

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\  
 Data File : VN053072.D  
 Acq On : 20 Dec 2018 23:02  
 Operator : MD\SY  
 Sample : VN1220WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 21 02:37:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1001180  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1557189  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1320387  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 576609   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 547782   | 53.92 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.84% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 420655   | 59.14 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 118.28% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1909063  | 49.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.98%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 622025   | 46.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.80%  |      |

## Target Compounds

|                               |      |     |         |         | Qvalue |     |
|-------------------------------|------|-----|---------|---------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 191659  | 18.915  | ug/l   | 99  |
| 3) Chloromethane              | 2.06 | 50  | 227985  | 18.567  | ug/l   | 100 |
| 4) Vinyl Chloride             | 2.19 | 62  | 244667  | 19.675  | ug/l   | 99  |
| 5) Bromomethane               | 2.58 | 94  | 166027  | 19.270  | ug/l   | 96  |
| 6) Chloroethane               | 2.72 | 64  | 149006  | 20.232  | ug/l   | 97  |
| 7) Trichlorofluoromethane     | 3.03 | 101 | 324801  | 20.966  | ug/l   | 99  |
| 8) Diethyl Ether              | 3.42 | 74  | 125743  | 21.516  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 199774  | 20.226  | ug/l   | 98  |
| 10) Methyl Iodide             | 3.96 | 142 | 275927  | 19.893  | ug/l   | 100 |
| 11) Tert butyl alcohol        | 4.78 | 59  | 61775   | 99.649  | ug/l   | 100 |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 198686  | 20.821  | ug/l   | 97  |
| 13) Acrolein                  | 3.61 | 56  | 64671   | 115.050 | ug/l   | 96  |
| 14) Allyl chloride            | 4.33 | 41  | 304808  | 20.621  | ug/l   | 99  |
| 15) Acrylonitrile             | 4.99 | 53  | 352587  | 102.377 | ug/l   | 99  |
| 16) Acetone                   | 3.82 | 43  | 218051  | 109.459 | ug/l   | 94  |
| 17) Carbon Disulfide          | 4.06 | 76  | 554829  | 17.828  | ug/l   | 99  |
| 18) Methyl Acetate            | 4.33 | 43  | 181153  | 20.630  | ug/l   | 97  |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 547515  | 21.440  | ug/l   | 98  |
| 20) Methylene Chloride        | 4.56 | 84  | 221477  | 20.382  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 209758  | 20.459  | ug/l   | 100 |
| 22) Diisopropyl ether         | 5.96 | 45  | 687051  | 21.776  | ug/l   | 97  |
| 23) Vinyl Acetate             | 5.90 | 43  | 1974721 | 108.845 | ug/l   | 98  |
| 24) 1,1-Dichloroethane        | 5.86 | 63  | 400117  | 21.342  | ug/l   | 98  |
| 25) 2-Butanone                | 6.84 | 43  | 357971  | 107.075 | ug/l   | 95  |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 271231  | 18.952  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 244566  | 21.070  | ug/l   | 99  |
| 28) Bromochloromethane        | 7.20 | 49  | 167221  | 20.584  | ug/l   | 96  |
| 29) Tetrahydrofuran           | 7.21 | 42  | 257680  | 103.199 | ug/l   | 97  |
| 30) Chloroform                | 7.37 | 83  | 392716  | 21.323  | ug/l   | 99  |
| 31) Cyclohexane               | 7.66 | 56  | 368615  | 20.340  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 325717  | 20.761  | ug/l   | 99  |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 299307  | 20.025  | ug/l   | 99  |
| 37) Ethyl Acetate             | 6.93 | 43  | 176704  | 21.178  | ug/l   | 99  |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 276129  | 20.156  | ug/l   | 100 |

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 ALS Vial : 33 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Dec 21 02:37:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 9.08  | 83   | 336780   | 18.548  | ug/l   | 100      |
| 40) Benzene                    | 8.04  | 78   | 908203   | 20.429  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 105272   | 21.836  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 270861   | 20.624  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 335334   | 20.144  | ug/l   | 99       |
| 44) Trichloroethene            | 8.84  | 130  | 250507   | 19.481  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 242707   | 20.959  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 137827   | 20.432  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 289446   | 20.185  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 159614   | 19.714  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 35933    | 350.847 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 834083   | 103.224 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 546755   | 19.842  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 282106   | 18.709  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 343501   | 19.847  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 196769   | 20.468  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 253979   | 19.960  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 336637   | 20.420  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 713223   | 102.099 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 534415   | 97.753  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 211099   | 19.183  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 190527   | 19.514  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 272545   | 19.055  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.44 | 112  | 592544   | 20.245  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 210935   | 20.724  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1011305  | 20.091  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 757478   | 39.585  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 370430   | 20.174  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 599654   | 20.028  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 135552   | 18.435  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 976699   | 21.649  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 265247   | 21.177  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 206221   | 23.300  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 267652   | 27.574  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 244421   | 20.842  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 1072276  | 20.869  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 644356   | 20.232  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 760855   | 20.691  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 55664    | 18.483  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 639944   | 20.526  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 672770   | 20.687  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 765307   | 20.703  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 874086   | 19.871  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 752206   | 19.790  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 415000   | 19.994  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 407156   | 19.371  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 584522   | 17.875  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 110210   | 18.894  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 395035   | 20.223  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 29505    | 19.280  | ug/l   | 98       |

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Sample : VN1220WBS02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 33 Sample Multiplier: 28

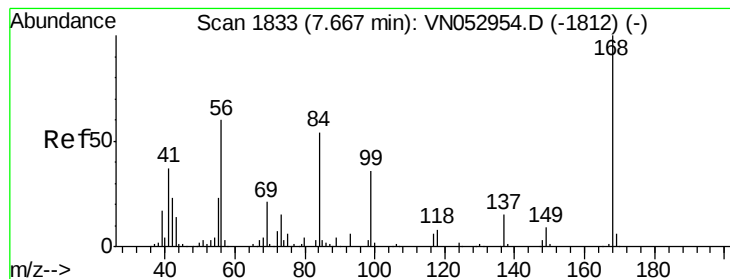
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Dec 21 02:37:28 2018  
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Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 194554   | 19.171 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 116547   | 20.028 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 407837   | 18.724 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 179843   | 19.609 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

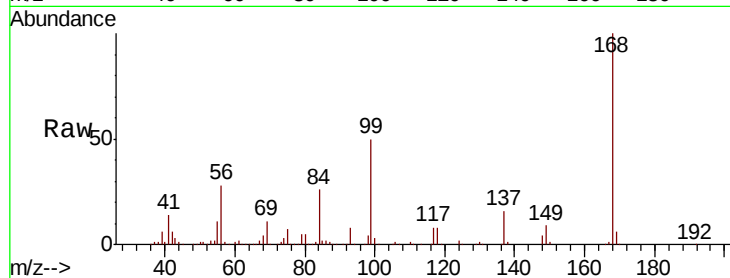
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:168 Resp: 1001180

Ion Ratio Lower Upper

168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

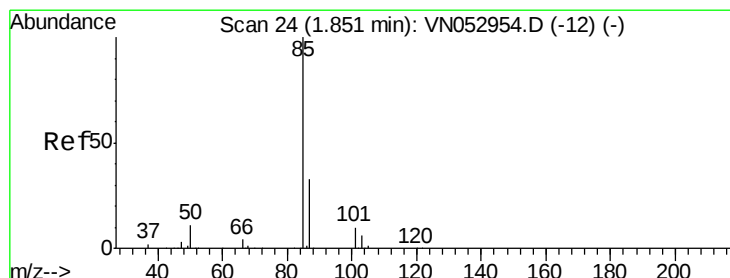
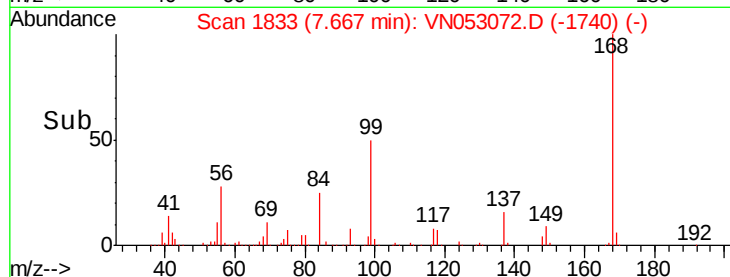
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.915 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053072.D

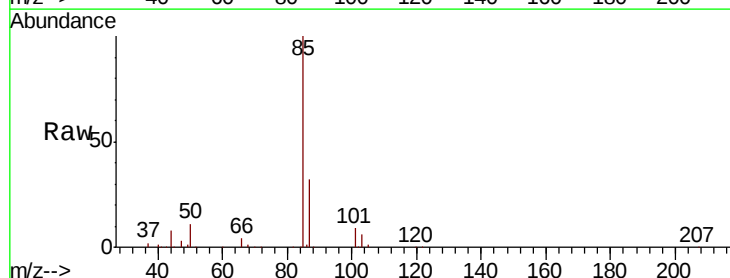
Acq: 20 Dec 2018 23:02

Tgt Ion: 85 Resp: 191659

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

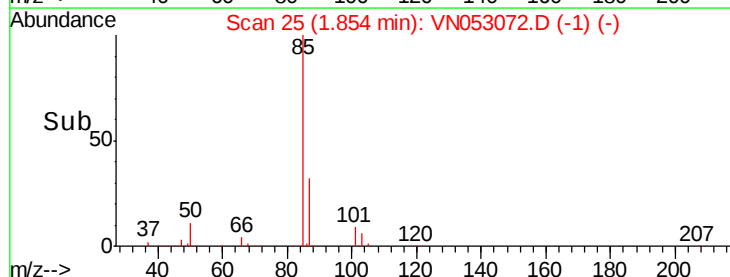
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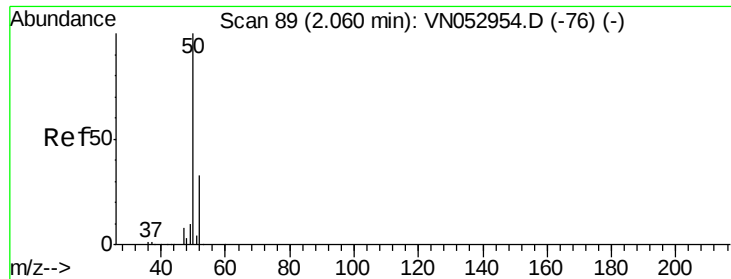
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.567 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

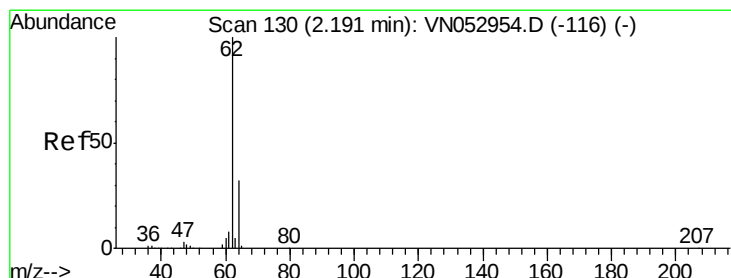
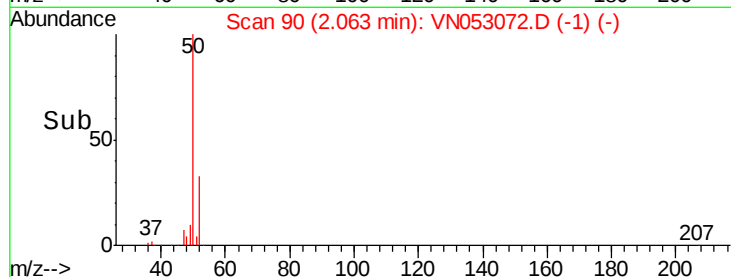
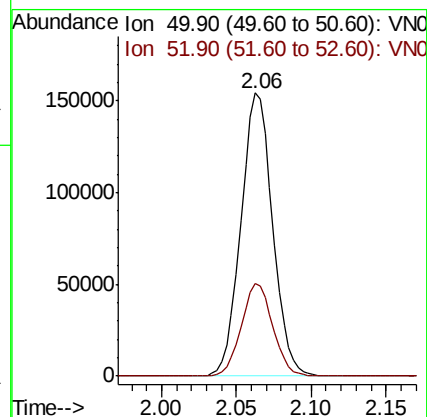
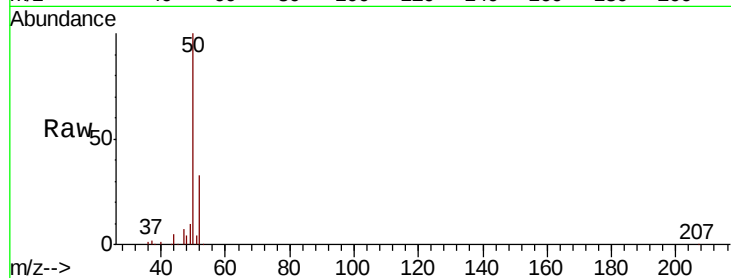
ClientSampled :

Tot Ion: 50 Resp: 227985

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.4



#4

Vinyl Chloride

Concen: 19.675 ug/l

RT: 2.19 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN053072.D

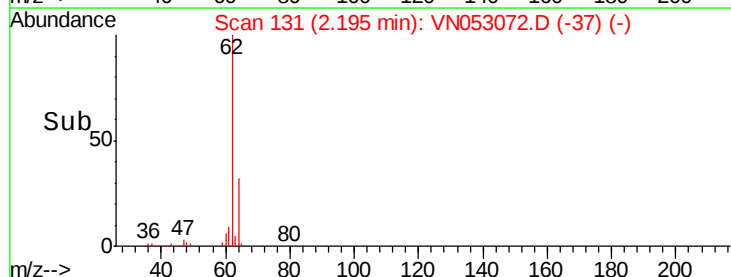
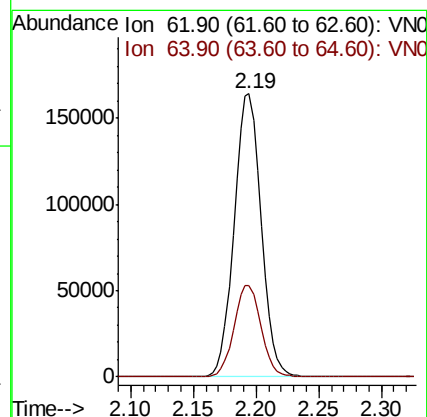
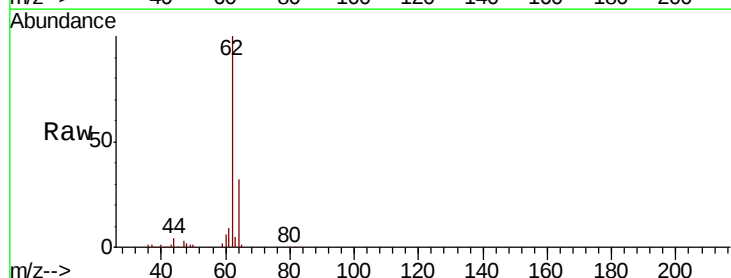
Acq: 20 Dec 2018 23:02

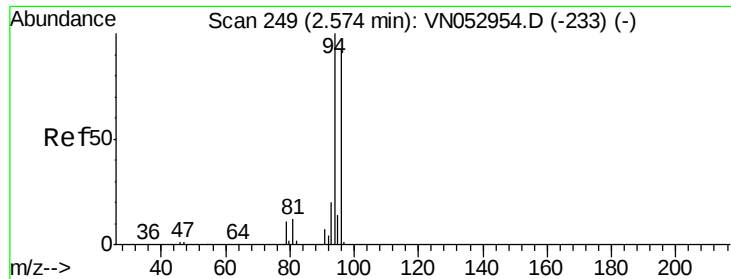
Tgt Ion: 62 Resp: 244667

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 19.270 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

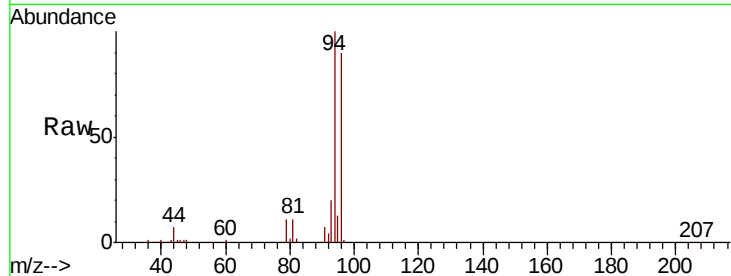
ClientSampled :

Tot Ion: 94 Resp: 166027

Ion Ratio Lower Upper

94 100

96 90.2 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

100000

80000

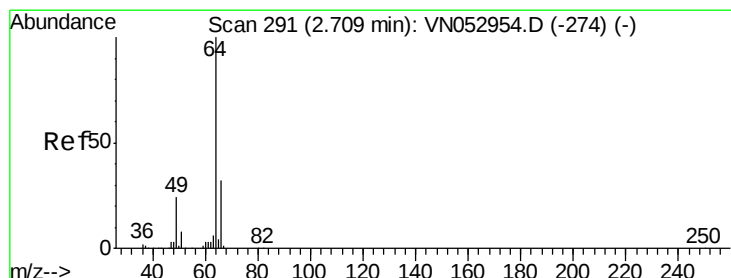
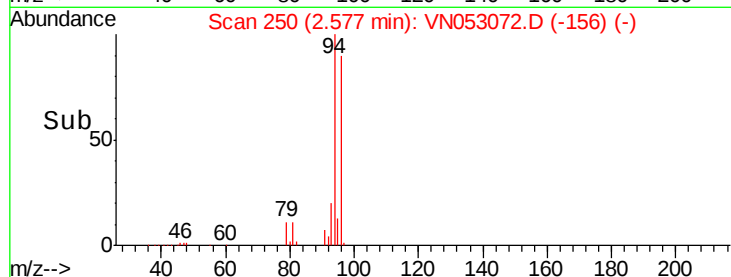
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 20.232 ug/l

RT: 2.72 min Scan# 293

Delta R.T. 0.01 min

Lab File: VN053072.D

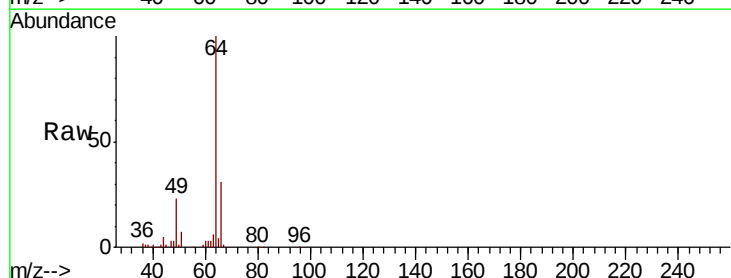
Acq: 20 Dec 2018 23:02

Tgt Ion: 64 Resp: 149006

Ion Ratio Lower Upper

64 100

66 30.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.72

80000

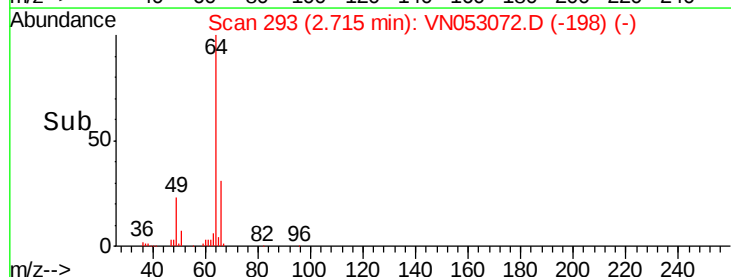
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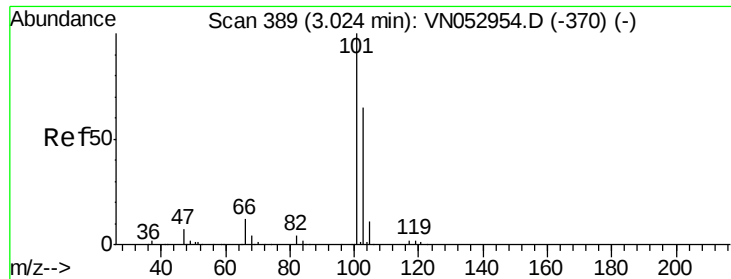
40000

20000

0

Time-->



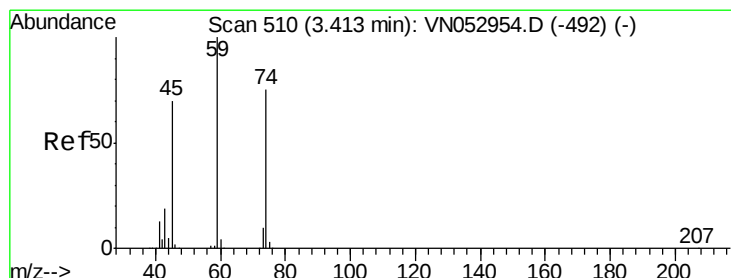
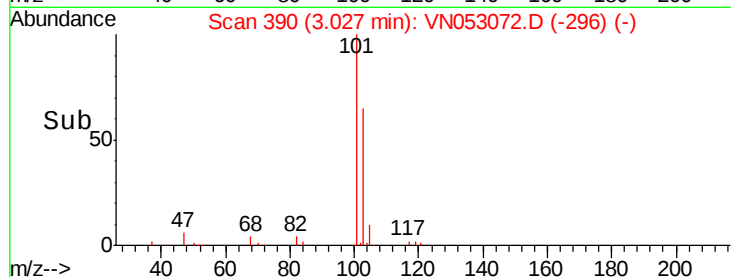
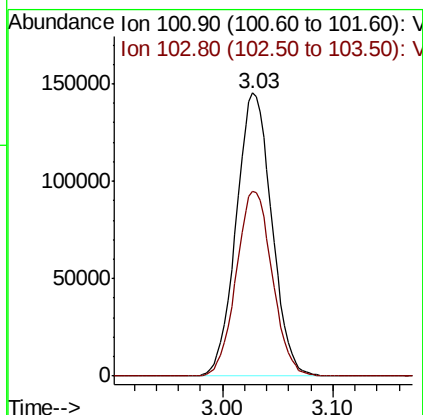
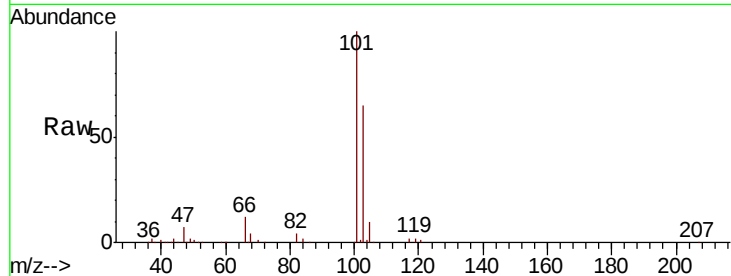


#7

Trichlorofluoromethane  
 Concen: 20.966 ug/l  
 RT: 3.03 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Instrument :  
 MSVOA\_N  
 ClientSampled :

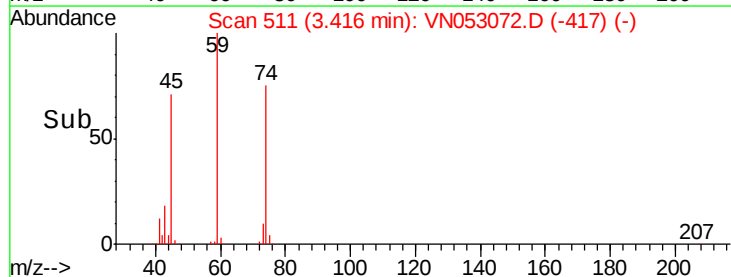
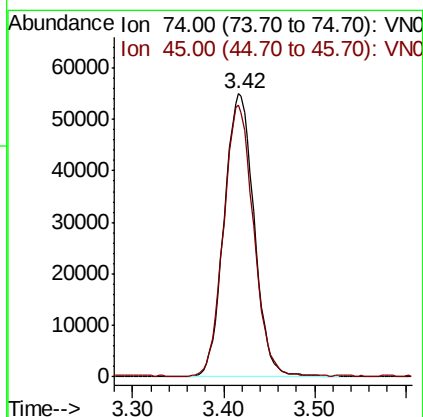
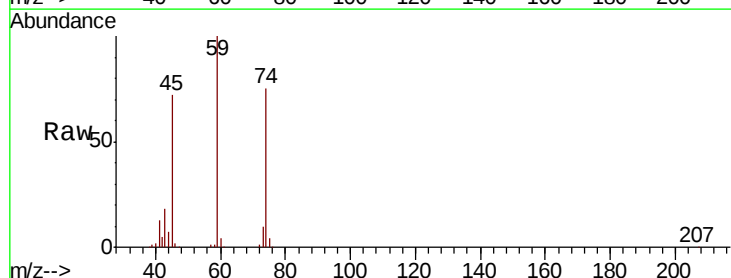
Tot Ion:101 Resp: 324801  
 Ion Ratio Lower Upper  
 101 100  
 103 65.3 51.8 77.6

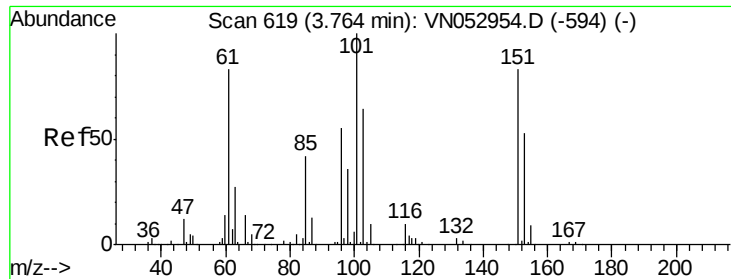


#8

Diethyl Ether  
 Concen: 21.516 ug/l  
 RT: 3.42 min Scan# 511  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Tgt Ion: 74 Resp: 125743  
 Ion Ratio Lower Upper  
 74 100  
 45 96.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.226 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampleId :

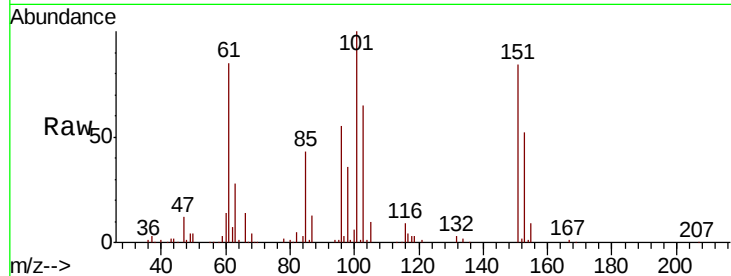
Tot Ion:101 Resp: 199774

Ion Ratio Lower Upper

101 100

85 42.3 33.6 50.4

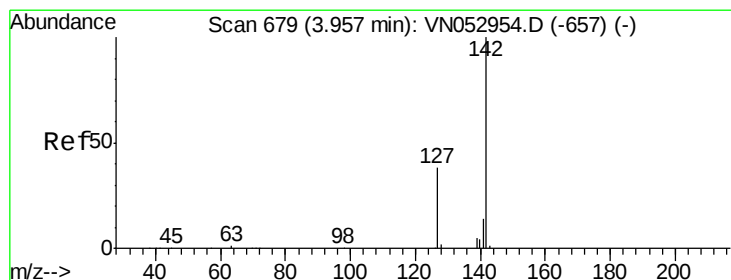
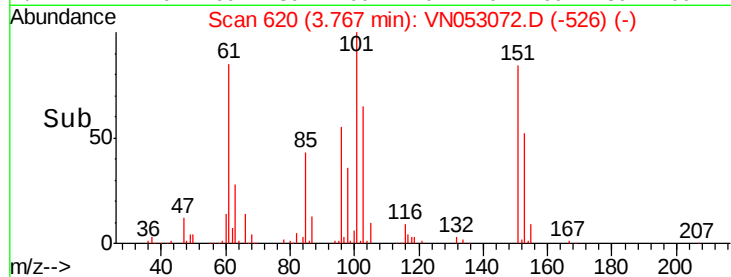
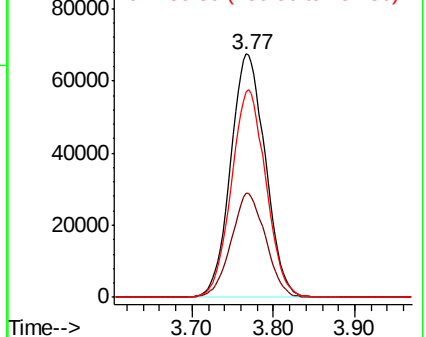
151 84.8 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.893 ug/l

RT: 3.96 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

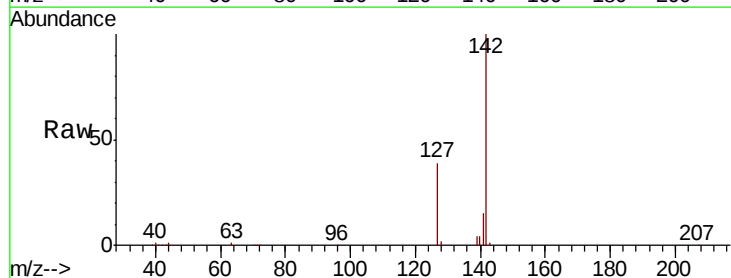
Tgt Ion:142 Resp: 275927

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.6

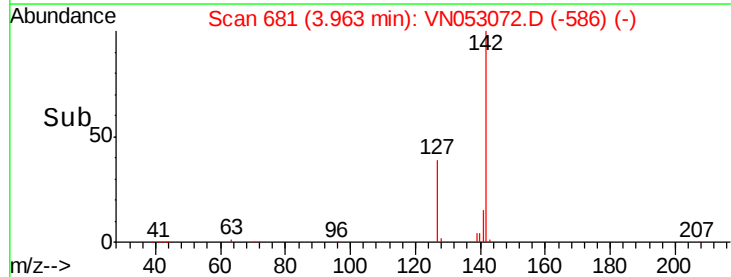
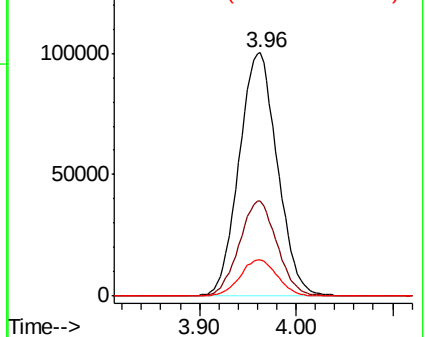
141 14.5 11.2 16.8

