

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN032720\  
 Data File : VN060734.D  
 Acq On : 27 Mar 2020 12:14  
 Operator : JC/MD  
 Sample : VN0327WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

Quant Time: Mar 28 01:57:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 196068   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 319241   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 291633   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 136632   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 128851   | 47.87 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.74% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 95653    | 49.55 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.10% |      |
| 50) Toluene-d8            | 10.08  | 98  | 376548   | 47.76 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.52% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 138812   | 48.04 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.08% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 33280  | 17.542 | ug/l | 100    |
| 3) Chloromethane              | 2.04 | 50  | 55309  | 15.610 | ug/l | 100    |
| 4) Vinyl Chloride             | 2.17 | 62  | 43694  | 15.766 | ug/l | 99     |
| 5) Bromomethane               | 2.55 | 94  | 22300  | 18.640 | ug/l | 96     |
| 6) Chloroethane               | 2.69 | 64  | 27782  | 17.403 | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 60608  | 17.753 | ug/l | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 26097  | 19.029 | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 36910  | 18.659 | ug/l | 100    |
| 10) Methyl Iodide             | 3.93 | 142 | 33073  | 18.789 | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 35147  | 88.790 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 36686  | 17.282 | ug/l | 96     |
| 13) Acrolein                  | 3.57 | 56  | 31867  | 72.637 | ug/l | 98     |
| 14) Allyl chloride            | 4.29 | 41  | 67509  | 18.082 | ug/l | 97     |
| 15) Acrylonitrile             | 4.94 | 53  | 104441 | 89.725 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 88368  | 92.686 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.03 | 76  | 108949 | 16.875 | ug/l | 100    |
| 18) Methyl Acetate            | 4.29 | 43  | 49275  | 18.362 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 133131 | 18.241 | ug/l | 97     |
| 20) Methylene Chloride        | 4.52 | 84  | 42817  | 18.256 | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 39832  | 17.606 | ug/l | 99     |
| 22) Diisopropyl ether         | 5.91 | 45  | 150003 | 19.017 | ug/l | 98     |
| 23) Vinyl Acetate             | 5.86 | 43  | 611418 | 95.002 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 79625  | 18.517 | ug/l | 100    |
| 25) 2-Butanone                | 6.79 | 43  | 137186 | 88.921 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 66221  | 19.573 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 47255  | 18.380 | ug/l | 100    |
| 28) Bromochloromethane        | 7.17 | 49  | 41936  | 20.384 | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 94063  | 86.172 | ug/l | 99     |
| 30) Chloroform                | 7.34 | 83  | 75026  | 18.200 | ug/l | 100    |
| 31) Cyclohexane               | 7.63 | 56  | 75638  | 17.448 | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 63703  | 17.926 | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 57477  | 18.594 | ug/l | 99     |
| 37) Ethyl Acetate             | 6.89 | 43  | 59979  | 17.957 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 50219  | 18.126 | ug/l | 100    |

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 ALS Vial : 5 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 69552    | 18.933  | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 173936   | 18.639  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 85418    | 59.922  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 61737    | 19.359  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 102397   | 18.589  | ug/l   | 99       |
| 44) Trichloroethene            | 8.81  | 130  | 44363    | 18.858  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 47565    | 19.317  | ug/l   | 99       |
| 46) Dibromomethane             | 9.19  | 93   | 28695    | 19.276  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.38  | 83   | 58984    | 19.068  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.18  | 41   | 44175    | 18.012  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 11154    | 382.620 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 289504   | 92.357  | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 105917   | 18.794  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 68675    | 19.327  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 74205    | 19.036  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 41513    | 19.147  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 61282    | 18.127  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 72749    | 19.336  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 146547   | 87.219  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 205411   | 90.969  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 42200    | 18.843  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 41743    | 19.147  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.62 | 164  | 41690    | 18.166  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.42 | 112  | 106510   | 18.423  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 39266    | 18.759  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.50 | 91   | 200088   | 18.611  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.61 | 106  | 146971   | 36.787  | ug/l   | 98       |
| 69) o-Xylene                   | 11.94 | 106  | 71050    | 18.629  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 113296   | 18.163  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 28956    | 17.765  | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.24 | 105  | 188996   | 18.432  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.06 | 43   | 85420    | 18.028  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 57567    | 18.565  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 77049    | 26.134  | ug/l # | 100      |
| 77) Bromobenzene               | 12.52 | 156  | 46238    | 18.714  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 223126   | 18.419  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 132326   | 18.282  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 160404   | 18.434  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 20710    | 18.041  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 135749   | 18.414  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 133942   | 18.569  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 161953   | 18.813  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 180913   | 18.651  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 165746   | 19.003  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 82171    | 18.856  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 81560    | 18.629  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.61 | 91   | 149349   | 18.965  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 24449    | 19.284  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 79117    | 18.987  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 11242    | 17.133  | ug/l   | 92       |

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Sample : VN0327WBSD01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration

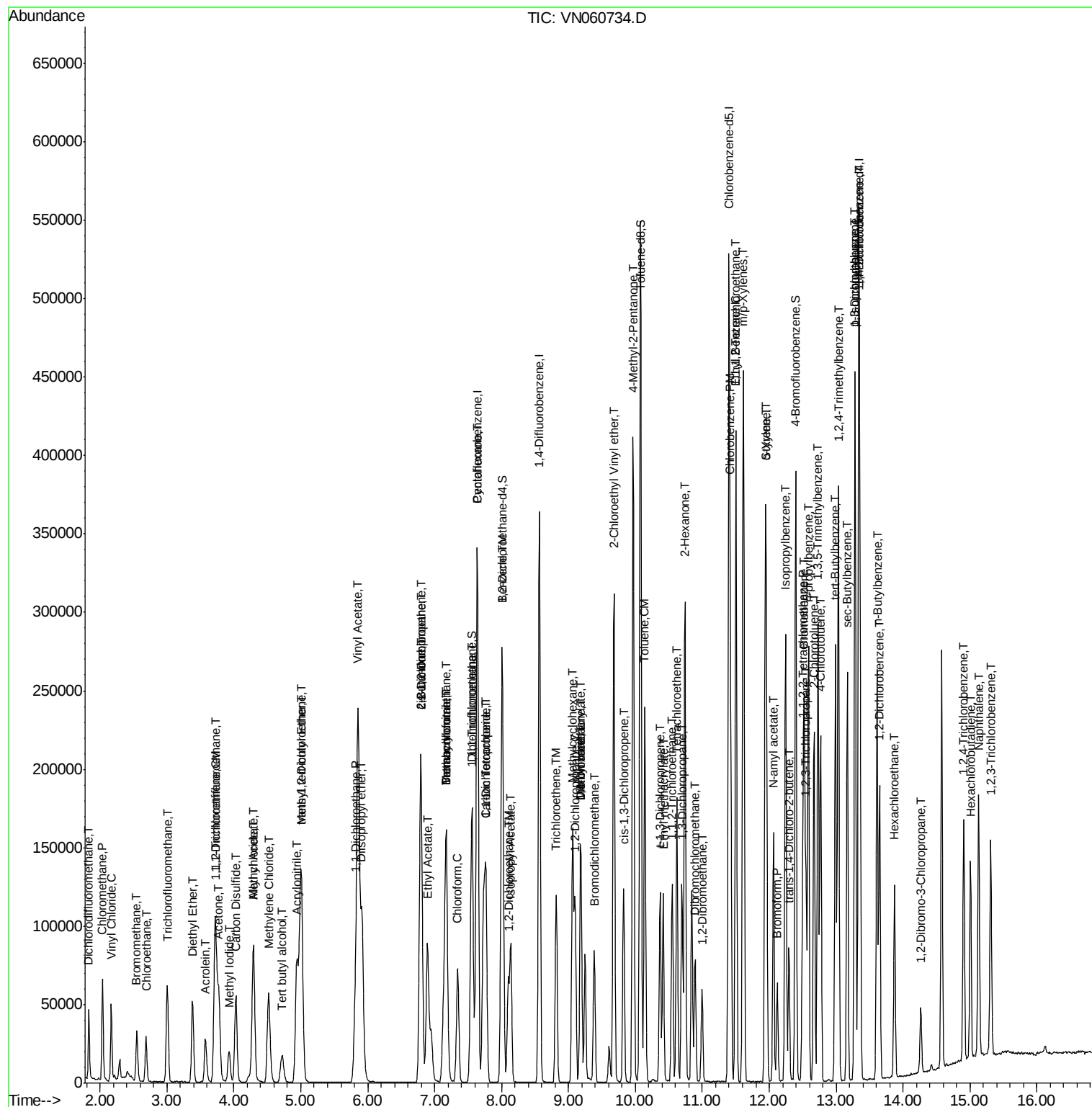
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 49330    | 19.278 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 24782    | 19.756 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 140151   | 18.210 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 46529    | 18.461 | ug/l  | 99       |

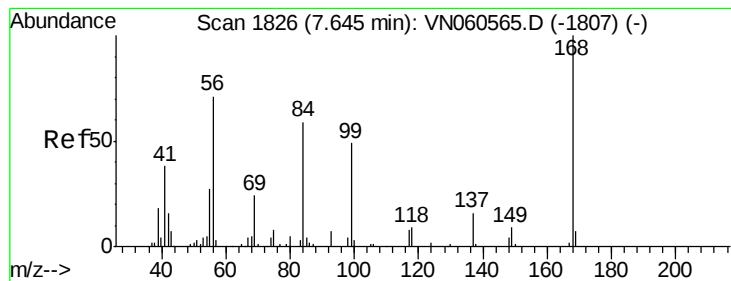
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN032720\  
Data File : VN060734.D  
Acq On : 27 Mar 2020 12:14  
Operator : JC/MD  
Sample : VN0327WBSD01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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Quant Time: Mar 28 01:57:26 2020  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

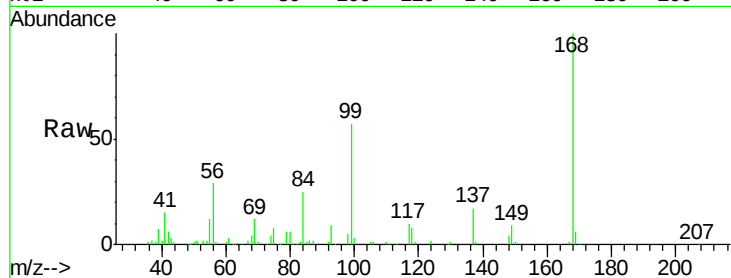
VN0327WBSD01

Tgt Ion:168 Resp: 196068

Ion Ratio Lower Upper

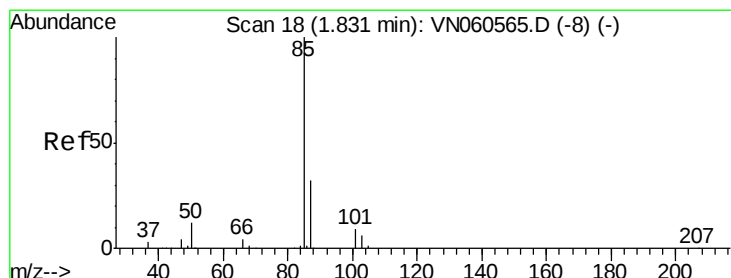
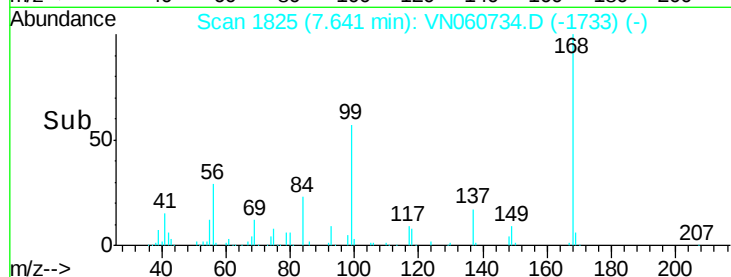
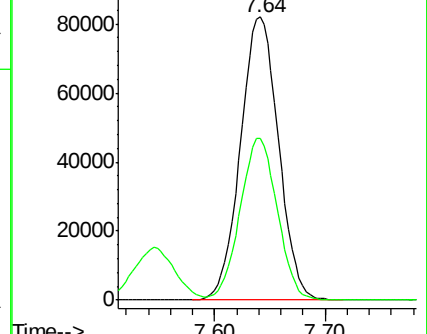
168 100

99 57.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.542 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060734.D

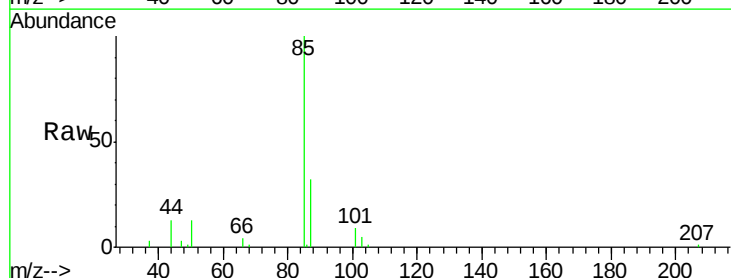
Acq: 27 Mar 2020 12:14

Tgt Ion: 85 Resp: 33280

Ion Ratio Lower Upper

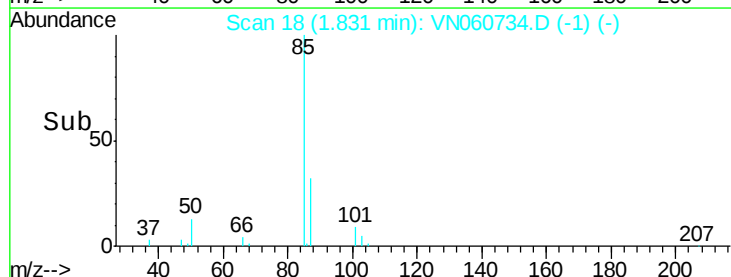
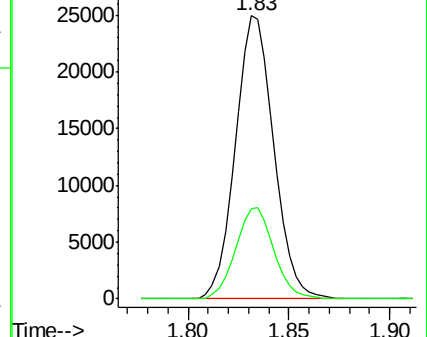
85 100

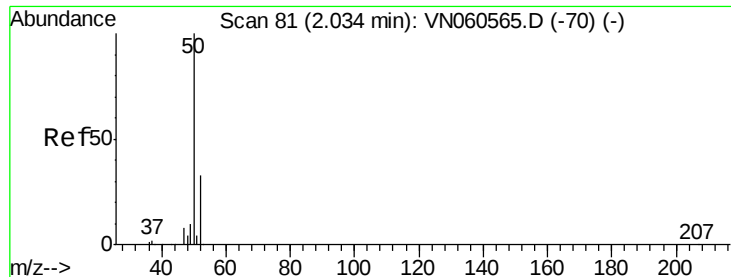
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 15.610 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

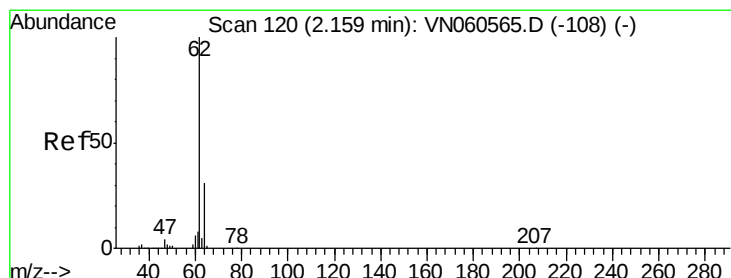
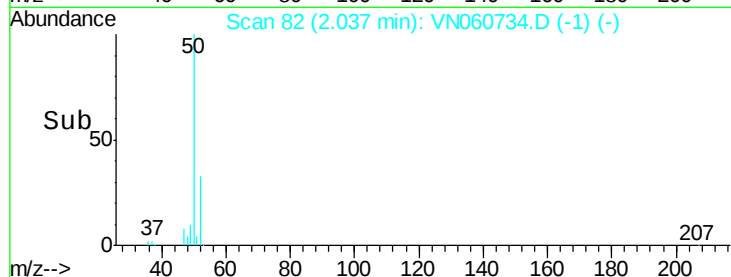
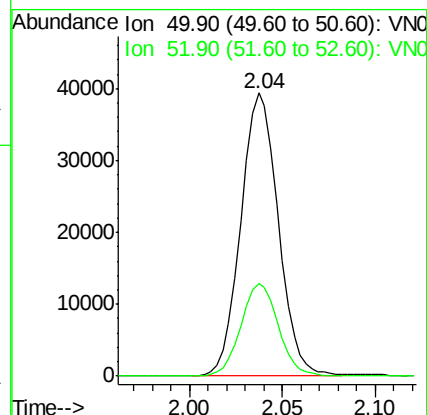
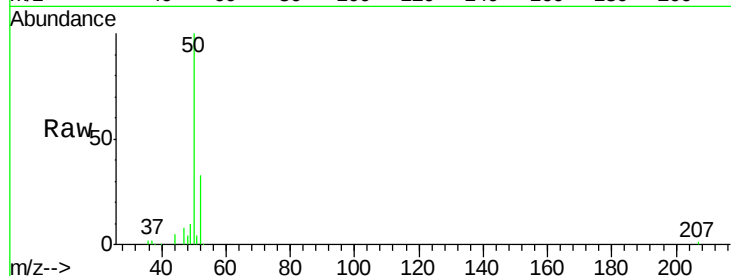
VN0327WBSD01

Tgt Ion: 50 Resp: 55309

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



#4

Vinyl Chloride

Concen: 15.766 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN060734.D

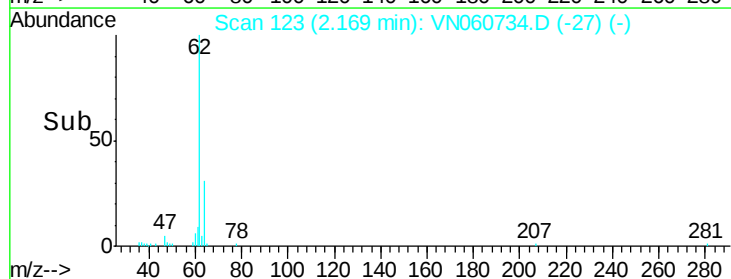
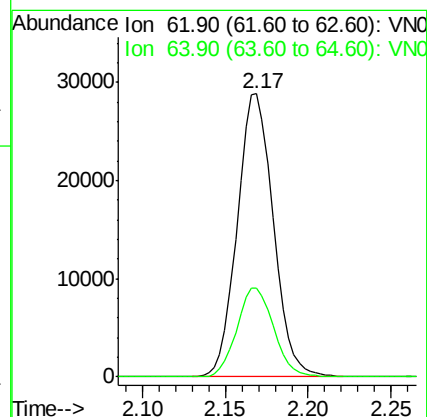
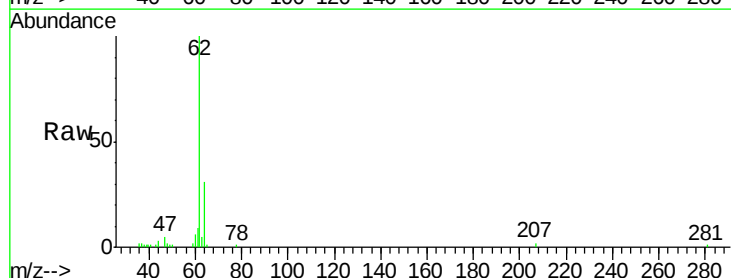
Acq: 27 Mar 2020 12:14

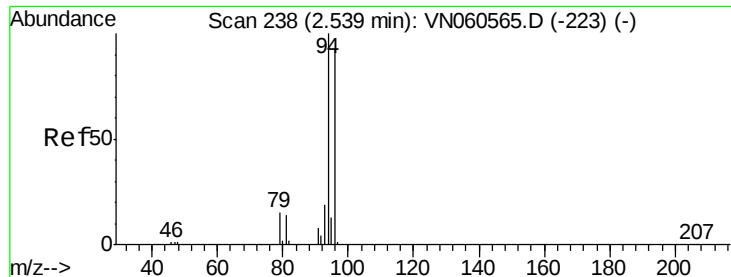
Tgt Ion: 62 Resp: 43694

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 18.640 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

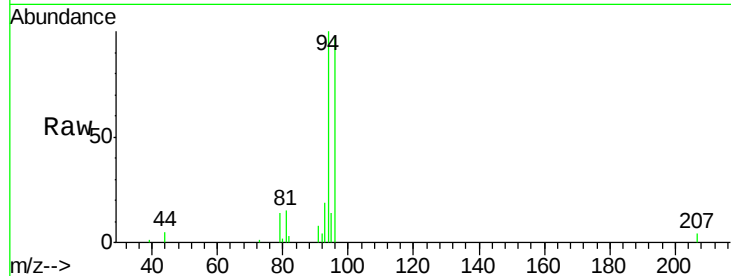
VN0327WBSD01

Tgt Ion: 94 Resp: 22300

Ion Ratio Lower Upper

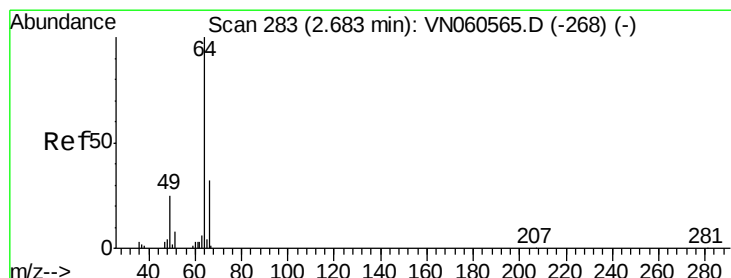
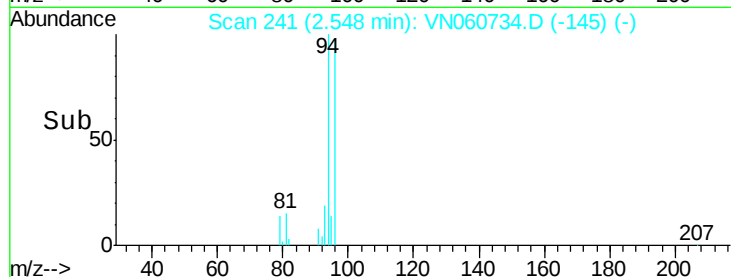
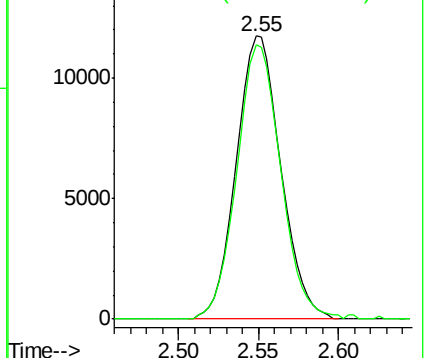
94 100

96 96.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.403 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060734.D

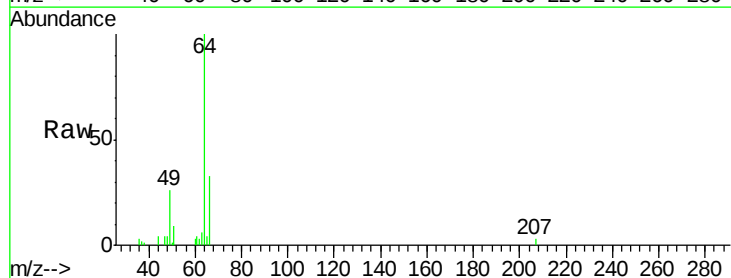
Acq: 27 Mar 2020 12:14

Tgt Ion: 64 Resp: 27782

Ion Ratio Lower Upper

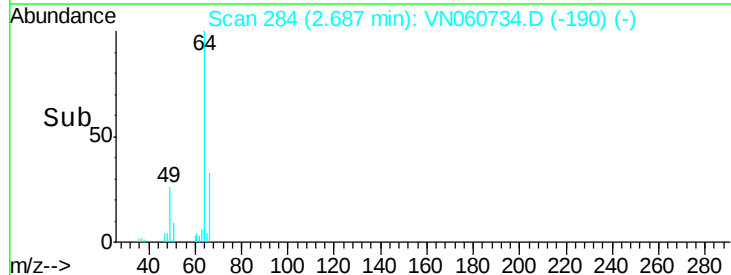
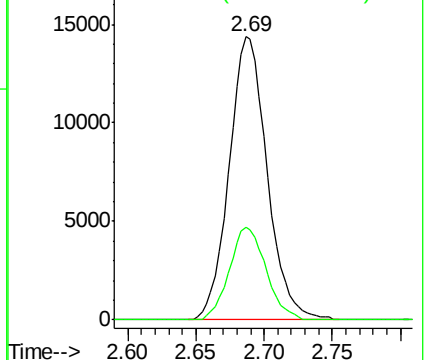
64 100

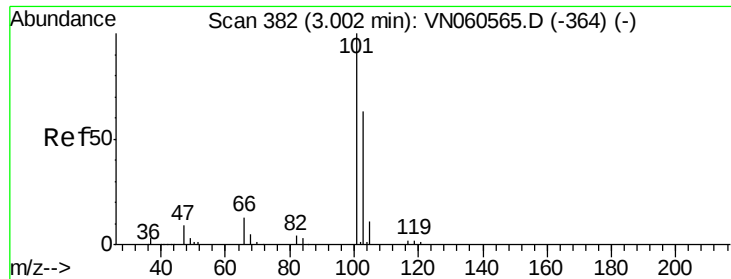
66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



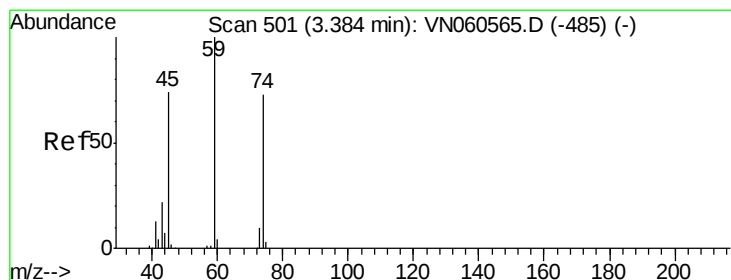
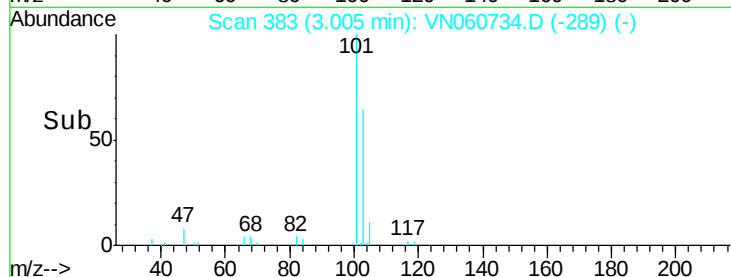
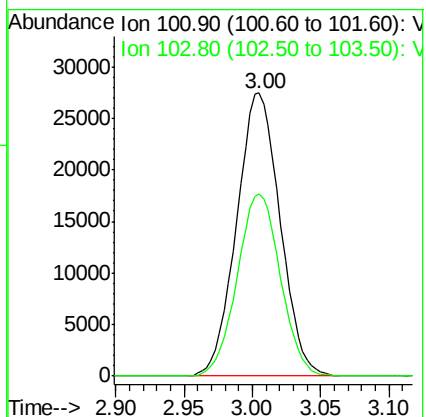
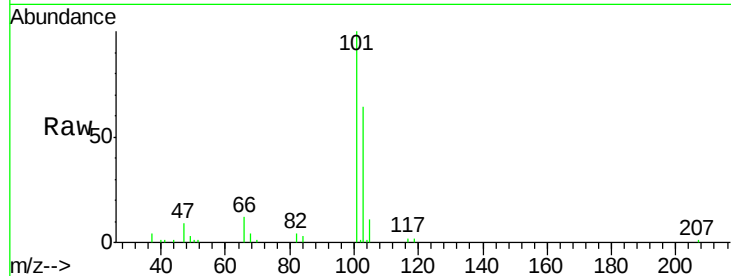


#7

Trichlorofluoromethane  
 Concen: 17.753 ug/l  
 RT: 3.00 min Scan# 383  
 Delta R.T. 0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

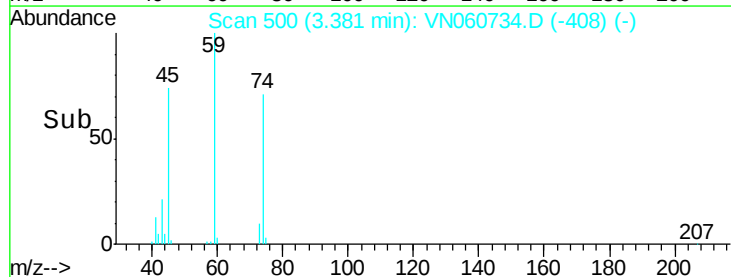
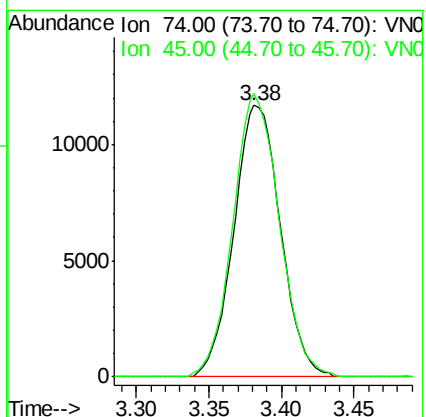
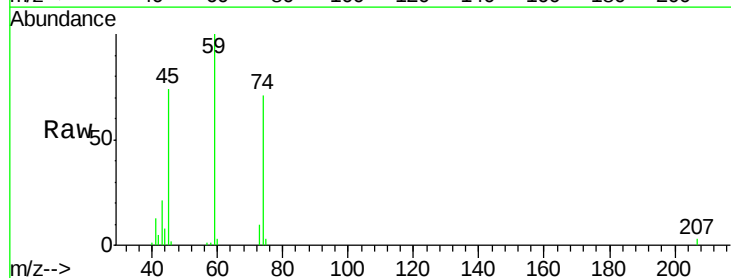
Tgt Ion:101 Resp: 60608  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 50.6 76.0

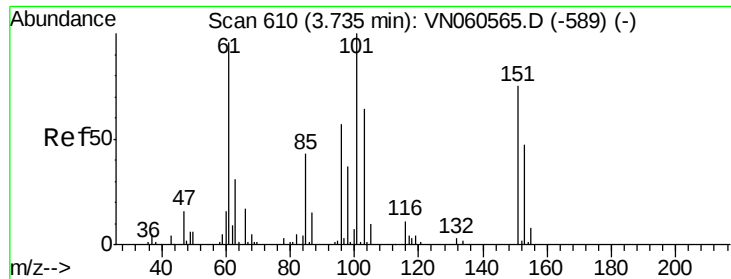


#8

Diethyl Ether  
 Concen: 19.029 ug/l  
 RT: 3.38 min Scan# 500  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion: 74 Resp: 26097  
 Ion Ratio Lower Upper  
 74 100  
 45 103.9 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.659 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

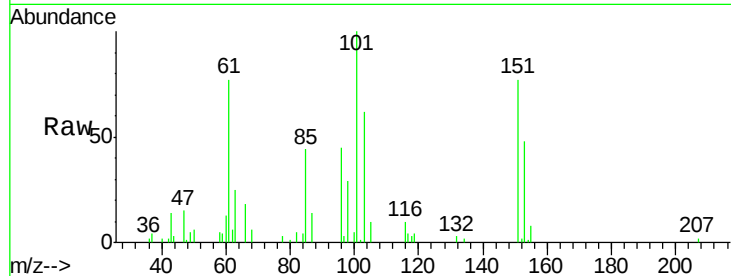
Tgt Ion:101 Resp: 36910

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

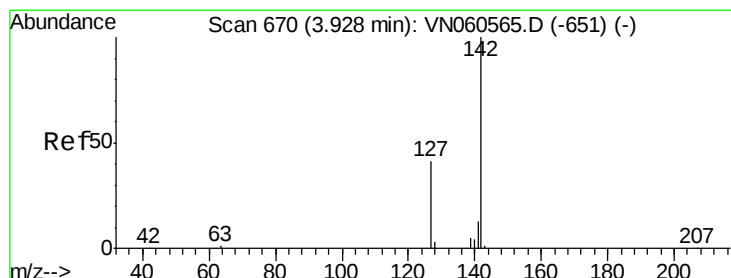
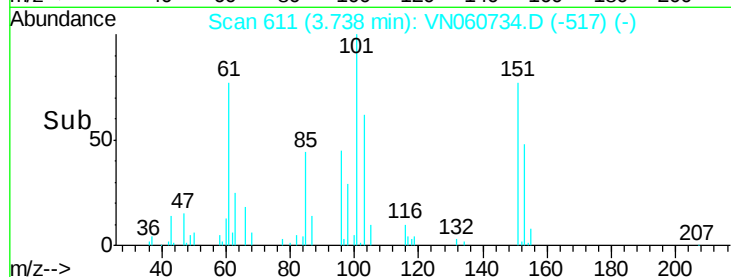
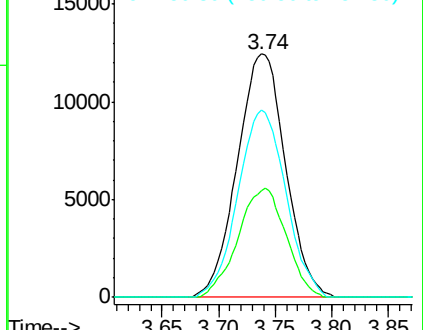
151 76.3 61.4 92.2



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: 18.789 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

