

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN061120\  
 Data File : VN061768.D  
 Acq On : 12 Jun 2020 4:54  
 Operator : JC/MD  
 Sample : VN0611WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

Quant Time: Jun 12 08:44:18 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  | 253415   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.54  | 114  | 433797   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 405085   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 188461   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 7.98   | 65  | 164411   | 54.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.90% |      |
| 35) Dibromofluoromethane    | 7.54   | 113 | 133486   | 60.66 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 121.32% |      |
| 50) Toluene-d8              | 10.06  | 98  | 499015   | 48.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.86%  |      |
| 62) 4-Bromofluorobenzene    | 12.37  | 95  | 174596   | 46.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.86%  |      |

| Target Compounds              |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 43754  | 15.76  | ug/l | 99     |
| 3) Chloromethane              | 2.03 | 50  | 60554  | 19.59  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.16 | 62  | 70923  | 16.74  | ug/l | 99     |
| 5) Bromomethane               | 2.54 | 94  | 53057  | 21.83  | ug/l | 98     |
| 6) Chloroethane               | 2.67 | 64  | 51414  | 18.86  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 100644 | 18.43  | ug/l | 99     |
| 8) Diethyl Ether              | 3.37 | 74  | 37452  | 22.42  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 41095  | 16.96  | ug/l | 96     |
| 10) Methyl Iodide             | 3.91 | 142 | 73857  | 21.95  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 48150  | 119.90 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 44558  | 17.21  | ug/l | 90     |
| 13) Acrolein                  | 3.56 | 56  | 11762  | 80.30  | ug/l | 96     |
| 14) Allyl chloride            | 4.27 | 41  | 61530  | 18.18  | ug/l | 97     |
| 15) Acrylonitrile             | 4.92 | 53  | 118628 | 105.83 | ug/l | 100    |
| 16) Acetone                   | 3.77 | 43  | 94607  | 110.23 | ug/l | 94     |
| 17) Carbon Disulfide          | 4.00 | 76  | 104890 | 18.41  | ug/l | 100    |
| 18) Methyl Acetate            | 4.27 | 43  | 56664  | 20.73  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 190231 | 21.56  | ug/l | 98     |
| 20) Methylene Chloride        | 4.50 | 84  | 65058  | 22.76  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 4.98 | 96  | 56763  | 19.44  | ug/l | 94     |
| 22) Diisopropyl ether         | 5.89 | 45  | 162100 | 21.73  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.83 | 43  | 573285 | 96.40  | ug/l | 97     |
| 24) 1,1-Dichloroethane        | 5.79 | 63  | 100279 | 21.19  | ug/l | 99     |
| 25) 2-Butanone                | 6.78 | 43  | 136888 | 95.66  | ug/l | 94     |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 60086  | 13.88  | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 6.77 | 96  | 74687  | 22.59  | ug/l | 92     |
| 28) Bromochloromethane        | 7.14 | 49  | 41625  | 22.67  | ug/l | 95     |
| 29) Tetrahydrofuran           | 7.16 | 42  | 88769  | 94.08  | ug/l | 95     |
| 30) Chloroform                | 7.32 | 83  | 115333 | 22.03  | ug/l | 100    |
| 31) Cyclohexane               | 7.61 | 56  | 60706  | 14.27  | ug/l | # 95   |
| 32) 1,1,1-Trichloroethane     | 7.52 | 97  | 90934  | 19.07  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 64876  | 16.89  | ug/l | 98     |
| 37) Ethyl Acetate             | 6.88 | 43  | 57637  | 18.63  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 67063  | 18.10  | ug/l | 96     |

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 Data File : VN061768.D  
 Acq On : 12 Jun 2020 4:54  
 Operator : JC/MD  
 Sample : VN0611WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0611WBSD02

Quant Time: Jun 12 08:44:18 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   | 61758    | 13.05  | ug/l   | 99       |
| 40) Benzene                    | 8.00  | 78   | 241781   | 20.41  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.12  | 41   | 31031    | 21.90  | ug/l # | 85       |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 86615    | 21.83  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.12  | 43   | 101951   | 18.32  | ug/l   | 96       |
| 44) Trichloroethene            | 8.80  | 130  | 69205    | 19.00  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 60648    | 21.56  | ug/l   | 96       |
| 46) Dibromomethane             | 9.17  | 93   | 46984    | 21.77  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.36  | 83   | 96051    | 22.47  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.16  | 41   | 45118    | 18.02  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.16  | 88   | 25205    | 649.85 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 296219   | 94.46  | ug/l   | 98       |
| 52) Toluene                    | 10.12 | 92   | 152033   | 19.66  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 90137    | 19.57  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 99005    | 19.99  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 69488    | 22.55  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 84209    | 19.57  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 107310   | 21.78  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 148643   | 80.81  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.72 | 43   | 204462   | 90.79  | ug/l   | 97       |
| 60) Dibromochloromethane       | 10.87 | 129  | 77868    | 22.23  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 69735    | 21.70  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.60 | 164  | 68927    | 18.08  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.40 | 112  | 170286   | 20.22  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 67929    | 21.67  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.48 | 91   | 265988   | 18.28  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.59 | 106  | 211366   | 36.63  | ug/l   | 98       |
| 69) o-Xylene                   | 11.92 | 106  | 101253   | 18.47  | ug/l   | 100      |
| 70) Styrene                    | 11.94 | 104  | 175282   | 19.31  | ug/l   | 98       |
| 71) Bromoform                  | 12.10 | 173  | 52273    | 21.64  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.22 | 105  | 251156   | 18.26  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.04 | 43   | 80187    | 18.51  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 82956    | 21.52  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 102893   | 30.02  | ug/l # | 100      |
| 77) Bromobenzene               | 12.50 | 156  | 77691    | 22.13  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.56 | 91   | 269393   | 17.54  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 173662   | 18.97  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 210999   | 18.35  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 22931    | 17.11  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 178182   | 18.50  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 169130   | 16.65  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 214033   | 18.74  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 217826   | 16.64  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 201329   | 16.70  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 126551   | 20.35  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 128707   | 20.32  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.59 | 91   | 154465   | 15.30  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 31013    | 23.26  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 125952   | 21.20  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 14238    | 18.11  | ug/l   | 97       |

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Operator : JC/MD  
Sample : VN0611WBSD02  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

Quant Time: Jun 12 08:44:18 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  | 67386    | 19.39 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 25619    | 17.29 | ug/l  | 98       |
| 95) Naphthalene            | 15.10 | 128  | 199374   | 18.85 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 68816    | 20.14 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

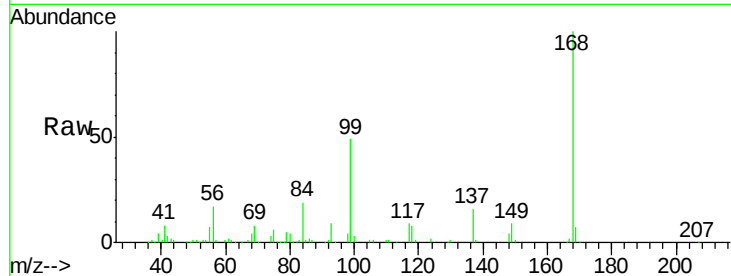
VN0611WBSD02

Tgt Ion: 168 Resp: 253415

Ion Ratio Lower Upper

168 100

99 48.9 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

100000

80000

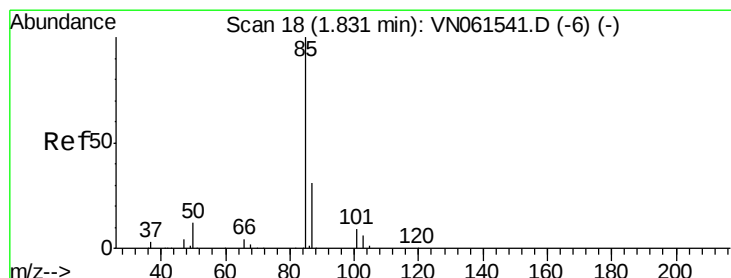
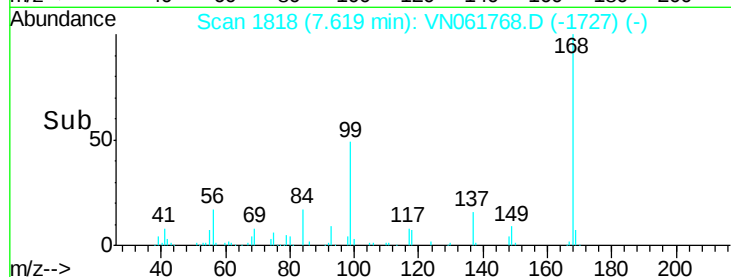
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.76 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061768.D

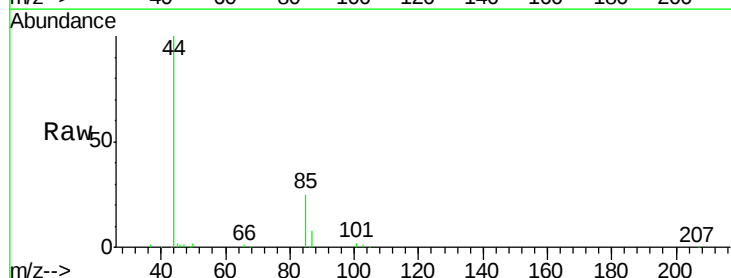
Acq: 12 Jun 2020 4:54

Tgt Ion: 85 Resp: 43754

Ion Ratio Lower Upper

85 100

87 31.6 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

40000

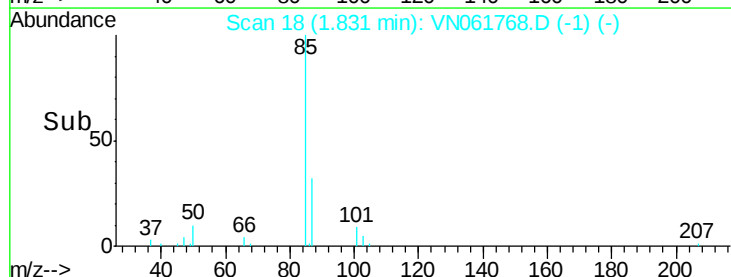
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.59 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

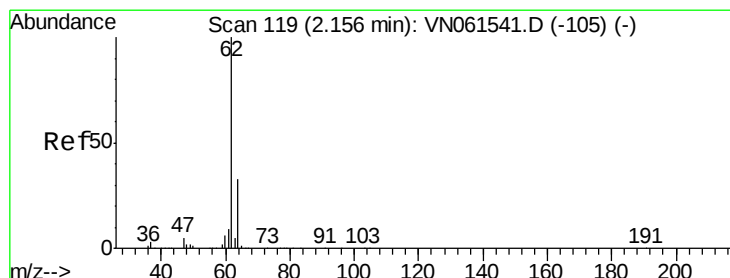
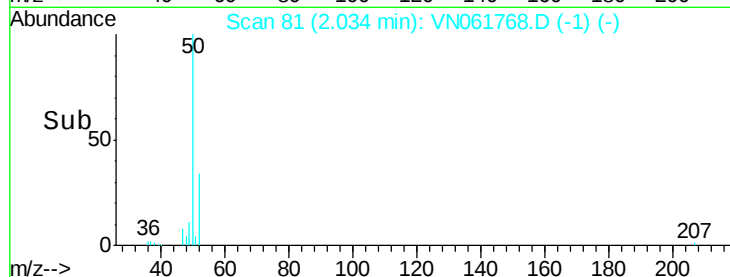
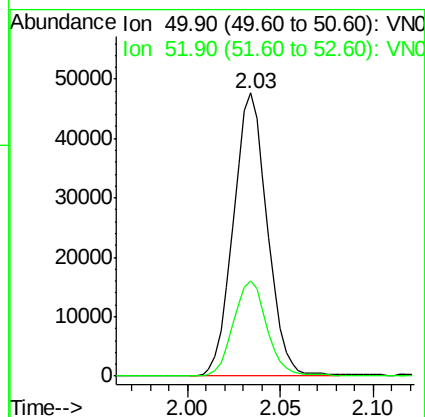
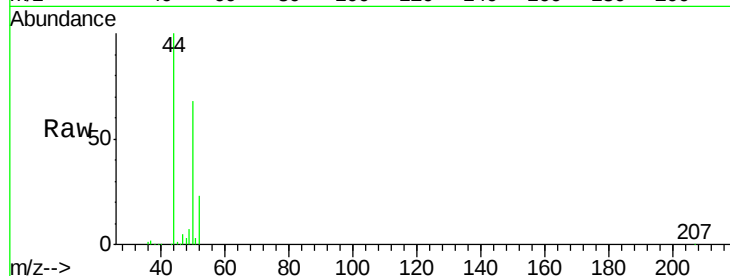
VN0611WBSD02

Tgt Ion: 50 Resp: 60554

Ion Ratio Lower Upper

50 100

52 33.7 26.7 40.1



#4

Vinyl Chloride

Concen: 16.74 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061768.D

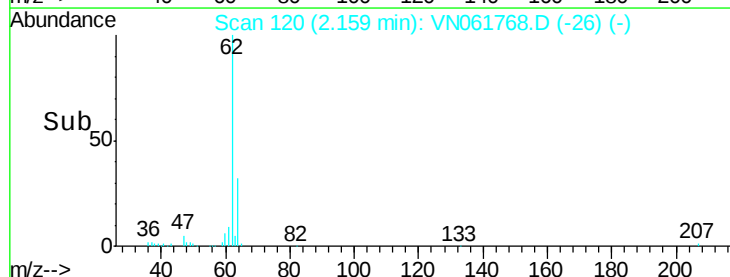
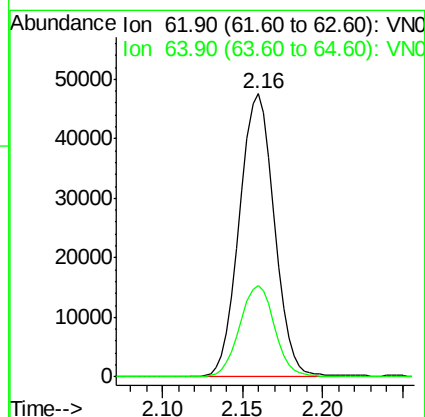
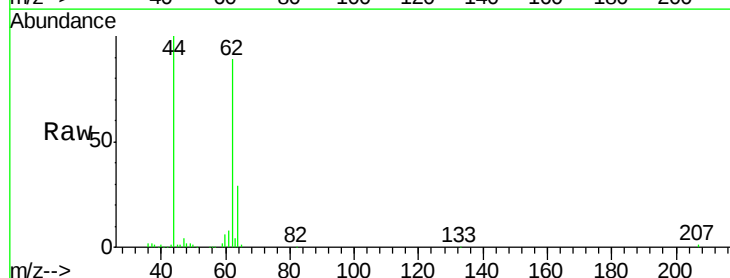
Acq: 12 Jun 2020 4:54

Tgt Ion: 62 Resp: 70923

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.2





#5

Bromomethane

Concen: 21.83 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

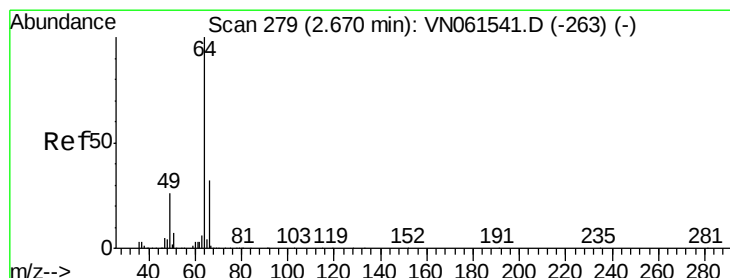
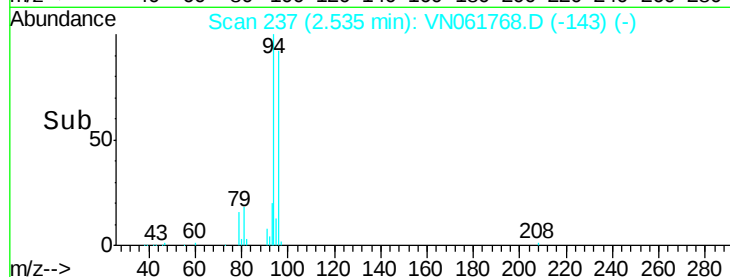
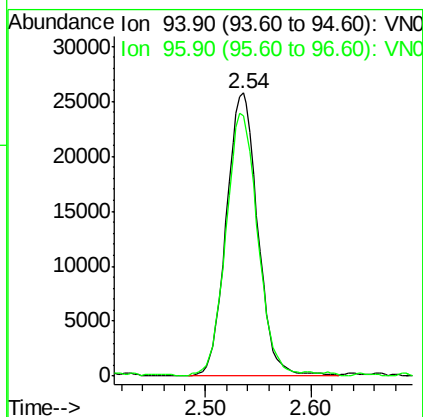
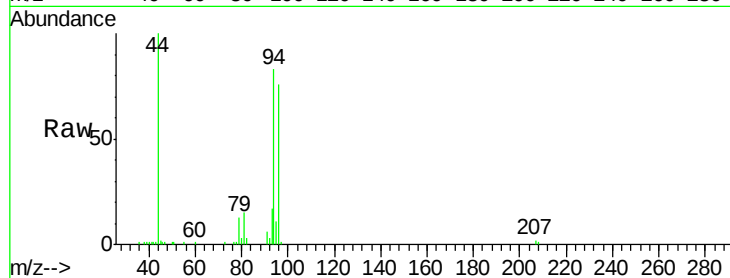
VN0611WBSD02

Tgt Ion: 94 Resp: 53057

Ion Ratio Lower Upper

94 100

96 92.0 74.8 112.2



#6

Chloroethane

Concen: 18.86 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061768.D

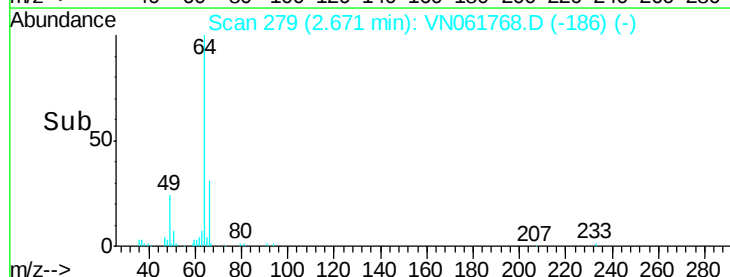
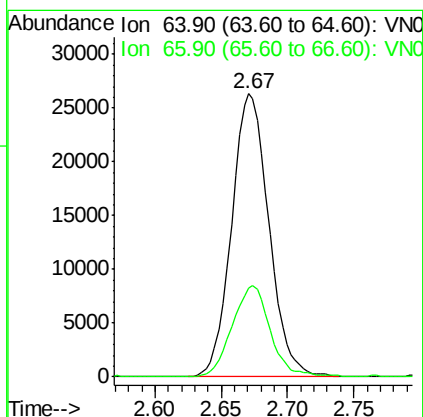
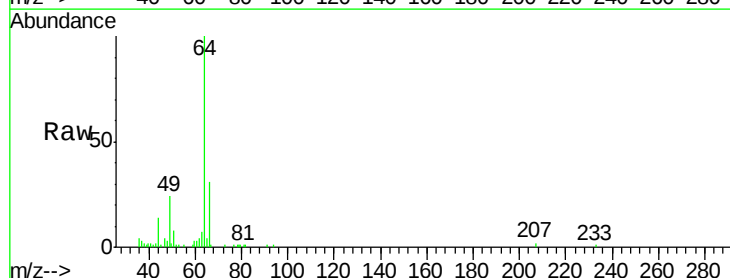
Acq: 12 Jun 2020 4:54

Tgt Ion: 64 Resp: 51414

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4





#7

Trichlorofluoromethane

Concen: 18.43 ug/l

RT: 2.98 min Scan# 376

Delta R.T. 0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

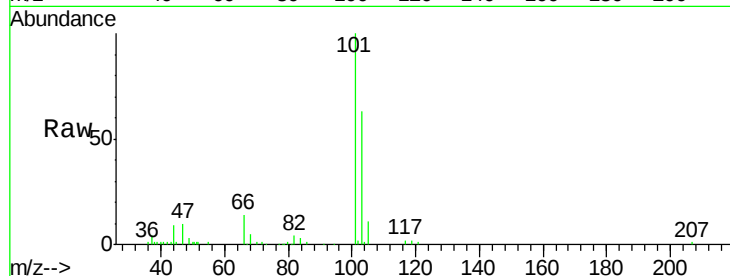
VN0611WBSD02

Tgt Ion:101 Resp: 100644

Ion Ratio Lower Upper

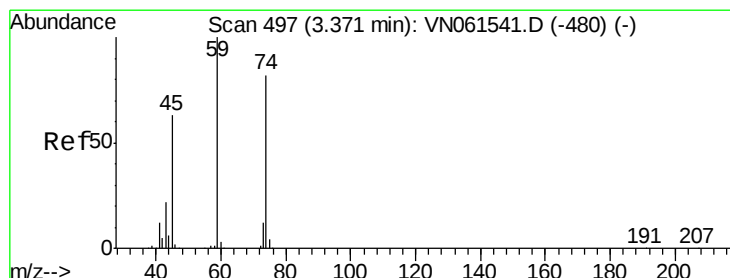
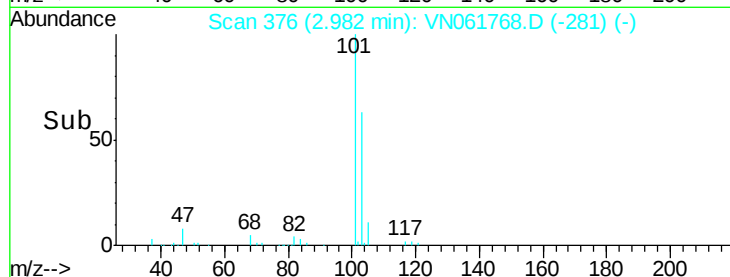
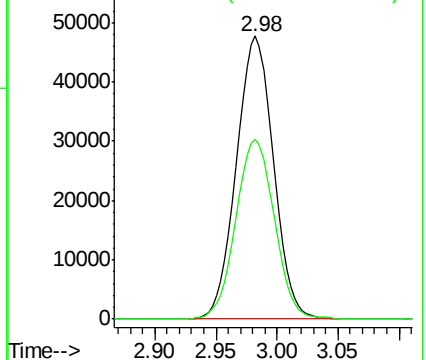
101 100

103 63.5 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 22.42 ug/l

RT: 3.37 min Scan# 497

Delta R.T. 0.00 min

Lab File: VN061768.D

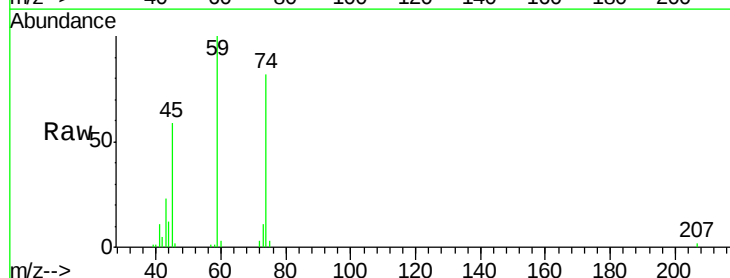
Acq: 12 Jun 2020 4:54

Tgt Ion: 74 Resp: 37452

Ion Ratio Lower Upper

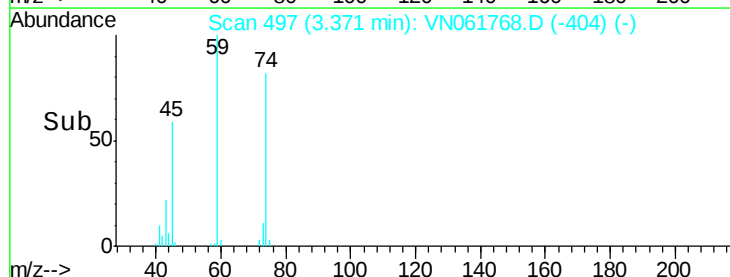
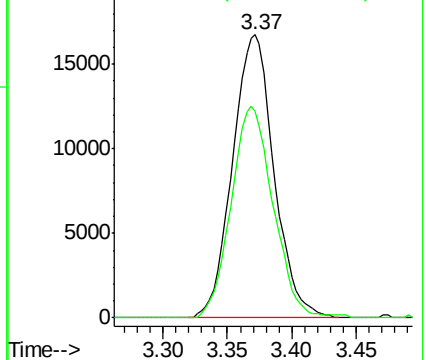
74 100

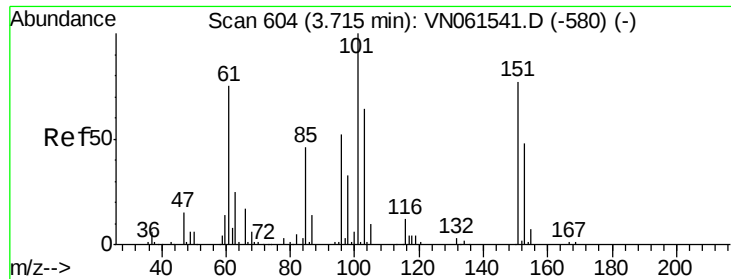
45 75.4 39.9 119.7



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.96 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBSD02

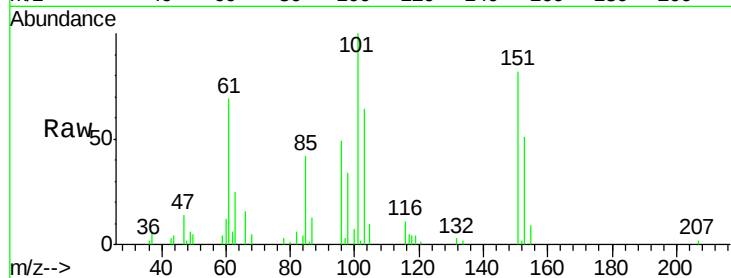
Tgt Ion:101 Resp: 41095

Ion Ratio Lower Upper

101 100

85 43.3 35.2 52.8

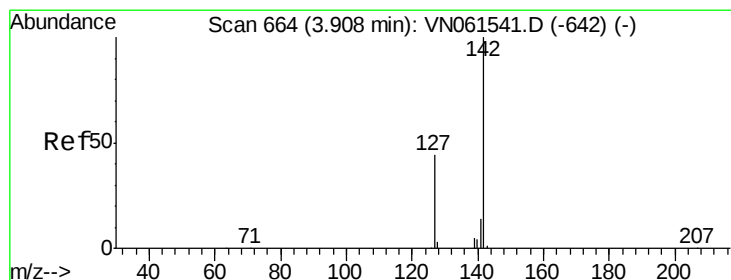
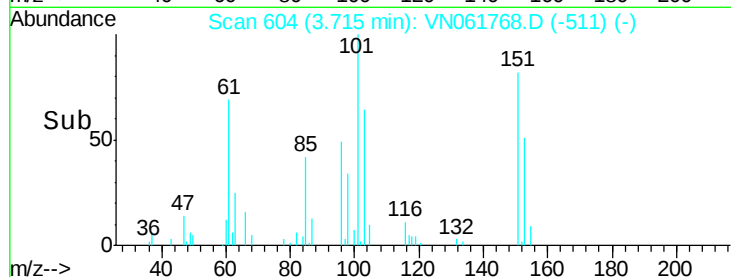
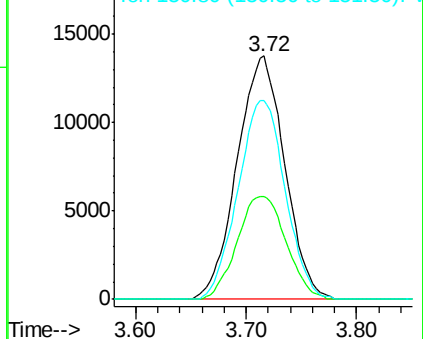
151 81.3 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.95 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

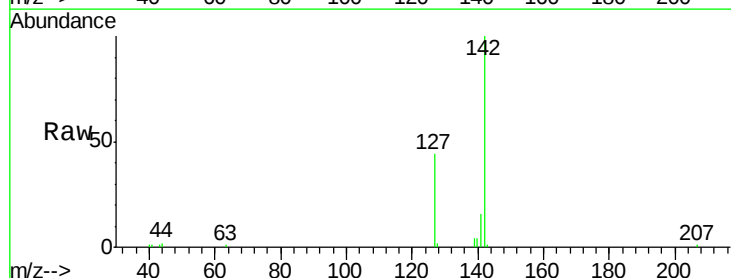
Tgt Ion:142 Resp: 73857

Ion Ratio Lower Upper

142 100

127 43.3 35.5 53.3

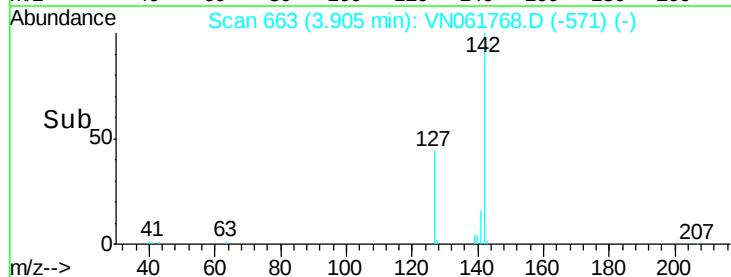
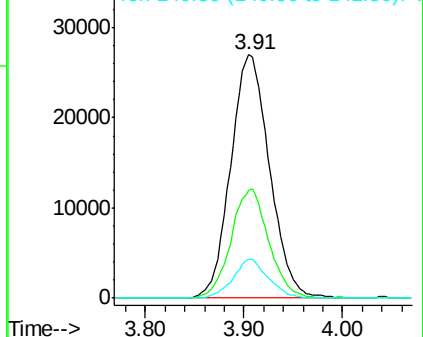
141 14.3 11.5 17.3

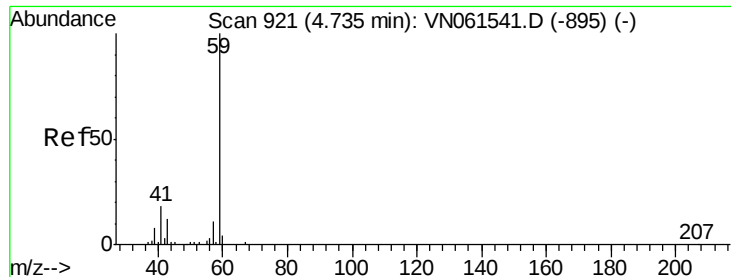


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



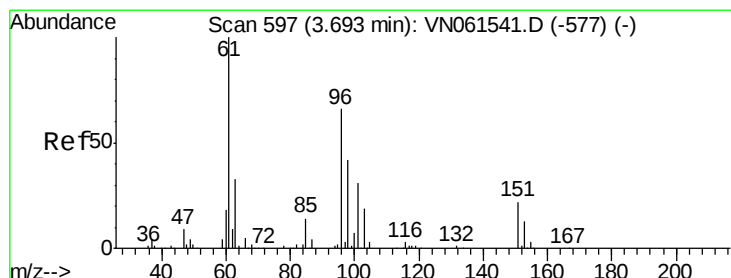
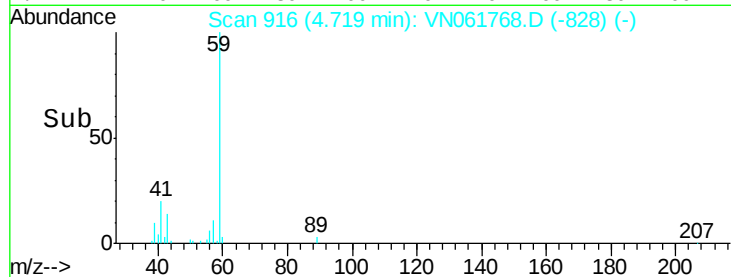
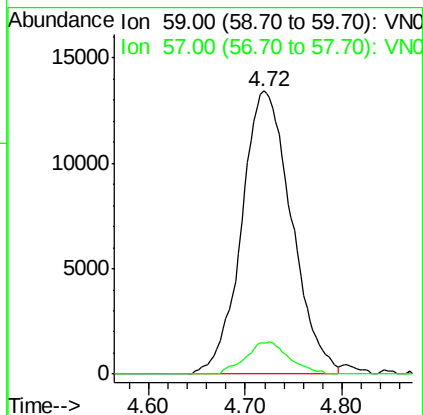
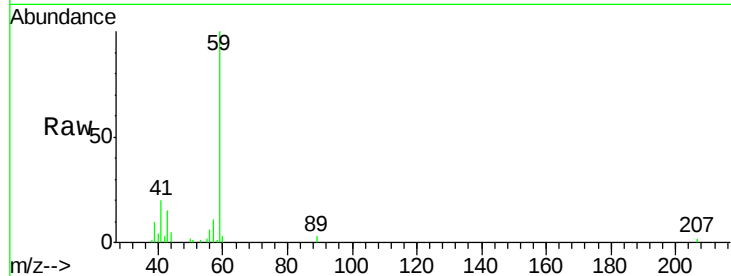


