

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\  
 Data File : VN061742.D  
 Acq On : 11 Jun 2020 12:16  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 12 04:59:21 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  | 365582   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 554792   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 524752   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 273192   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.98   | 65  | 183939   | 42.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 84.46%  |      |
| 35) Dibromofluoromethane  | 7.54   | 113 | 144397   | 51.31 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.62% |      |
| 50) Toluene-d8            | 10.06  | 98  | 642946   | 49.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.60%  |      |
| 62) 4-Bromofluorobenzene  | 12.37  | 95  | 231411   | 48.63 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.26%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 194995  | 46.284  | ug/l | 99     |
| 3) Chloromethane              | 2.03 | 50  | 185861  | 41.683  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.16 | 62  | 259037  | 42.393  | ug/l | 99     |
| 5) Bromomethane               | 2.52 | 94  | 163603  | 46.661  | ug/l | 100    |
| 6) Chloroethane               | 2.66 | 64  | 174836  | 44.453  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 369151  | 46.849  | ug/l | 100    |
| 8) Diethyl Ether              | 3.37 | 74  | 107651  | 44.680  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71 | 101 | 174948  | 50.034  | ug/l | 95     |
| 10) Methyl Iodide             | 3.91 | 142 | 244751  | 50.424  | ug/l | 97     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 129475  | 223.481 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 169879  | 45.476  | ug/l | 92     |
| 13) Acrolein                  | 3.56 | 56  | 35452   | 205.821 | ug/l | 97     |
| 14) Allyl chloride            | 4.27 | 41  | 204429  | 41.859  | ug/l | 97     |
| 15) Acrylonitrile             | 4.93 | 53  | 352969  | 218.273 | ug/l | 99     |
| 16) Acetone                   | 3.77 | 43  | 328188  | 273.989 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.01 | 76  | 337606  | 41.078  | ug/l | 99     |
| 18) Methyl Acetate            | 4.27 | 43  | 173420  | 43.981  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 563798  | 44.284  | ug/l | 98     |
| 20) Methylene Chloride        | 4.50 | 84  | 195788  | 49.435  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 4.98 | 96  | 192438  | 45.679  | ug/l | 92     |
| 22) Diisopropyl ether         | 5.90 | 45  | 484196  | 44.983  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.84 | 43  | 1764824 | 205.712 | ug/l | 97     |
| 24) 1,1-Dichloroethane        | 5.79 | 63  | 310548  | 45.497  | ug/l | 97     |
| 25) 2-Butanone                | 6.78 | 43  | 440638  | 213.458 | ug/l | 96     |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 296907  | 47.526  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 228745  | 47.951  | ug/l | 97     |
| 28) Bromochloromethane        | 7.14 | 49  | 122136  | 47.598  | ug/l | 95     |
| 29) Tetrahydrofuran           | 7.16 | 42  | 270486  | 198.708 | ug/l | 96     |
| 30) Chloroform                | 7.33 | 83  | 353466  | 46.809  | ug/l | 98     |
| 31) Cyclohexane               | 7.61 | 56  | 254257  | 41.419  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.52 | 97  | 318671  | 46.314  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 248784  | 50.655  | ug/l | 98     |
| 37) Ethyl Acetate             | 6.88 | 43  | 176177  | 44.537  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 263091  | 55.535  | ug/l | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :

Quant Time: Jun 12 04:59:21 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   | 294764   | 48.692   | ug/l   | 96       |
| 40) Benzene                    | 8.00  | 78   | 778268   | 51.358   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.12  | 41   | 75958    | 41.911   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 247191   | 48.724   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.12  | 43   | 316833   | 44.519   | ug/l   | 92       |
| 44) Trichloroethene            | 8.80  | 130  | 243398   | 52.264   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 188202   | 52.302   | ug/l   | 98       |
| 46) Dibromomethane             | 9.17  | 93   | 139214   | 50.445   | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.37  | 83   | 285541   | 52.224   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.17  | 41   | 138728   | 43.326   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.16  | 88   | 58486    | 1179.051 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 923936   | 230.377  | ug/l   | 97       |
| 52) Toluene                    | 10.12 | 92   | 525171   | 53.098   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 305566   | 51.878   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 331949   | 52.414   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 205875   | 52.246   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 280033   | 50.874   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 327485   | 51.963   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 592538   | 251.895  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.72 | 43   | 679191   | 235.809  | ug/l   | 97       |
| 60) Dibromochloromethane       | 10.87 | 129  | 241145   | 53.829   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 216379   | 52.650   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.60 | 164  | 268434   | 54.344   | ug/l   | 97       |
| 65) Chlorobenzene              | 11.40 | 112  | 582966   | 53.446   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 224261   | 55.217   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.48 | 91   | 1009667  | 53.555   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.59 | 106  | 801245   | 107.187  | ug/l   | 98       |
| 69) o-Xylene                   | 11.92 | 106  | 378098   | 53.254   | ug/l   | 99       |
| 70) Styrene                    | 11.94 | 104  | 651690   | 55.426   | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 173770   | 55.524   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.22 | 105  | 1014494  | 50.879   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.04 | 43   | 281561   | 44.839   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 258800   | 46.316   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 341173   | 68.678   | ug/l # | 100      |
| 77) Bromobenzene               | 12.50 | 156  | 268686   | 52.790   | ug/l   | 96       |
| 78) n-propylbenzene            | 12.56 | 91   | 1145270  | 51.450   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 657764   | 49.556   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 847891   | 50.876   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 89868    | 46.262   | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 701919   | 50.268   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.97 | 119  | 732100   | 49.718   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 853891   | 51.575   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 958055   | 50.492   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 905712   | 51.833   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 482092   | 53.489   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 485982   | 52.930   | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.59 | 91   | 745118   | 50.910   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 126653   | 65.540   | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 456221   | 52.968   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 46166    | 40.512   | ug/l   | 91       |

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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

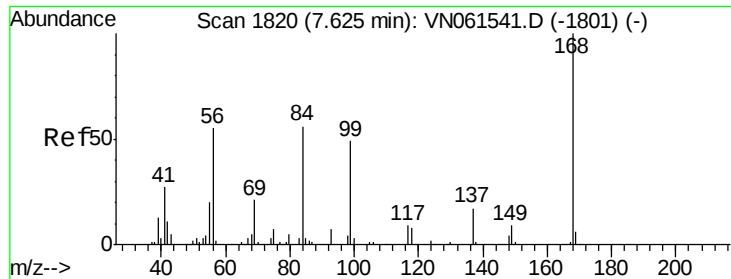
Instrument :  
MSVOA\_N  
ClientSampleId :

Quant Time: Jun 12 04:59:21 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  | 276304   | 54.851 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.99 | 225  | 120079   | 55.893 | ug/l  | 99       |
| 95) Naphthalene            | 15.10 | 128  | 750799   | 48.968 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 266371   | 53.783 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

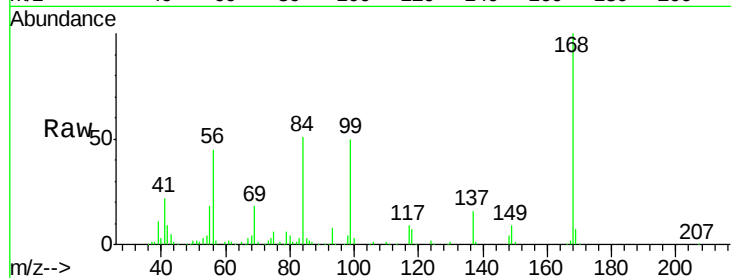
ClientSampleId :

Tot Ion:168 Resp: 365582

Ion Ratio Lower Upper

168 100

99 49.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

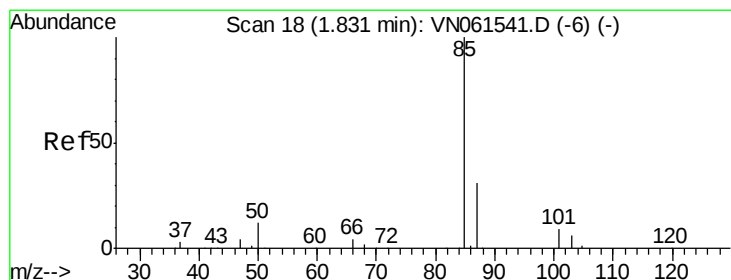
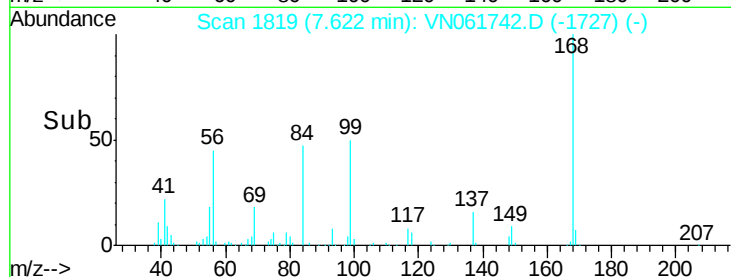
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 46.284 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061742.D

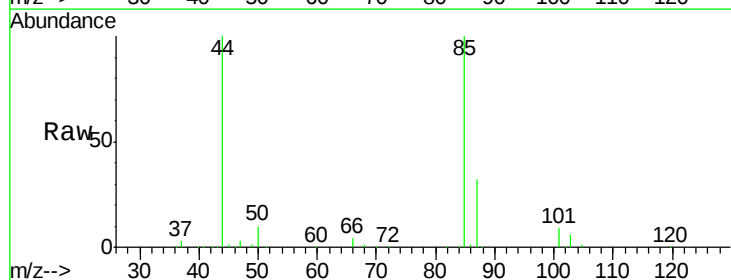
Acq: 11 Jun 2020 12:16

Tgt Ion: 85 Resp: 194995

Ion Ratio Lower Upper

85 100

87 32.0 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

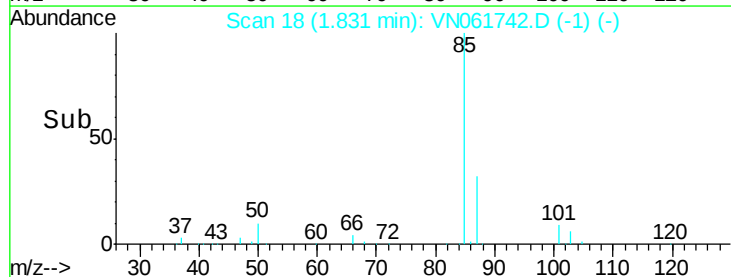
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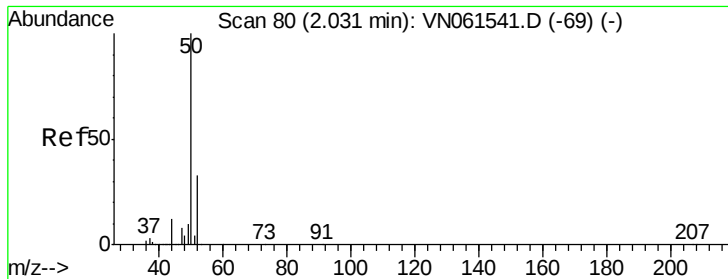
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 41.683 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

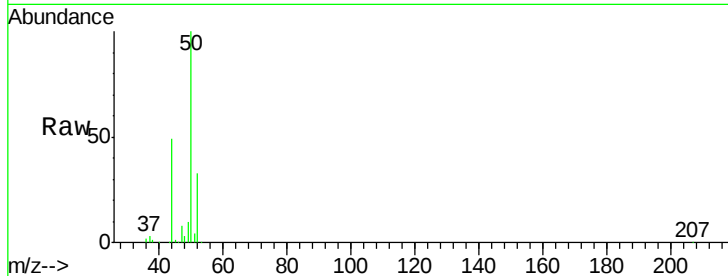
ClientSampleId :

Tot Ion: 50 Resp: 185861

Ion Ratio Lower Upper

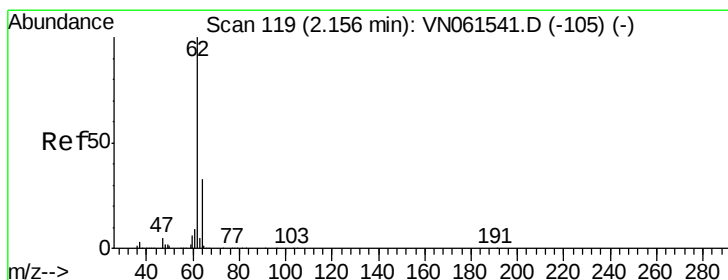
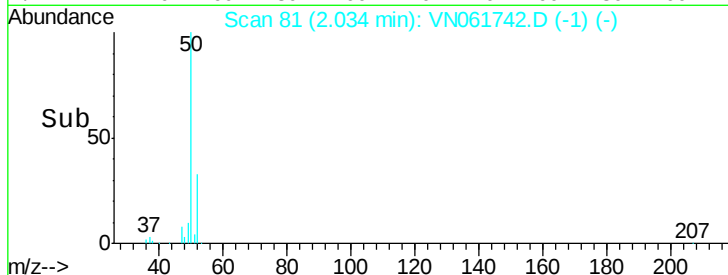
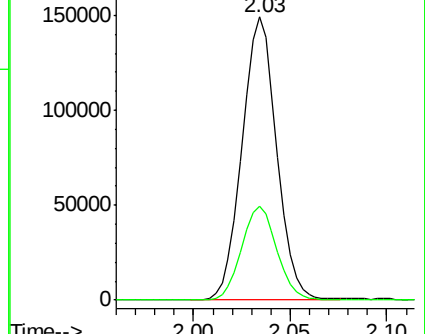
50 100

52 33.0 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 42.393 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061742.D

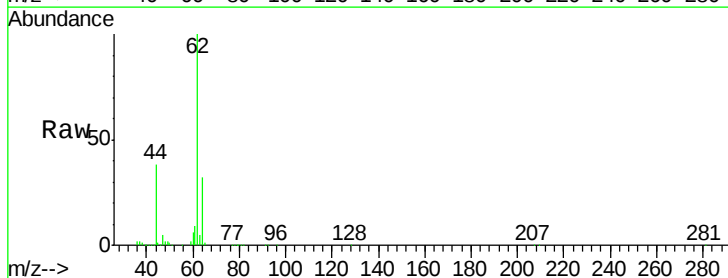
Acq: 11 Jun 2020 12:16

Tgt Ion: 62 Resp: 259037

Ion Ratio Lower Upper

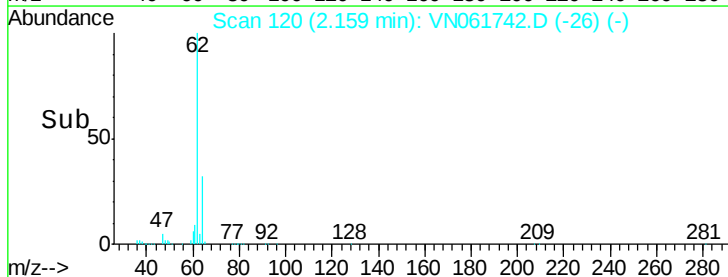
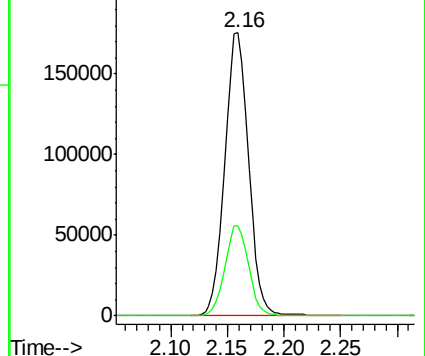
62 100

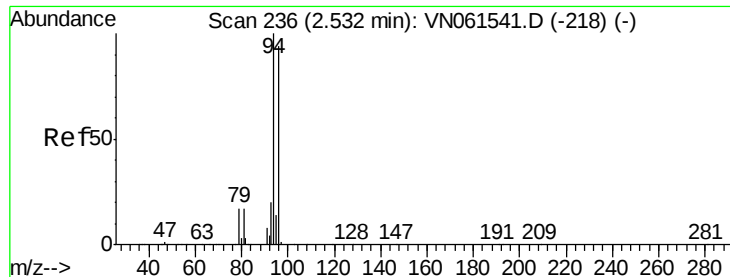
64 32.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

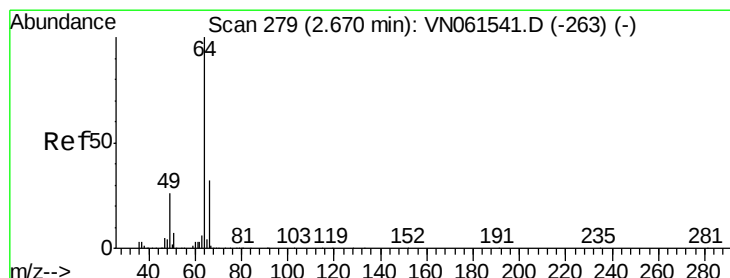
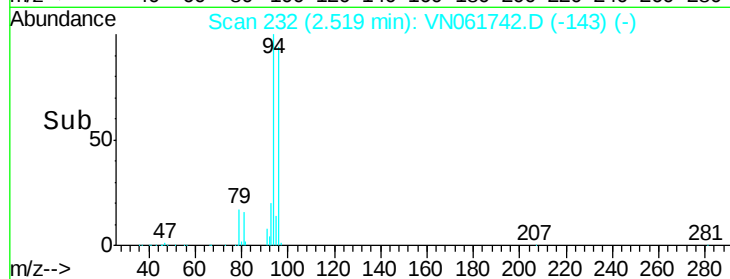
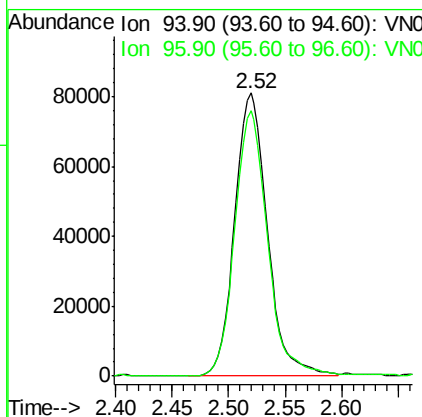
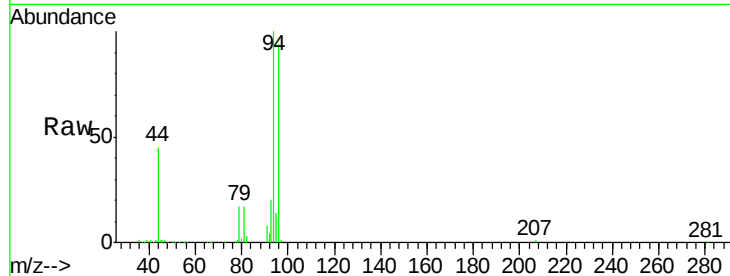




#5  
Bromomethane  
Concen: 46.661 ug/l  
RT: 2.52 min Scan# 232  
Delta R.T. -0.01 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

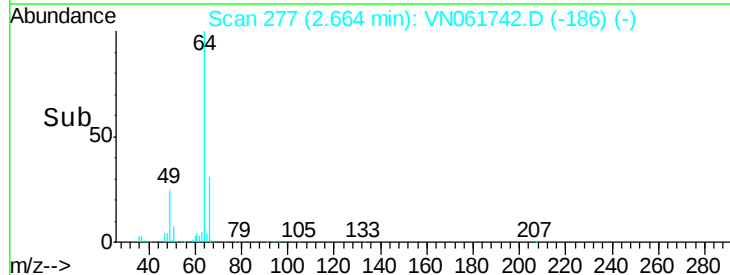
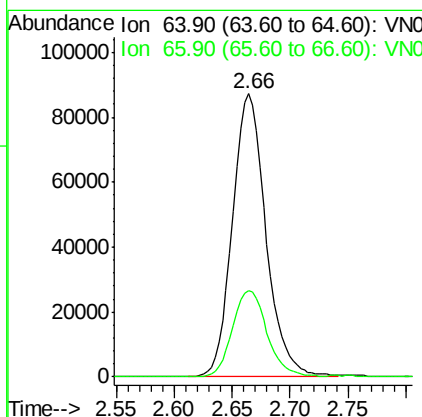
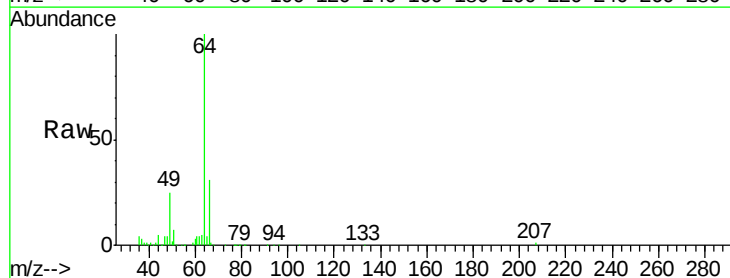
Instrument :  
MSVOA\_N  
ClientSampleId :

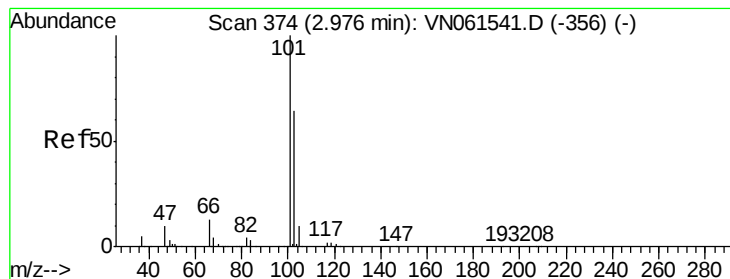
Tot Ion: 94 Resp: 163603  
Ion Ratio Lower Upper  
94 100  
96 93.5 74.8 112.2



#6  
Chloroethane  
Concen: 44.453 ug/l  
RT: 2.66 min Scan# 277  
Delta R.T. -0.01 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 64 Resp: 174836  
Ion Ratio Lower Upper  
64 100  
66 30.6 25.6 38.4



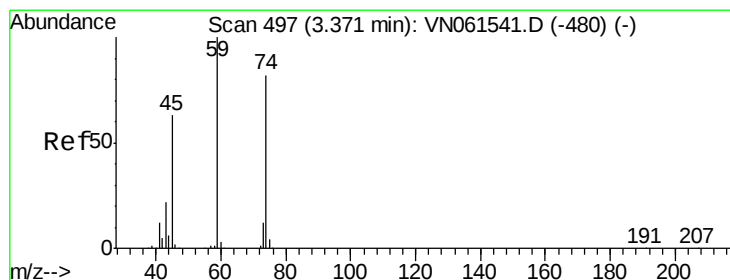
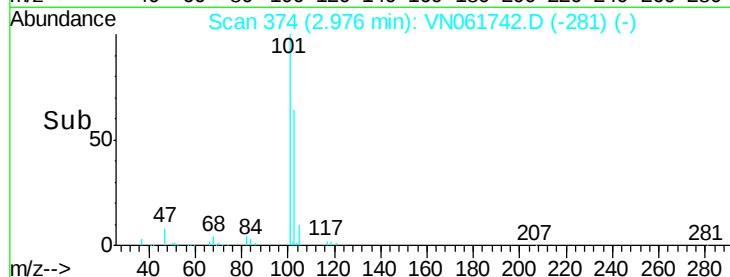
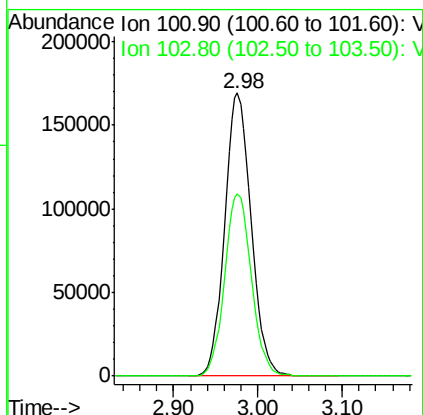
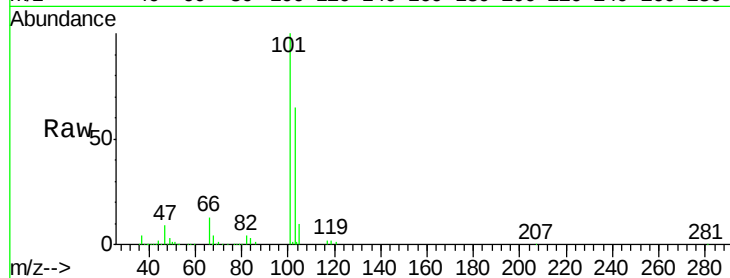


#7

Trichlorofluoromethane  
Concen: 46.849 ug/l  
RT: 2.98 min Scan# 374  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :

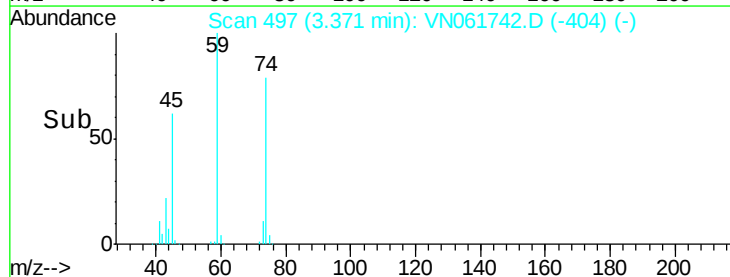
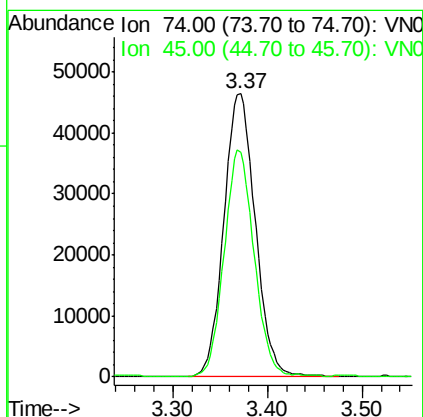
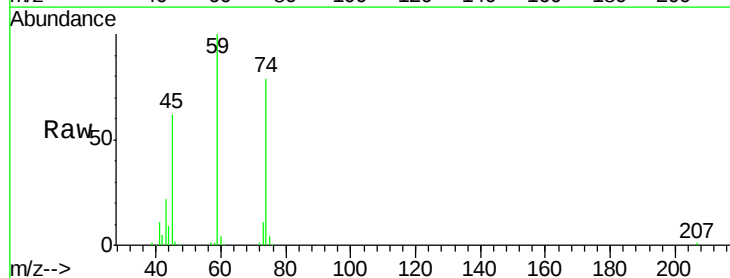
Tot Ion:101 Resp: 369151  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.4 77.2

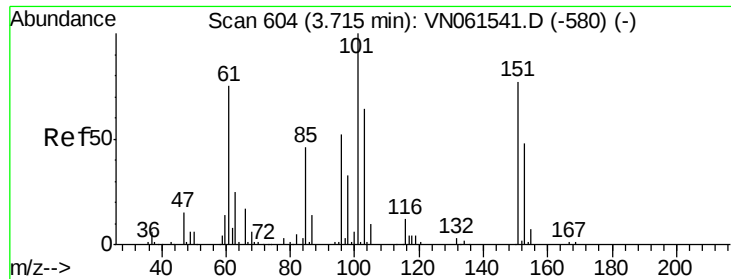


#8

Diethyl Ether  
Concen: 44.680 ug/l  
RT: 3.37 min Scan# 497  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 74 Resp: 107651  
Ion Ratio Lower Upper  
74 100  
45 76.0 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.034 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampleId :

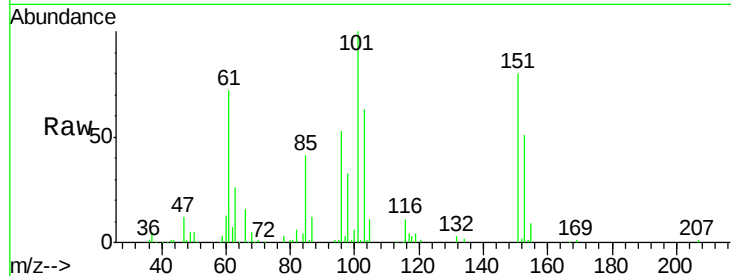
Tot Ion:101 Resp: 174948

Ion Ratio Lower Upper

101 100

85 41.9 35.2 52.8

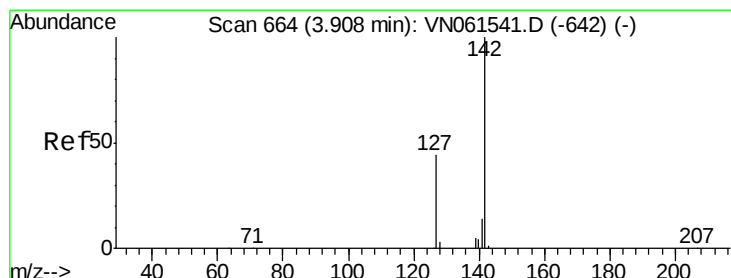
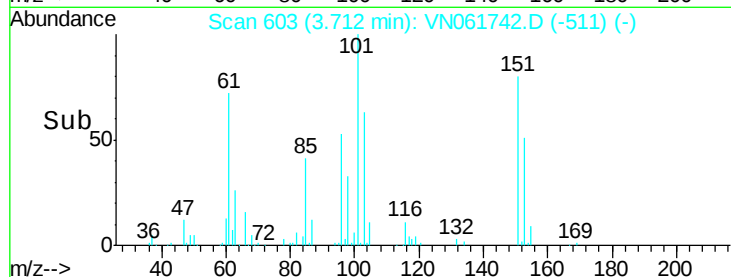
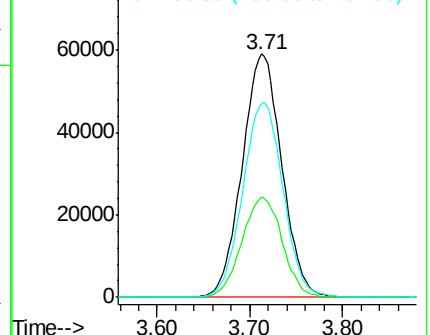
151 81.6 61.0 91.6



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: 50.424 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

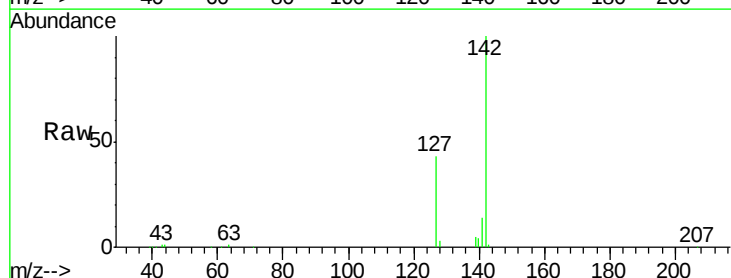
Tgt Ion:142 Resp: 244751

Ion Ratio Lower Upper

142 100

127 42.3 35.5 53.3

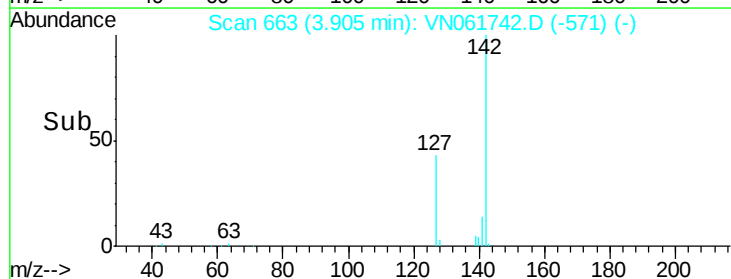
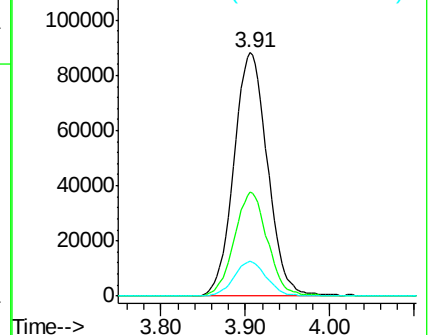
141 13.9 11.5 17.3

