479    | 19.466  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 33269    | 381.051 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 524965   | 99.035  | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 447050   | 20.090  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 207910   | 18.671  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 242890   | 19.561  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 163719   | 20.079  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 177248   | 19.444  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 249770   | 20.119  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 366497   | 89.131  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 331759   | 93.339  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 185152   | 18.298  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 165869   | 19.395  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 210237   | 20.232  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 511730   | 19.772  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 195053   | 20.246  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 844299   | 19.912  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 675241   | 39.662  | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 335247   | 20.206  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 496345   | 19.448  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 116361   | 18.250  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 889060   | 20.497  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 142392   | 19.093  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 182717   | 20.845  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 205399   | 30.161  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 223314   | 20.233  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 923861   | 20.461  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 549265   | 21.423  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 722550   | 20.610  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 36775    | 17.902  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 537966   | 20.389  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 662011   | 20.094  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 719172   | 20.863  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 860938   | 20.556  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 757663   | 20.872  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 367506   | 19.756  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 357007   | 19.527  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 538213   | 20.439  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 121742   | 20.051  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 370057   | 20.542  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 24342    | 20.728  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN101818\  
Quantitation Report (Not Reviewed)

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Instrument :  
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Quant Title : SW846 8260  
QLast Update : Fri Oct 19 05:11:28 2018  
Response via : Initial Calibration

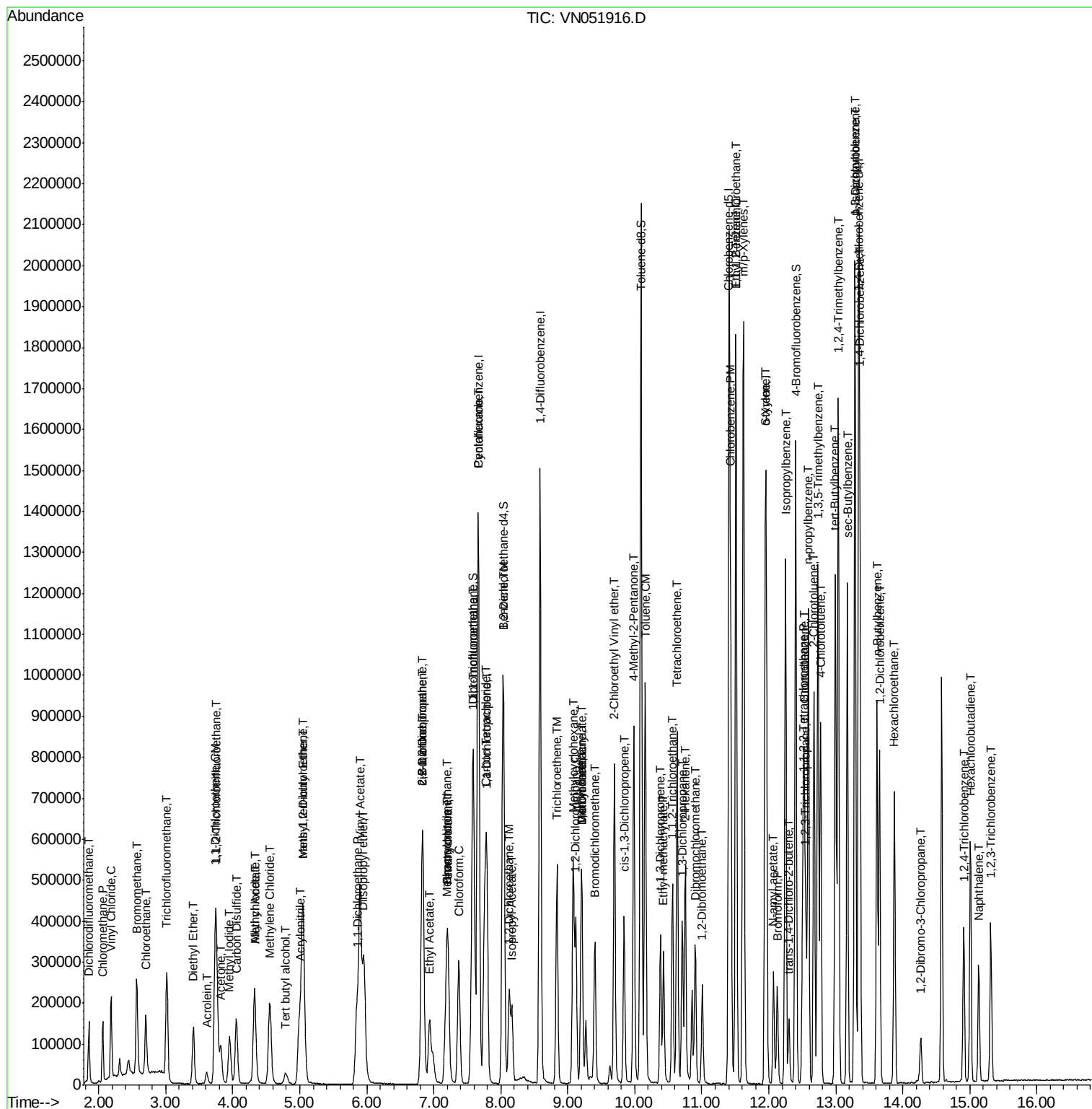
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 130776   | 17.291 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 116949   | 20.501 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 255875   | 16.877 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 141228   | 18.141 | ug/l  | 100      |

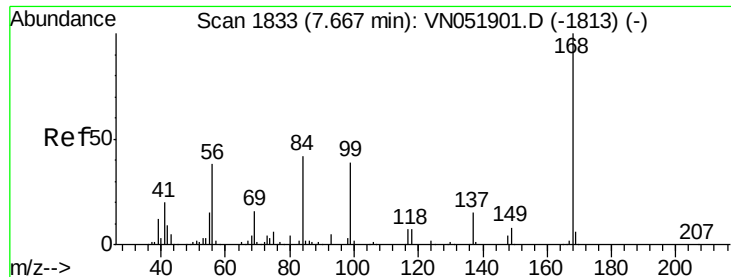
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

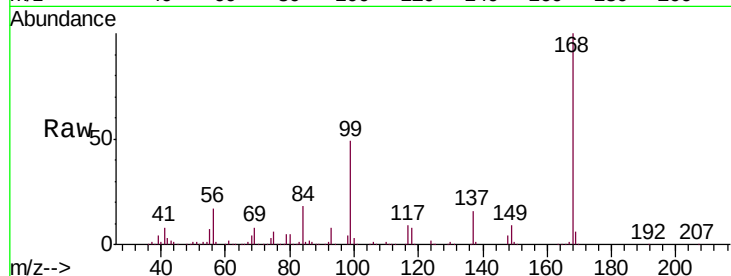
VN1018WBS02

Tgt Ion:168 Resp: 985855

Ion Ratio Lower Upper

168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

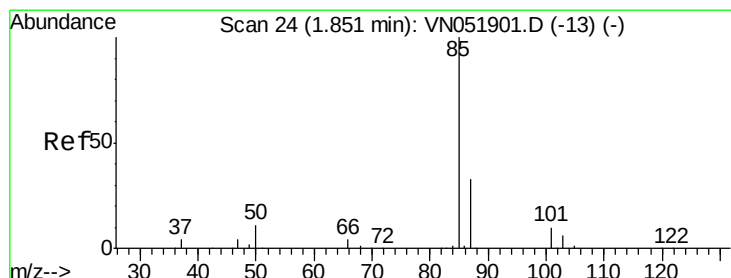
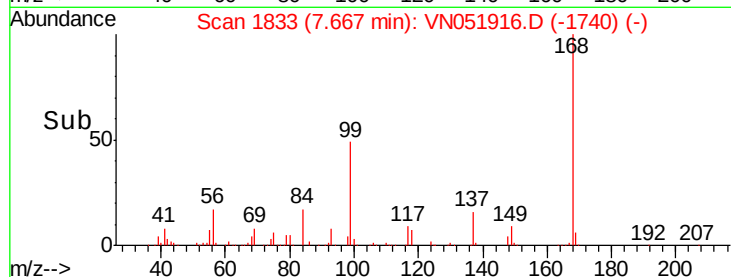
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.342 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051916.D

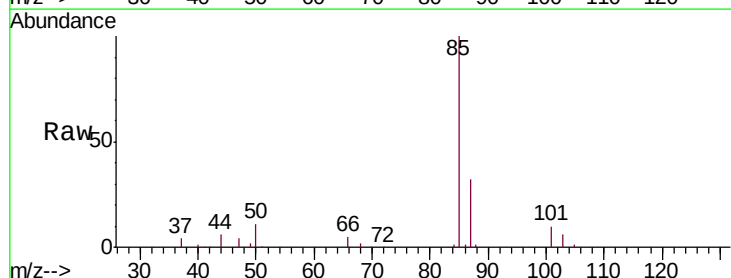
Acq: 18 Oct 2018 15:08

Tgt Ion: 85 Resp: 109410

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

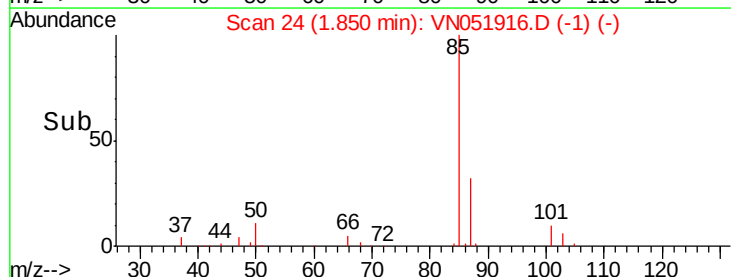
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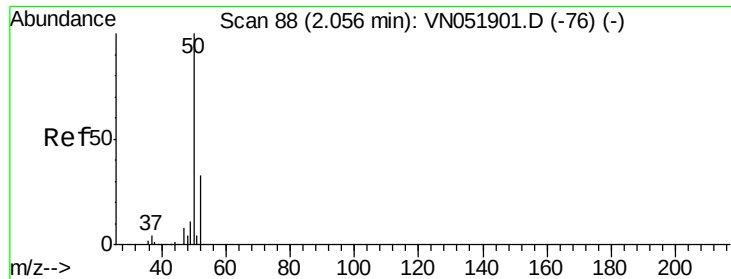
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.210 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

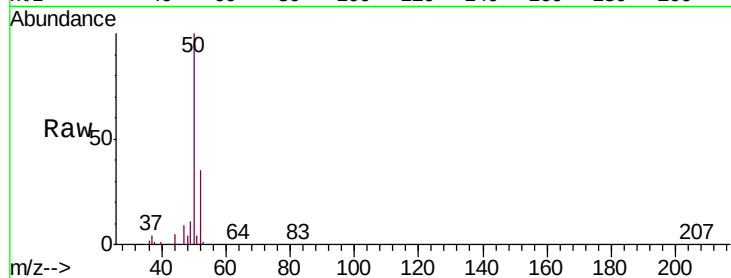
VN1018WBS02

Tgt Ion: 50 Resp: 111964

Ion Ratio Lower Upper

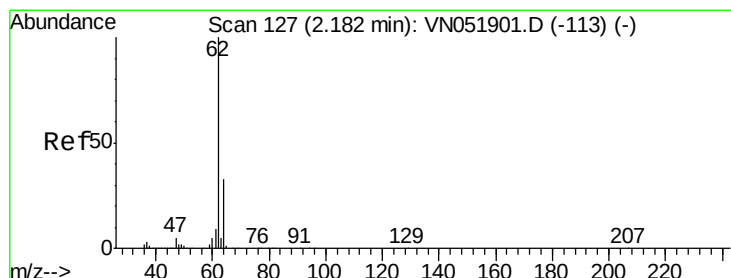
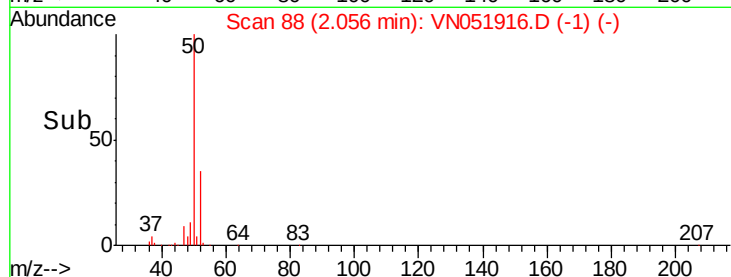
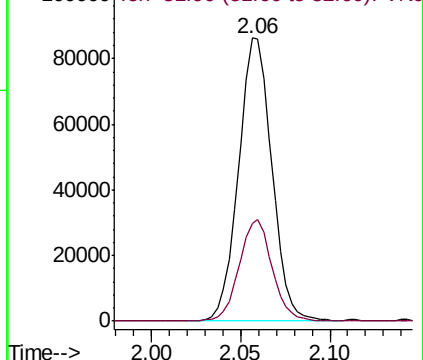
50 100

52 34.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN051916.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN051916.D (-1) (-)



#4

Vinyl Chloride

Concen: 19.364 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051916.D

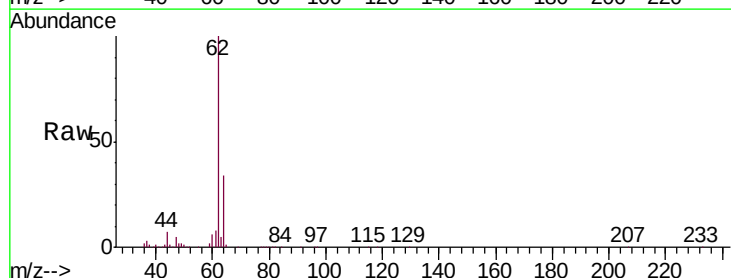
Acq: 18 Oct 2018 15:08

Tgt Ion: 62 Resp: 170462

Ion Ratio Lower Upper

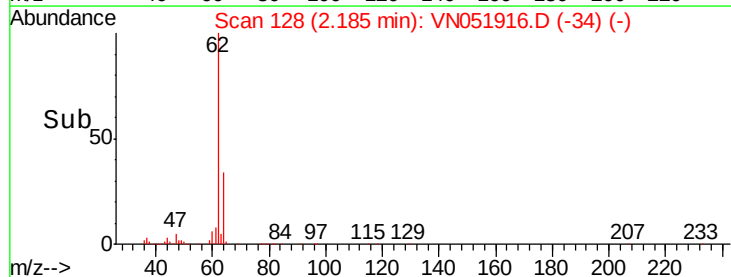
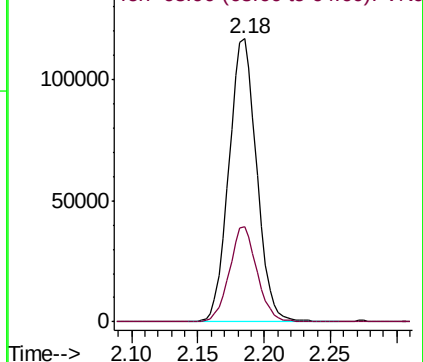
62 100

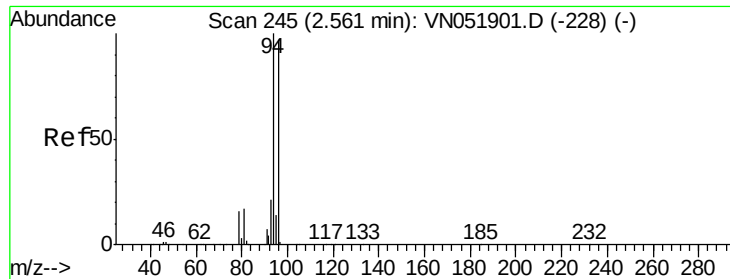
64 33.4 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN051916.D (-34) (-)

Ion 63.90 (63.60 to 64.60): VN051916.D (-34) (-)





#5

Bromomethane

Concen: 20.000 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

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ClientSampleId :

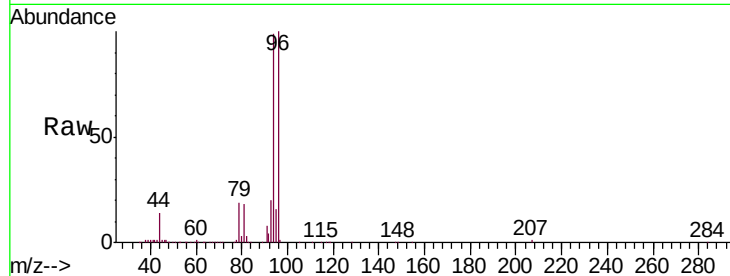
VN1018WBS02

Tgt Ion: 94 Resp: 152706

Ion Ratio Lower Upper

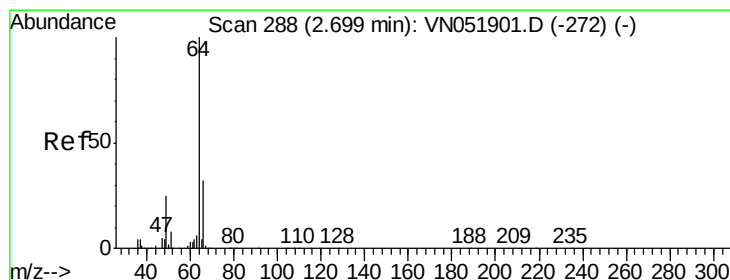
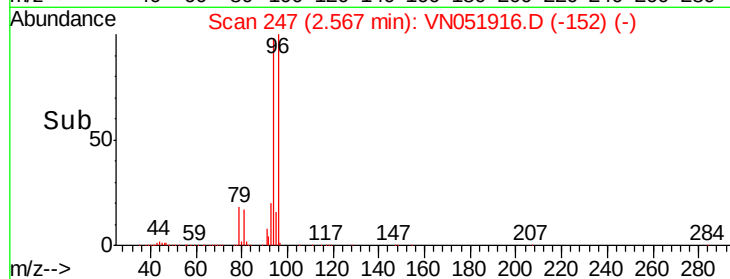
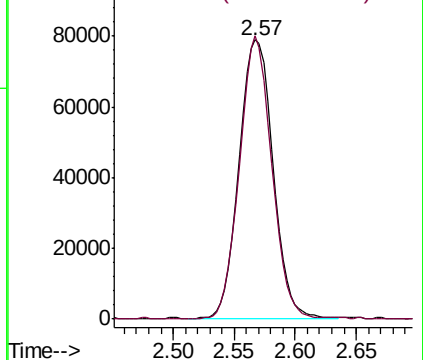
94 100

96 101.1 77.5 116.3



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 20.719 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051916.D

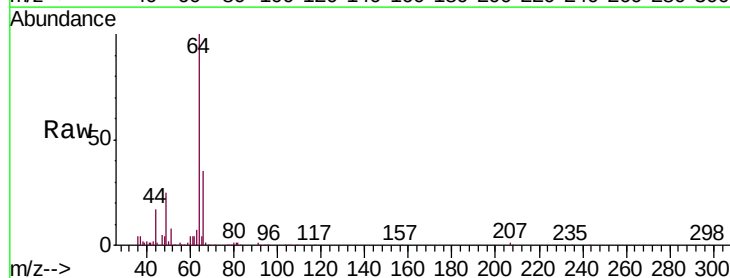
Acq: 18 Oct 2018 15:08

Tgt Ion: 64 Resp: 132369

Ion Ratio Lower Upper

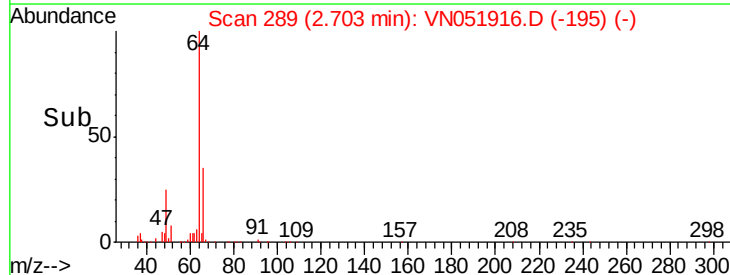
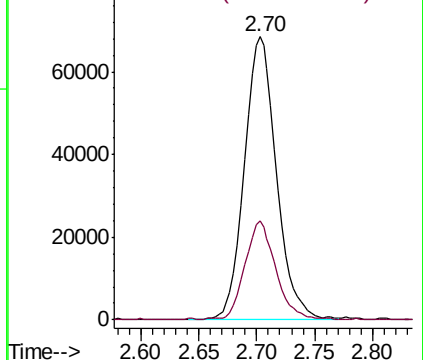
64 100

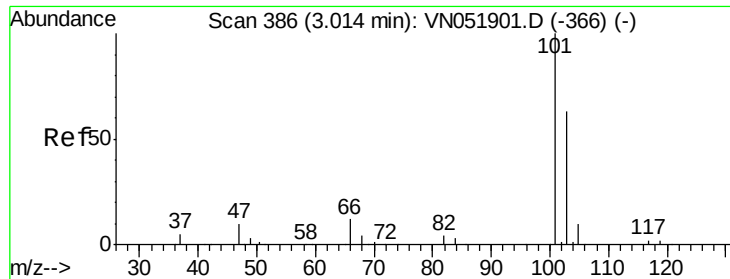
66 35.2 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



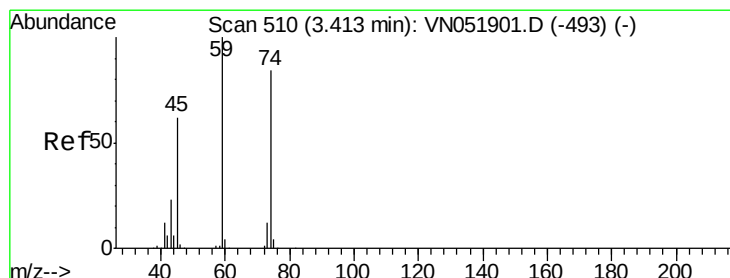
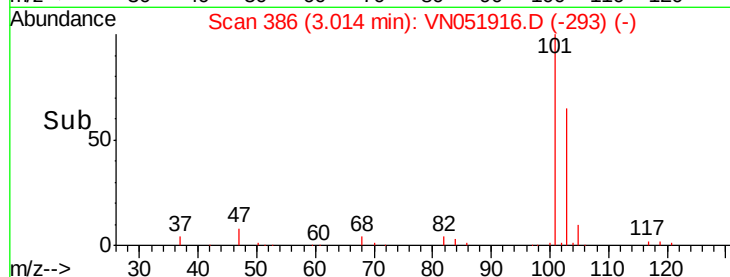
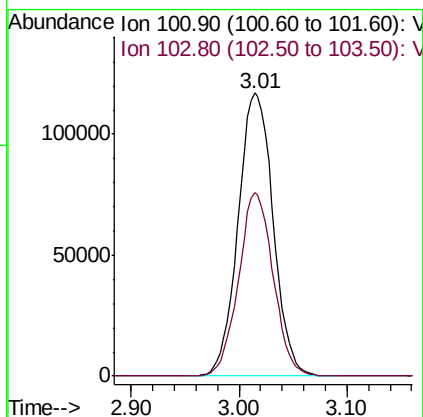
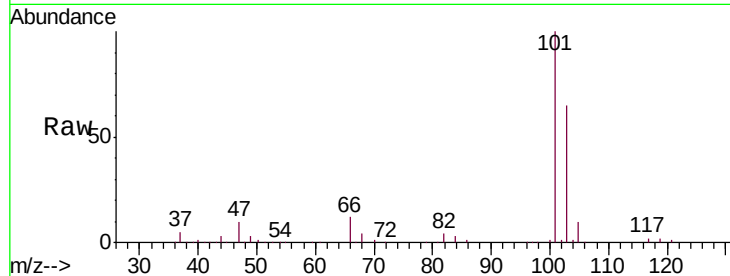


#7

Trichlorofluoromethane  
 Concen: 19.520 ug/l  
 RT: 3.01 min Scan# 386  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

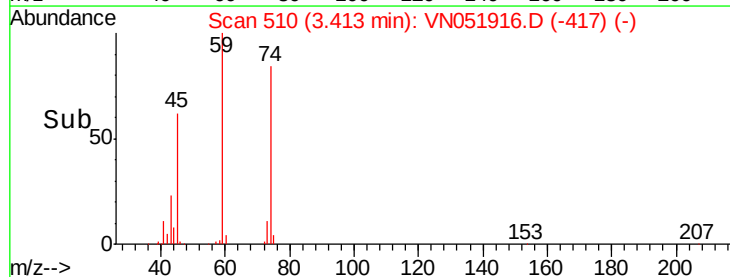
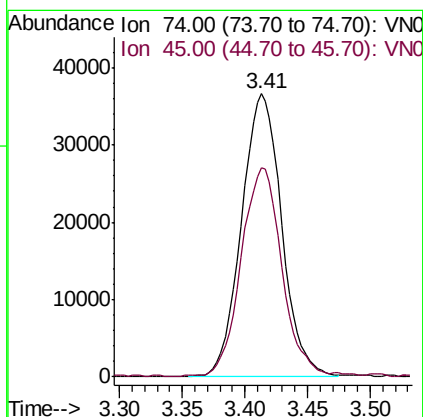
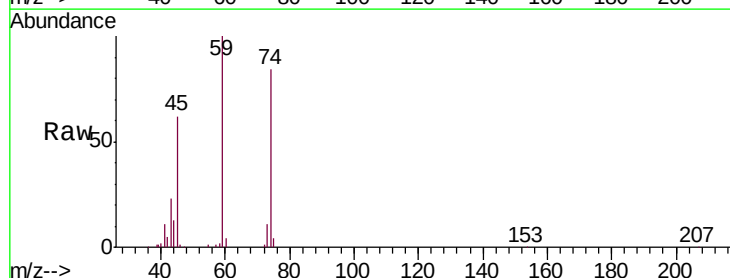
Tgt Ion:101 Resp: 264801  
 Ion Ratio Lower Upper  
 101 100  
 103 65.0 50.8 76.2



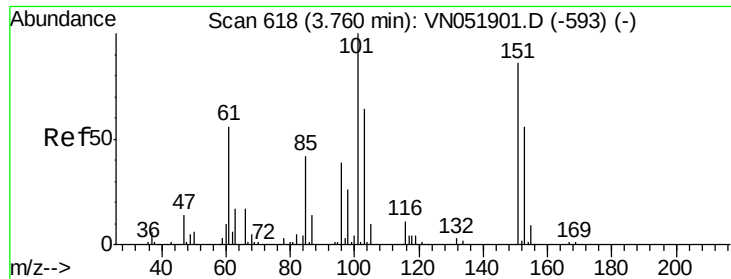
#8

Diethyl Ether  
 Concen: 20.535 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

Tgt Ion: 74 Resp: 81612  
 Ion Ratio Lower Upper  
 74 100  
 45 73.4 36.8 110.3







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.401 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

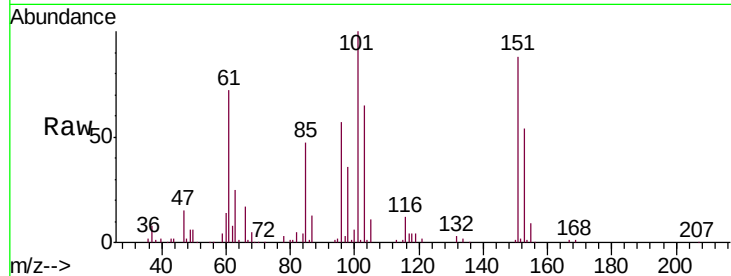
Tgt Ion:101 Resp: 158788

Ion Ratio Lower Upper

101 100

85 45.8 34.8 52.2

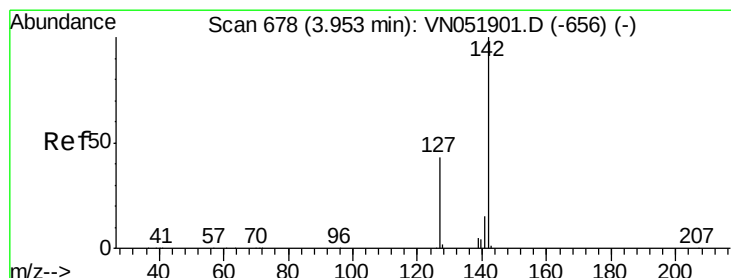
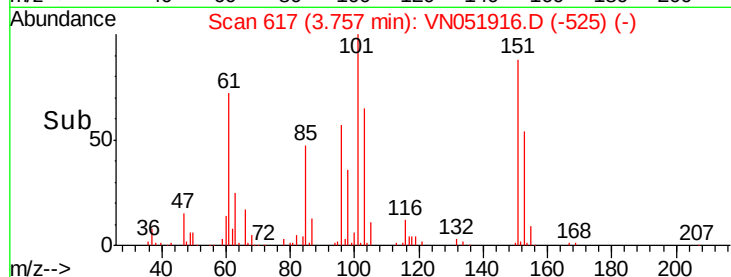
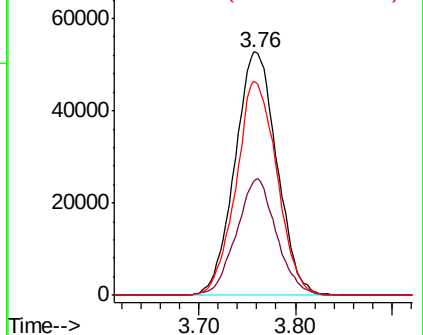
151 85.9 68.0 102.0



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: 20.120 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

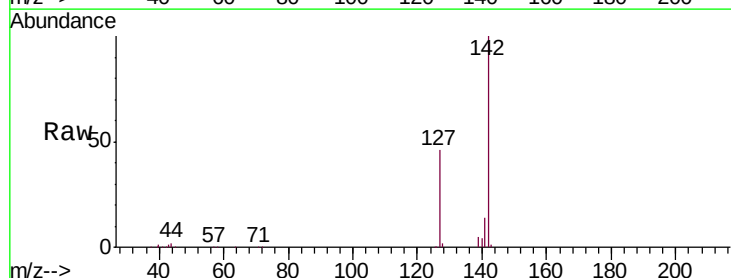
Tgt Ion:142 Resp: 184680

Ion Ratio Lower Upper

142 100

127 43.9 34.3 51.5

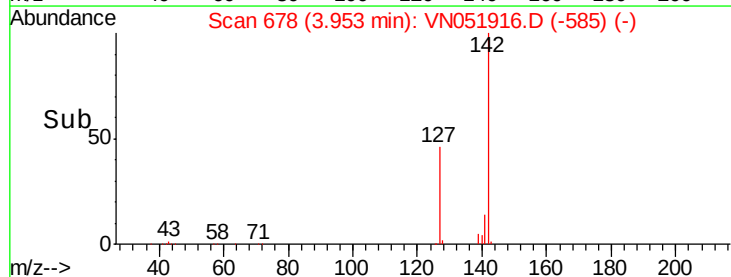
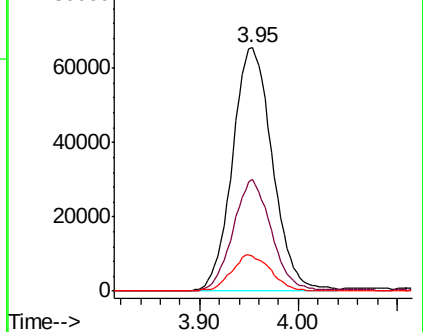
141 14.6 11.1 16.7

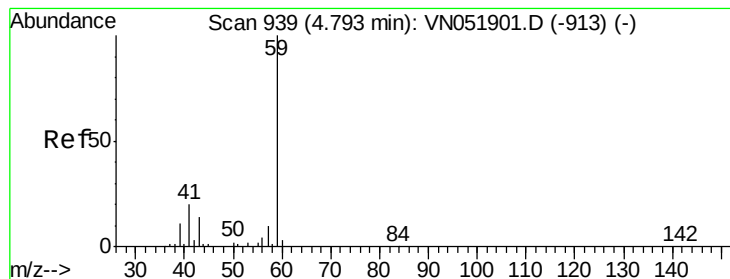


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 97.128 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

