

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060920\  
 Data File : VN061718.D  
 Acq On : 9 Jun 2020 12:06  
 Operator : JC/MD  
 Sample : VN0609WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0609WBSD01

Quant Time: Jun 10 03:36:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 29 02:14:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 298990   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 477782   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 451897   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 221757   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.98   | 65  | 163497   | 45.90 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.80%  |      |
| 35) Dibromofluoromethane  | 7.54   | 113 | 131156   | 54.11 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.22% |      |
| 50) Toluene-d8            | 10.06  | 98  | 539472   | 48.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.06%  |      |
| 62) 4-Bromofluorobenzene  | 12.37  | 95  | 186624   | 45.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.08%  |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 60534  | 18.281 | ug/l   | 97     |
| 3) Chloromethane              | 2.03 | 50  | 62425  | 17.118 | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.16 | 62  | 81367  | 16.282 | ug/l   | 99     |
| 5) Bromomethane               | 2.54 | 94  | 55096  | 19.214 | ug/l   | 99     |
| 6) Chloroethane               | 2.67 | 64  | 54466  | 16.933 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 126409 | 19.616 | ug/l   | 99     |
| 8) Diethyl Ether              | 3.37 | 74  | 33654  | 17.079 | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 53554  | 18.727 | ug/l   | 96     |
| 10) Methyl Iodide             | 3.91 | 142 | 72096  | 18.161 | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 44258  | 93.406 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 51803  | 16.956 | ug/l   | 93     |
| 13) Acrolein                  | 3.56 | 56  | 12037  | 65.019 | ug/l   | 97     |
| 14) Allyl chloride            | 4.27 | 41  | 55066  | 13.787 | ug/l # | 86     |
| 15) Acrylonitrile             | 4.92 | 53  | 116020 | 87.725 | ug/l   | 99     |
| 16) Acetone                   | 3.77 | 43  | 94416  | 92.258 | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.01 | 76  | 109723 | 16.324 | ug/l   | 99     |
| 18) Methyl Acetate            | 4.27 | 43  | 57138  | 17.718 | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 175676 | 16.872 | ug/l   | 100    |
| 20) Methylene Chloride        | 4.50 | 84  | 60954  | 17.702 | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene  | 4.98 | 96  | 58334  | 16.931 | ug/l   | 93     |
| 22) Diisopropyl ether         | 5.90 | 45  | 149229 | 16.952 | ug/l   | 93     |
| 23) Vinyl Acetate             | 5.84 | 43  | 557679 | 79.482 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 5.79 | 63  | 96182  | 17.230 | ug/l   | 99     |
| 25) 2-Butanone                | 6.78 | 43  | 136314 | 80.742 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 86590  | 16.948 | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 69829  | 17.898 | ug/l   | 96     |
| 28) Bromochloromethane        | 7.14 | 49  | 43206  | 19.773 | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.16 | 42  | 88380  | 79.388 | ug/l   | 95     |
| 30) Chloroform                | 7.32 | 83  | 109834 | 17.785 | ug/l   | 98     |
| 31) Cyclohexane               | 7.61 | 56  | 78937  | 15.723 | ug/l # | 89     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 94687  | 16.826 | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 74867  | 17.701 | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.88 | 43  | 60746  | 17.832 | ug/l # | 91     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 76257  | 18.691 | ug/l   | 99     |

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 Acq On : 9 Jun 2020 12:06  
 Operator : JC/MD  
 Sample : VN0609WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0609WBSD01

Quant Time: Jun 10 03:36:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 29 02:14:10 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.04  | 83   | 85371    | 16.376  | ug/l   | 97       |
| 40) Benzene                    | 8.00  | 78   | 240932   | 18.462  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.13  | 41   | 25561m   | 16.377  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 78410    | 17.947  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.12  | 43   | 100041   | 16.323  | ug/l # | 91       |
| 44) Trichloroethene            | 8.80  | 130  | 73056    | 18.215  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 58172    | 18.772  | ug/l   | 98       |
| 46) Dibromomethane             | 9.17  | 93   | 44516    | 18.731  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.37  | 83   | 87850    | 18.657  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.16  | 41   | 44473    | 16.128  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.16  | 88   | 22047    | 516.096 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 291982   | 84.538  | ug/l   | 99       |
| 52) Toluene                    | 10.12 | 92   | 156826   | 18.412  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 90253    | 17.793  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 100341   | 18.397  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 64580    | 19.030  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 79653    | 16.803  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 102887   | 18.957  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 168318   | 83.087  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.72 | 43   | 206780   | 83.364  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.87 | 129  | 73524    | 19.058  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 67273    | 19.008  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.60 | 164  | 77547    | 18.230  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.40 | 112  | 173490   | 18.470  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 65432    | 18.708  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.48 | 91   | 289666   | 17.842  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.59 | 106  | 229369   | 35.631  | ug/l   | 99       |
| 69) o-Xylene                   | 11.92 | 106  | 108071   | 17.675  | ug/l   | 100      |
| 70) Styrene                    | 11.94 | 104  | 181079   | 17.884  | ug/l   | 98       |
| 71) Bromoform                  | 12.10 | 173  | 49412    | 18.334  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.22 | 105  | 287012   | 17.733  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.04 | 43   | 81315    | 15.953  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 81618    | 17.995  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 75058m   | 18.614  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 77686    | 18.804  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.56 | 91   | 319937   | 17.706  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 189490   | 17.587  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 242257   | 17.908  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 24591    | 15.595  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 198161   | 17.483  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 205799   | 17.218  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 238279   | 17.730  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 267709   | 17.382  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 246062   | 17.348  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 134128   | 18.334  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 135951   | 18.241  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.59 | 91   | 196510   | 16.541  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.85 | 117  | 33895    | 21.608  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 130499   | 18.665  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 14795    | 15.994  | ug/l   | 98       |

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Acq On : 9 Jun 2020 12:06  
Operator : JC/MD  
Sample : VN0609WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

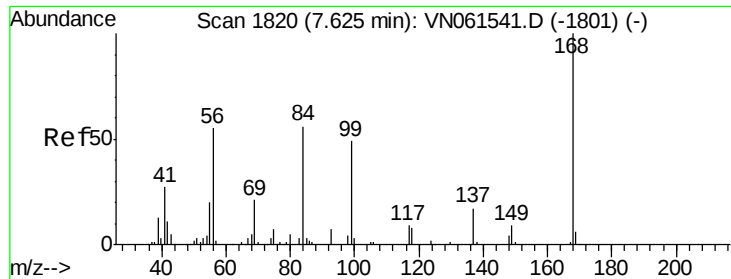
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0609WBSD01

Quant Time: Jun 10 03:36:40 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 29 02:14:10 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 71095    | 17.387 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 32060    | 18.384 | ug/l  | 98       |
| 95) Naphthalene            | 15.10 | 128  | 207780   | 16.695 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 76432    | 19.012 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

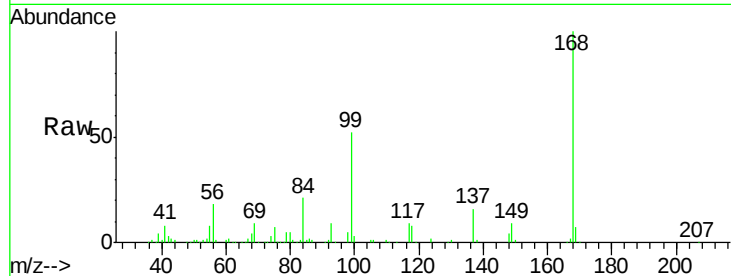
VN0609WBSD01

Tot Ion:168 Resp: 298990

Ion Ratio Lower Upper

168 100

99 51.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

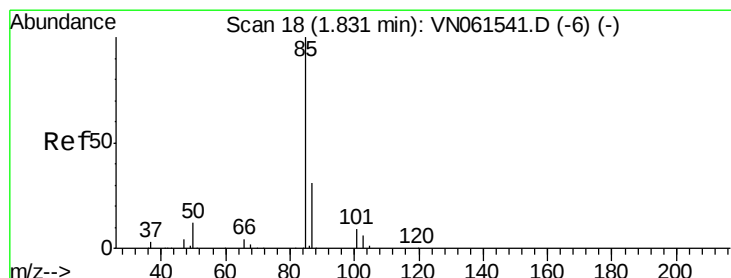
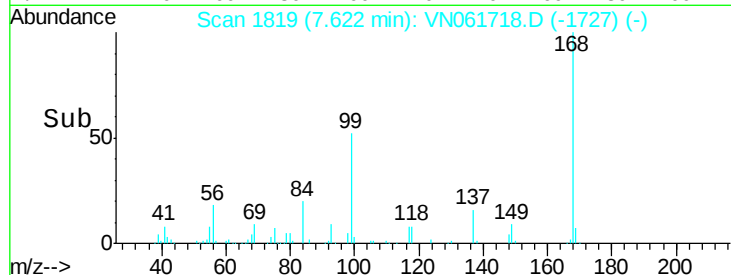
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.281 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061718.D

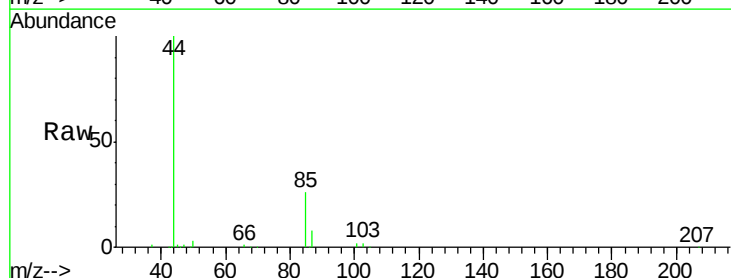
Acq: 9 Jun 2020 12:06

Tgt Ion: 85 Resp: 60534

Ion Ratio Lower Upper

85 100

87 32.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

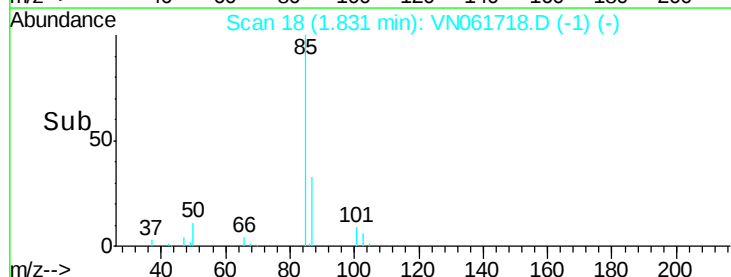
30000

20000

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Time-->





#3

Chloromethane

Concen: 17.118 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

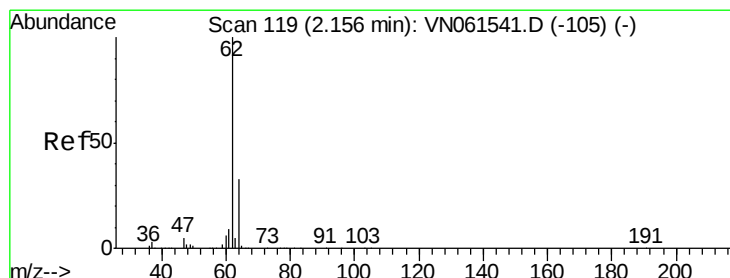
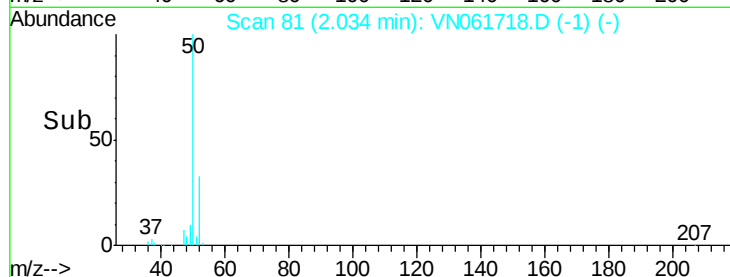
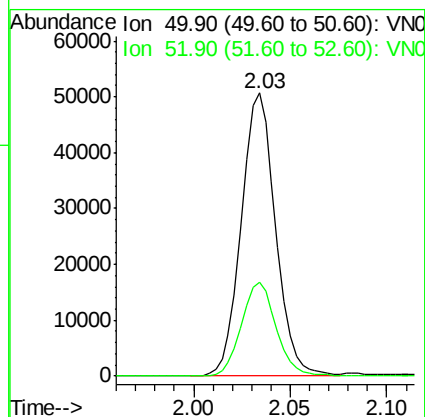
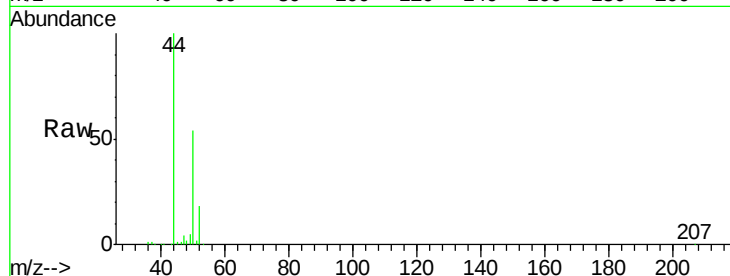
VN0609WBSD01

Tot Ion: 50 Resp: 62425

Ion Ratio Lower Upper

50 100

52 33.0 26.7 40.1



#4

Vinyl Chloride

Concen: 16.282 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061718.D

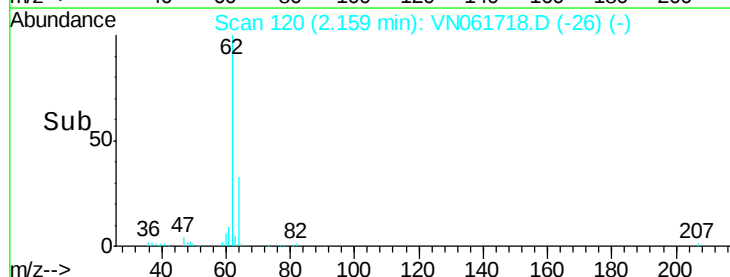
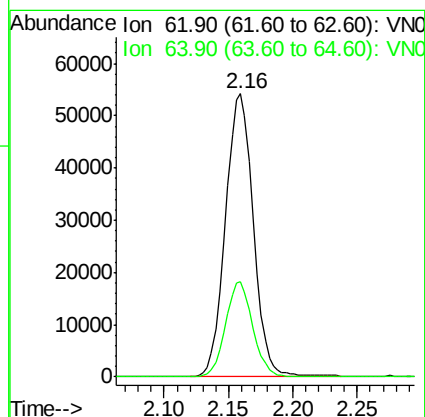
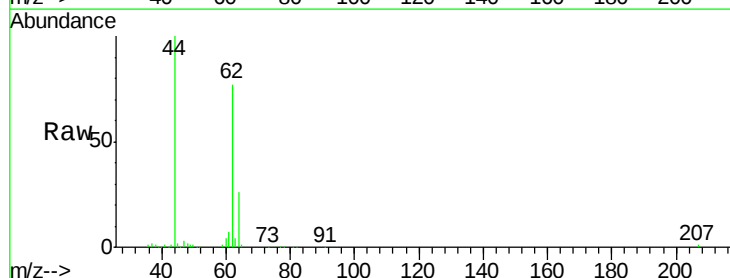
Acq: 9 Jun 2020 12:06

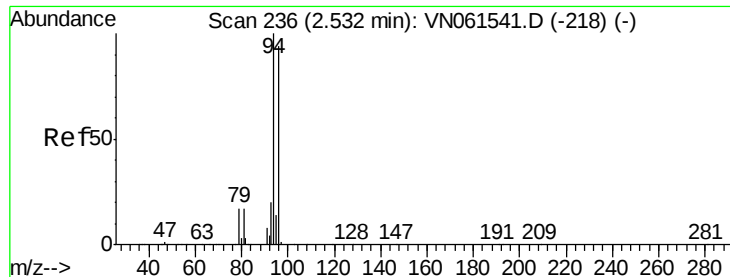
Tgt Ion: 62 Resp: 81367

Ion Ratio Lower Upper

62 100

64 33.5 26.2 39.2





#5

Bromomethane

Concen: 19.214 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

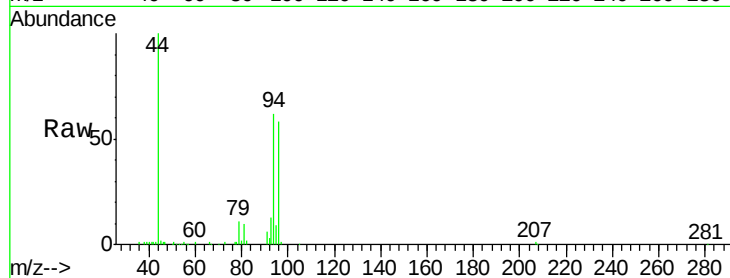
VN0609WBSD01

Tot Ion: 94 Resp: 55096

Ion Ratio Lower Upper

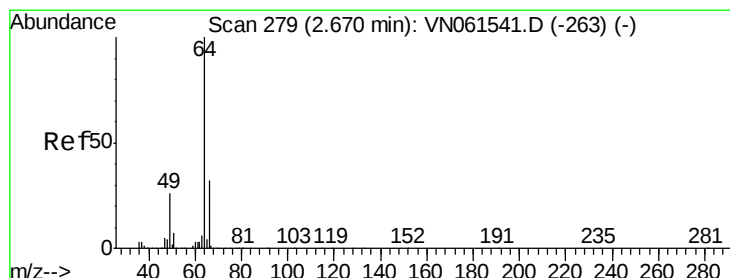
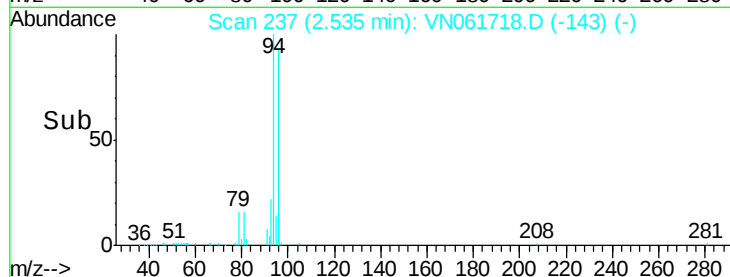
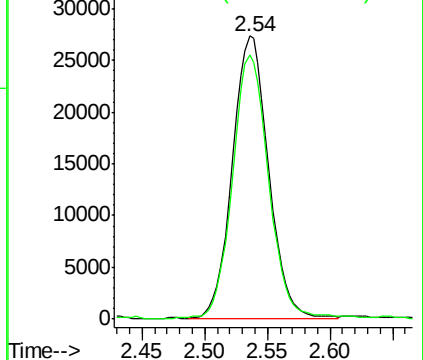
94 100

96 92.6 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.933 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061718.D

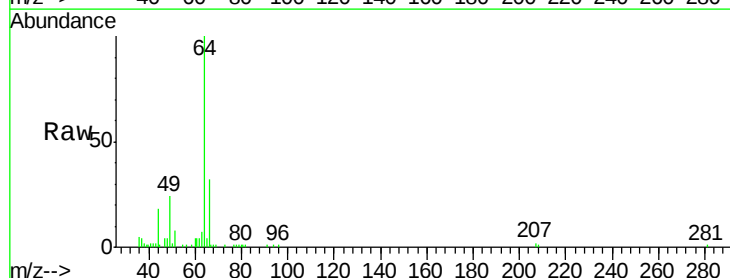
Acq: 9 Jun 2020 12:06

Tgt Ion: 64 Resp: 54466

Ion Ratio Lower Upper

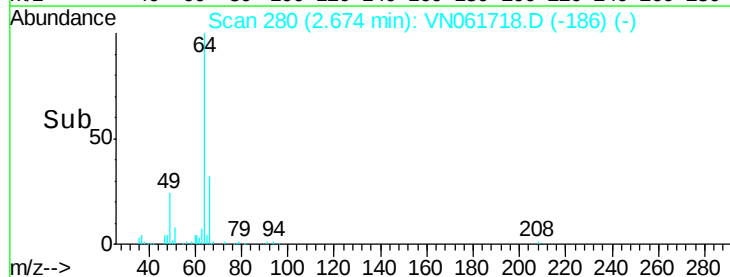
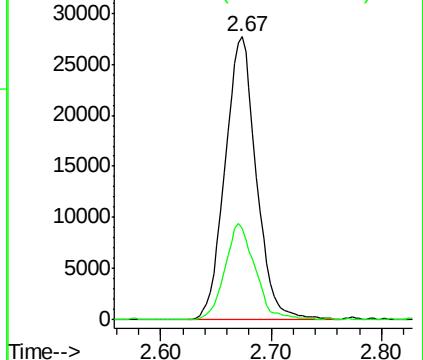
64 100

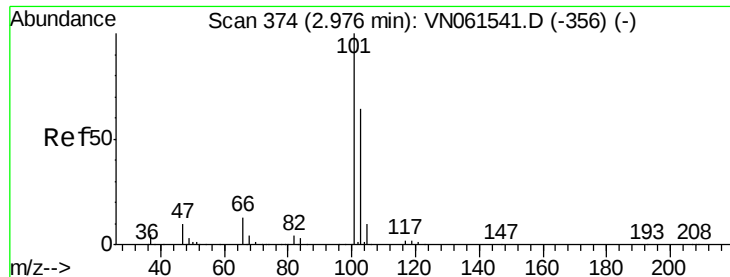
66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



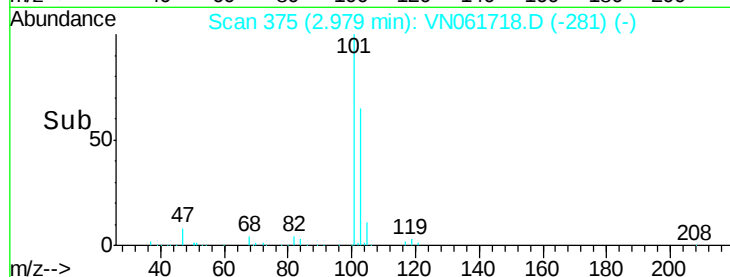
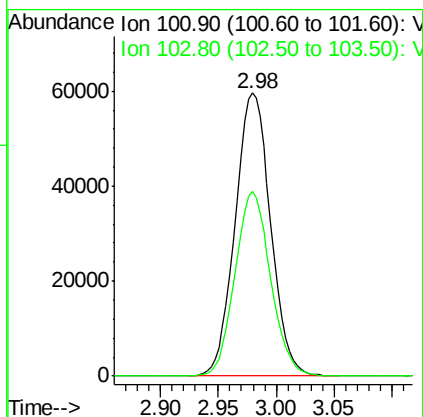
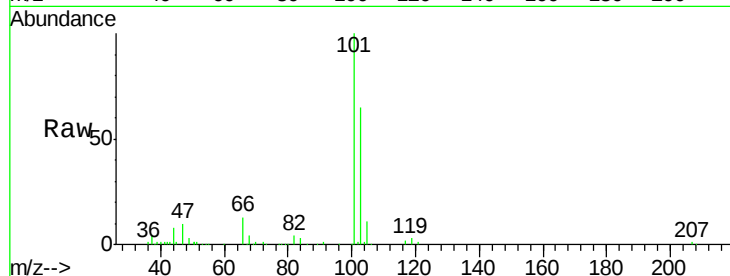


#7

Trichlorofluoromethane  
 Concen: 19.616 ug/l  
 RT: 2.98 min Scan# 375  
 Delta R.T. 0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0609WBSD01

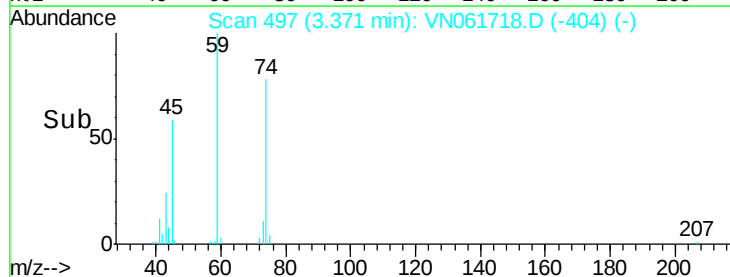
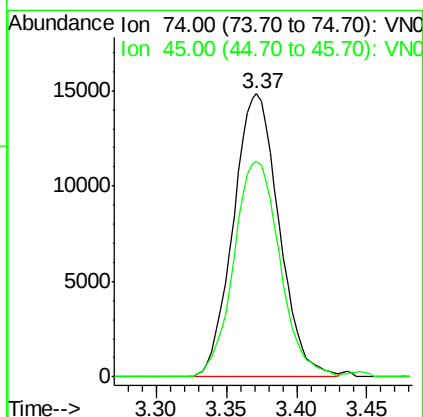
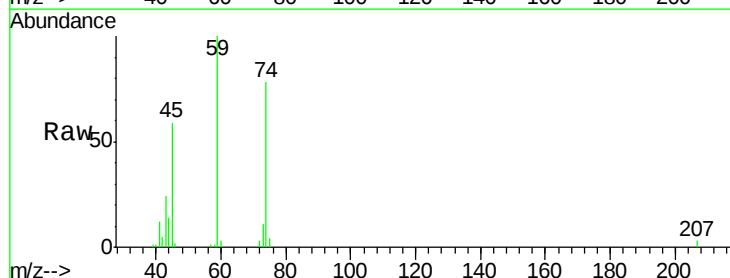
Tot Ion:101 Resp: 126409  
 Ion Ratio Lower Upper  
 101 100  
 103 65.3 51.4 77.2



#8

Diethyl Ether  
 Concen: 17.079 ug/l  
 RT: 3.37 min Scan# 497  
 Delta R.T. 0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Tgt Ion: 74 Resp: 33654  
 Ion Ratio Lower Upper  
 74 100  
 45 76.8 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.727 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

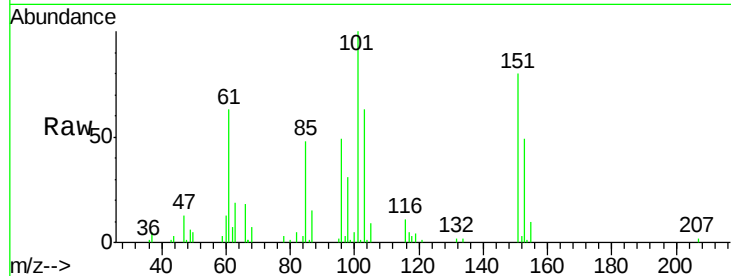
Tot Ion:101 Resp: 53554

Ion Ratio Lower Upper

101 100

85 45.8 35.2 52.8

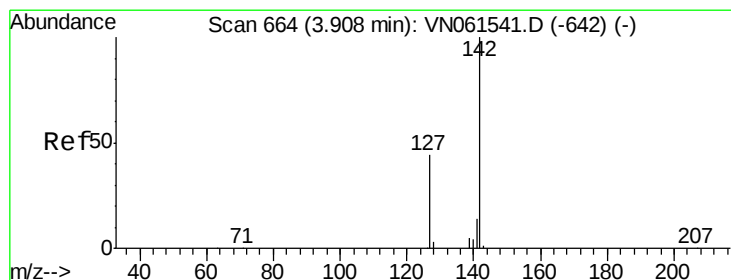
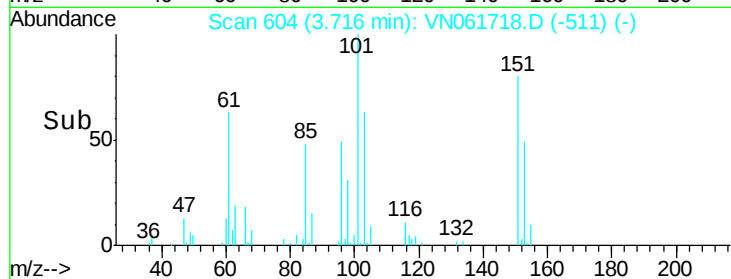
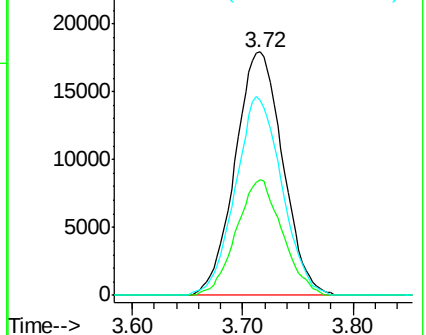
151 79.9 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.161 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

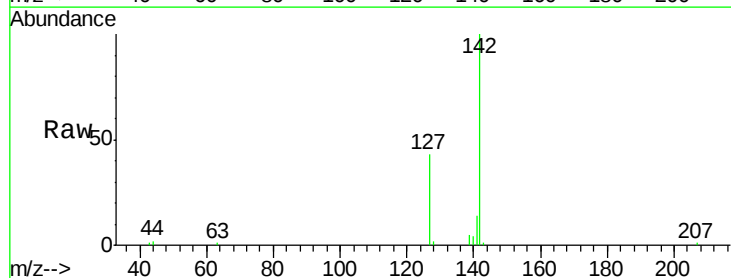
Tgt Ion:142 Resp: 72096

Ion Ratio Lower Upper

142 100

127 43.5 35.5 53.3

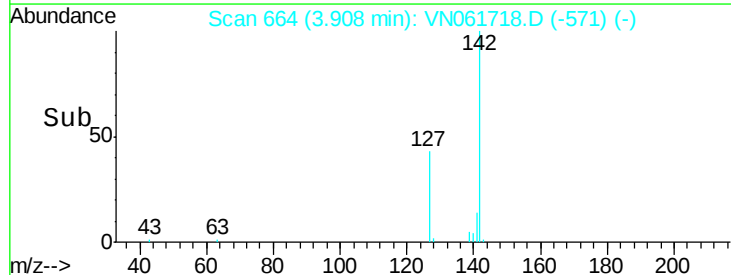
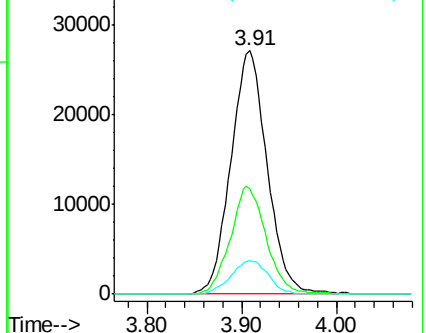
141 14.1 11.5 17.3



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: 93.406 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.01 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

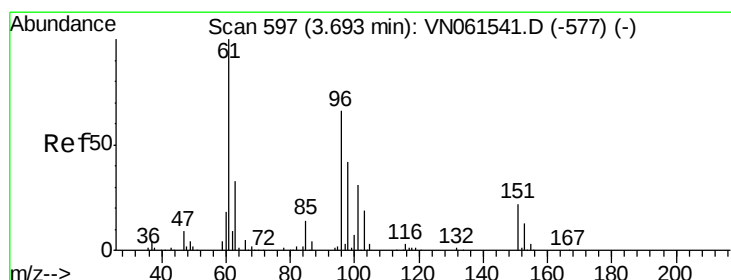
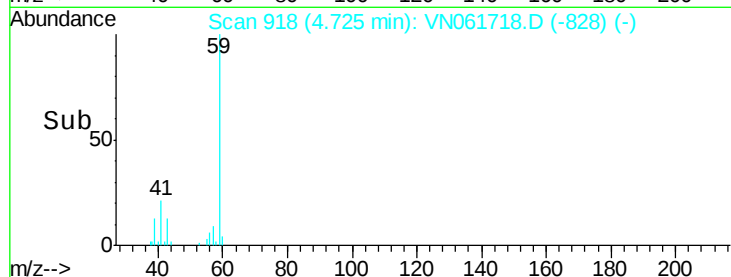
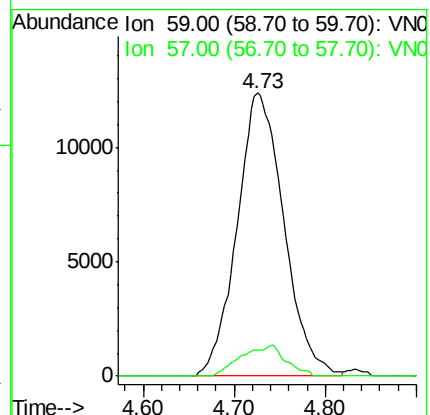
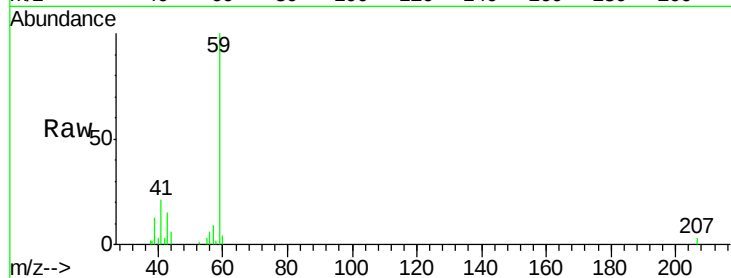
VN0609WBSD01

