

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\  
 Data File : VN062970.D  
 Acq On : 17 Aug 2020 14:14  
 Operator : JC/MD  
 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 8/18/2020 11:12:47 AM

Quant Time: Aug 17 15:05:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081720W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 17 14:58:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 221371   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 315386   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 313333   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 146589   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 43232    | 12.72 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 25.44% |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 38449    | 18.00 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 36.00% |      |
| 50) Toluene-d8            | 10.06  | 98  | 151469   | 18.14 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 36.28% |      |
| 62) 4-Bromofluorobenzene  | 12.38  | 95  | 51473    | 16.60 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 33.20% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 55353  | 18.089 | ug/l | 100    |
| 3) Chloromethane              | 2.04 | 50  | 50028  | 17.172 | ug/l | 98     |
| 4) Vinyl Chloride             | 2.16 | 62  | 58376  | 20.265 | ug/l | 99     |
| 5) Bromomethane               | 2.52 | 94  | 43633  | 22.838 | ug/l | 100    |
| 6) Chloroethane               | 2.66 | 64  | 42562  | 22.530 | ug/l | 93     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 85071  | 17.341 | ug/l | 98     |
| 8) Diethyl Ether              | 3.37 | 74  | 21063  | 15.113 | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 36648  | 16.734 | ug/l | 99     |
| 10) Methyl Iodide             | 3.91 | 142 | 48695  | 19.898 | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.74 | 59  | 37437  | 67.917 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 3.70 | 96  | 33174  | 15.966 | ug/l | 96     |
| 13) Acrolein                  | 3.57 | 56  | 20034  | 58.564 | ug/l | 96     |
| 14) Allyl chloride            | 4.27 | 41  | 50597  | 13.519 | ug/l | 100    |
| 15) Acrylonitrile             | 4.93 | 53  | 101116 | 75.624 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 76721  | 61.611 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.01 | 76  | 90222  | 14.743 | ug/l | 100    |
| 18) Methyl Acetate            | 4.28 | 43  | 43272  | 12.902 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 117732 | 14.393 | ug/l | 97     |
| 20) Methylene Chloride        | 4.50 | 84  | 42424  | 15.987 | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 37188  | 17.031 | ug/l | 92     |
| 22) Diisopropyl ether         | 5.90 | 45  | 119636 | 15.091 | ug/l | 95     |
| 23) Vinyl Acetate             | 5.84 | 43  | 393014 | 65.553 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 70523  | 15.091 | ug/l | 99     |
| 25) 2-Butanone                | 6.79 | 43  | 121890 | 69.467 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 6.78 | 77  | 56449  | 13.403 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 44328  | 17.008 | ug/l | 98     |
| 28) Bromochloromethane        | 7.15 | 49  | 35026  | 15.499 | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.17 | 42  | 82320  | 72.050 | ug/l | 98     |
| 30) Chloroform                | 7.33 | 83  | 75398  | 15.310 | ug/l | 97     |
| 31) Cyclohexane               | 7.62 | 56  | 67391  | 15.817 | ug/l | # 96   |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 61058  | 14.057 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 50357  | 16.848 | ug/l | 99     |
| 37) Ethyl Acetate             | 6.89 | 43  | 46755  | 15.242 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 56045  | 15.898 | ug/l | 99     |

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 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
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Quant Time: Aug 17 15:05:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081720W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 17 14:58:09 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 66926    | 18.186  | ug/l   | 97       |
| 40) Benzene                    | 8.00  | 78   | 163054   | 17.964  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.14  | 41   | 22050m   | 16.320  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.09  | 62   | 53794    | 14.510  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.13  | 43   | 73841    | 14.458  | ug/l # | 91       |
| 44) Trichloroethene            | 8.80  | 130  | 44811    | 19.930  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.09  | 63   | 44885    | 18.418  | ug/l   | 99       |
| 46) Dibromomethane             | 9.18  | 93   | 29124    | 18.221  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.37  | 83   | 59819    | 16.935  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.17  | 41   | 35540    | 14.193  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 15863    | 337.677 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 261716   | 79.335  | ug/l   | 99       |
| 52) Toluene                    | 10.12 | 92   | 108143   | 19.261  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 64738    | 16.729  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 69242    | 17.537  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 47811    | 19.885  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 62397    | 17.710  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 75340    | 18.749  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 60358    | 61.899  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.72 | 43   | 198783   | 81.204  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.87 | 129  | 52975    | 19.463  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 47019    | 19.846  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.60 | 164  | 41861    | 20.424  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.41 | 112  | 125756   | 19.284  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 49348    | 18.989  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.48 | 91   | 205934   | 17.895  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.60 | 106  | 162268   | 38.463  | ug/l   | 99       |
| 69) o-Xylene                   | 11.92 | 106  | 75638    | 19.175  | ug/l   | 100      |
| 70) Styrene                    | 11.94 | 104  | 132717   | 19.153  | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 41168    | 19.176  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.22 | 105  | 201320   | 18.628  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.05 | 43   | 63217    | 15.001  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 67489    | 17.756  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 61926m   | 16.318  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 56743    | 20.594  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.57 | 91   | 222891   | 17.630  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 135454   | 17.167  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 170754   | 18.246  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 20628    | 16.728  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 140093   | 17.191  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.97 | 119  | 142588   | 17.921  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 160829   | 17.952  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 192024   | 18.403  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 167134   | 18.025  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 94098    | 19.273  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 95193    | 19.375  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.59 | 91   | 122204   | 15.691  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 34174    | 17.227  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 91908    | 20.010  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 11109    | 14.162  | ug/l   | 96       |

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Acq On : 17 Aug 2020 14:14  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Manual Integrations  
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Quant Time: Aug 17 15:05:55 2020  
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Quant Title : SW846 8260  
QLast Update : Mon Aug 17 14:58:09 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 40556    | 18.650 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 33854    | 20.762 | ug/l  | 99       |
| 95) Naphthalene            | 15.10 | 128  | 90645    | 16.241 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 42059    | 19.982 | ug/l  | 97       |

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

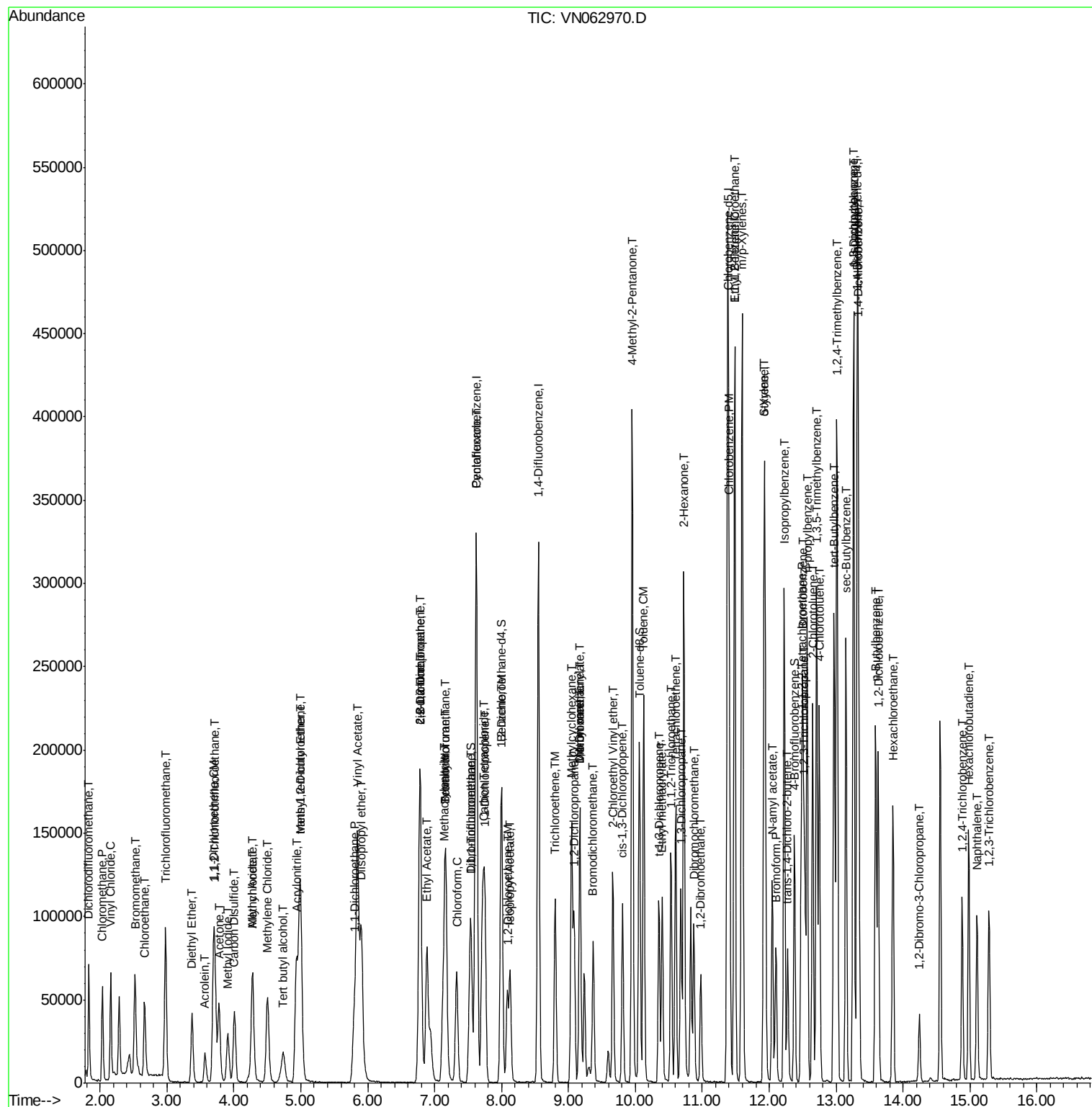
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Data File : VN062970.D  
Acq On : 17 Aug 2020 14:14  
Operator : JC/MD  
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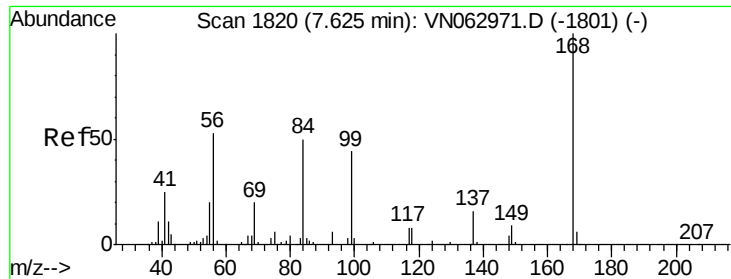
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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Quant Title : SW846 8260  
QLast Update : Mon Aug 17 14:58:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 221371

Ion Ratio Lower Upper

168 100

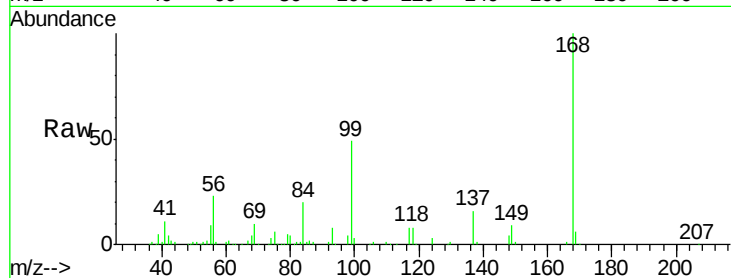
99 48.9 39.4 59.0

Manual Integrations

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8/18/2020 11:12:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

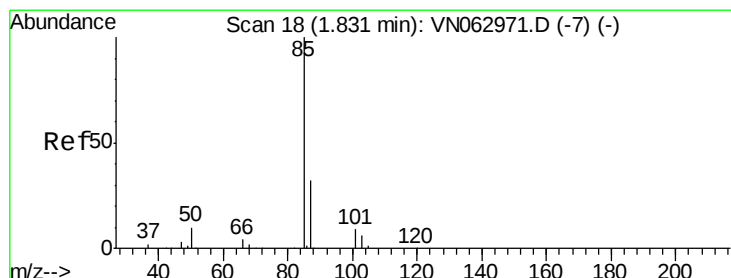
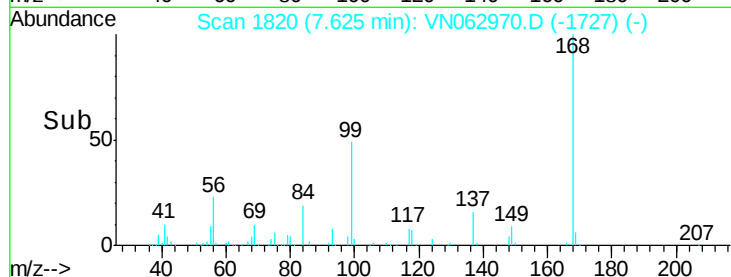
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.089 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062970.D

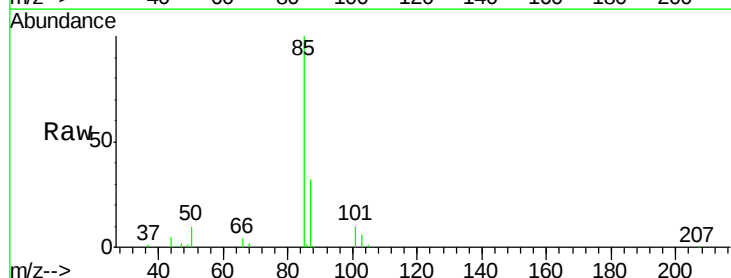
Acq: 17 Aug 2020 14:14

Tgt Ion: 85 Resp: 55353

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

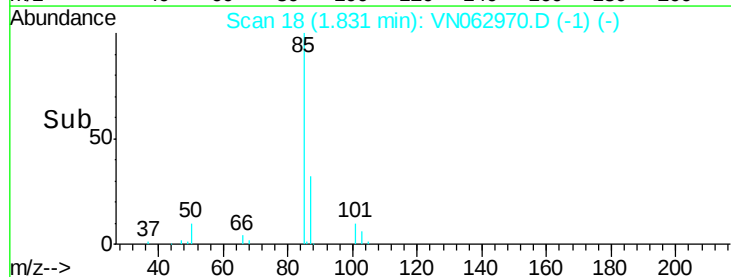
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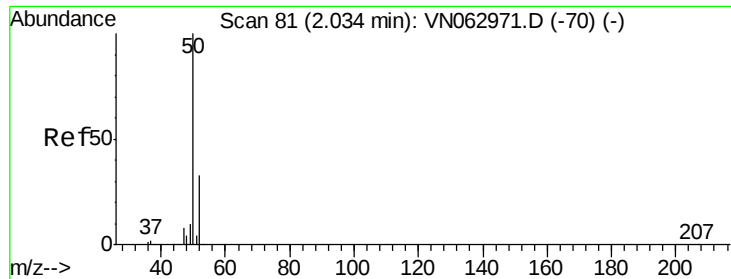
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Time-->





#3

Chloromethane

Concen: 17.172 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 50028

Ion Ratio Lower Upper

50 100

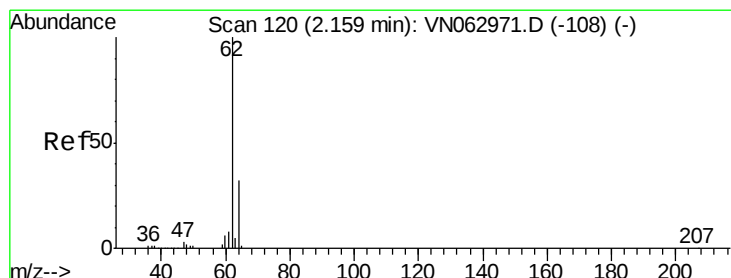
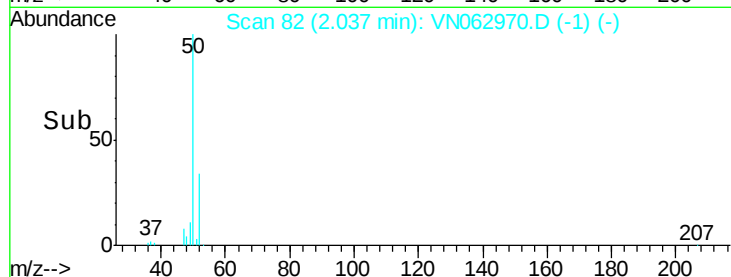
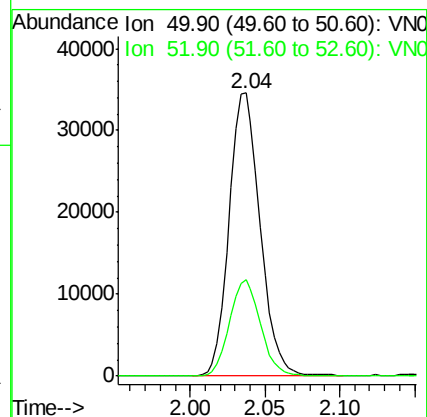
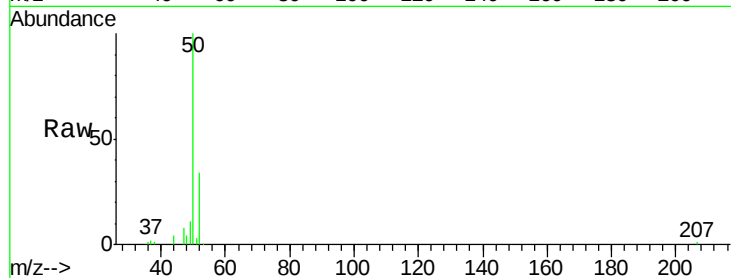
52 34.0 26.2 39.2

Manual Integrations

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8/18/2020 11:12:47 AM



#4

Vinyl Chloride

Concen: 20.265 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062970.D

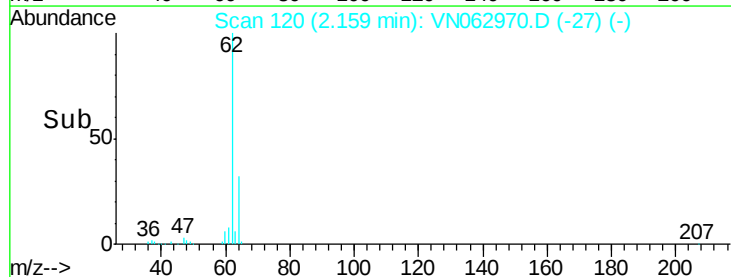
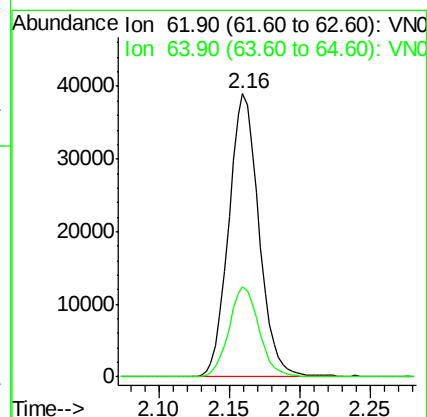
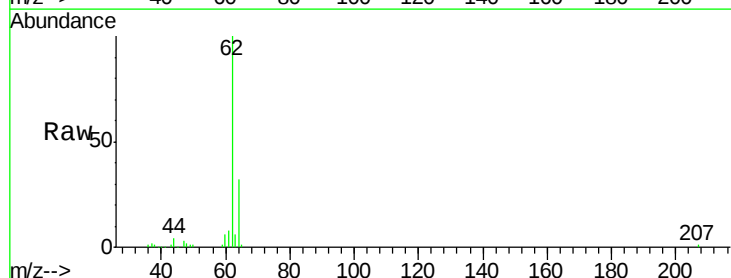
Acq: 17 Aug 2020 14:14

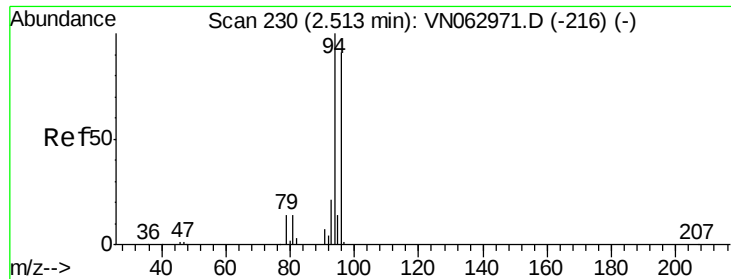
Tgt Ion: 62 Resp: 58376

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 22.838 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 43633

Ion Ratio Lower Upper

94 100

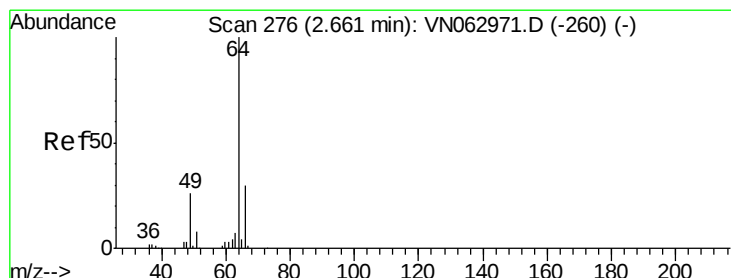
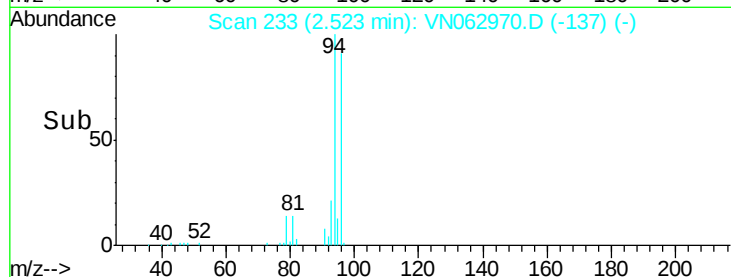
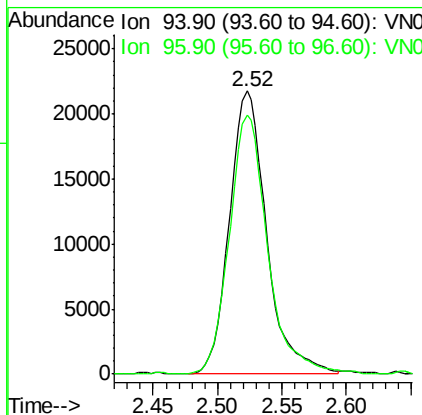
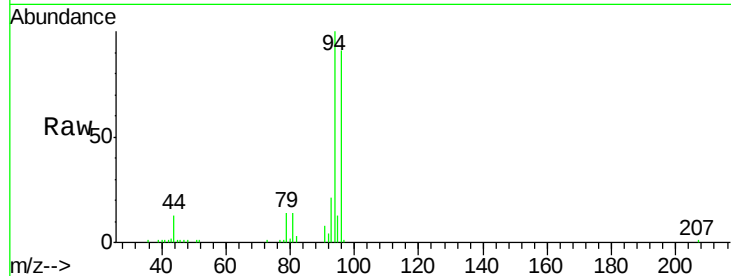
96 91.4 72.9 109.3

Manual Integrations

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8/18/2020 11:12:47 AM



#6

Chloroethane

Concen: 22.530 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062970.D

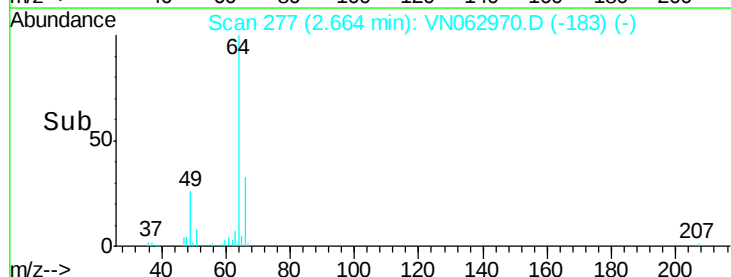
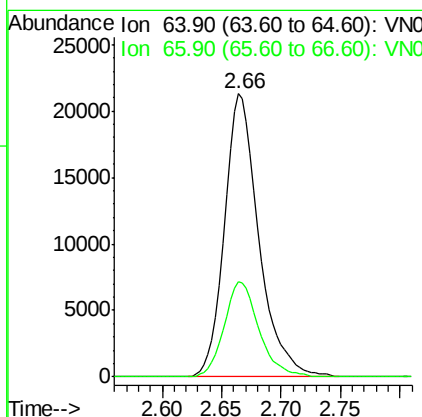
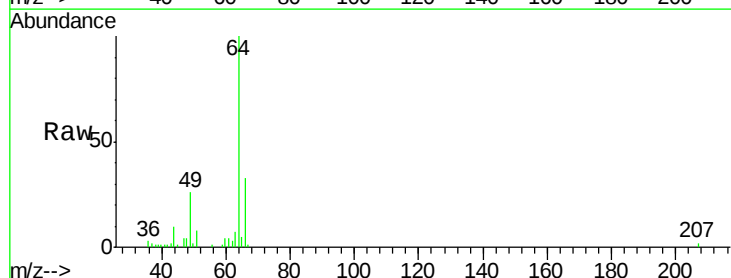
Acq: 17 Aug 2020 14:14

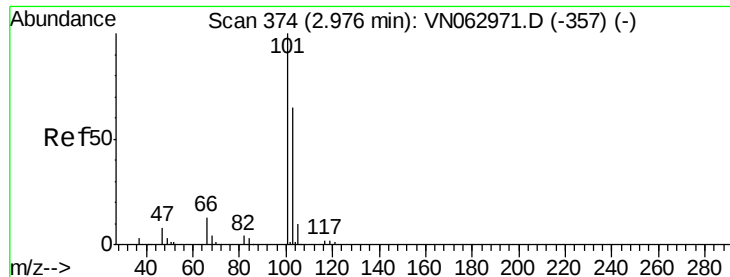
Tgt Ion: 64 Resp: 42562

Ion Ratio Lower Upper

64 100

66 33.4 23.8 35.8





#7

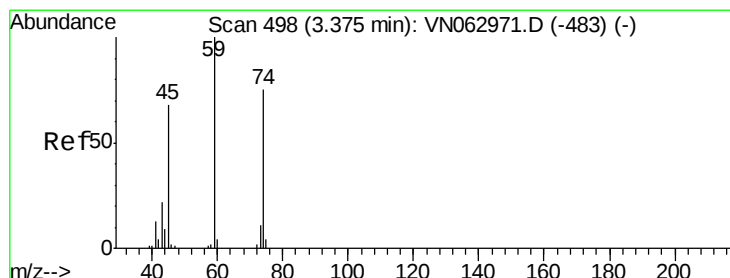
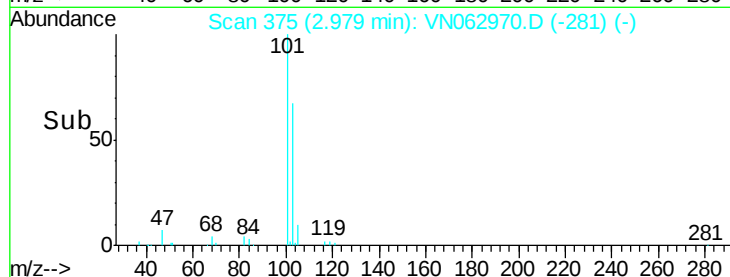
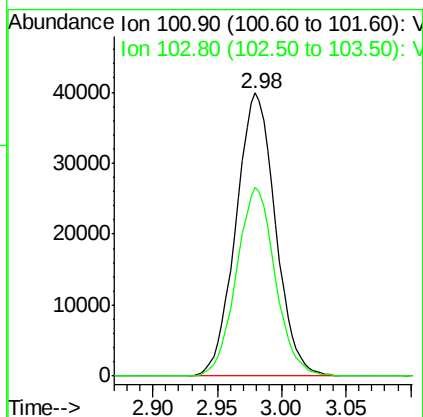
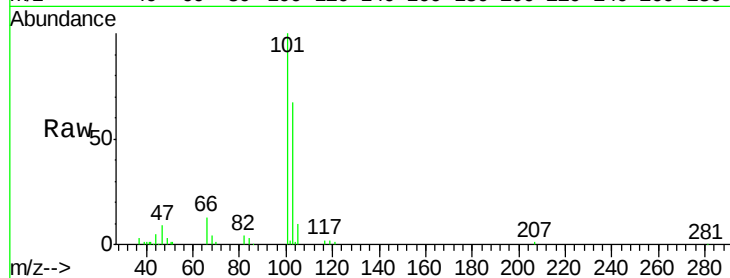
Trichlorofluoromethane  
 Concen: 17.341 ug/l  
 RT: 2.98 min Scan# 375  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 101     | 100  |       | 85071 |       |       |
| 103     | 66.6 | 52.2  | 78.4  |       |       |