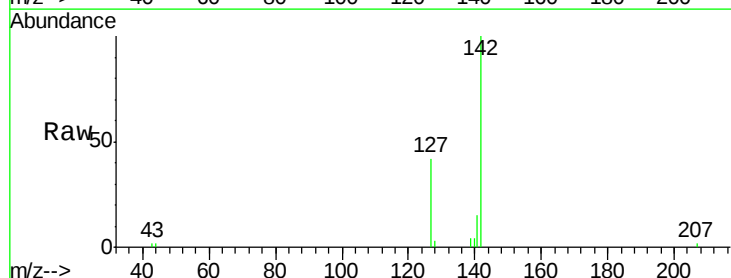
Tgt Ion:142 Resp: 33073

Ion Ratio Lower Upper

142 100

127 40.8 33.5 50.3

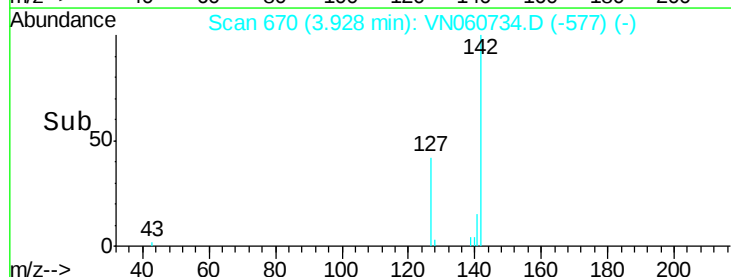
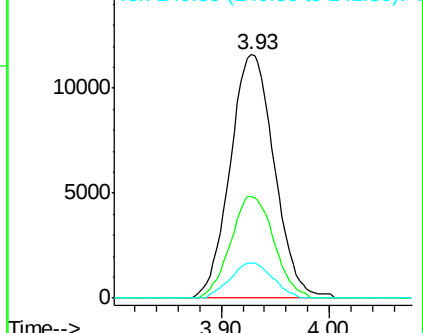
141 13.7 11.0 16.6

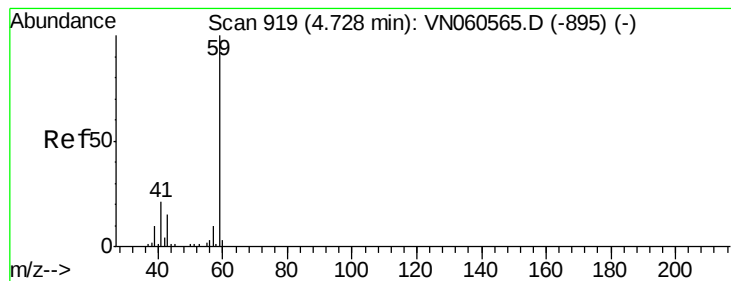


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



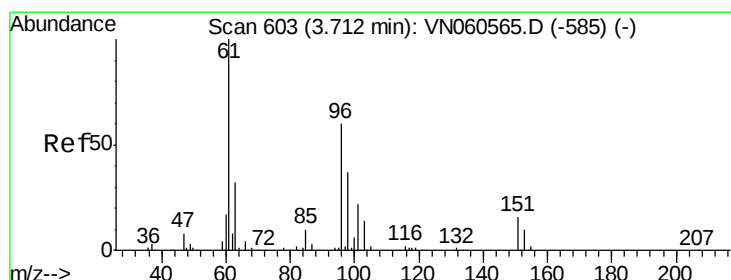
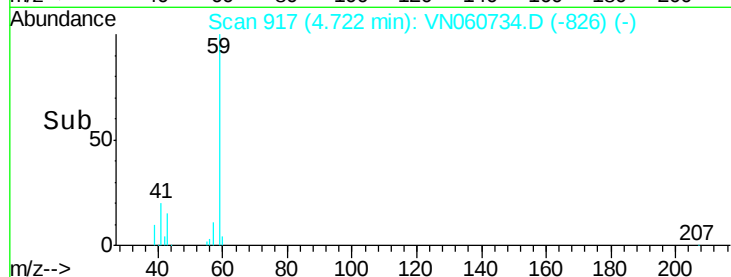
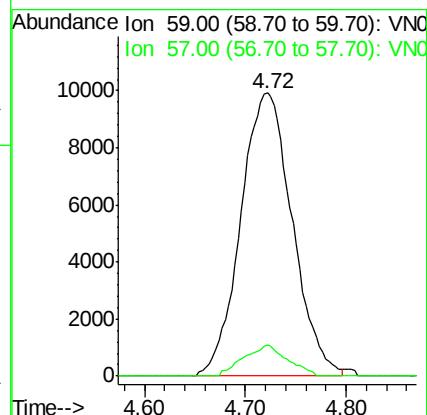
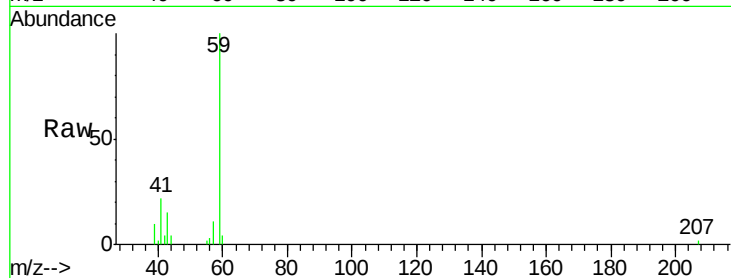


#11

Tert butyl alcohol  
 Concen: 88.790 ug/l  
 RT: 4.72 min Scan# 917  
 Delta R.T. -0.01 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

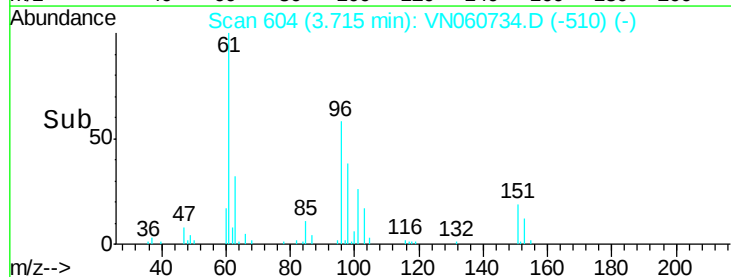
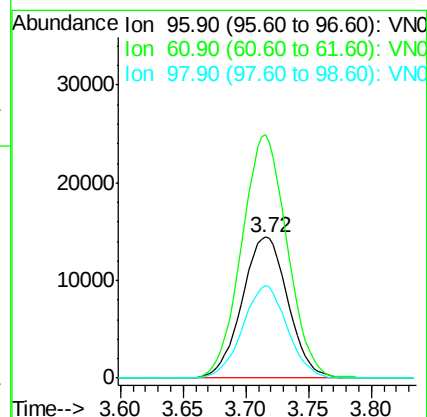
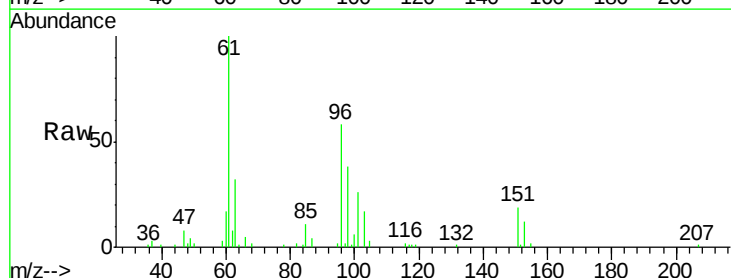
Tgt Ion: 59 Resp: 35147  
 Ion Ratio Lower Upper  
 59 100  
 57 9.4 8.2 12.4

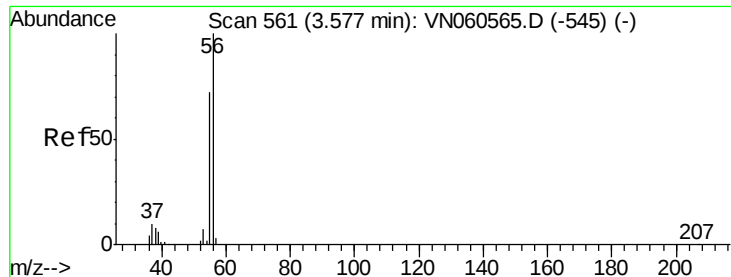


#12

1,1-Dichloroethene  
 Concen: 17.282 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. 0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion: 96 Resp: 36686  
 Ion Ratio Lower Upper  
 96 100  
 61 173.0 134.1 201.1  
 98 65.9 49.9 74.9





#13

Acrolein

Concen: 72.637 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

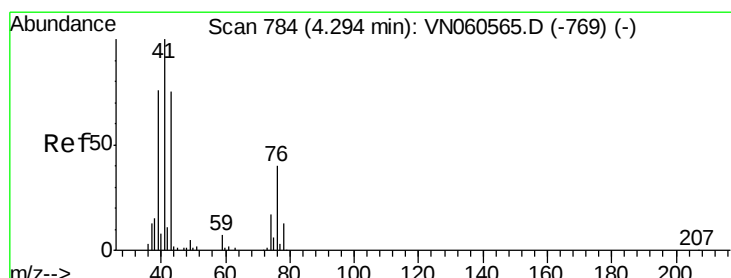
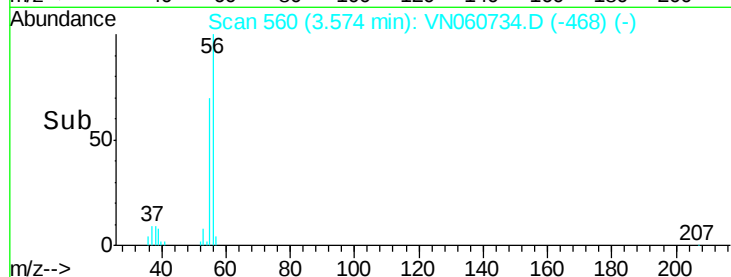
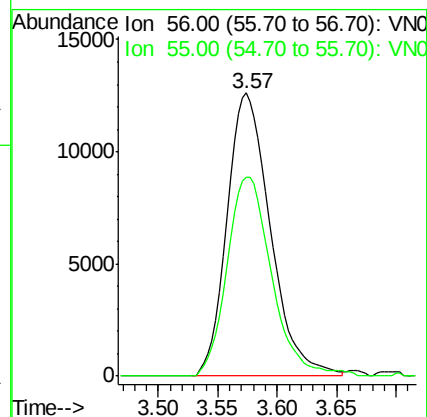
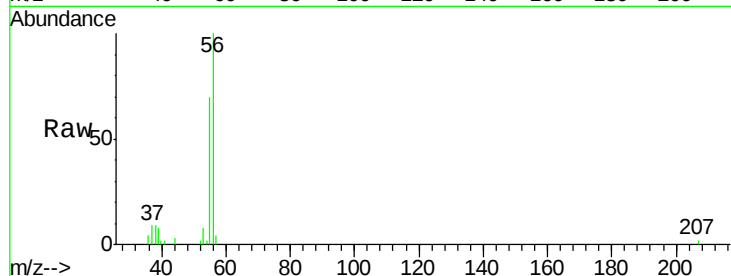
VN0327WBSD01

Tgt Ion: 56 Resp: 31867

Ion Ratio Lower Upper

56 100

55 72.4 56.7 85.1



#14

Allyl chloride

Concen: 18.082 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

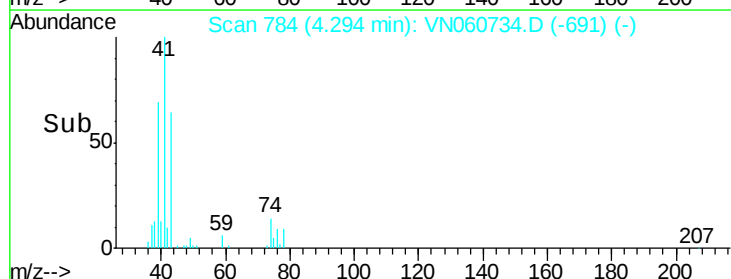
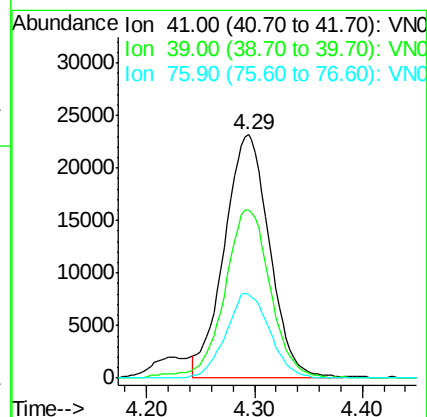
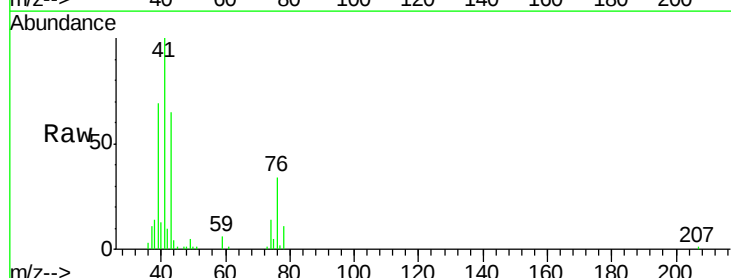
Tgt Ion: 41 Resp: 67509

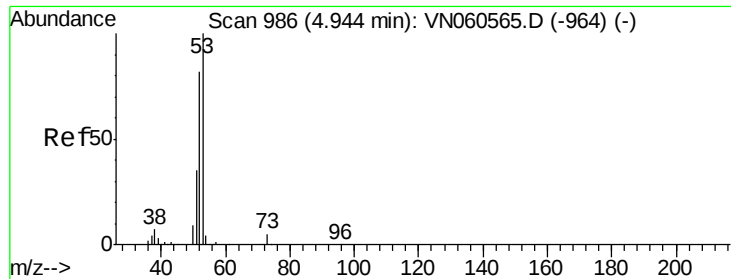
Ion Ratio Lower Upper

41 100

39 70.1 57.8 86.8

76 33.7 28.6 43.0





#15

Acrylonitrile

Concen: 89.725 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

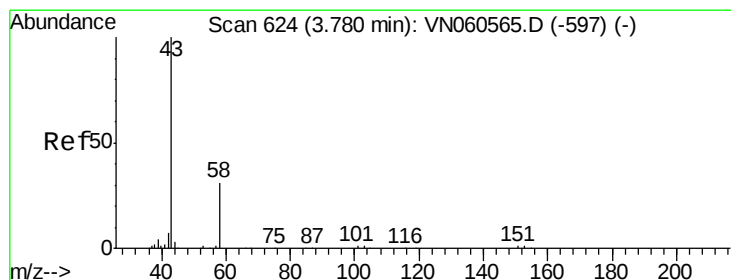
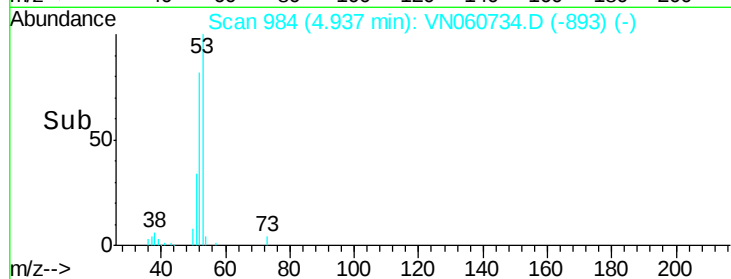
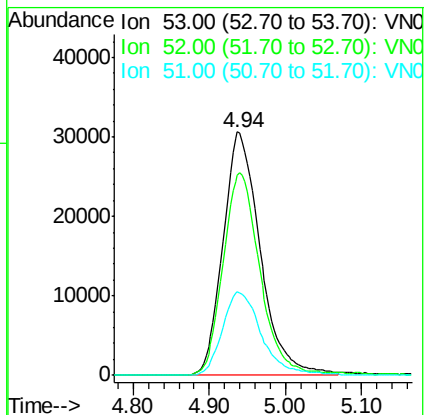
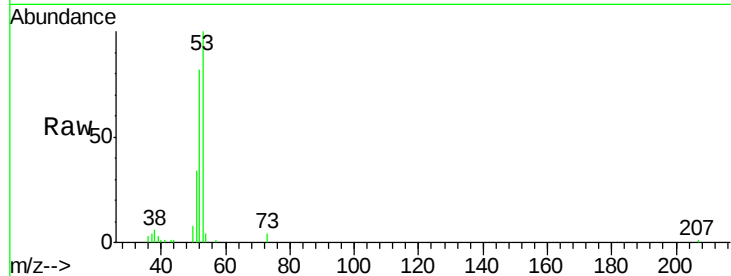
Tgt Ion: 53 Resp: 104441

Ion Ratio Lower Upper

53 100

52 81.6 66.2 99.4

51 35.9 28.7 43.1



#16

Acetone

Concen: 92.686 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060734.D

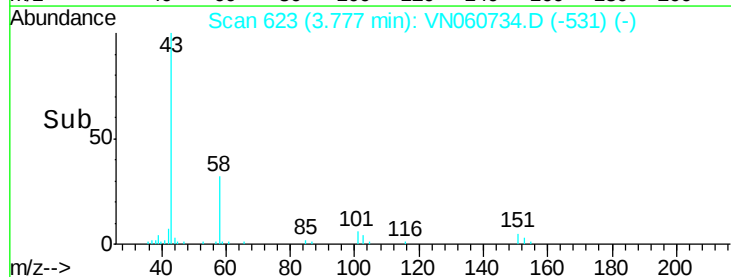
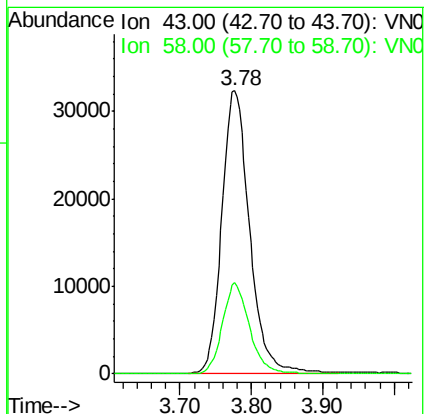
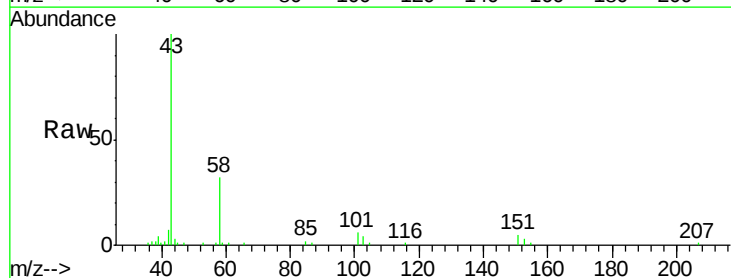
Acq: 27 Mar 2020 12:14

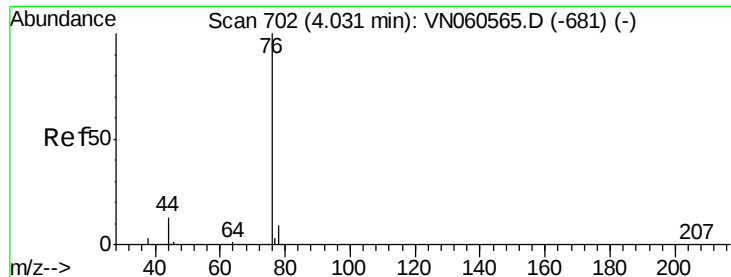
Tgt Ion: 43 Resp: 88368

Ion Ratio Lower Upper

43 100

58 32.3 25.1 37.7





#17

Carbon Disulfide

Concen: 16.875 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

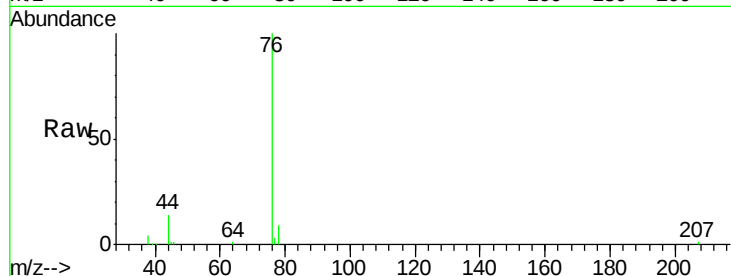
VN0327WBSD01

Tgt Ion: 76 Resp: 108949

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

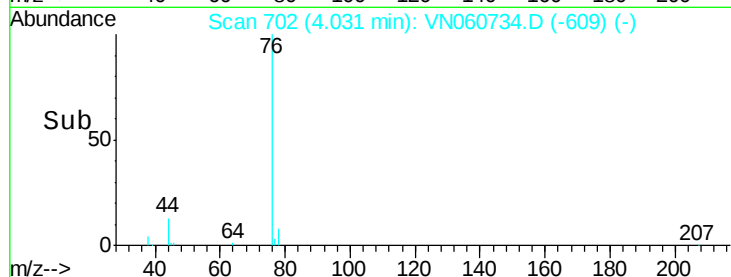


Abundance Ion 75.90 (75.60 to 76.60): VN060734.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060734.D (-681) (-)

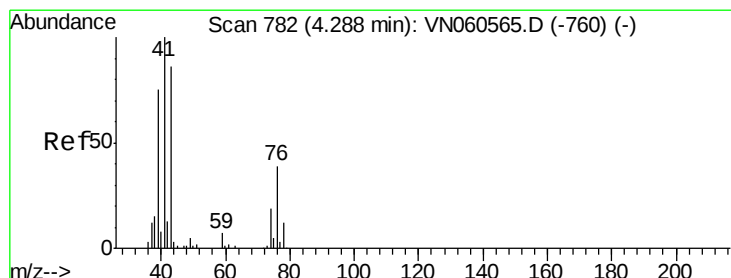
4.03

Time-->



4.03

Time-->



#18

Methyl Acetate

Concen: 18.362 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060734.D

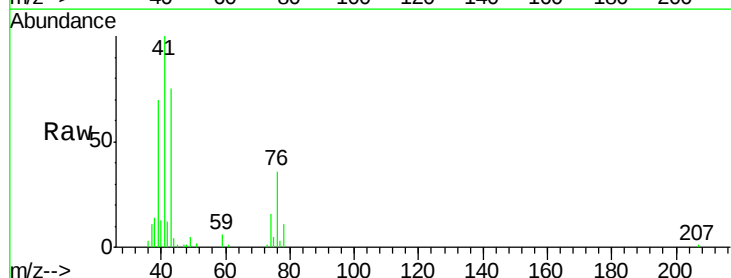
Acq: 27 Mar 2020 12:14

Tgt Ion: 43 Resp: 49275

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3

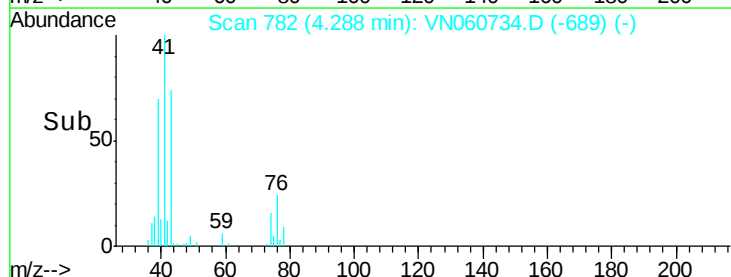


Abundance Ion 43.00 (42.70 to 43.70): VN060734.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060734.D (-689) (-)

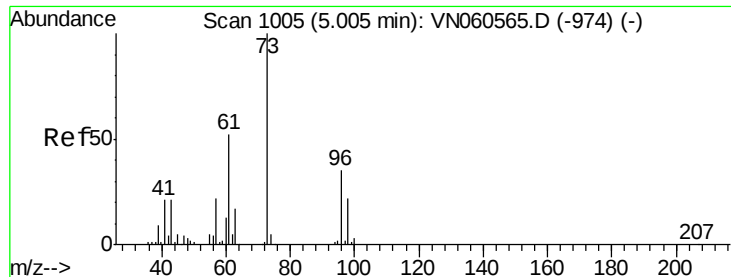
4.29

Time-->



4.29

Time-->



#19

Methyl tert-butyl Ether

Concen: 18.241 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

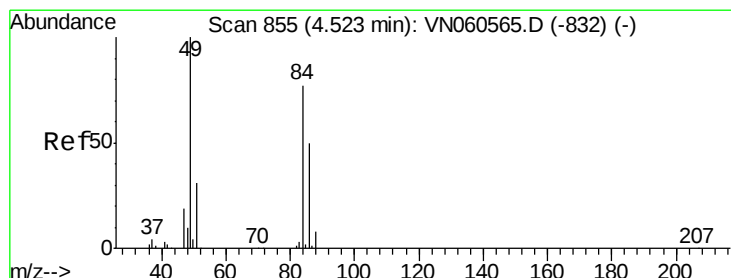
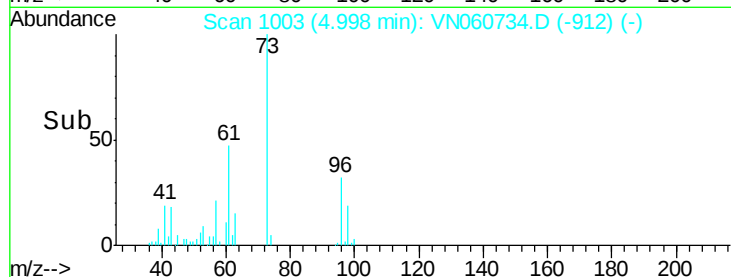
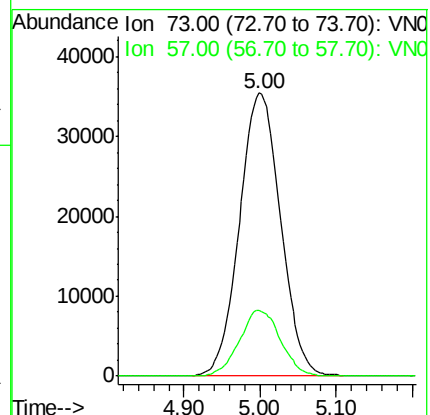
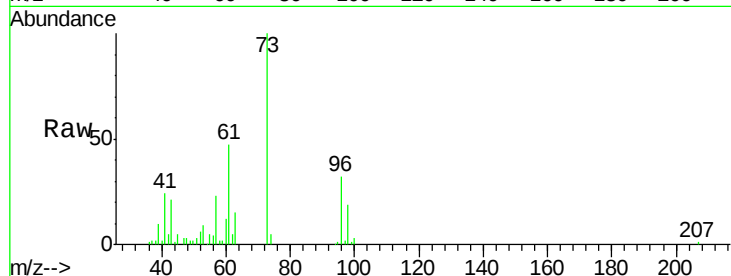
VN0327WBSD01

Tgt Ion: 73 Resp: 133131

Ion Ratio Lower Upper

73 100

57 23.3 17.5 26.3



#20

Methylene Chloride

Concen: 18.256 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Tgt Ion: 84 Resp: 42817

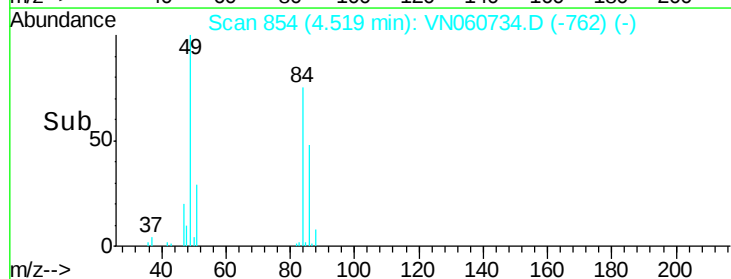
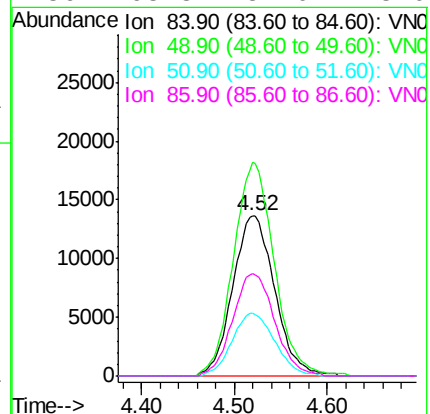
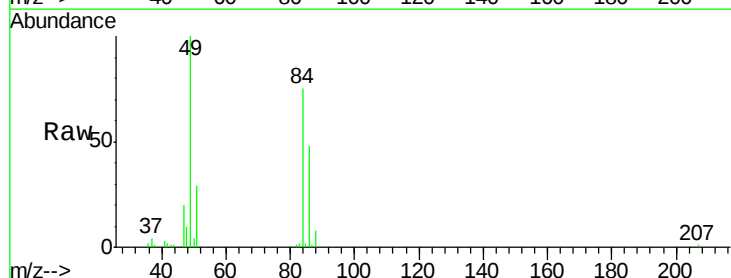
Ion Ratio Lower Upper

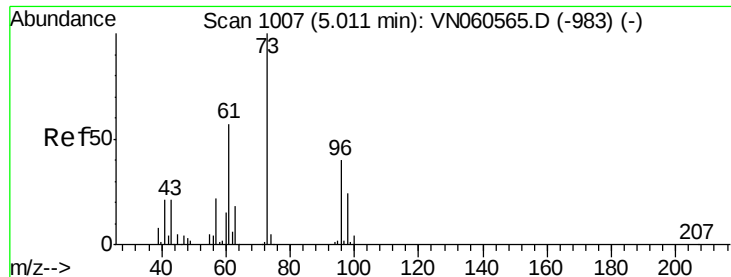
84 100

49 133.0 103.3 154.9

51 39.1 31.6 47.4

86 63.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 17.606 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

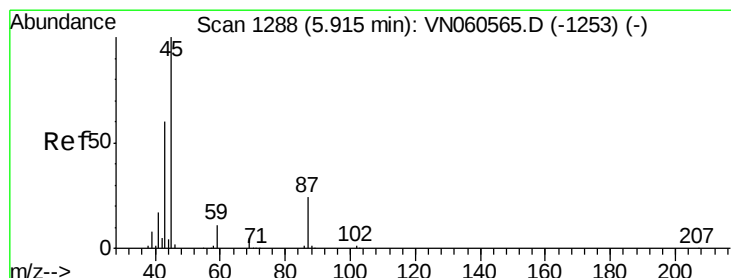
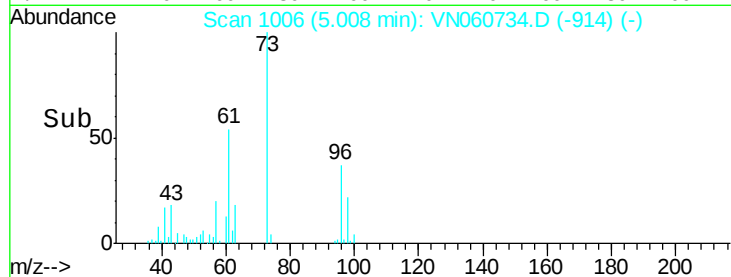
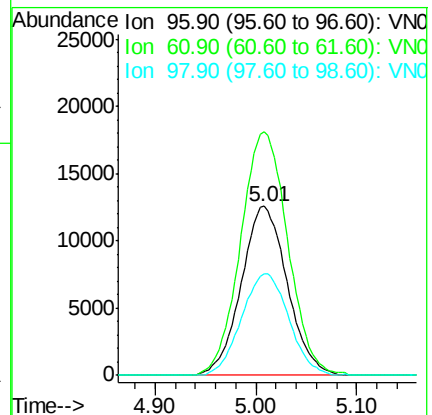
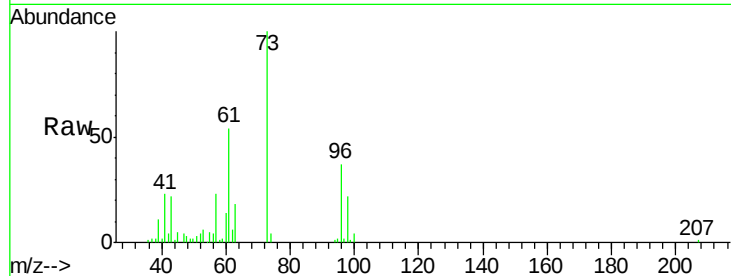
Tgt Ion: 96 Resp: 39832

Ion Ratio Lower Upper

96 100

61 144.1 114.4 171.6

98 60.3 48.4 72.6



#22

Diisopropyl ether

Concen: 19.017 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Tgt Ion: 45 Resp: 150003

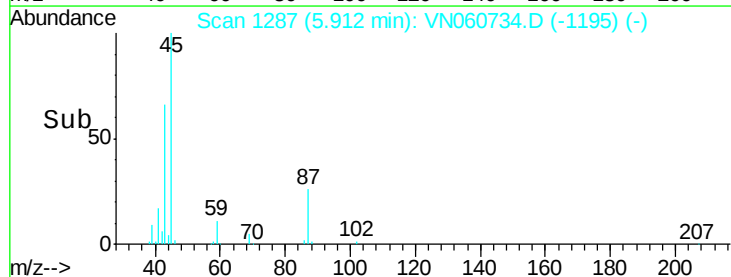
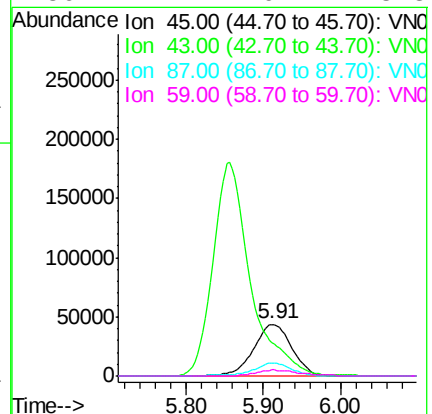
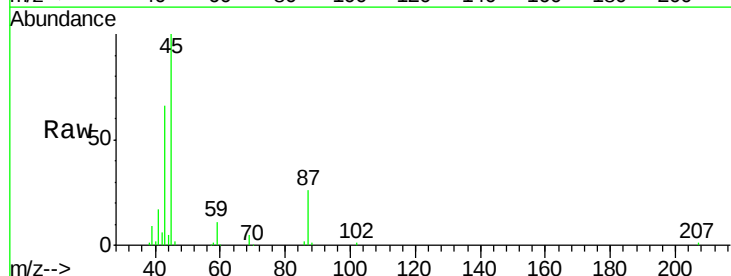
Ion Ratio Lower Upper