Tot Ion: 59 Resp: 44258

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



#12

1,1-Dichloroethene

Concen: 16.956 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

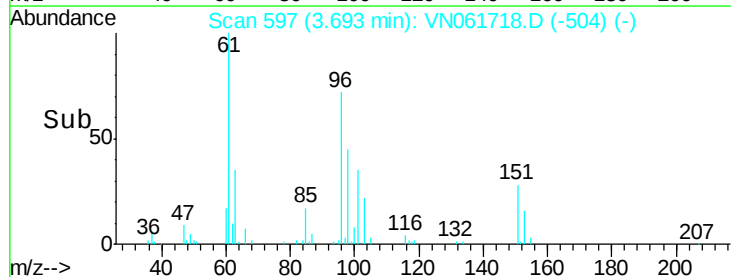
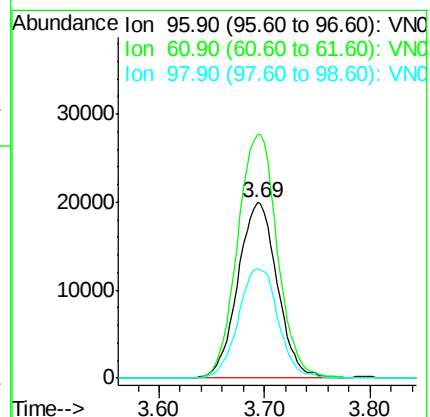
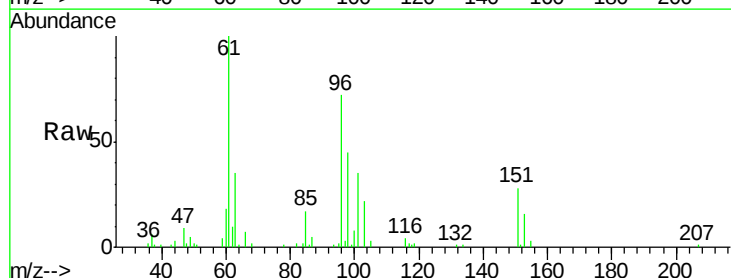
Tgt Ion: 96 Resp: 51803

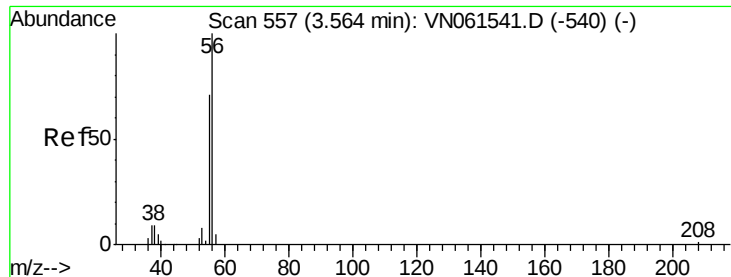
Ion Ratio Lower Upper

96 100

61 138.8 120.5 180.7

98 62.5 50.8 76.2





#13

Acrolein

Concen: 65.019 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

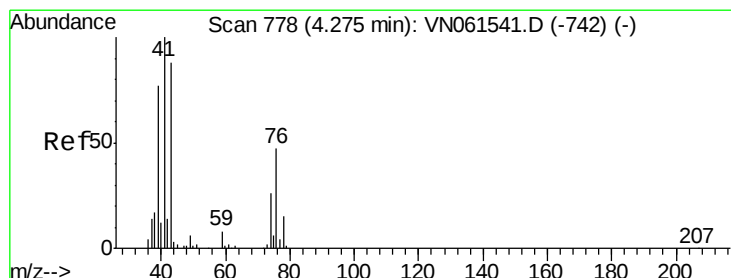
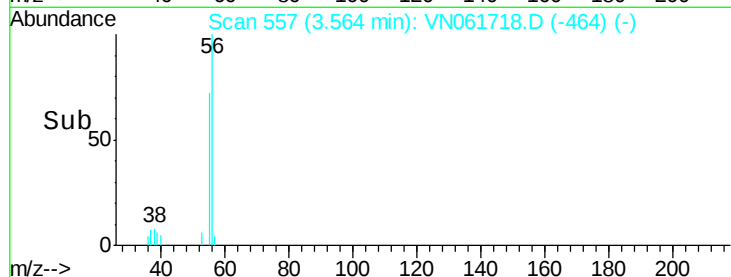
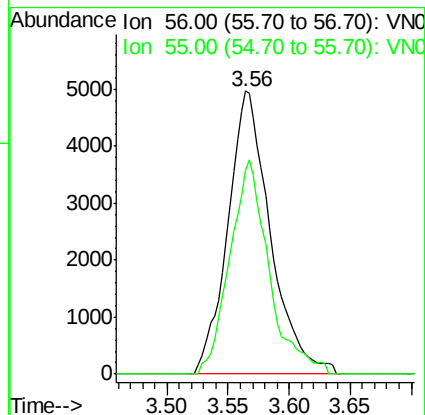
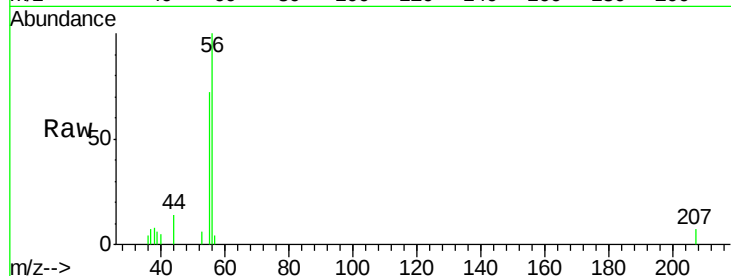
VN0609WBSD01

Tot Ion: 56 Resp: 12037

Ion Ratio Lower Upper

56 100

55 69.7 58.0 87.0



#14

Allyl chloride

Concen: 13.787 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

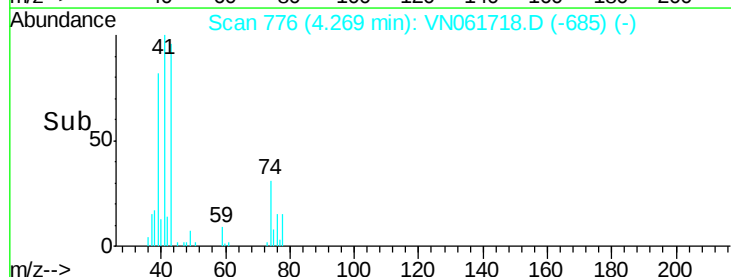
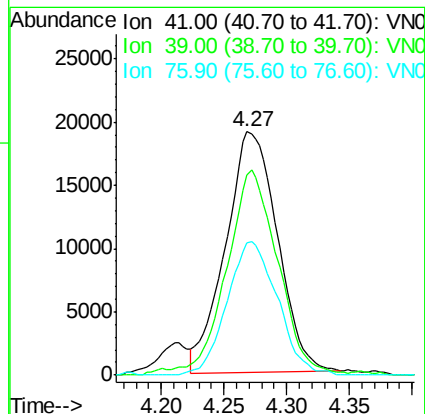
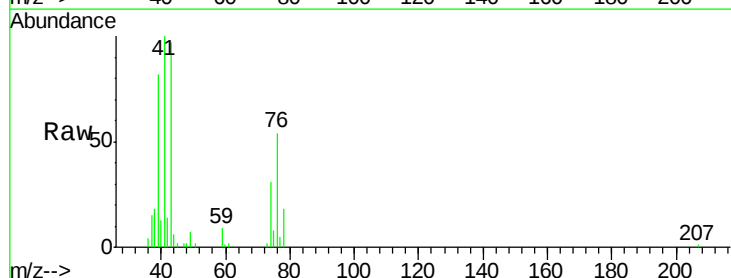
Tgt Ion: 41 Resp: 55066

Ion Ratio Lower Upper

41 100

39 84.2 58.6 88.0

76 53.4 34.2 51.4#





#15

Acrylonitrile

Concen: 87.725 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

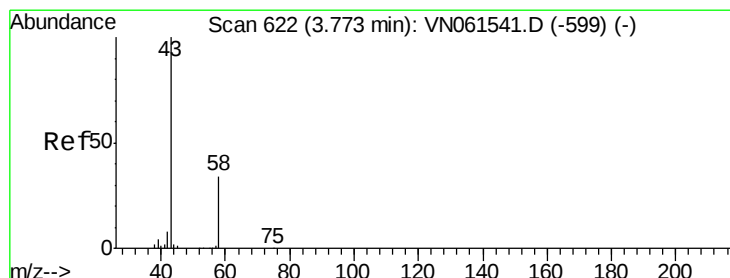
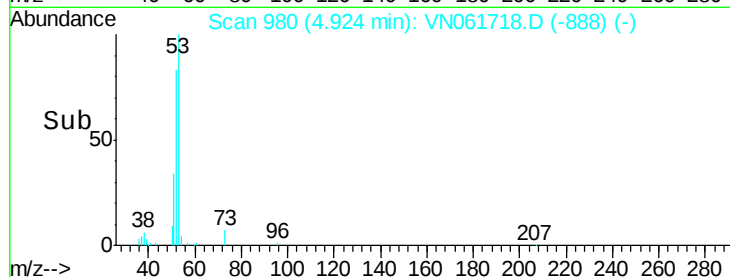
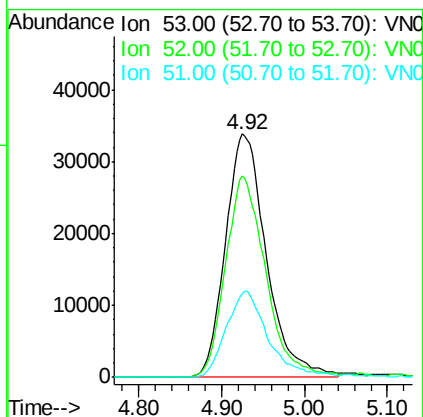
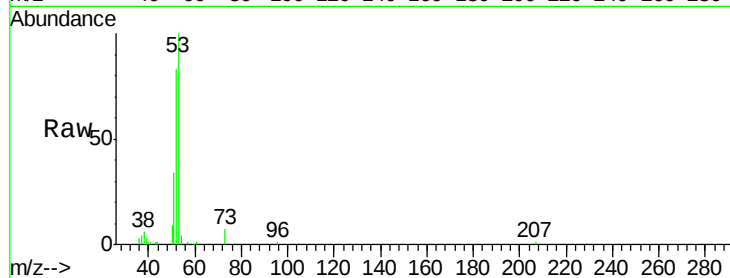
Tot Ion: 53 Resp: 116020

Ion Ratio Lower Upper

53 100

52 81.1 65.4 98.2

51 36.1 29.0 43.6



#16

Acetone

Concen: 92.258 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061718.D

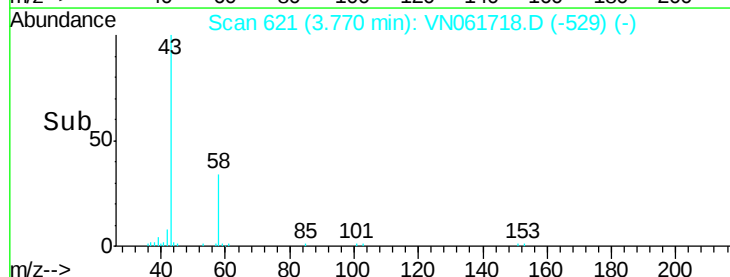
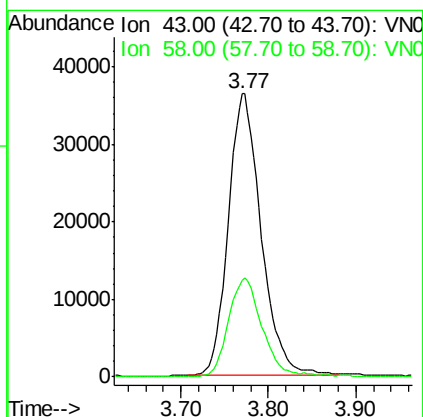
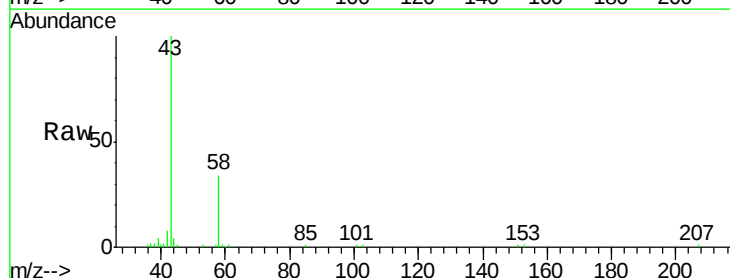
Acq: 9 Jun 2020 12:06

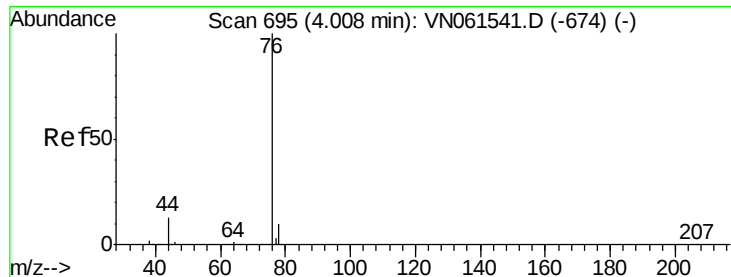
Tgt Ion: 43 Resp: 94416

Ion Ratio Lower Upper

43 100

58 34.1 27.2 40.8

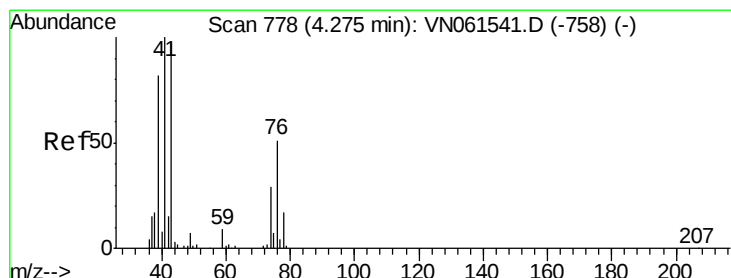
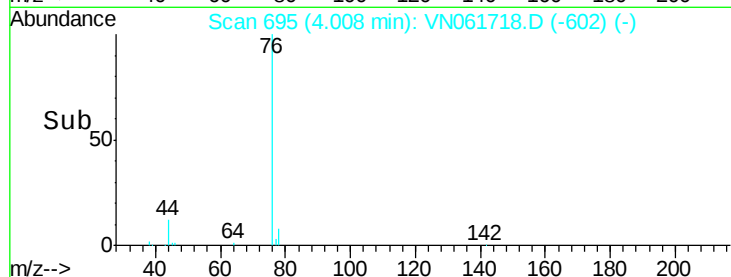
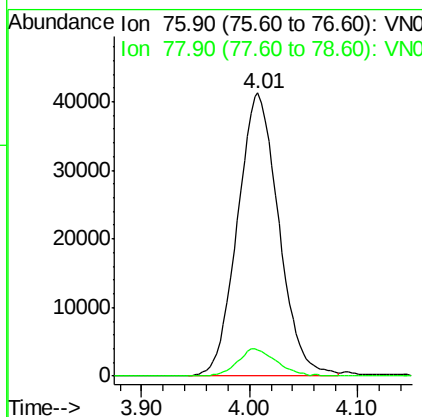
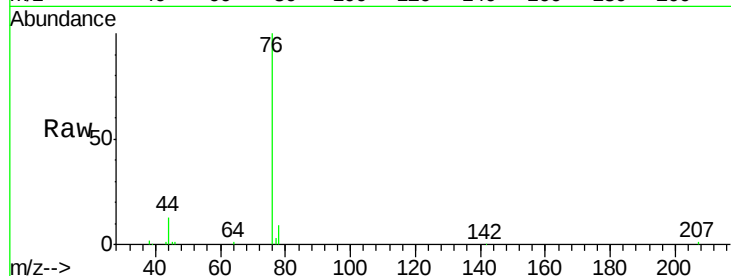




#17  
Carbon Disulfide  
Concen: 16.324 ug/l  
RT: 4.01 min Scan# 695  
Delta R.T. 0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

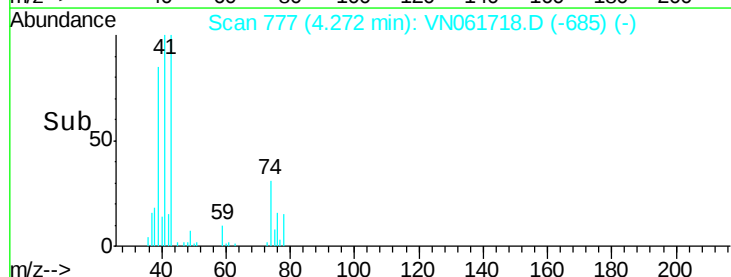
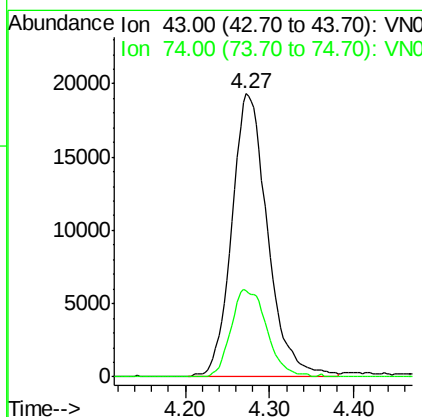
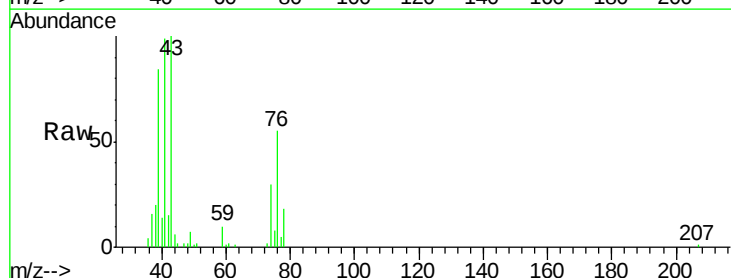
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0609WBSD01

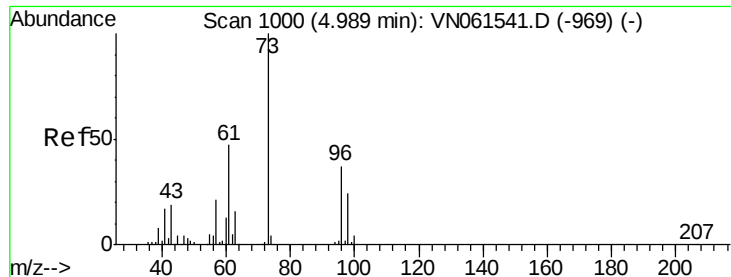
Tot Ion: 76 Resp: 109723  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.8 11.6



#18  
Methyl Acetate  
Concen: 17.718 ug/l  
RT: 4.27 min Scan# 777  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion: 43 Resp: 57138  
Ion Ratio Lower Upper  
43 100  
74 30.7 23.2 34.8



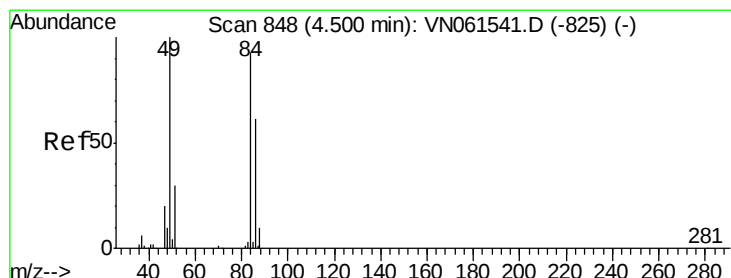
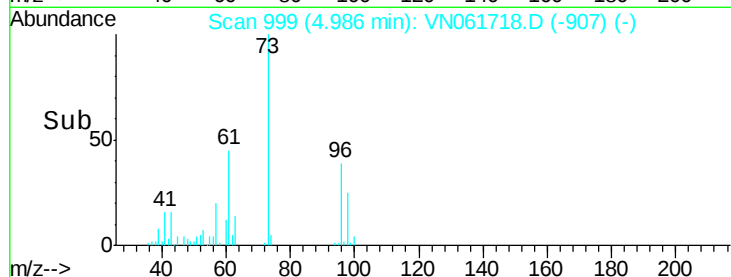
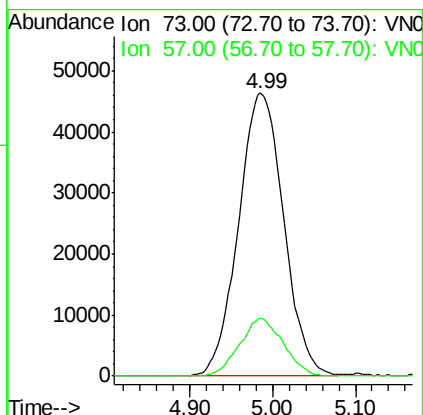
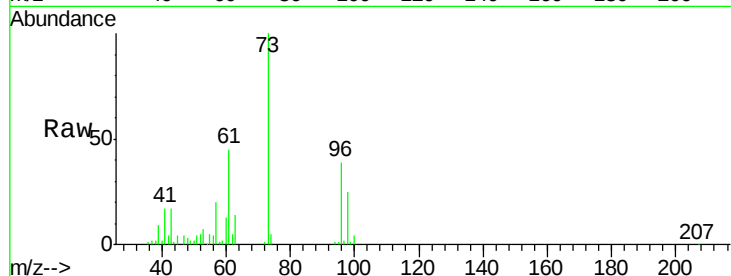


#19

Methyl tert-butyl Ether  
 Concen: 16.872 ug/l  
 RT: 4.99 min Scan# 999  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0609WBSD01

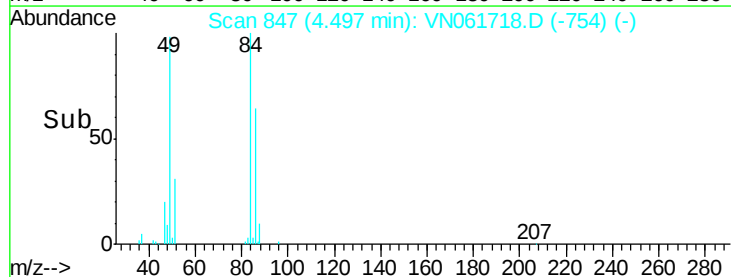
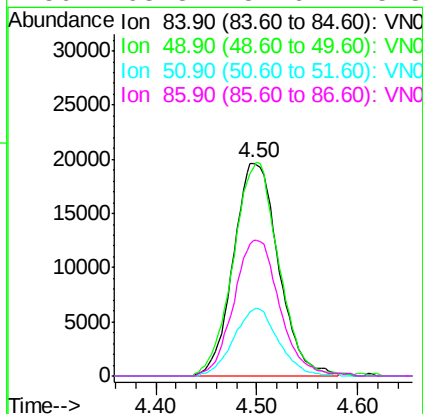
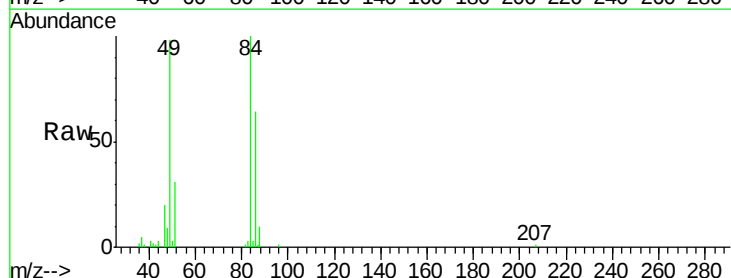
Tot Ion: 73 Resp: 175676  
 Ion Ratio Lower Upper  
 73 100  
 57 20.4 16.4 24.6

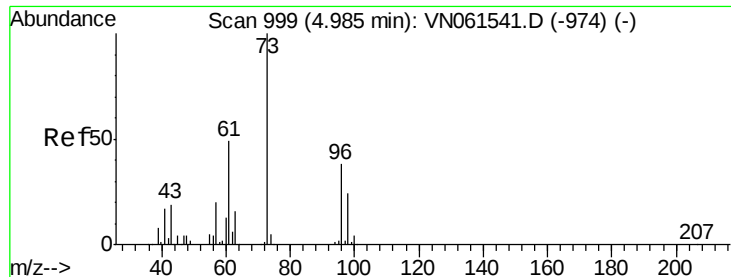


#20

Methylene Chloride  
 Concen: 17.702 ug/l  
 RT: 4.50 min Scan# 847  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Tgt Ion: 84 Resp: 60954  
 Ion Ratio Lower Upper  
 84 100  
 49 98.0 85.8 128.8  
 51 31.1 26.2 39.2  
 86 63.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 16.931 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

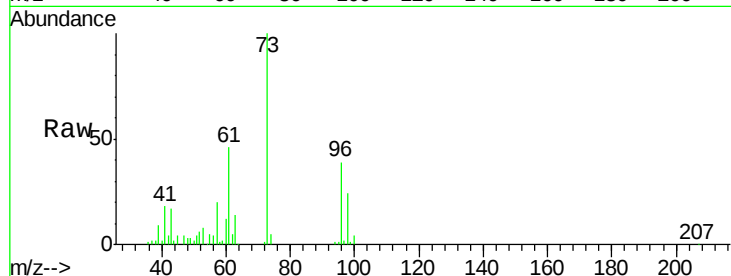
Tot Ion: 96 Resp: 58334

Ion Ratio Lower Upper

96 100

61 115.8 101.4 152.0

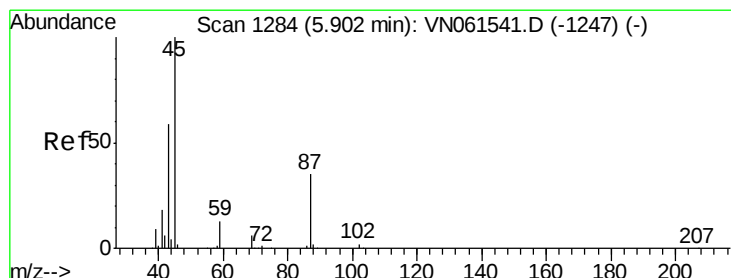
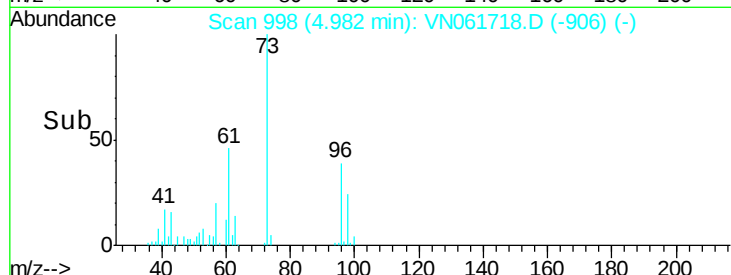
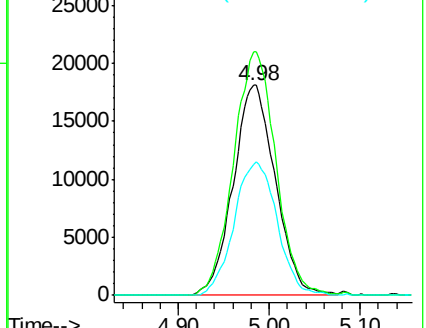
98 62.1 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061718.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN061718.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN061718.D (-906) (-)



#22

Diisopropyl ether

Concen: 16.952 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Tgt Ion: 45 Resp: 149229

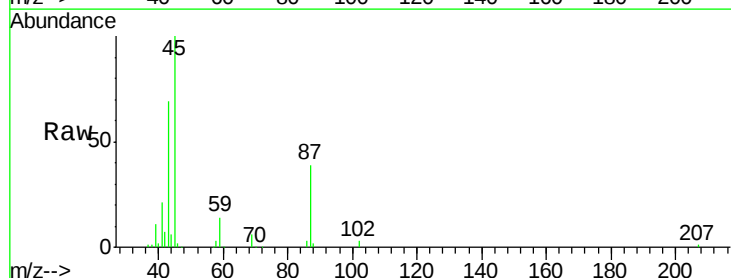
Ion Ratio Lower Upper

45 100

43 66.8 47.9 71.9

87 38.9 28.4 42.6

59 14.4 10.5 15.7

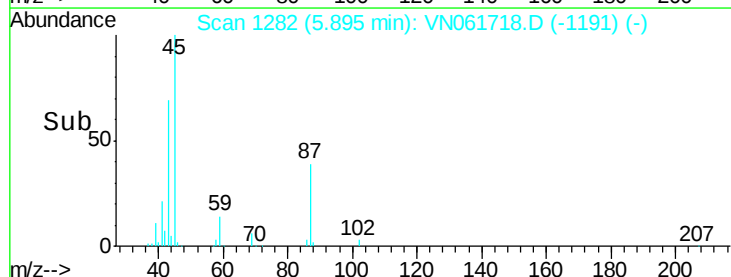
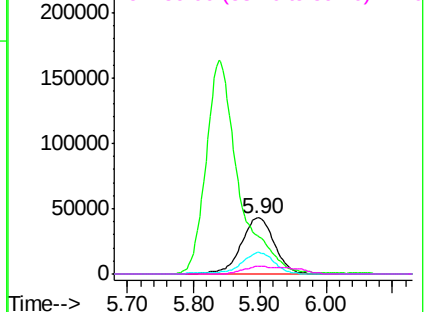


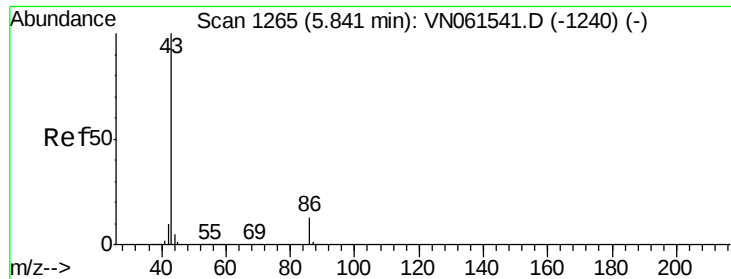
Abundance Ion 45.00 (44.70 to 45.70): VN061718.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061718.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061718.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061718.D (-1191) (-)