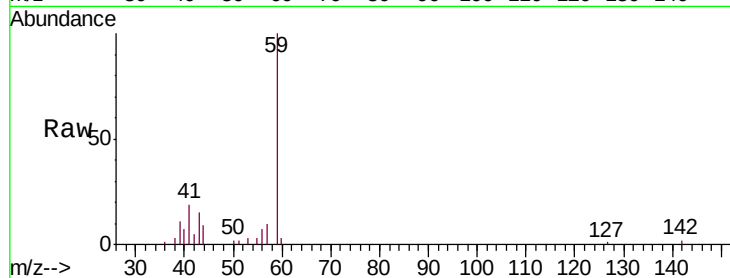
VN1018WBS02

Tgt Ion: 59 Resp: 51871

Ion Ratio Lower Upper

59 100

57 10.2 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

15000

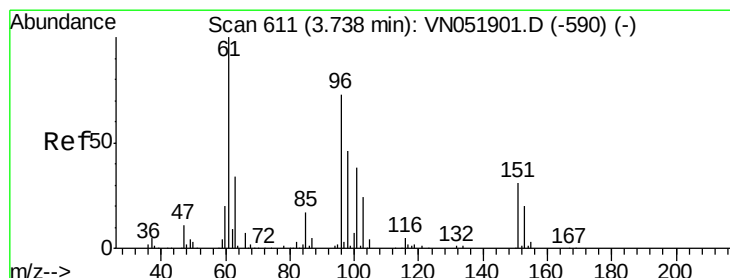
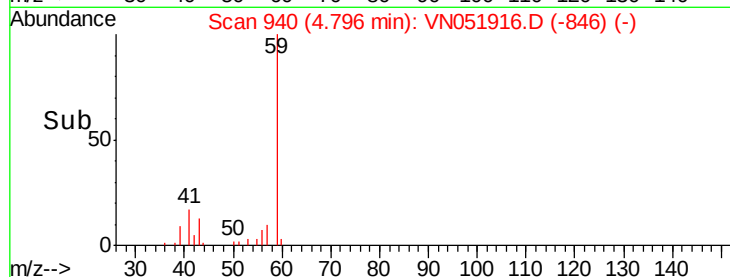
10000

5000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 20.758 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

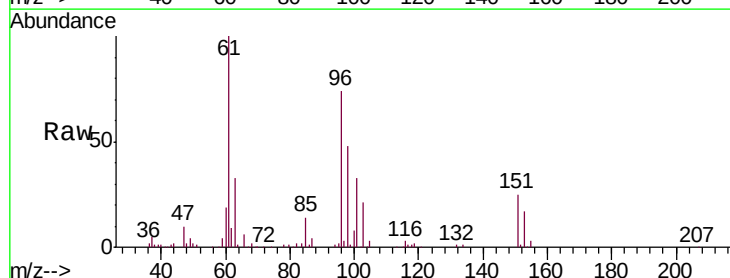
Tgt Ion: 96 Resp: 147282

Ion Ratio Lower Upper

96 100

61 134.4 109.8 164.6

98 64.7 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

100000

80000

60000

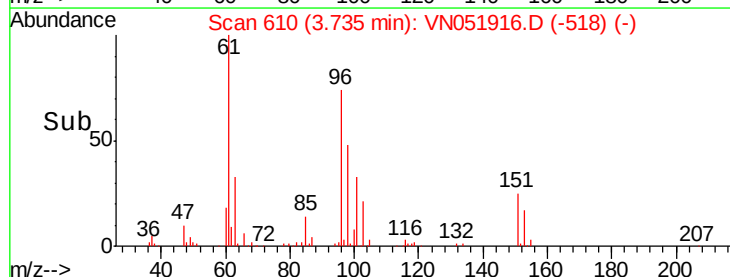
40000

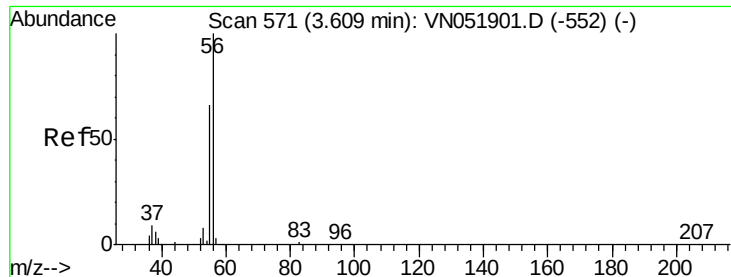
20000

0

3.70 3.80

Time-->





#13

Acrolein

Concen: 75.283 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

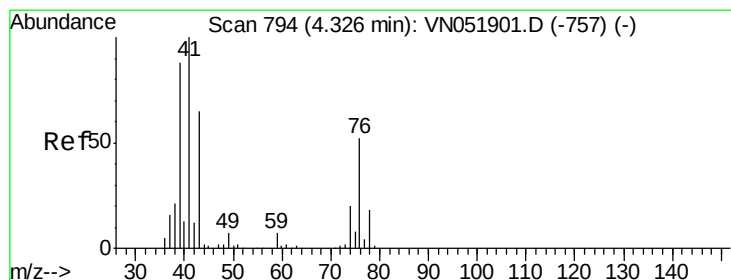
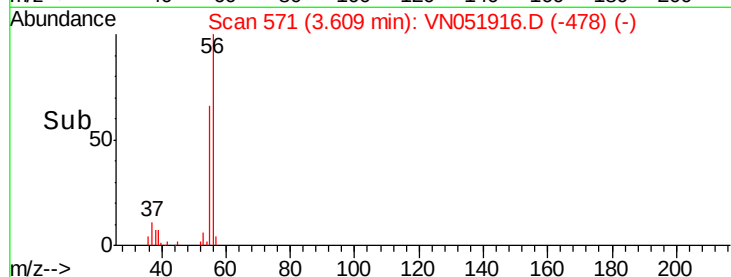
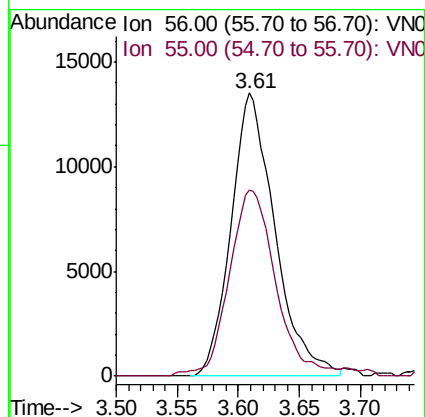
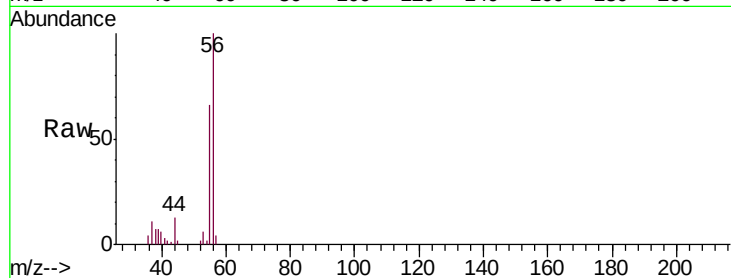
VN1018WBS02

Tgt Ion: 56 Resp: 33798

Ion Ratio Lower Upper

56 100

55 69.5 56.7 85.1



#14

Allyl chloride

Concen: 19.667 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

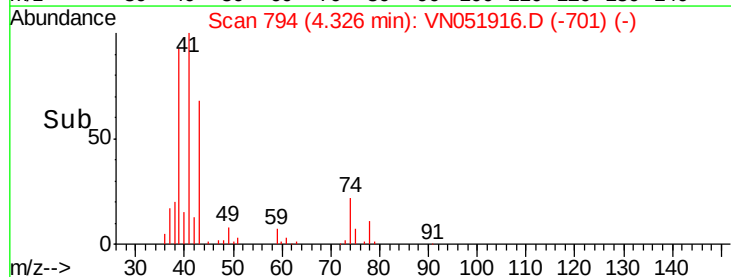
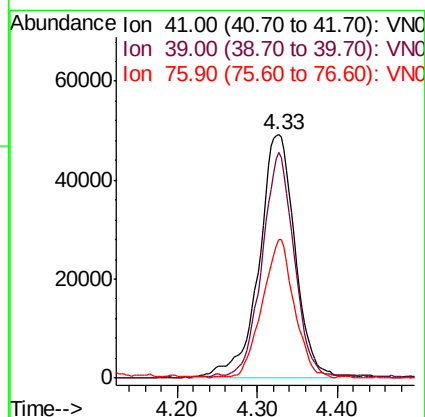
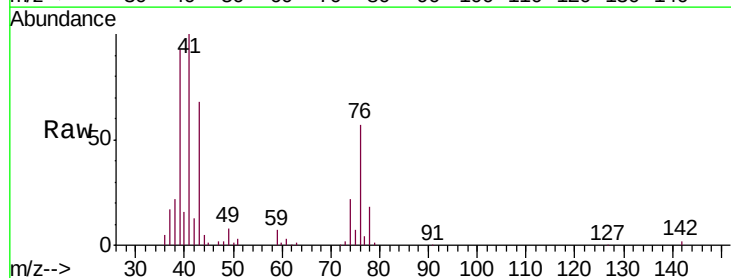
Tgt Ion: 41 Resp: 151131

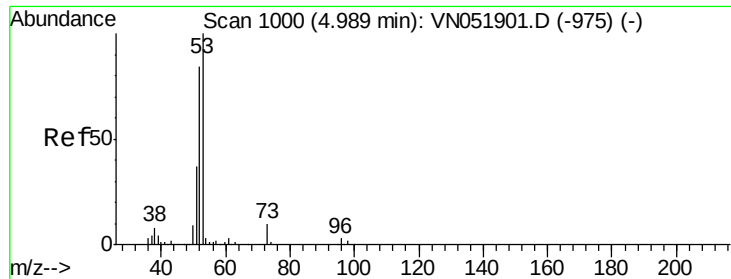
Ion Ratio Lower Upper

41 100

39 80.7 65.4 98.0

76 50.6 39.6 59.4





#15

Acrylonitrile

Concen: 104.691 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

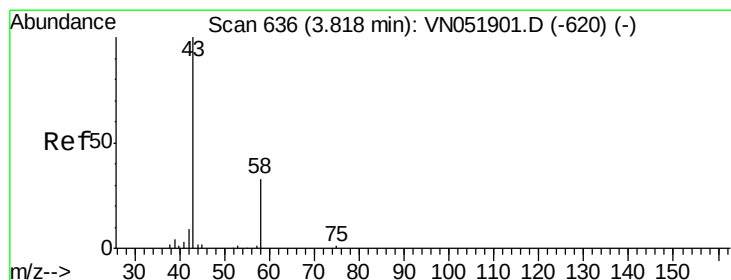
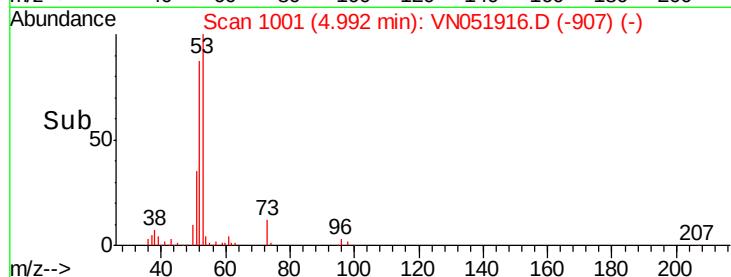
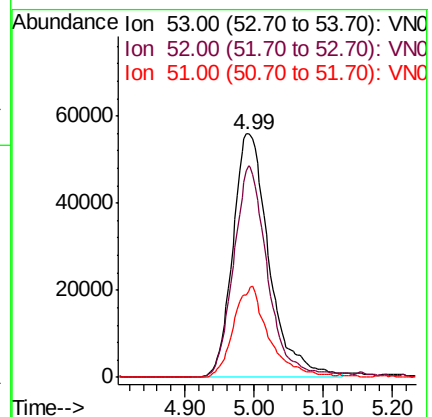
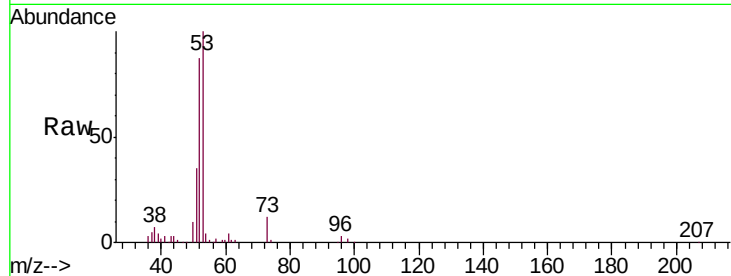
Tgt Ion: 53 Resp: 204143

Ion Ratio Lower Upper

53 100

52 80.8 65.8 98.8

51 36.5 29.4 44.2



#16

Acetone

Concen: 87.344 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051916.D

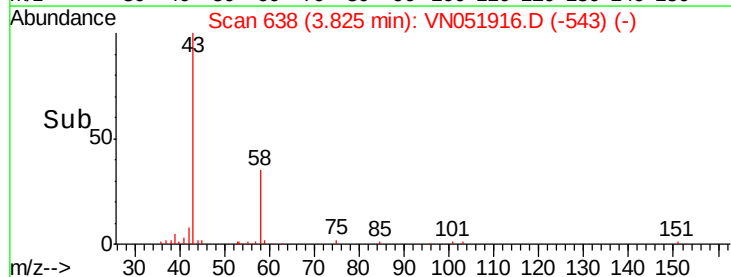
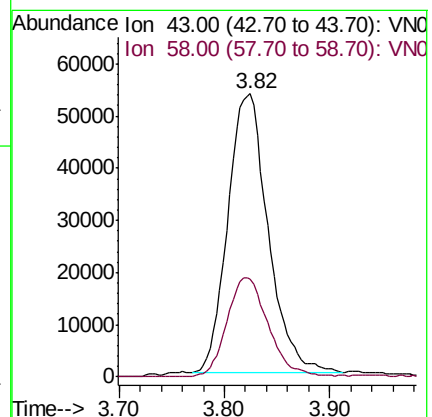
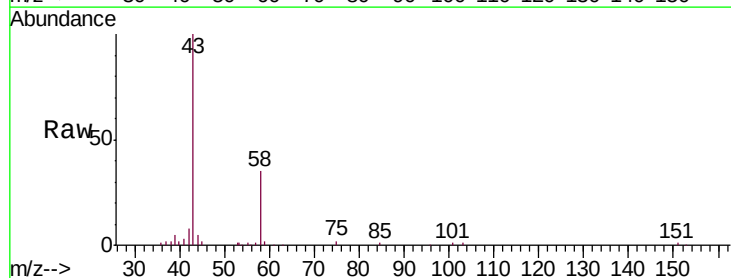
Acq: 18 Oct 2018 15:08

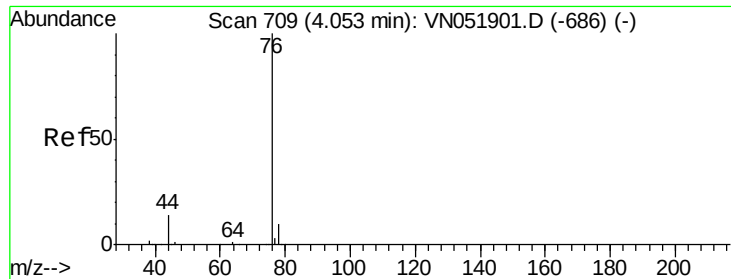
Tgt Ion: 43 Resp: 141354

Ion Ratio Lower Upper

43 100

58 34.9 25.9 38.9





#17

Carbon Disulfide

Concen: 17.967 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

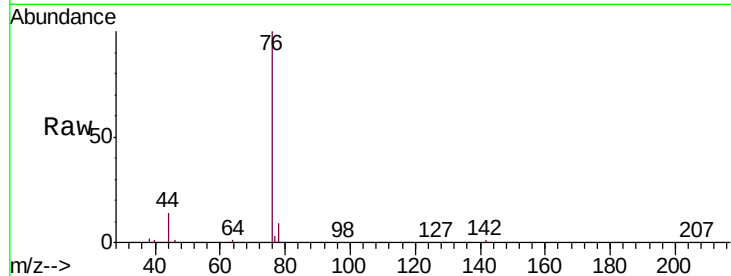
VN1018WBS02

Tgt Ion: 76 Resp: 317818

Ion Ratio Lower Upper

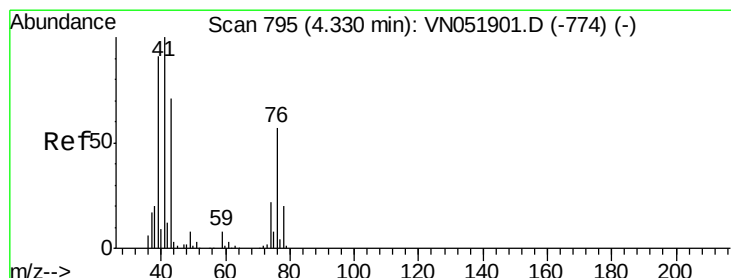
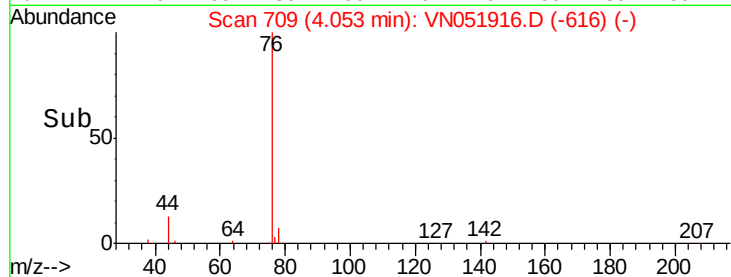
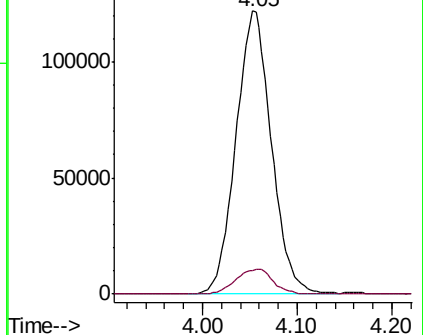
76 100

78 8.5 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN051901.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN051901.D (-686) (-)



#18

Methyl Acetate

Concen: 18.970 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051916.D

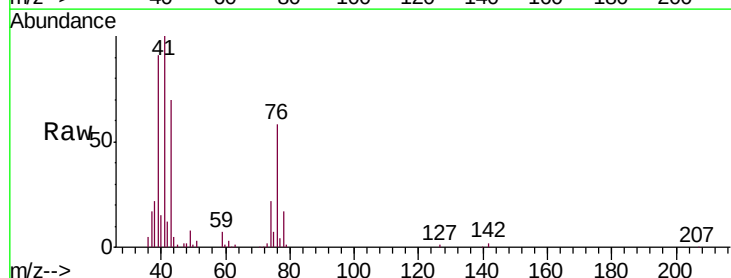
Acq: 18 Oct 2018 15:08

Tgt Ion: 43 Resp: 99610

Ion Ratio Lower Upper

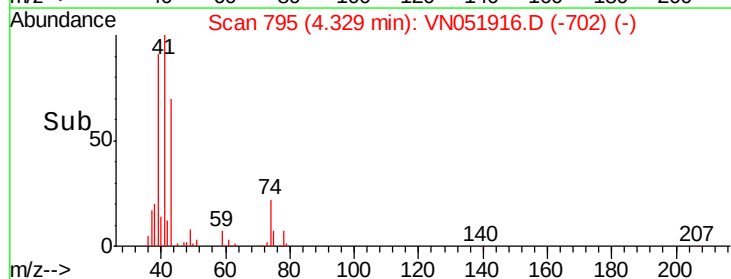
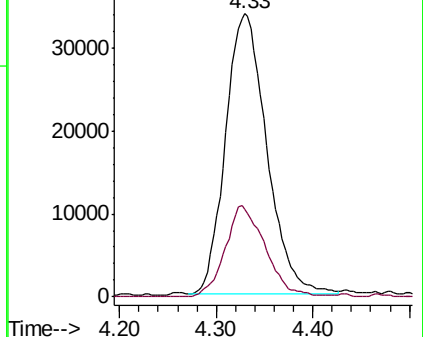
43 100

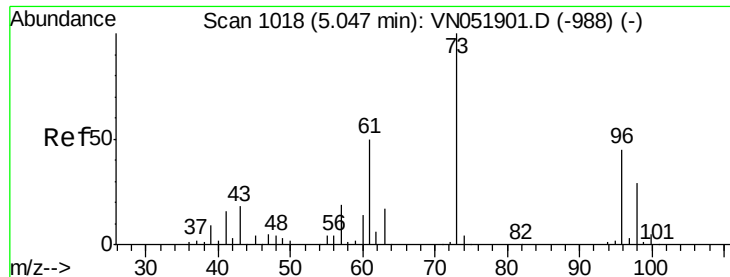
74 31.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN051901.D (-774) (-)

Ion 74.00 (73.70 to 74.70): VN051901.D (-774) (-)

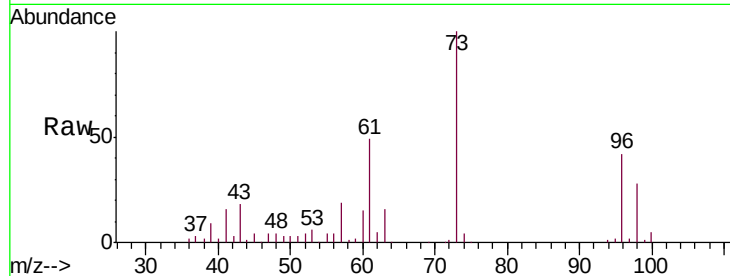




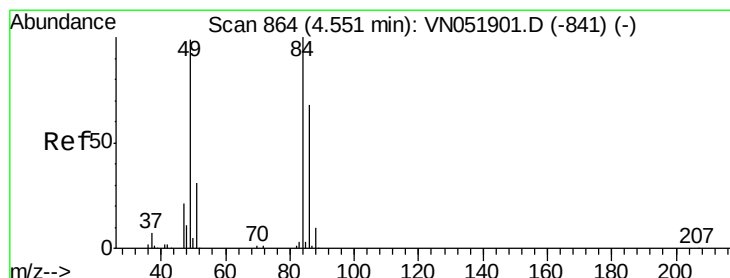
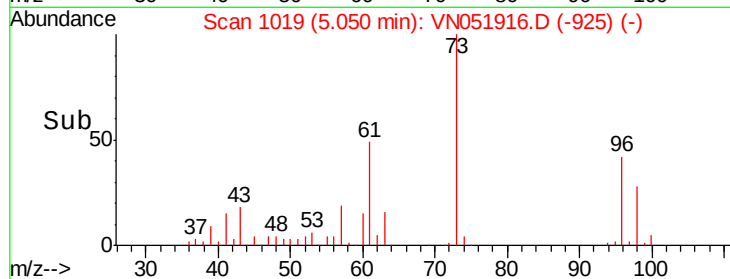
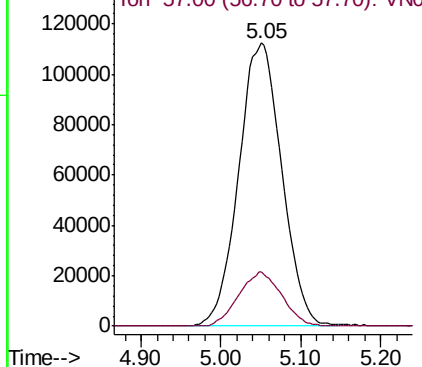
#19  
Methyl tert-butyl Ether  
Concen: 20.159 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

Tgt Ion: 73 Resp: 412190  
Ion Ratio Lower Upper  
73 100  
57 19.2 15.3 22.9

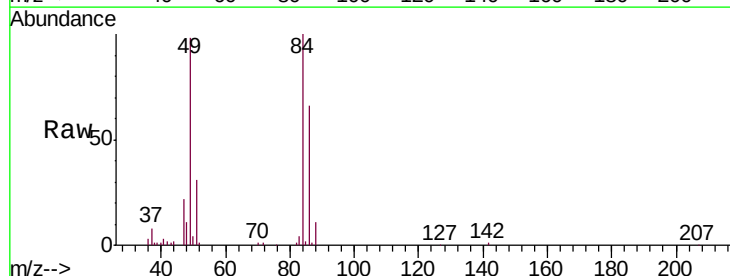


Abundance Ion 73.00 (72.70 to 73.70): VN051901.D (-988) (-)  
Ion 57.00 (56.70 to 57.70): VN051901.D (-988) (-)

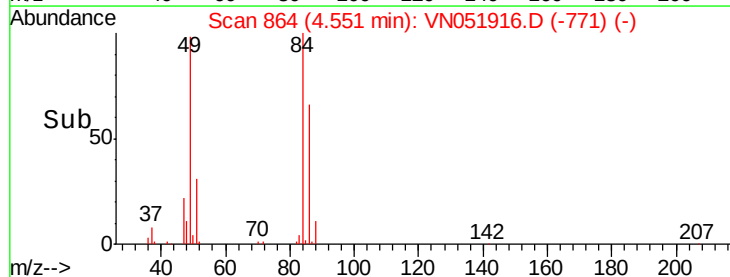
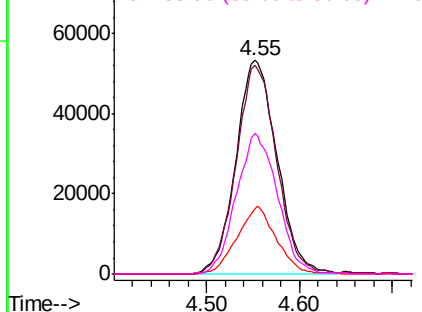


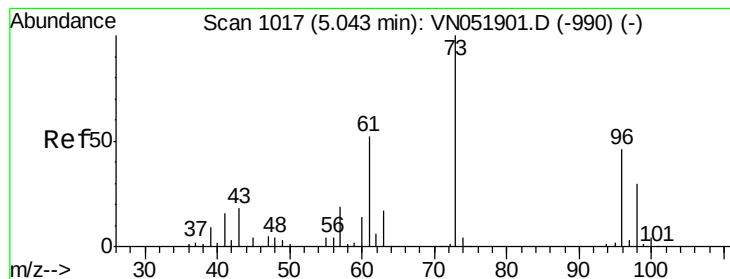
#20  
Methylene Chloride  
Concen: 19.985 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion: 84 Resp: 164410  
Ion Ratio Lower Upper  
84 100  
49 97.9 79.0 118.4  
51 30.7 24.9 37.3  
86 66.0 54.6 82.0



Abundance Ion 83.90 (83.60 to 84.60): VN051901.D (-841) (-)  
Ion 48.90 (48.60 to 49.60): VN051901.D (-841) (-)  
Ion 50.90 (50.60 to 51.60): VN051901.D (-841) (-)  
Ion 85.90 (85.60 to 86.60): VN051901.D (-841) (-)





#21

trans-1,2-Dichloroethene

Concen: 19.643 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

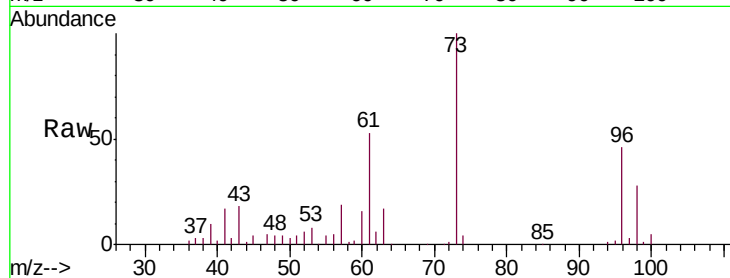
Tgt Ion: 96 Resp: 160169

Ion Ratio Lower Upper

96 100

61 113.4 89.8 134.6

98 61.2 51.7 77.5

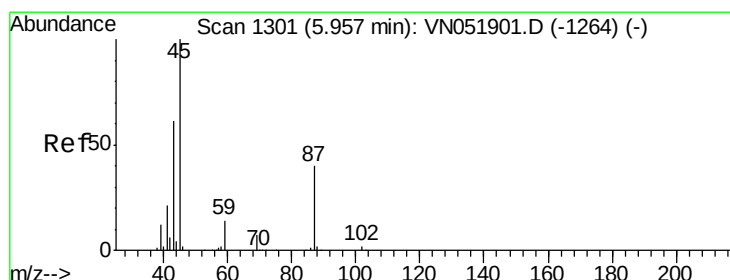
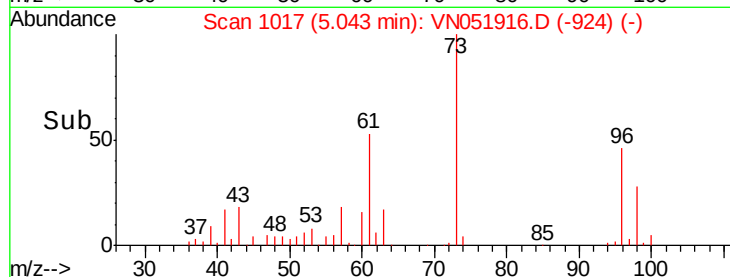
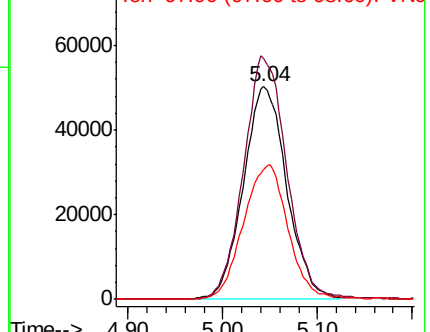


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.303 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion: 45 Resp: 363603

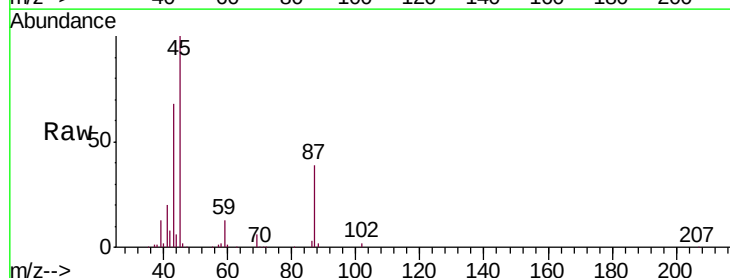
Ion Ratio Lower Upper

45 100

43 65.6 48.9 73.3

87 38.4 32.6 48.8

59 12.8 11.0 16.6



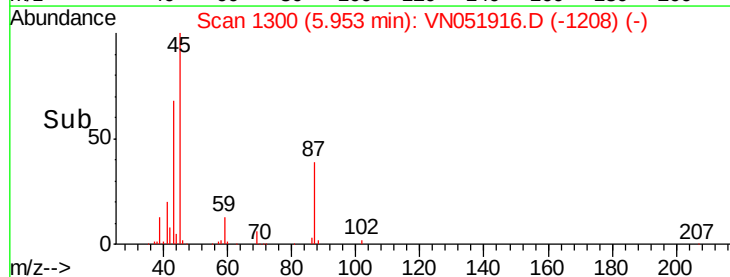
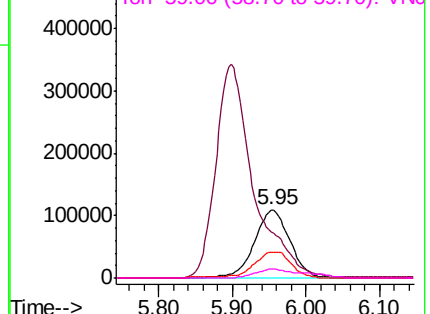
Abundance

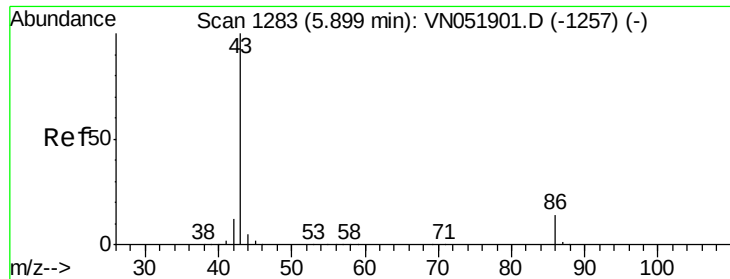
Ion 45.00 (44.70 to 45.70): VNC

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: 99.175 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

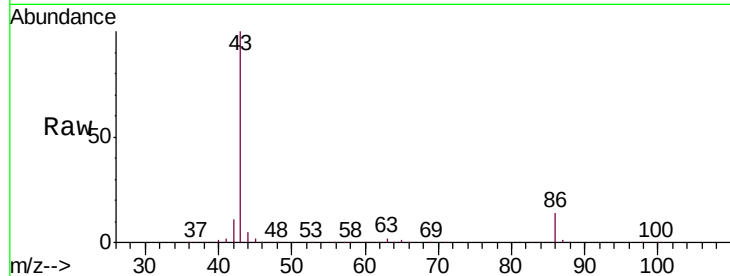
VN1018WBS02

Tgt Ion: 43 Resp: 1222797

Ion Ratio Lower Upper

43 100

86 14.0 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN051916.D (-1257) (-)

Ion 86.00 (85.70 to 86.70): VN051916.D (-1257) (-)