Manual Integrations  
 APPROVED

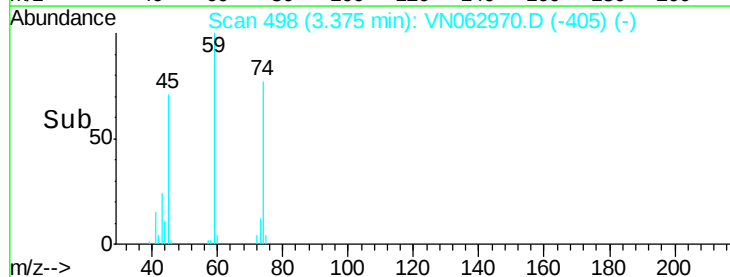
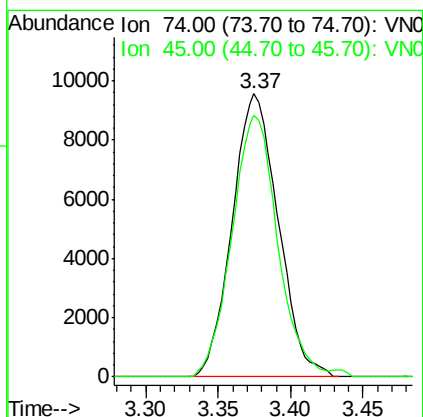
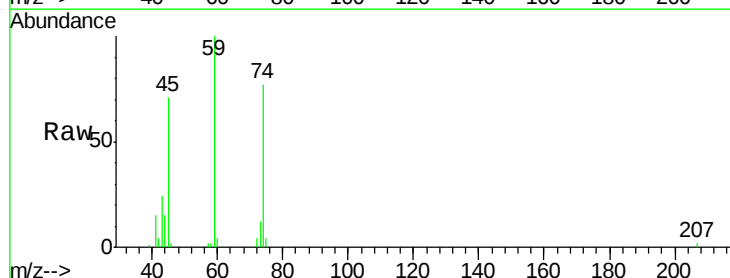
MMDadoda  
 8/18/2020 11:12:47 AM

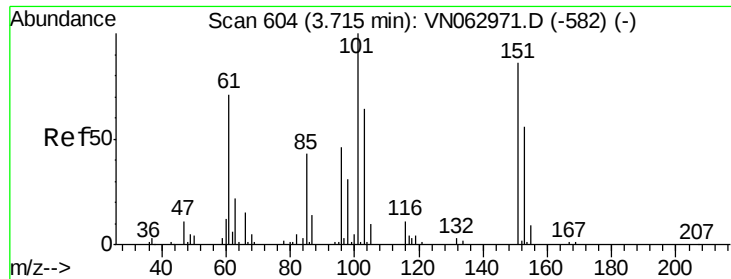


#8

Diethyl Ether  
 Concen: 15.113 ug/l  
 RT: 3.37 min Scan# 498  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 74      | 100  |       | 21063 |       |       |
| 45      | 91.6 | 45.7  | 137.1 |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.734 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

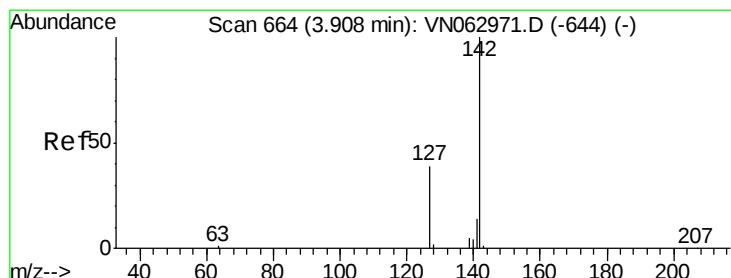
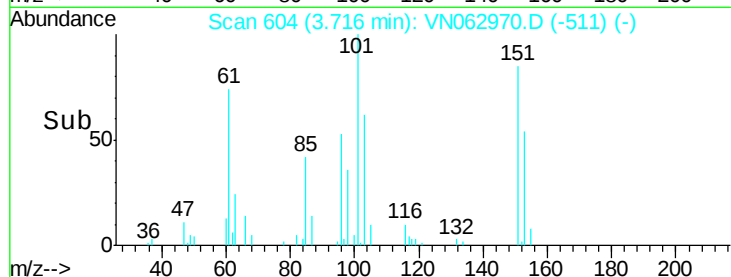
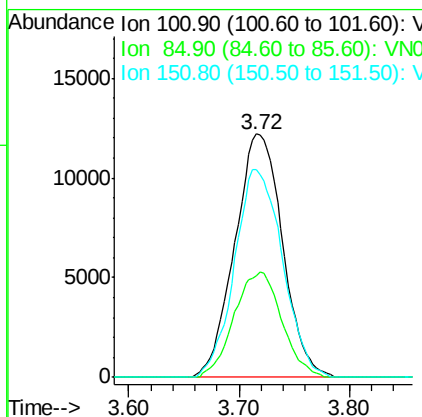
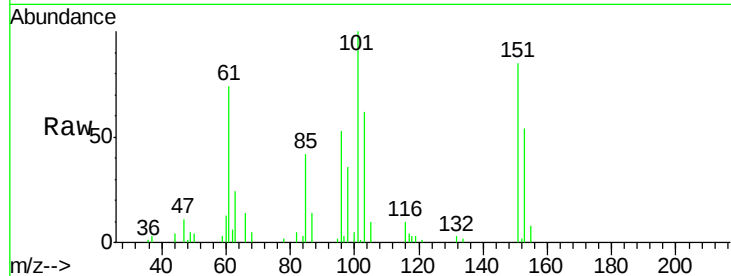
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 36648 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.0  | 34.1  | 51.1  |
| 151       | 85.8  | 69.3  | 103.9 |

Manual Integrations  
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MMDadoda  
8/18/2020 11:12:47 AM



#10

Methyl Iodide

Concen: 19.898 ug/l

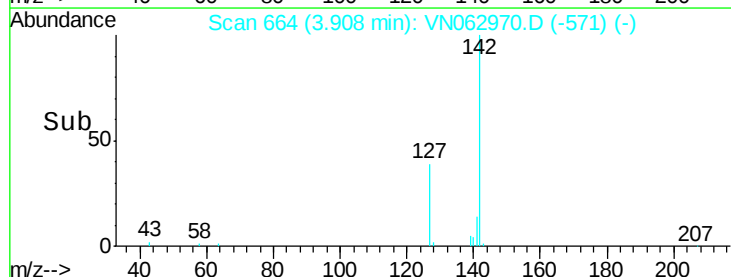
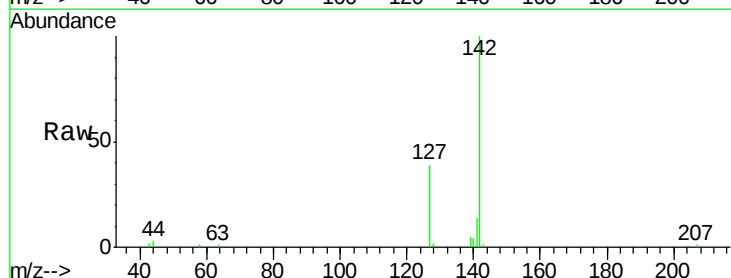
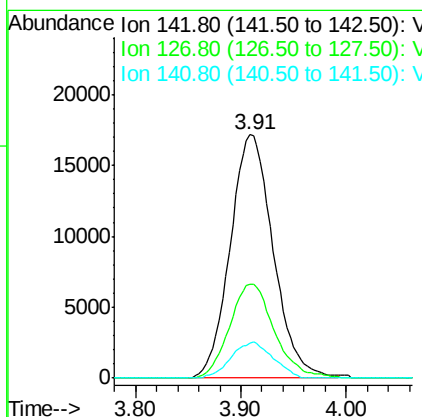
RT: 3.91 min Scan# 664

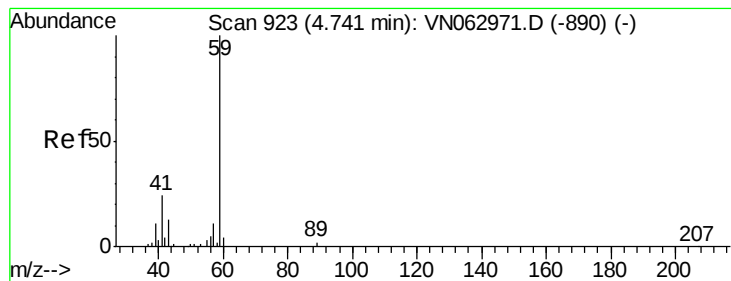
Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 48695 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 40.2  | 31.9  | 47.9  |
| 141       | 14.2  | 11.4  | 17.2  |





#11

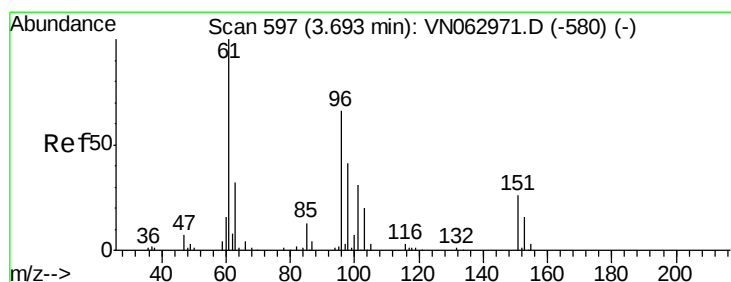
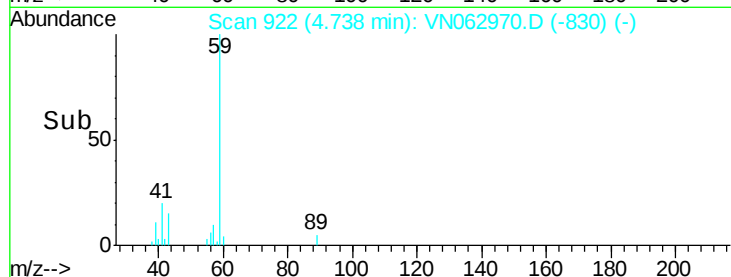
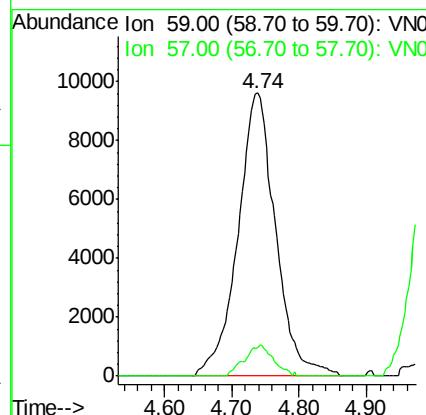
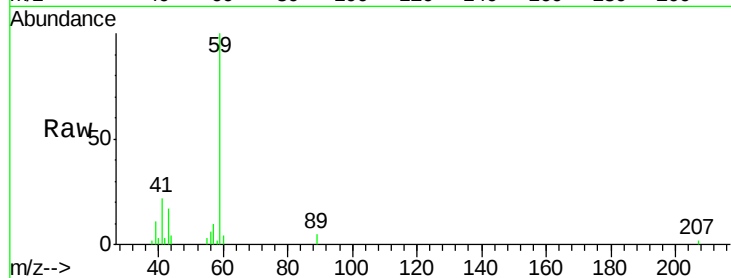
Tert butyl alcohol  
 Concen: 67.917 ug/l  
 RT: 4.74 min Scan# 922  
 Delta R.T. -0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 8.5   | 7.6   | 11.4  |

Manual Integrations  
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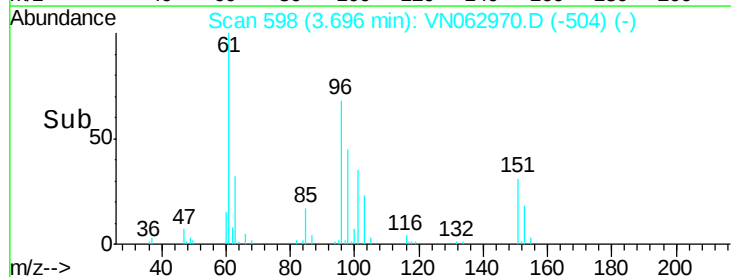
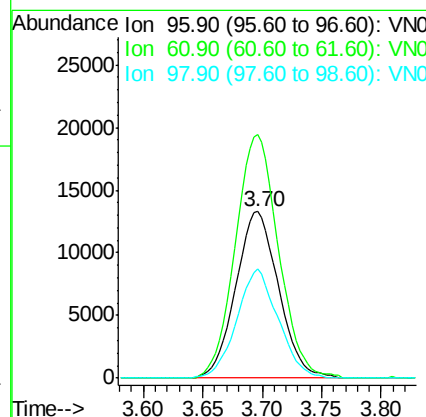
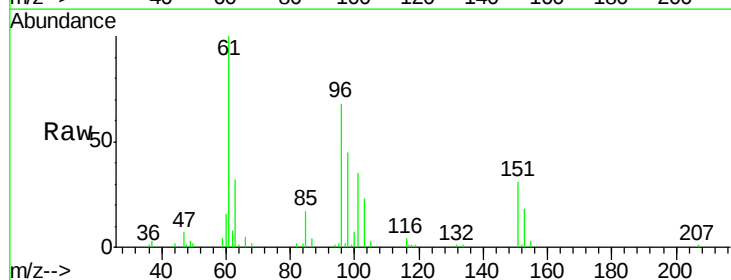
MMDadoda  
 8/18/2020 11:12:47 AM

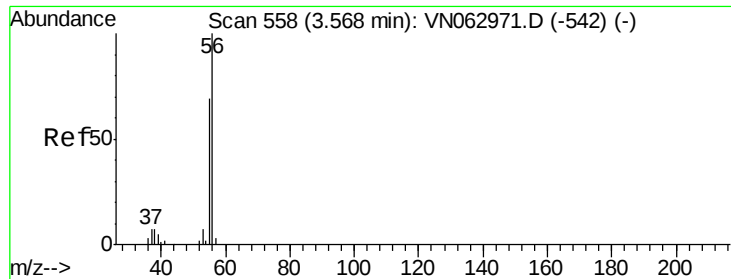


#12

1,1-Dichloroethene  
 Concen: 15.966 ug/l  
 RT: 3.70 min Scan# 598  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 146.2 | 120.4 | 180.6 |
| 98      | 65.5  | 49.8  | 74.6  |





#13

Acrolein

Concen: 58.564 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 20034

Ion Ratio Lower Upper

56 100

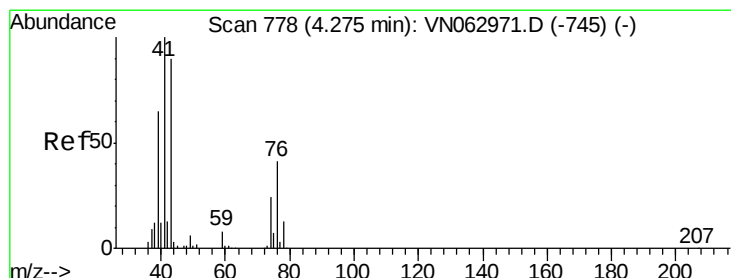
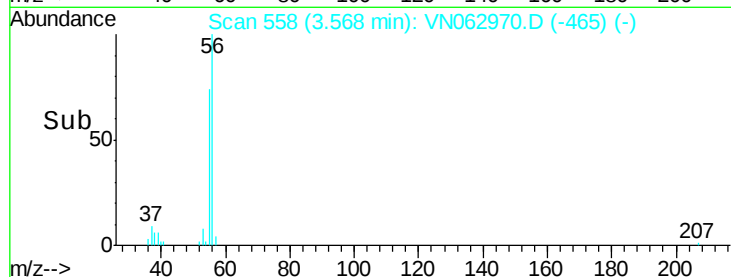
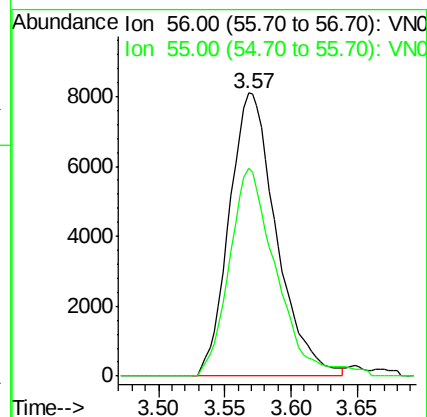
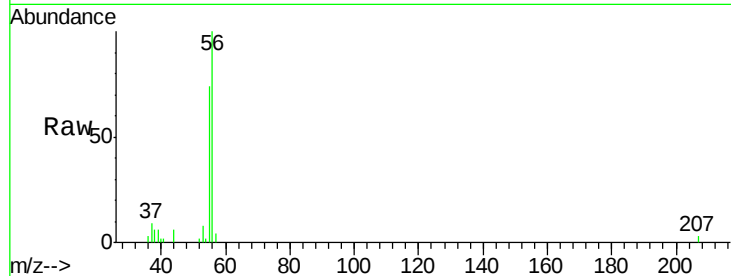
55 73.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 13.519 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

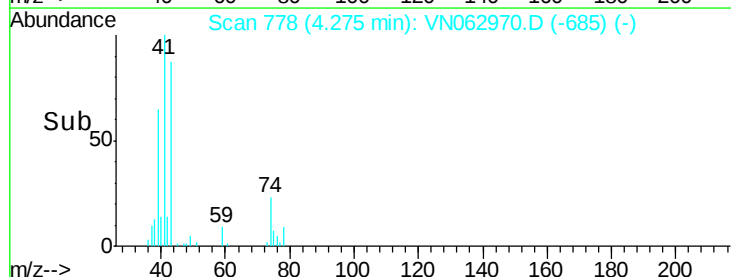
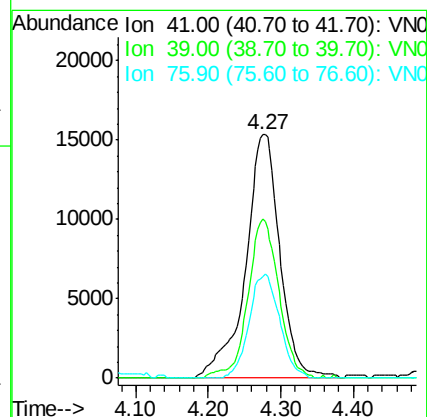
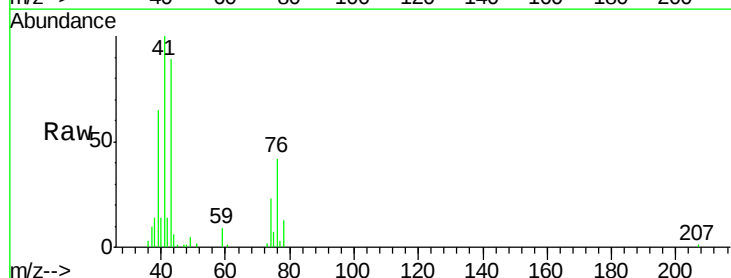
Tgt Ion: 41 Resp: 50597

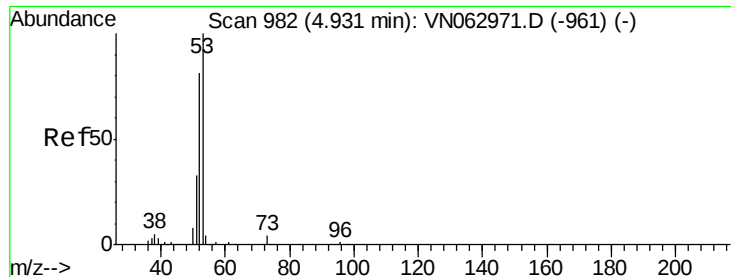
Ion Ratio Lower Upper

41 100

39 58.7 46.7 70.1

76 37.9 30.2 45.4





#15

Acrylonitrile

Concen: 75.624 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

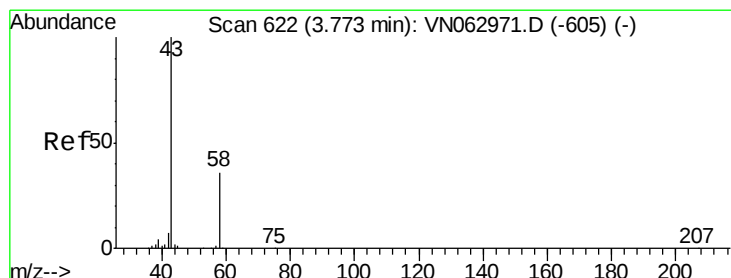
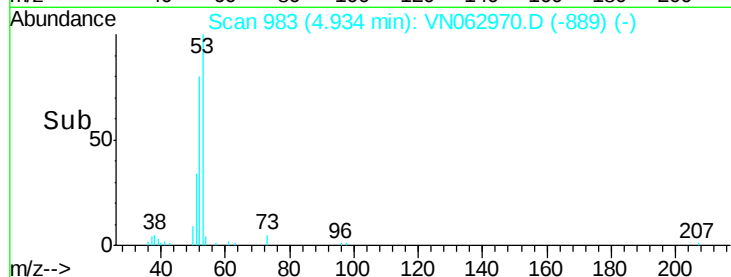
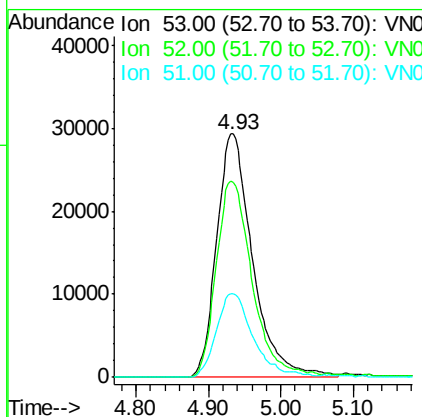
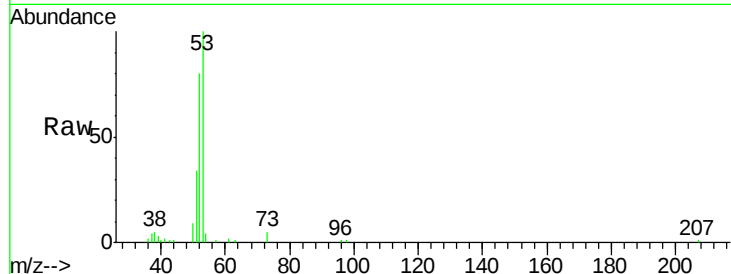
ClientSampleId :

VSTDIC020

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 101116 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 80.5  | 65.0  | 97.6   |
| 51        | 34.3  | 27.4  | 41.2   |

Manual Integrations  
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#16

Acetone

Concen: 61.611 ug/l

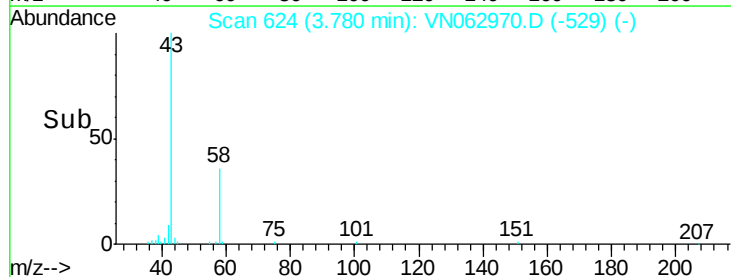
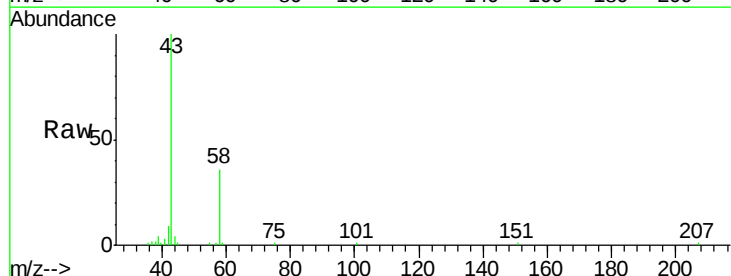
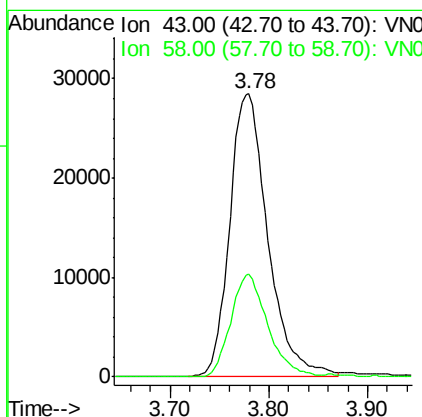
RT: 3.78 min Scan# 624

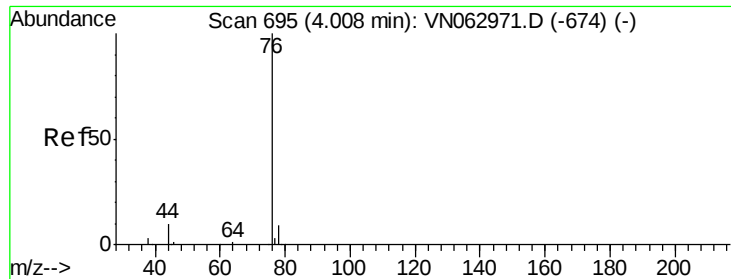
Delta R.T. 0.01 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 76721 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 36.2  | 28.7  | 43.1  |