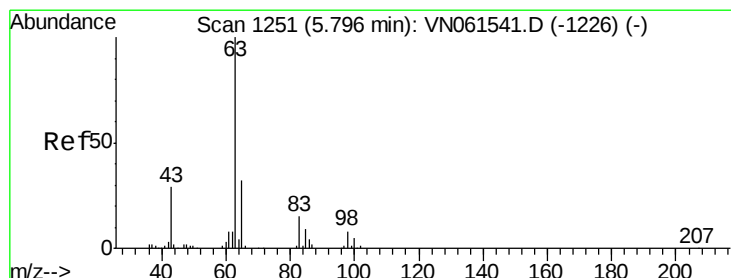
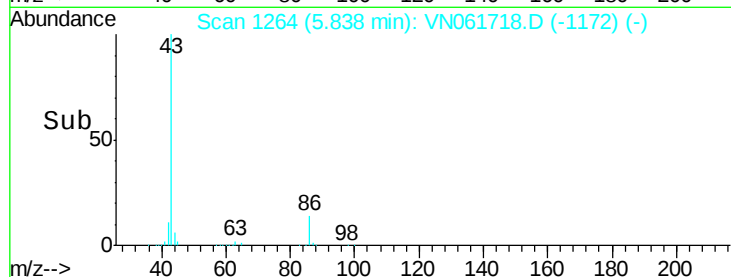
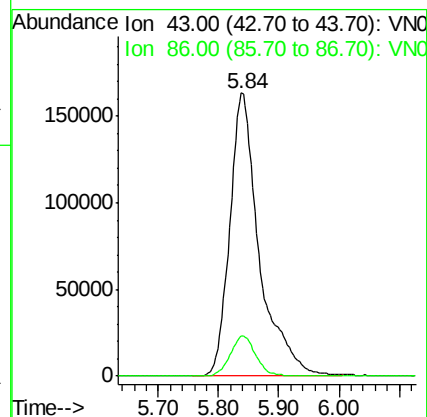
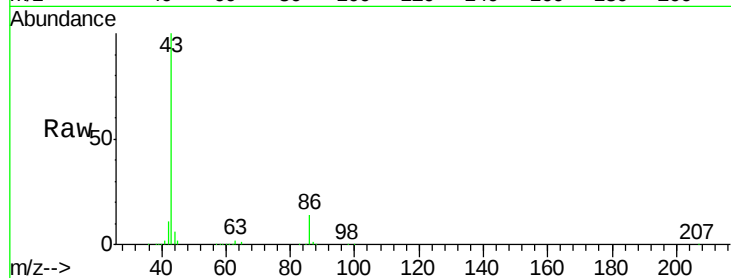




#23  
 Vinyl Acetate  
 Concen: 79.482 ug/l  
 RT: 5.84 min Scan# 1264  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

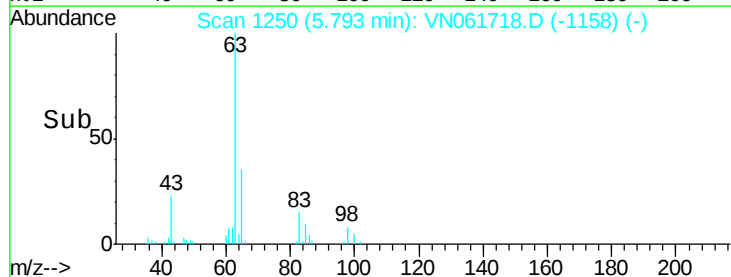
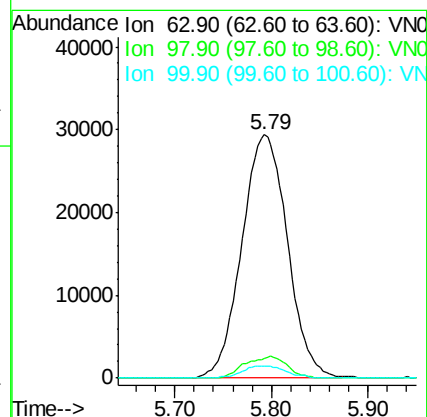
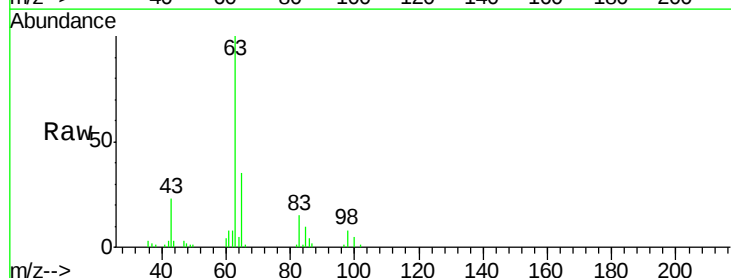
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0609WBSD01

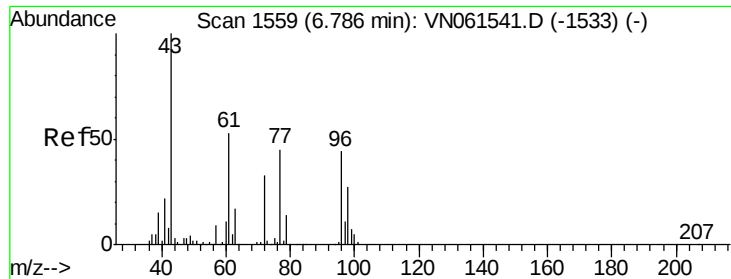
Tot Ion: 43 Resp: 557679  
 Ion Ratio Lower Upper  
 43 100  
 86 14.2 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 17.230 ug/l  
 RT: 5.79 min Scan# 1250  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Tgt Ion: 63 Resp: 96182  
 Ion Ratio Lower Upper  
 63 100  
 98 8.2 3.8 11.4  
 100 4.9 2.5 7.6

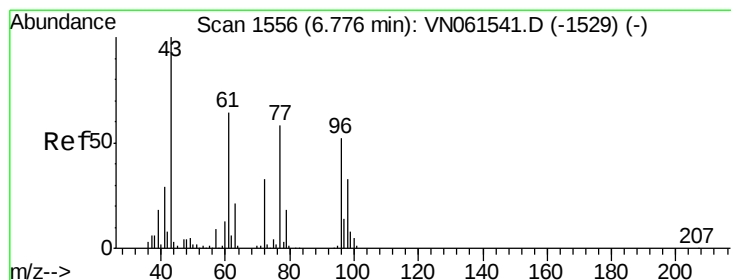
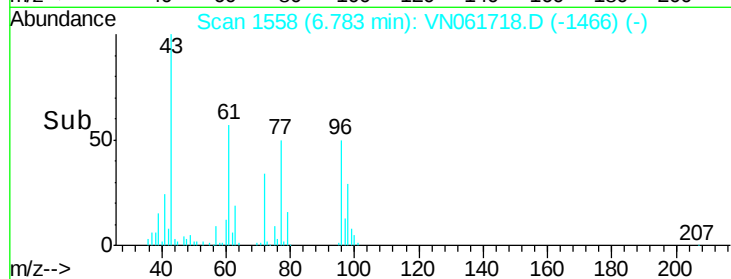
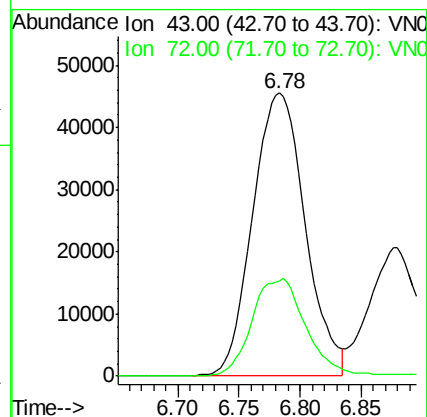
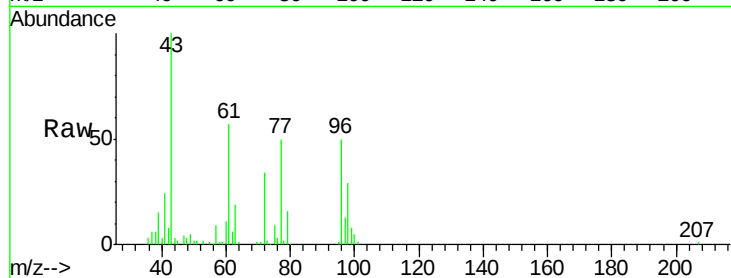




#25  
2-Butanone  
Concen: 80.742 ug/l  
RT: 6.78 min Scan# 1558  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

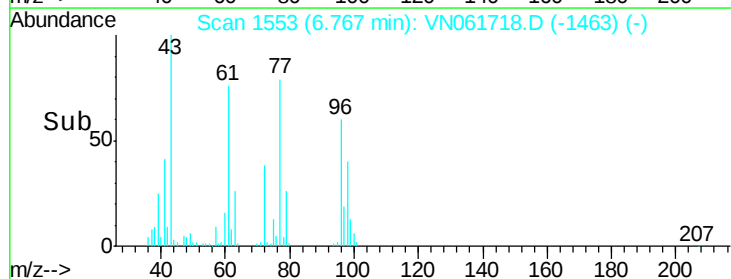
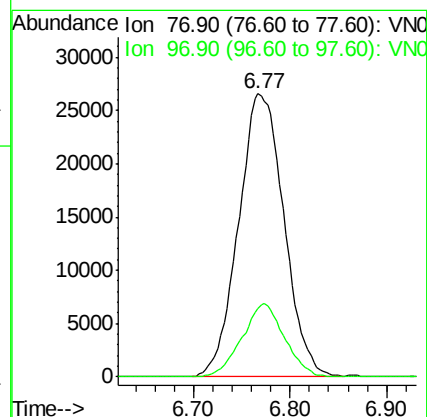
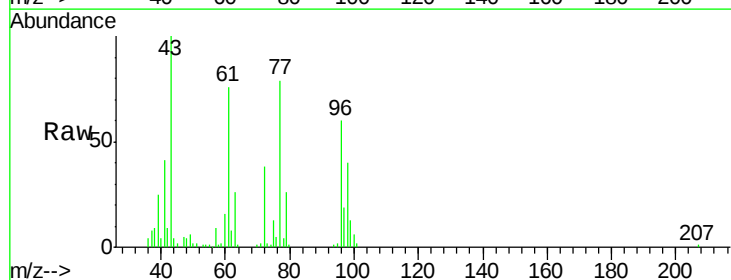
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0609WBSD01

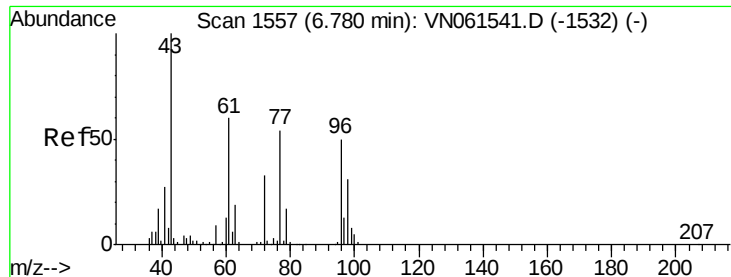
Tot Ion: 43 Resp: 136314  
Ion Ratio Lower Upper  
43 100  
72 33.8 26.0 39.0



#26  
2,2-Dichloropropane  
Concen: 16.948 ug/l  
RT: 6.77 min Scan# 1553  
Delta R.T. -0.01 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion: 77 Resp: 86590  
Ion Ratio Lower Upper  
77 100  
97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 17.898 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

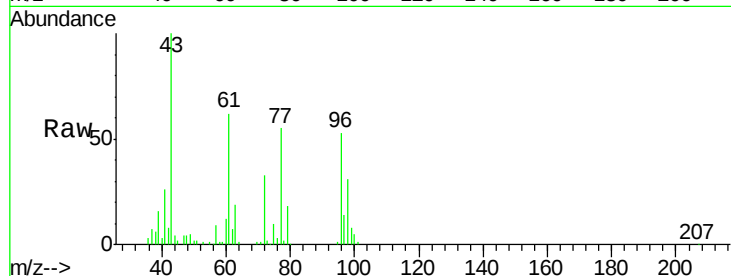
Tot Ion: 96 Resp: 69829

Ion Ratio Lower Upper

96 100

61 120.9 0.0 252.2

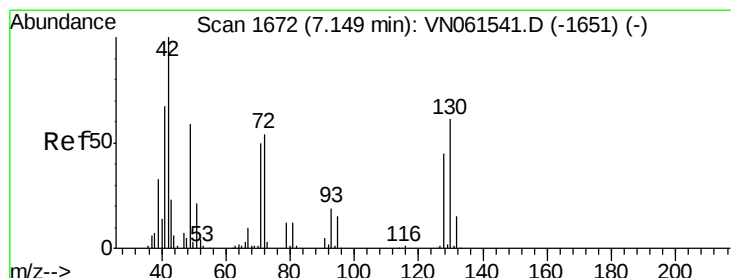
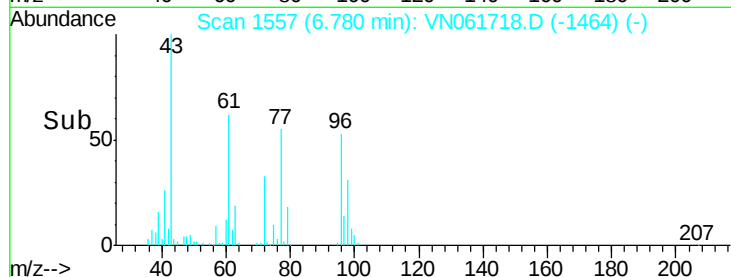
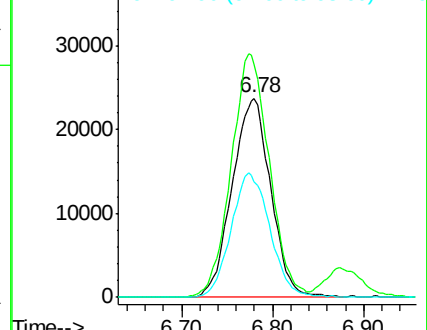
98 62.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061718.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061718.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061718.D (-1464) (-)



#28

Bromochloromethane

Concen: 19.773 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

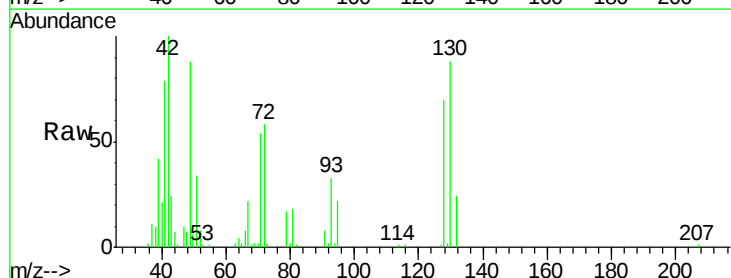
Tgt Ion: 49 Resp: 43206

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.8

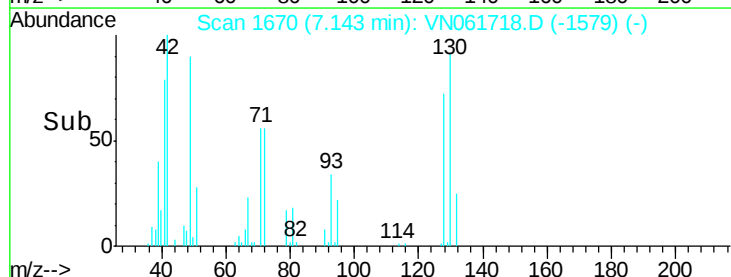
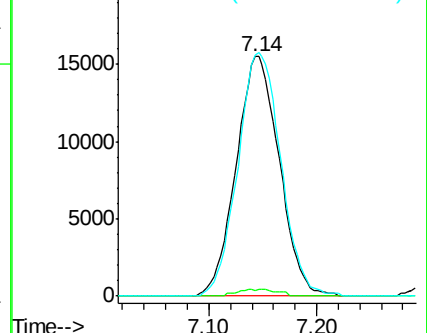
130 101.1 78.8 118.2

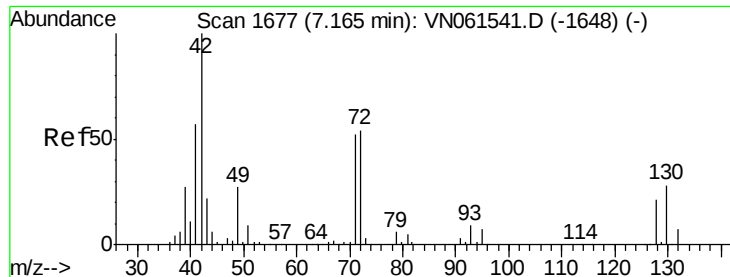


Abundance Ion 48.90 (48.60 to 49.60): VN061718.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061718.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061718.D (-1579) (-)

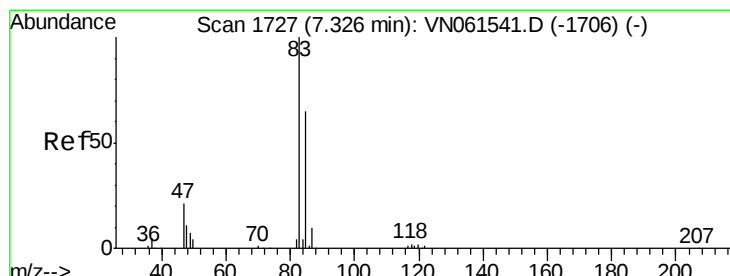
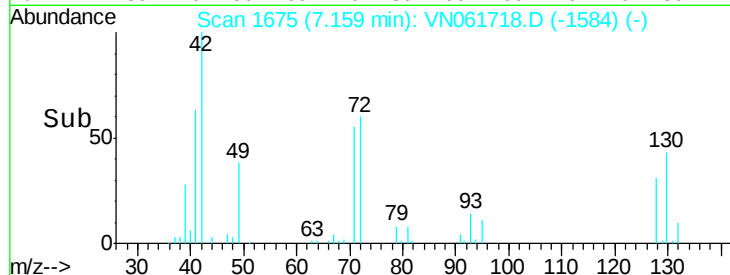
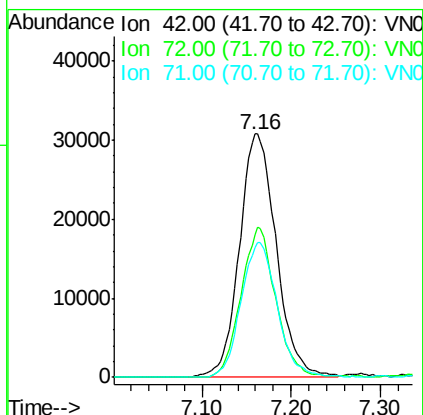
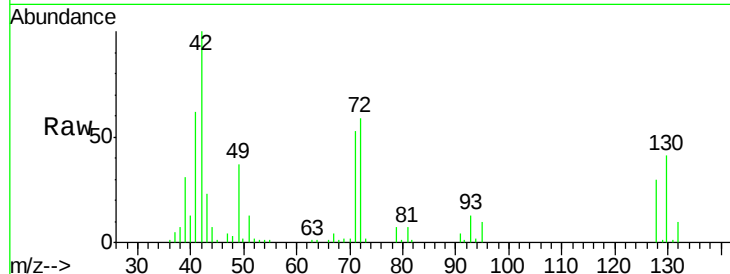




#29  
Tetrahydrofuran  
Concen: 79.388 ug/l  
RT: 7.16 min Scan# 1675  
Delta R.T. -0.01 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

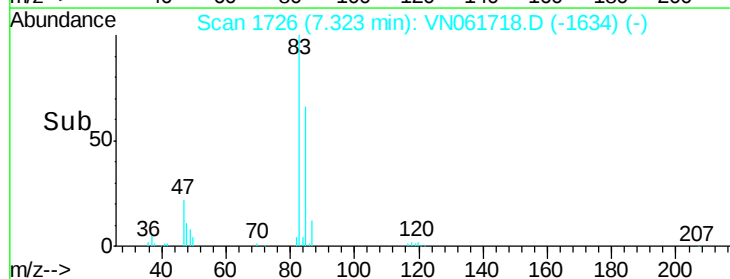
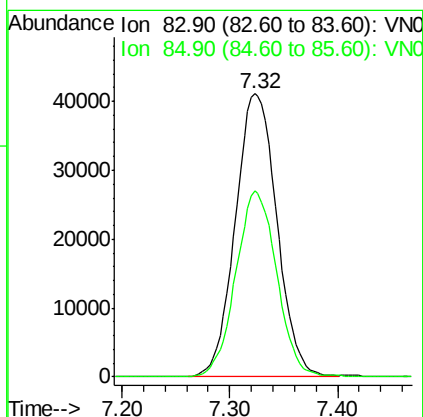
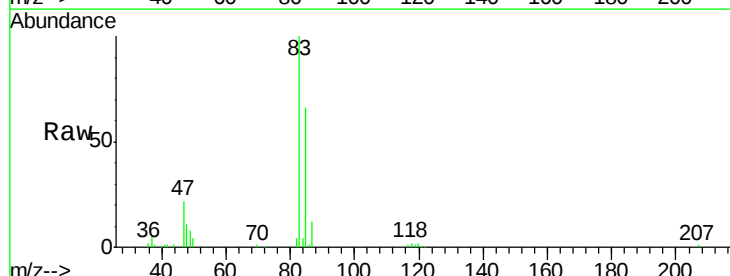
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0609WBSD01

Tot Ion: 42 Resp: 88380  
Ion Ratio Lower Upper  
42 100  
72 58.1 43.6 65.4  
71 54.4 41.2 61.8



#30  
Chloroform  
Concen: 17.785 ug/l  
RT: 7.32 min Scan# 1726  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion: 83 Resp: 109834  
Ion Ratio Lower Upper  
83 100  
85 65.9 51.7 77.5





#31

Cyclohexane

Concen: 15.723 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

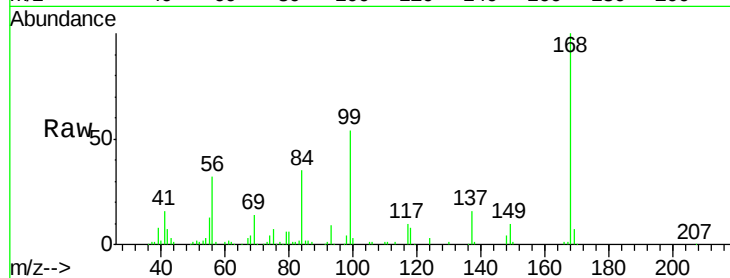
Tot Ion: 56 Resp: 78937

Ion Ratio Lower Upper

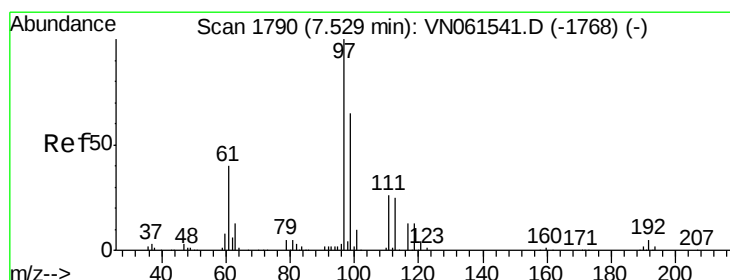
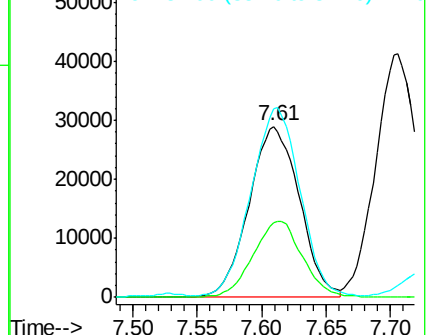
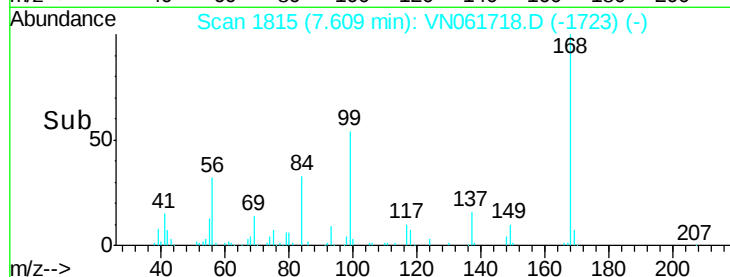
56 100

69 43.4 27.8 41.8#

84 109.3 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN061718.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 16.826 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

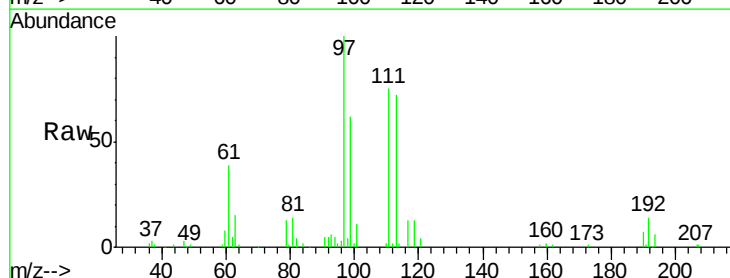
Tgt Ion: 97 Resp: 94687

Ion Ratio Lower Upper

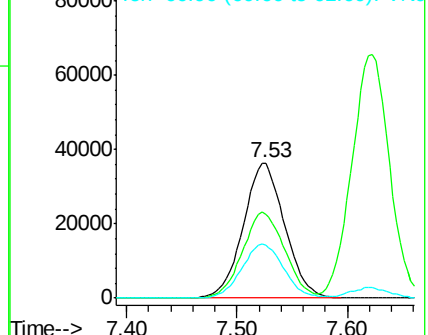
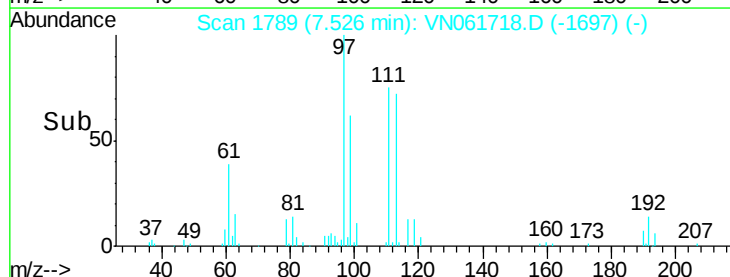
97 100

99 64.8 51.4 77.0

61 40.4 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN061718.D (-1697) (-)

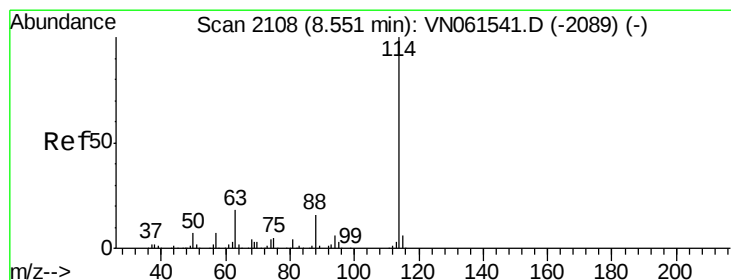
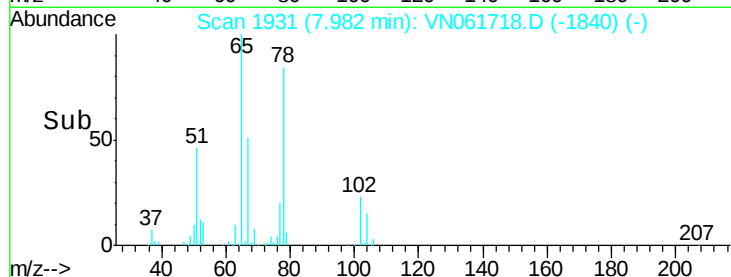
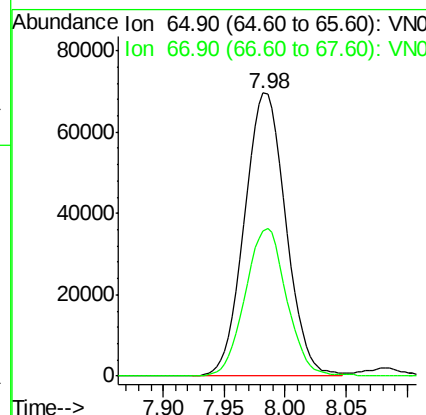
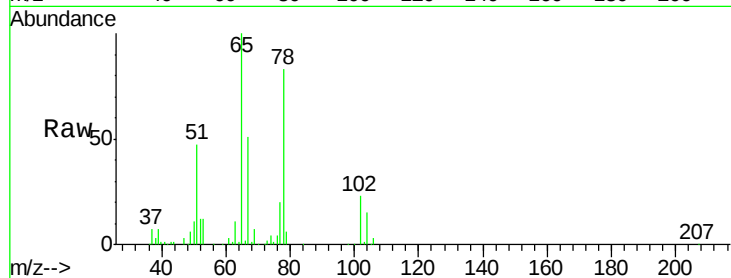




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.897 ug/l  
 RT: 7.98 min Scan# 1931  
 Delta R.T. -0.01 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

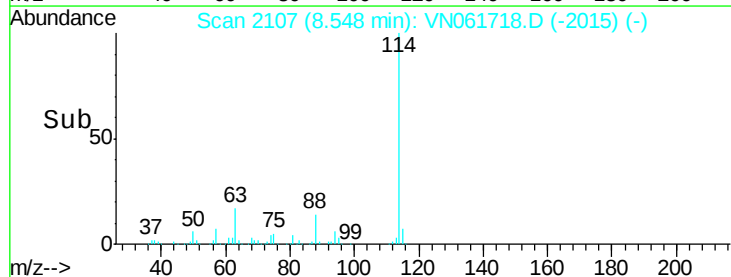
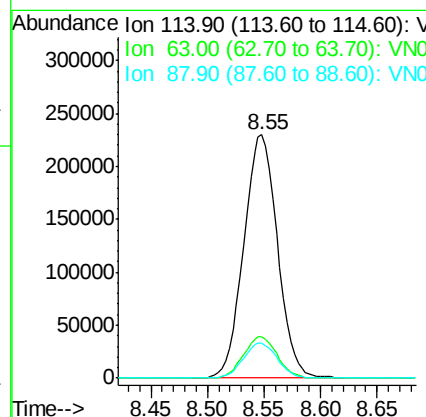
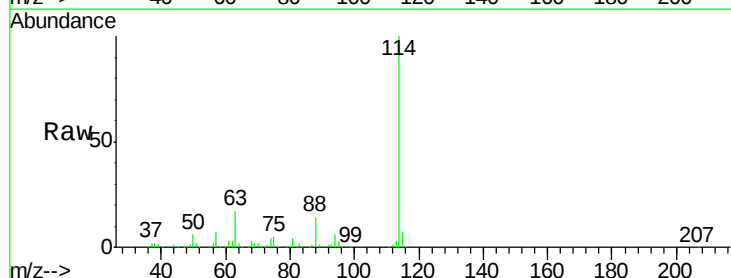
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0609WBSD01

Tot Ion: 65 Resp: 163497  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Tgt Ion: 114 Resp: 477782  
 Ion Ratio Lower Upper  
 114 100  
 63 17.1 0.0 35.8  
 88 14.2 0.0 31.0

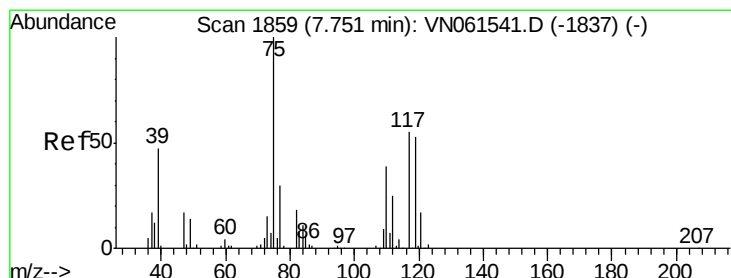
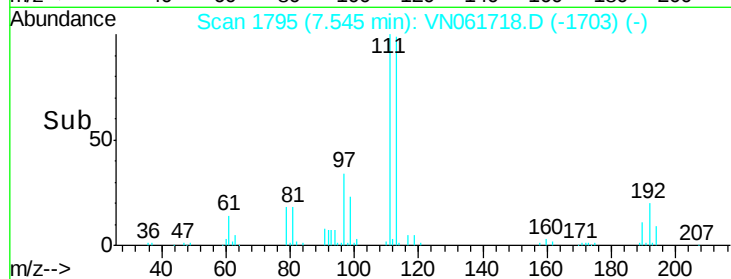
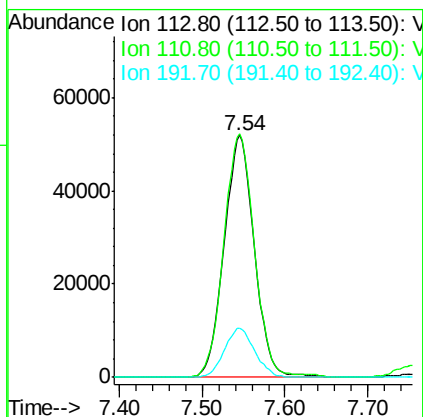
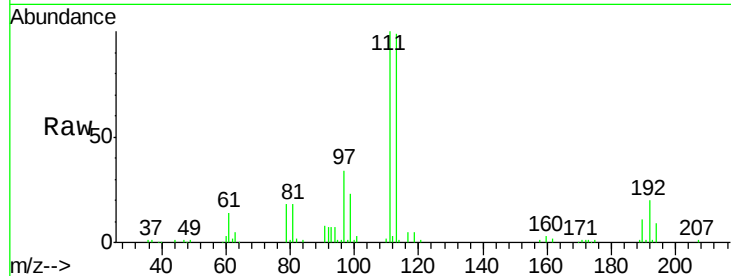