#11

Tert butyl alcohol  
 Concen: 119.90 ug/l  
 RT: 4.72 min Scan# 916  
 Delta R.T. -0.02 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

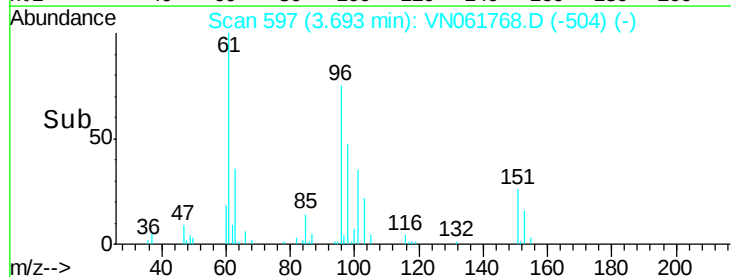
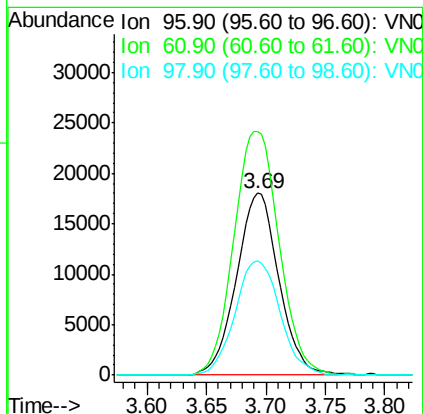
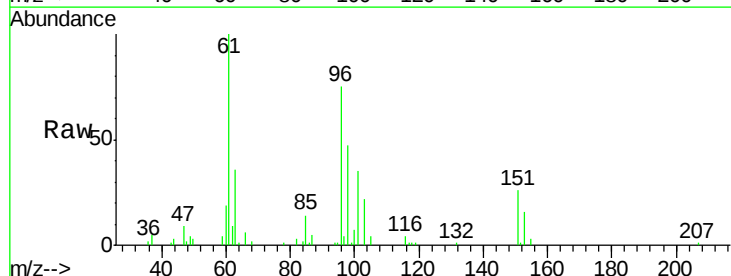
Tgt Ion: 59 Resp: 48150  
 Ion Ratio Lower Upper  
 59 100  
 57 9.9 8.4 12.6

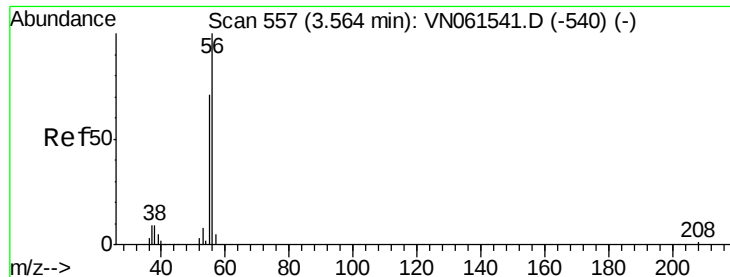


#12

1,1-Dichloroethene  
 Concen: 17.21 ug/l  
 RT: 3.69 min Scan# 597  
 Delta R.T. 0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 96 Resp: 44558  
 Ion Ratio Lower Upper  
 96 100  
 61 133.9 120.5 180.7  
 98 62.7 50.8 76.2





#13

Acrolein

Concen: 80.30 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

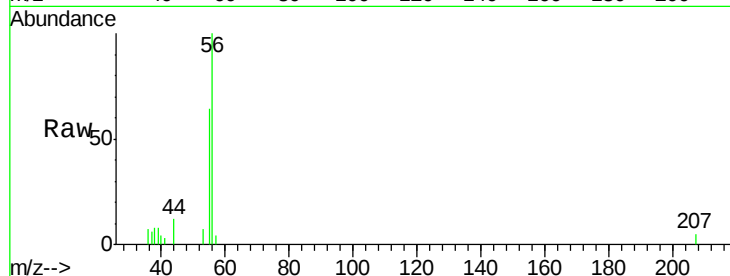
VN0611WBSD02

Tgt Ion: 56 Resp: 11762

Ion Ratio Lower Upper

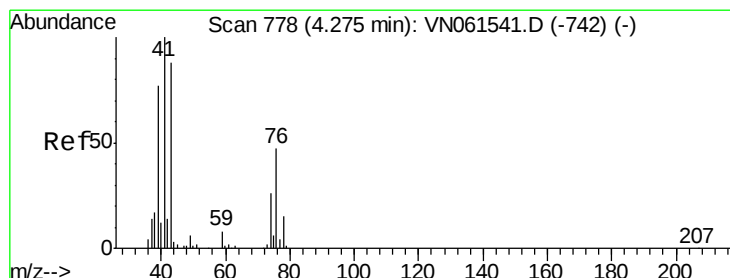
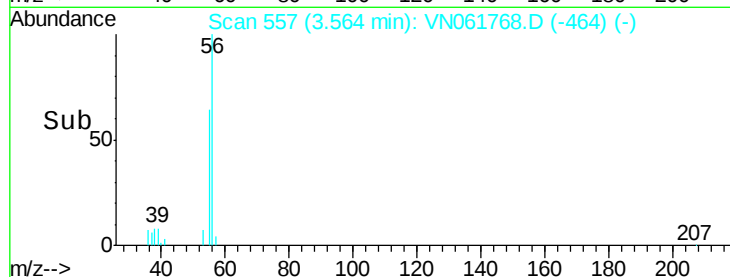
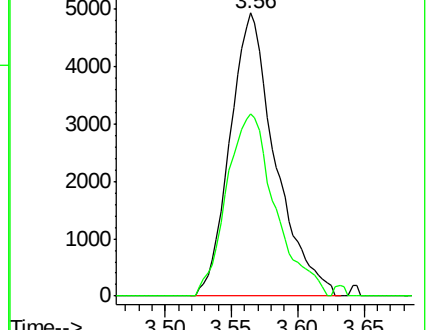
56 100

55 68.8 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061768.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061768.D (-540) (-)



#14

Allyl chloride

Concen: 18.18 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

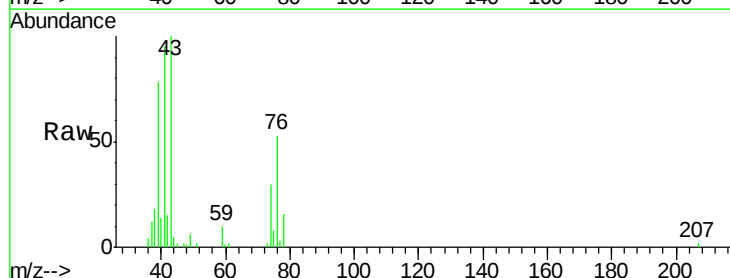
Tgt Ion: 41 Resp: 61530

Ion Ratio Lower Upper

41 100

39 73.6 58.6 88.0

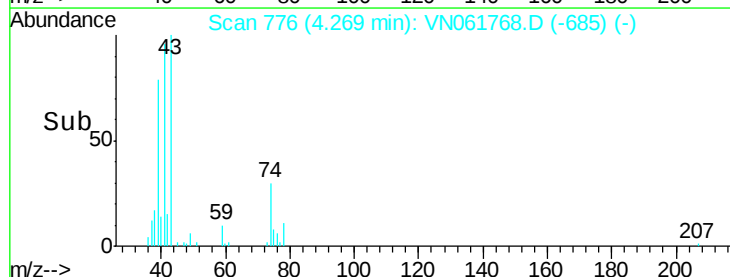
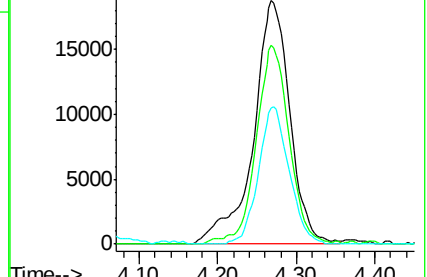
76 47.5 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061768.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061768.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061768.D (-685) (-)





#15

Acrylonitrile

Concen: 105.83 ug/l

RT: 4.92 min Scan# 978

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBSD02

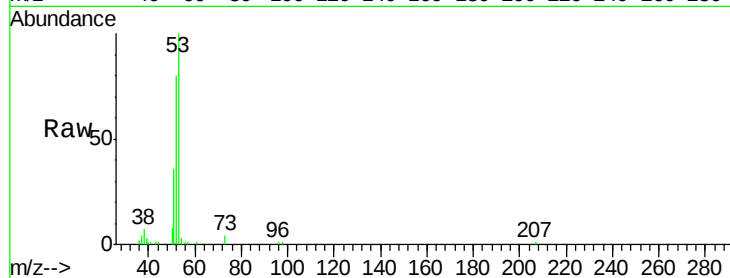
Tgt Ion: 53 Resp: 118628

Ion Ratio Lower Upper

53 100

52 81.7 65.4 98.2

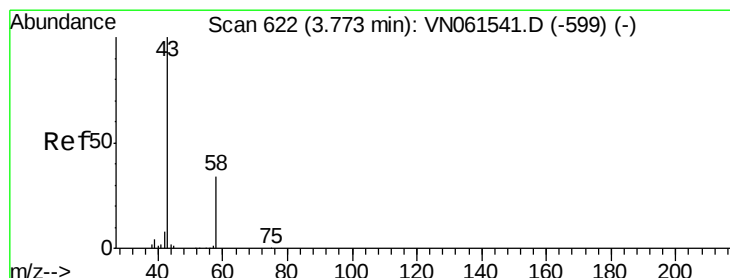
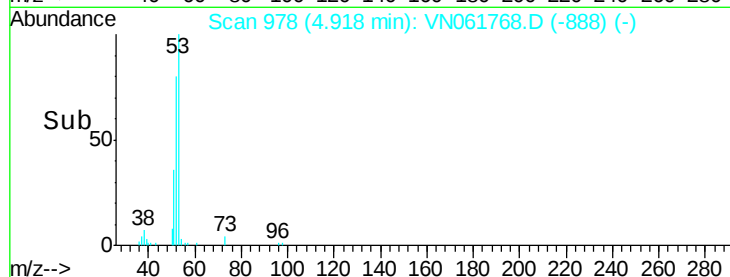
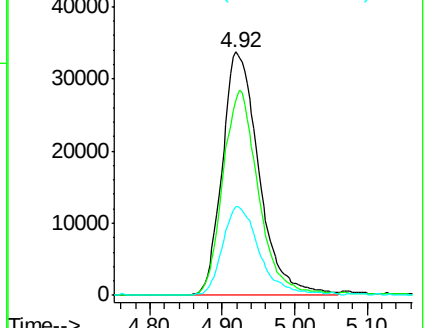
51 36.9 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN061768.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN061768.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN061768.D (-978) (-)



#16

Acetone

Concen: 110.23 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061768.D

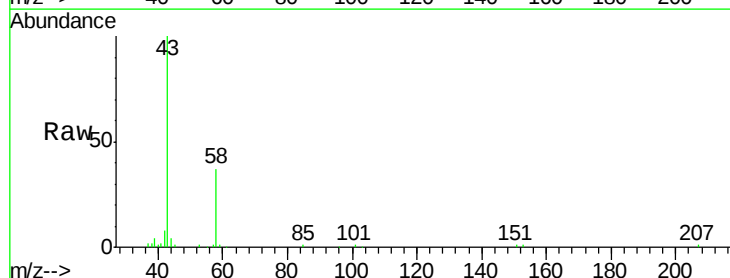
Acq: 12 Jun 2020 4:54

Tgt Ion: 43 Resp: 94607

Ion Ratio Lower Upper

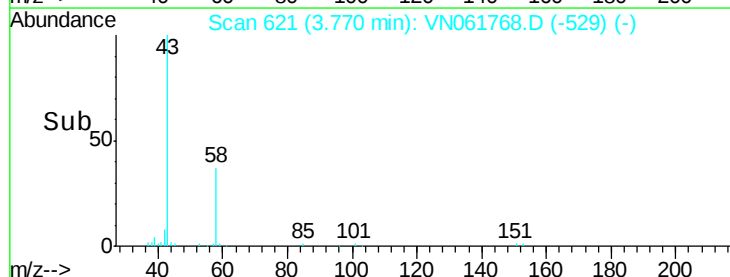
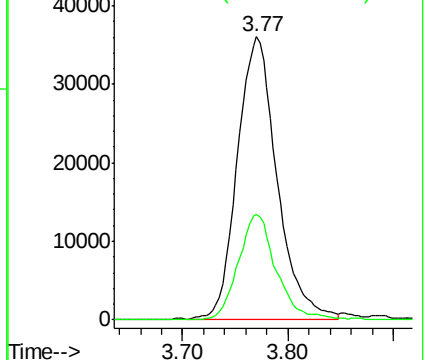
43 100

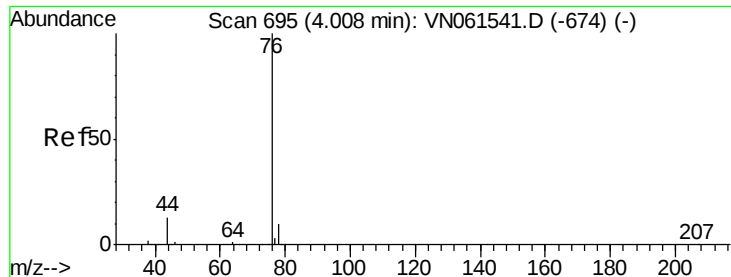
58 37.5 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061768.D (-621) (-)

Ion 58.00 (57.70 to 58.70): VN061768.D (-621) (-)





#17

Carbon Disulfide

Concen: 18.41 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

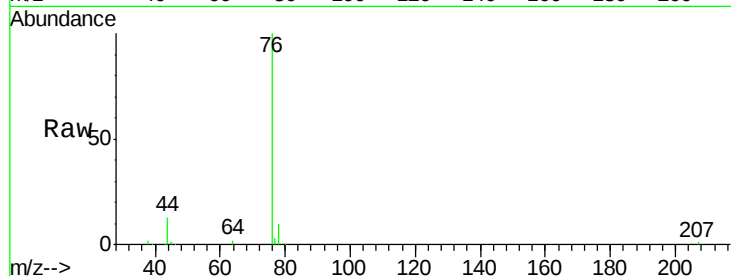
VN0611WBSD02

Tgt Ion: 76 Resp: 104890

Ion Ratio Lower Upper

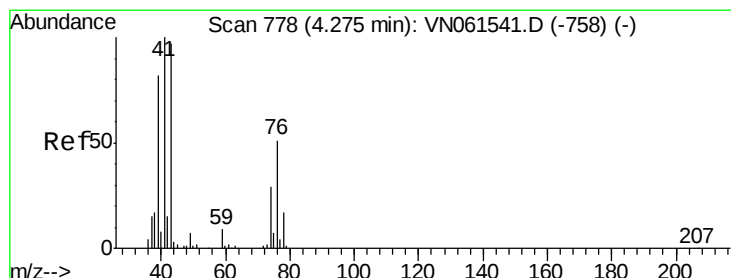
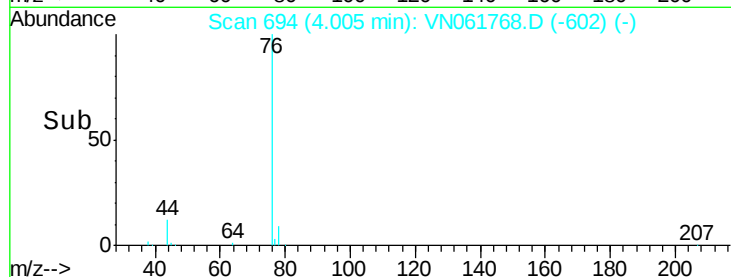
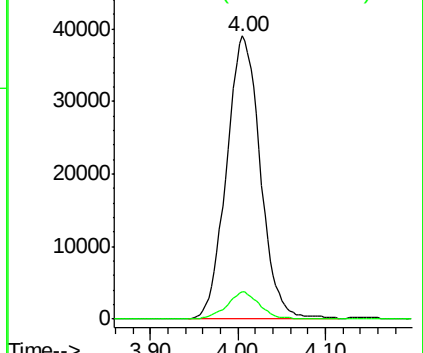
76 100

78 9.9 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN061541.D (-674) (-)



#18

Methyl Acetate

Concen: 20.73 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061768.D

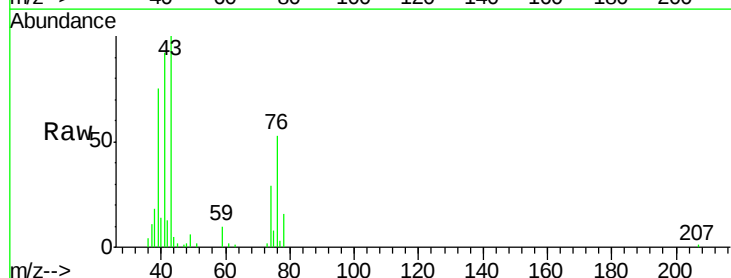
Acq: 12 Jun 2020 4:54

Tgt Ion: 43 Resp: 56664

Ion Ratio Lower Upper

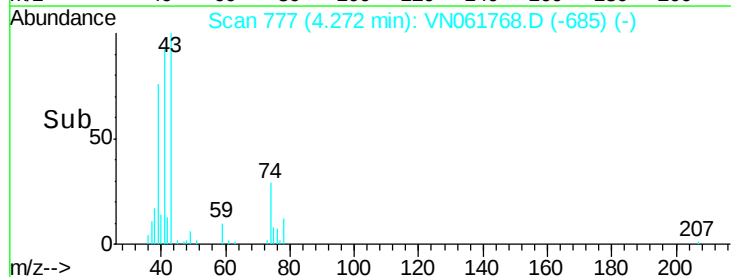
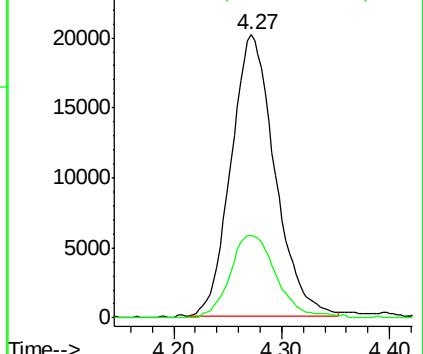
43 100

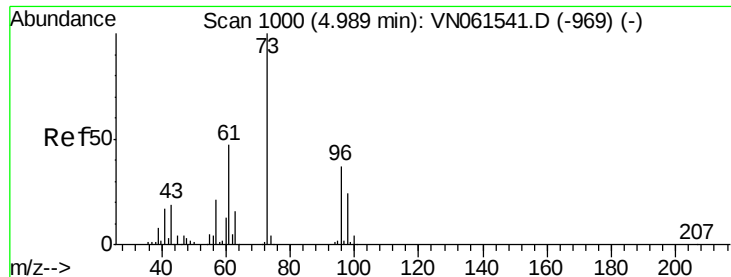
74 30.4 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061541.D (-758) (-)

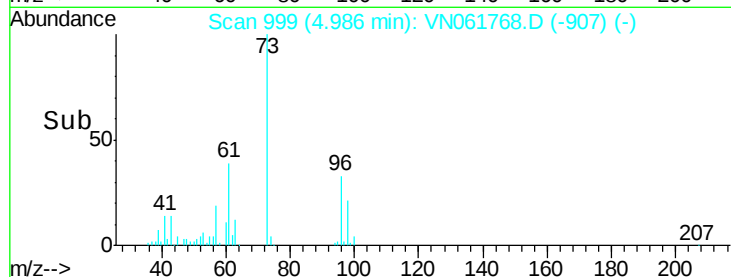
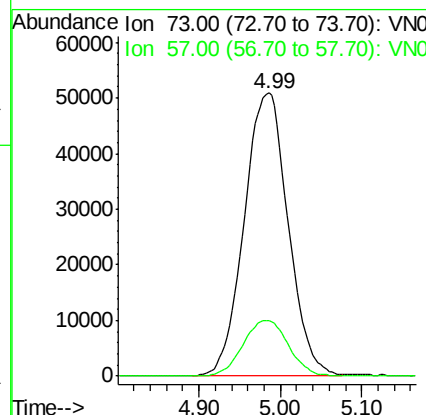
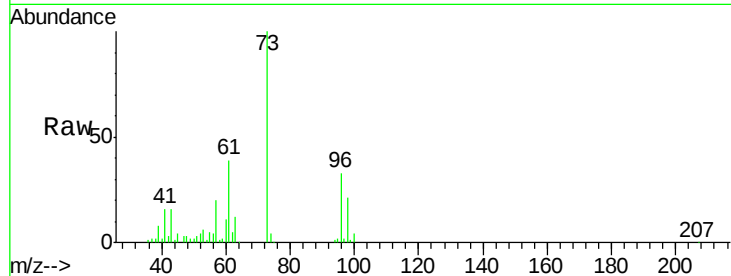




#19  
Methyl tert-butyl Ether  
Concen: 21.56 ug/l  
RT: 4.99 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

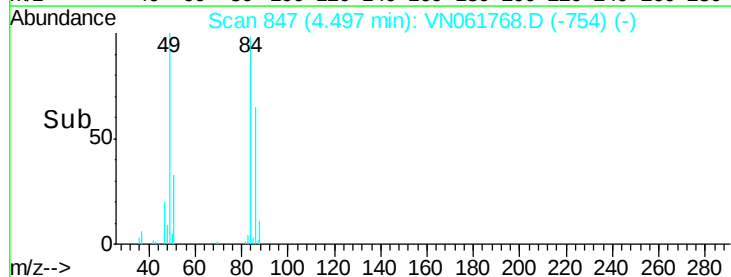
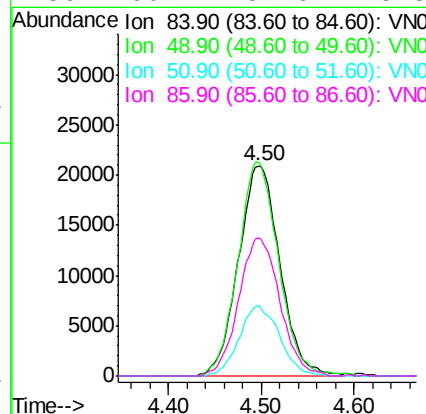
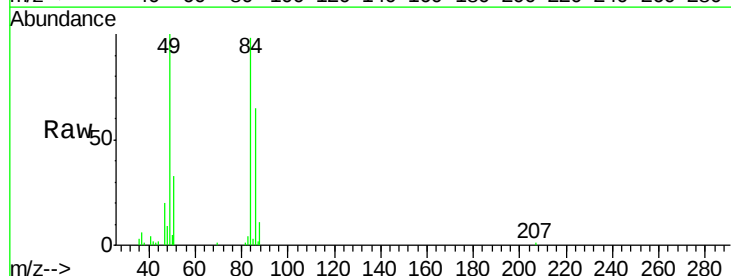
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

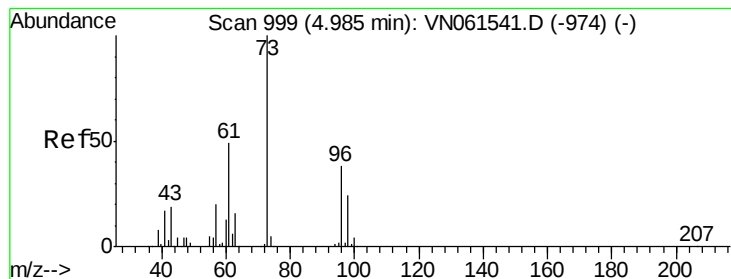
Tgt Ion: 73 Resp: 190231  
Ion Ratio Lower Upper  
73 100  
57 19.5 16.4 24.6



#20  
Methylene Chloride  
Concen: 22.76 ug/l  
RT: 4.50 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion: 84 Resp: 65058  
Ion Ratio Lower Upper  
84 100  
49 101.7 85.8 128.8  
51 33.4 26.2 39.2  
86 66.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 19.44 ug/l

RT: 4.98 min Scan# 996

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampled :

VN0611WBSD02

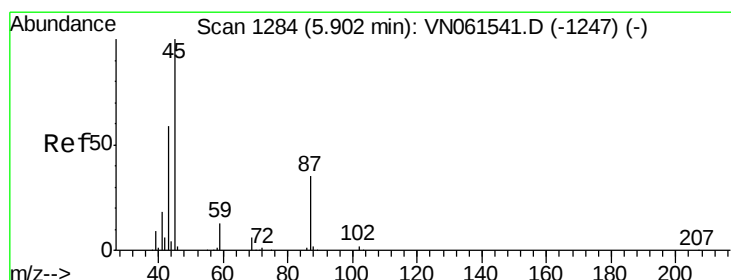
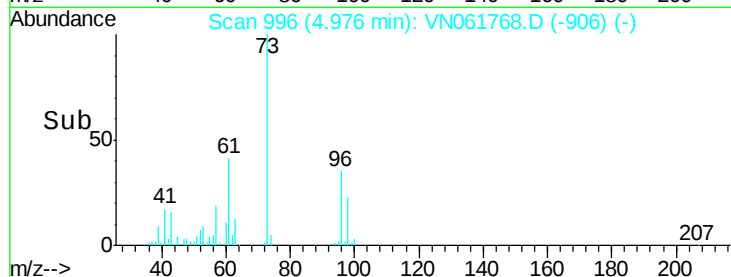
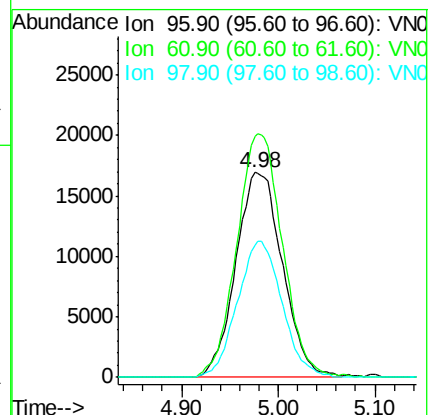
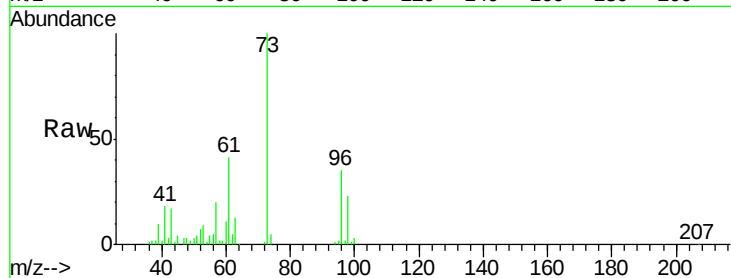
Tgt Ion: 96 Resp: 56763

Ion Ratio Lower Upper

96 100

61 117.7 101.4 152.0

98 64.6 50.6 76.0



#22

Diisopropyl ether

Concen: 21.73 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion: 45 Resp: 162100

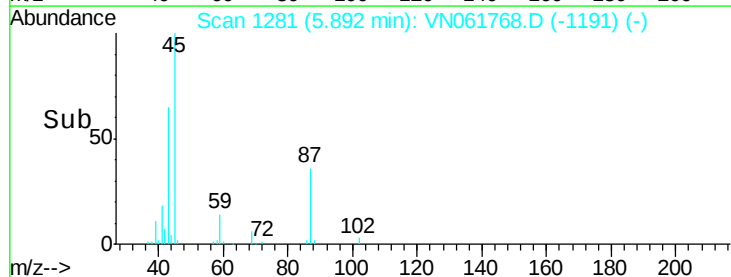
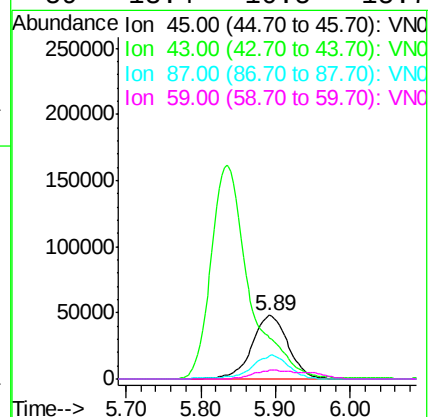
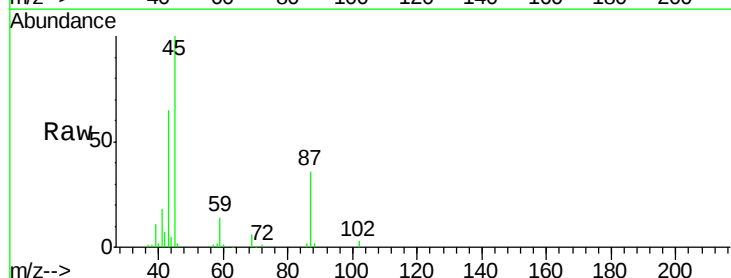
Ion Ratio Lower Upper