#17

Carbon Disulfide

Concen: 14.743 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 90222

Ion Ratio Lower Upper

76 100

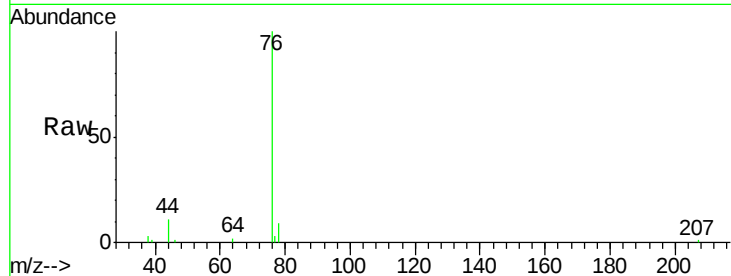
78 9.3 7.4 11.0

Manual Integrations

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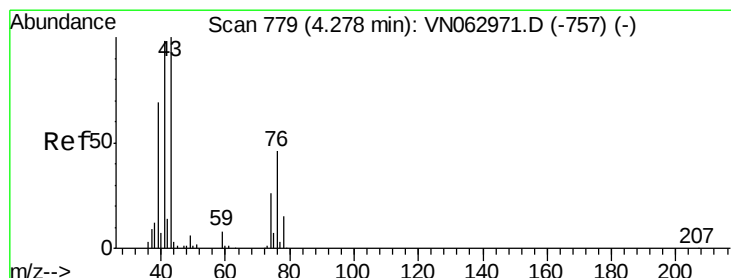
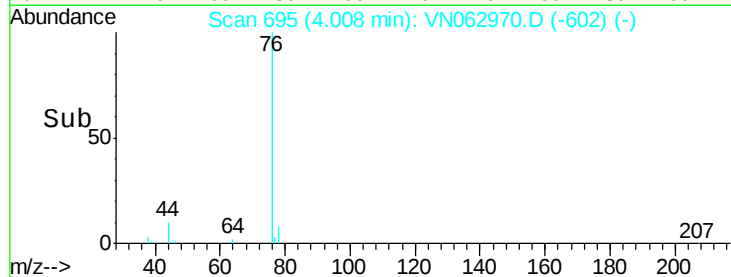
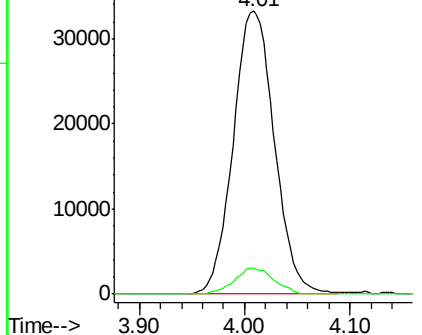
MMDadoda

8/18/2020 11:12:47 AM



Abundance Ion 75.90 (75.60 to 76.60): VN062970.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062970.D (-674) (-)



#18

Methyl Acetate

Concen: 12.902 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062970.D

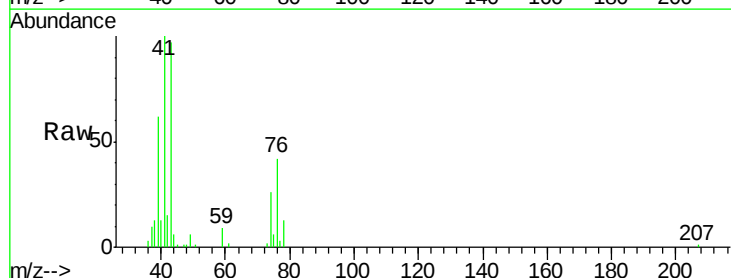
Acq: 17 Aug 2020 14:14

Tgt Ion: 43 Resp: 43272

Ion Ratio Lower Upper

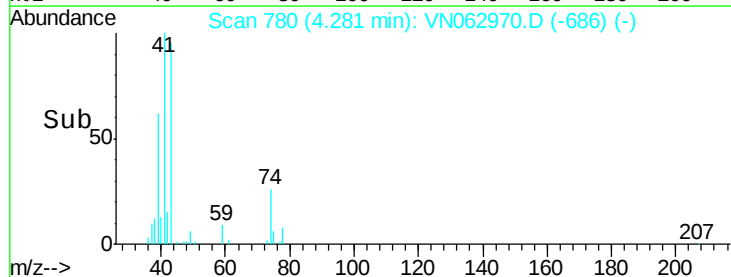
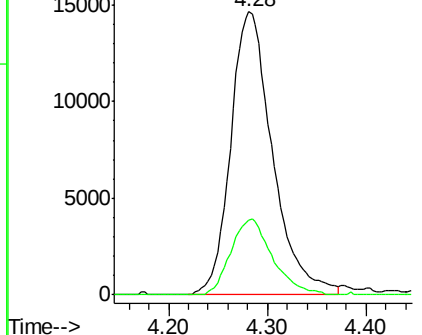
43 100

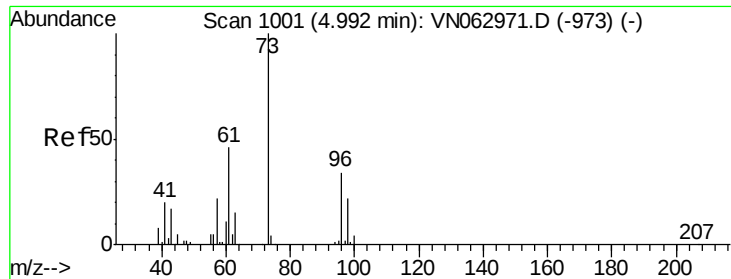
74 26.6 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VN062970.D (-686) (-)

Ion 74.00 (73.70 to 74.70): VN062970.D (-686) (-)





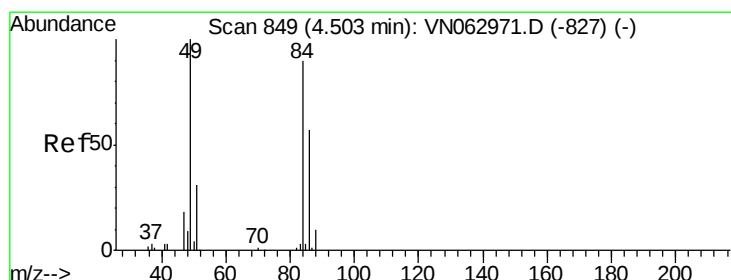
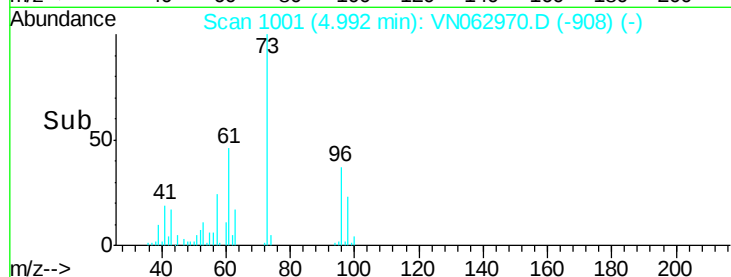
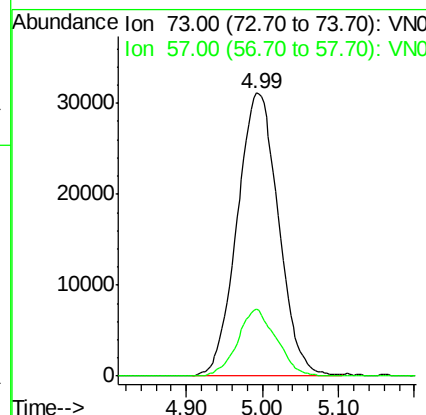
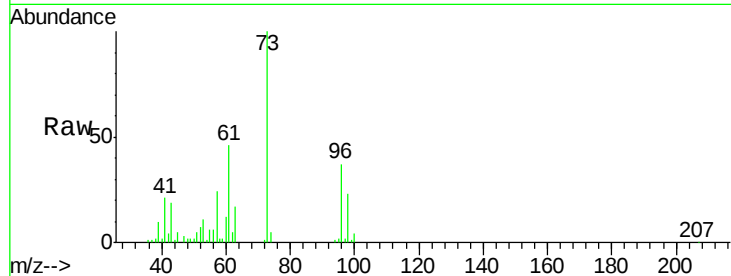
#19  
Methvl tert-butvl Ether  
Concen: 14.393 ug/l  
RT: 4.99 min Scan# 1001  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion: 73 Resp: 117732  
Ion Ratio Lower Upper  
73 100  
57 23.6 17.6 26.4

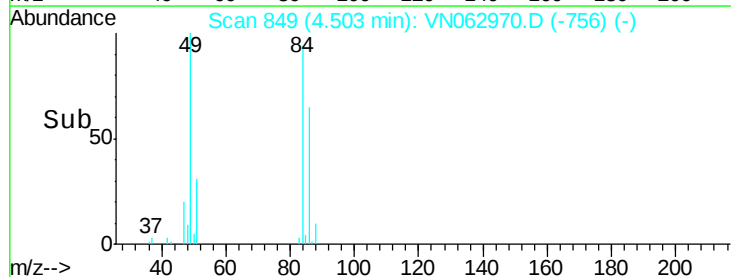
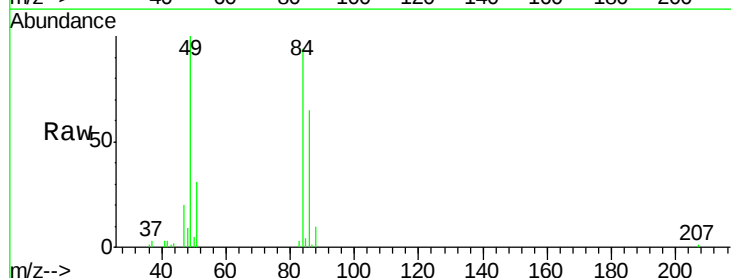
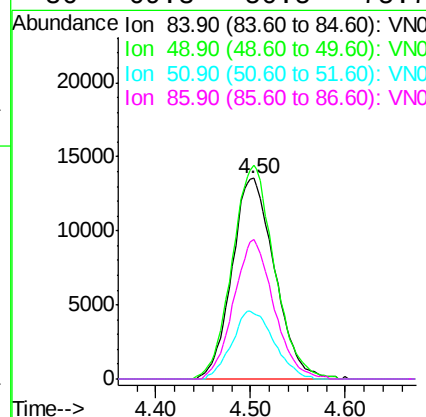
Manual Integrations  
APPROVED

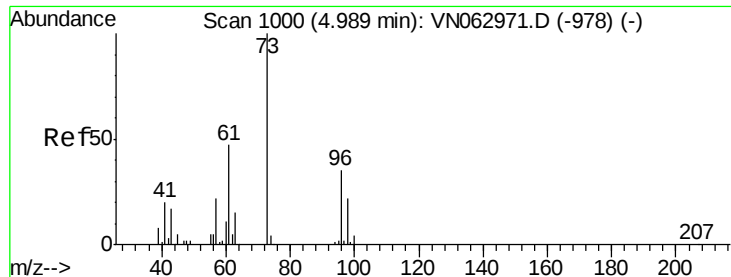
MMDadoda  
8/18/2020 11:12:47 AM



#20  
Methylene Chloride  
Concen: 15.987 ug/l  
RT: 4.50 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Tgt Ion: 84 Resp: 42424  
Ion Ratio Lower Upper  
84 100  
49 106.5 88.8 133.2  
51 32.9 27.1 40.7  
86 69.3 50.5 75.7





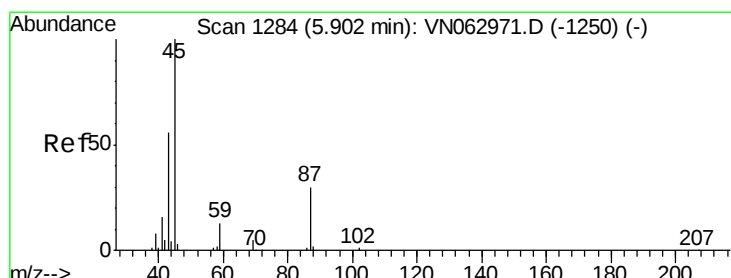
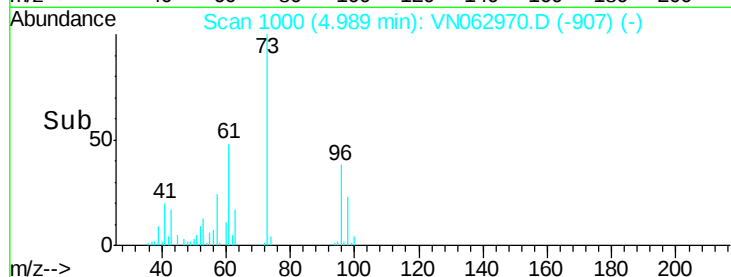
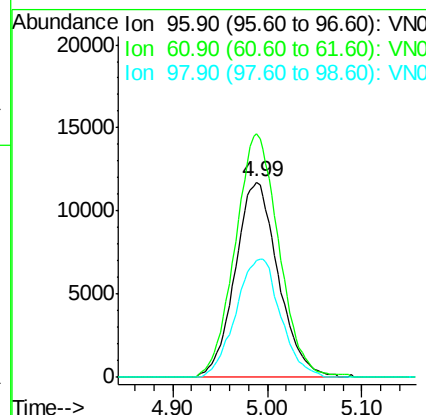
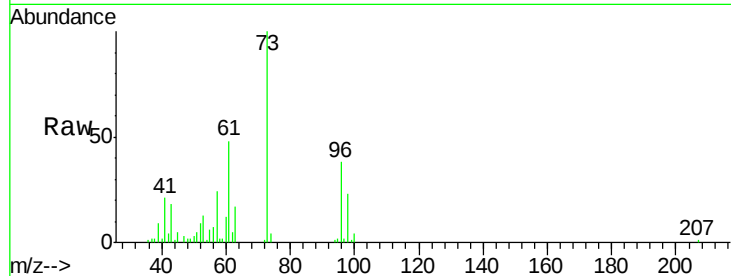
#21  
trans-1,2-Dichloroethene  
Concen: 17.031 ug/l  
RT: 4.99 min Scan# 1000  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 124.5 | 107.7 | 161.5 |
| 98      | 59.5  | 51.0  | 76.4  |

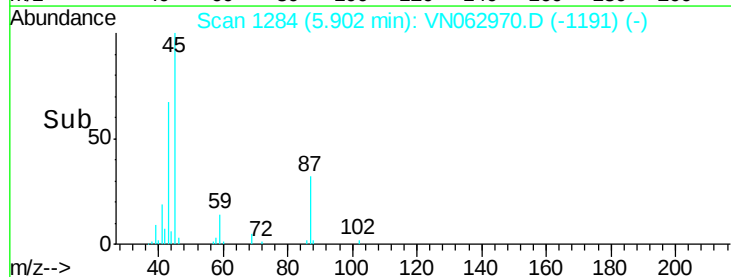
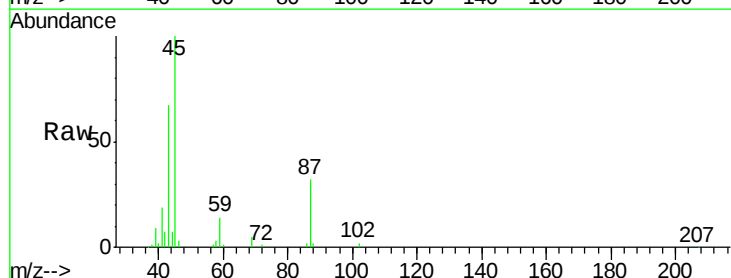
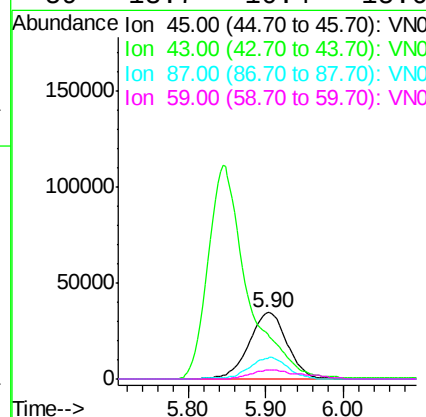
Manual Integrations  
APPROVED

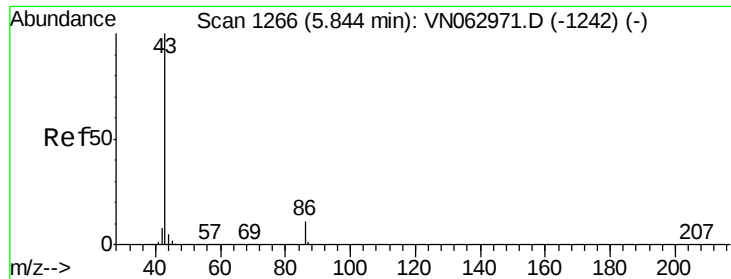
MMDadoda  
8/18/2020 11:12:47 AM



#22  
Diisopropyl ether  
Concen: 15.091 ug/l  
RT: 5.90 min Scan# 1284  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 64.2  | 47.1  | 70.7  |
| 87      | 31.8  | 24.3  | 36.5  |
| 59      | 13.7  | 10.4  | 15.6  |





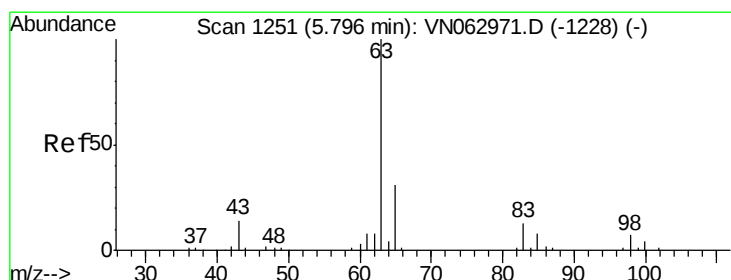
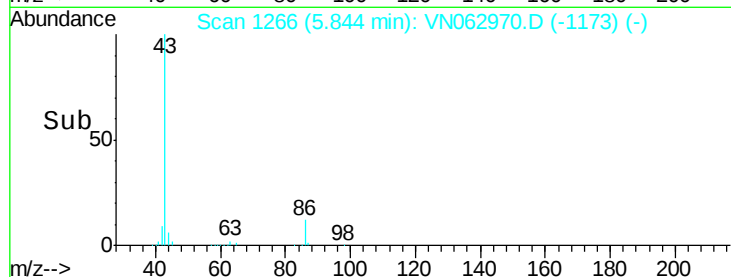
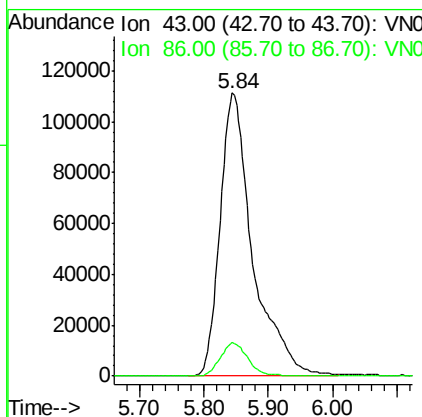
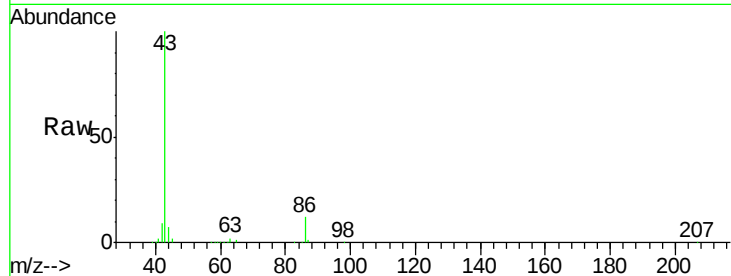
#23  
 Vinyl Acetate  
 Concen: 65.553 ug/l  
 RT: 5.84 min Scan# 1266  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 43      | 43  | 100   |      |       |       |
| 86      | 86  | 11.8  |      | 9.1   | 13.7  |

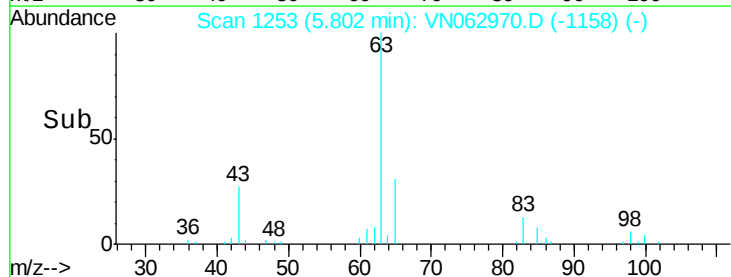
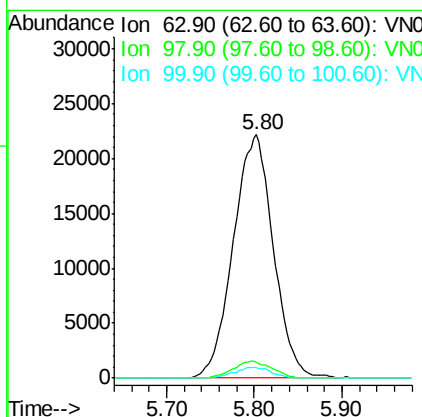
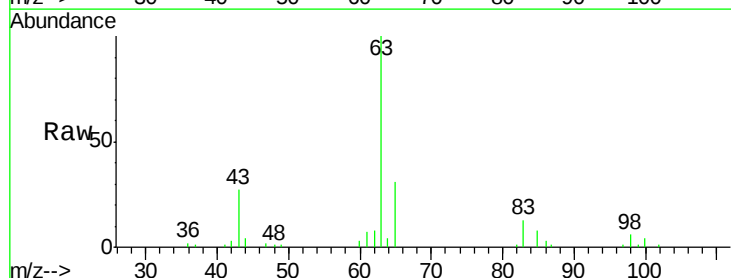
Manual Integrations  
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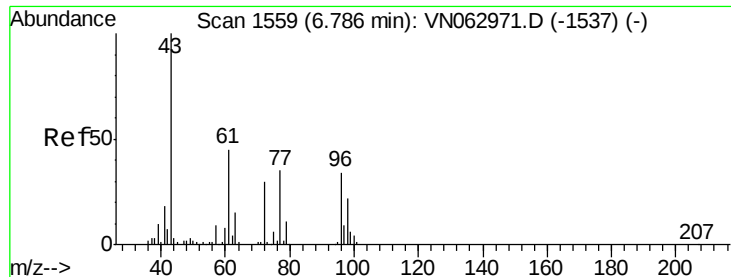
MMDadoda  
 8/18/2020 11:12:47 AM



#24  
 1,1-Dichloroethane  
 Concen: 15.091 ug/l  
 RT: 5.80 min Scan# 1253  
 Delta R.T. 0.01 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 63      | 63  | 100   |      |       |       |
| 98      | 98  | 6.4   |      | 3.3   | 9.9   |
| 100     | 100 | 4.3   |      | 2.0   | 6.0   |





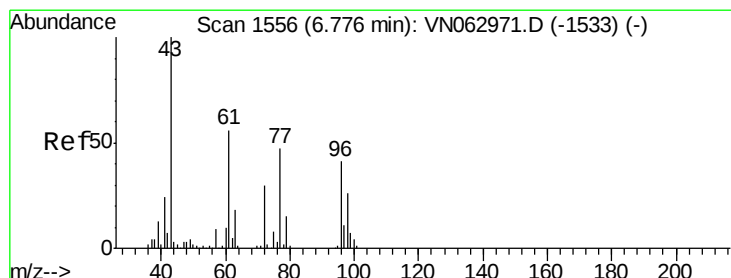
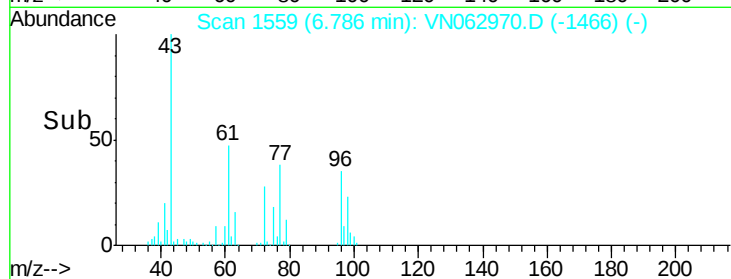
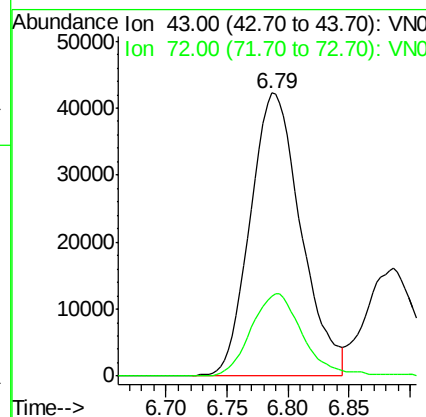
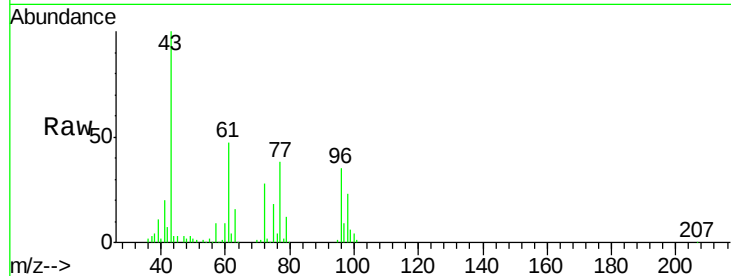
#25  
 2-Butanone  
 Concen: 69.467 ug/l  
 RT: 6.79 min Scan# 1559  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 28.3  | 23.9  | 35.9  |

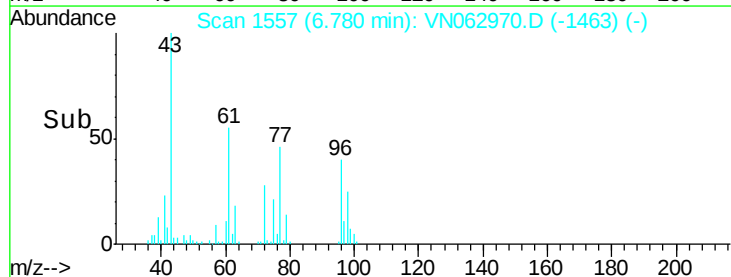
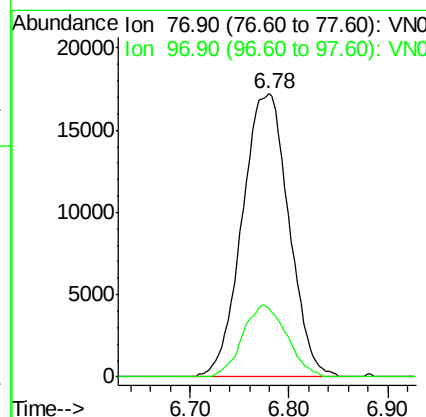
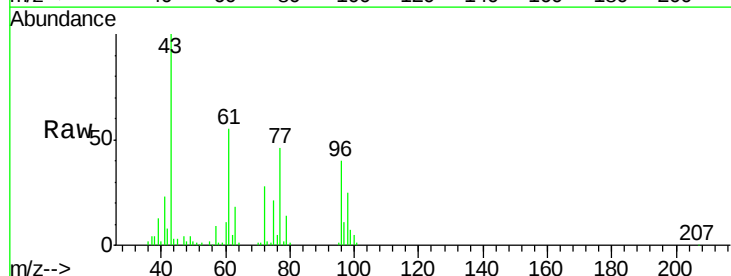
Manual Integrations  
 APPROVED