#35  
 Dibromofluoromethane  
 Concen: 54.114 ug/l  
 RT: 7.54 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

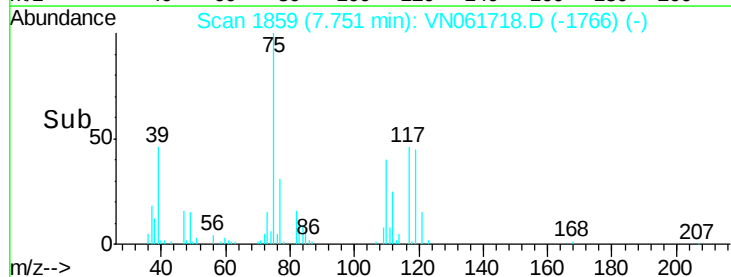
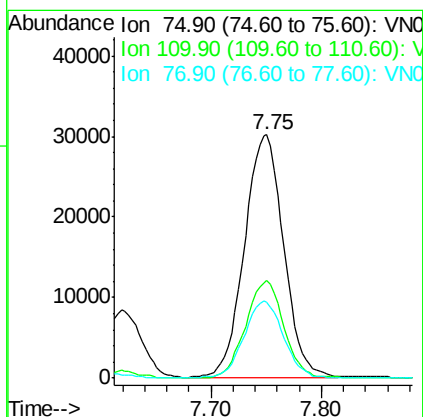
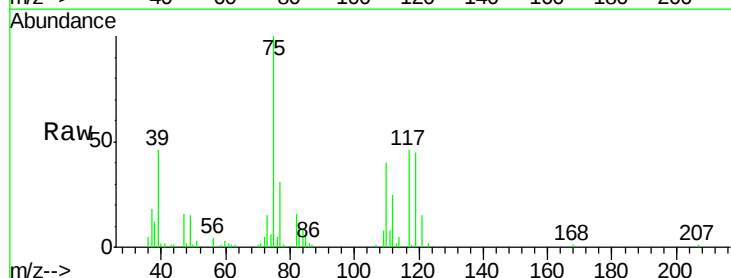
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0609WBSD01

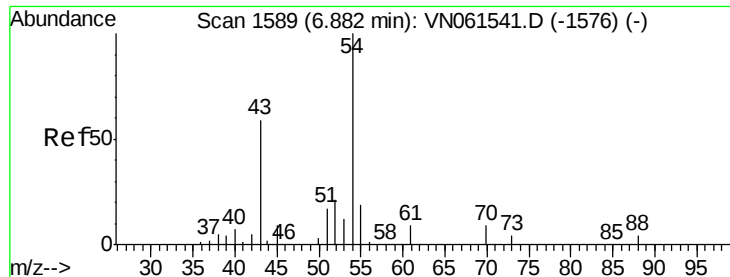
Tot Ion:113 Resp: 131156  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 83.4 125.0  
 192 20.4 15.4 23.2



#36  
 1,1-Dichloropropene  
 Concen: 17.701 ug/l  
 RT: 7.75 min Scan# 1859  
 Delta R.T. 0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Tgt Ion: 75 Resp: 74867  
 Ion Ratio Lower Upper  
 75 100  
 110 38.7 19.5 58.5  
 77 31.6 24.7 37.1

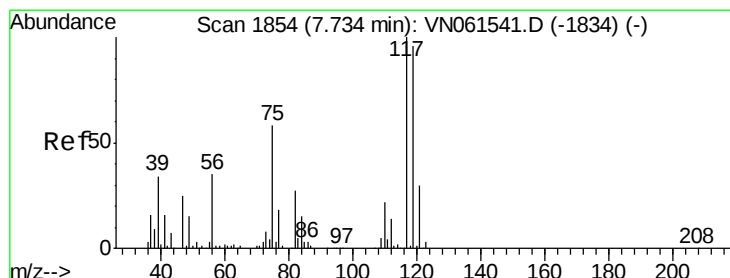
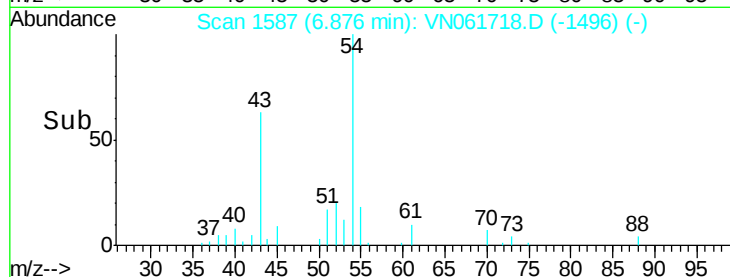
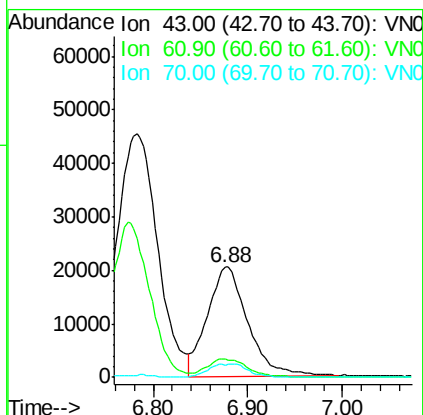
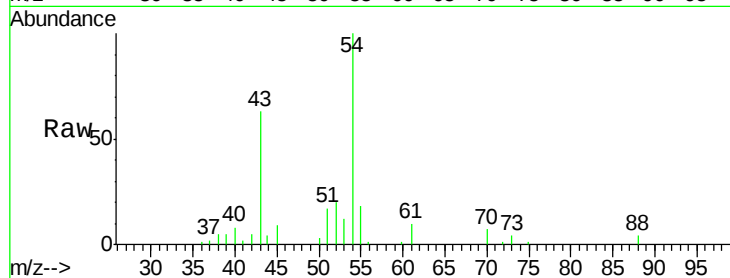




#37  
Ethyl Acetate  
Concen: 17.832 ug/l  
RT: 6.88 min Scan# 1587  
Delta R.T. -0.01 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

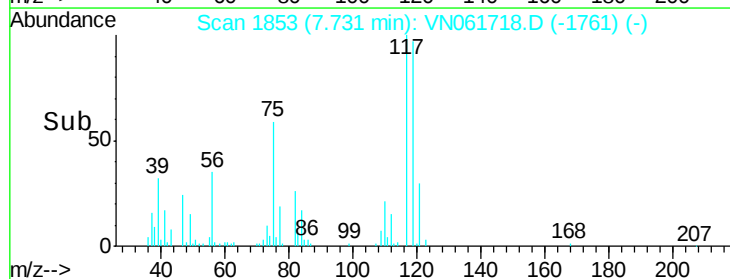
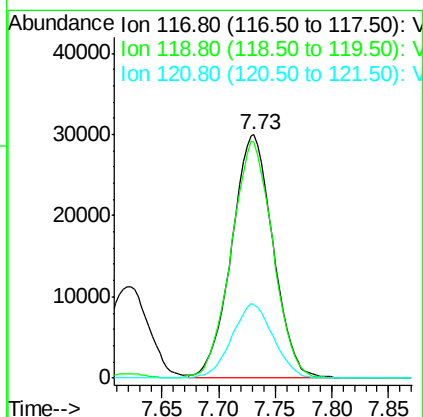
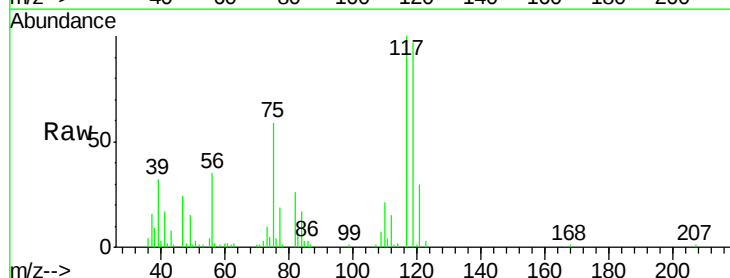
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0609WBSD01

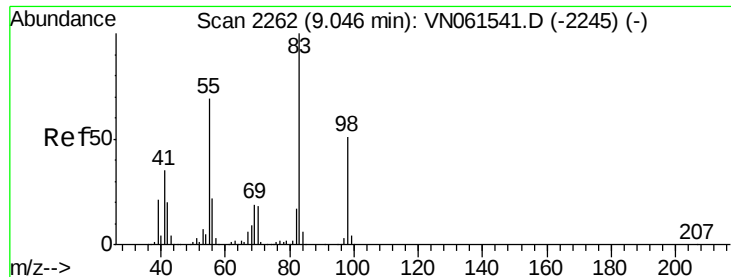
Tot Ion: 43 Resp: 60746  
Ion Ratio Lower Upper  
43 100  
61 16.8 12.2 18.4  
70 5.6 9.4 14.2#



#38  
Carbon Tetrachloride  
Concen: 18.691 ug/l  
RT: 7.73 min Scan# 1853  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion: 117 Resp: 76257  
Ion Ratio Lower Upper  
117 100  
119 97.0 76.5 114.7  
121 30.4 24.1 36.1

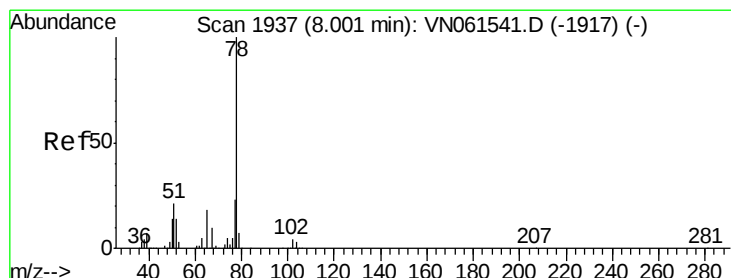
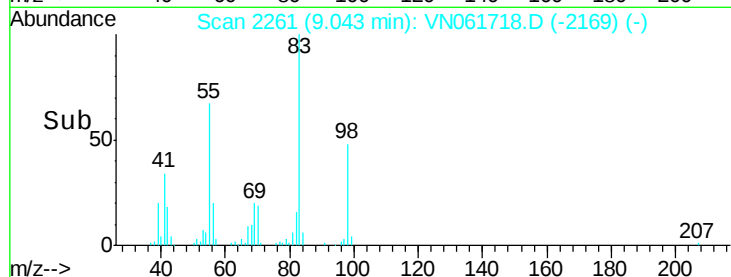
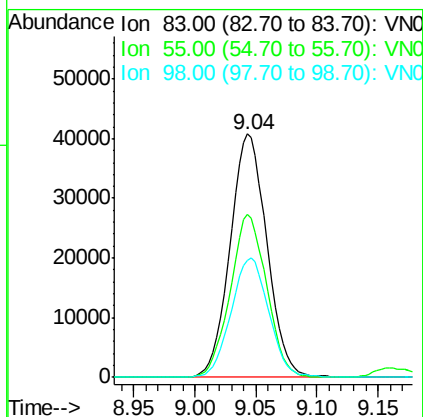
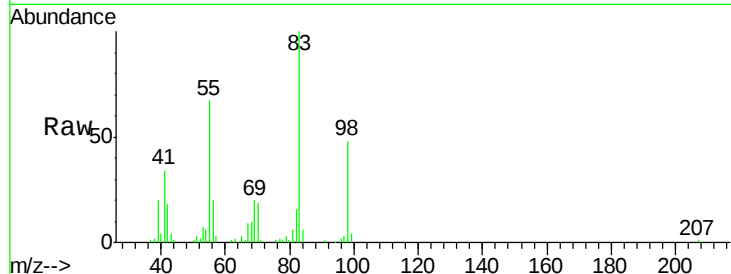




#39  
Methvlcvclohexane  
Concen: 16.376 ug/l  
RT: 9.04 min Scan# 2261  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

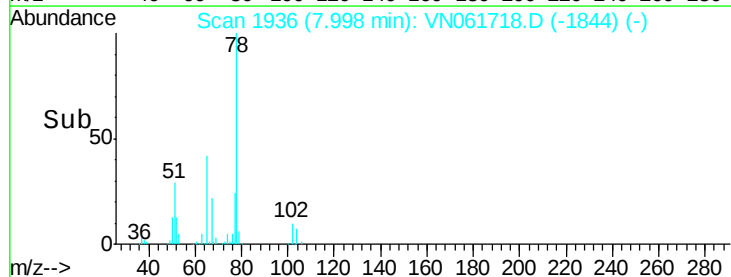
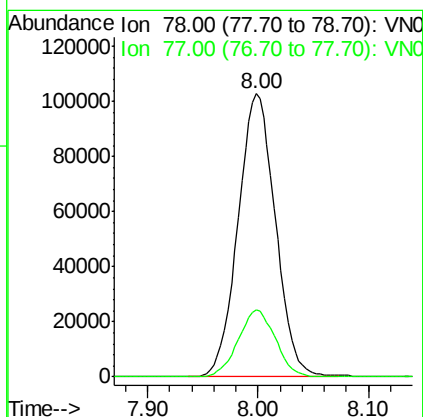
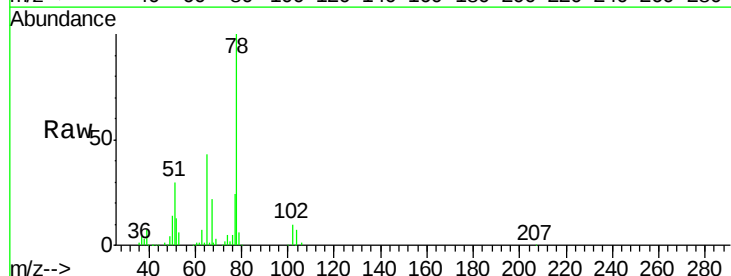
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0609WBSD01

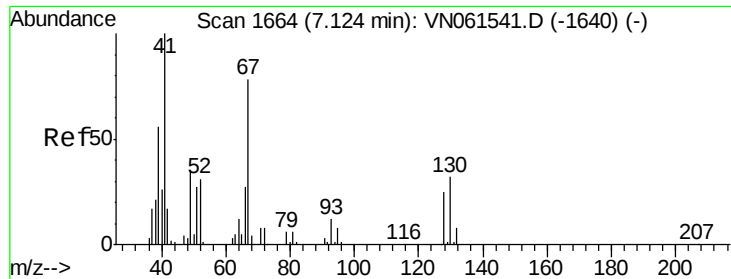
Tot Ion: 83 Resp: 85371  
Ion Ratio Lower Upper  
83 100  
55 67.2 54.9 82.3  
98 48.1 41.0 61.4



#40  
Benzene  
Concen: 18.462 ug/l  
RT: 8.00 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion: 78 Resp: 240932  
Ion Ratio Lower Upper  
78 100  
77 23.9 18.6 28.0

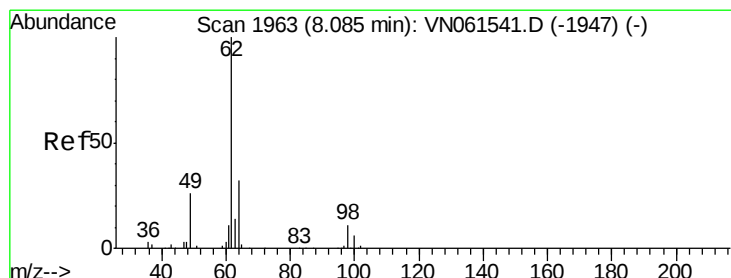
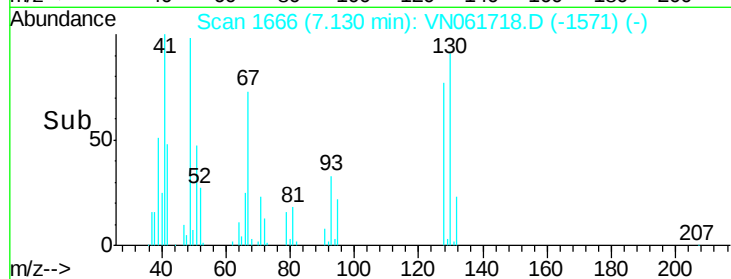
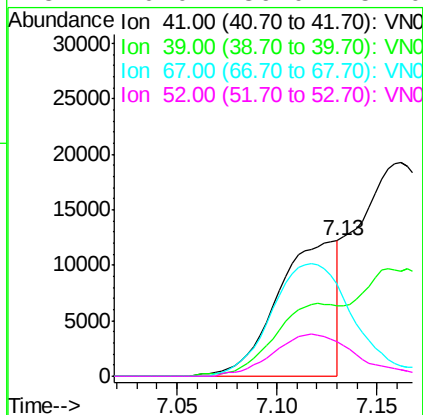
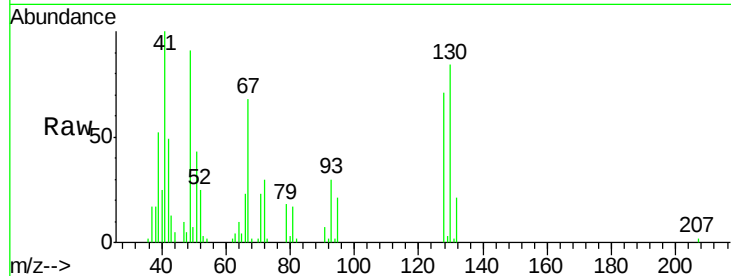




#41  
Methacrylonitrile  
Concen: 16.377 ug/l m  
RT: 7.13 min Scan# 1666  
Delta R.T. 0.01 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

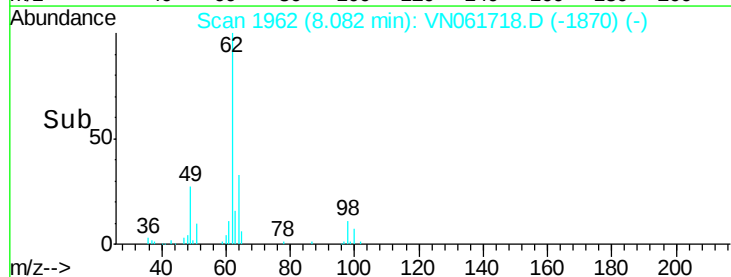
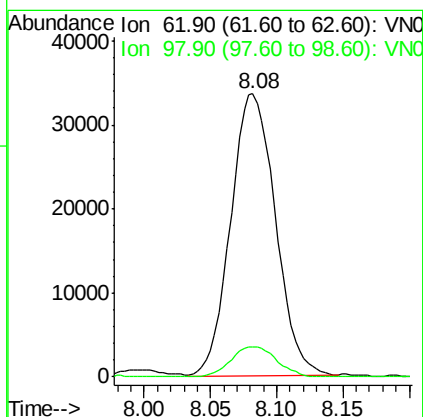
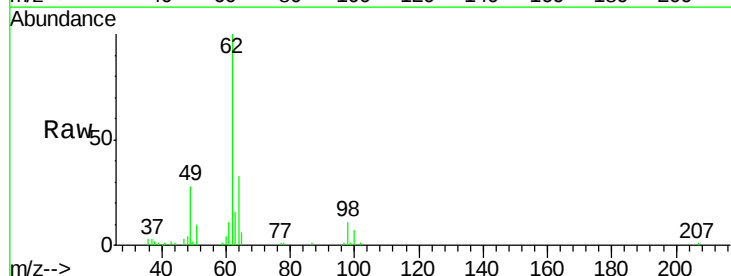
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0609WBSD01

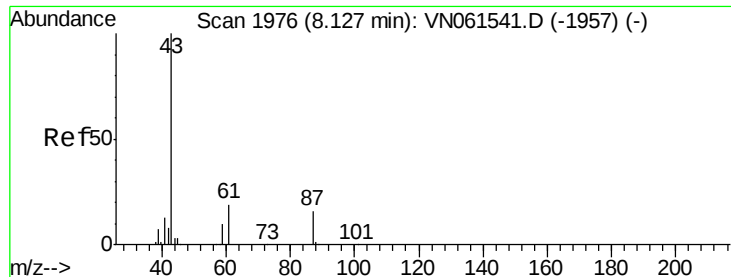
Tot Ion: 41 Resp: 25561  
Ion Ratio Lower Upper  
41 100  
39 101.9 53.8 80.6#  
67 0.0 91.1 136.7#  
52 0.0 36.0 54.0#



#42  
1,2-Dichloroethane  
Concen: 17.947 ug/l  
RT: 8.08 min Scan# 1962  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion: 62 Resp: 78410  
Ion Ratio Lower Upper  
62 100  
98 10.9 0.0 21.4





#43

Isopropyl Acetate

Concen: 16.323 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

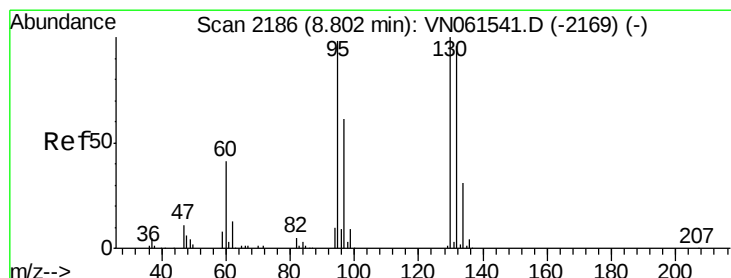
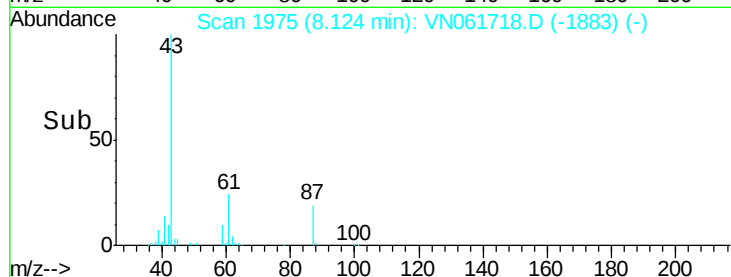
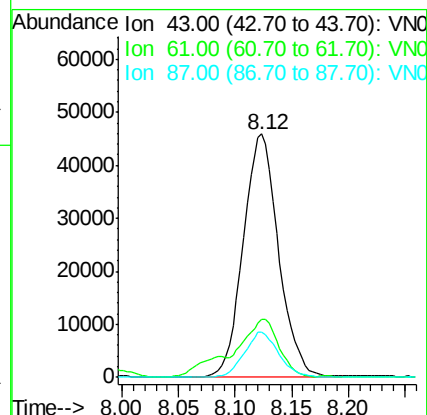
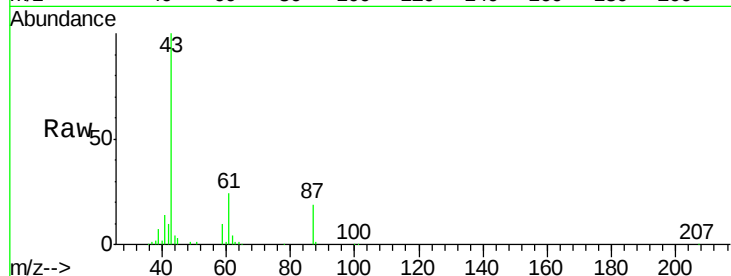
Tot Ion: 43 Resp: 100041

Ion Ratio Lower Upper

43 100

61 23.3 23.6 35.4#

87 17.9 13.0 19.6



#44

Trichloroethene

Concen: 18.215 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061718.D

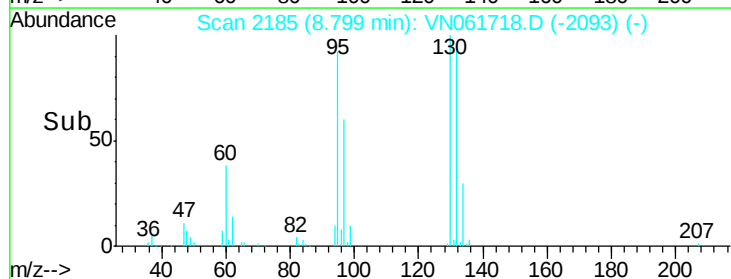
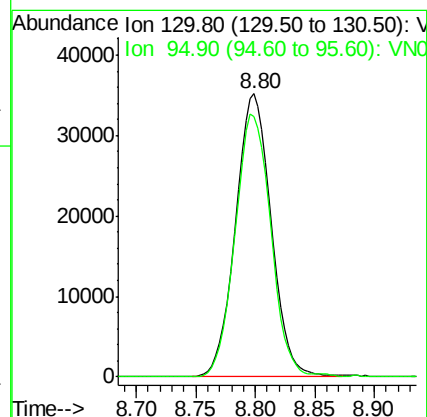
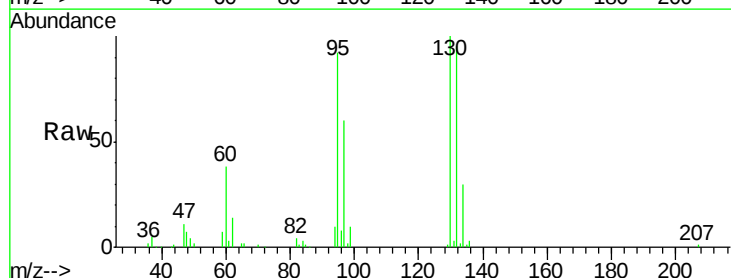
Acq: 9 Jun 2020 12:06

Tgt Ion:130 Resp: 73056

Ion Ratio Lower Upper

130 100

95 92.2 0.0 196.6





#45

1,2-Dichloropropane

Concen: 18.772 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

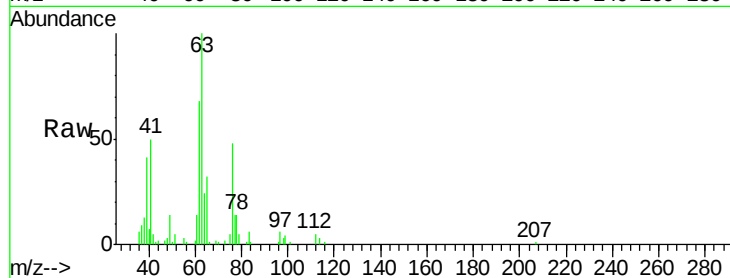
VN0609WBSD01

Tot Ion: 63 Resp: 58172

Ion Ratio Lower Upper

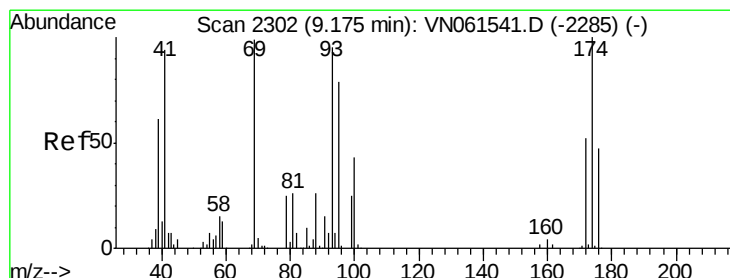
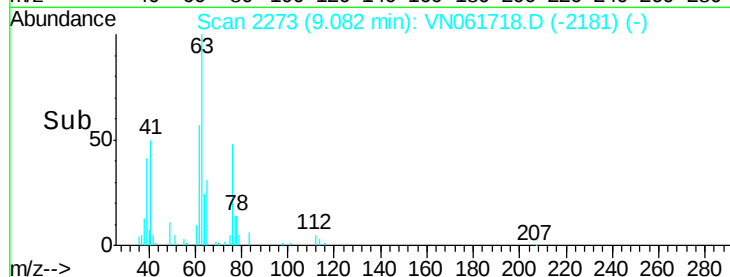
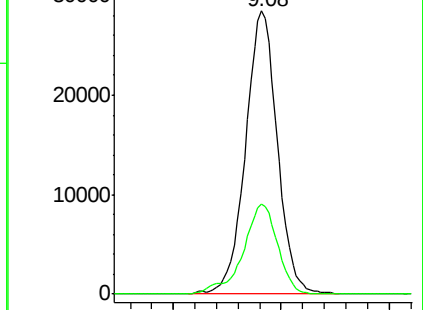
63 100

65 31.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061718.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN061718.D (-2181) (-)



#46

Dibromomethane

Concen: 18.731 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

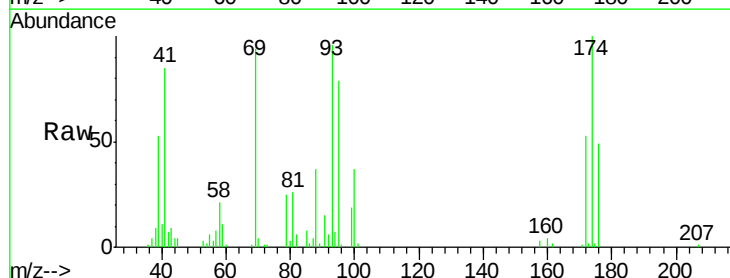
Tgt Ion: 93 Resp: 44516

Ion Ratio Lower Upper

93 100

95 82.9 66.0 99.0

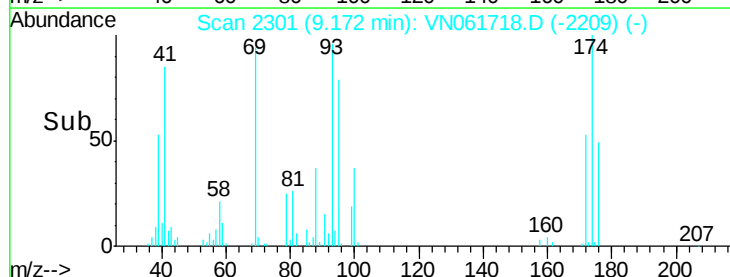
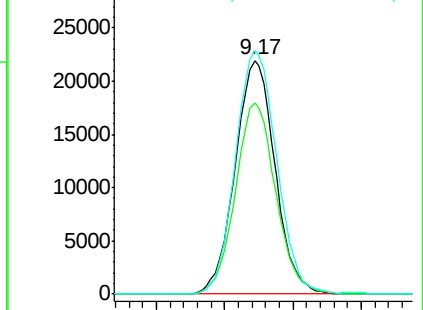
174 107.8 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN061718.D (-2209) (-)

Ion 94.80 (94.50 to 95.50): VN061718.D (-2209) (-)

Ion 173.70 (173.40 to 174.40): VN061718.D (-2209) (-)