5.90

400000

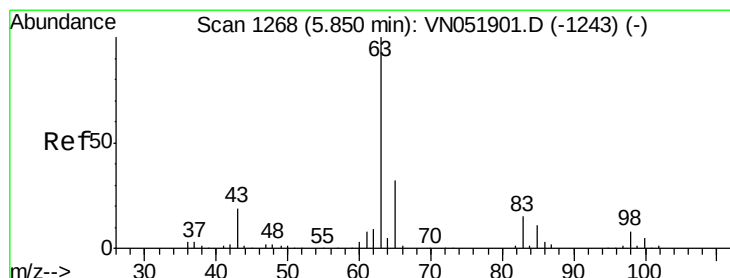
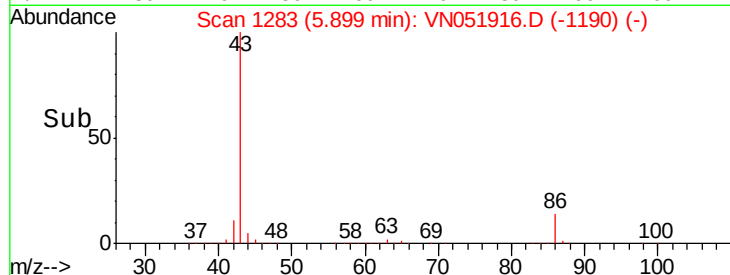
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.061 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

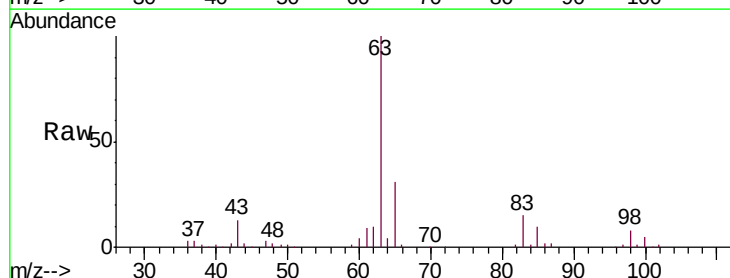
Tgt Ion: 63 Resp: 260176

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.0

100 4.7 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN051916.D (-1243) (-)

Ion 97.90 (97.60 to 98.60): VN051916.D (-1243) (-)

Ion 99.90 (99.60 to 100.60): VN051916.D (-1243) (-)

5.85

100000

80000

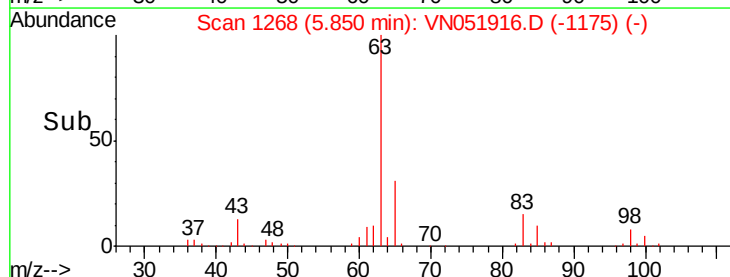
60000

40000

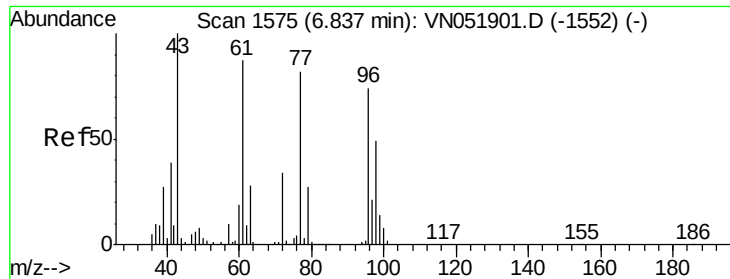
20000

0

Time--> 5.70 5.80 5.90 6.00



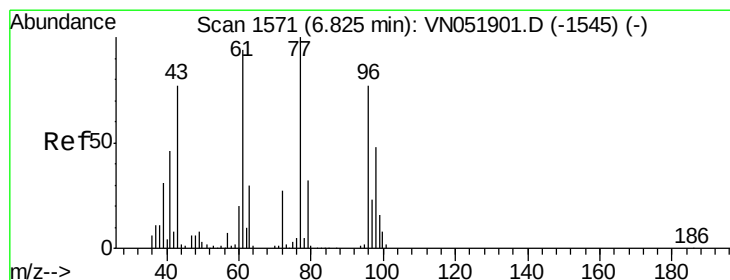
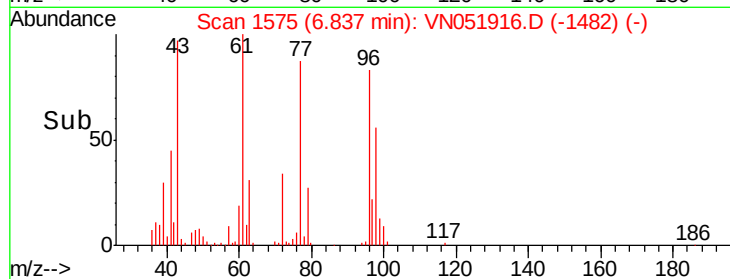
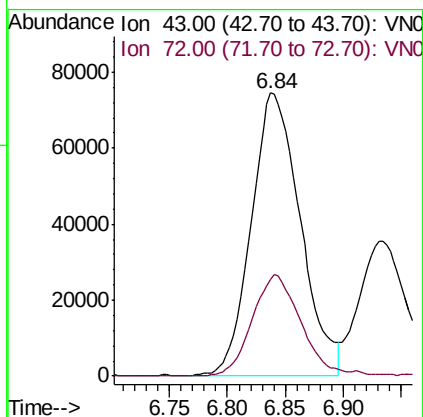
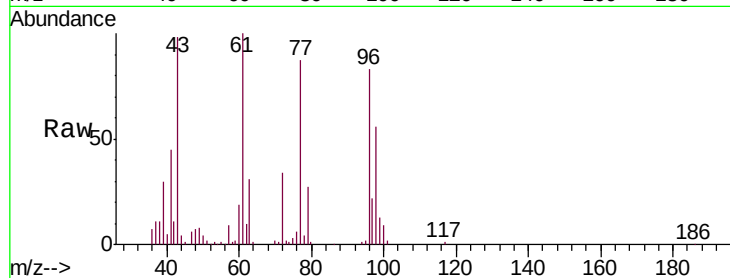




#25  
2-Butanone  
Concen: 94.413 ug/l  
RT: 6.84 min Scan# 1575  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

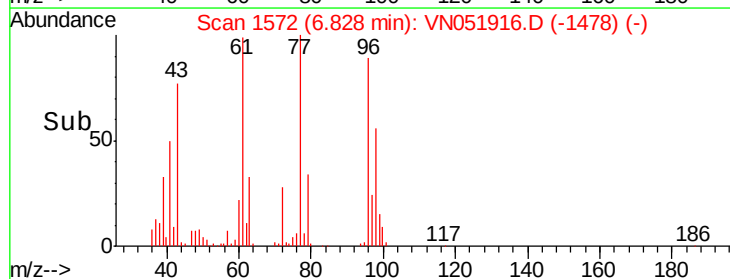
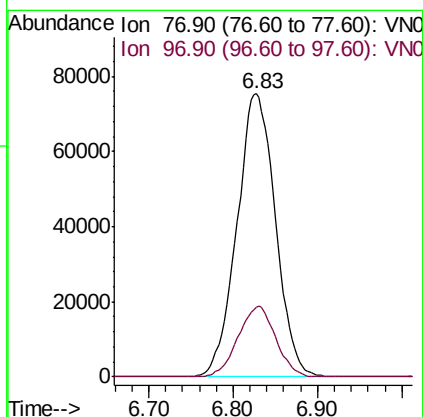
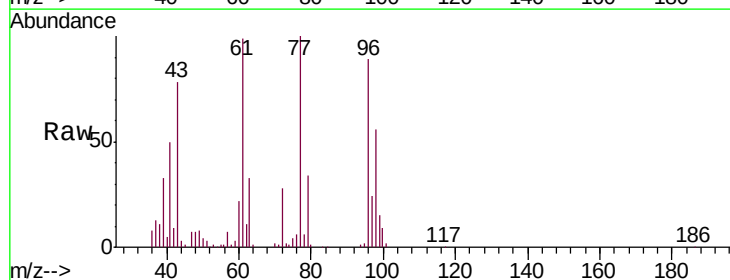
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

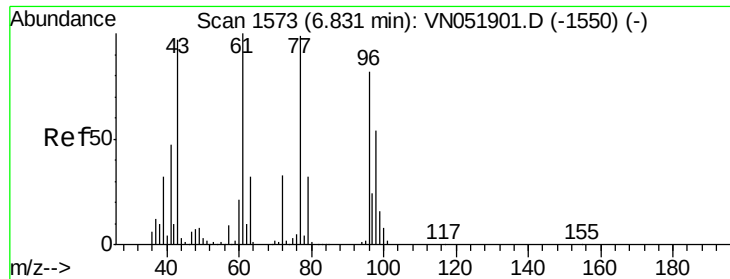
Tgt Ion: 43 Resp: 218369  
Ion Ratio Lower Upper  
43 100  
72 34.3 27.0 40.6



#26  
2,2-Dichloropropane  
Concen: 19.537 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion: 77 Resp: 239643  
Ion Ratio Lower Upper  
77 100  
97 24.4 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 20.522 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

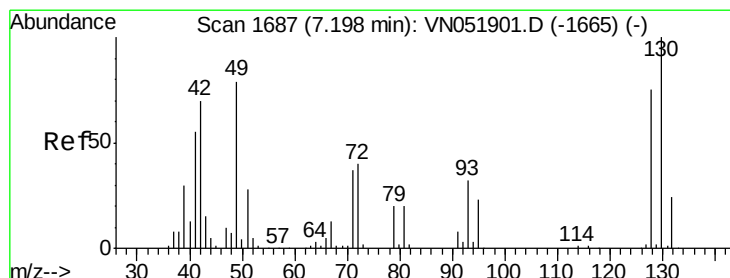
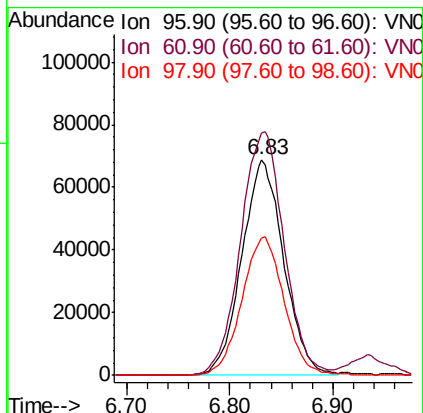
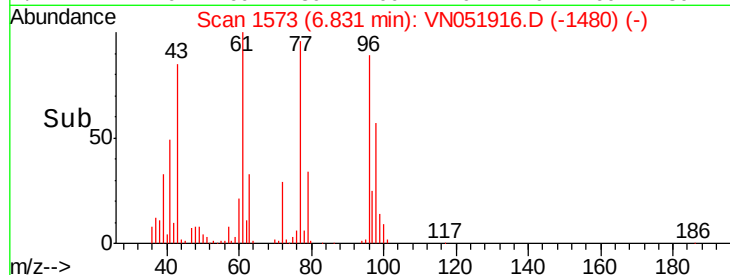
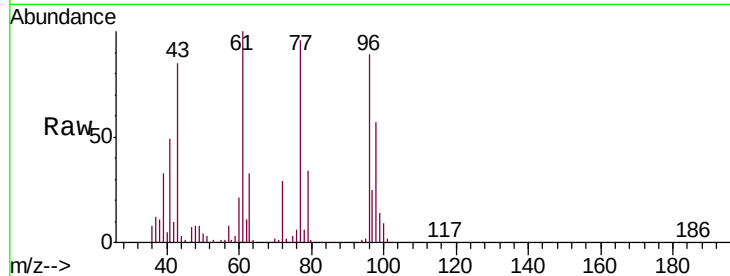
Tgt Ion: 96 Resp: 194464

Ion Ratio Lower Upper

96 100

61 117.6 0.0 240.2

98 64.6 0.0 129.8



#28

Bromochloromethane

Concen: 21.071 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

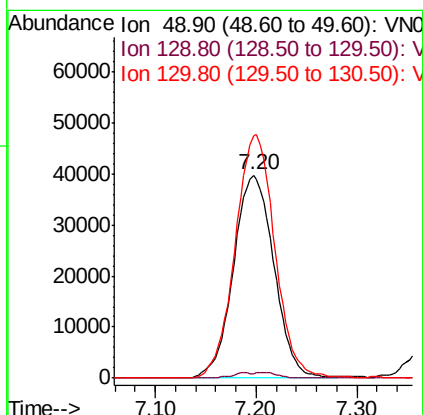
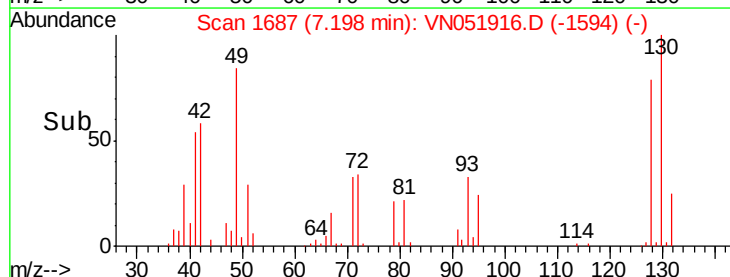
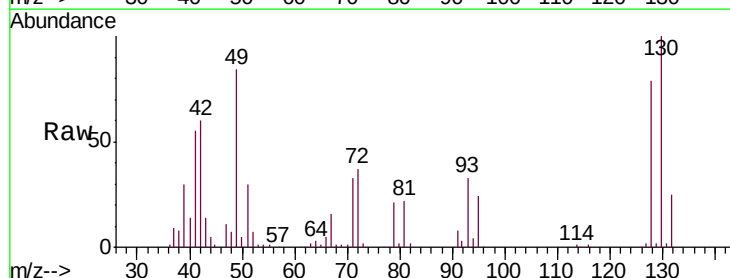
Tgt Ion: 49 Resp: 110971

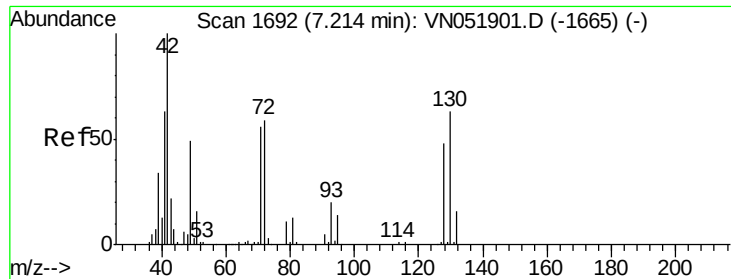
Ion Ratio Lower Upper

49 100

129 1.2 0.0 6.0

130 117.2 96.7 145.1

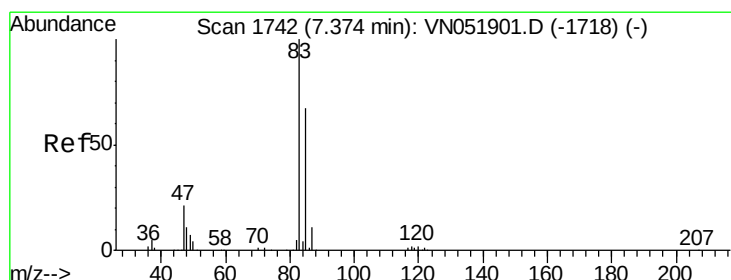
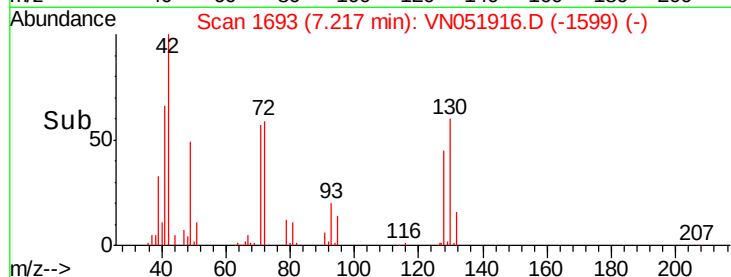
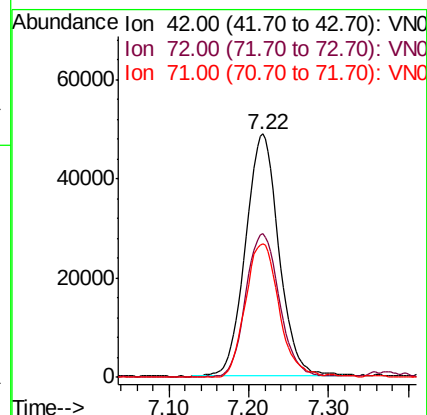
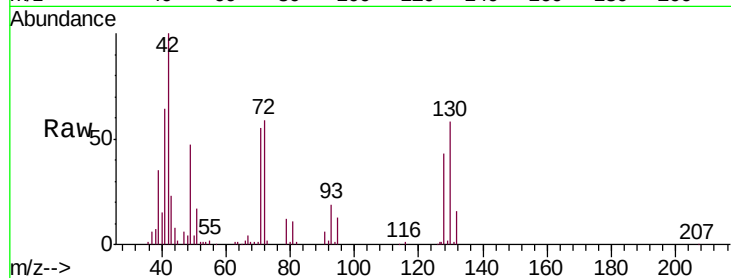




#29  
Tetrahydrofuran  
Concen: 98.040 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

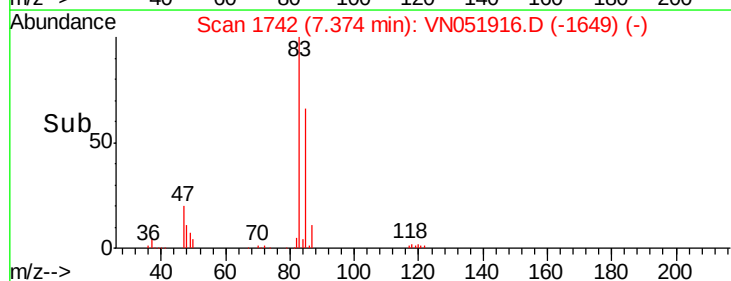
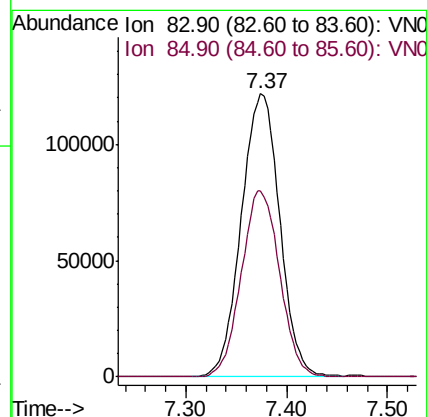
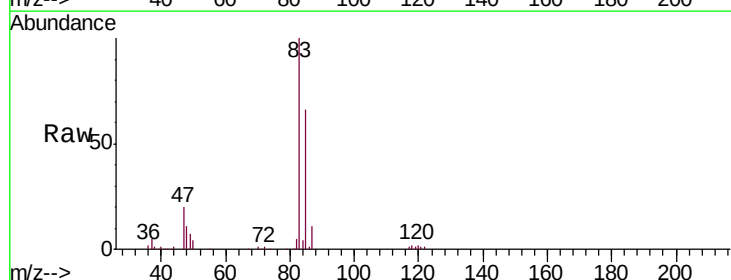
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

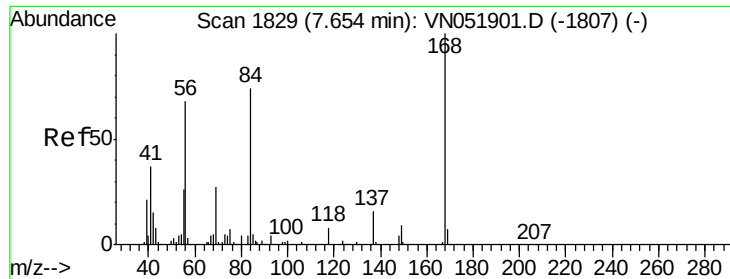
Tgt Ion: 42 Resp: 138500  
Ion Ratio Lower Upper  
42 100  
72 59.0 47.7 71.5  
71 55.6 45.4 68.0



#30  
Chloroform  
Concen: 20.756 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion: 83 Resp: 322046  
Ion Ratio Lower Upper  
83 100  
85 65.8 53.4 80.2

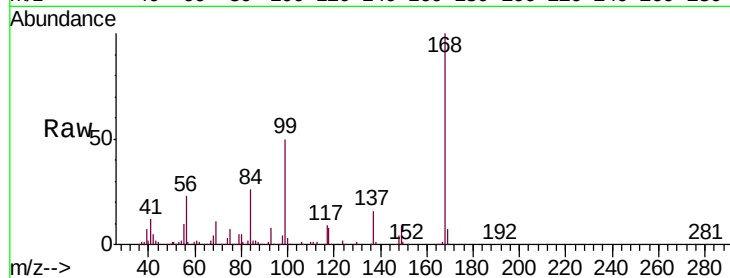




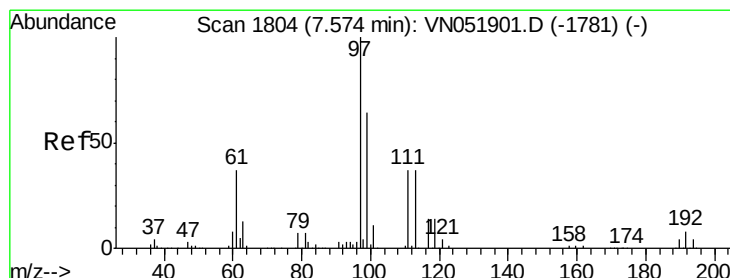
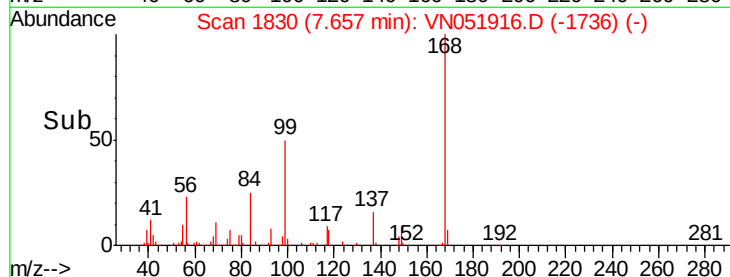
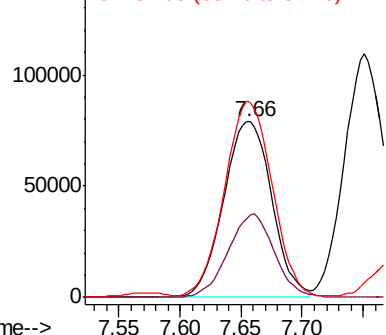
#31  
Cyclohexane  
Concen: 18.911 ug/l  
RT: 7.66 min Scan# 1830  
Delta R.T. 0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

Tgt Ion: 56 Resp: 216788  
Ion Ratio Lower Upper  
56 100  
69 46.8 31.2 46.8#  
84 108.9 86.6 130.0

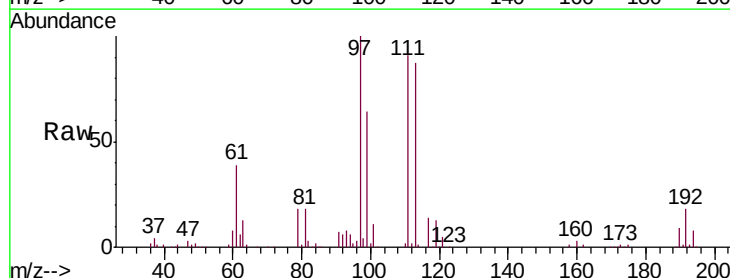


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

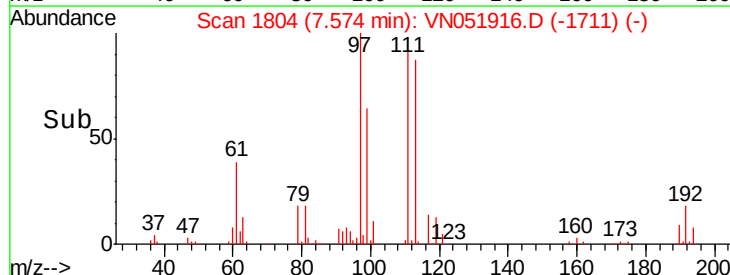
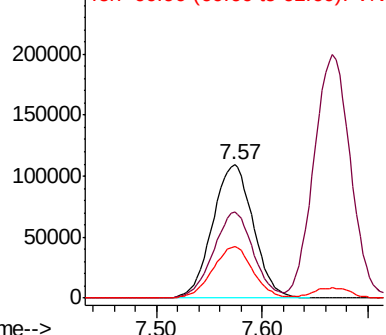


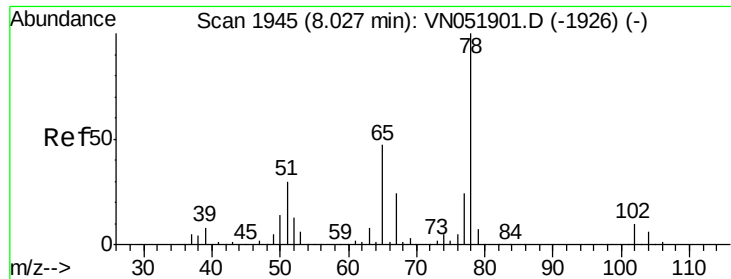
#32  
1,1,1-Trichloroethane  
Concen: 20.321 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion: 97 Resp: 294070  
Ion Ratio Lower Upper  
97 100  
99 63.2 51.3 76.9  
61 38.2 29.8 44.6



Abundance Ion 96.90 (96.60 to 97.60): VN0  
Ion 98.90 (98.60 to 99.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0

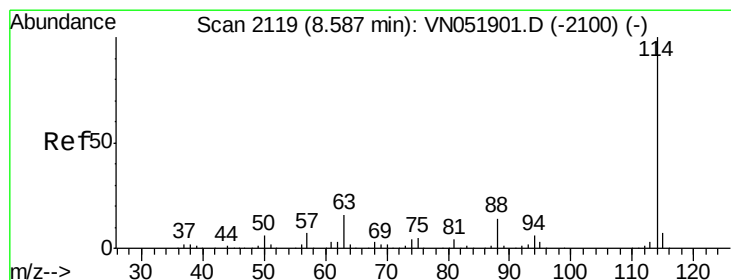
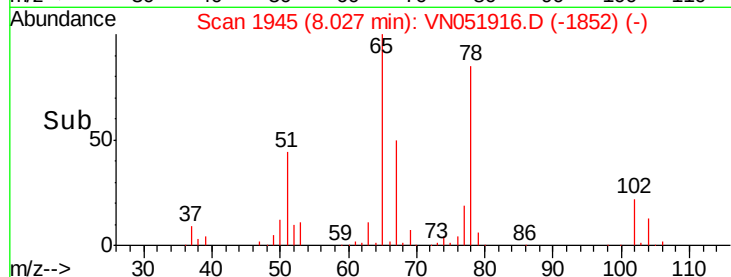
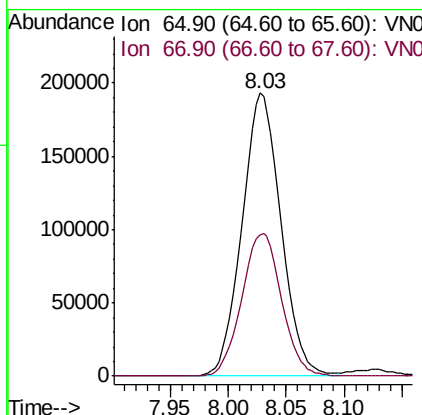
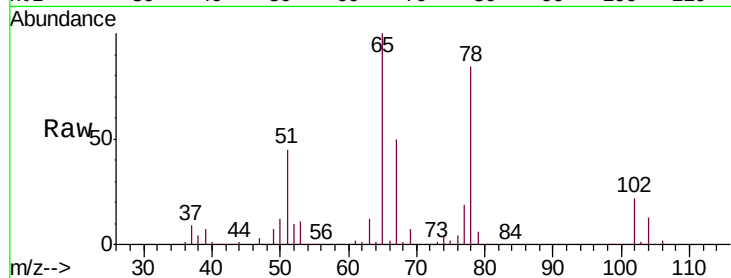




#33  
 1,2-Dichloroethane-d4  
 Concen: 20.321 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

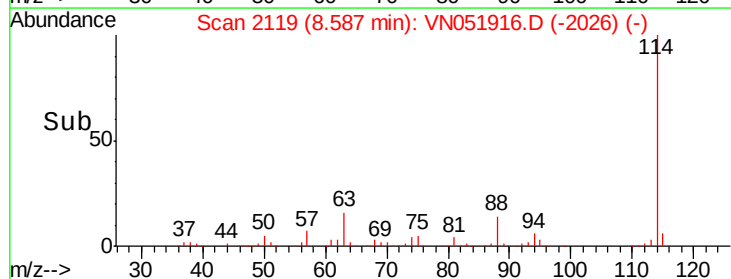
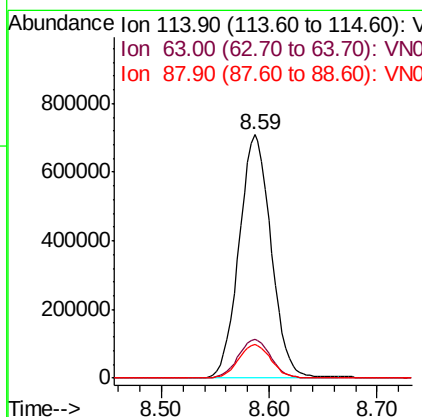
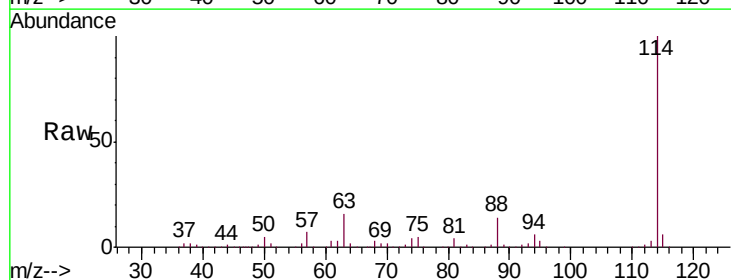
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

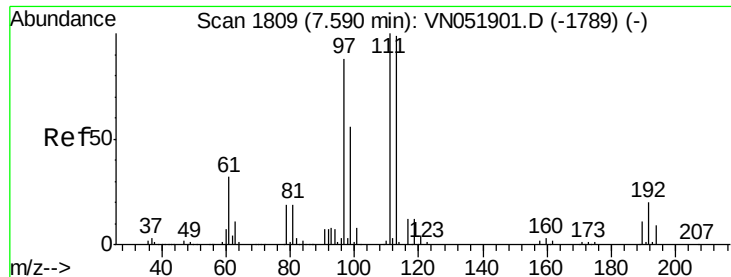
Tgt Ion: 65 Resp: 451500  
 Ion Ratio Lower Upper  
 65 100  
 67 51.4 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

Tgt Ion: 114 Resp: 1467108  
 Ion Ratio Lower Upper  
 114 100  
 63 16.2 0.0 31.8  
 88 14.0 0.0 28.0

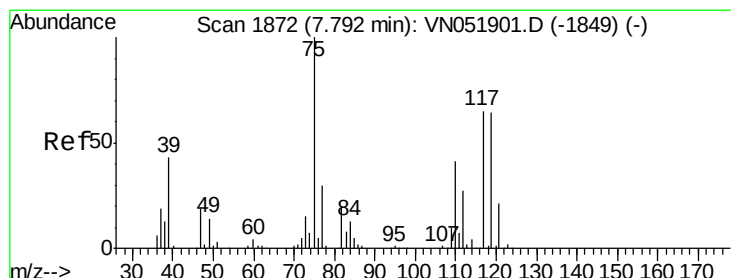
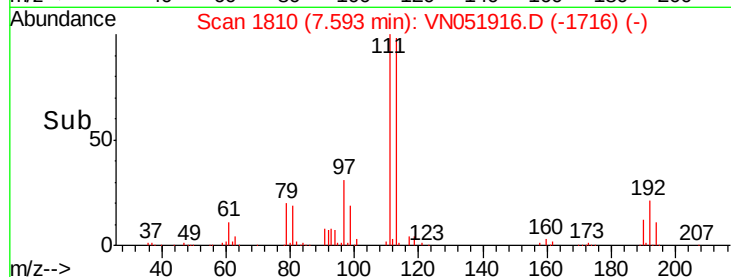
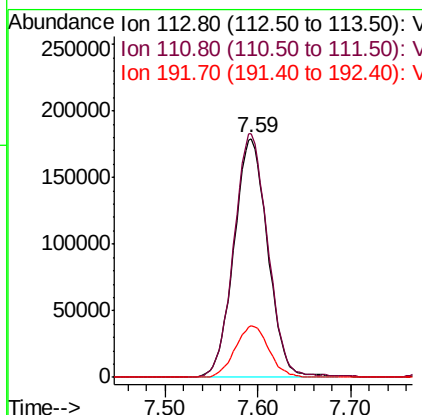
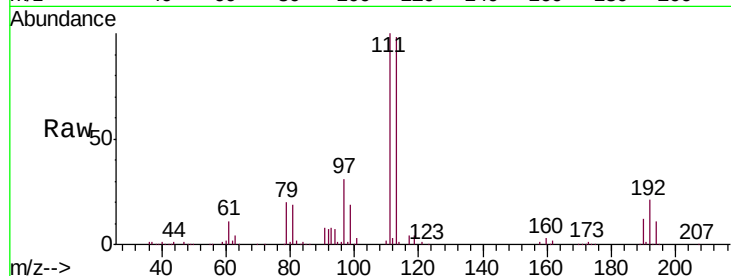