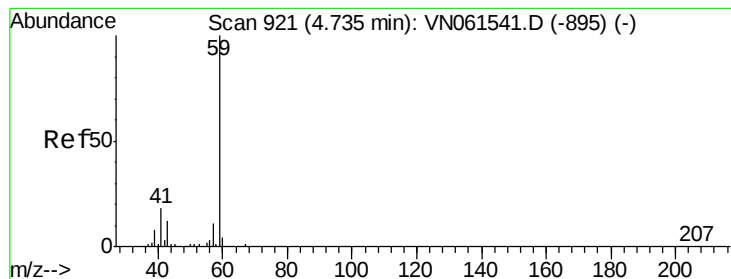


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



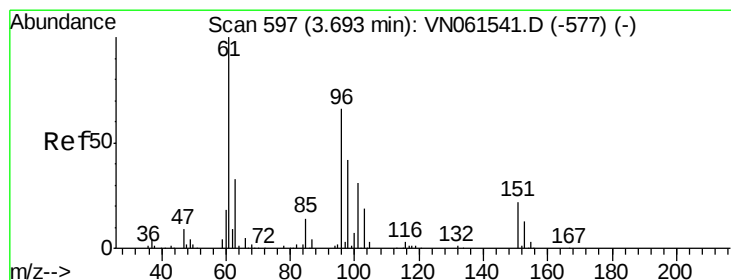
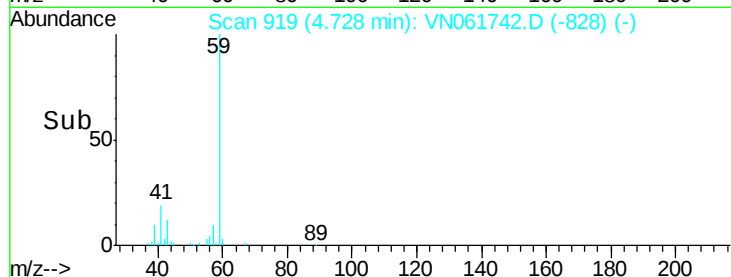
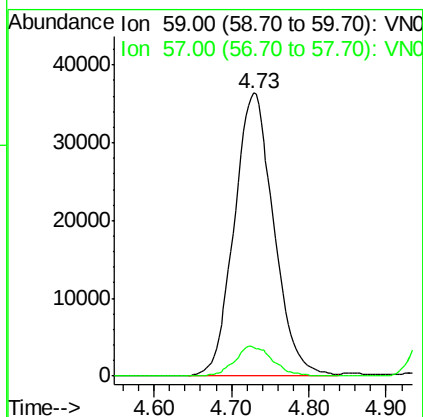
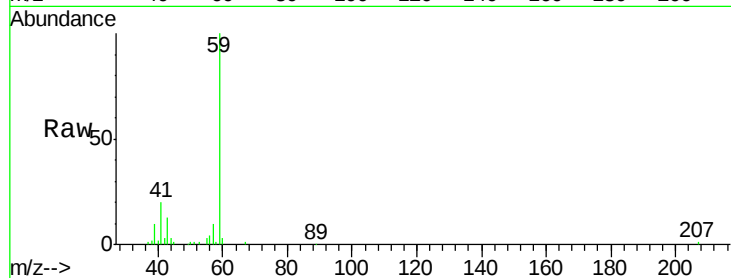


#11

Tert butyl alcohol  
Concen: 223.481 ug/l  
RT: 4.73 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Instrument :  
MSVOA\_N  
ClientSampled :

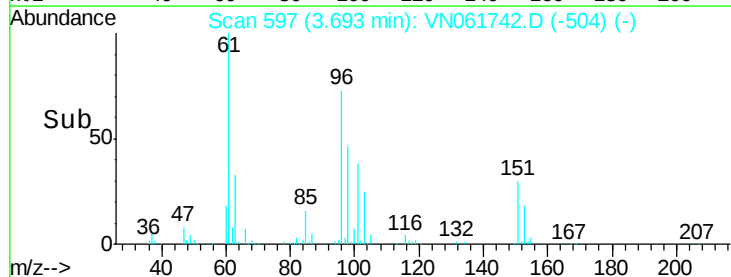
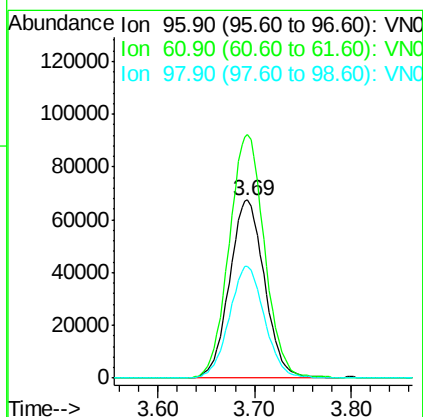
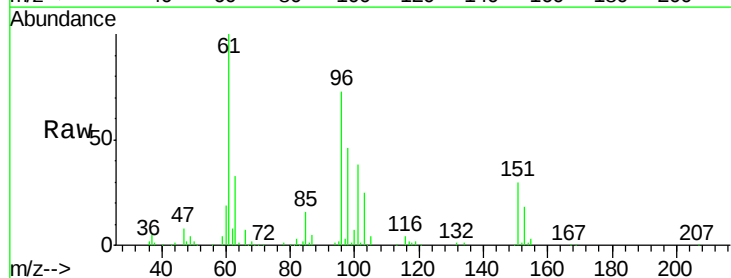
Tot Ion: 59 Resp: 129475  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.4 12.6



#12

1,1-Dichloroethene  
Concen: 45.476 ug/l  
RT: 3.69 min Scan# 597  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 96 Resp: 169879  
Ion Ratio Lower Upper  
96 100  
61 136.6 120.5 180.7  
98 63.1 50.8 76.2





#13

Acrolein

Concen: 205.821 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

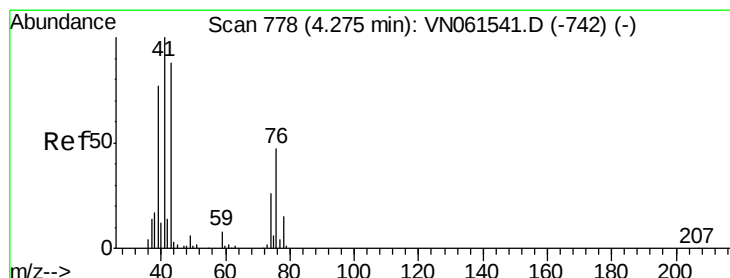
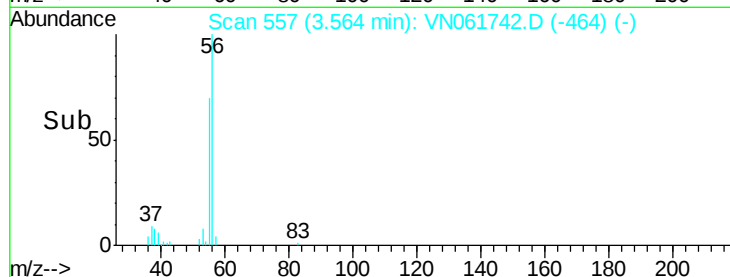
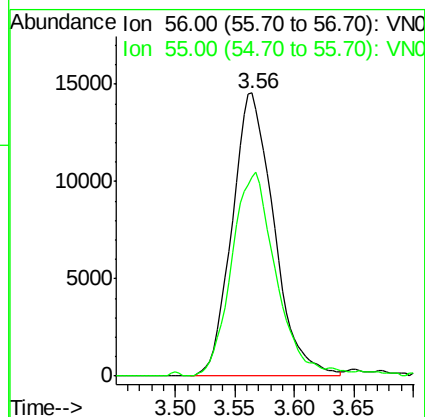
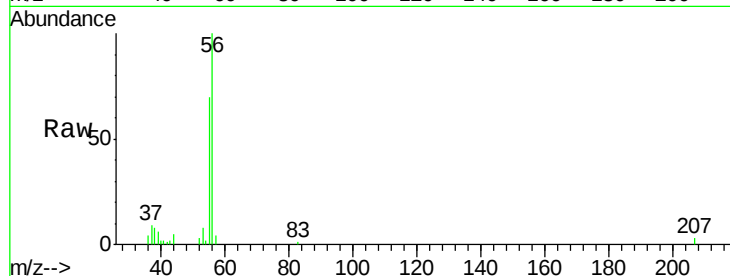
ClientSampled :

Tot Ion: 56 Resp: 35452

Ion Ratio Lower Upper

56 100

55 75.1 58.0 87.0



#14

Allyl chloride

Concen: 41.859 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

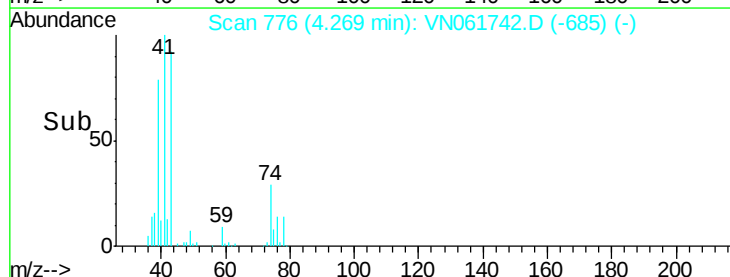
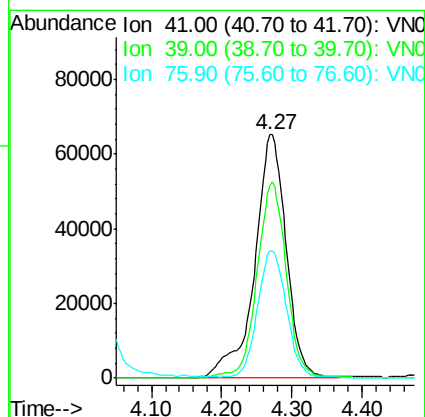
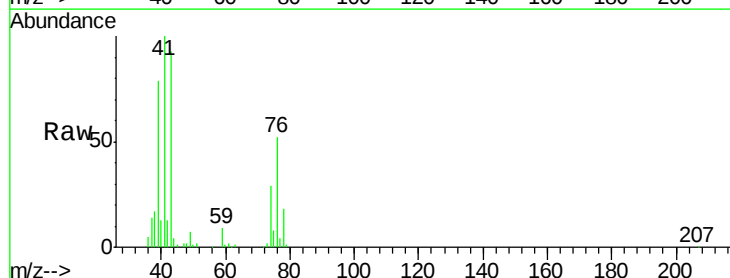
Tgt Ion: 41 Resp: 204429

Ion Ratio Lower Upper

41 100

39 74.7 58.6 88.0

76 46.6 34.2 51.4





#15

Acrylonitrile

Concen: 218.273 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampled :

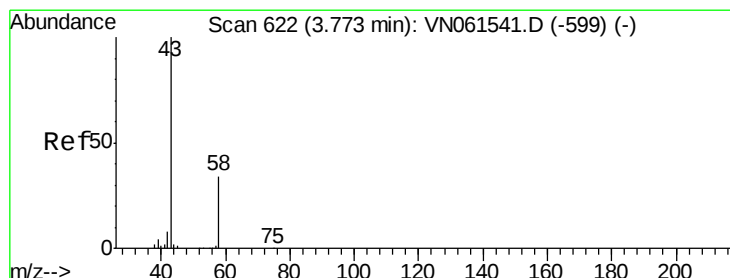
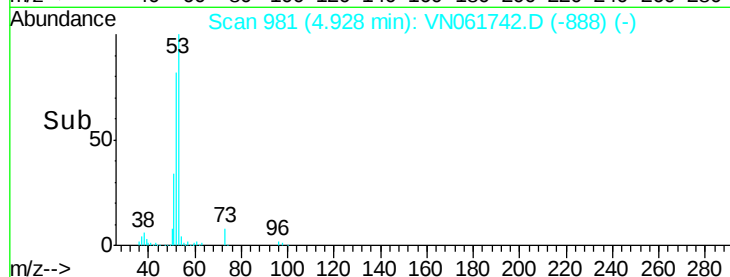
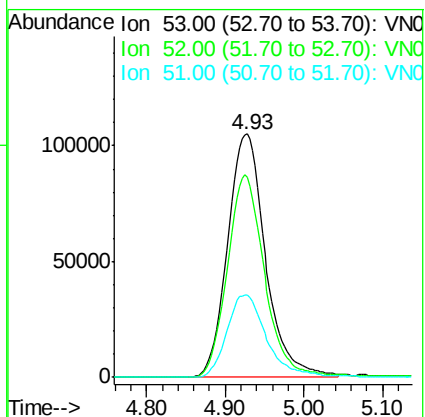
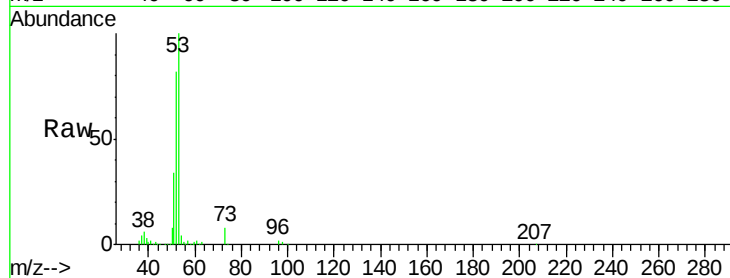
Tot Ion: 53 Resp: 352969

Ion Ratio Lower Upper

53 100

52 82.1 65.4 98.2

51 35.4 29.0 43.6



#16

Acetone

Concen: 273.989 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061742.D

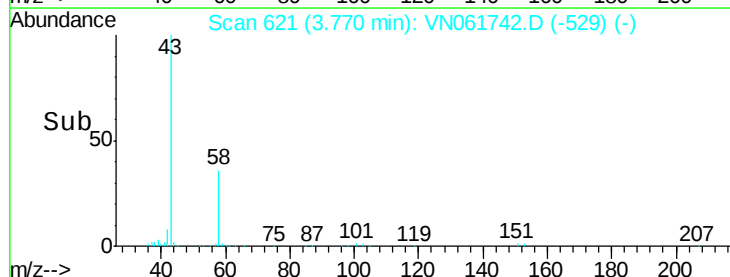
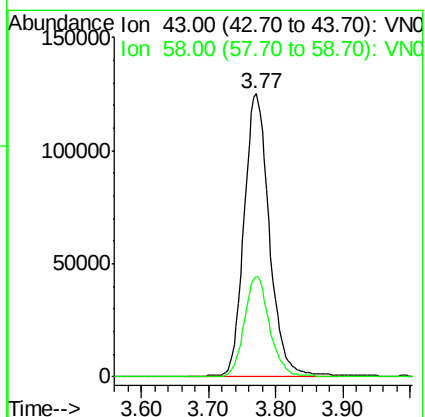
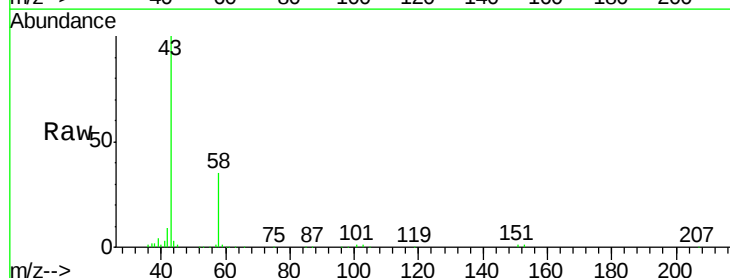
Acq: 11 Jun 2020 12:16

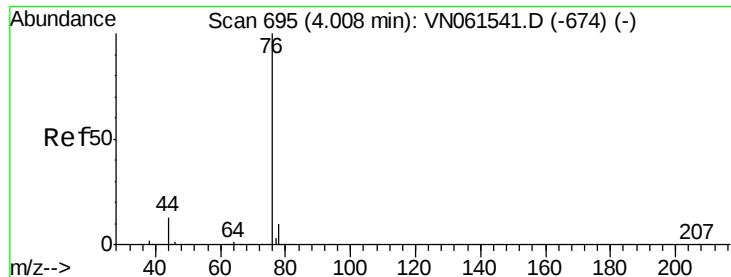
Tgt Ion: 43 Resp: 328188

Ion Ratio Lower Upper

43 100

58 35.4 27.2 40.8

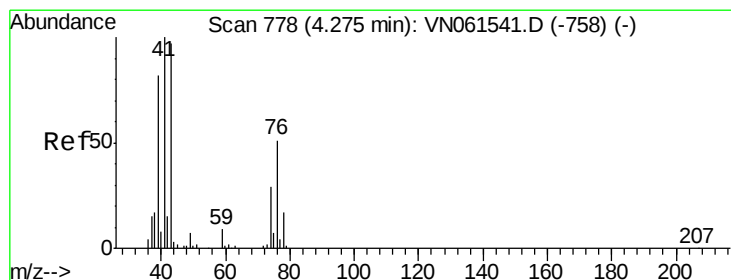
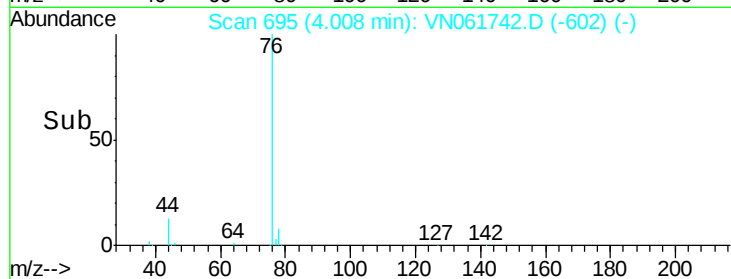
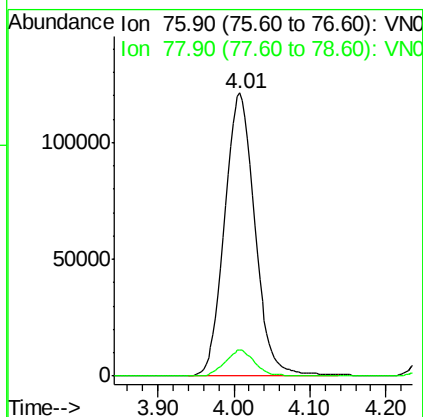
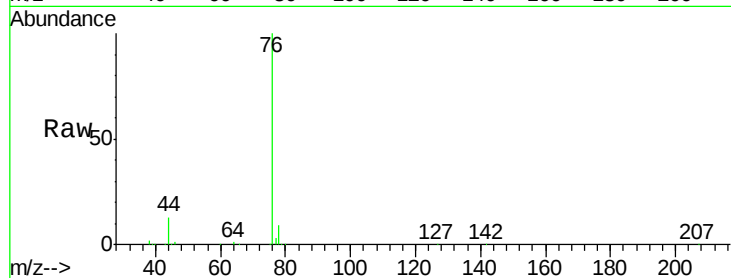




#17  
Carbon Disulfide  
Concen: 41.078 ug/l  
RT: 4.01 min Scan# 695  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

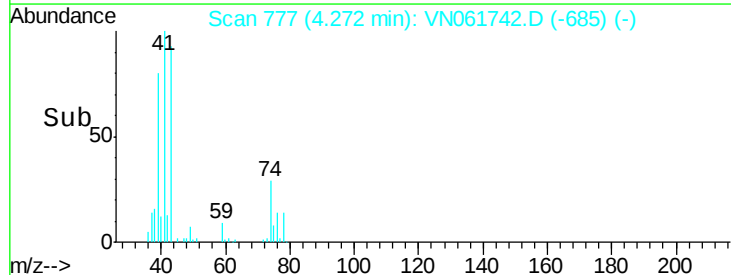
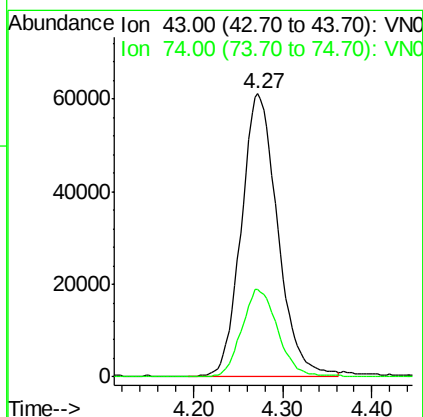
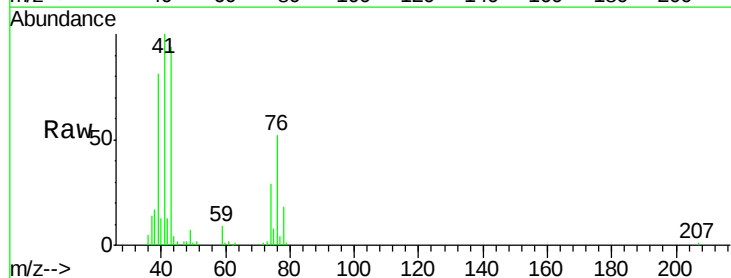
Instrument :  
MSVOA\_N  
ClientSampled :

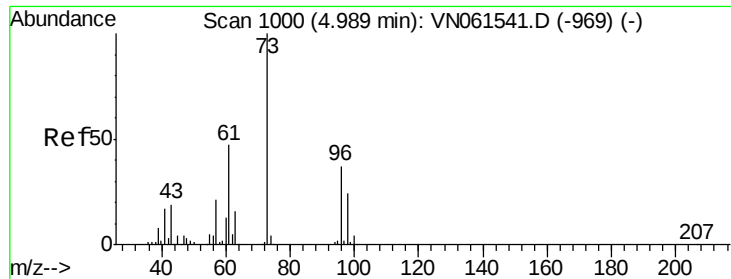
Tot Ion: 76 Resp: 337606  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.8 11.6



#18  
Methyl Acetate  
Concen: 43.981 ug/l  
RT: 4.27 min Scan# 777  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 43 Resp: 173420  
Ion Ratio Lower Upper  
43 100  
74 30.8 23.2 34.8

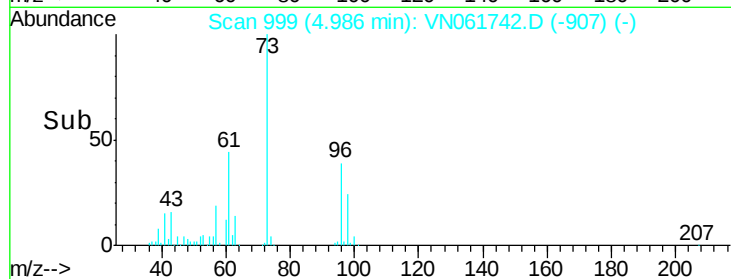
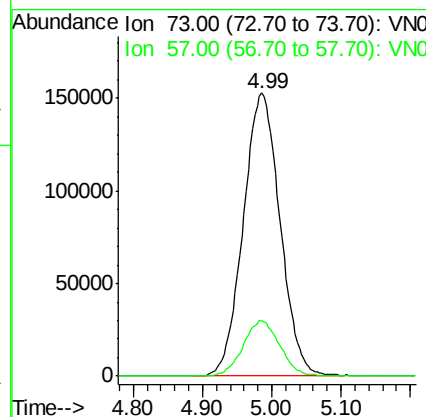
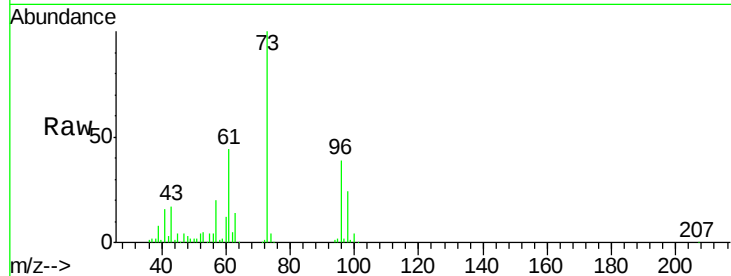




#19  
Methvl tert-butvl Ether  
Concen: 44.284 ug/l  
RT: 4.99 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

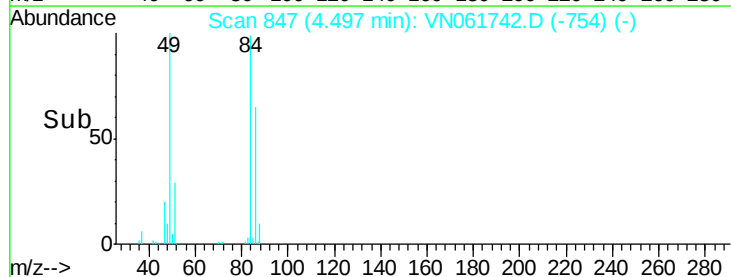
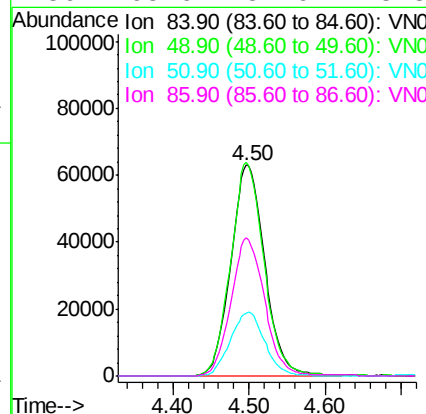
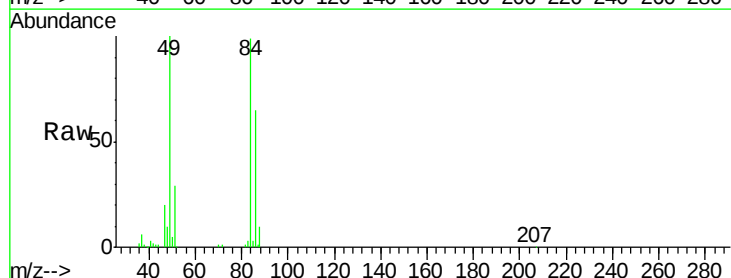
Instrument :  
MSVOA\_N  
ClientSampleId :

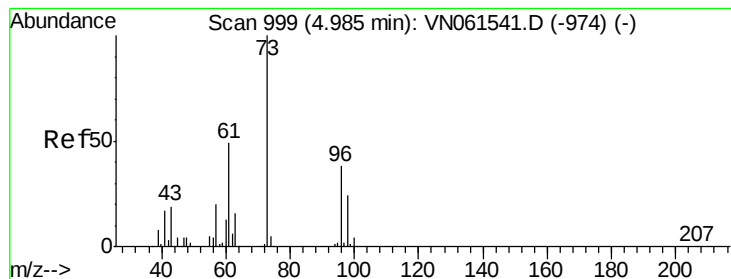
Tot Ion: 73 Resp: 563798  
Ion Ratio Lower Upper  
73 100  
57 19.6 16.4 24.6



#20  
Methylene Chloride  
Concen: 49.435 ug/l  
RT: 4.50 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 84 Resp: 195788  
Ion Ratio Lower Upper  
84 100  
49 101.2 85.8 128.8  
51 29.7 26.2 39.2  
86 65.6 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 45.679 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampled :

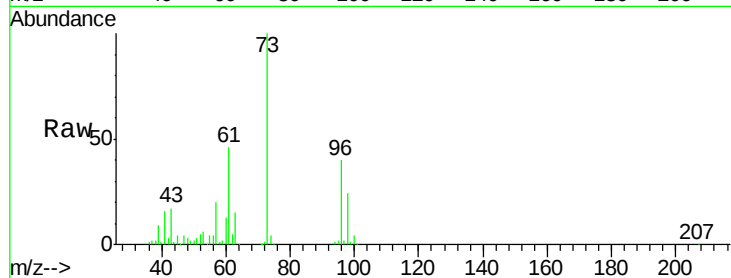
Tot Ion: 96 Resp: 192438

Ion Ratio Lower Upper

96 100

61 114.6 101.4 152.0

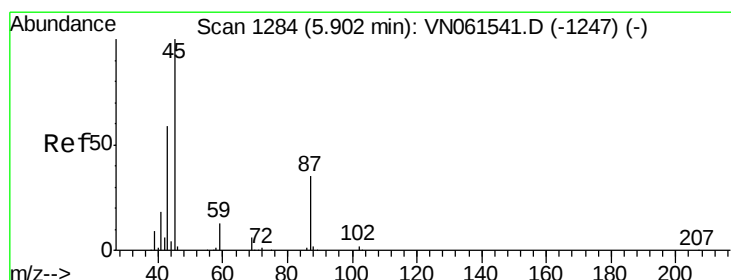
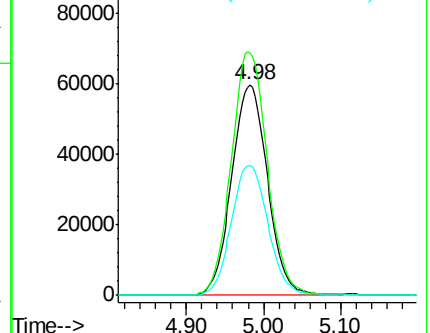
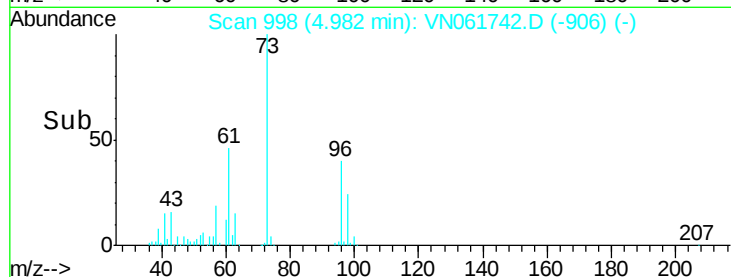
98 61.7 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061742.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN061742.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN061742.D (-906) (-)



#22

Diisopropyl ether

Concen: 44.983 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Tgt Ion: 45 Resp: 484196

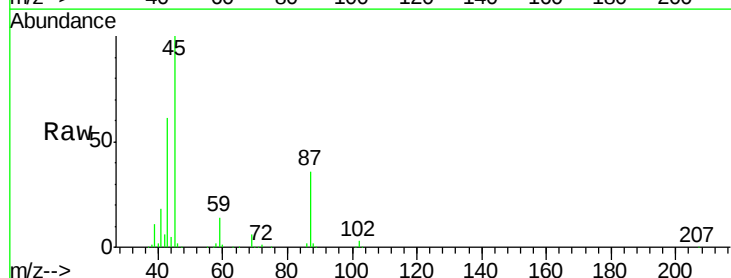
Ion Ratio Lower Upper

45 100

43 59.3 47.9 71.9

87 35.7 28.4 42.6

59 13.6 10.5 15.7

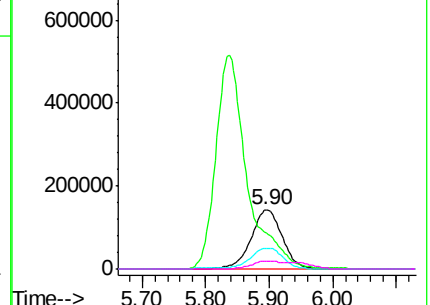
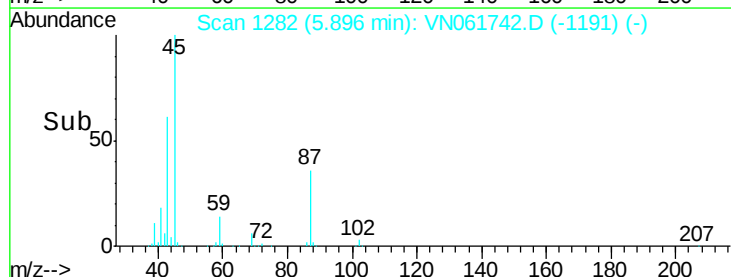


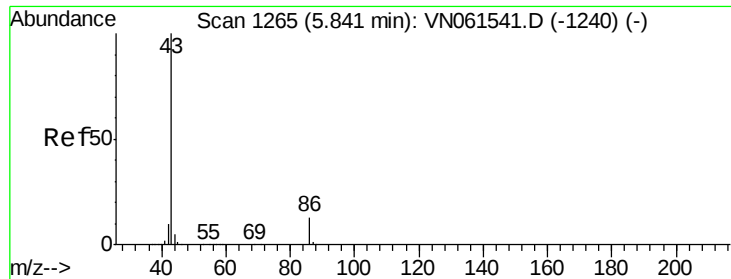
Abundance Ion 45.00 (44.70 to 45.70): VN061742.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061742.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061742.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061742.D (-1191) (-)