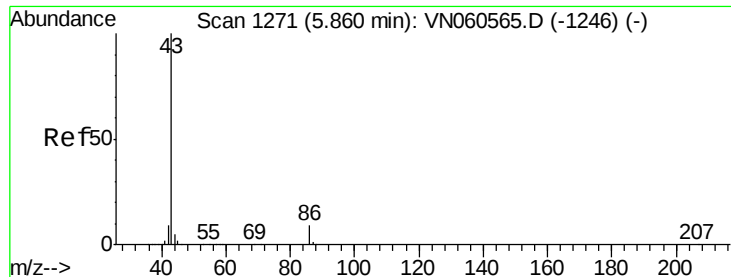
45 100

43 63.8 49.8 74.8

87 25.8 20.1 30.1

59 11.4 9.2 13.8

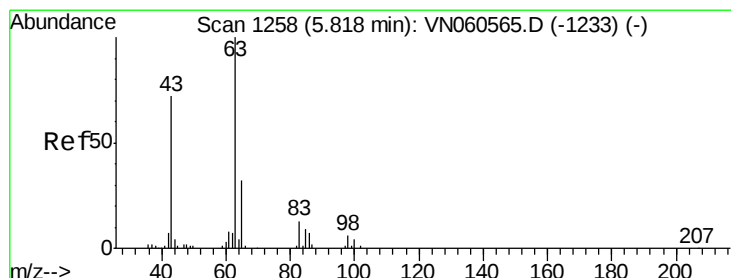
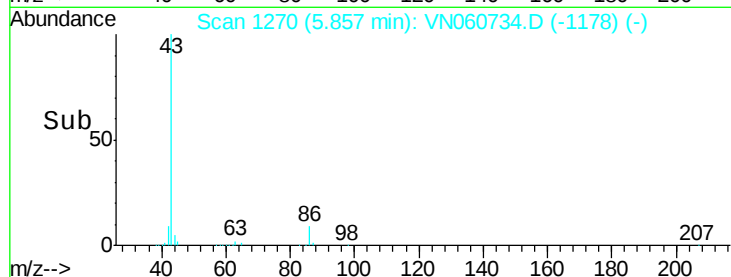
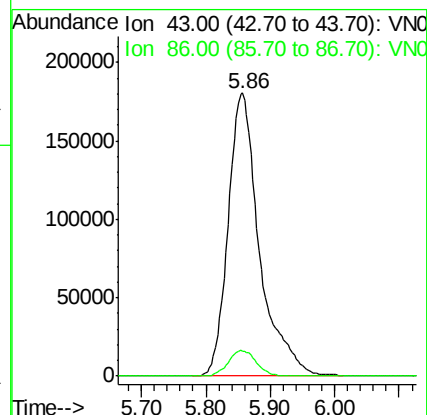
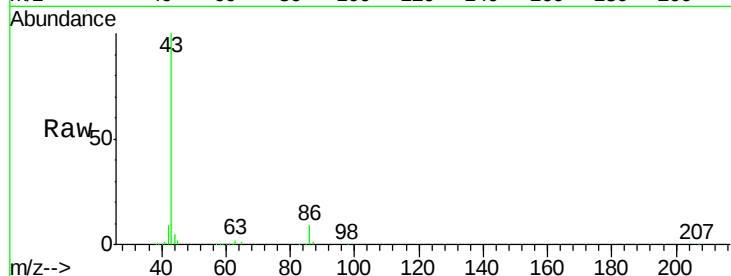




#23  
 Vinyl Acetate  
 Concen: 95.002 ug/l  
 RT: 5.86 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

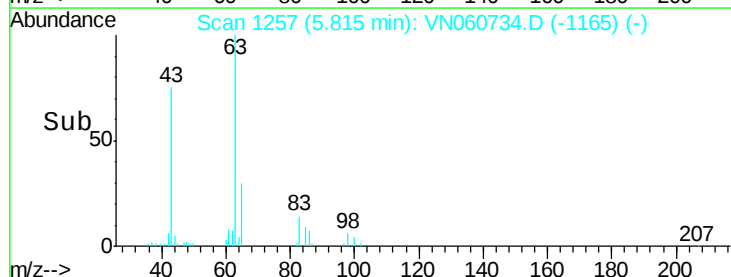
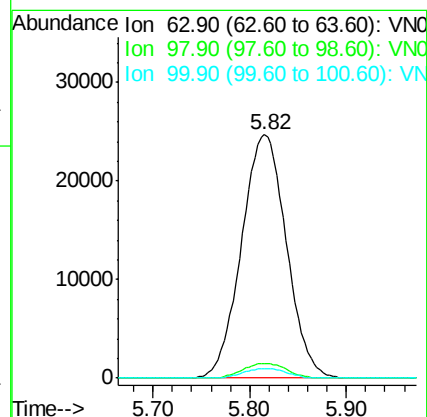
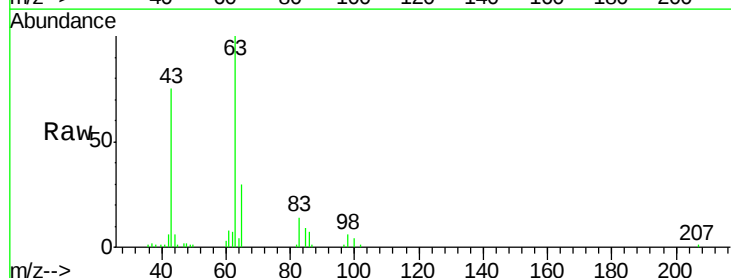
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

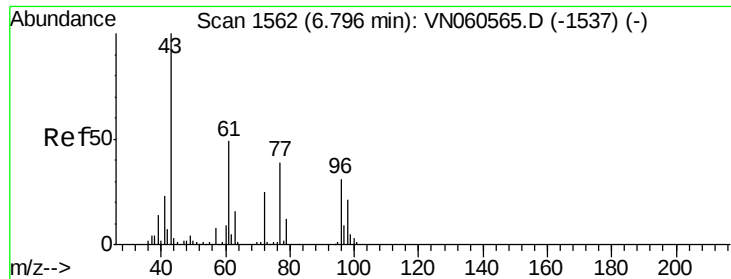
Tgt Ion: 43 Resp: 611418  
 Ion Ratio Lower Upper  
 43 100  
 86 9.0 7.6 11.4



#24  
 1,1-Dichloroethane  
 Concen: 18.517 ug/l  
 RT: 5.82 min Scan# 1257  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion: 63 Resp: 79625  
 Ion Ratio Lower Upper  
 63 100  
 98 6.0 2.9 8.7  
 100 3.8 1.8 5.5

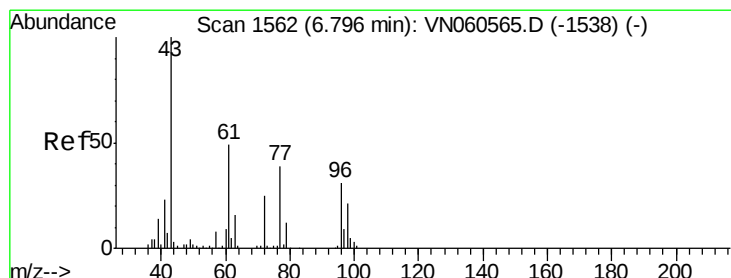
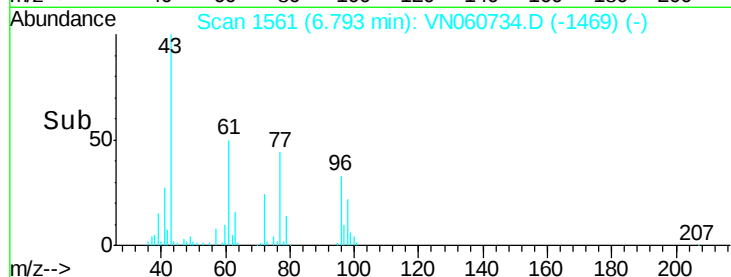
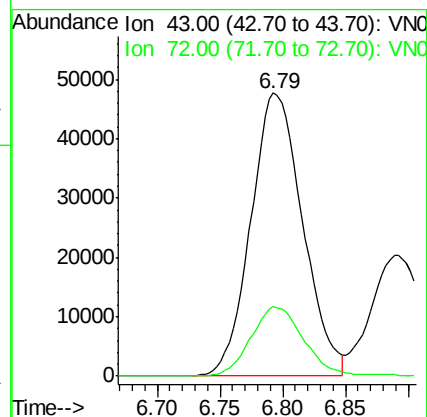
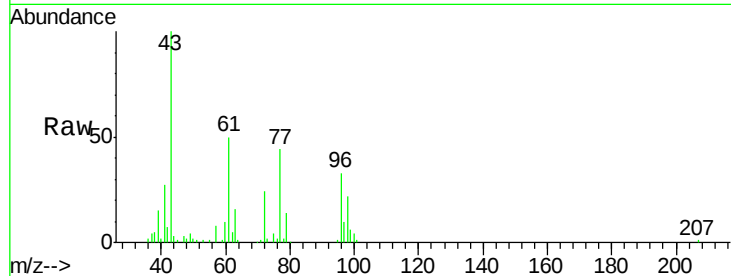




#25  
2-Butanone  
Concen: 88.921 ug/l  
RT: 6.79 min Scan# 1561  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

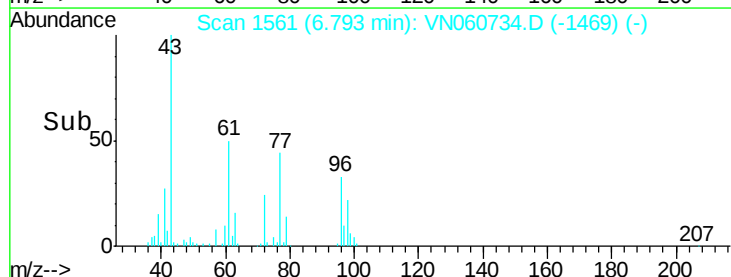
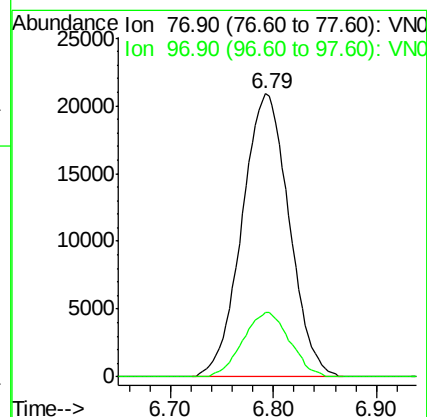
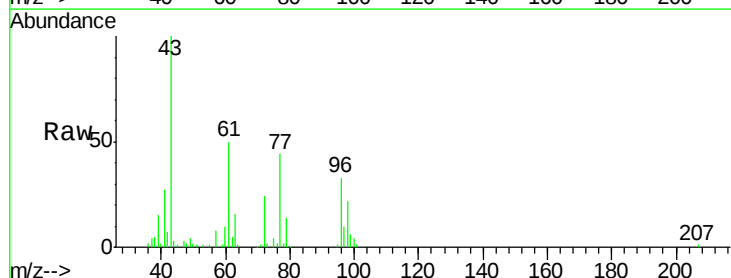
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0327WBSD01

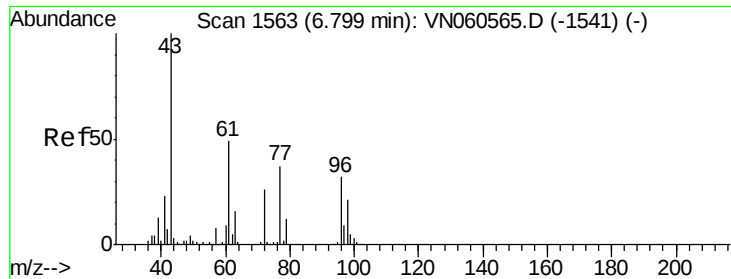
Tgt Ion: 43 Resp: 137186  
Ion Ratio Lower Upper  
43 100  
72 24.4 20.4 30.6



#26  
2,2-Dichloropropane  
Concen: 19.573 ug/l  
RT: 6.79 min Scan# 1561  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion: 77 Resp: 66221  
Ion Ratio Lower Upper  
77 100  
97 22.6 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.380 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

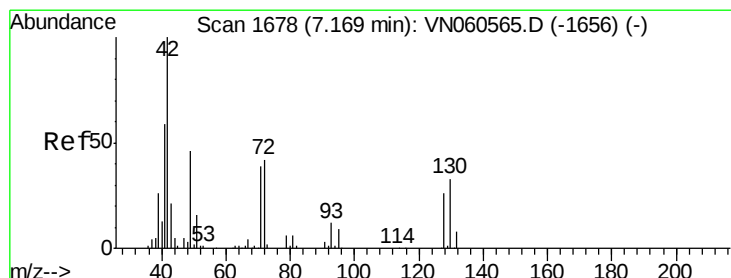
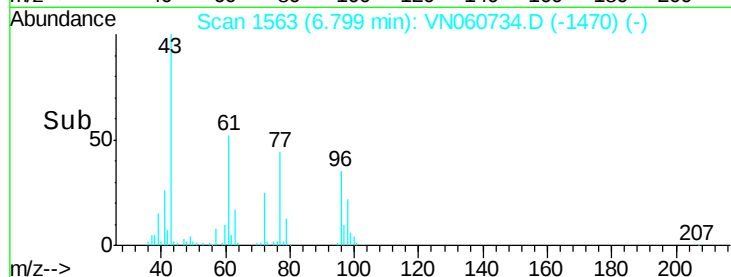
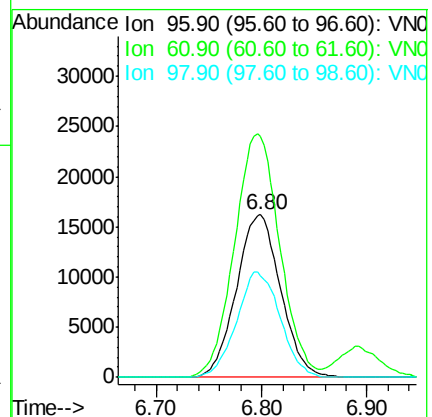
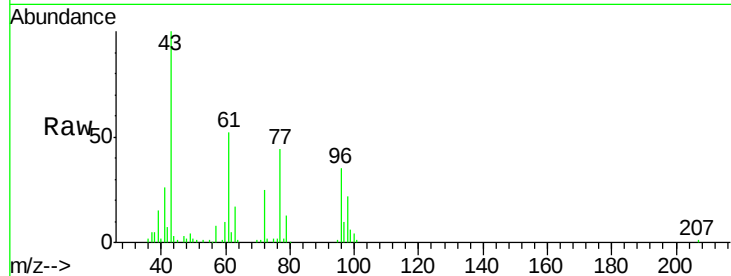
Tgt Ion: 96 Resp: 47255

Ion Ratio Lower Upper

96 100

61 152.8 0.0 305.6

98 63.7 0.0 127.6



#28

Bromochloromethane

Concen: 20.384 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

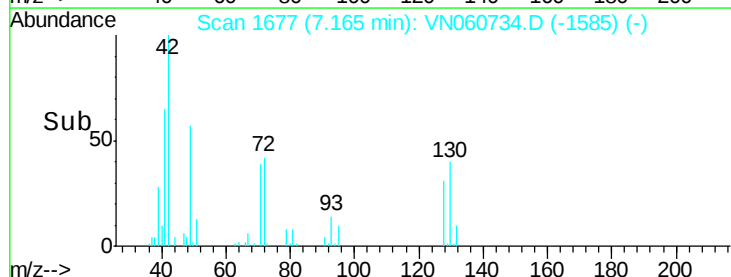
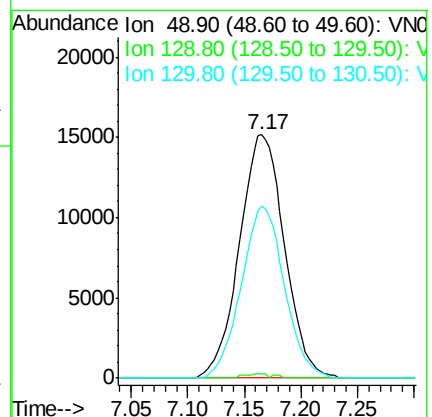
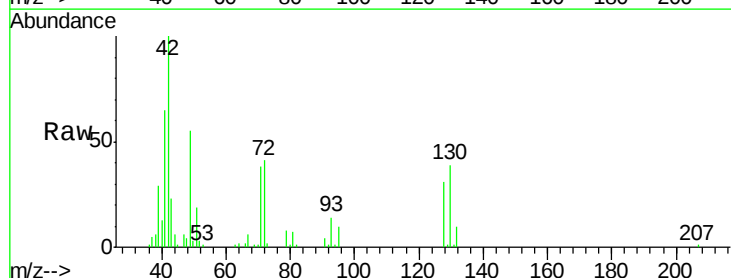
Tgt Ion: 49 Resp: 41936

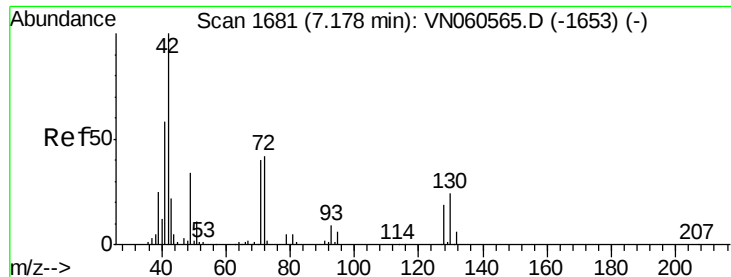
Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.4

130 67.6 55.0 82.4





#29

Tetrahydrofuran

Concen: 86.172 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

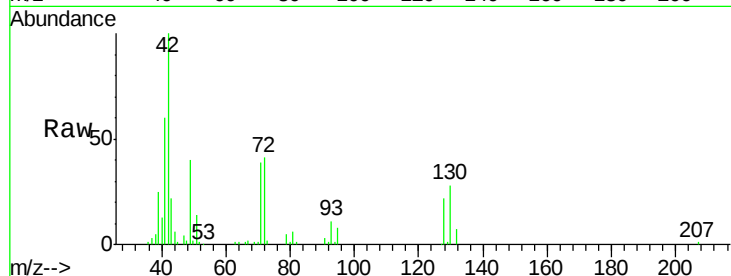
Tgt Ion: 42 Resp: 94063

Ion Ratio Lower Upper

42 100

72 40.8 33.2 49.8

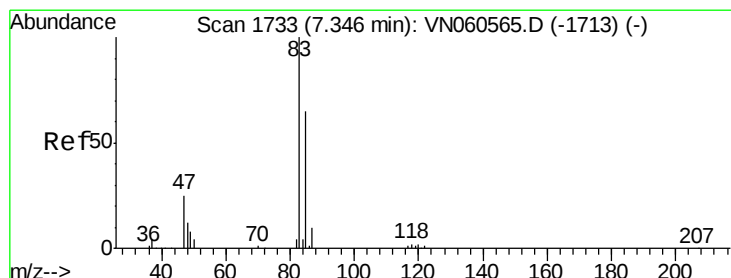
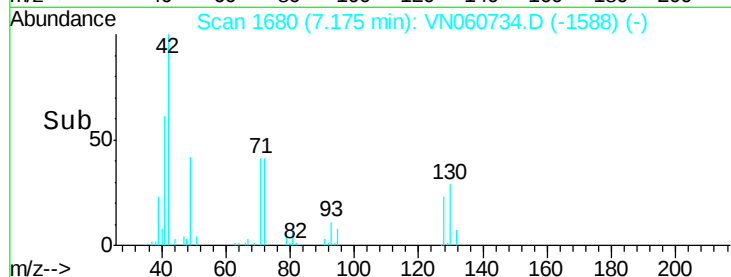
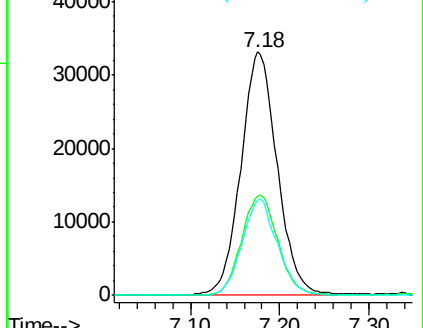
71 38.1 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.200 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060734.D

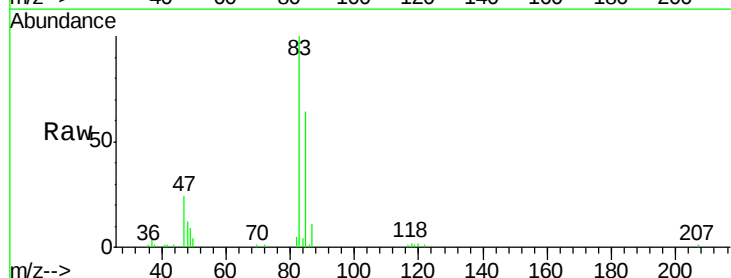
Acq: 27 Mar 2020 12:14

Tgt Ion: 83 Resp: 75026

Ion Ratio Lower Upper

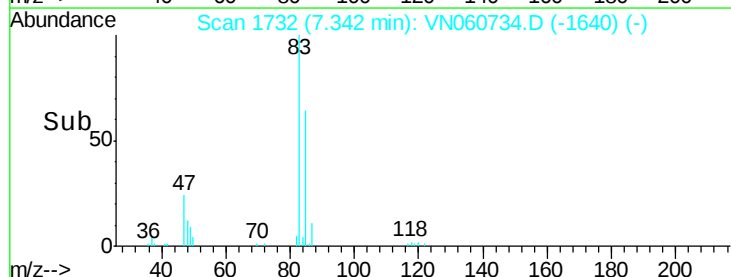
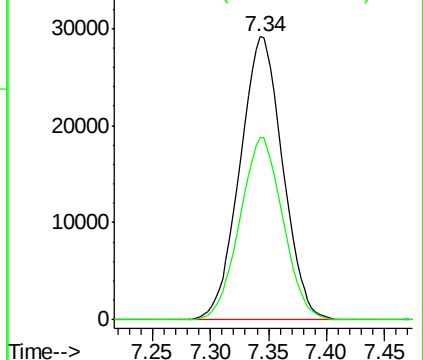
83 100

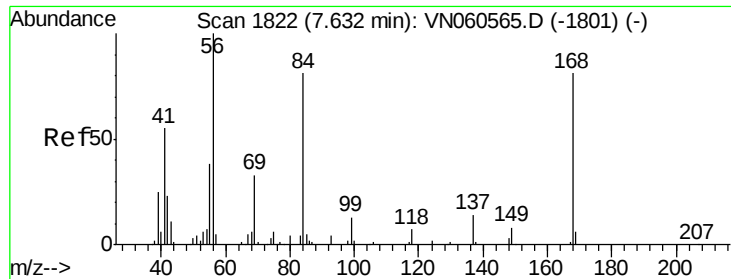
85 64.5 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

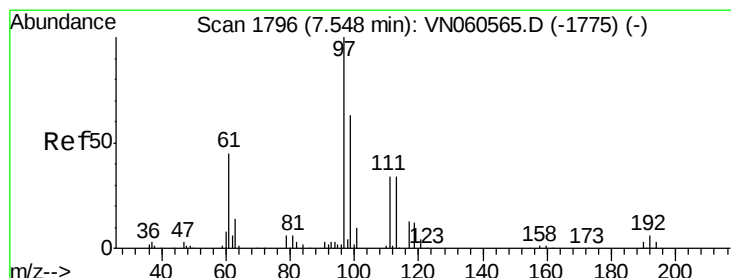
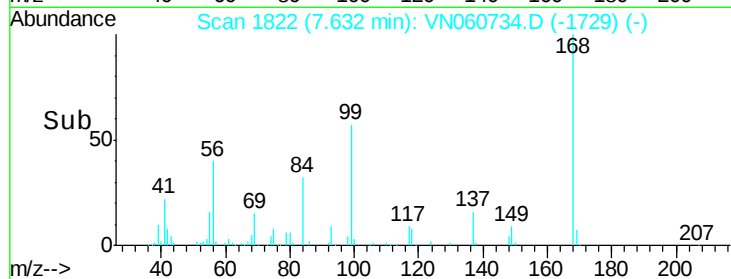
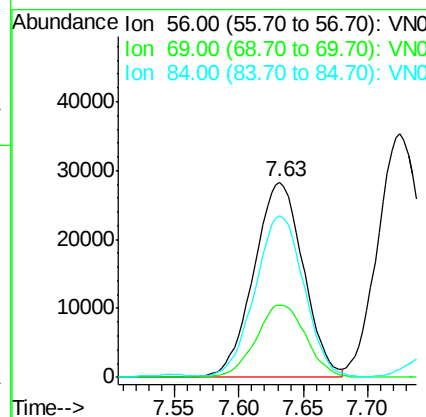
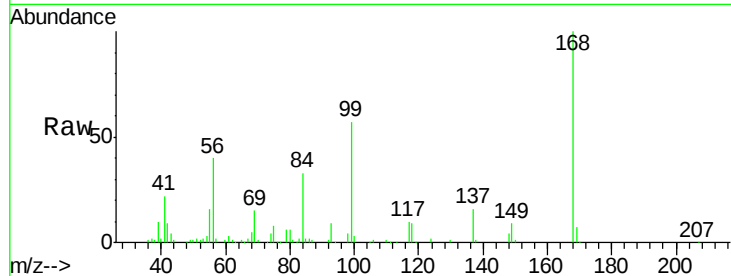




#31  
Cyclohexane  
Concen: 17.448 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

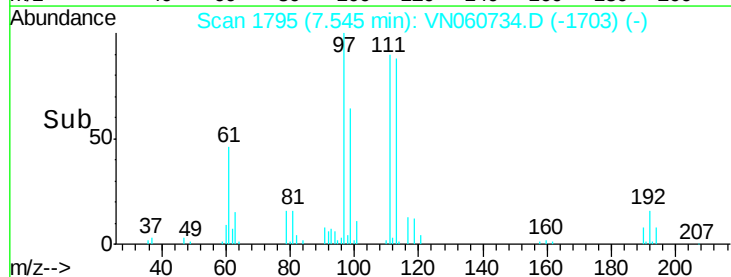
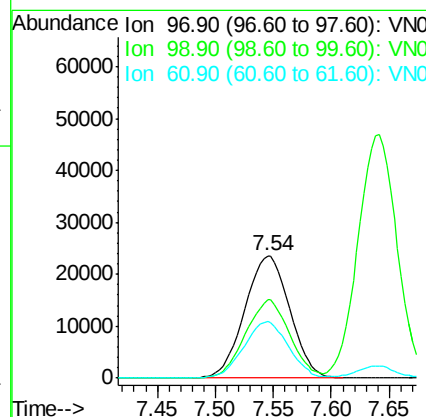
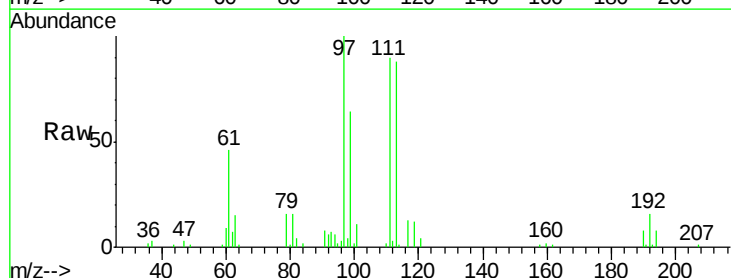
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0327WBSD01

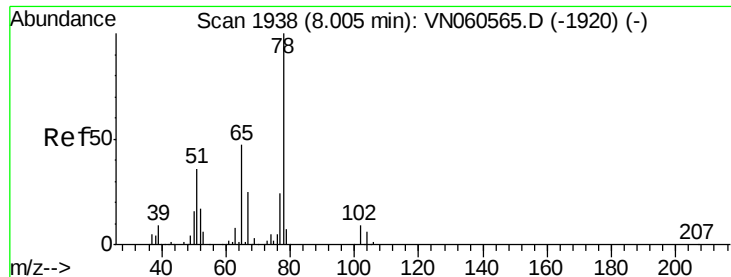
Tgt Ion: 56 Resp: 75638  
Ion Ratio Lower Upper  
56 100  
69 37.1 26.6 40.0  
84 81.9 64.3 96.5



#32  
1,1,1-Trichloroethane  
Concen: 17.926 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion: 97 Resp: 63703  
Ion Ratio Lower Upper  
97 100  
99 63.1 50.6 75.8  
61 45.7 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 47.872 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

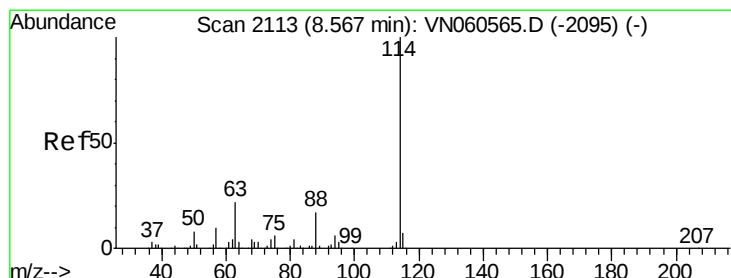
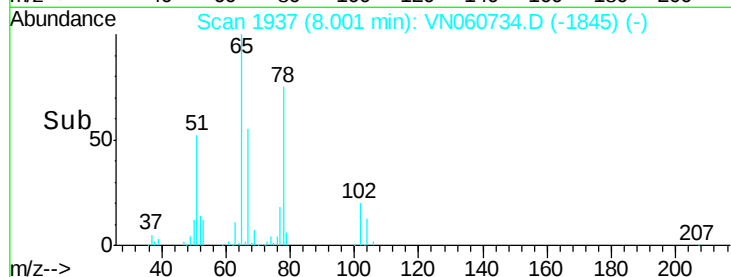
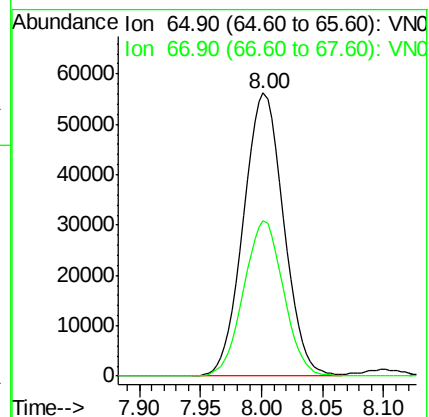
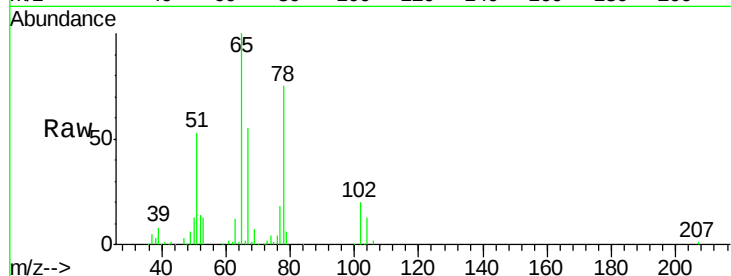
VN0327WBSD01

Tgt Ion: 65 Resp: 128851

Ion Ratio Lower Upper

65 100

67 54.1 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

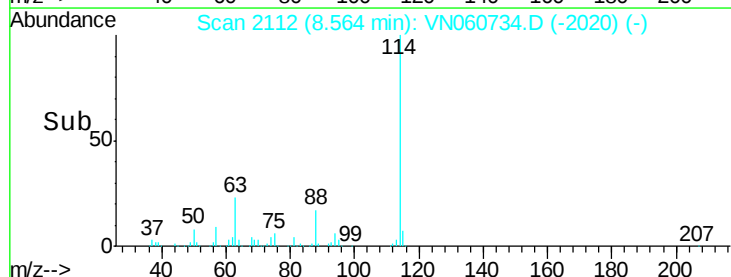
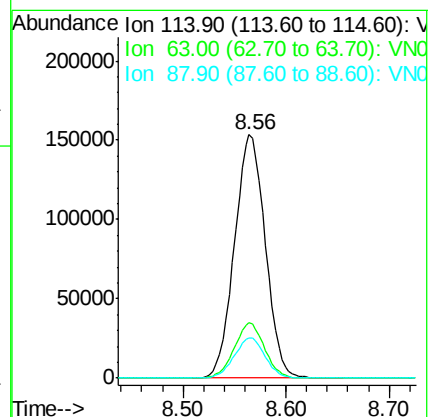
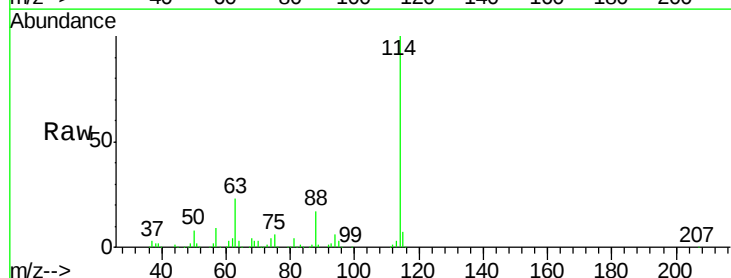
Tgt Ion: 114 Resp: 319241