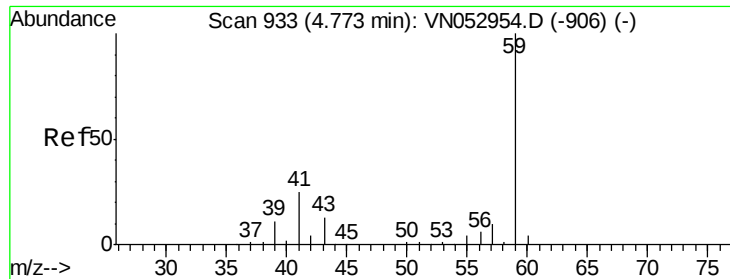


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

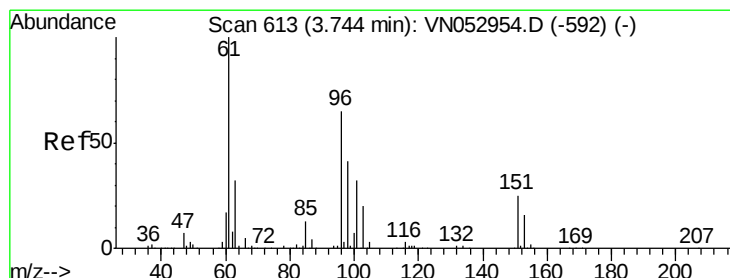
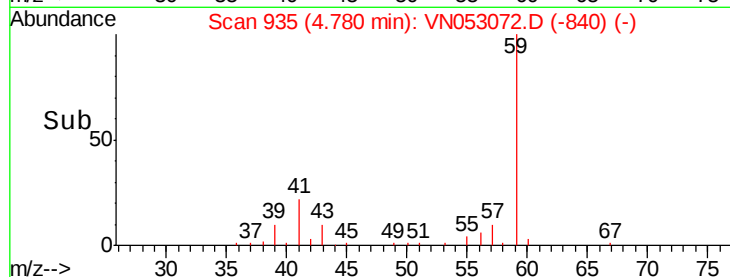
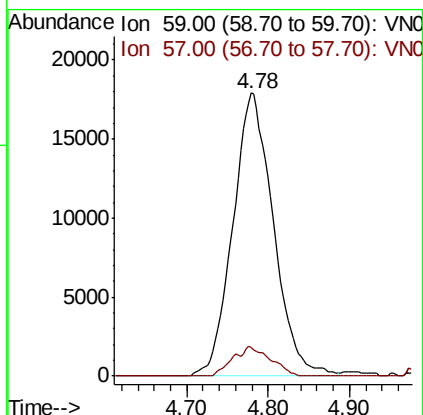
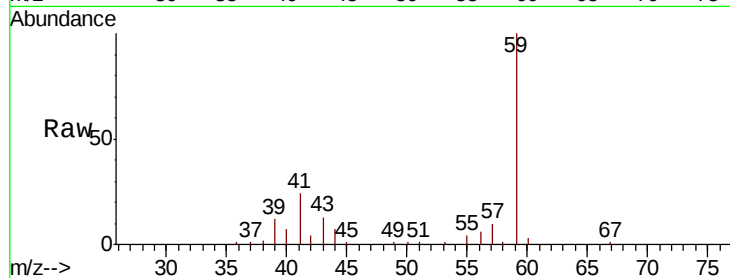




#11  
Tert butyl alcohol  
Concen: 99.649 ug/l  
RT: 4.78 min Scan# 935  
Delta R.T. 0.01 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

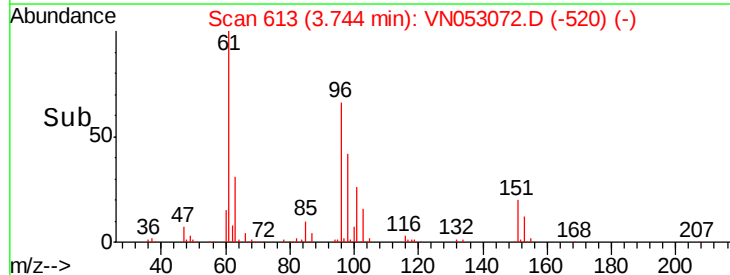
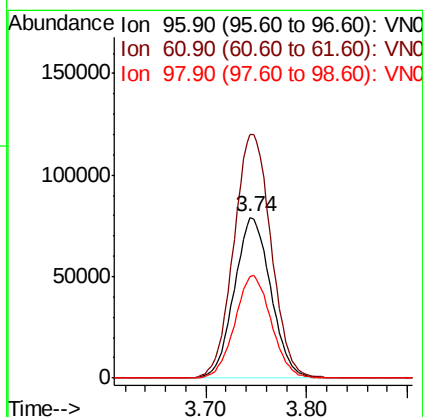
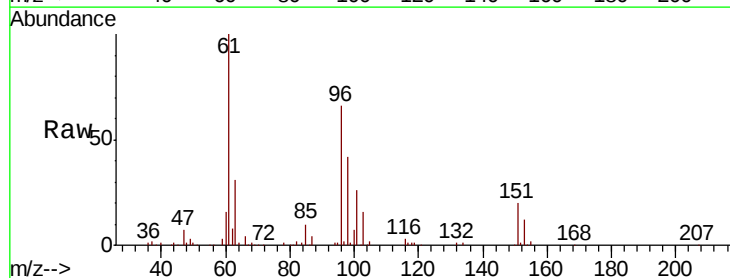
Instrument :  
MSVOA\_N  
ClientSampled :

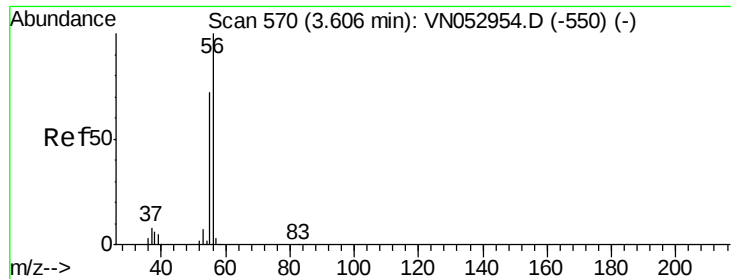
Tot Ion: 59 Resp: 61775  
Ion Ratio Lower Upper  
59 100  
57 9.7 7.7 11.5



#12  
1,1-Dichloroethene  
Concen: 20.821 ug/l  
RT: 3.74 min Scan# 613  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 96 Resp: 198686  
Ion Ratio Lower Upper  
96 100  
61 151.5 125.6 188.4  
98 63.3 50.6 75.8





#13

Acrolein

Concen: 115.050 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

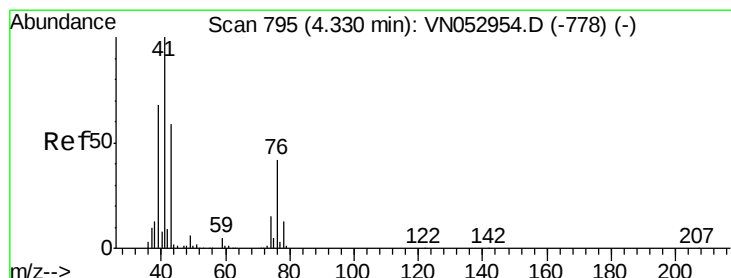
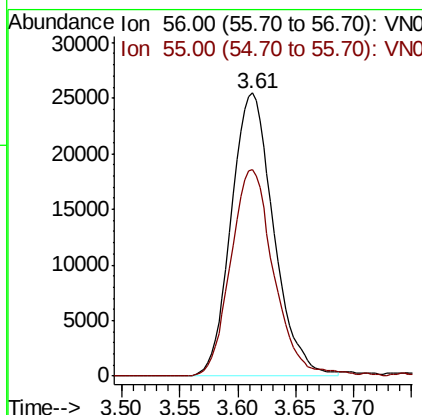
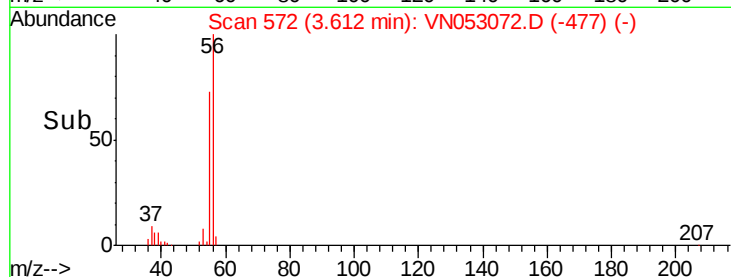
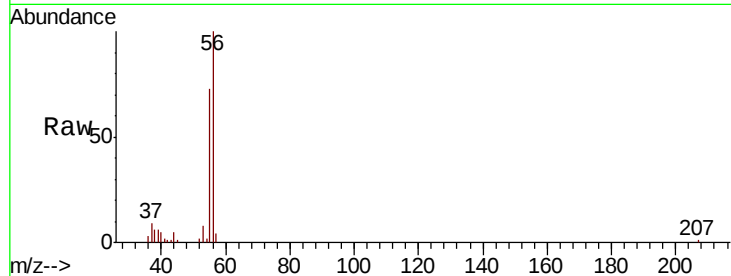
ClientSampleId :

Tot Ion: 56 Resp: 64671

Ion Ratio Lower Upper

56 100

55 74.0 56.6 85.0



#14

Allyl chloride

Concen: 20.621 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

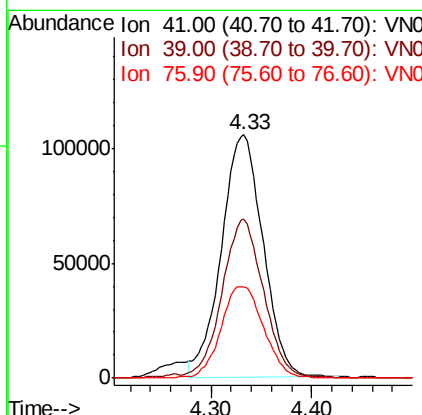
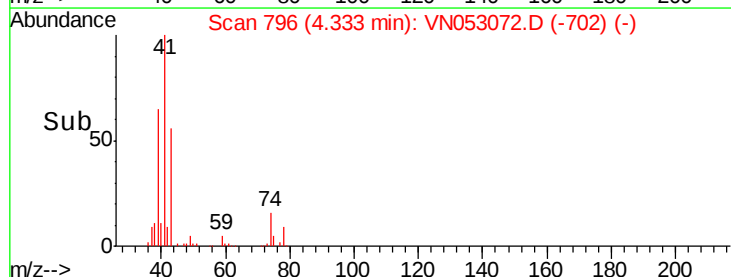
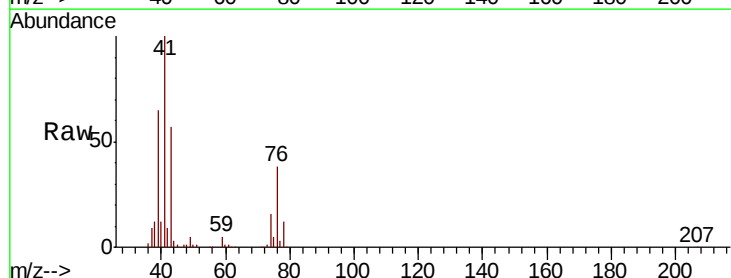
Tgt Ion: 41 Resp: 304808

Ion Ratio Lower Upper

41 100

39 66.0 54.1 81.1

76 38.0 30.3 45.5





#15

Acrylonitrile

Concen: 102.377 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampled :

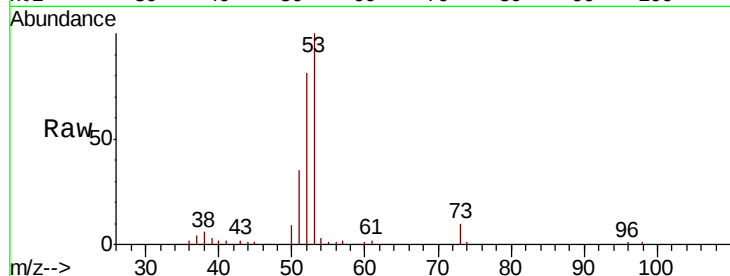
Tot Ion: 53 Resp: 352587

Ion Ratio Lower Upper

53 100

52 82.6 65.1 97.7

51 36.1 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052954.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN052954.D (-973) (-)

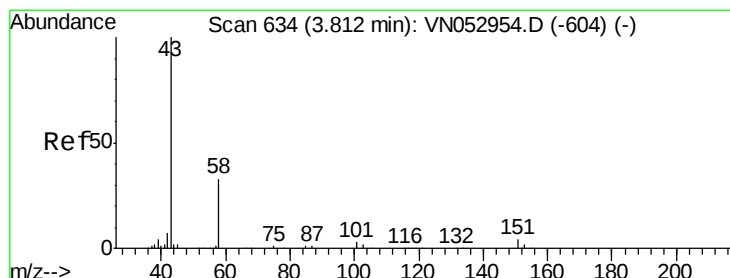
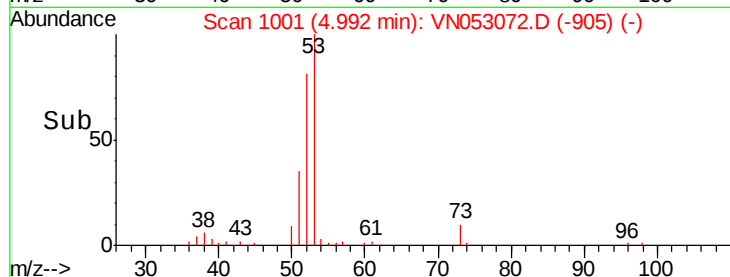
4.99

100000

50000

0

Time-->



#16

Acetone

Concen: 109.459 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053072.D

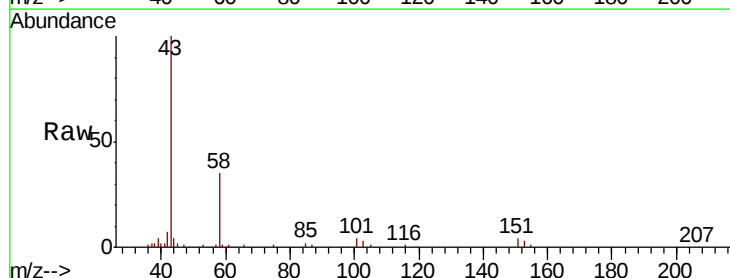
Acq: 20 Dec 2018 23:02

Tgt Ion: 43 Resp: 218051

Ion Ratio Lower Upper

43 100

58 34.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)

3.82

80000

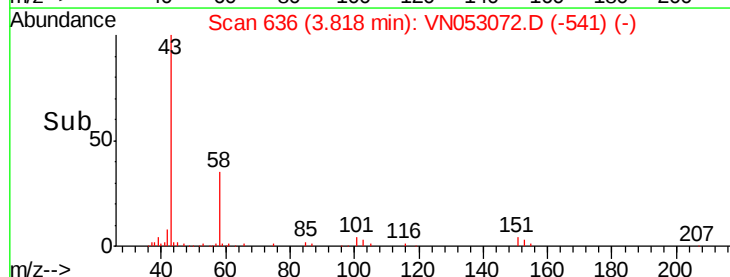
60000

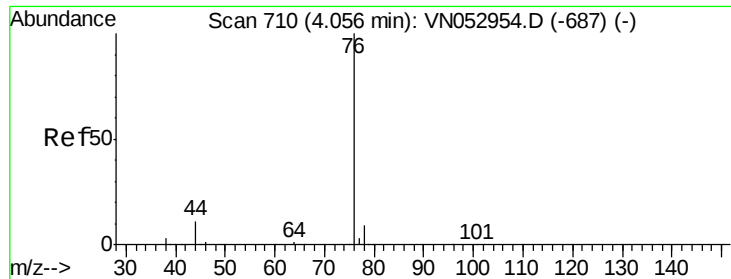
40000

20000

0

Time-->

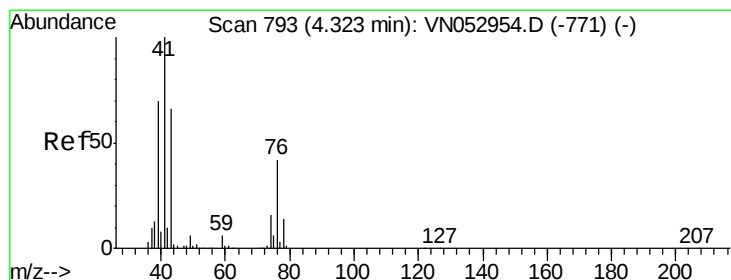
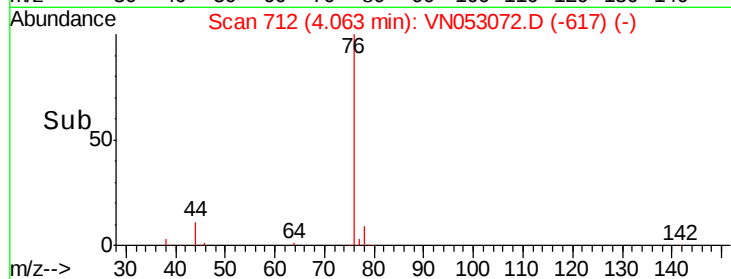
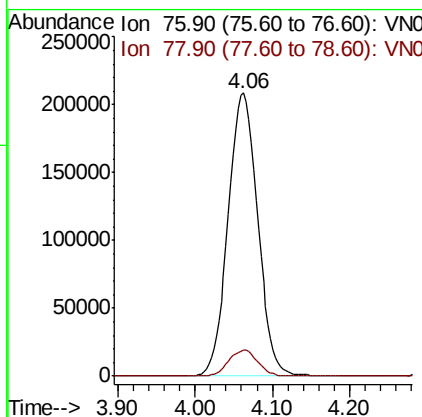
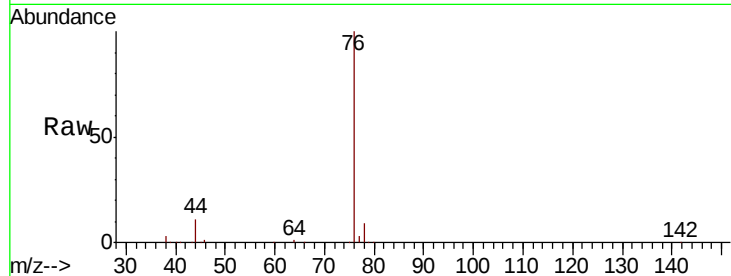




#17  
Carbon Disulfide  
Concen: 17.828 ug/l  
RT: 4.06 min Scan# 712  
Delta R.T. 0.01 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

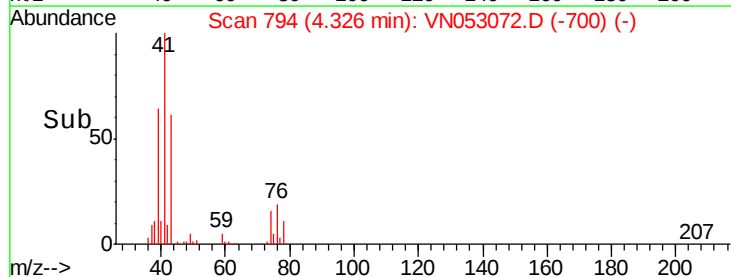
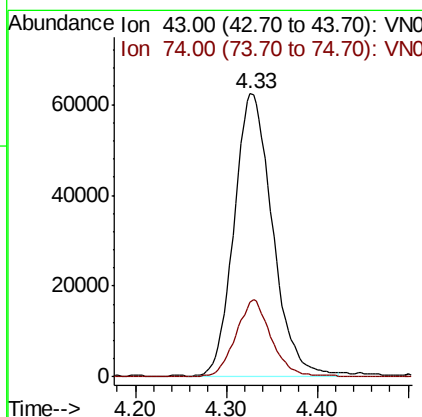
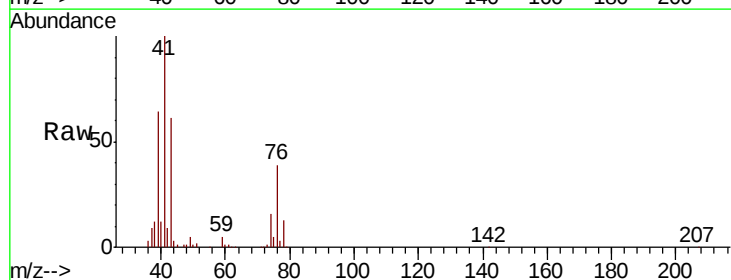
Instrument :  
MSVOA\_N  
ClientSampleId :

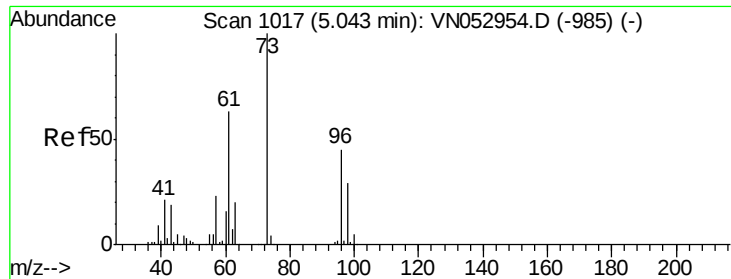
Tot Ion: 76 Resp: 554829  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.1 10.7



#18  
Methyl Acetate  
Concen: 20.630 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 43 Resp: 181153  
Ion Ratio Lower Upper  
43 100  
74 25.5 19.2 28.8



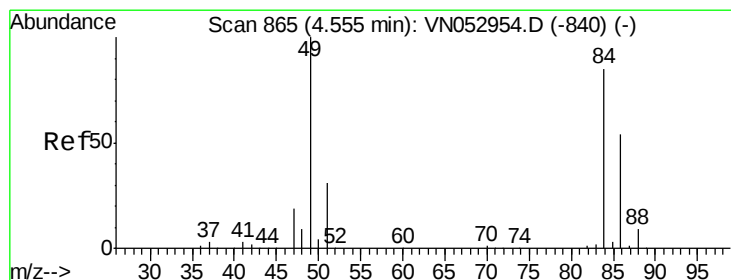
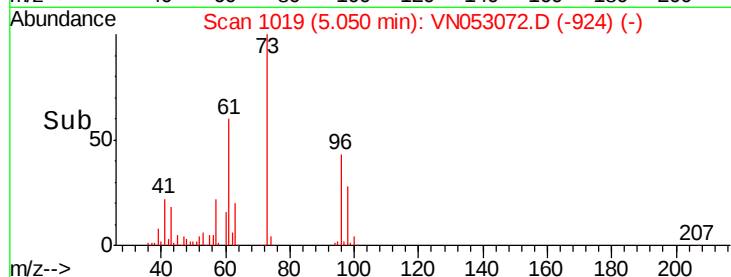
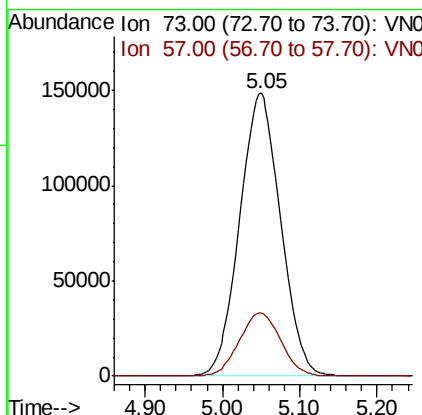
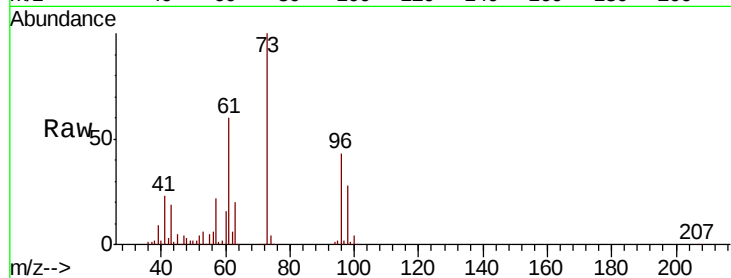


#19

Methyl tert-butyl Ether  
 Concen: 21.440 ug/l  
 RT: 5.05 min Scan# 1019  
 Delta R.T. 0.01 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Instrument :  
 MSVOA\_N  
 ClientSampleId :

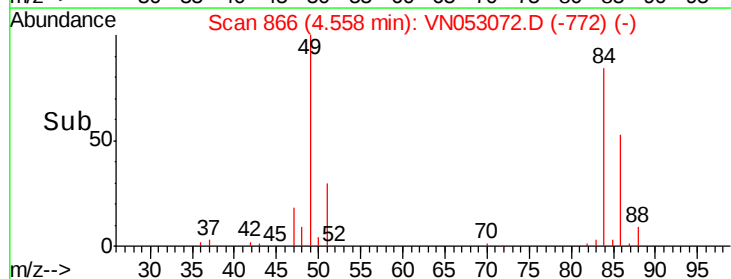
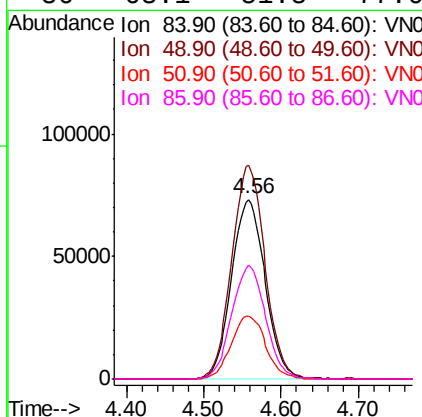
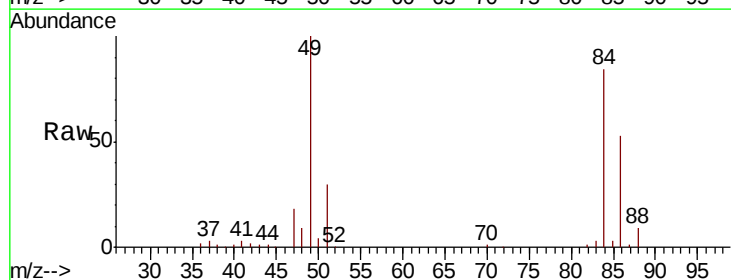
Tot Ion: 73 Resp: 547515  
 Ion Ratio Lower Upper  
 73 100  
 57 22.2 18.4 27.6

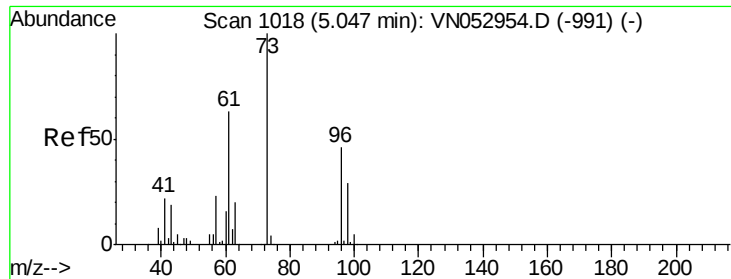


#20

Methylene Chloride  
 Concen: 20.382 ug/l  
 RT: 4.56 min Scan# 866  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Tgt Ion: 84 Resp: 221477  
 Ion Ratio Lower Upper  
 84 100  
 49 119.0 96.8 145.2  
 51 35.2 29.9 44.9  
 86 63.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.459 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampled :

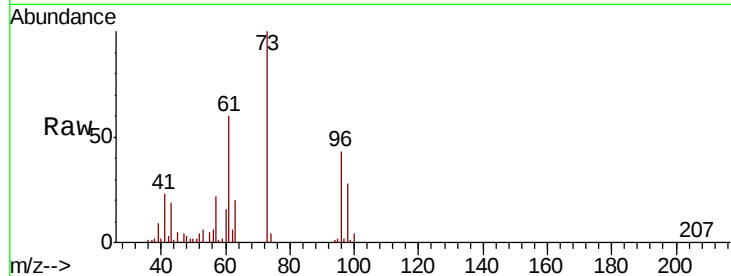
Tot Ion: 96 Resp: 209758

Ion Ratio Lower Upper

96 100

61 138.4 110.8 166.2

98 64.3 51.4 77.2

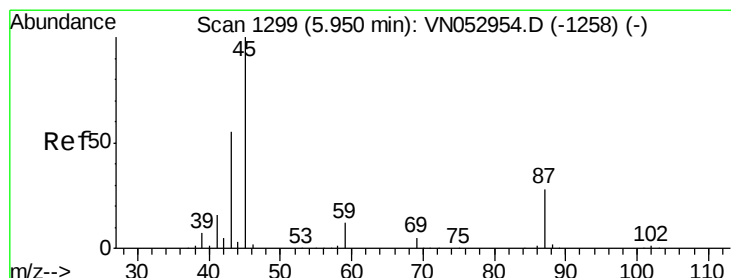
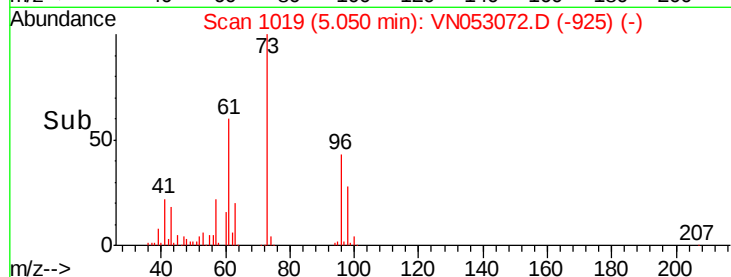
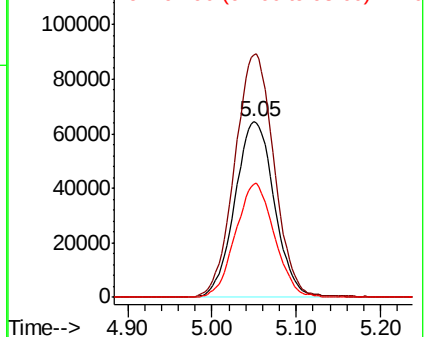


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.776 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion: 45 Resp: 687051

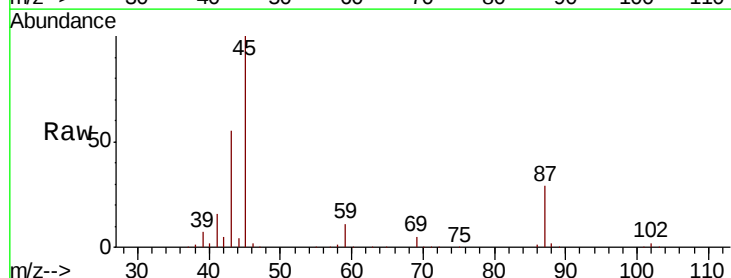
Ion Ratio Lower Upper

45 100

43 54.0 45.5 68.3

87 29.0 22.0 33.0

59 11.3 9.4 14.0



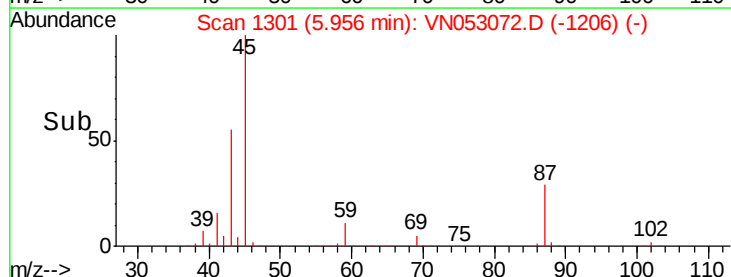
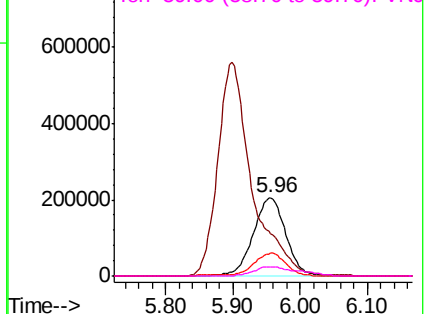
Abundance

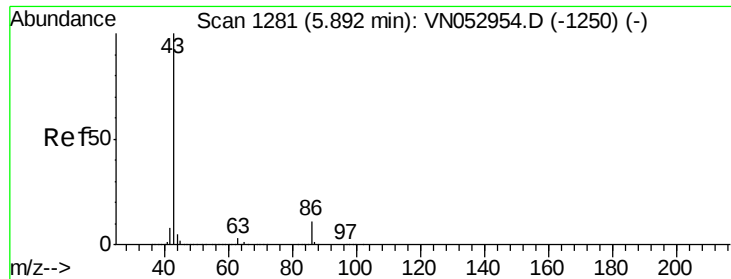
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 108.845 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

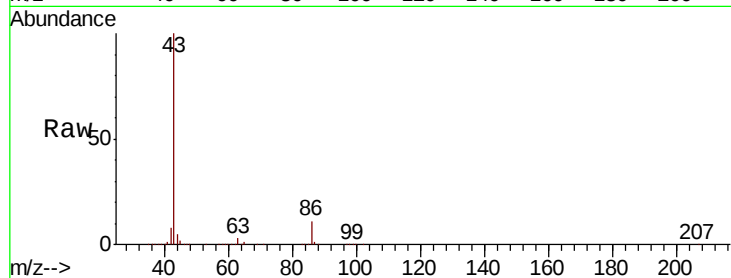
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 1974721