#23

Vinyl Acetate

Concen: 205.712 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

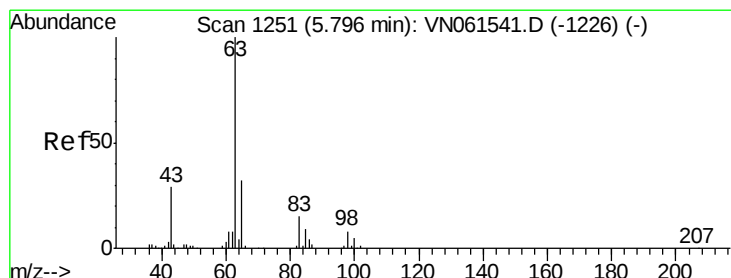
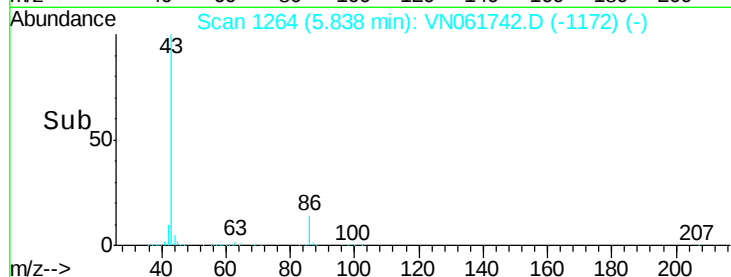
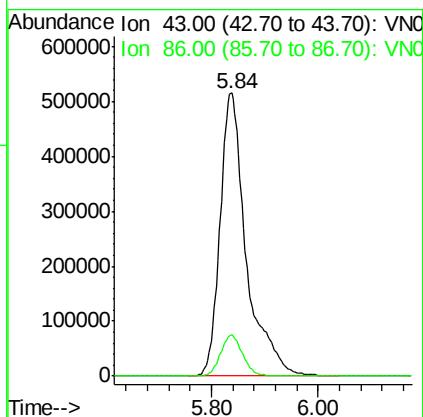
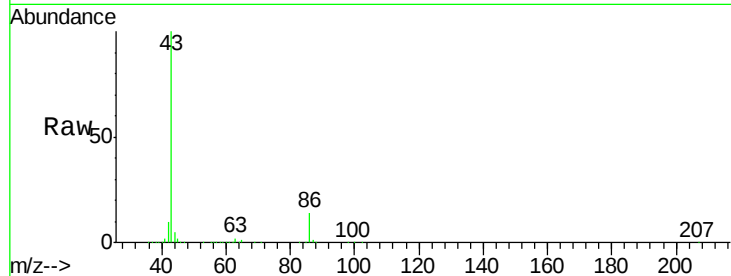
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 1764824

Ion Ratio Lower Upper

43 100

86 14.5 10.6 16.0



#24

1,1-Dichloroethane

Concen: 45.497 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

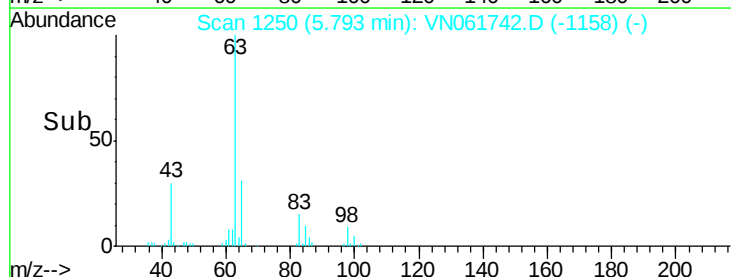
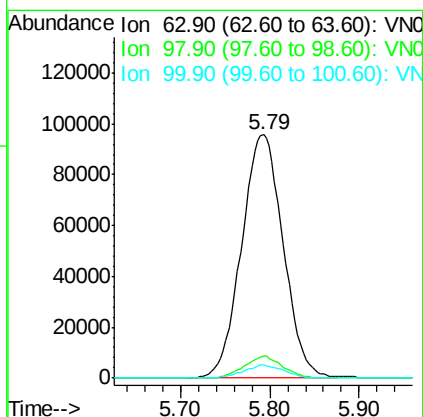
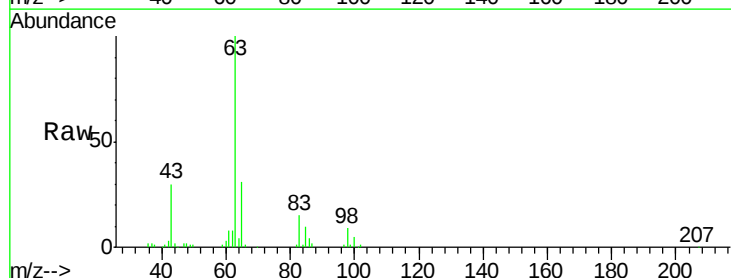
Tgt Ion: 63 Resp: 310548

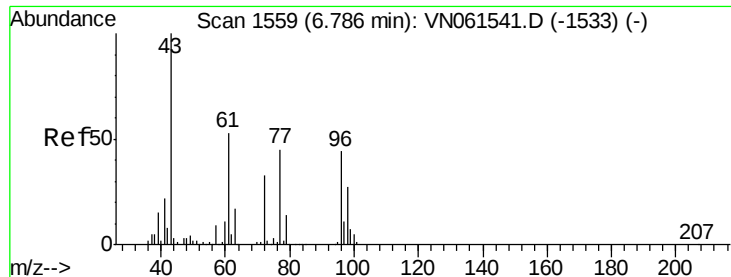
Ion Ratio Lower Upper

63 100

98 9.1 3.8 11.4

100 5.3 2.5 7.6





#25

2-Butanone

Concen: 213.458 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

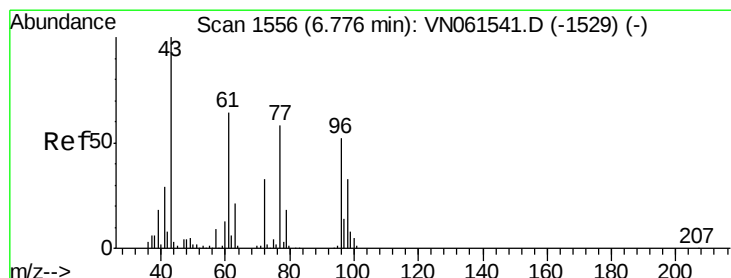
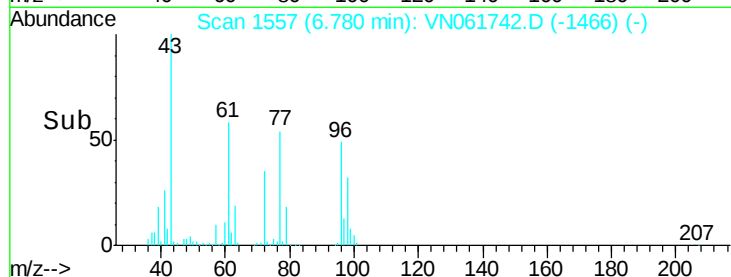
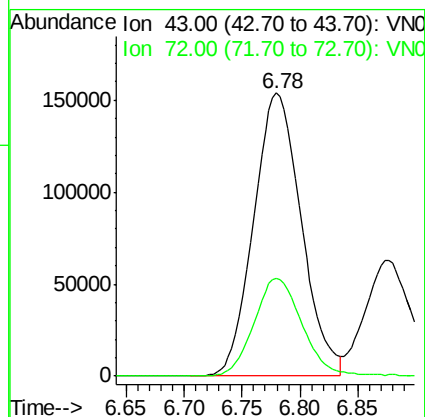
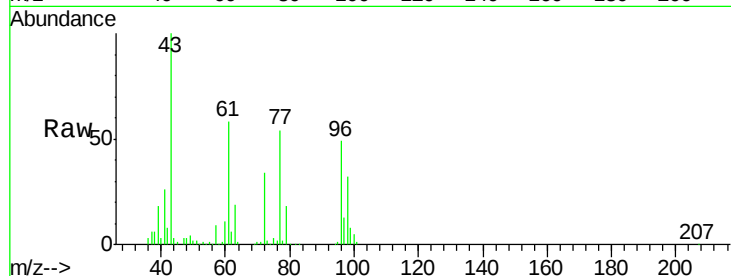
ClientSampled :

Tot Ion: 43 Resp: 440638

Ion Ratio Lower Upper

43 100

72 34.5 26.0 39.0



#26

2,2-Dichloropropane

Concen: 47.526 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN061742.D

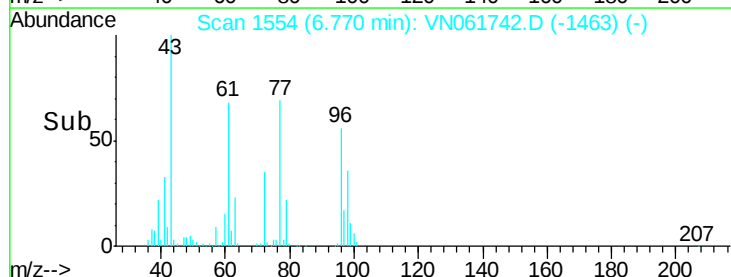
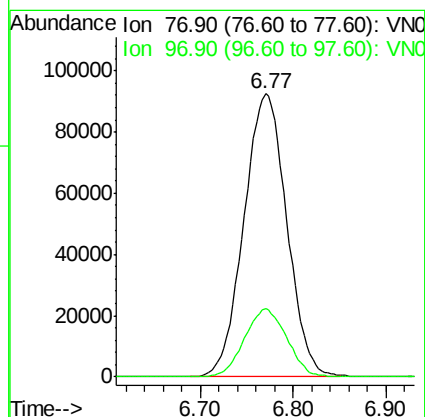
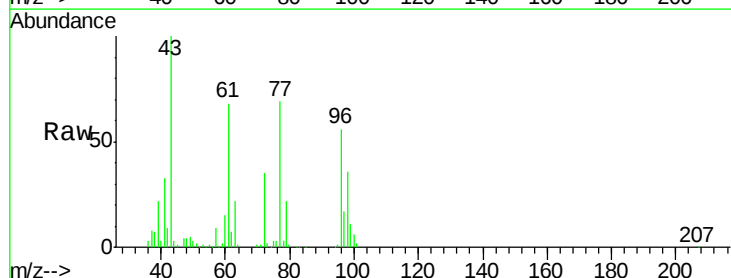
Acq: 11 Jun 2020 12:16

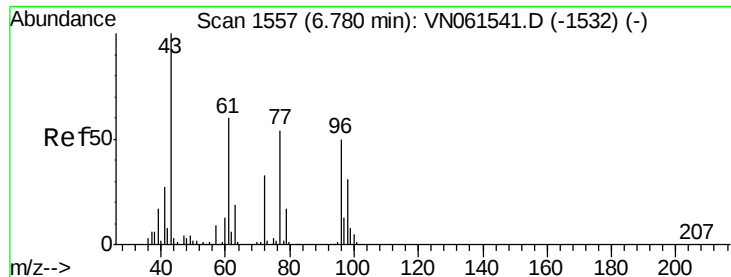
Tgt Ion: 77 Resp: 296907

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 47.951 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :  
MSVOA\_N  
ClientSampled :

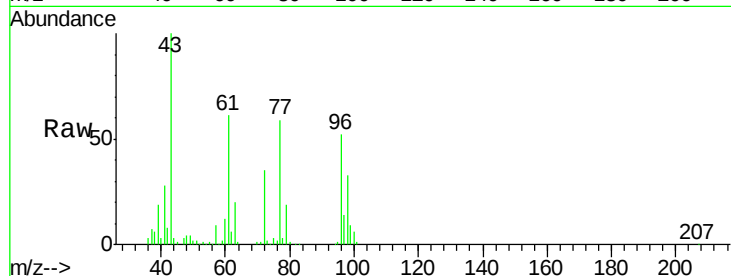
Tot Ion: 96 Resp: 228745

Ion Ratio Lower Upper

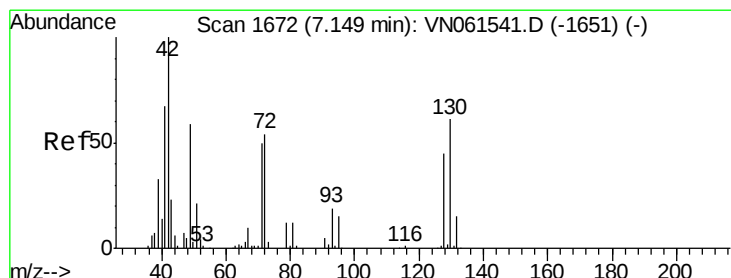
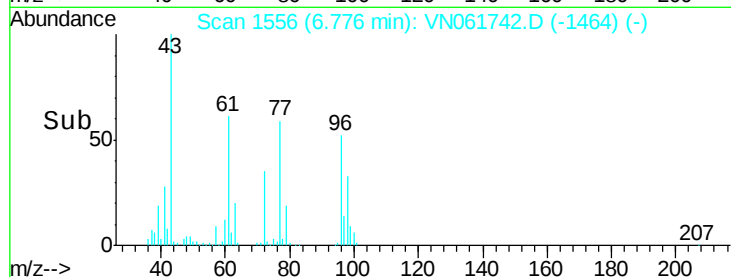
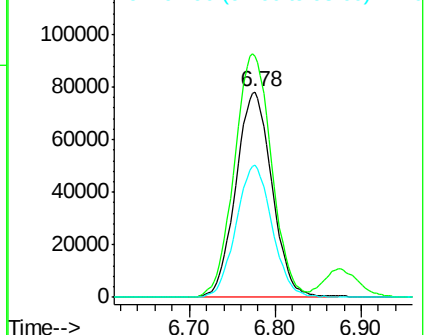
96 100

61 121.7 0.0 252.2

98 64.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 47.598 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

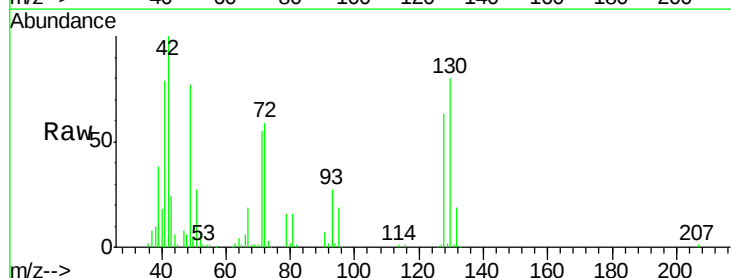
Tgt Ion: 49 Resp: 122136

Ion Ratio Lower Upper

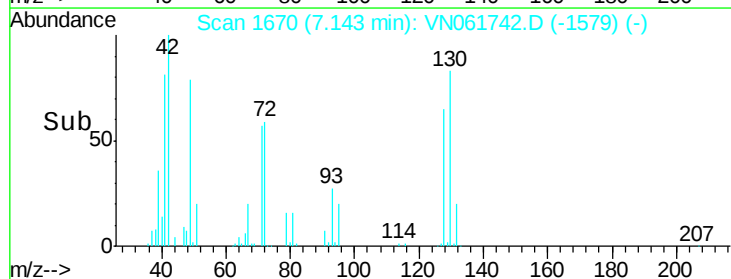
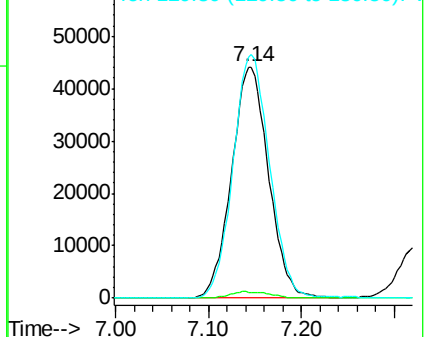
49 100

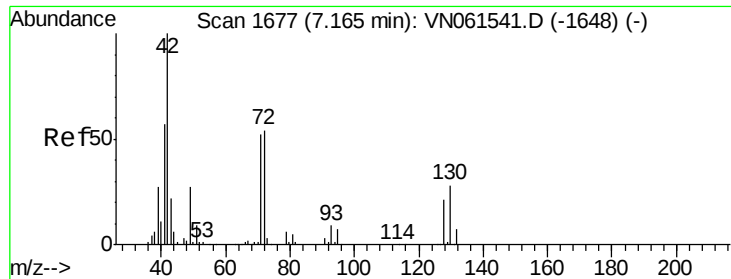
129 2.8 0.0 4.8

130 104.1 78.8 118.2



Abundance Ion 48.90 (48.60 to 49.60): VN0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V

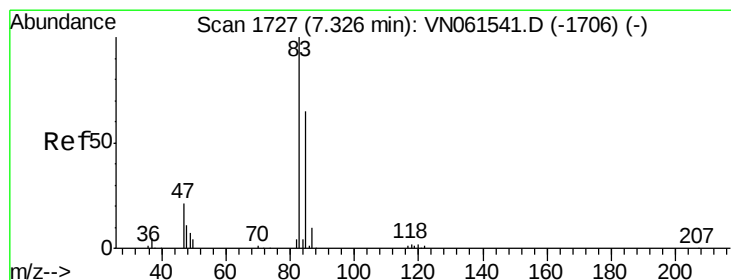
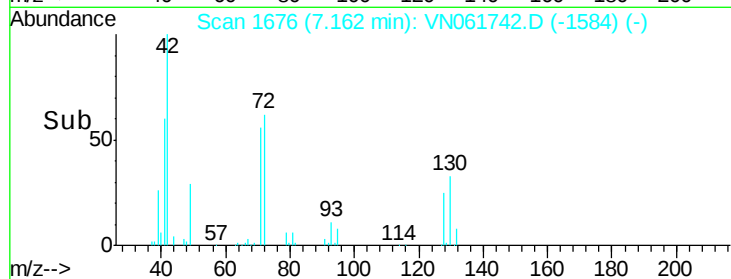
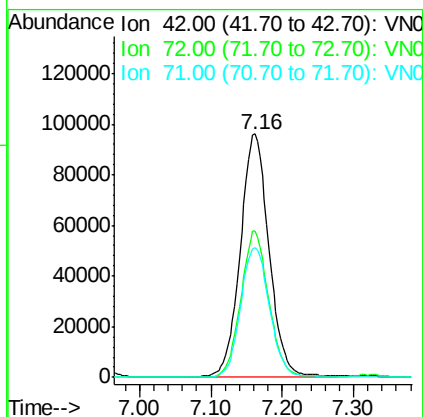
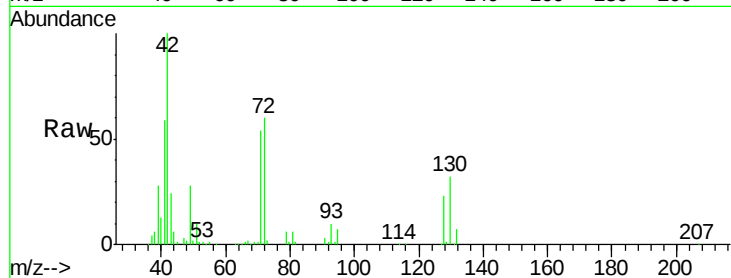




#29  
Tetrahydrofuran  
Concen: 198.708 ug/l  
RT: 7.16 min Scan# 1676  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

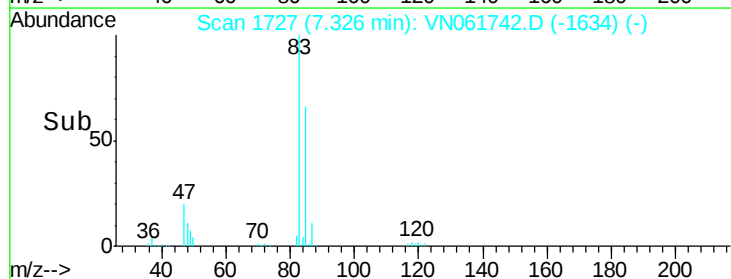
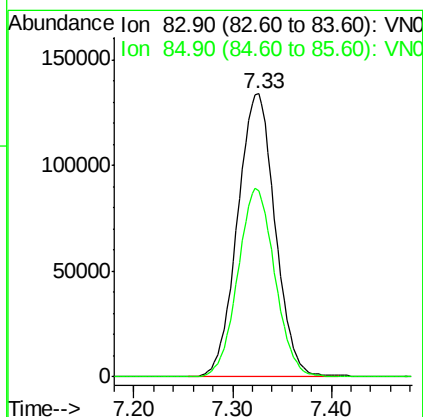
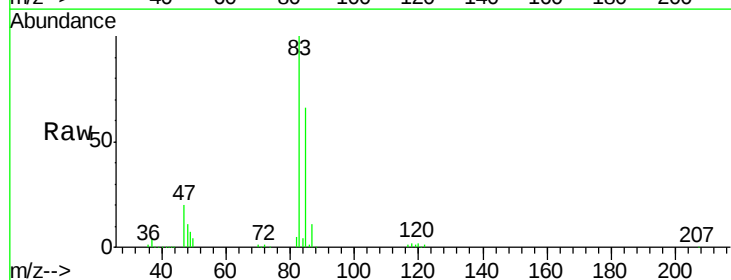
Instrument :  
MSVOA\_N  
ClientSampleId :

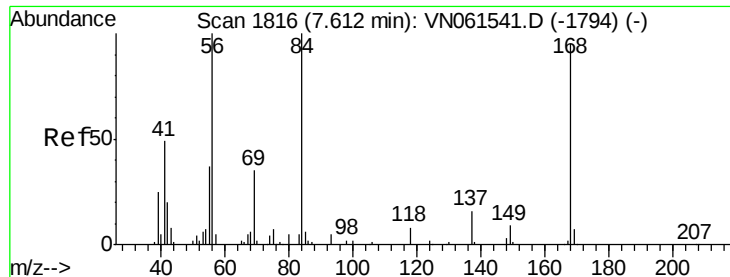
Tot Ion: 42 Resp: 270486  
Ion Ratio Lower Upper  
42 100  
72 58.3 43.6 65.4  
71 53.2 41.2 61.8



#30  
Chloroform  
Concen: 46.809 ug/l  
RT: 7.33 min Scan# 1727  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 83 Resp: 353466  
Ion Ratio Lower Upper  
83 100  
85 65.8 51.7 77.5

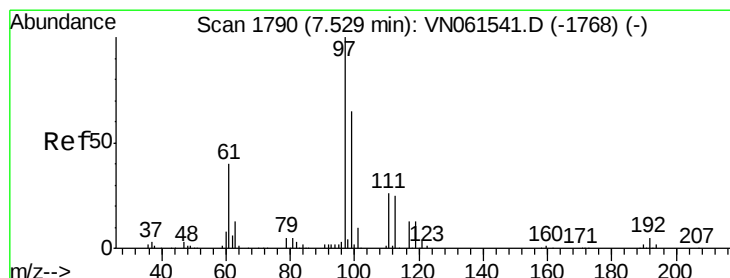
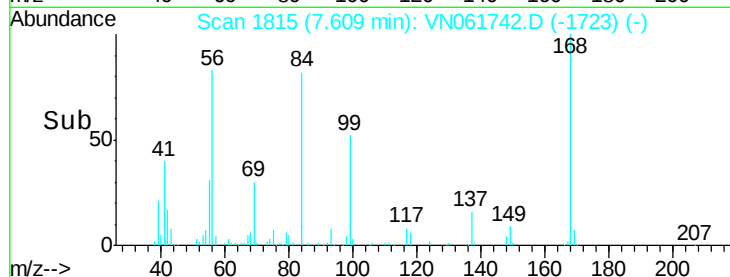
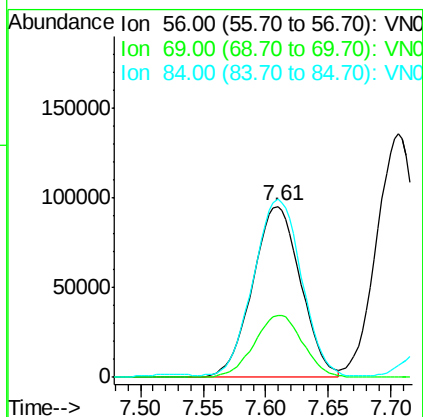
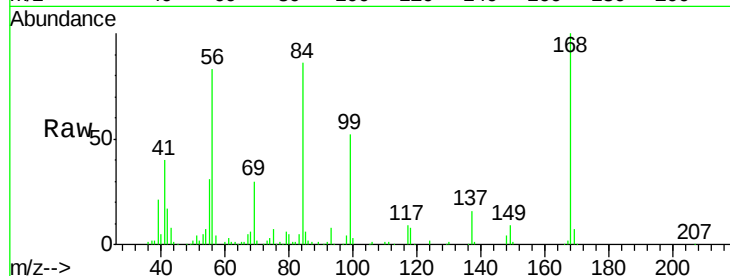




#31  
Cyclohexane  
Concen: 41.419 ug/l  
RT: 7.61 min Scan# 1815  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

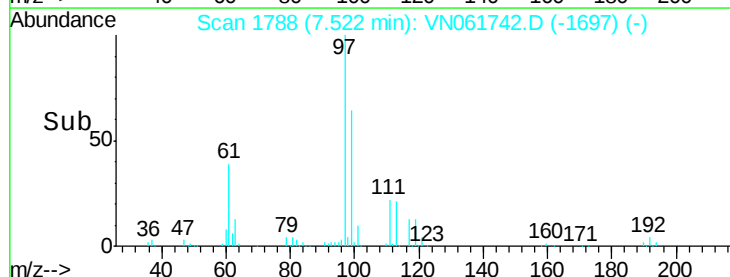
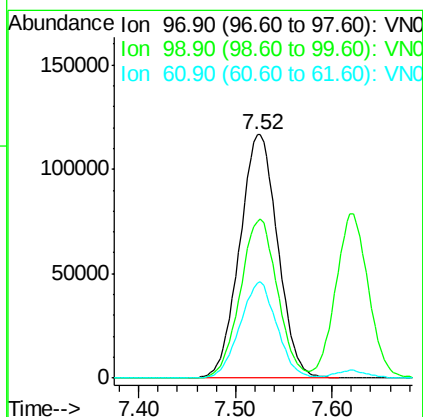
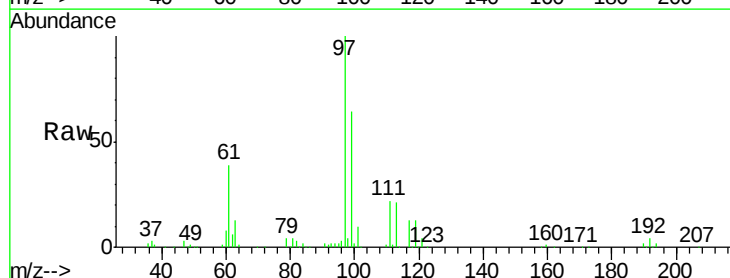
Instrument :  
MSVOA\_N  
ClientSampled :

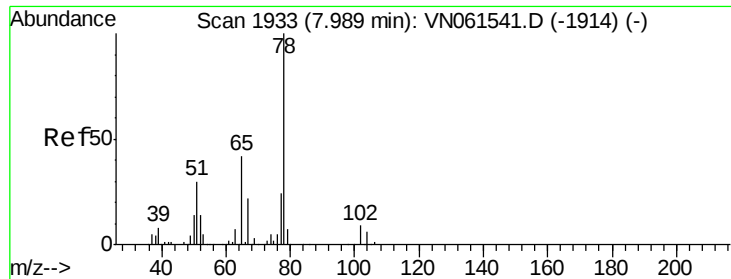
Tot Ion: 56 Resp: 254257  
Ion Ratio Lower Upper  
56 100  
69 36.6 27.8 41.8  
84 102.6 79.9 119.9



#32  
1,1,1-Trichloroethane  
Concen: 46.314 ug/l  
RT: 7.52 min Scan# 1788  
Delta R.T. -0.01 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 97 Resp: 318671  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.4 77.0  
61 38.2 31.4 47.0

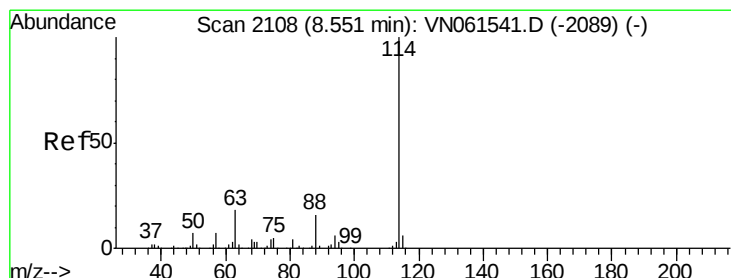
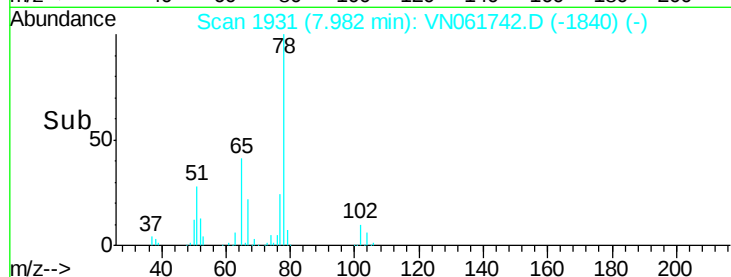
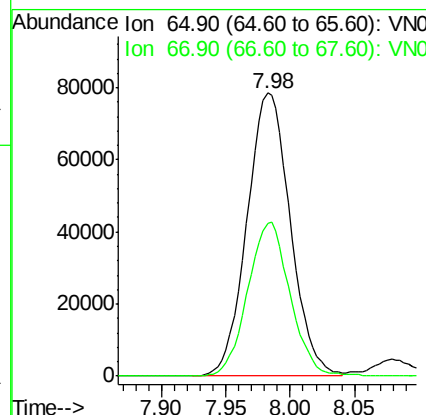
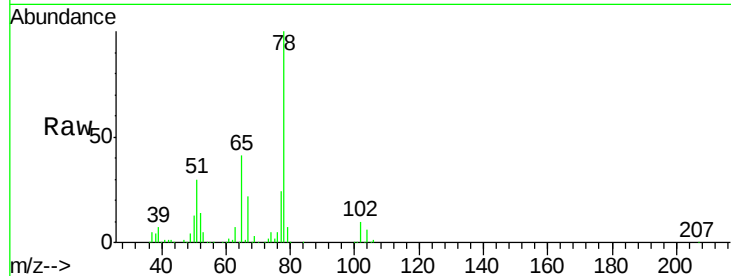




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.230 ug/l  
 RT: 7.98 min Scan# 1931  
 Delta R.T. -0.01 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

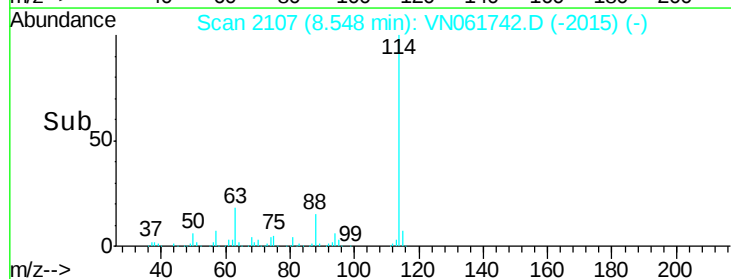
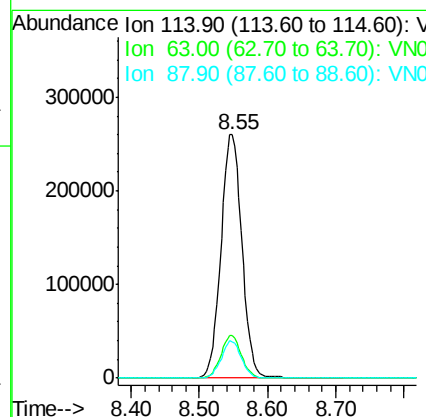
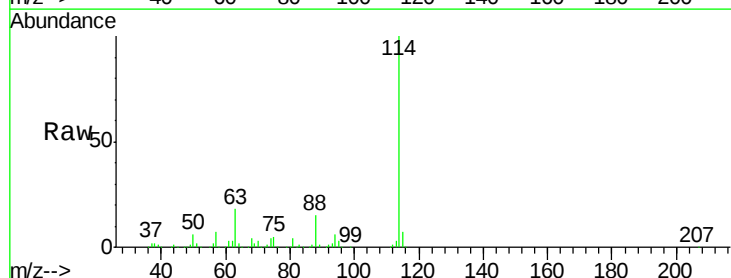
Instrument :  
 MSVOA\_N  
 ClientSampleId :