#47

Bromodichloromethane

Concen: 18.657 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

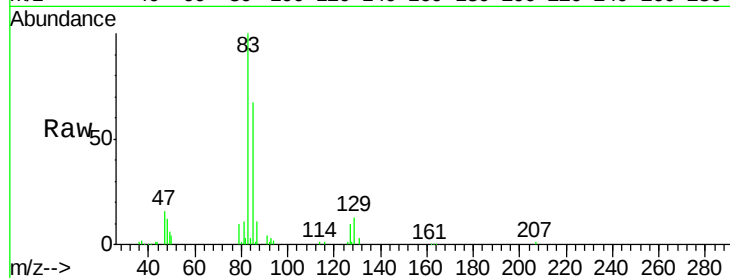
Tot Ion: 83 Resp: 87850

Ion Ratio Lower Upper

83 100

85 66.9 51.1 76.7

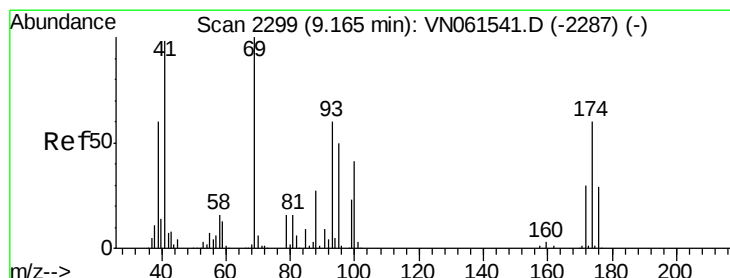
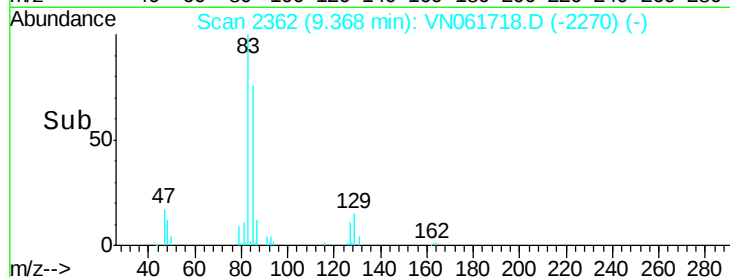
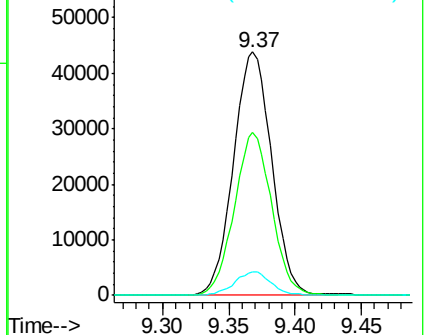
127 9.5 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061718.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061718.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061718.D (-2270) (-)



#48

Methyl methacrylate

Concen: 16.128 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

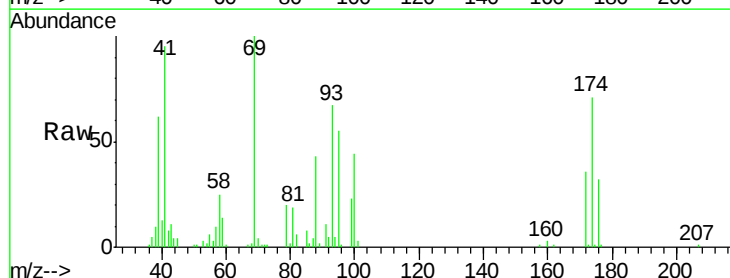
Tgt Ion: 41 Resp: 44473

Ion Ratio Lower Upper

41 100

69 107.7 83.9 125.9

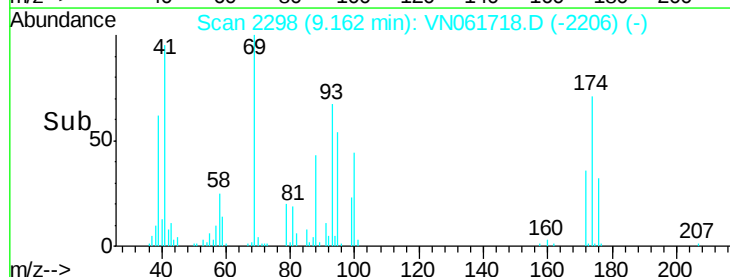
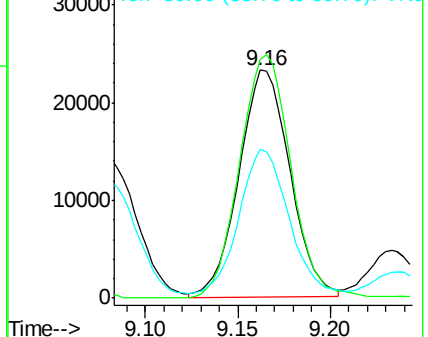
39 66.0 52.1 78.1

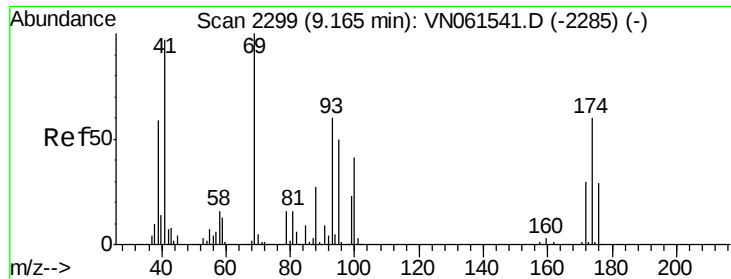


Abundance Ion 41.00 (40.70 to 41.70): VN061718.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061718.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061718.D (-2206) (-)

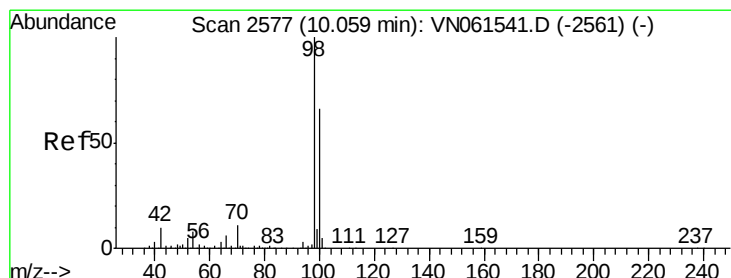
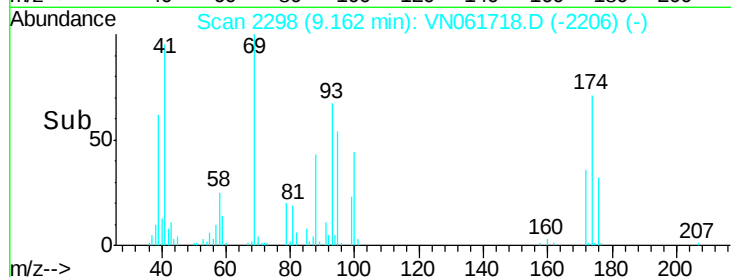
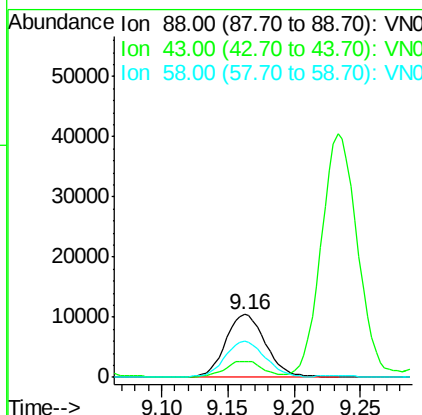
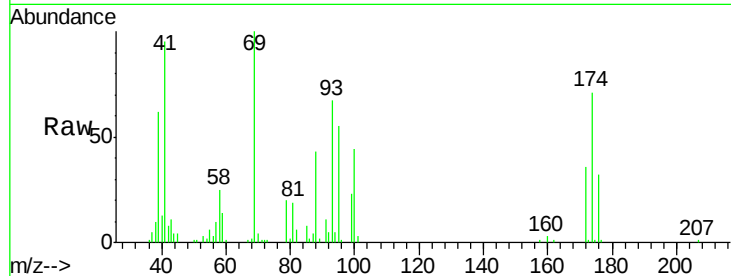




#49  
1,4-Dioxane  
Concen: 516.096 ug/l  
RT: 9.16 min Scan# 2298  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

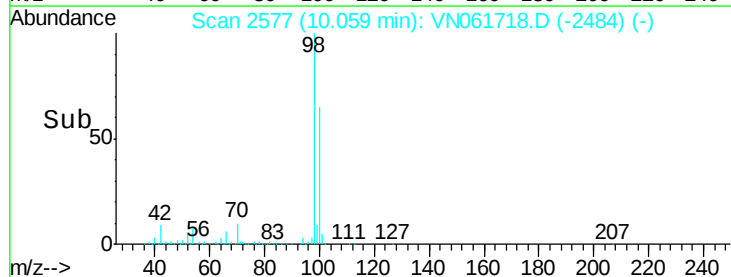
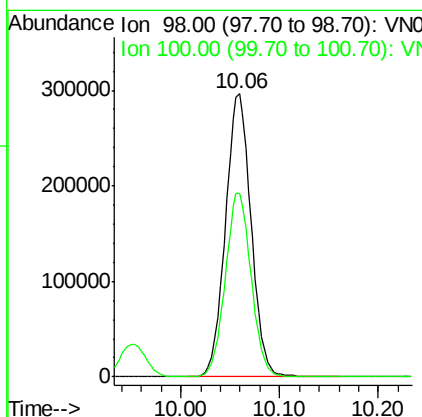
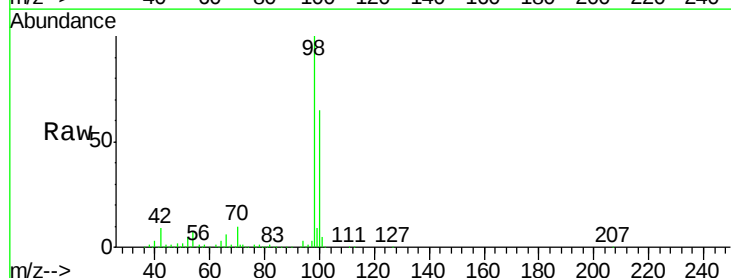
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0609WBSD01

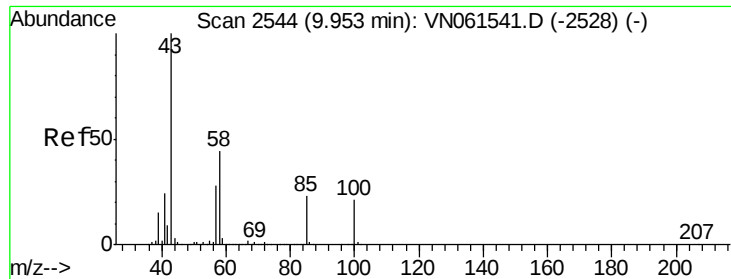
Tot Ion: 88 Resp: 22047  
Ion Ratio Lower Upper  
88 100  
43 24.4 23.1 34.7  
58 58.6 48.3 72.5



#50  
Toluene-d8  
Concen: 48.031 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. 0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion: 98 Resp: 539472  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 84.538 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

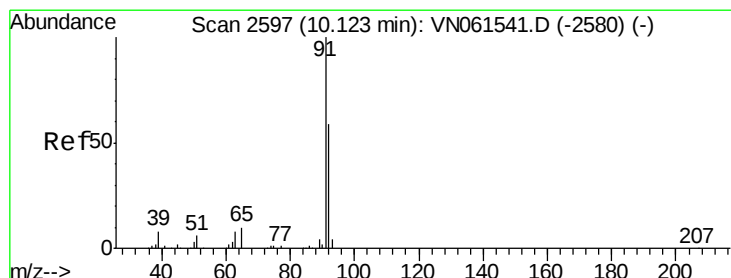
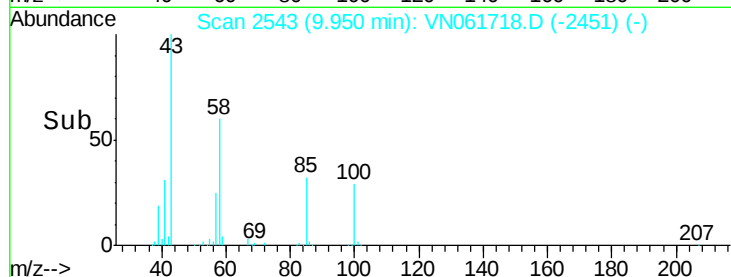
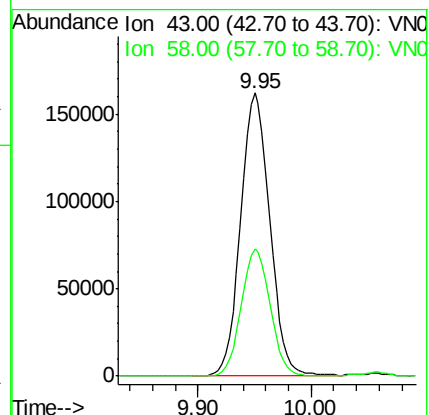
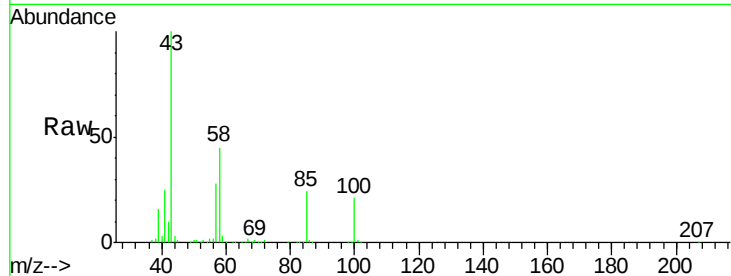
VN0609WBSD01

Tot Ion: 43 Resp: 291982

Ion Ratio Lower Upper

43 100

58 44.7 35.0 52.6



#52

Toluene

Concen: 18.412 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061718.D

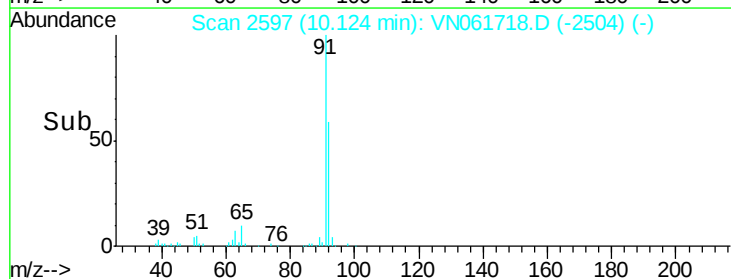
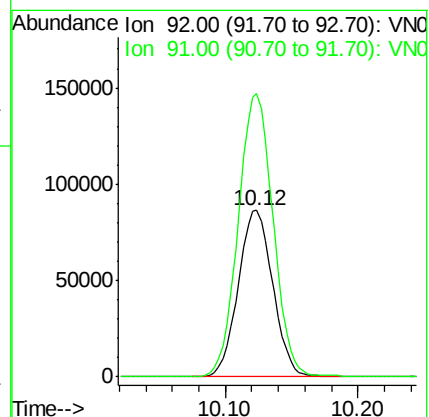
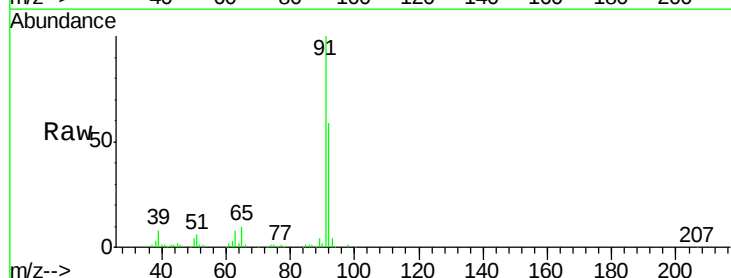
Acq: 9 Jun 2020 12:06

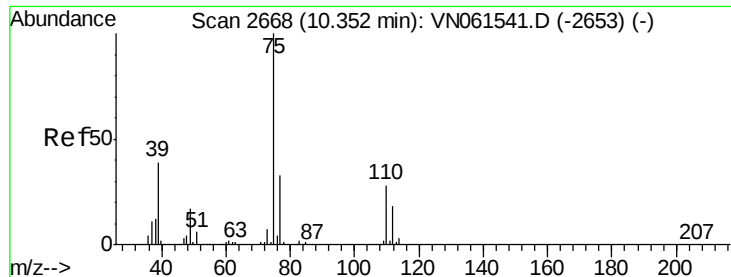
Tgt Ion: 92 Resp: 156826

Ion Ratio Lower Upper

92 100

91 171.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 17.793 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

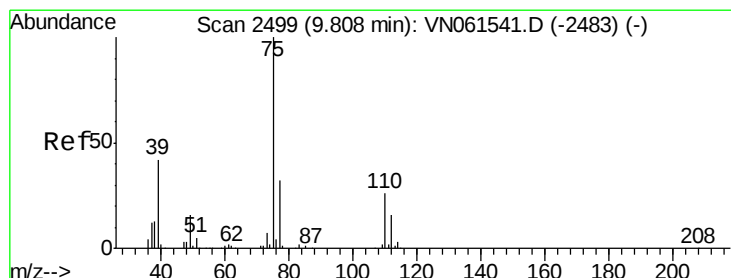
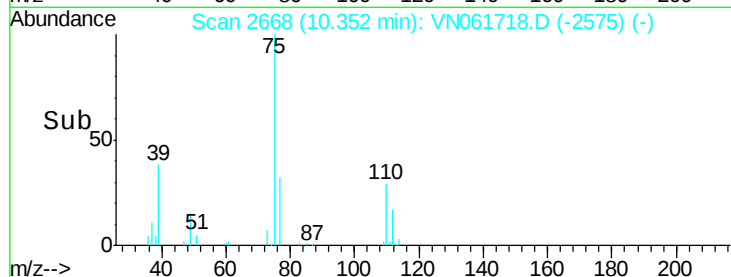
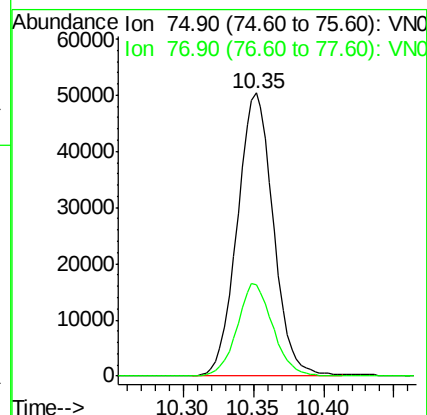
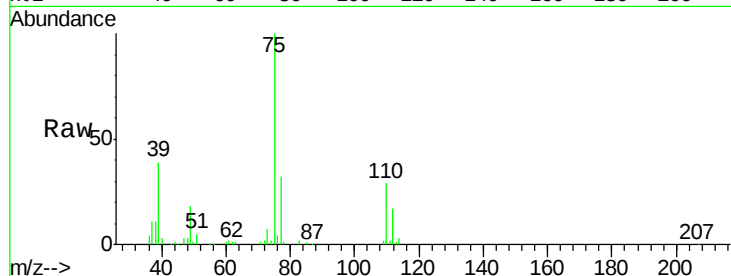
VN0609WBSD01

Tot Ion: 75 Resp: 90253

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 18.397 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

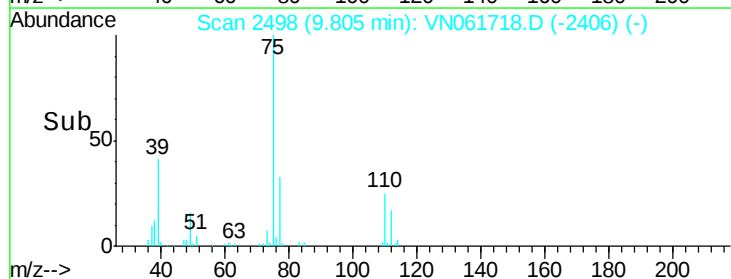
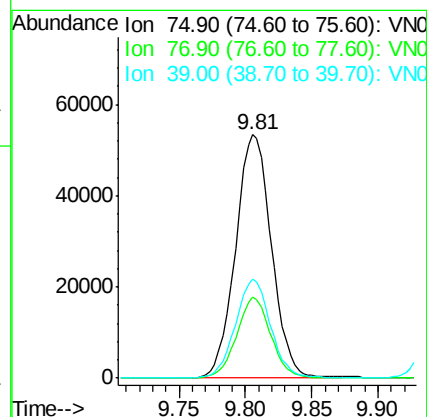
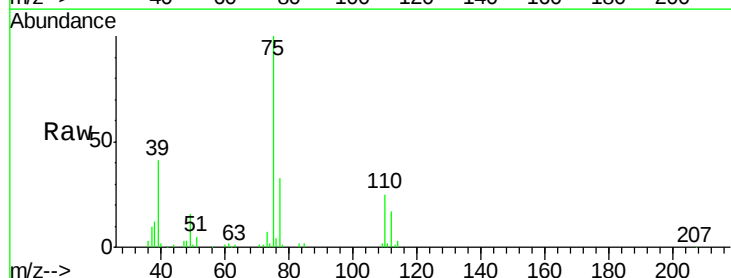
Tgt Ion: 75 Resp: 100341

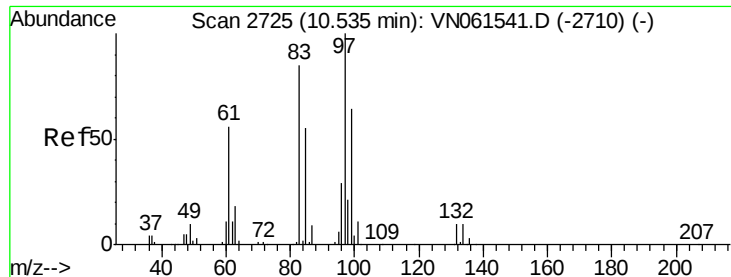
Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2

39 40.6 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 19.030 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

Tot Ion: 97 Resp: 64580

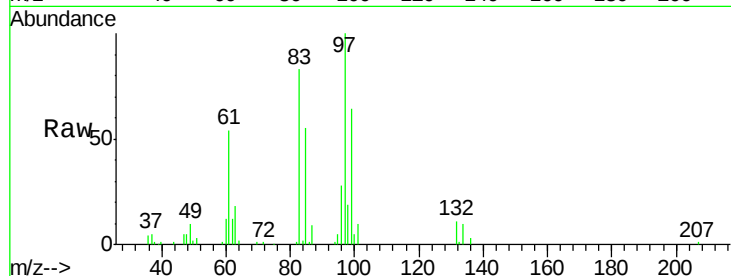
Ion Ratio Lower Upper

97 100

83 82.7 68.1 102.1

85 55.4 44.1 66.1

99 64.2 51.1 76.7

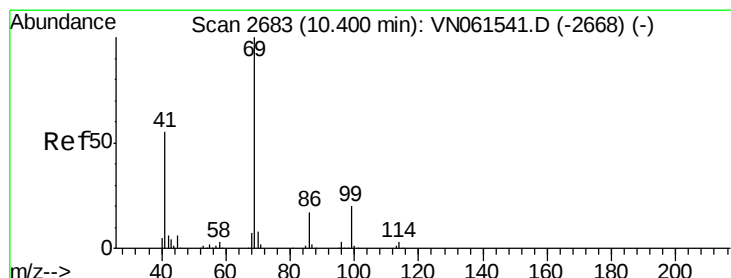
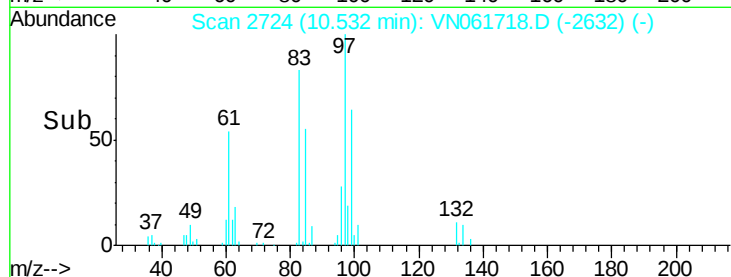
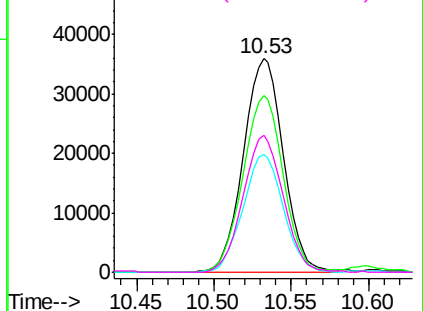


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 16.803 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

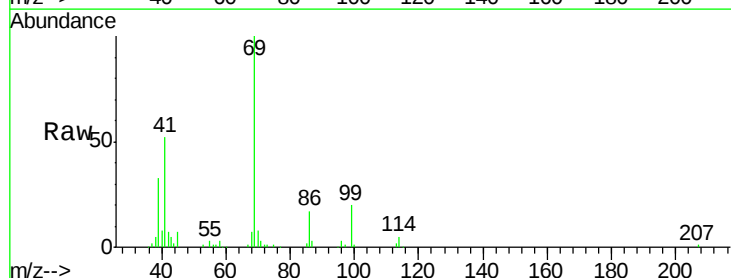
Tgt Ion: 69 Resp: 79653

Ion Ratio Lower Upper

69 100

41 53.4 43.5 65.3

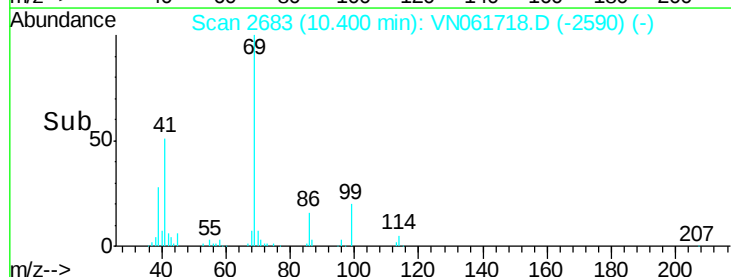
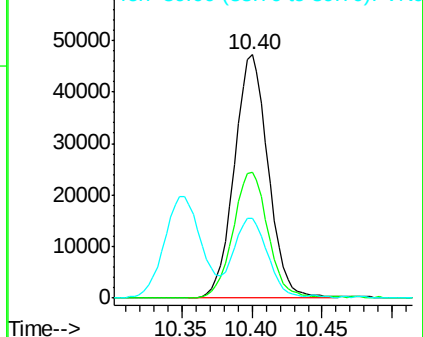
39 31.3 27.0 40.6

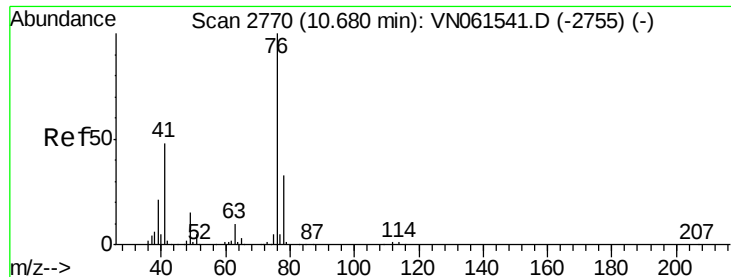


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

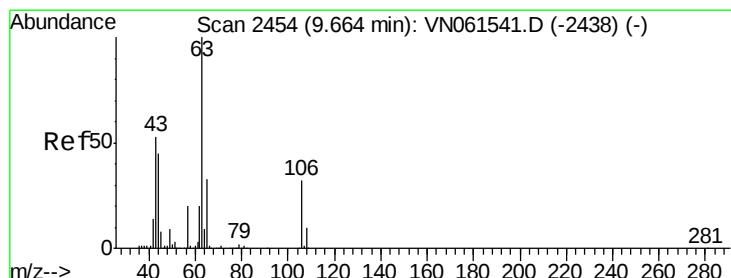
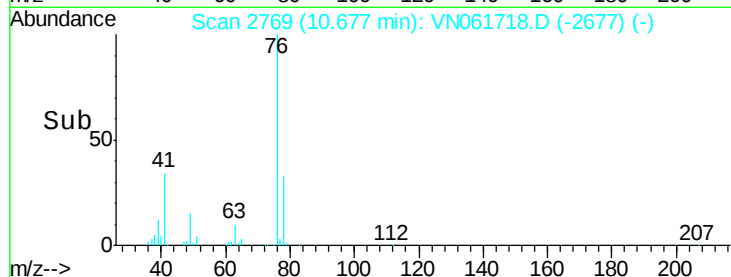
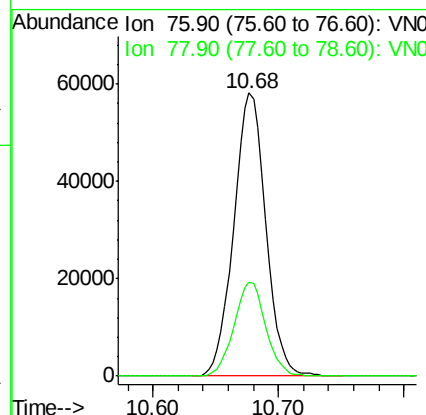
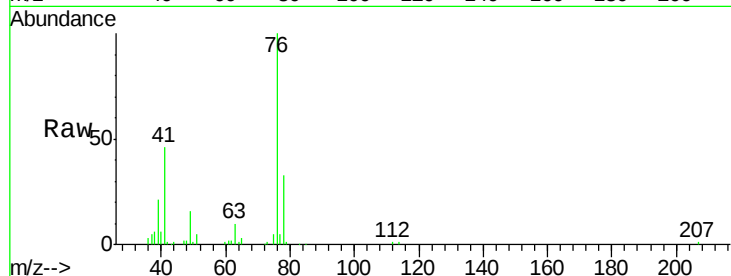




#57  
 1,3-Dichloropropane  
 Concen: 18.957 ug/l  
 RT: 10.68 min Scan# 2769  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

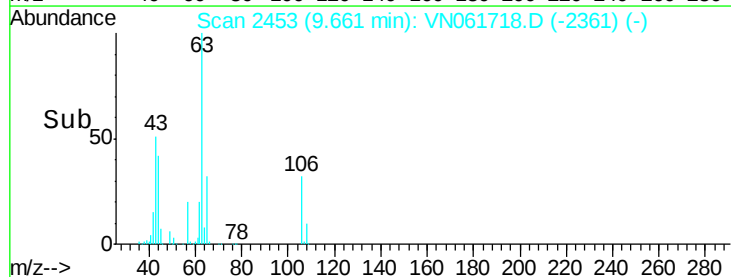
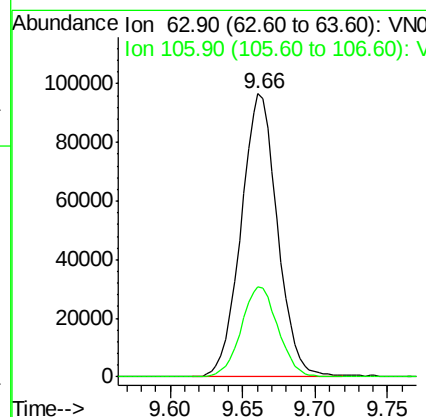
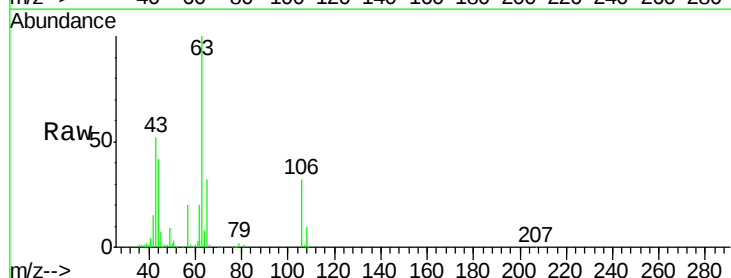
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0609WBSD01

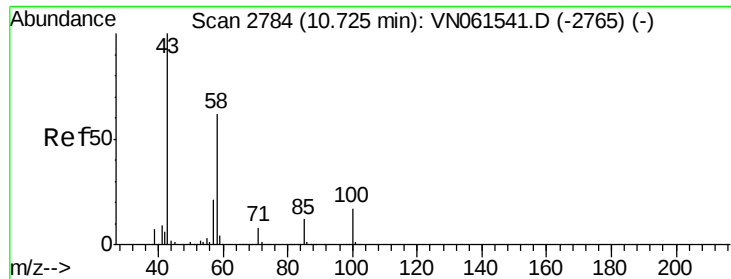
Tot Ion: 76 Resp: 102887  
 Ion Ratio Lower Upper  
 76 100  
 78 32.9 26.3 39.5



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 83.087 ug/l  
 RT: 9.66 min Scan# 2453  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Tgt Ion: 63 Resp: 168318  
 Ion Ratio Lower Upper  
 63 100  
 106 32.2 25.9 38.9