Ion Ratio Lower Upper

43 100

86 10.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

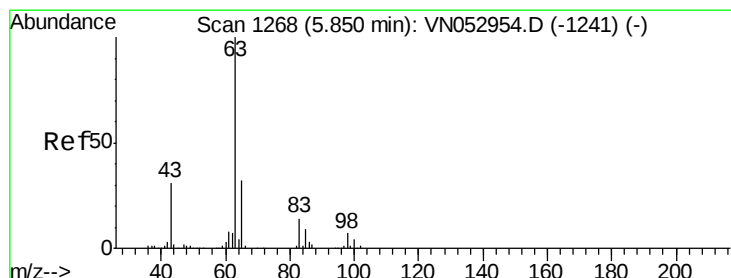
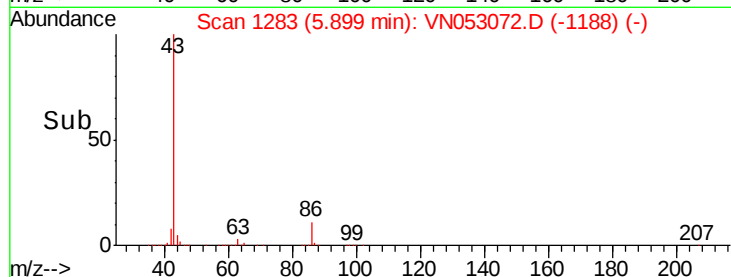
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.342 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

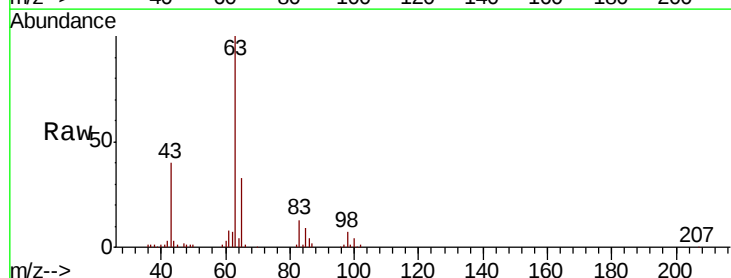
Tgt Ion: 63 Resp: 400117

Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.4

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

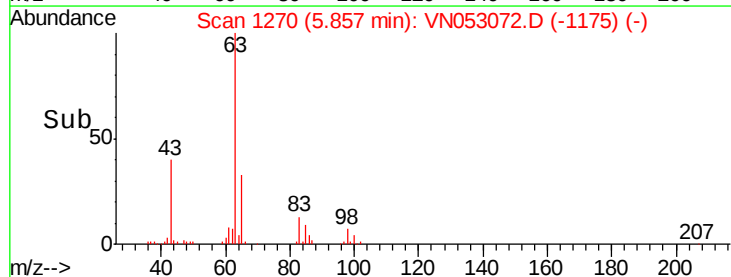
150000

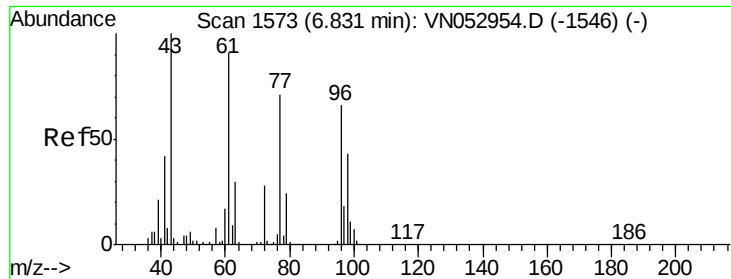
100000

50000

0

Time--> 5.70 5.80 5.90 6.00

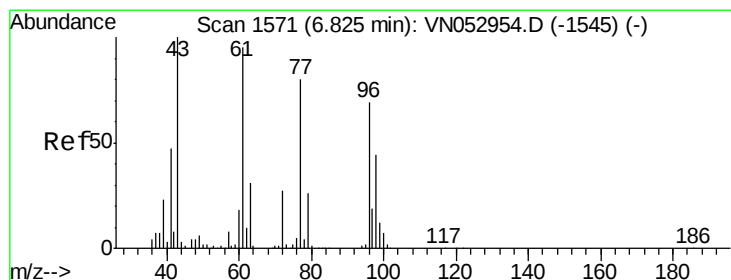
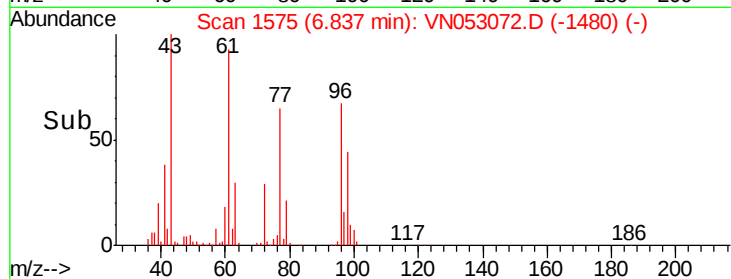
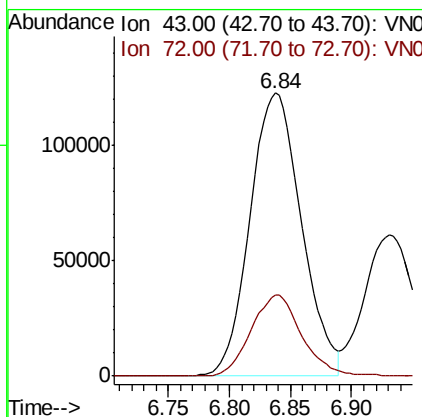
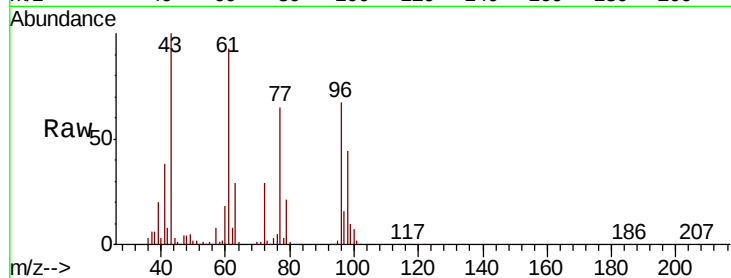




#25  
2-Butanone  
Concen: 107.075 ug/l  
RT: 6.84 min Scan# 1575  
Delta R.T. 0.01 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

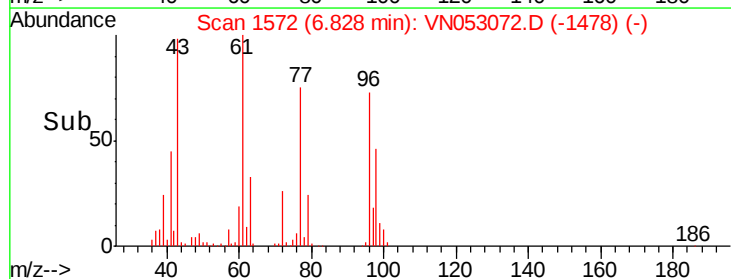
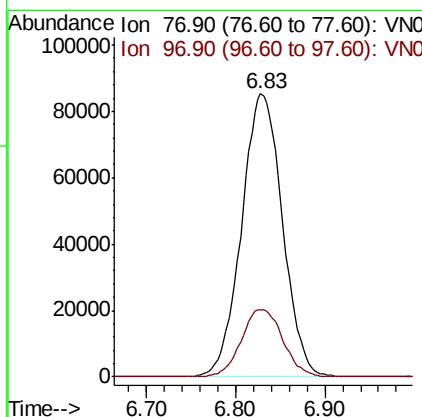
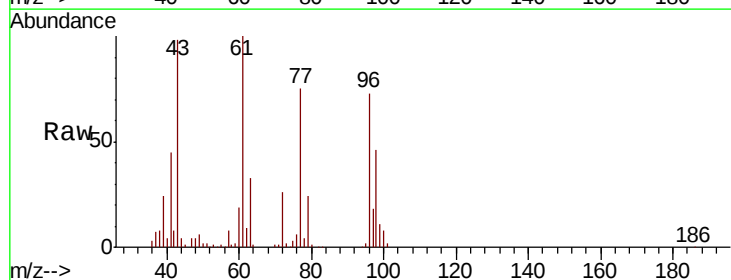
Instrument :  
MSVOA\_N  
ClientSampleId :

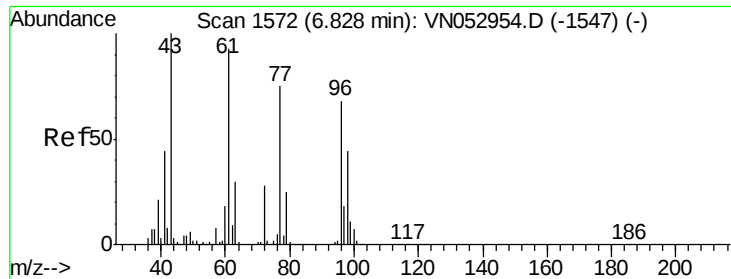
Tot Ion: 43 Resp: 357971  
Ion Ratio Lower Upper  
43 100  
72 28.8 21.0 31.6



#26  
2,2-Dichloropropane  
Concen: 18.952 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 77 Resp: 271231  
Ion Ratio Lower Upper  
77 100  
97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.070 ug/l

RT: 6.83 min Scan# 1573

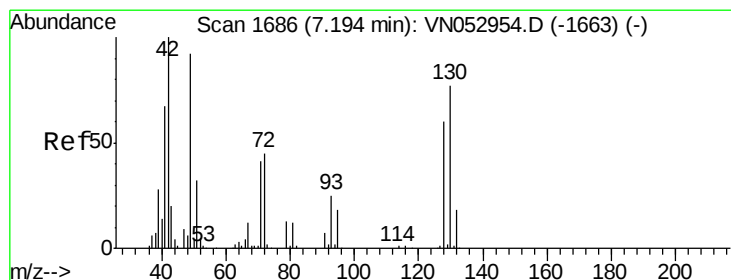
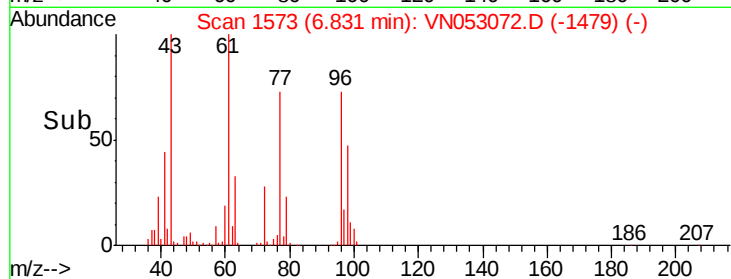
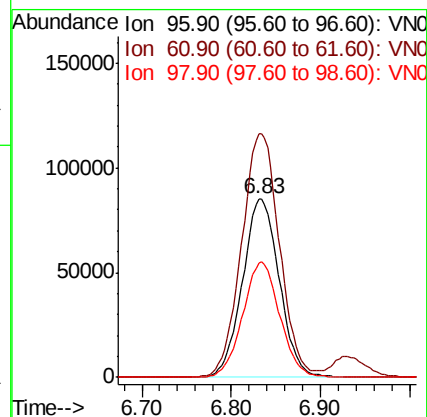
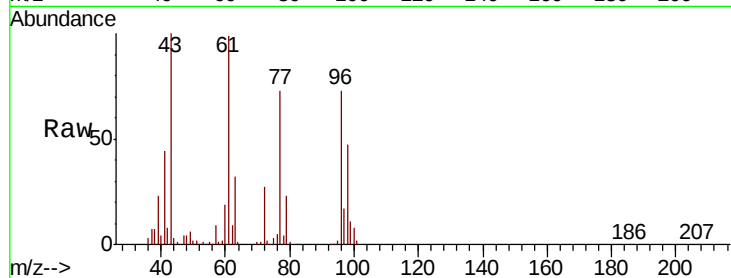
Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :  
MSVOA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 140.4 | 0.0   | 284.2 |
| 98      | 65.2  | 0.0   | 129.2 |



#28

Bromochloromethane

Concen: 20.584 ug/l

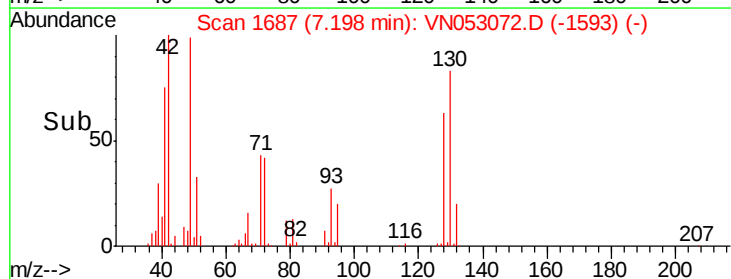
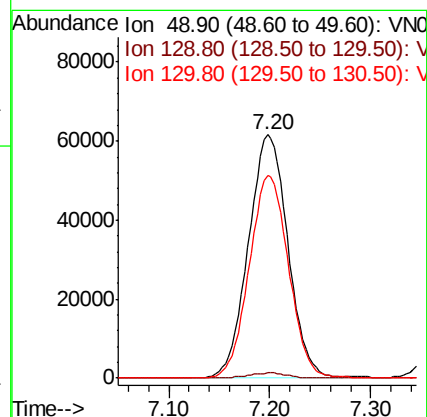
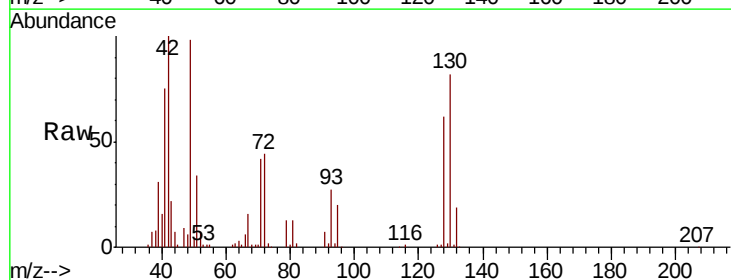
RT: 7.20 min Scan# 1687

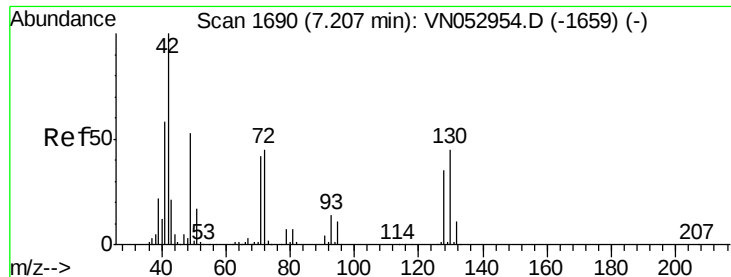
Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 4.0   |
| 130     | 83.0  | 63.3  | 94.9  |

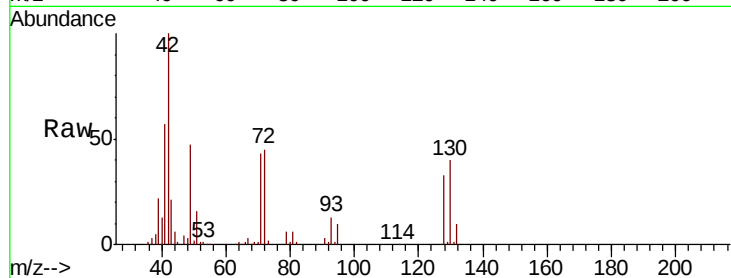




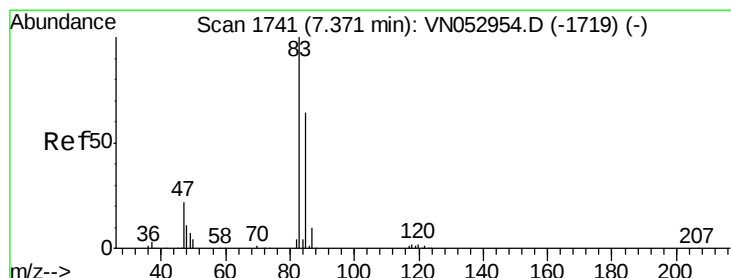
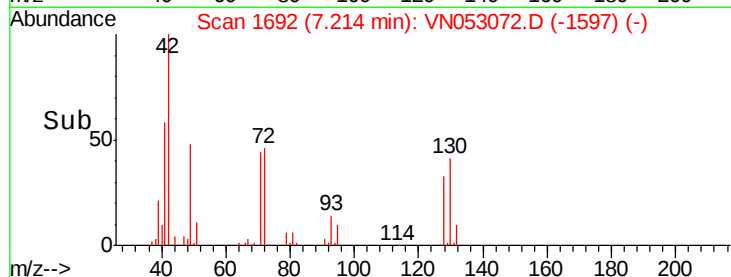
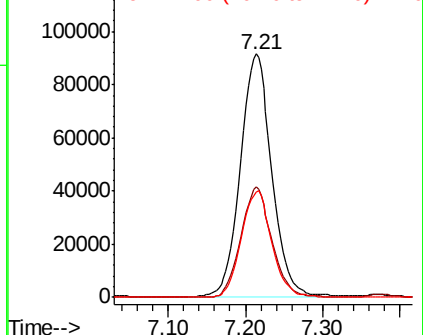
#29  
Tetrahydrofuran  
Concen: 103.199 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.01 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 42 Resp: 257680  
Ion Ratio Lower Upper  
42 100  
72 44.4 34.7 52.1  
71 42.7 32.3 48.5

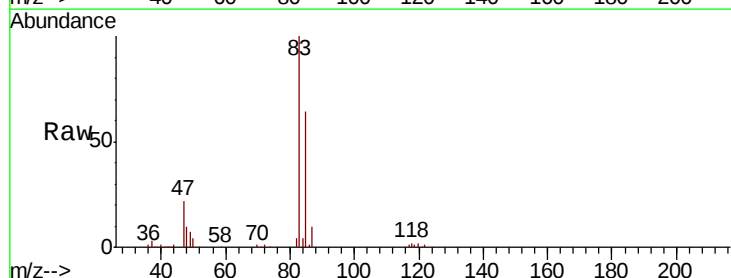


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

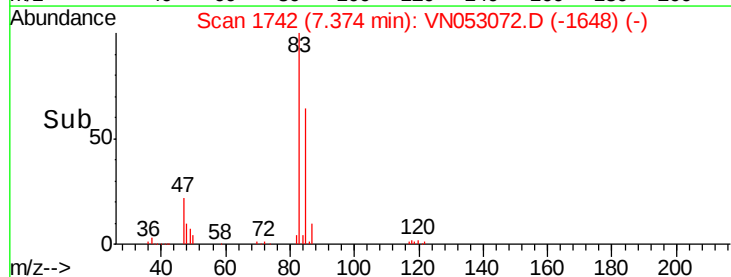
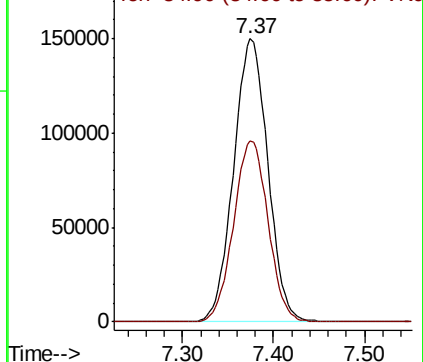


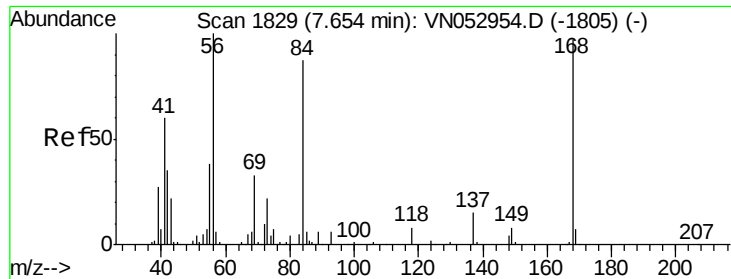
#30  
Chloroform  
Concen: 21.323 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 83 Resp: 392716  
Ion Ratio Lower Upper  
83 100  
85 64.1 52.1 78.1



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

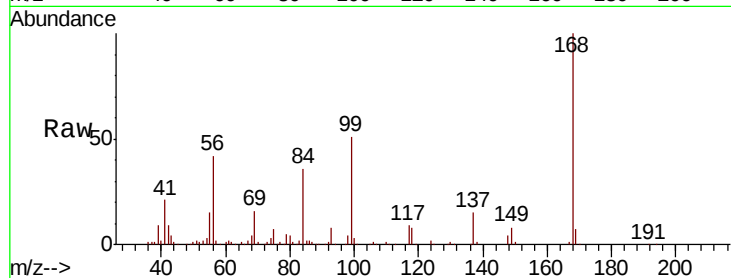




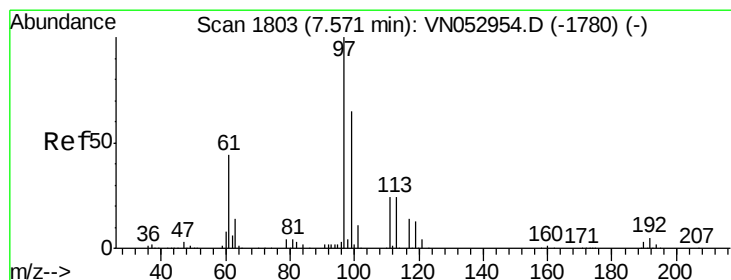
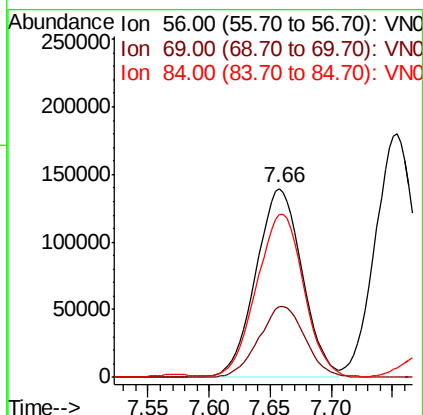
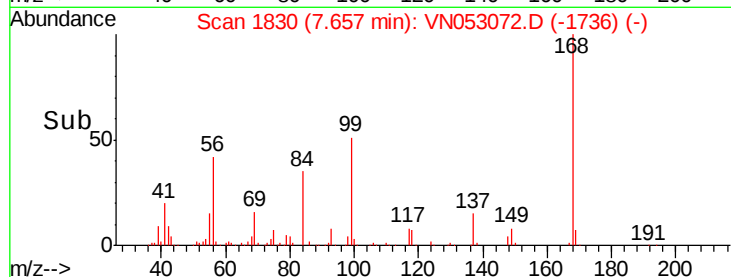
#31  
Cyclohexane  
Concen: 20.340 ug/l  
RT: 7.66 min Scan# 1830  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 56 Resp: 368615  
Ion Ratio Lower Upper  
56 100  
69 37.7 26.6 39.8  
84 85.4 68.4 102.6

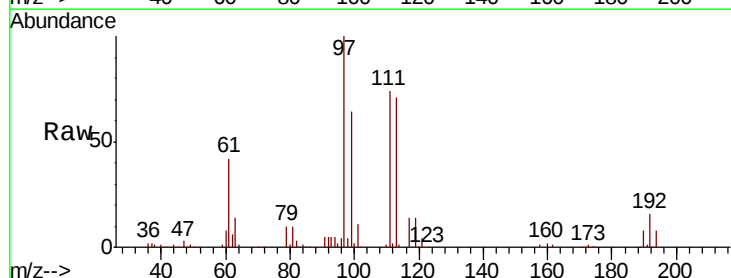


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

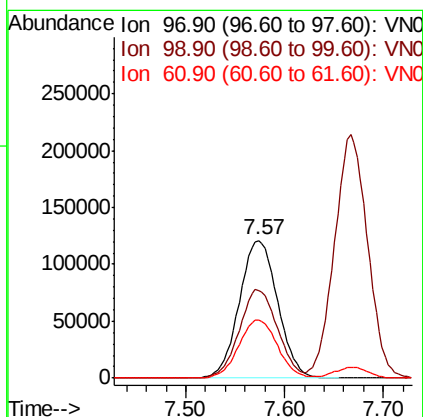
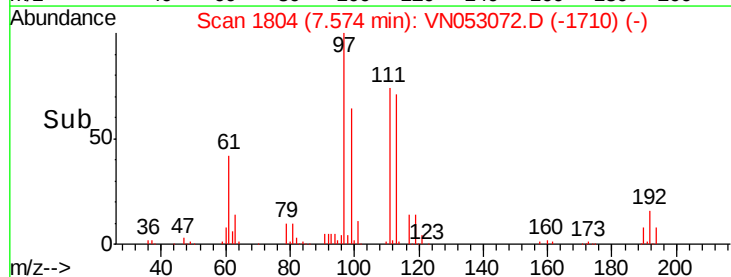


#32  
1,1,1-Trichloroethane  
Concen: 20.761 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 97 Resp: 325717  
Ion Ratio Lower Upper  
97 100  
99 64.2 51.1 76.7  
61 42.7 35.0 52.6



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

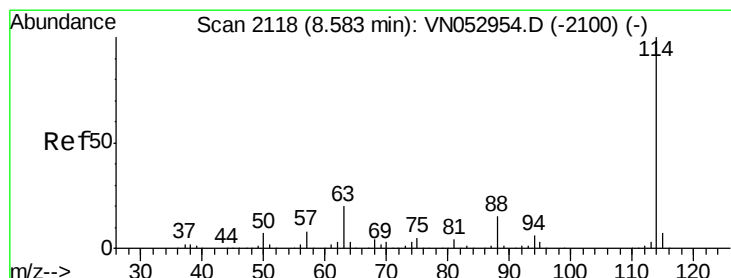
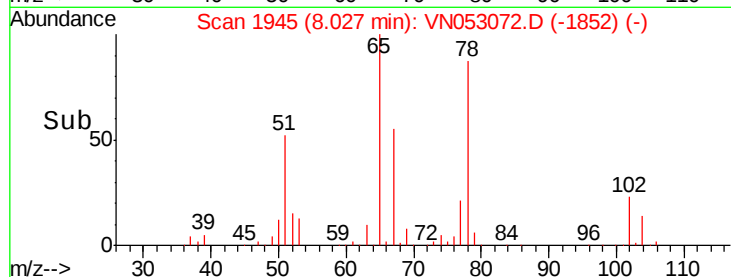
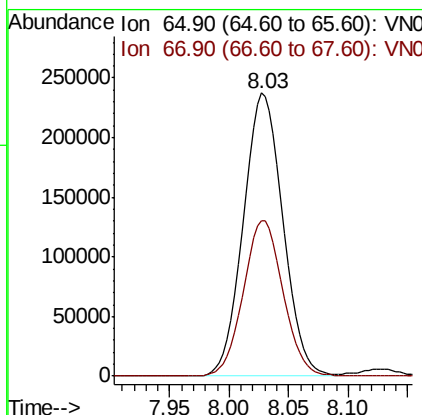
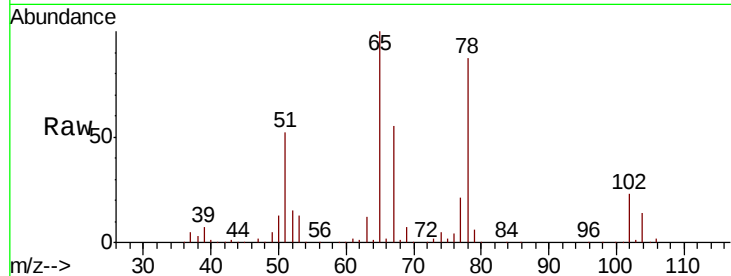




#33  
 1,2-Dichloroethane-d4  
 Concen: 20.761 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

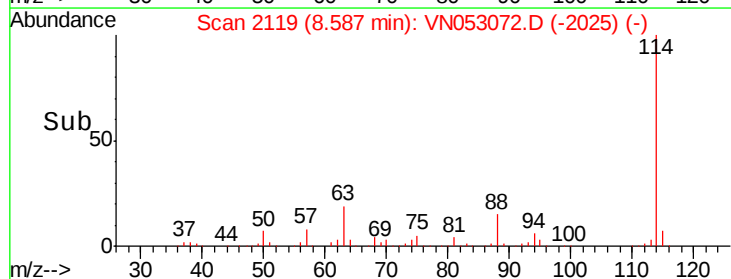
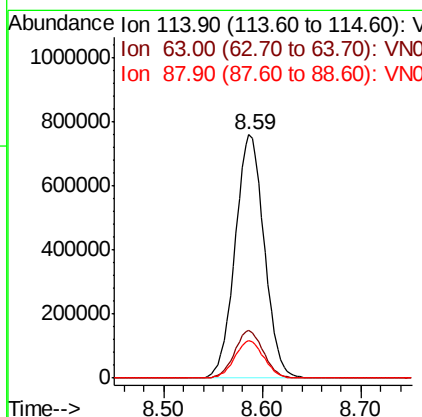
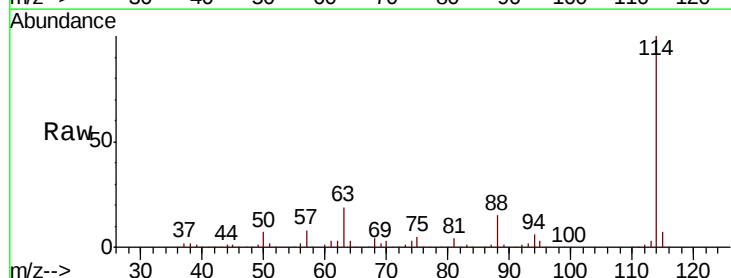
Instrument :  
 MSVOA\_N  
 ClientSampled :

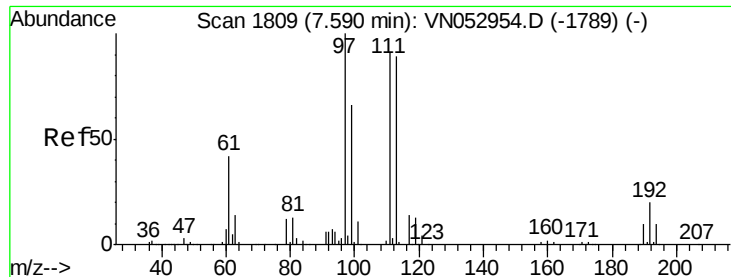
Tot Ion: 65 Resp: 547782  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Tgt Ion: 114 Resp: 1557189  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.8  
 88 15.4 0.0 31.0