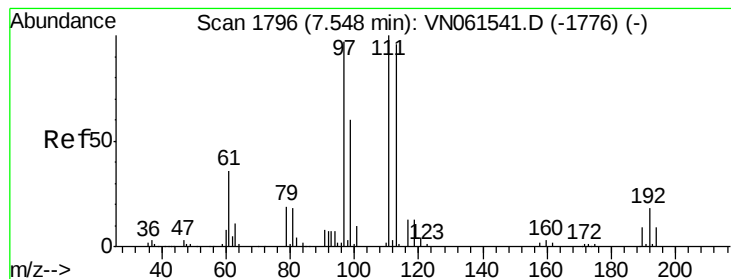
Tot Ion: 65 Resp: 183939  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

Tgt Ion: 114 Resp: 554792  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 35.8  
 88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.307 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :  
MSVOA\_N  
ClientSampled :

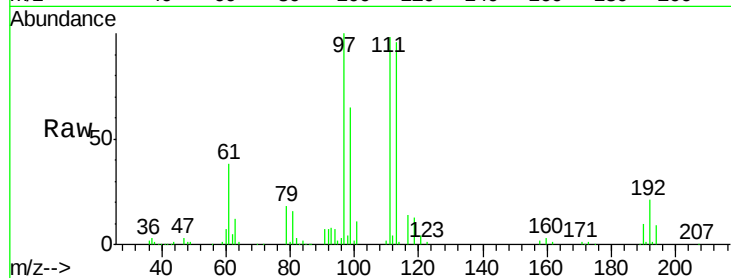
Tot Ion:113 Resp: 144397

Ion Ratio Lower Upper

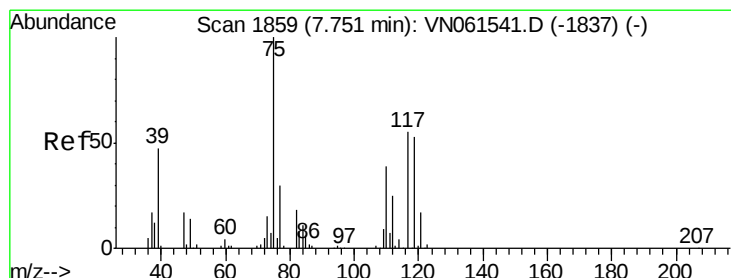
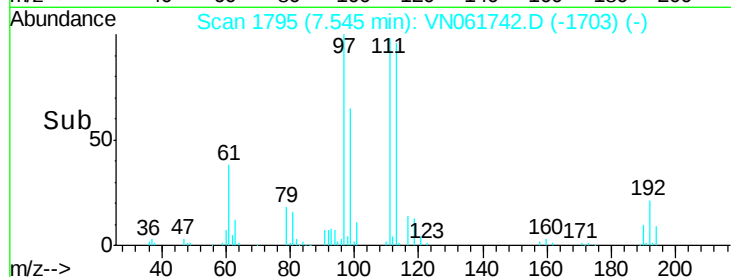
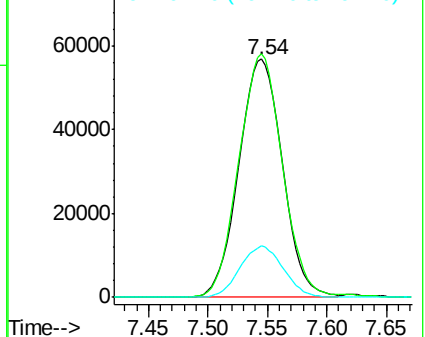
113 100

111 101.8 83.4 125.0

192 21.4 15.4 23.2



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



#36

1,1-Dichloropropene

Concen: 50.655 ug/l

RT: 7.75 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

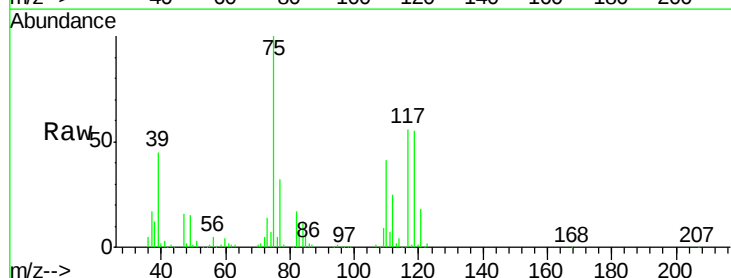
Tgt Ion: 75 Resp: 248784

Ion Ratio Lower Upper

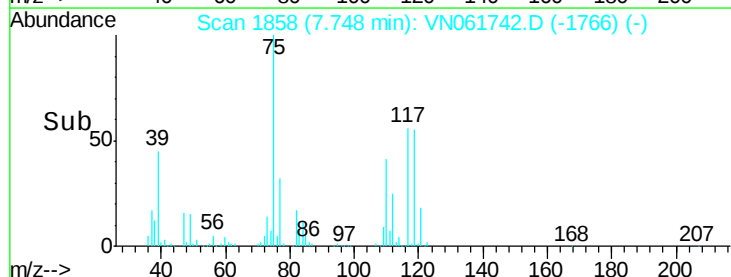
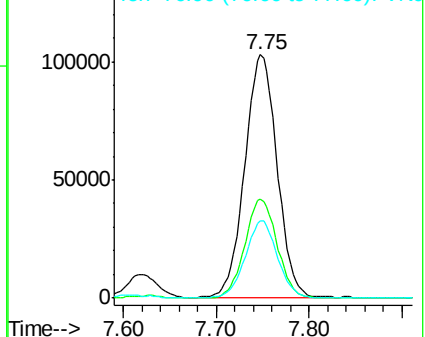
75 100

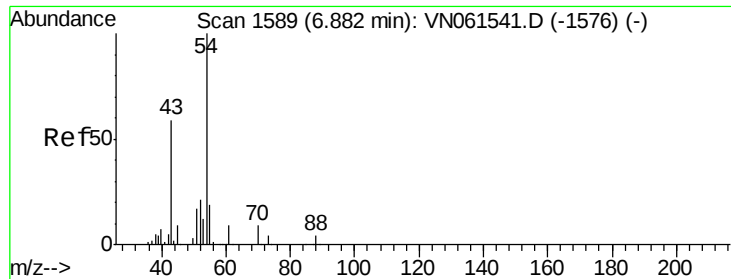
110 40.6 19.5 58.5

77 31.8 24.7 37.1



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

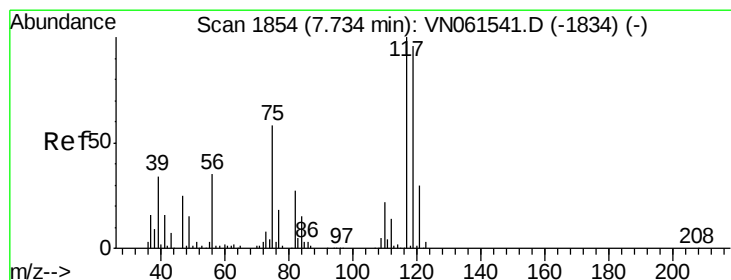
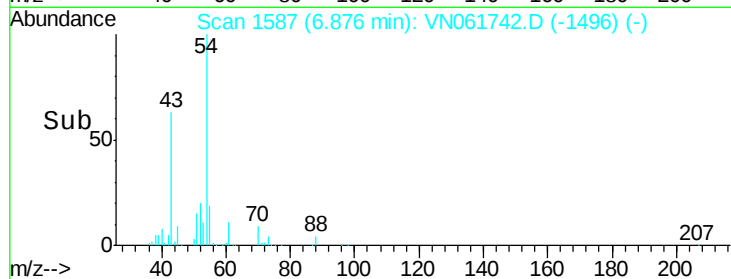
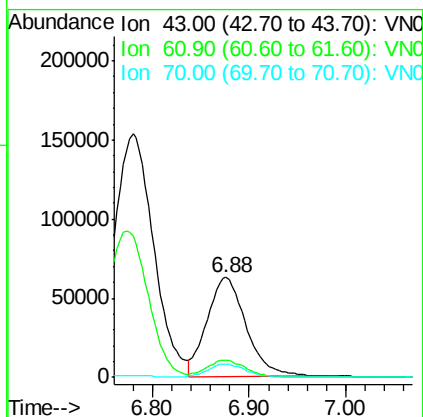
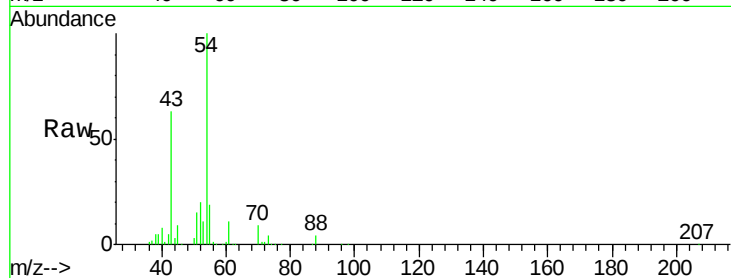




#37  
Ethyl Acetate  
Concen: 44.537 ug/l  
RT: 6.88 min Scan# 1587  
Delta R.T. -0.01 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

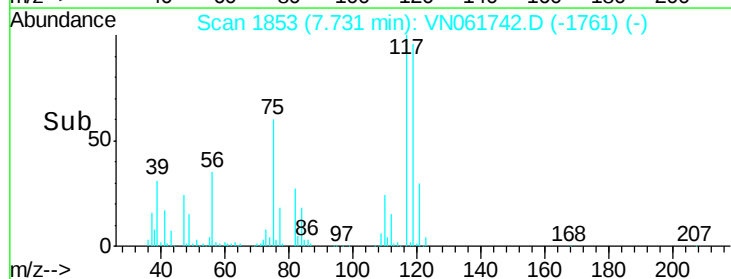
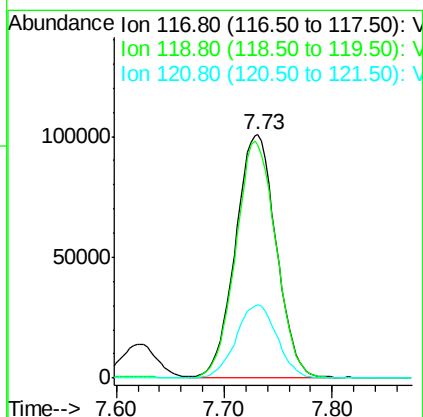
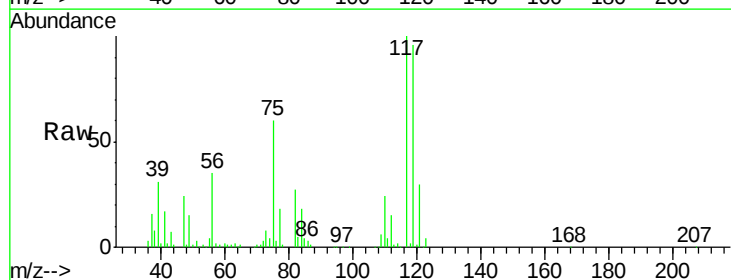
Instrument :  
MSVOA\_N  
ClientSampleId :

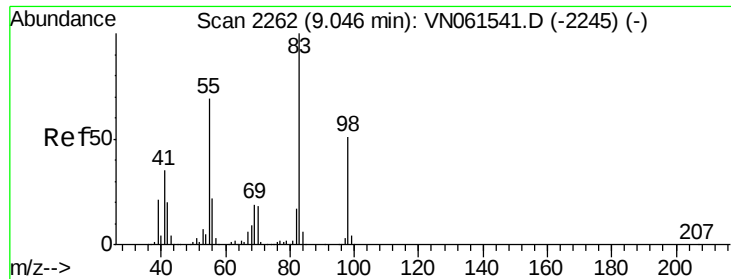
Tot Ion: 43 Resp: 176177  
Ion Ratio Lower Upper  
43 100  
61 17.2 12.2 18.4  
70 13.1 9.4 14.2



#38  
Carbon Tetrachloride  
Concen: 55.535 ug/l  
RT: 7.73 min Scan# 1853  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 117 Resp: 263091  
Ion Ratio Lower Upper  
117 100  
119 96.3 76.5 114.7  
121 30.4 24.1 36.1

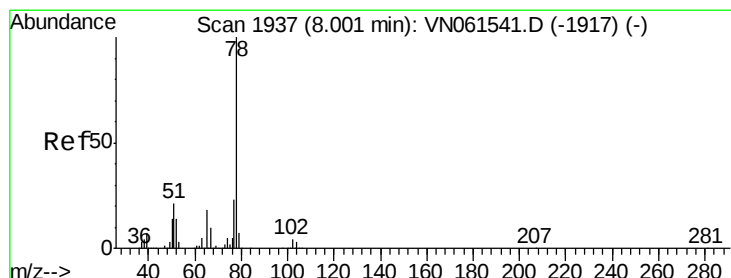
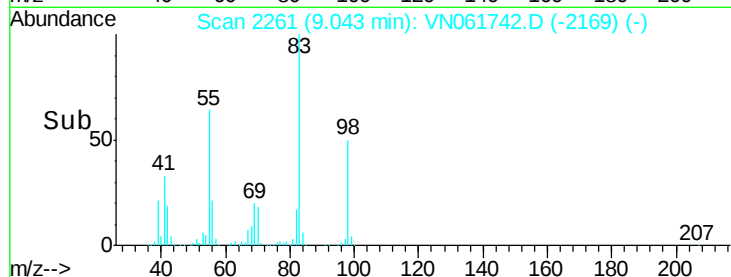
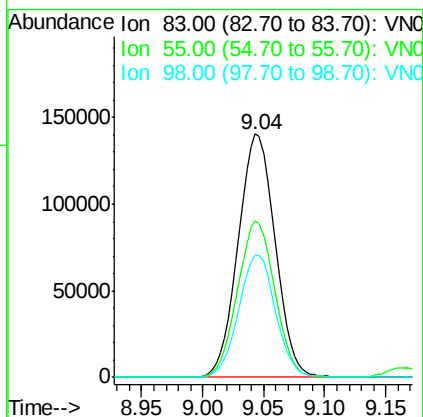
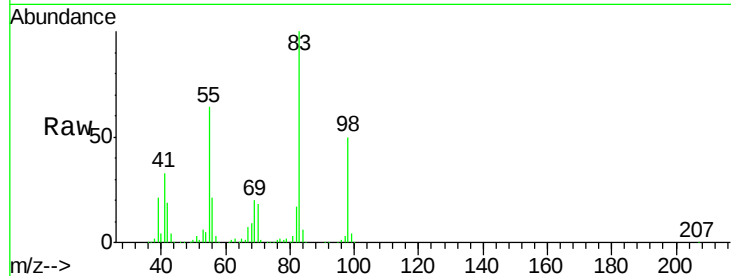




#39  
Methvlcvclohexane  
Concen: 48.692 ug/l  
RT: 9.04 min Scan# 2261  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

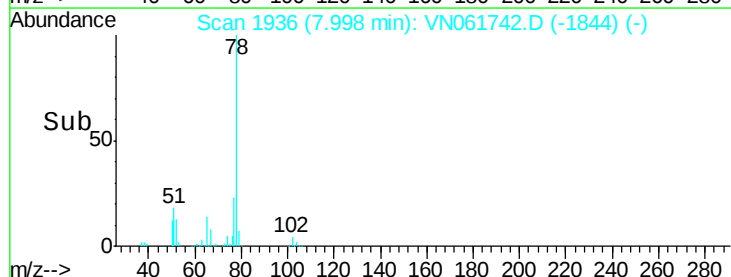
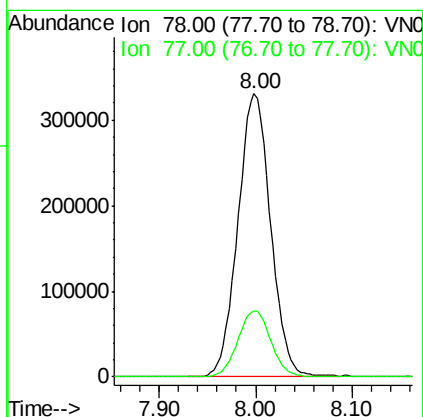
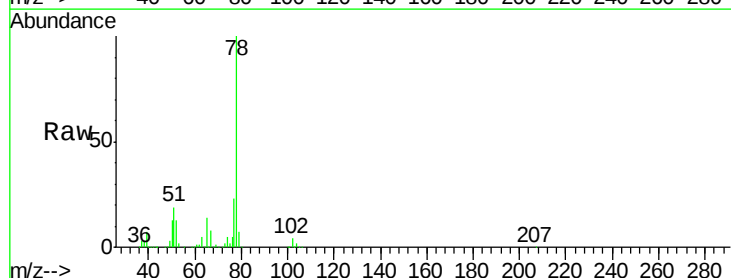
Instrument :  
MSVOA\_N  
ClientSampled :

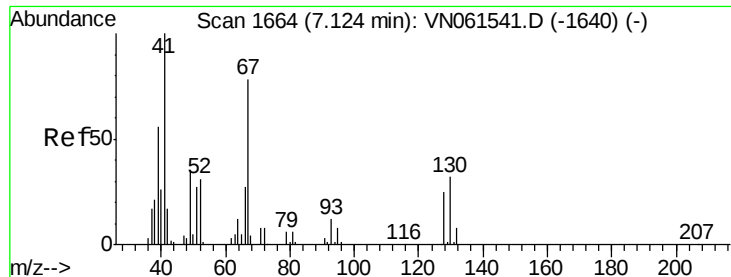
| Tot Ion | 83    | Resp  | 294764 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 64.3  | 54.9  | 82.3   |
| 98      | 49.9  | 41.0  | 61.4   |



#40  
Benzene  
Concen: 51.358 ug/l  
RT: 8.00 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

| Tgt Ion | 78    | Resp  | 778268 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 23.4  | 18.6  | 28.0   |

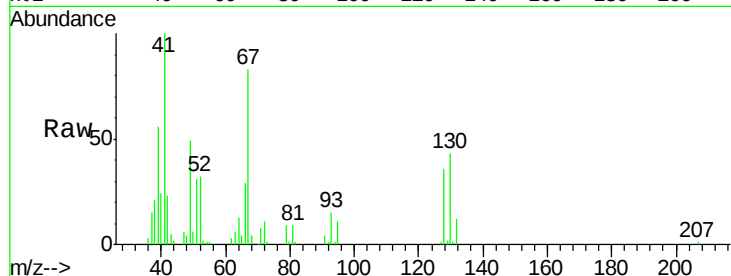




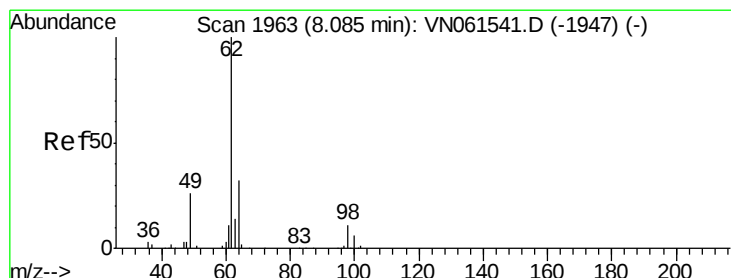
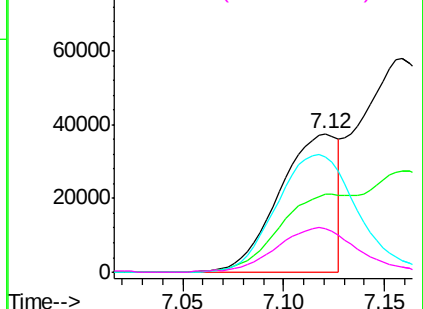
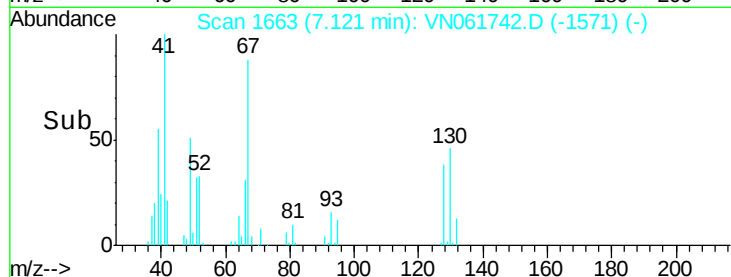
#41  
Methacrylonitrile  
Concen: 41.911 ug/l  
RT: 7.12 min Scan# 1663  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 41 Resp: 75958  
Ion Ratio Lower Upper  
41 100  
39 67.1 53.8 80.6  
67 116.9 91.1 136.7  
52 45.3 36.0 54.0

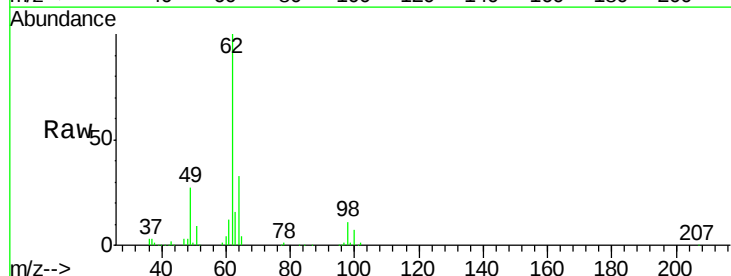


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC  
Ion 67.00 (66.70 to 67.70): VNC  
Ion 52.00 (51.70 to 52.70): VNC

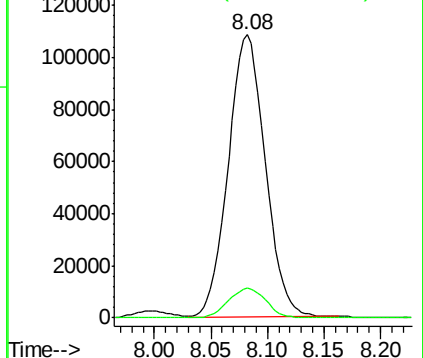
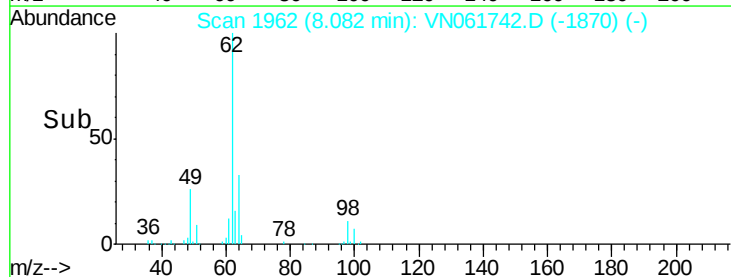


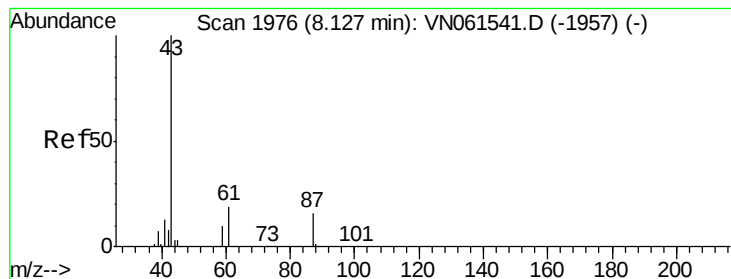
#42  
1,2-Dichloroethane  
Concen: 48.724 ug/l  
RT: 8.08 min Scan# 1962  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 62 Resp: 247191  
Ion Ratio Lower Upper  
62 100  
98 10.8 0.0 21.4



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



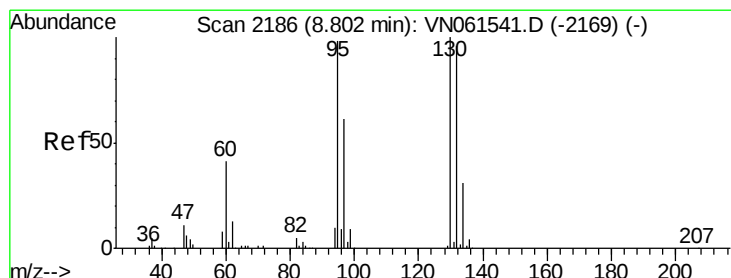
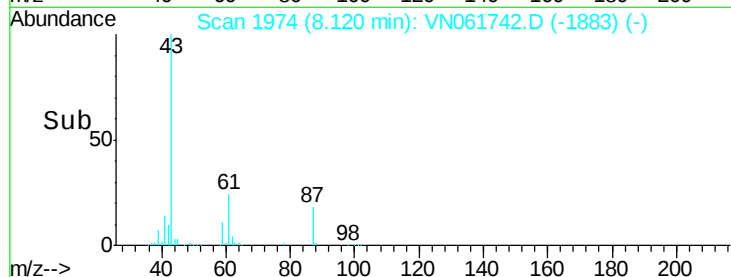
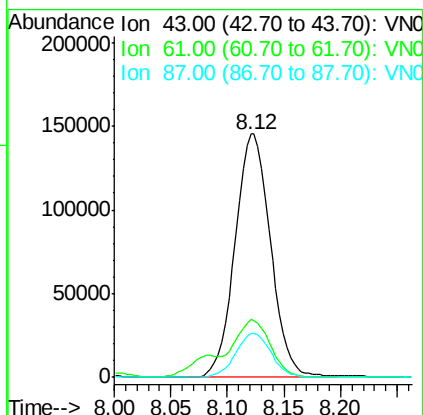
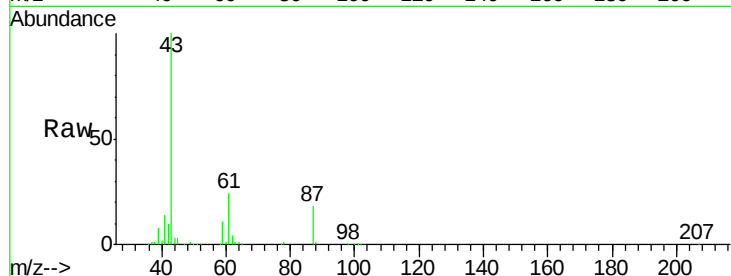


#43

Isopropyl Acetate  
 Concen: 44.519 ug/l  
 RT: 8.12 min Scan# 1974  
 Delta R.T. -0.01 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

Instrument :  
 MSVOA\_N  
 ClientSampleId :

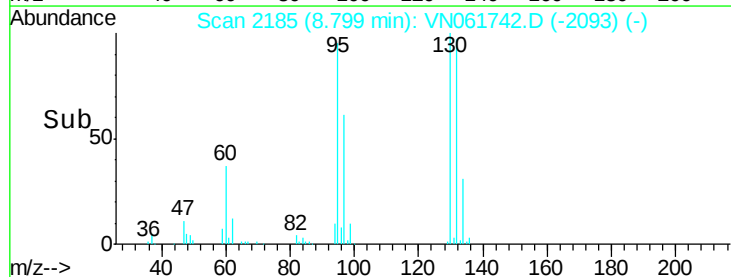
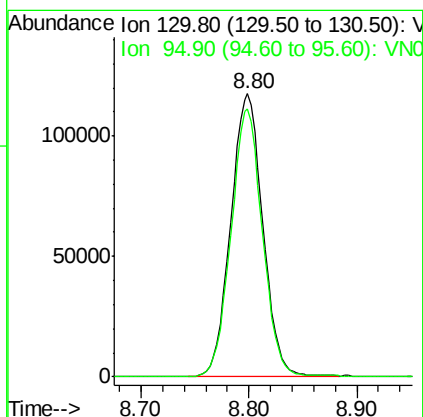
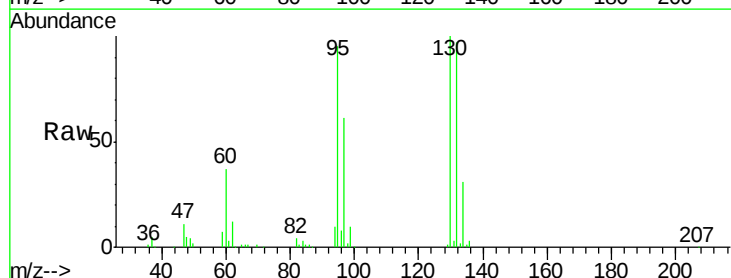
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 23.6  | 23.6  | 35.4  |
| 87      | 17.9  | 13.0  | 19.6  |



#44

Trichloroethene  
 Concen: 52.264 ug/l  
 RT: 8.80 min Scan# 2185  
 Delta R.T. -0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.9  | 0.0   | 196.6 |





#45

1,2-Dichloropropane

Concen: 52.302 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

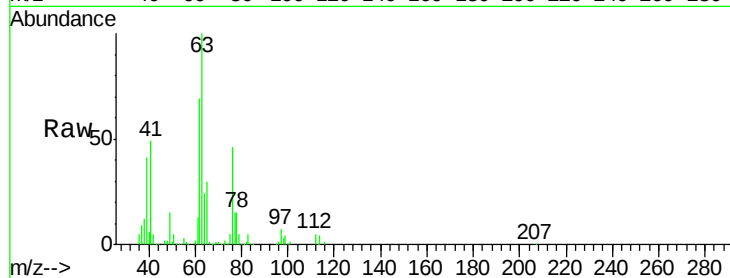
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 63 Resp: 188202

Ion Ratio Lower Upper

63 100

65 29.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061742.D (-2250) (-)

Ion 64.90 (64.60 to 65.60): VN061742.D (-2250) (-)

9.08

100000

80000

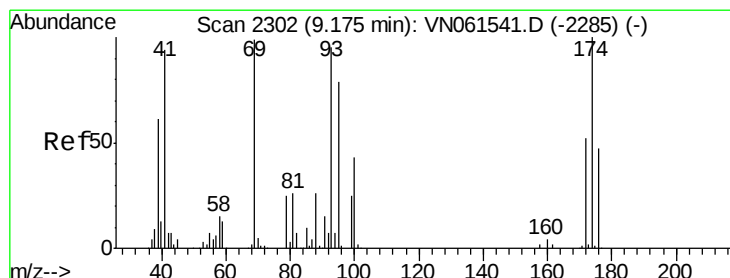
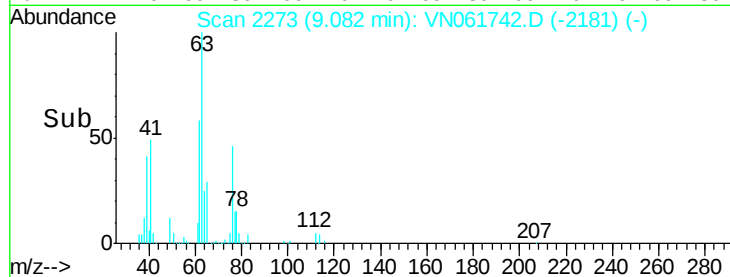
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 50.445 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

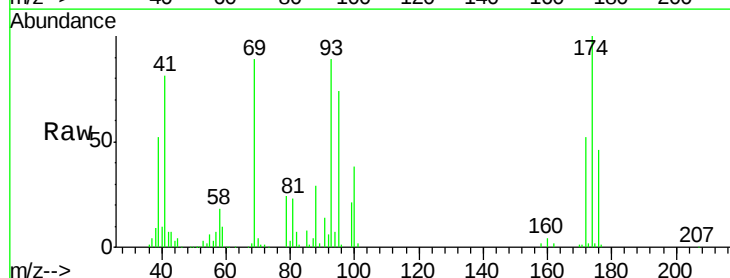
Tgt Ion: 93 Resp: 139214

Ion Ratio Lower Upper

93 100

95 83.5 66.0 99.0

174 112.2 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN061742.D (-2285) (-)

Ion 94.80 (94.50 to 95.50): VN061742.D (-2285) (-)

Ion 173.70 (173.40 to 174.40): VN061742.D (-2285) (-)