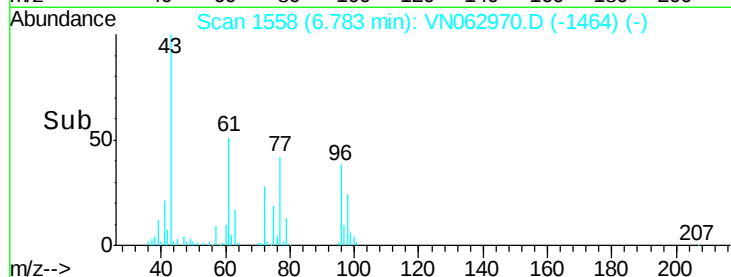
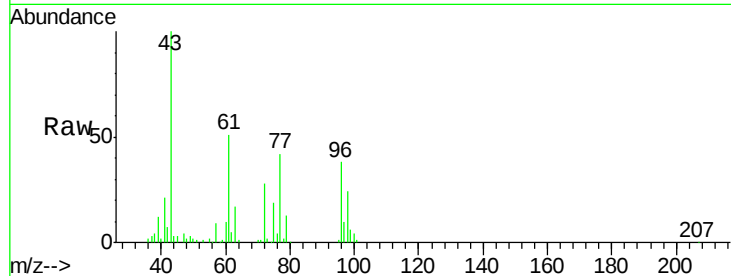
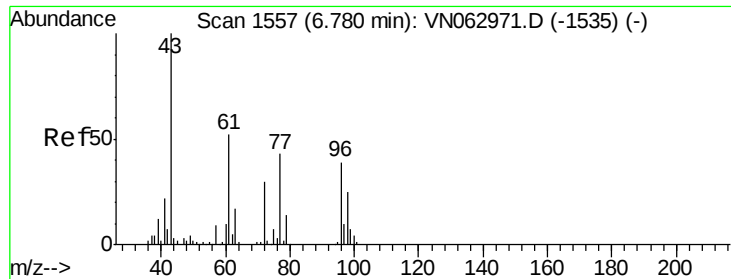
MMDadoda  
 8/18/2020 11:12:47 AM



#26  
 2,2-Dichloropropane  
 Concen: 13.403 ug/l  
 RT: 6.78 min Scan# 1557  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 23.9  | 12.0  | 36.1  |





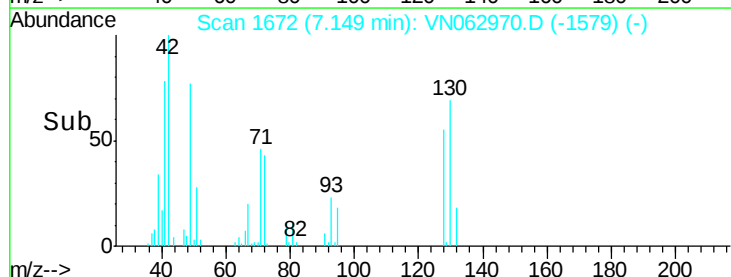
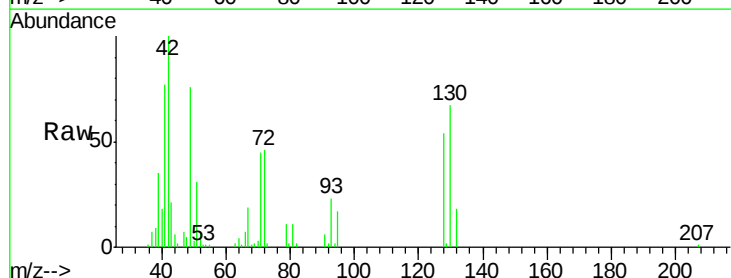
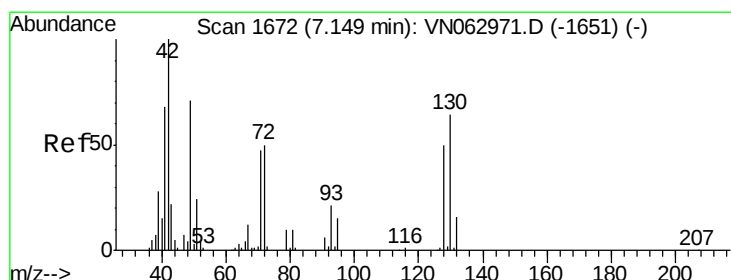
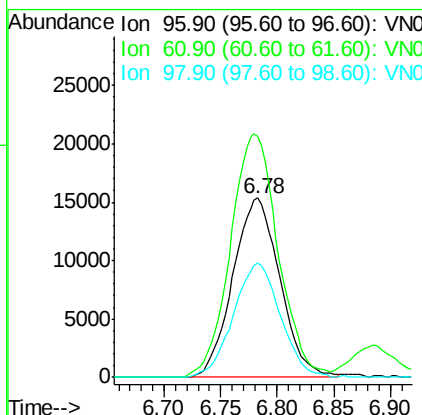
#27  
 cis-1,2-Dichloroethene  
 Concen: 17.008 ug/l  
 RT: 6.78 min Scan# 1558  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 137.7 | 0.0  | 270.4 |       |
| 98      | 63.6  | 0.0  | 128.2 |       |

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

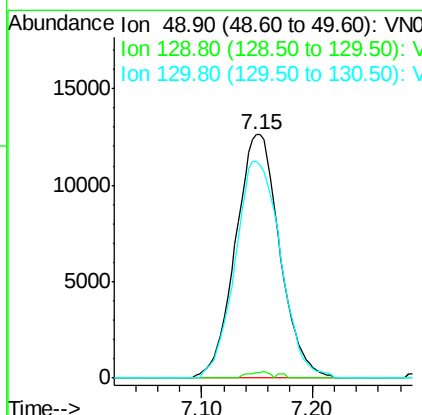
Manual Integrations  
 APPROVED

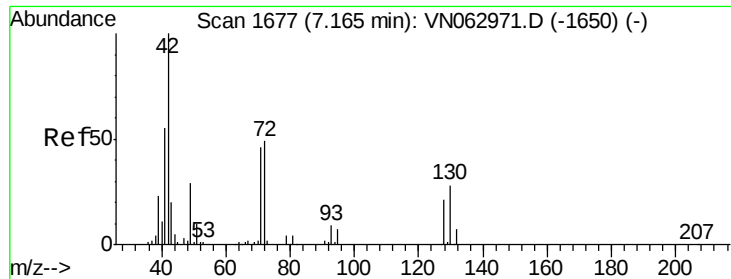
MMDadoda  
 8/18/2020 11:12:47 AM



#28  
 Bromochloromethane  
 Concen: 15.499 ug/l  
 RT: 7.15 min Scan# 1672  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.2   | 0.0  | 4.2   |       |
| 130     | 91.8  | 73.5 | 110.3 |       |





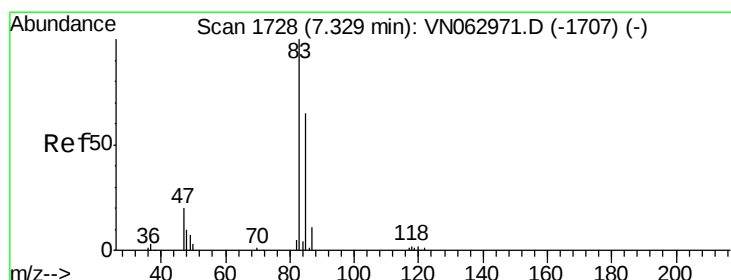
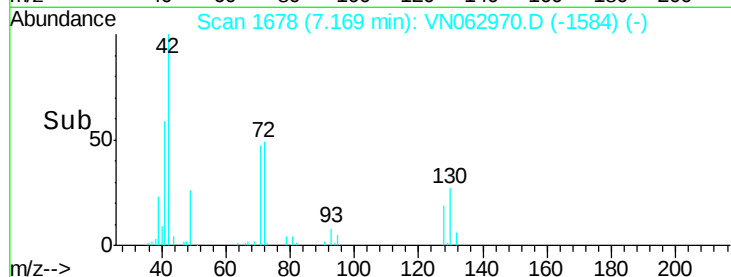
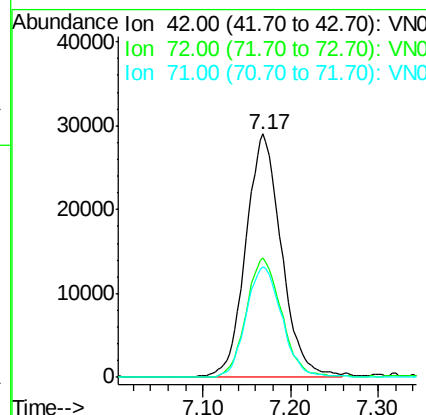
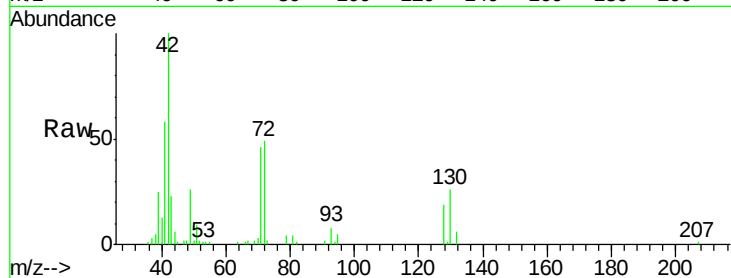
#29  
Tetrahydrofuran  
Concen: 72.050 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.1  | 39.4  | 59.2  |
| 71      | 45.5  | 37.2  | 55.8  |

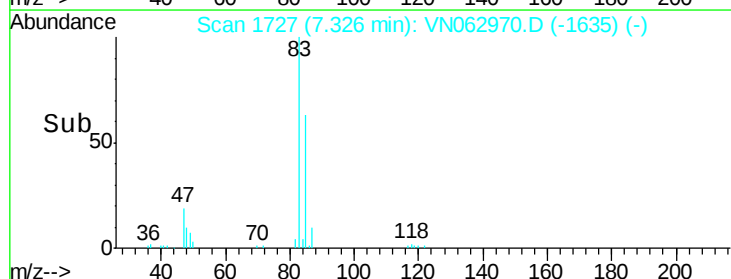
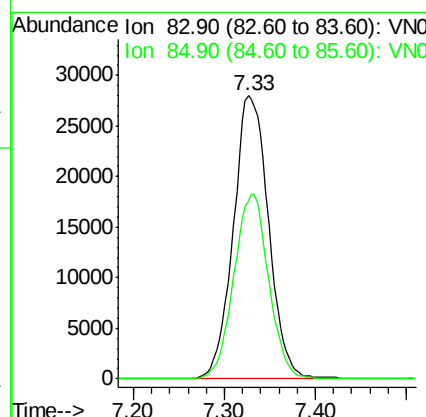
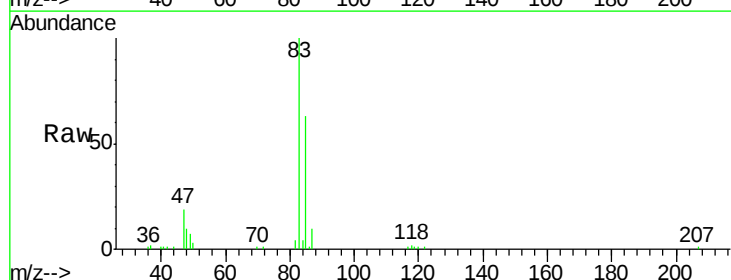
Manual Integrations  
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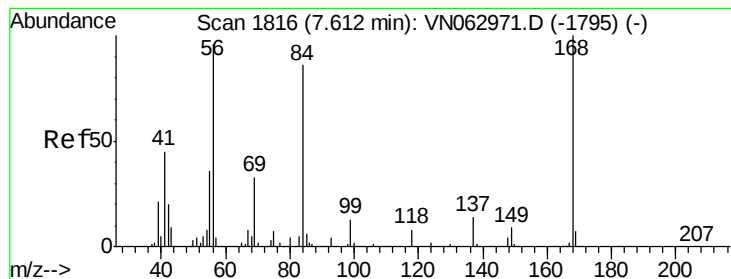
MMDadoda  
8/18/2020 11:12:47 AM



#30  
Chloroform  
Concen: 15.310 ug/l  
RT: 7.33 min Scan# 1727  
Delta R.T. -0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.1  | 52.2  | 78.4  |





#31

Cyclohexane

Concen: 15.817 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 67391

Ion Ratio Lower Upper

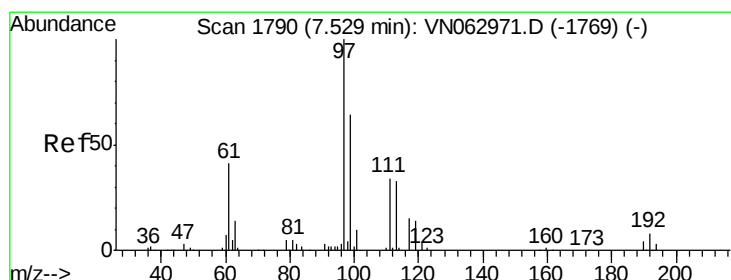
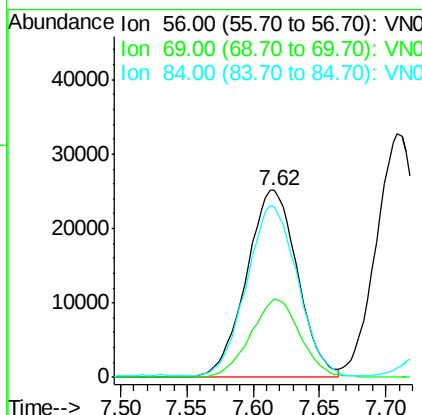
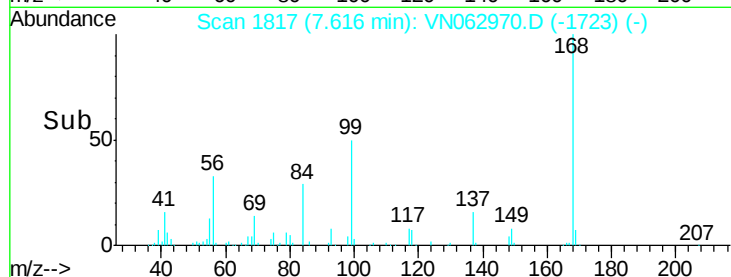
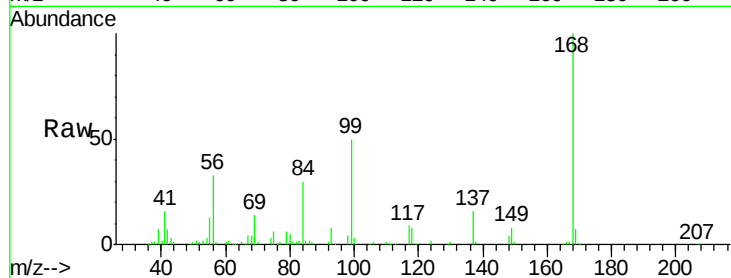
56 100

69 41.7 27.4 41.2#

84 90.2 71.3 106.9

Manual Integrations  
APPROVED

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8/18/2020 11:12:47 AM



#32

1,1,1-Trichloroethane

Concen: 14.057 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

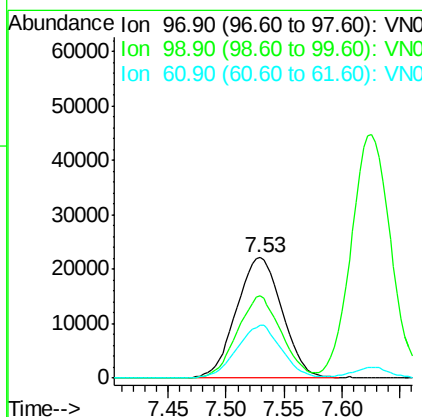
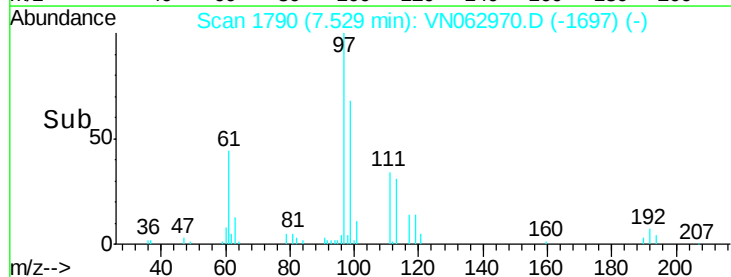
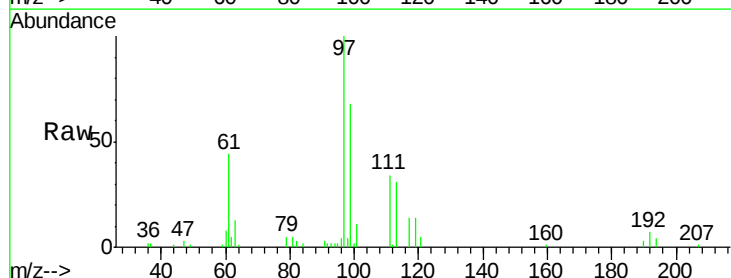
Tgt Ion: 97 Resp: 61058

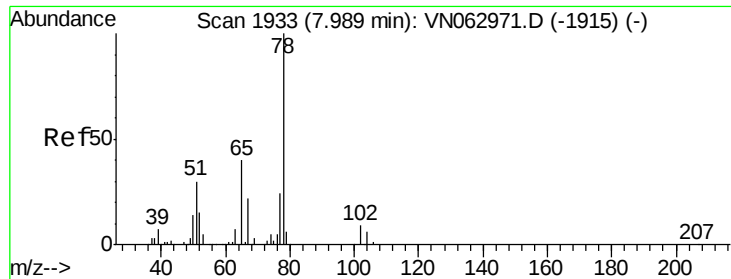
Ion Ratio Lower Upper

97 100

99 65.6 52.2 78.4

61 42.7 33.5 50.3





#33

1,2-Dichloroethane-d4

Concen: 12.718 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 43232

Ion Ratio Lower Upper

65 100

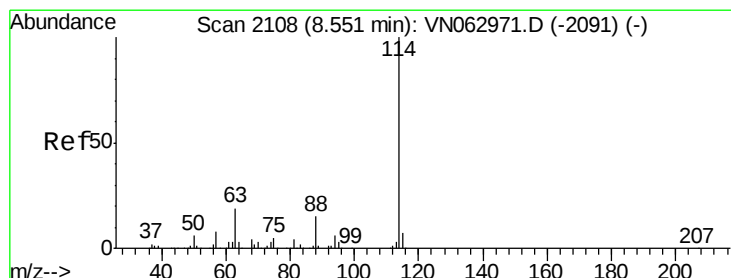
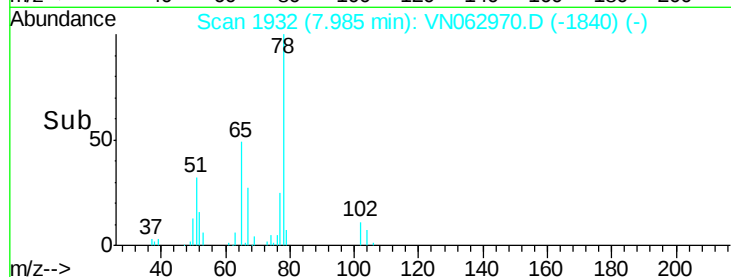
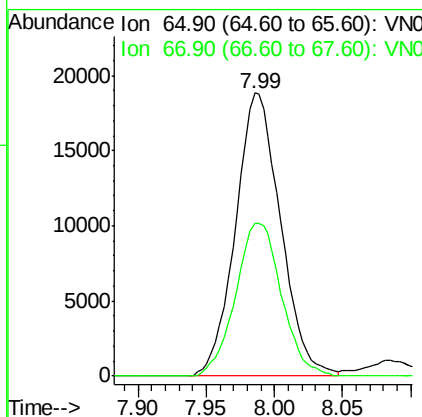
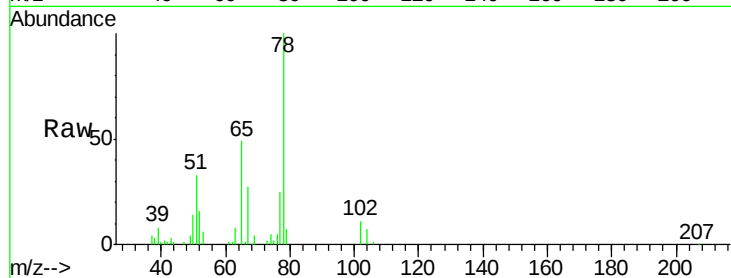
67 54.9 0.0 108.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

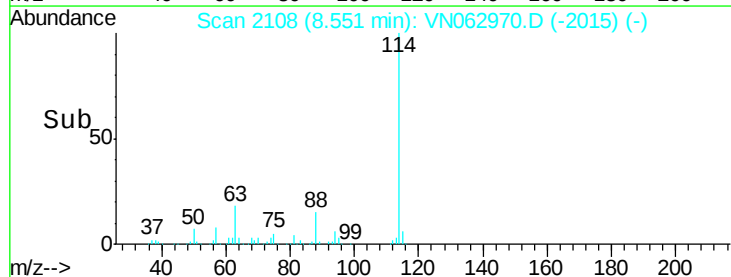
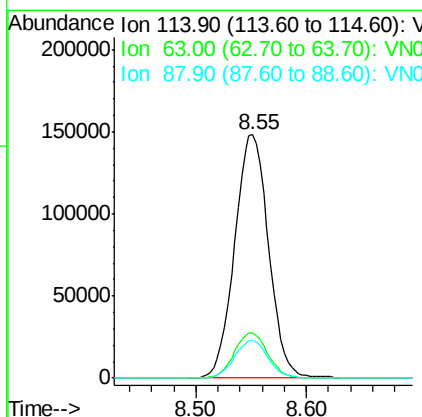
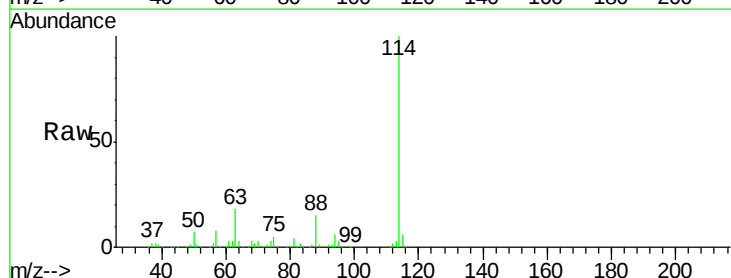
Tgt Ion: 114 Resp: 315386

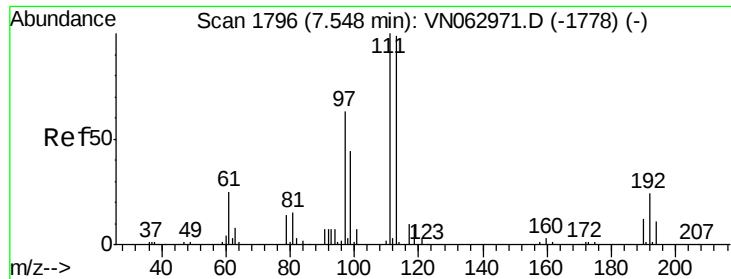
Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.6

88 15.5 0.0 31.0





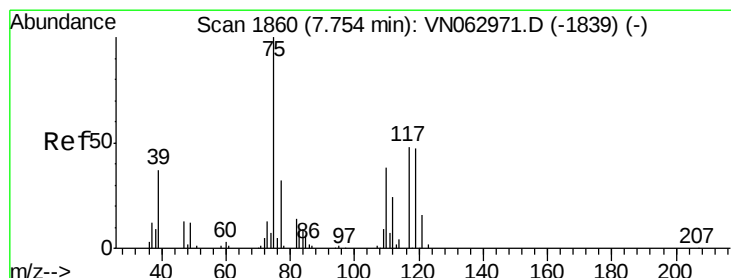
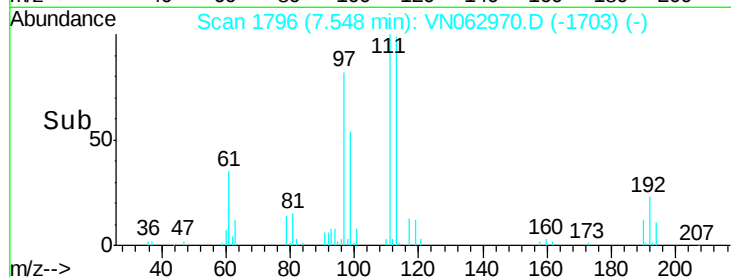
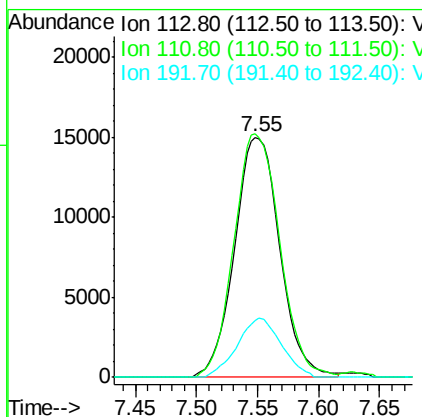
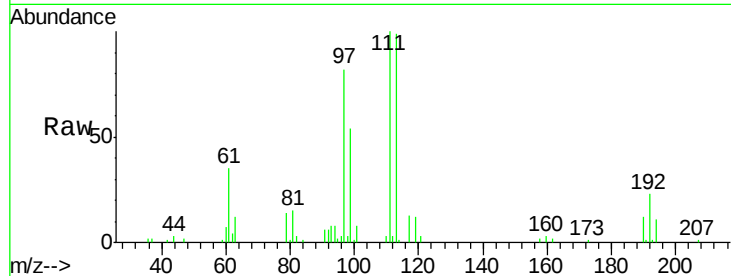
#35  
Dibromofluoromethane  
Concen: 18.000 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 81.4  | 122.0 |
| 192     | 24.1  | 19.2  | 28.8  |

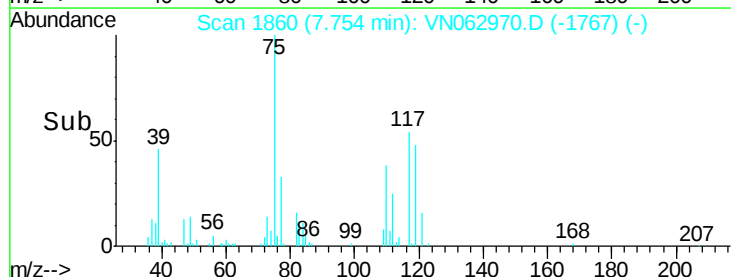
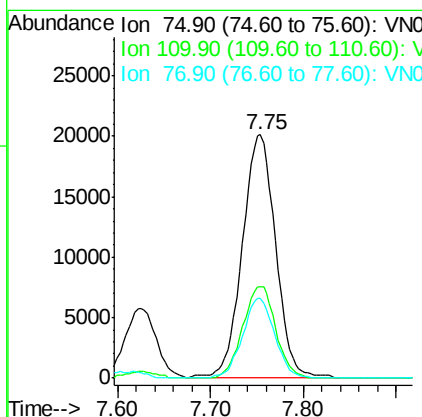
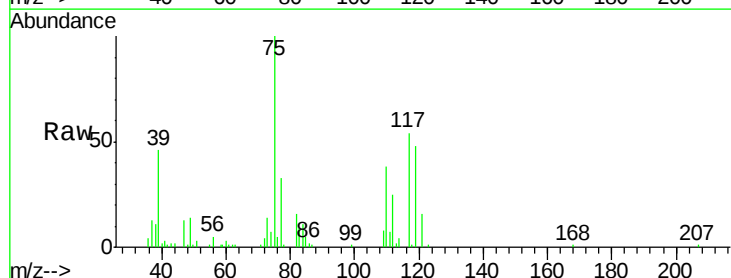
Manual Integrations  
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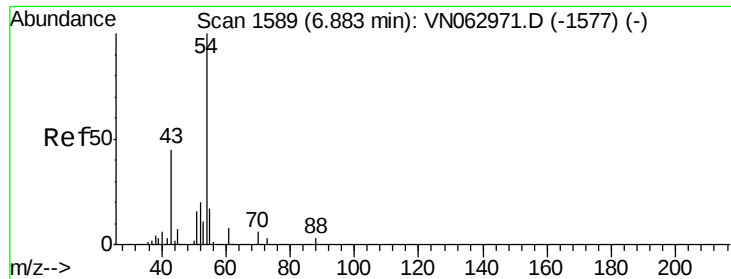
MMDadoda  
8/18/2020 11:12:47 AM