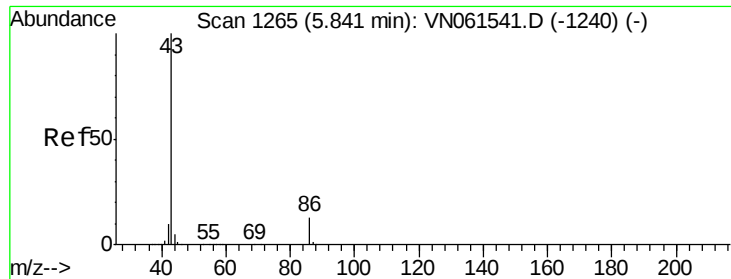
45 100

43 63.0 47.9 71.9

87 36.1 28.4 42.6

59 13.4 10.5 15.7

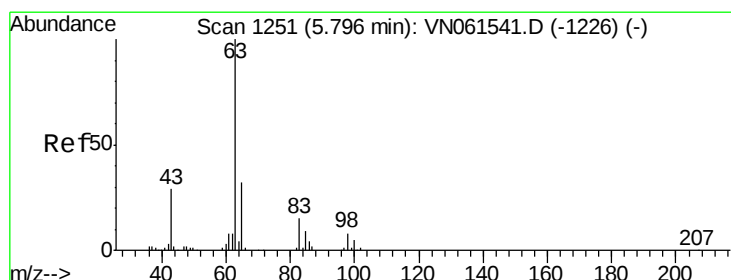
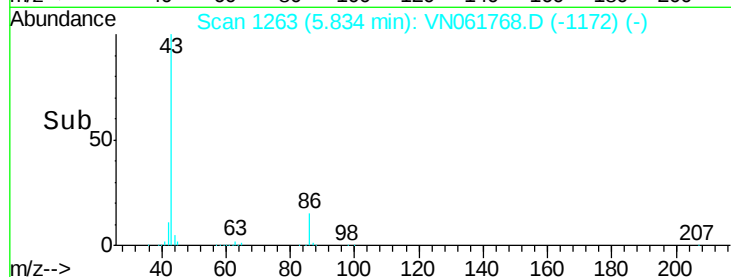
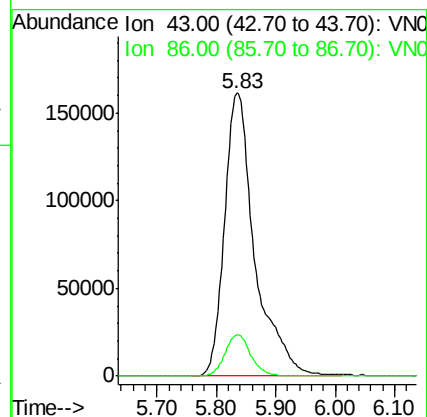
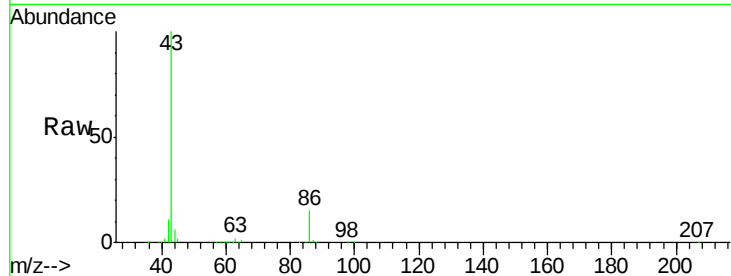




#23  
 Vinyl Acetate  
 Concen: 96.40 ug/l  
 RT: 5.83 min Scan# 1263  
 Delta R.T. -0.01 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

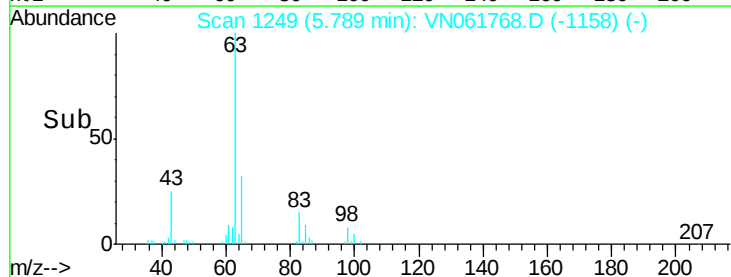
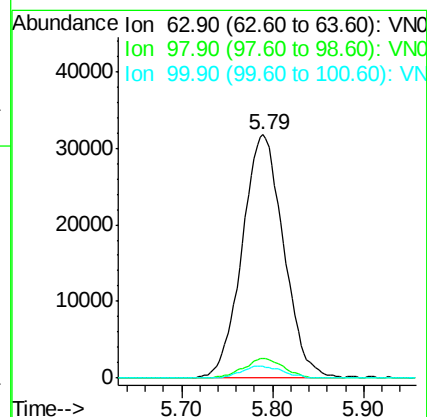
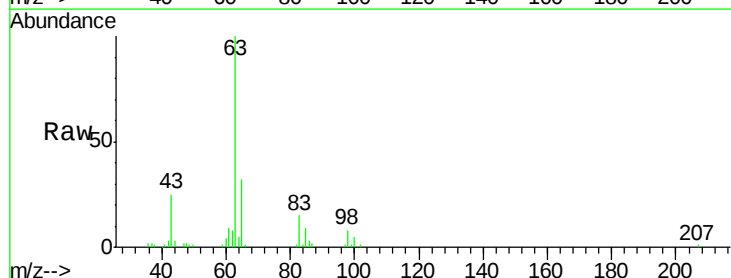
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

Tgt Ion: 43 Resp: 573285  
 Ion Ratio Lower Upper  
 43 100  
 86 14.5 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 21.19 ug/l  
 RT: 5.79 min Scan# 1249  
 Delta R.T. -0.01 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 63 Resp: 100279  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 3.8 11.4  
 100 4.7 2.5 7.6

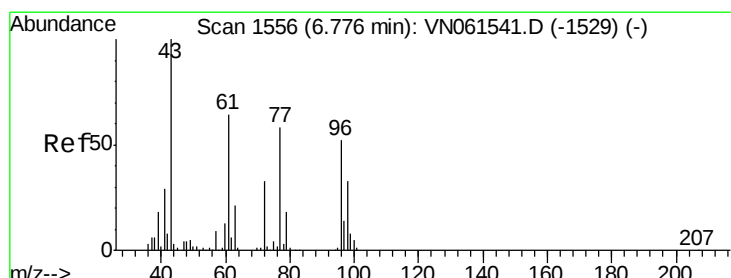
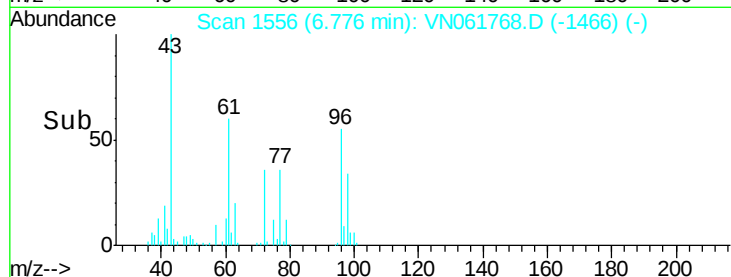
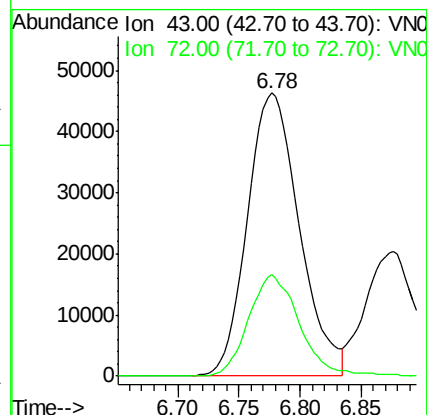
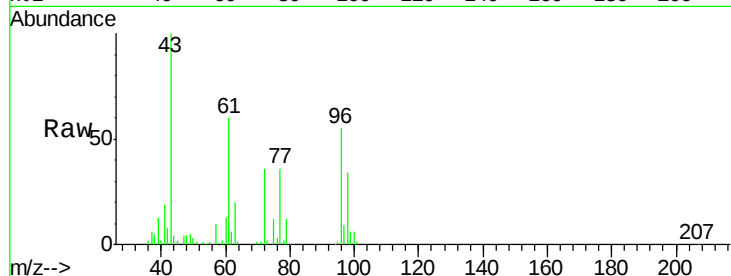




#25  
2-Butanone  
Concen: 95.66 ug/l  
RT: 6.78 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

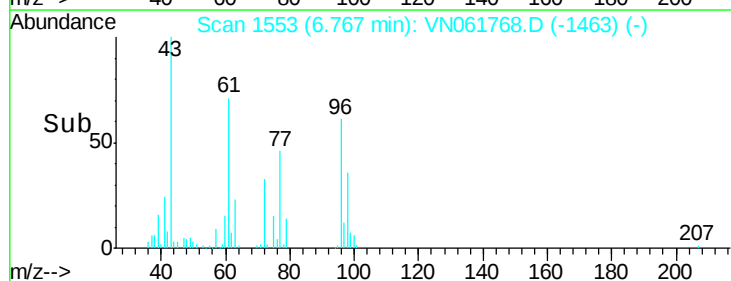
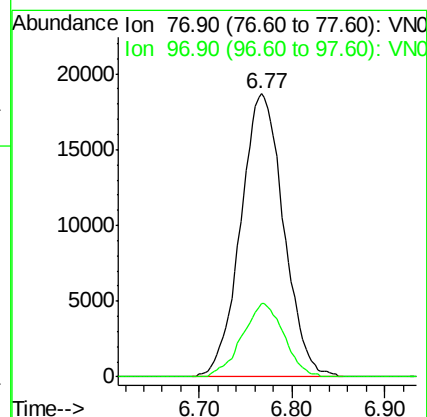
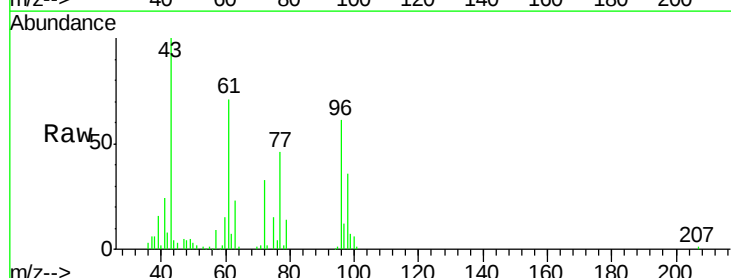
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0611WBSD02

Tgt Ion: 43 Resp: 136888  
Ion Ratio Lower Upper  
43 100  
72 35.8 26.0 39.0



#26  
2,2-Dichloropropane  
Concen: 13.88 ug/l  
RT: 6.77 min Scan# 1553  
Delta R.T. -0.01 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion: 77 Resp: 60086  
Ion Ratio Lower Upper  
77 100  
97 25.3 12.0 36.0

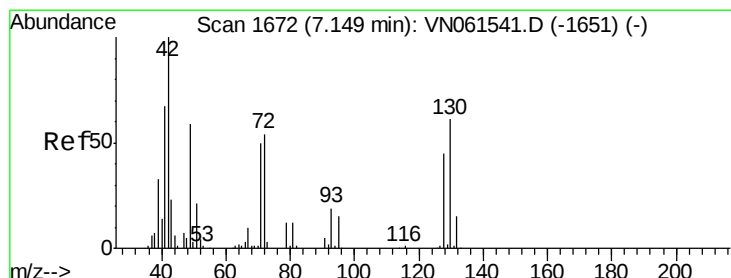
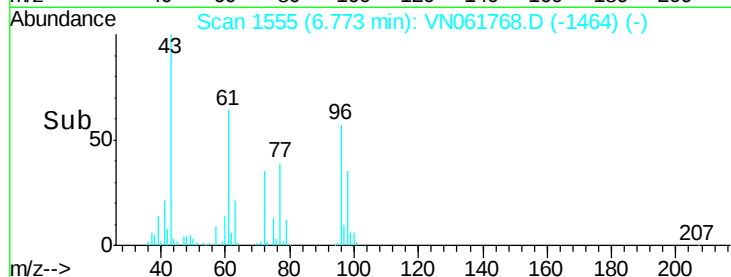
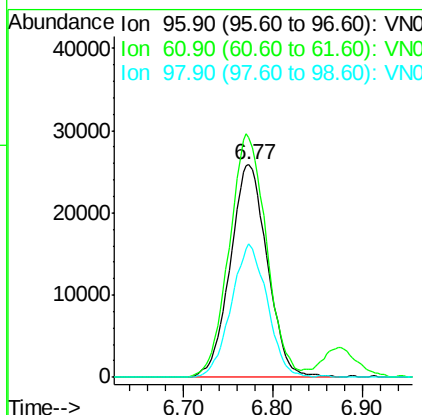
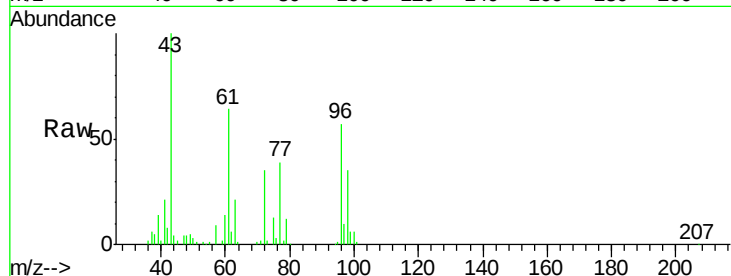




#27  
 cis-1,2-Dichloroethene  
 Concen: 22.59 ug/l  
 RT: 6.77 min Scan# 1555  
 Delta R.T. -0.01 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

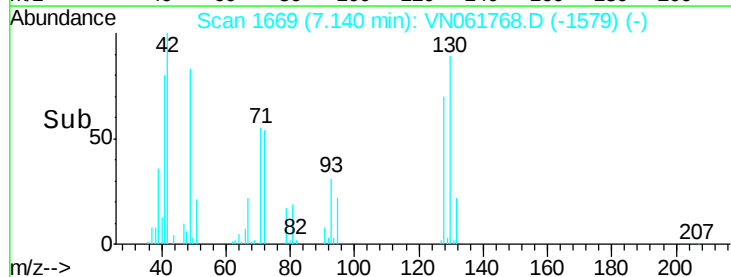
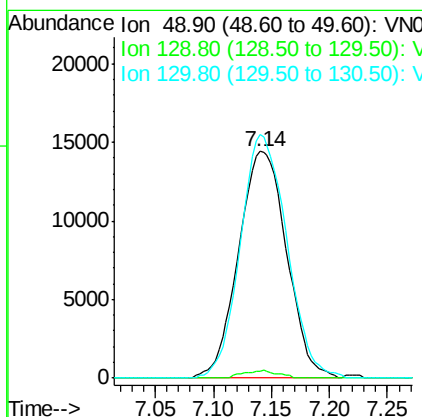
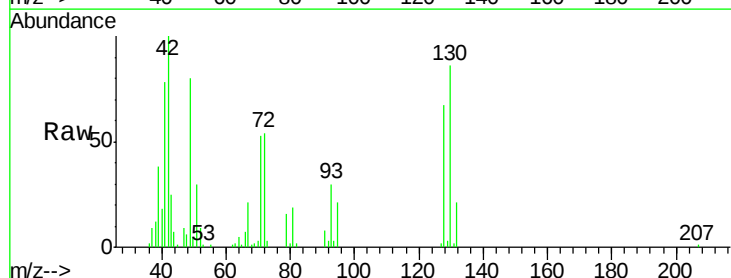
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

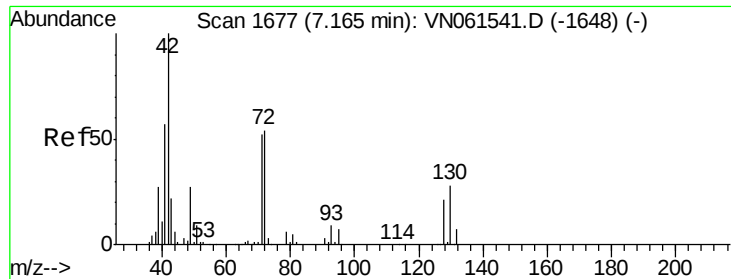
Tgt Ion: 96 Resp: 74687  
 Ion Ratio Lower Upper  
 96 100  
 61 114.3 0.0 252.2  
 98 60.8 0.0 129.2



#28  
 Bromochloromethane  
 Concen: 22.67 ug/l  
 RT: 7.14 min Scan# 1669  
 Delta R.T. -0.01 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 49 Resp: 41625  
 Ion Ratio Lower Upper  
 49 100  
 129 2.4 0.0 4.8  
 130 103.8 78.8 118.2

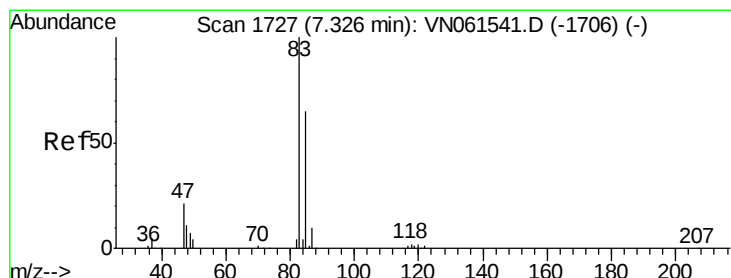
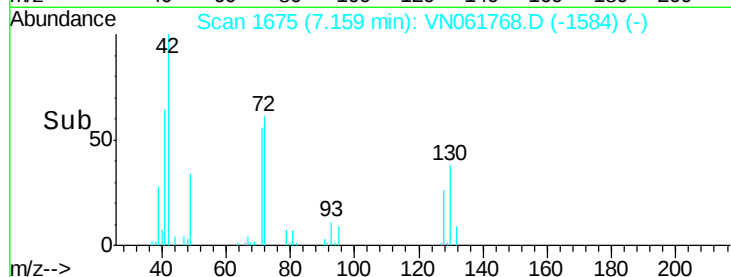
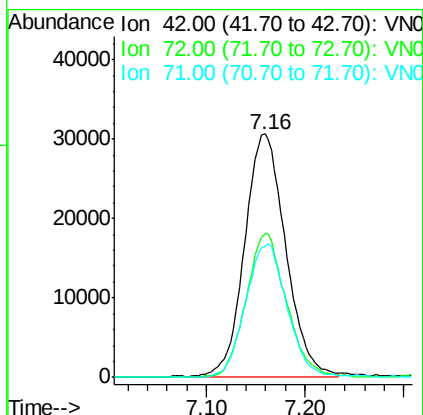
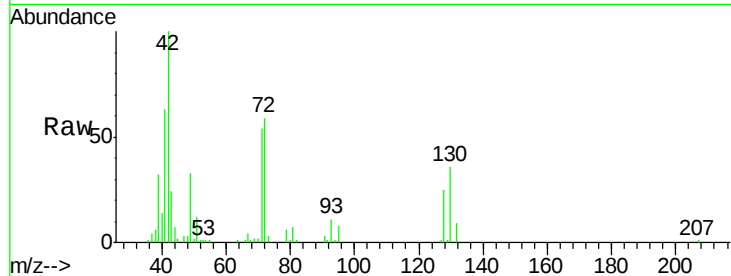




#29  
Tetrahydrofuran  
Concen: 94.08 ug/l  
RT: 7.16 min Scan# 1675  
Delta R.T. -0.01 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

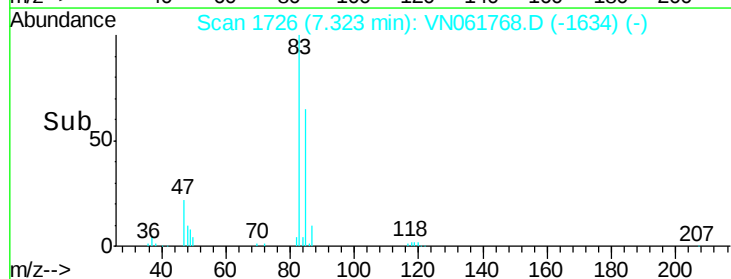
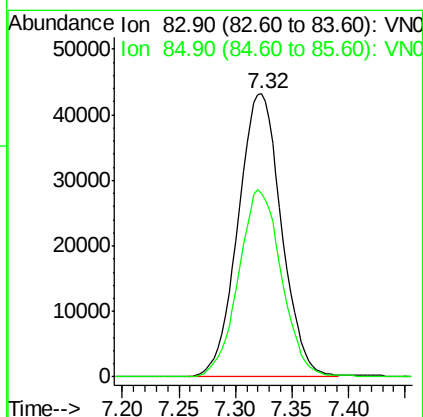
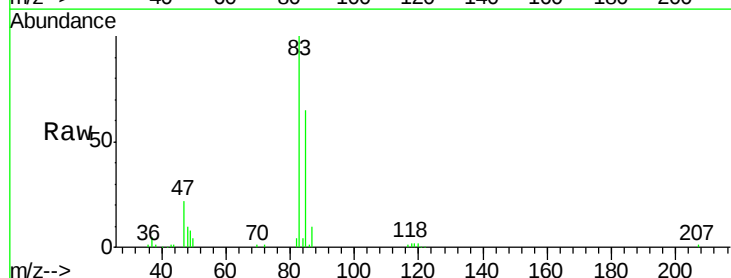
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

Tgt Ion: 42 Resp: 88769  
Ion Ratio Lower Upper  
42 100  
72 57.8 43.6 65.4  
71 54.9 41.2 61.8



#30  
Chloroform  
Concen: 22.03 ug/l  
RT: 7.32 min Scan# 1726  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion: 83 Resp: 115333  
Ion Ratio Lower Upper  
83 100  
85 65.0 51.7 77.5





#31

Cyclohexane

Concen: 14.27 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBSD02

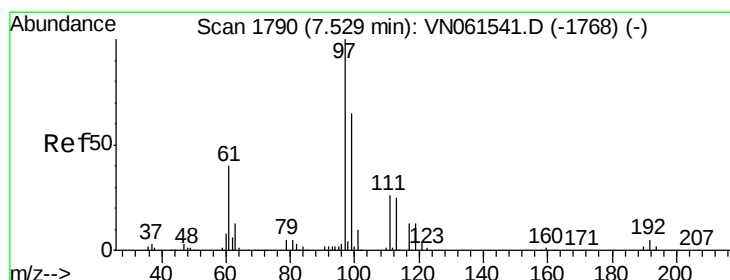
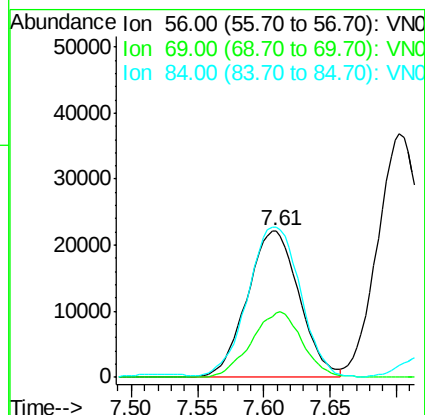
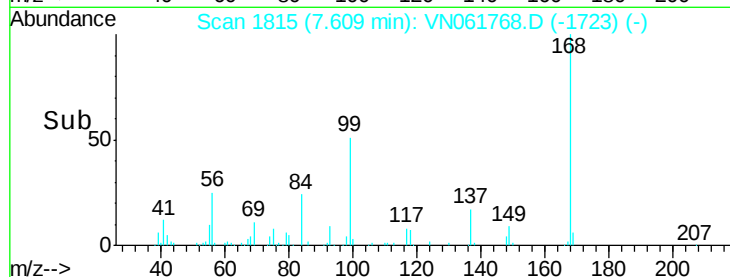
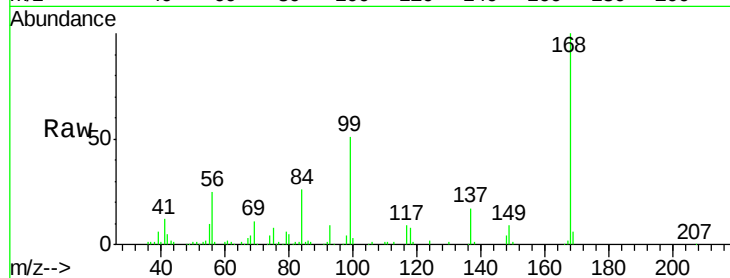
Tgt Ion: 56 Resp: 60706

Ion Ratio Lower Upper

56 100

69 43.6 27.8 41.8#

84 101.2 79.9 119.9



#32

1,1,1-Trichloroethane

Concen: 19.07 ug/l

RT: 7.52 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

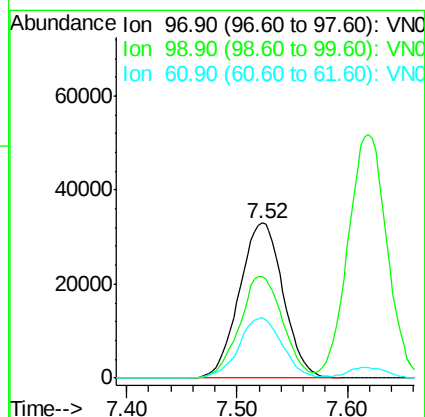
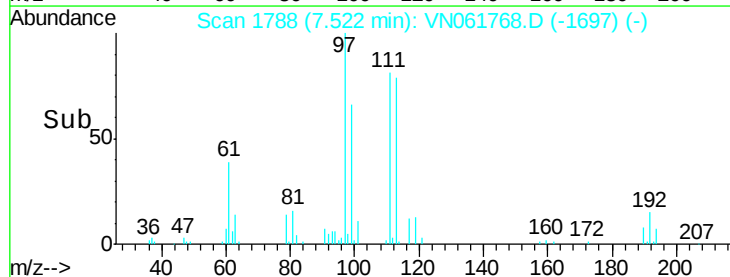
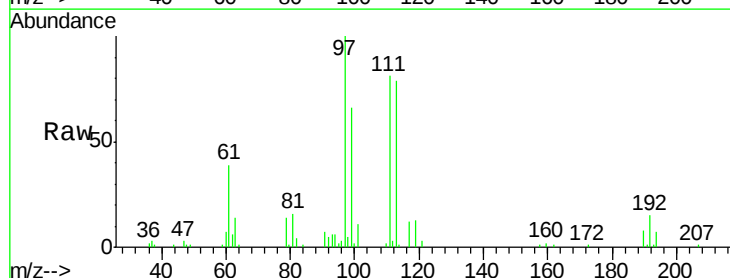
Tgt Ion: 97 Resp: 90934

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 38.2 31.4 47.0

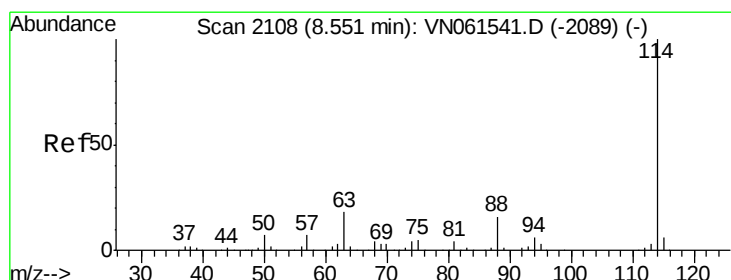
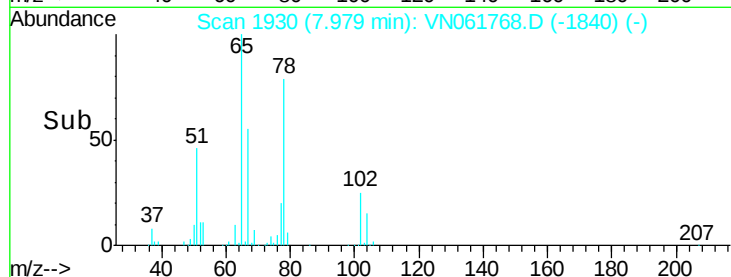
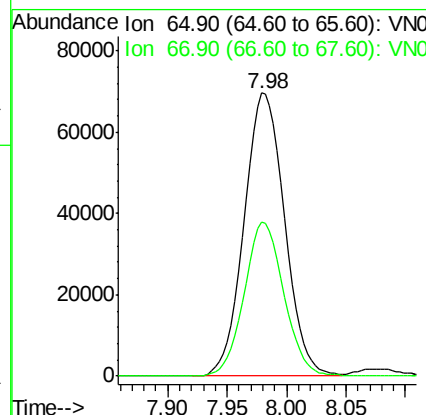
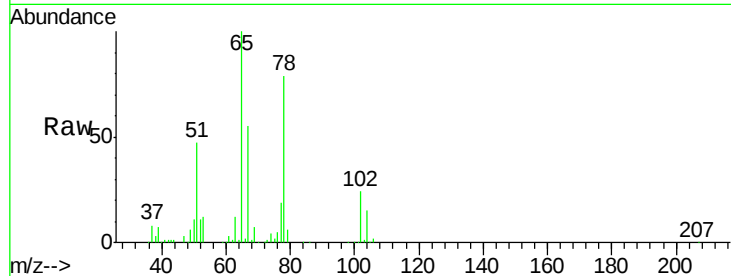




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.45 ug/l  
 RT: 7.98 min Scan# 1930  
 Delta R.T. -0.01 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

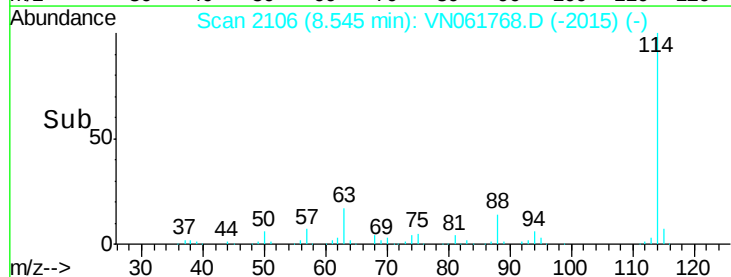
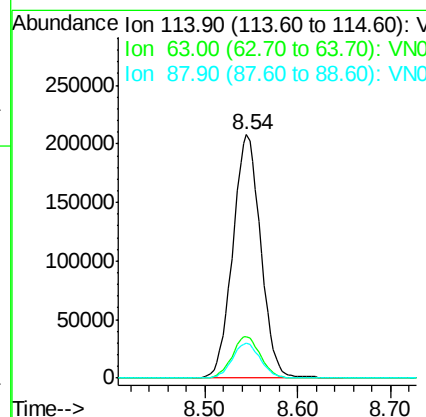
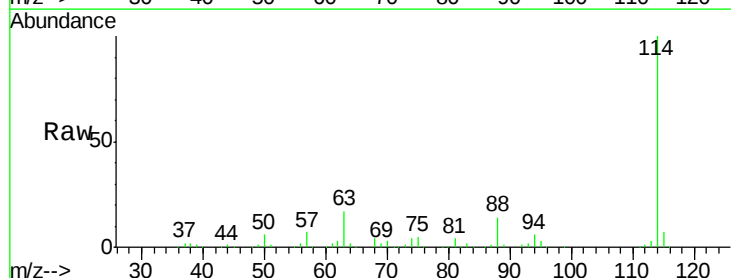
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

Tgt Ion: 65 Resp: 164411  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.54 min Scan# 2106  
 Delta R.T. -0.01 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 114 Resp: 433797  
 Ion Ratio Lower Upper  
 114 100  
 63 17.1 0.0 35.8  
 88 14.2 0.0 31.0

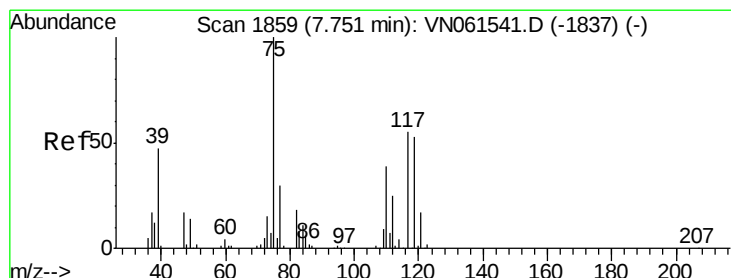
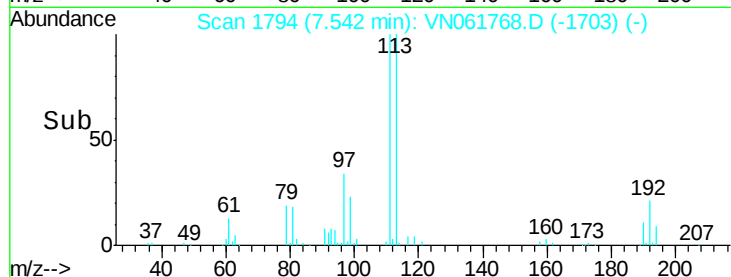
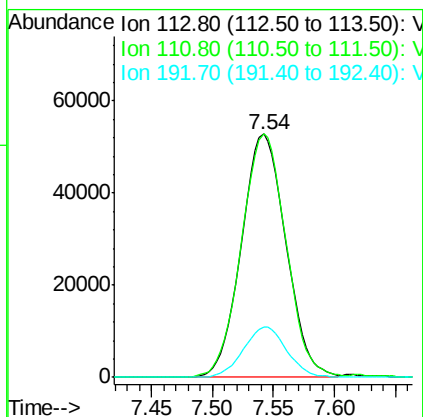
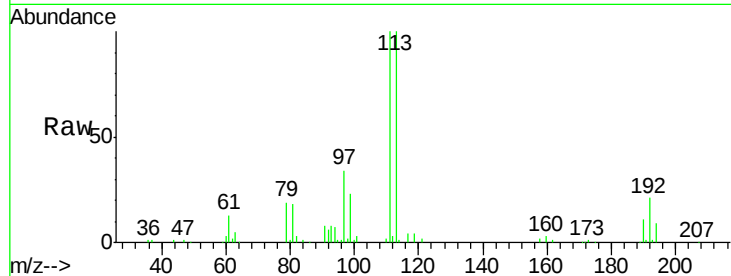