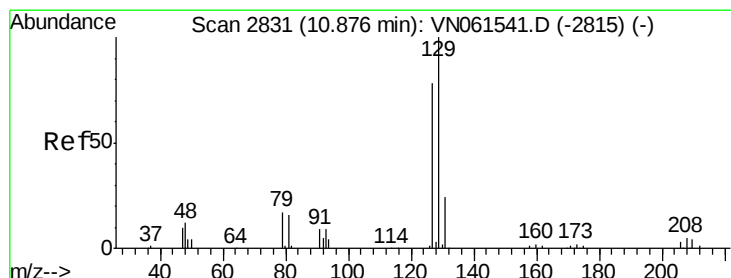
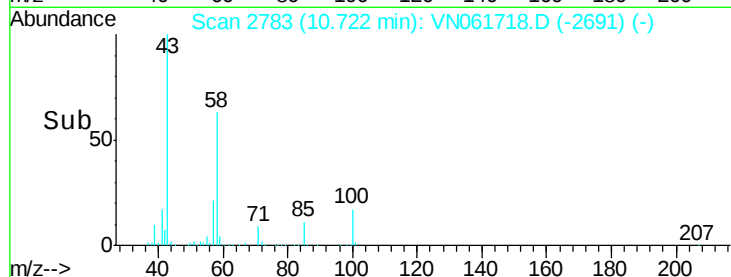
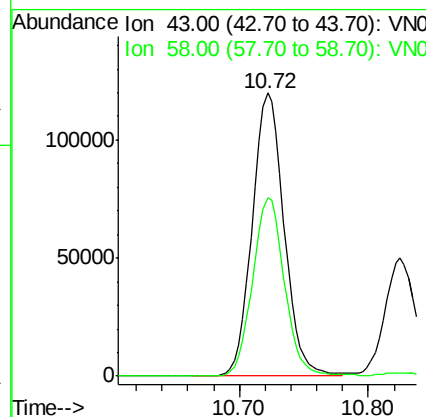
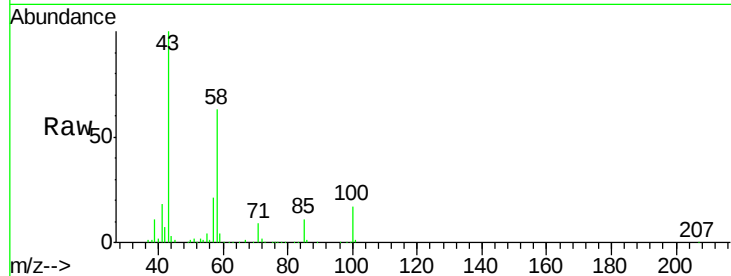




#59  
2-Hexanone  
Concen: 83.364 ug/l  
RT: 10.72 min Scan# 2783  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

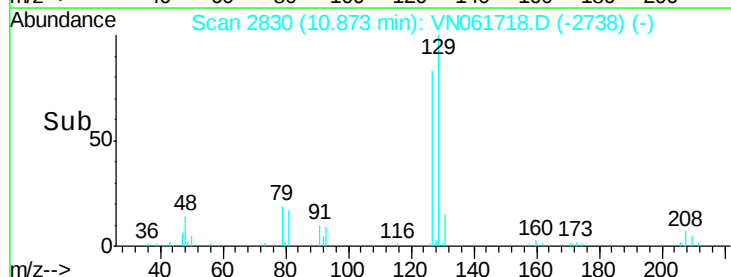
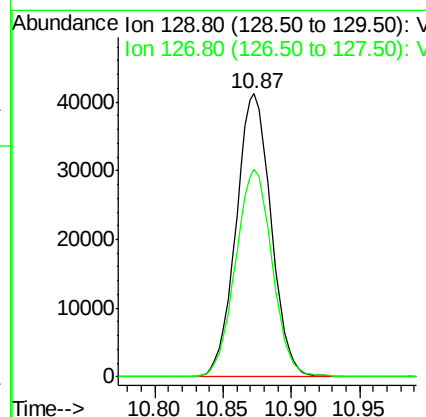
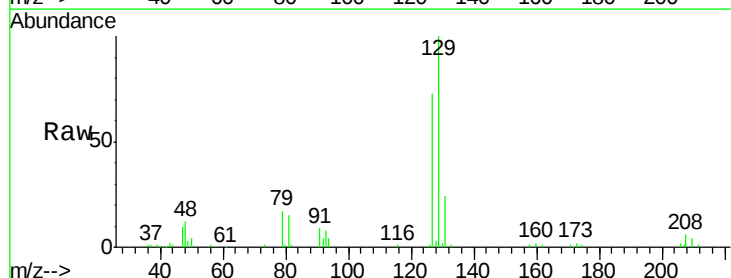
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0609WBSD01

Tot Ion: 43 Resp: 206780  
Ion Ratio Lower Upper  
43 100  
58 63.0 30.7 92.1



#60  
Dibromochloromethane  
Concen: 19.058 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion: 129 Resp: 73524  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.8 116.3

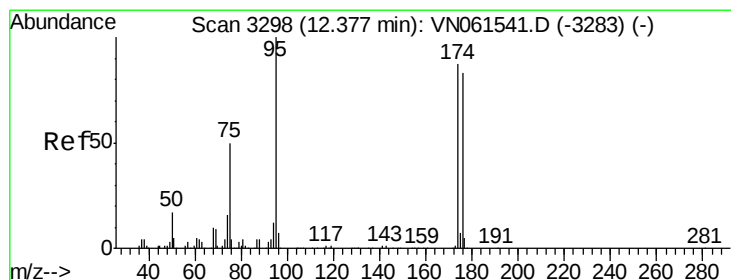
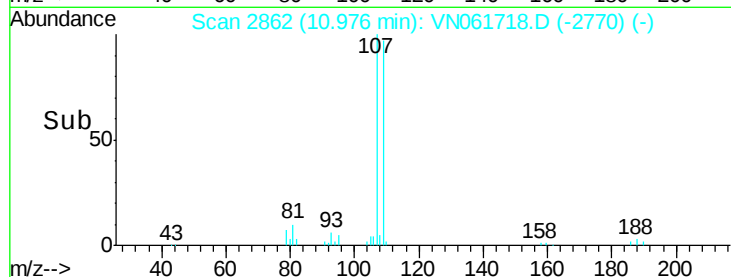
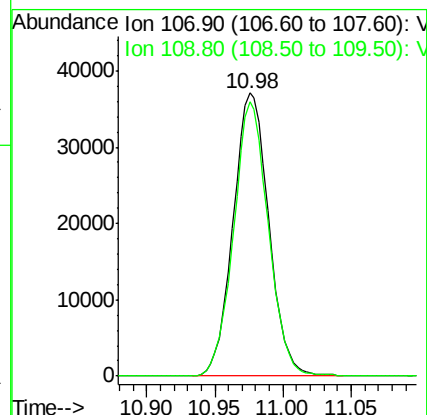
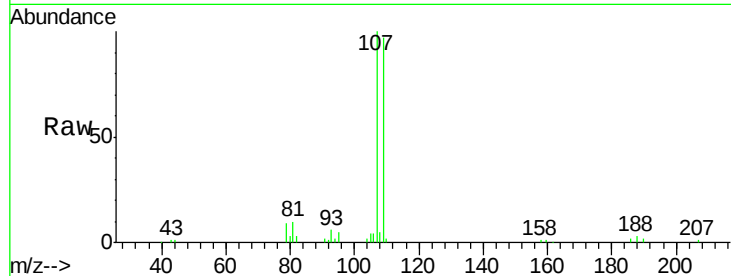




#61  
 1,2-Dibromoethane  
 Concen: 19.008 ug/l  
 RT: 10.98 min Scan# 2862  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

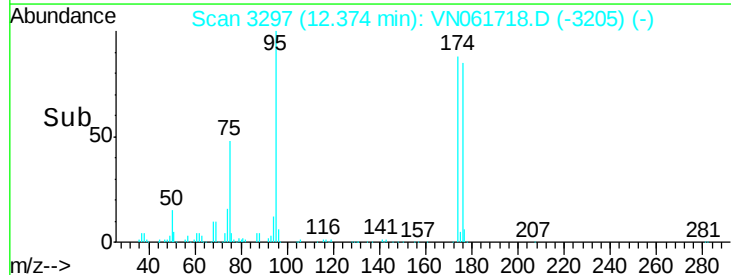
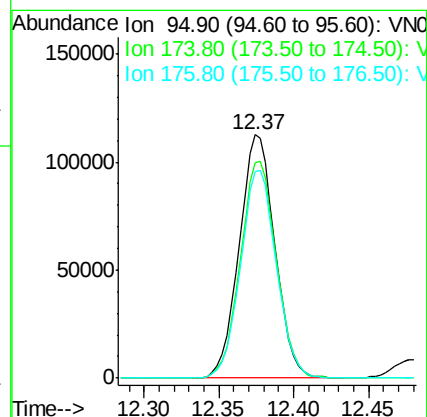
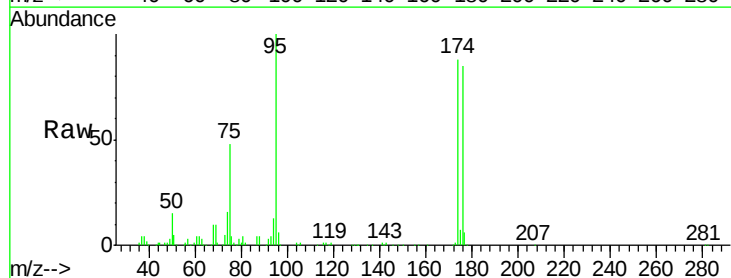
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0609WBSD01

Tot Ion:107 Resp: 67273  
 Ion Ratio Lower Upper  
 107 100  
 109 94.4 76.1 114.1



#62  
 4-Bromofluorobenzene  
 Concen: 45.543 ug/l  
 RT: 12.37 min Scan# 3297  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Tgt Ion: 95 Resp: 186624  
 Ion Ratio Lower Upper  
 95 100  
 174 90.2 0.0 172.8  
 176 86.0 0.0 164.8

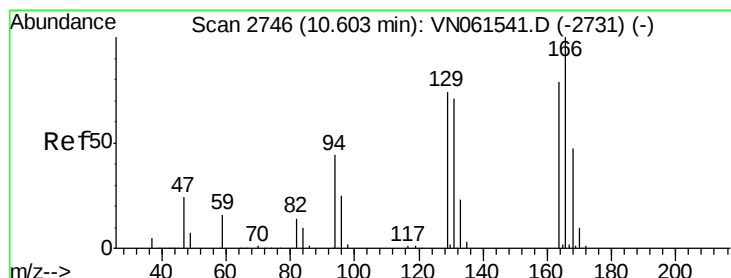
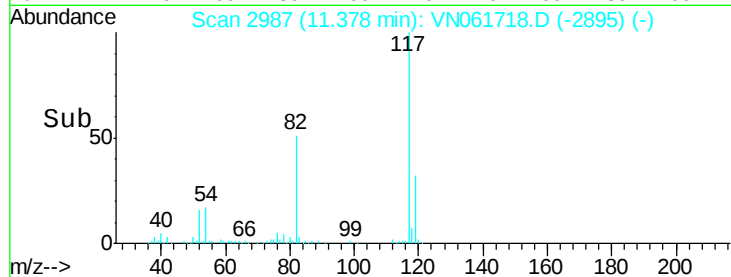
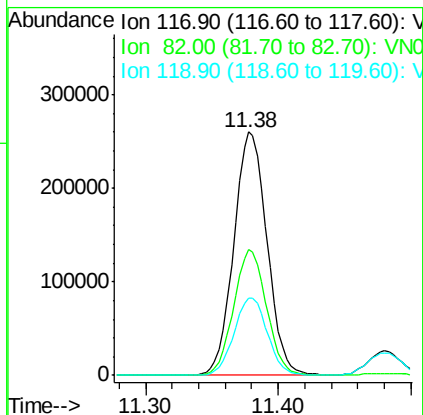
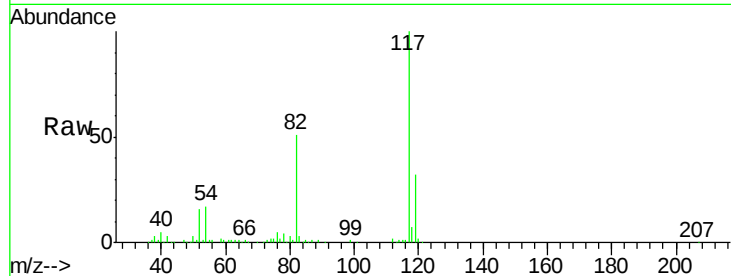




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2987  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

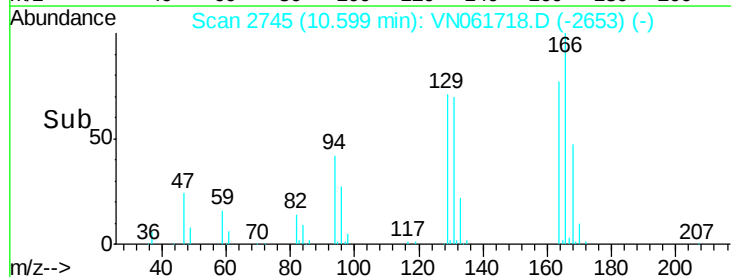
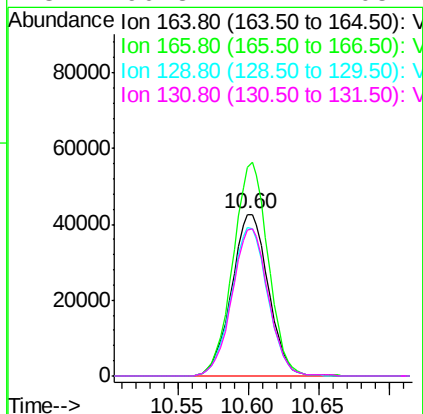
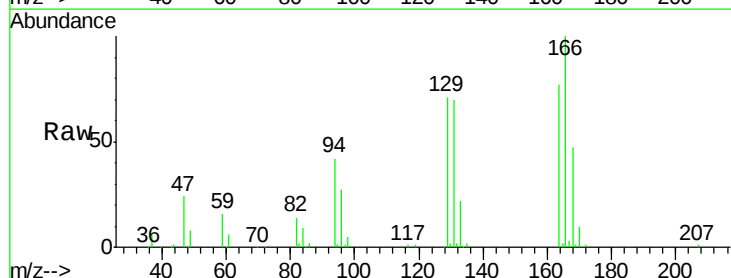
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0609WBSD01

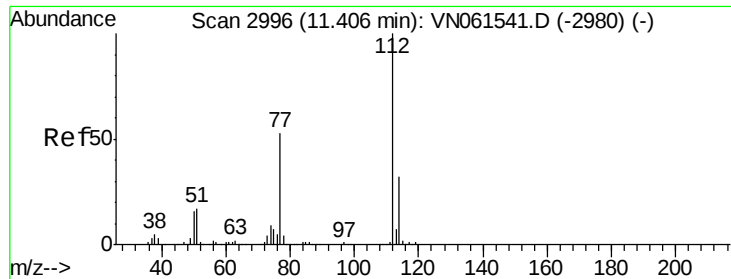
Tot Ion:117 Resp: 451897  
Ion Ratio Lower Upper  
117 100  
82 51.5 41.5 62.3  
119 31.9 25.6 38.4



#64  
Tetrachloroethene  
Concen: 18.230 ug/l  
RT: 10.60 min Scan# 2745  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion:164 Resp: 77547  
Ion Ratio Lower Upper  
164 100  
166 129.2 101.5 152.3  
129 92.0 74.9 112.3  
131 90.3 72.2 108.2





#65

Chlorobenzene

Concen: 18.470 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampled :

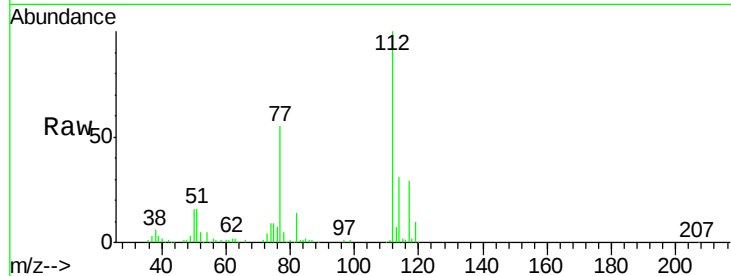
VN0609WBSD01

Tot Ion:112 Resp: 173490

Ion Ratio Lower Upper

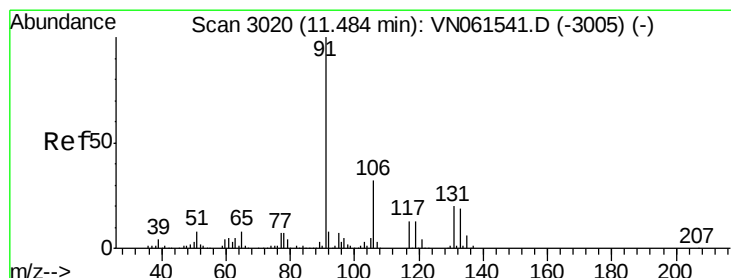
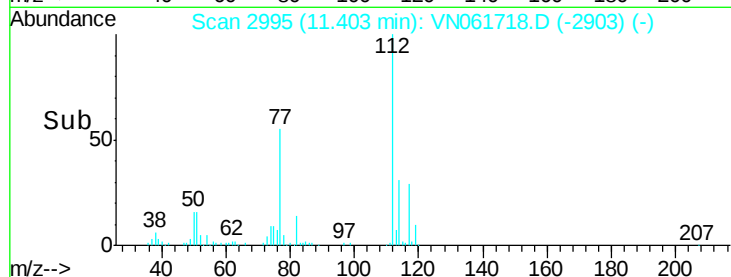
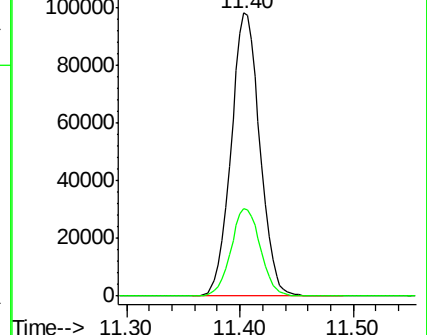
112 100

114 31.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.708 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

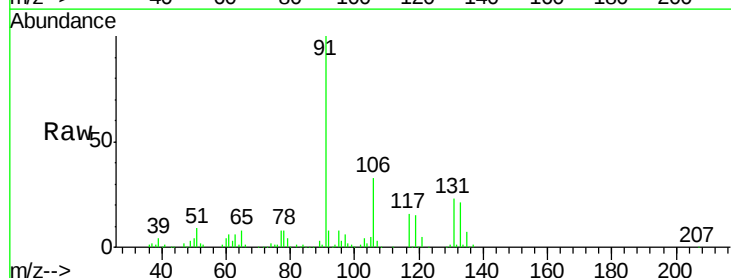
Tgt Ion:131 Resp: 65432

Ion Ratio Lower Upper

131 100

133 96.3 47.4 142.2

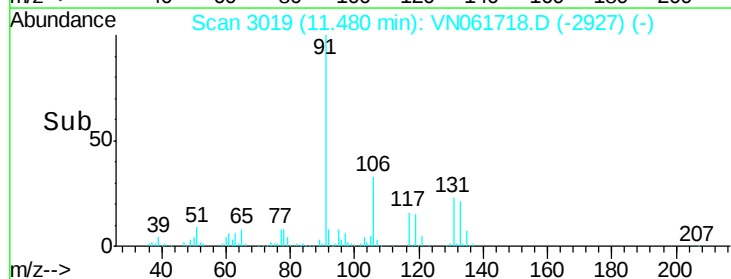
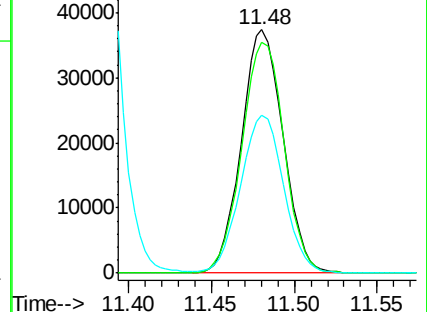
119 67.0 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

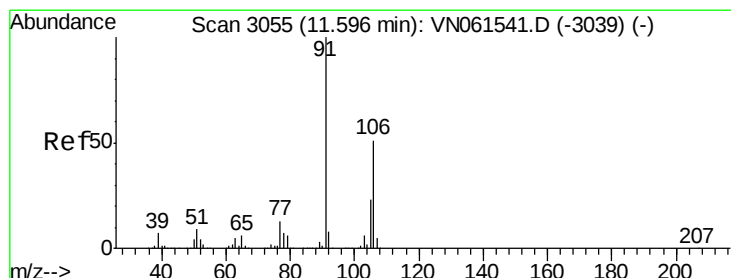
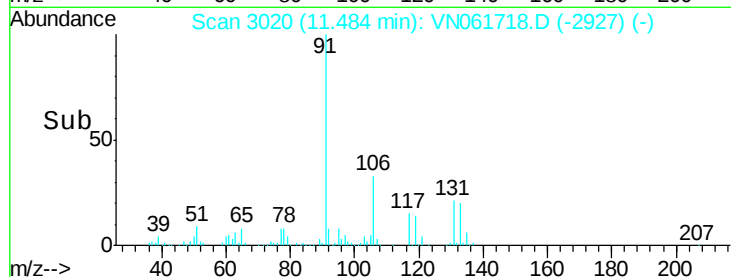
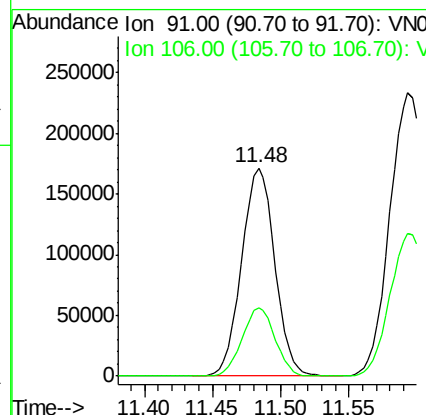
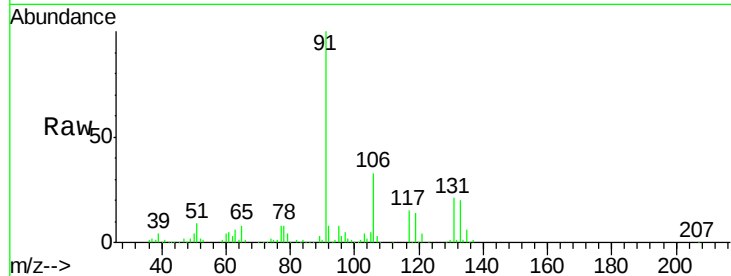




#67  
Ethyl Benzene  
Concen: 17.842 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. 0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

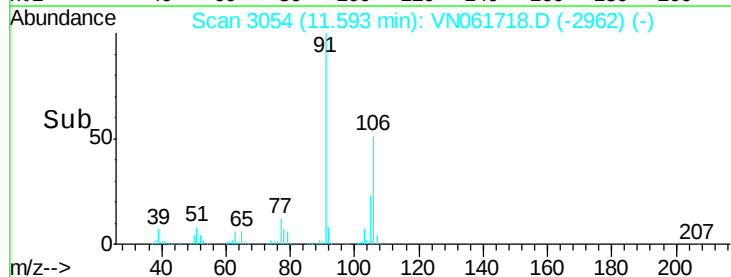
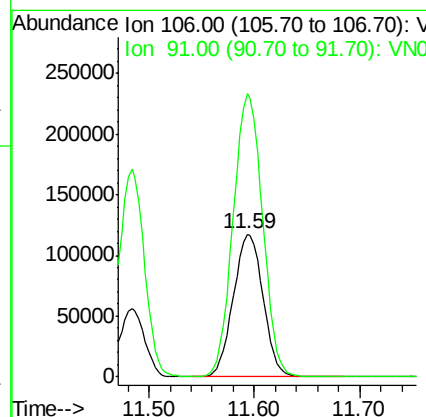
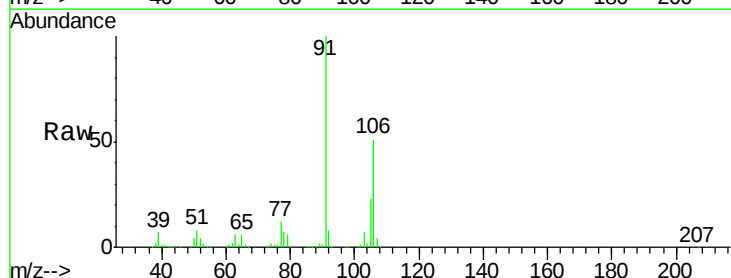
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0609WBSD01

Tot Ion: 91 Resp: 289666  
Ion Ratio Lower Upper  
91 100  
106 33.1 25.6 38.4



#68  
m/p-Xylenes  
Concen: 35.631 ug/l  
RT: 11.59 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion: 106 Resp: 229369  
Ion Ratio Lower Upper  
106 100  
91 196.8 156.2 234.4

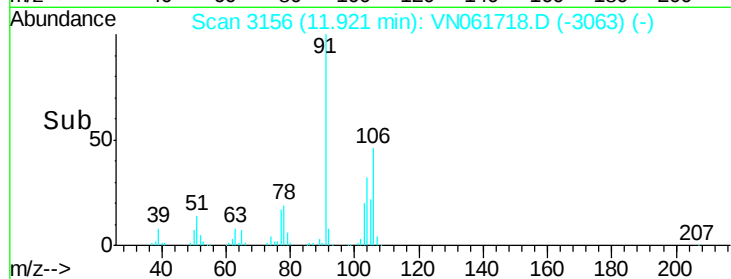
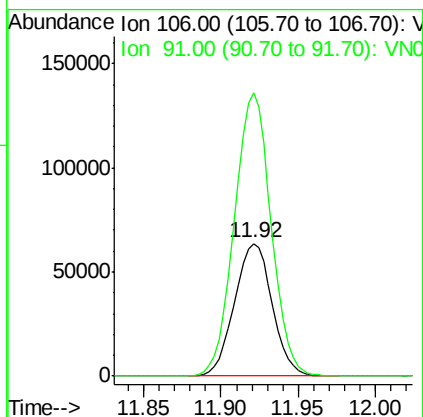
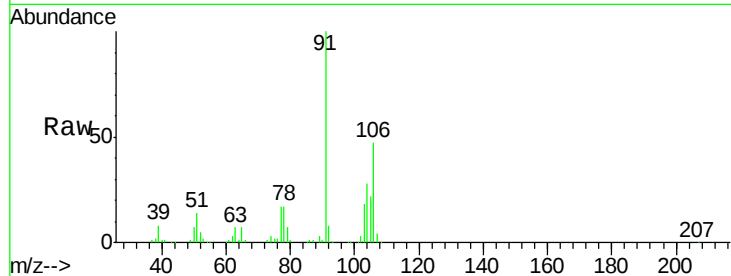




#69  
o-Xylene  
Concen: 17.675 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. 0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

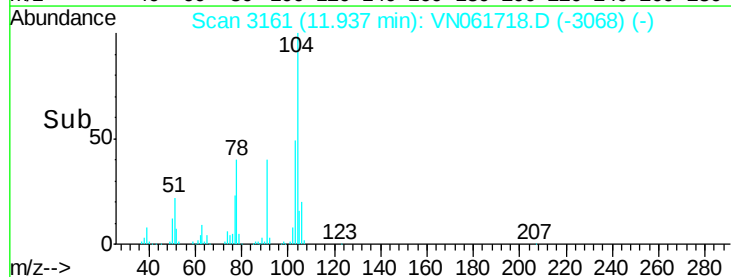
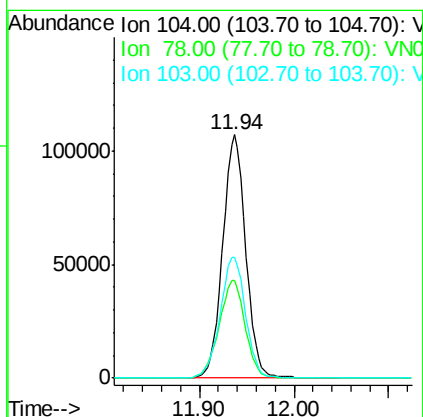
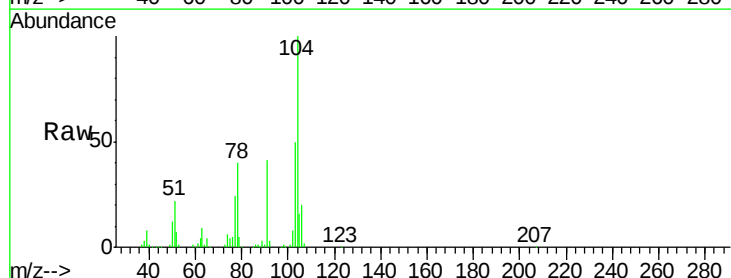
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0609WBSD01

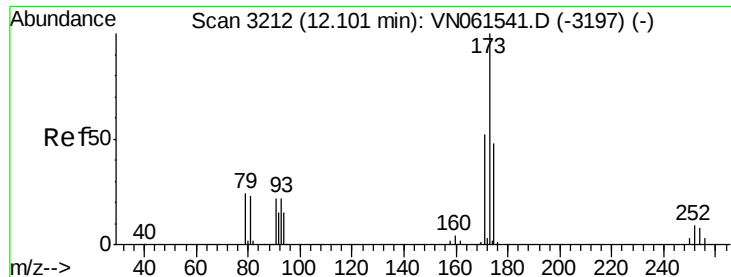
Tot Ion:106 Resp: 108071  
Ion Ratio Lower Upper  
106 100  
91 207.2 103.3 309.8



#70  
Styrene  
Concen: 17.884 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. 0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion:104 Resp: 181079  
Ion Ratio Lower Upper  
104 100  
78 45.5 37.4 56.0  
103 54.8 42.3 63.5





#71

Bromoform

Concen: 18.334 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampled :

VN0609WBSD01

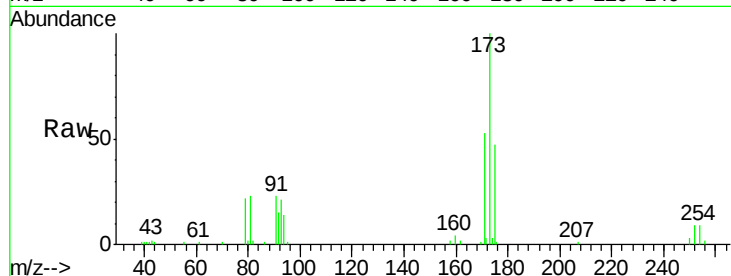
Tot Ion:173 Resp: 49412

Ion Ratio Lower Upper

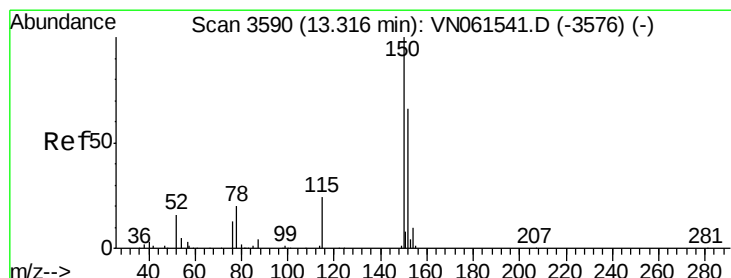
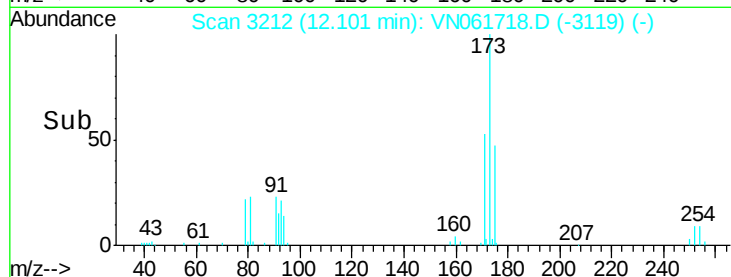
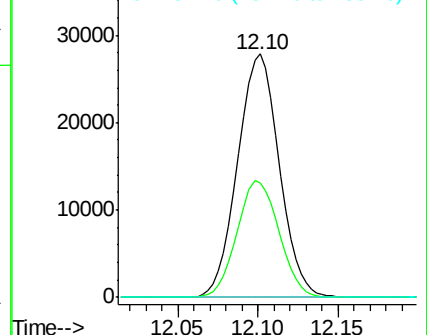
173 100