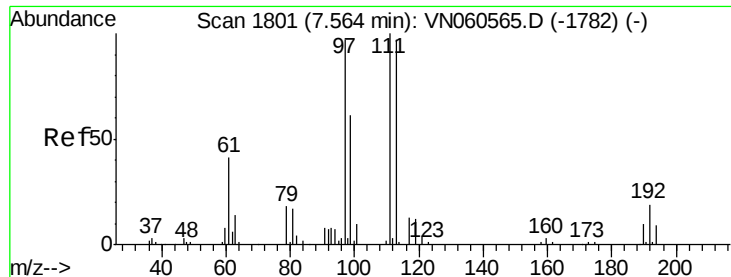
Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.8

88 16.6 0.0 33.0

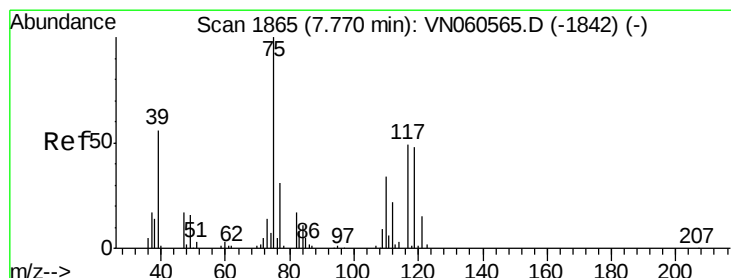
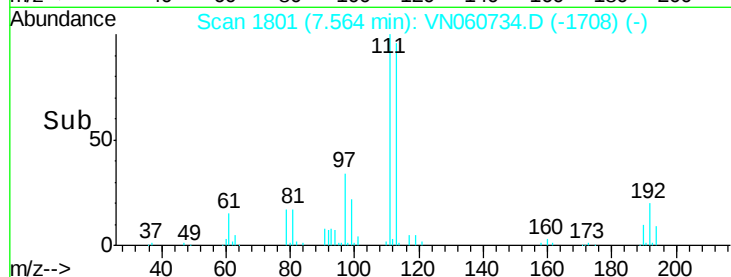
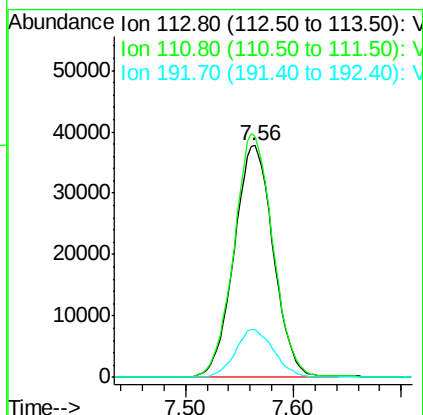
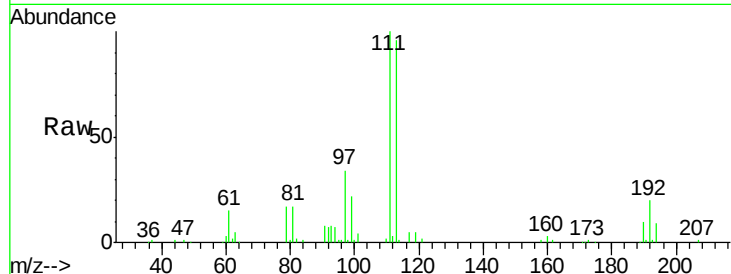




#35  
 Dibromofluoromethane  
 Concen: 49.552 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

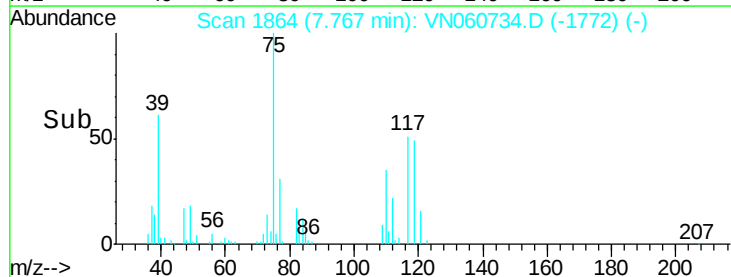
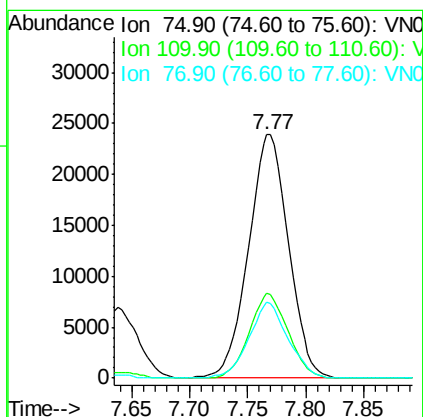
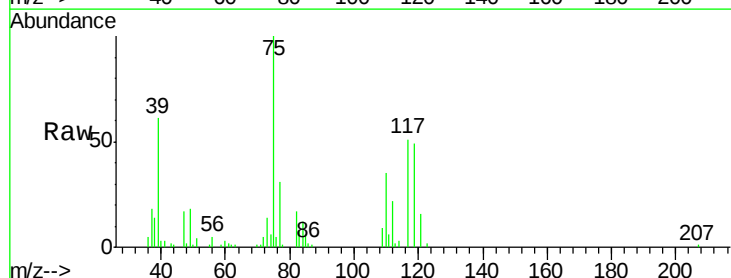
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0327WBSD01

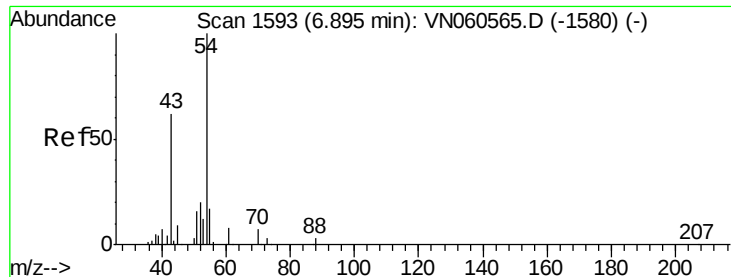
Tgt Ion:113 Resp: 95653  
 Ion Ratio Lower Upper  
 113 100  
 111 104.6 82.9 124.3  
 192 20.1 15.8 23.8



#36  
 1,1-Dichloropropene  
 Concen: 18.594 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion: 75 Resp: 57477  
 Ion Ratio Lower Upper  
 75 100  
 110 33.5 16.9 50.6  
 77 30.2 24.6 36.8

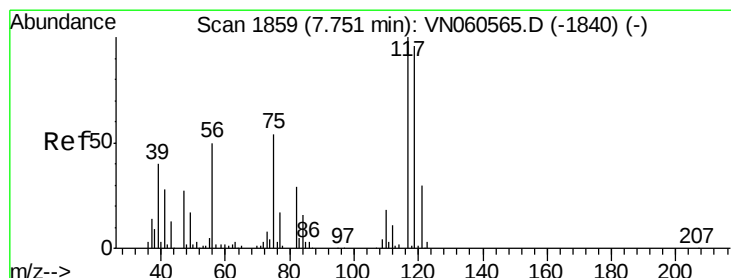
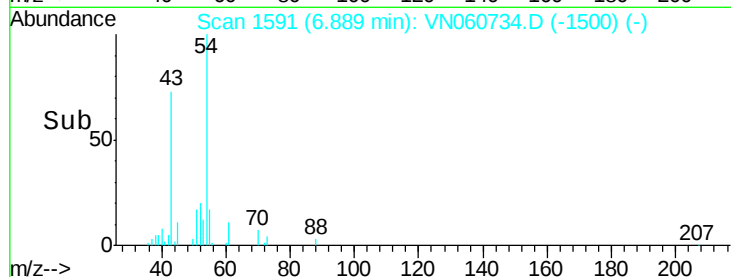
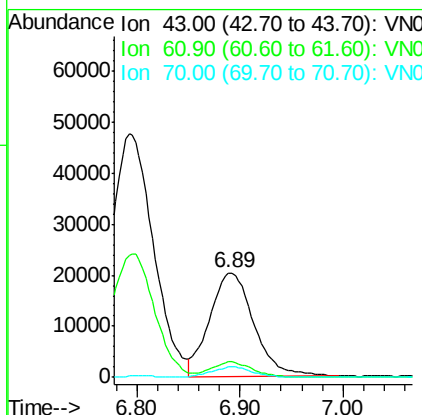
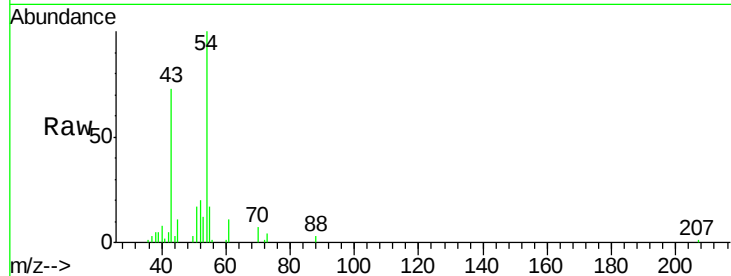




#37  
 Ethyl Acetate  
 Concen: 17.957 ug/l  
 RT: 6.89 min Scan# 1591  
 Delta R.T. -0.01 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

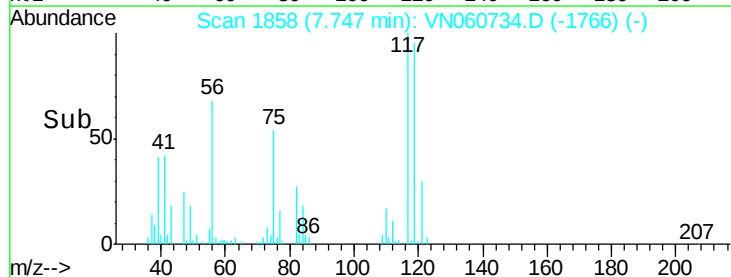
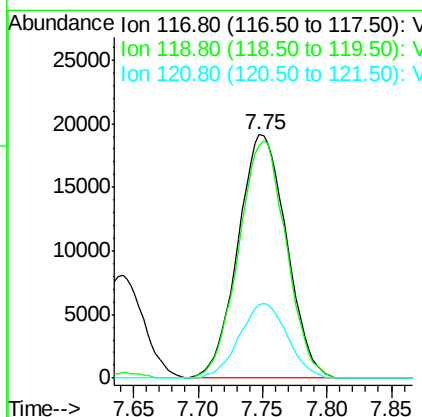
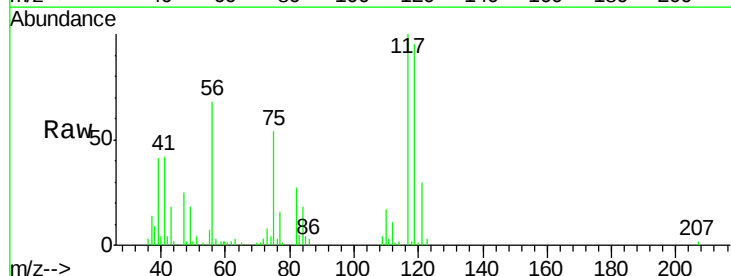
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0327WBSD01

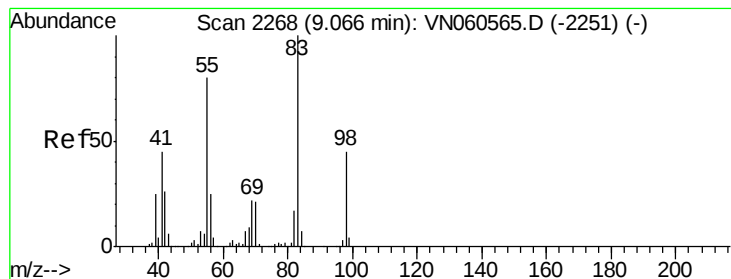
Tgt Ion: 43 Resp: 59979  
 Ion Ratio Lower Upper  
 43 100  
 61 14.0 10.6 15.8  
 70 9.3 7.9 11.9



#38  
 Carbon Tetrachloride  
 Concen: 18.126 ug/l  
 RT: 7.75 min Scan# 1858  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion: 117 Resp: 50219  
 Ion Ratio Lower Upper  
 117 100  
 119 95.3 76.2 114.2  
 121 30.0 23.7 35.5





#39

Methylcyclohexane

Concen: 18.933 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

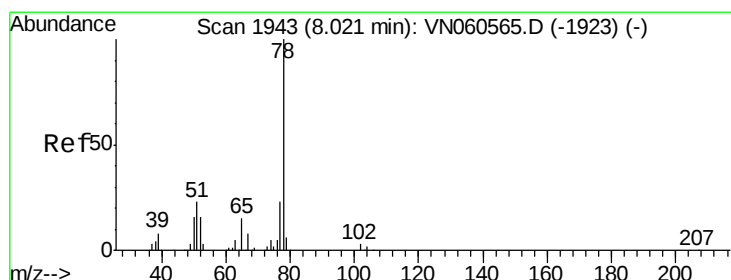
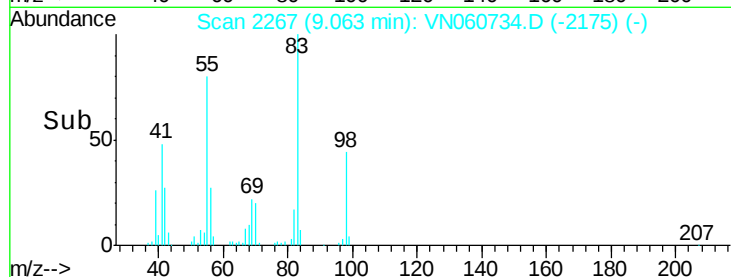
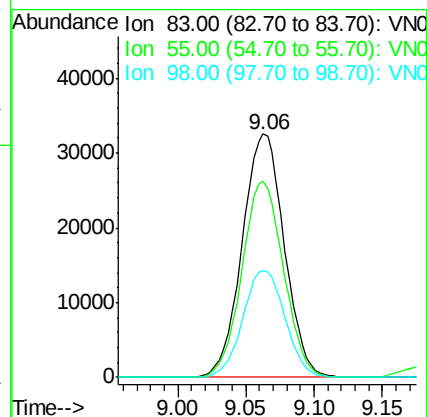
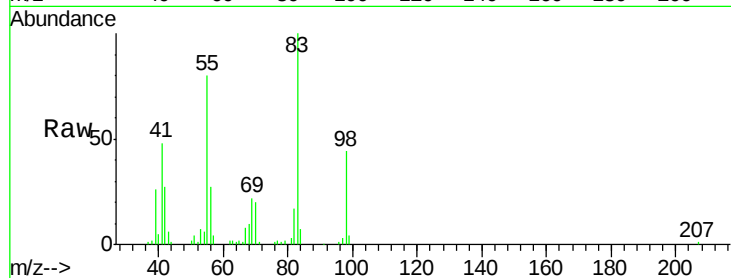
Tgt Ion: 83 Resp: 69552

Ion Ratio Lower Upper

83 100

55 80.4 63.6 95.4

98 43.8 36.0 54.0



#40

Benzene

Concen: 18.639 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060734.D

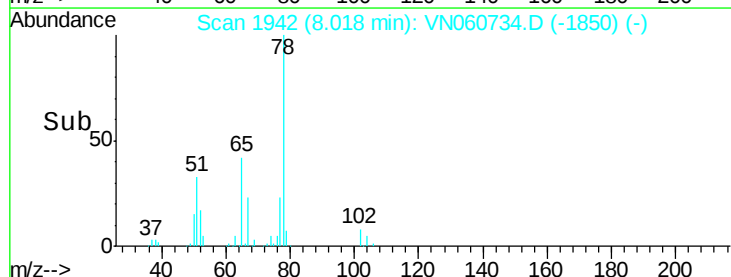
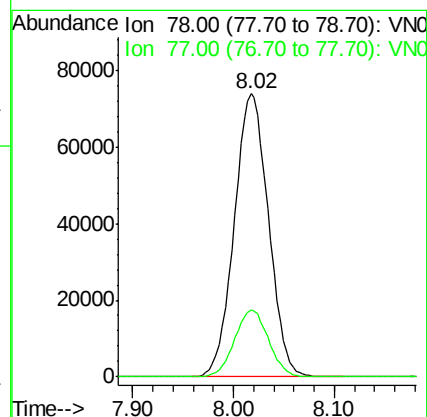
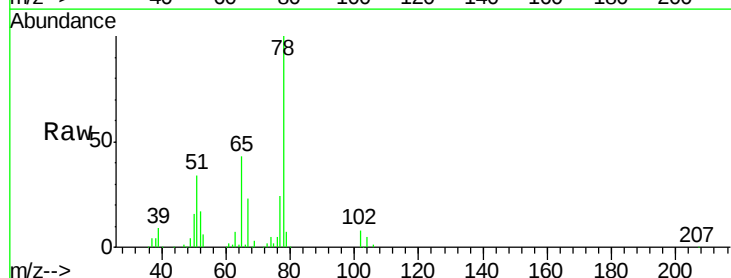
Acq: 27 Mar 2020 12:14

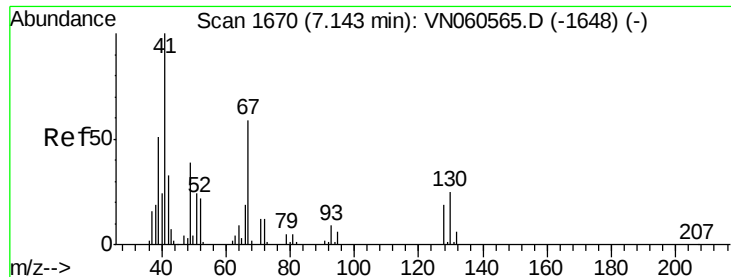
Tgt Ion: 78 Resp: 173936

Ion Ratio Lower Upper

78 100

77 23.6 18.6 28.0

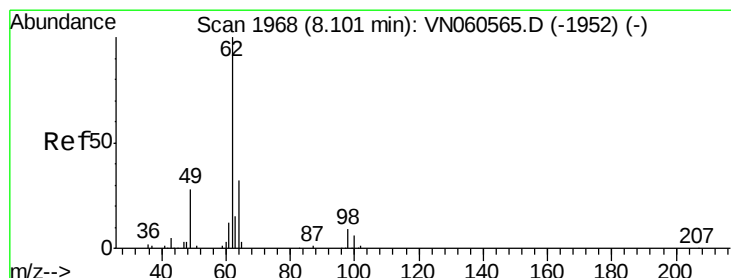
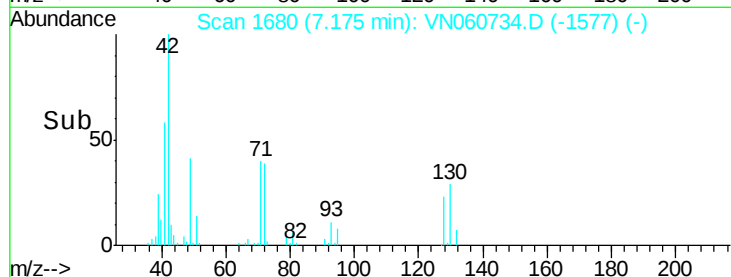
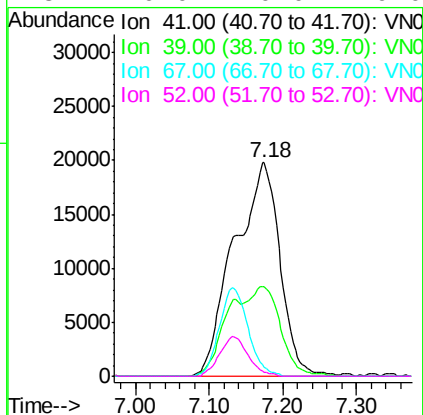
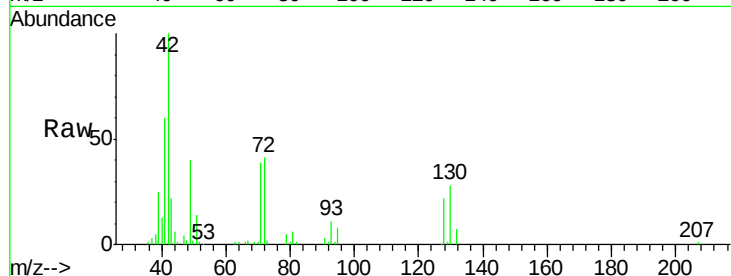




#41  
Methacrylonitrile  
Concen: 59.922 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. 0.03 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

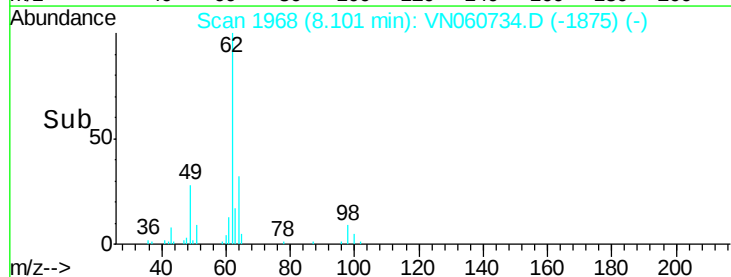
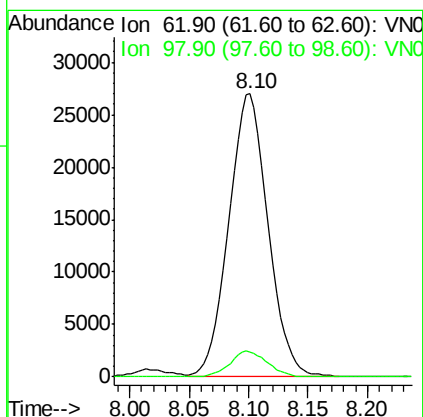
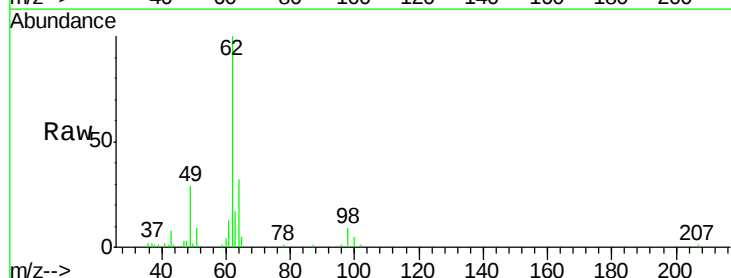
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0327WBSD01

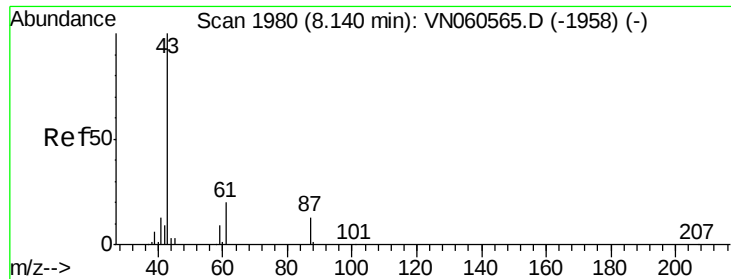
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 85418 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 0.0   | 0.0   | 0.0   |
| 67       | 0.0   | 0.0   | 0.0   |
| 52       | 0.0   | 0.0   | 0.0   |



#42  
1,2-Dichloroethane  
Concen: 19.359 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 61737 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.6   | 0.0   | 17.8  |





#43

Isopropyl Acetate

Concen: 18.589 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

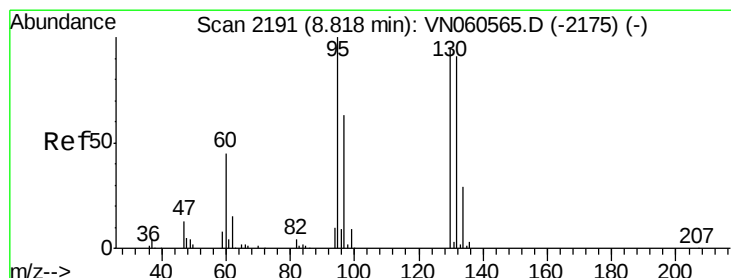
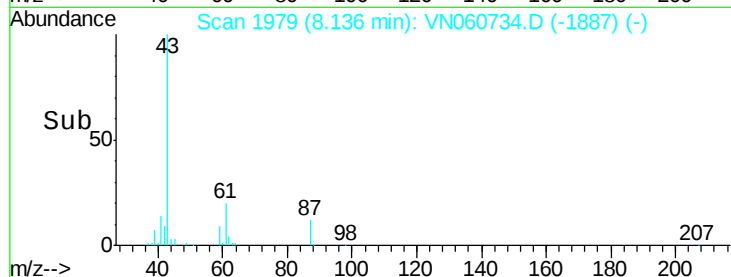
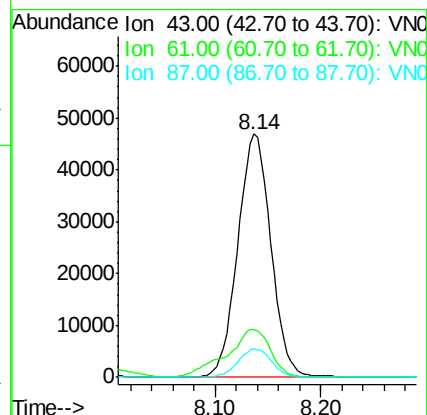
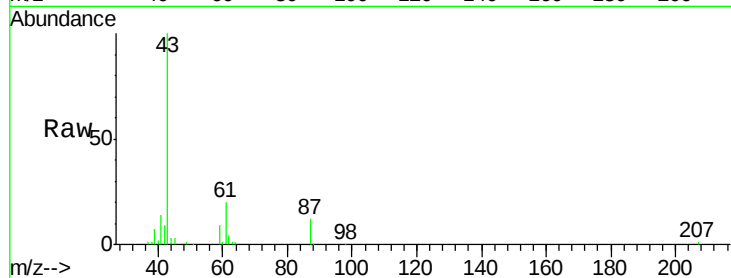
Tgt Ion: 43 Resp: 102397

Ion Ratio Lower Upper

43 100

61 26.4 20.7 31.1

87 11.8 9.8 14.8



#44

Trichloroethene

Concen: 18.858 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060734.D

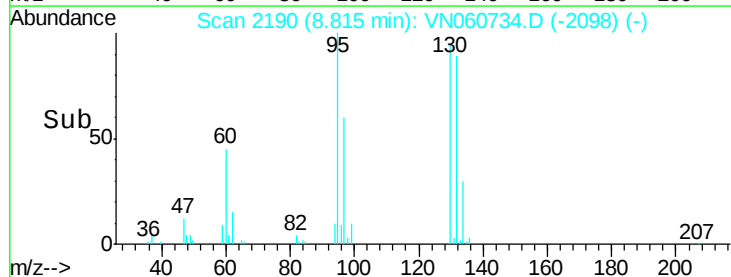
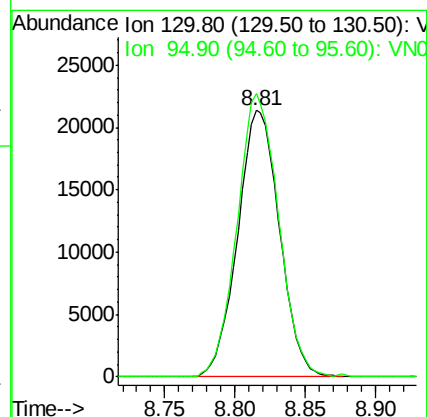
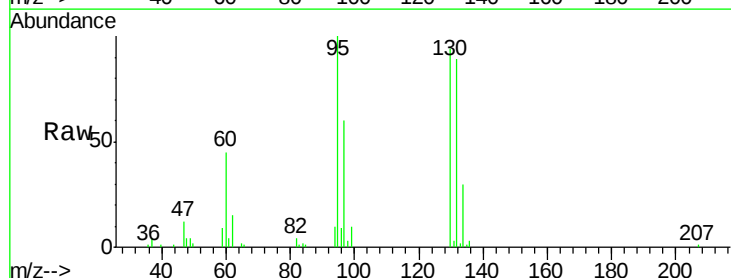
Acq: 27 Mar 2020 12:14

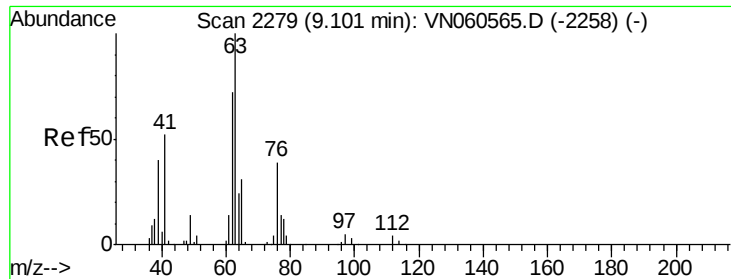
Tgt Ion: 130 Resp: 44363

Ion Ratio Lower Upper

130 100

95 106.3 0.0 211.2





#45

1,2-Dichloropropane

Concen: 19.317 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

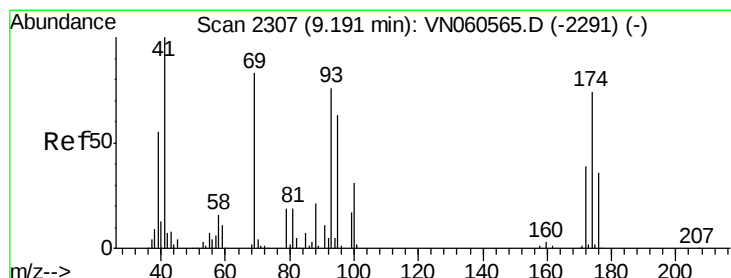
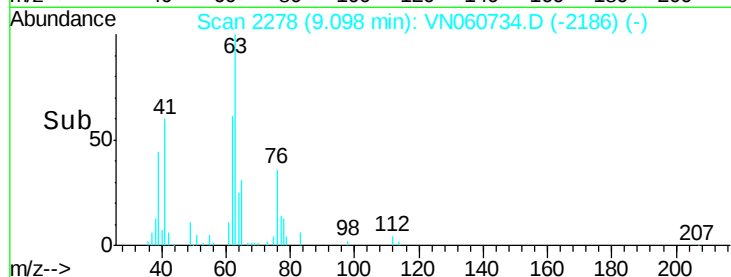
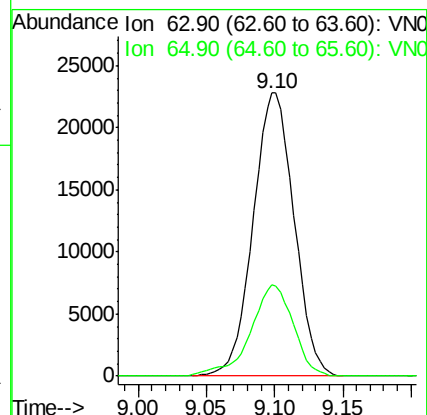
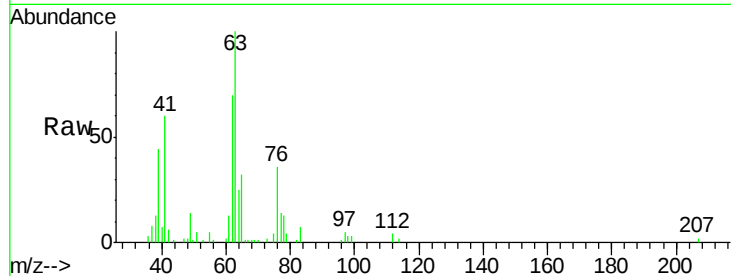
VN0327WBSD01

Tgt Ion: 63 Resp: 47565

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.0



#46

Dibromomethane

Concen: 19.276 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

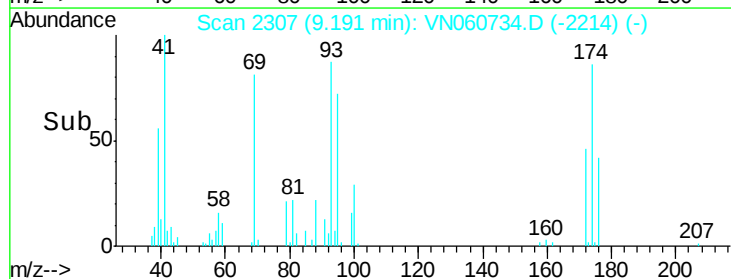
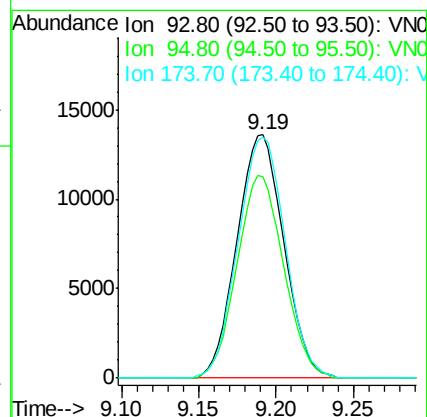
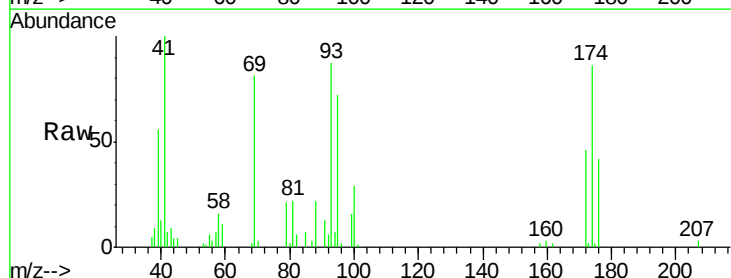
Tgt Ion: 93 Resp: 28695