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

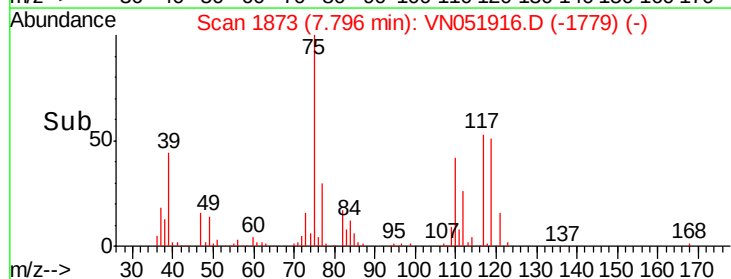
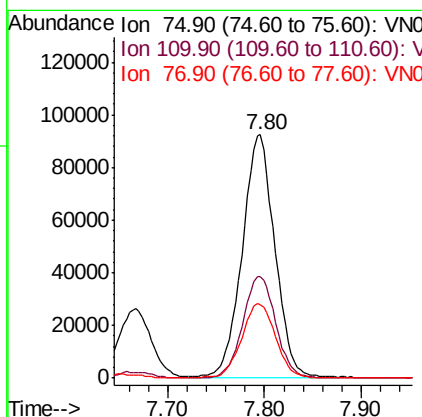
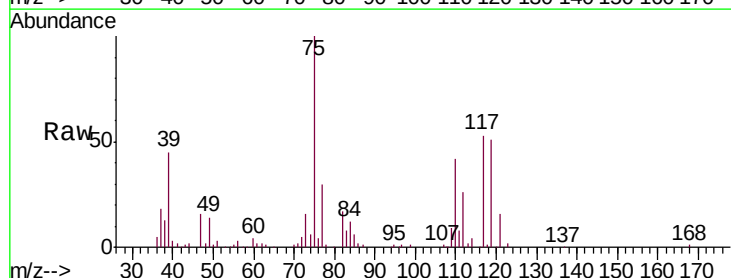
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

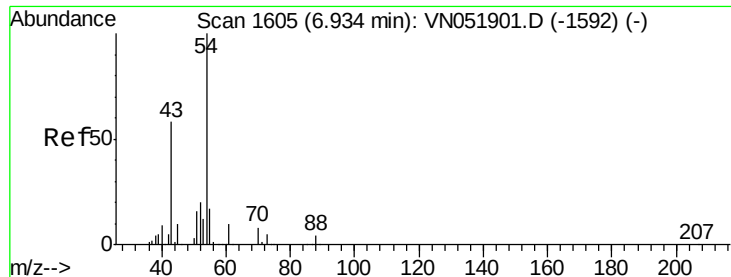
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 82.6  | 123.8 |
| 192     | 21.7  | 17.3  | 25.9  |



#36  
 1,1-Dichloropropene  
 Concen: 18.926 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 42.4  | 21.0  | 63.0  |
| 77      | 32.1  | 24.9  | 37.3  |

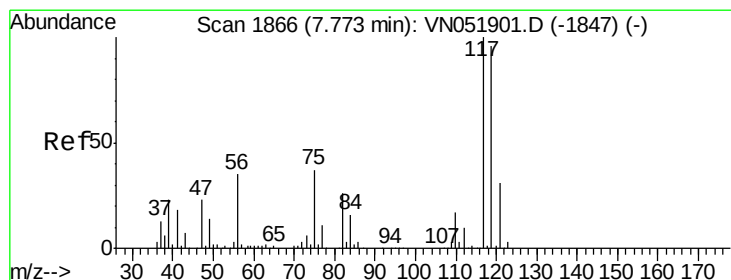
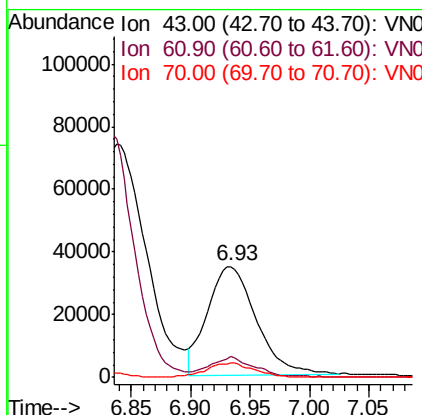
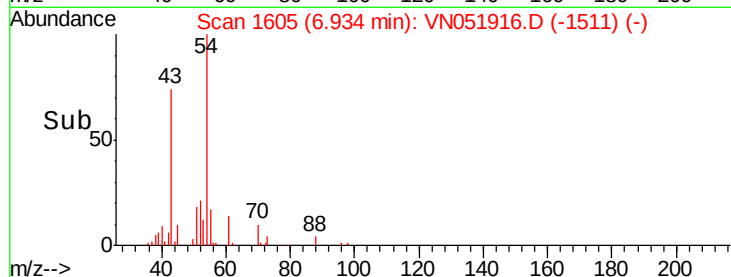
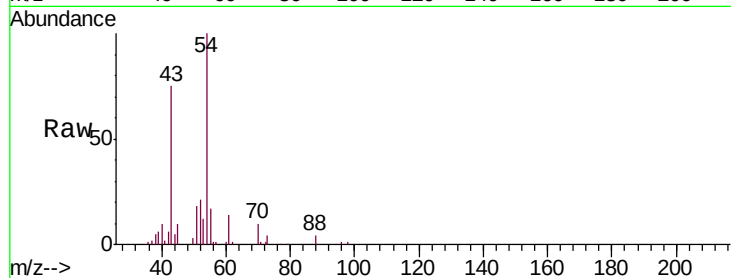




#37  
Ethyl Acetate  
Concen: 17.898 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. 0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

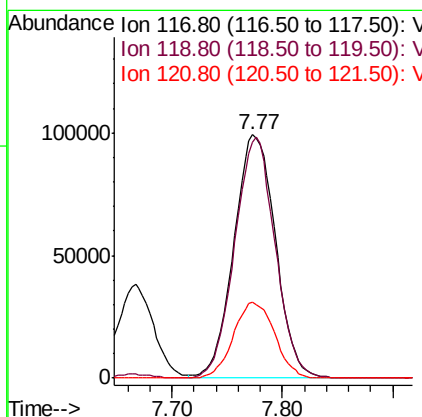
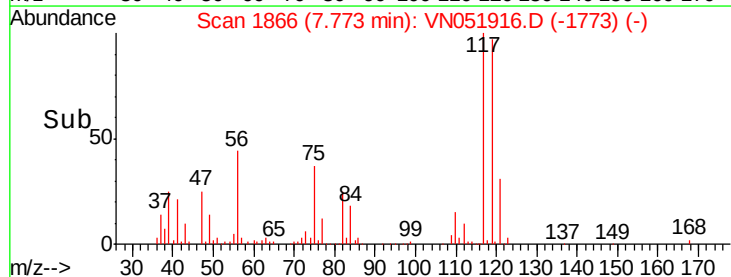
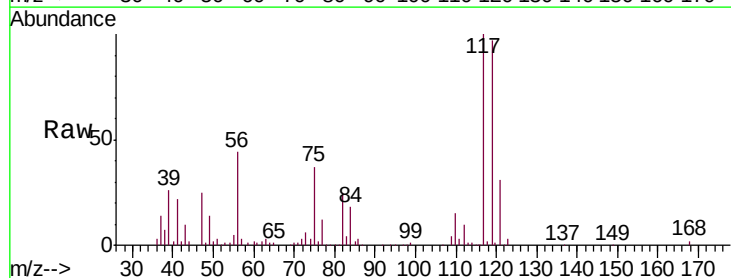
Instrument :  
MSVOA\_N  
ClientSampled :  
VN1018WBS02

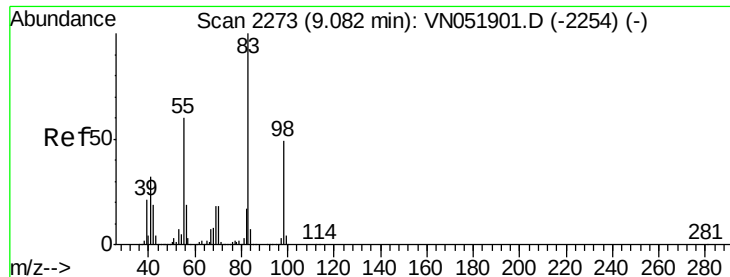
Tgt Ion: 43 Resp: 98187  
Ion Ratio Lower Upper  
43 100  
61 15.7 13.0 19.6  
70 13.0 10.4 15.6



#38  
Carbon Tetrachloride  
Concen: 19.280 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion: 117 Resp: 258535  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.0 115.6  
121 31.4 25.1 37.7

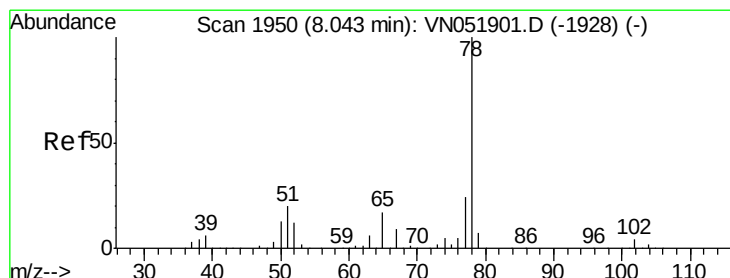
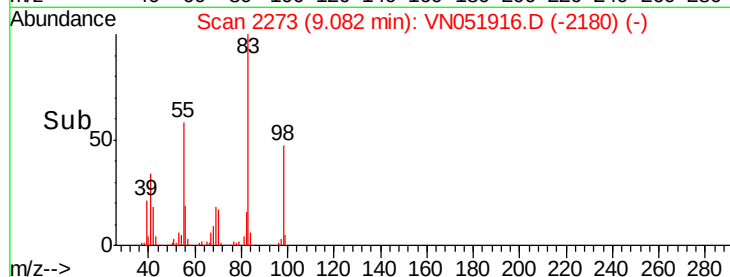
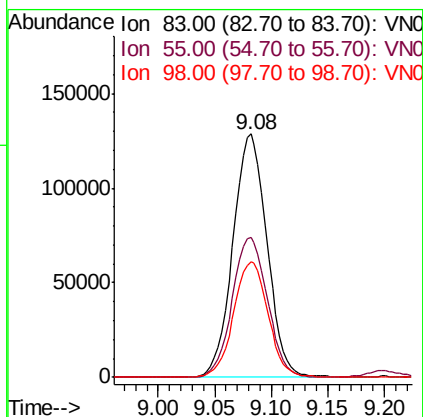
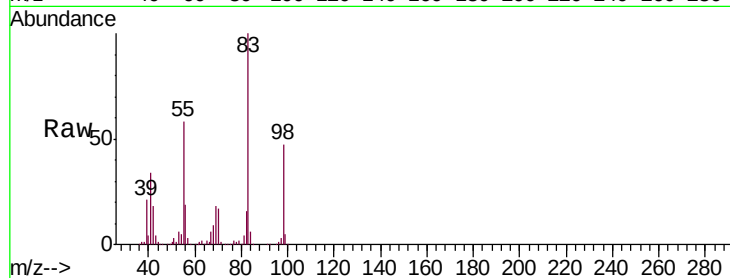




#39  
Methylcyclohexane  
Concen: 19.187 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

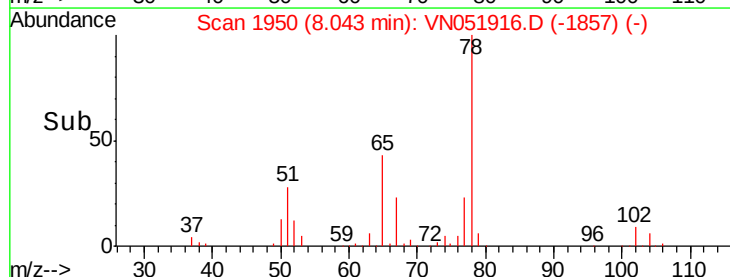
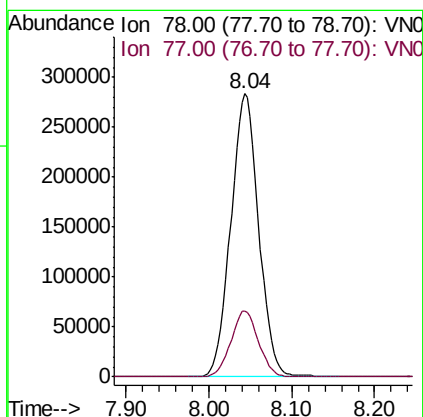
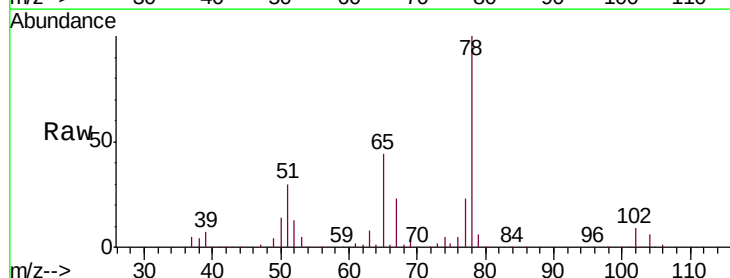
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

Tgt Ion: 83 Resp: 270543  
Ion Ratio Lower Upper  
83 100  
55 57.7 47.8 71.8  
98 47.3 39.0 58.4

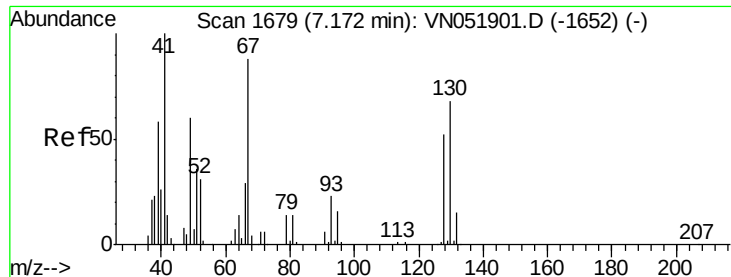


#40  
Benzene  
Concen: 19.963 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion: 78 Resp: 664064  
Ion Ratio Lower Upper  
78 100  
77 23.4 18.9 28.3







#41

Methacrylonitrile

Concen: 21.989 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 41 Resp: 56872

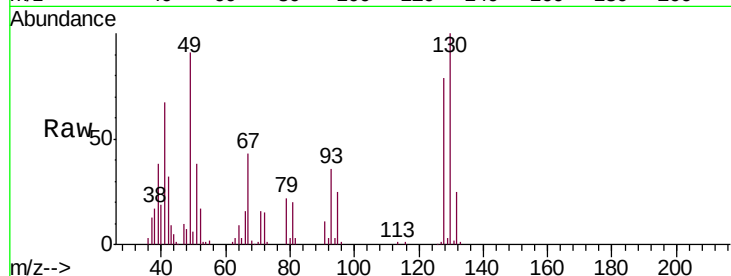
Ion Ratio Lower Upper

41 100

39 45.6 56.1 84.1#

67 95.0 106.5 159.7#

52 39.4 39.4 59.0

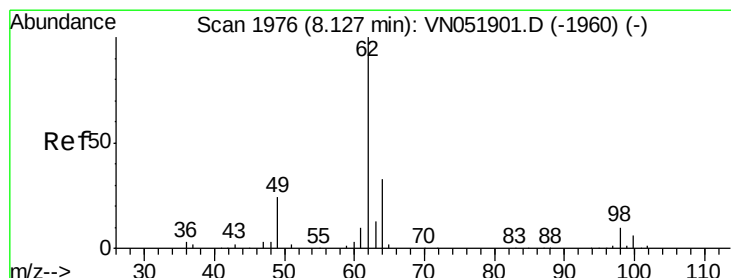
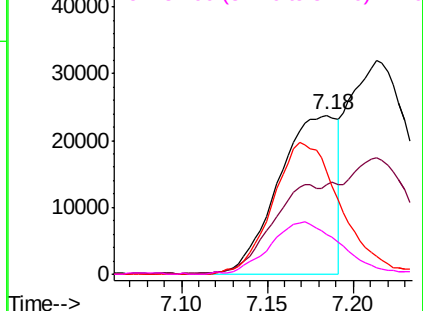
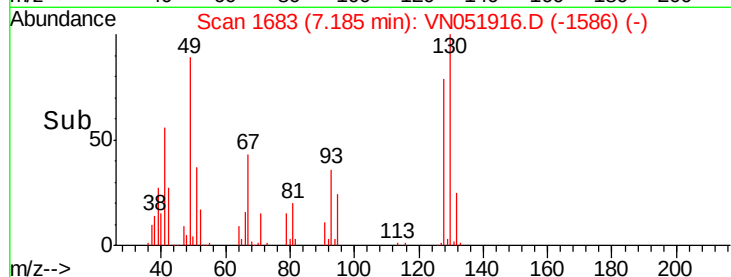


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 20.242 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN051916.D

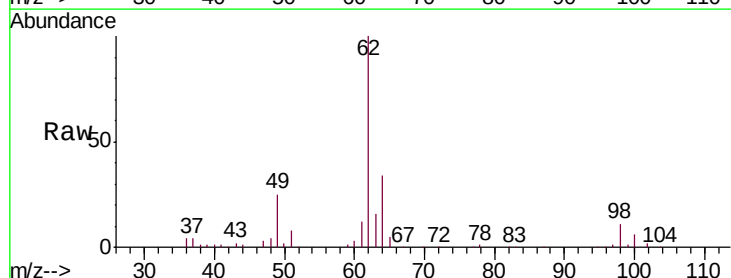
Acq: 18 Oct 2018 15:08

Tgt Ion: 62 Resp: 215720

Ion Ratio Lower Upper

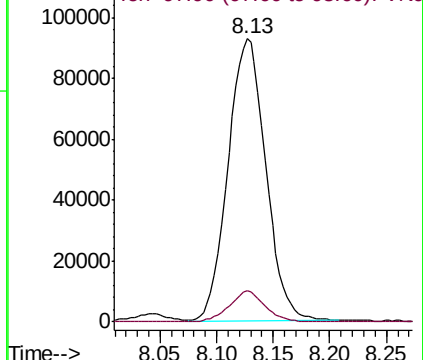
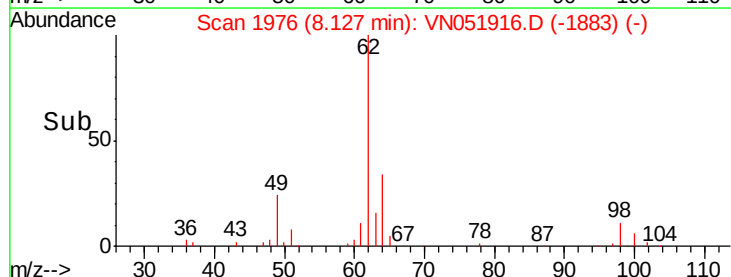
62 100

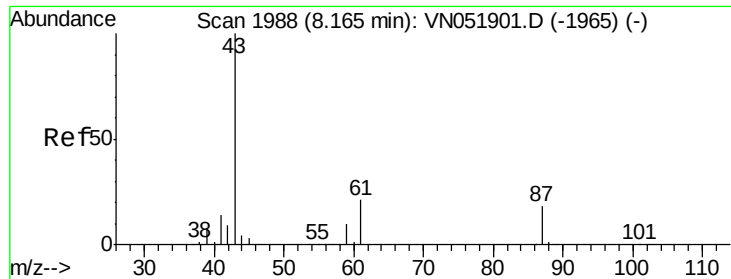
98 10.2 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 18.279 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

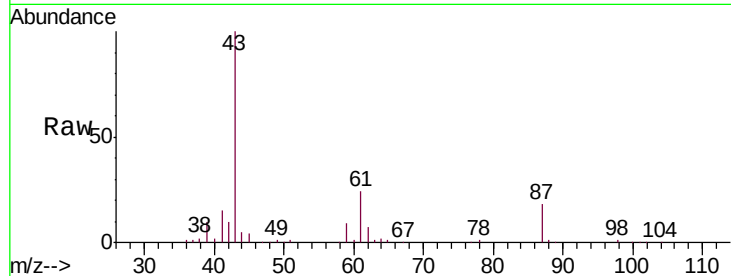
Tgt Ion: 43 Resp: 198020

Ion Ratio Lower Upper

43 100

61 21.5 24.9 37.3#

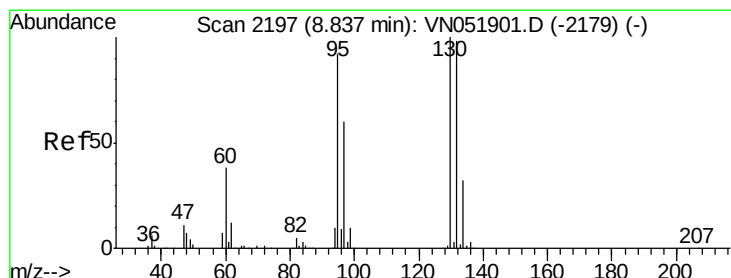
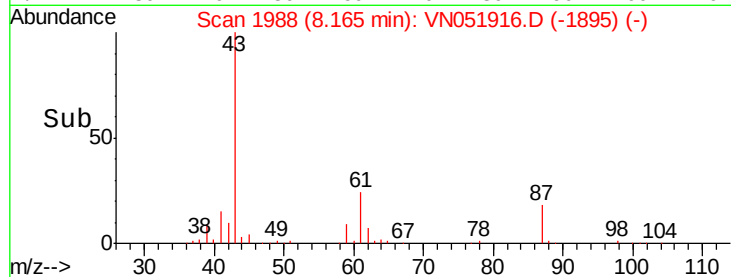
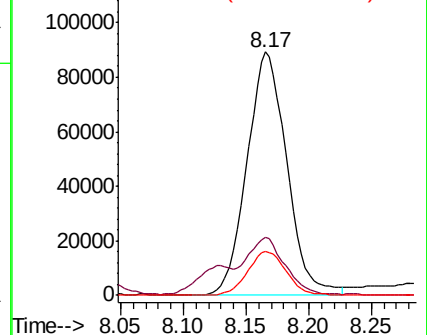
87 17.6 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): VN051916.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN051916.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN051916.D (-1895) (-)



#44

Trichloroethene

Concen: 20.231 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051916.D

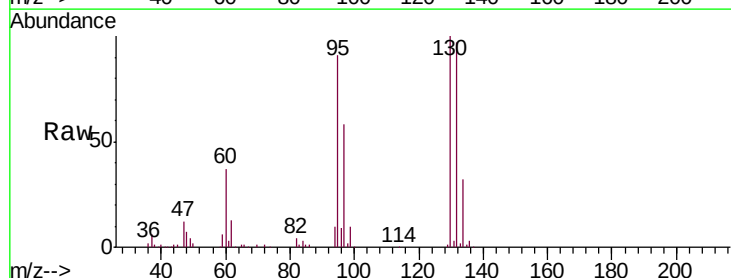
Acq: 18 Oct 2018 15:08

Tgt Ion: 130 Resp: 211195

Ion Ratio Lower Upper

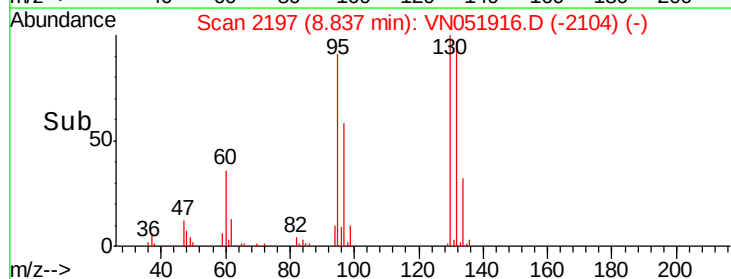
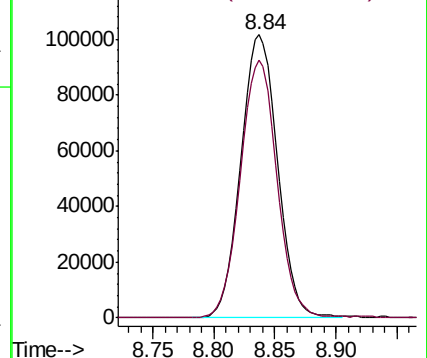
130 100

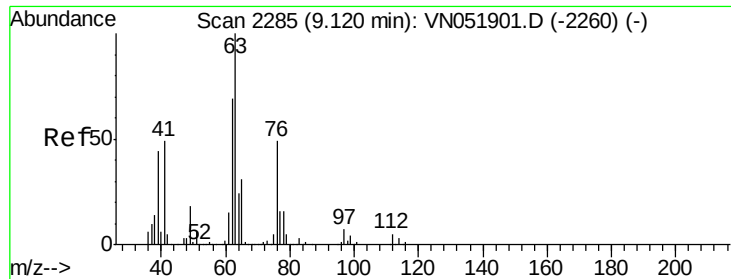
95 91.2 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): VN051916.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN051916.D (-2104) (-)

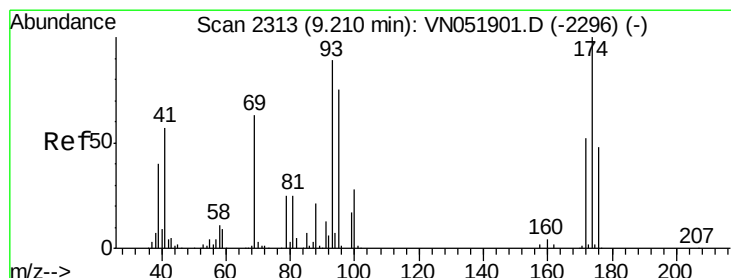
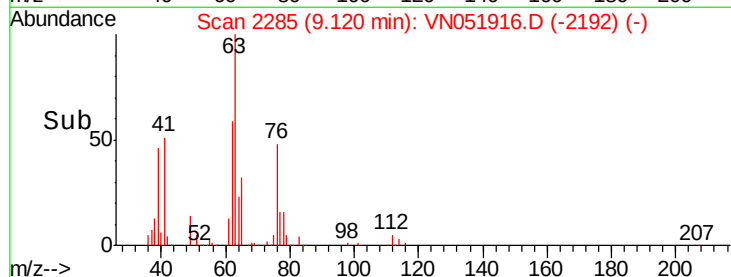
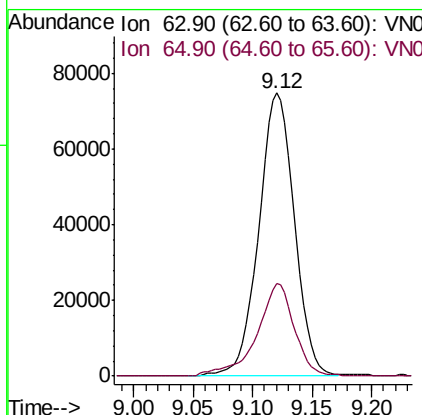
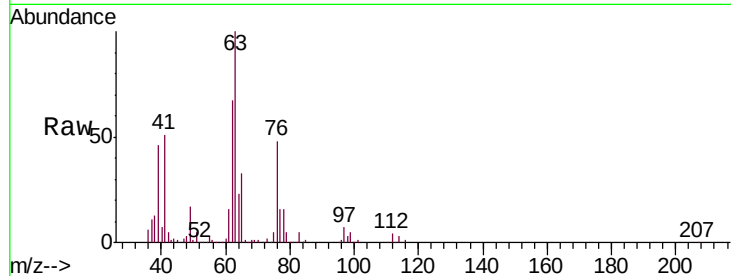




#45  
 1,2-Dichloropropane  
 Concen: 20.159 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

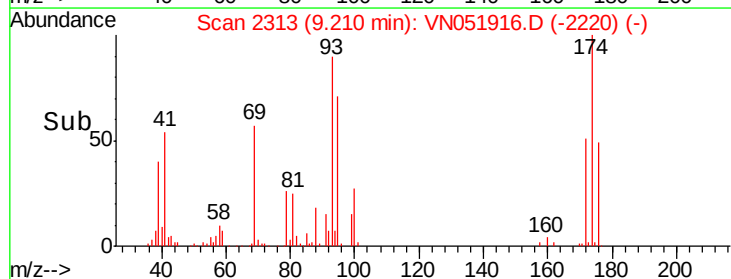
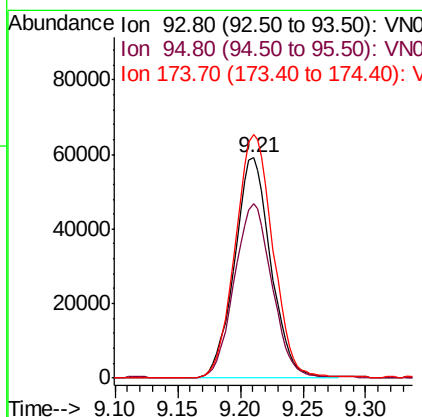
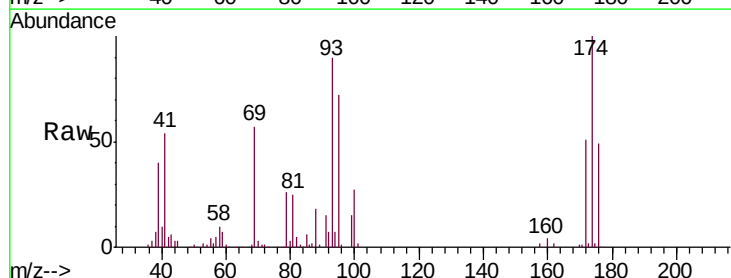
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

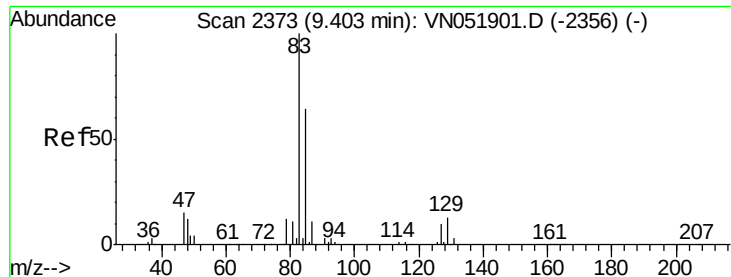
Tgt Ion: 63 Resp: 155063  
 Ion Ratio Lower Upper  
 63 100  
 65 32.7 24.9 37.3



#46  
 Dibromomethane  
 Concen: 20.273 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

Tgt Ion: 93 Resp: 118865  
 Ion Ratio Lower Upper  
 93 100  
 95 82.2 67.8 101.6  
 174 114.6 91.9 137.9