#35  
 Dibromofluoromethane  
 Concen: 60.66 ug/l  
 RT: 7.54 min Scan# 1794  
 Delta R.T. -0.01 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

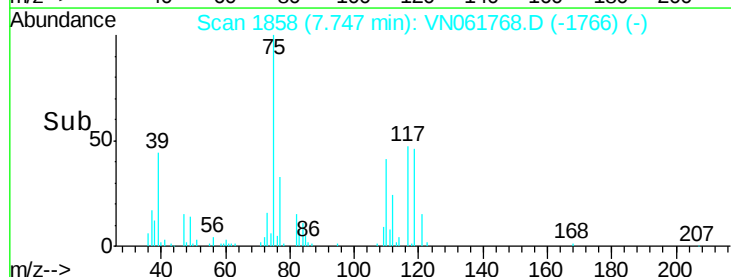
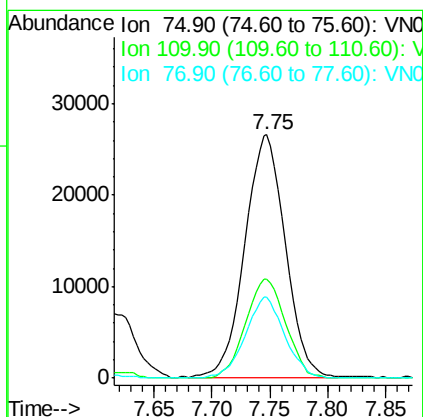
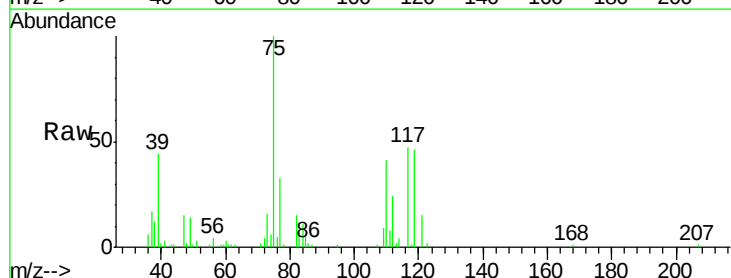
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

Tgt Ion: 113 Resp: 133486  
 Ion Ratio Lower Upper  
 113 100  
 111 100.4 83.4 125.0  
 192 20.1 15.4 23.2



#36  
 1,1-Dichloropropene  
 Concen: 16.89 ug/l  
 RT: 7.75 min Scan# 1858  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 75 Resp: 64876  
 Ion Ratio Lower Upper  
 75 100  
 110 39.9 19.5 58.5  
 77 32.3 24.7 37.1

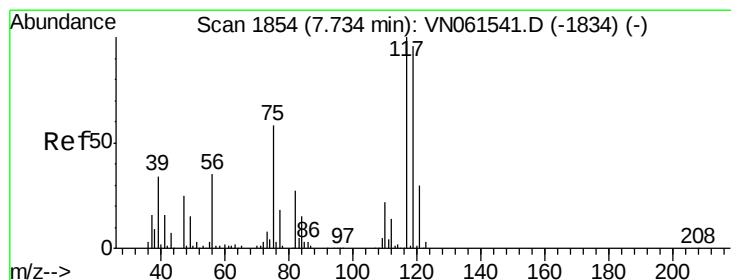
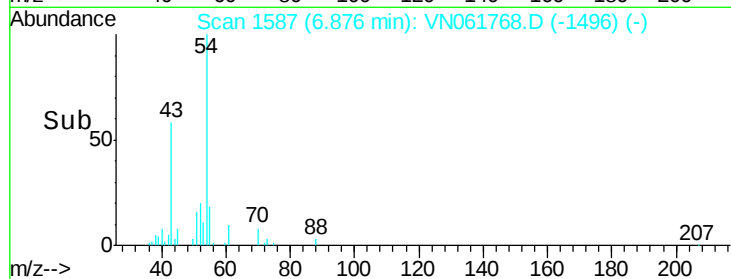
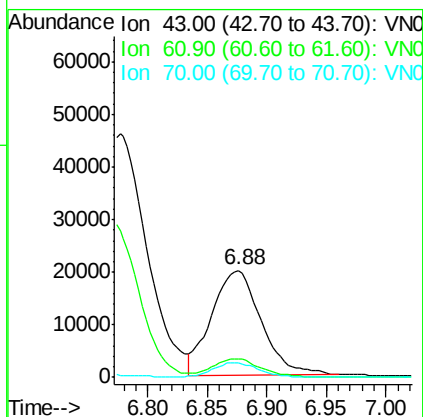
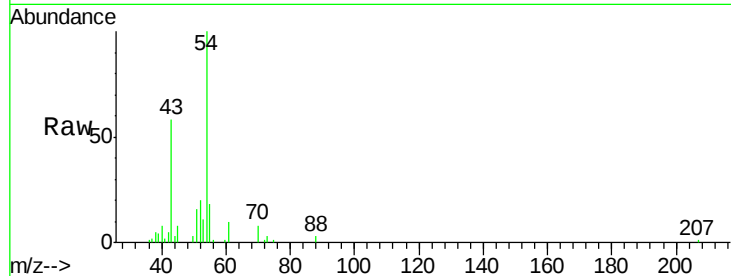




#37  
 Ethyl Acetate  
 Concen: 18.63 ug/l  
 RT: 6.88 min Scan# 1587  
 Delta R.T. -0.01 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

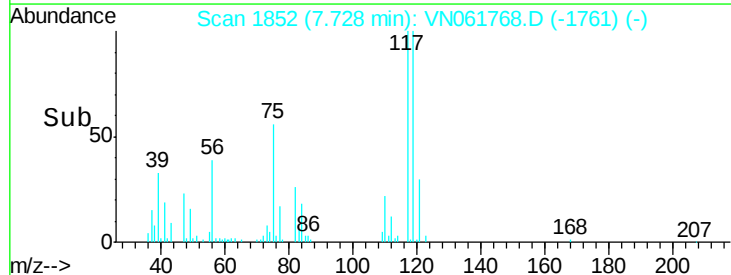
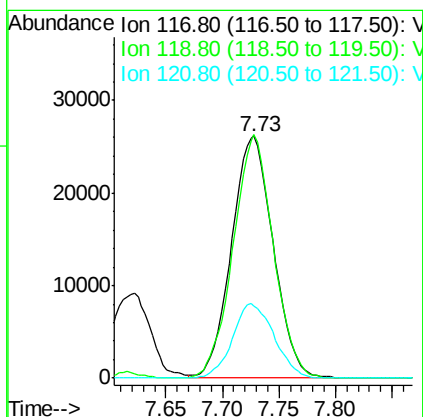
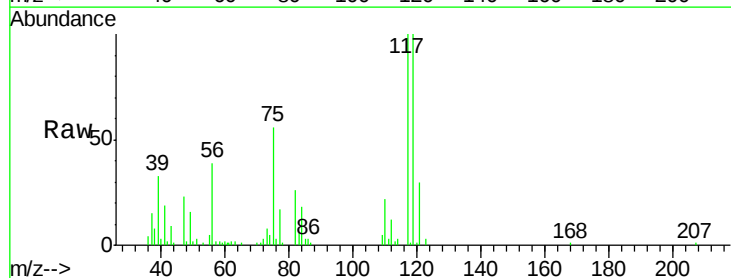
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

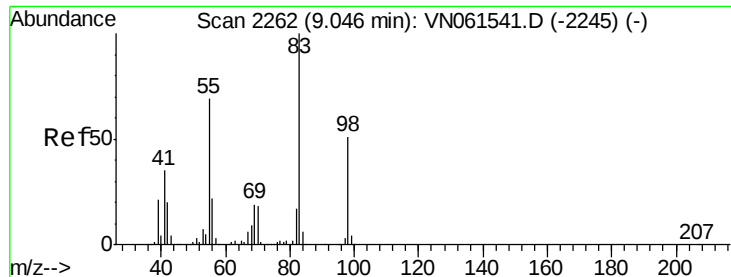
Tgt Ion: 43 Resp: 57637  
 Ion Ratio Lower Upper  
 43 100  
 61 17.1 12.2 18.4  
 70 13.0 9.4 14.2



#38  
 Carbon Tetrachloride  
 Concen: 18.10 ug/l  
 RT: 7.73 min Scan# 1852  
 Delta R.T. -0.01 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 117 Resp: 67063  
 Ion Ratio Lower Upper  
 117 100  
 119 100.5 76.5 114.7  
 121 29.8 24.1 36.1

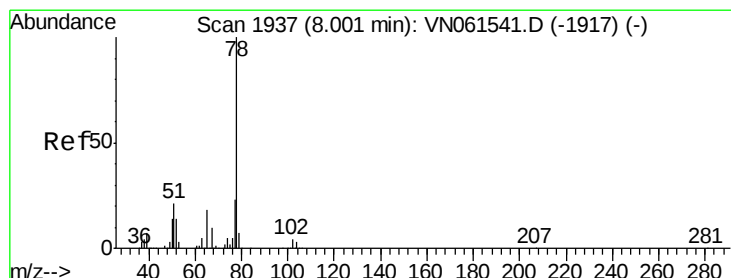
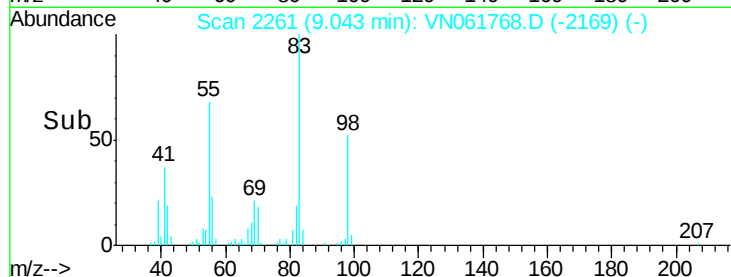
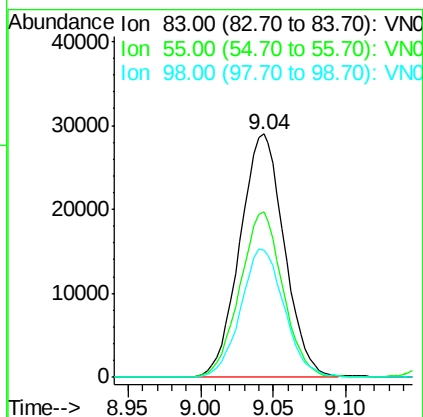
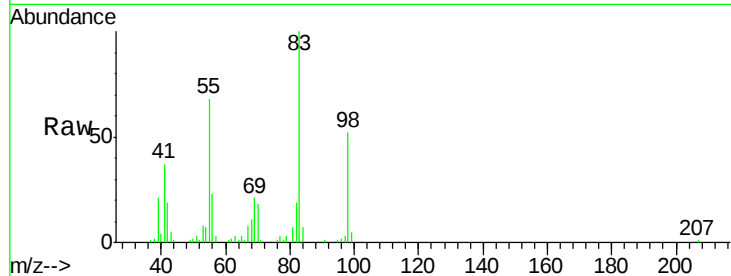




#39  
Methylcyclohexane  
Concen: 13.05 ug/l  
RT: 9.04 min Scan# 2261  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

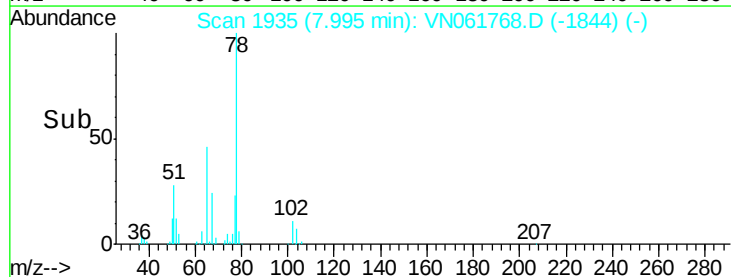
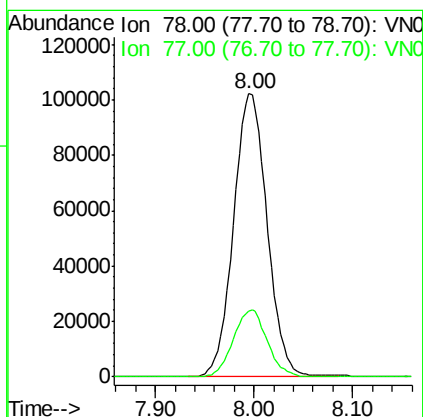
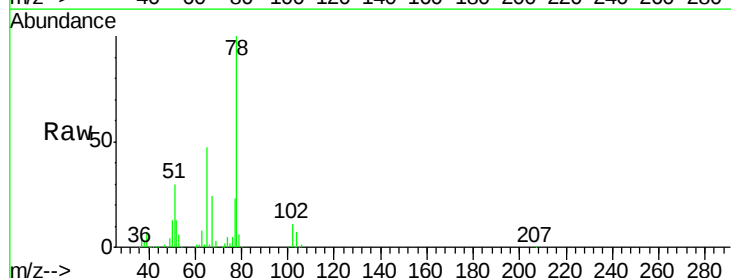
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

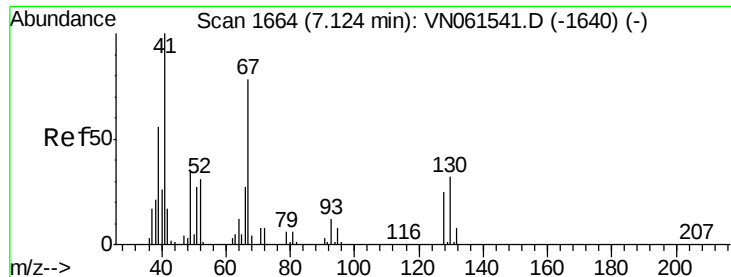
Tgt Ion: 83 Resp: 61758  
Ion Ratio Lower Upper  
83 100  
55 67.9 54.9 82.3  
98 52.3 41.0 61.4



#40  
Benzene  
Concen: 20.41 ug/l  
RT: 8.00 min Scan# 1935  
Delta R.T. -0.01 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion: 78 Resp: 241781  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.6 28.0

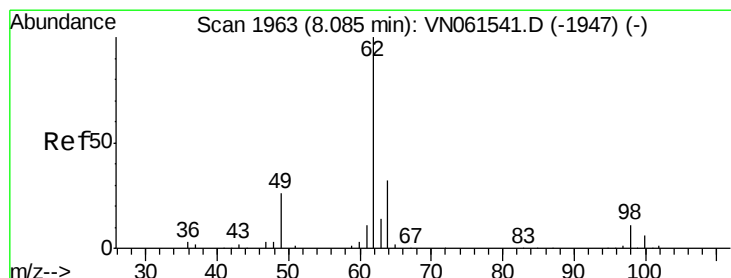
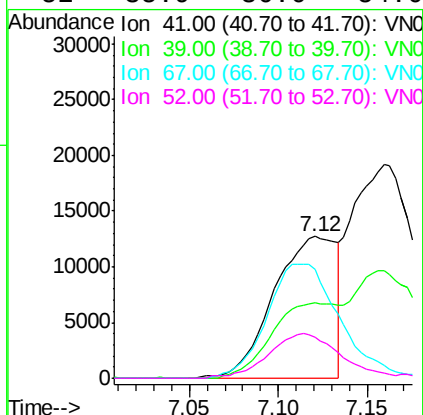
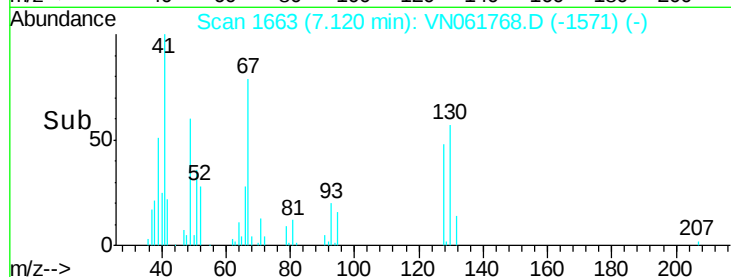
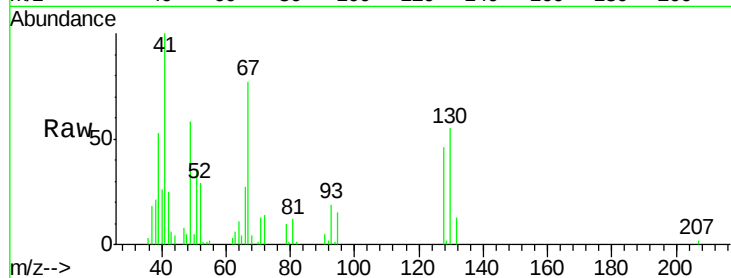




#41  
Methacrylonitrile  
Concen: 21.90 ug/l  
RT: 7.12 min Scan# 1663  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

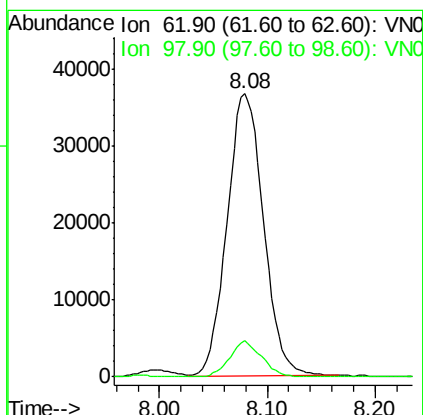
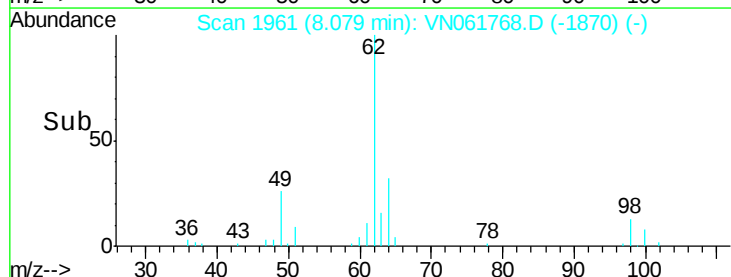
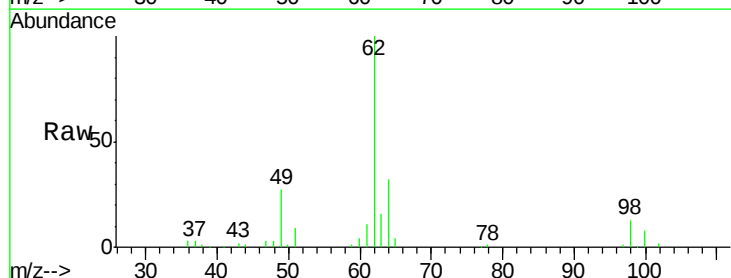
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

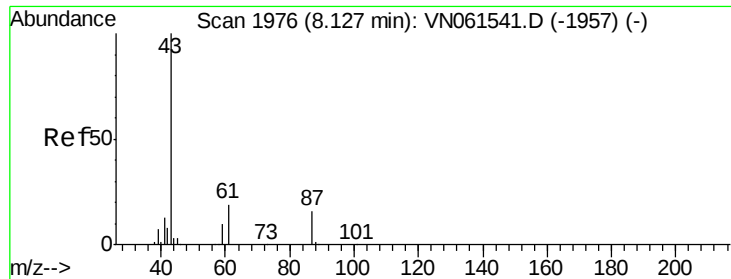
Tgt Ion: 41 Resp: 31031  
Ion Ratio Lower Upper  
41 100  
39 58.7 53.8 80.6  
67 94.3 91.1 136.7  
52 35.9 36.0 54.0#



#42  
1,2-Dichloroethane  
Concen: 21.83 ug/l  
RT: 8.08 min Scan# 1961  
Delta R.T. -0.01 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion: 62 Resp: 86615  
Ion Ratio Lower Upper  
62 100  
98 11.1 0.0 21.4

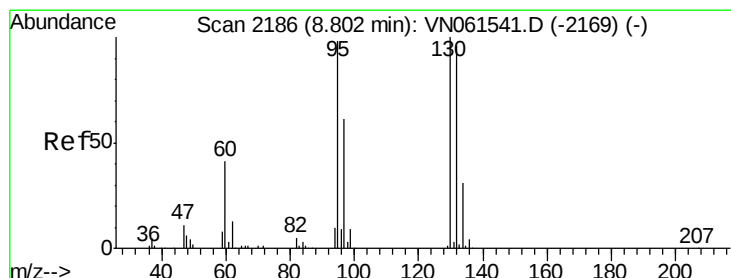
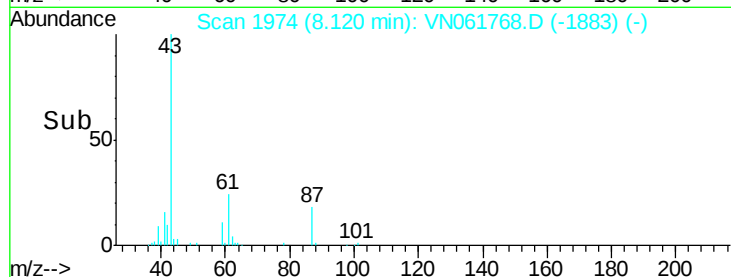
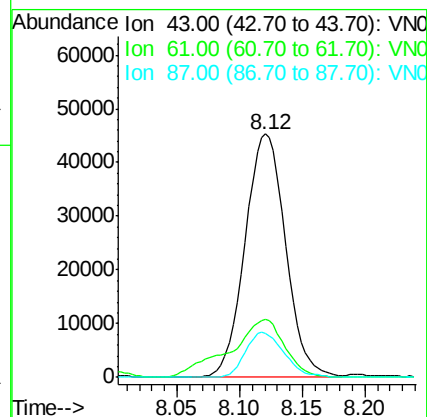
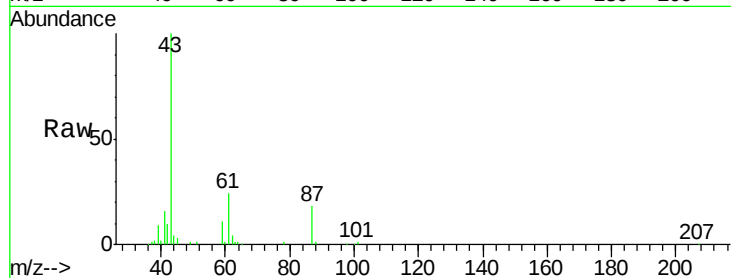




#43  
Isopropyl Acetate  
Concen: 18.32 ug/l  
RT: 8.12 min Scan# 1974  
Delta R.T. -0.01 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

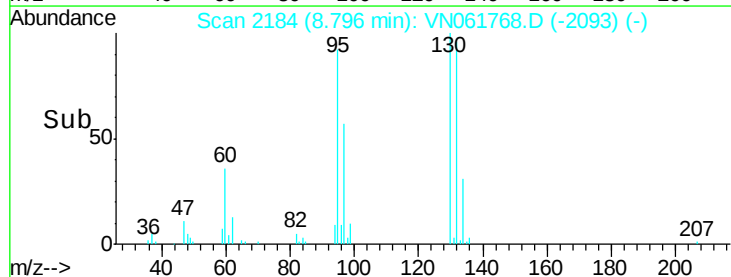
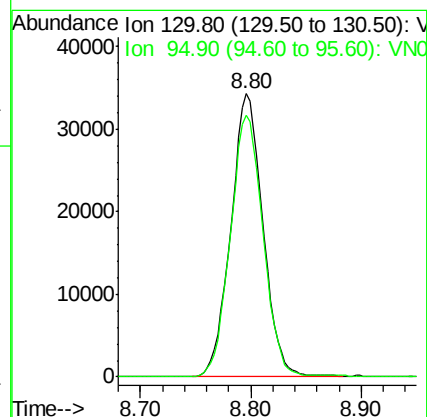
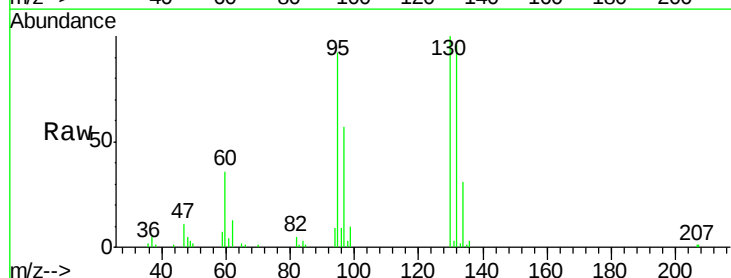
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

Tgt Ion: 43 Resp: 101951  
Ion Ratio Lower Upper  
43 100  
61 32.4 23.6 35.4  
87 17.5 13.0 19.6



#44  
Trichloroethene  
Concen: 19.00 ug/l  
RT: 8.80 min Scan# 2184  
Delta R.T. -0.01 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion: 130 Resp: 69205  
Ion Ratio Lower Upper  
130 100  
95 92.4 0.0 196.6





#45

1,2-Dichloropropane

Concen: 21.56 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

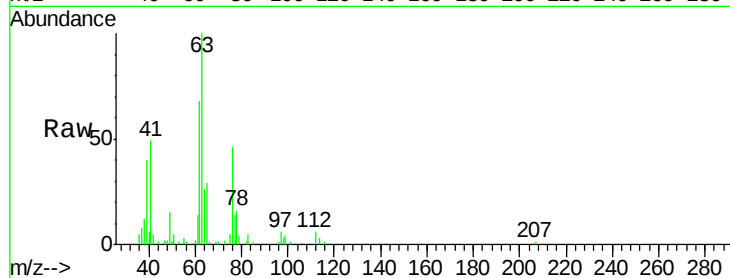
VN0611WBSD02

Tgt Ion: 63 Resp: 60648

Ion Ratio Lower Upper

63 100

65 28.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-2250) (-)

Ion 64.90 (64.60 to 65.60): VN061541.D (-2250) (-)

9.08

30000

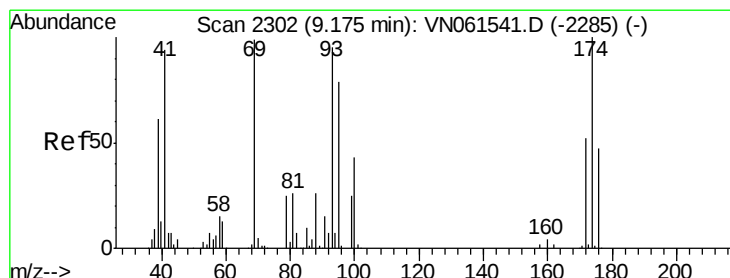
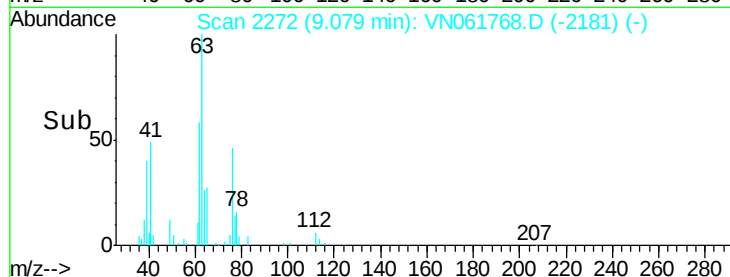
20000

10000

0

9.00 9.05 9.10 9.15

Time-->



#46

Dibromomethane

Concen: 21.77 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

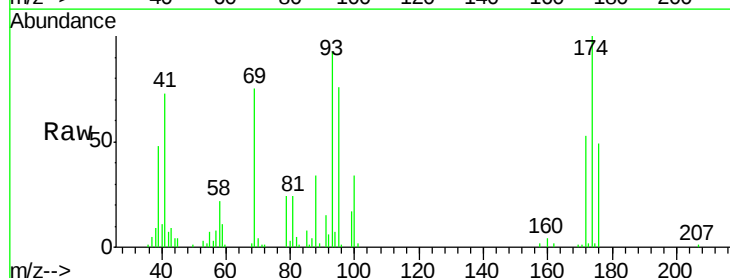
Tgt Ion: 93 Resp: 46984

Ion Ratio Lower Upper

93 100

95 85.8 66.0 99.0

174 110.2 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN061541.D (-2285) (-)

Ion 94.80 (94.50 to 95.50): VN061541.D (-2285) (-)

Ion 173.70 (173.40 to 174.40): VN061541.D (-2285) (-)

9.17

30000

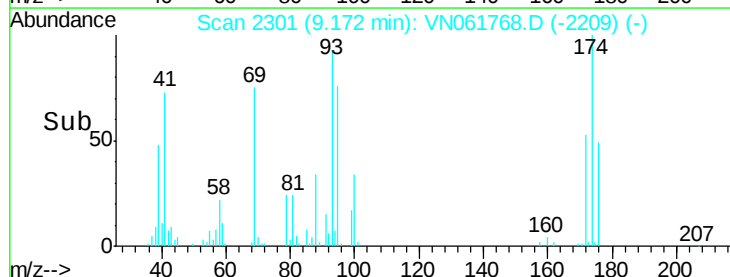
20000

10000

0

9.10 9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 22.47 ug/l

RT: 9.36 min Scan# 2361

Delta R.T. -0.01 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBSD02

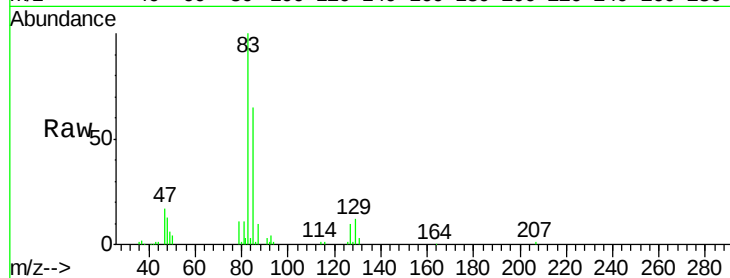
Tgt Ion: 83 Resp: 96051

Ion Ratio Lower Upper

83 100

85 64.7 51.1 76.7

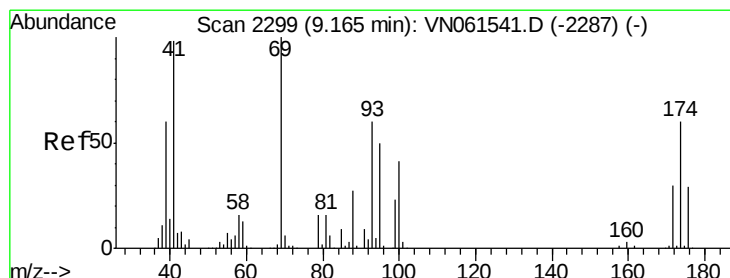
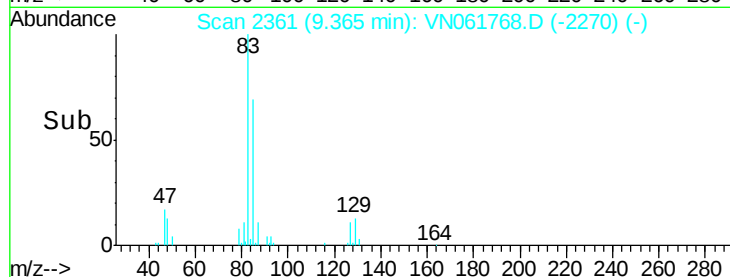
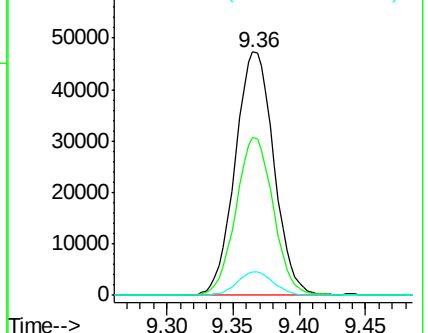
127 9.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061768.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061768.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061768.D (-2270) (-)