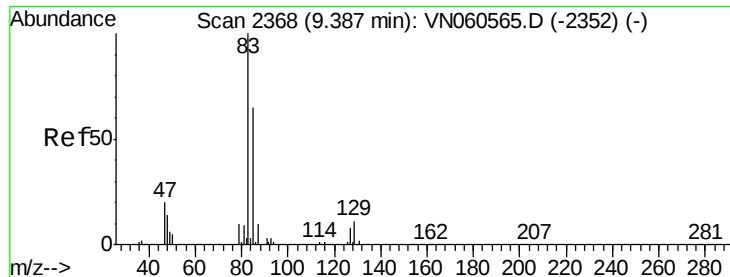
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 99.7 77.9 116.9





#47

Bromodichloromethane

Concen: 19.068 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

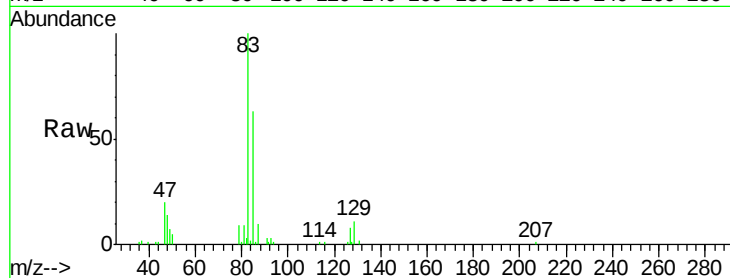
Tgt Ion: 83 Resp: 58984

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.6

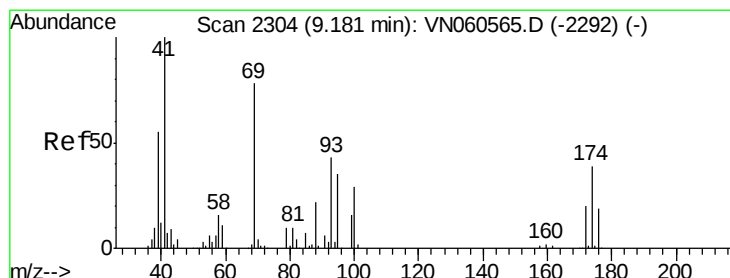
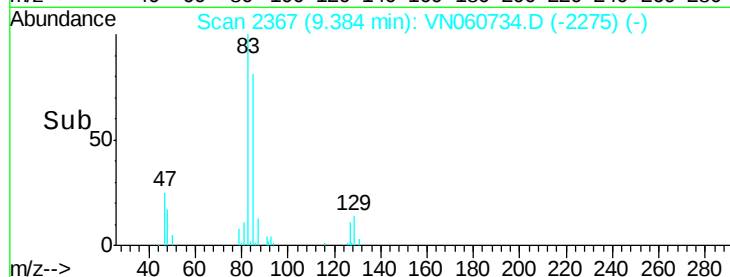
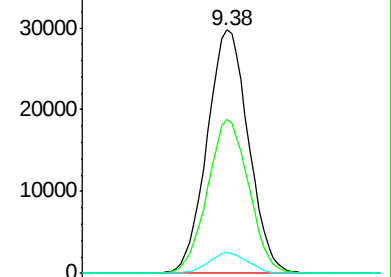
127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060734.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060734.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060734.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.012 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

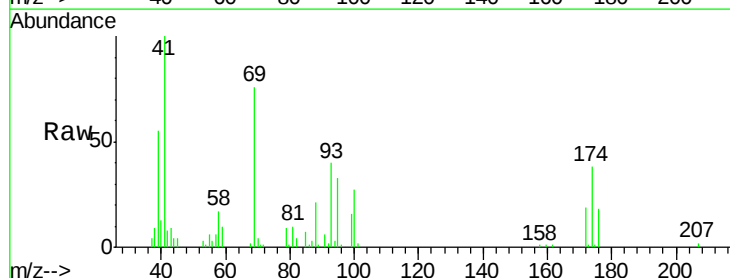
Tgt Ion: 41 Resp: 44175

Ion Ratio Lower Upper

41 100

69 80.3 65.4 98.0

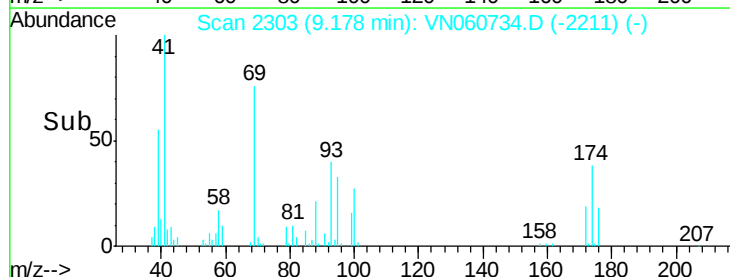
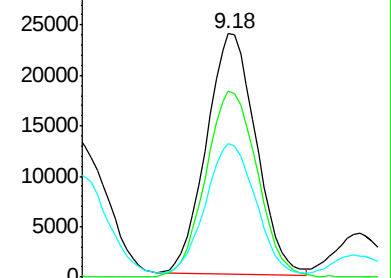
39 57.7 44.0 66.0

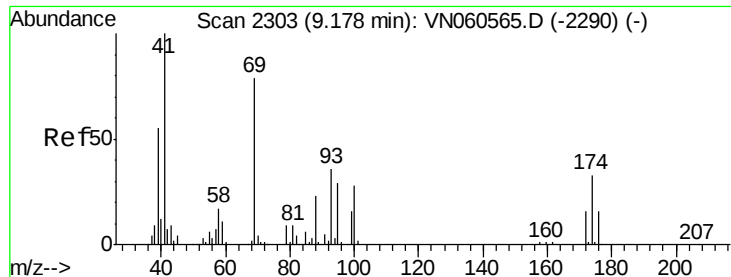


Abundance Ion 41.00 (40.70 to 41.70): VN060734.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060734.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060734.D (-2211) (-)

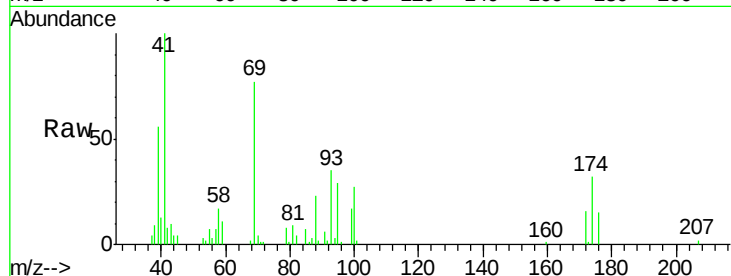




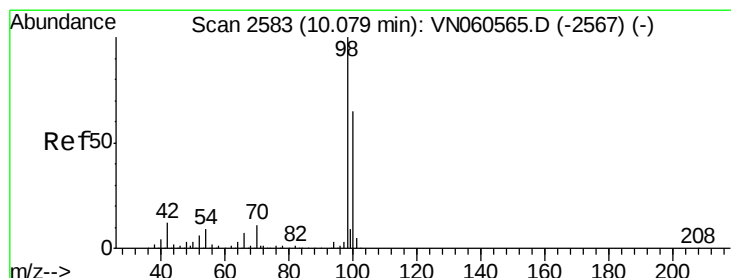
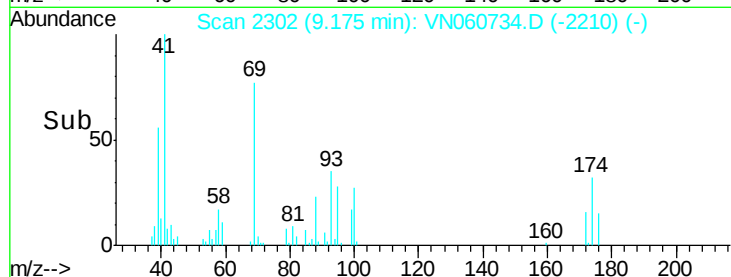
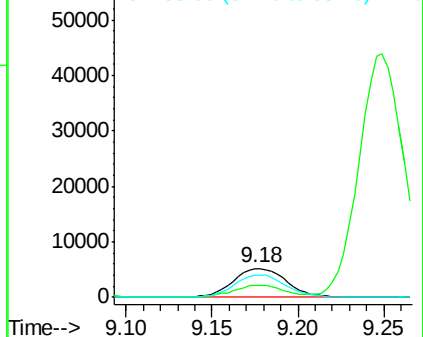
#49  
 1,4-Dioxane  
 Concen: 382.620 ug/l  
 RT: 9.18 min Scan# 2302  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

Tgt Ion: 88 Resp: 11154  
 Ion Ratio Lower Upper  
 88 100  
 43 41.4 30.8 46.2  
 58 74.9 59.8 89.8

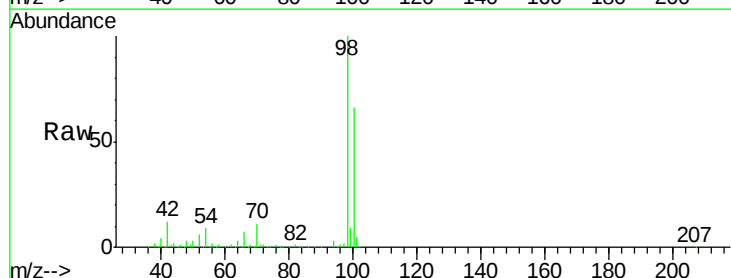


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

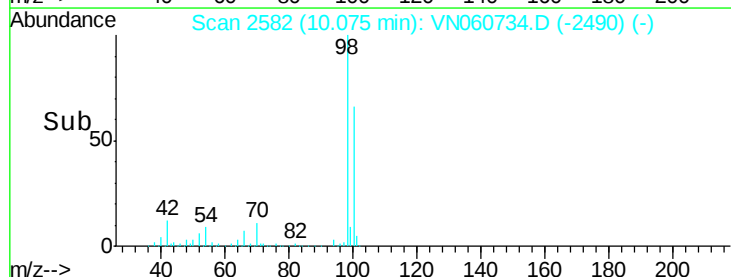
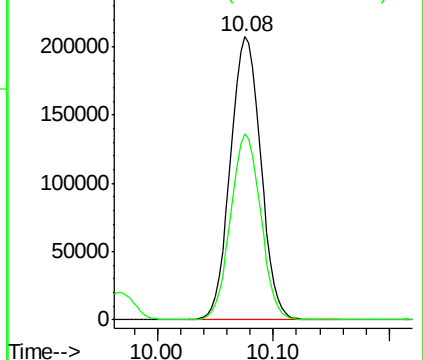


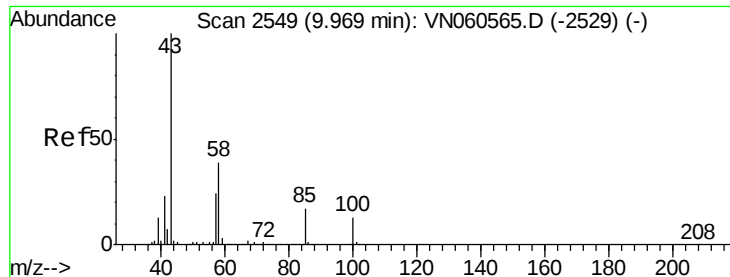
#50  
 Toluene-d8  
 Concen: 47.757 ug/l  
 RT: 10.08 min Scan# 2582  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion: 98 Resp: 376548  
 Ion Ratio Lower Upper  
 98 100  
 100 65.1 51.8 77.8



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

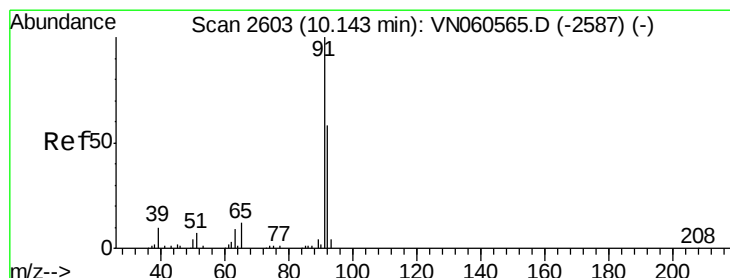
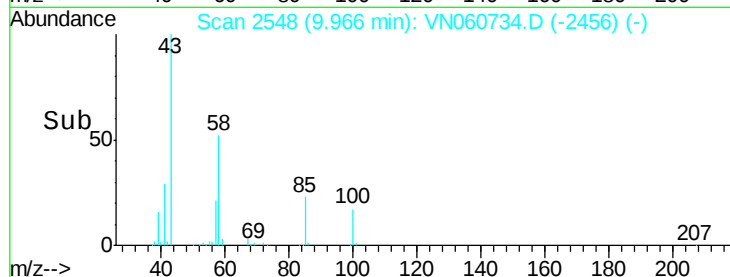
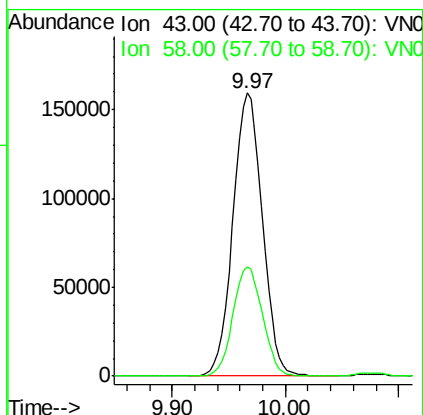
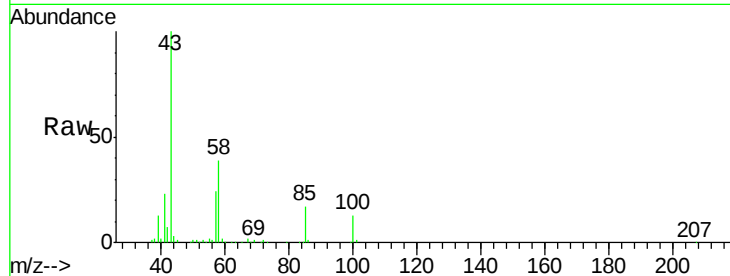




#51  
 4-Methyl-2-Pentanone  
 Concen: 92.357 ug/l  
 RT: 9.97 min Scan# 2548  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

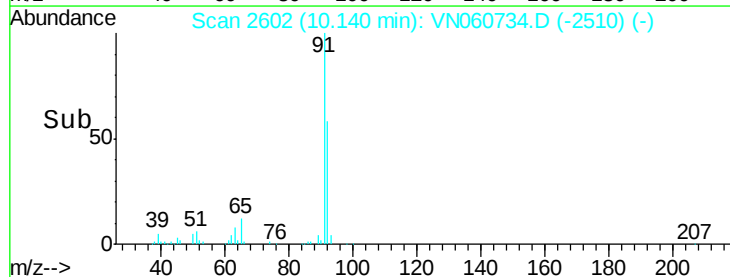
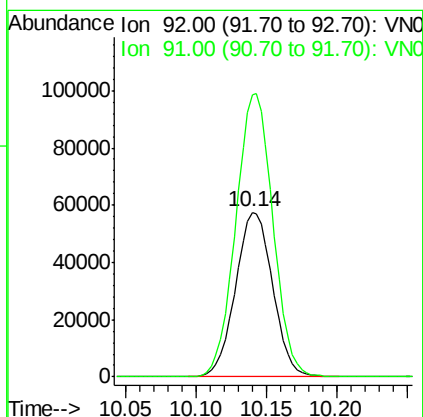
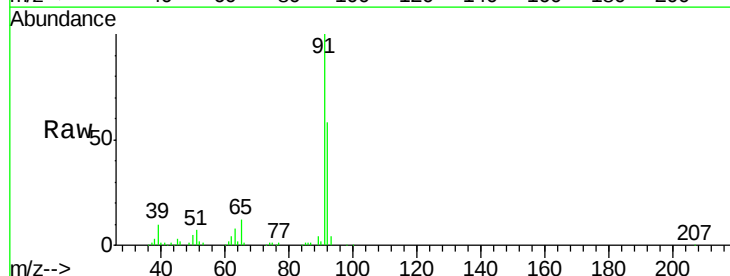
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

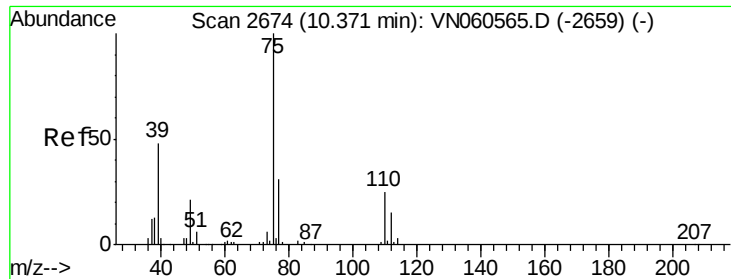
Tgt Ion: 43 Resp: 289504  
 Ion Ratio Lower Upper  
 43 100  
 58 38.6 30.8 46.2



#52  
 Toluene  
 Concen: 18.794 ug/l  
 RT: 10.14 min Scan# 2602  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion: 92 Resp: 105917  
 Ion Ratio Lower Upper  
 92 100  
 91 172.0 137.6 206.4

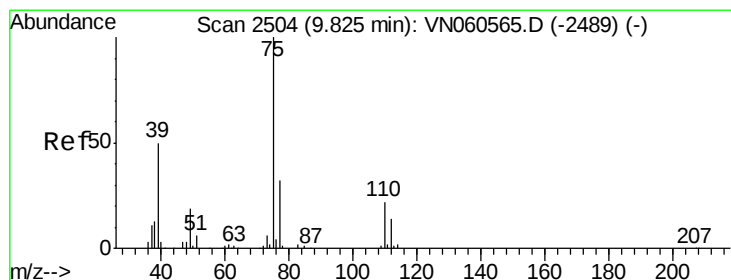
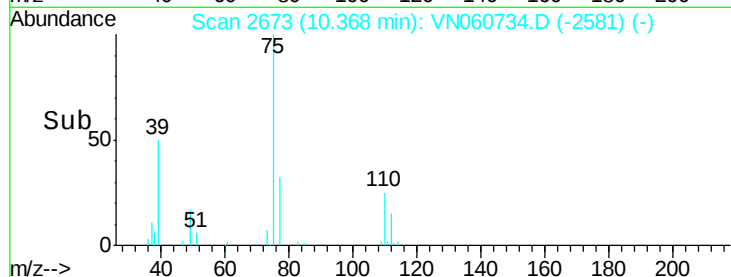
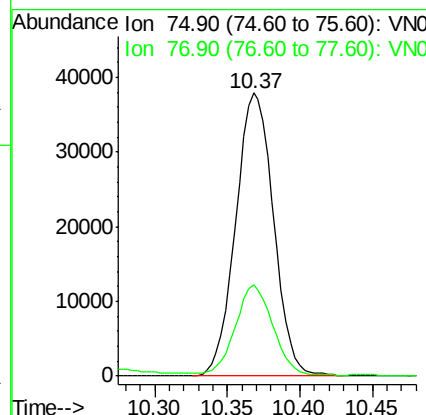
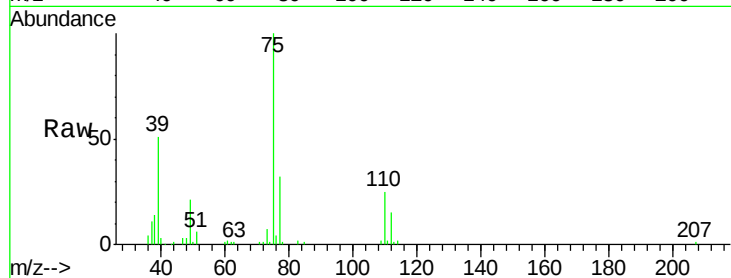




#53  
t-1,3-Dichloropropene  
Concen: 19.327 ug/l  
RT: 10.37 min Scan# 2673  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

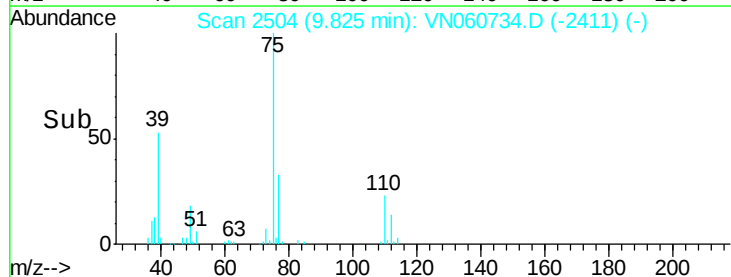
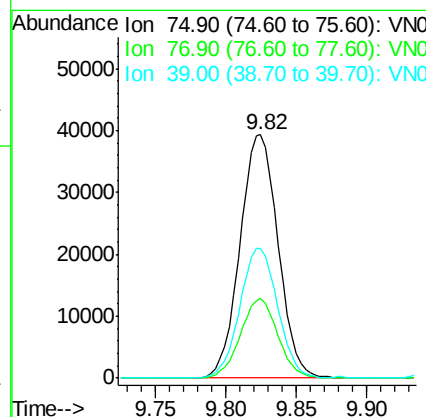
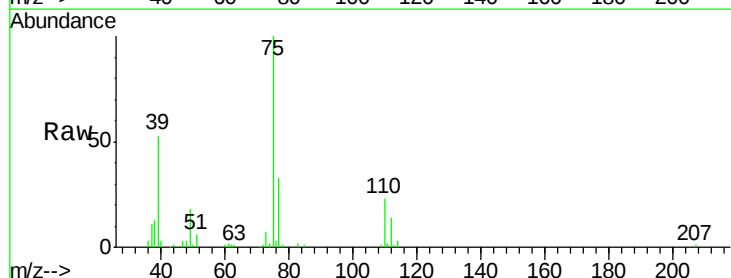
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0327WBSD01

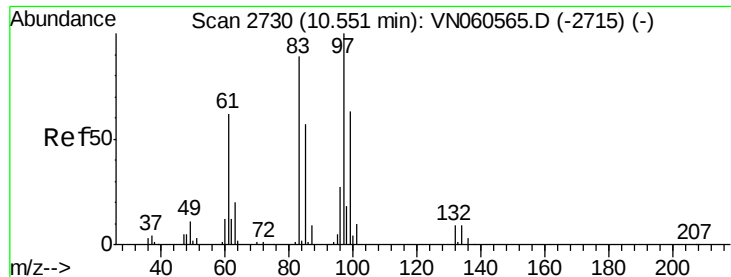
Tgt Ion: 75 Resp: 68675  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.1 37.7



#54  
cis-1,3-Dichloropropene  
Concen: 19.036 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion: 75 Resp: 74205  
Ion Ratio Lower Upper  
75 100  
77 32.6 25.4 38.0  
39 53.3 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 19.147 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

Tgt Ion: 97 Resp: 41513

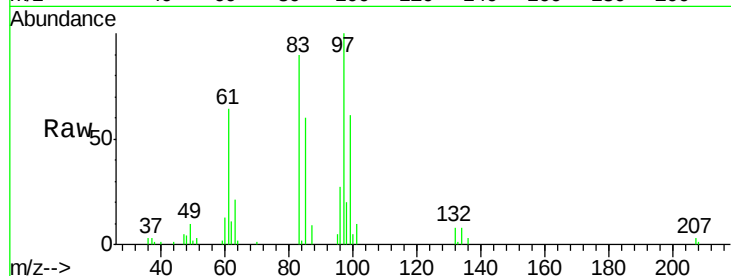
Ion Ratio Lower Upper

97 100

83 90.2 71.3 106.9

85 60.1 45.2 67.8

99 60.7 50.1 75.1

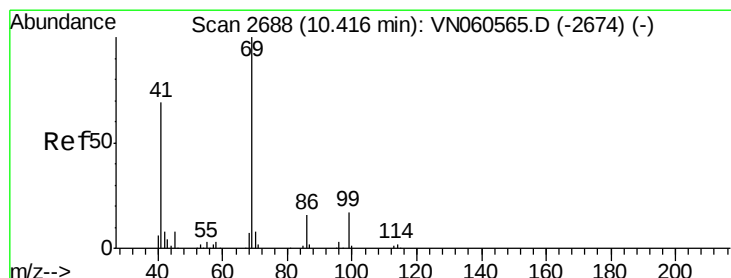
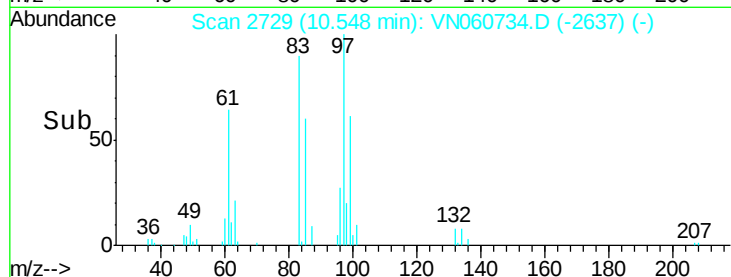
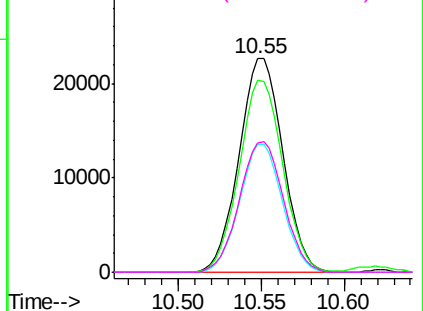


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.127 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

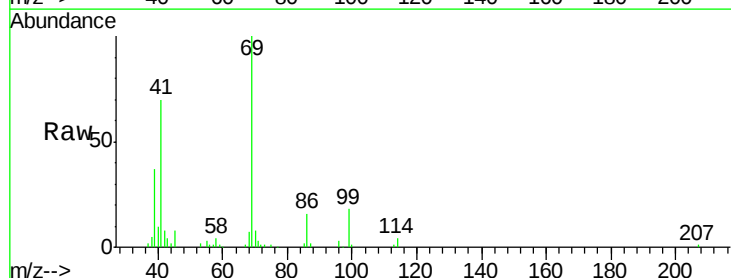
Tgt Ion: 69 Resp: 61282

Ion Ratio Lower Upper

69 100

41 72.1 55.4 83.2

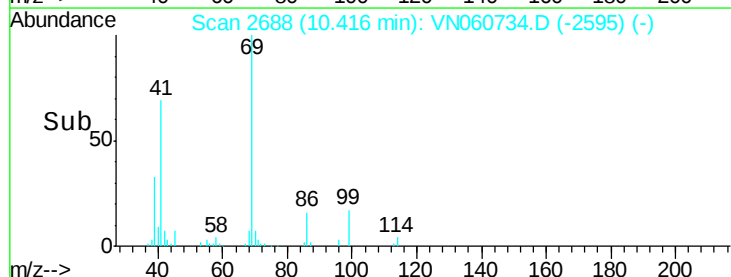
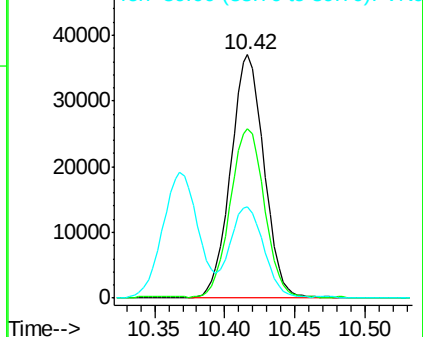
39 37.7 29.4 44.0

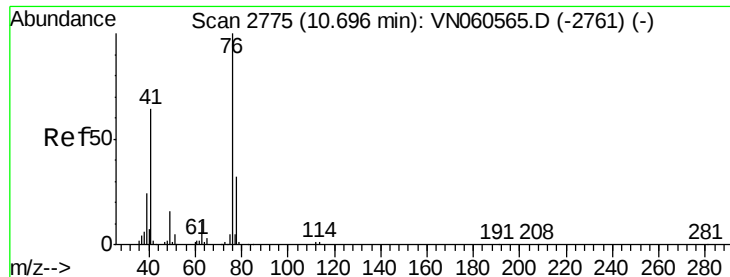


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.336 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

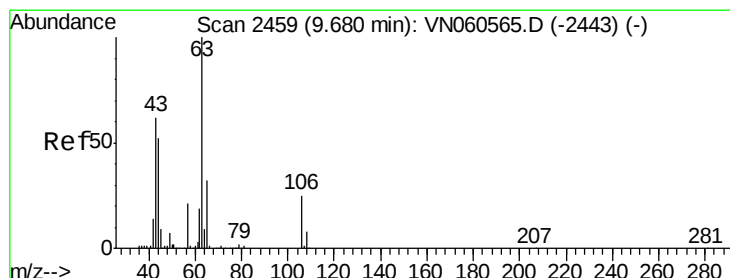
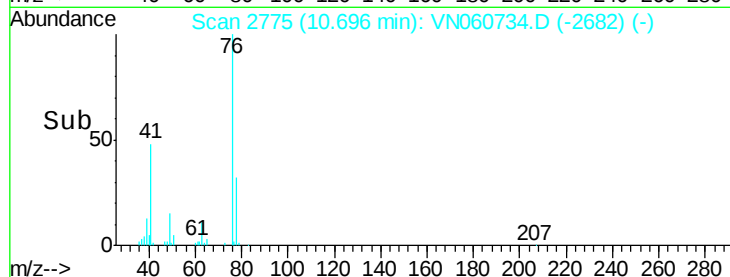
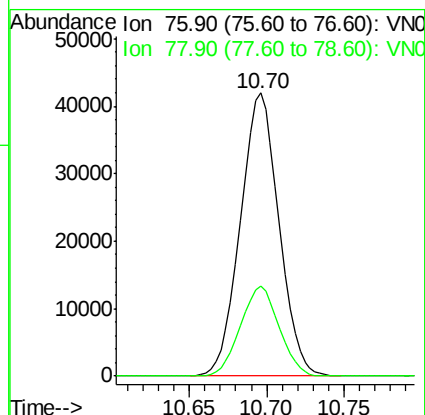
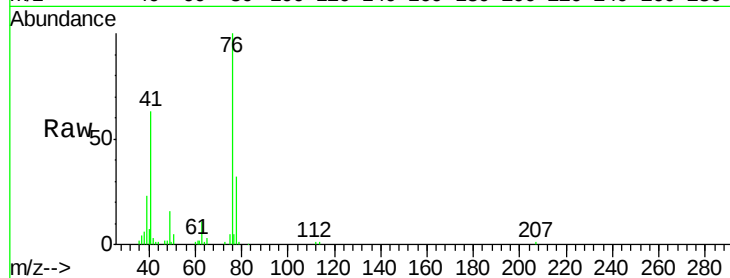
VN0327WBSD01

Tgt Ion: 76 Resp: 72749

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 87.219 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060734.D

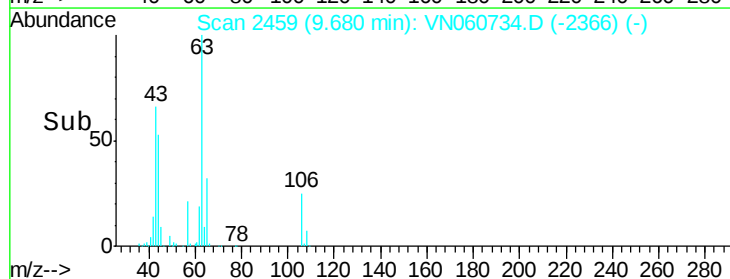
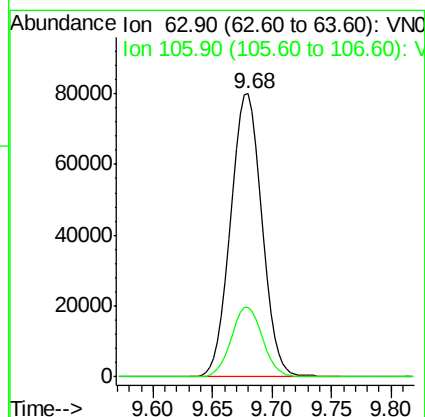
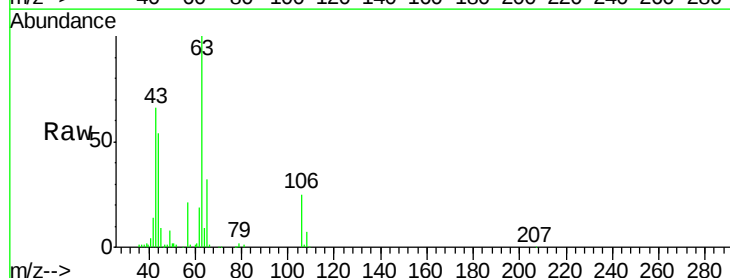
Acq: 27 Mar 2020 12:14