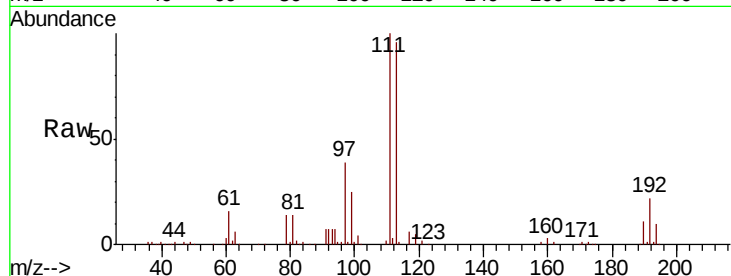




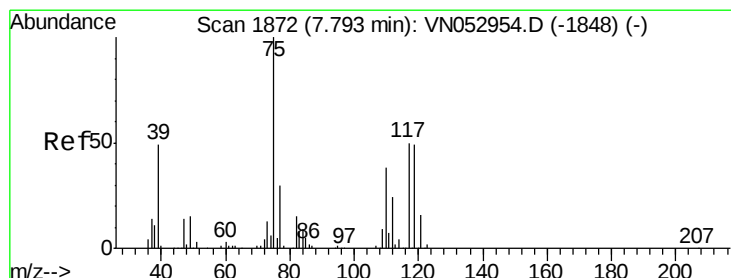
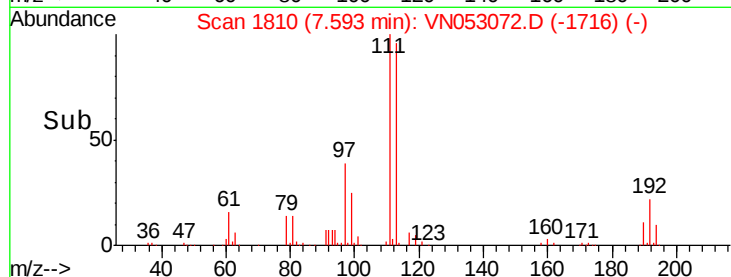
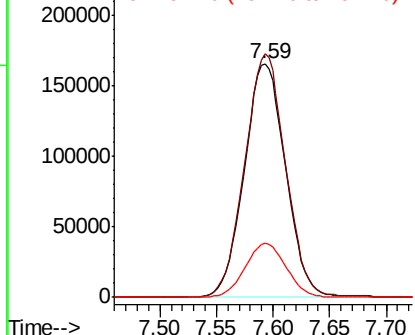
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Instrument :  
MSVOA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 83.0  | 124.4 |
| 192     | 23.0  | 17.5  | 26.3  |

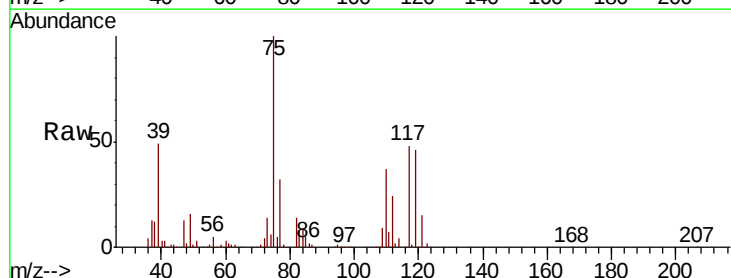


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

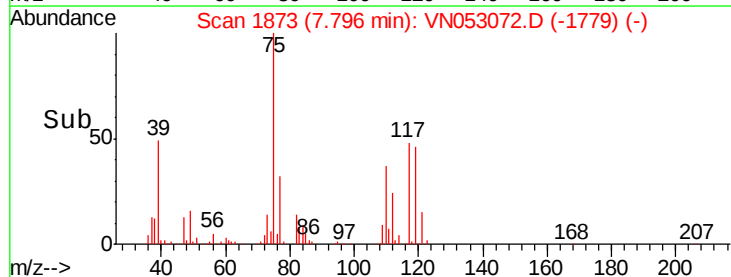
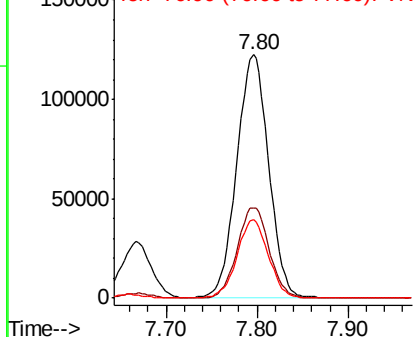


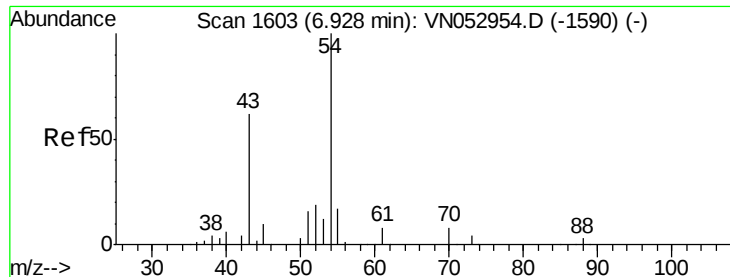
#36  
1,1-Dichloropropene  
Concen: 20.025 ug/l  
RT: 7.80 min Scan# 1873  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.0  | 18.2  | 54.6  |
| 77      | 31.6  | 24.9  | 37.3  |



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

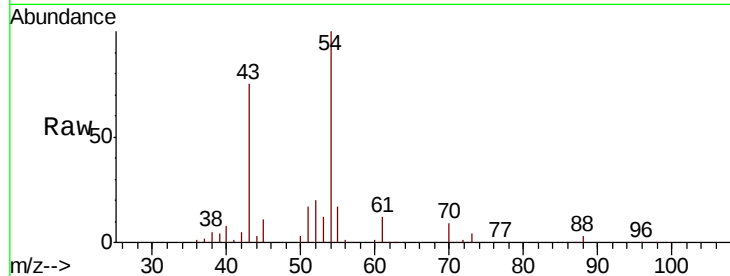




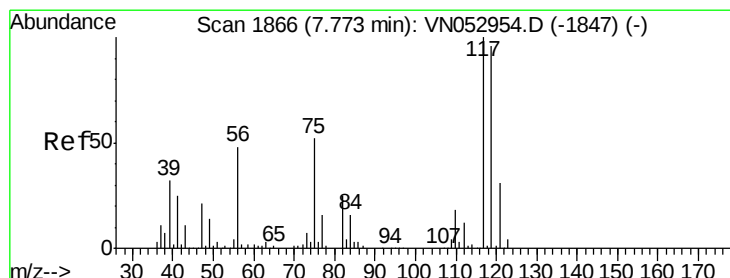
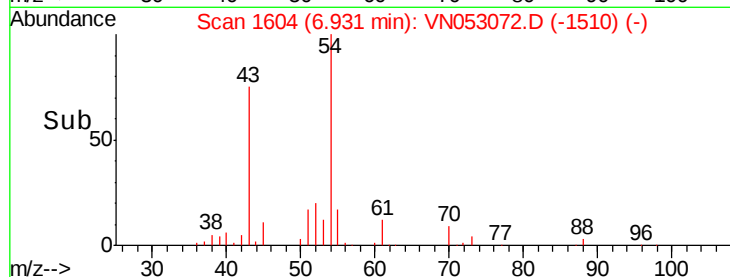
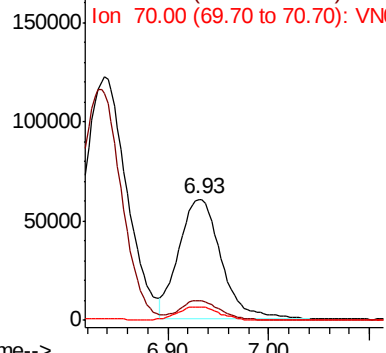
#37  
Ethyl Acetate  
Concen: 21.178 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 43 Resp: 176704  
Ion Ratio Lower Upper  
43 100  
61 14.4 11.8 17.6  
70 11.3 8.4 12.6

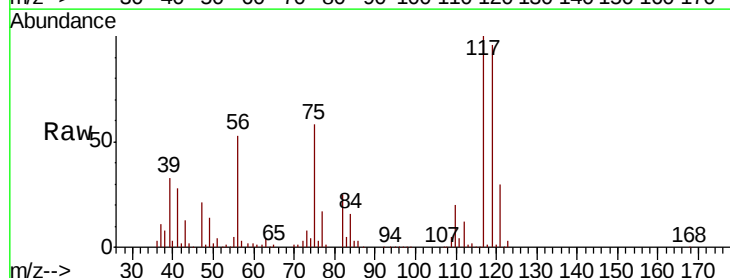


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

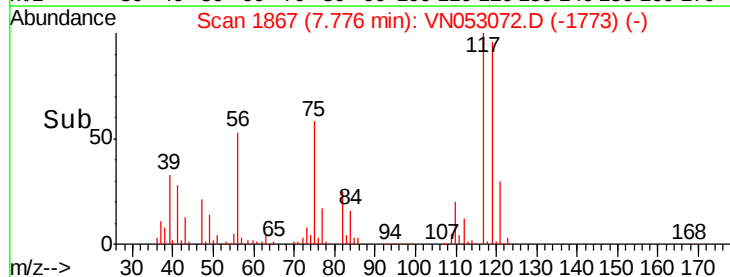
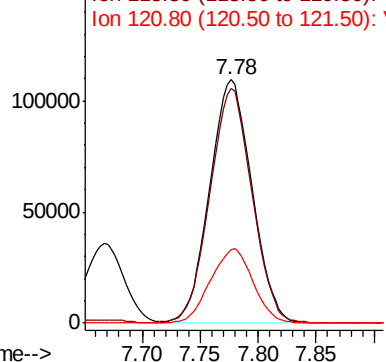


#38  
Carbon Tetrachloride  
Concen: 20.156 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 117 Resp: 276129  
Ion Ratio Lower Upper  
117 100  
119 96.5 77.1 115.7  
121 30.5 24.9 37.3



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

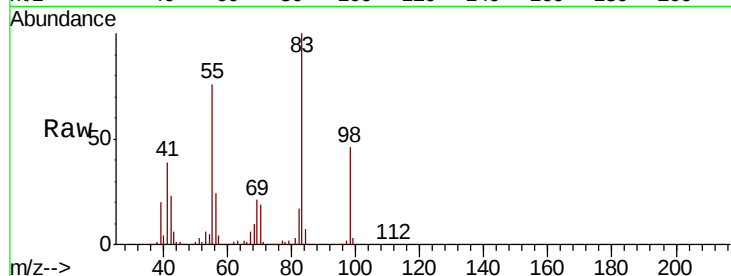




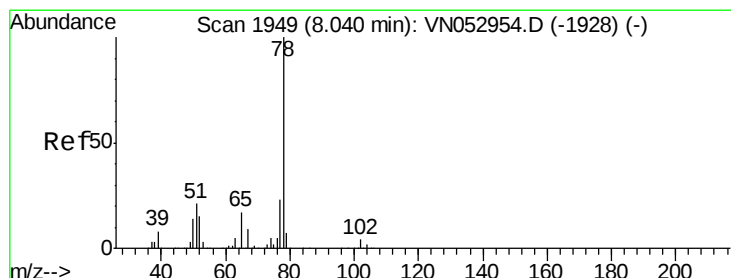
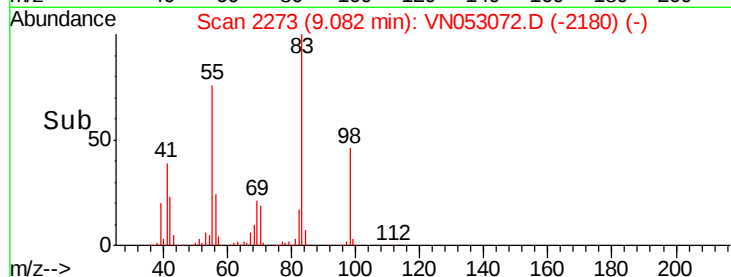
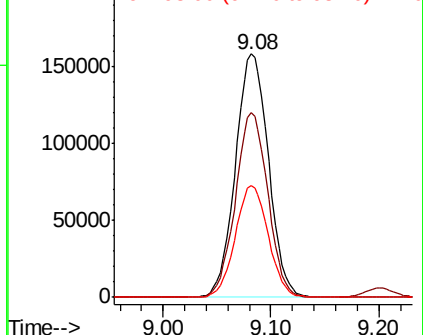
#39  
Methvlcvclohexane  
Concen: 18.548 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 83 Resp: 336780  
Ion Ratio Lower Upper  
83 100  
55 76.0 61.3 91.9  
98 46.0 37.0 55.4

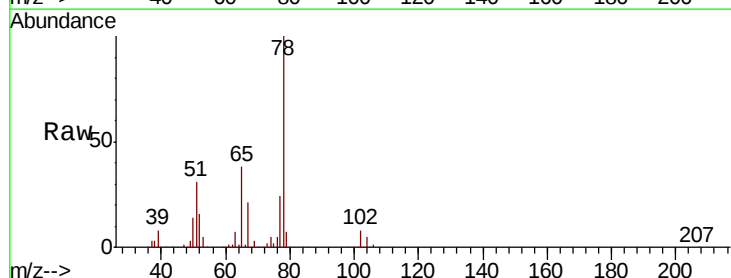


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

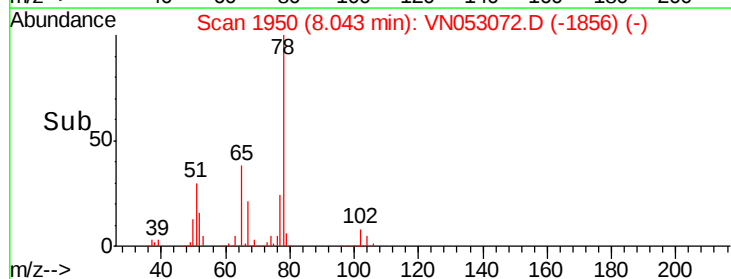
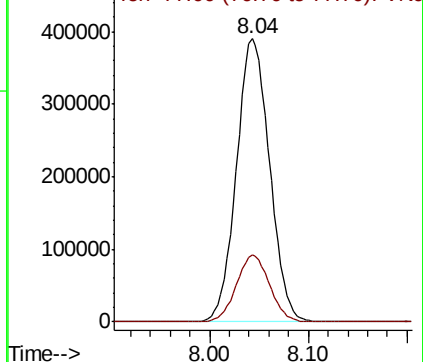


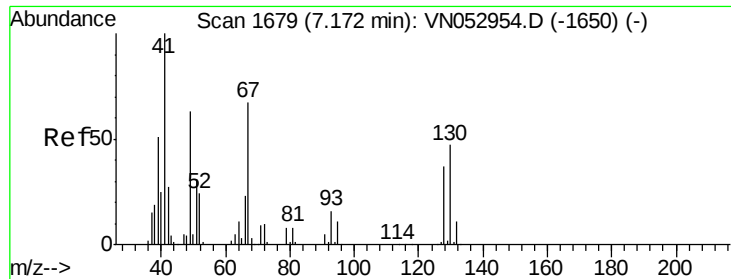
#40  
Benzene  
Concen: 20.429 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 78 Resp: 908203  
Ion Ratio Lower Upper  
78 100  
77 23.8 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0

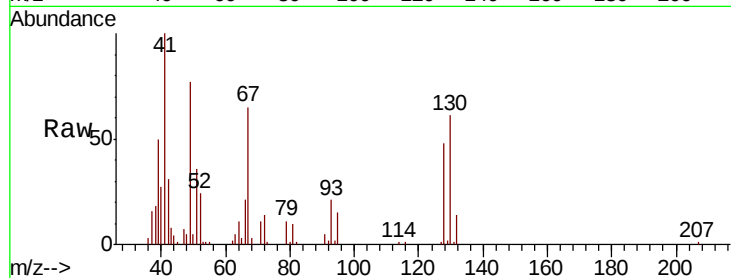




#41  
Methacrylonitrile  
Concen: 21.836 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Instrument :  
MSVOA\_N  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 105272 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 58.9  | 48.0  | 72.0   |
| 67       | 80.5  | 70.3  | 105.5  |
| 52       | 31.3  | 26.9  | 40.3   |



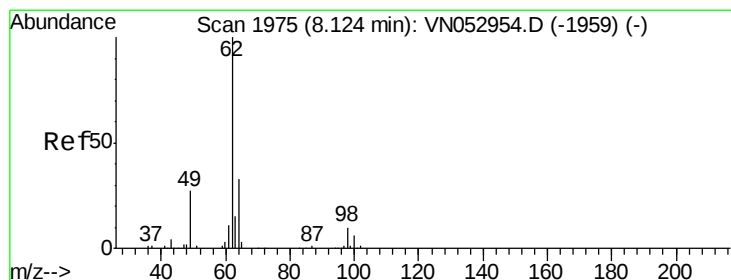
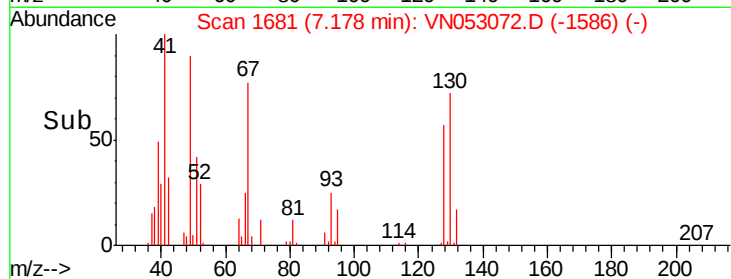
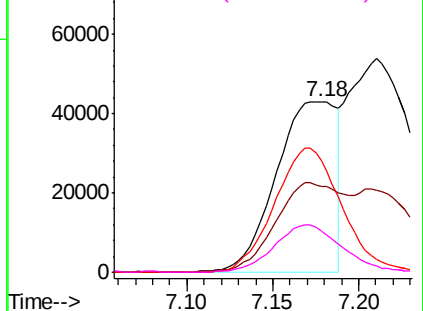
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

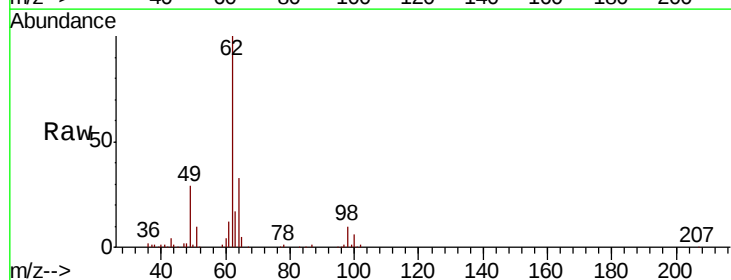
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42  
1,2-Dichloroethane  
Concen: 20.624 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

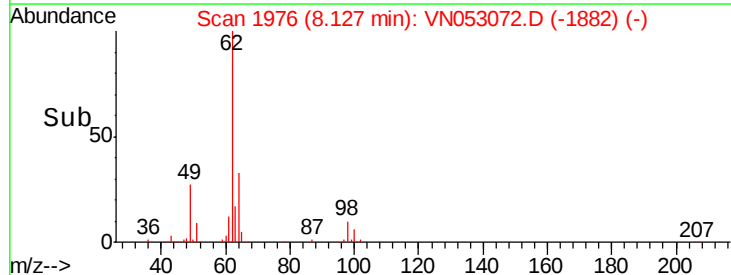
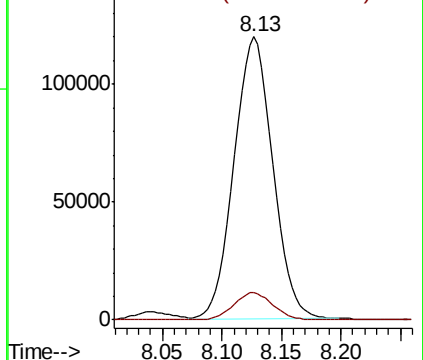
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 270861 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.7   | 0.0   | 19.0   |

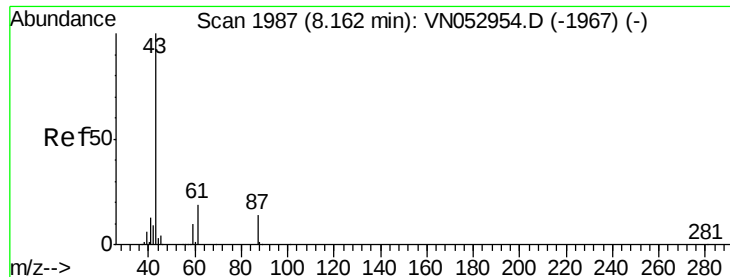


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.144 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampleId :

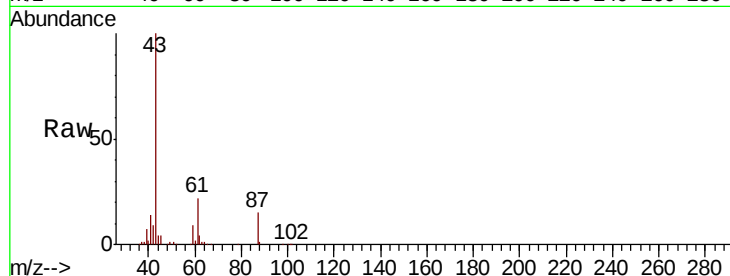
Tot Ion: 43 Resp: 335334

Ion Ratio Lower Upper

43 100

61 28.3 22.9 34.3

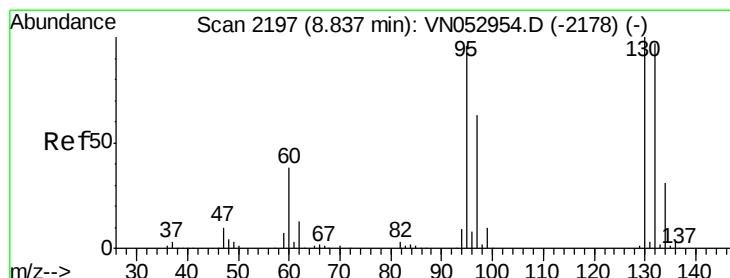
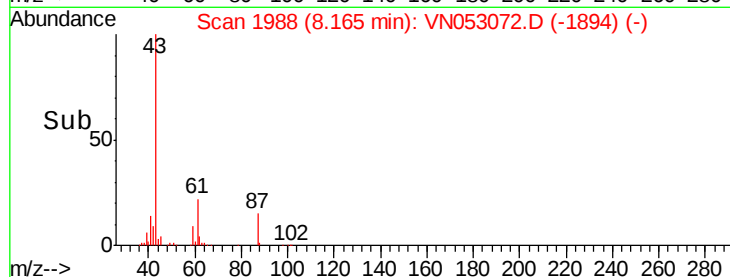
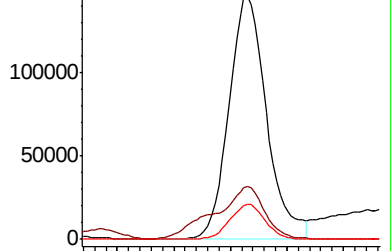
87 13.5 10.6 15.8



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

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

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



#44

Trichloroethene

Concen: 19.481 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053072.D

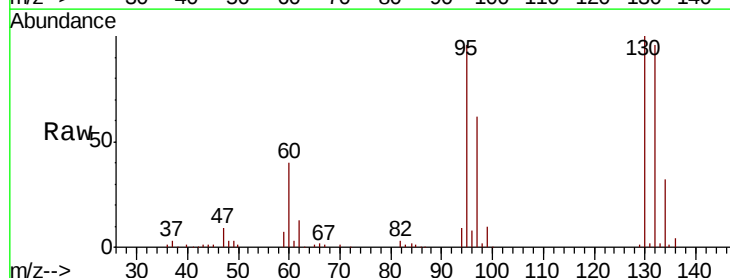
Acq: 20 Dec 2018 23:02

Tgt Ion:130 Resp: 250507

Ion Ratio Lower Upper

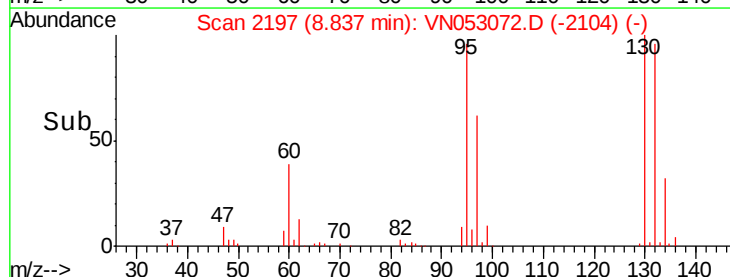
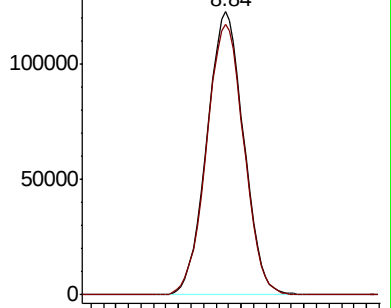
130 100

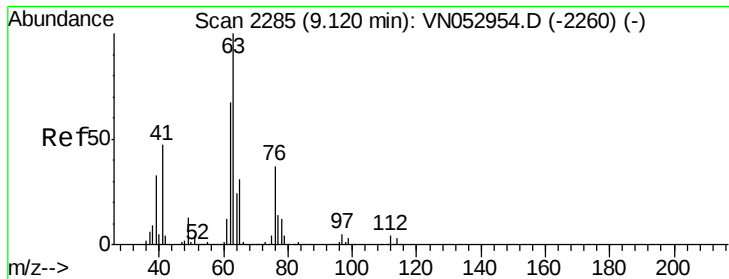
95 95.7 0.0 197.8



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

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





#45

1,2-Dichloropropane

Concen: 20.959 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

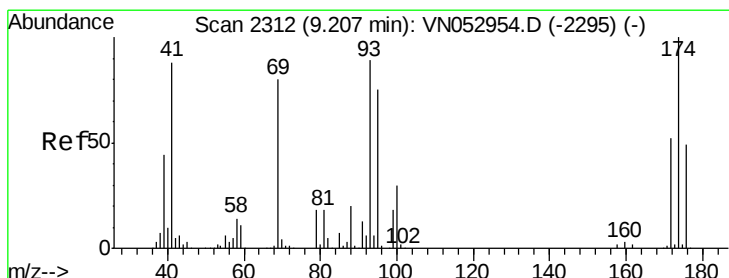
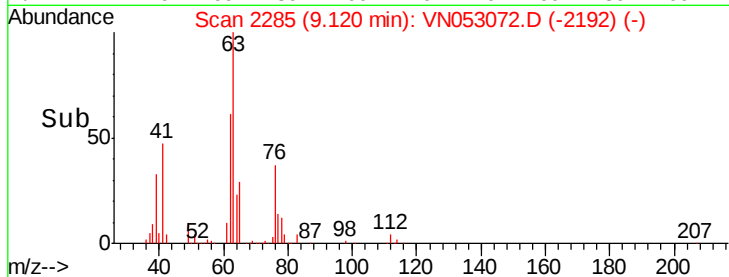
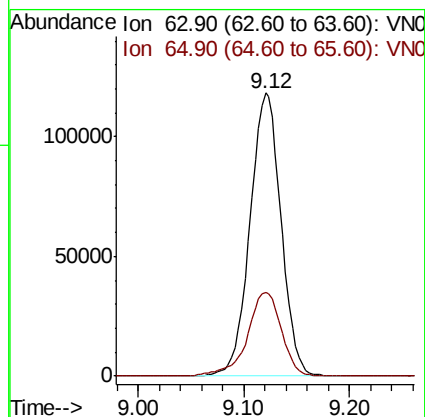
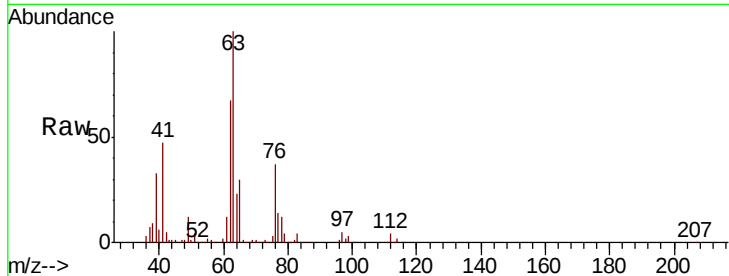
ClientSampleId :

Tot Ion: 63 Resp: 242707

Ion Ratio Lower Upper

63 100

65 29.6 24.6 37.0



#46

Dibromomethane

Concen: 20.432 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

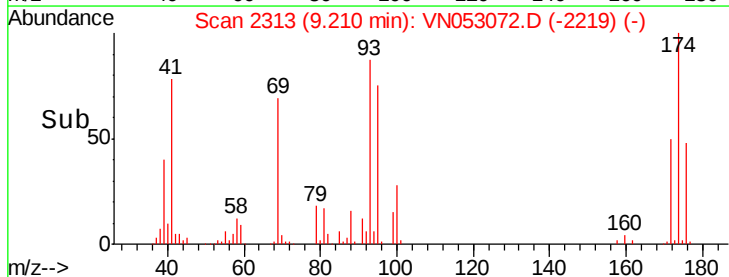
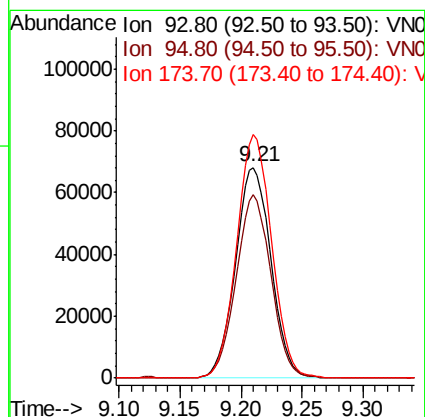
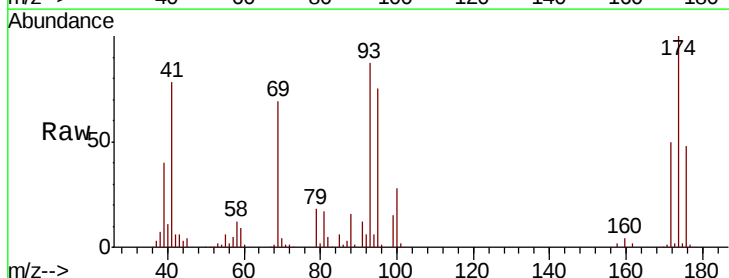
Tgt Ion: 93 Resp: 137827

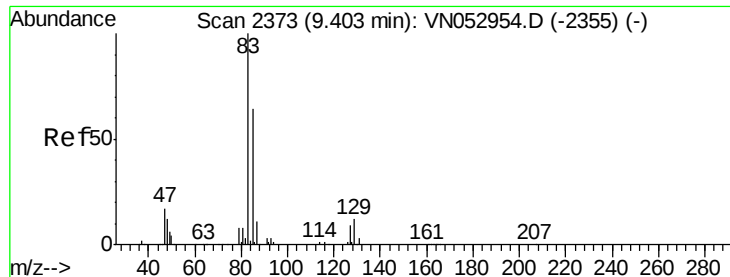
Ion Ratio Lower Upper

93 100

95 85.4 67.8 101.6

174 113.9 89.0 133.4





#47

Bromodichloromethane

Concen: 20.185 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampleId :

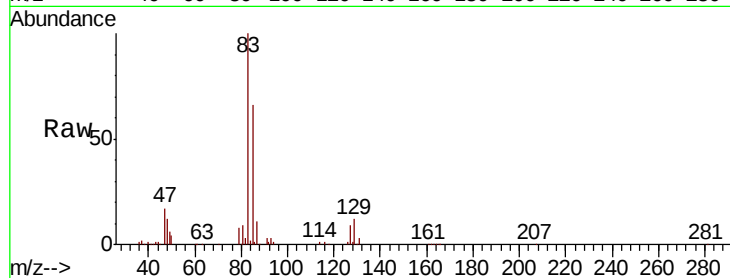
Tot Ion: 83 Resp: 289446

Ion Ratio Lower Upper

83 100

85 65.8 51.6 77.4

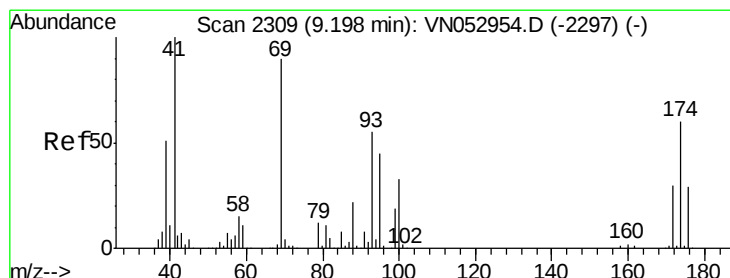
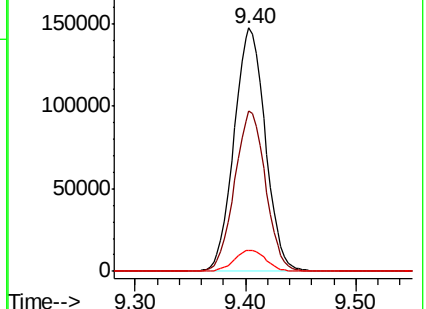
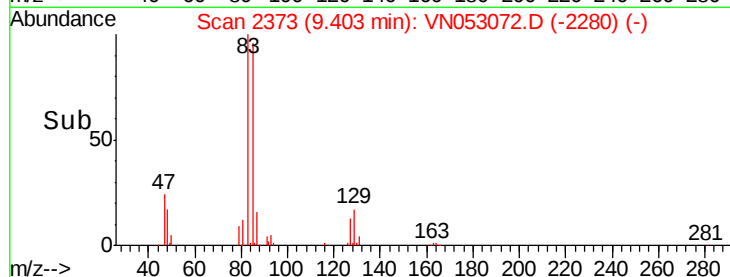
127 8.6 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053072.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053072.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053072.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.714 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