#48

Methyl methacrylate

Concen: 18.02 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

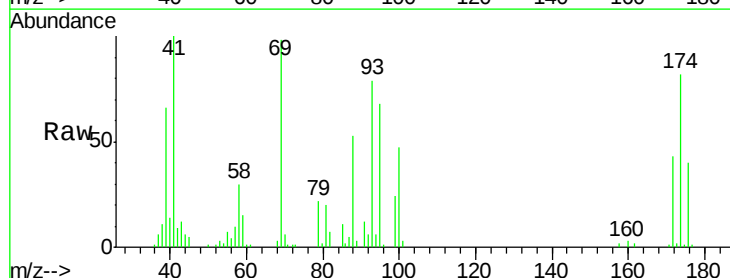
Tgt Ion: 41 Resp: 45118

Ion Ratio Lower Upper

41 100

69 103.4 83.9 125.9

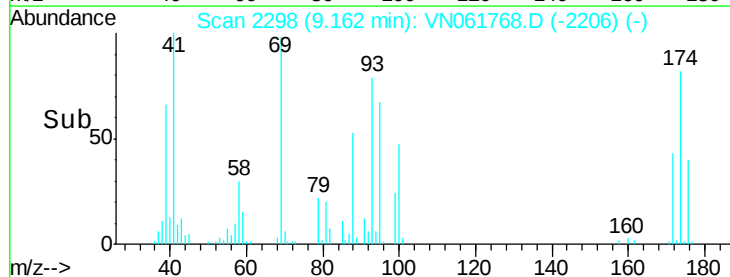
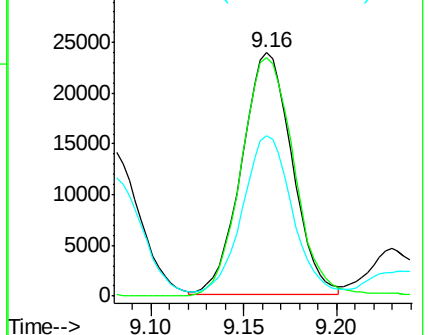
39 66.6 52.1 78.1

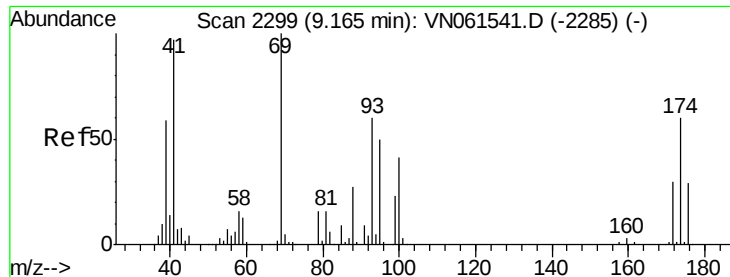


Abundance Ion 41.00 (40.70 to 41.70): VN061768.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061768.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061768.D (-2206) (-)





#49

1,4-Dioxane

Concen: 649.85 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampled :

VN0611WBSD02

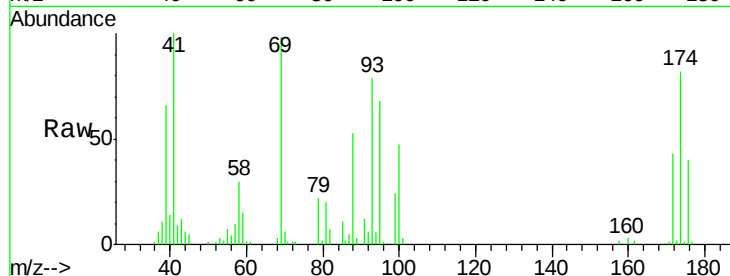
Tgt Ion: 88 Resp: 25205

Ion Ratio Lower Upper

88 100

43 23.7 23.1 34.7

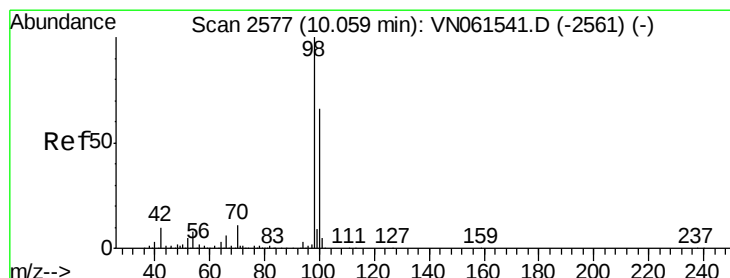
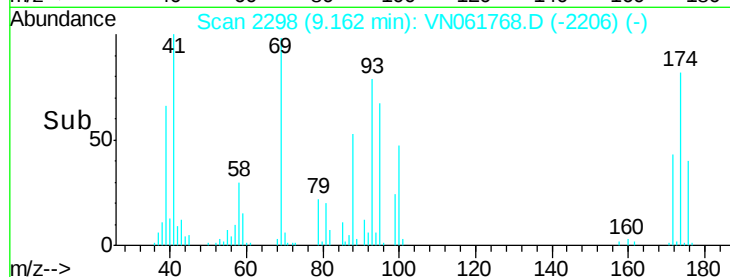
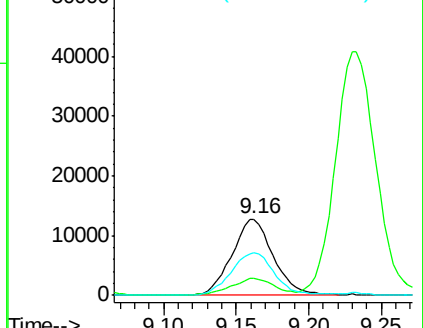
58 58.1 48.3 72.5



Abundance Ion 88.00 (87.70 to 88.70): VN061541.D (-2285) (-)

Ion 43.00 (42.70 to 43.70): VN061541.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2285) (-)



#50

Toluene-d8

Concen: 48.93 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VN061768.D

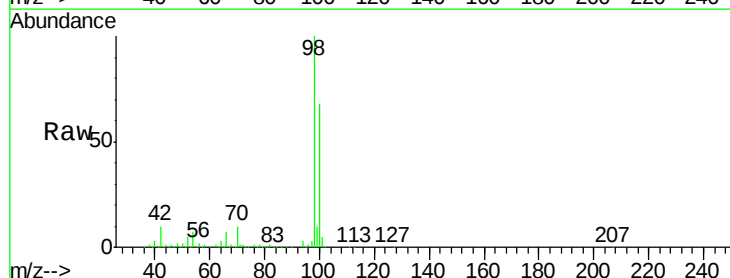
Acq: 12 Jun 2020 4:54

Tgt Ion: 98 Resp: 499015

Ion Ratio Lower Upper

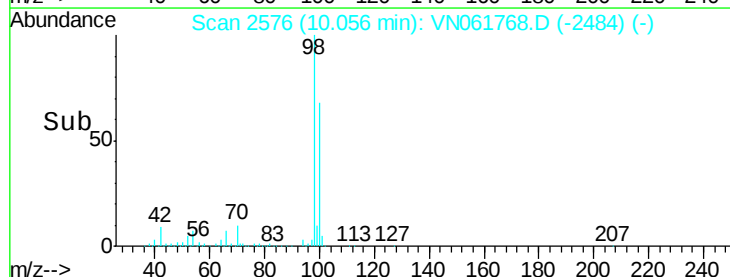
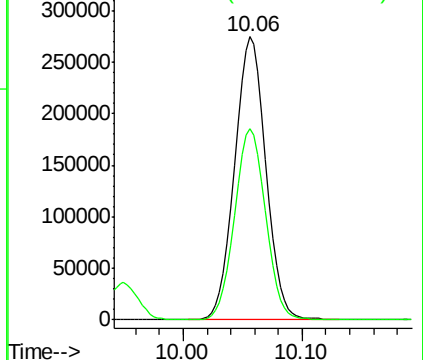
98 100

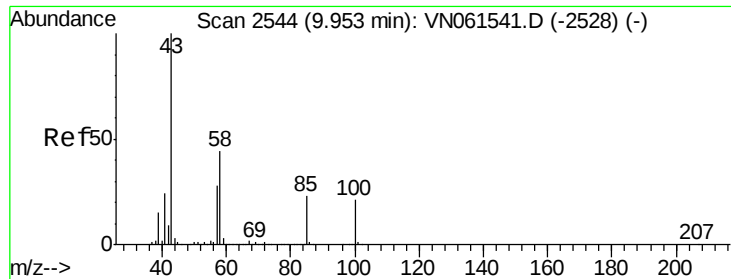
100 67.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)

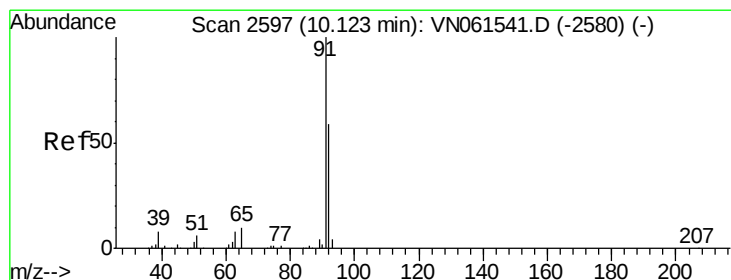
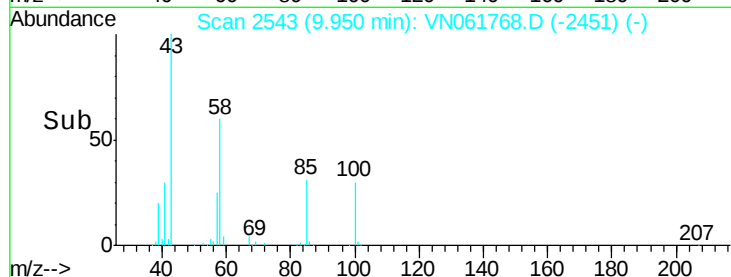
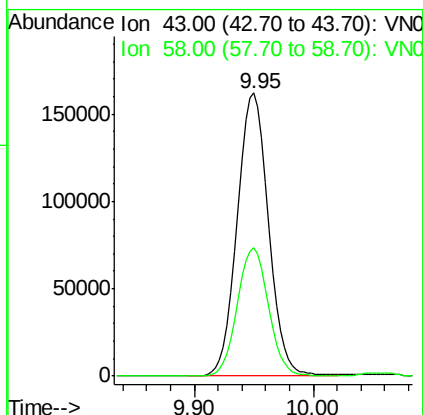
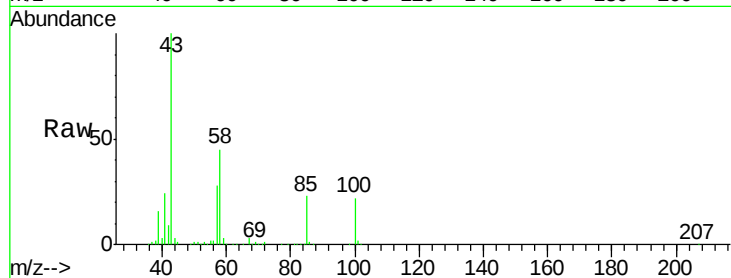




#51  
 4-Methyl-2-Pentanone  
 Concen: 94.46 ug/l  
 RT: 9.95 min Scan# 2543  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

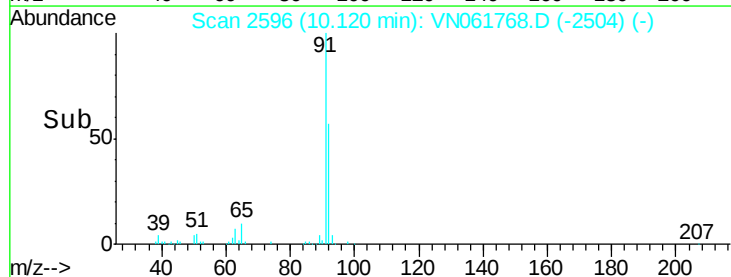
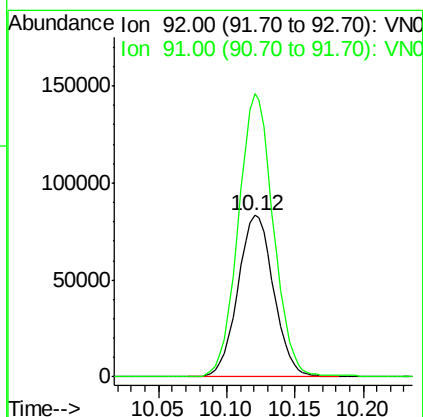
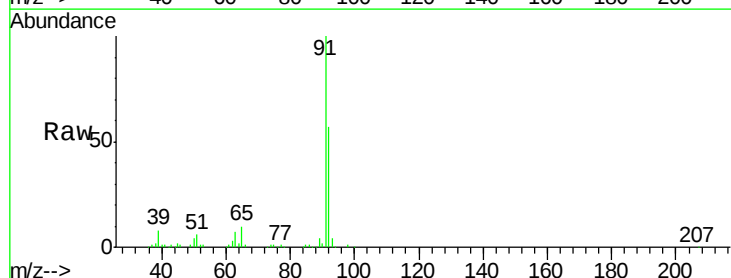
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

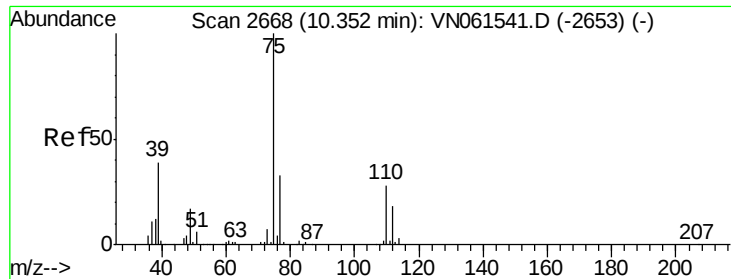
Tgt Ion: 43 Resp: 296219  
 Ion Ratio Lower Upper  
 43 100  
 58 45.1 35.0 52.6



#52  
 Toluene  
 Concen: 19.66 ug/l  
 RT: 10.12 min Scan# 2596  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 92 Resp: 152033  
 Ion Ratio Lower Upper  
 92 100  
 91 171.9 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 19.57 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

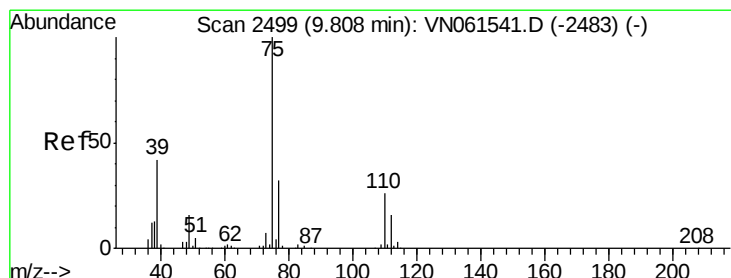
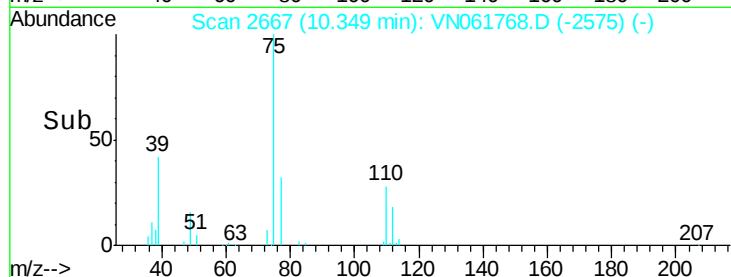
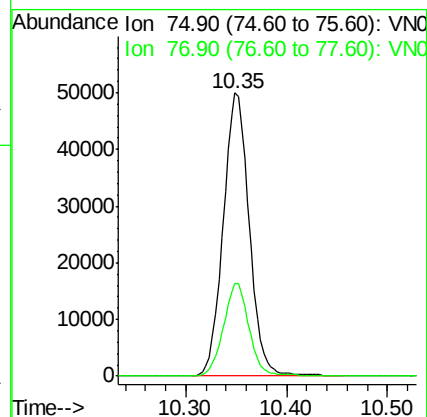
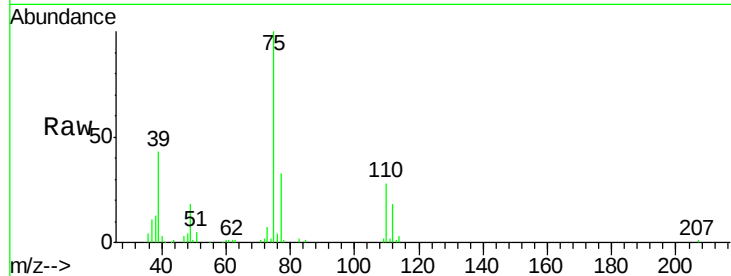
VN0611WBSD02

Tgt Ion: 75 Resp: 90137

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 19.99 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

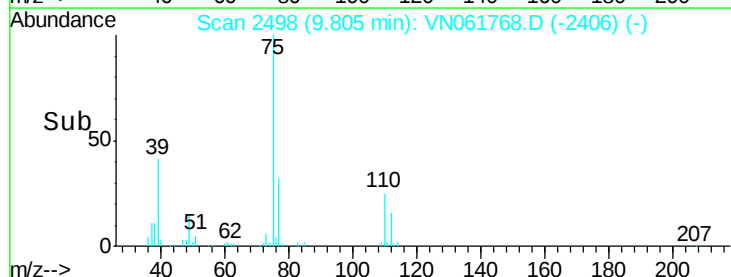
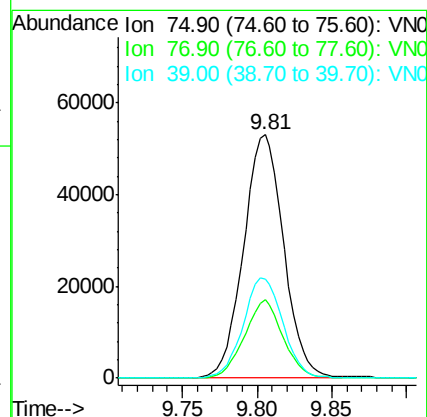
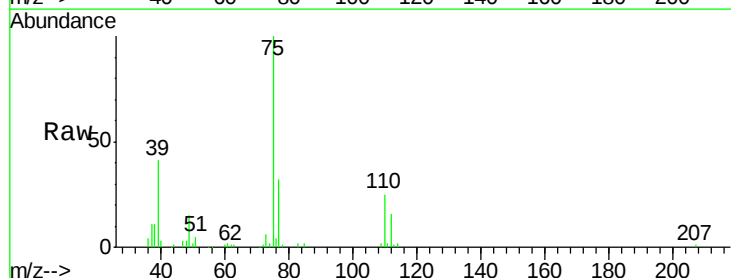
Tgt Ion: 75 Resp: 99005

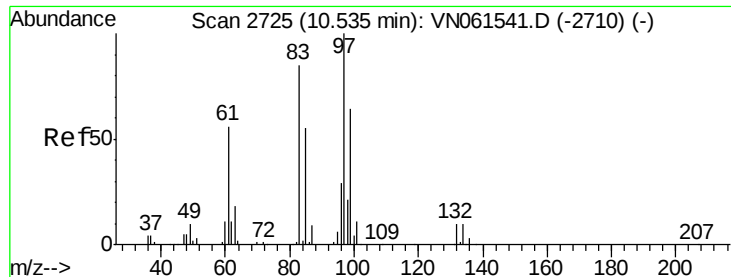
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2

39 40.9 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 22.55 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBSD02

Tgt Ion: 97 Resp: 69488

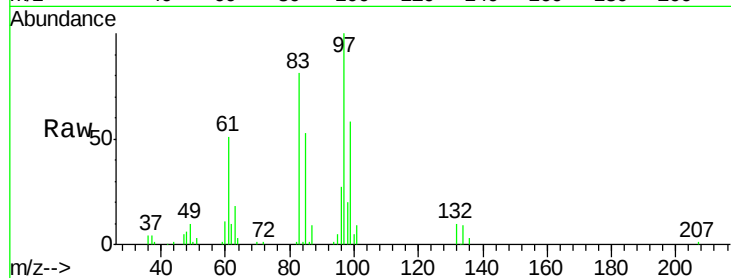
Ion Ratio Lower Upper

97 100

83 80.9 68.1 102.1

85 52.5 44.1 66.1

99 57.5 51.1 76.7

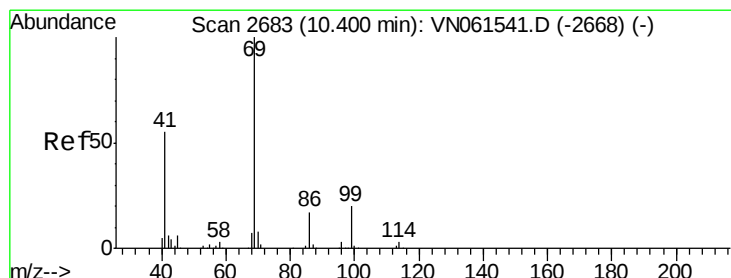
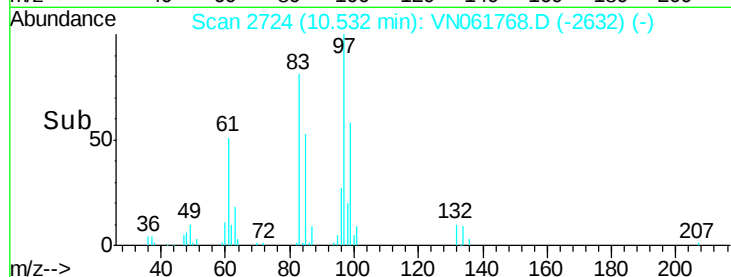
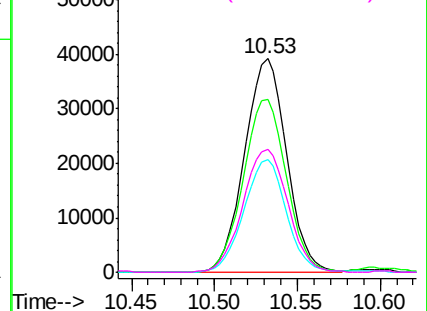


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.57 ug/l

RT: 10.40 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

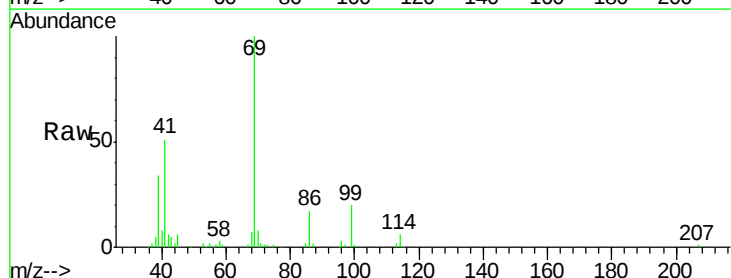
Tgt Ion: 69 Resp: 84209

Ion Ratio Lower Upper

69 100

41 52.9 43.5 65.3

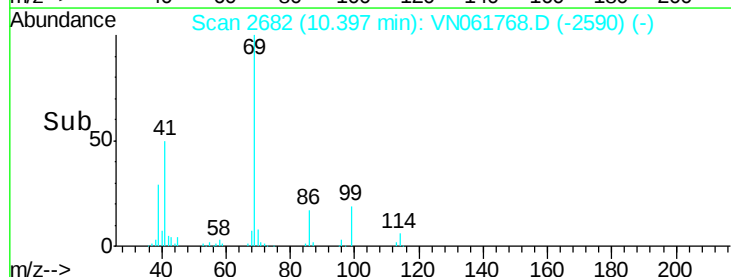
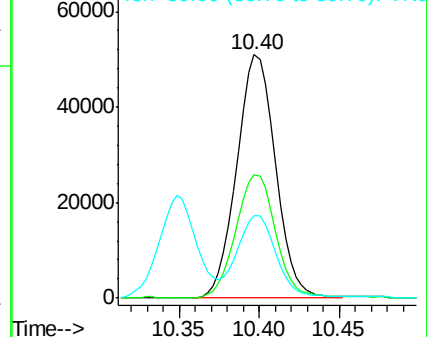
39 33.3 27.0 40.6

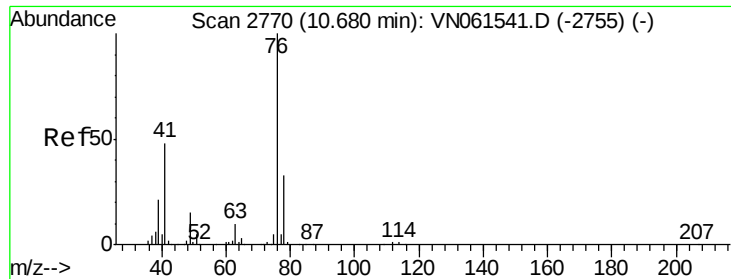


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

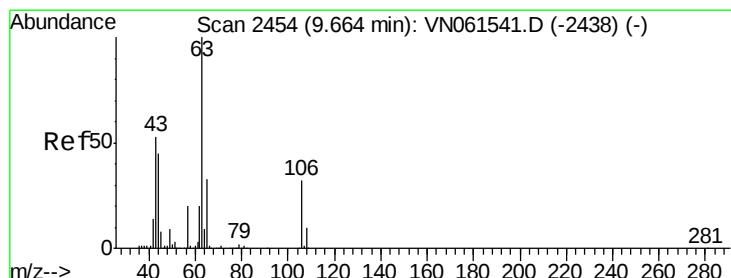
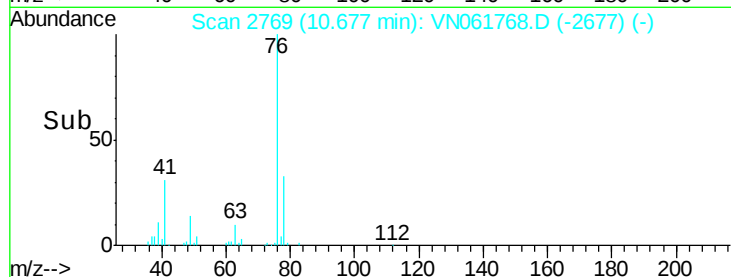
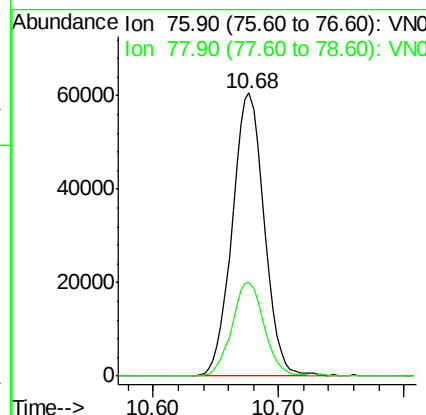
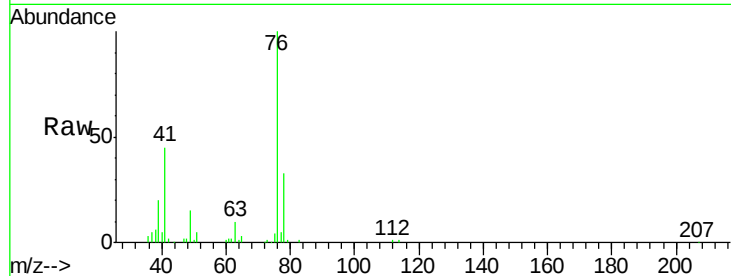




#57  
 1,3-Dichloropropane  
 Concen: 21.78 ug/l  
 RT: 10.68 min Scan# 2769  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

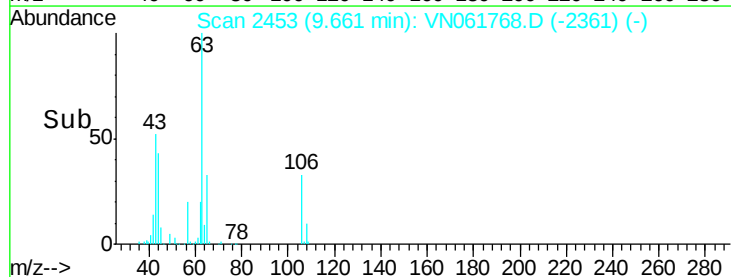
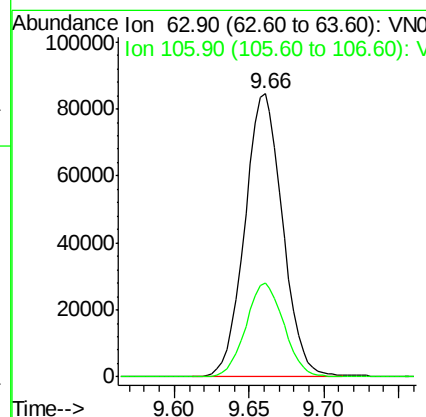
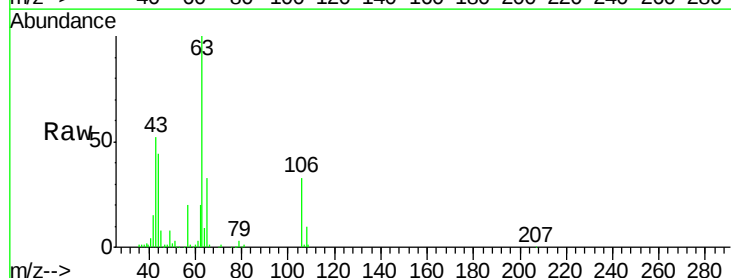
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

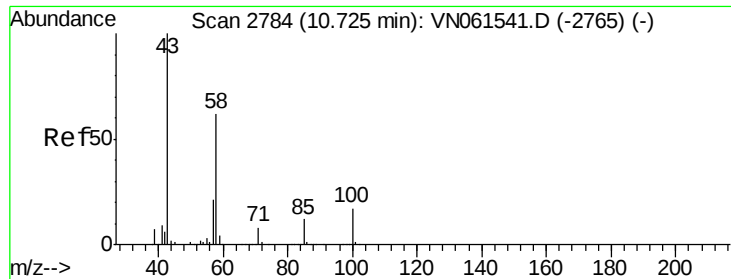
Tgt Ion: 76 Resp: 107310  
 Ion Ratio Lower Upper  
 76 100  
 78 33.4 26.3 39.5



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 80.81 ug/l  
 RT: 9.66 min Scan# 2453  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 63 Resp: 148643  
 Ion Ratio Lower Upper  
 63 100  
 106 33.4 25.9 38.9