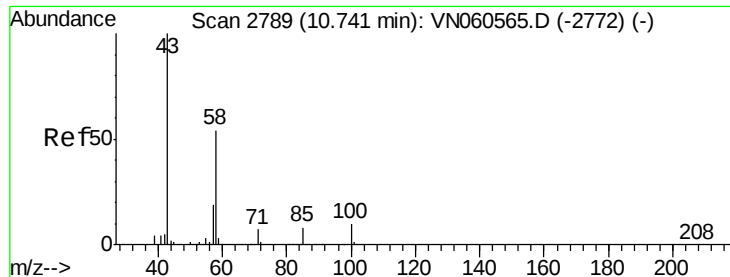
Tgt Ion: 63 Resp: 146547

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0

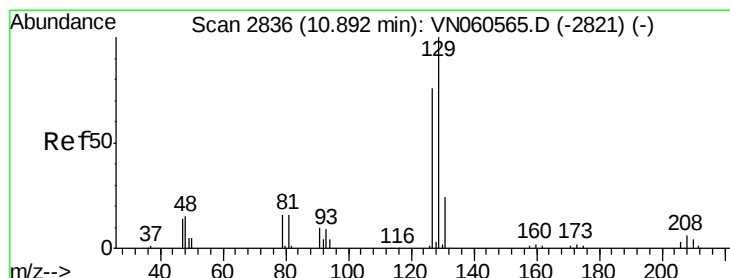
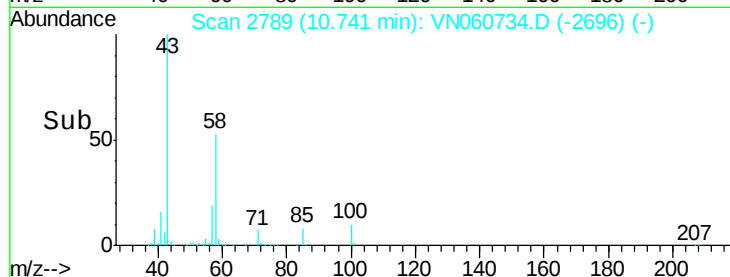
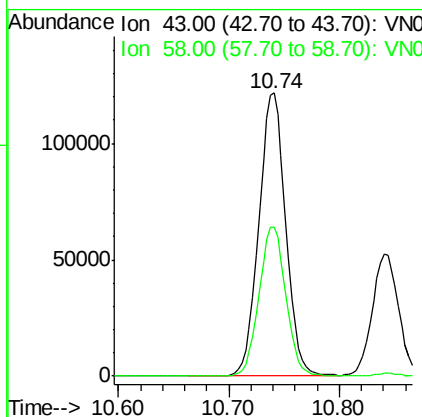
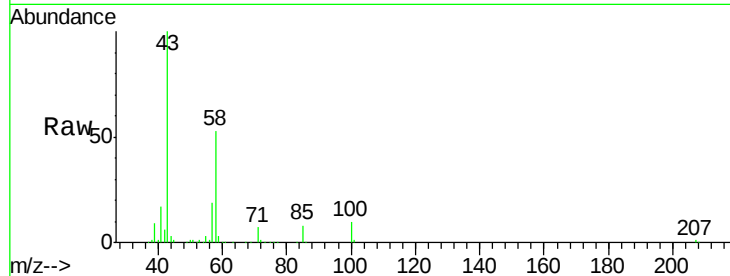




#59  
2-Hexanone  
Concen: 90.969 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

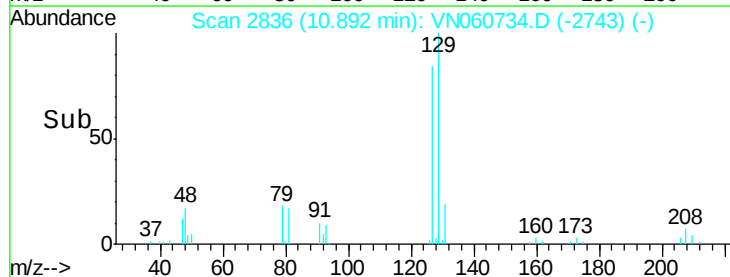
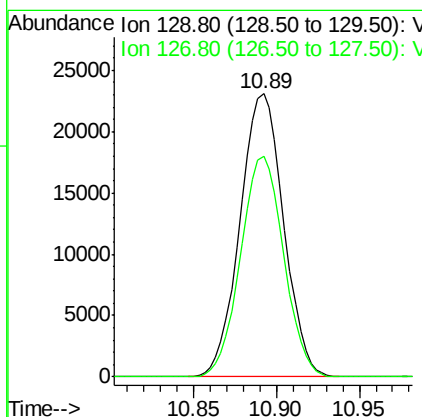
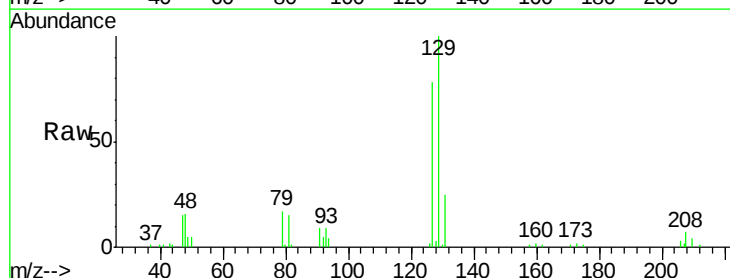
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0327WBSD01

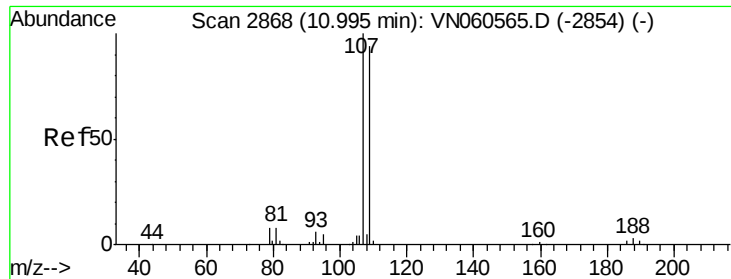
Tgt Ion: 43 Resp: 205411  
Ion Ratio Lower Upper  
43 100  
58 52.8 26.7 80.1



#60  
Dibromochloromethane  
Concen: 18.843 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion: 129 Resp: 42200  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.5 115.5

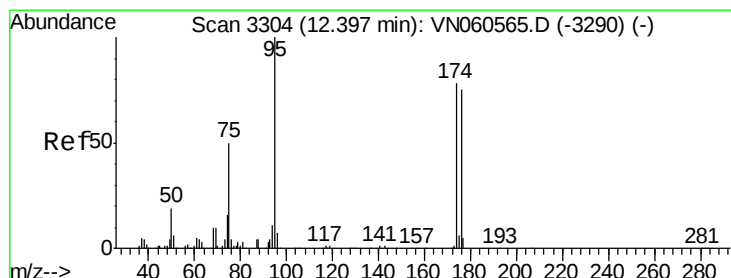
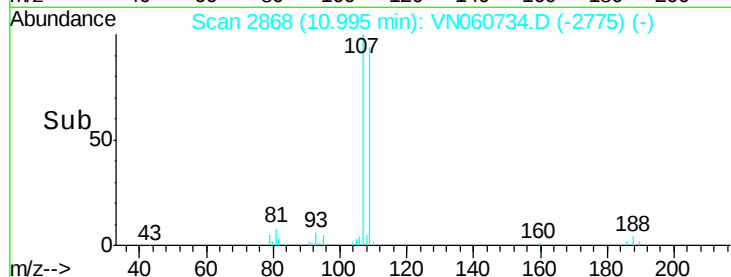
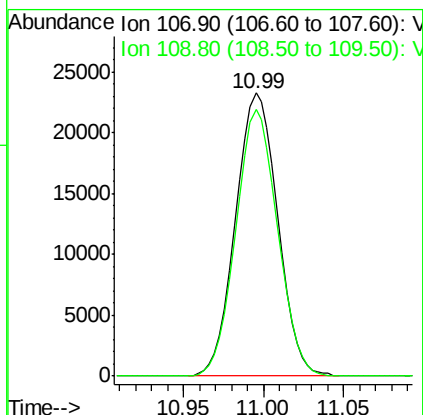
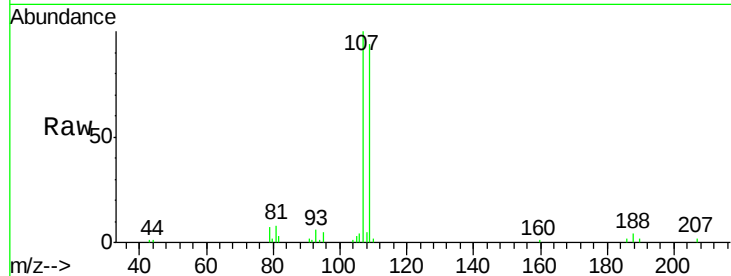




#61  
 1,2-Dibromoethane  
 Concen: 19.147 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

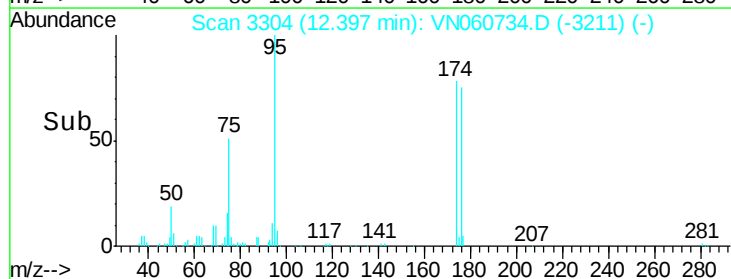
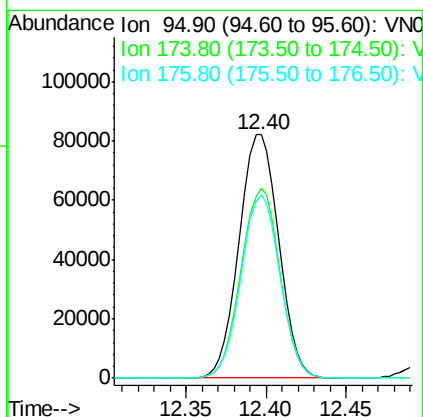
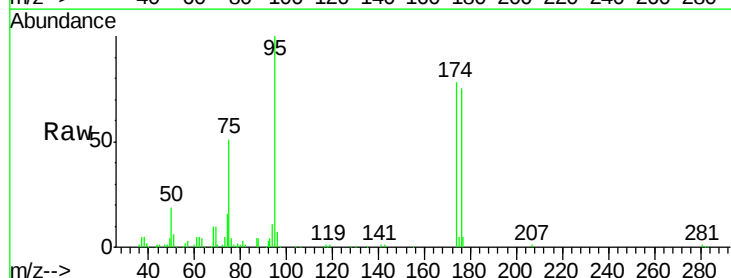
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

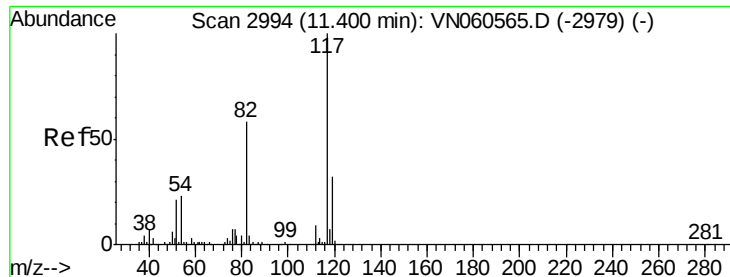
Tgt Ion: 107 Resp: 41743  
 Ion Ratio Lower Upper  
 107 100  
 109 93.1 75.4 113.2



#62  
 4-Bromofluorobenzene  
 Concen: 48.038 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion: 95 Resp: 138812  
 Ion Ratio Lower Upper  
 95 100  
 174 76.5 0.0 157.6  
 176 74.0 0.0 150.6

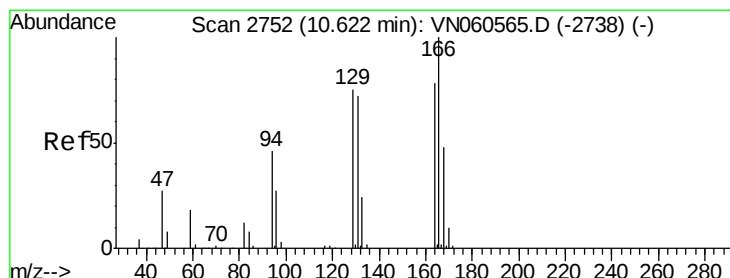
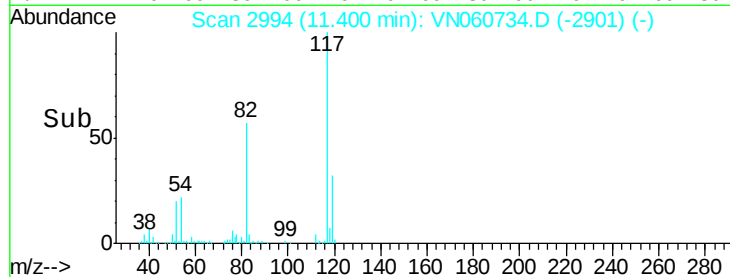
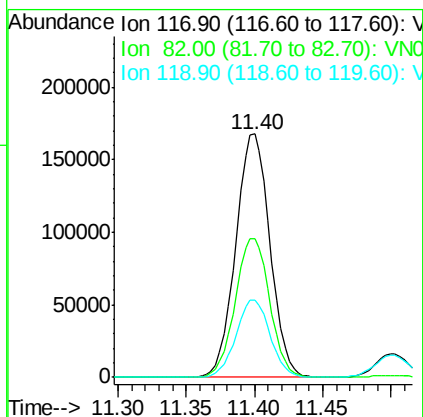
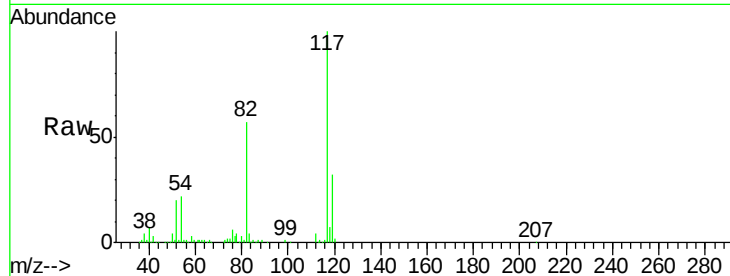




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

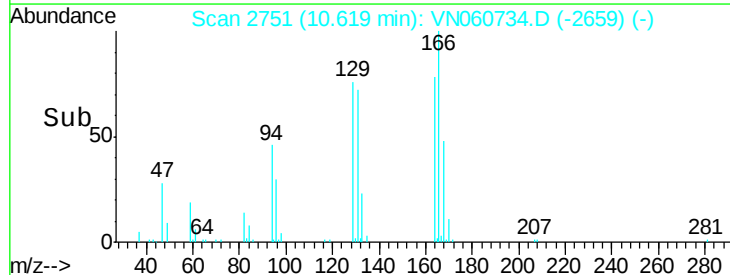
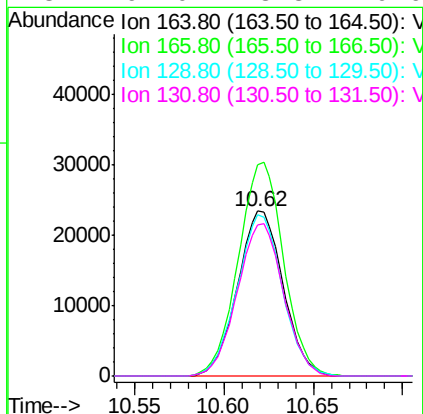
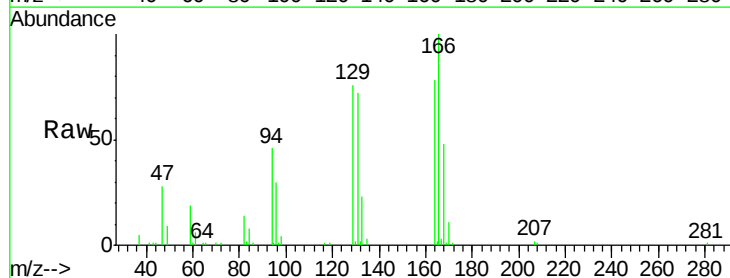
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0327WBSD01

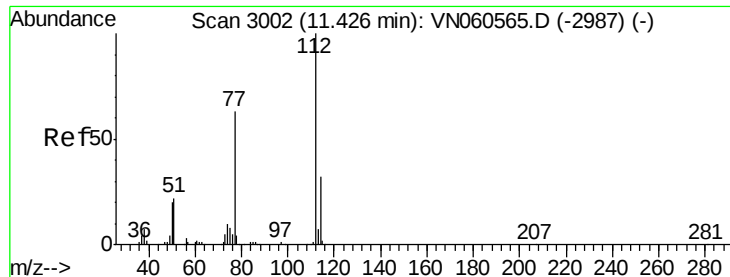
Tgt Ion:117 Resp: 291633  
Ion Ratio Lower Upper  
117 100  
82 56.9 46.7 70.1  
119 31.9 25.5 38.3



#64  
Tetrachloroethene  
Concen: 18.166 ug/l  
RT: 10.62 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion:164 Resp: 41690  
Ion Ratio Lower Upper  
164 100  
166 127.9 102.7 154.1  
129 97.8 77.2 115.8  
131 92.0 73.8 110.6

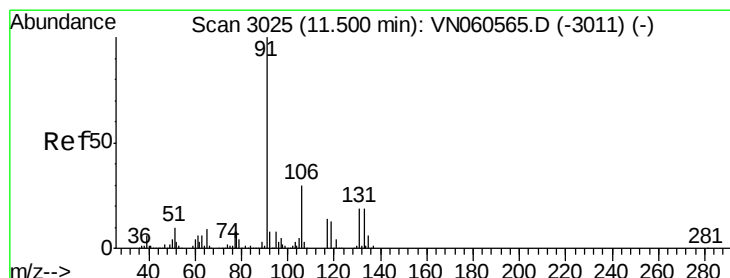
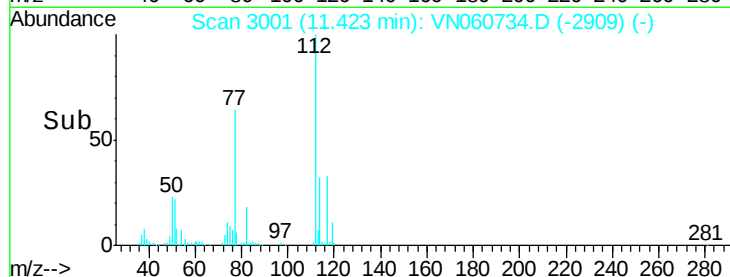
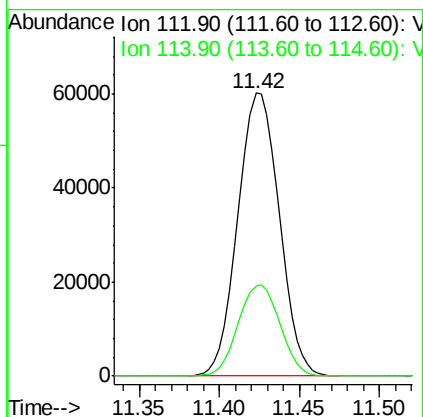
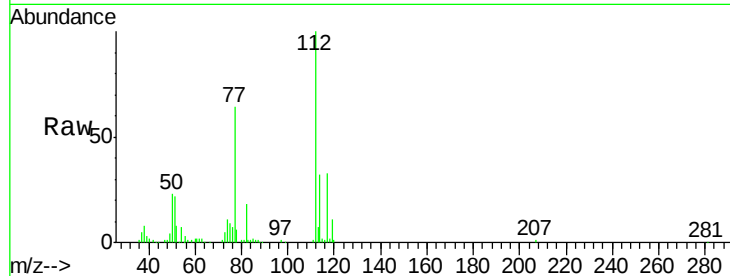




#65  
Chlorobenzene  
Concen: 18.423 ug/l  
RT: 11.42 min Scan# 3001  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

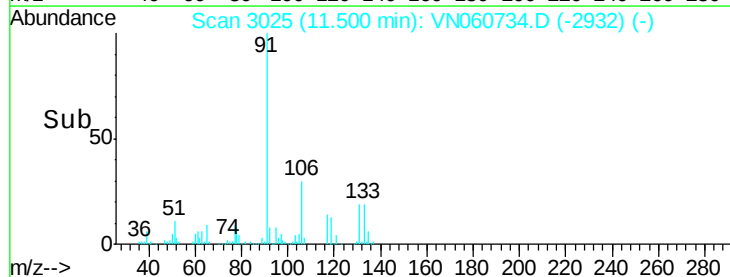
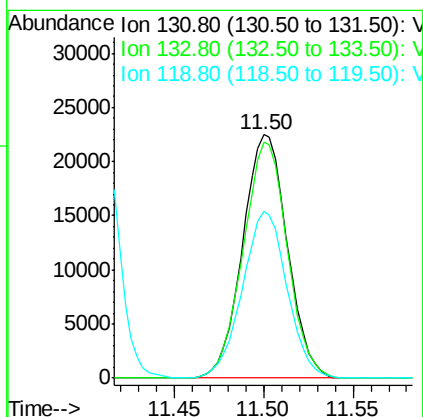
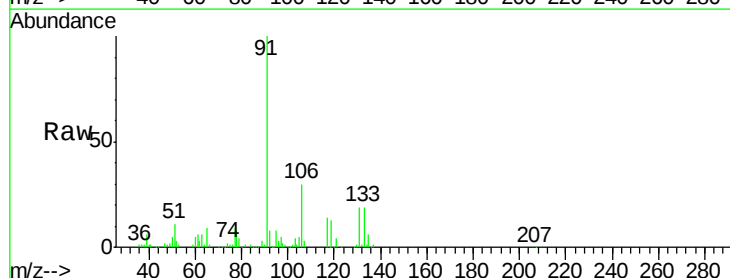
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0327WBSD01

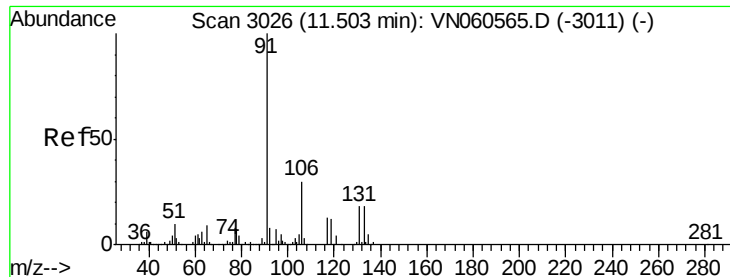
Tgt Ion:112 Resp: 106510  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.759 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion:131 Resp: 39266  
Ion Ratio Lower Upper  
131 100  
133 96.1 48.9 146.8  
119 68.4 33.9 101.7





#67

Ethyl Benzene

Concen: 18.611 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

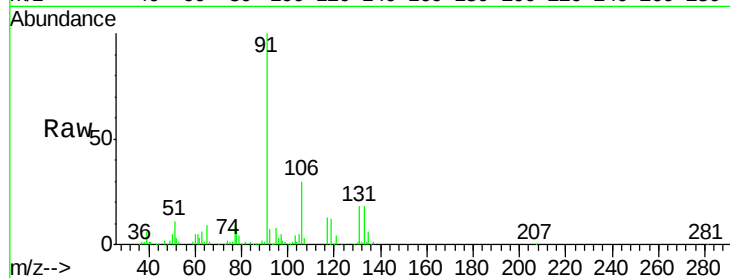
VN0327WBSD01

Tgt Ion: 91 Resp: 200088

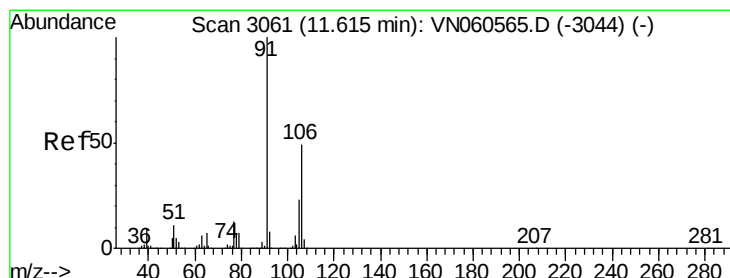
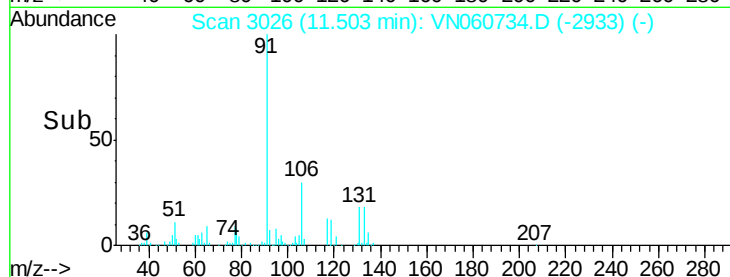
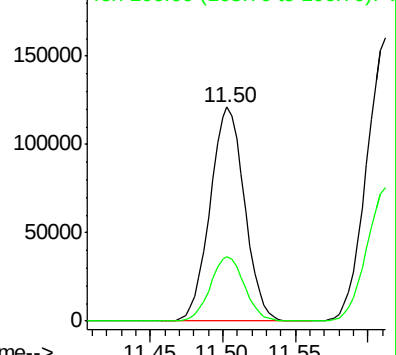
Ion Ratio Lower Upper

91 100

106 30.3 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060734.D (-2933) (-)



#68

m/p-Xylenes

Concen: 36.787 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060734.D

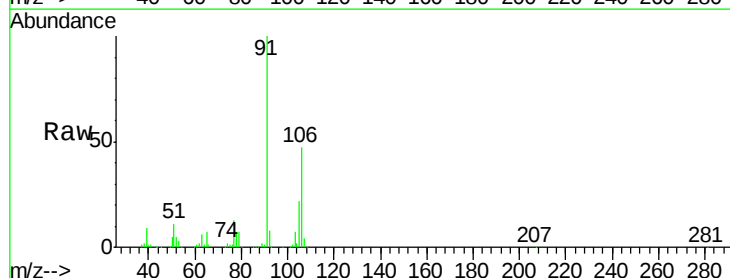
Acq: 27 Mar 2020 12:14

Tgt Ion: 106 Resp: 146971

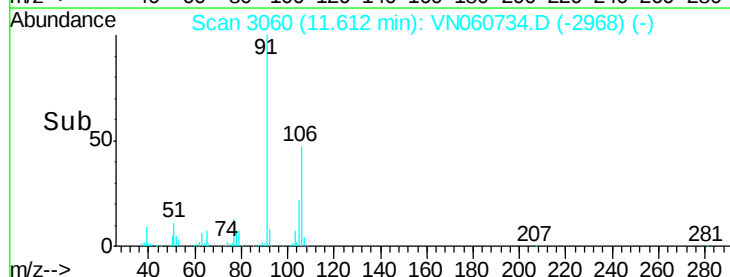
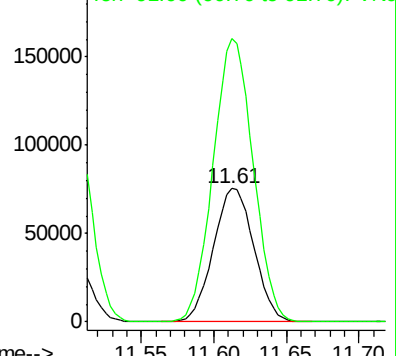
Ion Ratio Lower Upper

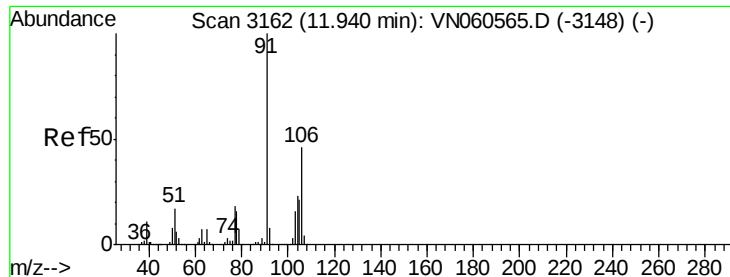
106 100

91 209.5 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060734.D (-2968) (-)

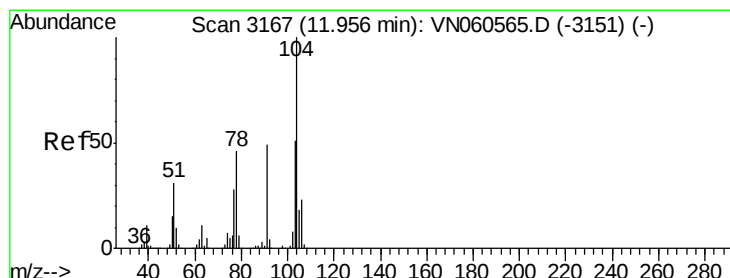
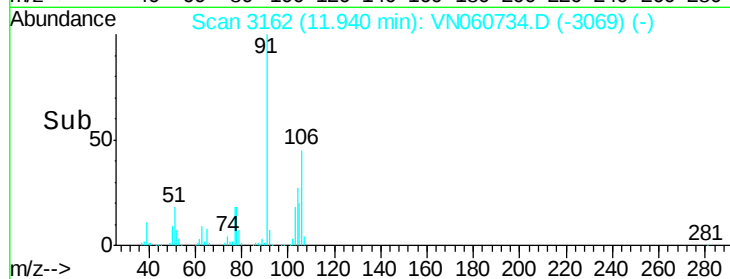
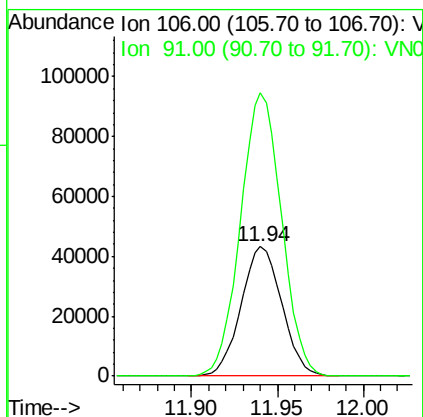
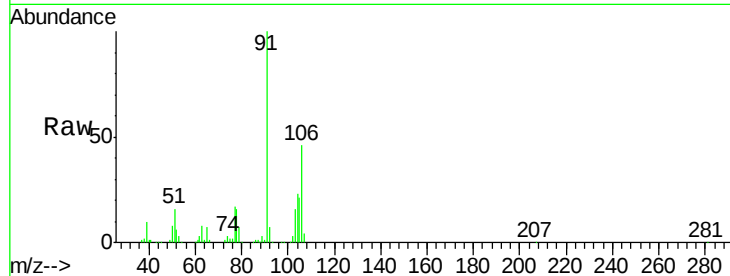




#69  
o-Xylene  
Concen: 18.629 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

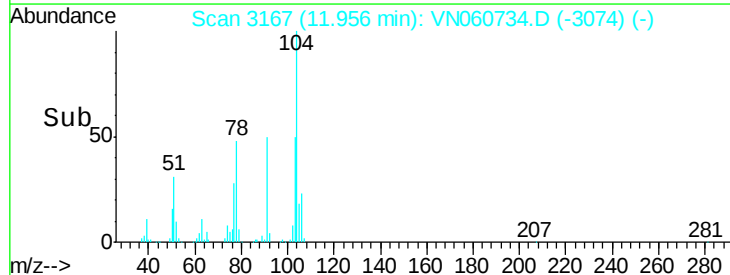
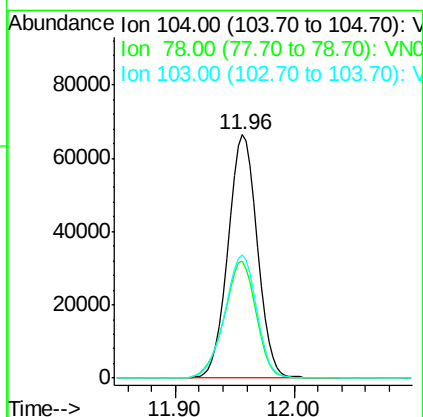
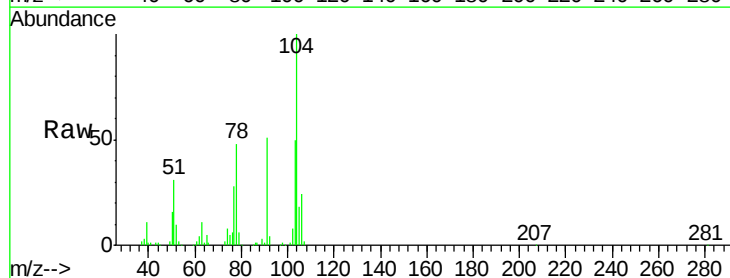
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0327WBSD01

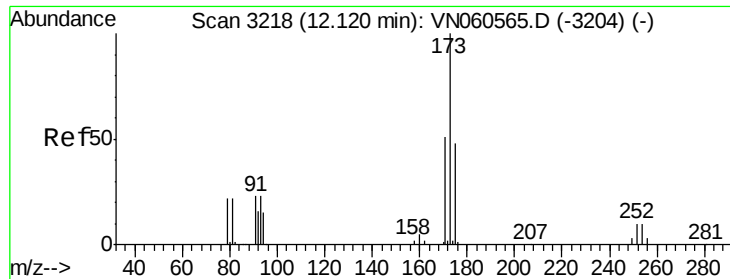
Tgt Ion:106 Resp: 71050  
Ion Ratio Lower Upper  
106 100  
91 220.3 109.5 328.4



#70  
Styrene  
Concen: 18.163 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion:104 Resp: 113296  
Ion Ratio Lower Upper  
104 100  
78 52.2 41.2 61.8  
103 54.9 44.0 66.0