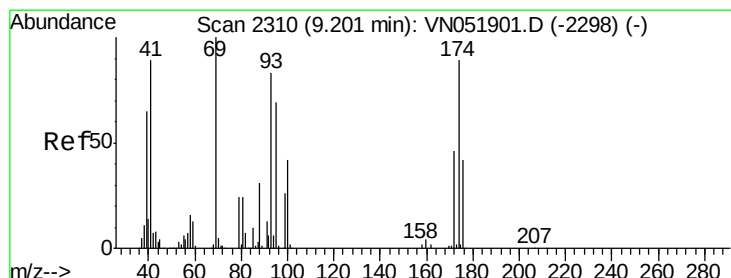
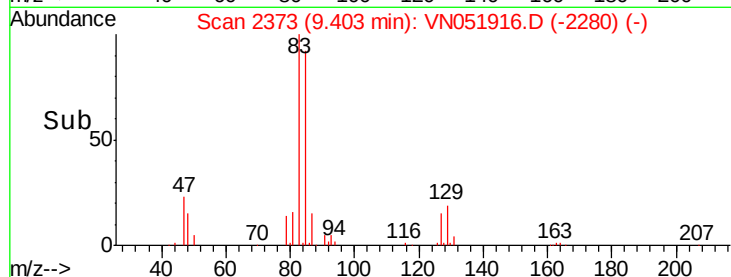
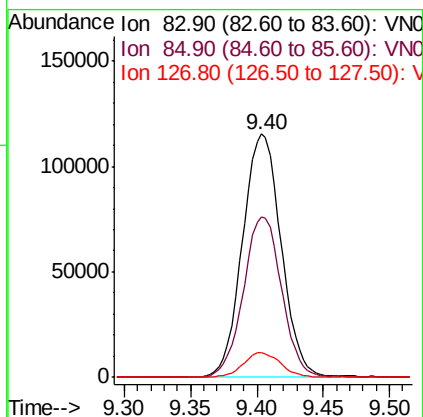
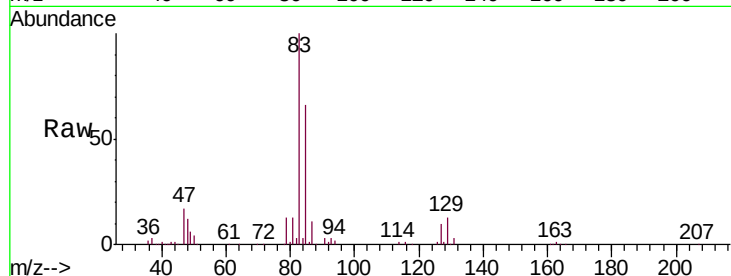




#47  
Bromodichloromethane  
Concen: 19.870 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

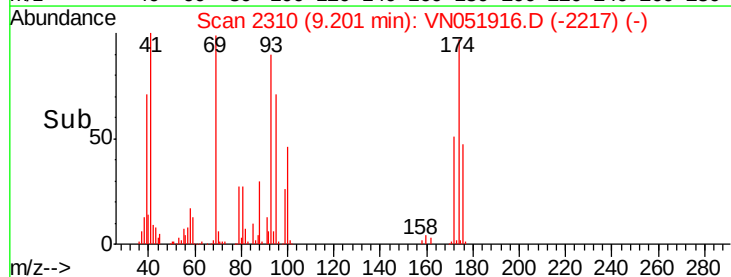
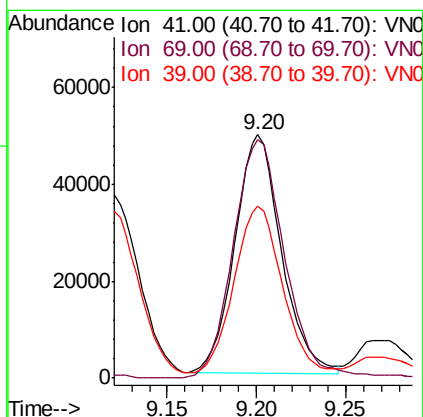
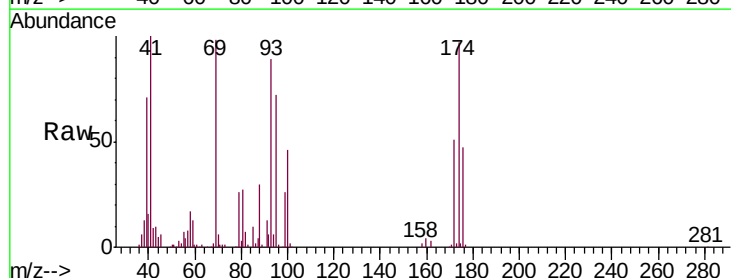
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

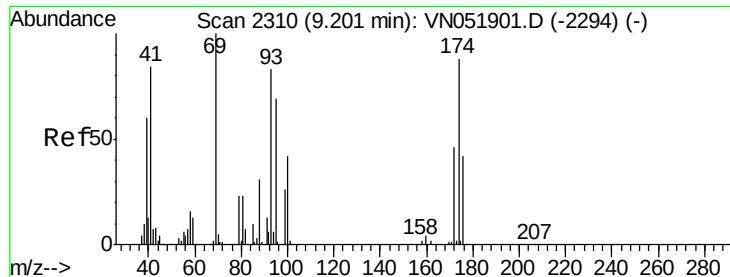
Tgt Ion: 83 Resp: 233496  
Ion Ratio Lower Upper  
83 100  
85 65.7 51.4 77.2  
127 10.3 7.9 11.9



#48  
Methyl methacrylate  
Concen: 19.466 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion: 41 Resp: 89479  
Ion Ratio Lower Upper  
41 100  
69 111.6 90.2 135.2  
39 76.1 59.7 89.5





#49

1,4-Dioxane

Concen: 381.051 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

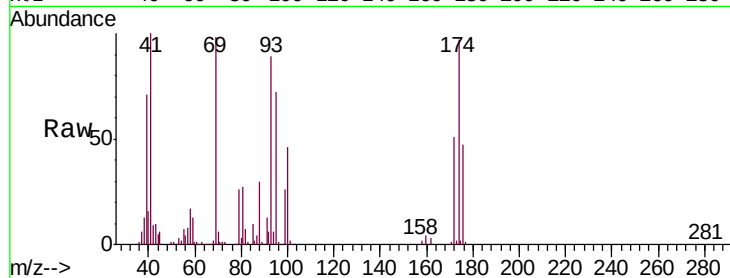
Tgt Ion: 88 Resp: 33269

Ion Ratio Lower Upper

88 100

43 23.9 19.7 29.5

58 52.2 42.6 64.0

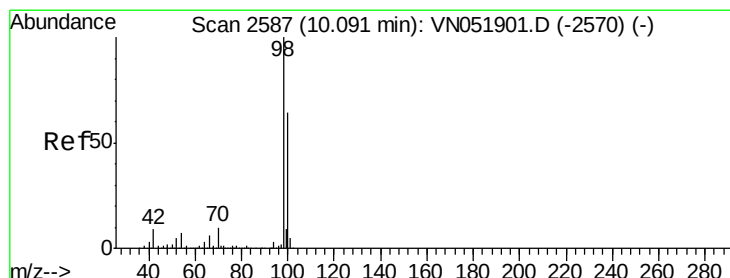
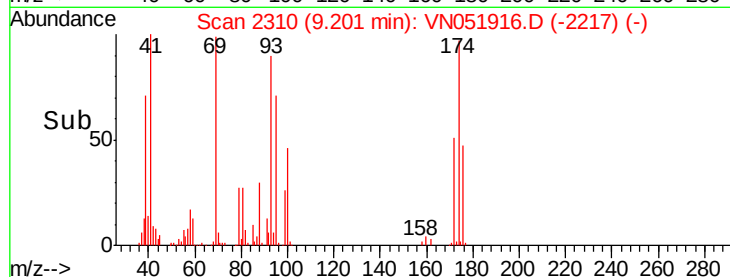
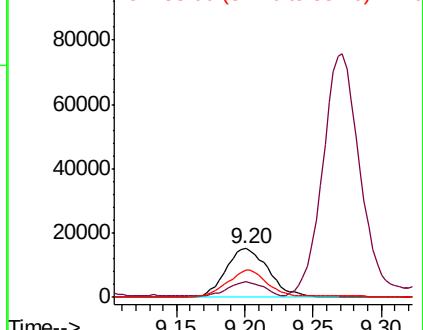


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 381.051 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051916.D

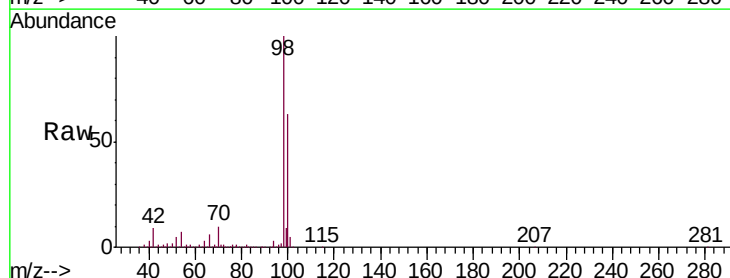
Acq: 18 Oct 2018 15:08

Tgt Ion: 98 Resp: 1625664

Ion Ratio Lower Upper

98 100

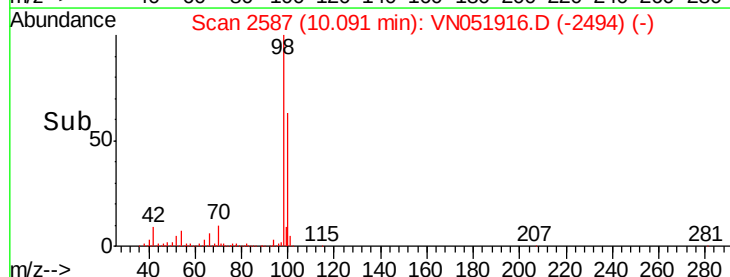
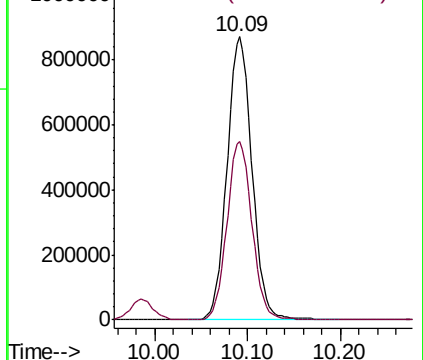
100 62.9 51.0 76.4

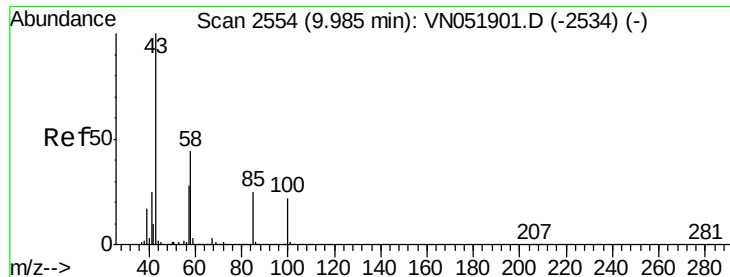


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

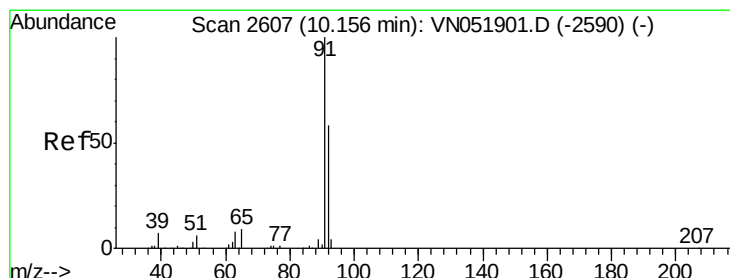
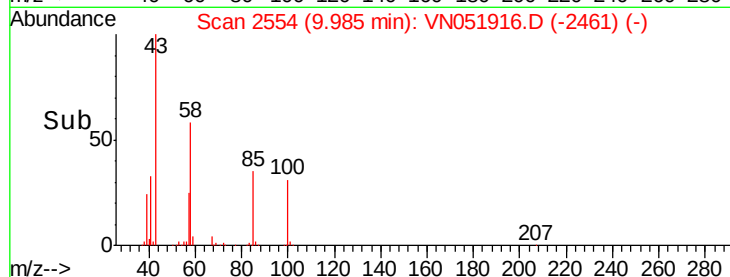
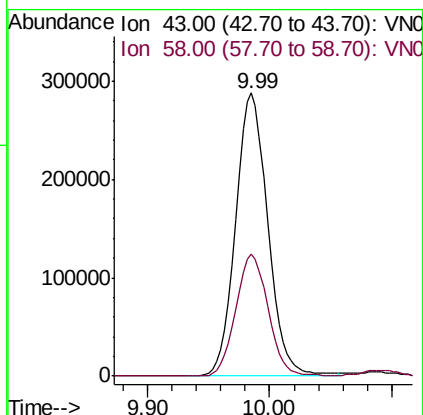
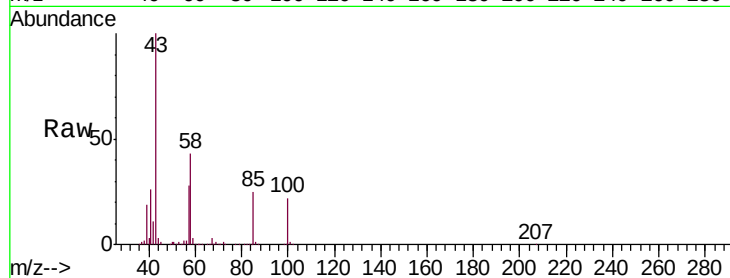




#51  
 4-Methyl-2-Pentanone  
 Concen: 99.035 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

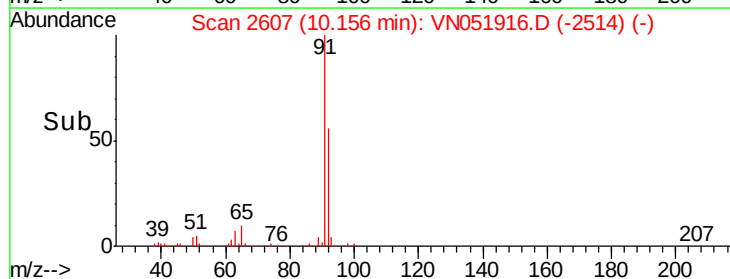
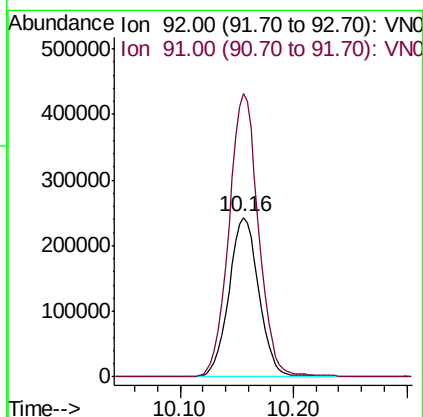
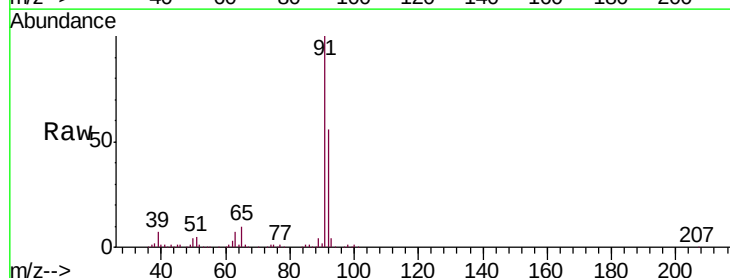
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

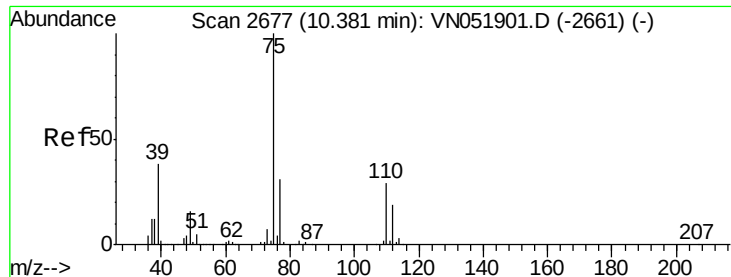
Tgt Ion: 43 Resp: 524965  
 Ion Ratio Lower Upper  
 43 100  
 58 43.3 34.6 52.0



#52  
 Toluene  
 Concen: 20.090 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

Tgt Ion: 92 Resp: 447050  
 Ion Ratio Lower Upper  
 92 100  
 91 176.4 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.671 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

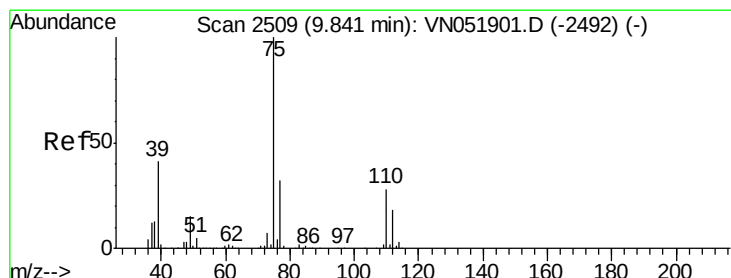
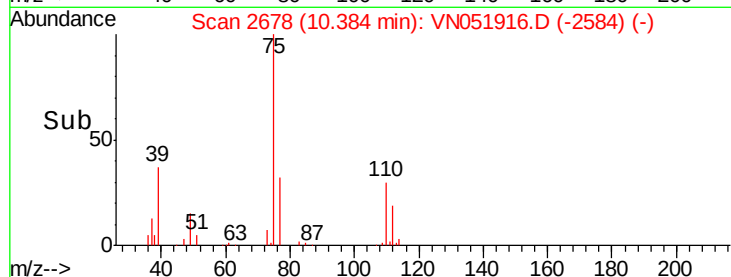
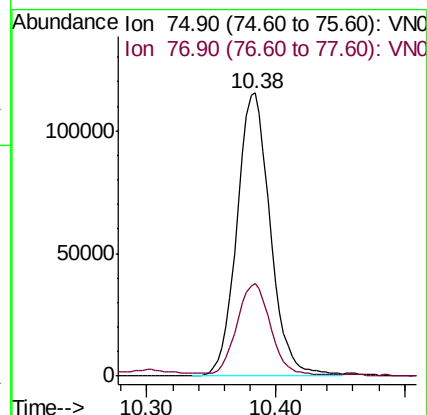
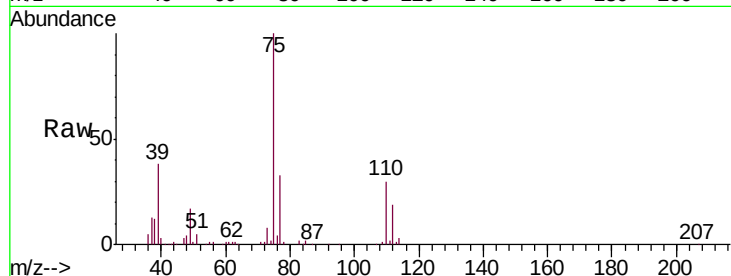
VN1018WBS02

Tgt Ion: 75 Resp: 207910

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.561 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

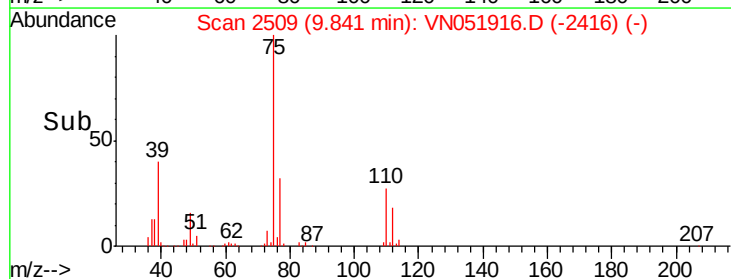
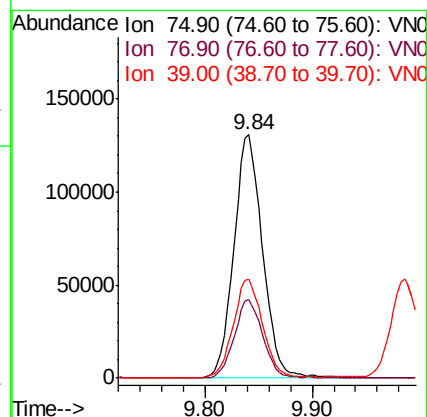
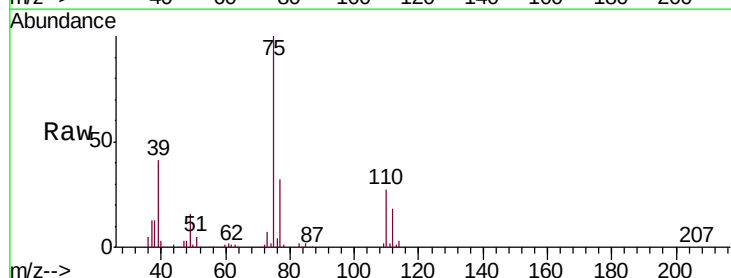
Tgt Ion: 75 Resp: 242890

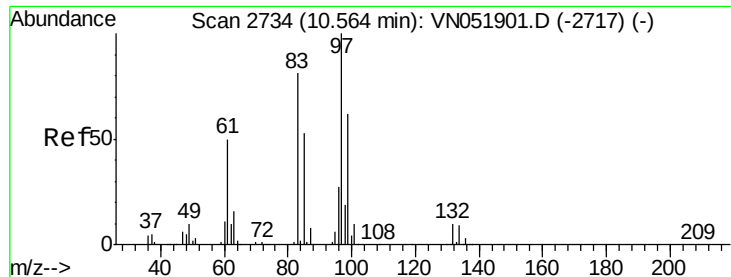
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 40.5 32.8 49.2





#55

1,1,2-Trichloroethane

Concen: 20.079 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

Tgt Ion: 97 Resp: 163719

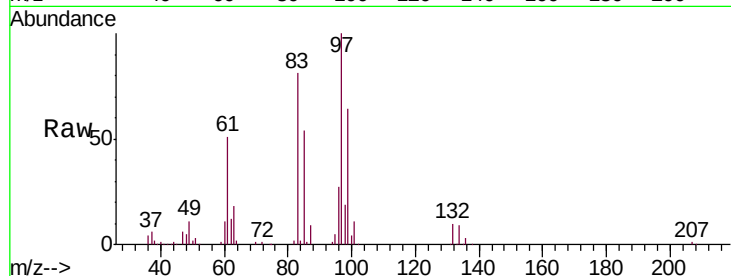
Ion Ratio Lower Upper

97 100

83 80.8 64.6 96.8

85 54.2 42.3 63.5

99 63.9 49.7 74.5

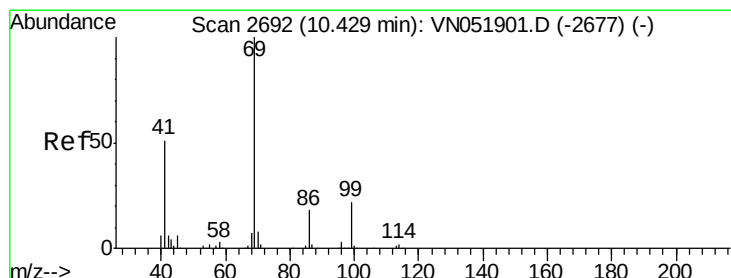
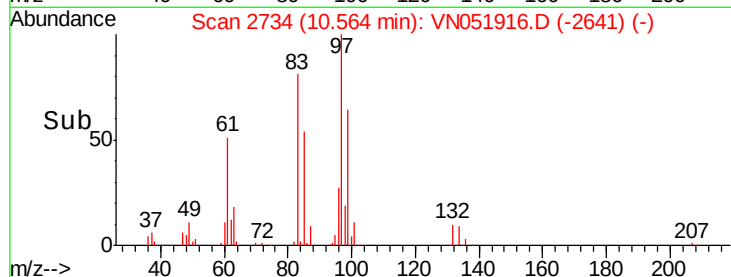
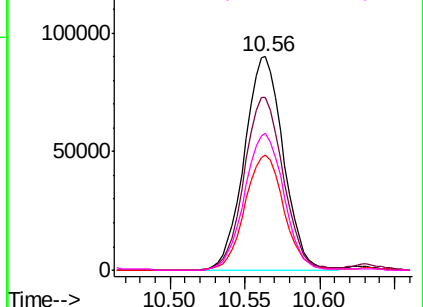


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.444 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

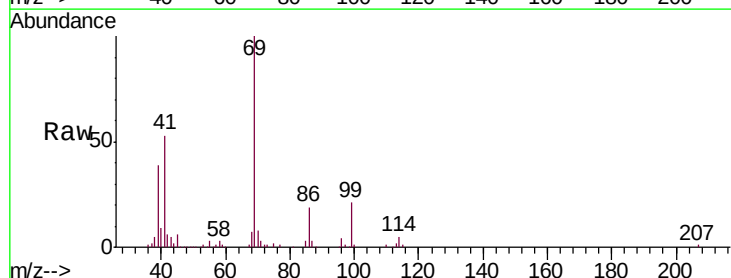
Tgt Ion: 69 Resp: 177248

Ion Ratio Lower Upper

69 100

41 52.2 40.6 61.0

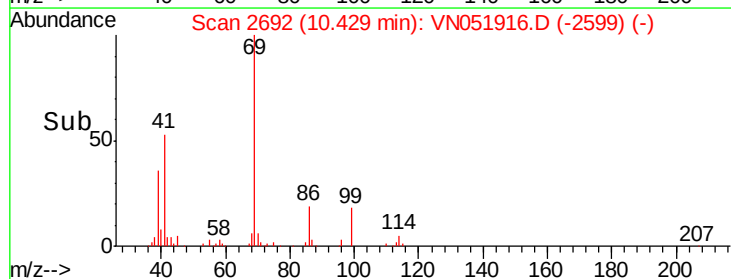
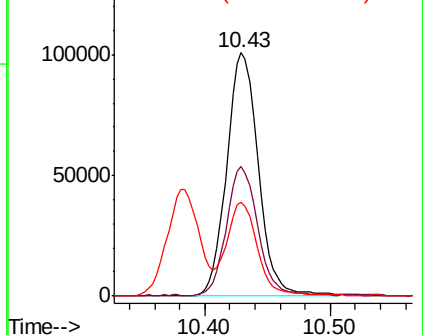
39 37.9 29.4 44.0



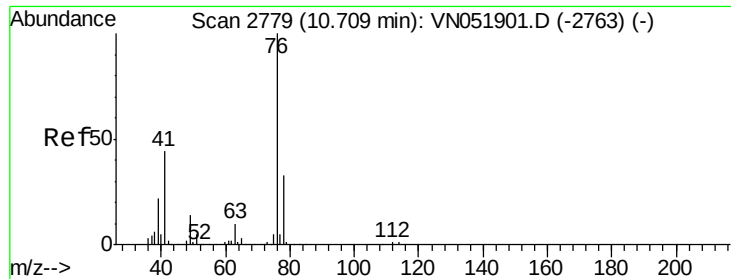
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0







#57

1,3-Dichloropropane

Concen: 20.119 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

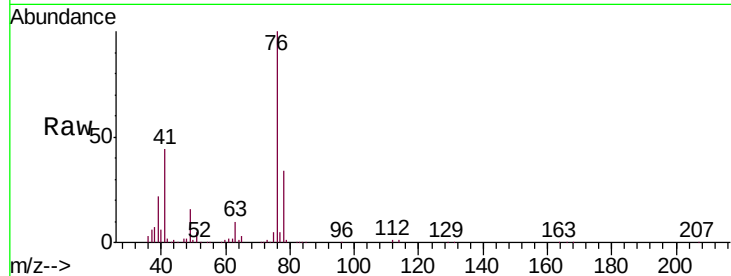
VN1018WBS02

Tgt Ion: 76 Resp: 249770

Ion Ratio Lower Upper

76 100

78 33.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

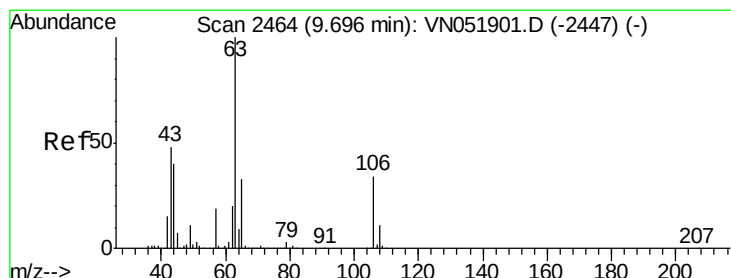
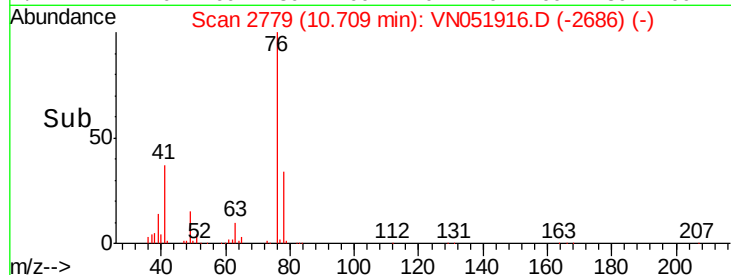
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 89.131 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051916.D

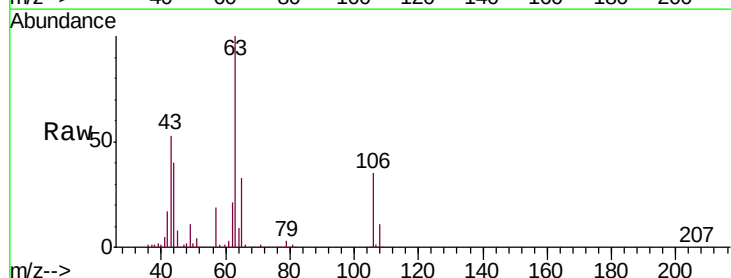
Acq: 18 Oct 2018 15:08

Tgt Ion: 63 Resp: 366497

Ion Ratio Lower Upper

63 100

106 34.1 27.5 41.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

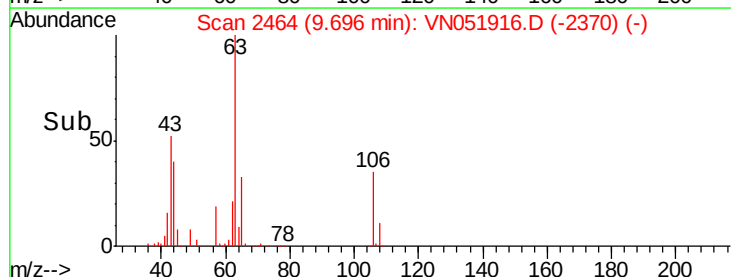
150000

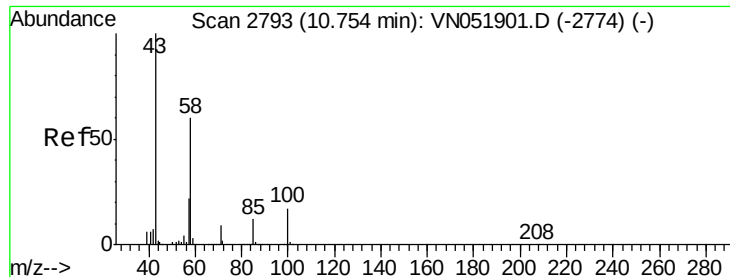
100000

50000

0

Time--> 9.60 9.70 9.80

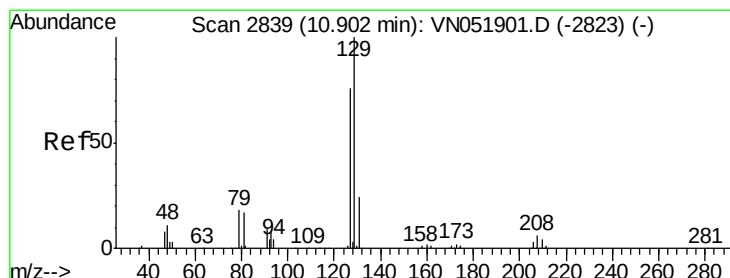
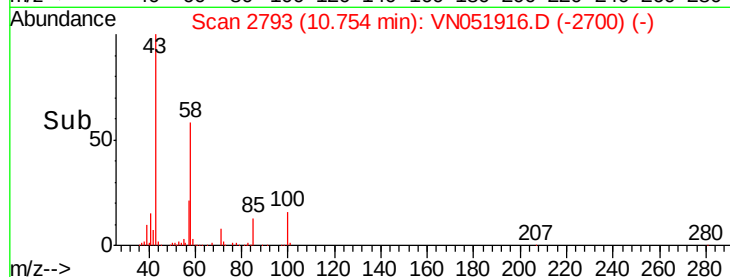
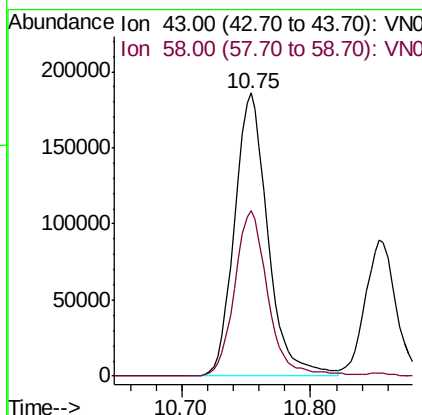
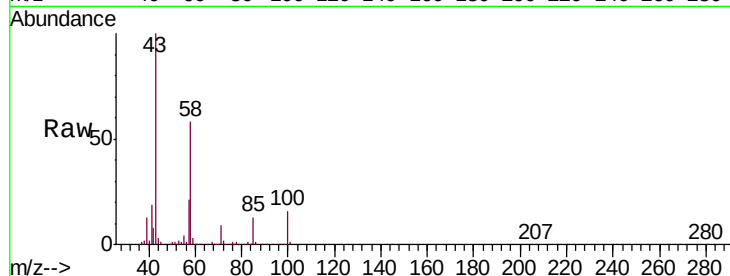