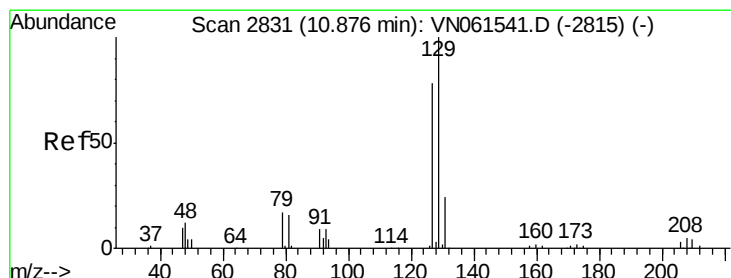
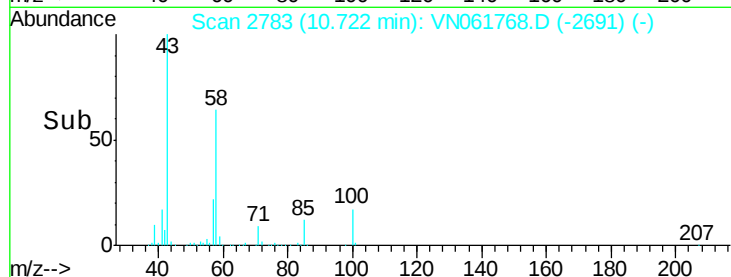
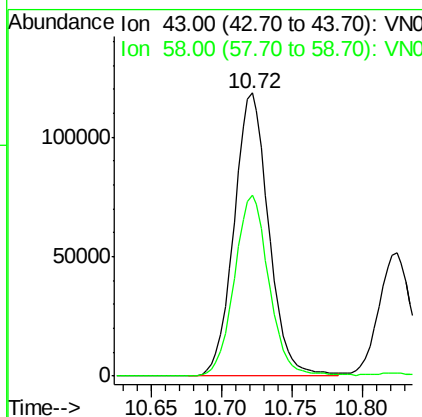
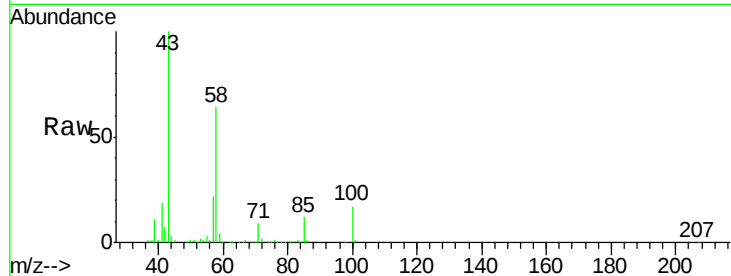




#59  
2-Hexanone  
Concen: 90.79 ug/l  
RT: 10.72 min Scan# 2783  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

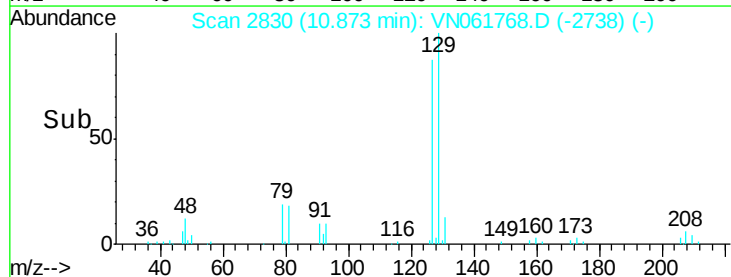
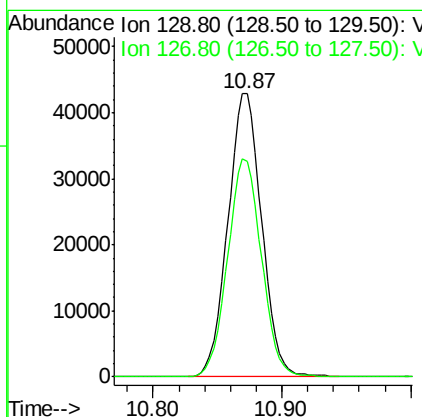
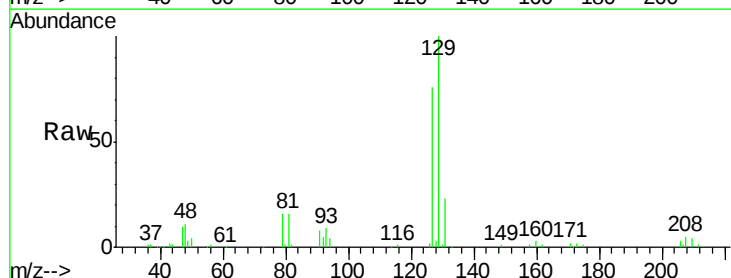
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0611WBSD02

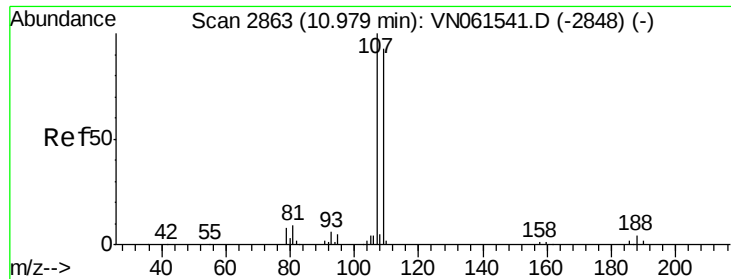
Tgt Ion: 43 Resp: 204462  
Ion Ratio Lower Upper  
43 100  
58 63.9 30.7 92.1



#60  
Dibromochloromethane  
Concen: 22.23 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion: 129 Resp: 77868  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.8 116.3

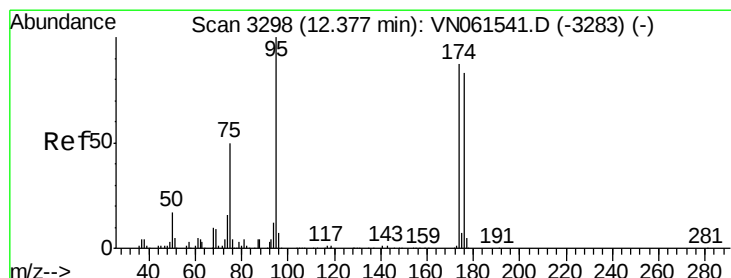
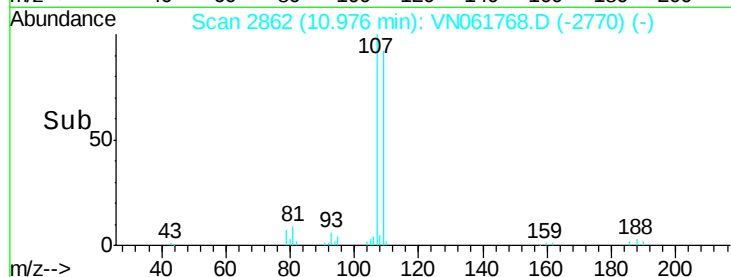
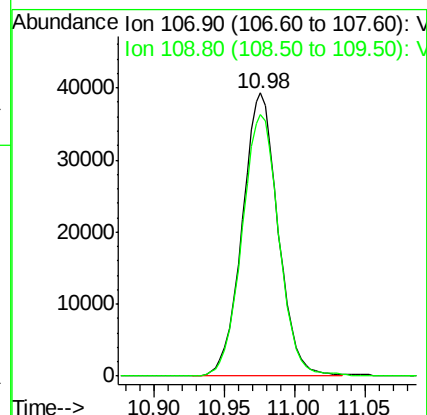
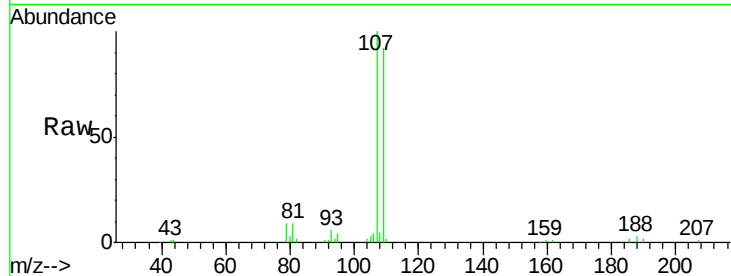




#61  
 1,2-Dibromoethane  
 Concen: 21.70 ug/l  
 RT: 10.98 min Scan# 2862  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

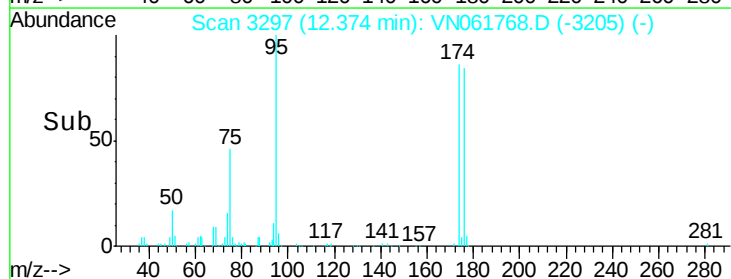
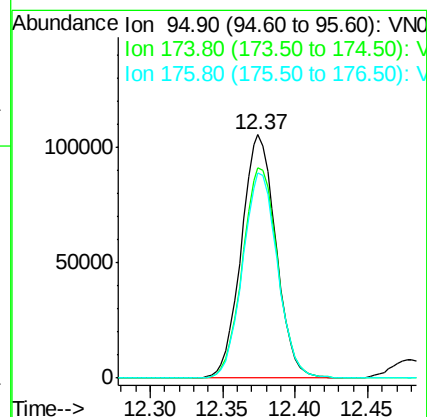
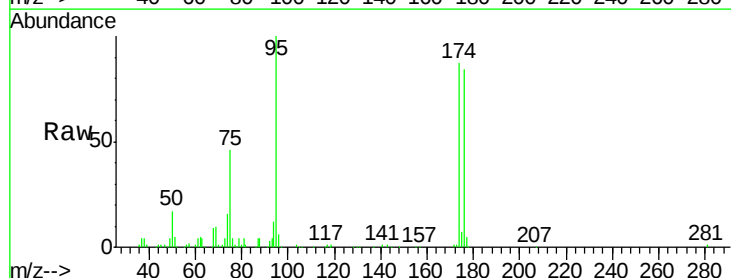
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

Tgt Ion: 107 Resp: 69735  
 Ion Ratio Lower Upper  
 107 100  
 109 95.3 76.1 114.1



#62  
 4-Bromofluorobenzene  
 Concen: 46.93 ug/l  
 RT: 12.37 min Scan# 3297  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 95 Resp: 174596  
 Ion Ratio Lower Upper  
 95 100  
 174 88.5 0.0 172.8  
 176 85.5 0.0 164.8

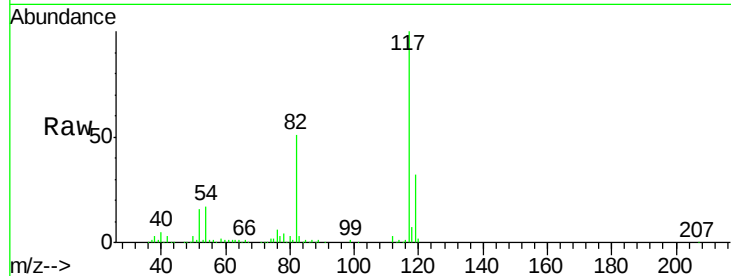




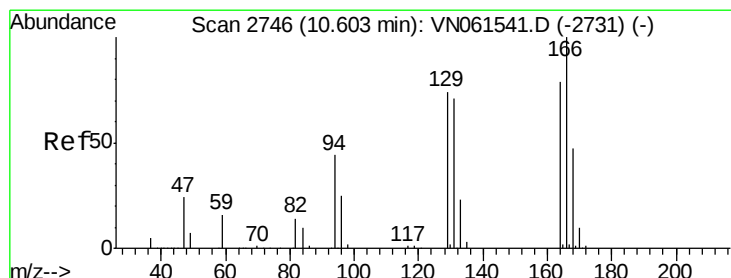
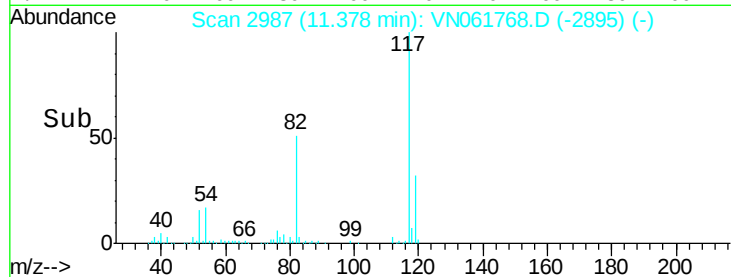
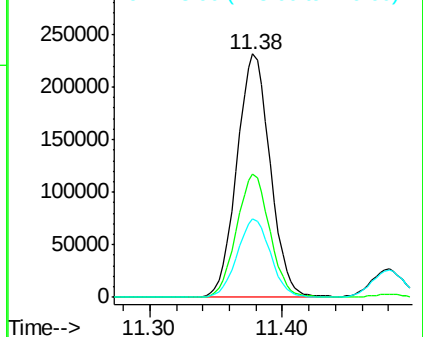
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.38 min Scan# 2987  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

Tgt Ion:117 Resp: 405085  
Ion Ratio Lower Upper  
117 100  
82 50.6 41.5 62.3  
119 32.0 25.6 38.4

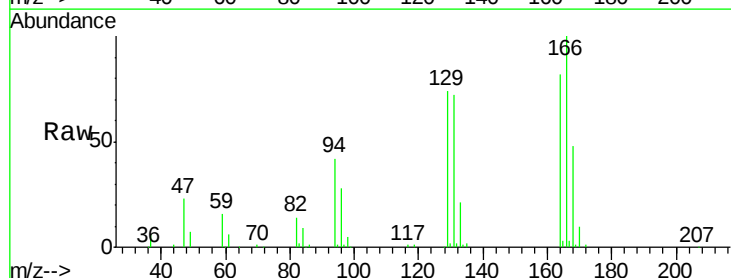


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

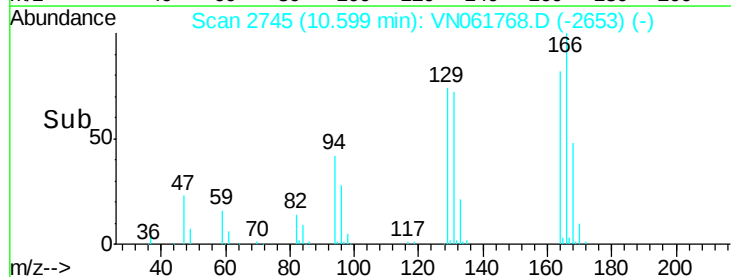
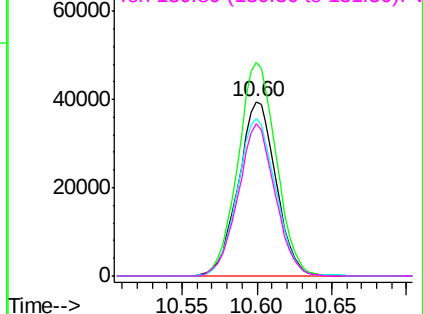


#64  
Tetrachloroethene  
Concen: 18.08 ug/l  
RT: 10.60 min Scan# 2745  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion:164 Resp: 68927  
Ion Ratio Lower Upper  
164 100  
166 122.6 101.5 152.3  
129 90.2 74.9 112.3  
131 87.7 72.2 108.2



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

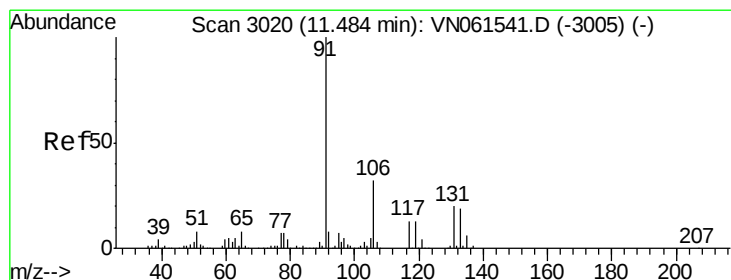
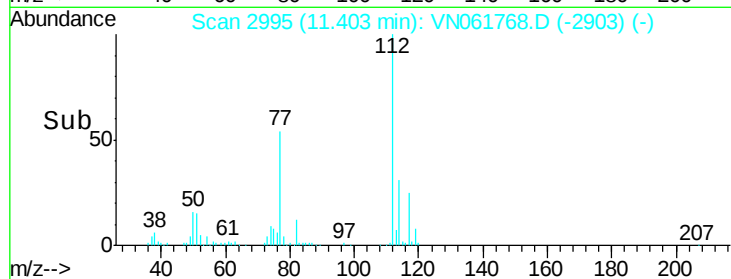
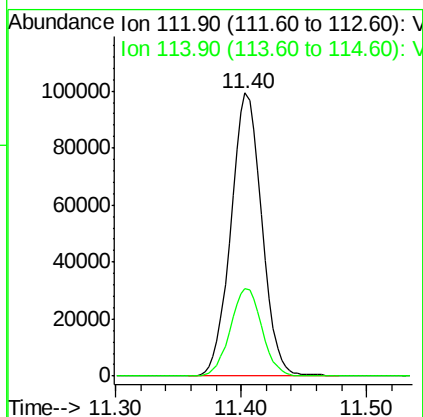
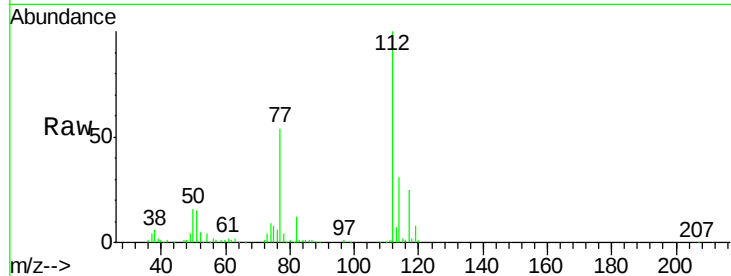




#65  
Chlorobenzene  
Concen: 20.22 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

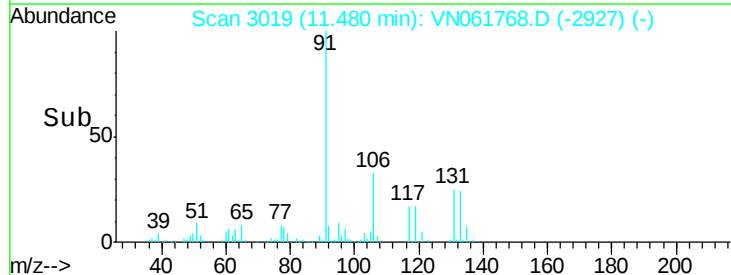
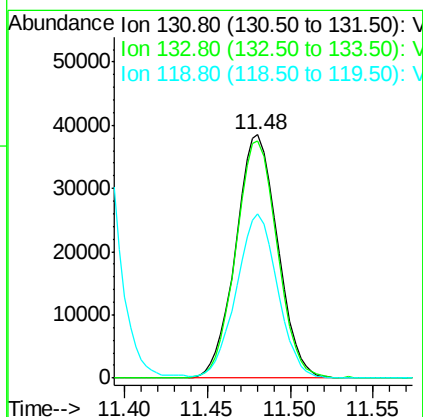
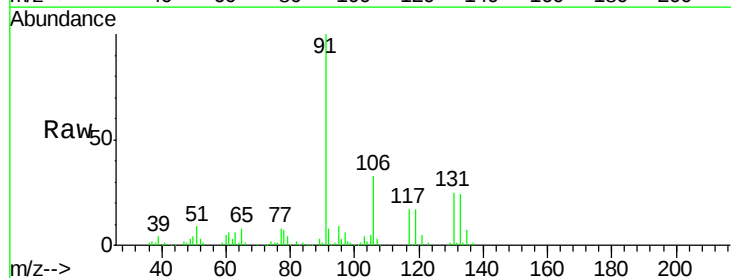
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0611WBSD02

Tgt Ion:112 Resp: 170286  
Ion Ratio Lower Upper  
112 100  
114 31.0 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.67 ug/l  
RT: 11.48 min Scan# 3019  
Delta R.T. -0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion:131 Resp: 67929  
Ion Ratio Lower Upper  
131 100  
133 96.0 47.4 142.2  
119 66.3 32.6 97.8

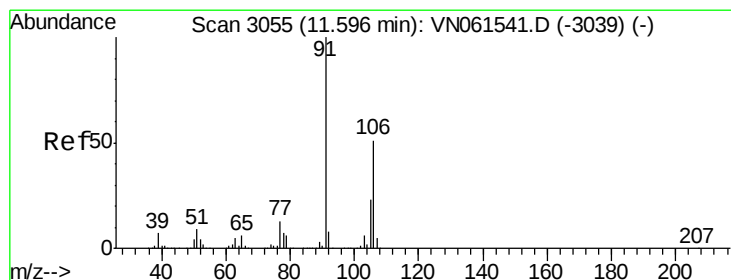
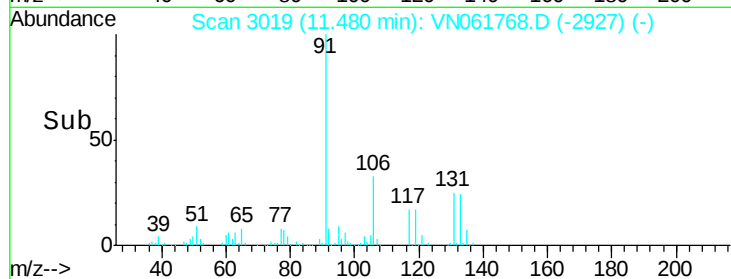
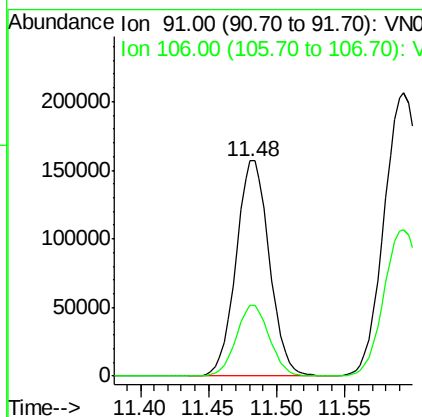
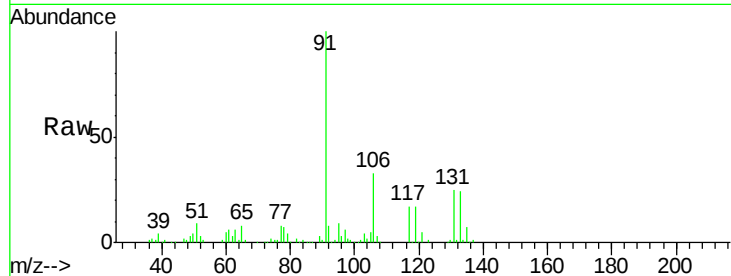




#67  
 Ethyl Benzene  
 Concen: 18.28 ug/l  
 RT: 11.48 min Scan# 3019  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

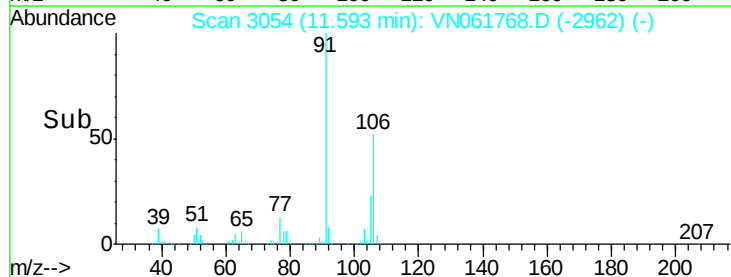
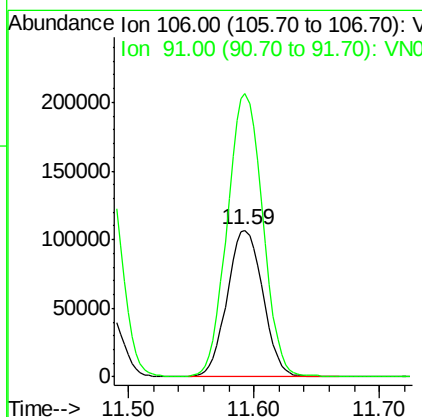
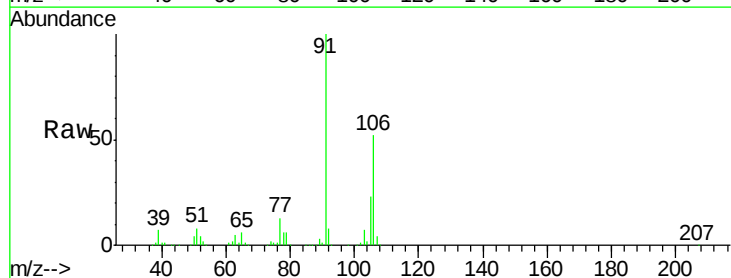
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0611WBSD02

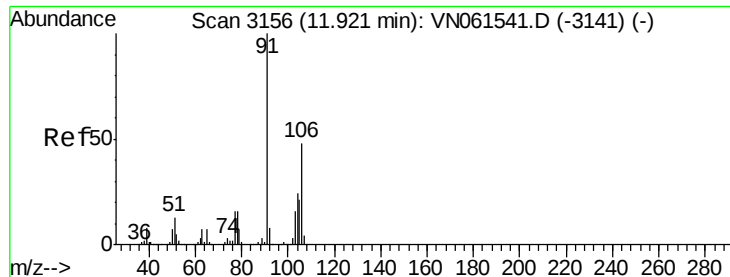
Tgt Ion: 91 Resp: 265988  
 Ion Ratio Lower Upper  
 91 100  
 106 32.7 25.6 38.4



#68  
 m/p-Xylenes  
 Concen: 36.63 ug/l  
 RT: 11.59 min Scan# 3054  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion: 106 Resp: 211366  
 Ion Ratio Lower Upper  
 106 100  
 91 191.8 156.2 234.4





#69

o-Xylene

Concen: 18.47 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

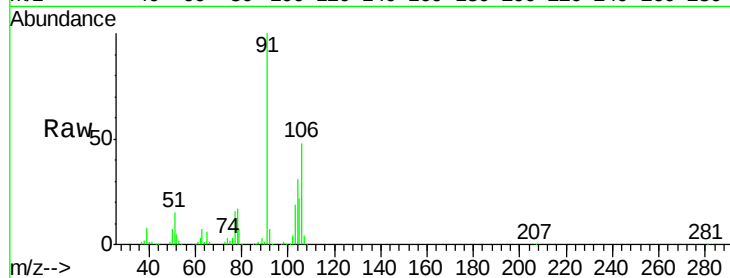
VN0611WBSD02

Tgt Ion:106 Resp: 101253

Ion Ratio Lower Upper

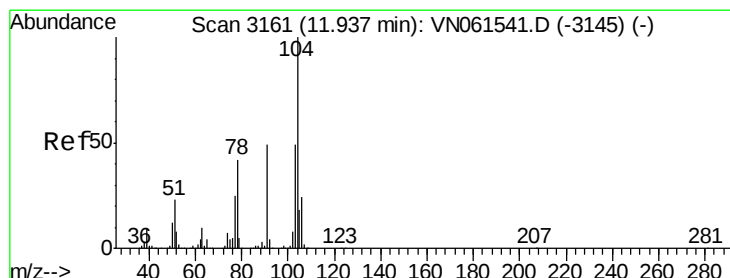
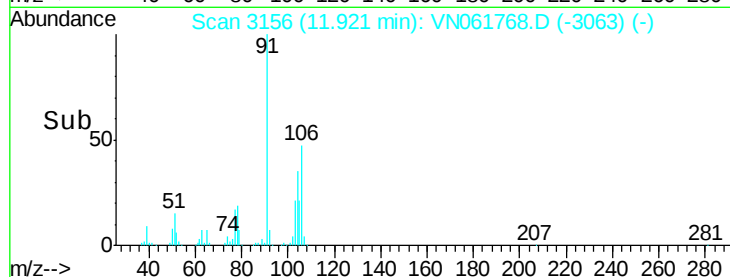
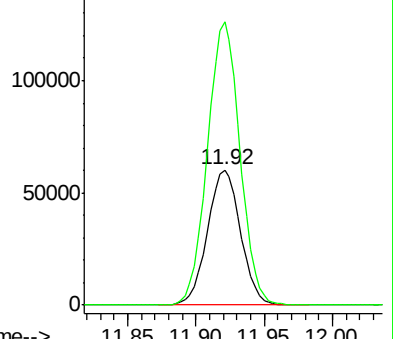
106 100

91 206.3 103.3 309.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.31 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

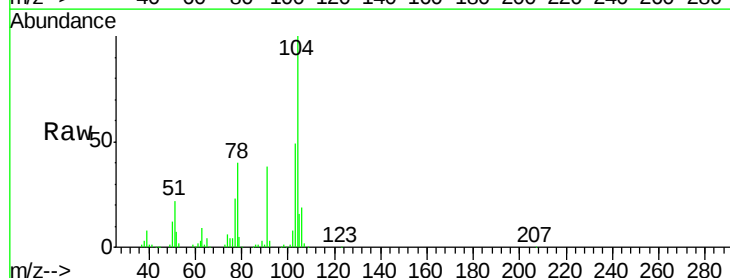
Tgt Ion:104 Resp: 175282

Ion Ratio Lower Upper

104 100

78 44.7 37.4 56.0

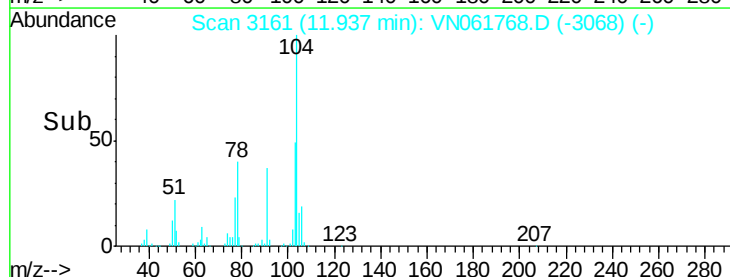
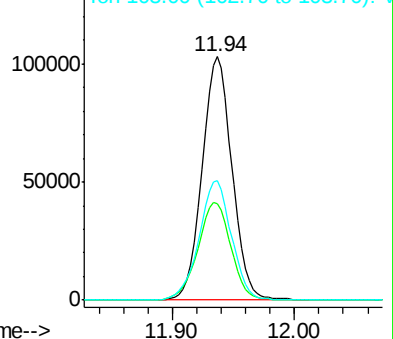
103 53.4 42.3 63.5