#36  
1,1-Dichloropropene  
Concen: 16.848 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.1  | 18.7  | 56.1  |
| 77      | 31.5  | 25.6  | 38.4  |





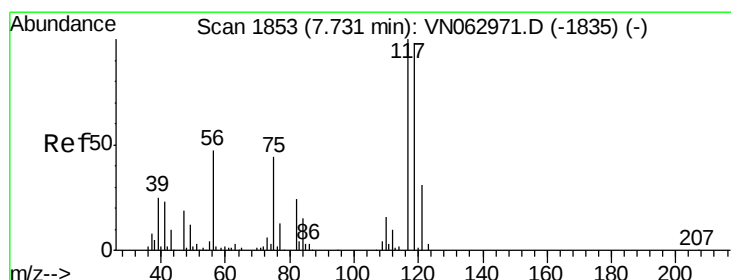
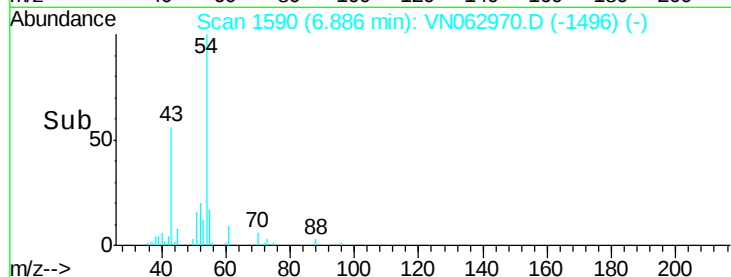
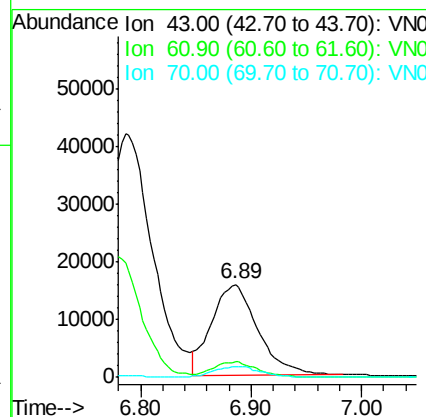
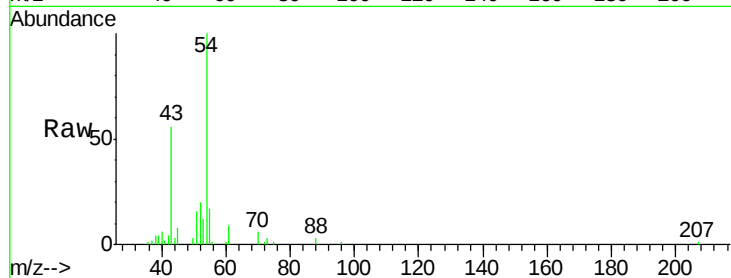
#37  
Ethyl Acetate  
Concen: 15.242 ug/l  
RT: 6.89 min Scan# 1590  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.3  | 12.4  | 18.6  |
| 70      | 11.7  | 9.9   | 14.9  |

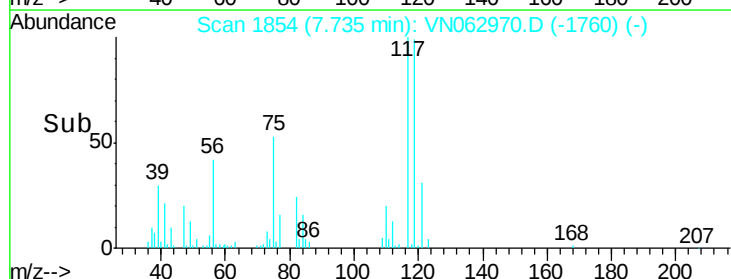
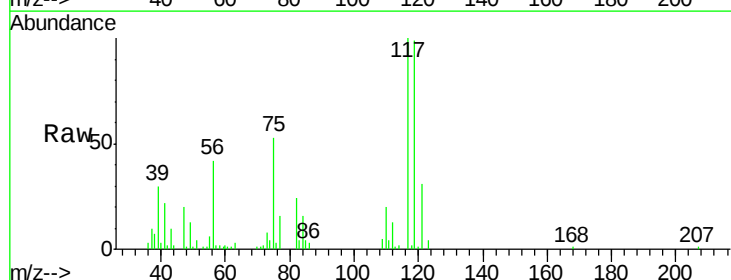
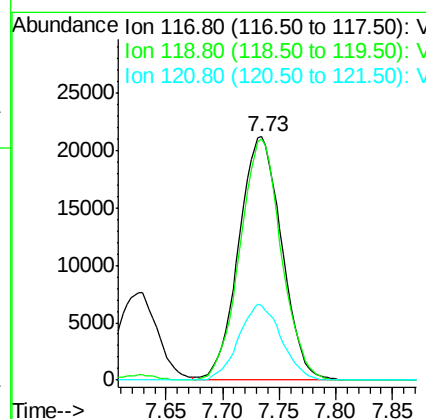
Manual Integrations  
APPROVED

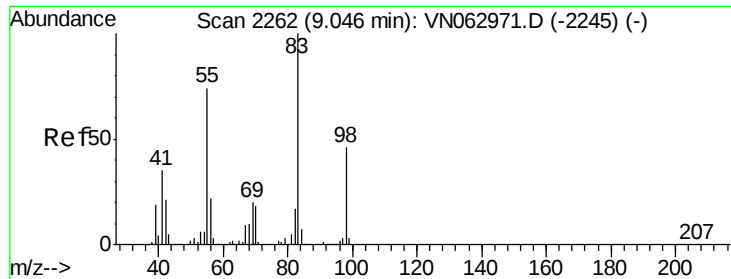
MMDadoda  
8/18/2020 11:12:47 AM



#38  
Carbon Tetrachloride  
Concen: 15.898 ug/l  
RT: 7.73 min Scan# 1854  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.1  | 77.9  | 116.9 |
| 121     | 30.5  | 24.8  | 37.2  |





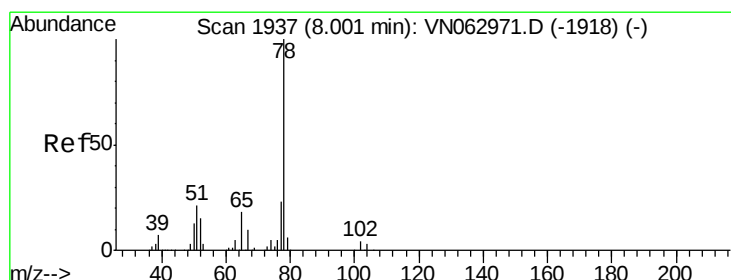
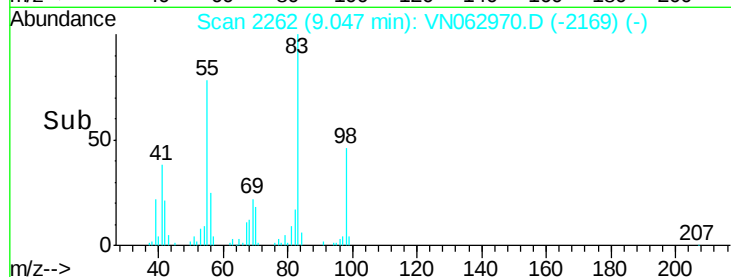
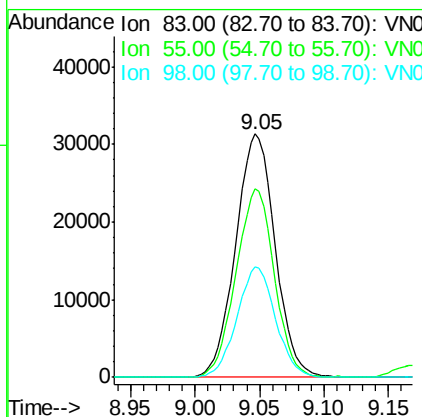
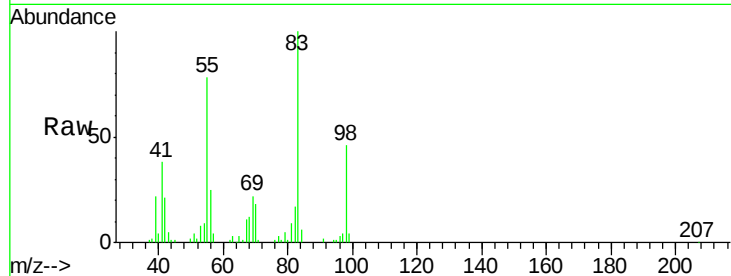
#39  
Methvlcvclohexane  
Concen: 18.186 ug/l  
RT: 9.05 min Scan# 2262  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.5  | 59.0  | 88.6  |
| 98      | 45.6  | 36.8  | 55.2  |

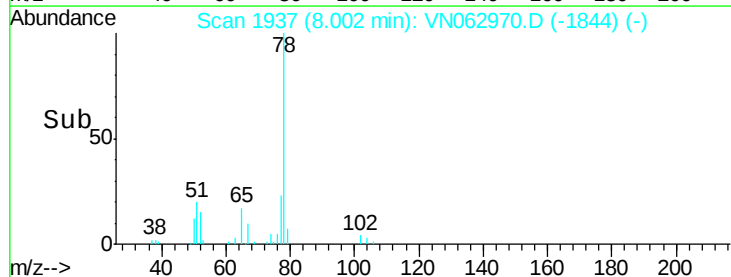
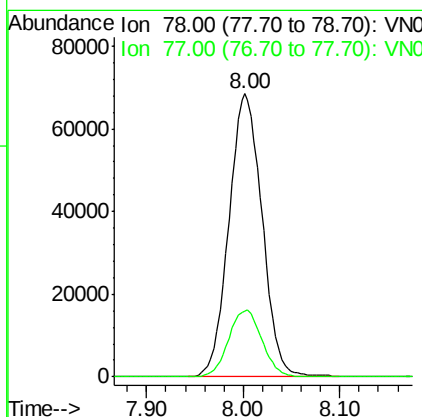
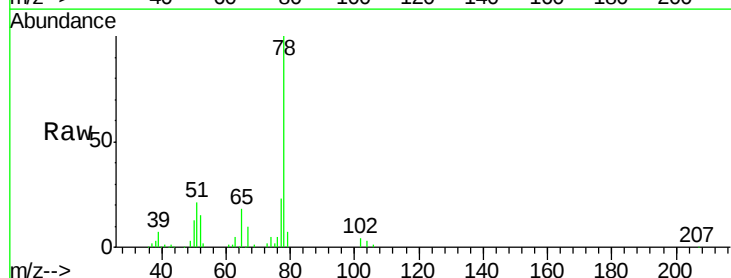
Manual Integrations  
APPROVED

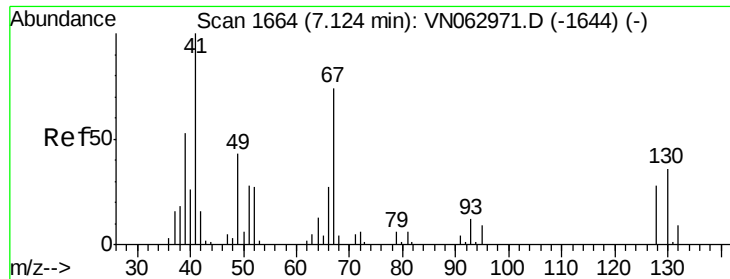
MMDadoda  
8/18/2020 11:12:47 AM



#40  
Benzene  
Concen: 17.964 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 18.6  | 27.8  |





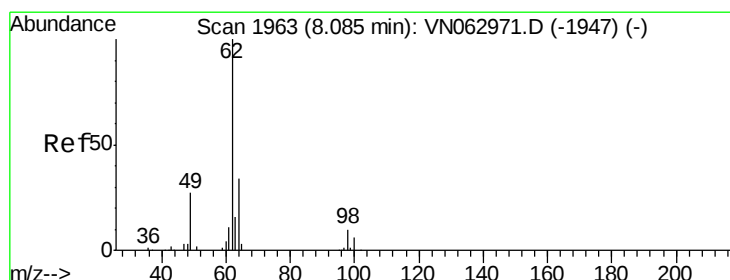
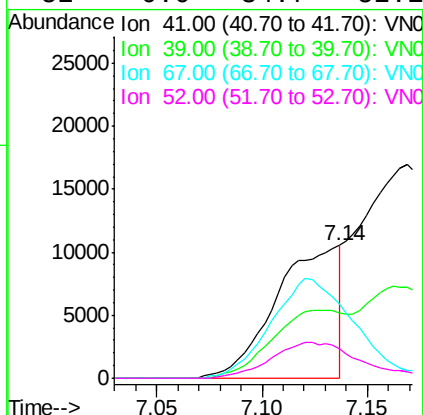
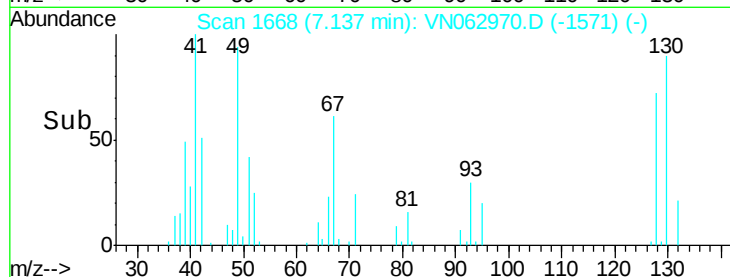
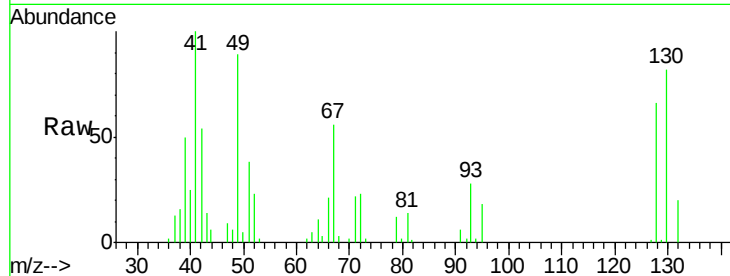
#41  
Methacrylonitrile  
Concen: 16.320 ug/l m  
RT: 7.14 min Scan# 1668  
Delta R.T. 0.01 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 0.0   | 58.6  | 88.0#  |
| 67      | 0.0   | 90.1  | 135.1# |
| 52      | 0.0   | 34.7  | 52.1#  |

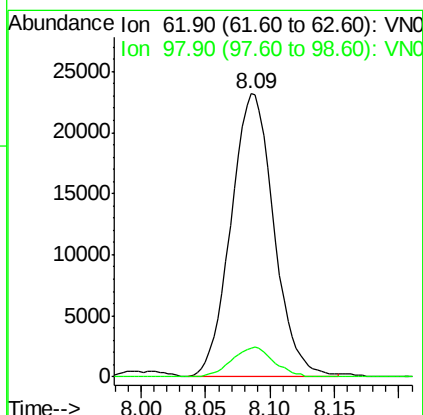
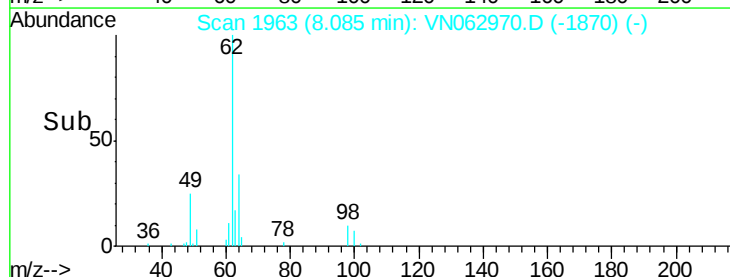
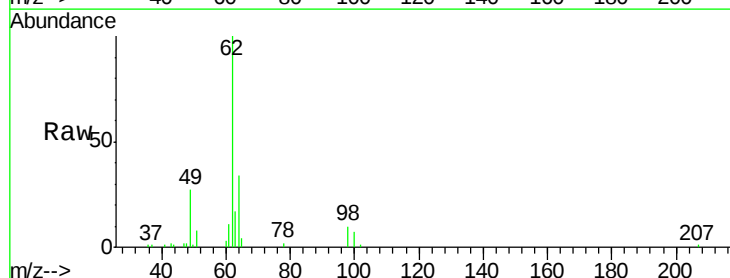
Manual Integrations  
APPROVED

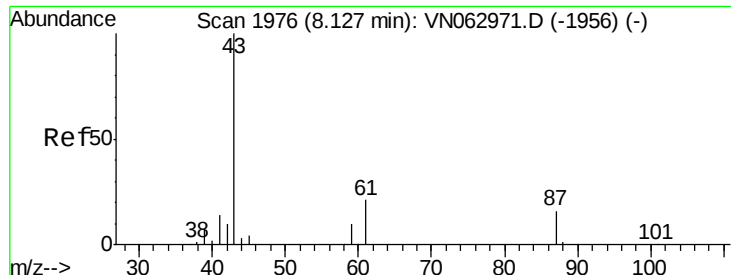
MMDadoda  
8/18/2020 11:12:47 AM



#42  
1,2-Dichloroethane  
Concen: 14.510 ug/l  
RT: 8.09 min Scan# 1963  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.2  | 0.0   | 20.8  |





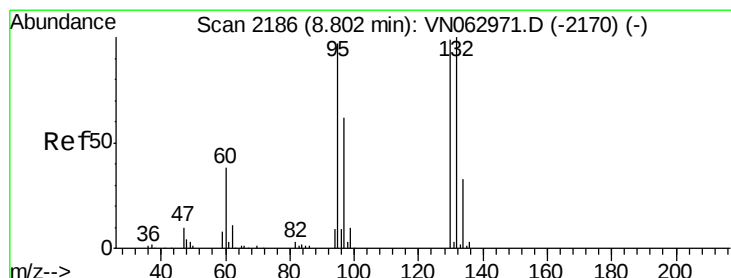
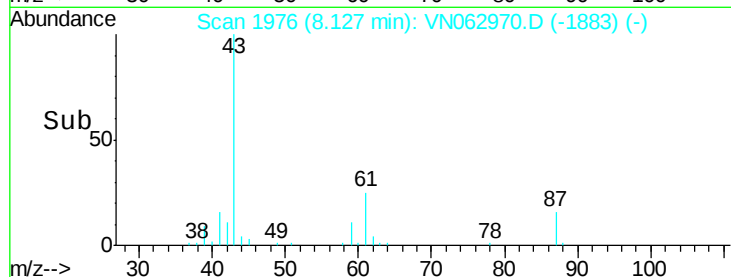
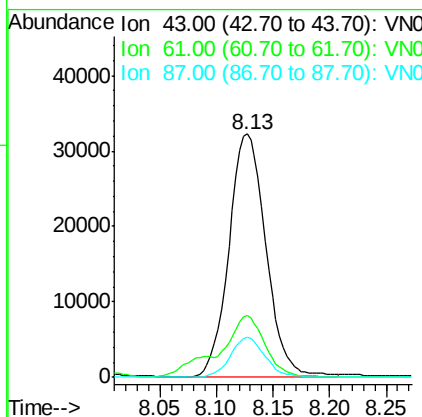
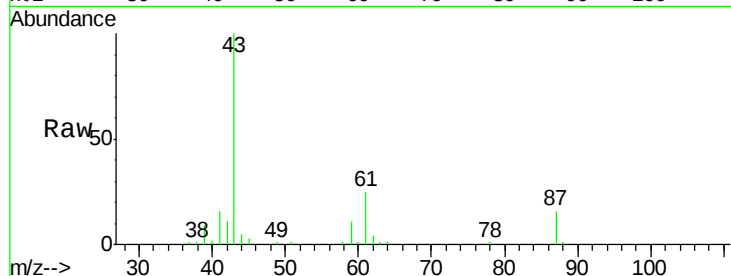
#43  
Isopropyl Acetate  
Concen: 14.458 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 23.5  | 24.6  | 36.8# |
| 87      | 15.1  | 12.4  | 18.6  |

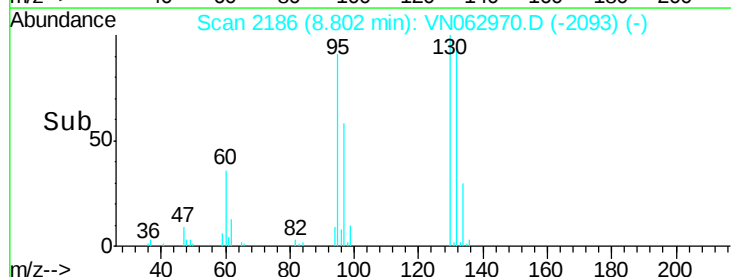
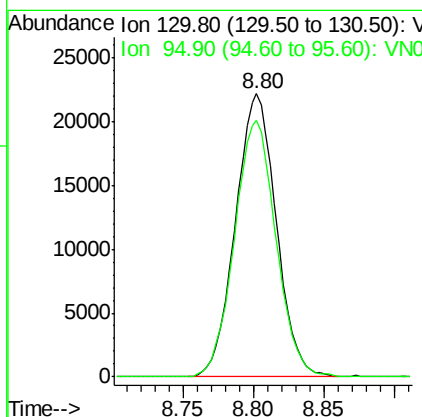
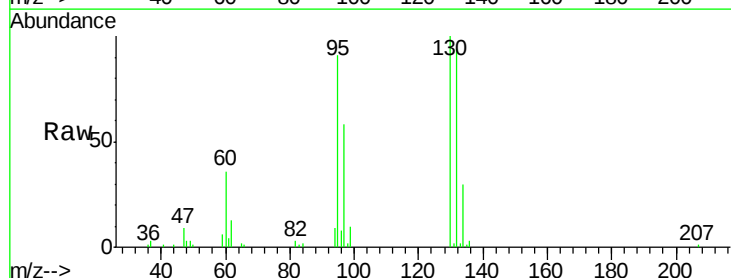
Manual Integrations  
APPROVED

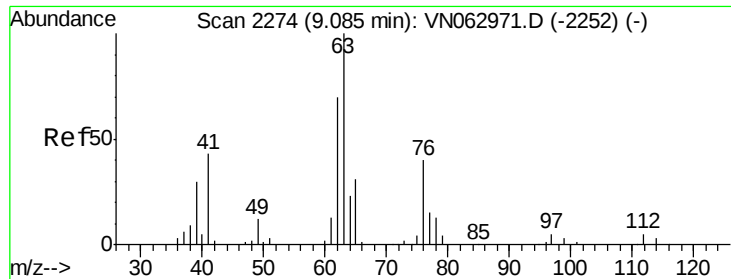
MMDadoda  
8/18/2020 11:12:47 AM



#44  
Trichloroethene  
Concen: 19.930 ug/l  
RT: 8.80 min Scan# 2186  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 90.6  | 0.0   | 194.2 |





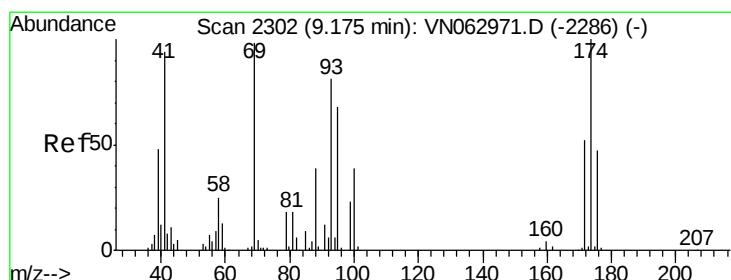
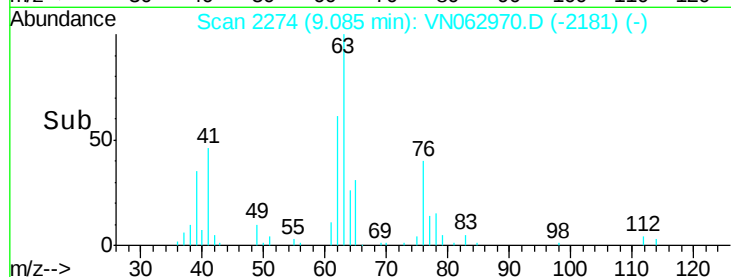
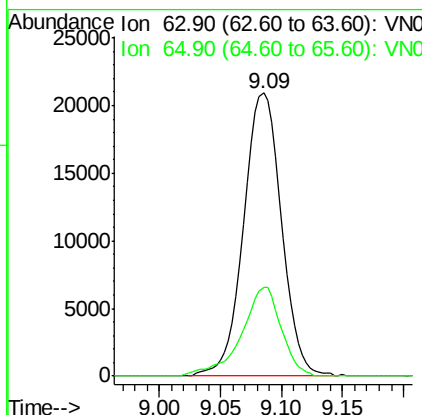
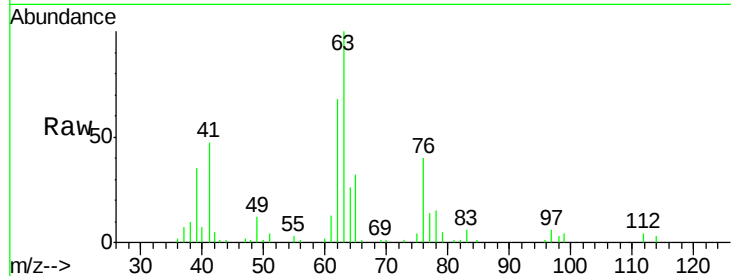
#45  
 1,2-Dichloropropane  
 Concen: 18.418 ug/l  
 RT: 9.09 min Scan# 2274  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Tot Ion: 63 Resp: 44885  
 Ion Ratio Lower Upper  
 63 100  
 65 31.5 24.7 37.1

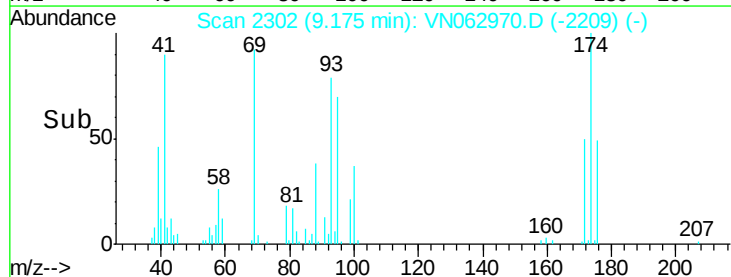
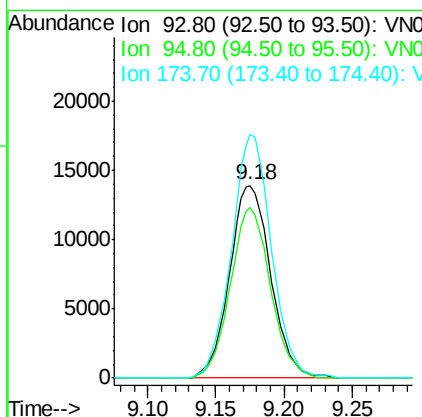
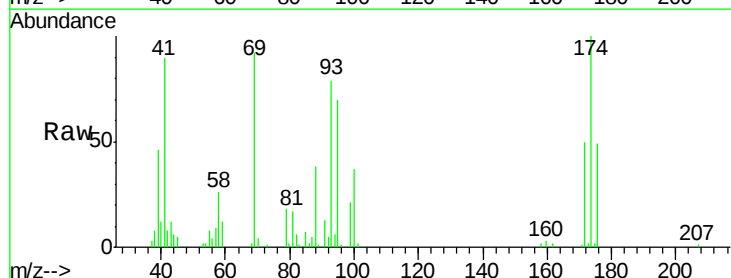
Manual Integrations  
 APPROVED