9.17

100000

80000

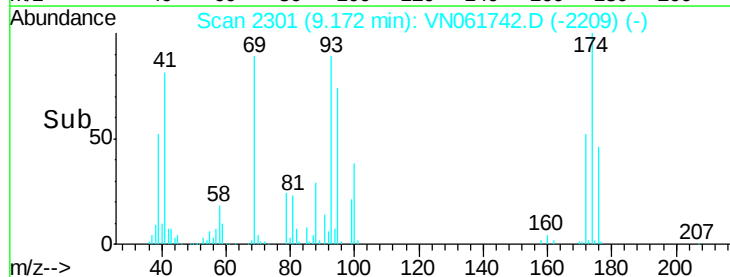
60000

40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.224 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampled :

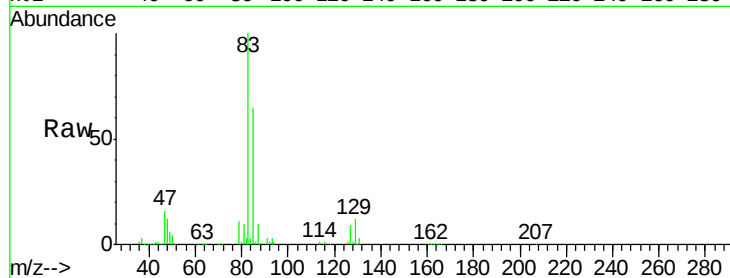
Tot Ion: 83 Resp: 285541

Ion Ratio Lower Upper

83 100

85 65.4 51.1 76.7

127 9.3 7.2 10.8

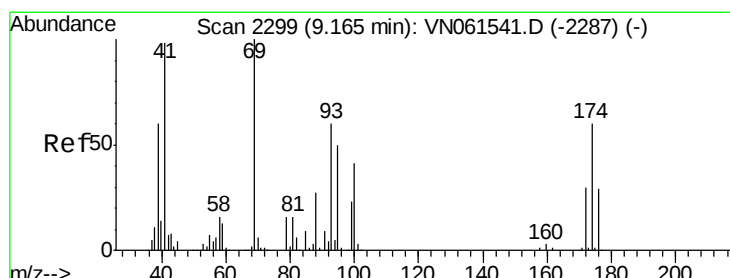
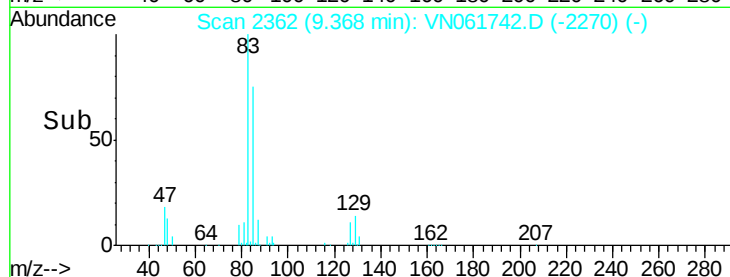


Abundance Ion 82.90 (82.60 to 83.60): VN061742.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061742.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061742.D (-2270) (-)

Time-->



#48

Methyl methacrylate

Concen: 43.326 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

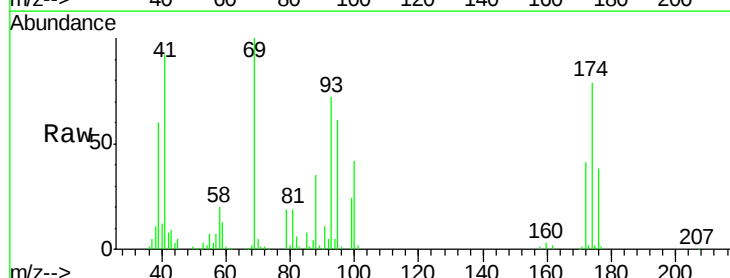
Tgt Ion: 41 Resp: 138728

Ion Ratio Lower Upper

41 100

69 111.9 83.9 125.9

39 67.0 52.1 78.1

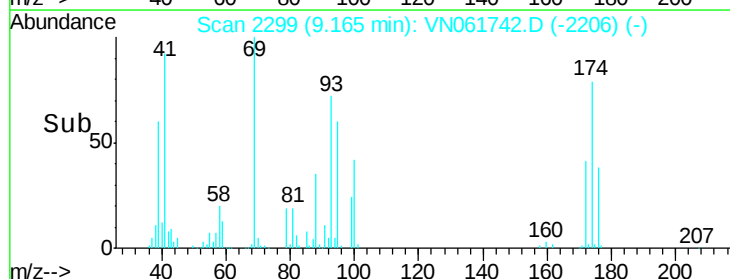


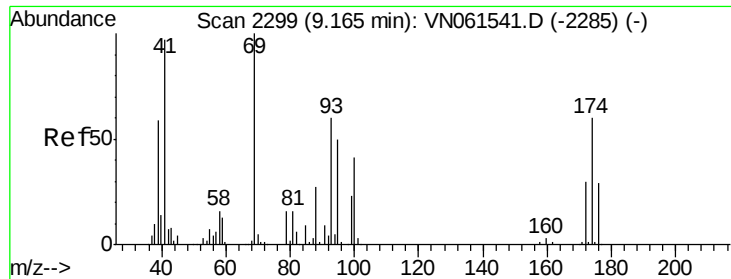
Abundance Ion 41.00 (40.70 to 41.70): VN061742.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061742.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061742.D (-2206) (-)

Time-->

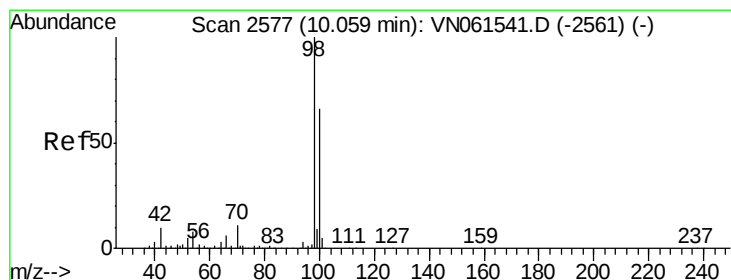
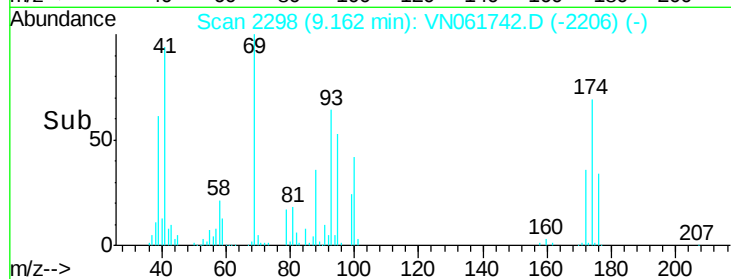
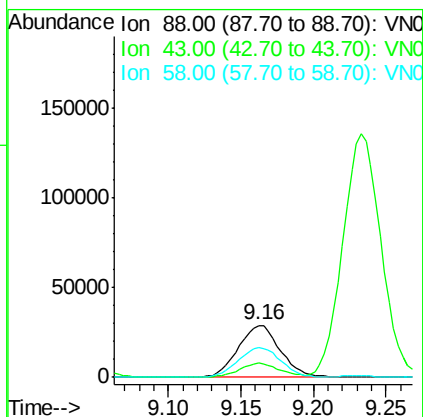
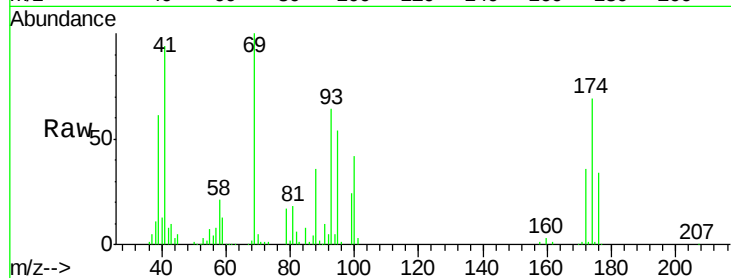




#49  
 1,4-Dioxane  
 Concen: 1179.051 ug/l  
 RT: 9.16 min Scan# 2298  
 Delta R.T. -0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

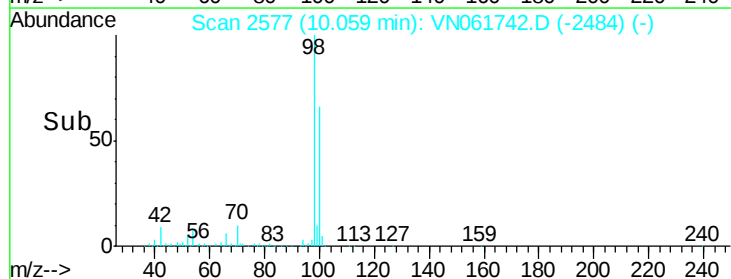
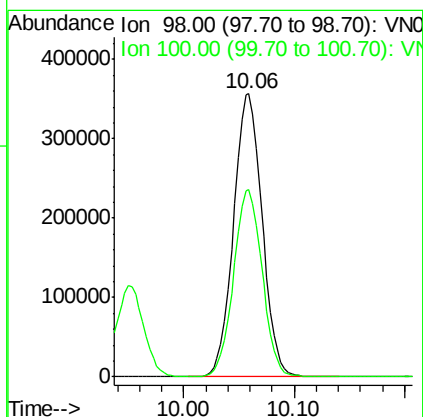
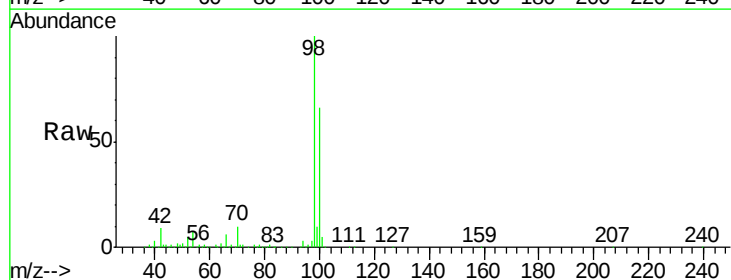
Instrument :  
 MSVOA\_N  
 ClientSampled :

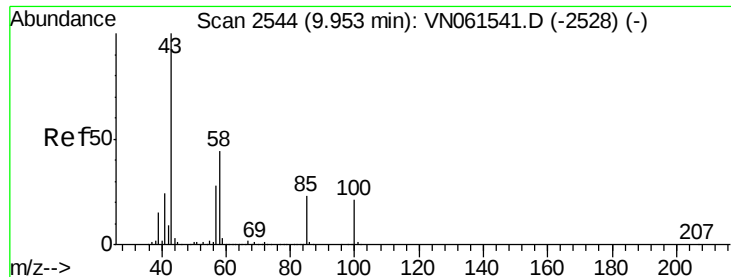
Tot Ion: 88 Resp: 58486  
 Ion Ratio Lower Upper  
 88 100  
 43 26.0 23.1 34.7  
 58 58.9 48.3 72.5



#50  
 Toluene-d8  
 Concen: 49.298 ug/l  
 RT: 10.06 min Scan# 2577  
 Delta R.T. 0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

Tgt Ion: 98 Resp: 642946  
 Ion Ratio Lower Upper  
 98 100  
 100 65.9 52.8 79.2

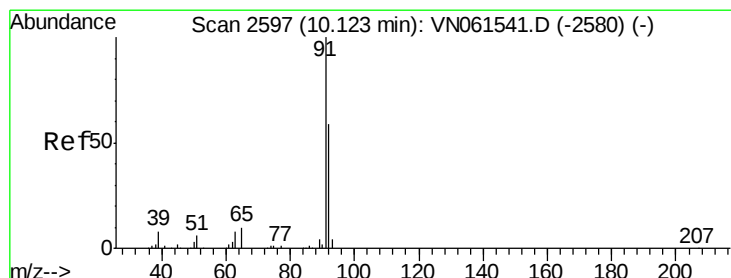
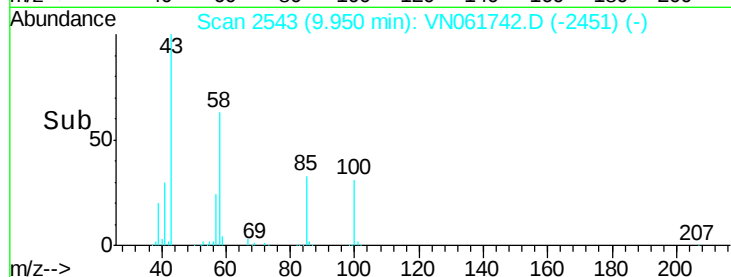
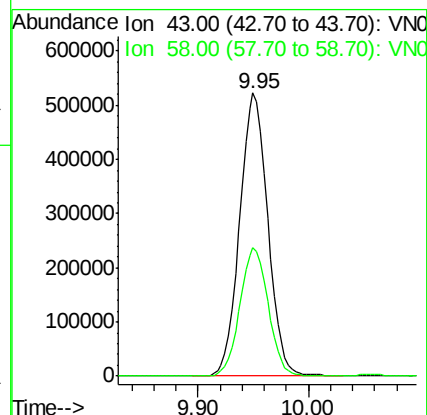
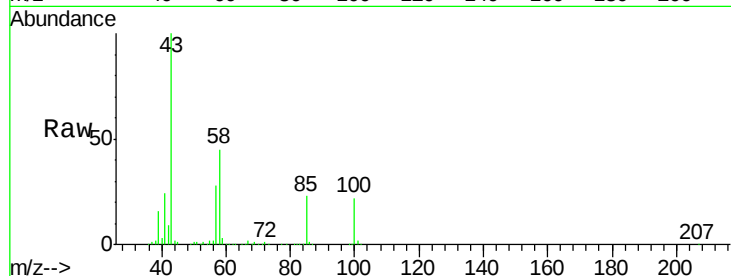




#51  
4-Methyl-2-Pentanone  
Concen: 230.377 ug/l  
RT: 9.95 min Scan# 2543  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

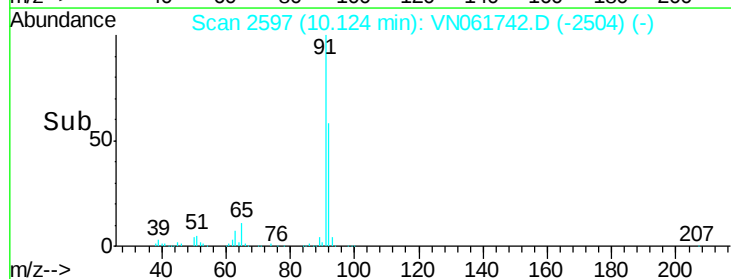
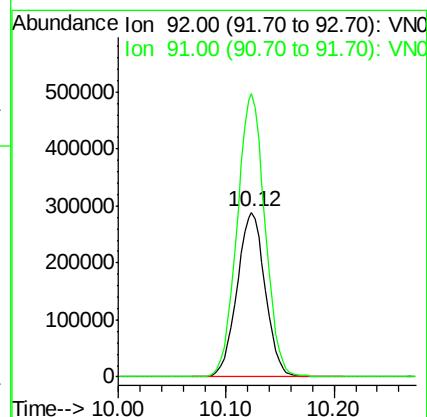
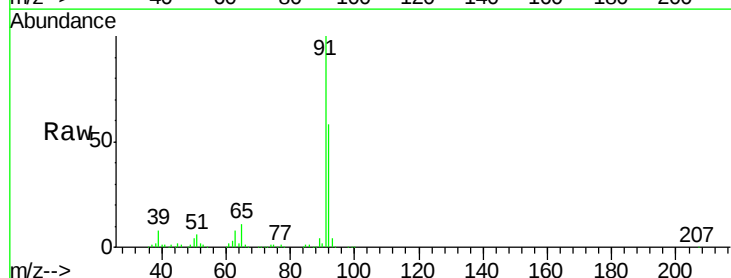
Instrument :  
MSVOA\_N  
ClientSampled :

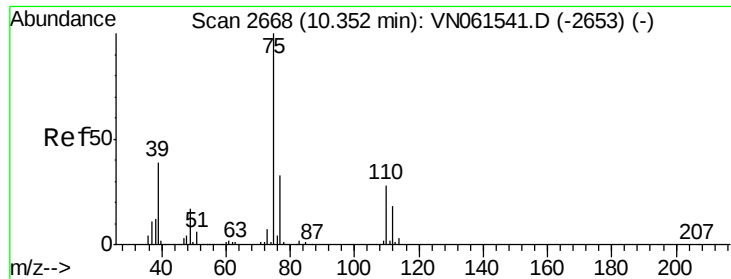
Tot Ion: 43 Resp: 923936  
Ion Ratio Lower Upper  
43 100  
58 45.7 35.0 52.6



#52  
Toluene  
Concen: 53.098 ug/l  
RT: 10.12 min Scan# 2597  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 92 Resp: 525171  
Ion Ratio Lower Upper  
92 100  
91 170.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 51.878 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

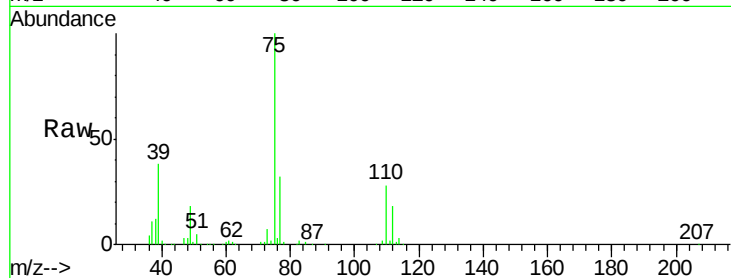
ClientSampleId :

Tot Ion: 75 Resp: 305566

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

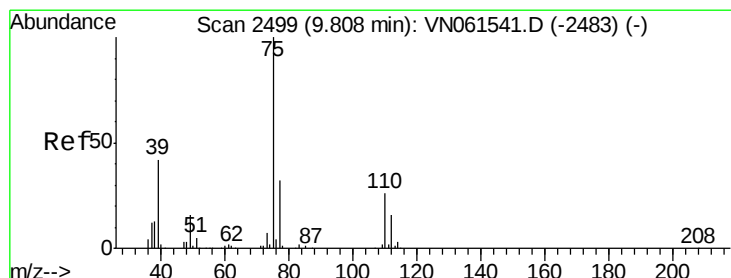
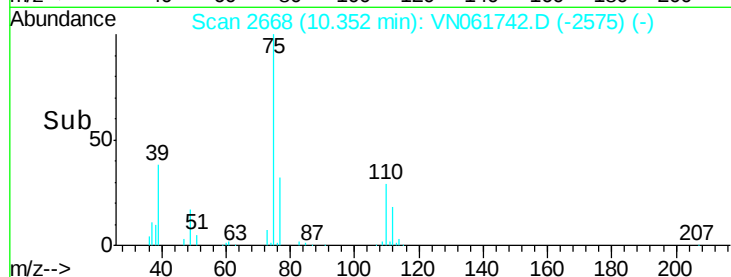
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.414 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

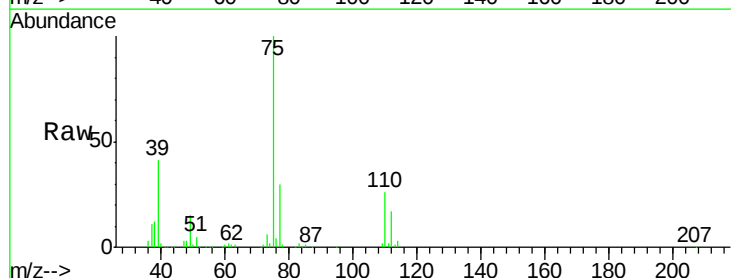
Tgt Ion: 75 Resp: 331949

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2

39 40.6 33.8 50.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

250000

200000

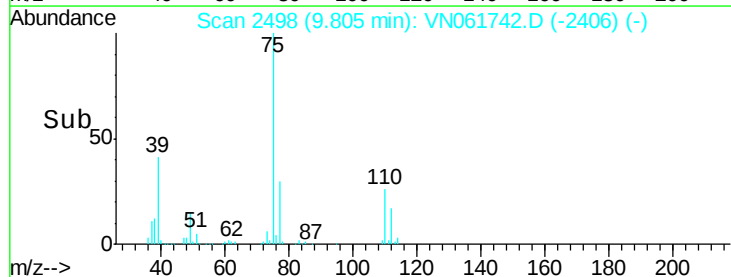
150000

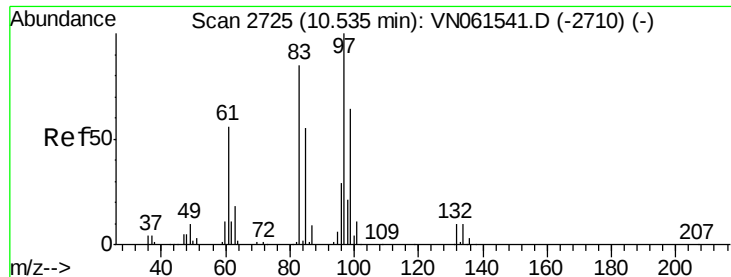
100000

50000

0

Time-->

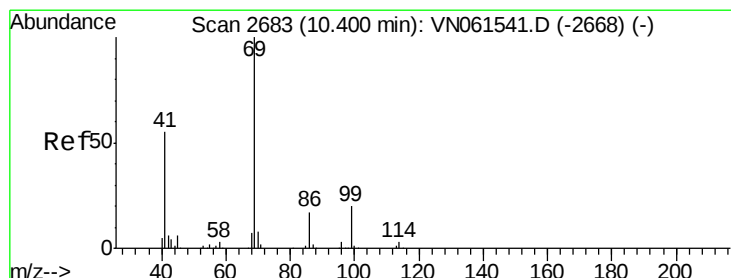
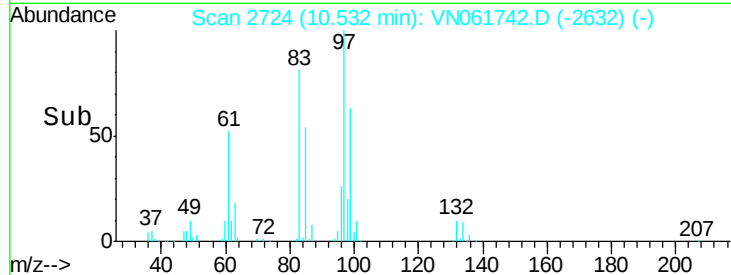
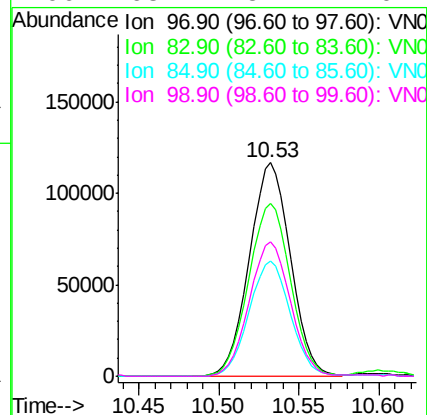
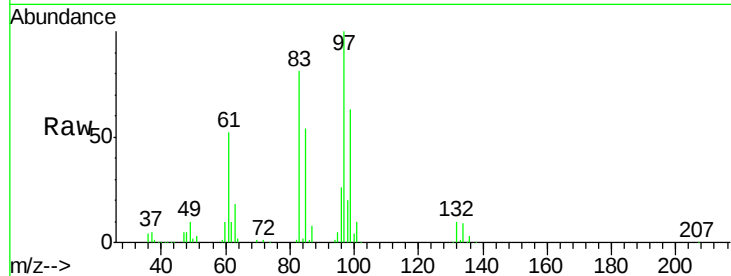




#55  
 1,1,2-Trichloroethane  
 Concen: 52.246 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. -0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

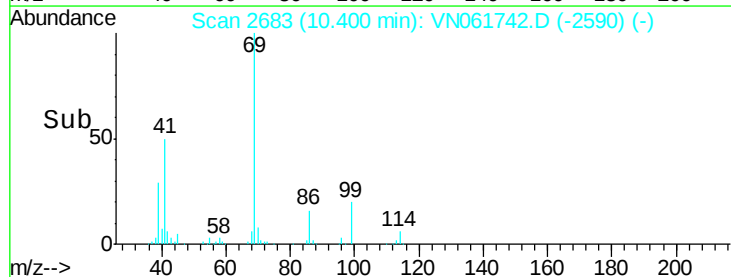
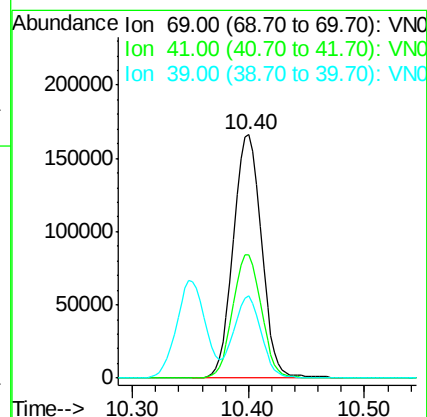
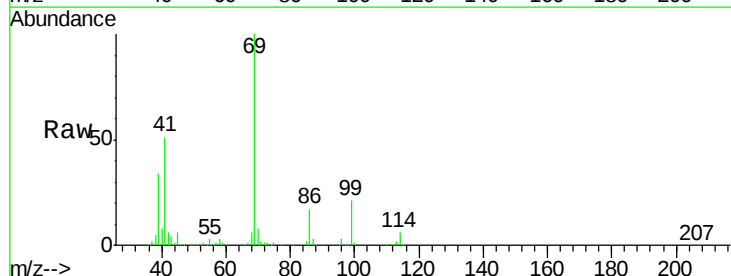
Instrument :  
 MSVOA\_N  
 ClientSampled :

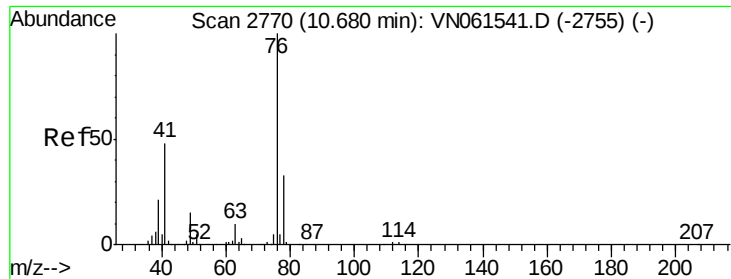
Tot Ion: 97 Resp: 205875  
 Ion Ratio Lower Upper  
 97 100  
 83 81.0 68.1 102.1  
 85 53.7 44.1 66.1  
 99 63.1 51.1 76.7



#56  
 Ethyl methacrylate  
 Concen: 50.874 ug/l  
 RT: 10.40 min Scan# 2683  
 Delta R.T. 0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

Tgt Ion: 69 Resp: 280033  
 Ion Ratio Lower Upper  
 69 100  
 41 50.7 43.5 65.3  
 39 33.1 27.0 40.6

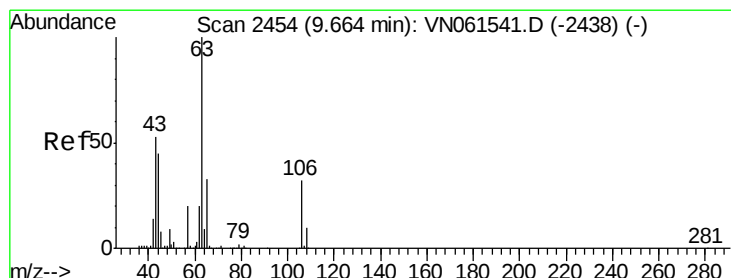
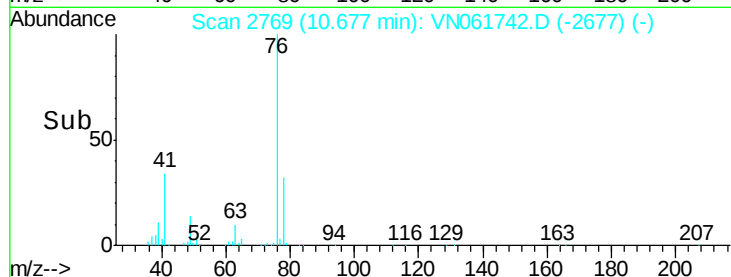
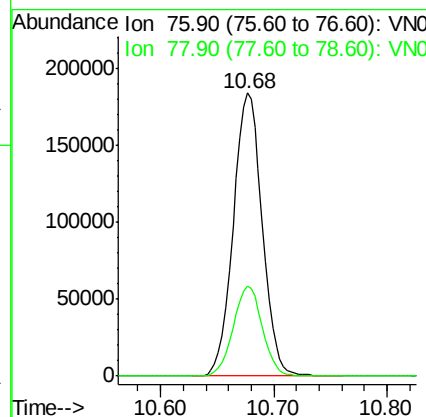
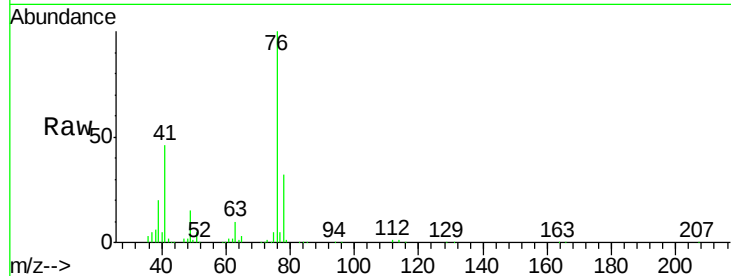




#57  
 1,3-Dichloropropane  
 Concen: 51.963 ug/l  
 RT: 10.68 min Scan# 2769  
 Delta R.T. -0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

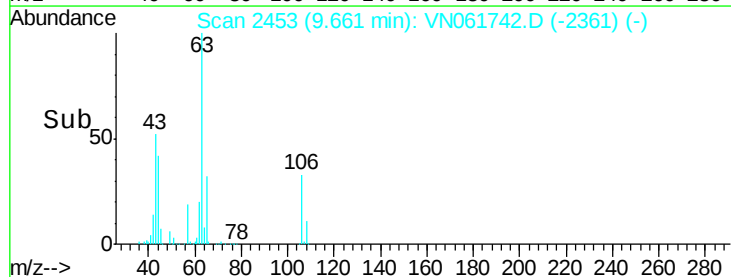
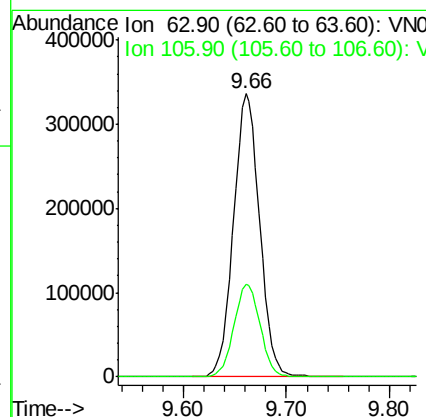
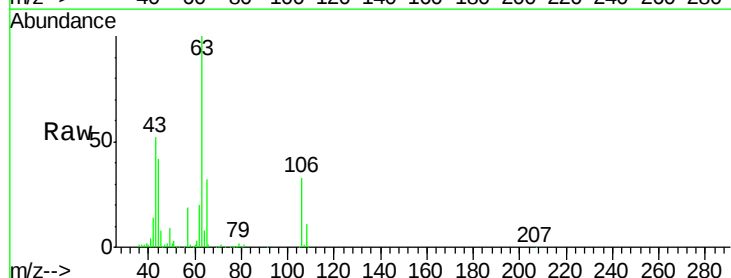
Instrument :  
 MSVOA\_N  
 ClientSampled :

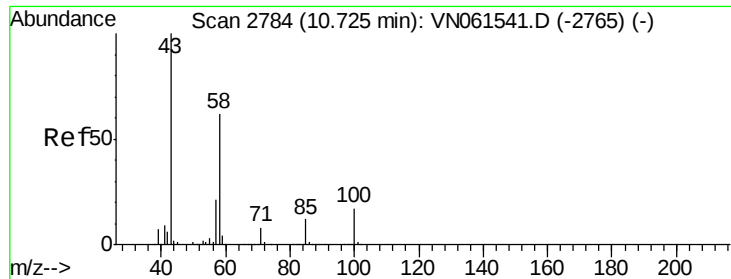
Tot Ion: 76 Resp: 327485  
 Ion Ratio Lower Upper  
 76 100  
 78 32.2 26.3 39.5