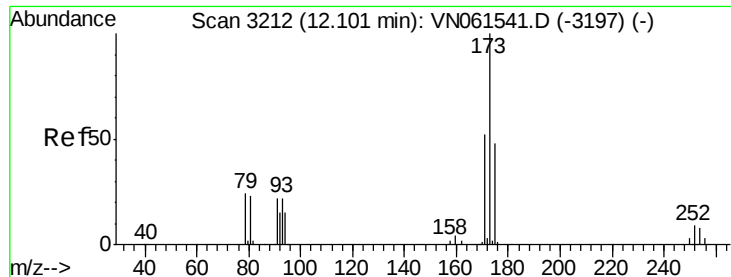


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

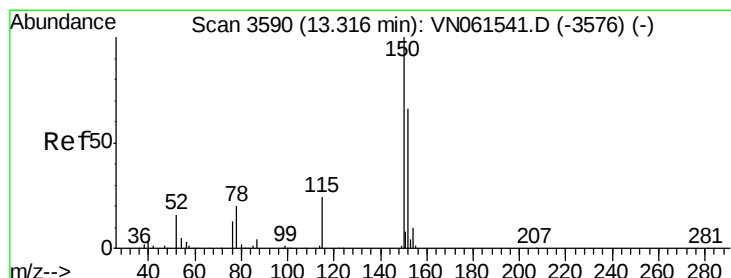
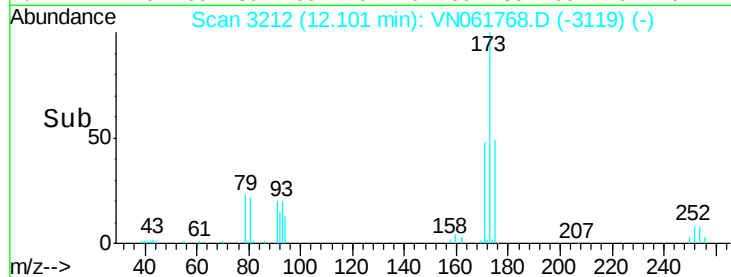
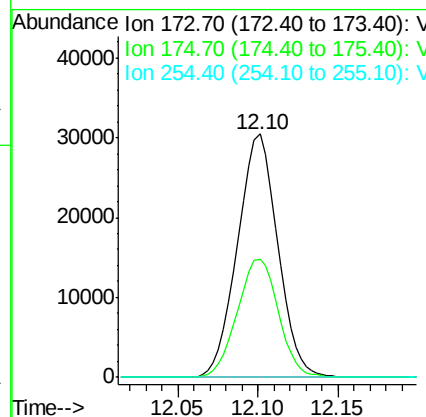
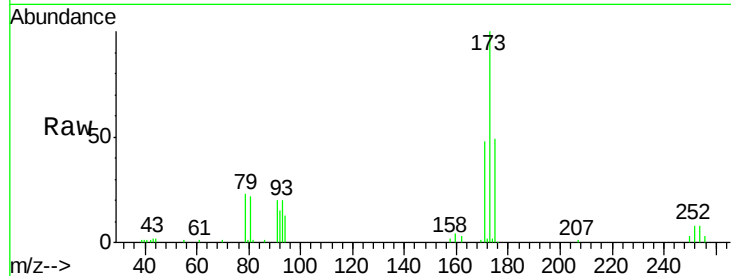




#71  
Bromoform  
Concen: 21.64 ug/l  
RT: 12.10 min Scan# 3212  
Delta R.T. 0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

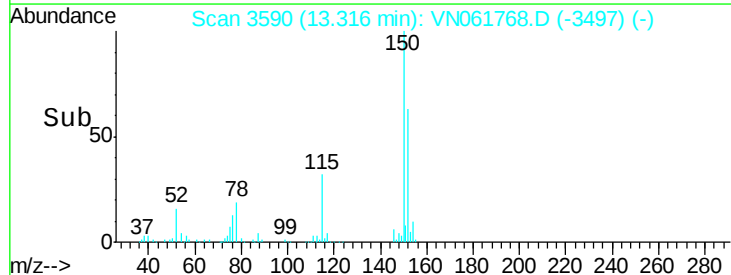
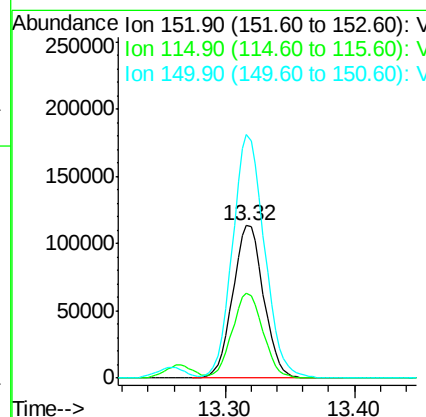
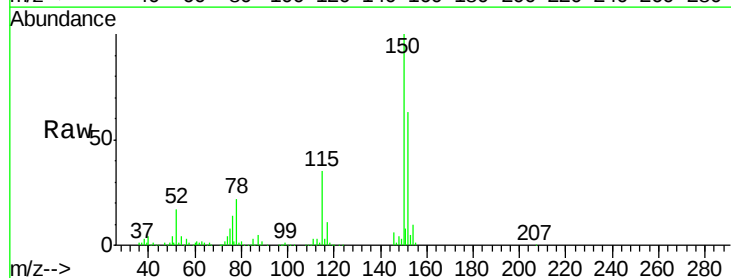
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

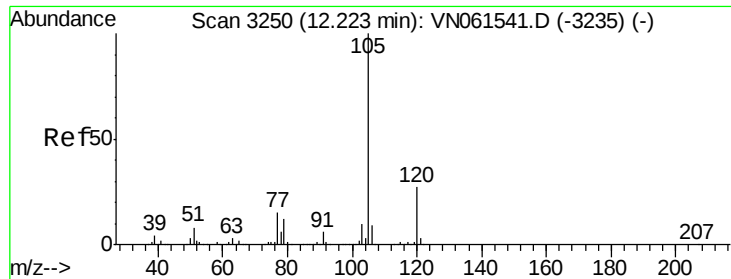
Tgt Ion:173 Resp: 52273  
Ion Ratio Lower Upper  
173 100  
175 49.5 24.4 73.2  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.32 min Scan# 3590  
Delta R.T. 0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion:152 Resp: 188461  
Ion Ratio Lower Upper  
152 100  
115 55.6 28.0 84.0  
150 164.7 0.0 344.0





#73

Isopropylbenzene

Concen: 18.26 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

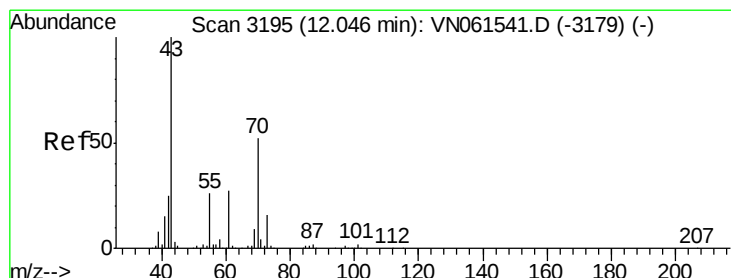
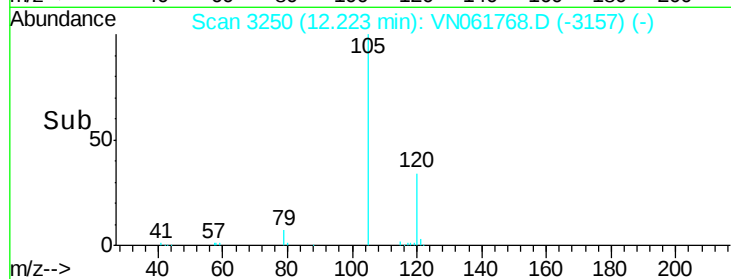
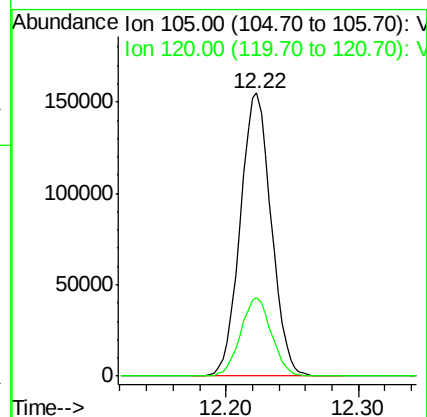
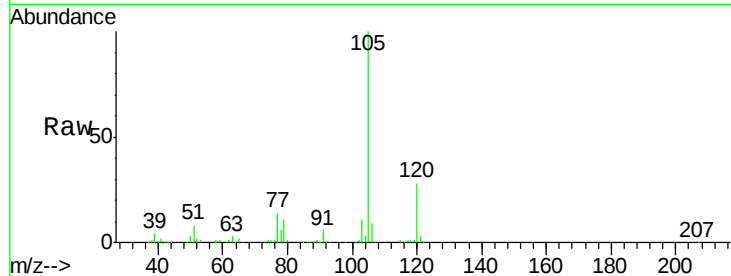
VN0611WBSD02

Tgt Ion:105 Resp: 251156

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



#74

N-ethyl acetate

Concen: 18.51 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Tgt Ion: 43 Resp: 80187

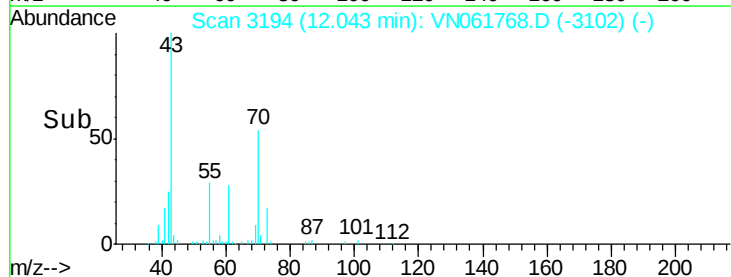
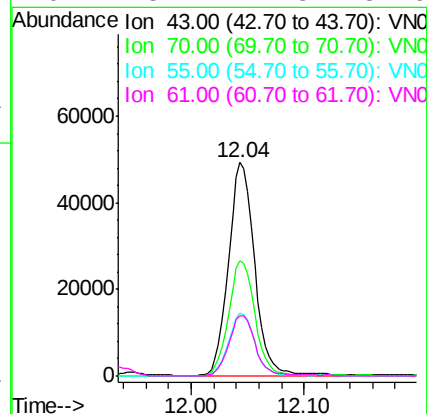
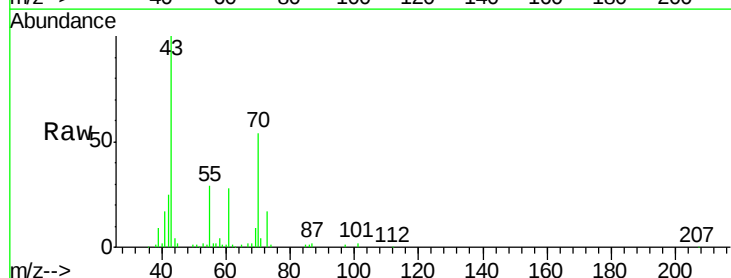
Ion Ratio Lower Upper

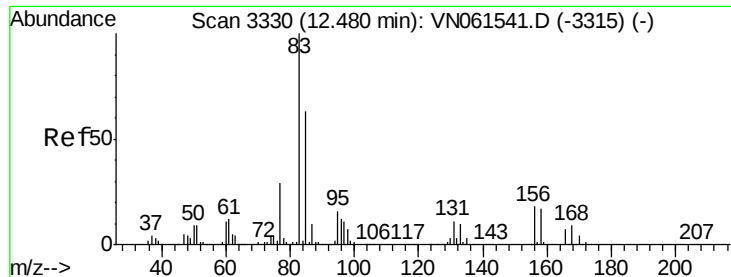
43 100

70 53.9 40.5 60.7

55 29.1 20.6 31.0

61 28.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.52 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBSD02

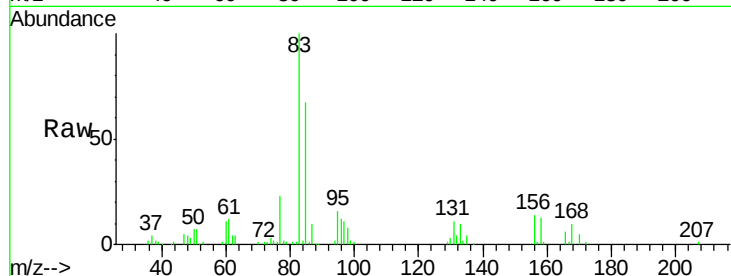
Tgt Ion: 83 Resp: 82956

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.5

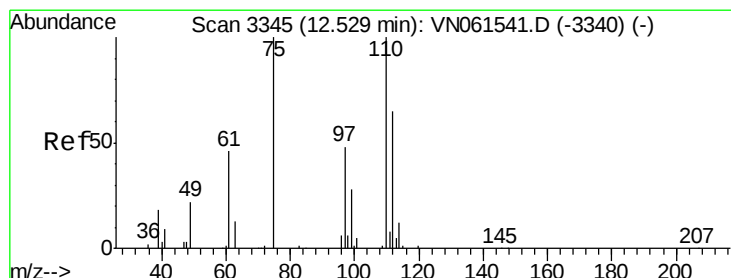
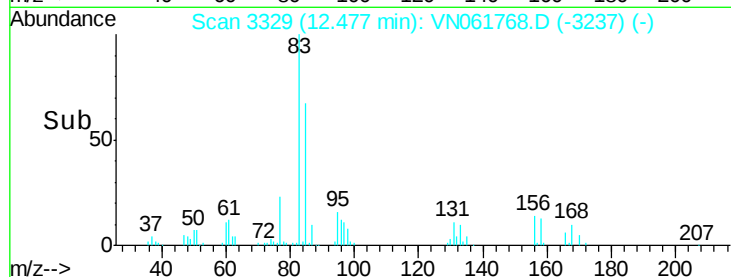
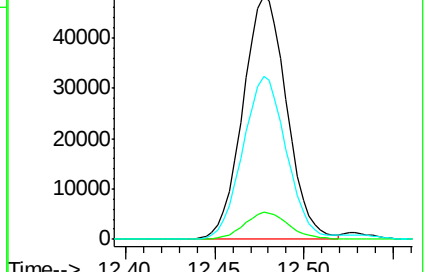
85 66.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 30.02 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061768.D

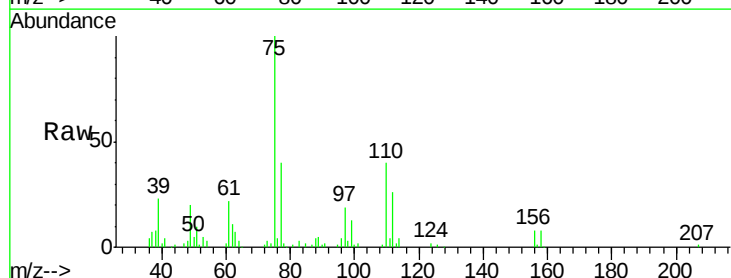
Acq: 12 Jun 2020 4:54

Tgt Ion: 75 Resp: 102893

Ion Ratio Lower Upper

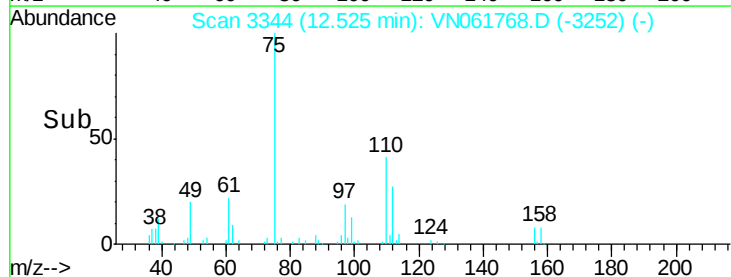
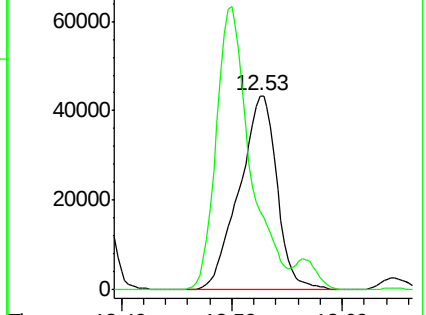
75 100

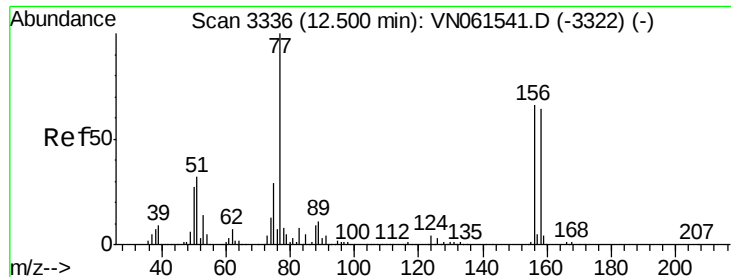
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)





#77

Bromobenzene

Concen: 22.13 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampled :

VN0611WBSD02

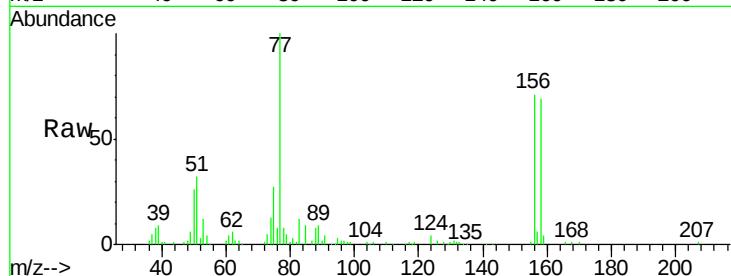
Tgt Ion:156 Resp: 77691

Ion Ratio Lower Upper

156 100

77 173.3 90.9 272.7

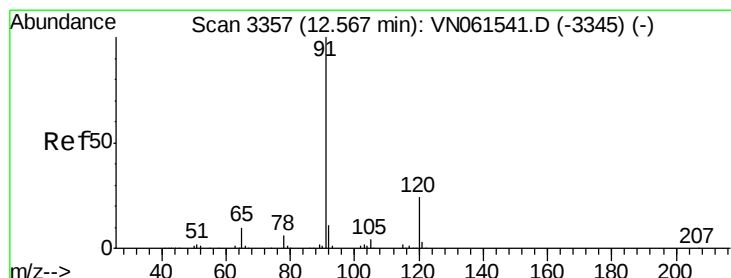
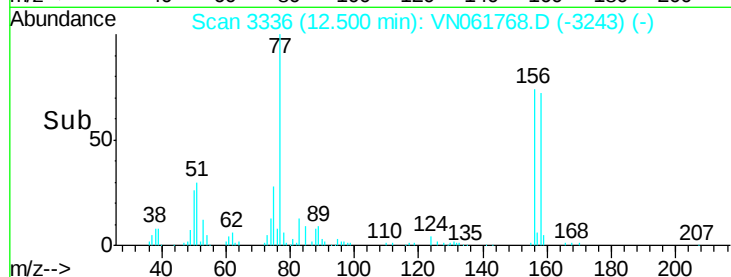
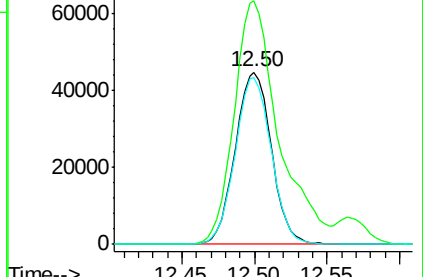
158 96.6 48.4 145.3



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: 17.54 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061768.D

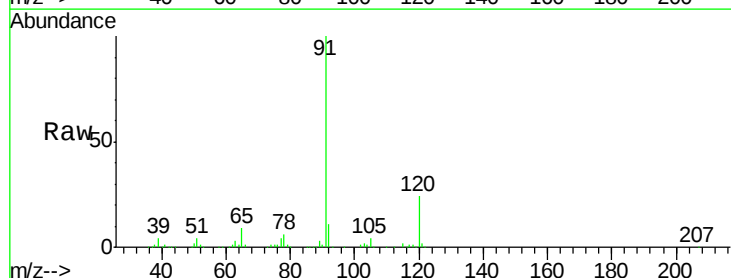
Acq: 12 Jun 2020 4:54

Tgt Ion: 91 Resp: 269393

Ion Ratio Lower Upper

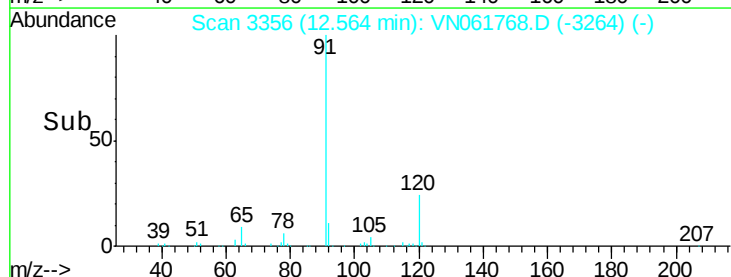
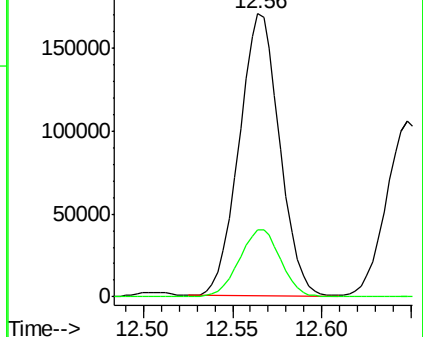
91 100

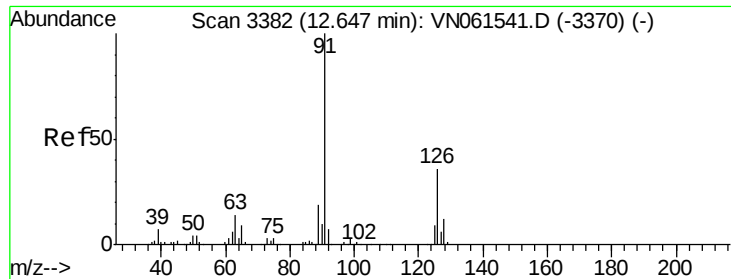
120 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.97 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

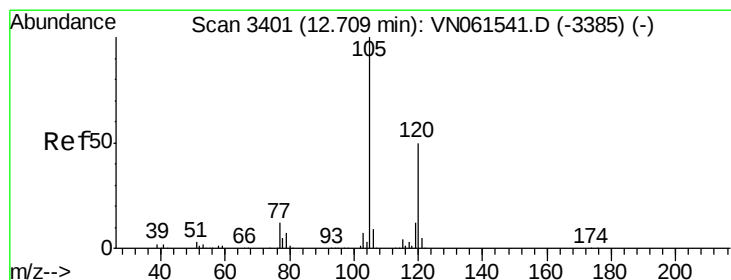
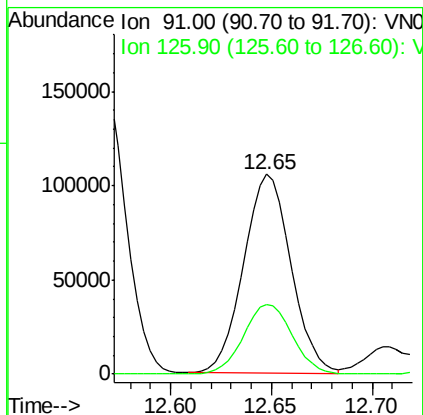
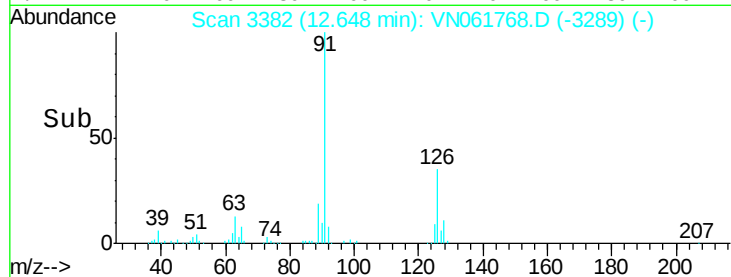
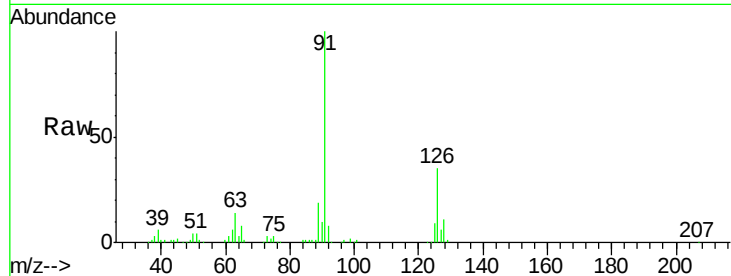
VN0611WBSD02

Tgt Ion: 91 Resp: 173662

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 18.35 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061768.D

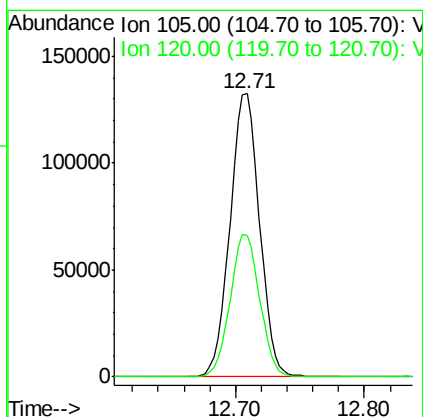
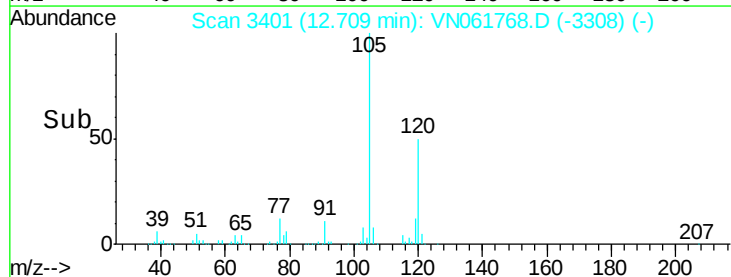
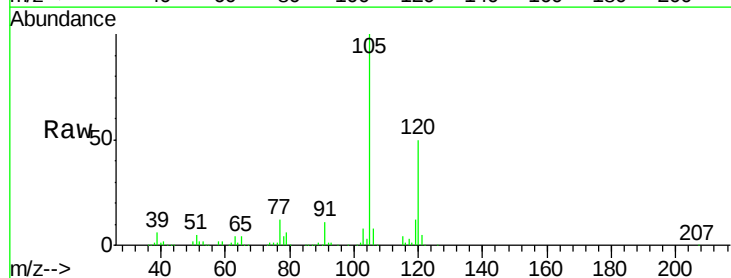
Acq: 12 Jun 2020 4:54

Tgt Ion: 105 Resp: 210999

Ion Ratio Lower Upper

105 100

120 50.3 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.11 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBSD02

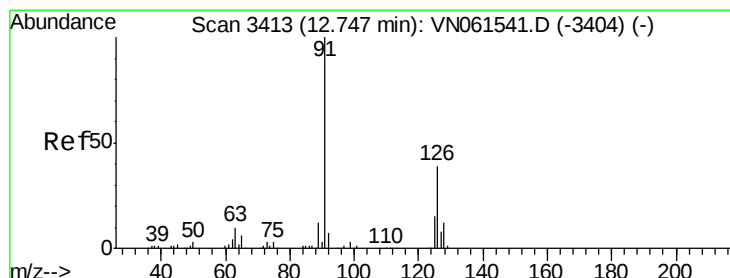
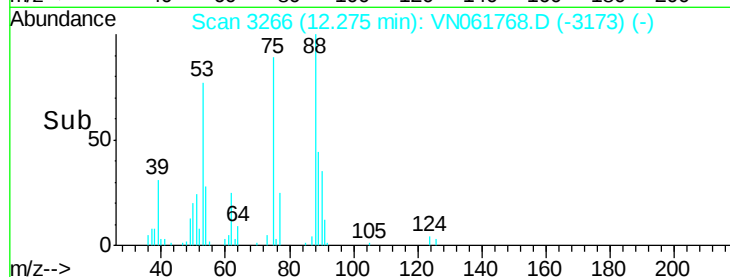
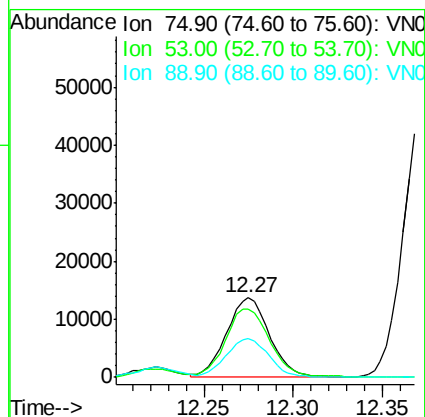
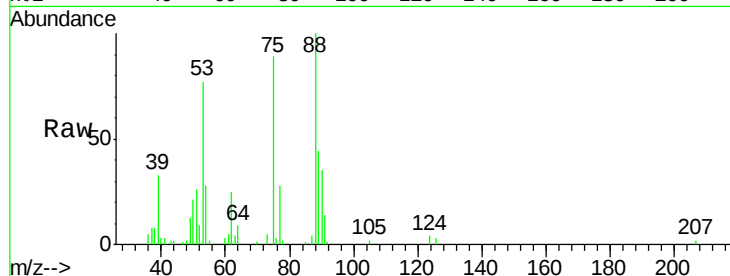
Tgt Ion: 75 Resp: 22931

Ion Ratio Lower Upper

75 100

53 85.6 67.8 101.8

89 48.4 37.1 55.7



#82

4-Chlorotoluene

Concen: 18.50 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061768.D

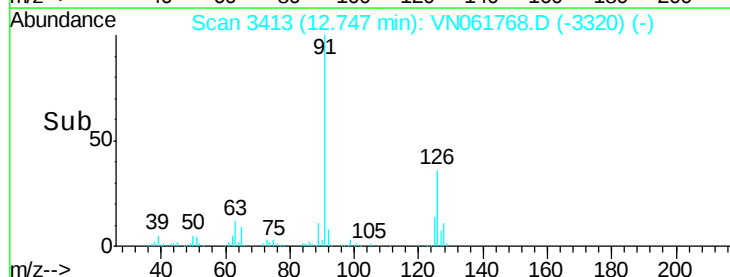
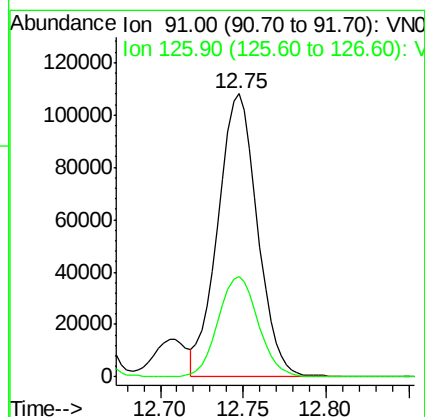
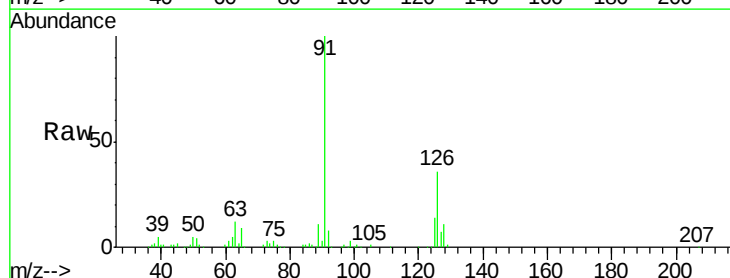
Acq: 12 Jun 2020 4:54