#59  
2-Hexanone  
Concen: 93.339 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

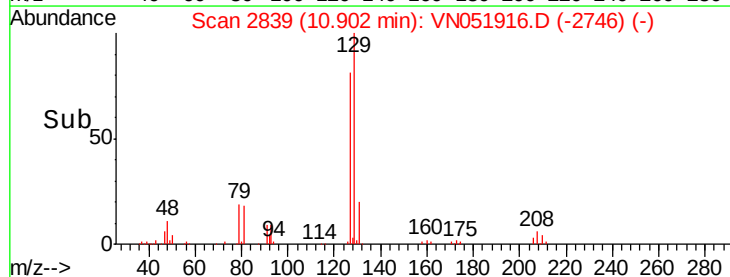
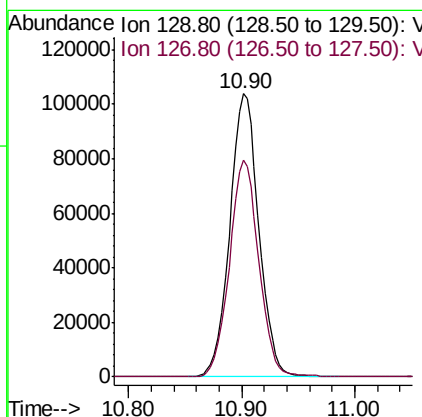
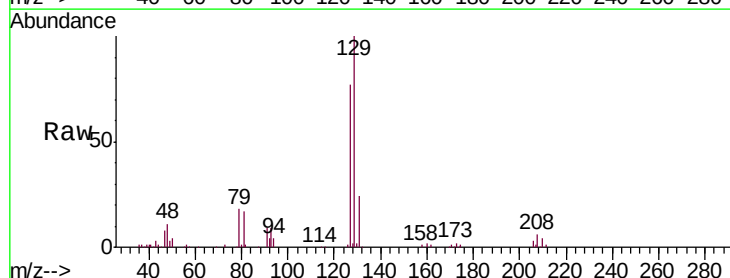
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

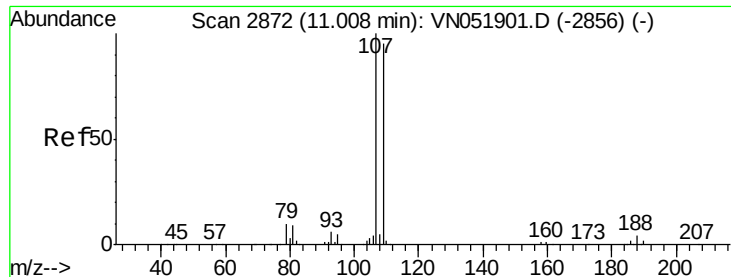
Tgt Ion: 43 Resp: 331759  
Ion Ratio Lower Upper  
43 100  
58 58.8 29.8 89.5



#60  
Dibromochloromethane  
Concen: 18.298 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion: 129 Resp: 185152  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.3 114.8

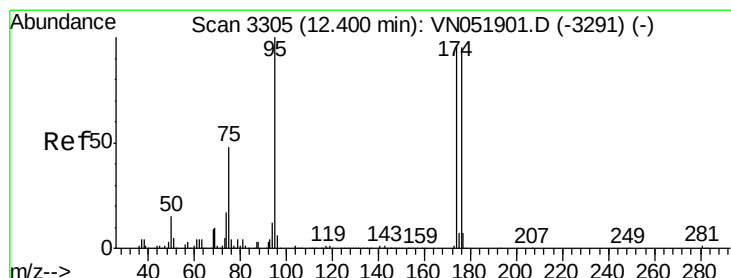
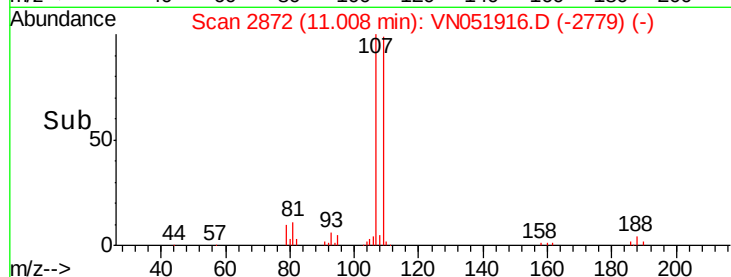
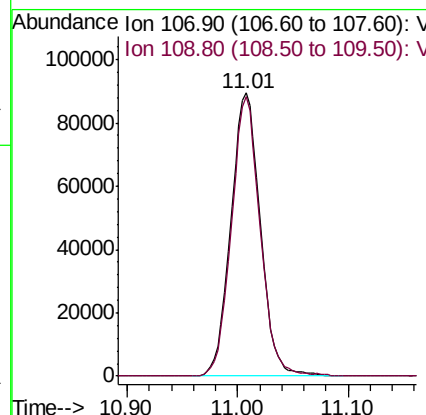
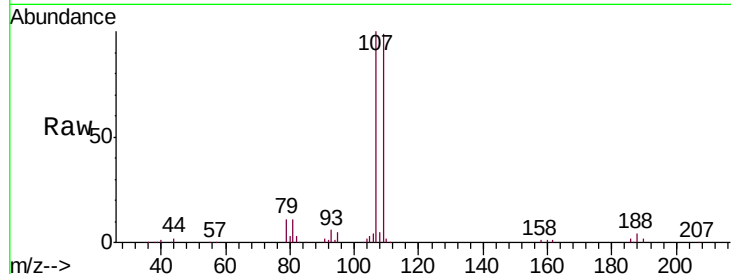




#61  
 1,2-Dibromoethane  
 Concen: 19.395 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

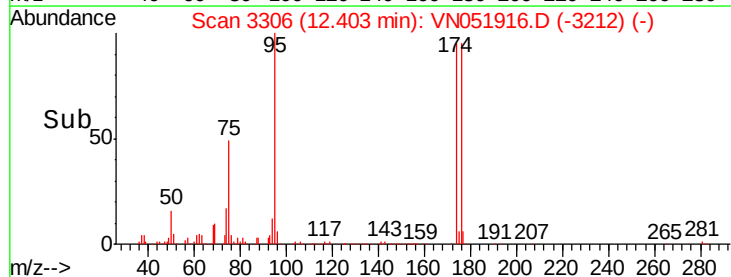
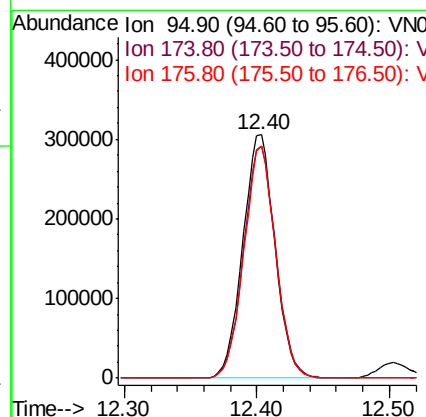
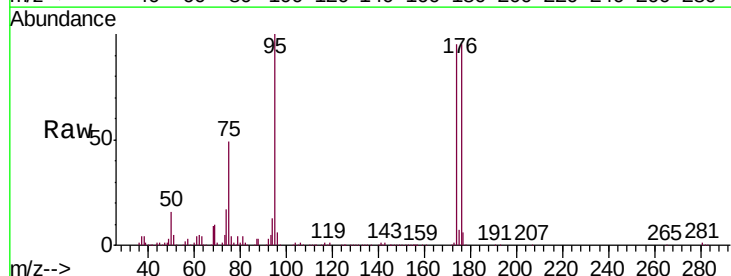
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

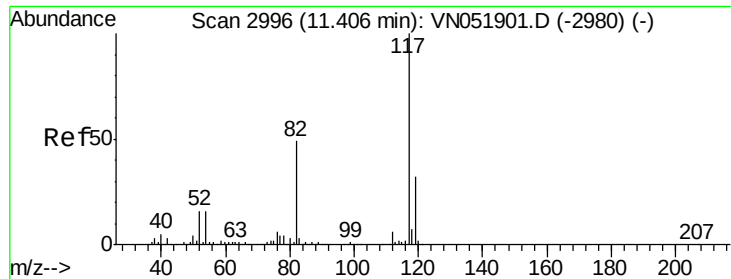
Tgt Ion: 107 Resp: 165869  
 Ion Ratio Lower Upper  
 107 100  
 109 95.8 75.0 112.6



#62  
 4-Bromofluorobenzene  
 Concen: 19.395 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

Tgt Ion: 95 Resp: 513835  
 Ion Ratio Lower Upper  
 95 100  
 174 95.5 0.0 195.0  
 176 93.7 0.0 191.4

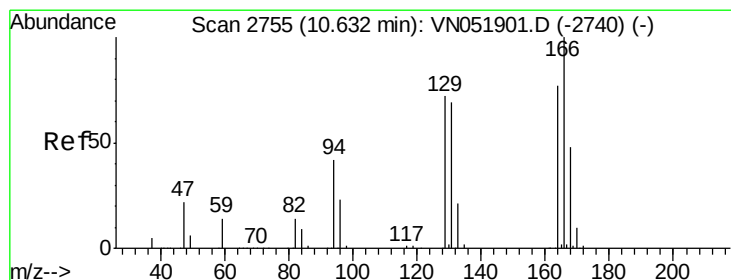
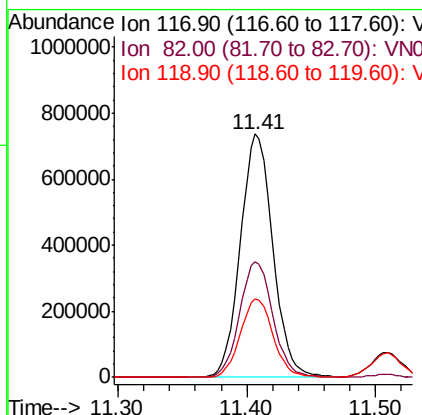
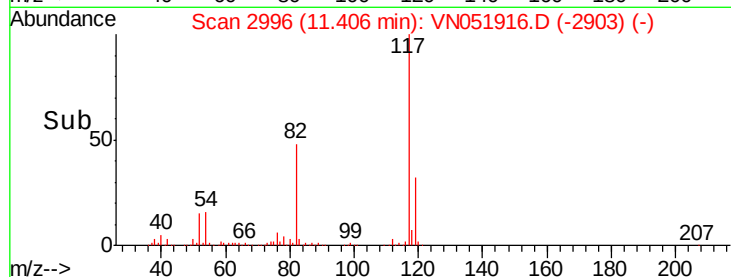
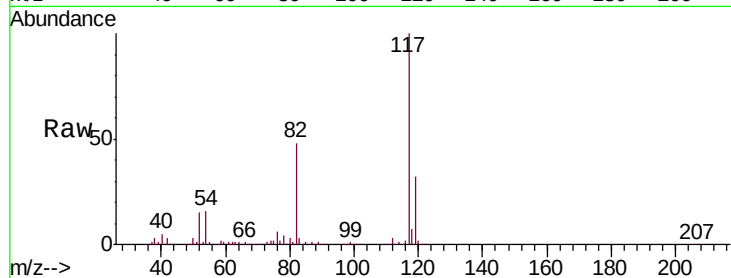




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

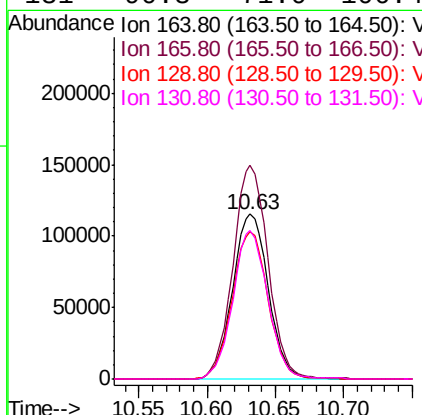
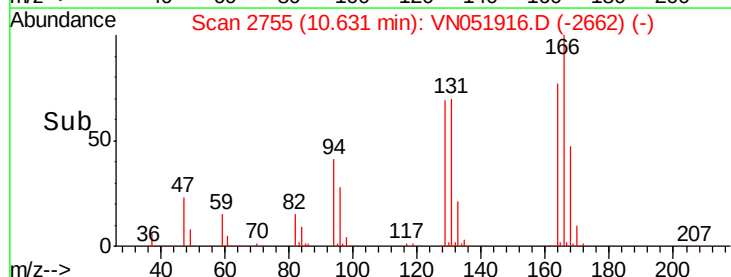
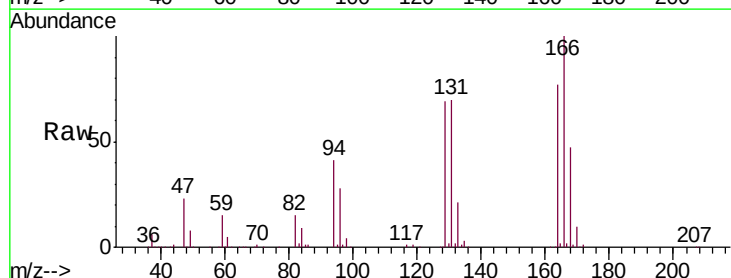
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

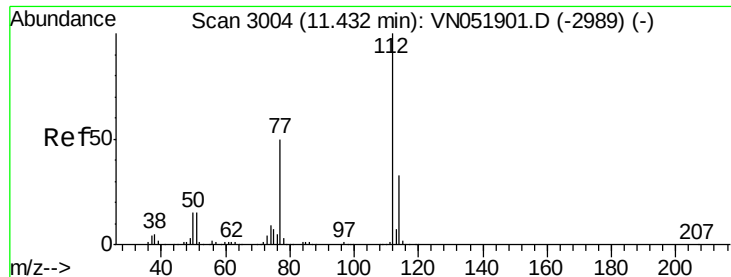
Tgt Ion:117 Resp: 1294569  
Ion Ratio Lower Upper  
117 100  
82 47.7 38.9 58.3  
119 32.4 25.9 38.9



#64  
Tetrachloroethene  
Concen: 20.232 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion:164 Resp: 210237  
Ion Ratio Lower Upper  
164 100  
166 129.5 103.4 155.0  
129 89.4 73.9 110.9  
131 90.3 71.0 106.4

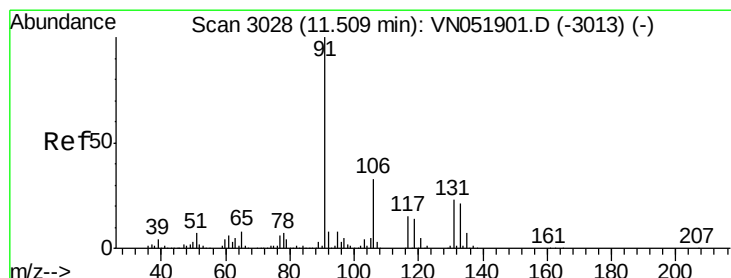
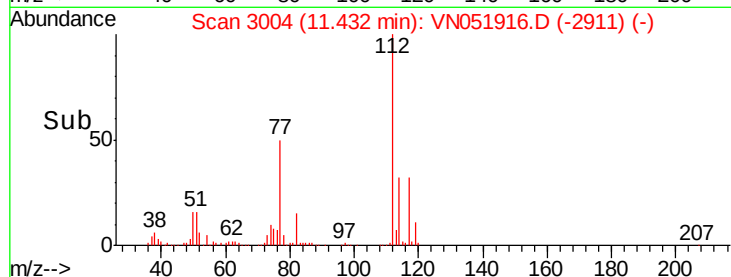
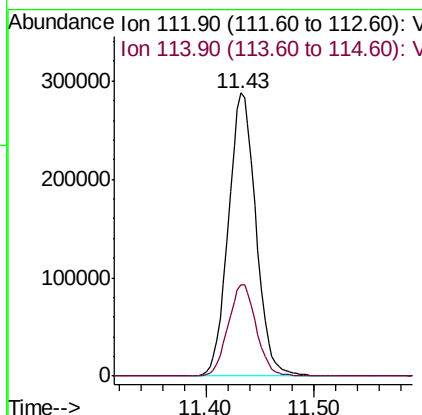
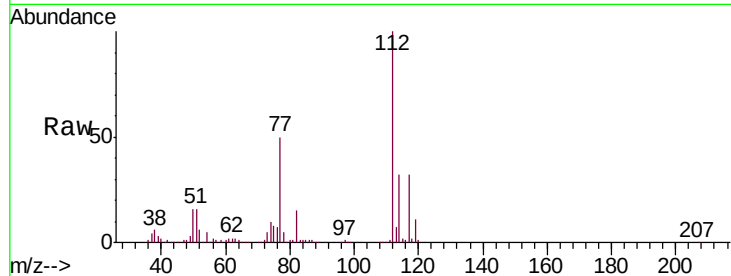




#65  
Chlorobenzene  
Concen: 19.772 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

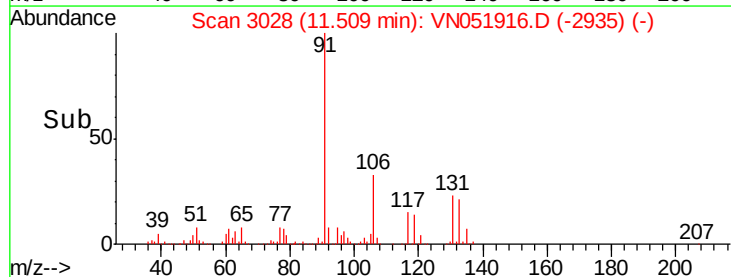
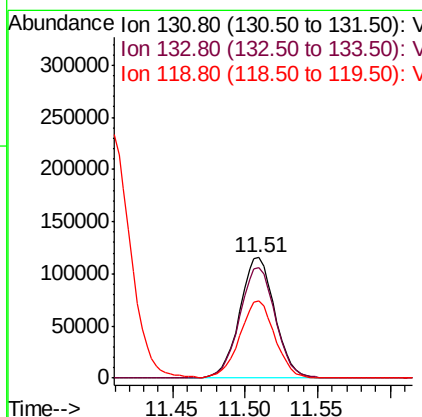
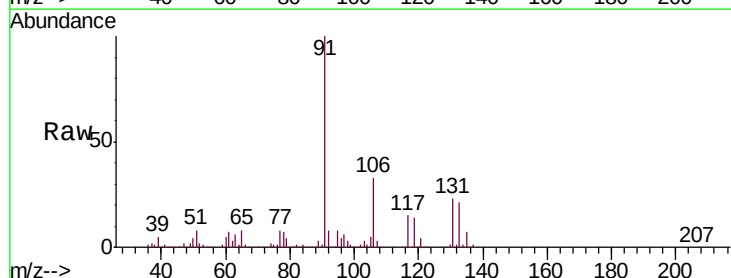
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

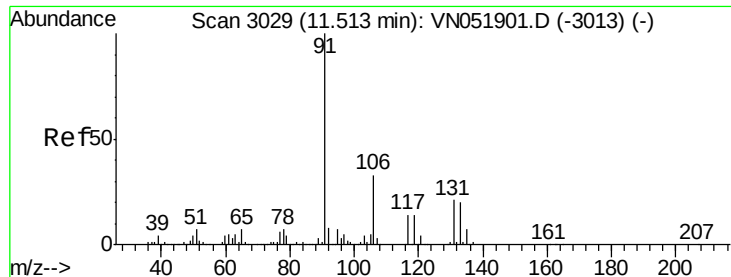
Tgt Ion:112 Resp: 511730  
Ion Ratio Lower Upper  
112 100  
114 32.4 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.246 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion:131 Resp: 195053  
Ion Ratio Lower Upper  
131 100  
133 93.5 47.5 142.6  
119 63.8 32.1 96.5

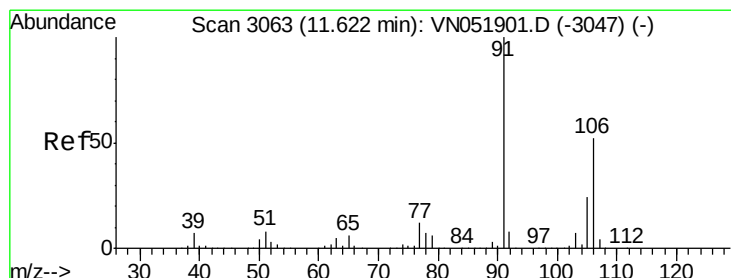
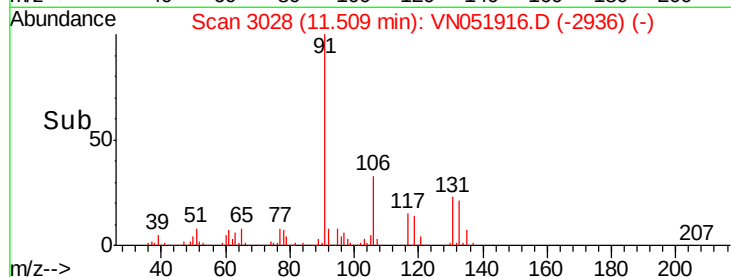
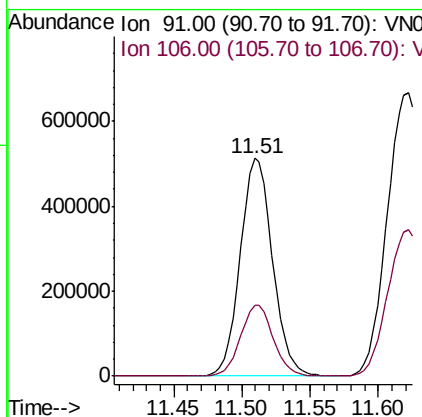
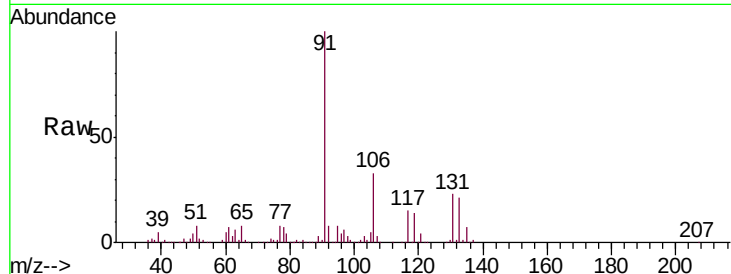




#67  
Ethyl Benzene  
Concen: 19.912 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

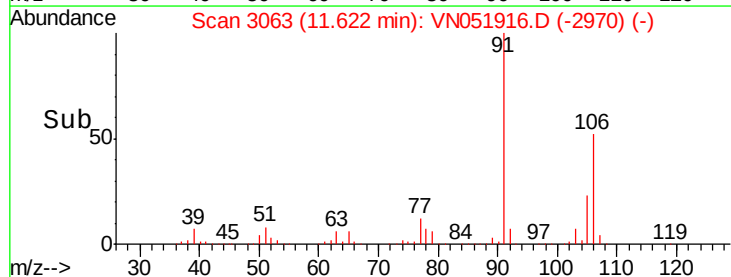
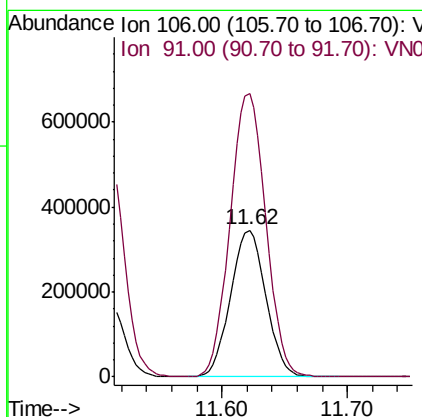
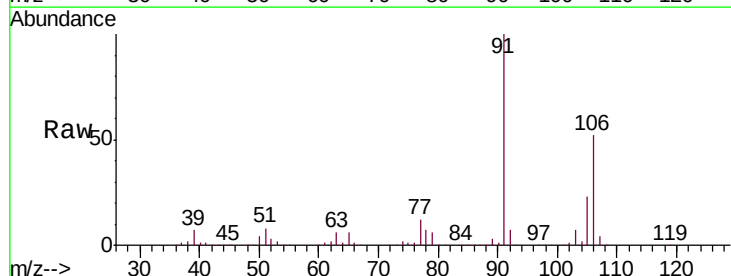
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

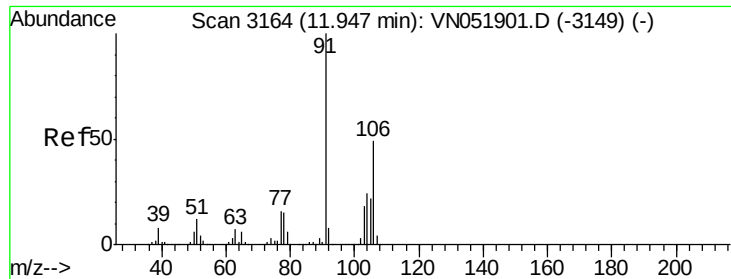
Tgt Ion: 91 Resp: 844299  
Ion Ratio Lower Upper  
91 100  
106 32.5 26.6 39.8



#68  
m/p-Xylenes  
Concen: 39.662 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion: 106 Resp: 675241  
Ion Ratio Lower Upper  
106 100  
91 194.9 153.6 230.4

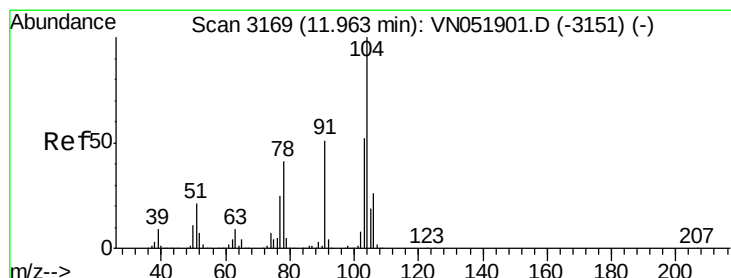
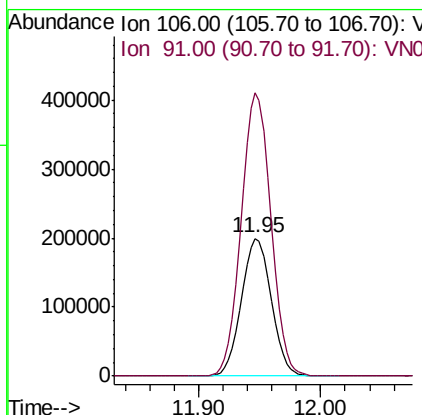
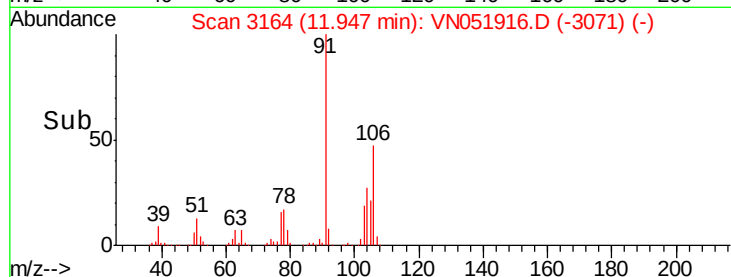
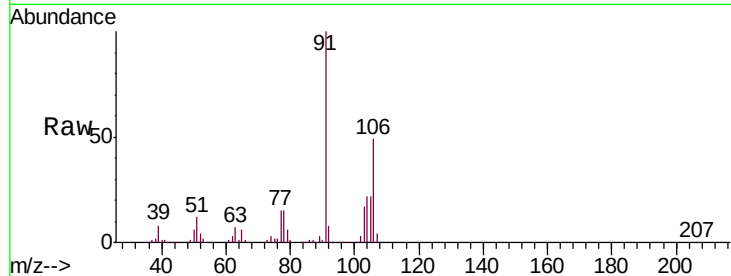




#69  
o-Xylene  
Concen: 20.206 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

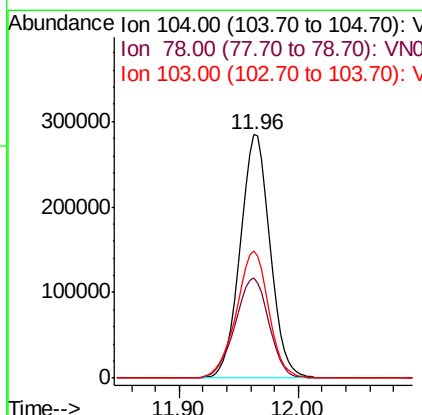
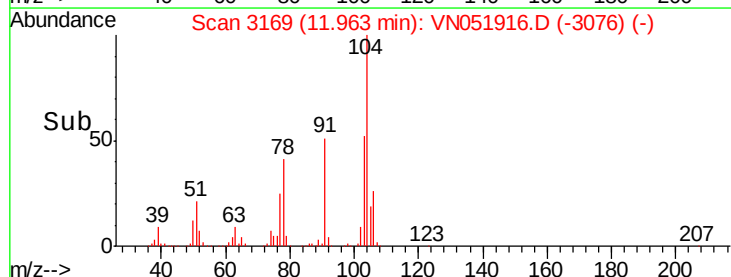
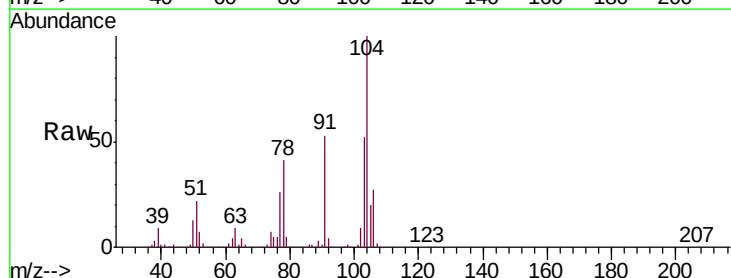
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

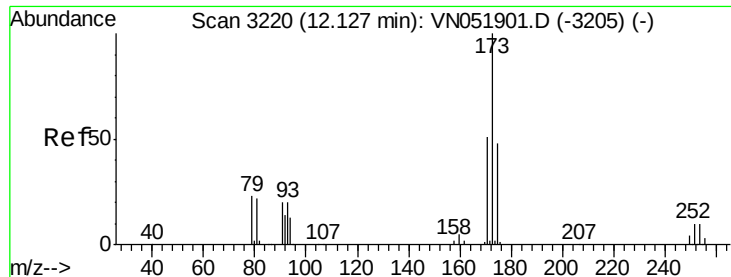
Tgt Ion:106 Resp: 335247  
Ion Ratio Lower Upper  
106 100  
91 204.6 100.7 302.1



#70  
Styrene  
Concen: 19.448 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Tgt Ion:104 Resp: 496345  
Ion Ratio Lower Upper  
104 100  
78 46.5 36.6 55.0  
103 56.5 44.6 67.0





#71

Bromoform

Concen: 18.250 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

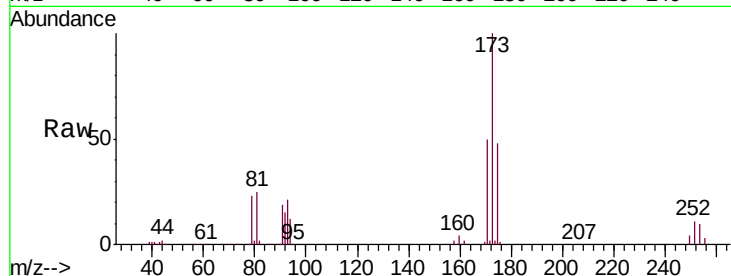
Tgt Ion:173 Resp: 116361

Ion Ratio Lower Upper

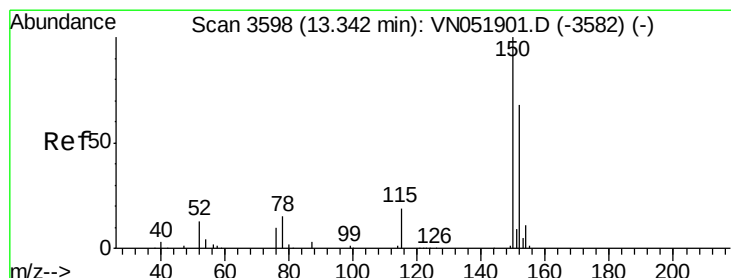
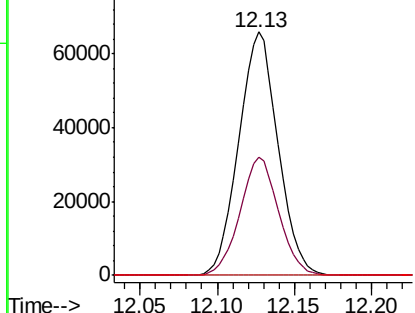
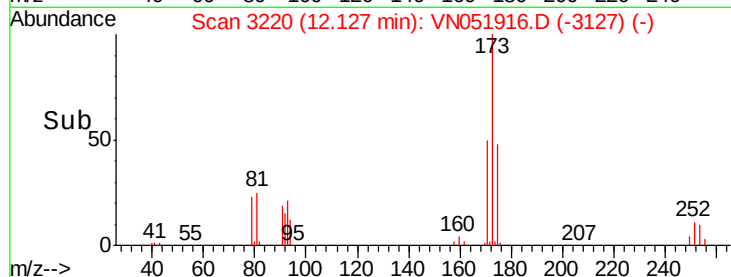
173 100