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 251.895 ug/l  
 RT: 9.66 min Scan# 2453  
 Delta R.T. -0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

Tgt Ion: 63 Resp: 592538  
 Ion Ratio Lower Upper  
 63 100  
 106 32.9 25.9 38.9

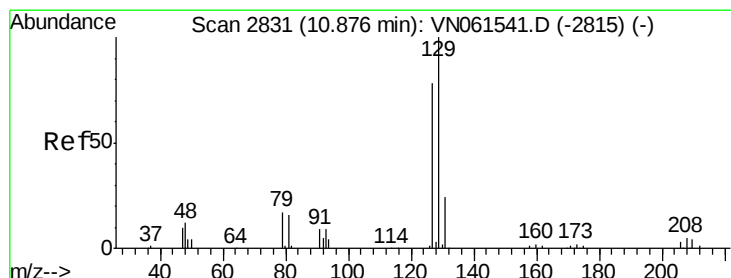
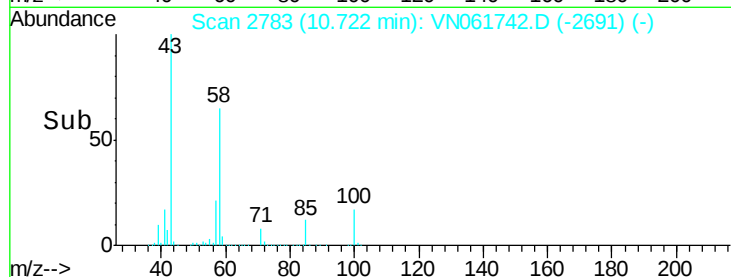
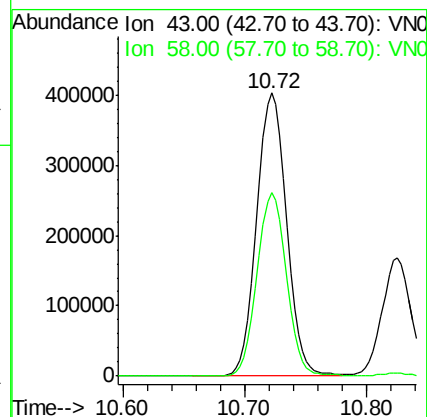
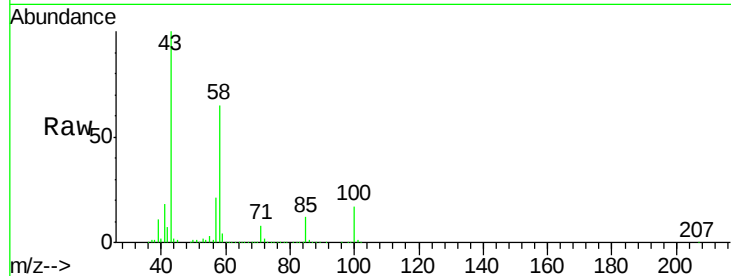




#59  
2-Hexanone  
Concen: 235.809 ug/l  
RT: 10.72 min Scan# 2783  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

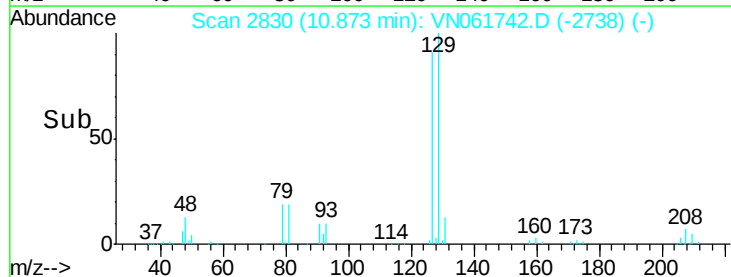
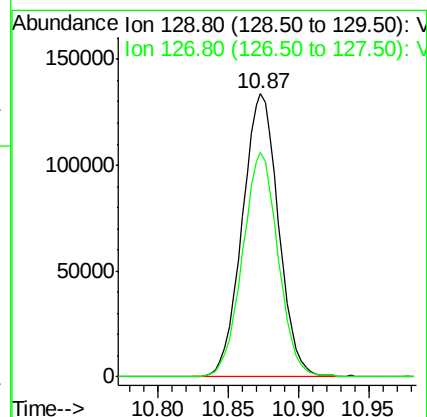
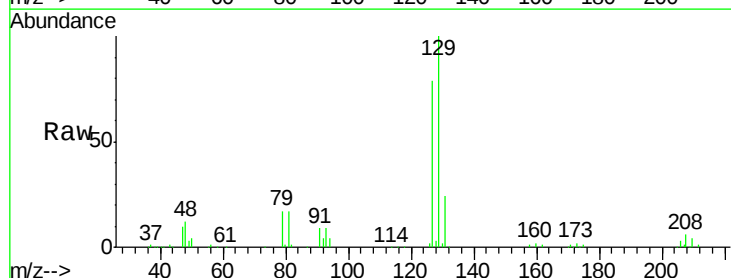
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 43 Resp: 679191  
Ion Ratio Lower Upper  
43 100  
58 64.0 30.7 92.1



#60  
Dibromochloromethane  
Concen: 53.829 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 129 Resp: 241145  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 52.650 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

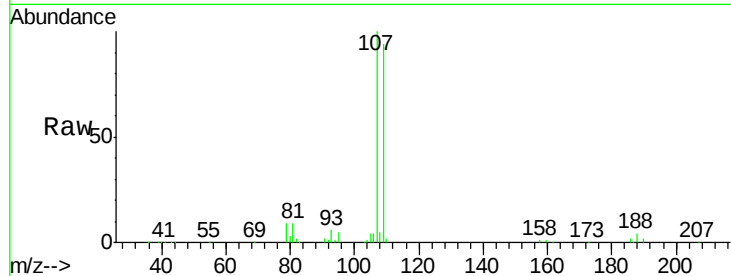
ClientSampled :

Tot Ion:107 Resp: 216379

Ion Ratio Lower Upper

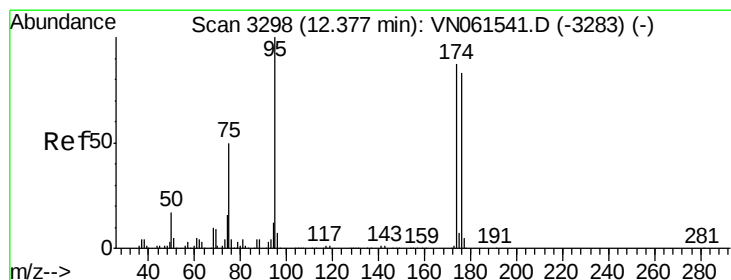
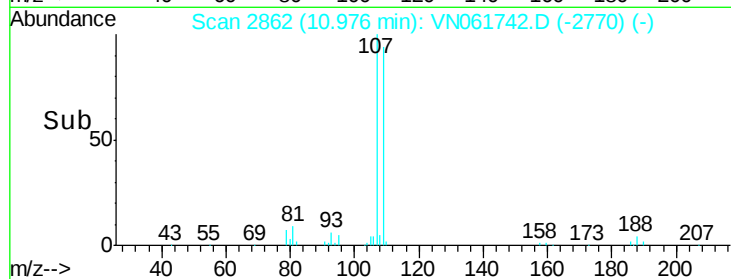
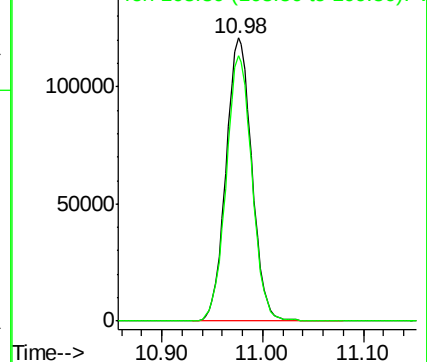
107 100

109 93.7 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.634 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

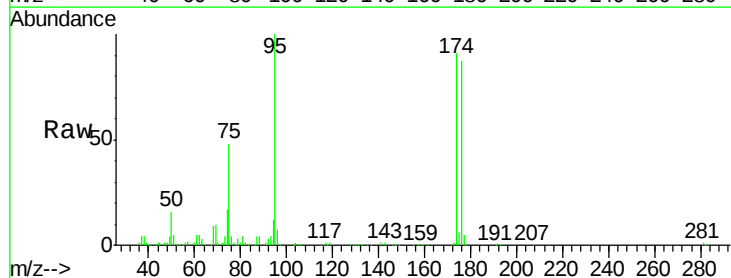
Tgt Ion: 95 Resp: 231411

Ion Ratio Lower Upper

95 100

174 92.7 0.0 172.8

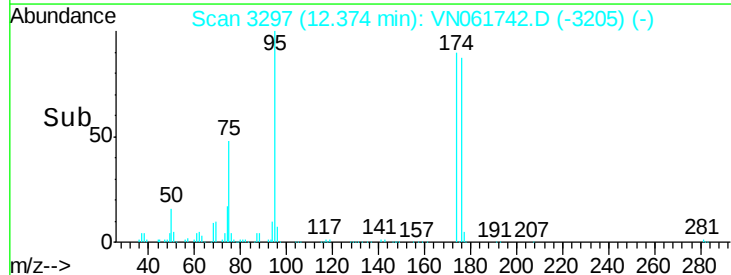
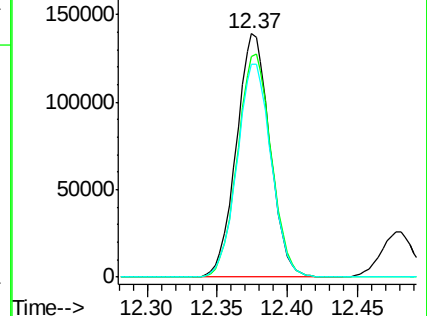
176 89.0 0.0 164.8

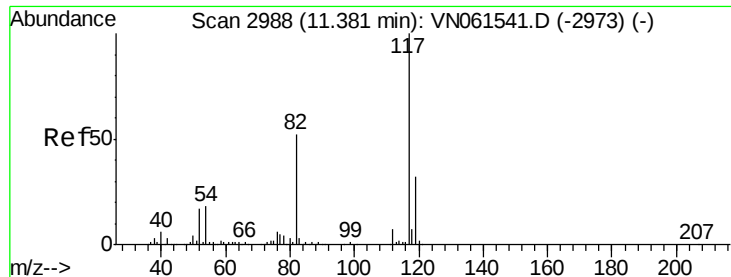


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

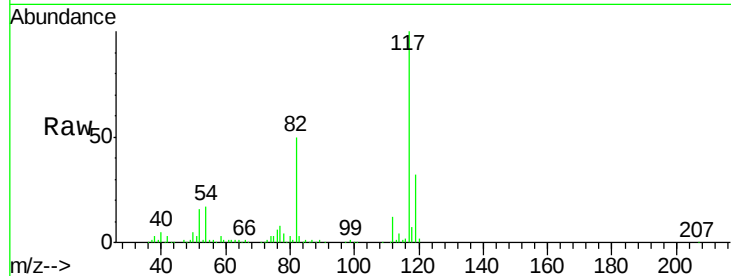




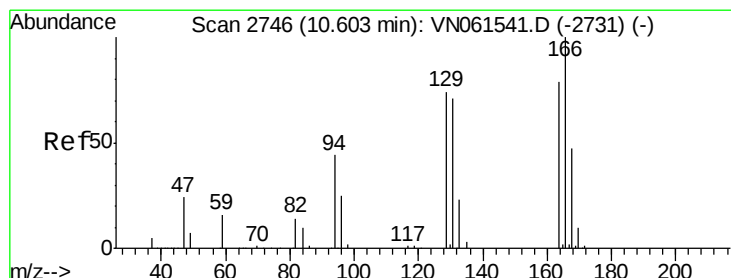
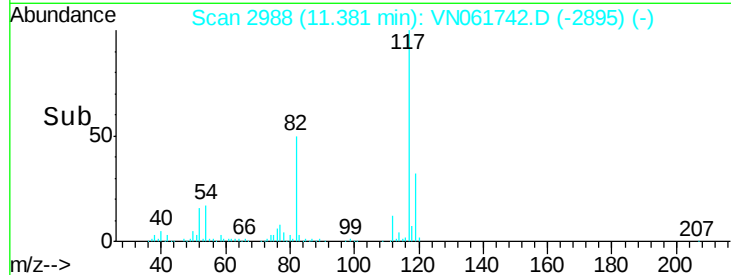
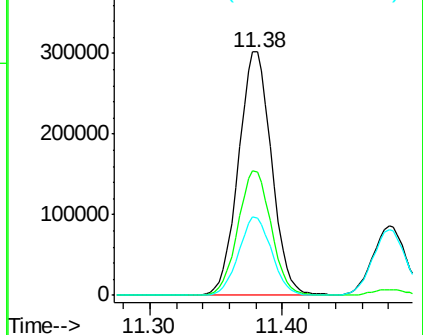
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Instrument :  
MSVOA\_N  
ClientSampleId :

Tot Ion:117 Resp: 524752  
Ion Ratio Lower Upper  
117 100  
82 50.5 41.5 62.3  
119 31.9 25.6 38.4

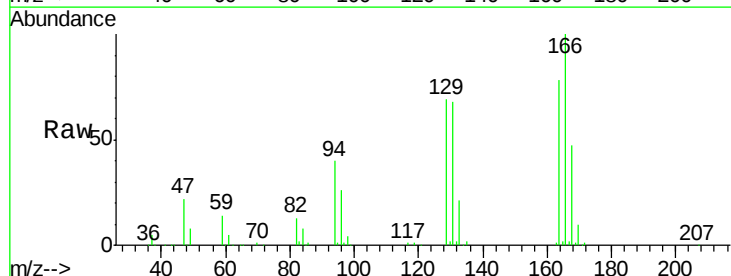


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

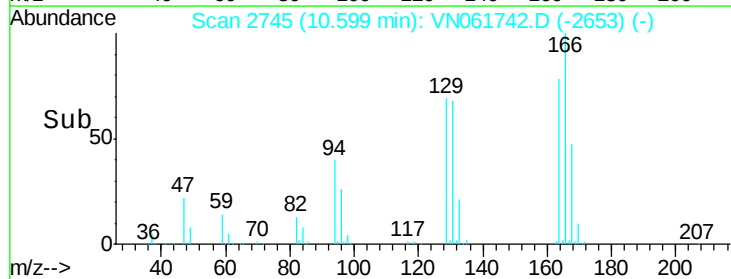
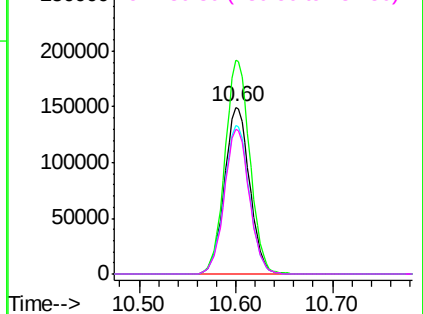


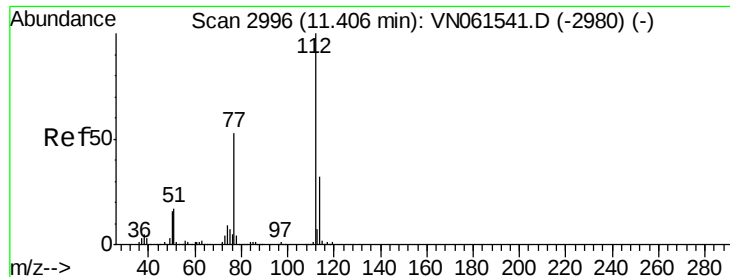
#64  
Tetrachloroethene  
Concen: 54.344 ug/l  
RT: 10.60 min Scan# 2745  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion:164 Resp: 268434  
Ion Ratio Lower Upper  
164 100  
166 128.2 101.5 152.3  
129 89.0 74.9 112.3  
131 86.7 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: 53.446 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

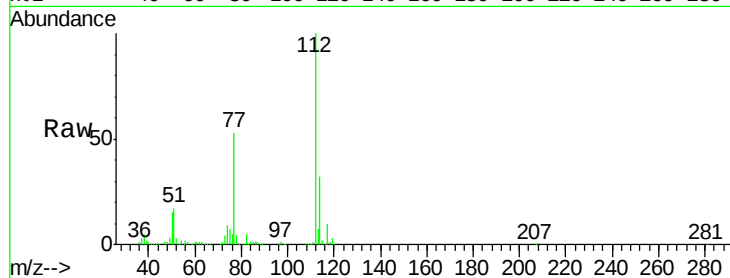
ClientSampleId :

Tot Ion:112 Resp: 582966

Ion Ratio Lower Upper

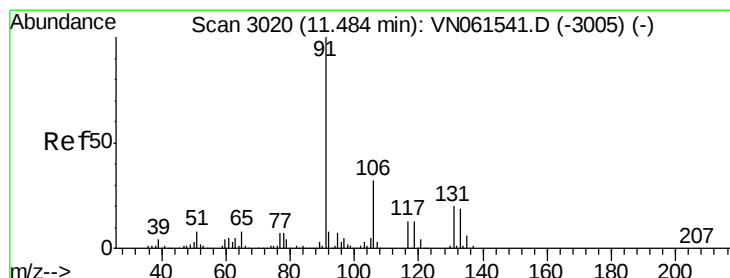
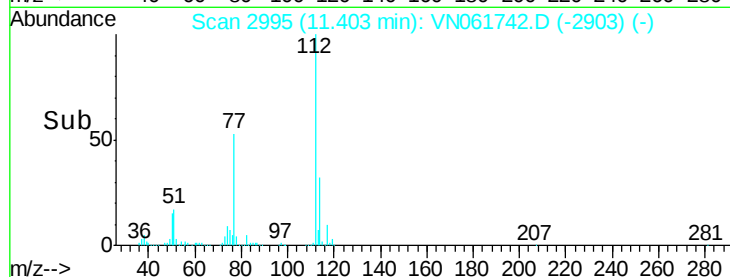
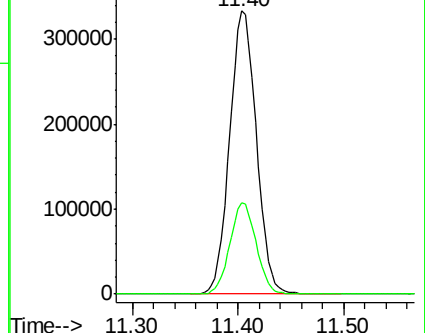
112 100

114 32.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.217 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

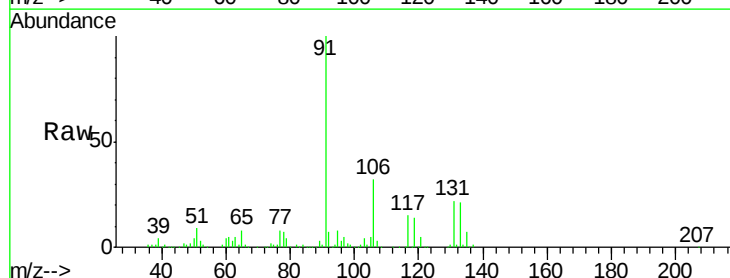
Tgt Ion:131 Resp: 224261

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.2

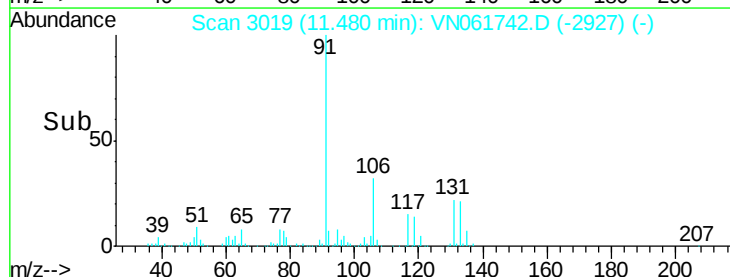
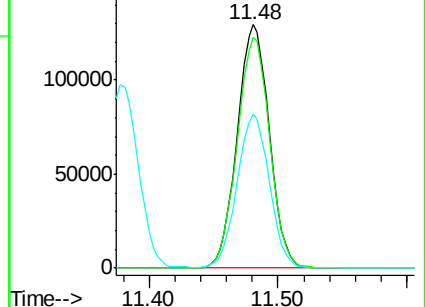
119 63.6 32.6 97.8

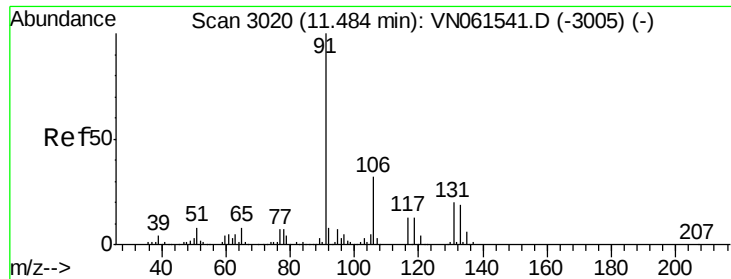


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

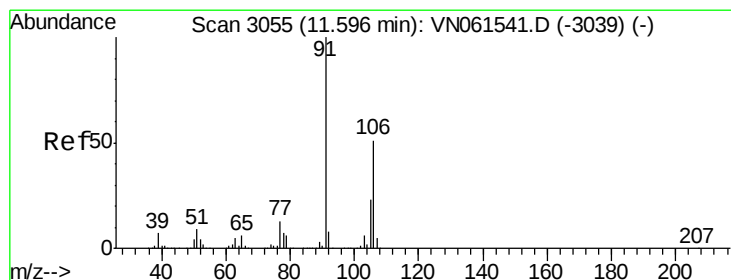
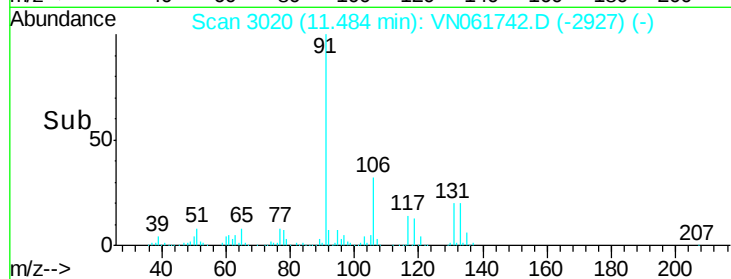
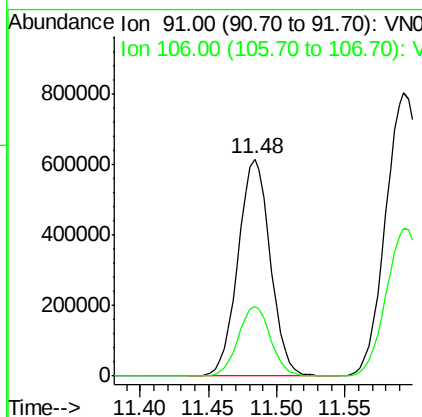
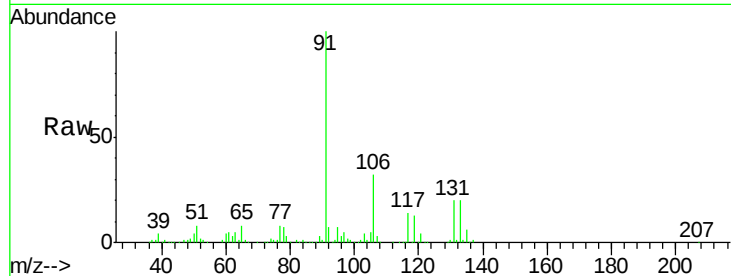




#67  
Ethyl Benzene  
Concen: 53.555 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

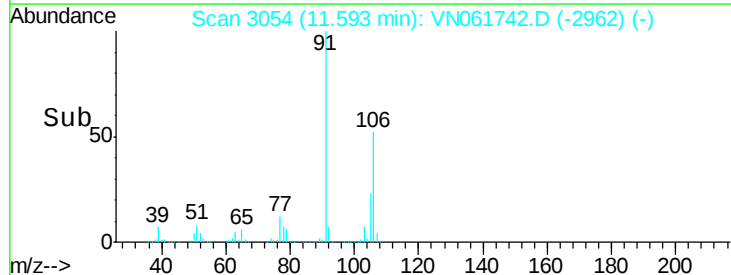
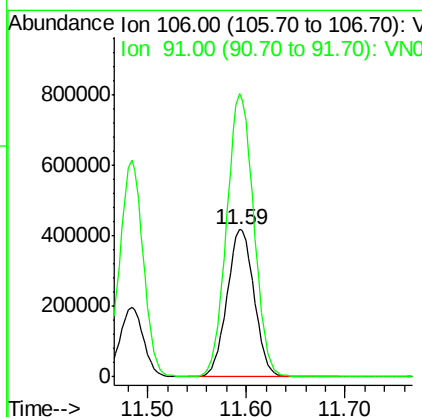
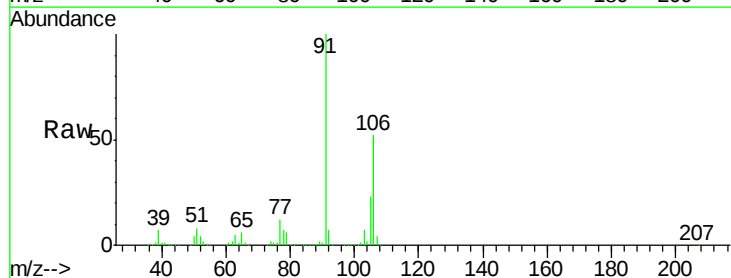
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 91 Resp: 1009667  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.6 38.4



#68  
m/p-Xylenes  
Concen: 107.187 ug/l  
RT: 11.59 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 106 Resp: 801245  
Ion Ratio Lower Upper  
106 100  
91 192.4 156.2 234.4

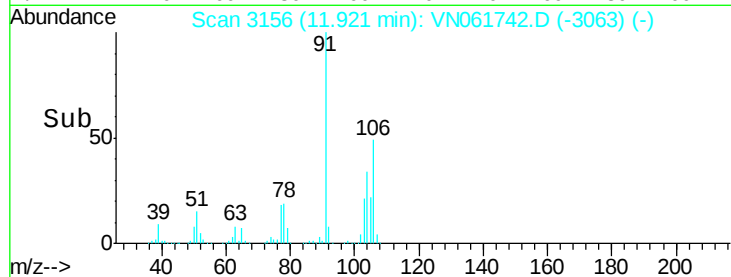
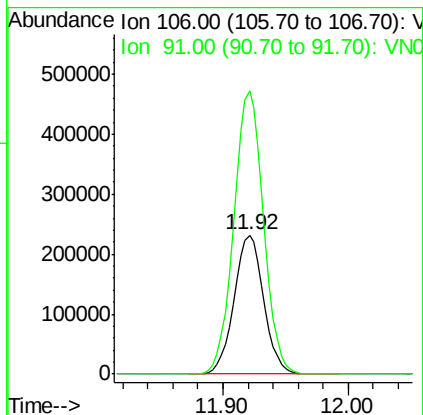
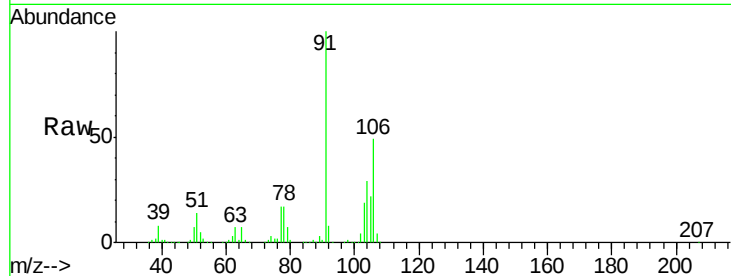




#69  
o-Xylene  
Concen: 53.254 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

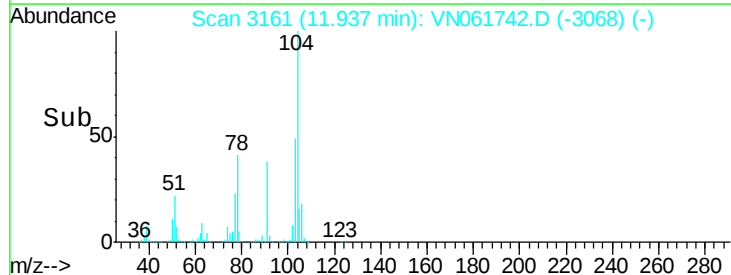
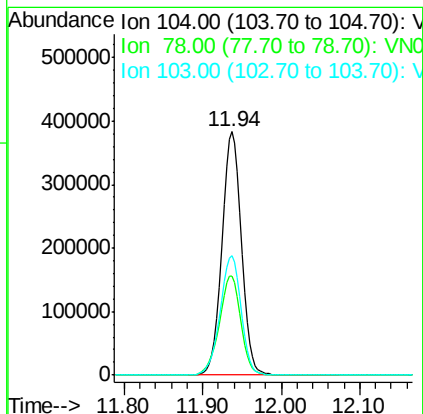
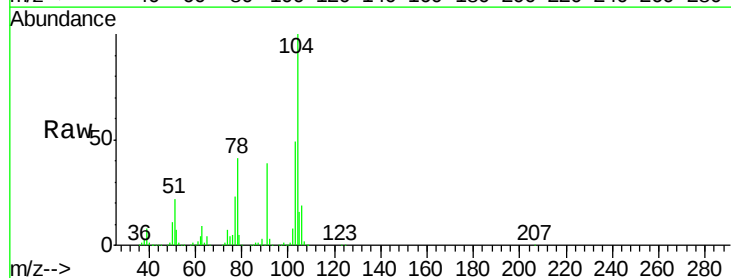
Instrument :  
MSVOA\_N  
ClientSampled :

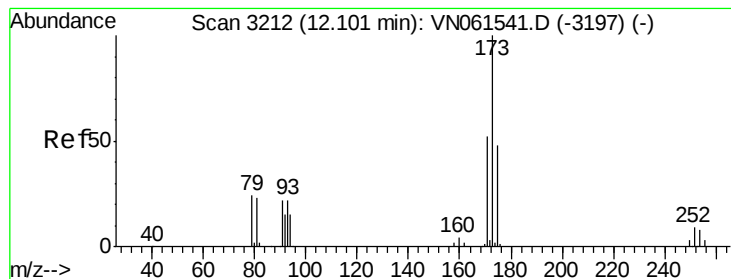
Tot Ion:106 Resp: 378098  
Ion Ratio Lower Upper  
106 100  
91 204.9 103.3 309.8



#70  
Styrene  
Concen: 55.426 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion:104 Resp: 651690  
Ion Ratio Lower Upper  
104 100  
78 44.9 37.4 56.0  
103 53.1 42.3 63.5





#71

Bromoform

Concen: 55.524 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampled :