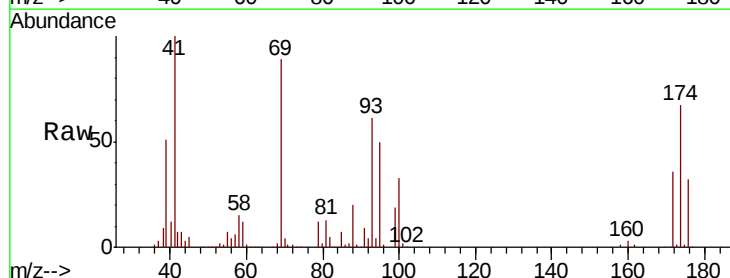
Tgt Ion: 41 Resp: 159614

Ion Ratio Lower Upper

41 100

69 92.0 72.2 108.2

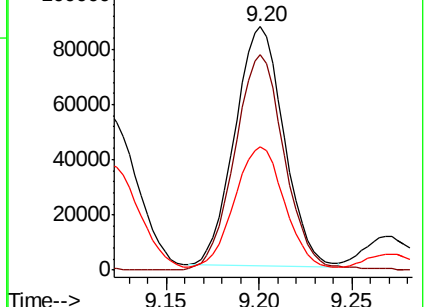
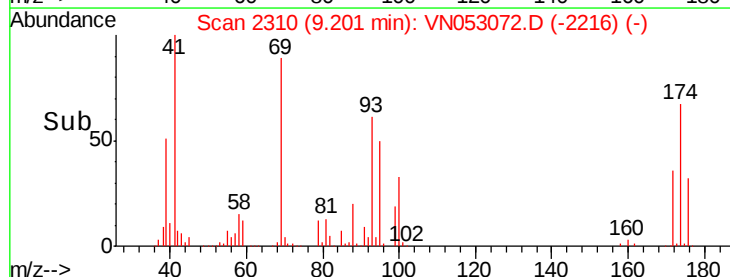
39 53.0 41.9 62.9

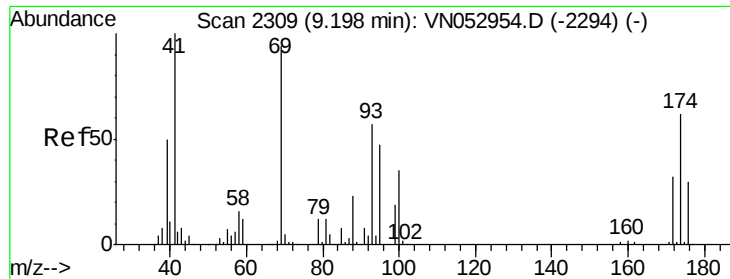


Abundance Ion 41.00 (40.70 to 41.70): VN053072.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053072.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053072.D (-2216) (-)

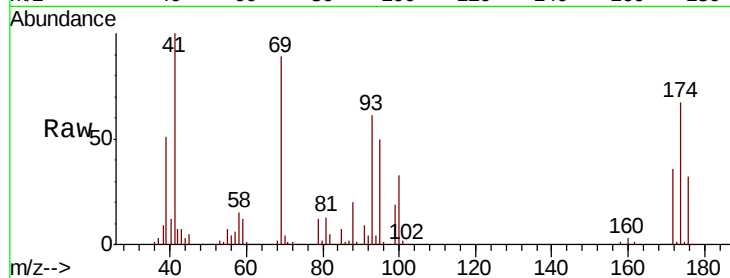




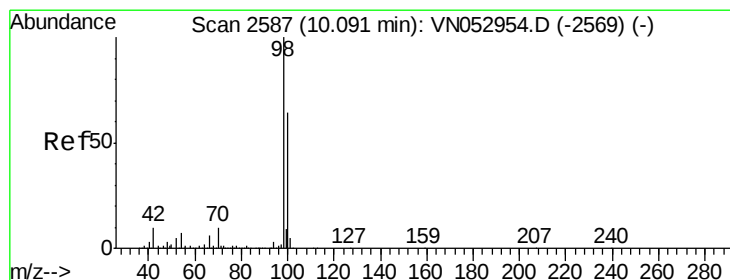
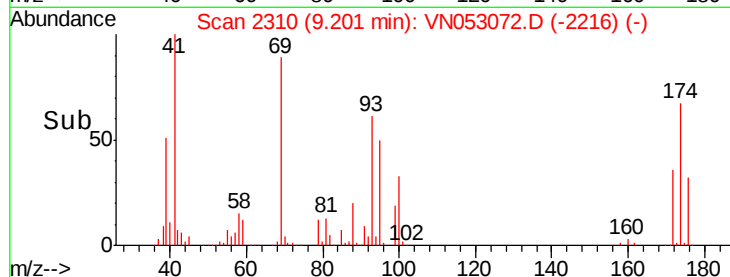
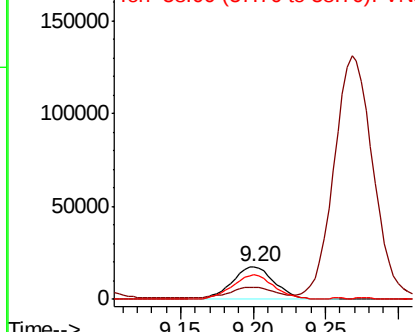
#49  
1,4-Dioxane  
Concen: 350.847 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion: 88 Resp: 35933  
Ion Ratio Lower Upper  
88 100  
43 32.6 26.6 40.0  
58 74.7 58.4 87.6

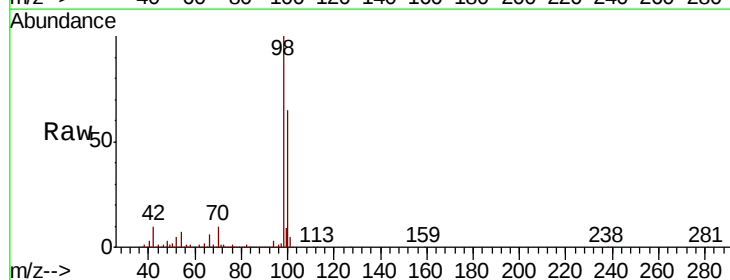


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

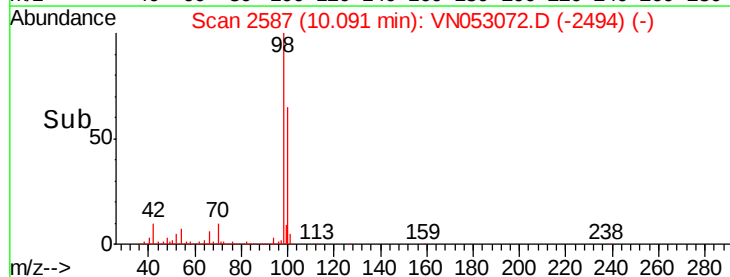
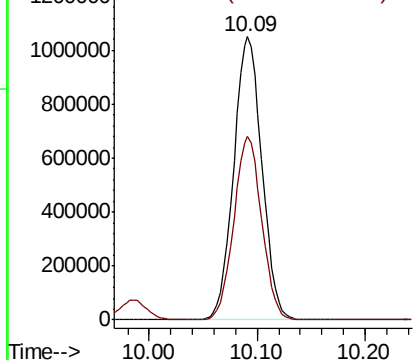


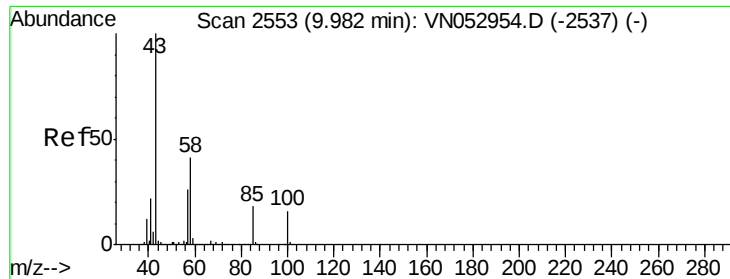
#50  
Toluene-d8  
Concen: 350.847 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 98 Resp: 1909063  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.6 77.4



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

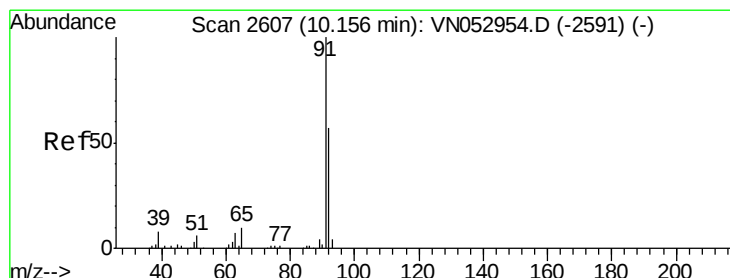
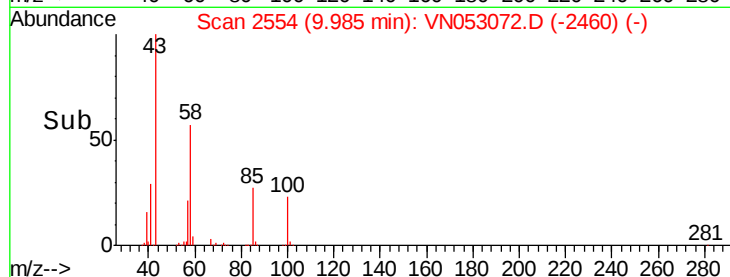
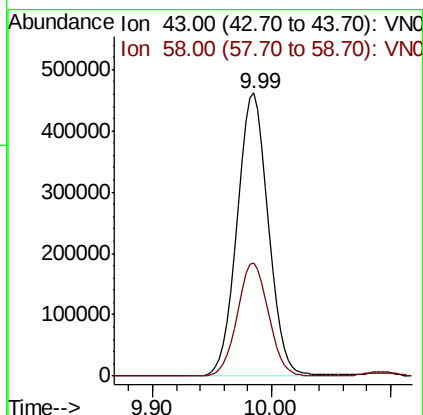
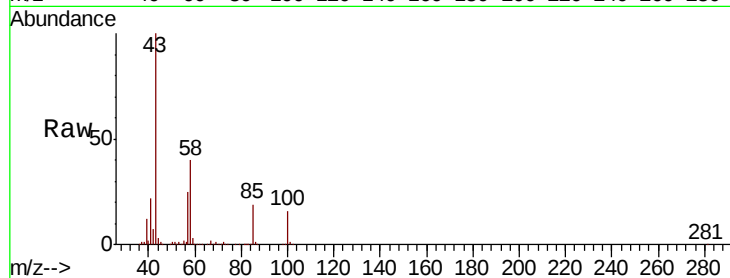




#51  
 4-Methyl-2-Pentanone  
 Concen: 103.224 ug/l  
 RT: 9.99 min Scan# 2554  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

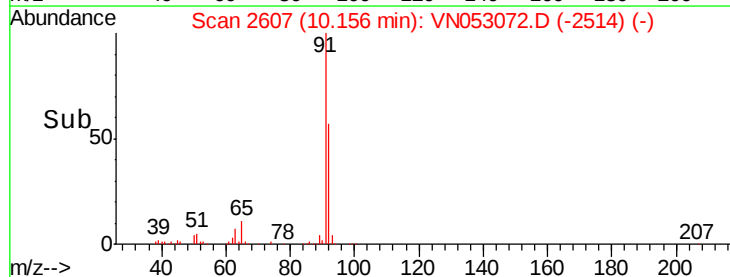
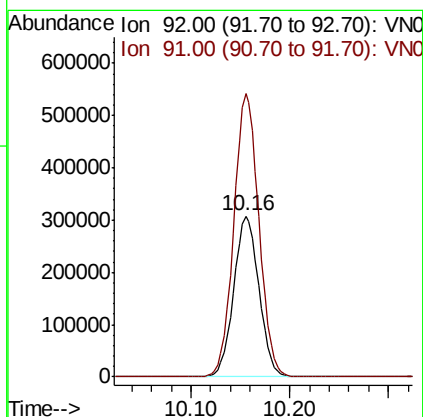
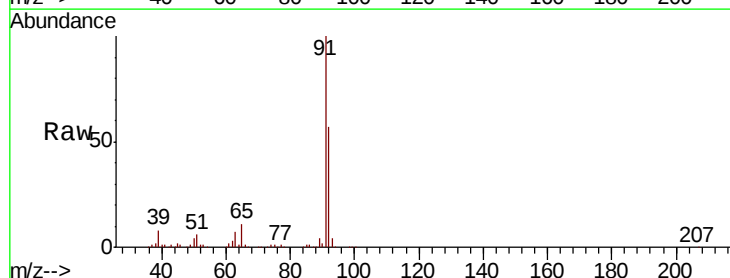
Instrument :  
 MSVOA\_N  
 ClientSampled :

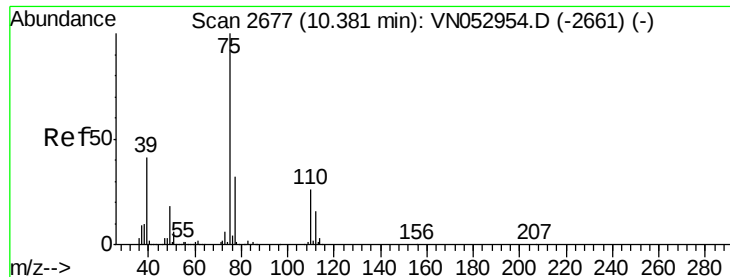
Tot Ion: 43 Resp: 834083  
 Ion Ratio Lower Upper  
 43 100  
 58 40.4 32.2 48.4



#52  
 Toluene  
 Concen: 19.842 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. -0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Tgt Ion: 92 Resp: 546755  
 Ion Ratio Lower Upper  
 92 100  
 91 174.8 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.709 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

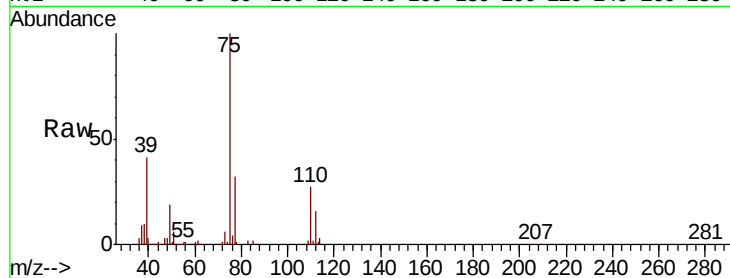
ClientSampleId :

Tot Ion: 75 Resp: 282106

Ion Ratio Lower Upper

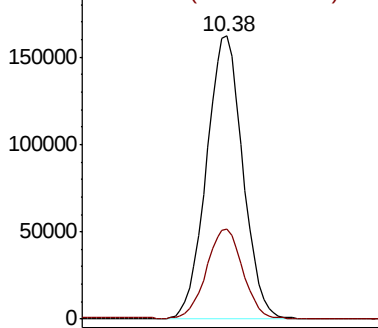
75 100

77 31.7 25.6 38.4

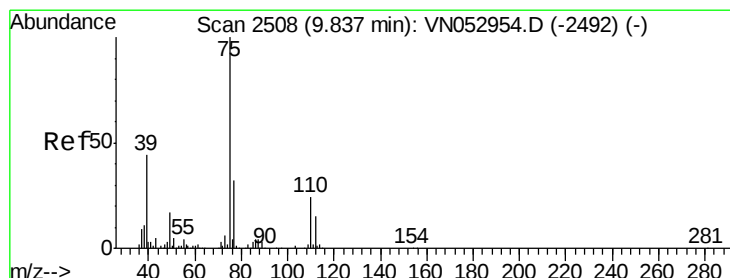
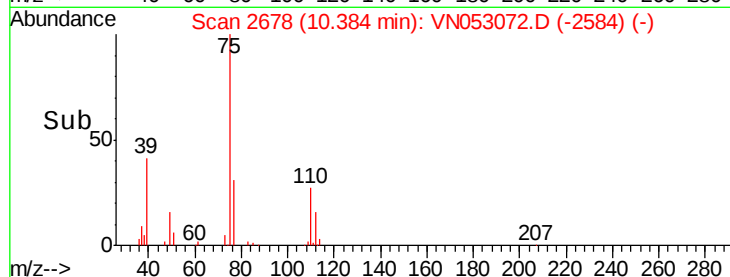


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.847 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

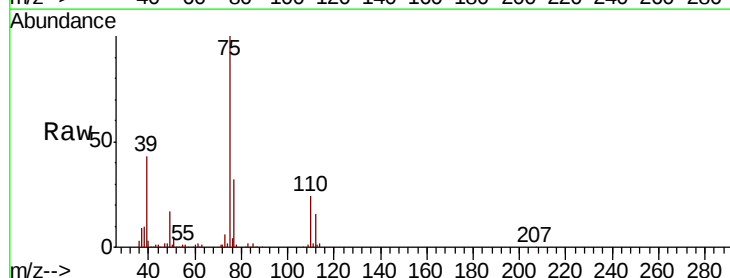
Tgt Ion: 75 Resp: 343501

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

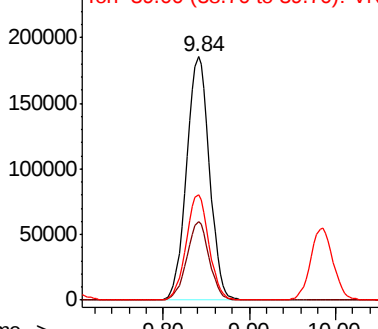
39 43.2 34.8 52.2



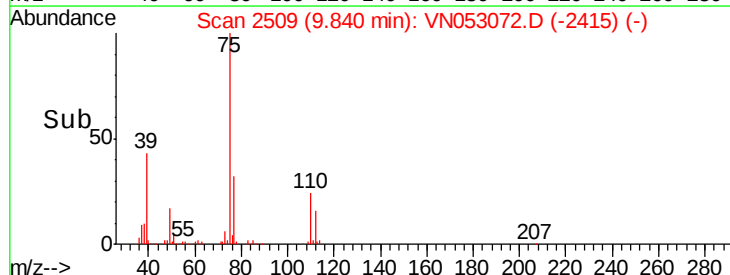
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

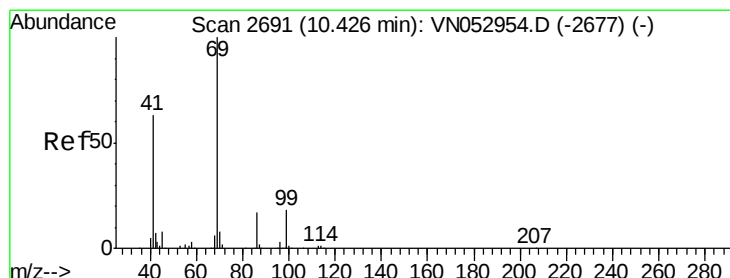
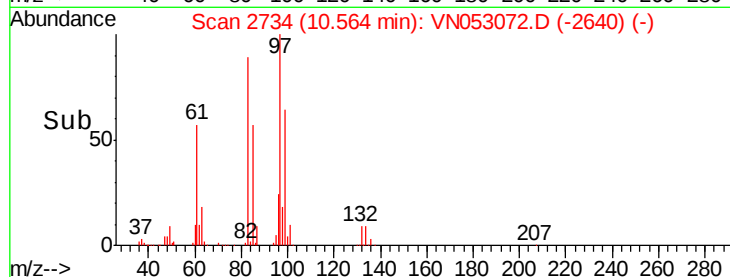
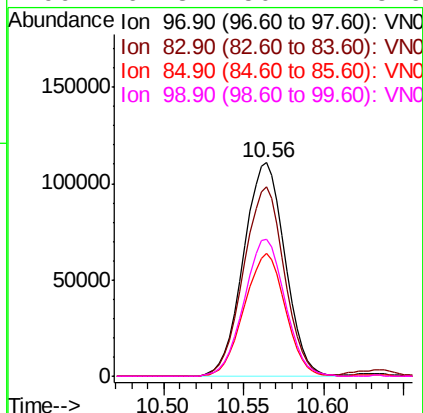
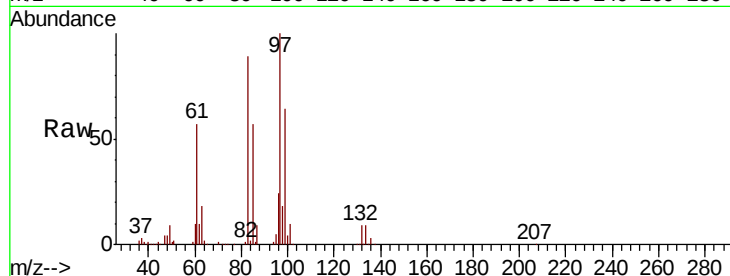




#55  
 1,1,2-Trichloroethane  
 Concen: 20.468 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

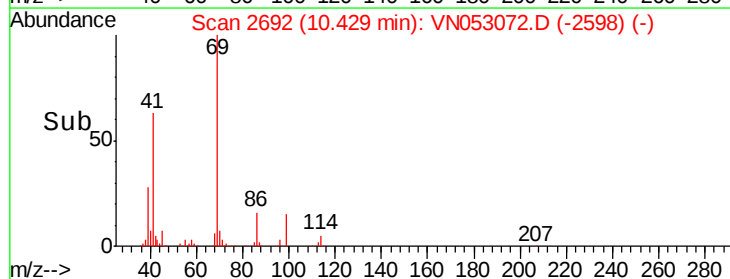
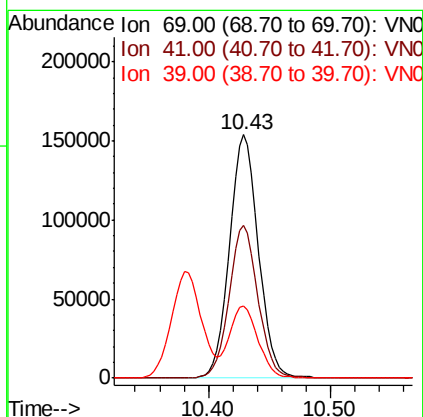
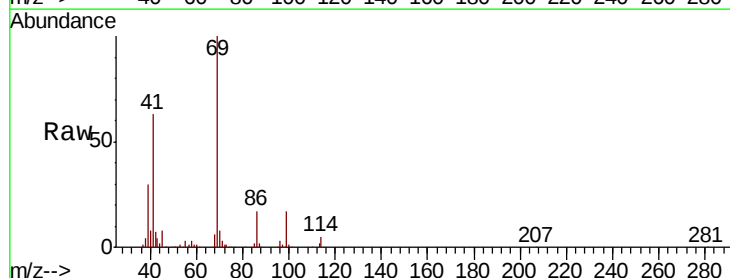
Instrument :  
 MSVOA\_N  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 196769 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.5  | 70.9  | 106.3  |
| 85       | 57.5  | 45.4  | 68.2   |
| 99       | 64.3  | 50.4  | 75.6   |



#56  
 Ethyl methacrylate  
 Concen: 19.960 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 253979 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.8  | 51.7  | 77.5   |
| 39       | 29.4  | 24.6  | 37.0   |





#57

1,3-Dichloropropane

Concen: 20.420 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

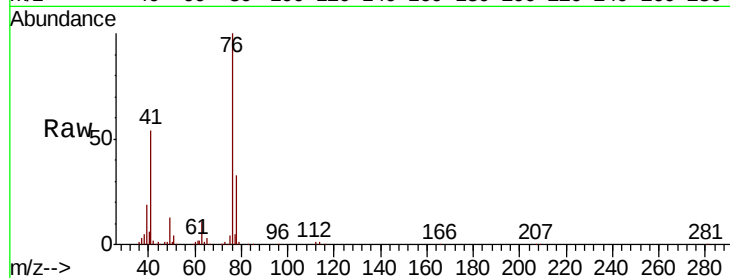
ClientSampled :

Tot Ion: 76 Resp: 336637

Ion Ratio Lower Upper

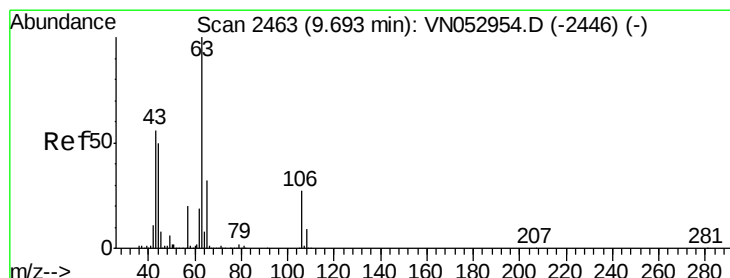
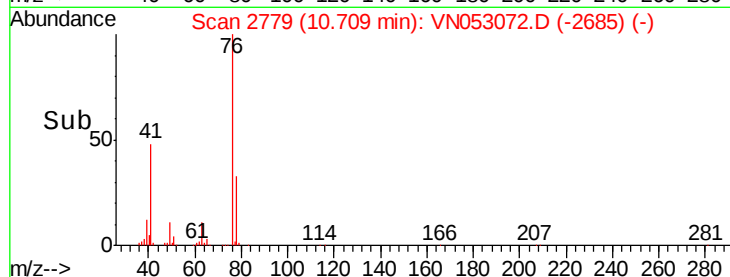
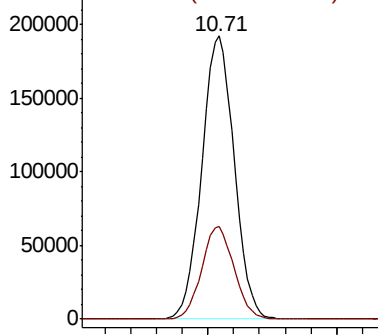
76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 102.099 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053072.D

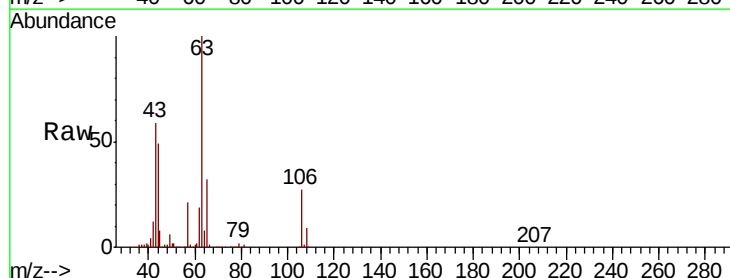
Acq: 20 Dec 2018 23:02

Tgt Ion: 63 Resp: 713223

Ion Ratio Lower Upper

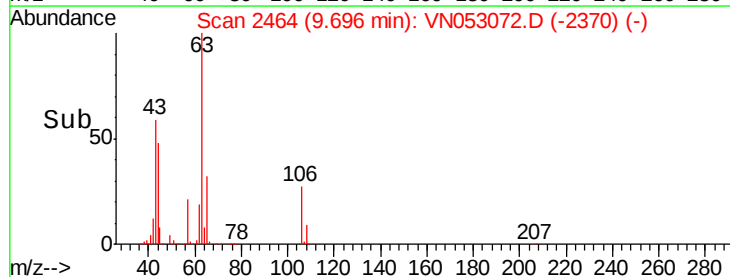
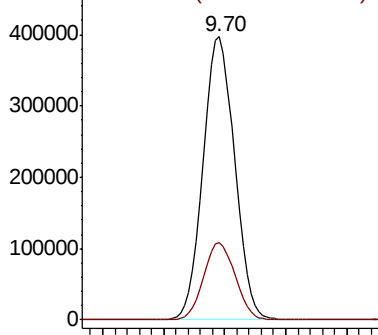
63 100

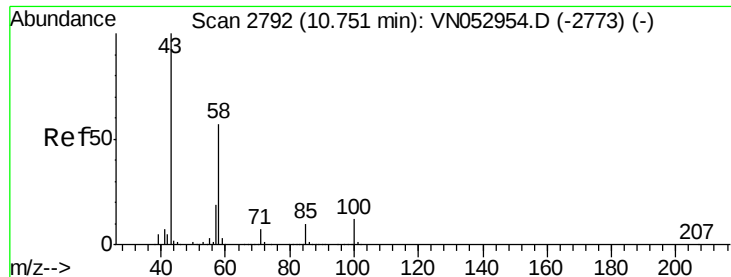
106 27.3 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

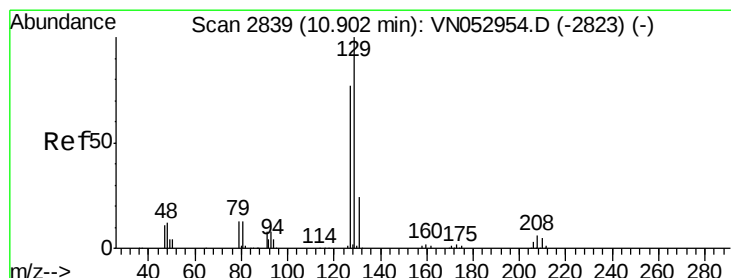
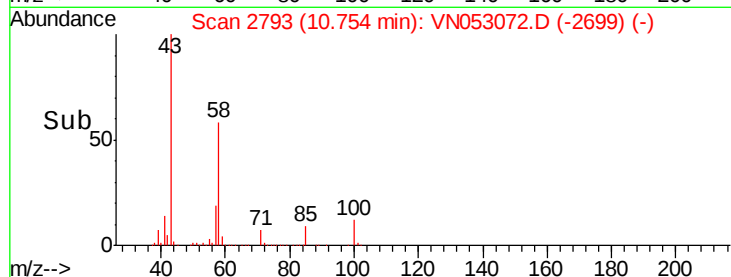
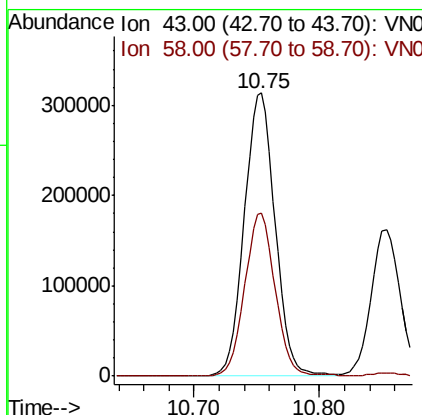
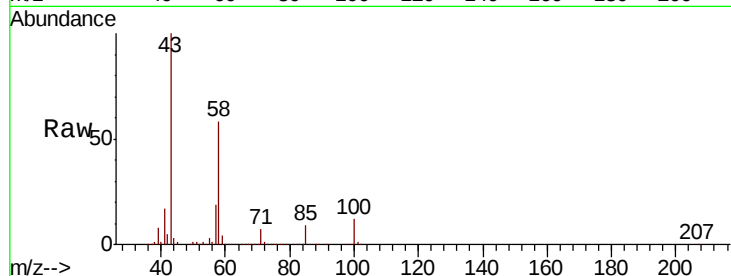