175 48.2 24.4 73.2

254 0.0 0.0 0.0



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: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

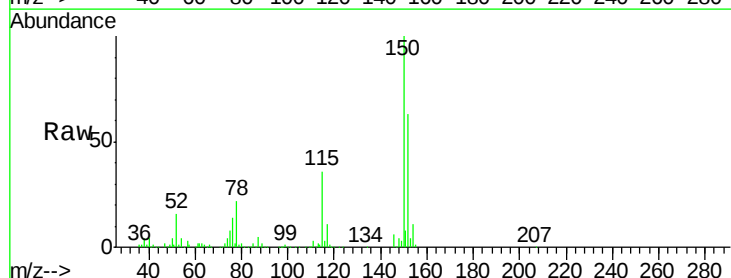
Tgt Ion:152 Resp: 221757

Ion Ratio Lower Upper

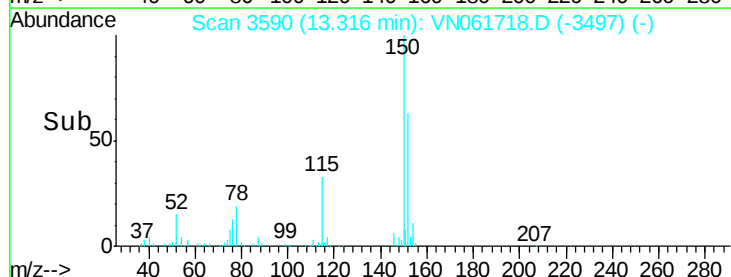
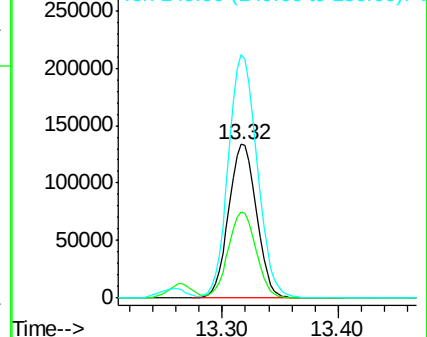
152 100

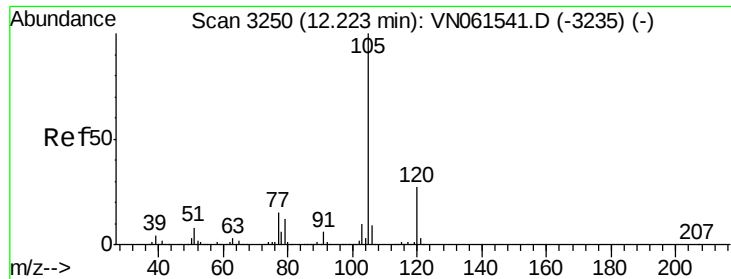
115 55.7 28.0 84.0

150 163.6 0.0 344.0



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: 17.733 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

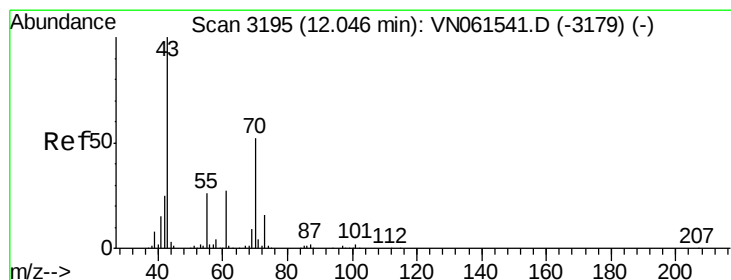
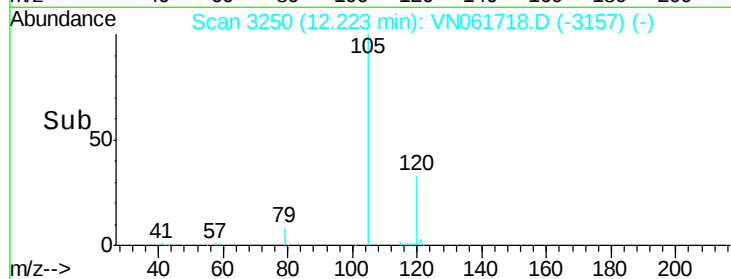
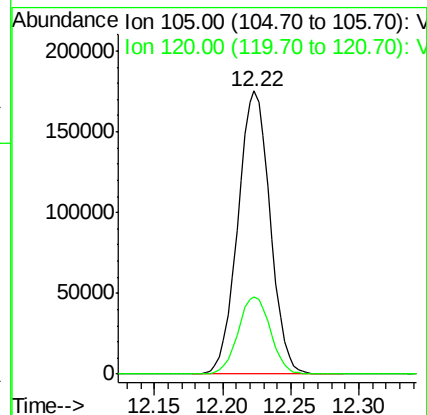
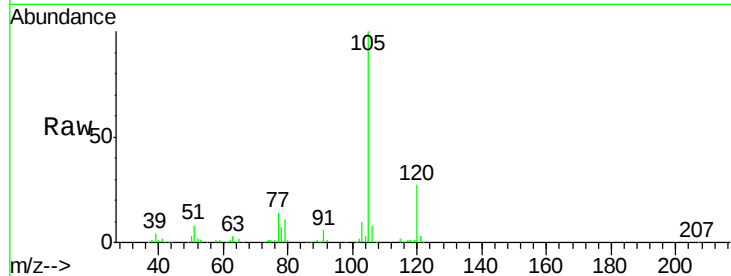
VN0609WBSD01

Tot Ion:105 Resp: 287012

Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.3



#74

N-ethyl acetate

Concen: 15.953 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Tgt Ion: 43 Resp: 81315

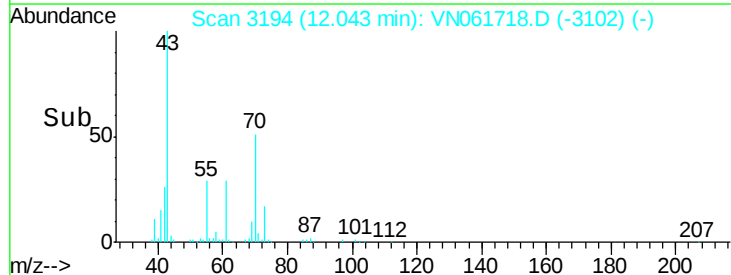
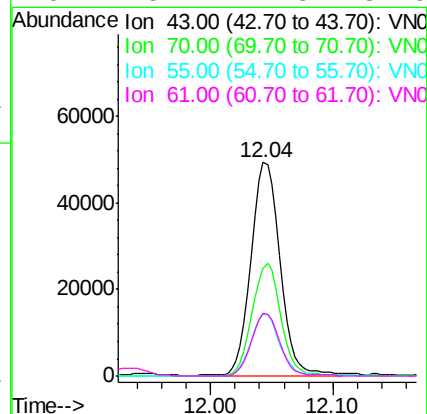
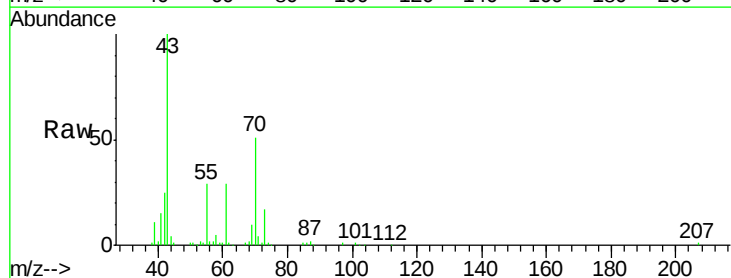
Ion Ratio Lower Upper

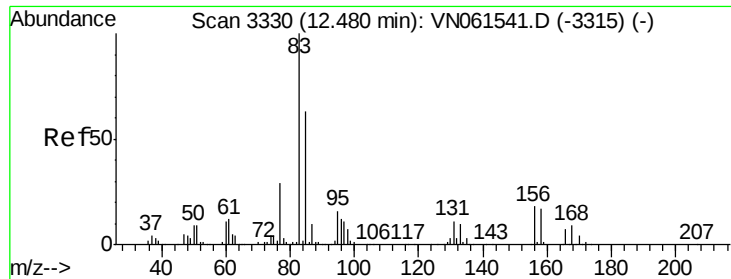
43 100

70 51.9 40.5 60.7

55 28.8 20.6 31.0

61 28.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.995 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

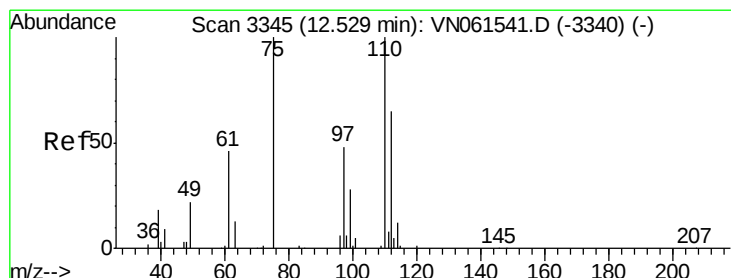
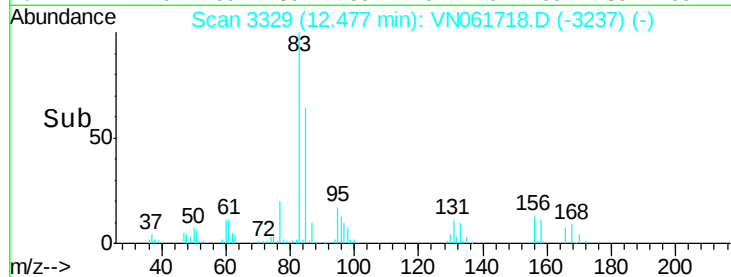
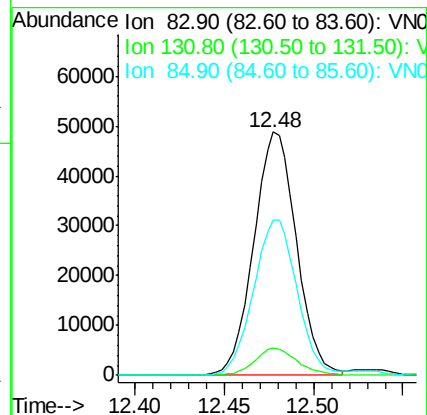
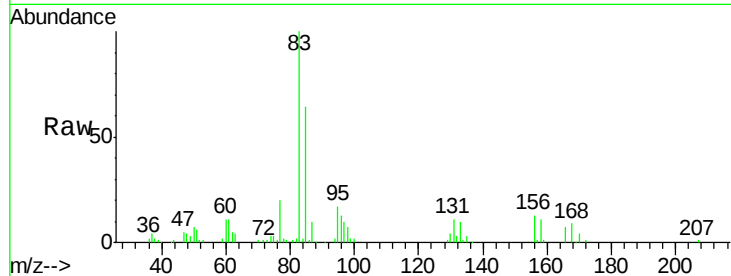
Tot Ion: 83 Resp: 81618

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.5

85 65.6 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 18.614 ug/l m

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061718.D

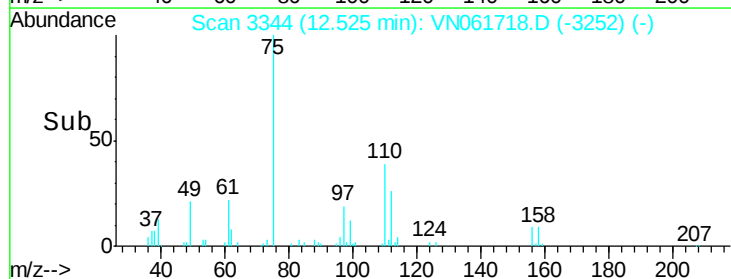
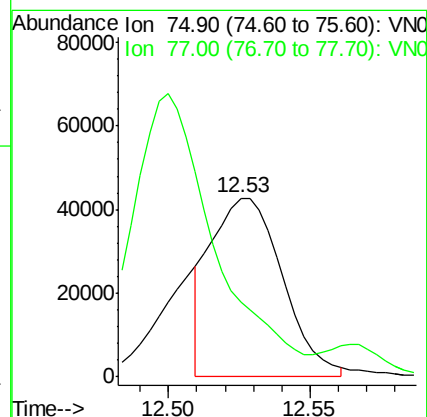
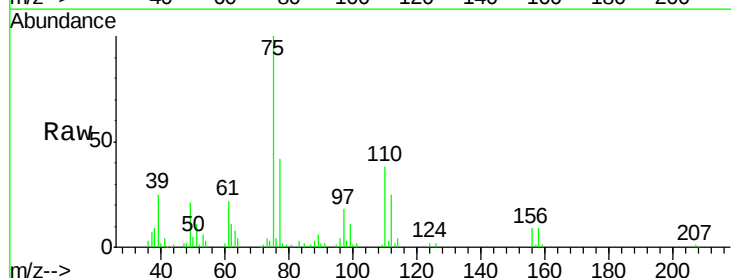
Acq: 9 Jun 2020 12:06

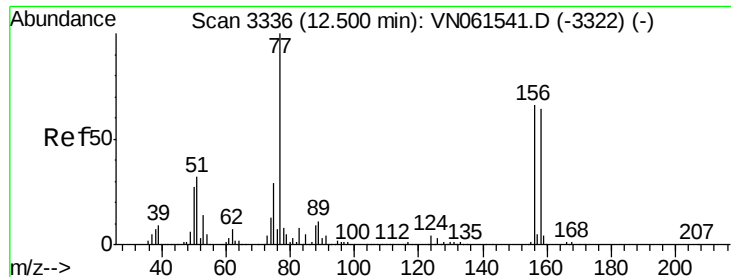
Tgt Ion: 75 Resp: 75058

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.804 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

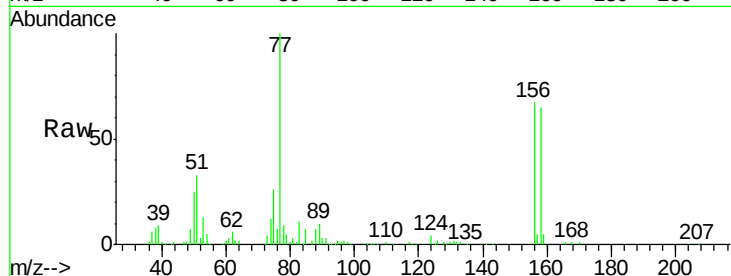
Tot Ion:156 Resp: 77686

Ion Ratio Lower Upper

156 100

77 179.6 90.9 272.7

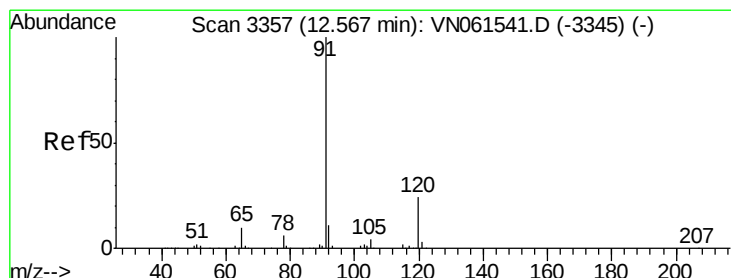
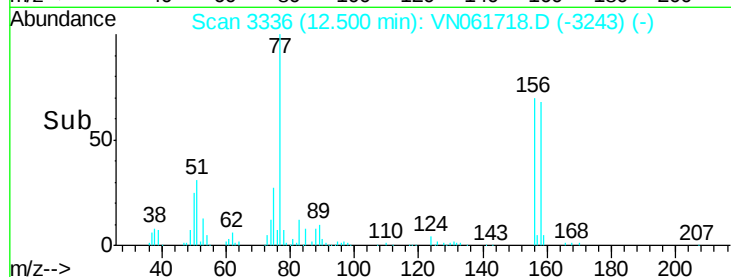
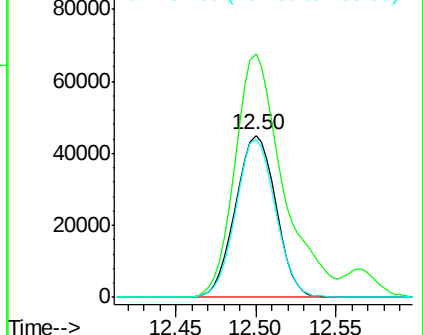
158 95.9 48.4 145.3



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: 17.706 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061718.D

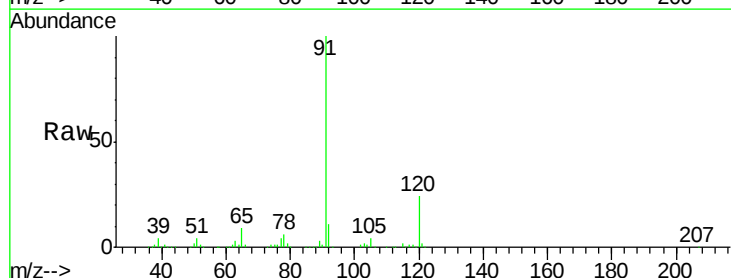
Acq: 9 Jun 2020 12:06

Tgt Ion: 91 Resp: 319937

Ion Ratio Lower Upper

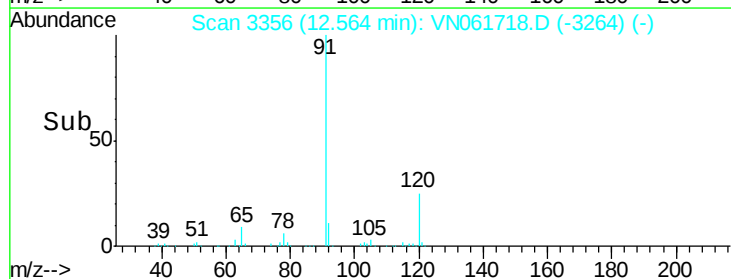
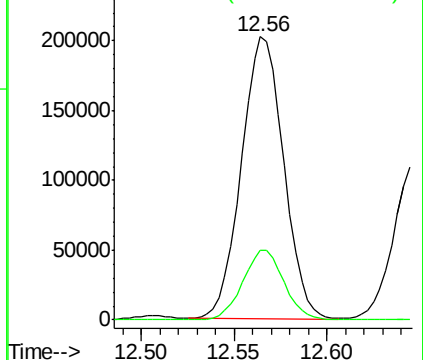
91 100

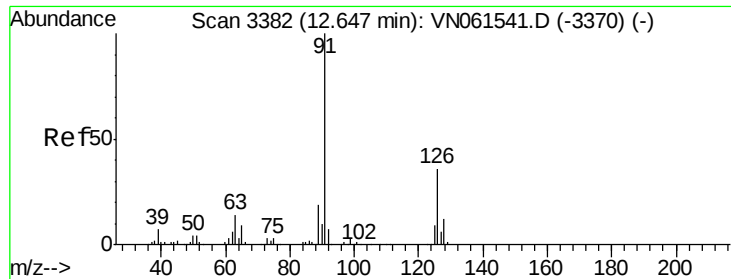
120 24.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

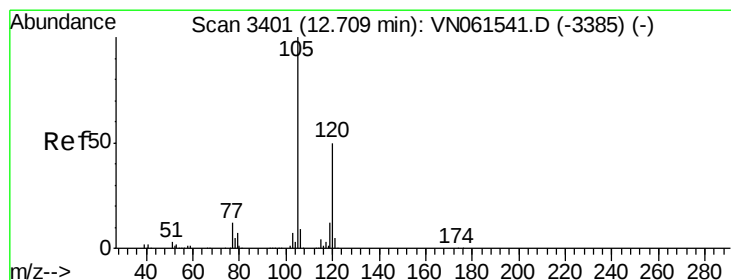
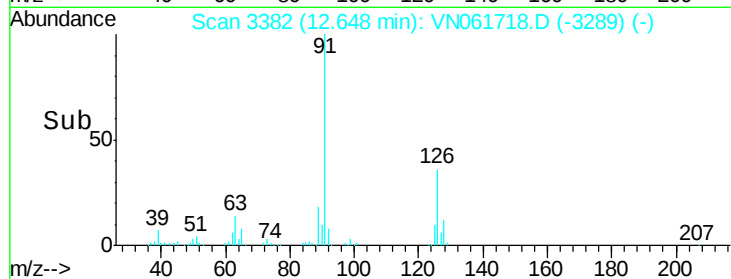
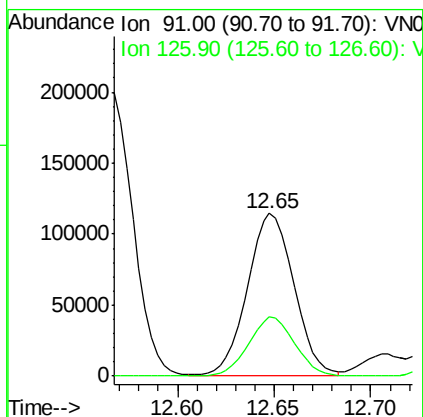
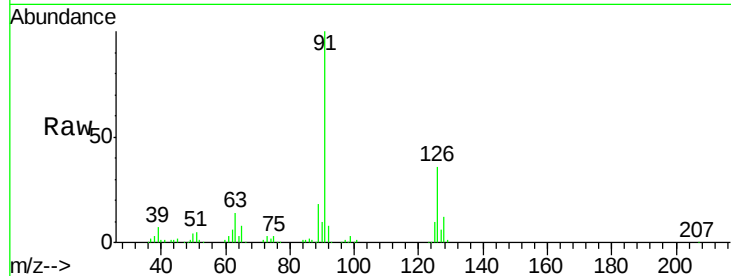




#79  
 2-Chlorotoluene  
 Concen: 17.587 ug/l  
 RT: 12.65 min Scan# 3382  
 Delta R.T. 0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

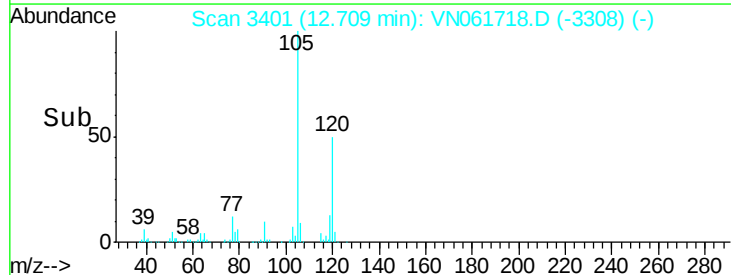
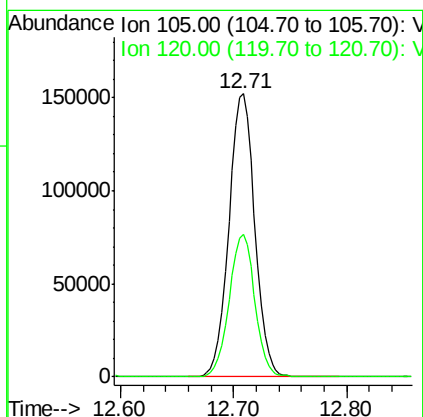
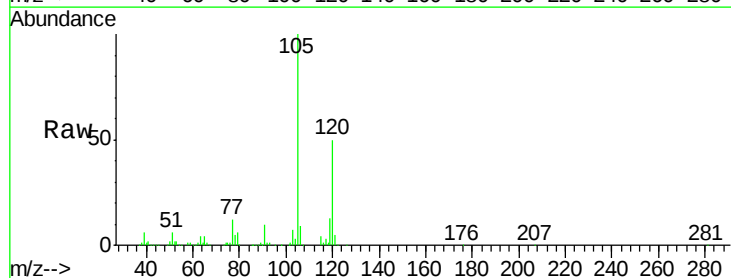
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0609WBSD01

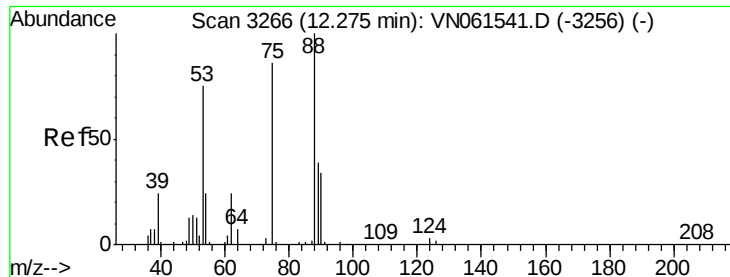
Tot Ion: 91 Resp: 189490  
 Ion Ratio Lower Upper  
 91 100  
 126 36.6 17.9 53.7



#80  
 1,3,5-Trimethylbenzene  
 Concen: 17.908 ug/l  
 RT: 12.71 min Scan# 3401  
 Delta R.T. 0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Tgt Ion: 105 Resp: 242257  
 Ion Ratio Lower Upper  
 105 100  
 120 49.7 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 15.595 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

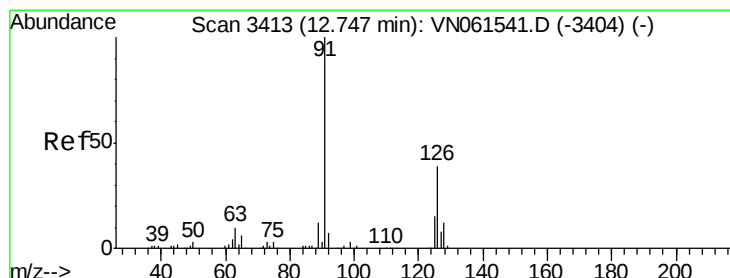
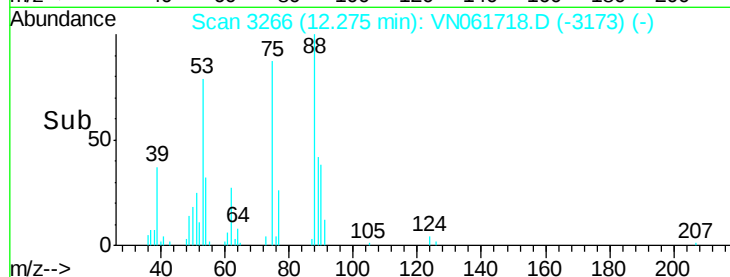
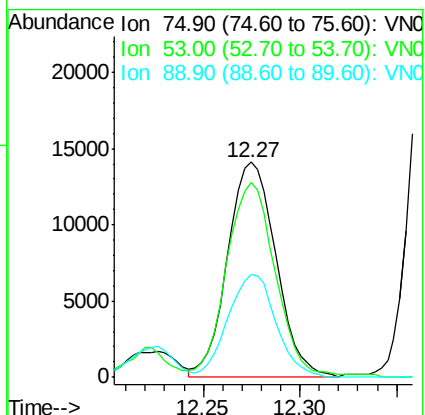
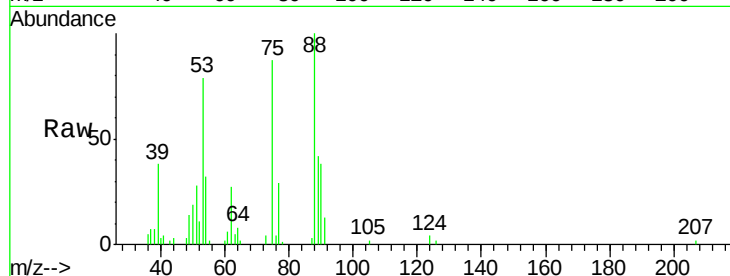
Tot Ion: 75 Resp: 24591

Ion Ratio Lower Upper

75 100

53 91.7 67.8 101.8

89 47.5 37.1 55.7



#82

4-Chlorotoluene

Concen: 17.483 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061718.D

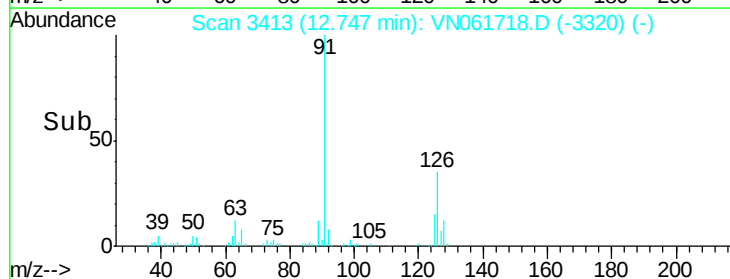
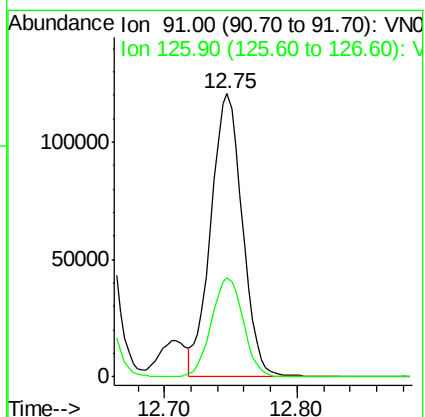
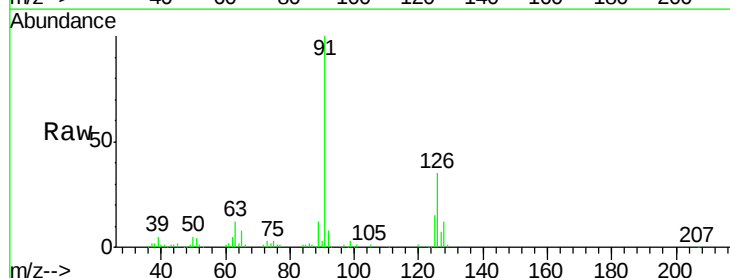
Acq: 9 Jun 2020 12:06

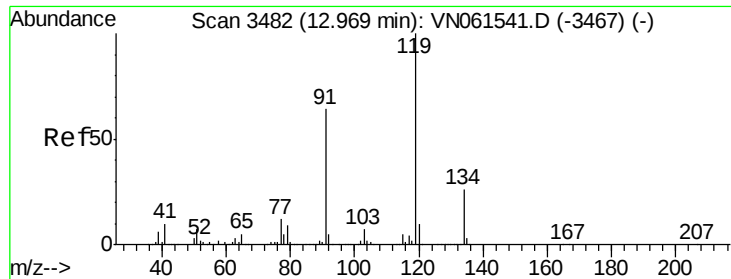
Tgt Ion: 91 Resp: 198161

Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.6

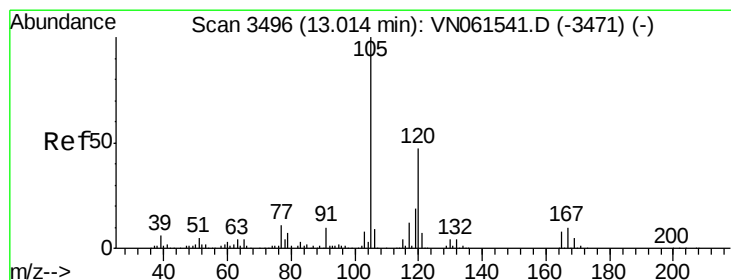
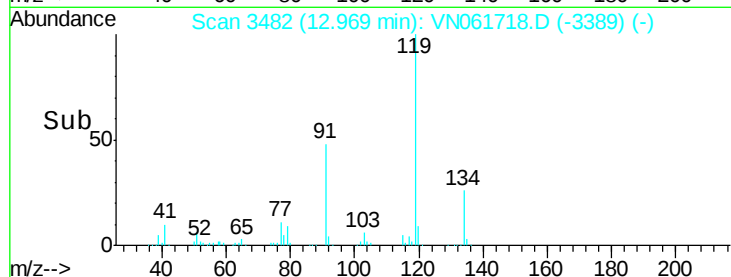
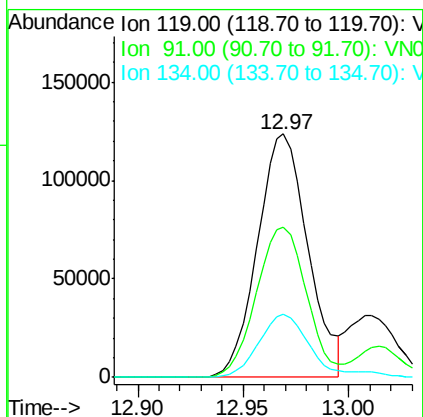
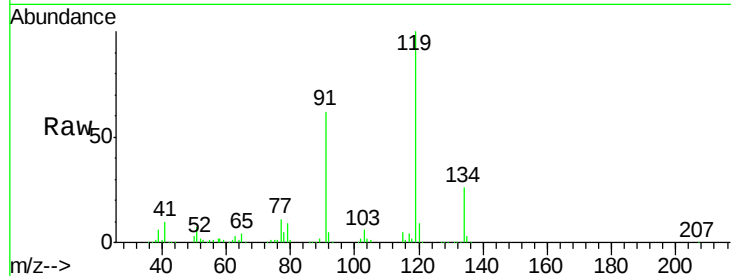