175 47.6 24.0 72.0

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

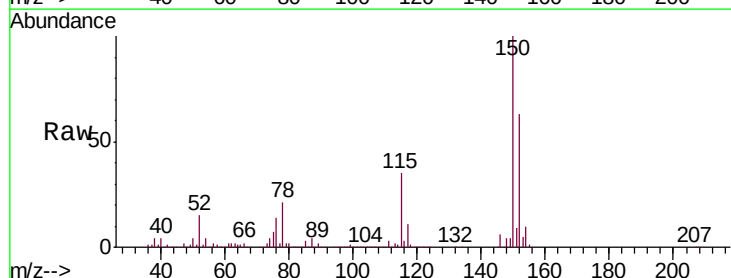
Tgt Ion:152 Resp: 560294

Ion Ratio Lower Upper

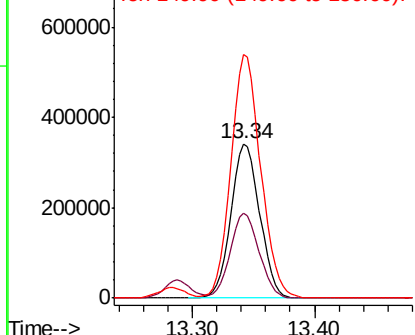
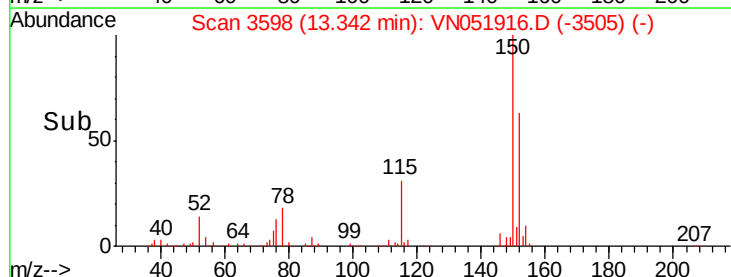
152 100

115 55.4 26.7 80.1

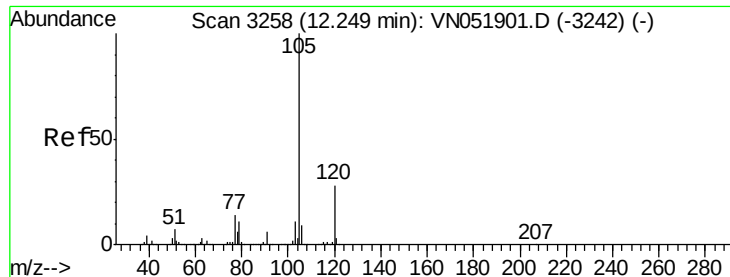
150 163.6 0.0 346.4



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







#73

Isopropylbenzene

Concen: 20.497 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

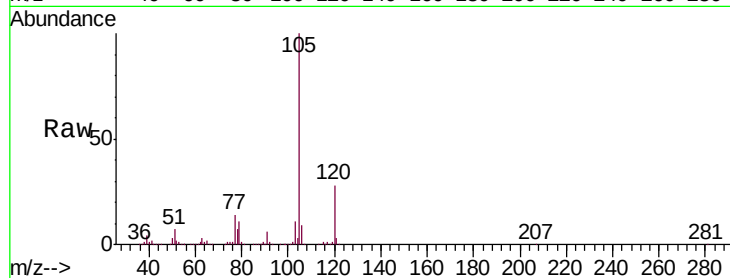
VN1018WBS02

Tgt Ion: 105 Resp: 889060

Ion Ratio Lower Upper

105 100

120 27.6 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

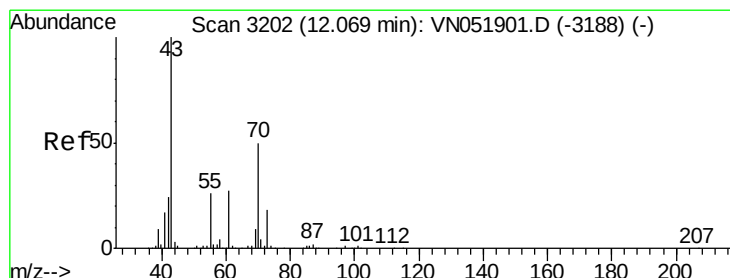
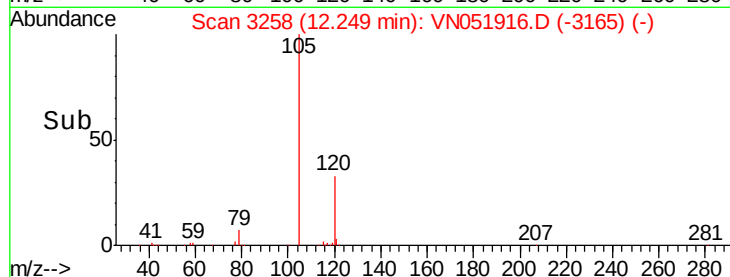
200000

100000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.093 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Tgt Ion: 43 Resp: 142392

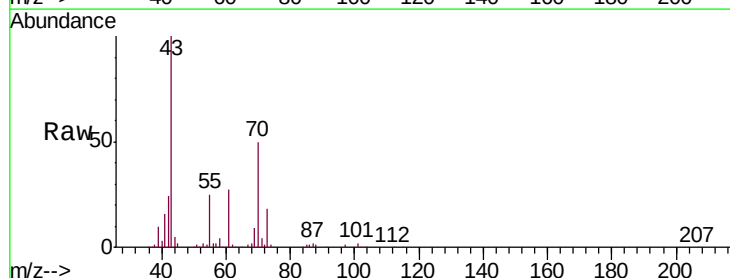
Ion Ratio Lower Upper

43 100

70 51.4 40.1 60.1

55 26.7 21.0 31.4

61 26.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

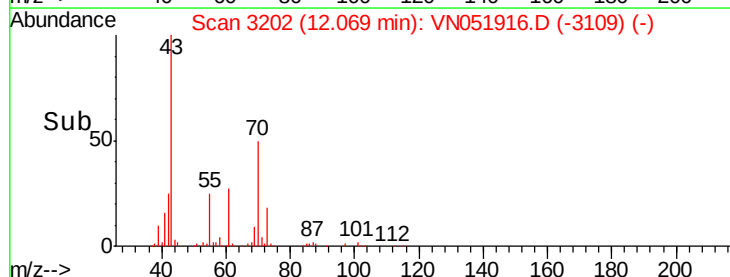
100000

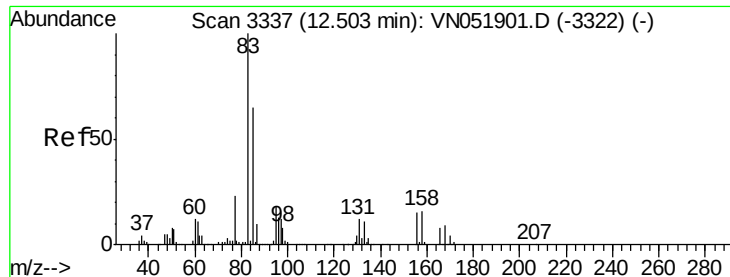
50000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.845 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

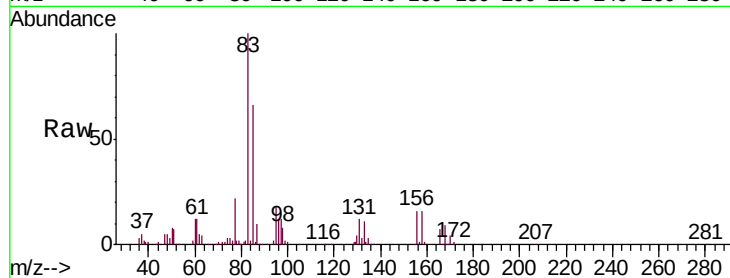
Tgt Ion: 83 Resp: 182717

Ion Ratio Lower Upper

83 100

131 12.2 6.2 18.6

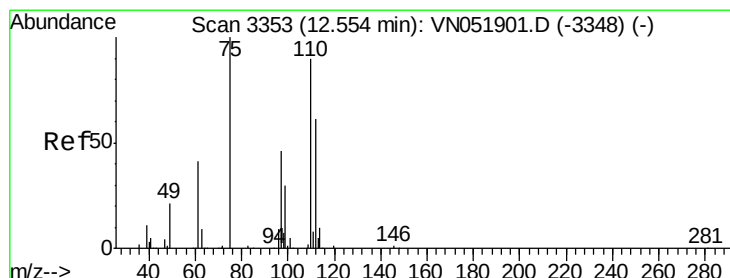
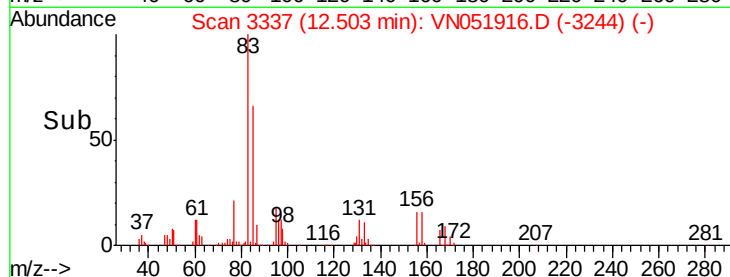
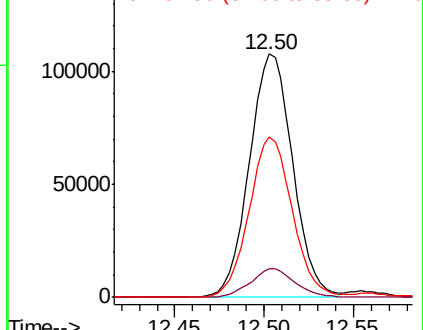
85 65.6 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.161 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051916.D

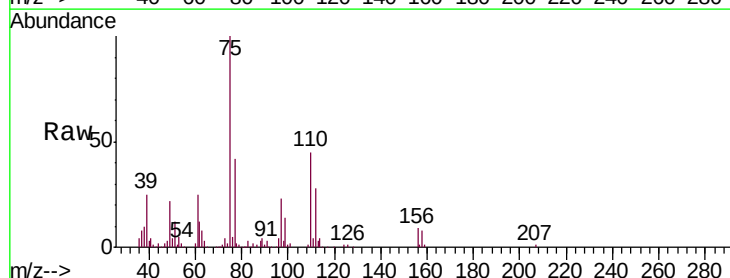
Acq: 18 Oct 2018 15:08

Tgt Ion: 75 Resp: 205399

Ion Ratio Lower Upper

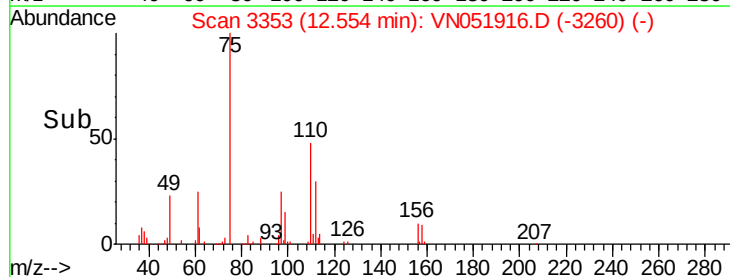
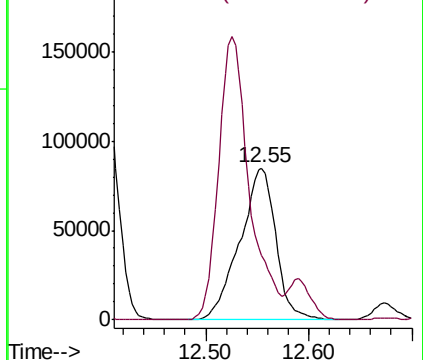
75 100

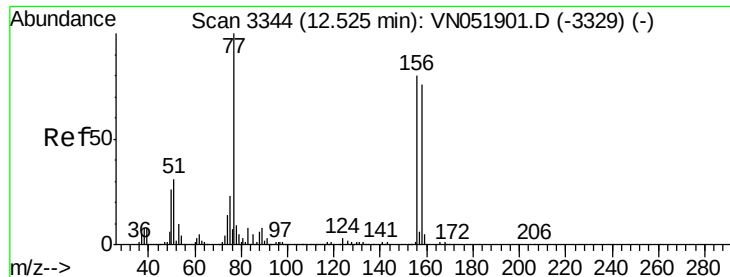
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.233 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

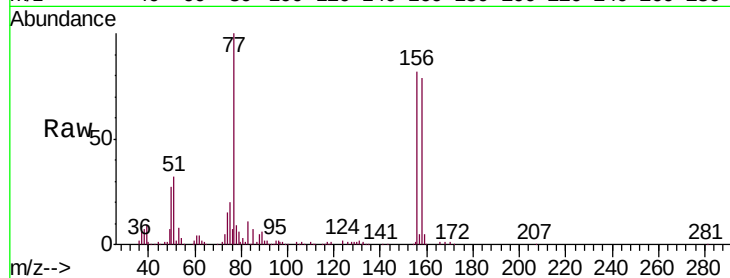
Tgt Ion:156 Resp: 223314

Ion Ratio Lower Upper

156 100

77 146.6 73.0 219.0

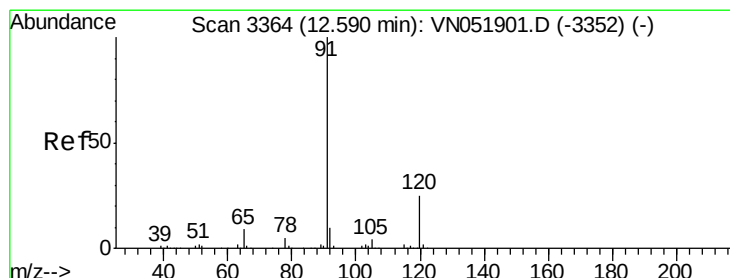
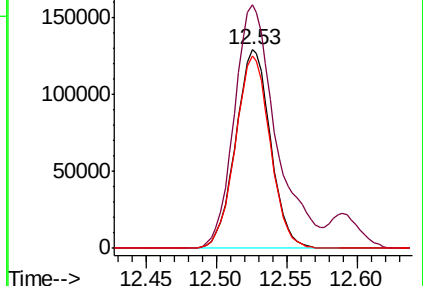
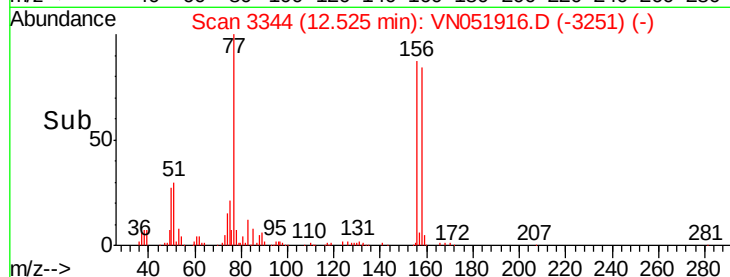
158 96.6 48.4 145.0



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: 20.461 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051916.D

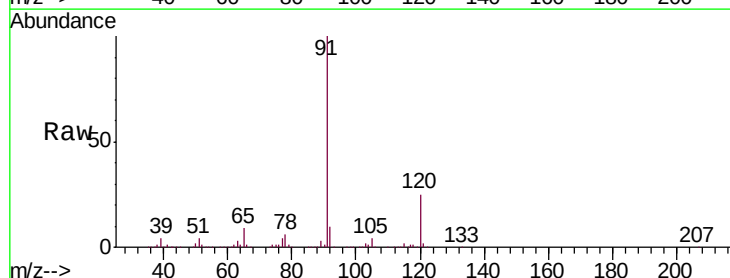
Acq: 18 Oct 2018 15:08

Tgt Ion: 91 Resp: 923861

Ion Ratio Lower Upper

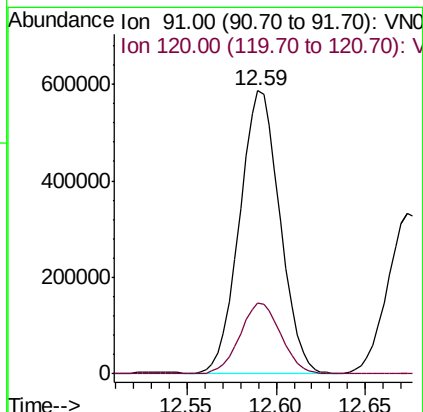
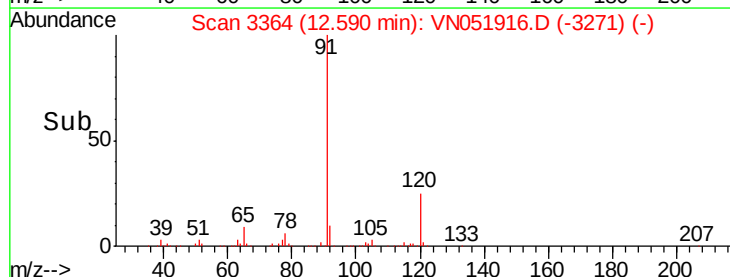
91 100

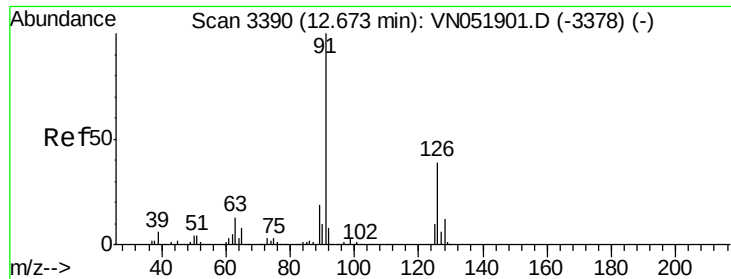
120 25.3 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.423 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

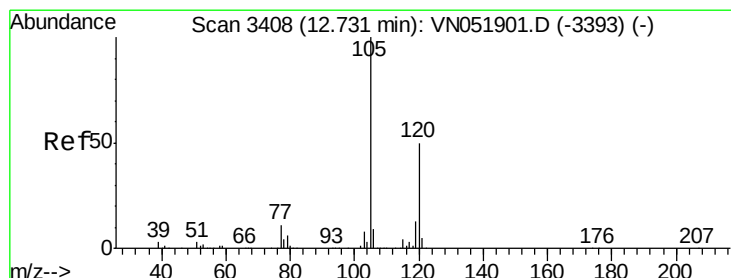
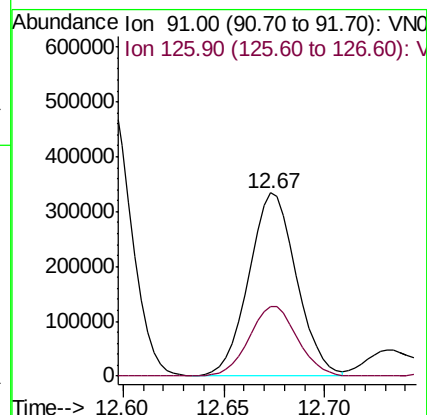
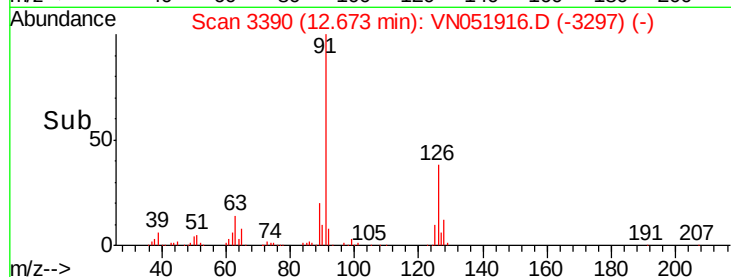
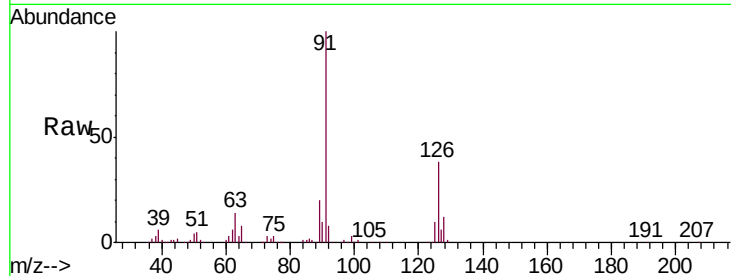
VN1018WBS02

Tgt Ion: 91 Resp: 549265

Ion Ratio Lower Upper

91 100

126 38.7 19.6 58.7



#80

1,3,5-Trimethylbenzene

Concen: 20.610 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051916.D

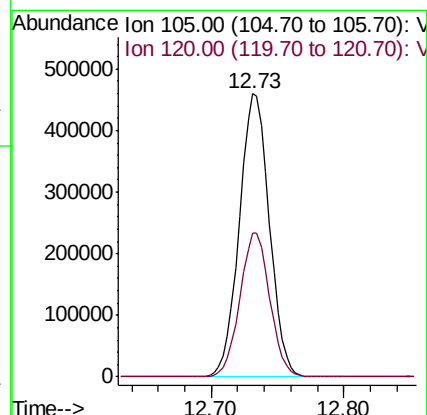
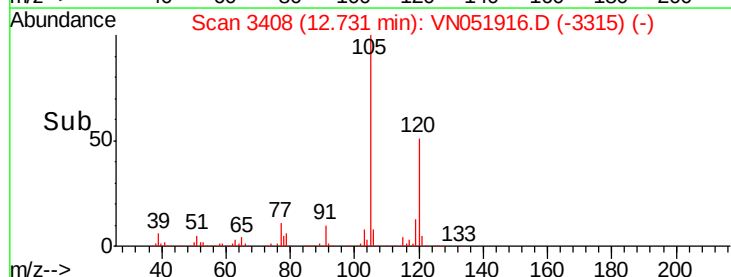
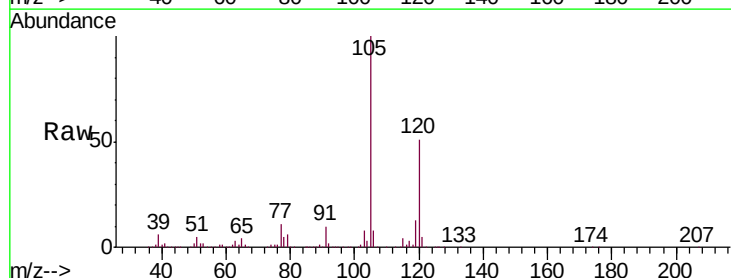
Acq: 18 Oct 2018 15:08

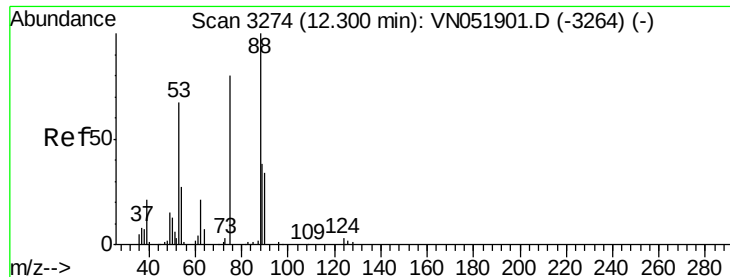
Tgt Ion: 105 Resp: 722550

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 17.902 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

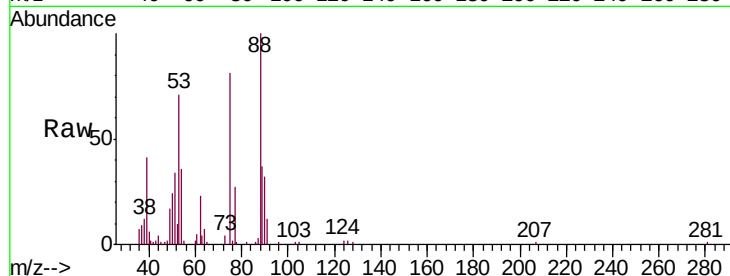
Tgt Ion: 75 Resp: 36775

Ion Ratio Lower Upper

75 100

53 89.4 68.5 102.7

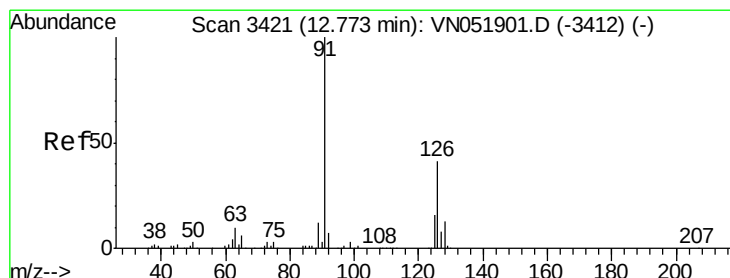
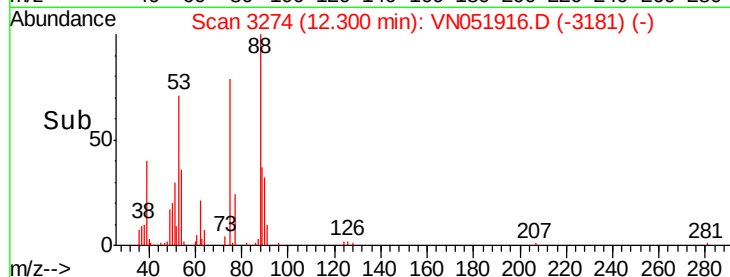
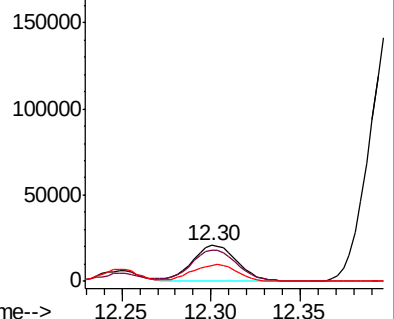
89 47.4 39.0 58.6



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: 20.389 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051916.D

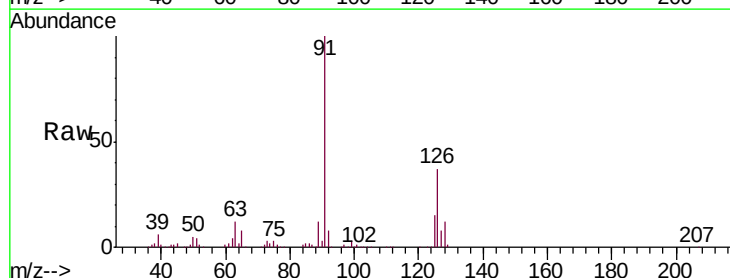
Acq: 18 Oct 2018 15:08

Tgt Ion: 91 Resp: 537966

Ion Ratio Lower Upper

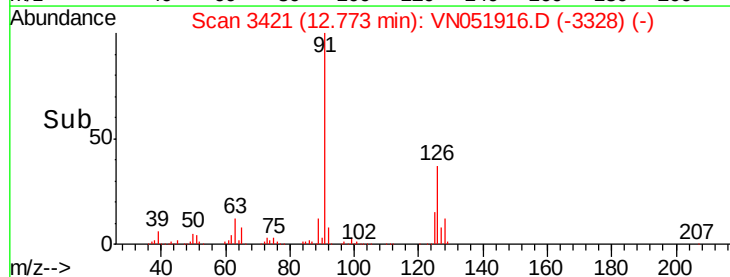
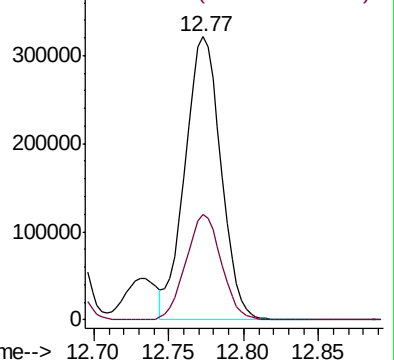
91 100

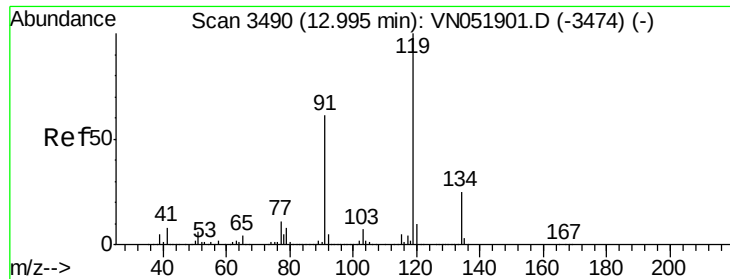
126 36.5 18.9 56.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

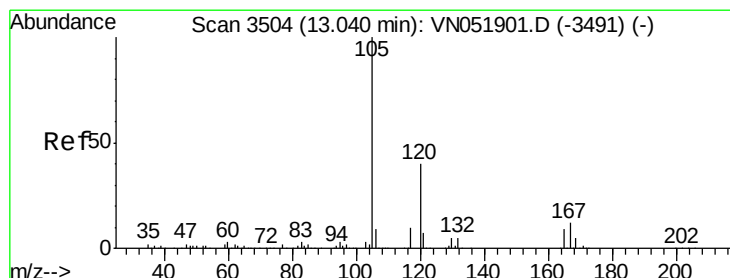
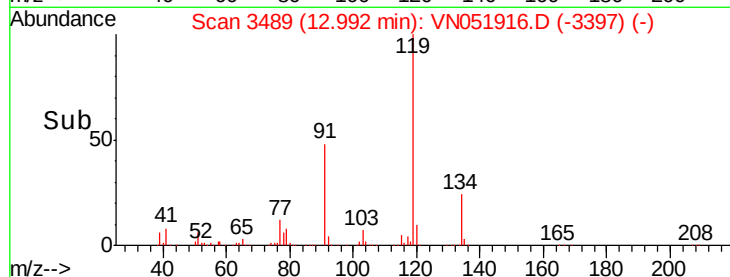
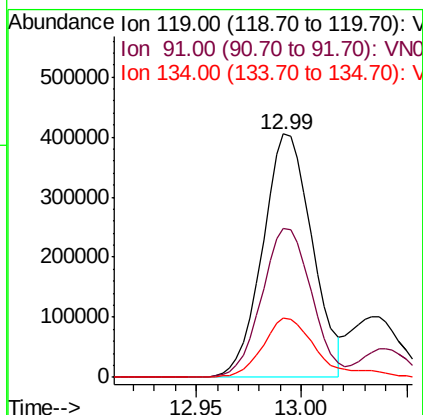
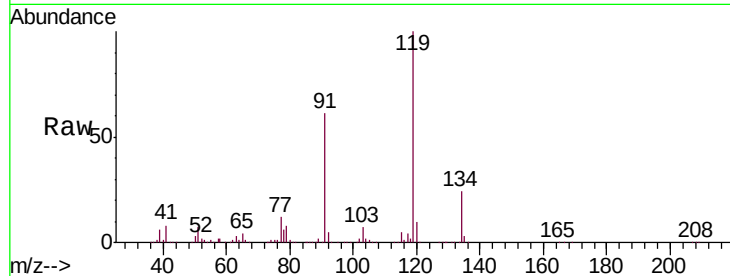




#83  
 tert-Butylbenzene  
 Concen: 20.094 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