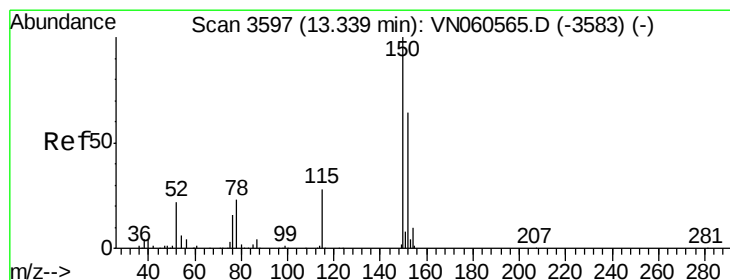
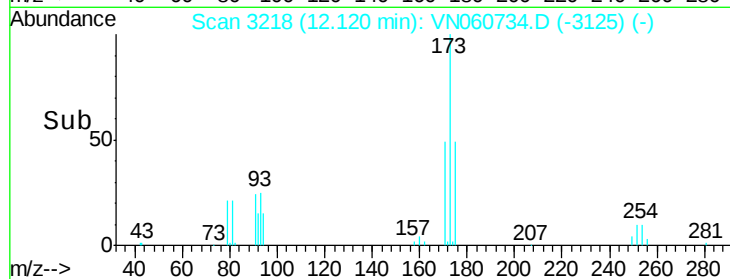
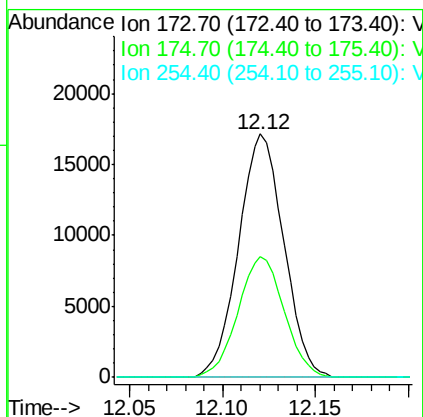
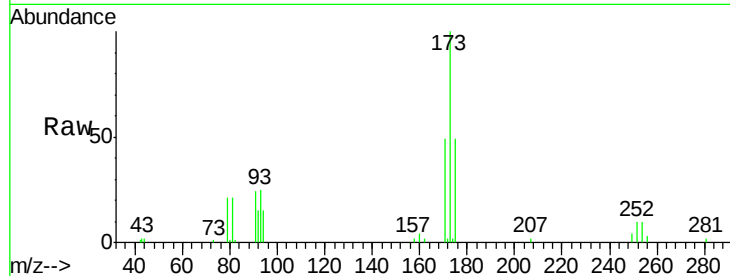




#71  
Bromoform  
Concen: 17.765 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

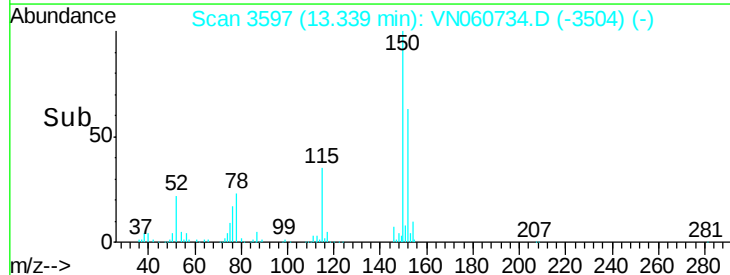
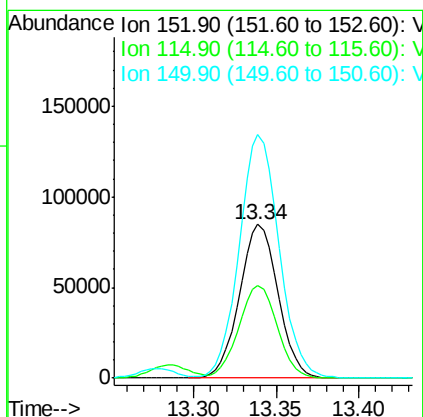
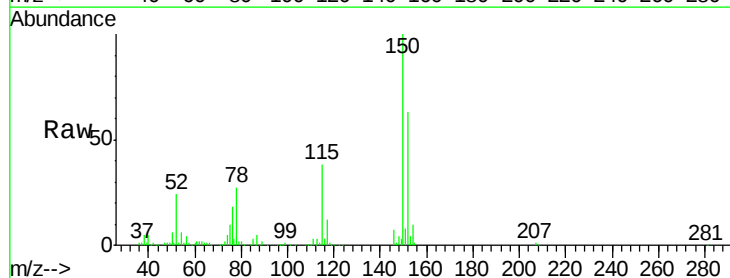
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0327WBSD01

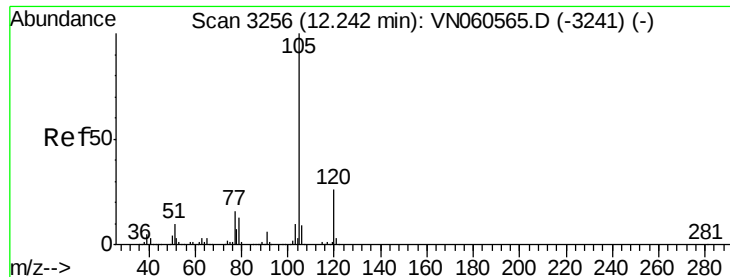
Tgt Ion:173 Resp: 28956  
Ion Ratio Lower Upper  
173 100  
175 50.7 24.1 72.4  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion:152 Resp: 136632  
Ion Ratio Lower Upper  
152 100  
115 60.6 30.2 90.6  
150 164.1 0.0 350.2





#73

Isopropylbenzene

Concen: 18.432 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

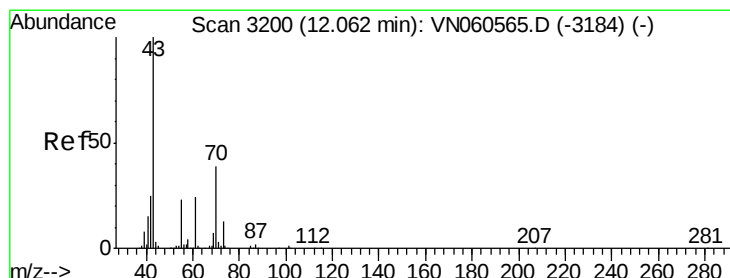
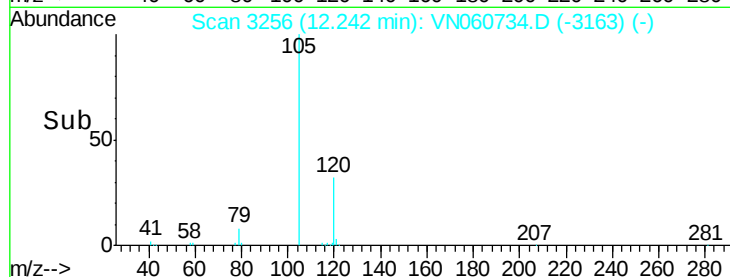
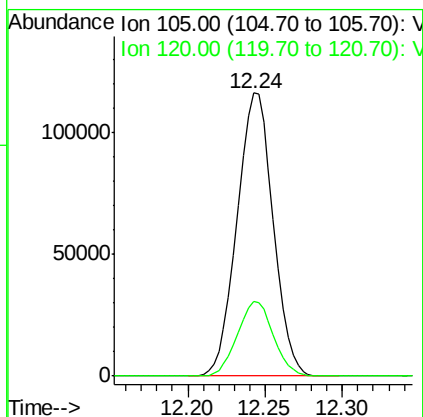
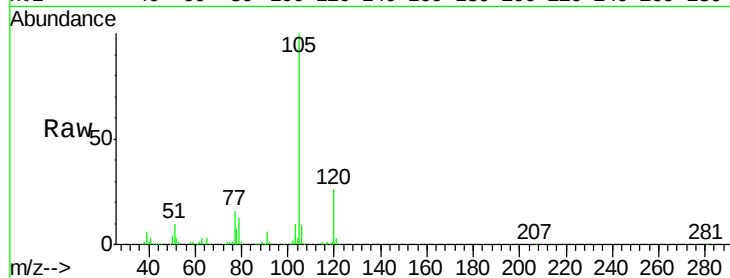
VN0327WBSD01

Tgt Ion:105 Resp: 188996

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



#74

N-ethyl acetate

Concen: 18.028 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Tgt Ion: 43 Resp: 85420

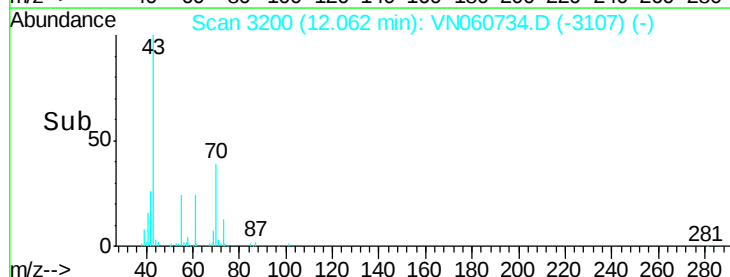
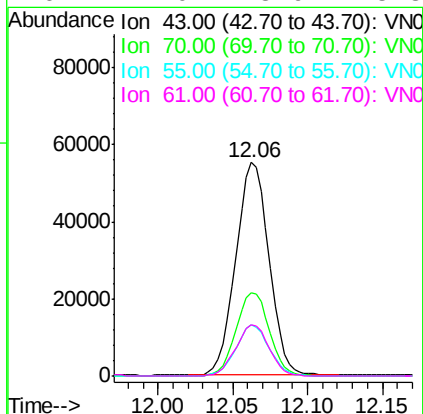
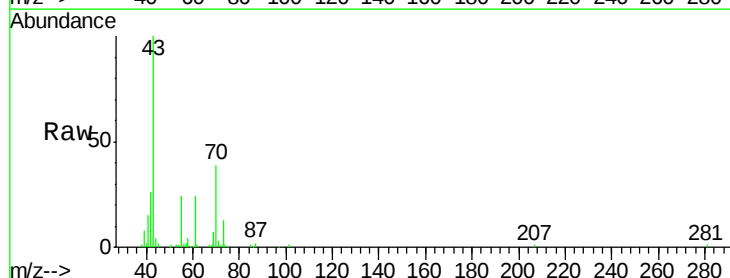
Ion Ratio Lower Upper

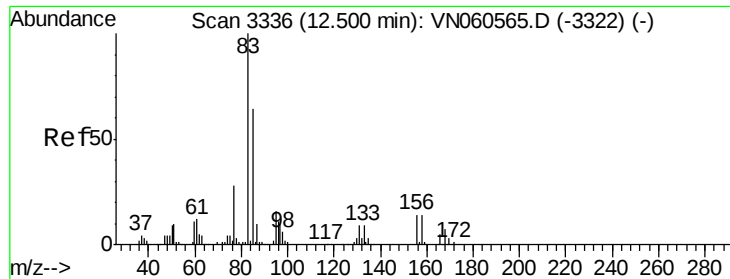
43 100

70 39.2 31.1 46.7

55 24.2 18.6 27.8

61 24.0 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.565 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

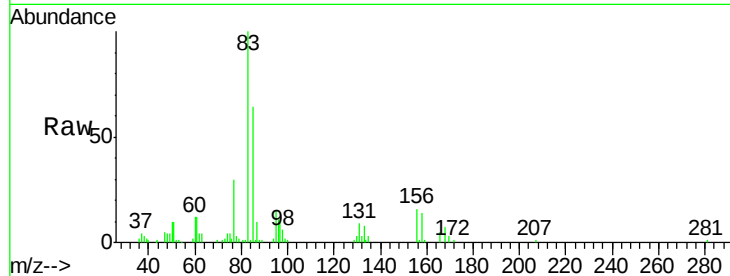
Tgt Ion: 83 Resp: 57567

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

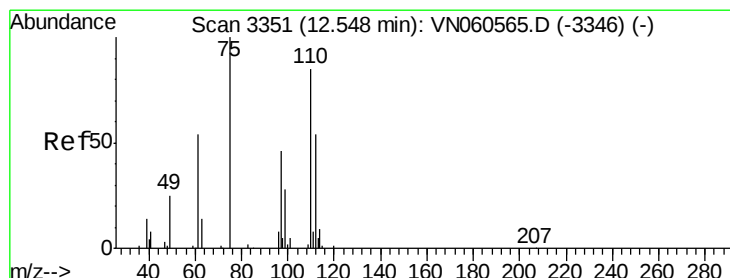
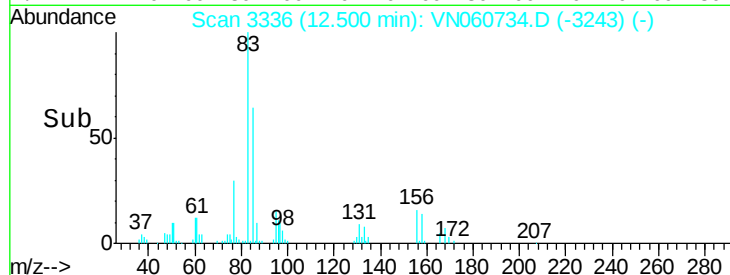
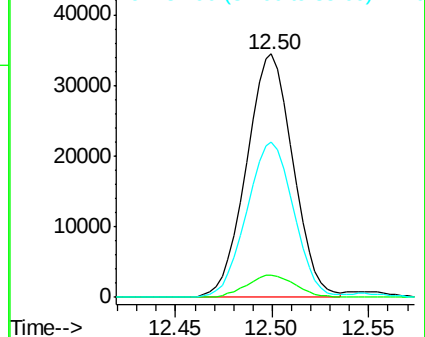
85 64.4 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.134 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060734.D

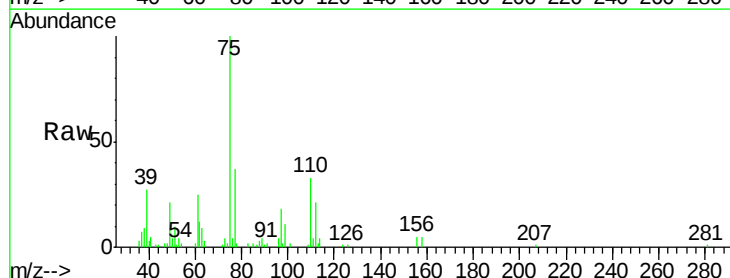
Acq: 27 Mar 2020 12:14

Tgt Ion: 75 Resp: 77049

Ion Ratio Lower Upper

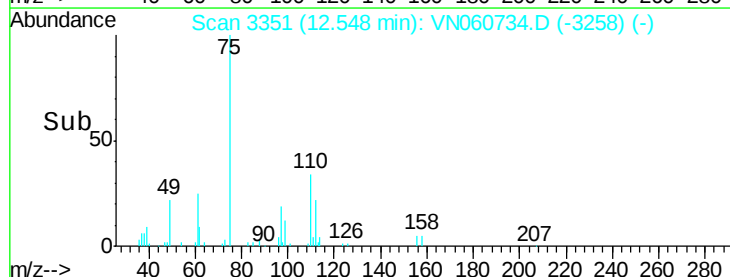
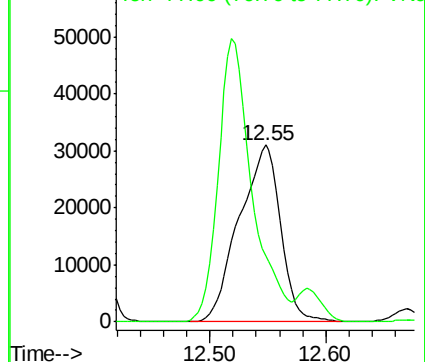
75 100

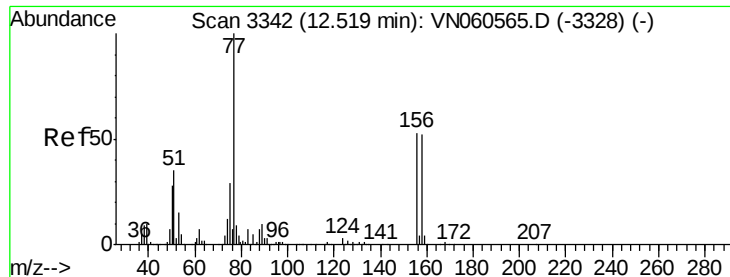
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.714 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

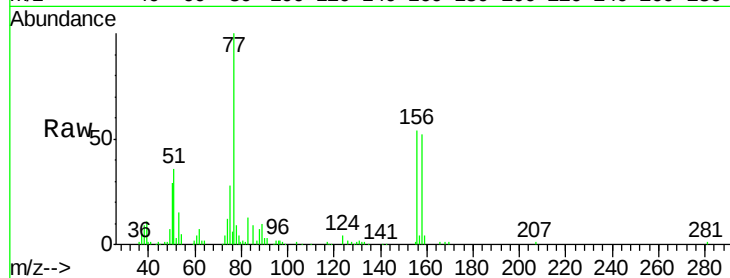
Tgt Ion:156 Resp: 46238

Ion Ratio Lower Upper

156 100

77 218.2 112.3 337.0

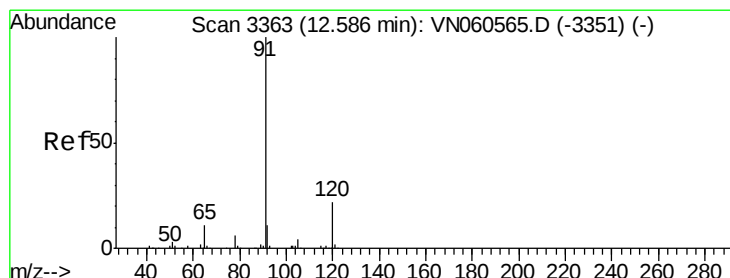
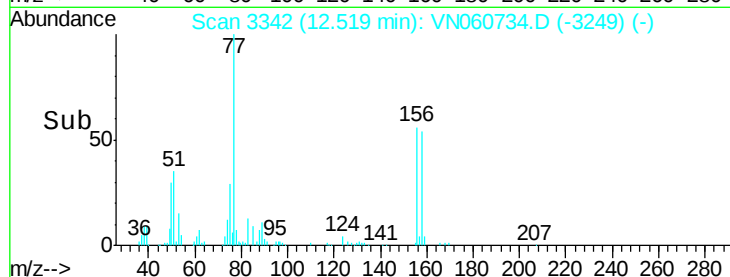
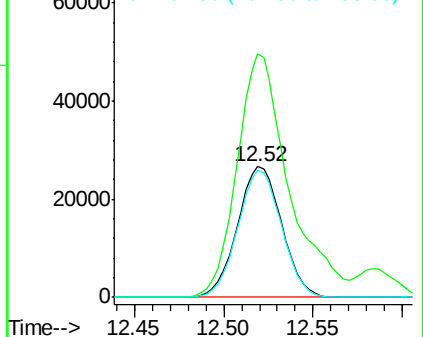
158 96.1 48.6 145.8



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: 18.419 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060734.D

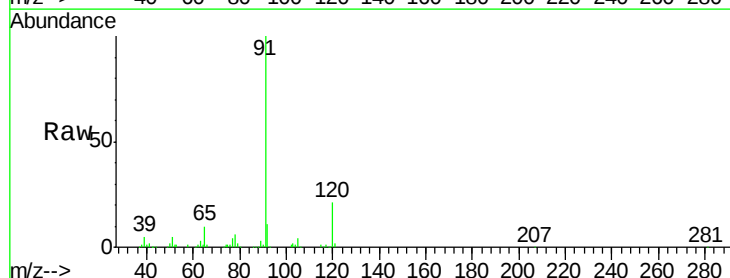
Acq: 27 Mar 2020 12:14

Tgt Ion: 91 Resp: 223126

Ion Ratio Lower Upper

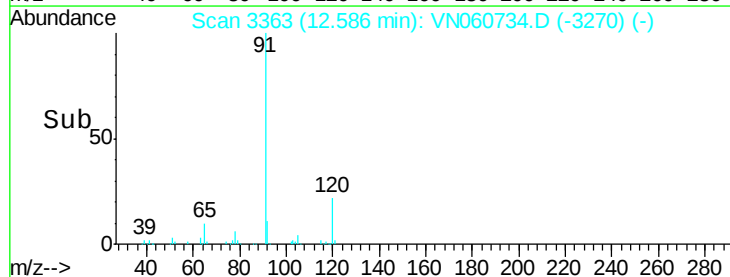
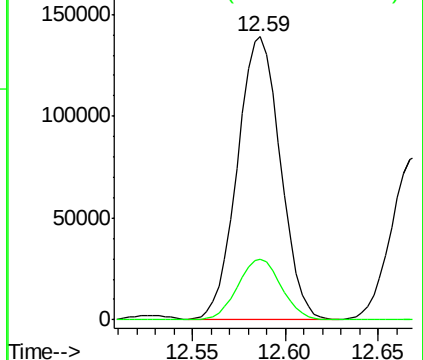
91 100

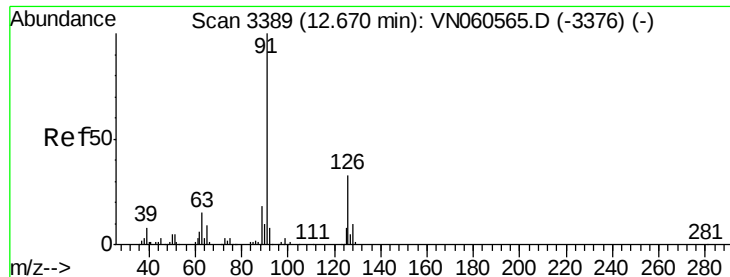
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.282 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

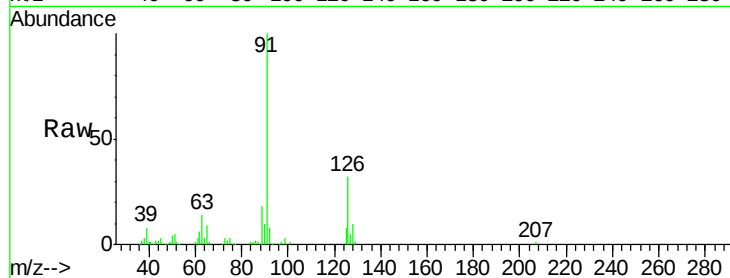
VN0327WBSD01

Tgt Ion: 91 Resp: 132326

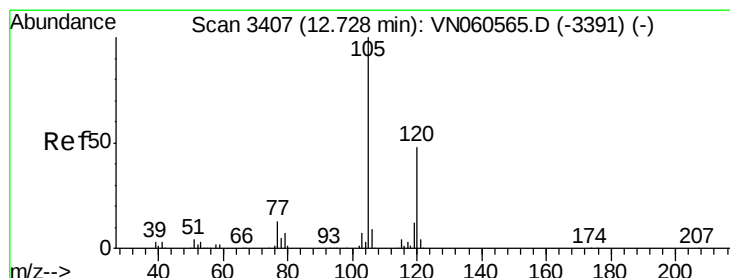
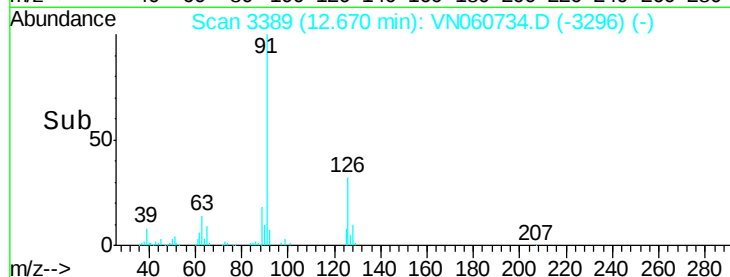
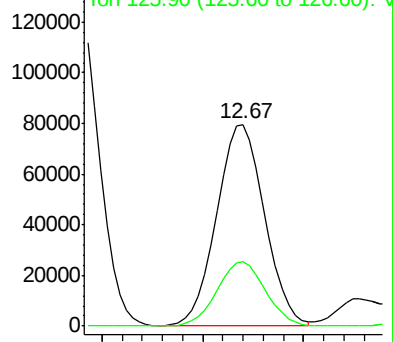
Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060734.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.434 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060734.D

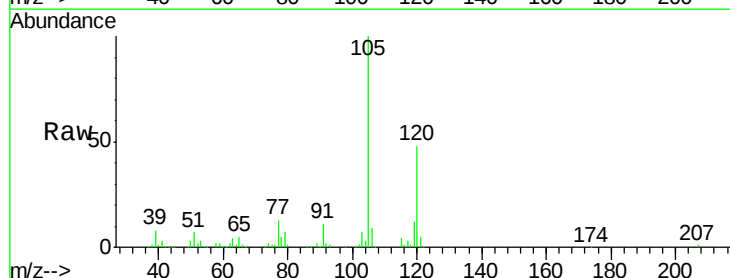
Acq: 27 Mar 2020 12:14

Tgt Ion: 105 Resp: 160404

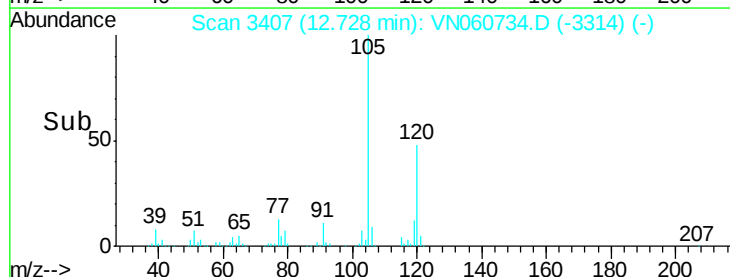
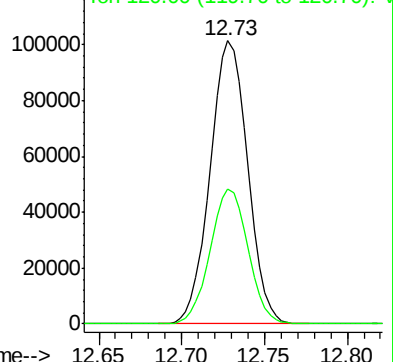
Ion Ratio Lower Upper

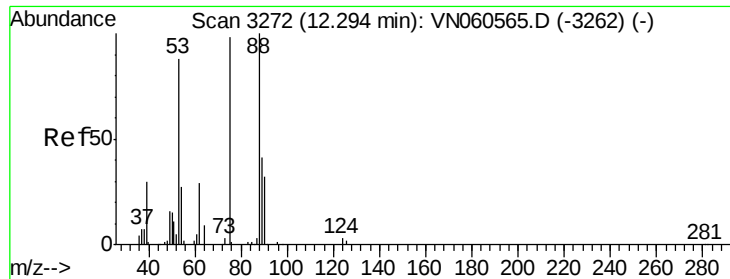
105 100

120 47.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060734.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.041 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

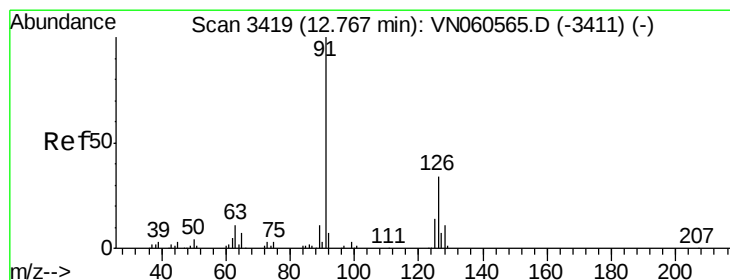
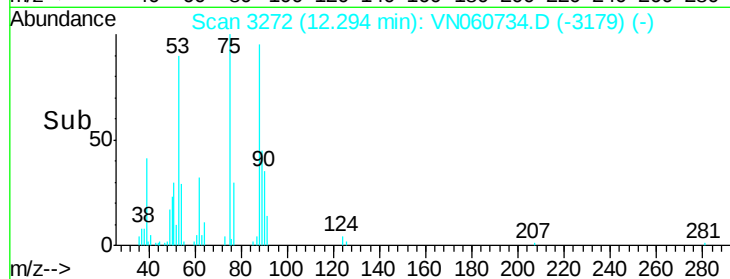
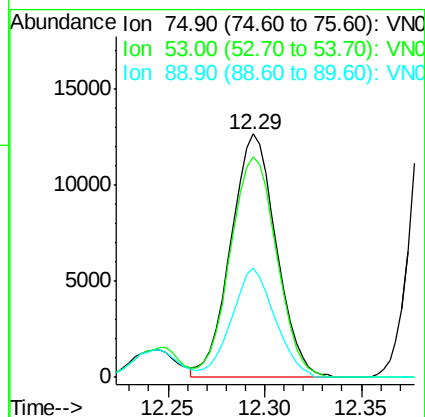
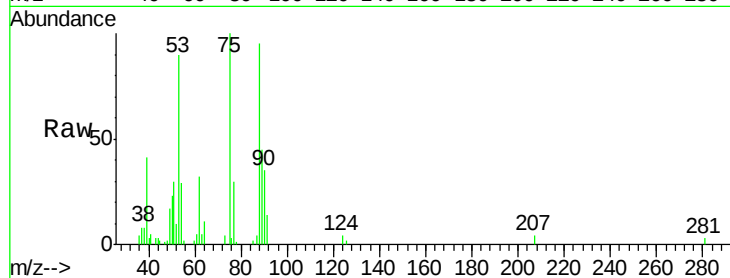
Tgt Ion: 75 Resp: 20710

Ion Ratio Lower Upper

75 100

53 92.7 73.0 109.4

89 42.7 34.8 52.2



#82

4-Chlorotoluene

Concen: 18.414 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060734.D

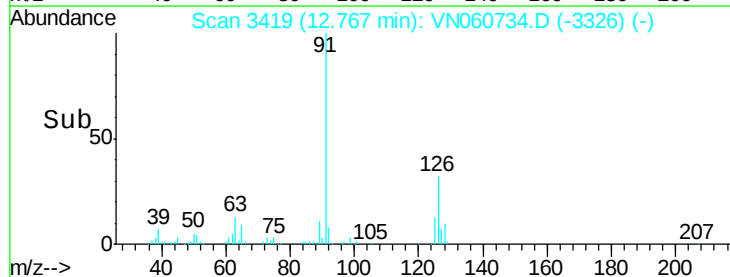
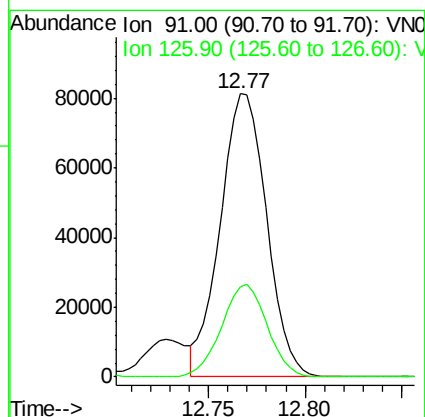
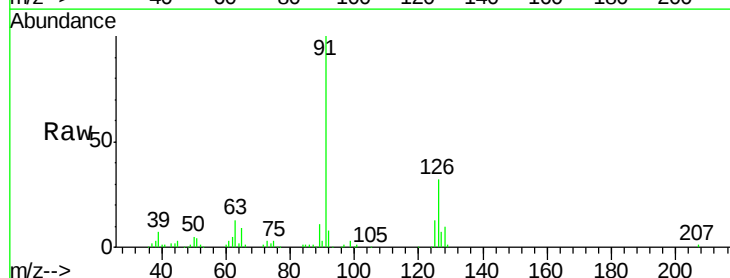
Acq: 27 Mar 2020 12:14

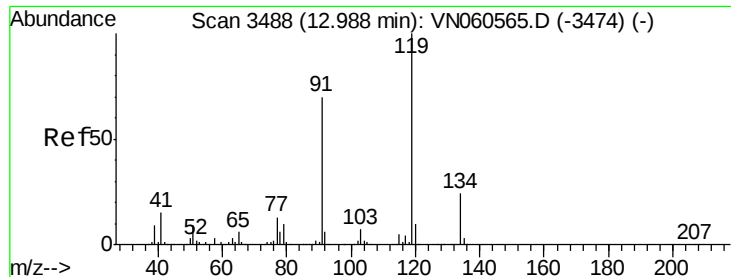
Tgt Ion: 91 Resp: 135749

Ion Ratio Lower Upper

91 100

126 32.1 16.2 48.5

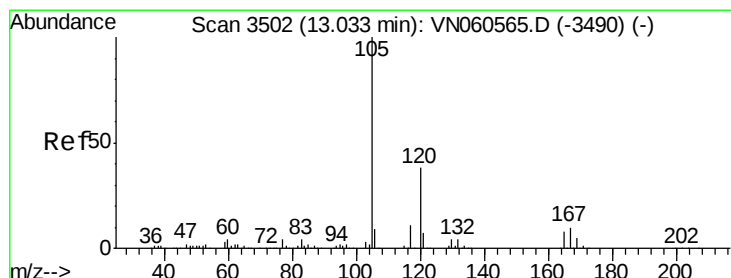
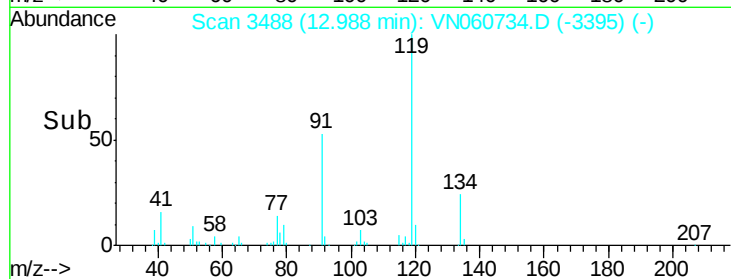
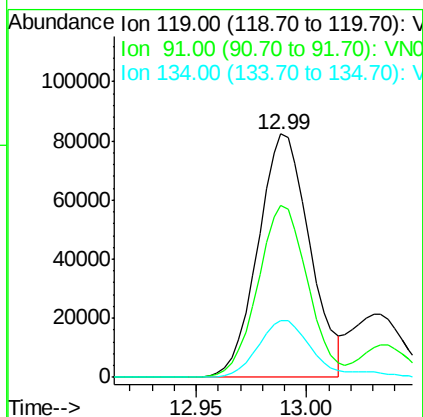
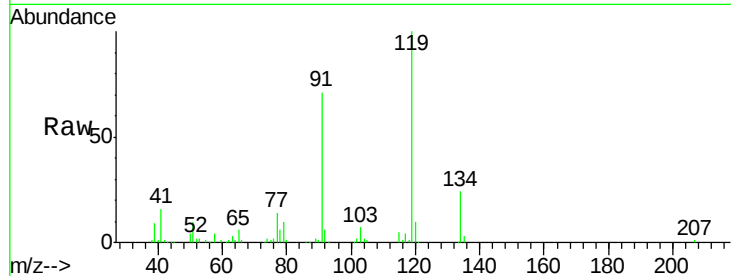