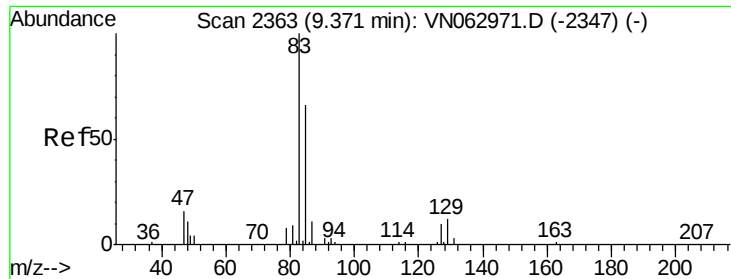
MMDadoda  
 8/18/2020 11:12:47 AM



#46  
 Dibromomethane  
 Concen: 18.221 ug/l  
 RT: 9.18 min Scan# 2302  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Tgt Ion: 93 Resp: 29124  
 Ion Ratio Lower Upper  
 93 100  
 95 86.0 66.6 99.8  
 174 122.7 96.6 145.0





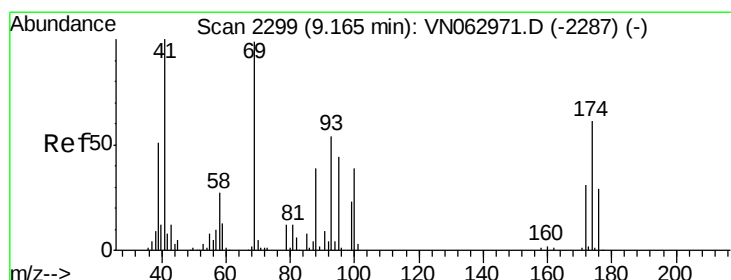
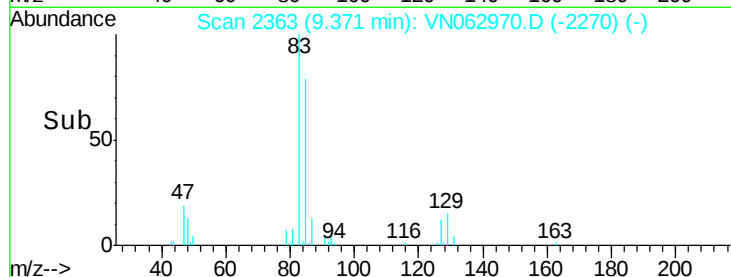
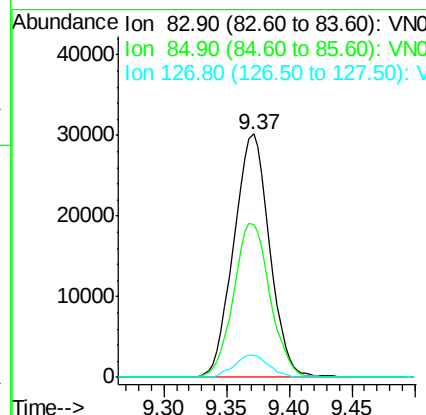
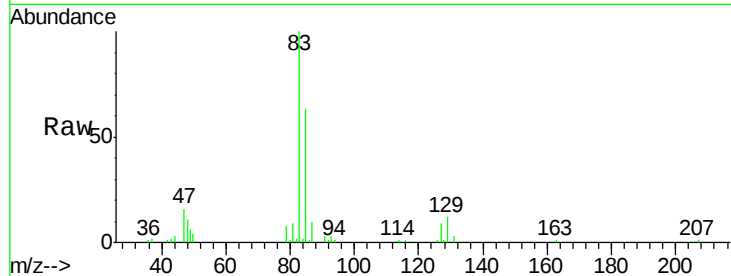
#47  
Bromodichloromethane  
Concen: 16.935 ug/l  
RT: 9.37 min Scan# 2363  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.5  | 52.4  | 78.6  |
| 127     | 9.2   | 7.8   | 11.6  |

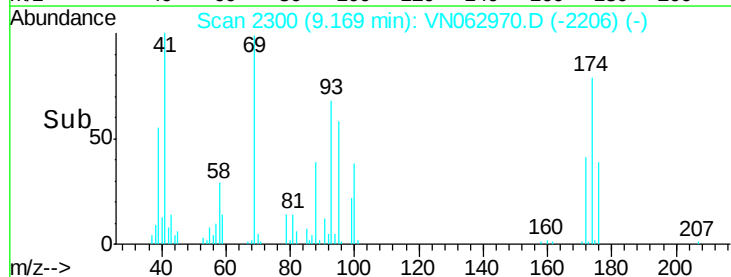
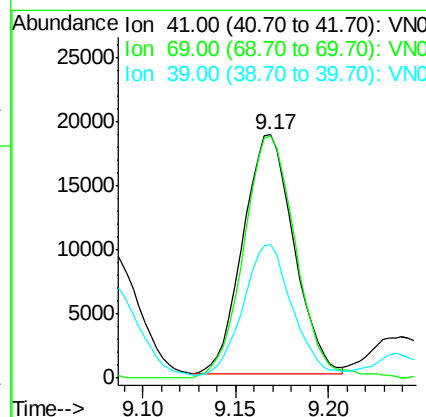
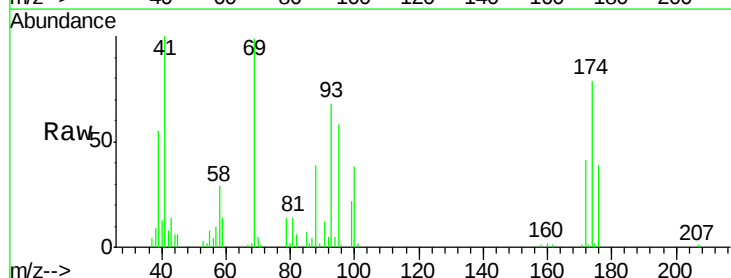
Manual Integrations  
APPROVED

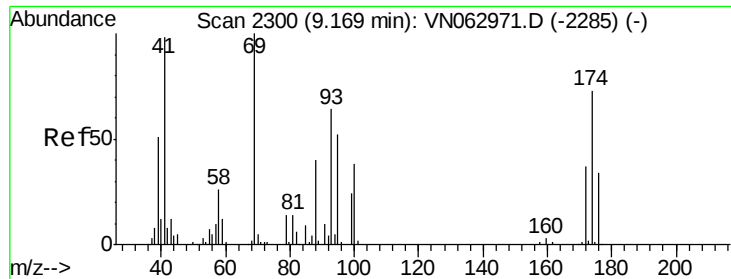
MMDadoda  
8/18/2020 11:12:47 AM



#48  
Methyl methacrylate  
Concen: 14.193 ug/l  
RT: 9.17 min Scan# 2300  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 103.7 | 81.1  | 121.7 |
| 39      | 55.8  | 42.4  | 63.6  |





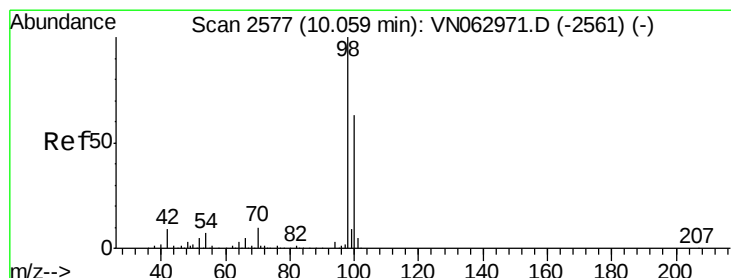
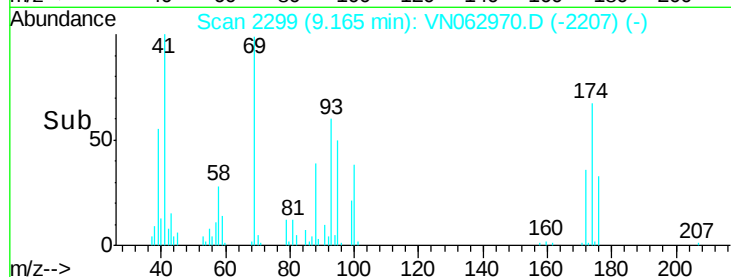
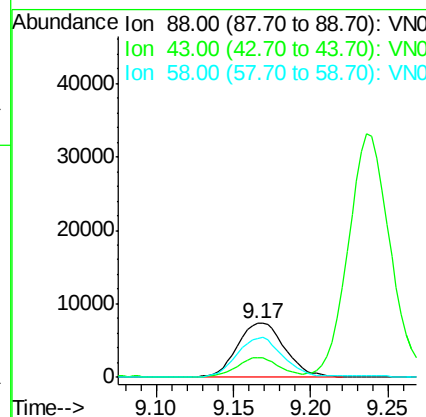
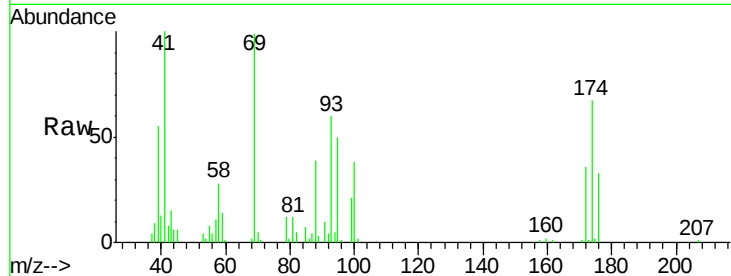
#49  
1,4-Dioxane  
Concen: 337.677 ug/l  
RT: 9.17 min Scan# 2299  
Delta R.T. -0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 88      | 100   |      |       |       |
| 43      | 33.1  | 23.1 | 34.7  |       |
| 58      | 70.8  | 53.1 | 79.7  |       |

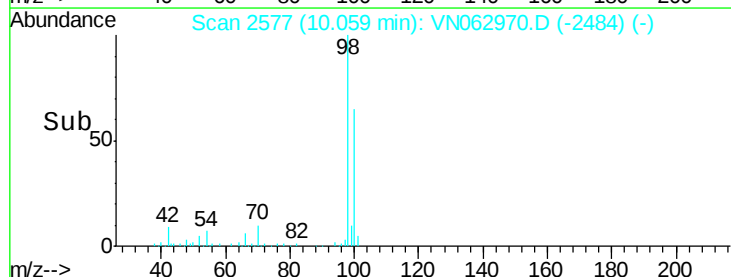
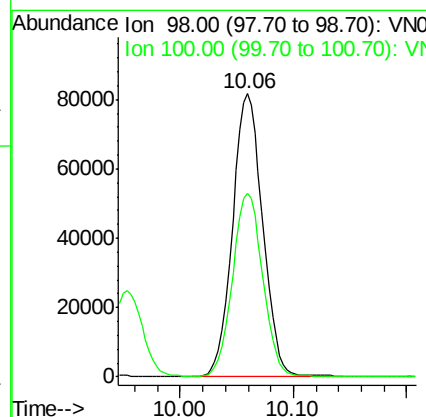
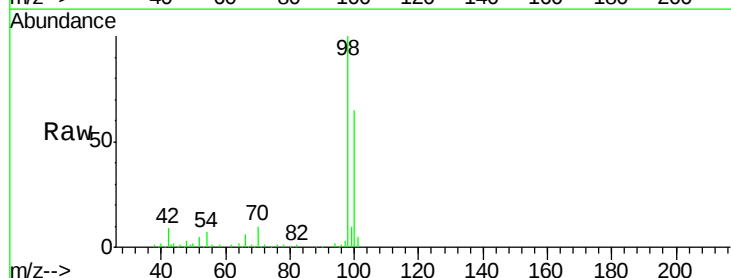
Manual Integrations  
APPROVED

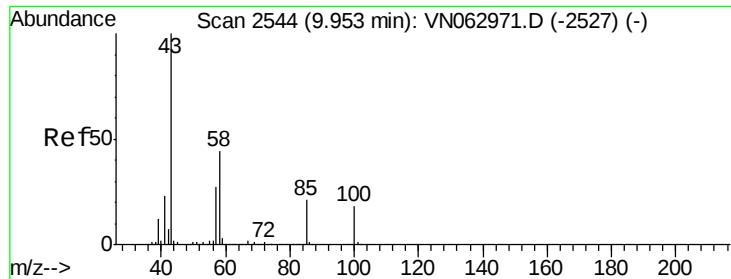
MMDadoda  
8/18/2020 11:12:47 AM



#50  
Toluene-d8  
Concen: 18.143 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 98      | 100   |      |       |       |
| 100     | 65.3  | 51.0 | 76.4  |       |





#51

4-Methyl-2-Pentanone

Concen: 79.335 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 261716

Ion Ratio Lower Upper

43 100

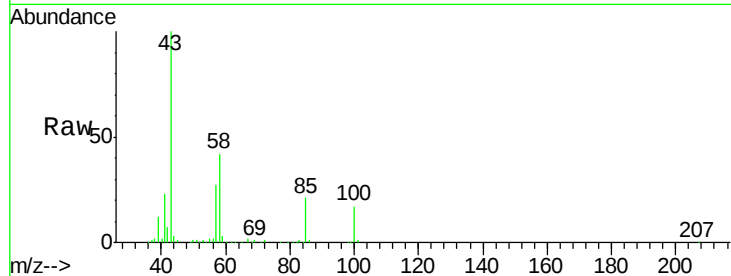
58 42.4 34.3 51.5

Manual Integrations

APPROVED

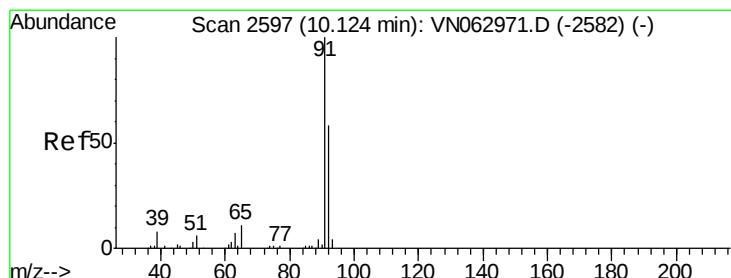
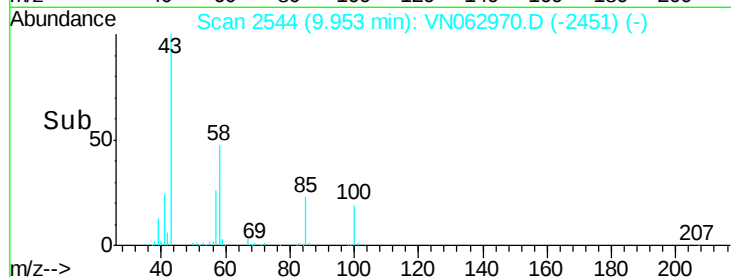
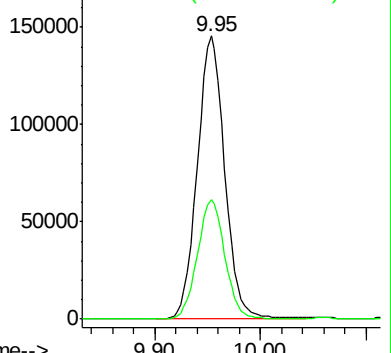
MMDadoda

8/18/2020 11:12:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.261 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062970.D

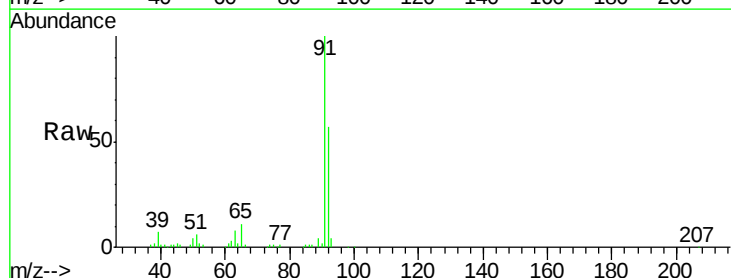
Acq: 17 Aug 2020 14:14

Tgt Ion: 92 Resp: 108143

Ion Ratio Lower Upper

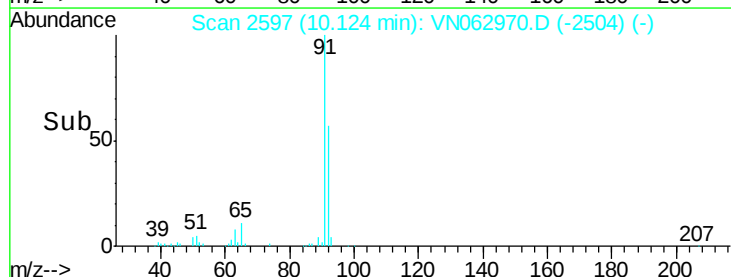
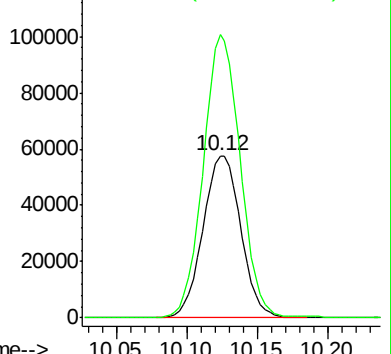
92 100

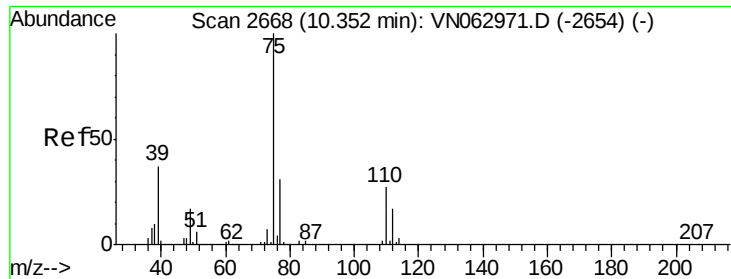
91 171.7 138.6 207.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





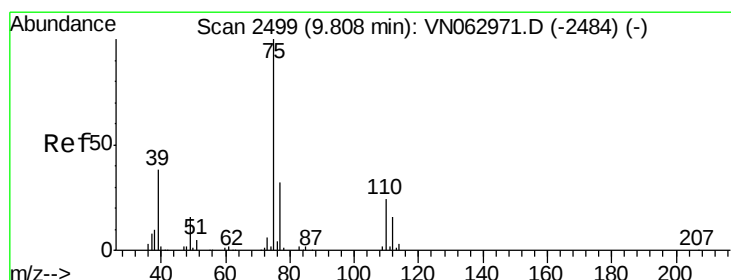
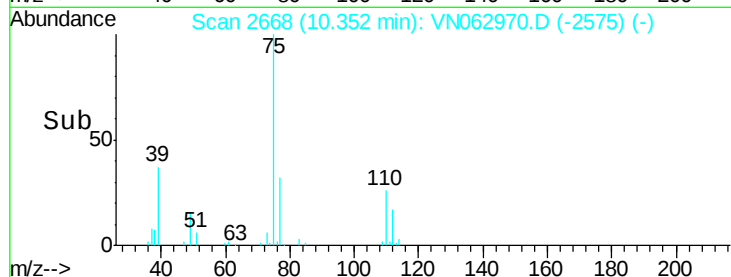
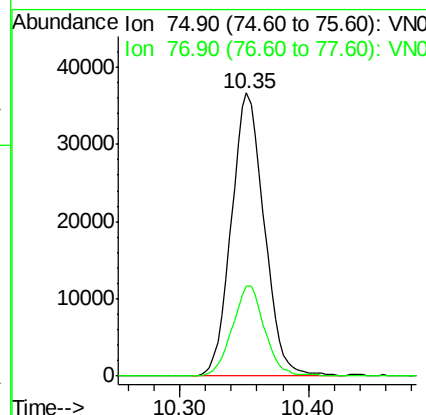
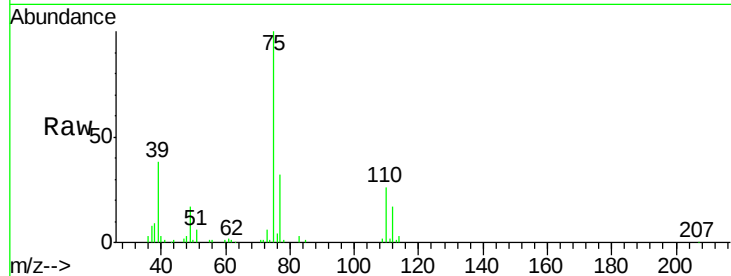
#53  
t-1,3-Dichloropropene  
Concen: 16.729 ug/l  
RT: 10.35 min Scan# 2668  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 25.0  | 37.4  |

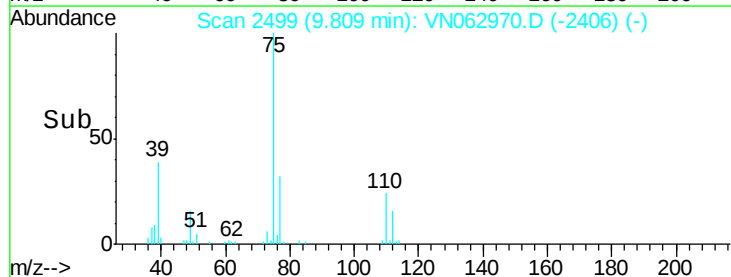
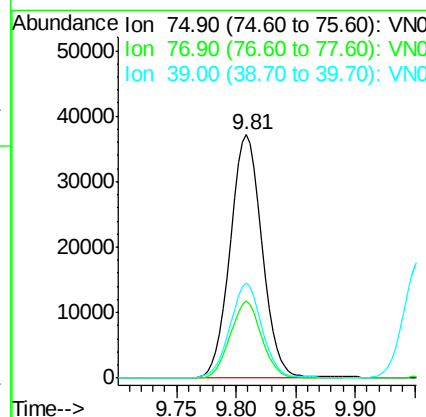
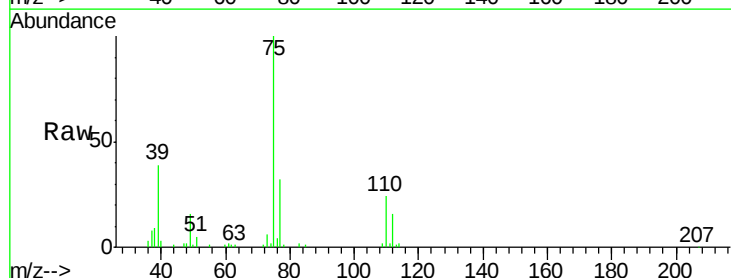
Manual Integrations  
APPROVED

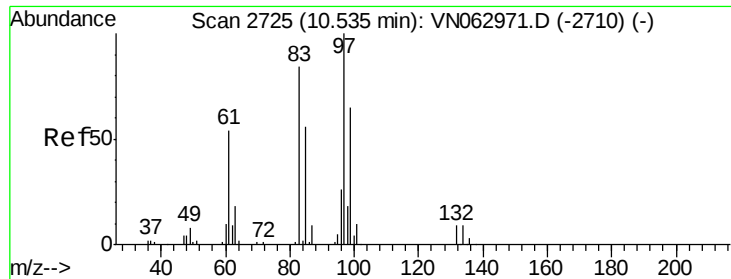
MMDadoda  
8/18/2020 11:12:47 AM



#54  
cis-1,3-Dichloropropene  
Concen: 17.537 ug/l  
RT: 9.81 min Scan# 2499  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.7  | 25.4  | 38.2  |
| 39      | 38.9  | 30.6  | 46.0  |





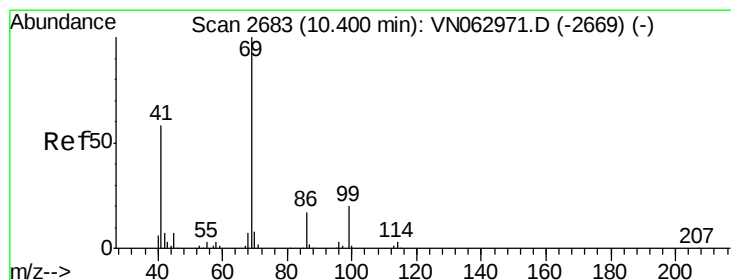
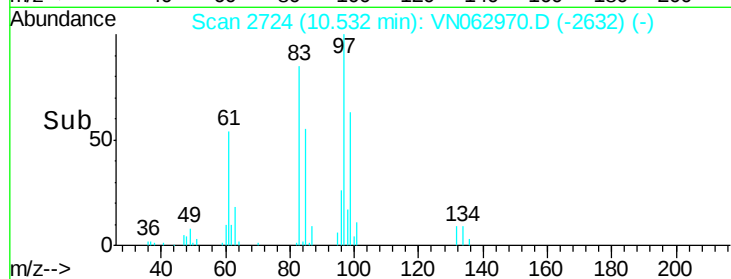
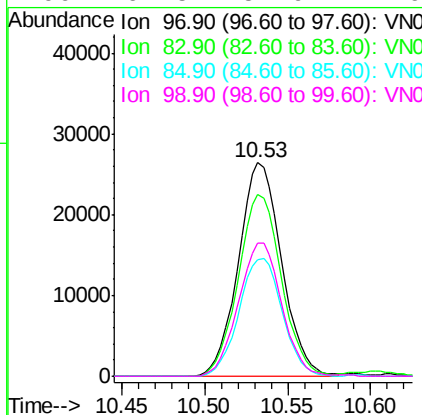
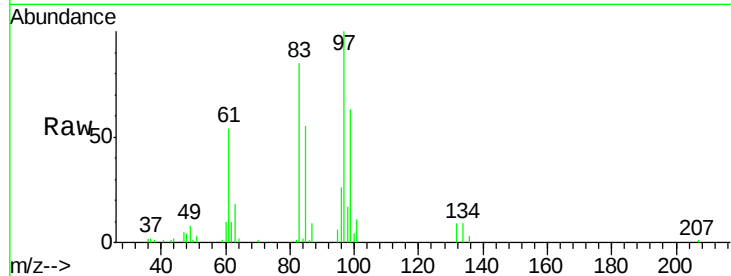
#55  
 1,1,2-Trichloroethane  
 Concen: 19.885 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. -0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 47811 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.9  | 67.0  | 100.4 |
| 85       | 54.8  | 44.4  | 66.6  |
| 99       | 62.5  | 51.9  | 77.9  |