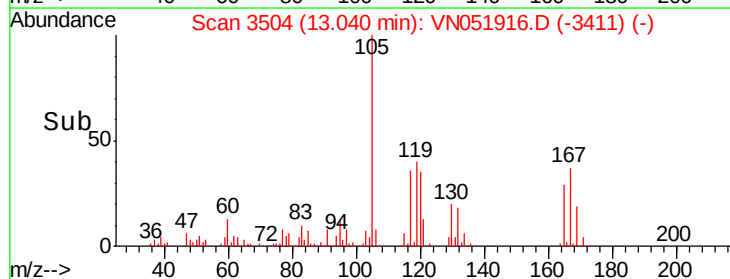
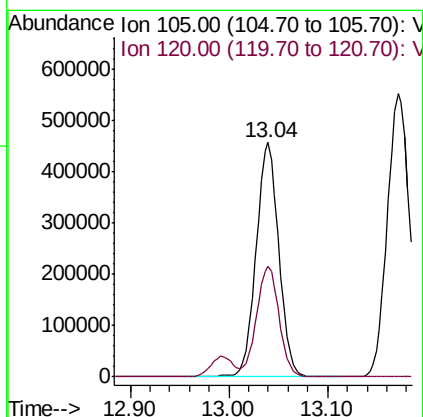
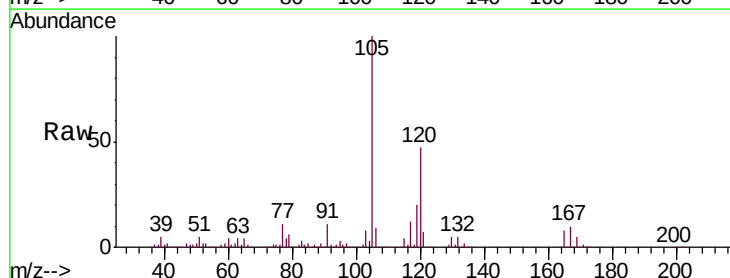
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

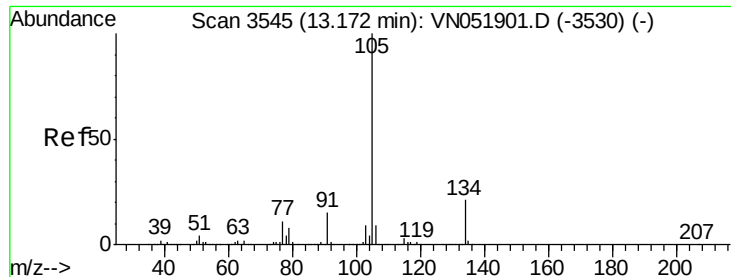
Tgt Ion:119 Resp: 662011  
 Ion Ratio Lower Upper  
 119 100  
 91 61.7 30.3 90.9  
 134 26.9 13.4 40.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.863 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

Tgt Ion:105 Resp: 719172  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 23.8 71.4





#85

sec-Butylbenzene

Concen: 20.556 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

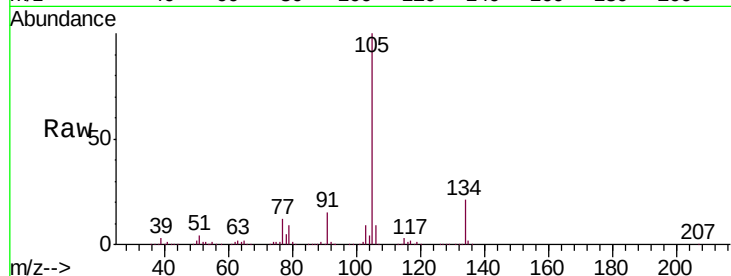
VN1018WBS02

Tgt Ion:105 Resp: 860938

Ion Ratio Lower Upper

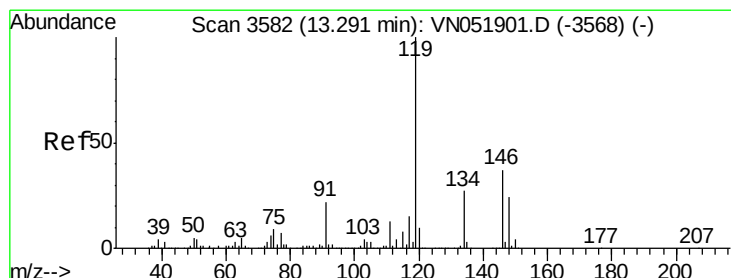
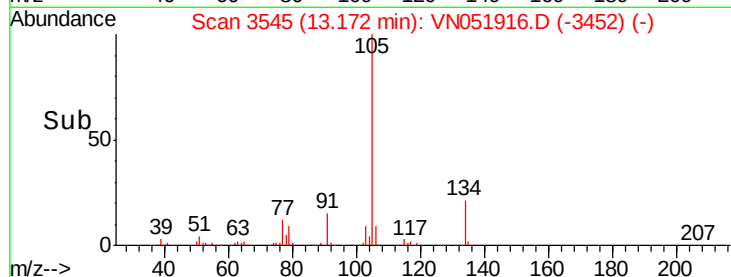
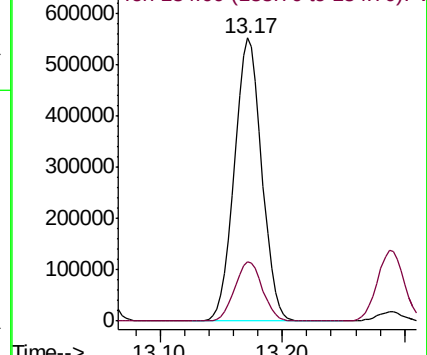
105 100

134 21.2 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.872 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

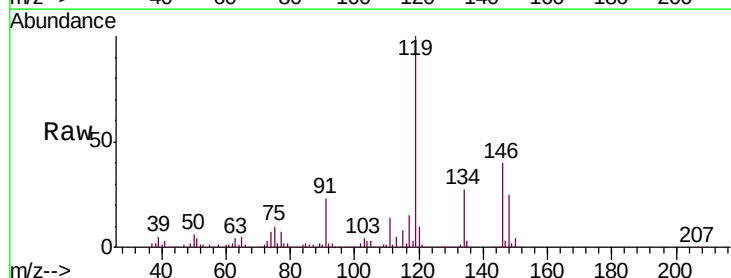
Tgt Ion:119 Resp: 757663

Ion Ratio Lower Upper

119 100

134 27.5 13.8 41.3

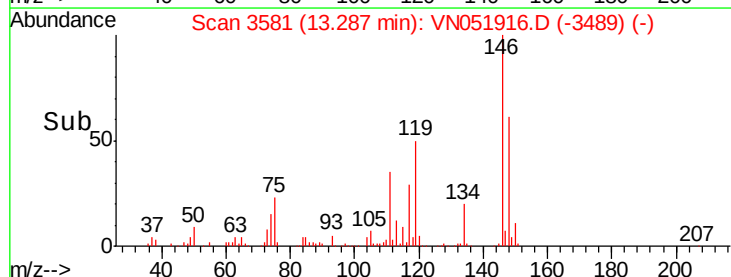
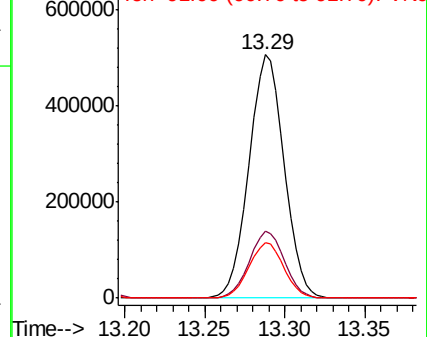
91 22.5 10.9 32.9

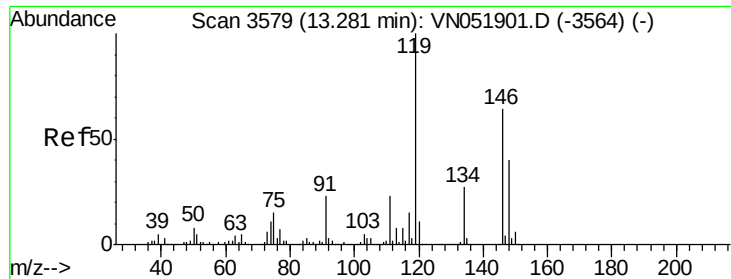


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

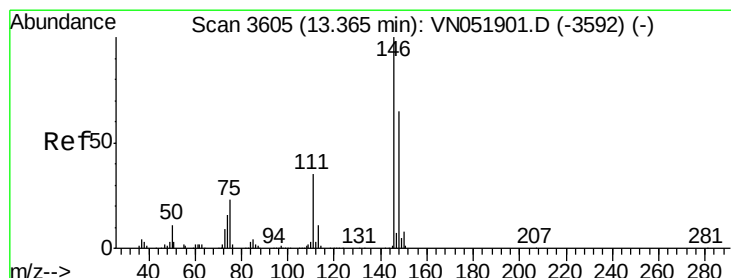
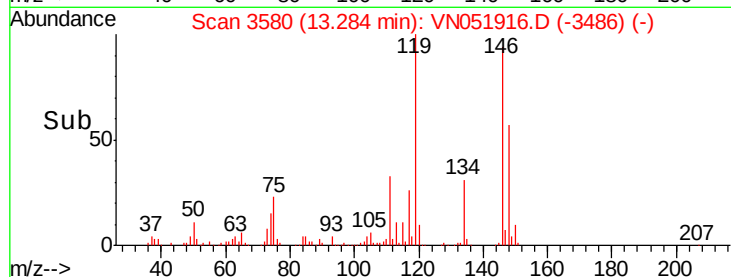
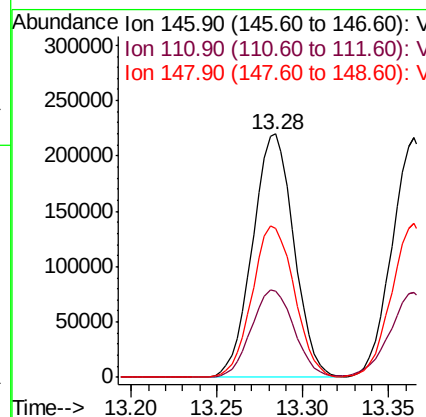
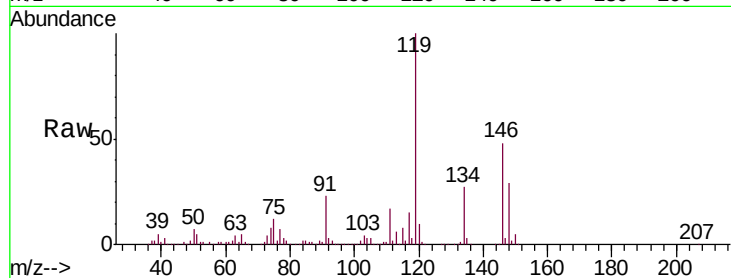




#87  
 1,3-Dichlorobenzene  
 Concen: 19.756 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

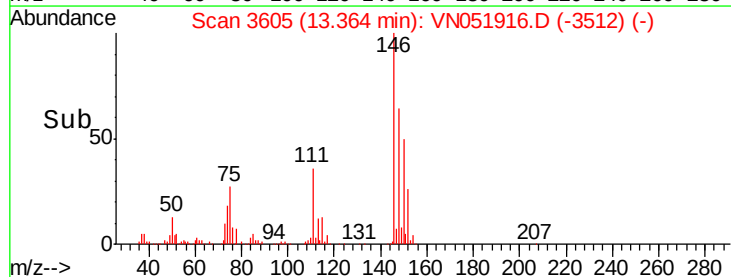
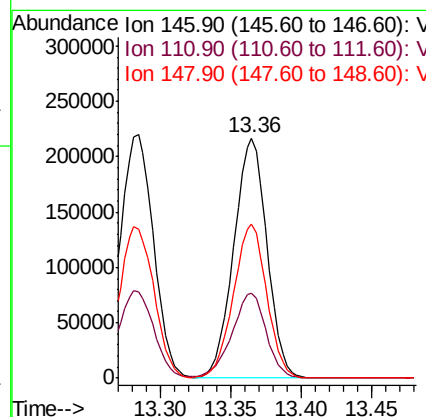
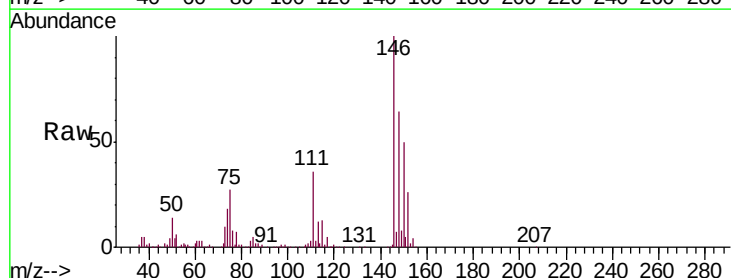
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

Tgt Ion:146 Resp: 367506  
 Ion Ratio Lower Upper  
 146 100  
 111 37.2 18.3 54.8  
 148 63.6 31.9 95.7

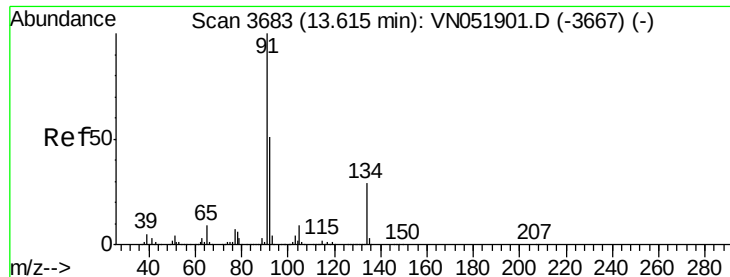


#88  
 1,4-Dichlorobenzene  
 Concen: 19.527 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

Tgt Ion:146 Resp: 357007  
 Ion Ratio Lower Upper  
 146 100  
 111 36.7 17.9 53.7  
 148 64.4 32.8 98.3







#89

n-Butylbenzene

Concen: 20.439 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051916.D

Acq: 18 Oct 2018 15:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1018WBS02

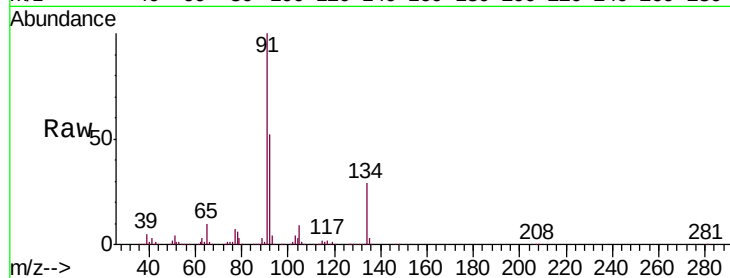
Tgt Ion: 91 Resp: 538213

Ion Ratio Lower Upper

91 100

92 51.7 25.9 77.7

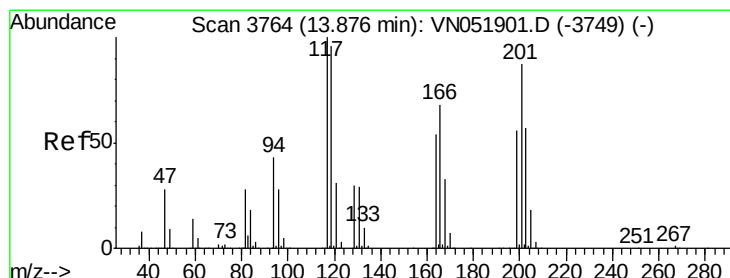
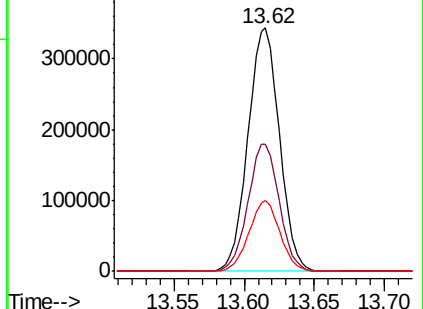
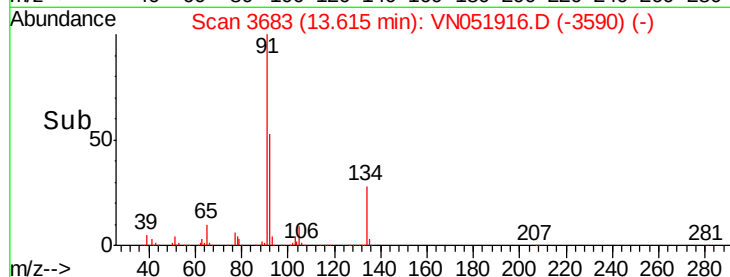
134 28.4 14.6 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN051916.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051916.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051916.D (-3667) (-)



#90

Hexachloroethane

Concen: 20.051 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051916.D

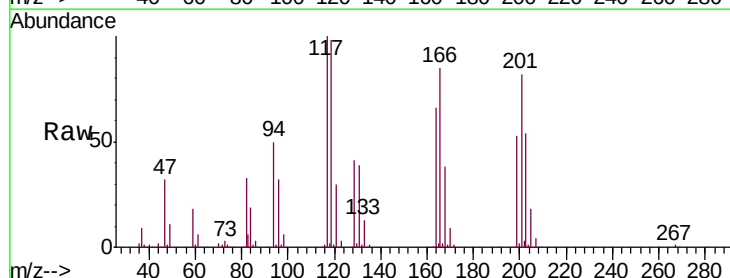
Acq: 18 Oct 2018 15:08

Tgt Ion: 117 Resp: 121742

Ion Ratio Lower Upper

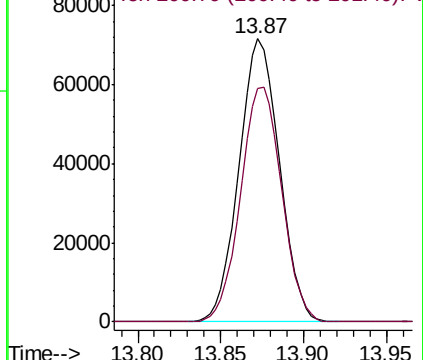
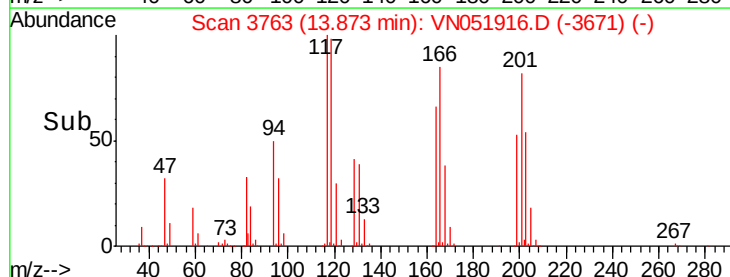
117 100

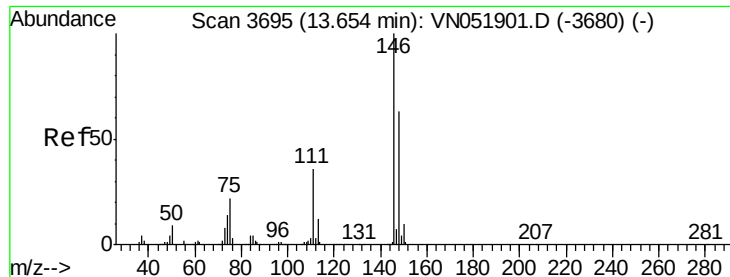
201 84.2 43.8 131.3



Abundance Ion 116.80 (116.50 to 117.50): VN051916.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051916.D (-3749) (-)

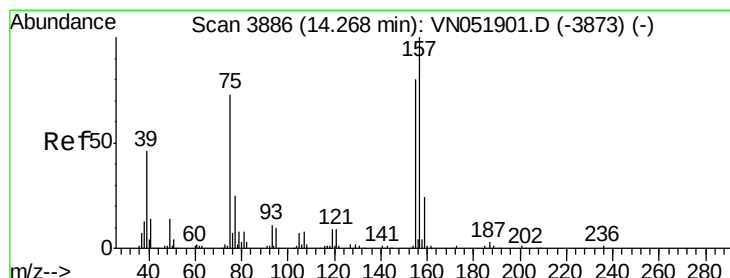
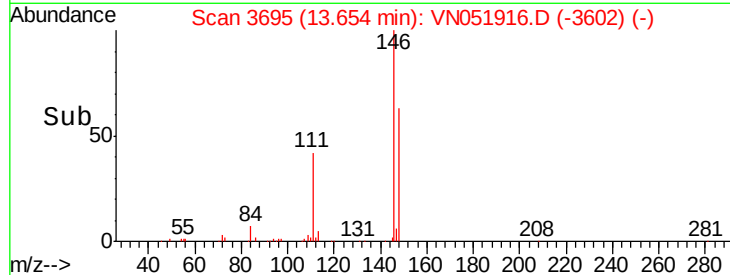
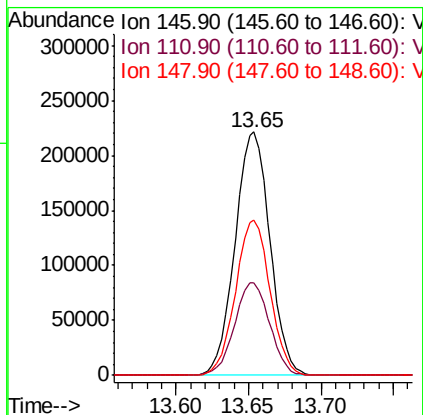
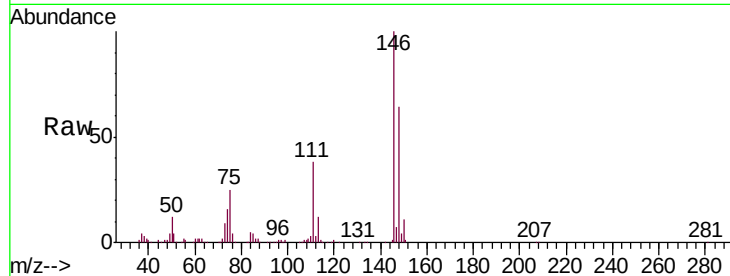




#91  
 1,2-Dichlorobenzene  
 Concen: 20.542 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

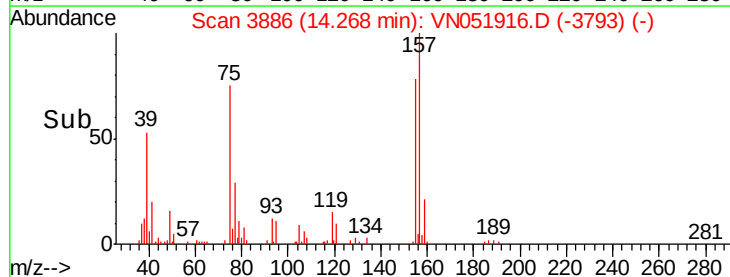
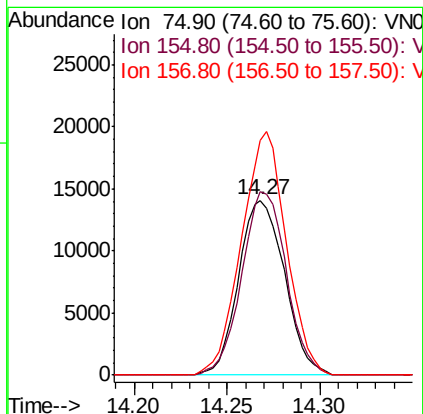
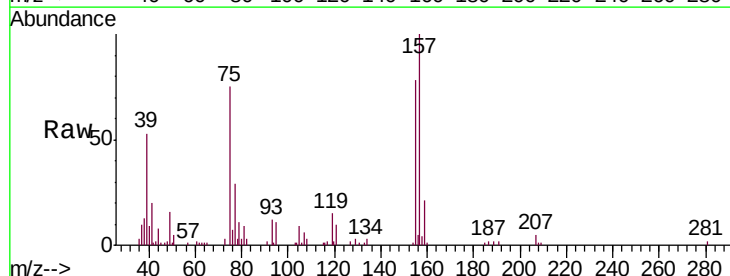
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

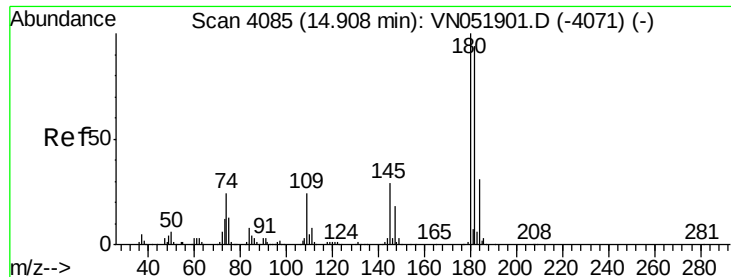
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 18.6  | 55.6  |
| 148     | 63.0  | 32.0  | 96.2  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.728 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 102.0 | 53.4  | 160.2 |
| 157     | 135.9 | 69.3  | 207.9 |

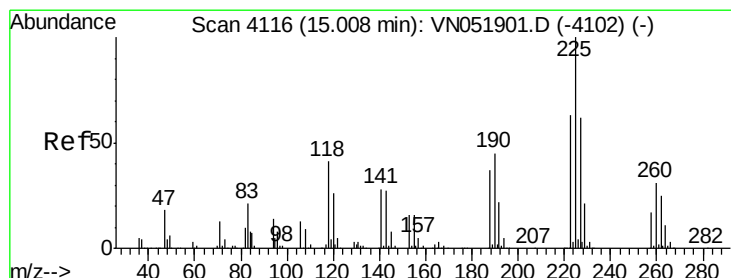
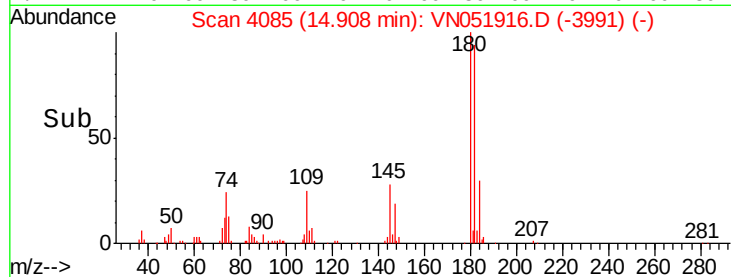
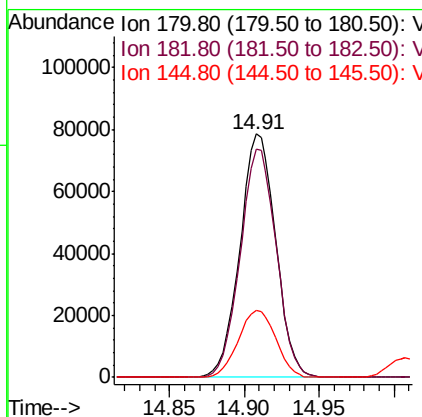
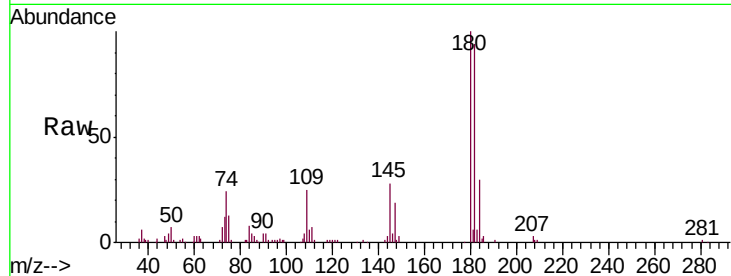




#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.291 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

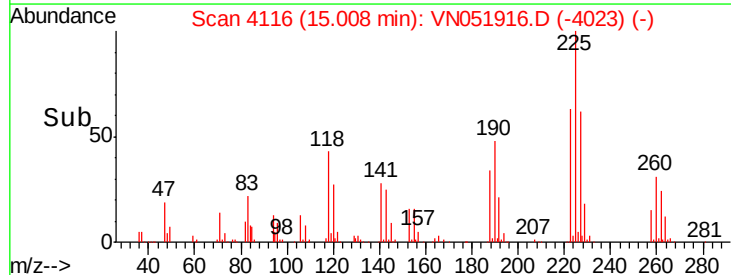
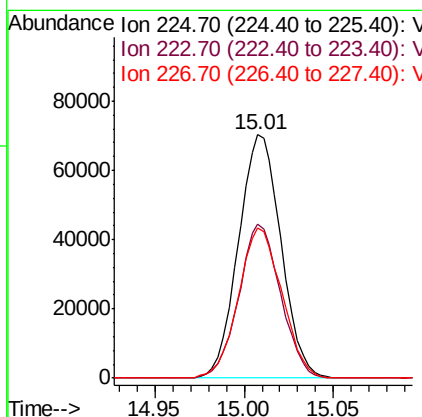
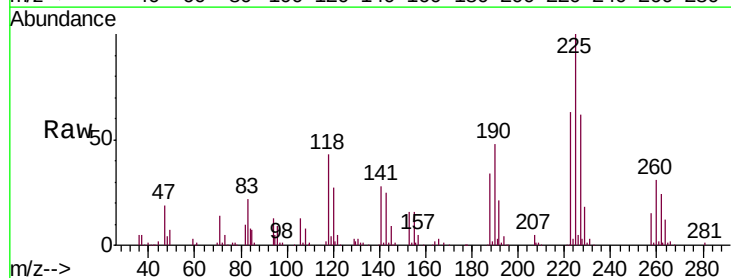
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1018WBS02

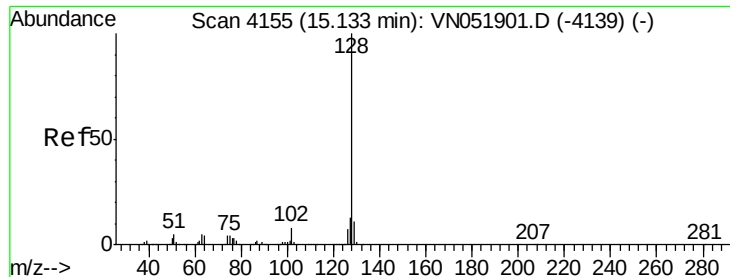
Tgt Ion:180 Resp: 130776  
 Ion Ratio Lower Upper  
 180 100  
 182 94.1 47.3 141.9  
 145 28.8 14.5 43.5



#94  
 Hexachlorobutadiene  
 Concen: 20.501 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN051916.D  
 Acq: 18 Oct 2018 15:08

Tgt Ion:225 Resp: 116949  
 Ion Ratio Lower Upper  
 225 100  
 223 62.2 32.0 96.2  
 227 63.0 31.9 95.9

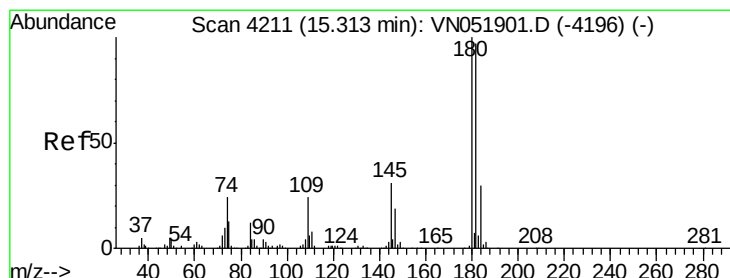
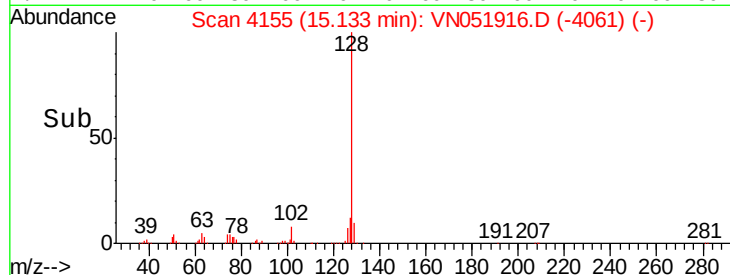
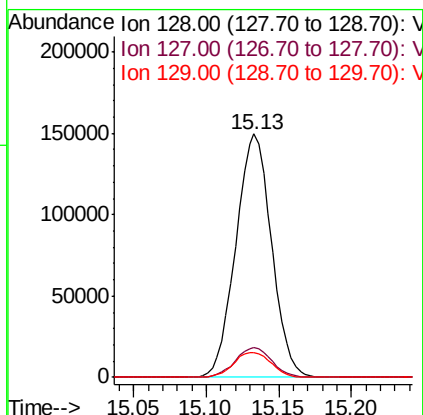
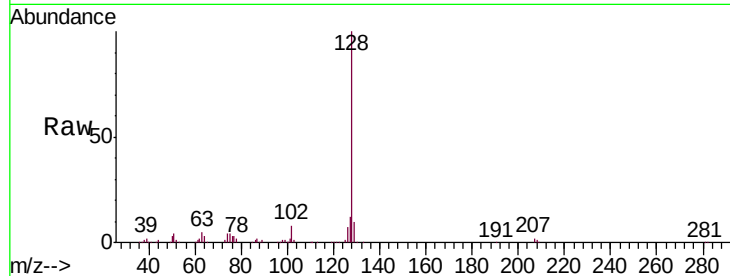




#95  
Naphthalene  
Concen: 16.877 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1018WBS02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.2  | 15.2  |
| 129     | 10.7  | 8.5   | 12.7  |



#96  
1,2,3-Trichlorobenzene  
Concen: 18.141 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. -0.00 min  
Lab File: VN051916.D  
Acq: 18 Oct 2018 15:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 47.9  | 143.8 |
| 145     | 30.5  | 15.2  | 45.6  |