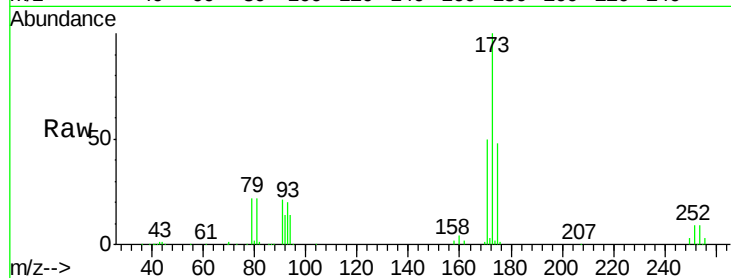
Tot Ion:173 Resp: 173770

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.2

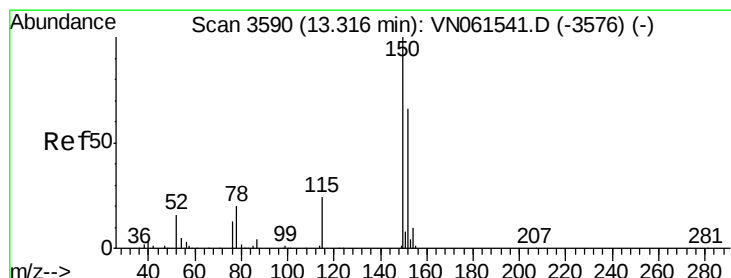
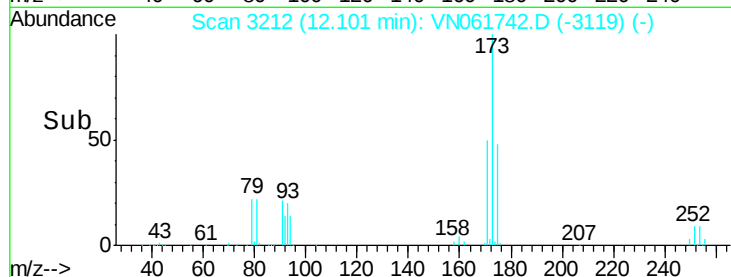
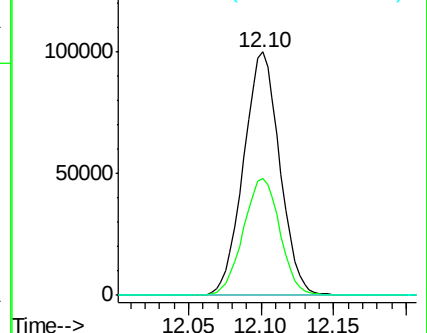
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

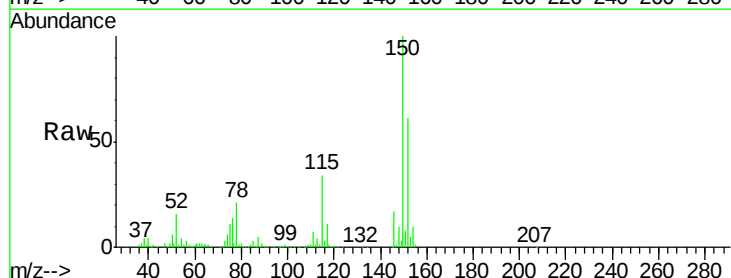
Tgt Ion:152 Resp: 273192

Ion Ratio Lower Upper

152 100

115 55.1 28.0 84.0

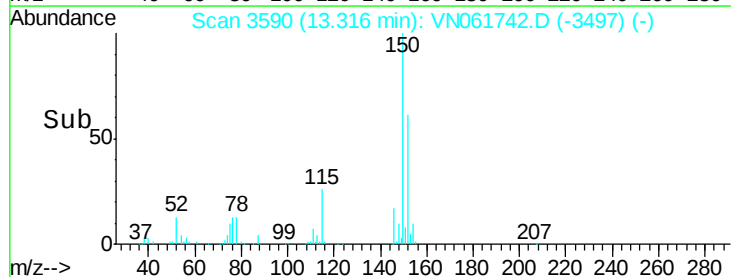
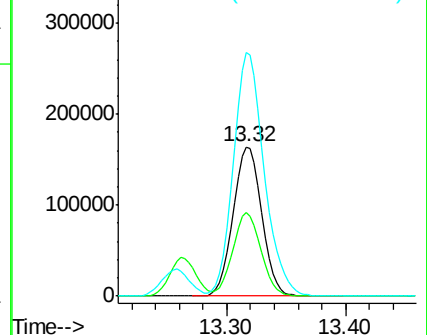
150 174.9 0.0 344.0

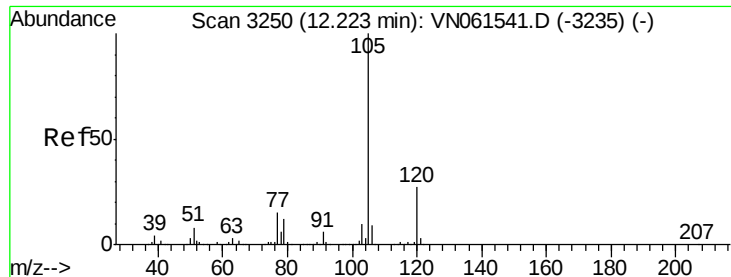


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.879 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

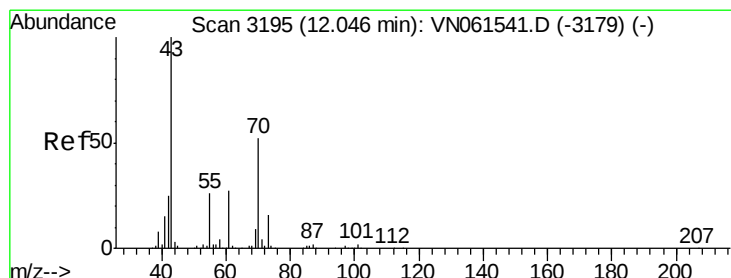
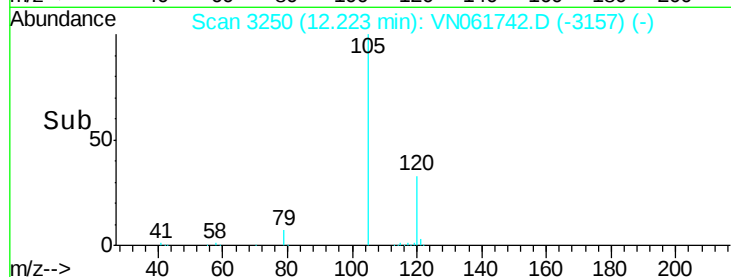
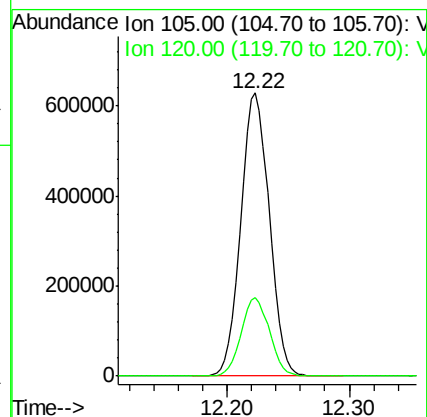
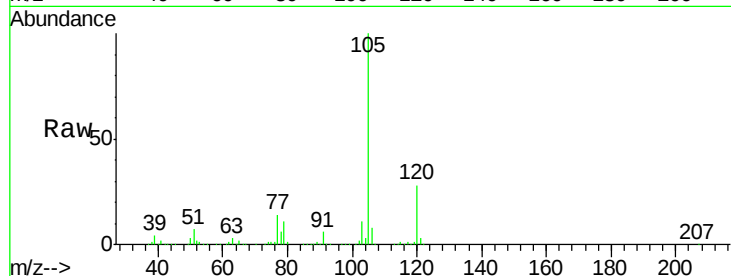
ClientSampleId :

Tot Ion:105 Resp: 1014494

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



#74

N-ethyl acetate

Concen: 44.839 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Tgt Ion: 43 Resp: 281561

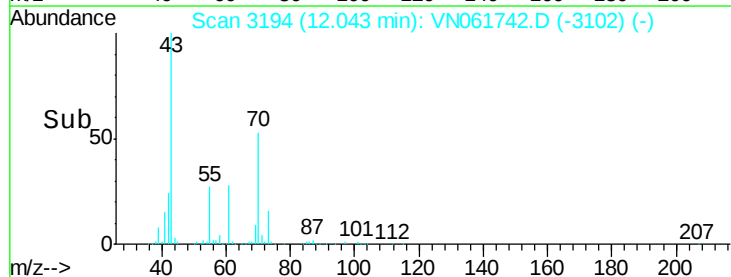
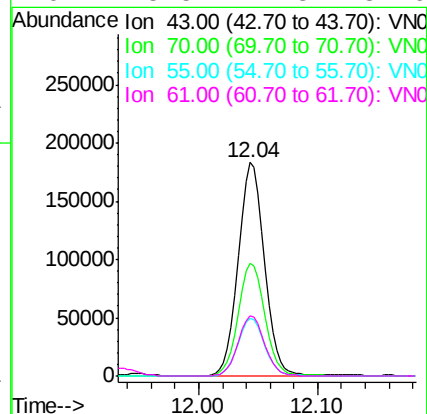
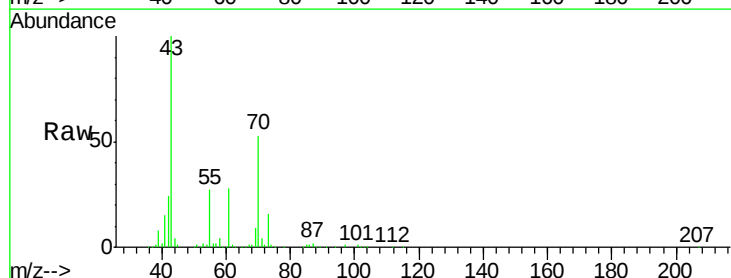
Ion Ratio Lower Upper

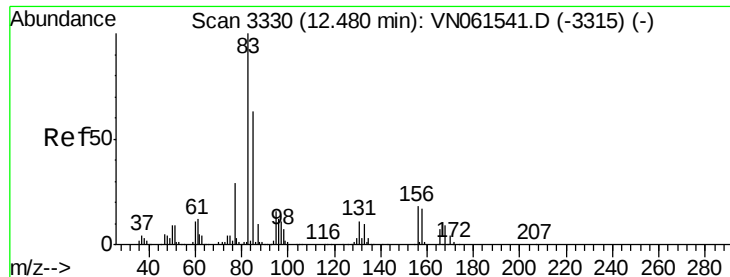
43 100

70 53.4 40.5 60.7

55 27.6 20.6 31.0

61 28.5 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.316 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampled :

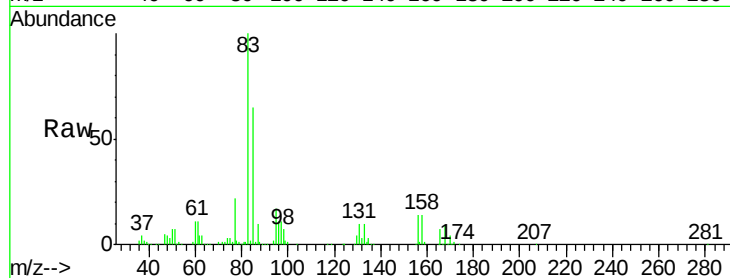
Tot Ion: 83 Resp: 258800

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.5

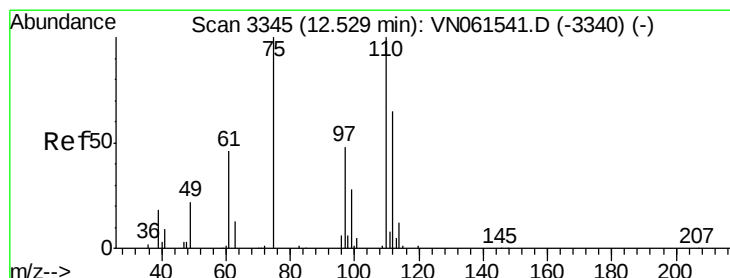
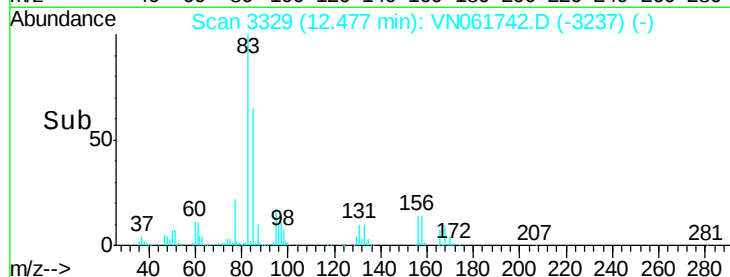
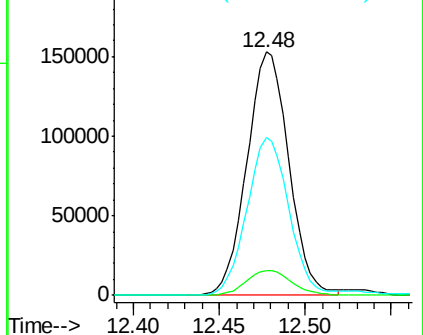
85 64.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061742.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061742.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061742.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 68.678 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061742.D

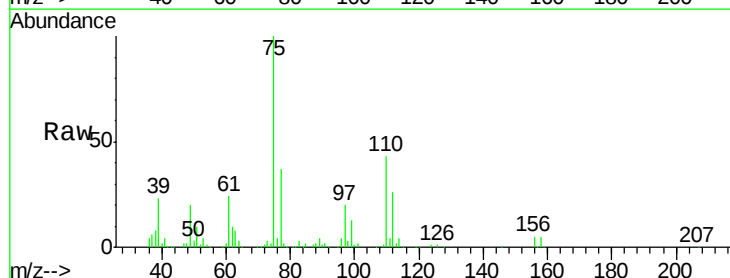
Acq: 11 Jun 2020 12:16

Tgt Ion: 75 Resp: 341173

Ion Ratio Lower Upper

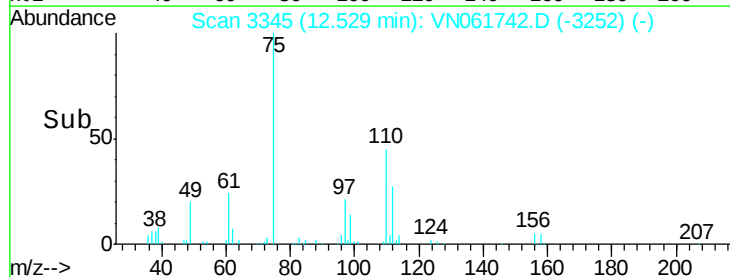
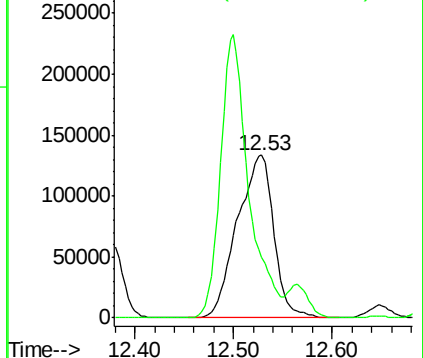
75 100

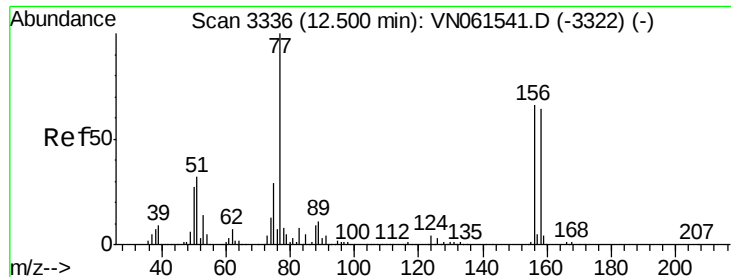
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061742.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061742.D (-3252) (-)





#77

Bromobenzene

Concen: 52.790 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampled :

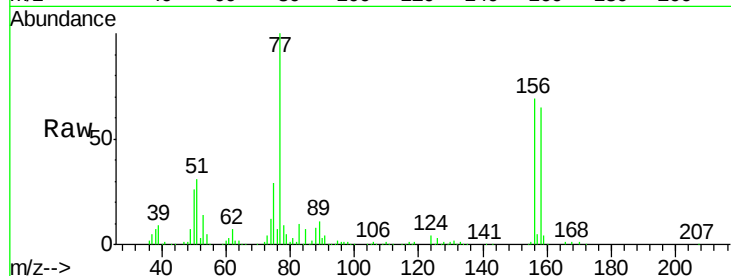
Tot Ion:156 Resp: 268686

Ion Ratio Lower Upper

156 100

77 174.3 90.9 272.7

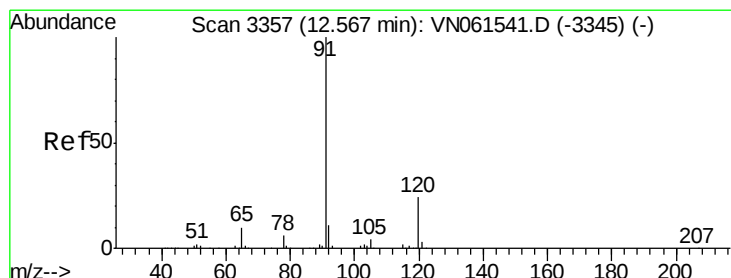
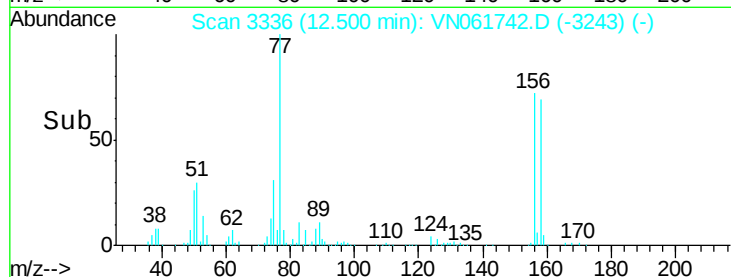
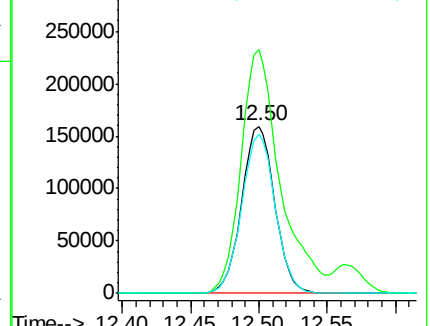
158 96.4 48.4 145.3



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: 51.450 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061742.D

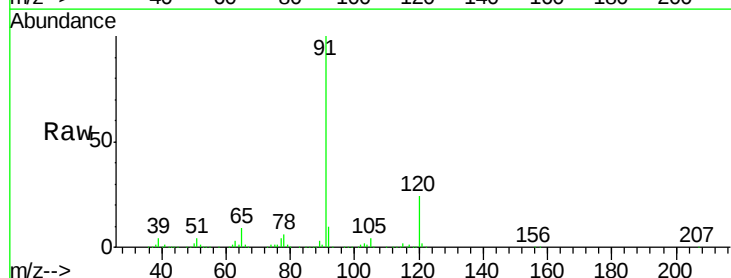
Acq: 11 Jun 2020 12:16

Tgt Ion: 91 Resp: 1145270

Ion Ratio Lower Upper

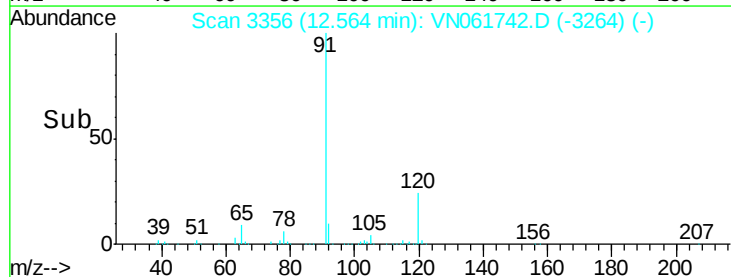
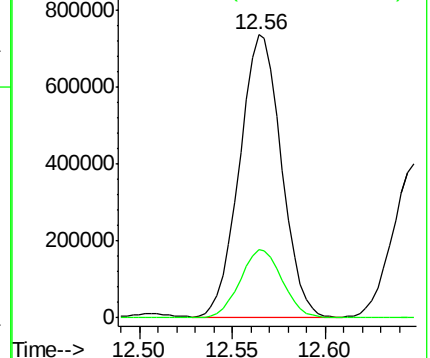
91 100

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

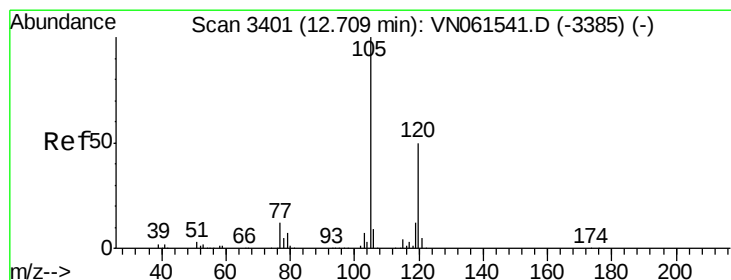
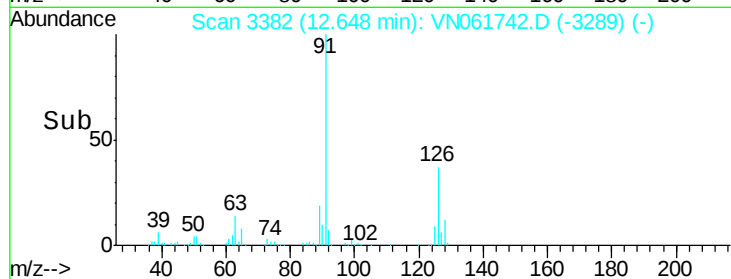
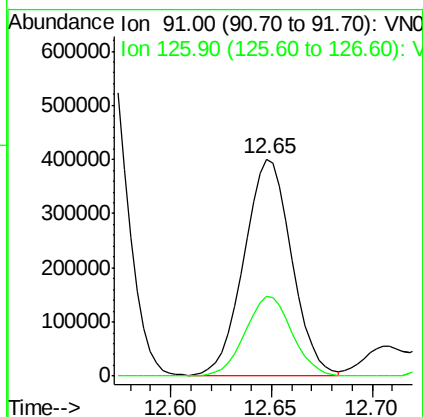
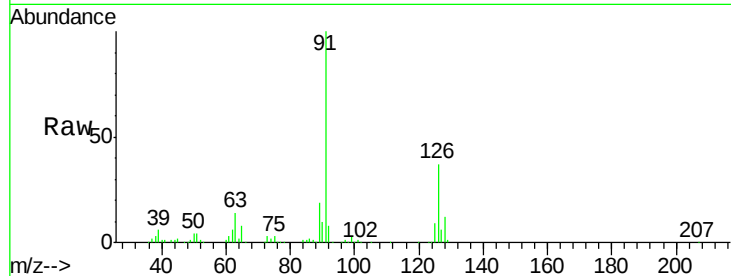




#79  
 2-Chlorotoluene  
 Concen: 49.556 ug/l  
 RT: 12.65 min Scan# 3382  
 Delta R.T. 0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

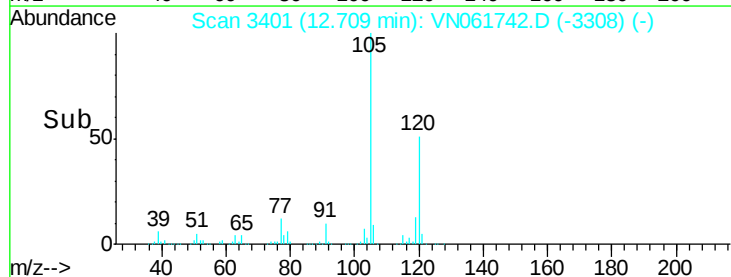
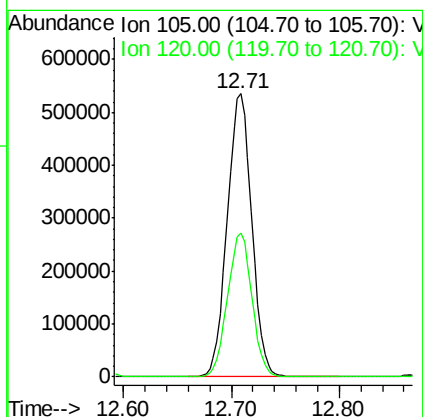
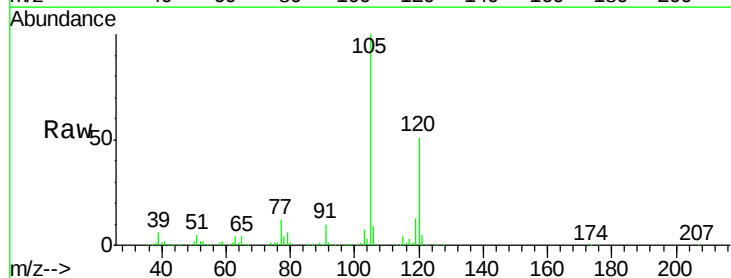
Instrument :  
 MSVOA\_N  
 ClientSampled :

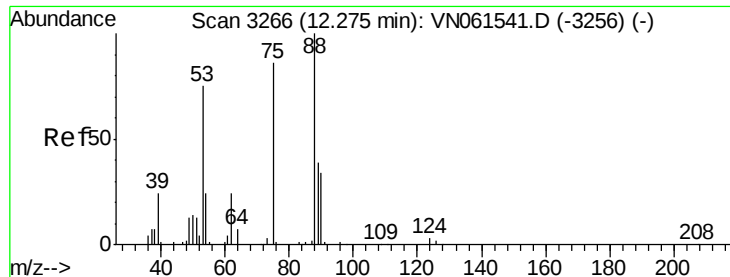
Tot Ion: 91 Resp: 657764  
 Ion Ratio Lower Upper  
 91 100  
 126 36.8 17.9 53.7



#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.876 ug/l  
 RT: 12.71 min Scan# 3401  
 Delta R.T. 0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

Tgt Ion: 105 Resp: 847891  
 Ion Ratio Lower Upper  
 105 100  
 120 50.8 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.262 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampleId :

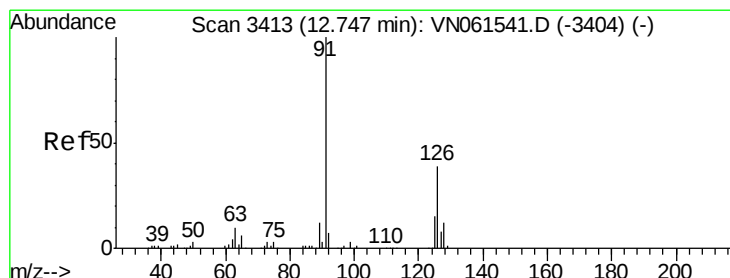
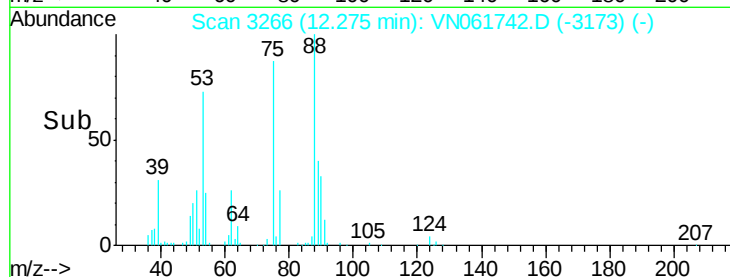
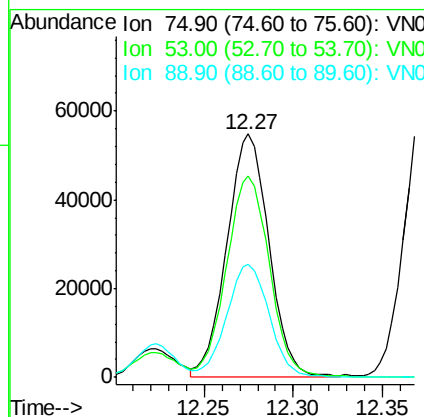
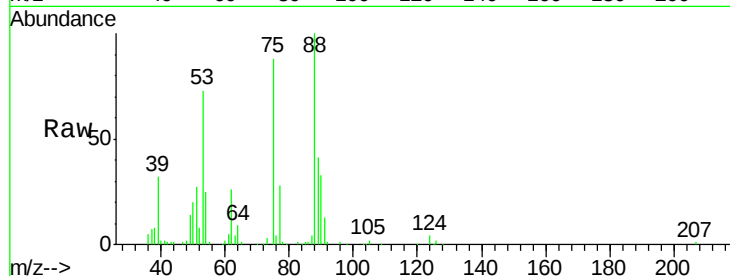
Tot Ion: 75 Resp: 89868

Ion Ratio Lower Upper

75 100

53 85.0 67.8 101.8

89 46.1 37.1 55.7



#82

4-Chlorotoluene

Concen: 50.268 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061742.D

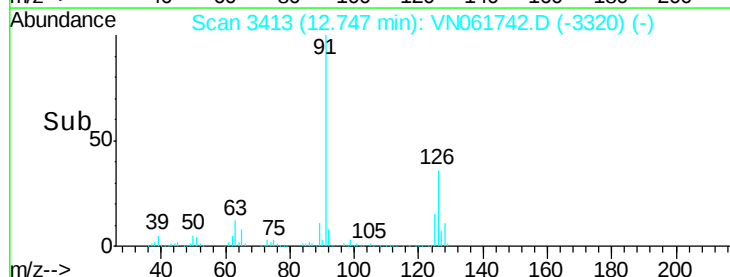
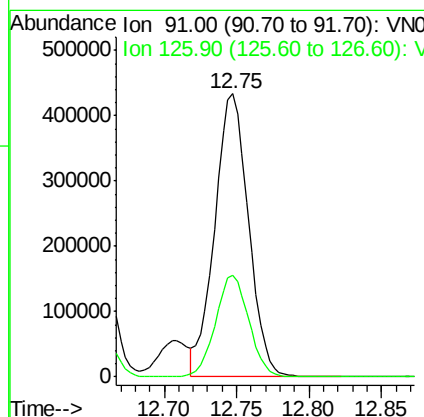
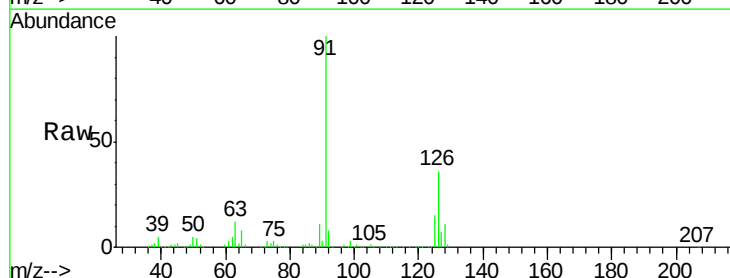
Acq: 11 Jun 2020 12:16

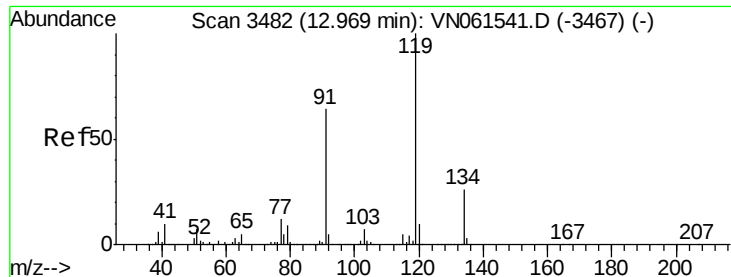
Tgt Ion: 91 Resp: 701919

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6

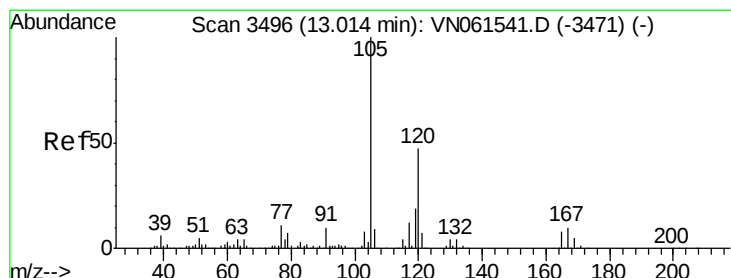
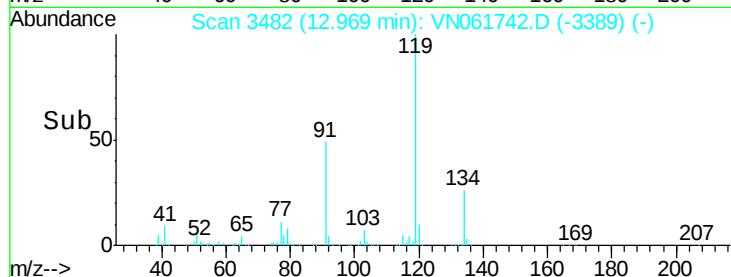
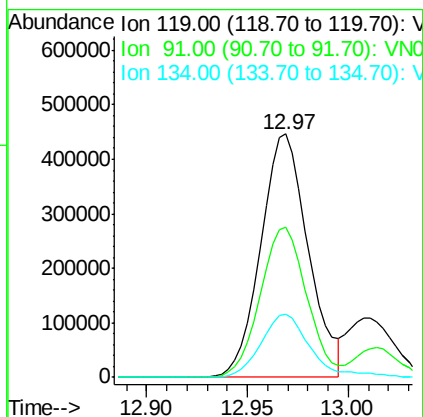
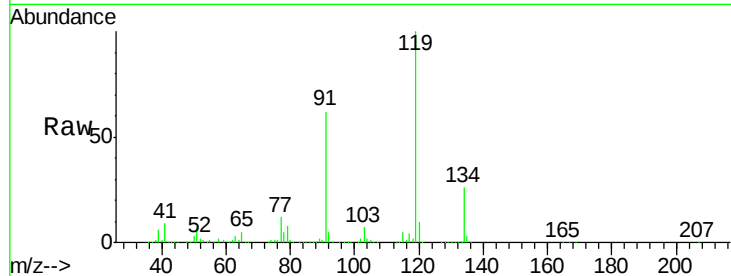