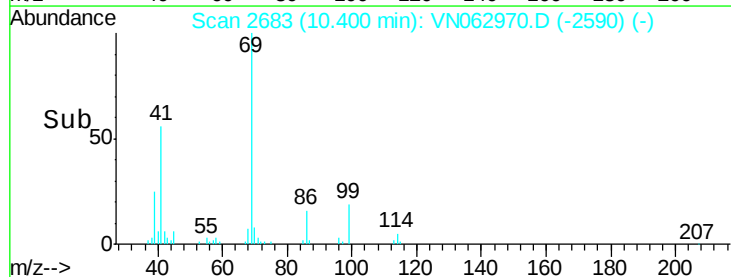
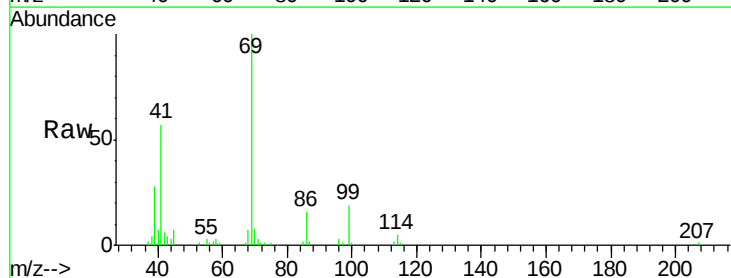
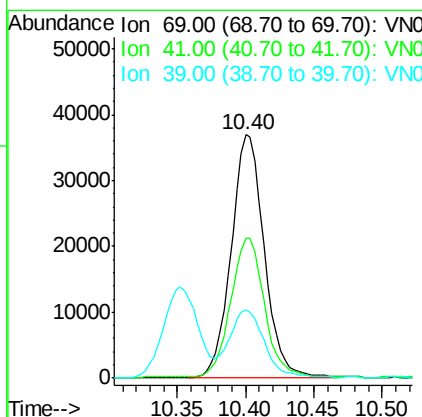
Manual Integrations  
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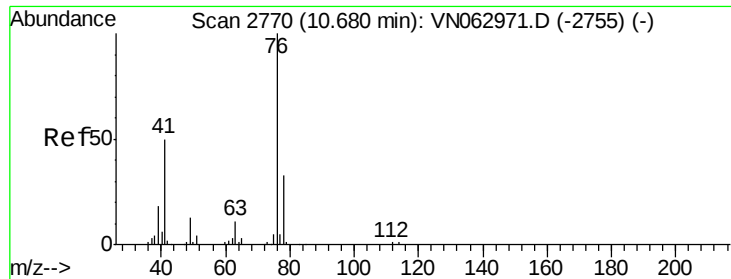
MMDadoda  
 8/18/2020 11:12:47 AM



#56  
 Ethyl methacrylate  
 Concen: 17.710 ug/l  
 RT: 10.40 min Scan# 2683  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 62397 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 57.5  | 46.0  | 69.0  |
| 39       | 30.2  | 23.4  | 35.0  |





#57

1,3-Dichloropropane

Concen: 18.749 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 75340

Ion Ratio Lower Upper

76 100

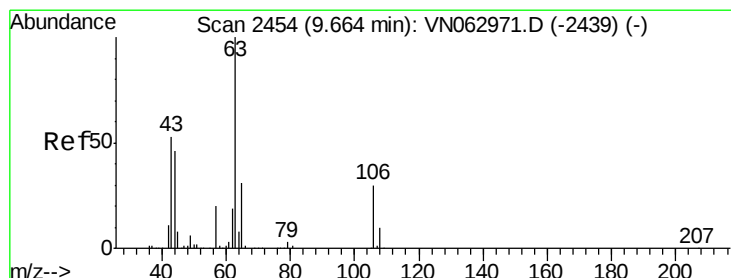
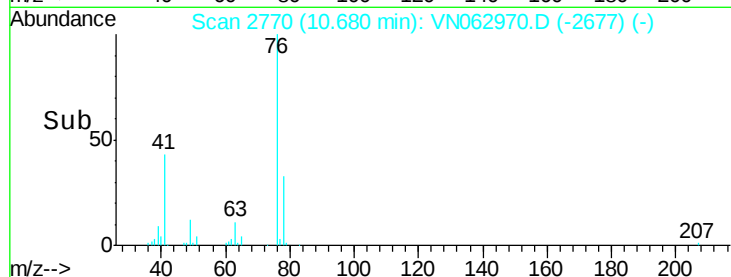
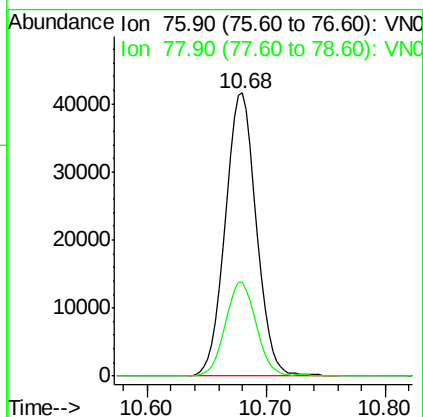
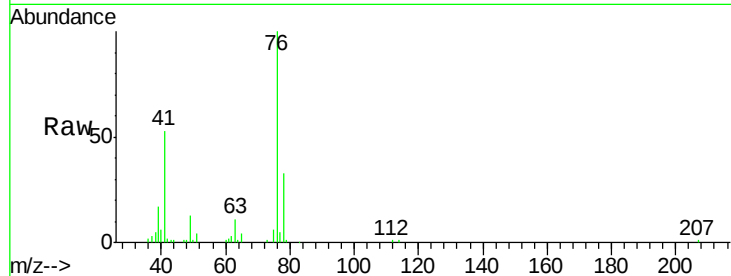
78 32.8 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 61.899 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062970.D

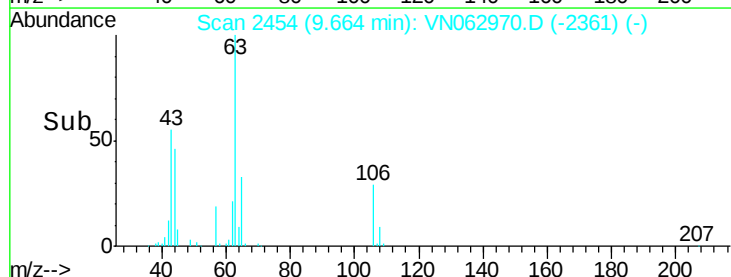
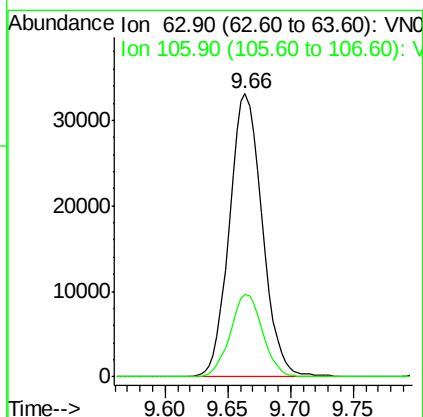
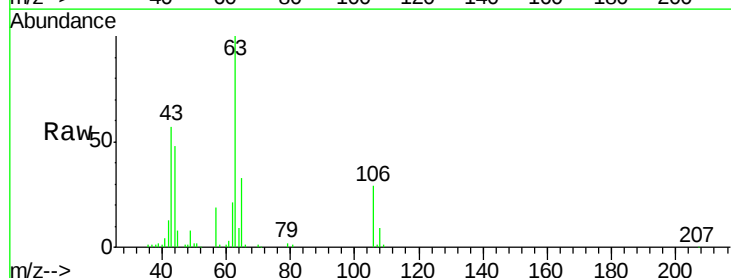
Acq: 17 Aug 2020 14:14

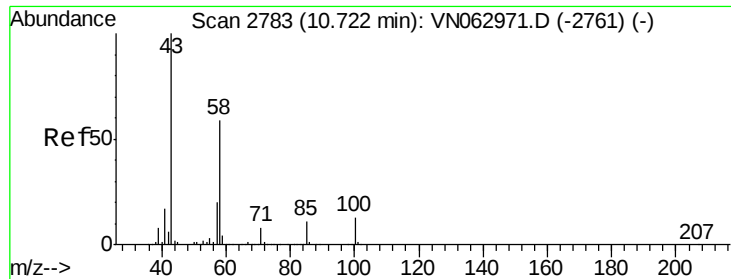
Tgt Ion: 63 Resp: 60358

Ion Ratio Lower Upper

63 100

106 28.5 23.4 35.2





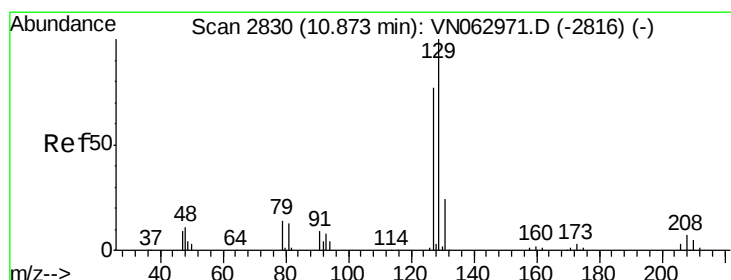
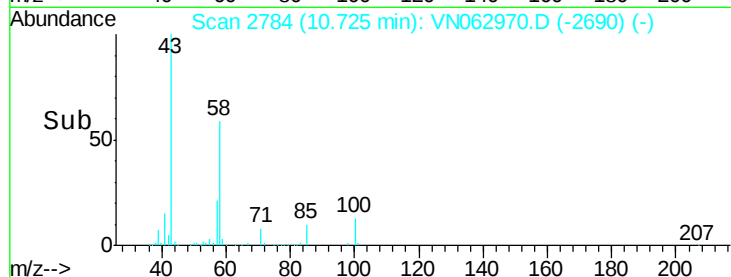
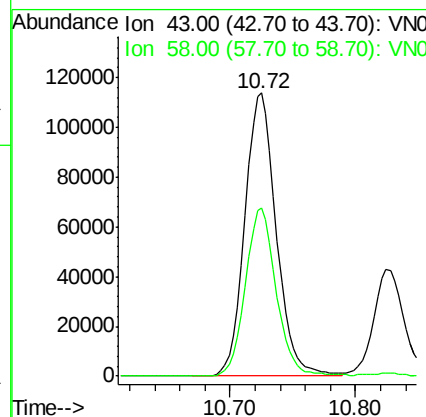
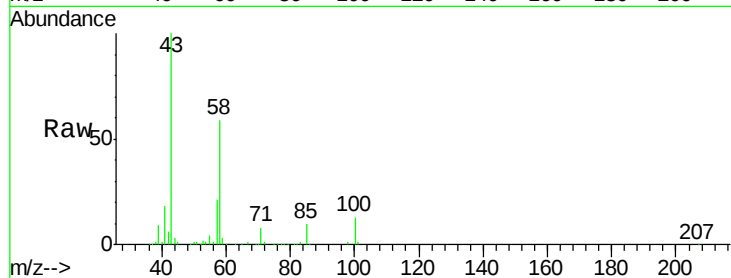
#59  
2-Hexanone  
Concen: 81.204 ug/l  
RT: 10.72 min Scan# 2784  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion   | 43 | Resp | 198783 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 58.1 | 29.5   |
| Upper     |    |      | 88.5   |

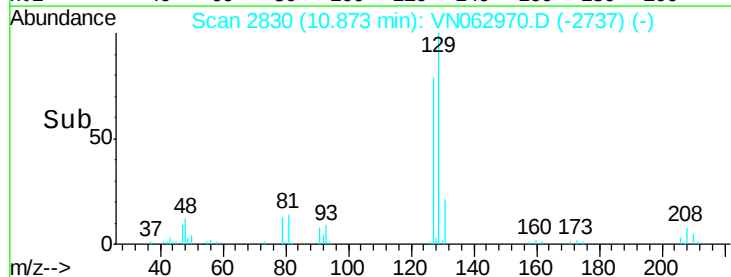
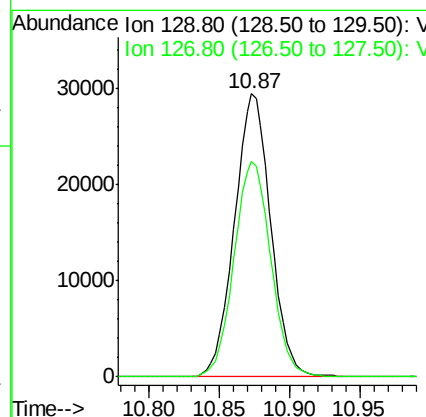
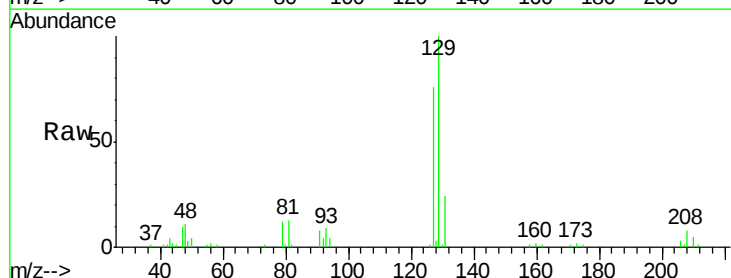
Manual Integrations  
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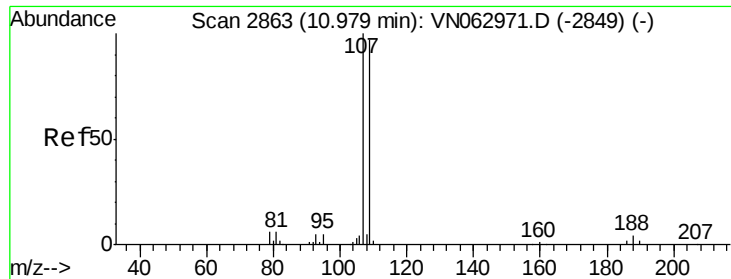
MMDadoda  
8/18/2020 11:12:47 AM



#60  
Dibromochloromethane  
Concen: 19.463 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion   | 129 | Resp | 52975 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 77.0 | 38.4  |
| Upper     |     |      | 115.2 |





#61

1,2-Dibromoethane

Concen: 19.846 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 47019

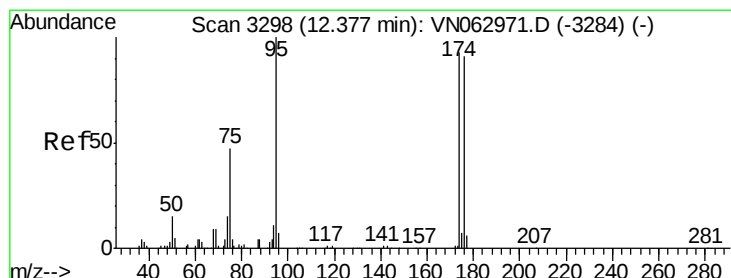
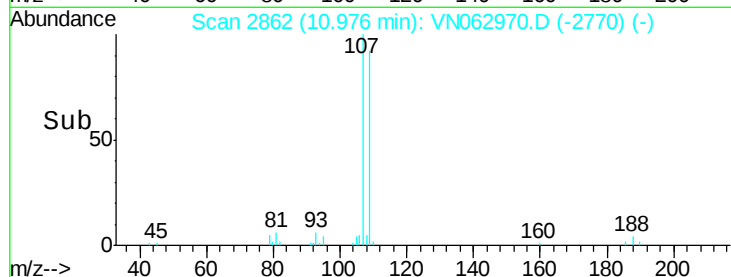
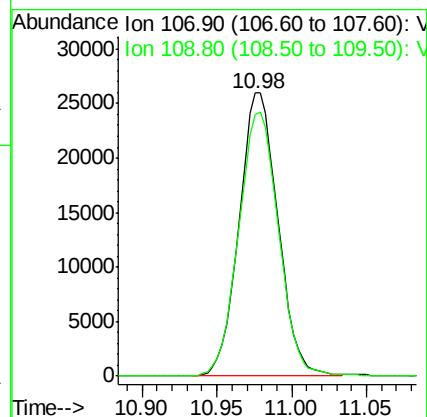
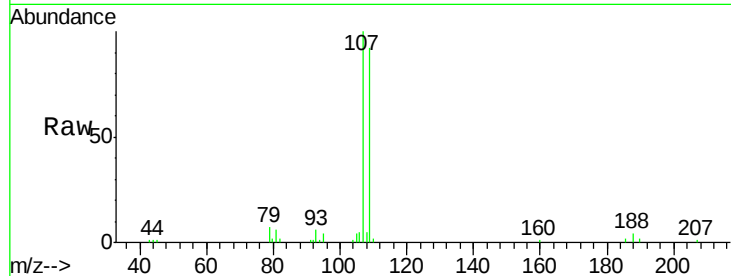
Ion Ratio Lower Upper

107 100

109 95.5 76.6 115.0

Manual Integrations  
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MMDadoda  
8/18/2020 11:12:47 AM



#62

4-Bromofluorobenzene

Concen: 16.600 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

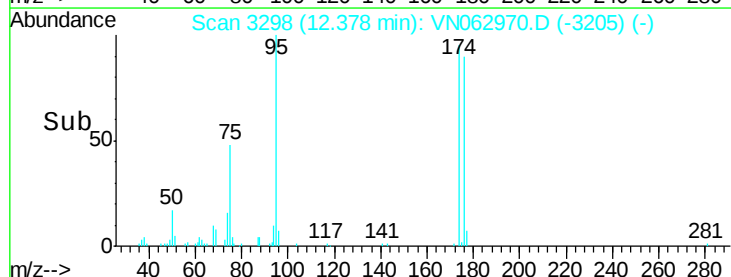
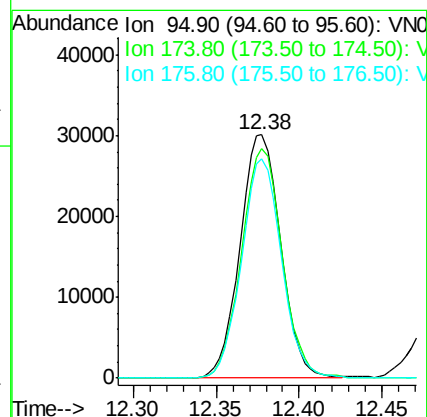
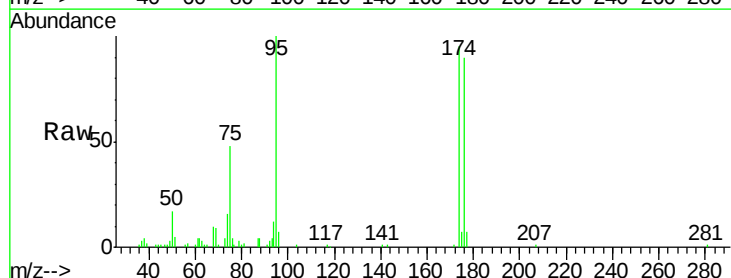
Tgt Ion: 95 Resp: 51473

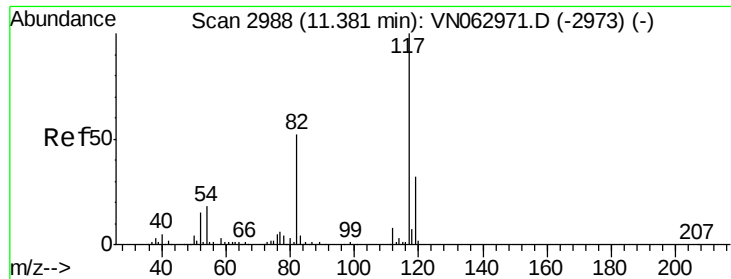
Ion Ratio Lower Upper

95 100

174 93.6 0.0 185.2

176 88.5 0.0 178.8





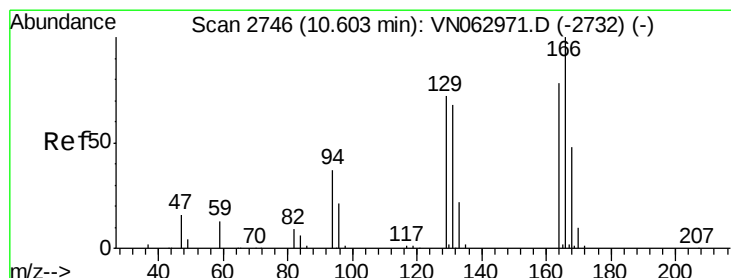
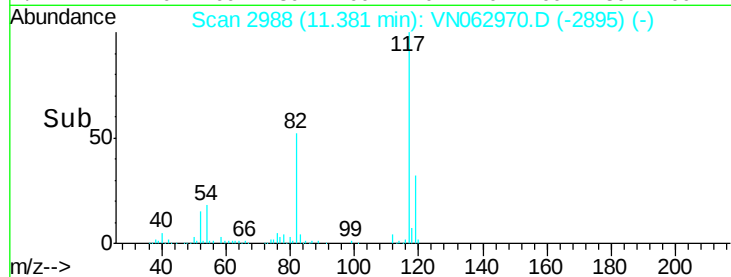
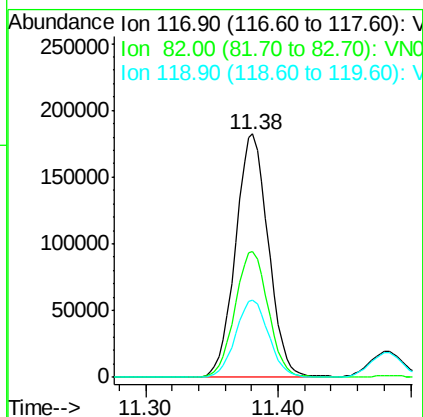
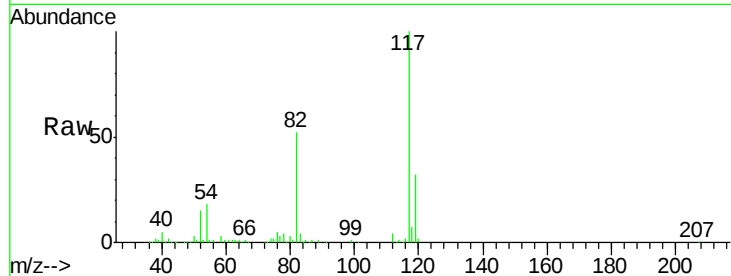
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 313333 |       |       |
| 82      | 51.8  |        | 41.3  | 61.9  |
| 119     | 32.0  |        | 25.8  | 38.8  |

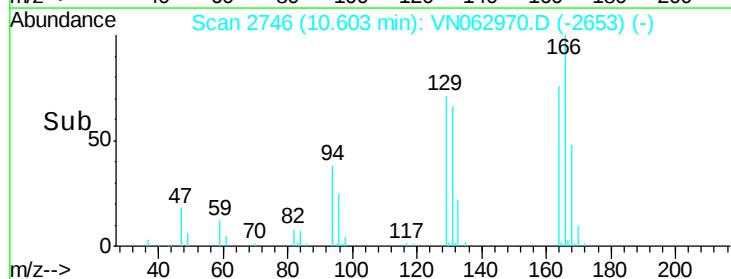
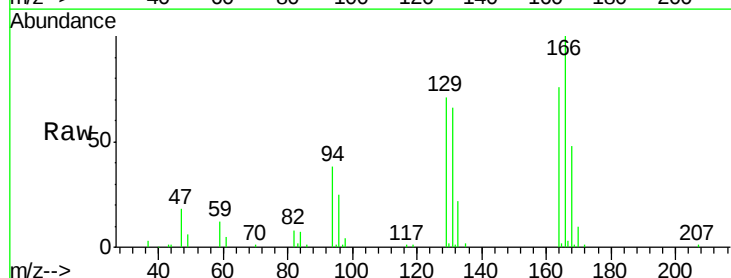
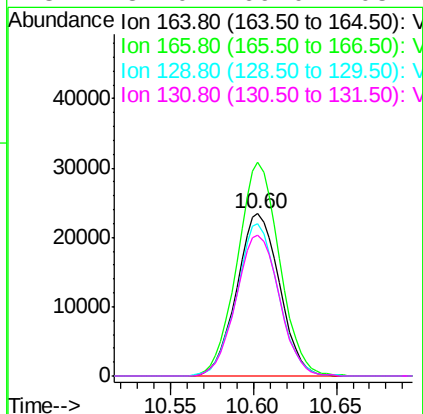
Manual Integrations  
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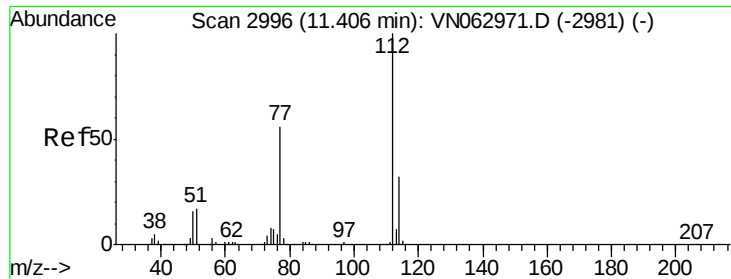
MMDadoda  
8/18/2020 11:12:47 AM



#64  
Tetrachloroethene  
Concen: 20.424 ug/l  
RT: 10.60 min Scan# 2746  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 41861 |       |       |
| 166     | 131.7 |       | 101.9 | 152.9 |
| 129     | 93.6  |       | 73.1  | 109.7 |
| 131     | 87.0  |       | 69.0  | 103.4 |





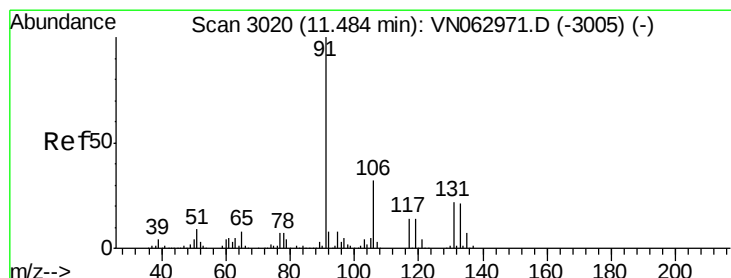
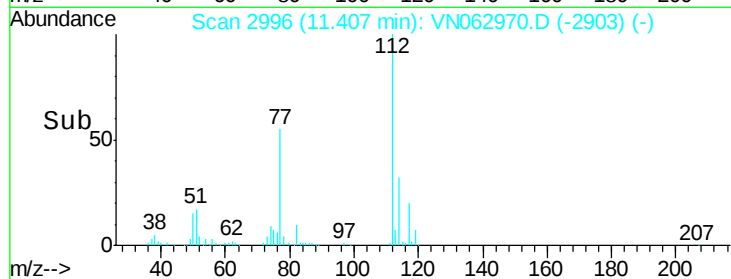
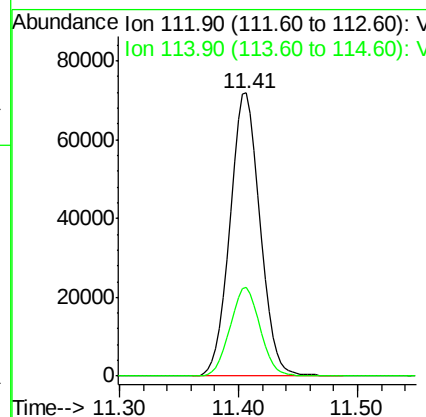
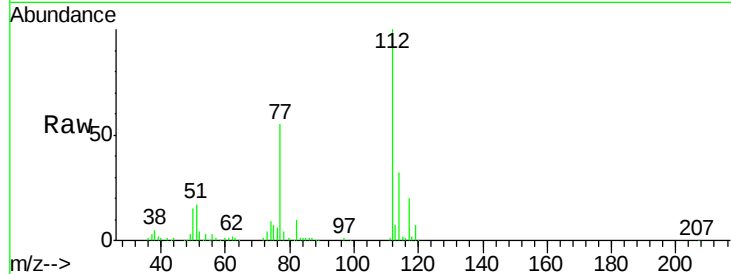
#65  
Chlorobenzene  
Concen: 19.284 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion:112 Resp: 125756  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.4 38.2