#59  
2-Hexanone  
Concen: 97.753 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

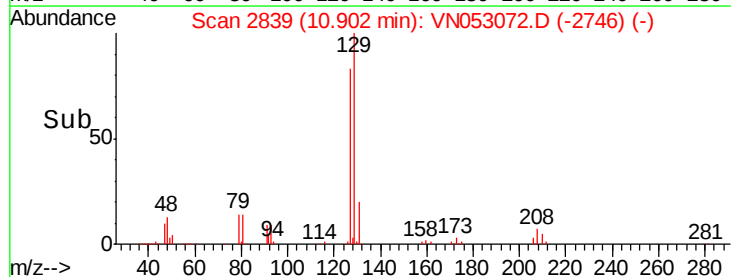
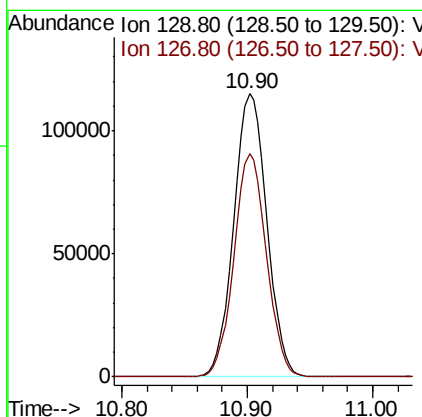
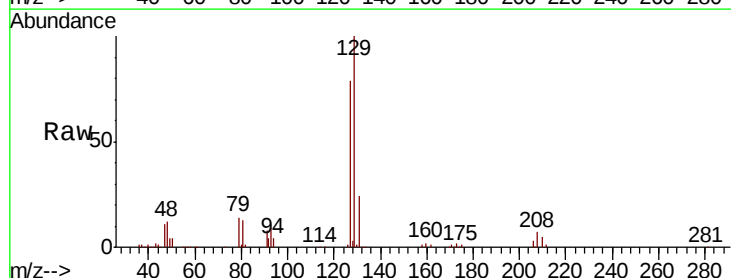
Instrument :  
MSVOA\_N  
ClientSampled :

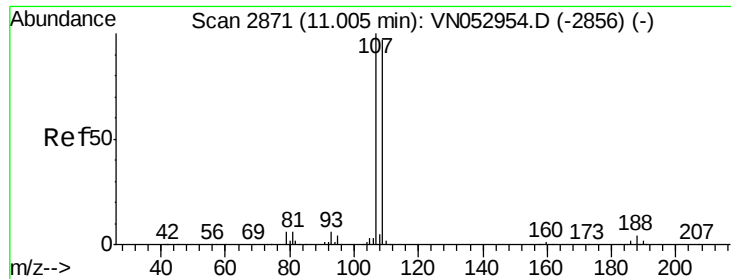
Tot Ion: 43 Resp: 534415  
Ion Ratio Lower Upper  
43 100  
58 57.1 28.1 84.3



#60  
Dibromochloromethane  
Concen: 19.183 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 129 Resp: 211099  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.6 116.0

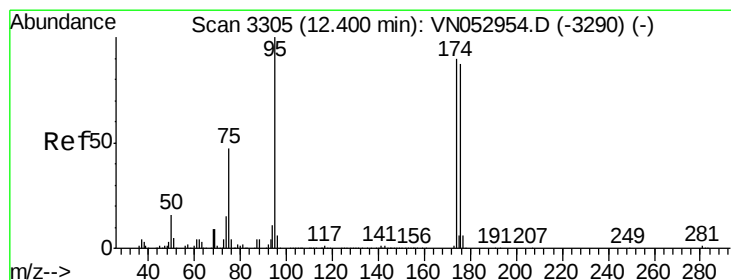
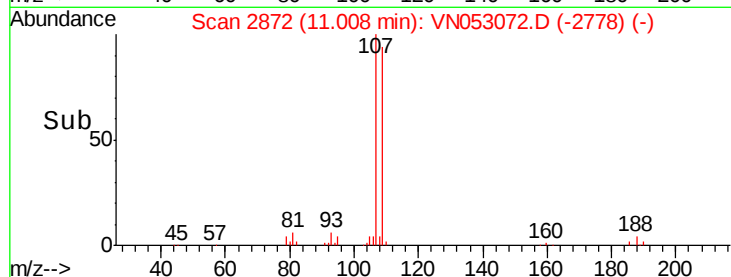
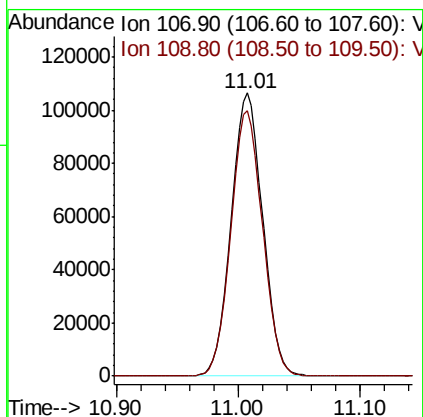
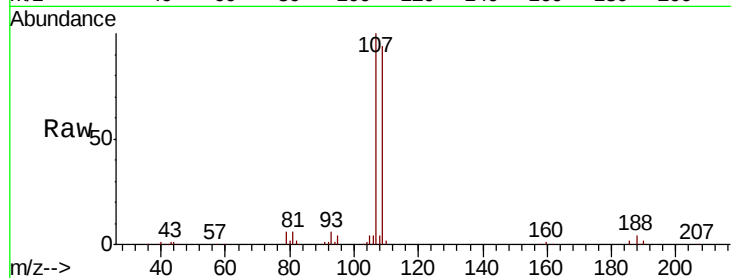




#61  
 1,2-Dibromoethane  
 Concen: 19.514 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

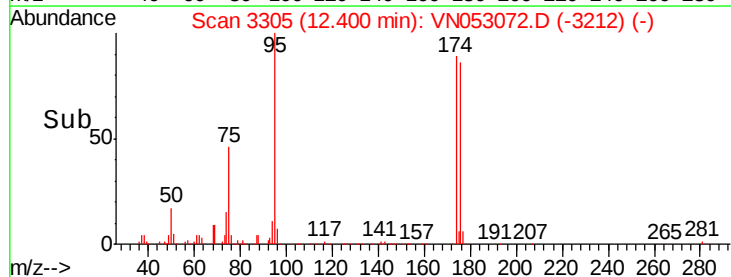
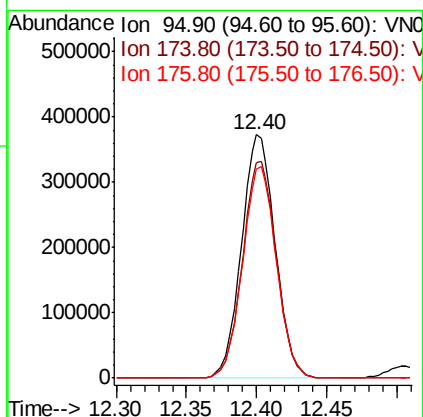
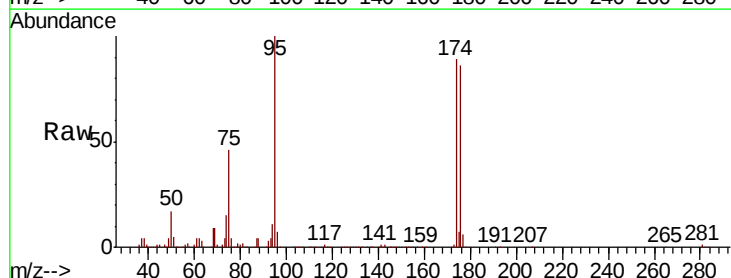
Instrument :  
 MSVOA\_N  
 ClientSampleId :

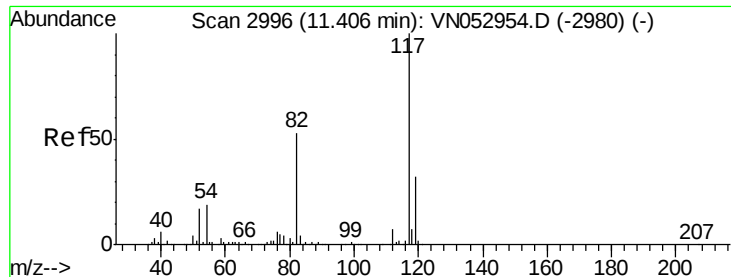
Tot Ion: 107 Resp: 190527  
 Ion Ratio Lower Upper  
 107 100  
 109 94.7 75.4 113.0



#62  
 4-Bromofluorobenzene  
 Concen: 19.514 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Tgt Ion: 95 Resp: 622025  
 Ion Ratio Lower Upper  
 95 100  
 174 89.9 0.0 178.8  
 176 87.4 0.0 173.8

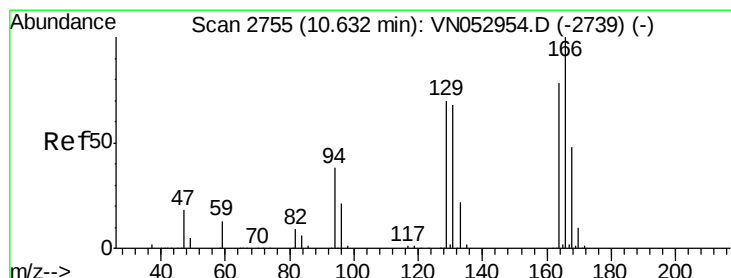
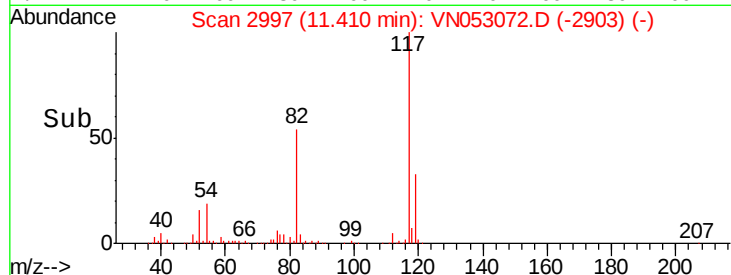
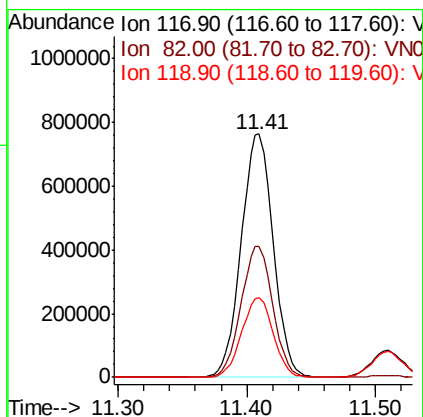
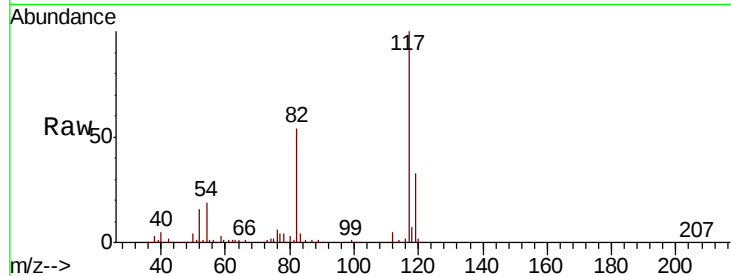




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

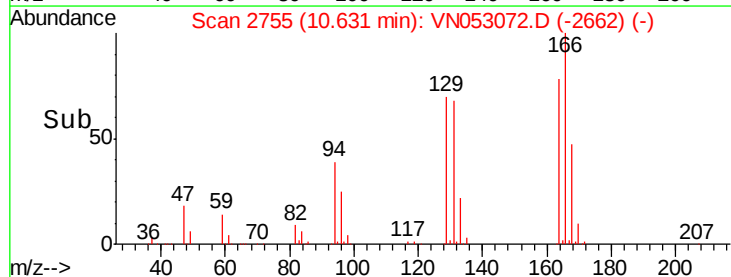
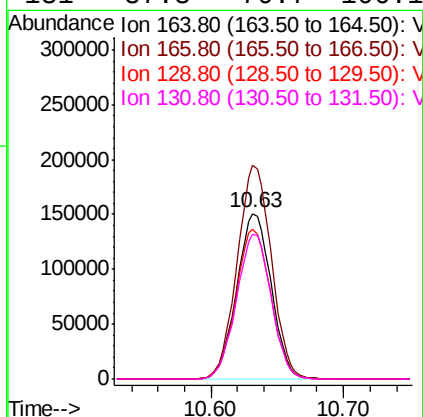
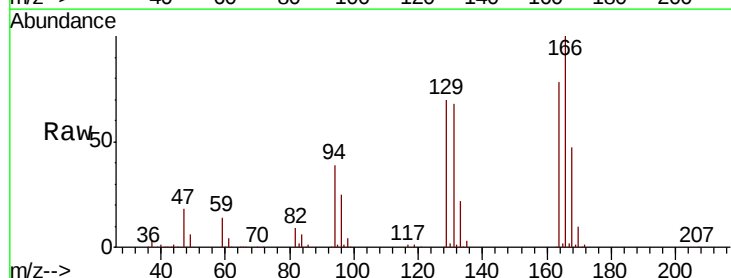
Instrument :  
MSVOA\_N  
ClientSampled :

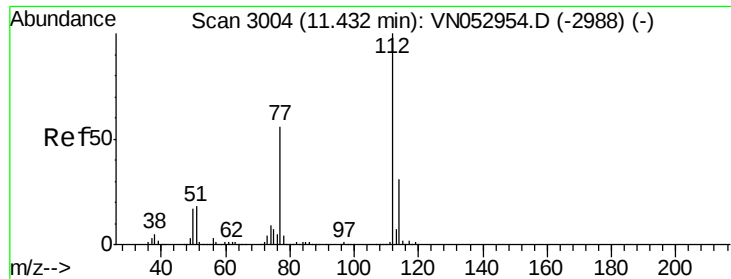
Tot Ion:117 Resp: 1320387  
Ion Ratio Lower Upper  
117 100  
82 53.7 42.8 64.2  
119 32.8 25.5 38.3



#64  
Tetrachloroethene  
Concen: 19.055 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion:164 Resp: 272545  
Ion Ratio Lower Upper  
164 100  
166 128.9 102.9 154.3  
129 90.7 73.7 110.5  
131 87.3 70.7 106.1

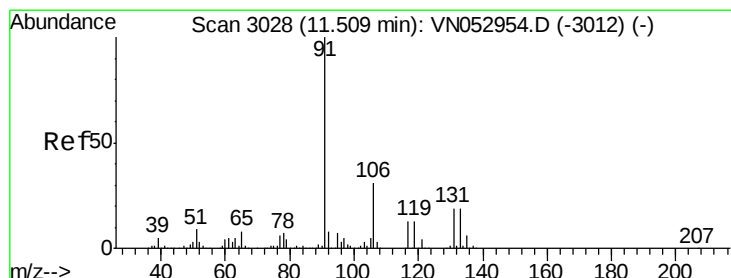
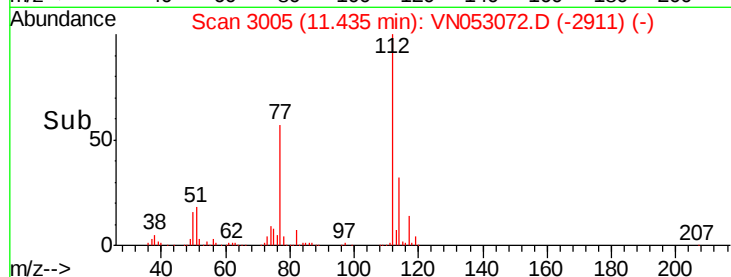
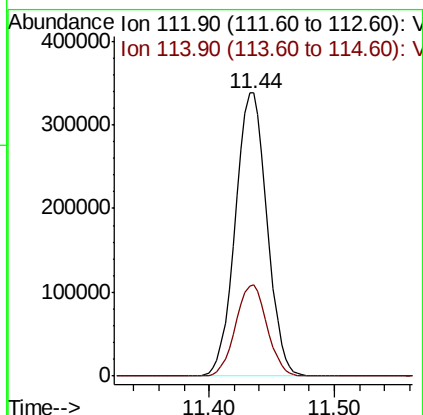
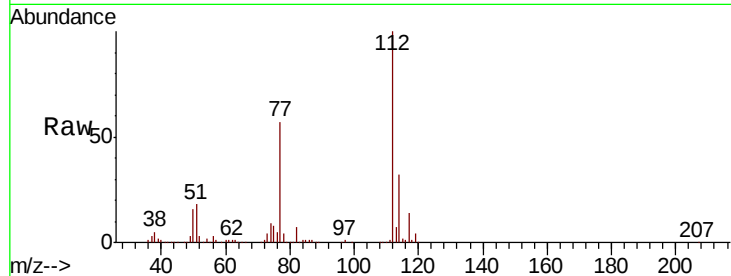




#65  
Chlorobenzene  
Concen: 20.245 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

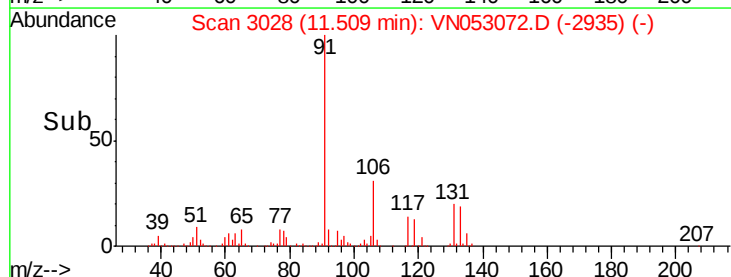
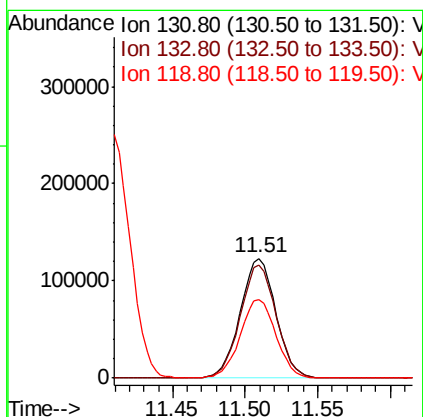
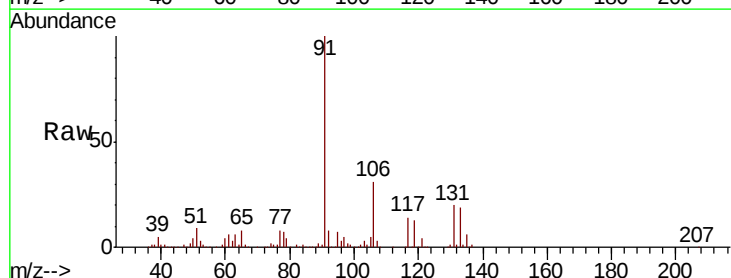
Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:112 Resp: 592544  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.724 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion:131 Resp: 210935  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.6 142.9  
119 65.7 33.3 99.8

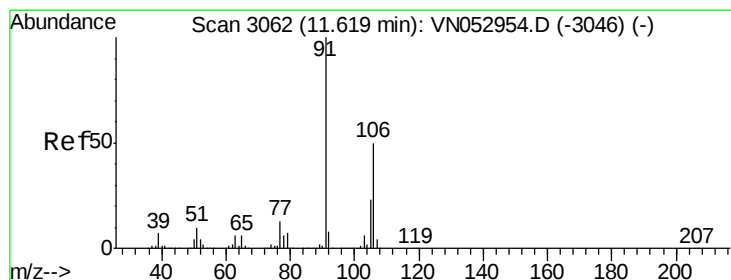
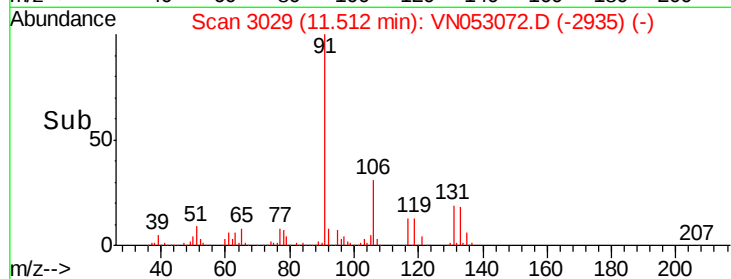
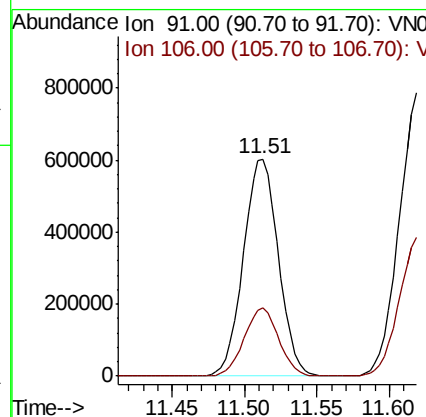
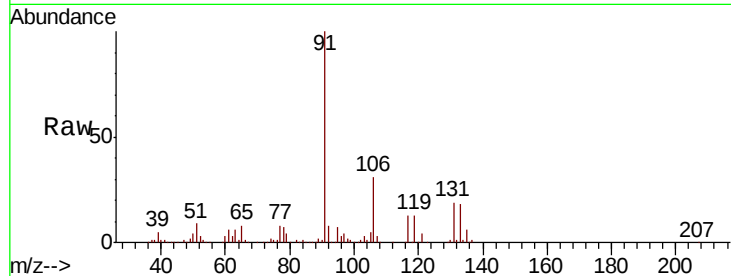




#67  
Ethyl Benzene  
Concen: 20.091 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

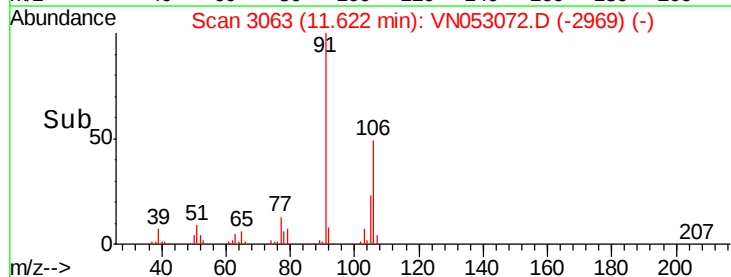
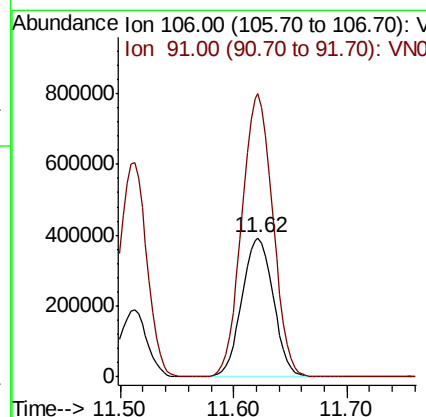
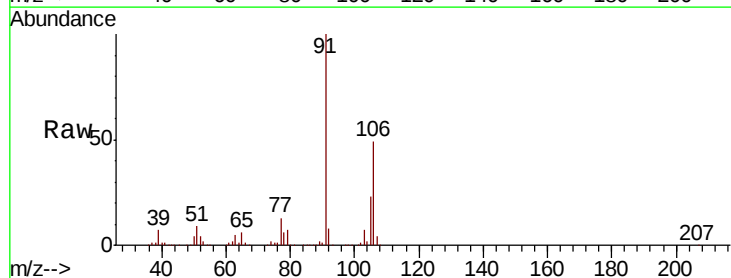
Instrument :  
MSVOA\_N  
ClientSampled :

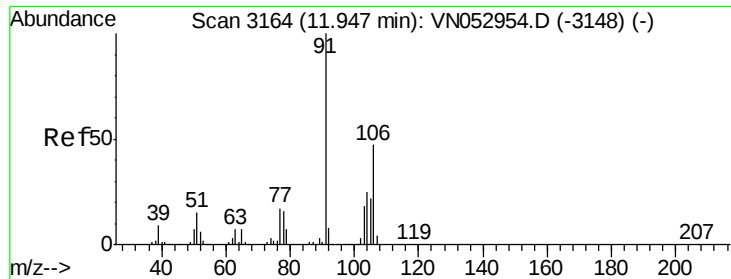
Tot Ion: 91 Resp: 1011305  
Ion Ratio Lower Upper  
91 100  
106 31.3 24.9 37.3



#68  
m/p-Xylenes  
Concen: 39.585 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 106 Resp: 757478  
Ion Ratio Lower Upper  
106 100  
91 201.6 162.2 243.4

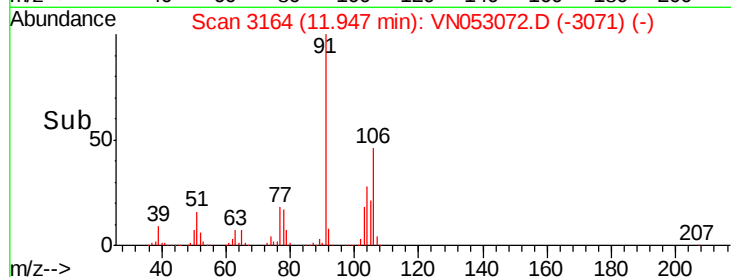
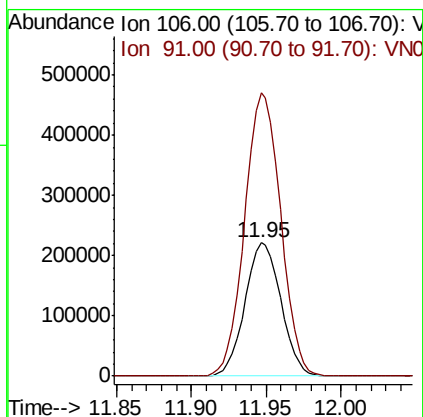
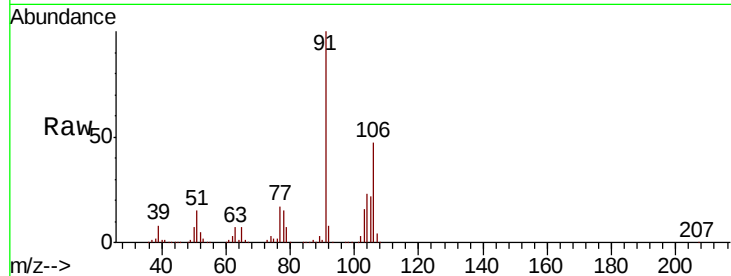




#69  
o-Xylene  
Concen: 20.174 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

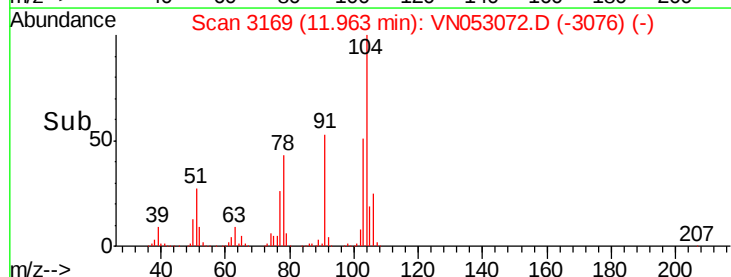
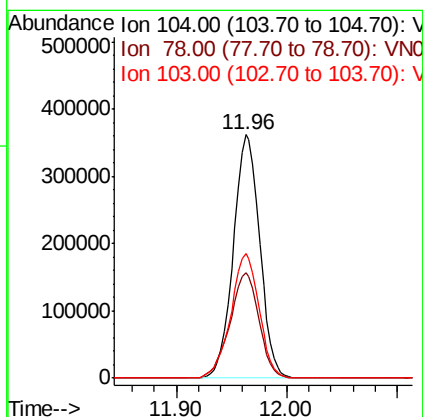
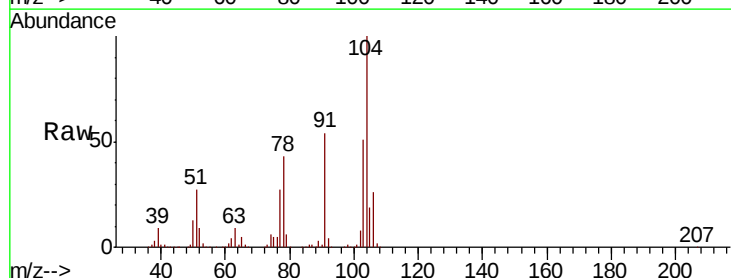
Instrument :  
MSVOA\_N  
ClientSampled :

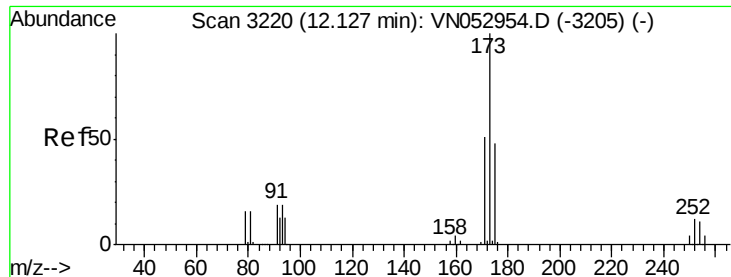
Tot Ion:106 Resp: 370430  
Ion Ratio Lower Upper  
106 100  
91 213.0 106.6 319.8



#70  
Styrene  
Concen: 20.028 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion:104 Resp: 599654  
Ion Ratio Lower Upper  
104 100  
78 47.6 38.9 58.3  
103 54.9 44.3 66.5





#71

Bromoform

Concen: 18.435 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampleId :

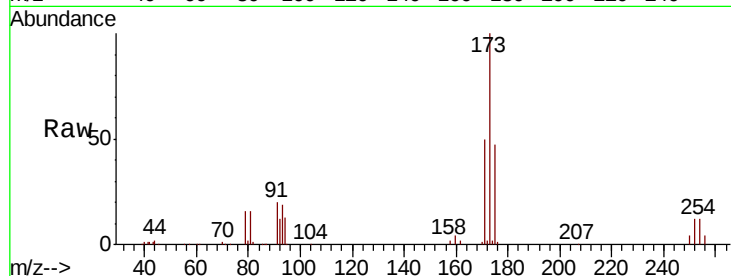
Tot Ion:173 Resp: 135552

Ion Ratio Lower Upper

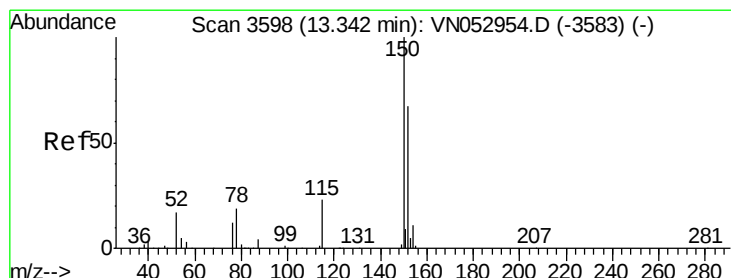
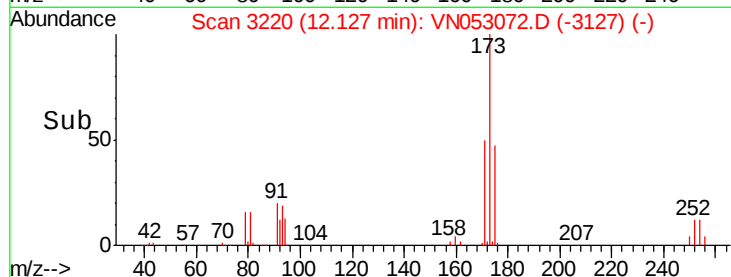
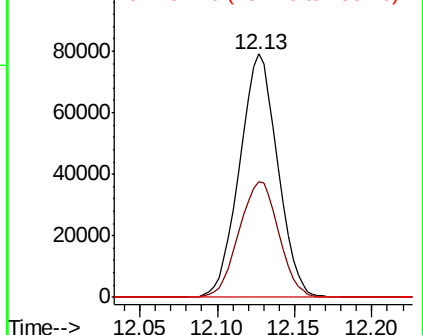
173 100