#83  
tert-Butylbenzene  
Concen: 49.718 ug/l  
RT: 12.97 min Scan# 3482  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

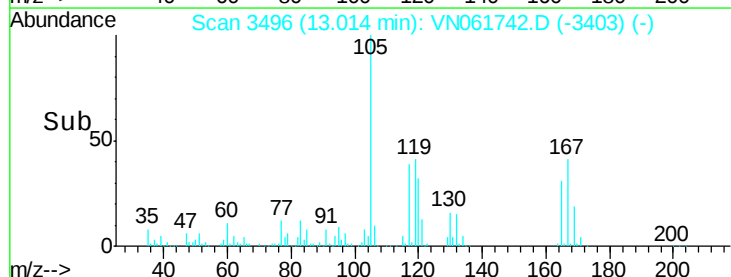
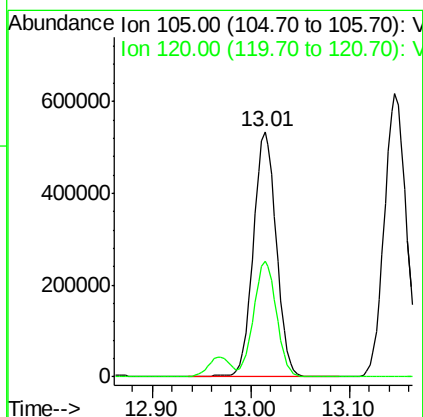
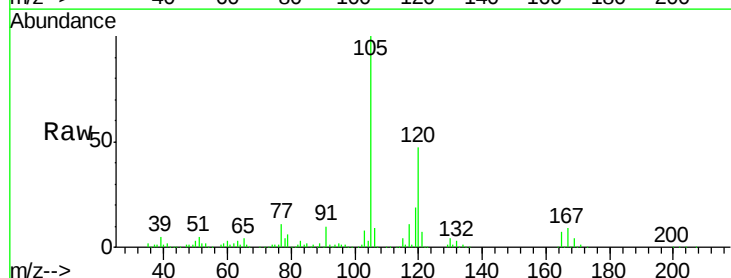
Instrument :  
MSVOA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 60.1  | 31.3  | 93.8  |
| 134     | 27.0  | 13.5  | 40.4  |



#84  
1,2,4-Trimethylbenzene  
Concen: 51.575 ug/l  
RT: 13.01 min Scan# 3496  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.8  | 23.2  | 69.5  |





#85

sec-Butylbenzene

Concen: 50.492 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

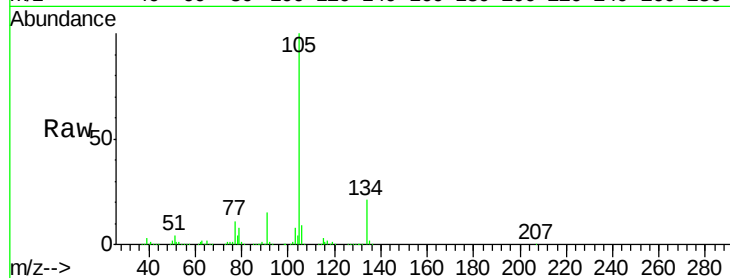
ClientSampled :

Tot Ion:105 Resp: 958055

Ion Ratio Lower Upper

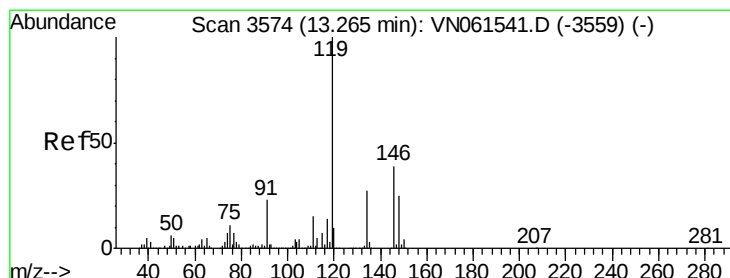
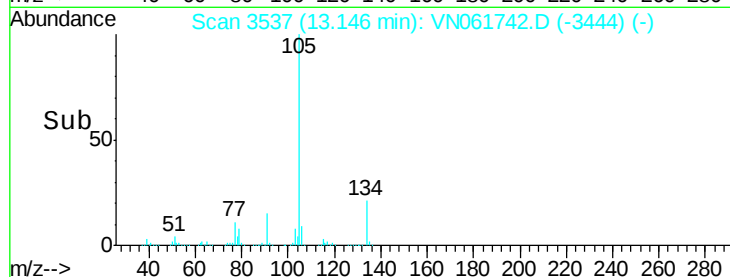
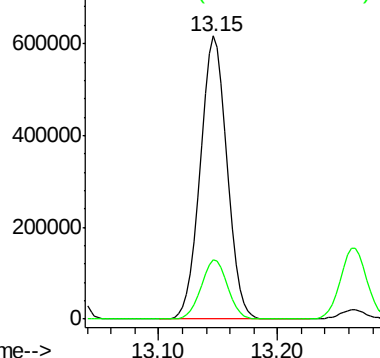
105 100

134 20.8 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.833 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

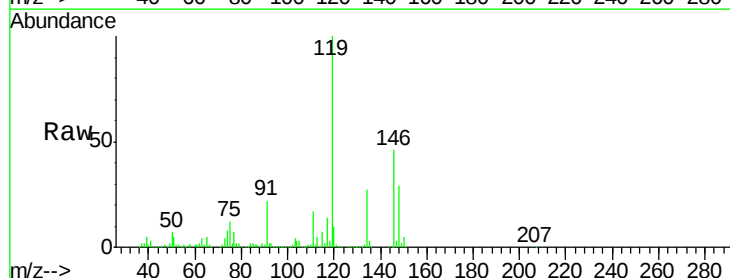
Tgt Ion:119 Resp: 905712

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

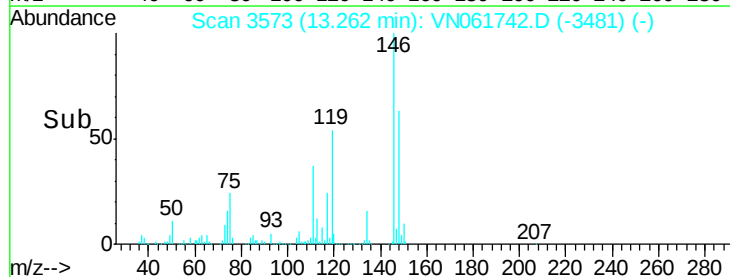
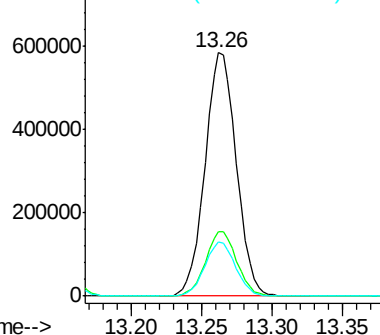
91 21.9 11.4 34.1



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

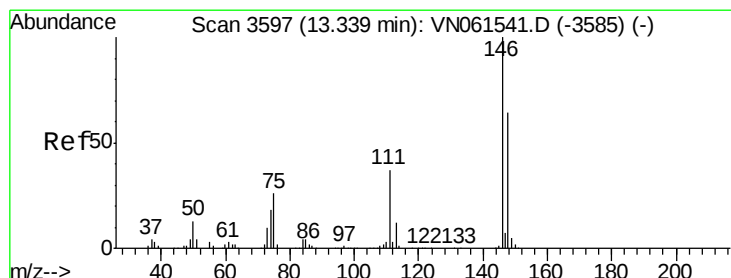
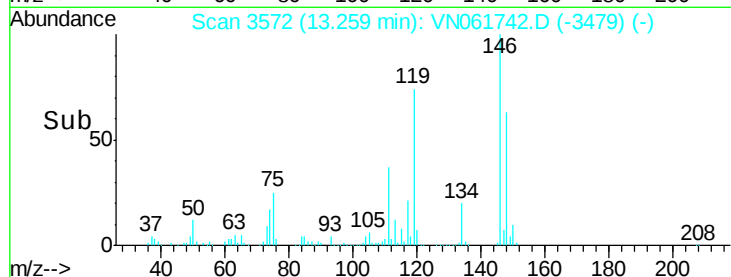
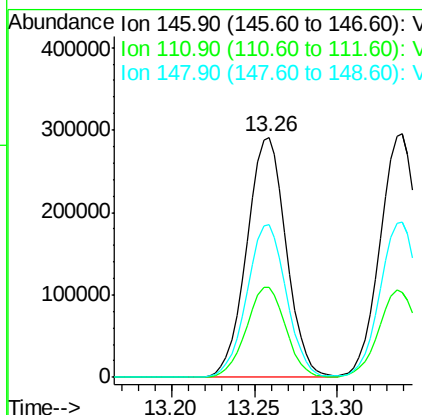
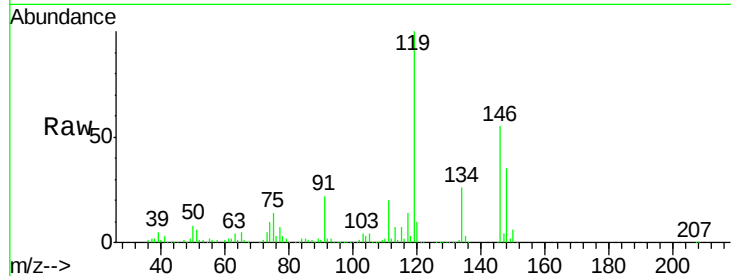




#87  
 1,3-Dichlorobenzene  
 Concen: 53.489 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. 0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

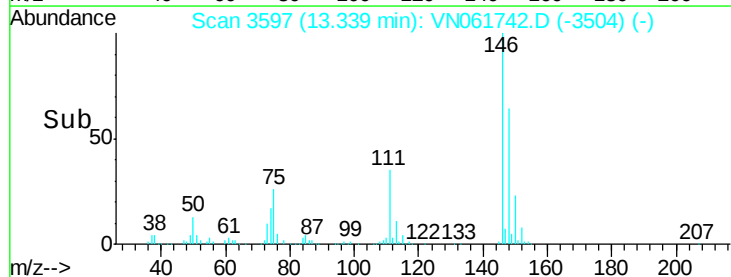
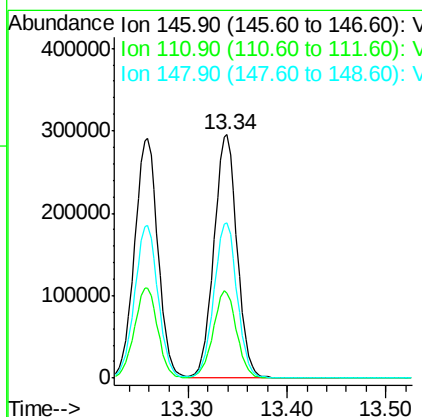
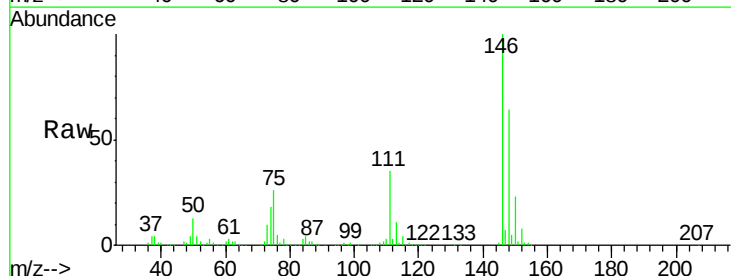
Instrument :  
 MSVOA\_N  
 ClientSampleId :

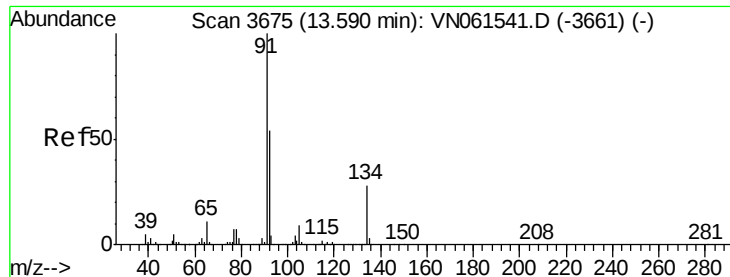
Tot Ion:146 Resp: 482092  
 Ion Ratio Lower Upper  
 146 100  
 111 37.6 19.2 57.6  
 148 63.8 31.7 95.1



#88  
 1,4-Dichlorobenzene  
 Concen: 52.930 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. 0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

Tgt Ion:146 Resp: 485982  
 Ion Ratio Lower Upper  
 146 100  
 111 35.9 18.9 56.9  
 148 63.9 31.8 95.3

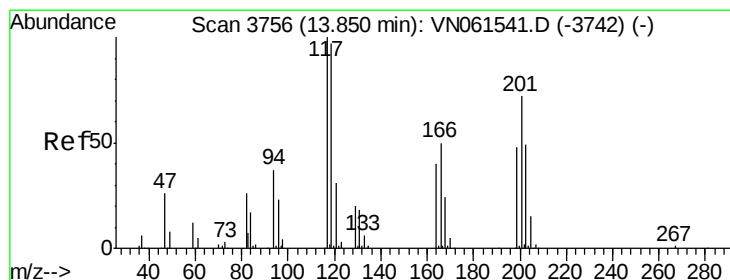
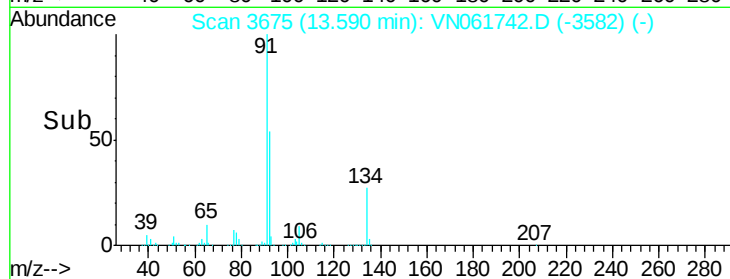
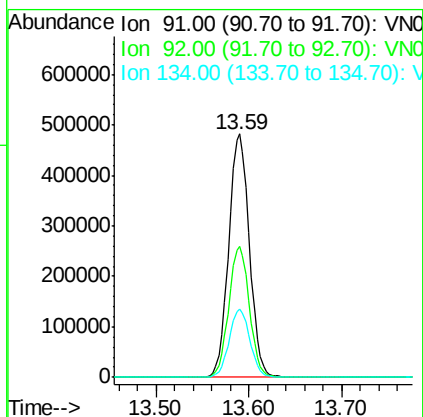
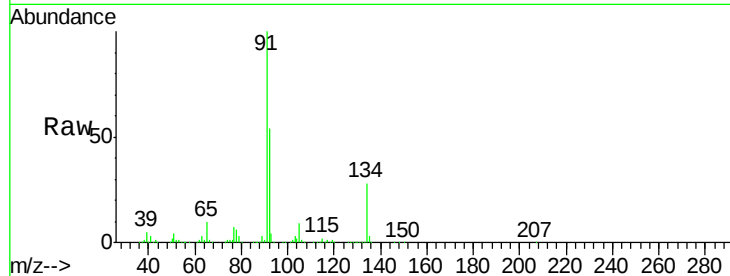




#89  
n-Butylbenzene  
Concen: 50.910 ug/l  
RT: 13.59 min Scan# 3675  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

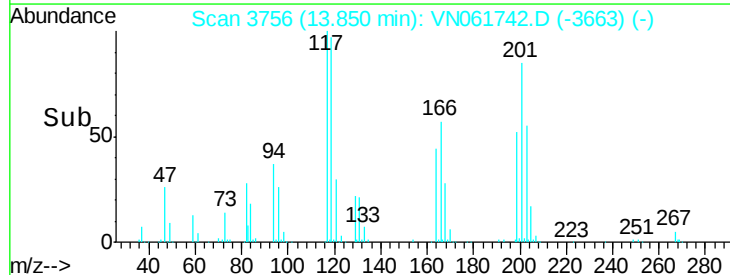
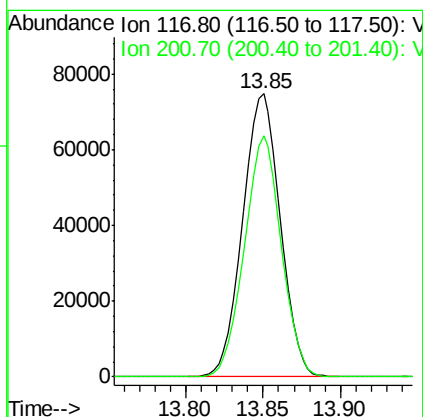
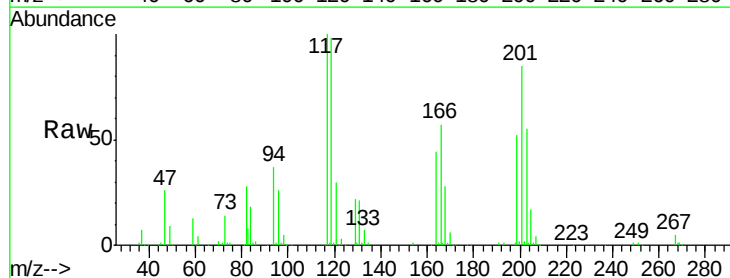
Instrument :  
MSVOA\_N  
ClientSampled :

Tot Ion: 91 Resp: 745118  
Ion Ratio Lower Upper  
91 100  
92 53.5 27.2 81.6  
134 28.2 14.0 42.0



#90  
Hexachloroethane  
Concen: 65.540 ug/l  
RT: 13.85 min Scan# 3756  
Delta R.T. 0.00 min  
Lab File: VN061742.D  
Acq: 11 Jun 2020 12:16

Tgt Ion: 117 Resp: 126653  
Ion Ratio Lower Upper  
117 100  
201 83.5 36.7 110.1





#91

1,2-Dichlorobenzene

Concen: 52.968 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampleId :

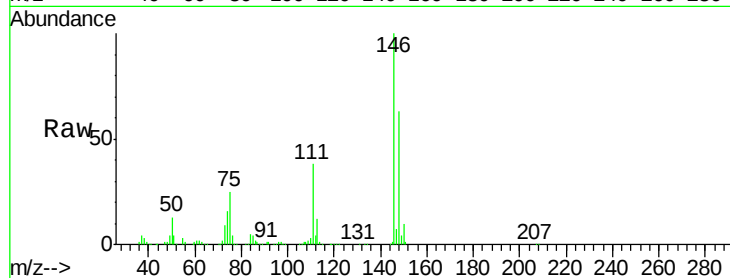
Tot Ion:146 Resp: 456221

Ion Ratio Lower Upper

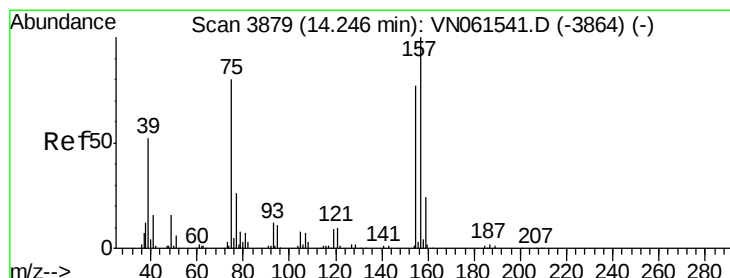
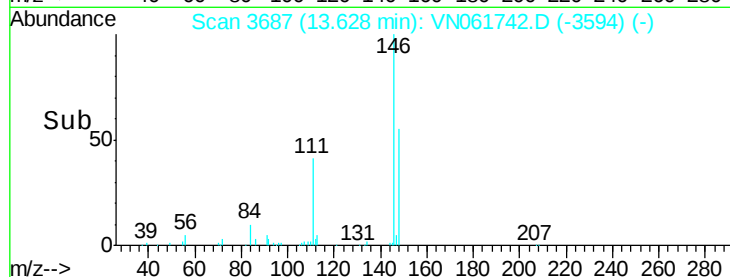
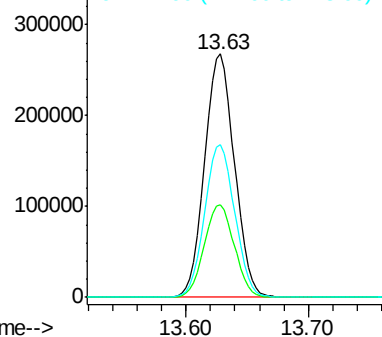
146 100

111 38.5 20.1 60.2

148 63.5 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: 40.512 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

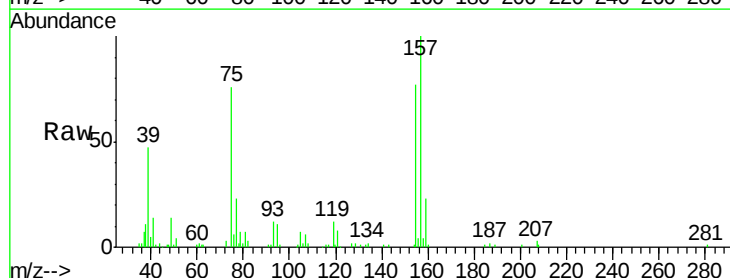
Tgt Ion: 75 Resp: 46166

Ion Ratio Lower Upper

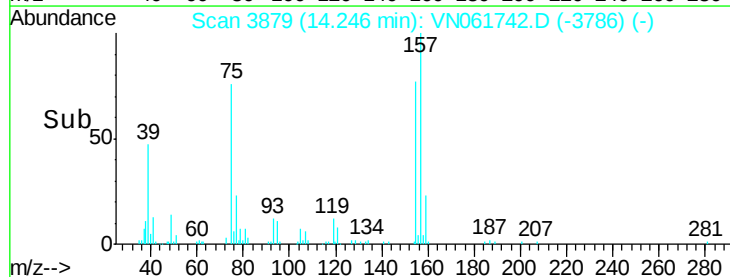
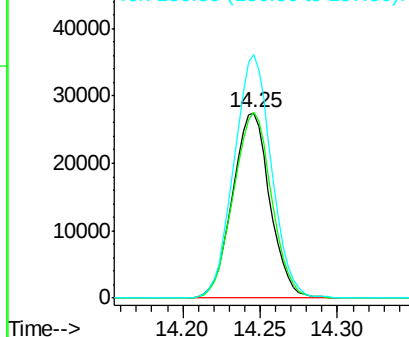
75 100

155 102.6 47.1 141.4

157 131.5 60.3 180.8



Abundance Ion 74.90 (74.60 to 75.60): V  
Ion 154.80 (154.50 to 155.50): V  
Ion 156.80 (156.50 to 157.50): V

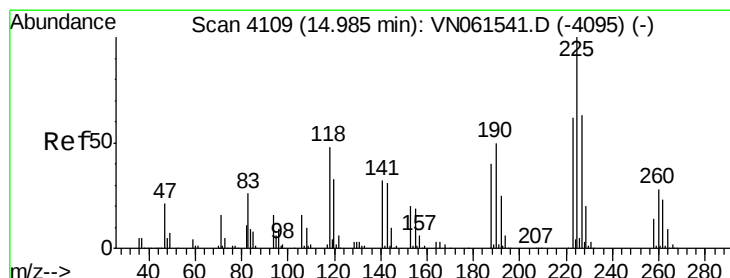
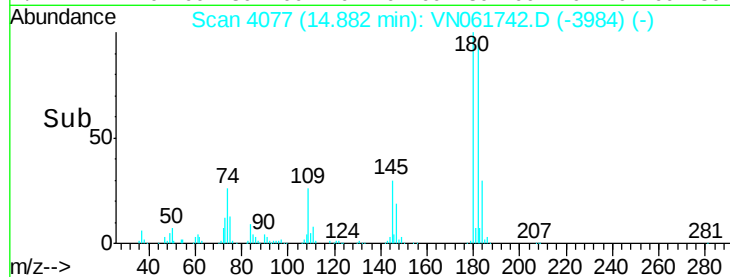
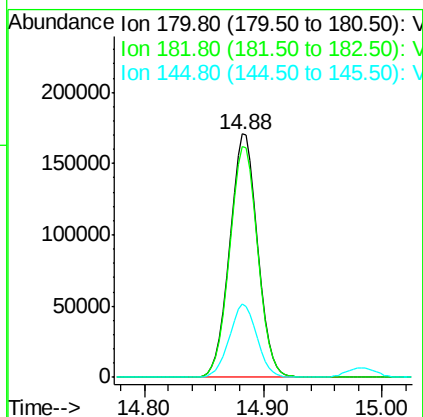
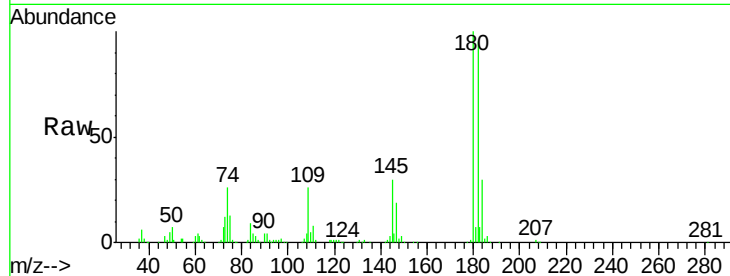




#93  
 1,2,4-Trichlorobenzene  
 Concen: 54.851 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. 0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

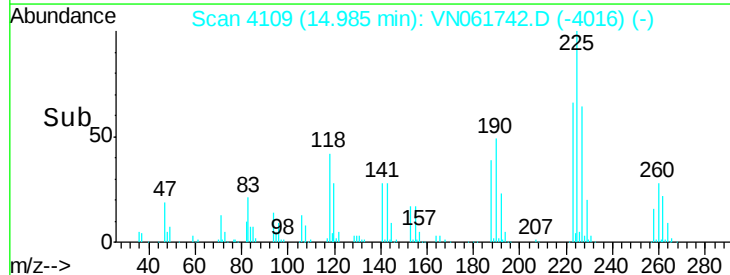
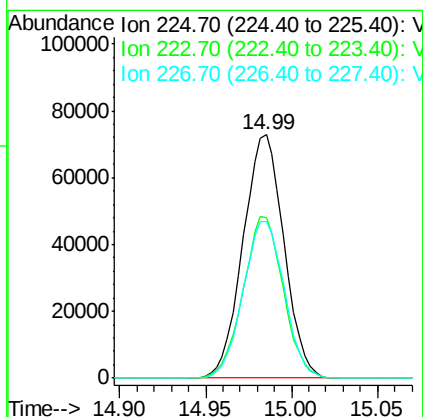
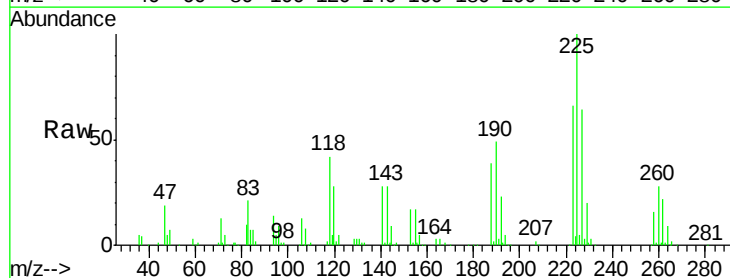
Instrument :  
 MSVOA\_N  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 47.8  | 143.3 |
| 145     | 30.0  | 15.5  | 46.5  |



#94  
 Hexachlorobutadiene  
 Concen: 55.893 ug/l  
 RT: 14.99 min Scan# 4109  
 Delta R.T. 0.00 min  
 Lab File: VN061742.D  
 Acq: 11 Jun 2020 12:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.1  | 31.9  | 95.5  |
| 227     | 64.6  | 31.9  | 95.9  |





#95

Naphthalene

Concen: 48.968 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

Instrument :

MSVOA\_N

ClientSampleId :

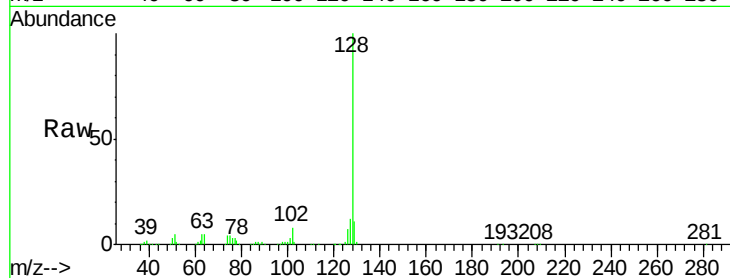
Tot Ion:128 Resp: 750799

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

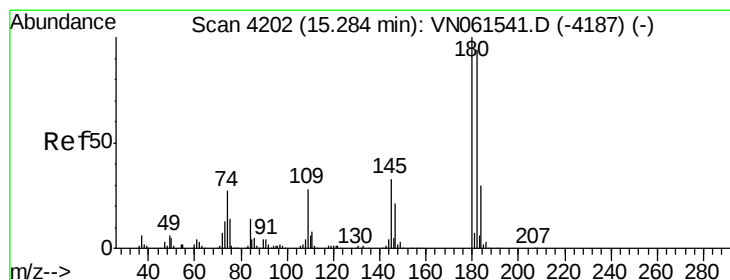
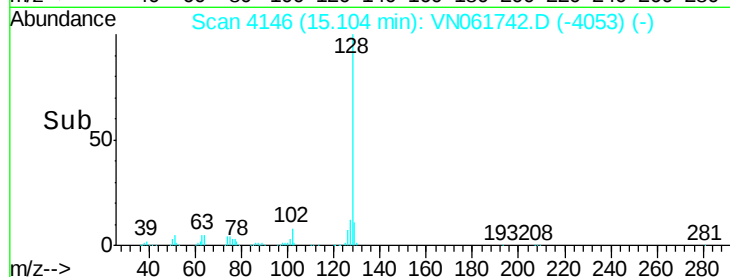
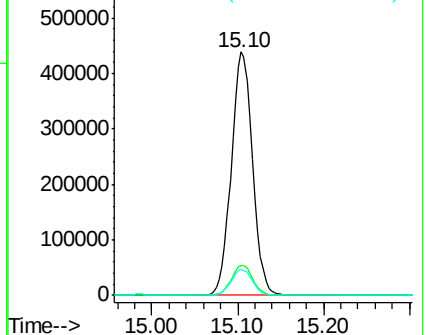
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.783 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061742.D

Acq: 11 Jun 2020 12:16

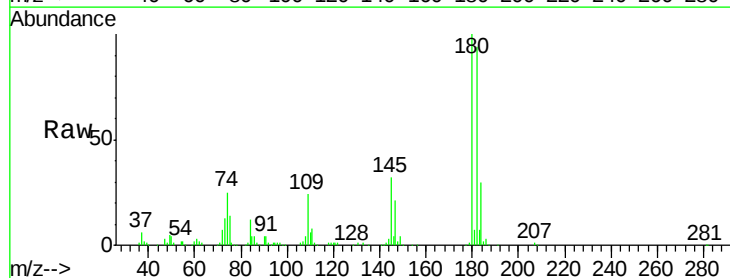
Tgt Ion:180 Resp: 266371

Ion Ratio Lower Upper

180 100

182 94.9 47.1 141.3

145 32.2 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