#83  
 tert-Butylbenzene  
 Concen: 18.569 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

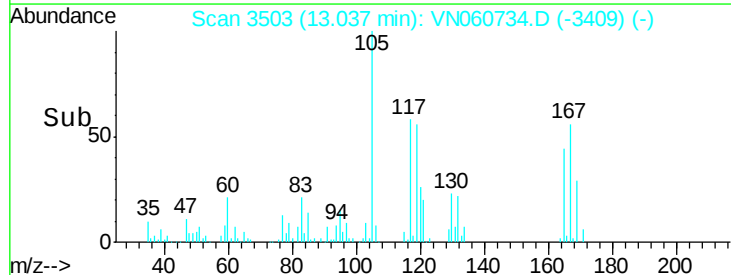
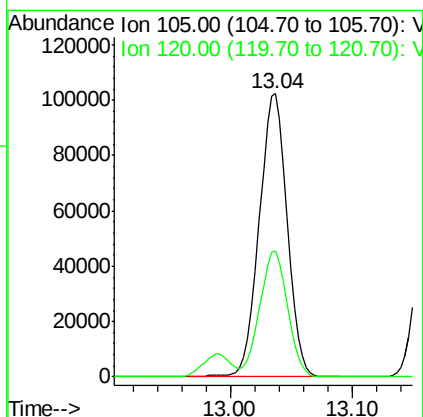
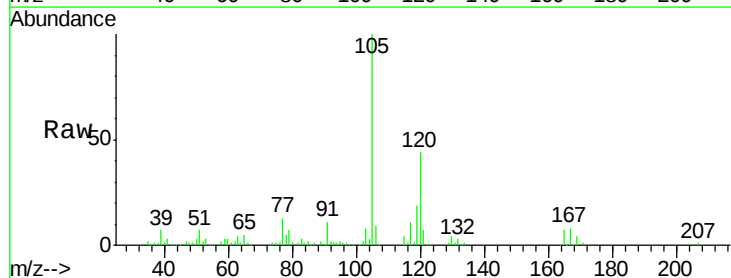
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

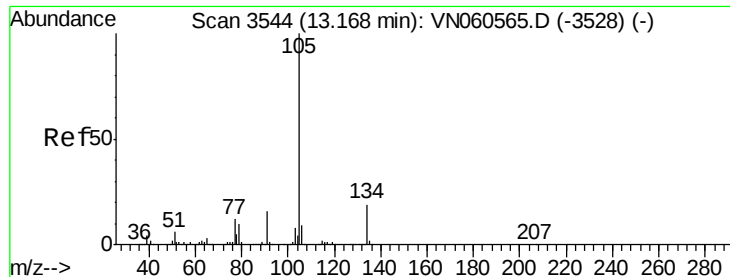
Tgt Ion:119 Resp: 133942  
 Ion Ratio Lower Upper  
 119 100  
 91 68.4 34.0 101.8  
 134 25.0 12.7 38.0



#84  
 1,2,4-Trimethylbenzene  
 Concen: 18.813 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. 0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion:105 Resp: 161953  
 Ion Ratio Lower Upper  
 105 100  
 120 44.2 22.1 66.5

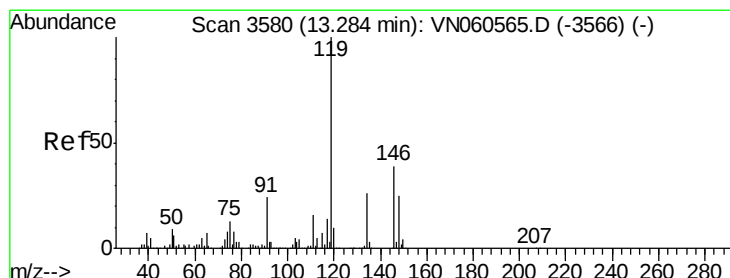
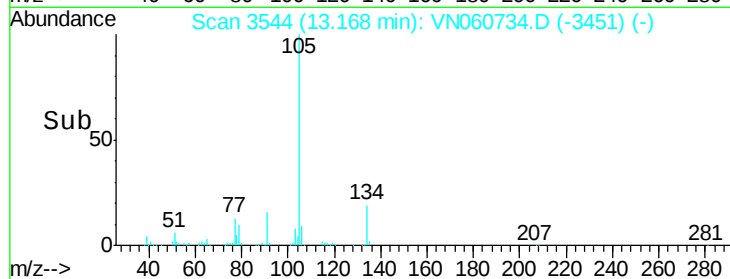
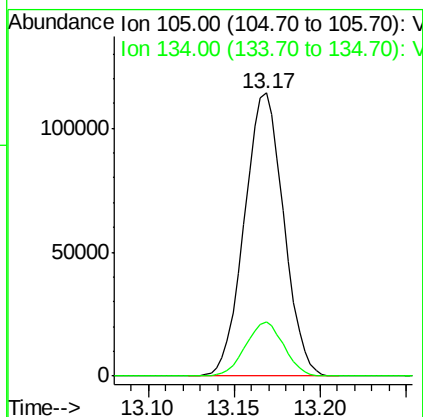
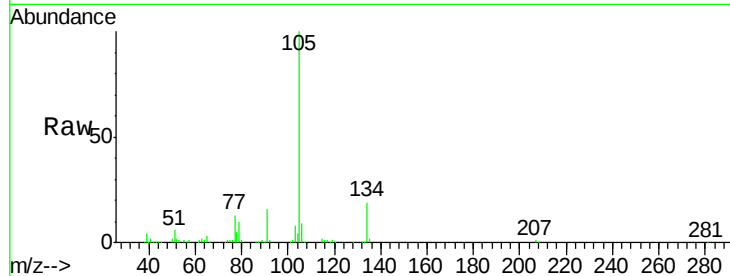




#85  
 sec-Butylbenzene  
 Concen: 18.651 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

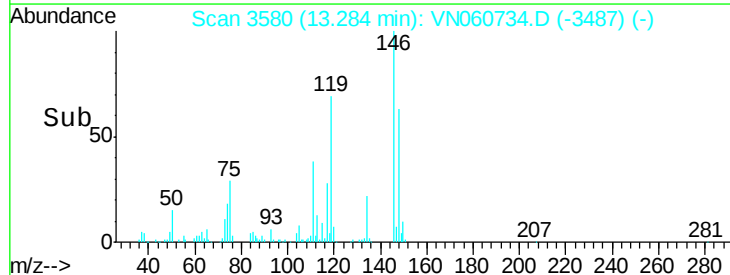
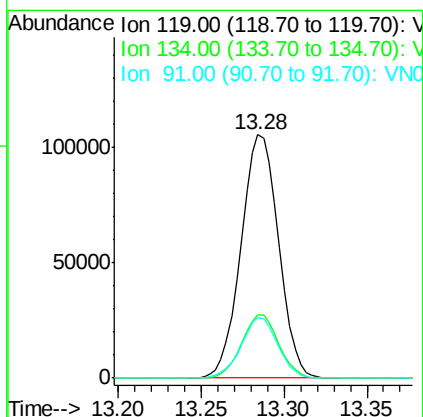
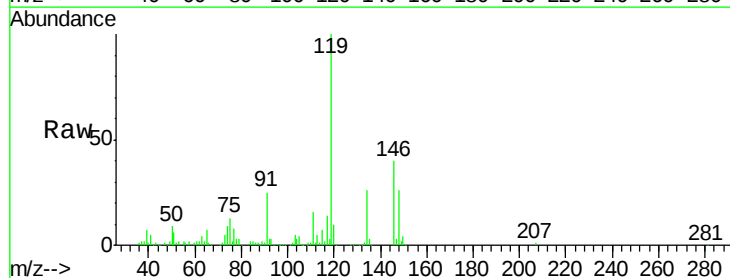
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

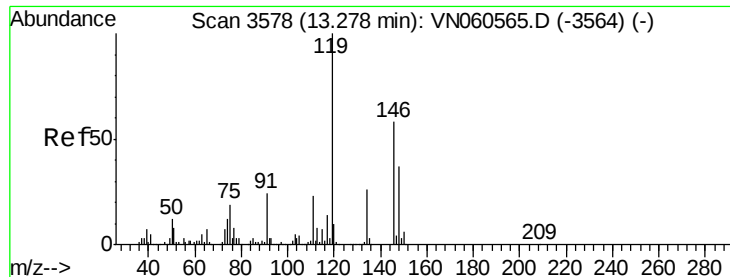
Tgt Ion:105 Resp: 180913  
 Ion Ratio Lower Upper  
 105 100  
 134 18.8 9.6 28.8



#86  
 p-Isopropyltoluene  
 Concen: 19.003 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion:119 Resp: 165746  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 13.0 39.0  
 91 24.3 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 18.856 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0327WBSD01

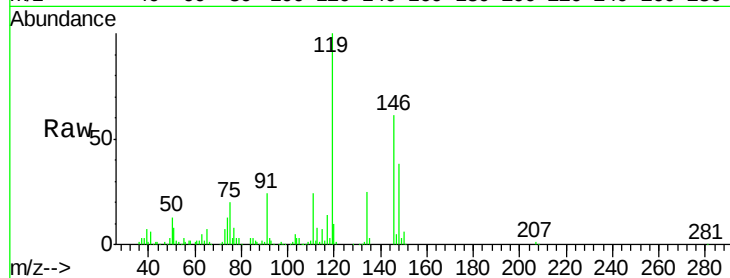
Tgt Ion:146 Resp: 82171

Ion Ratio Lower Upper

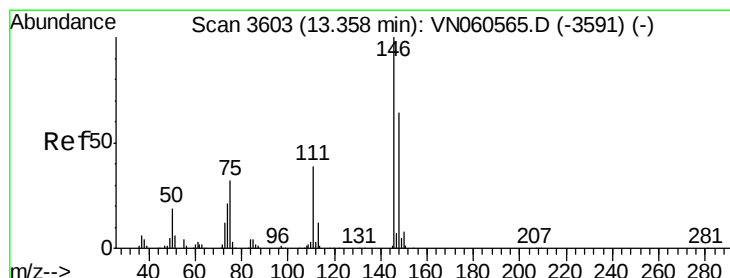
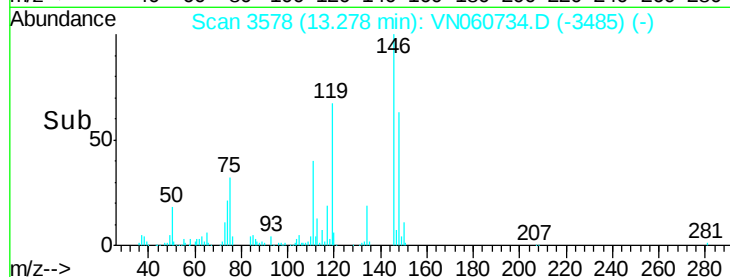
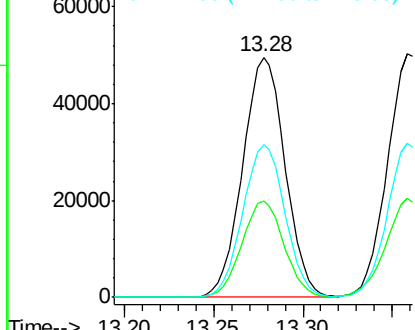
146 100

111 40.0 20.3 60.8

148 63.3 32.5 97.4



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



#88

1,4-Dichlorobenzene

Concen: 18.629 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060734.D

Acq: 27 Mar 2020 12:14

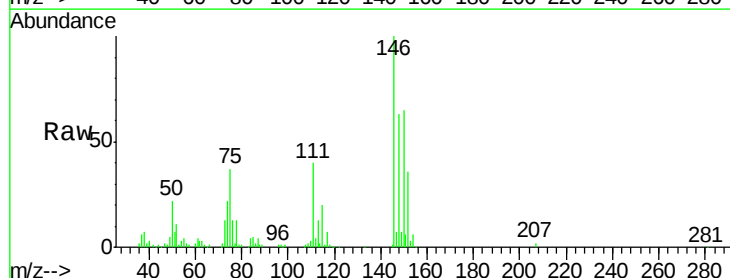
Tgt Ion:146 Resp: 81560

Ion Ratio Lower Upper

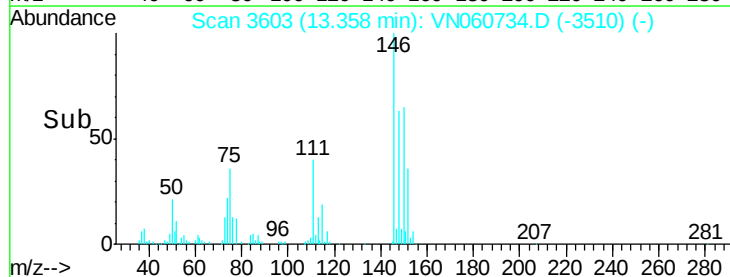
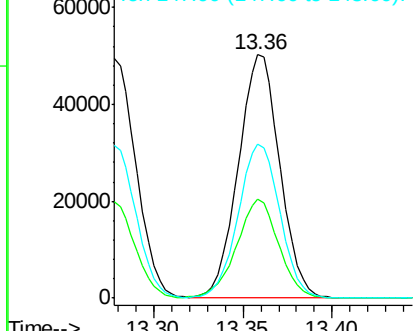
146 100

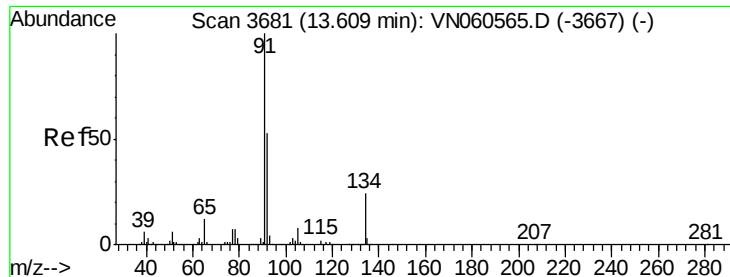
111 41.3 19.6 58.7

148 63.8 32.1 96.3



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

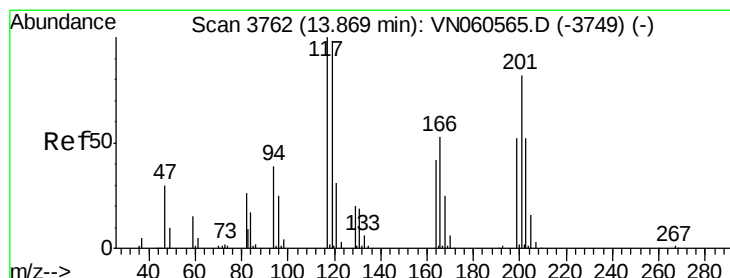
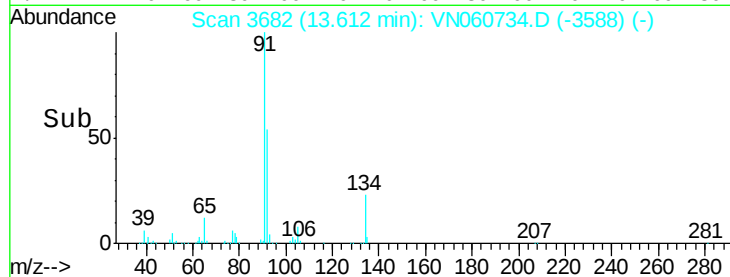
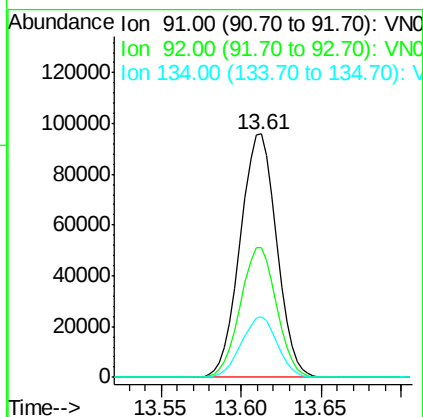
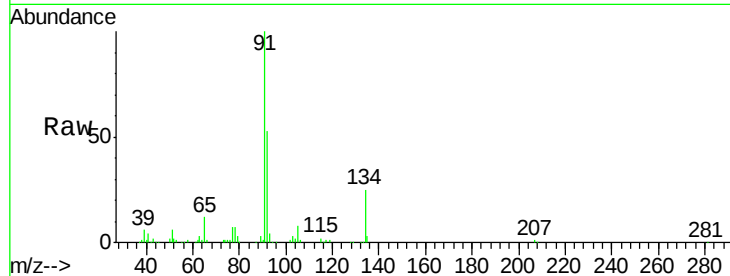




#89  
n-Butylbenzene  
Concen: 18.965 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

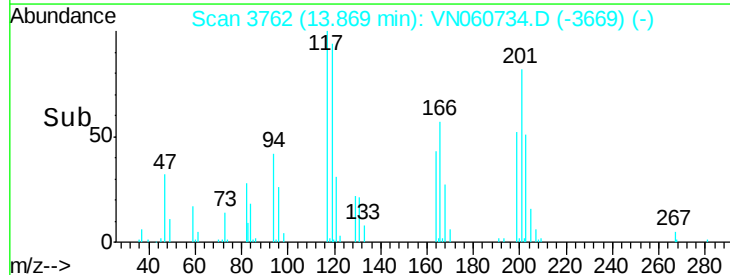
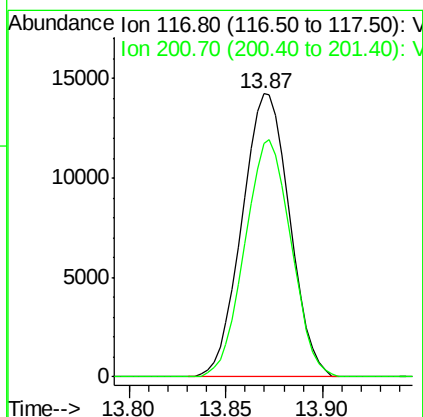
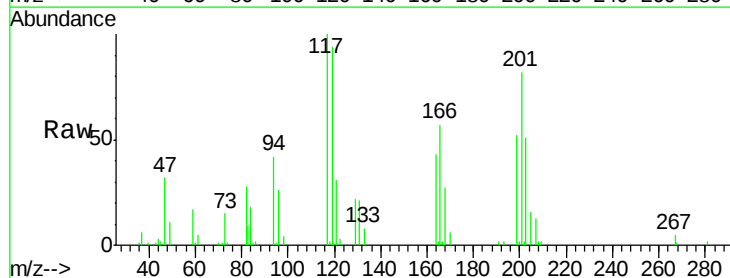
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0327WBSD01

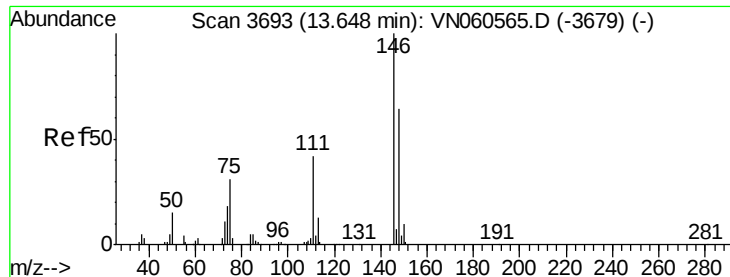
Tgt Ion: 91 Resp: 149349  
Ion Ratio Lower Upper  
91 100  
92 52.8 26.2 78.5  
134 24.5 12.3 36.9



#90  
Hexachloroethane  
Concen: 19.284 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion: 117 Resp: 24449  
Ion Ratio Lower Upper  
117 100  
201 81.3 40.8 122.5

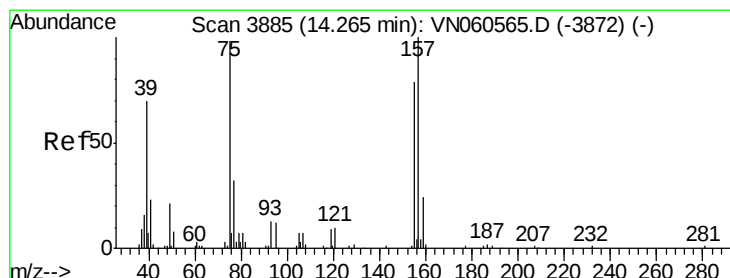
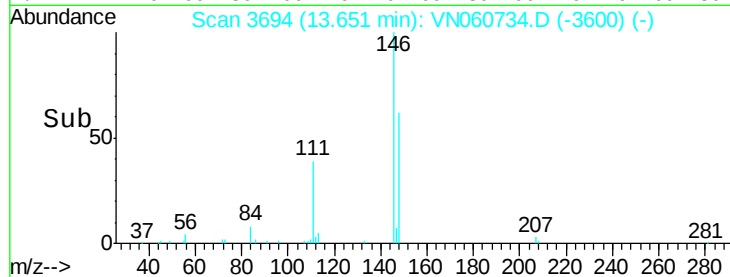
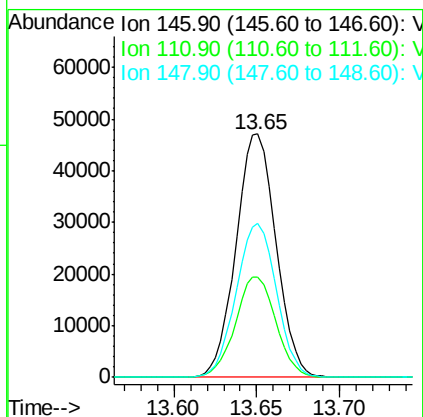
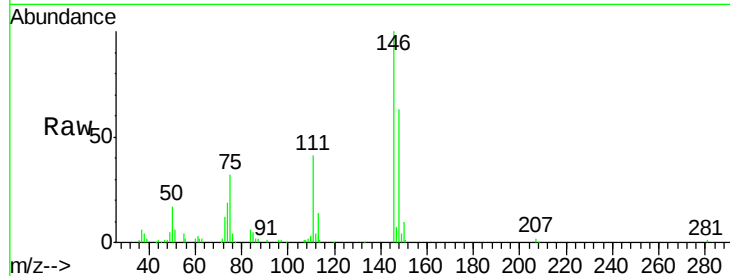




#91  
 1,2-Dichlorobenzene  
 Concen: 18.987 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

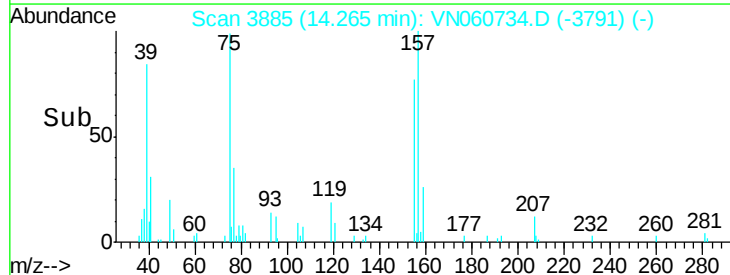
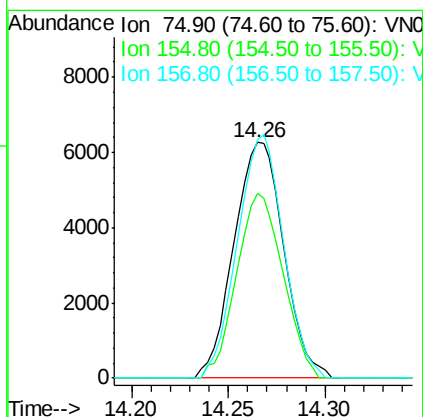
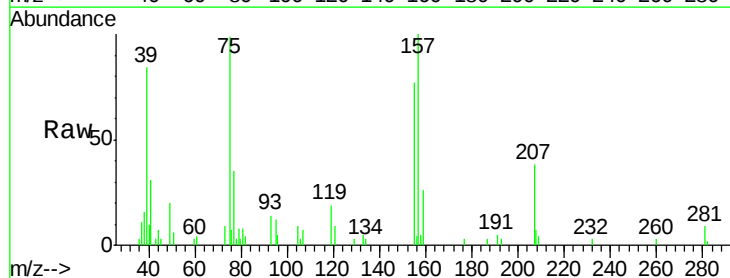
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

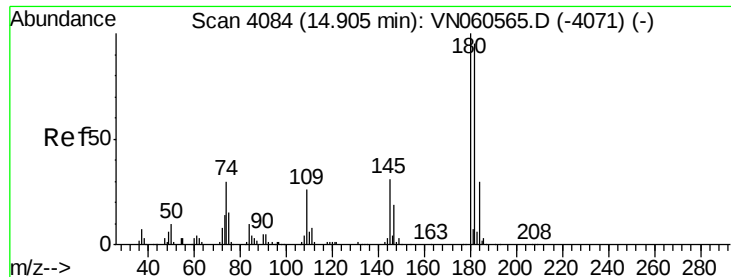
Tgt Ion:146 Resp: 79117  
 Ion Ratio Lower Upper  
 146 100  
 111 41.8 21.0 63.0  
 148 63.7 31.9 95.5



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.133 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion: 75 Resp: 11242  
 Ion Ratio Lower Upper  
 75 100  
 155 73.0 40.7 122.1  
 157 95.5 51.5 154.7

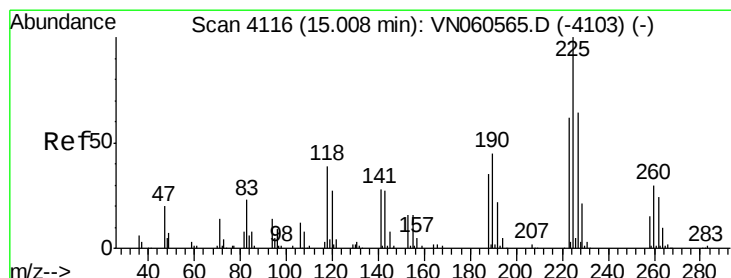
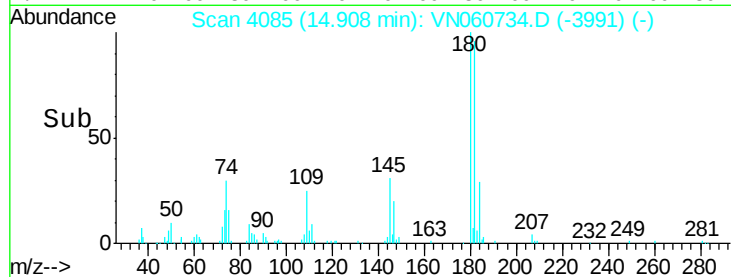
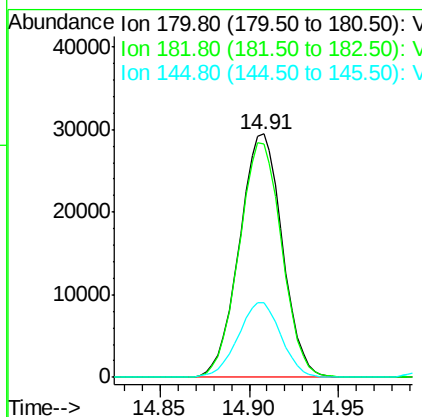
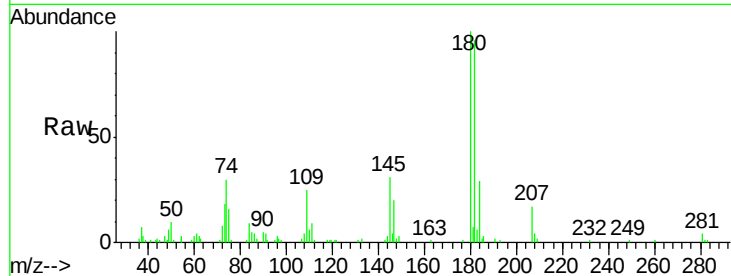




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.278 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

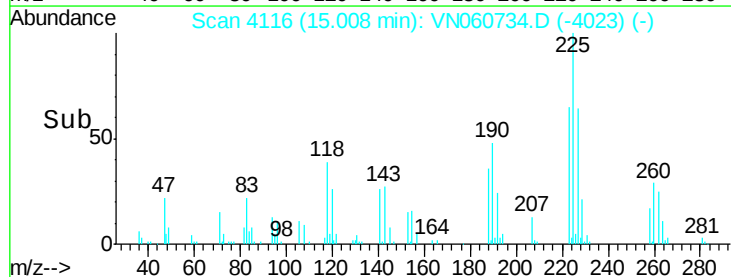
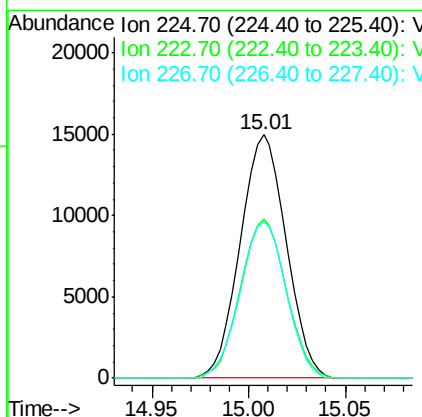
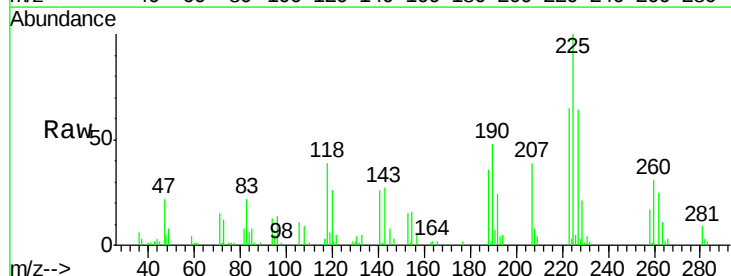
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0327WBSD01

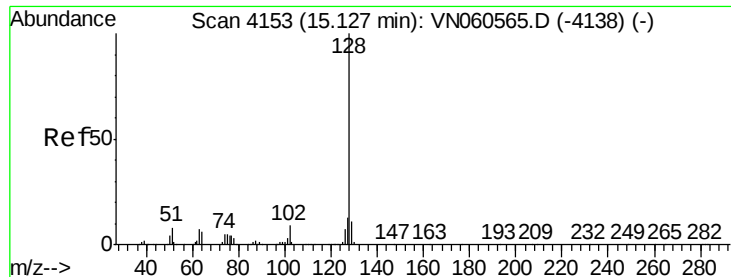
Tgt Ion:180 Resp: 49330  
 Ion Ratio Lower Upper  
 180 100  
 182 96.2 47.9 143.8  
 145 30.8 15.4 46.2



#94  
 Hexachlorobutadiene  
 Concen: 19.756 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN060734.D  
 Acq: 27 Mar 2020 12:14

Tgt Ion:225 Resp: 24782  
 Ion Ratio Lower Upper  
 225 100  
 223 65.3 31.6 95.0  
 227 64.0 32.3 96.8

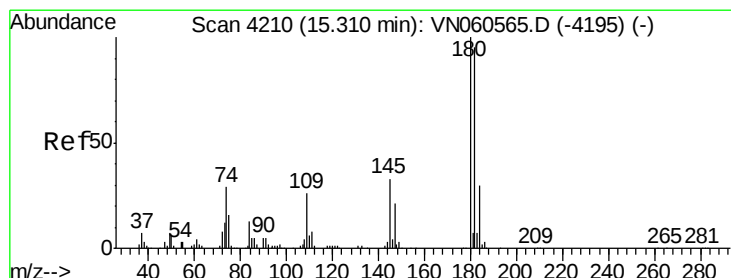
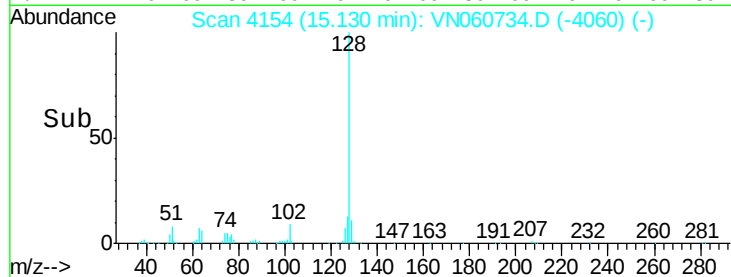
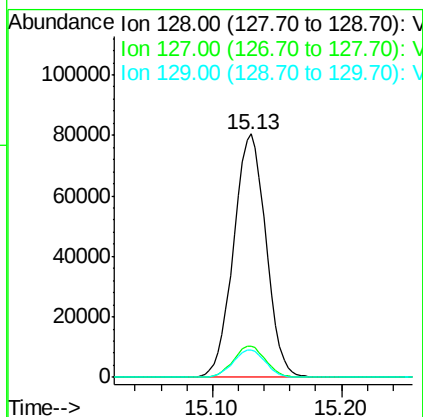
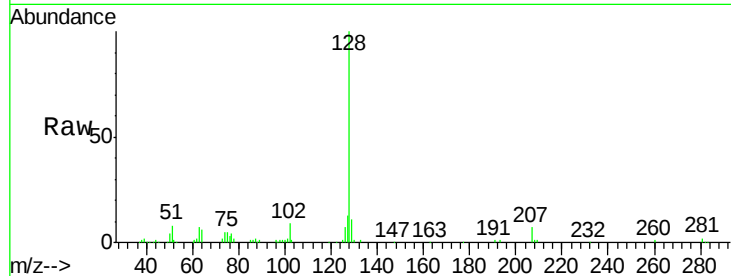




#95  
Naphthalene  
Concen: 18.210 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0327WBSD01

Tgt Ion:128 Resp: 140151  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.2 15.2  
129 11.1 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 18.461 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. -0.00 min  
Lab File: VN060734.D  
Acq: 27 Mar 2020 12:14

Tgt Ion:180 Resp: 46529  
Ion Ratio Lower Upper  
180 100  
182 96.4 47.5 142.6  
145 33.1 16.3 48.8