175 49.5 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

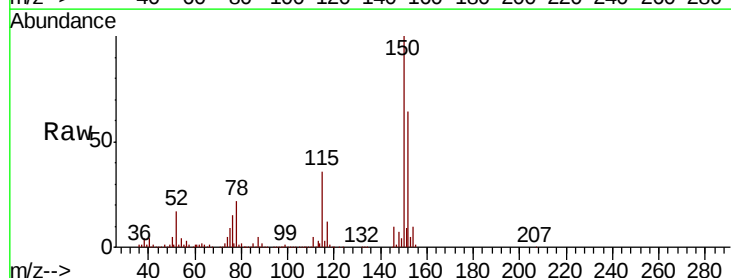
Tgt Ion:152 Resp: 576609

Ion Ratio Lower Upper

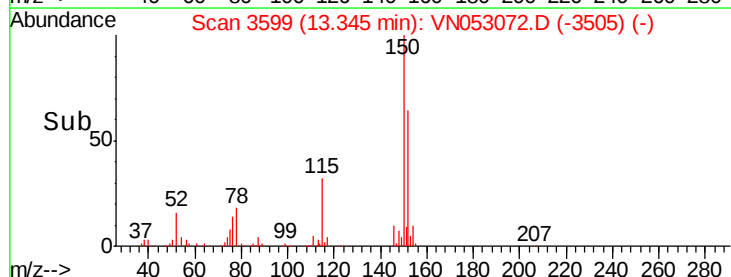
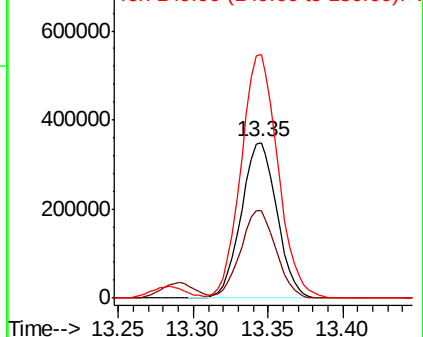
152 100

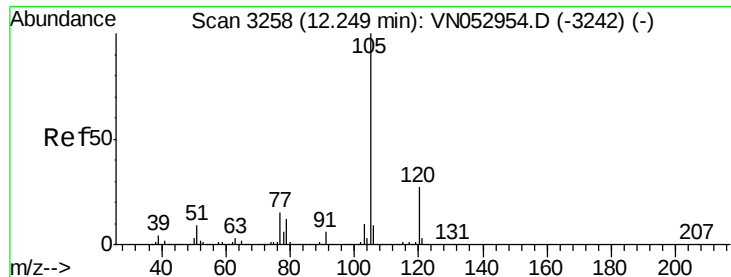
115 55.9 28.3 85.0

150 162.9 0.0 347.8



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





#73

Isopropylbenzene

Concen: 21.649 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

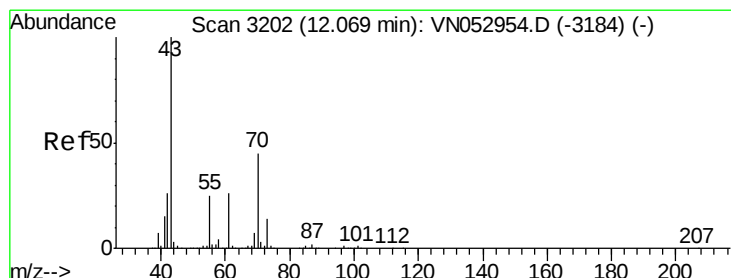
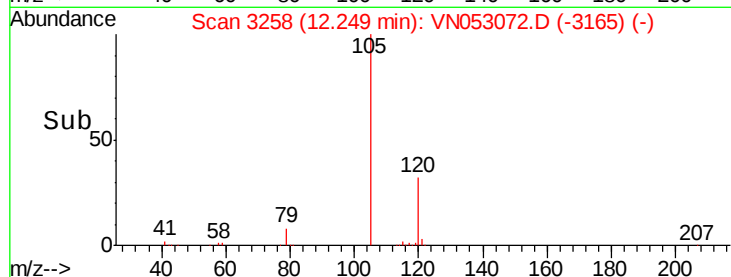
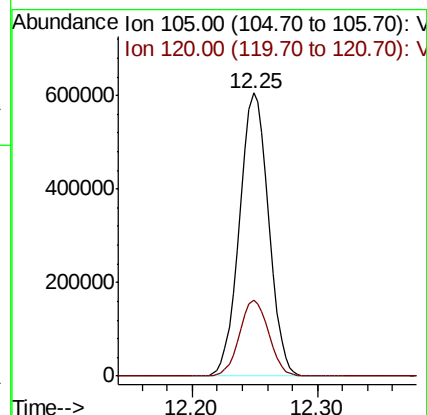
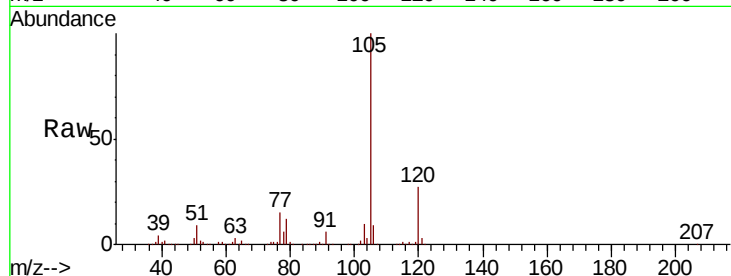
ClientSampled :

Tot Ion:105 Resp: 976699

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 21.177 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Tgt Ion: 43 Resp: 265247

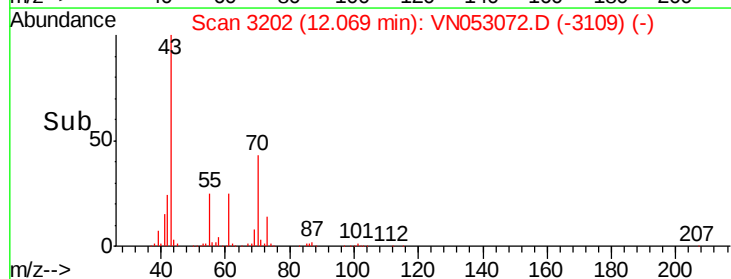
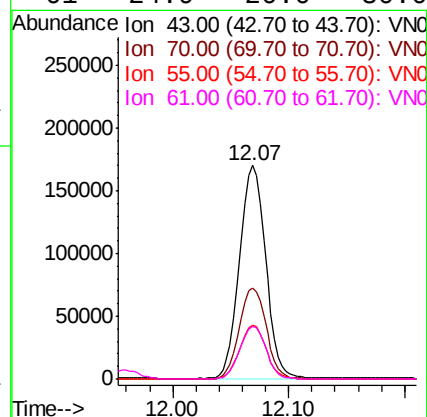
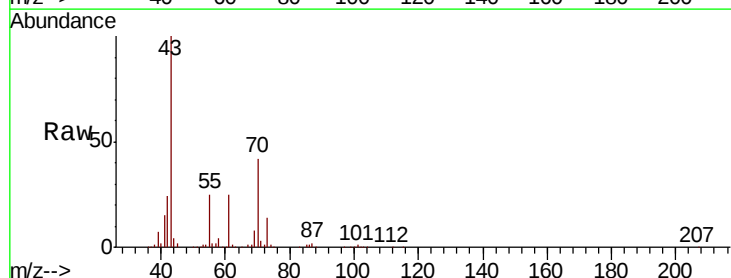
Ion Ratio Lower Upper

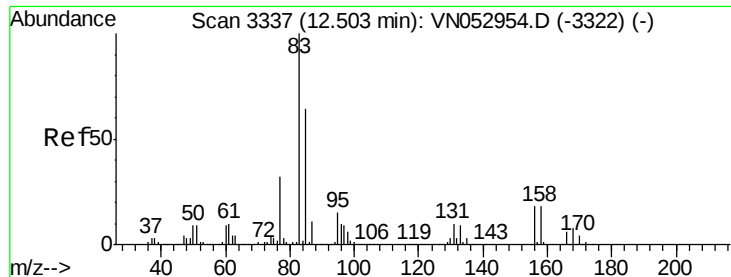
43 100

70 43.9 34.2 51.4

55 25.5 20.3 30.5

61 24.9 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.300 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampleId :

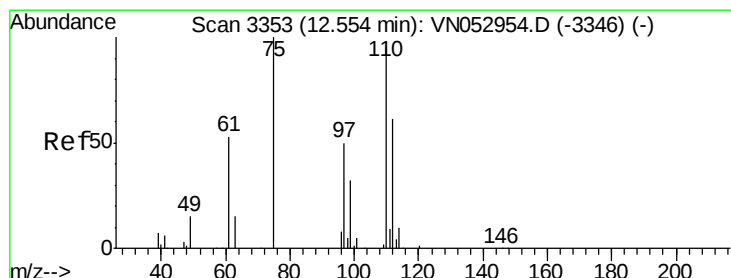
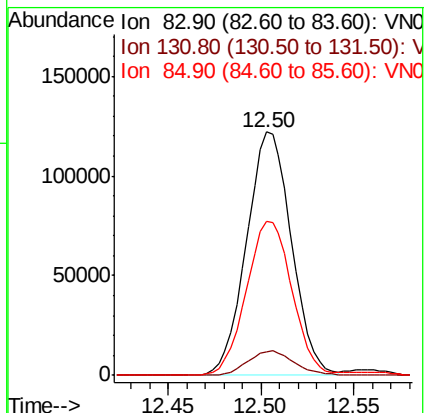
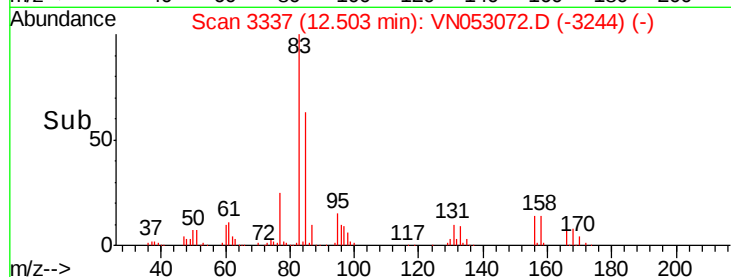
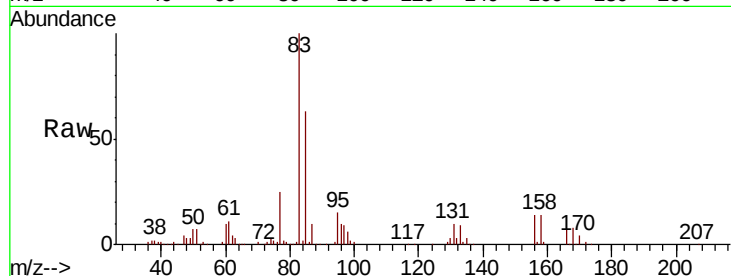
Tot Ion: 83 Resp: 206221

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 64.4 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 27.574 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053072.D

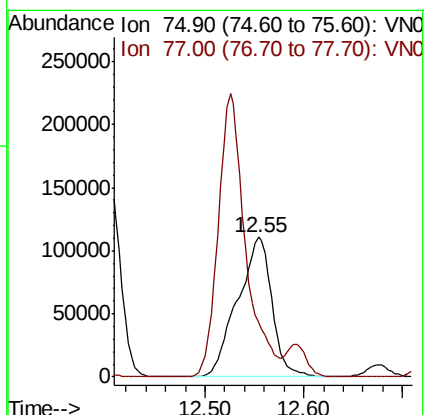
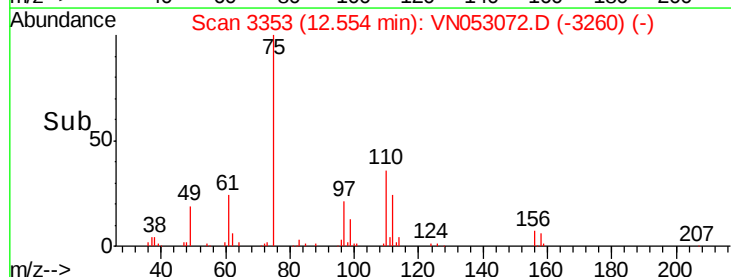
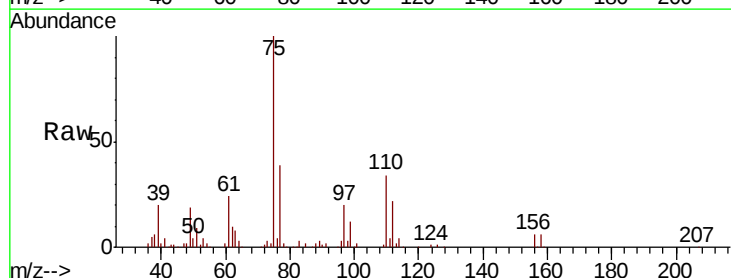
Acq: 20 Dec 2018 23:02

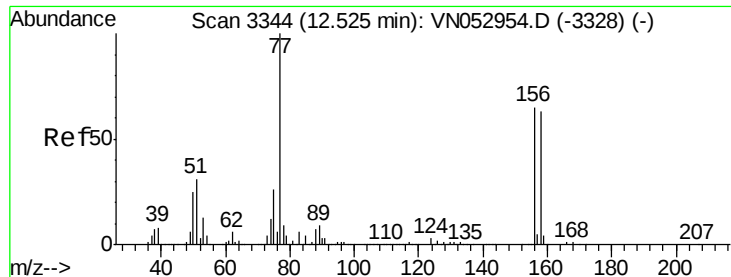
Tgt Ion: 75 Resp: 267652

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.842 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampled :

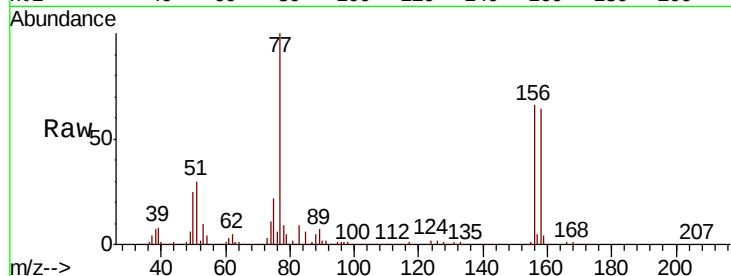
Tot Ion:156 Resp: 244421

Ion Ratio Lower Upper

156 100

77 179.0 91.3 273.8

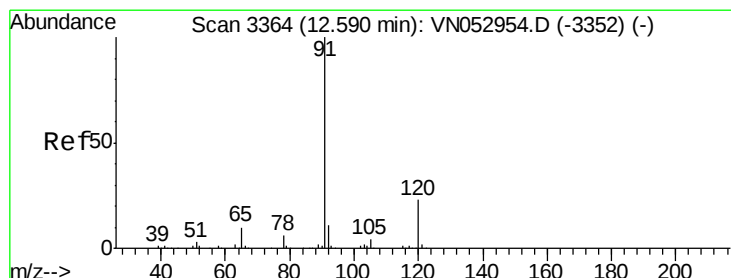
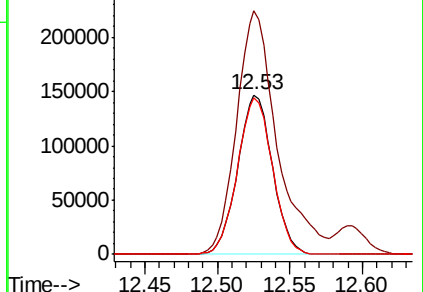
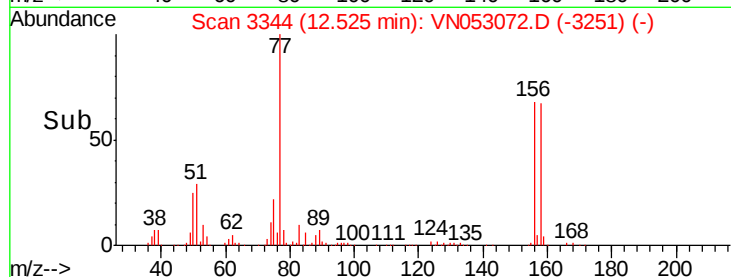
158 99.0 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.869 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053072.D

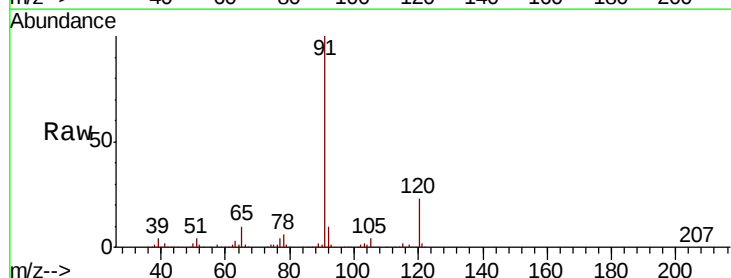
Acq: 20 Dec 2018 23:02

Tgt Ion: 91 Resp: 1072276

Ion Ratio Lower Upper

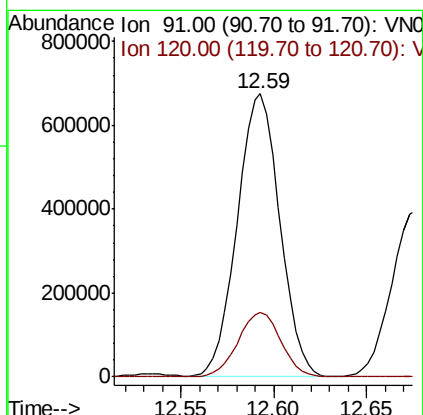
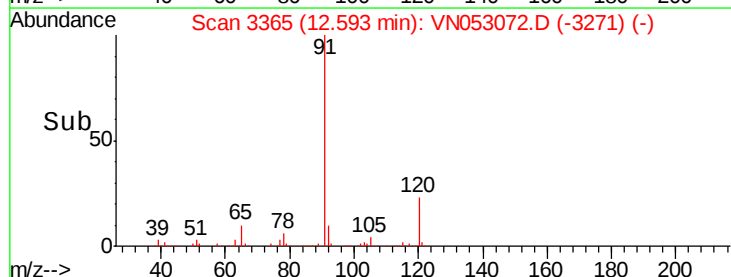
91 100

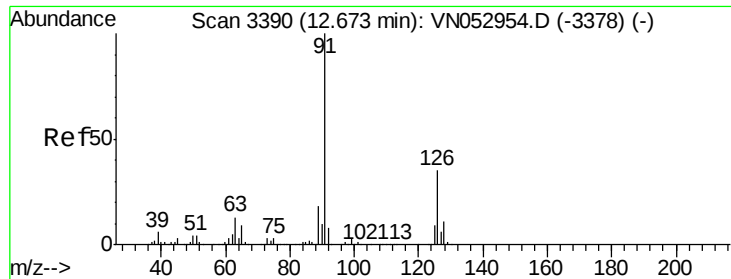
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.232 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

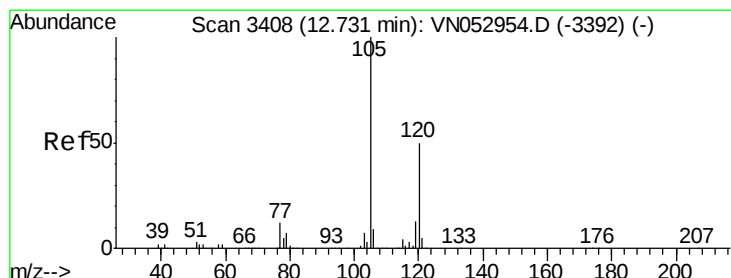
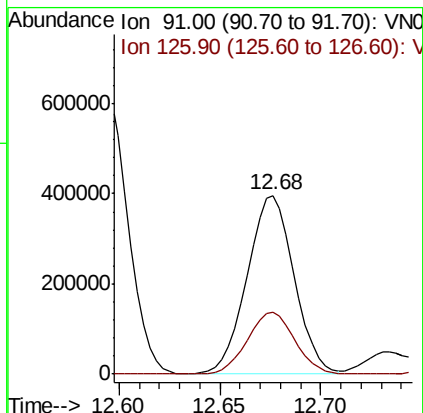
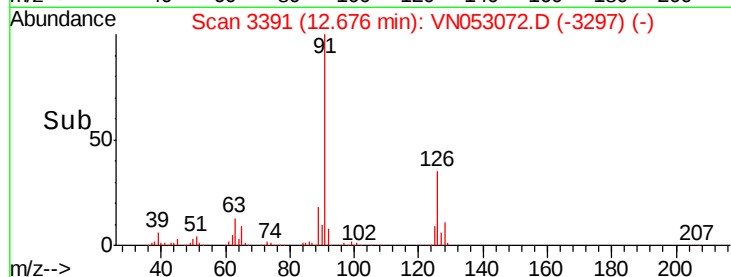
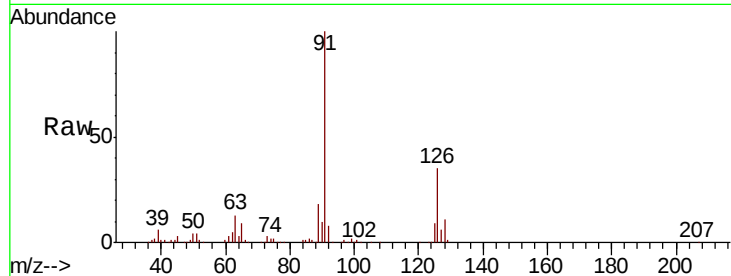
ClientSampleId :

Tot Ion: 91 Resp: 644356

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 20.691 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053072.D

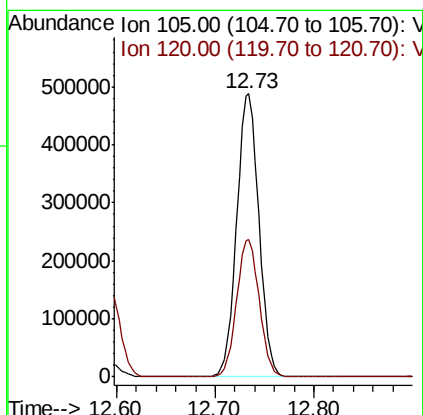
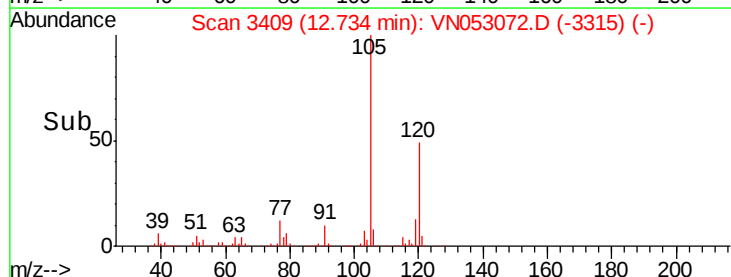
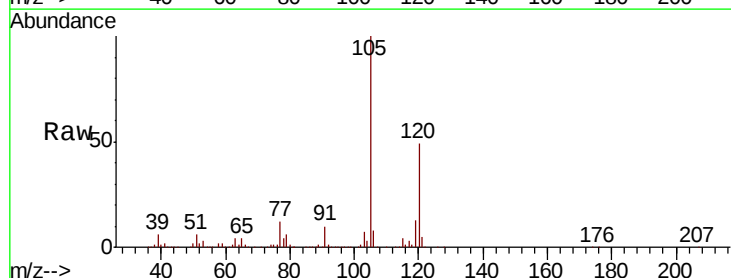
Acq: 20 Dec 2018 23:02

Tgt Ion: 105 Resp: 760855

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2

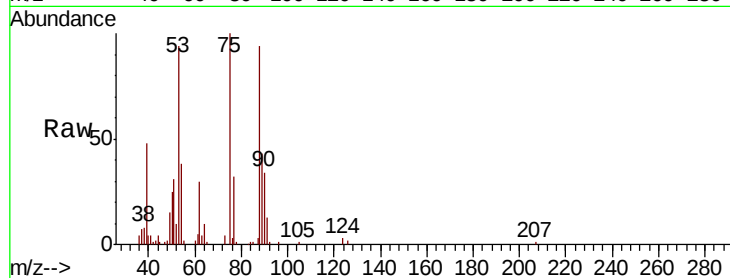




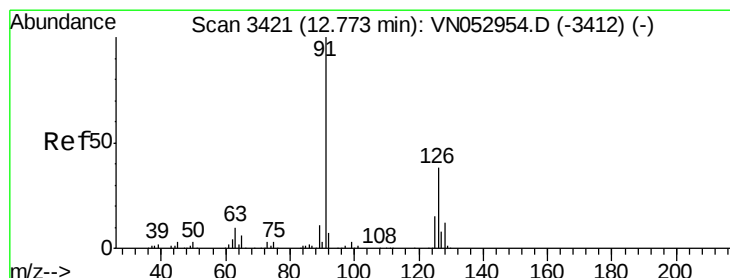
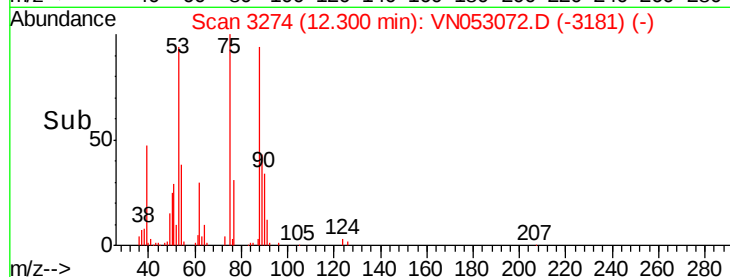
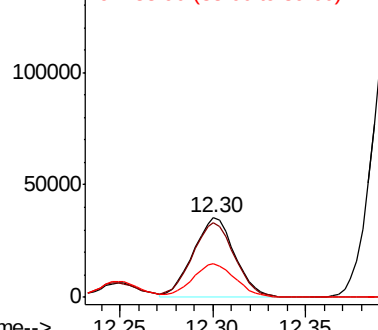
#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.483 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 75 Resp: 55664  
Ion Ratio Lower Upper  
75 100  
53 93.7 74.7 112.1  
89 43.3 36.1 54.1

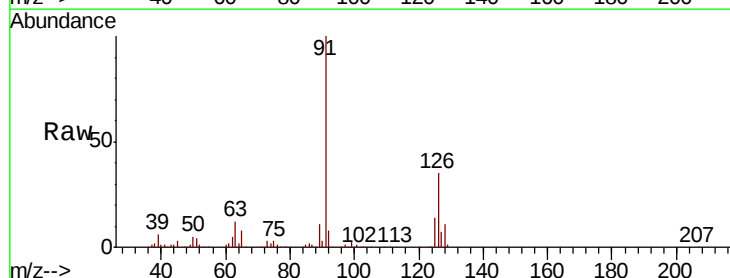


Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 53.00 (52.70 to 53.70): VNO  
Ion 88.90 (88.60 to 89.60): VNO

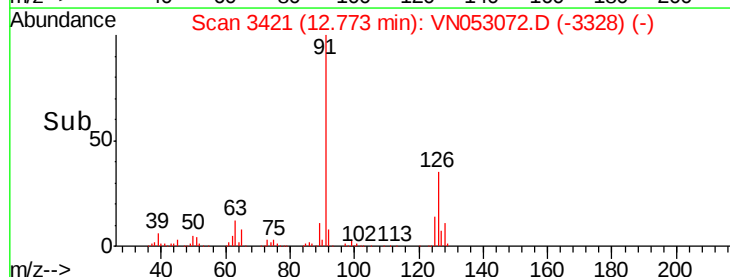
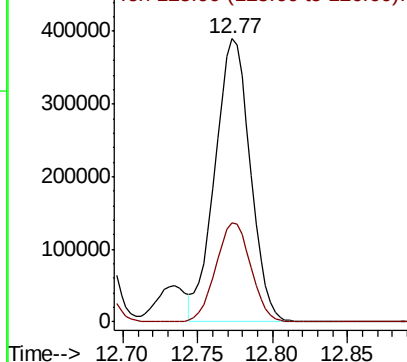


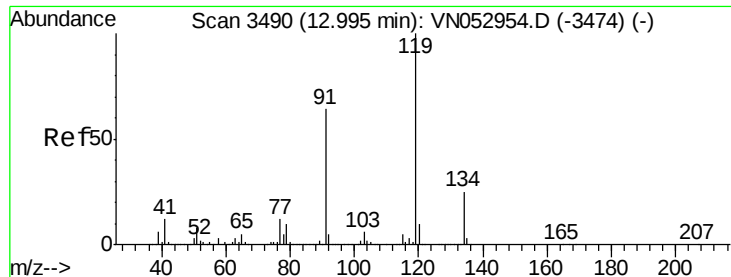
#82  
4-Chlorotoluene  
Concen: 20.526 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN053072.D  
Acq: 20 Dec 2018 23:02

Tgt Ion: 91 Resp: 639944  
Ion Ratio Lower Upper  
91 100  
126 34.8 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VNO  
Ion 125.90 (125.60 to 126.60): V

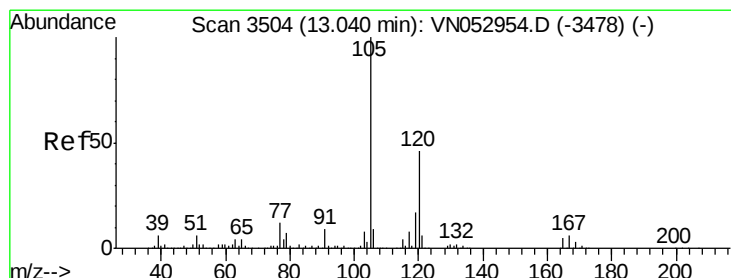
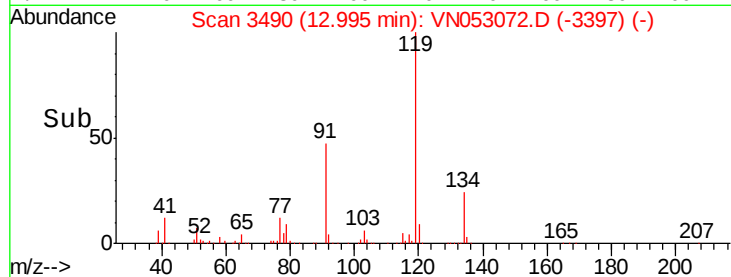
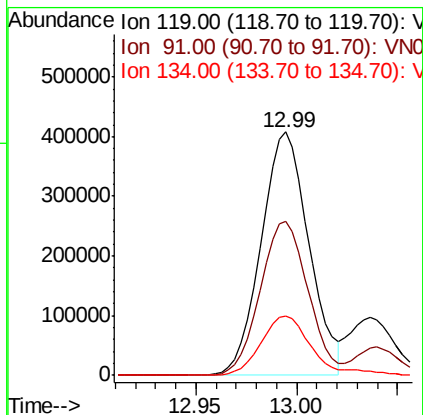
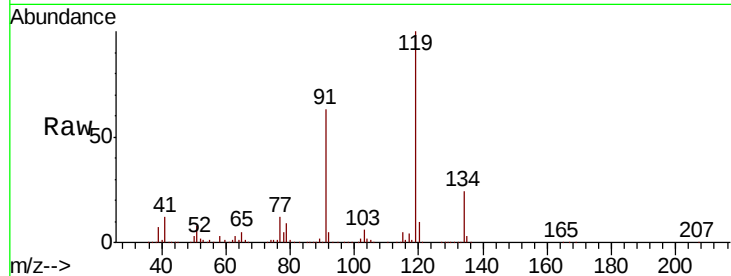