#83  
tert-Butylbenzene  
Concen: 17.218 ug/l  
RT: 12.97 min Scan# 3482  
Delta R.T. 0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

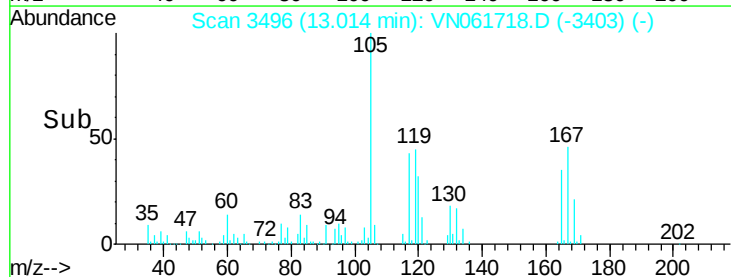
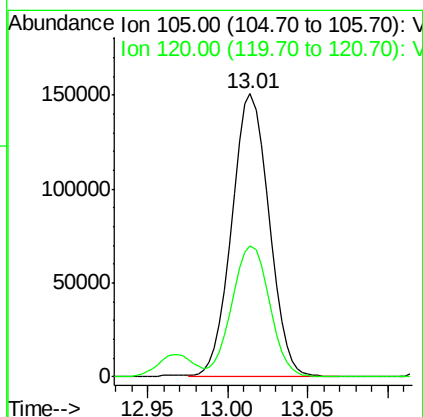
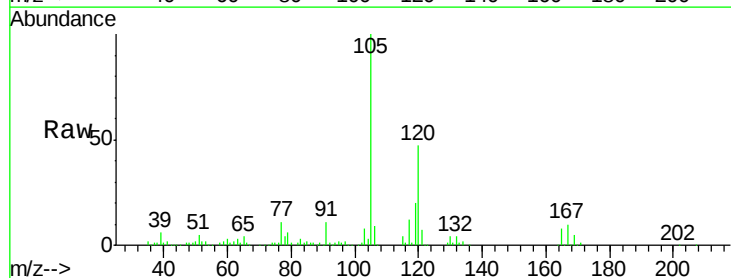
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0609WBSD01

Tot Ion:119 Resp: 205799  
Ion Ratio Lower Upper  
119 100  
91 61.4 31.3 93.8  
134 26.9 13.5 40.4



#84  
1,2,4-Trimethylbenzene  
Concen: 17.730 ug/l  
RT: 13.01 min Scan# 3496  
Delta R.T. 0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion:105 Resp: 238279  
Ion Ratio Lower Upper  
105 100  
120 47.3 23.2 69.5





#85

sec-Butylbenzene

Concen: 17.382 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

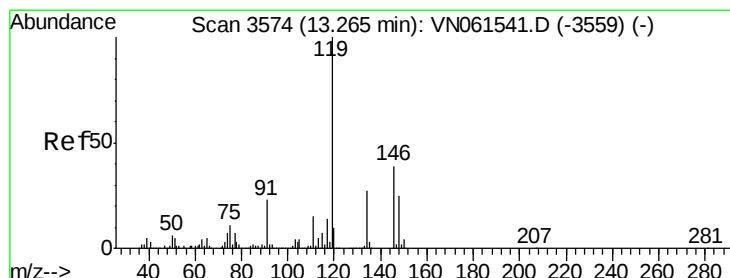
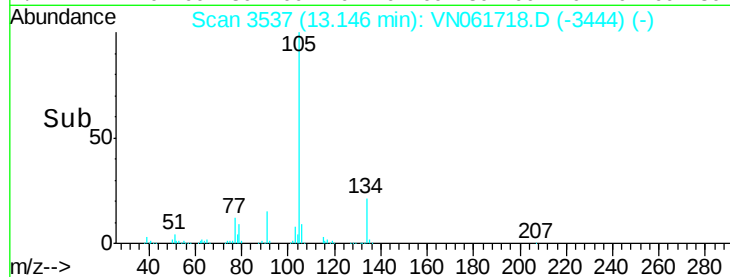
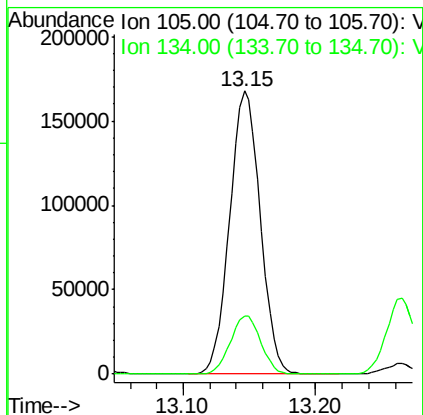
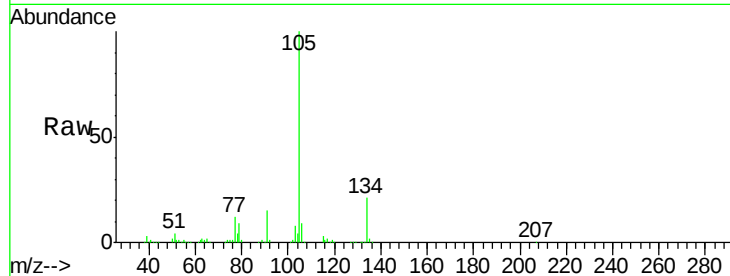
VN0609WBSD01

Tot Ion:105 Resp: 267709

Ion Ratio Lower Upper

105 100

134 20.6 10.7 31.9



#86

p-Isopropyltoluene

Concen: 17.348 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

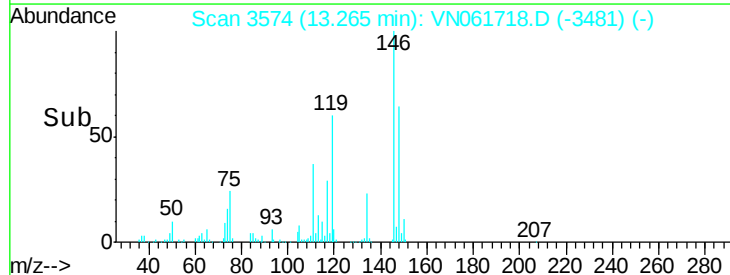
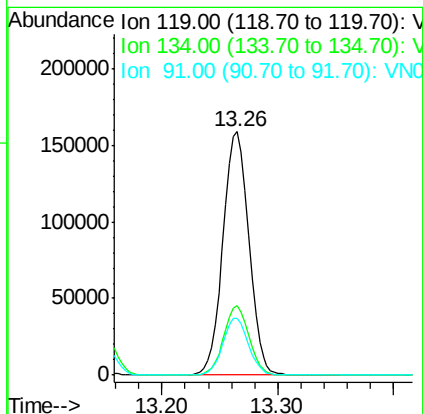
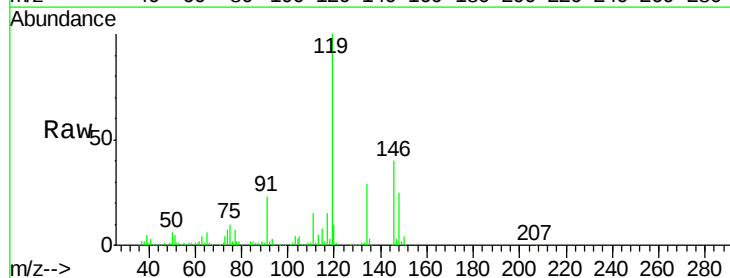
Tgt Ion:119 Resp: 246062

Ion Ratio Lower Upper

119 100

134 27.7 13.5 40.5

91 22.9 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 18.334 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

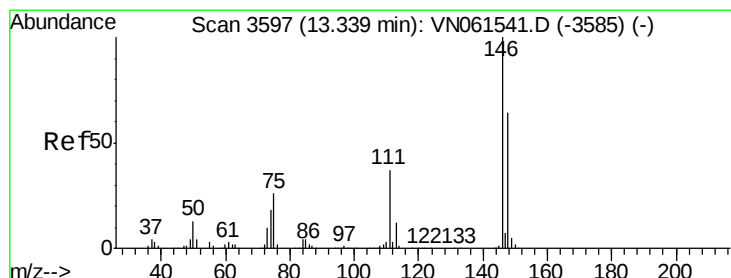
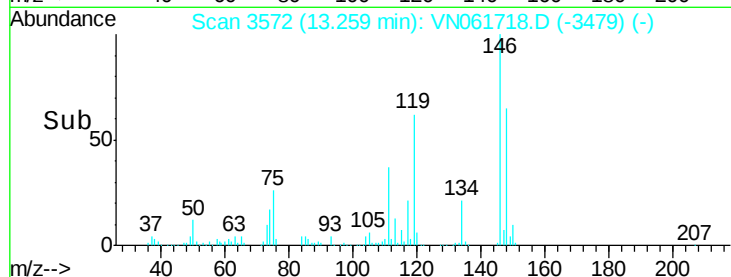
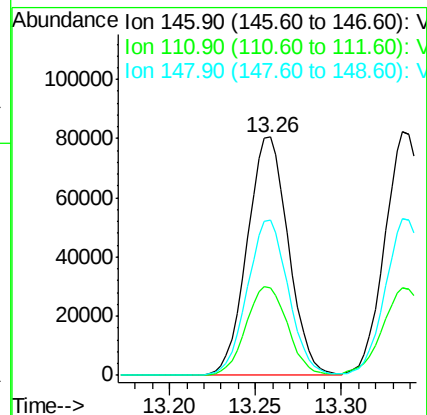
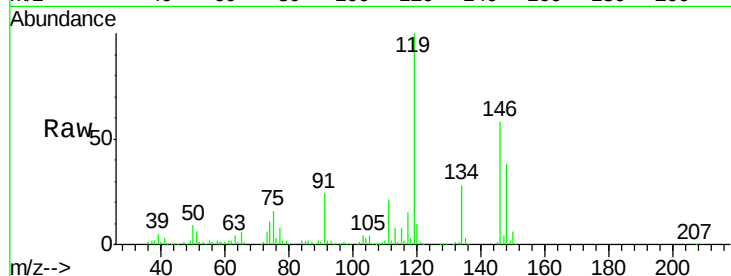
Tot Ion:146 Resp: 134128

Ion Ratio Lower Upper

146 100

111 37.8 19.2 57.6

148 64.9 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 18.241 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

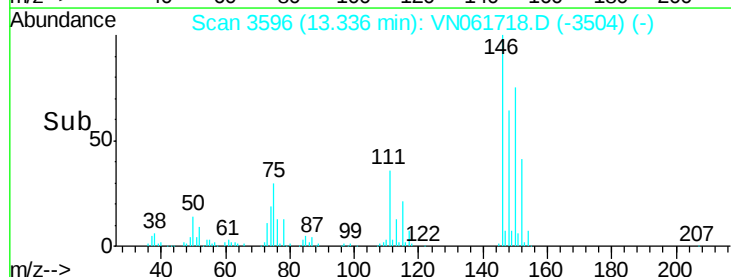
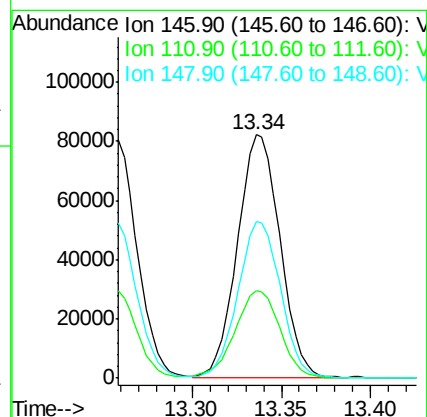
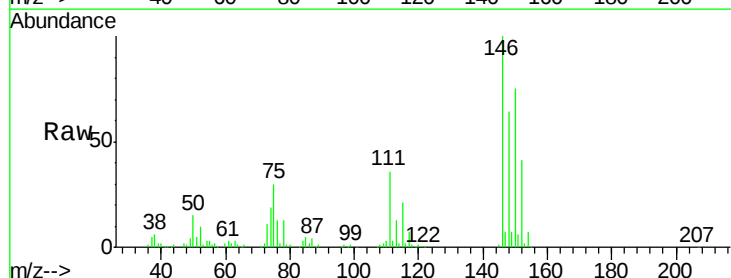
Tgt Ion:146 Resp: 135951

Ion Ratio Lower Upper

146 100

111 38.4 18.9 56.9

148 65.1 31.8 95.3





#89

n-Butylbenzene

Concen: 16.541 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

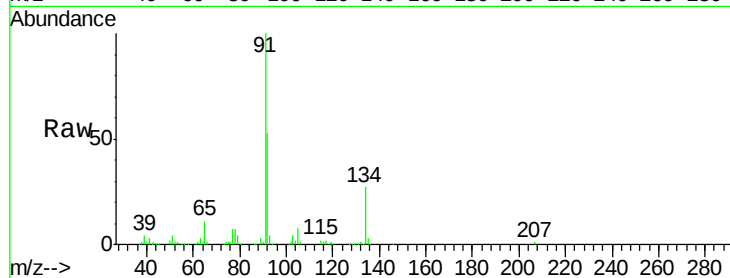
Tot Ion: 91 Resp: 196510

Ion Ratio Lower Upper

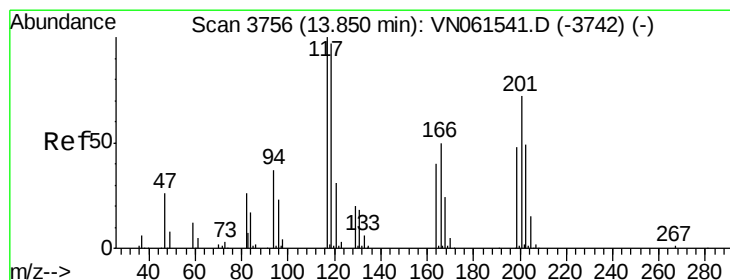
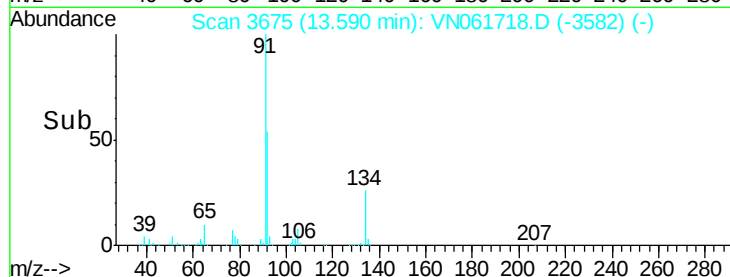
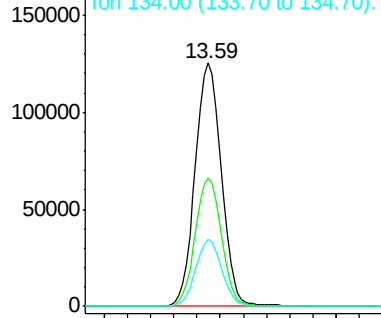
91 100

92 52.6 27.2 81.6

134 27.2 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061718.D (-3582) (-)



#90

Hexachloroethane

Concen: 21.608 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061718.D

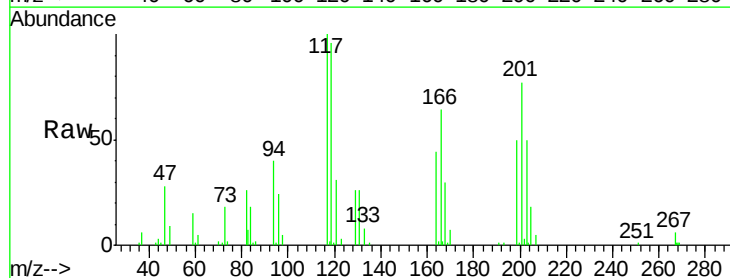
Acq: 9 Jun 2020 12:06

Tgt Ion: 117 Resp: 33895

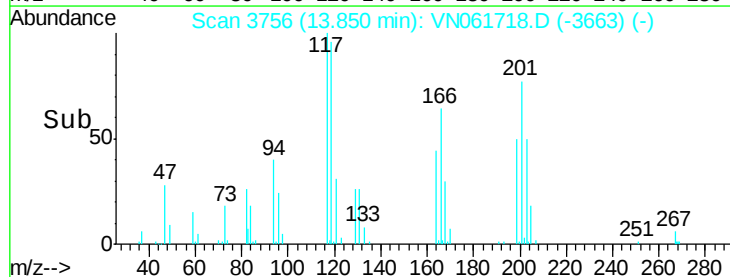
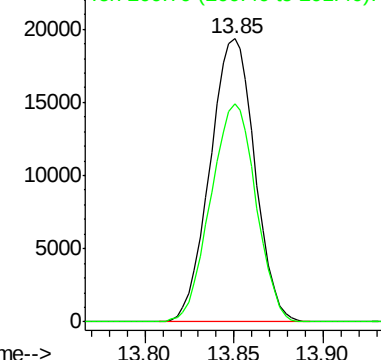
Ion Ratio Lower Upper

117 100

201 78.0 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061718.D (-3663) (-)





#91

1,2-Dichlorobenzene

Concen: 18.665 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

Instrument :

MSVOA\_N

ClientSampleId :

VN0609WBSD01

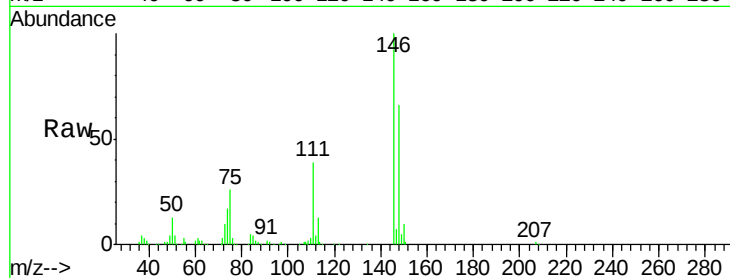
Tot Ion:146 Resp: 130499

Ion Ratio Lower Upper

146 100

111 39.6 20.1 60.2

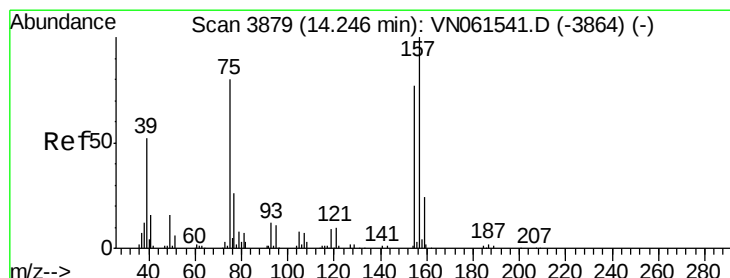
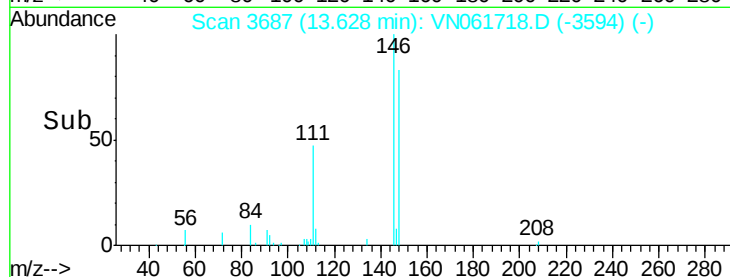
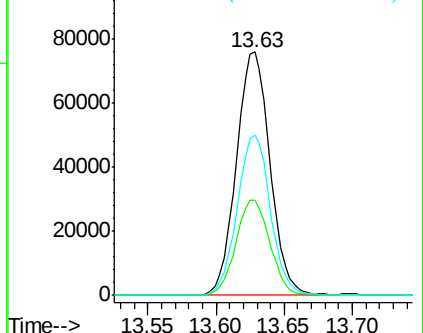
148 64.8 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.994 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061718.D

Acq: 9 Jun 2020 12:06

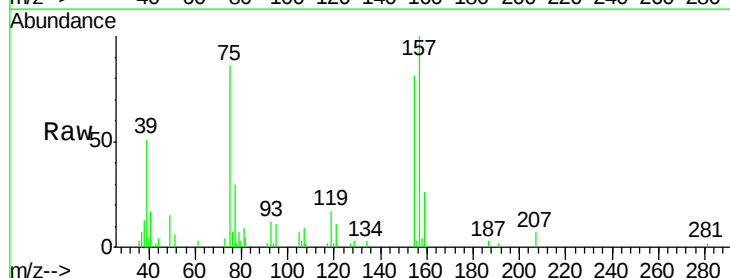
Tgt Ion: 75 Resp: 14795

Ion Ratio Lower Upper

75 100

155 96.8 47.1 141.4

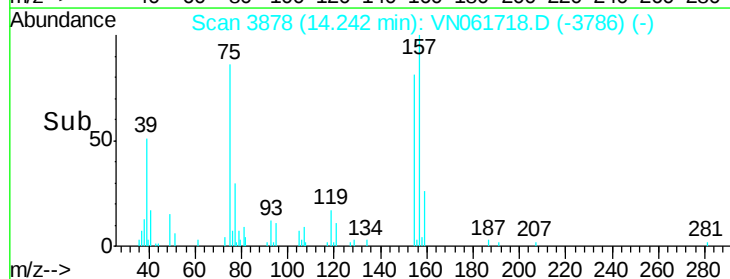
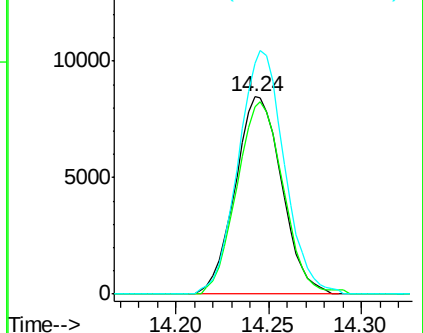
157 121.9 60.3 180.8

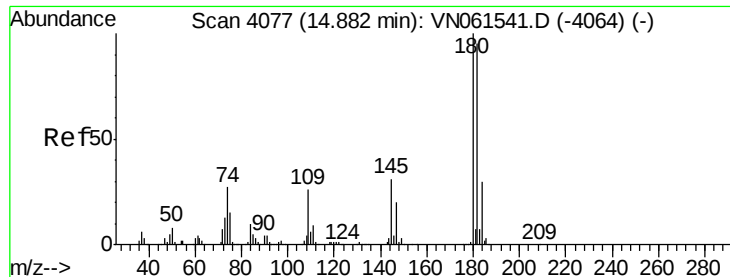


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

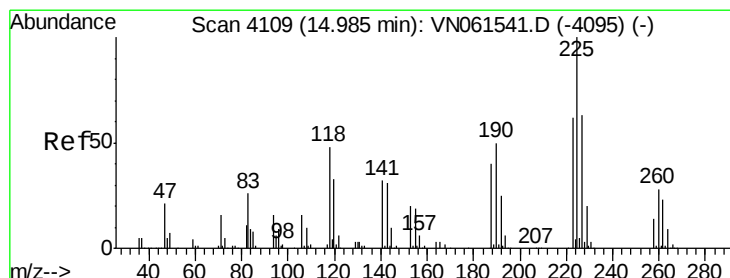
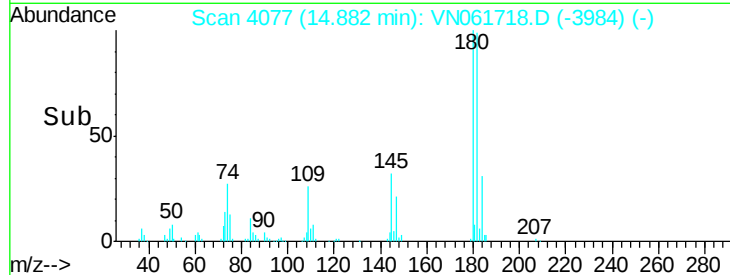
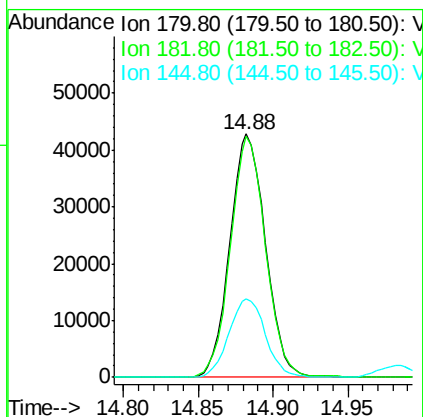
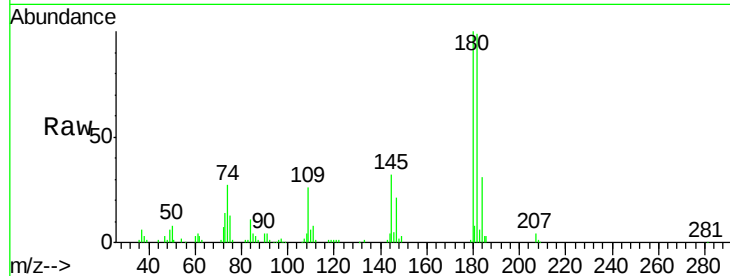




#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.387 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. 0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

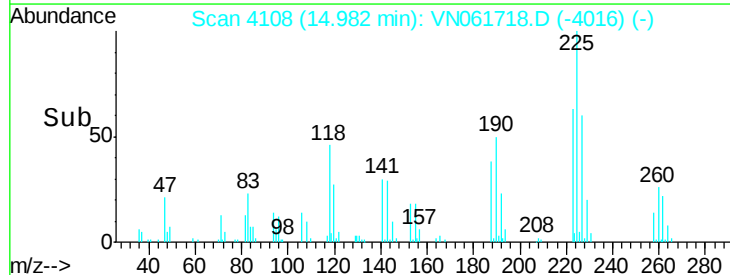
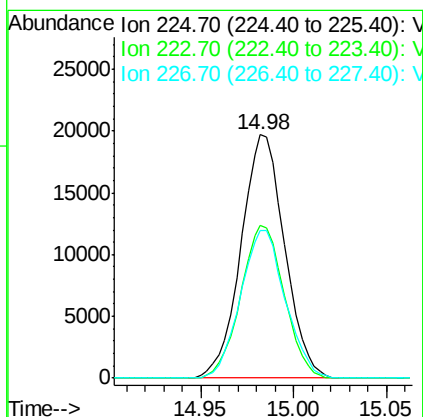
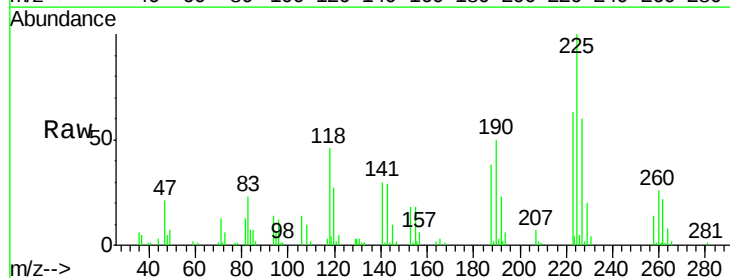
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0609WBSD01

Tot Ion:180 Resp: 71095  
 Ion Ratio Lower Upper  
 180 100  
 182 97.6 47.8 143.3  
 145 33.1 15.5 46.5



#94  
 Hexachlorobutadiene  
 Concen: 18.384 ug/l  
 RT: 14.98 min Scan# 4108  
 Delta R.T. -0.00 min  
 Lab File: VN061718.D  
 Acq: 9 Jun 2020 12:06

Tgt Ion:225 Resp: 32060  
 Ion Ratio Lower Upper  
 225 100  
 223 62.4 31.9 95.5  
 227 62.2 31.9 95.9

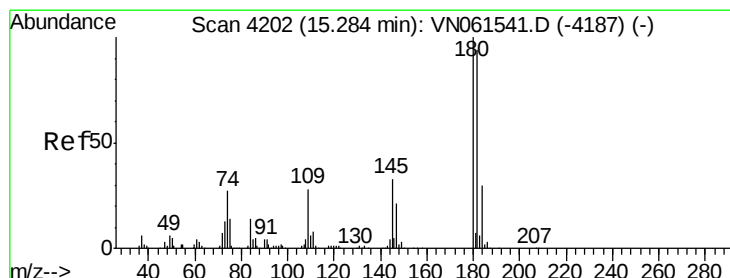
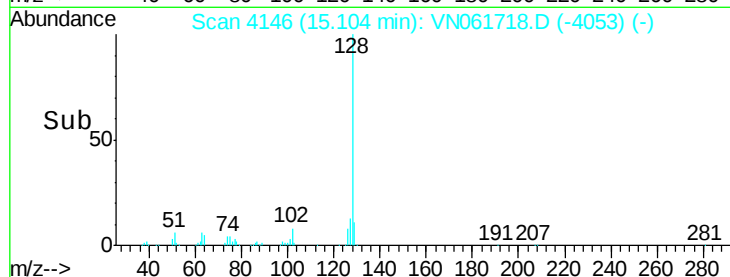
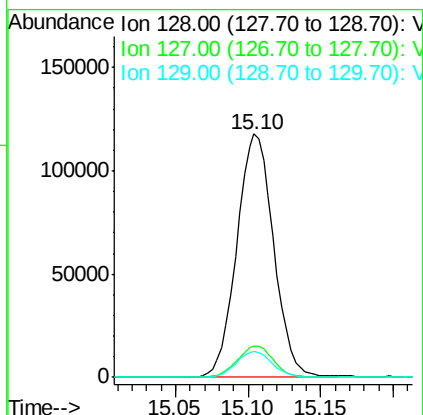
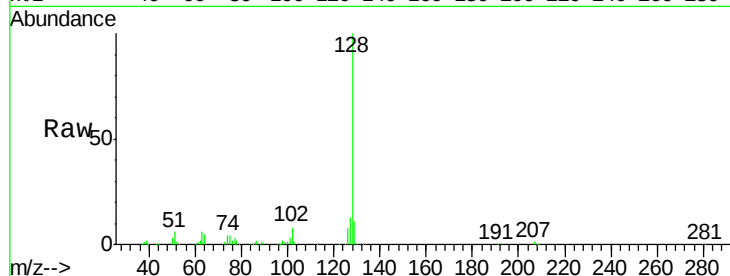




#95  
Naphthalene  
Concen: 16.695 ug/l  
RT: 15.10 min Scan# 4146  
Delta R.T. 0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0609WBSD01

Tot Ion:128 Resp: 207780  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.0 15.0  
129 10.3 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 19.012 ug/l  
RT: 15.28 min Scan# 4202  
Delta R.T. 0.00 min  
Lab File: VN061718.D  
Acq: 9 Jun 2020 12:06

Tgt Ion:180 Resp: 76432  
Ion Ratio Lower Upper  
180 100  
182 90.3 47.1 141.3  
145 30.5 16.3 48.9