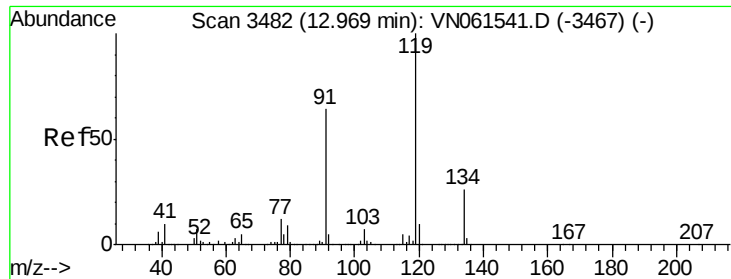
Tgt Ion: 91 Resp: 178182

Ion Ratio Lower Upper

91 100

126 36.3 17.5 52.6

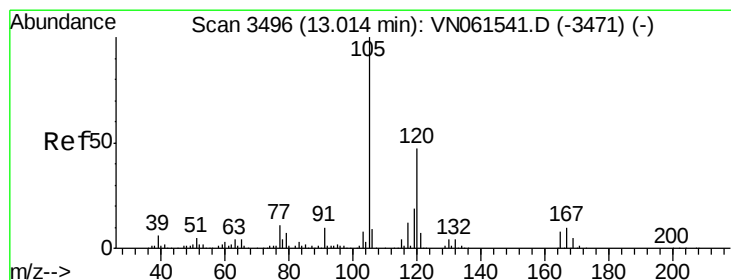
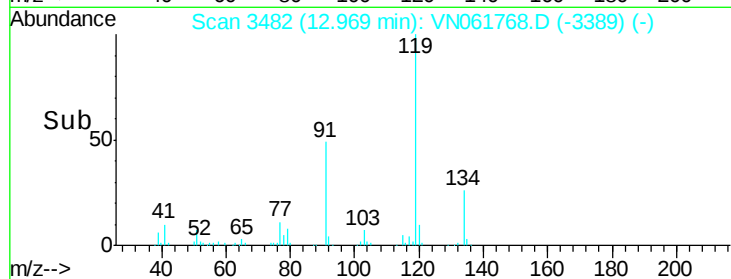
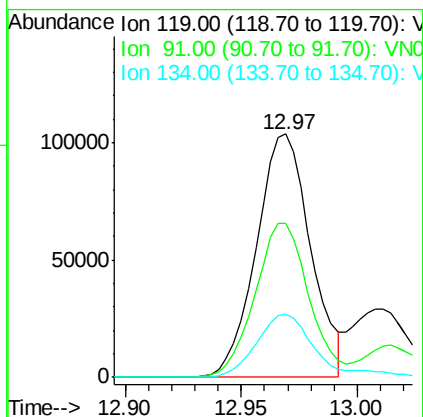
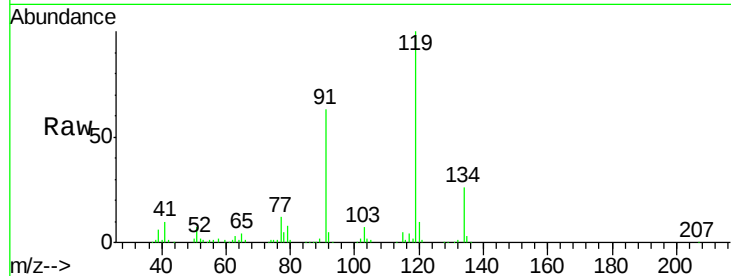




#83  
 tert-Butylbenzene  
 Concen: 16.65 ug/l  
 RT: 12.97 min Scan# 3482  
 Delta R.T. 0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

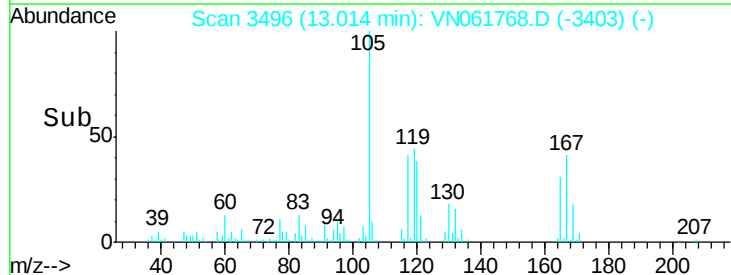
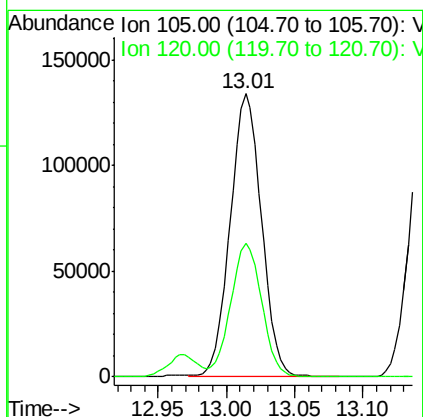
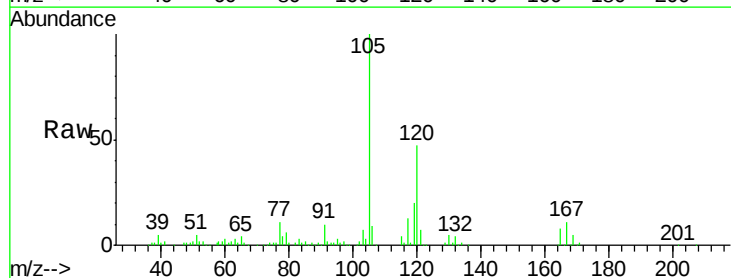
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0611WBSD02

Tgt Ion:119 Resp: 169130  
 Ion Ratio Lower Upper  
 119 100  
 91 62.7 31.3 93.8  
 134 28.3 13.5 40.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.74 ug/l  
 RT: 13.01 min Scan# 3496  
 Delta R.T. 0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion:105 Resp: 214033  
 Ion Ratio Lower Upper  
 105 100  
 120 47.0 23.2 69.5





#85

sec-Butylbenzene

Concen: 16.64 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

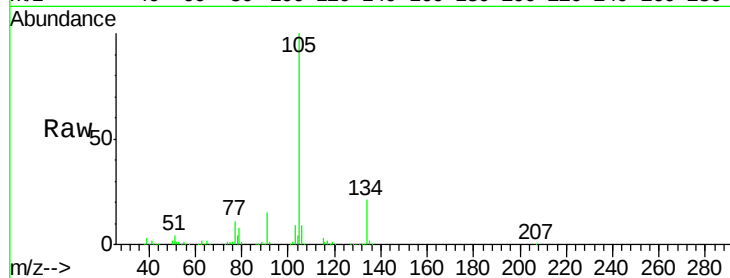
VN0611WBSD02

Tgt Ion:105 Resp: 217826

Ion Ratio Lower Upper

105 100

134 20.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

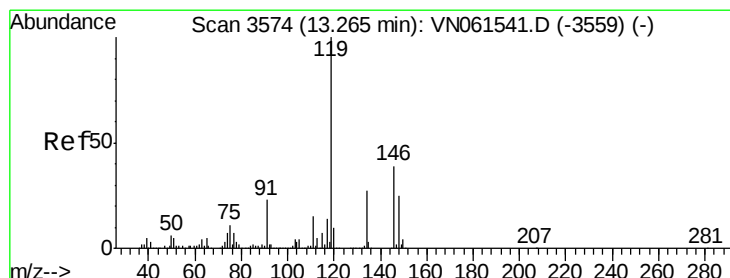
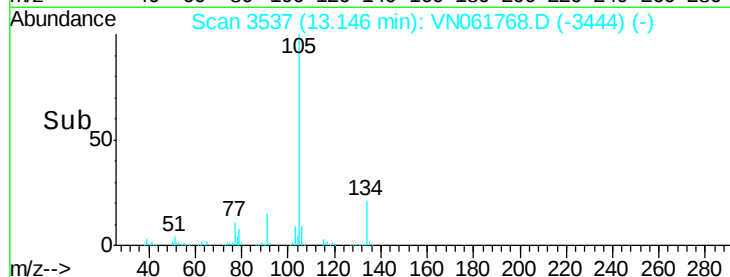
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 16.70 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

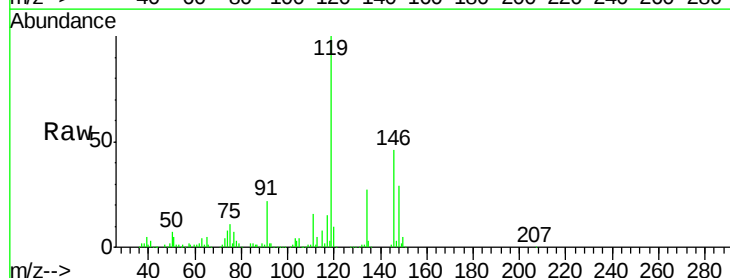
Tgt Ion:119 Resp: 201329

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.2 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

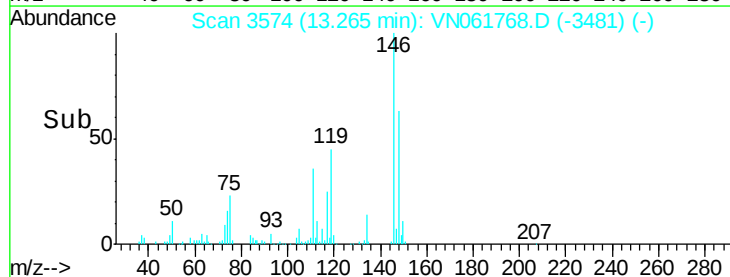
150000

100000

50000

0

Time-->

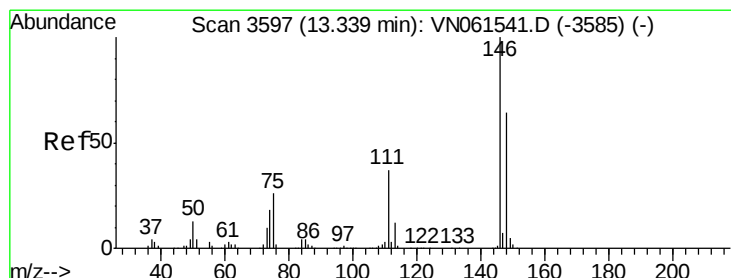
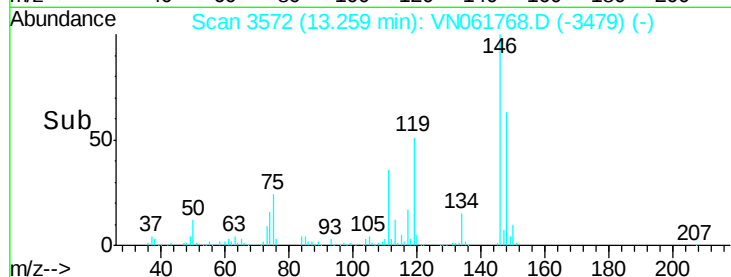
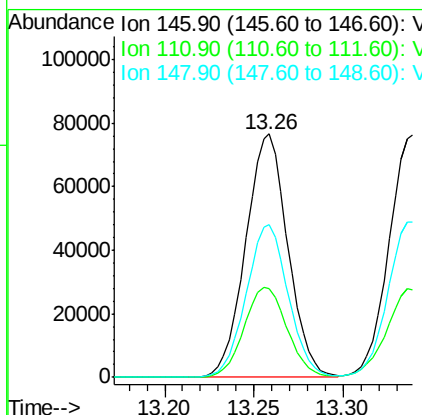
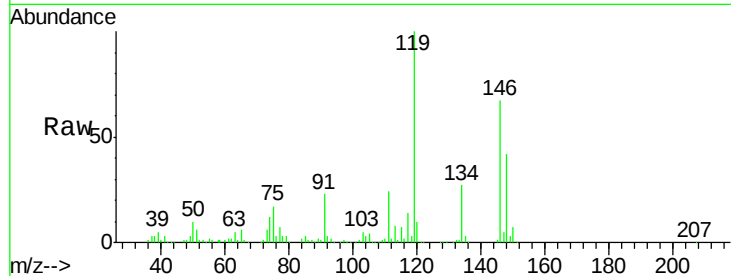




#87  
 1,3-Dichlorobenzene  
 Concen: 20.35 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. 0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

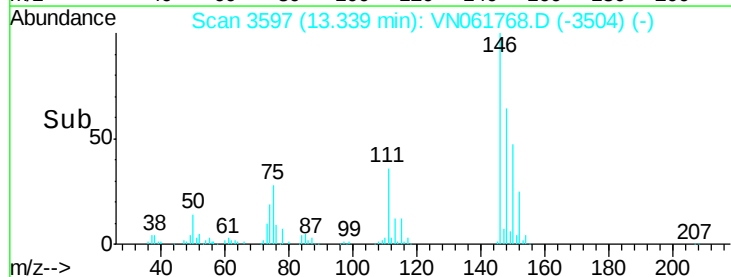
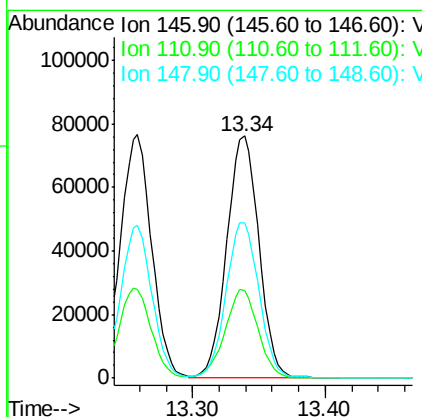
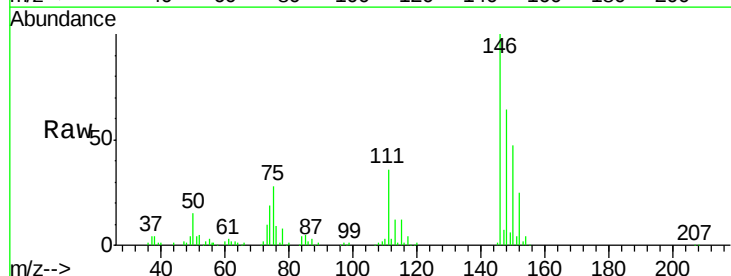
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBSD02

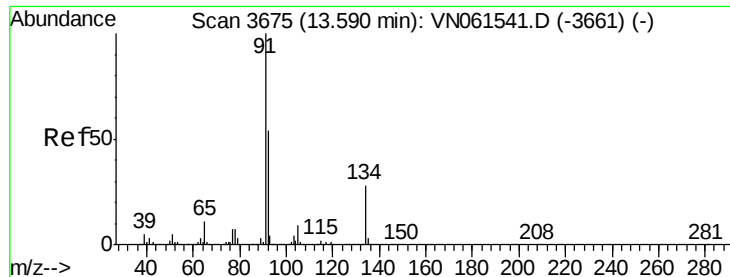
Tgt Ion:146 Resp: 126551  
 Ion Ratio Lower Upper  
 146 100  
 111 37.8 19.2 57.6  
 148 62.5 31.7 95.1



#88  
 1,4-Dichlorobenzene  
 Concen: 20.32 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. 0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion:146 Resp: 128707  
 Ion Ratio Lower Upper  
 146 100  
 111 37.5 18.9 56.9  
 148 65.5 31.8 95.3





#89

n-Butylbenzene

Concen: 15.30 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampled :

VN0611WBSD02

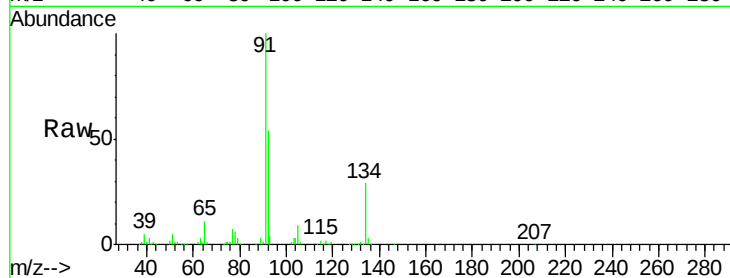
Tgt Ion: 91 Resp: 154465

Ion Ratio Lower Upper

91 100

92 53.2 27.2 81.6

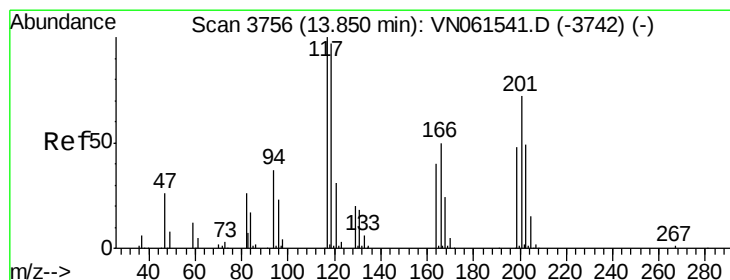
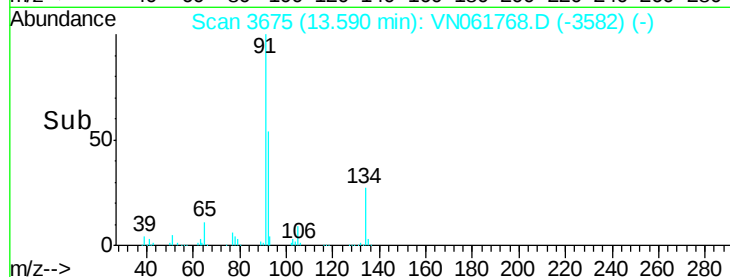
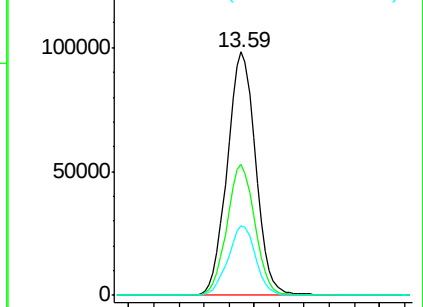
134 27.7 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)



#90

Hexachloroethane

Concen: 23.26 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN061768.D

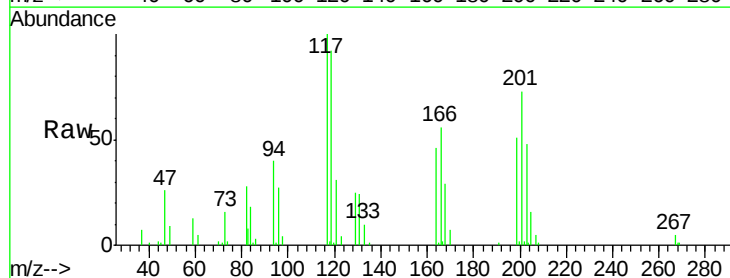
Acq: 12 Jun 2020 4:54

Tgt Ion: 117 Resp: 31013

Ion Ratio Lower Upper

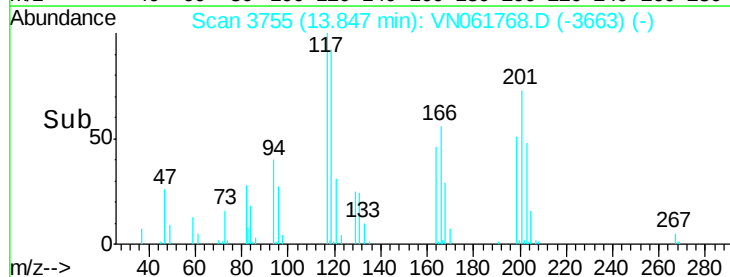
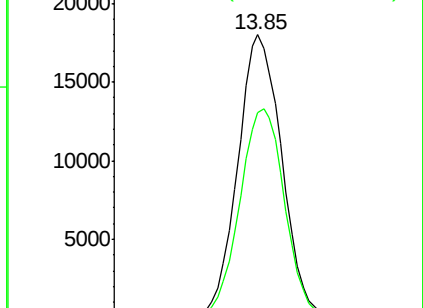
117 100

201 75.2 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)





#91

1,2-Dichlorobenzene

Concen: 21.20 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBSD02

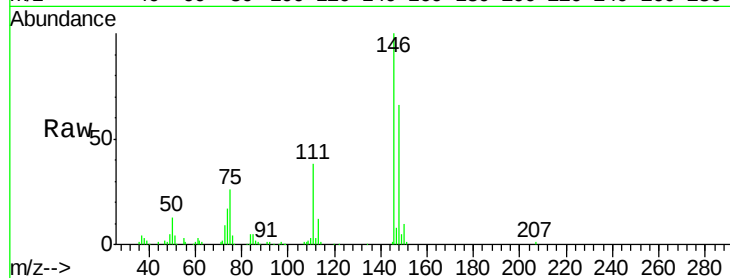
Tgt Ion:146 Resp: 125952

Ion Ratio Lower Upper

146 100

111 38.6 20.1 60.2

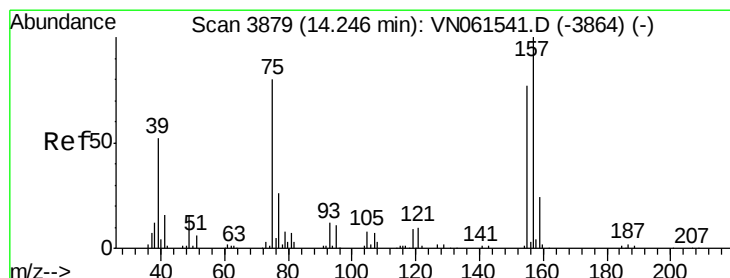
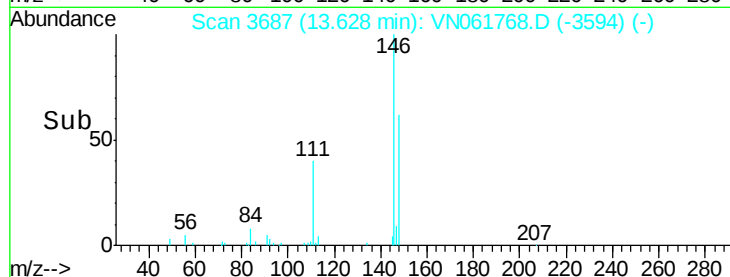
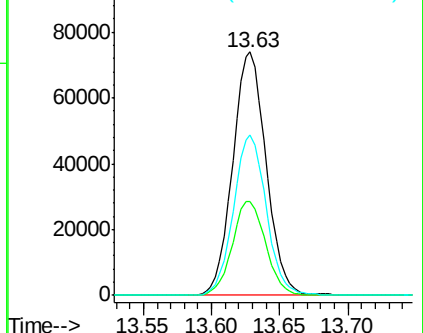
148 64.7 31.9 95.5



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: 18.11 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061768.D

Acq: 12 Jun 2020 4:54

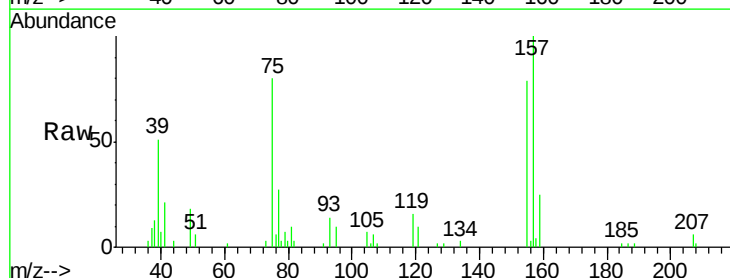
Tgt Ion: 75 Resp: 14238

Ion Ratio Lower Upper

75 100

155 101.3 47.1 141.4

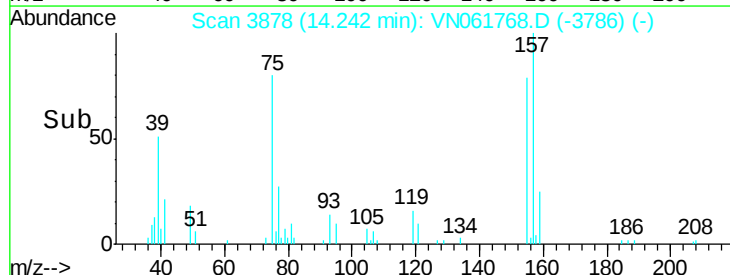
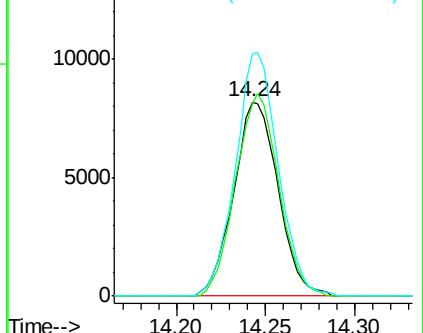
157 120.8 60.3 180.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

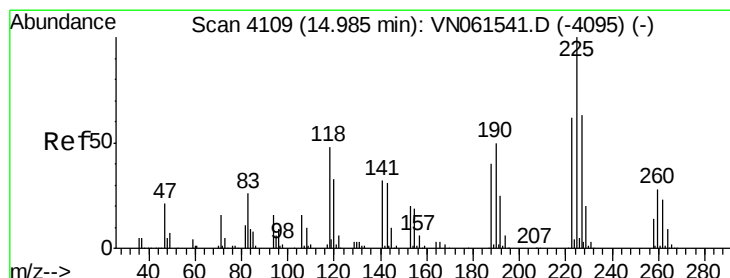
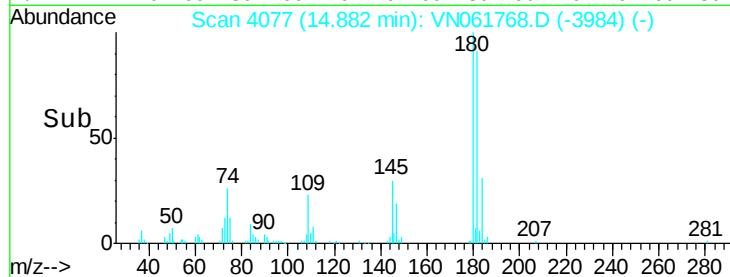
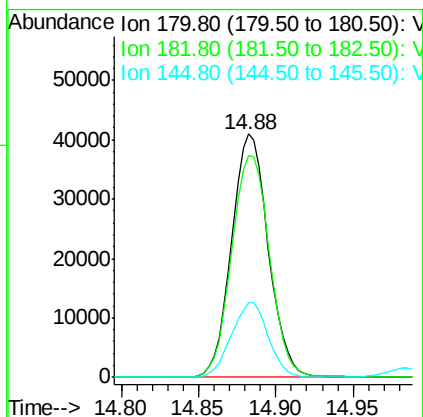
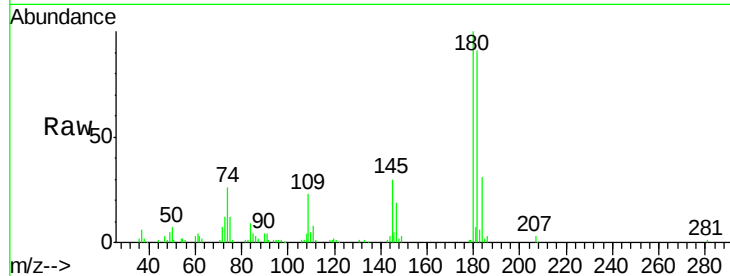




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.39 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. 0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

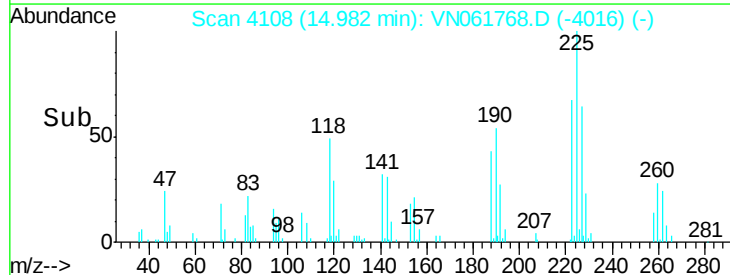
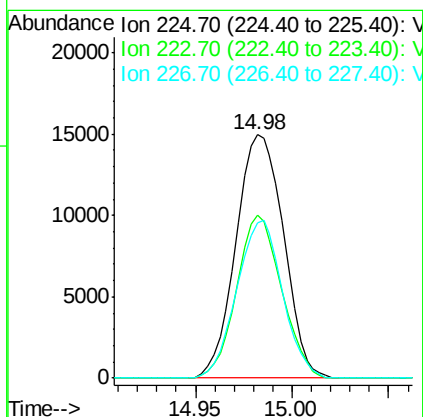
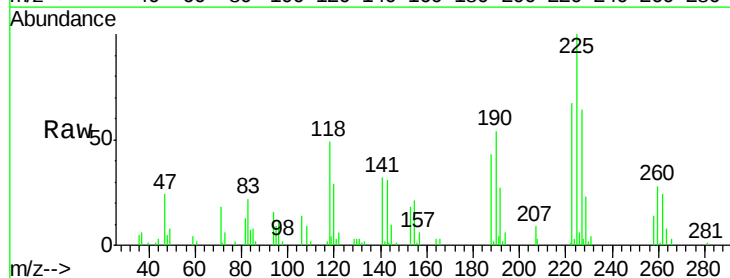
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0611WBSD02

Tgt Ion:180 Resp: 67386  
 Ion Ratio Lower Upper  
 180 100  
 182 94.6 47.8 143.3  
 145 30.9 15.5 46.5



#94  
 Hexachlorobutadiene  
 Concen: 17.29 ug/l  
 RT: 14.98 min Scan# 4108  
 Delta R.T. -0.00 min  
 Lab File: VN061768.D  
 Acq: 12 Jun 2020 4:54

Tgt Ion:225 Resp: 25619  
 Ion Ratio Lower Upper  
 225 100  
 223 63.0 31.9 95.5  
 227 62.1 31.9 95.9

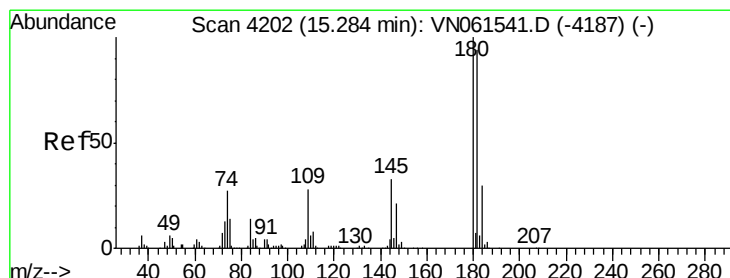
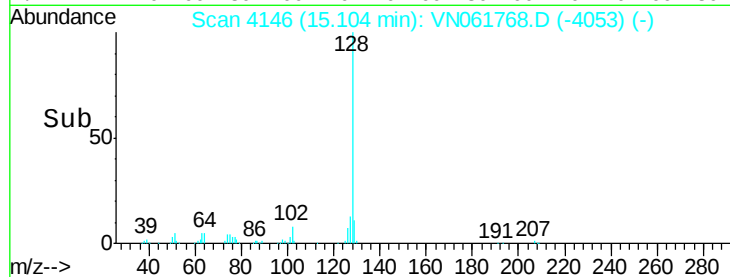
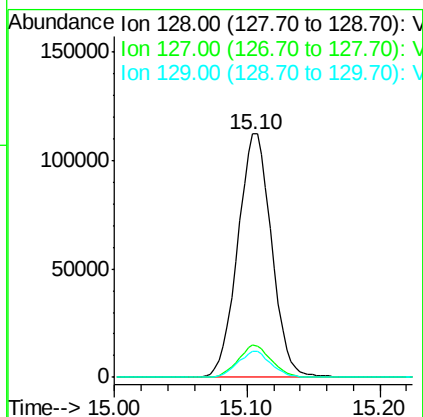
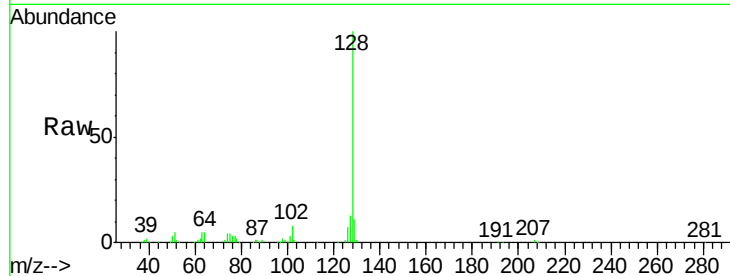




#95  
Naphthalene  
Concen: 18.85 ug/l  
RT: 15.10 min Scan# 4146  
Delta R.T. 0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBSD02

Tgt Ion:128 Resp: 199374  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.0 15.0  
129 10.5 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 20.14 ug/l  
RT: 15.28 min Scan# 4202  
Delta R.T. 0.00 min  
Lab File: VN061768.D  
Acq: 12 Jun 2020 4:54

Tgt Ion:180 Resp: 68816  
Ion Ratio Lower Upper  
180 100  
182 95.8 47.1 141.3  
145 31.9 16.3 48.9