#83  
 tert-Butylbenzene  
 Concen: 20.687 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. -0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

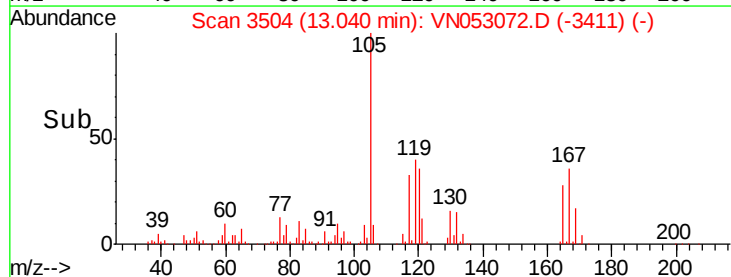
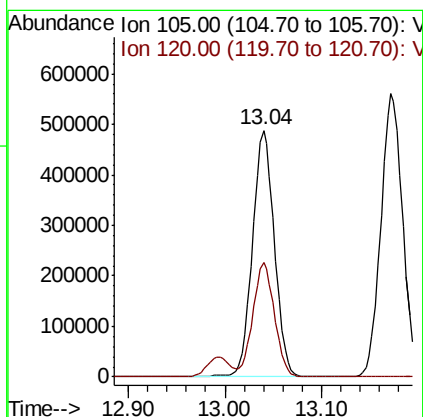
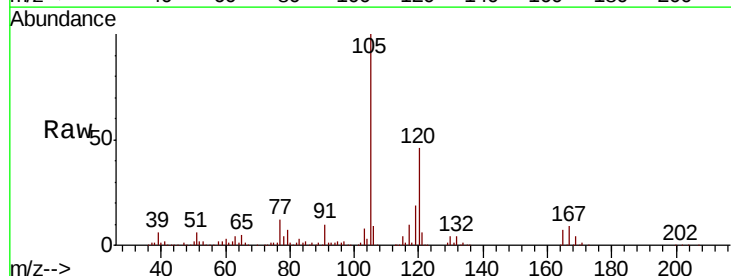
Instrument :  
 MSVOA\_N  
 ClientSampled :

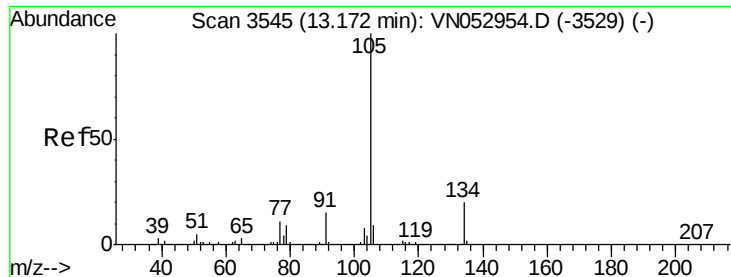
Tot Ion:119 Resp: 672770  
 Ion Ratio Lower Upper  
 119 100  
 91 63.5 31.9 95.5  
 134 25.9 12.8 38.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.703 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Tgt Ion:105 Resp: 765307  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.871 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

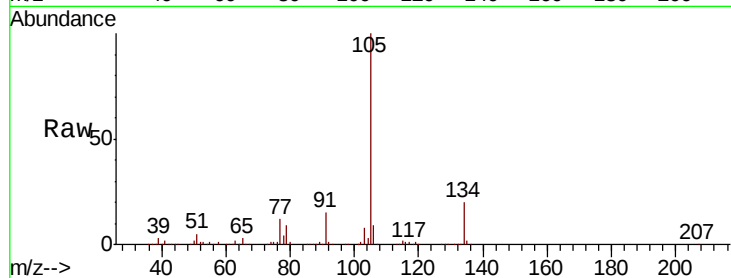
ClientSampled :

Tot Ion:105 Resp: 874086

Ion Ratio Lower Upper

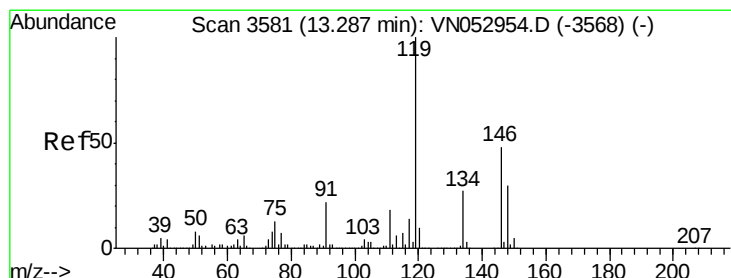
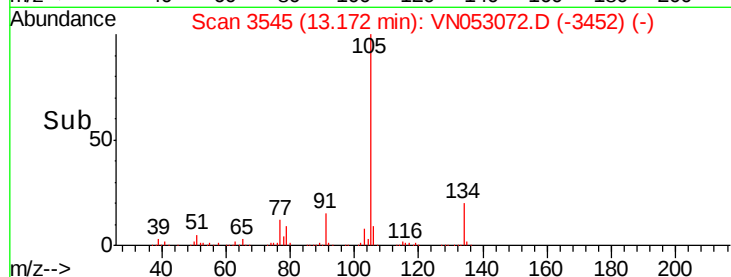
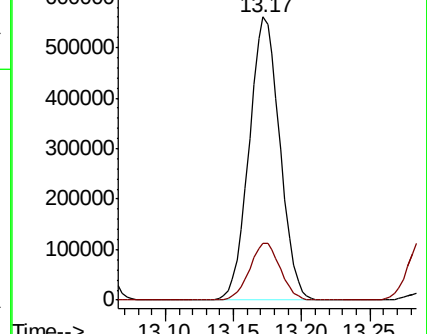
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.790 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

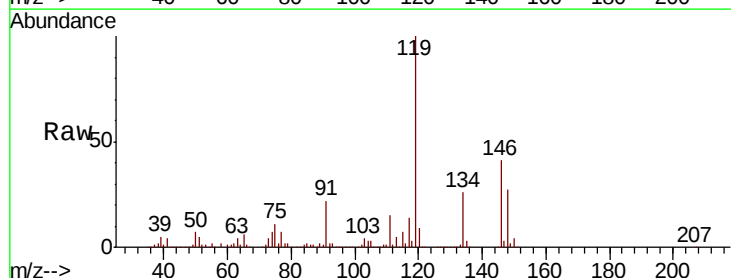
Tgt Ion:119 Resp: 752206

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

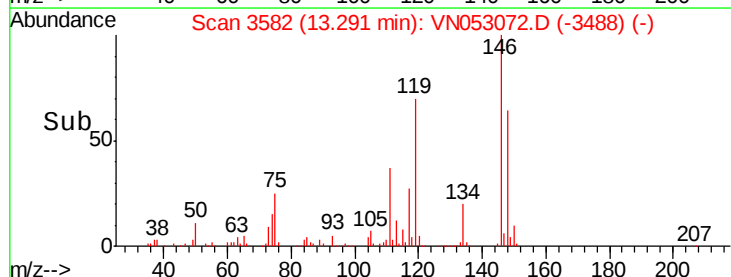
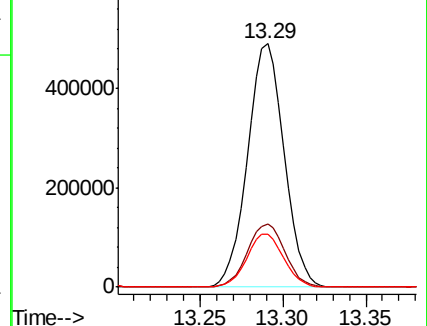
91 21.9 11.1 33.3

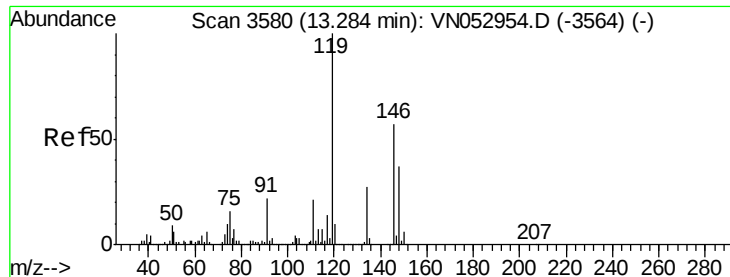


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.994 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampleId :

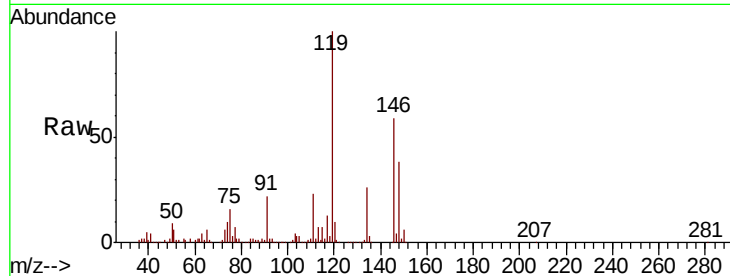
Tot Ion:146 Resp: 415000

Ion Ratio Lower Upper

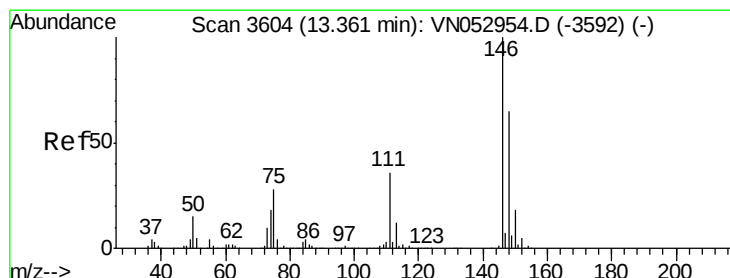
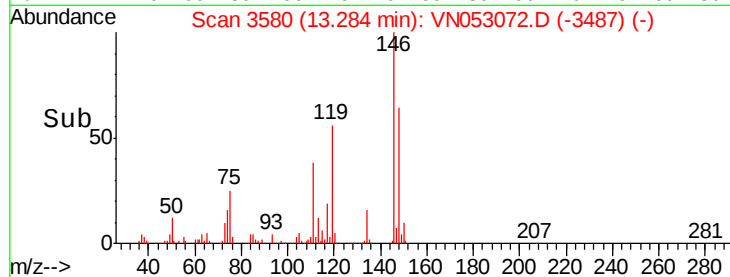
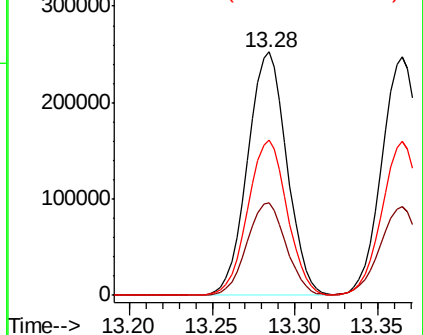
146 100

111 38.0 19.1 57.1

148 63.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.371 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

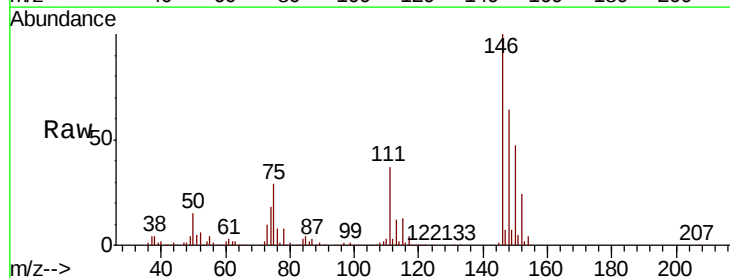
Tgt Ion:146 Resp: 407156

Ion Ratio Lower Upper

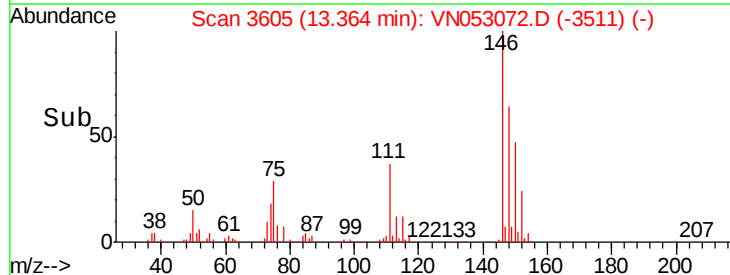
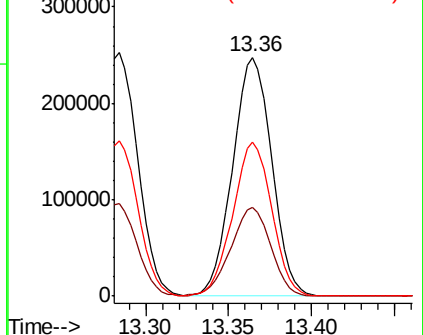
146 100

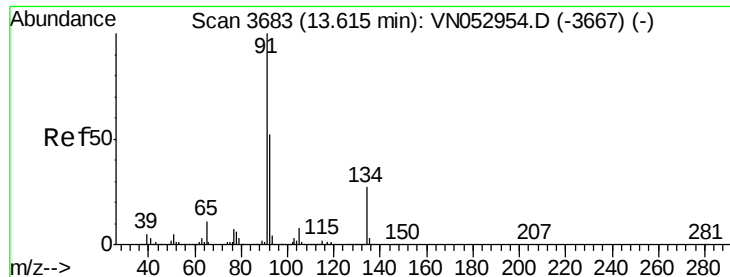
111 38.1 18.6 55.8

148 64.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.875 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampleId :

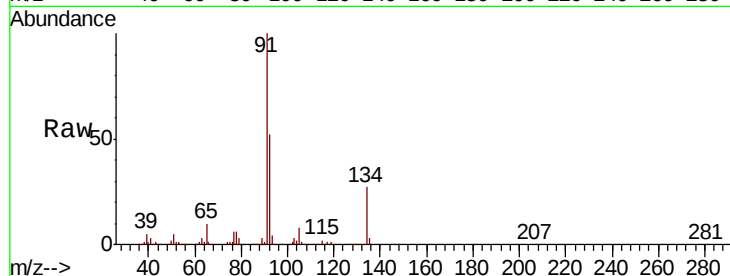
Tot Ion: 91 Resp: 584522

Ion Ratio Lower Upper

91 100

92 52.5 26.3 78.9

134 26.6 13.3 39.8

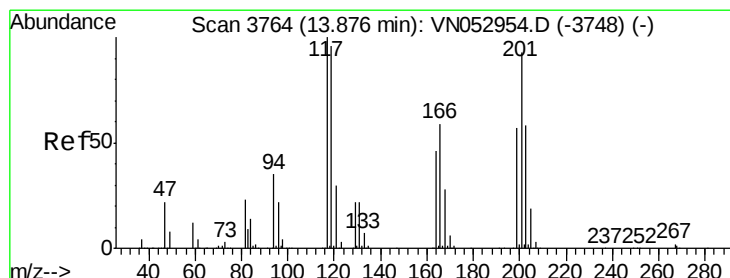
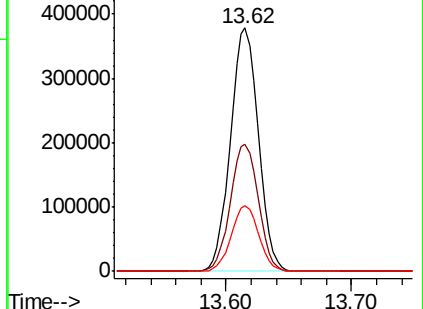
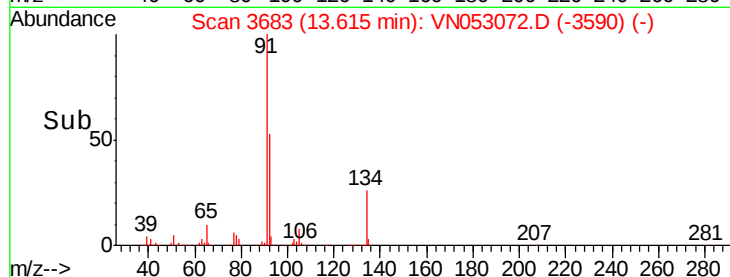


Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 18.894 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053072.D

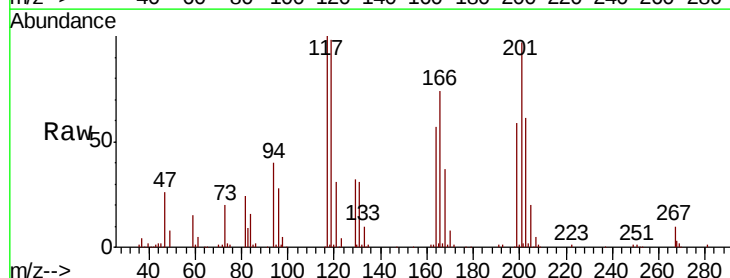
Acq: 20 Dec 2018 23:02

Tgt Ion: 117 Resp: 110210

Ion Ratio Lower Upper

117 100

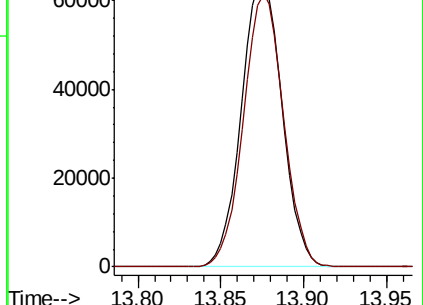
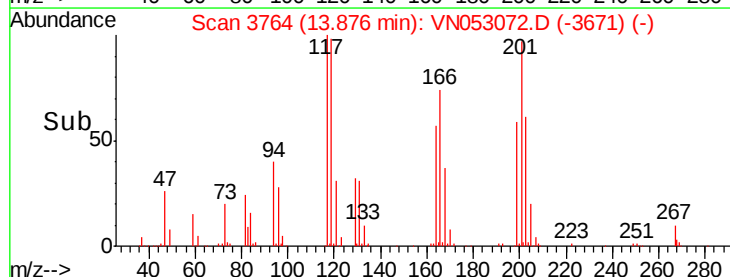
201 93.6 45.7 137.1



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

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

Time-->

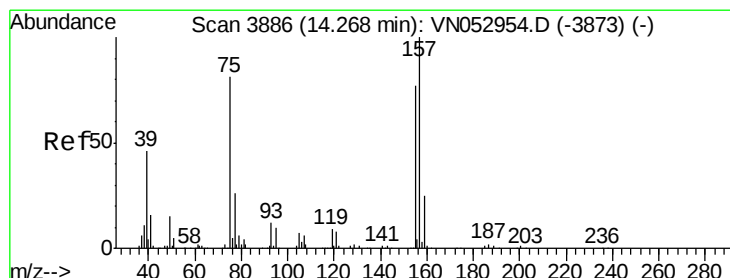
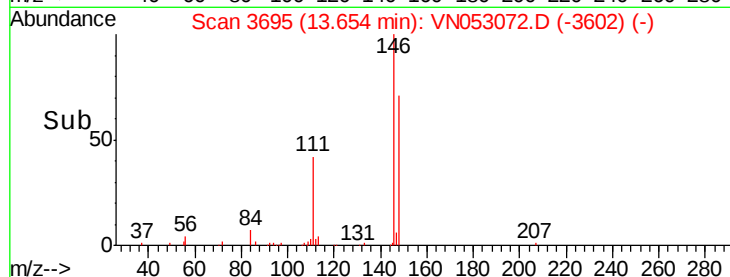
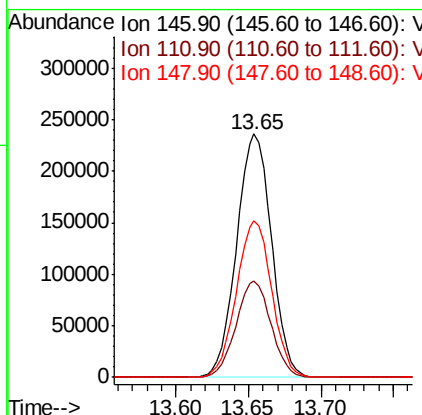
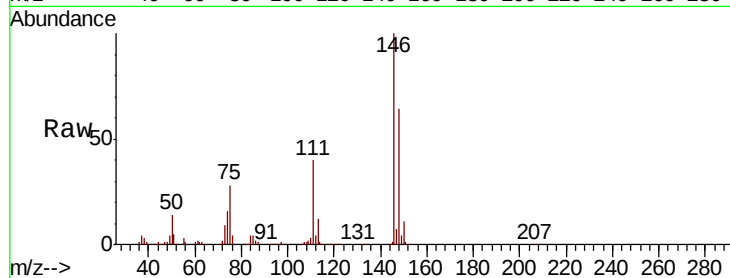




#91  
 1,2-Dichlorobenzene  
 Concen: 20.223 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

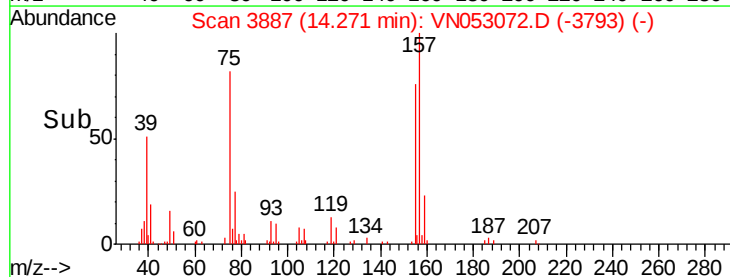
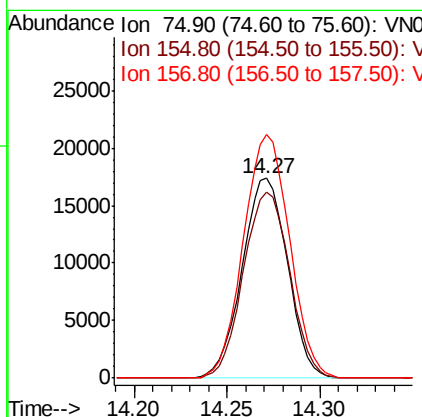
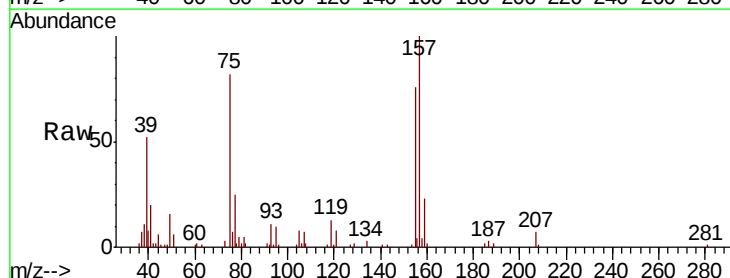
Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.7  | 59.0  |
| 148     | 64.8  | 32.0  | 96.0  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.280 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 95.0  | 48.2  | 144.6 |
| 157     | 124.2 | 61.2  | 183.5 |

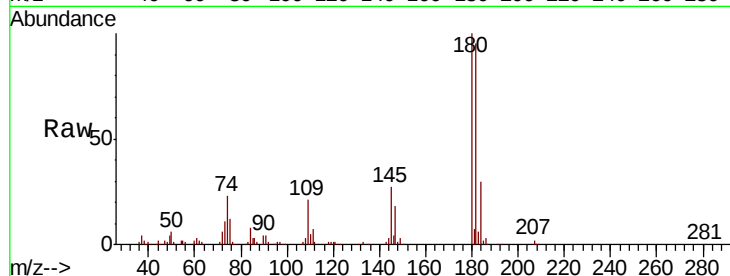




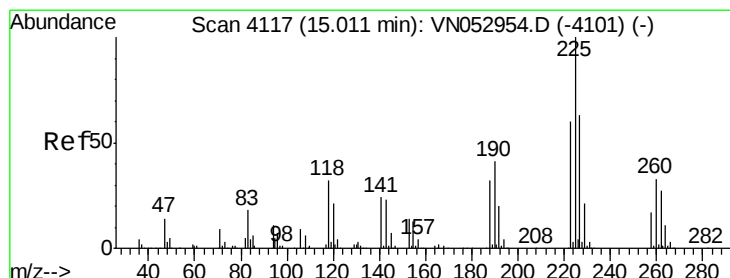
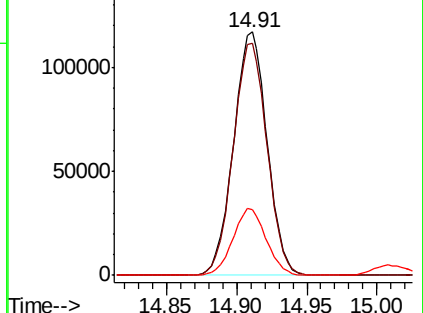
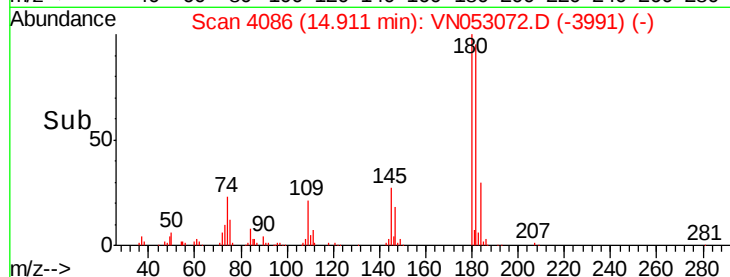
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.171 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tot Ion:180 Resp: 194554  
 Ion Ratio Lower Upper  
 180 100  
 182 96.4 47.8 143.3  
 145 27.2 14.2 42.6

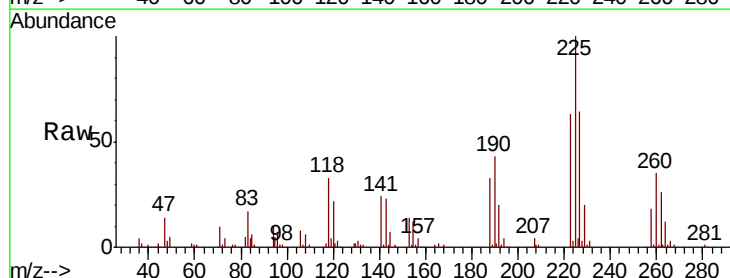


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

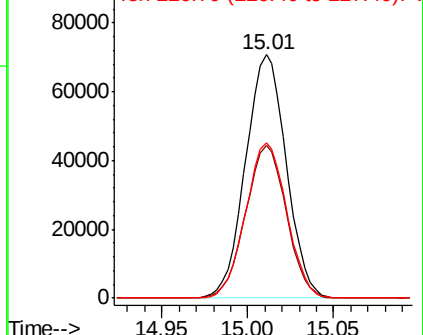
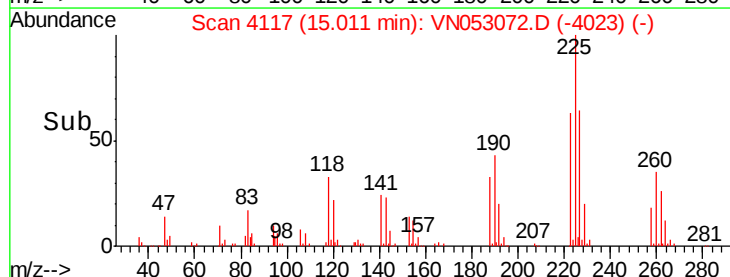


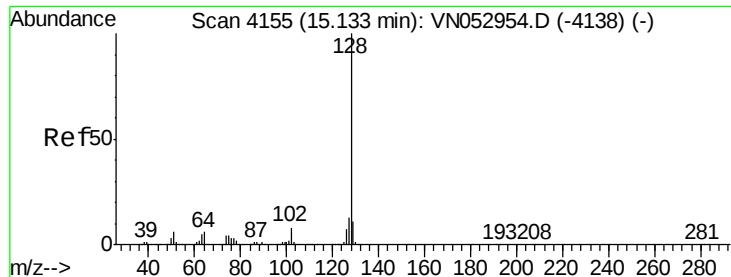
#94  
 Hexachlorobutadiene  
 Concen: 20.028 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053072.D  
 Acq: 20 Dec 2018 23:02

Tgt Ion:225 Resp: 116547  
 Ion Ratio Lower Upper  
 225 100  
 223 62.7 31.5 94.5  
 227 64.3 31.9 95.7



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





#95

Naphthalene

Concen: 18.724 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

Instrument :

MSVOA\_N

ClientSampleId :

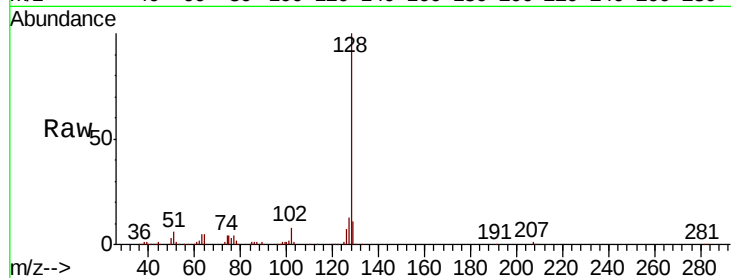
Tot Ion:128 Resp: 407837

Ion Ratio Lower Upper

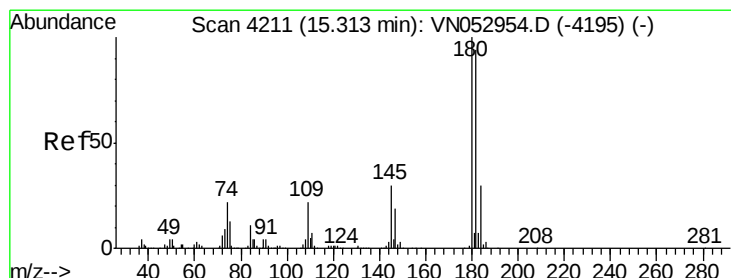
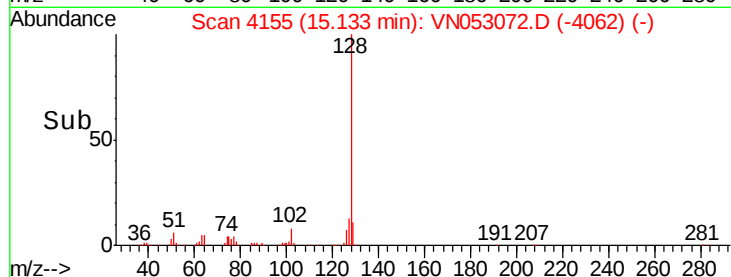
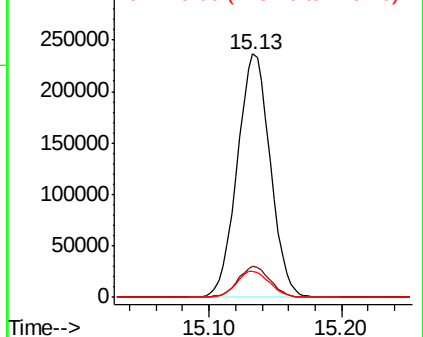
128 100

127 12.6 10.2 15.4

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.609 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053072.D

Acq: 20 Dec 2018 23:02

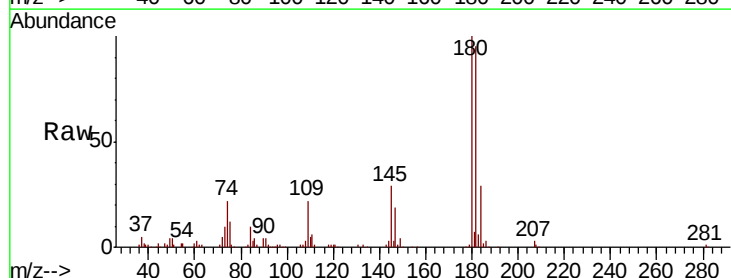
Tgt Ion:180 Resp: 179843

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.7

145 29.9 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