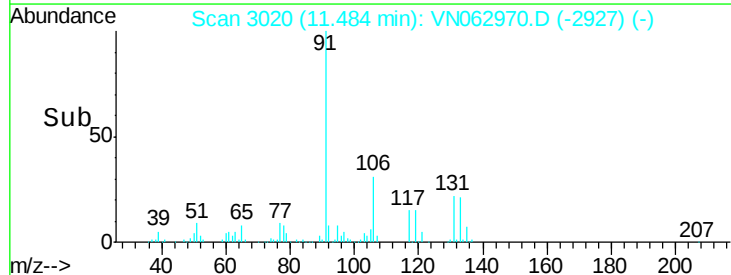
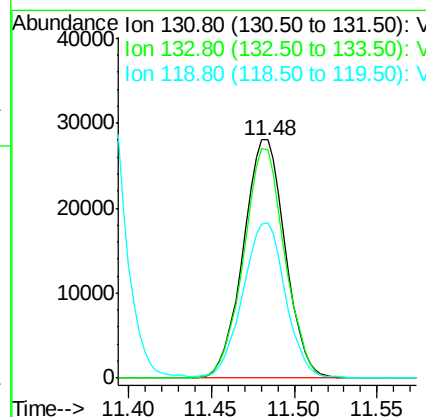
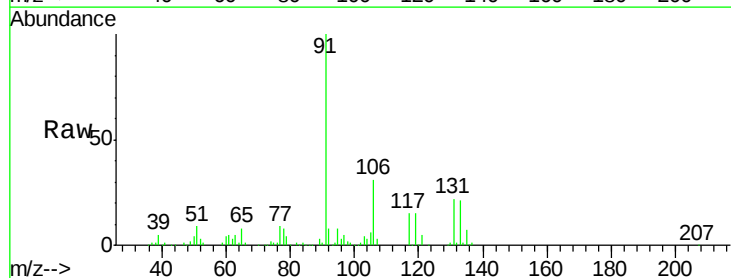
Manual Integrations  
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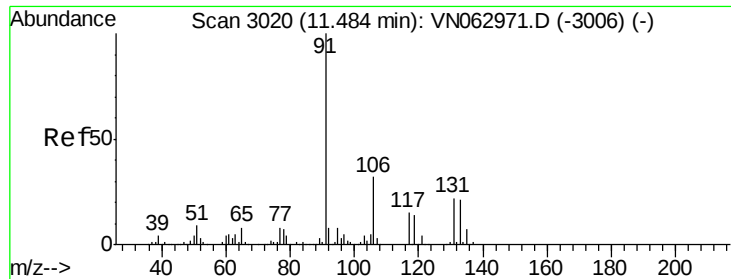
MMDadoda  
8/18/2020 11:12:47 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.989 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Tgt Ion:131 Resp: 49348  
Ion Ratio Lower Upper  
131 100  
133 94.5 47.8 143.4  
119 66.3 32.4 97.0





#67

Ethyl Benzene

Concen: 17.895 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 205934

Ion Ratio Lower Upper

91 100

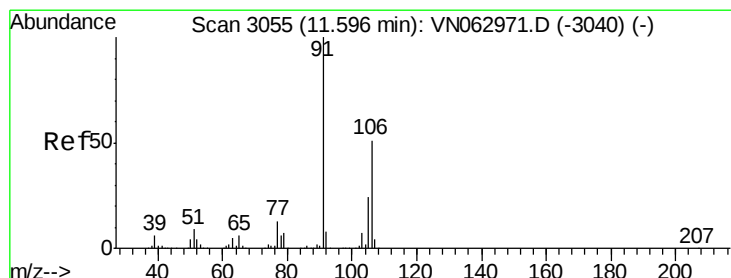
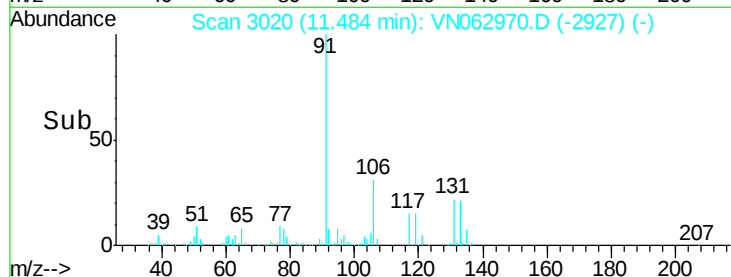
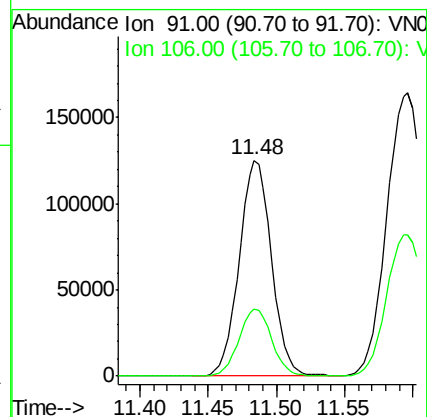
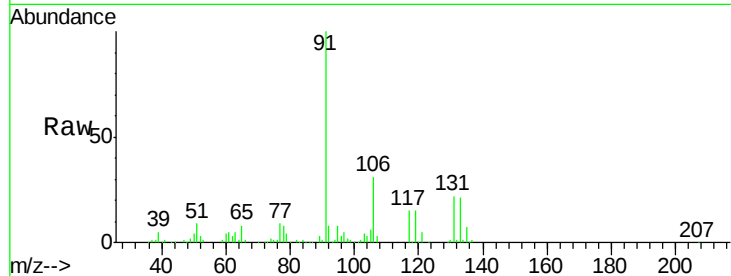
106 31.0 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.463 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062970.D

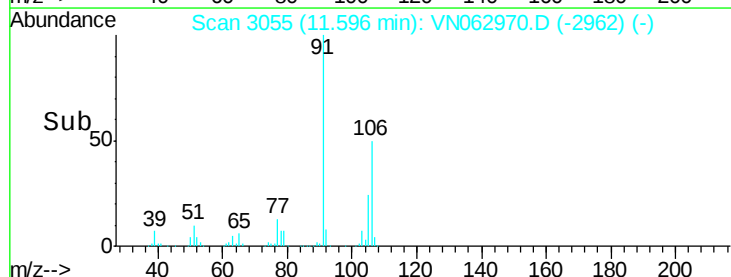
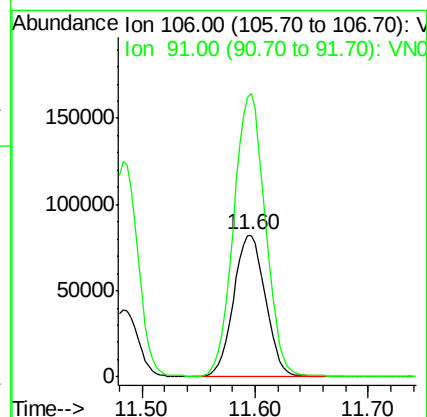
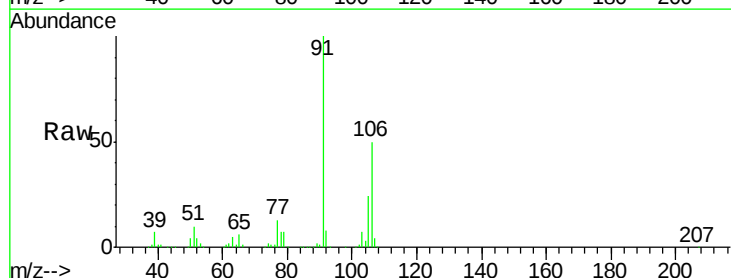
Acq: 17 Aug 2020 14:14

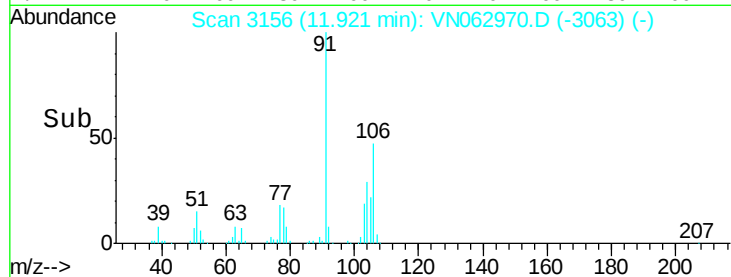
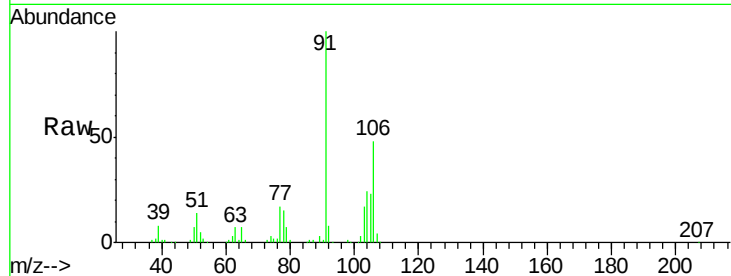
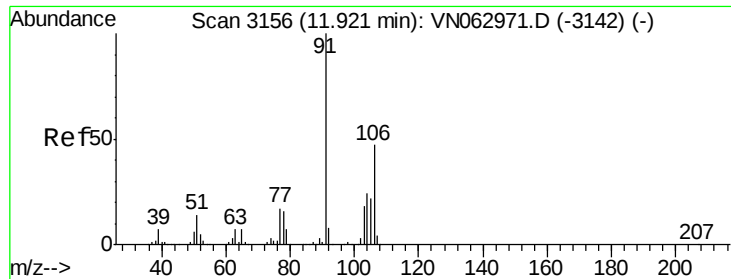
Tgt Ion: 106 Resp: 162268

Ion Ratio Lower Upper

106 100

91 197.2 158.7 238.1





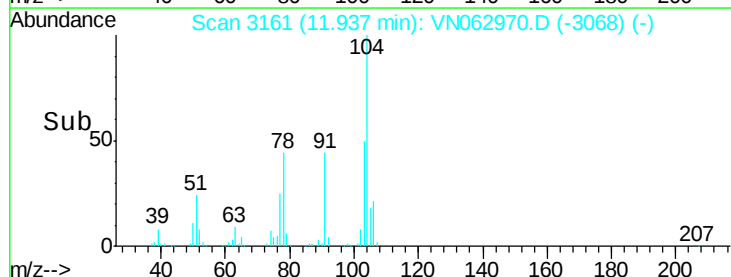
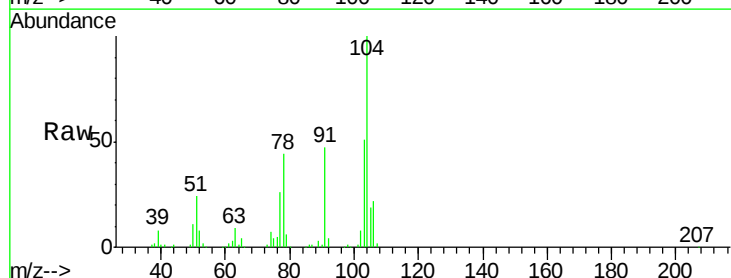
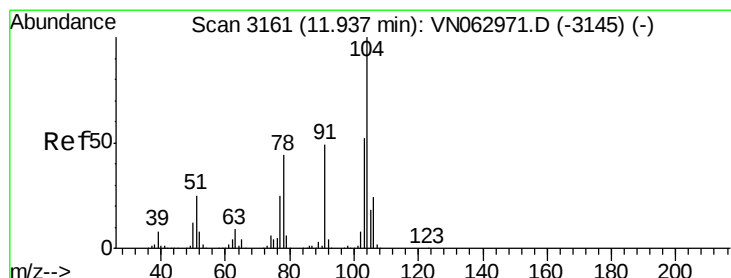
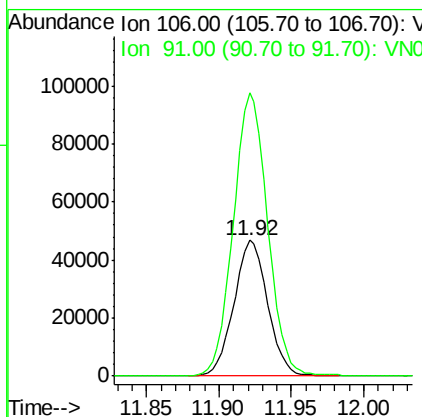
#69  
o-Xylene  
Concen: 19.175 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Tot Ion:106 Resp: 75638  
Ion Ratio Lower Upper  
106 100  
91 212.1 106.3 318.8

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

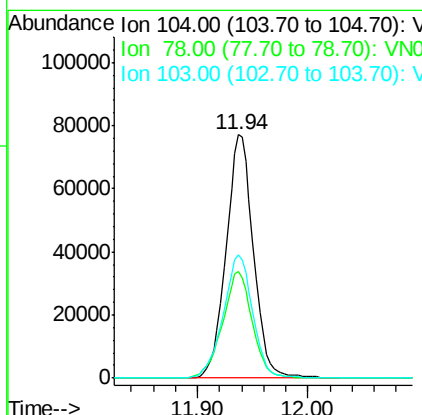
Manual Integrations  
APPROVED

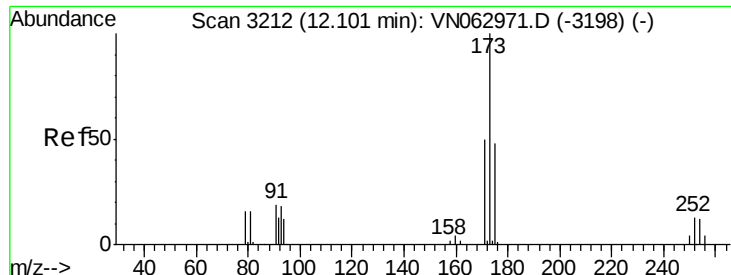
MMDadoda  
8/18/2020 11:12:47 AM



#70  
Styrene  
Concen: 19.153 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Tgt Ion:104 Resp: 132717  
Ion Ratio Lower Upper  
104 100  
78 47.6 38.2 57.4  
103 54.7 44.9 67.3





#71

Bromoform

Concen: 19.176 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 41168

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.2

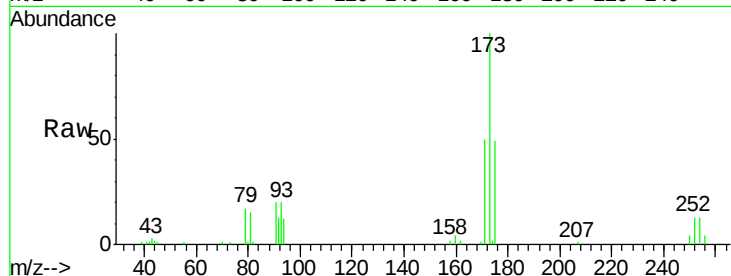
254 0.0 0.0 0.0

Manual Integrations

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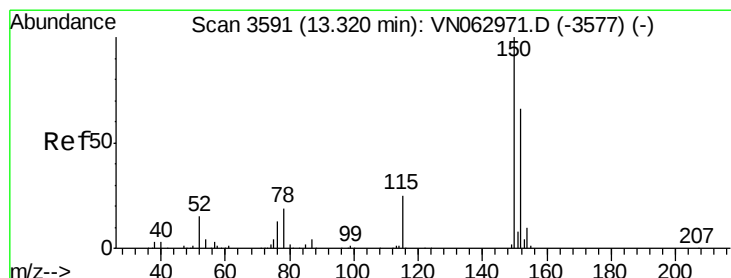
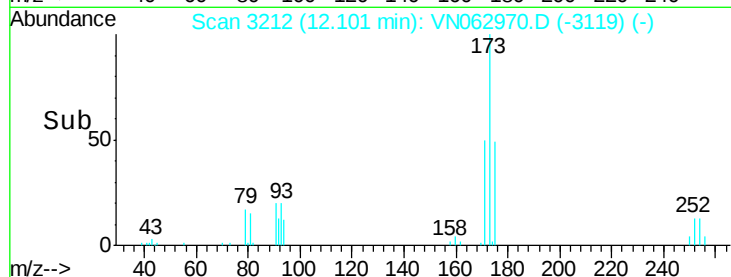
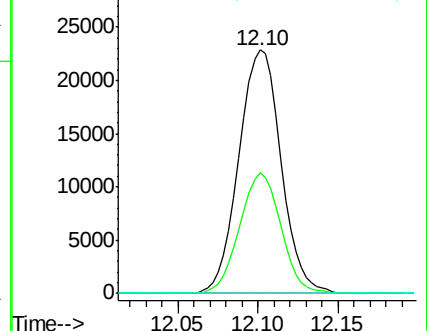
8/18/2020 11:12:47 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

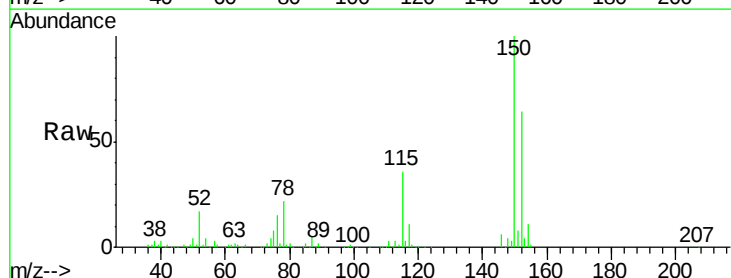
Tgt Ion:152 Resp: 146589

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

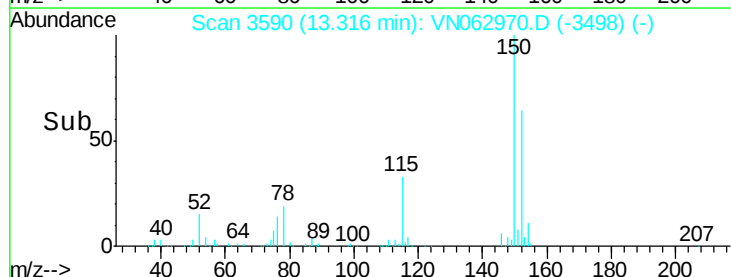
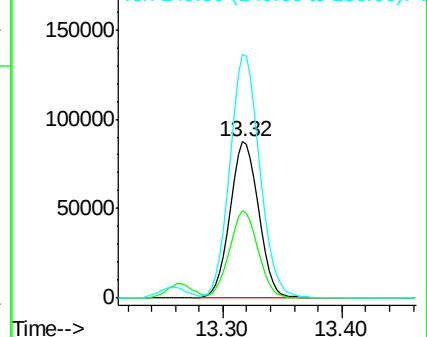
150 161.1 0.0 341.4

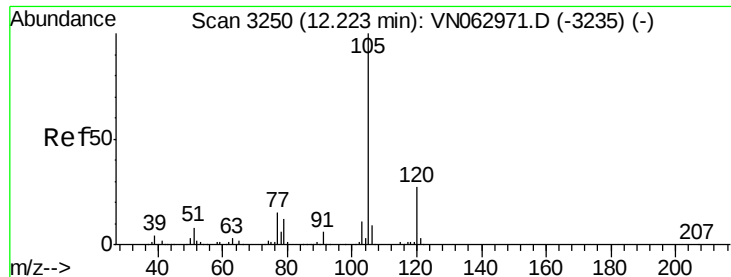


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.628 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 201320

Ion Ratio Lower Upper

105 100

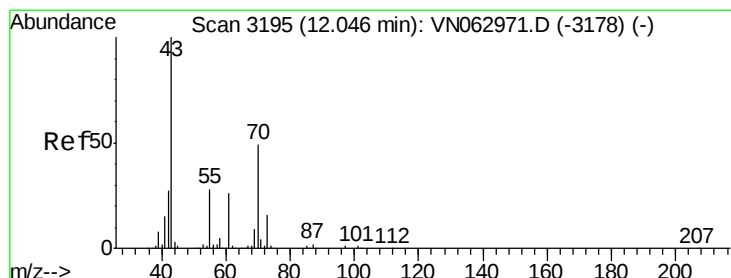
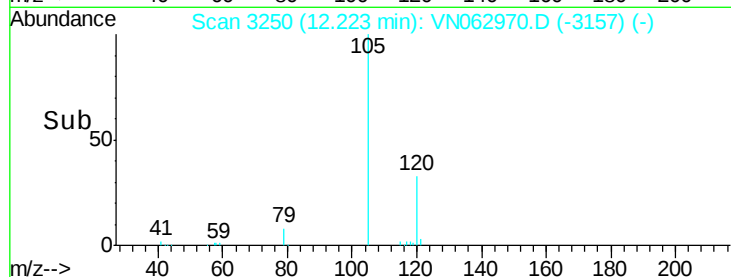
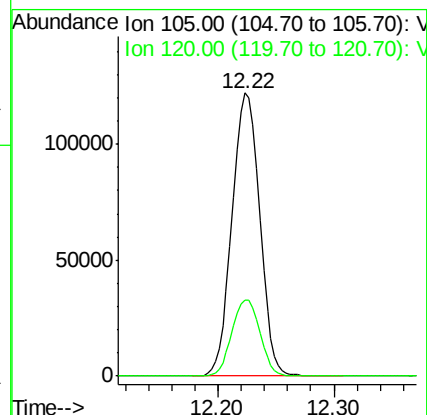
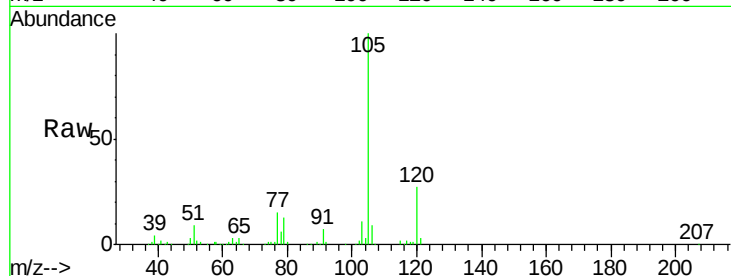
120 27.2 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 15.001 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Tgt Ion: 43 Resp: 63217

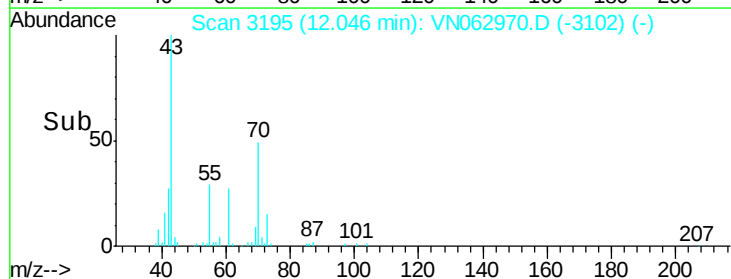
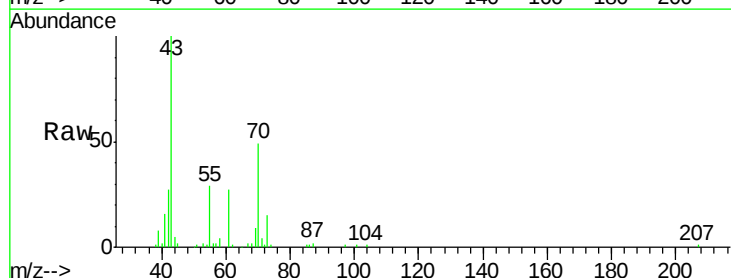
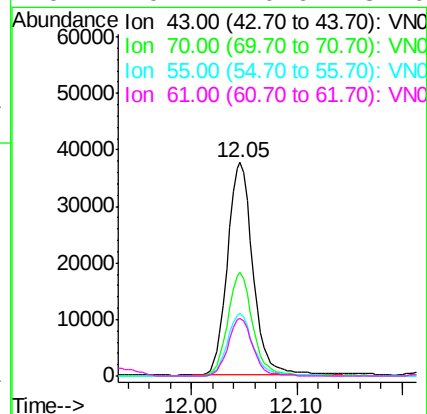
Ion Ratio Lower Upper

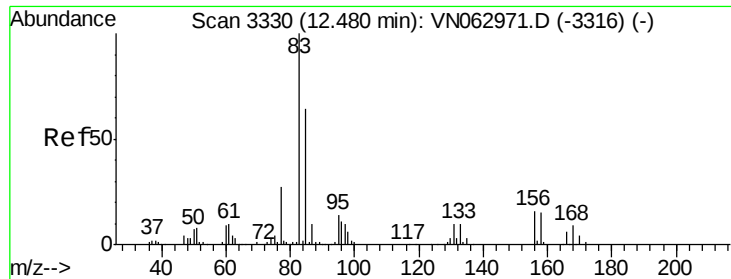
43 100

70 47.4 38.4 57.6

55 29.9 21.9 32.9

61 26.2 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.756 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

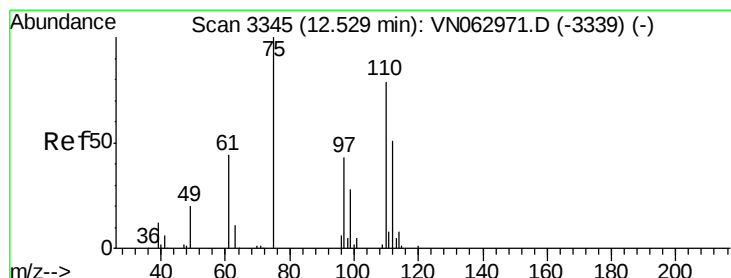
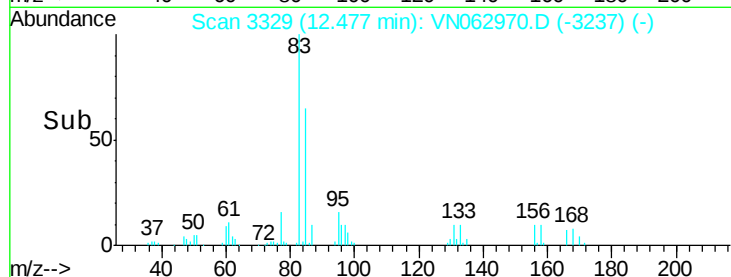
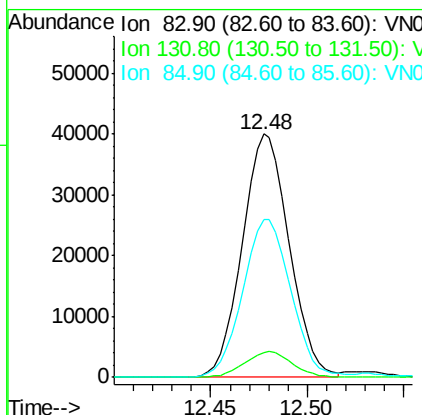
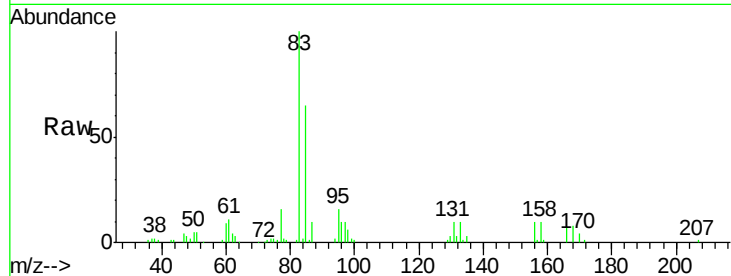
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 67489 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.7  | 5.3   | 16.1  |
| 85        | 66.2  | 31.9  | 95.7  |

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#76

1,2,3-Trichloropropane

Concen: 16.318 ug/l m

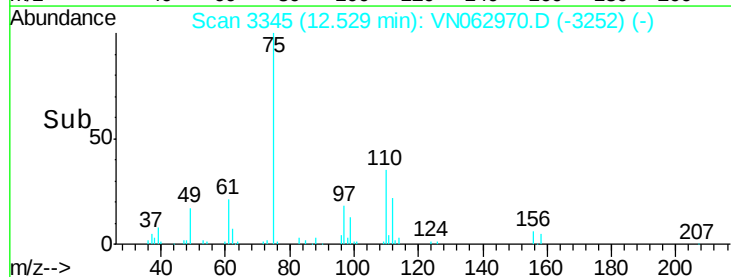
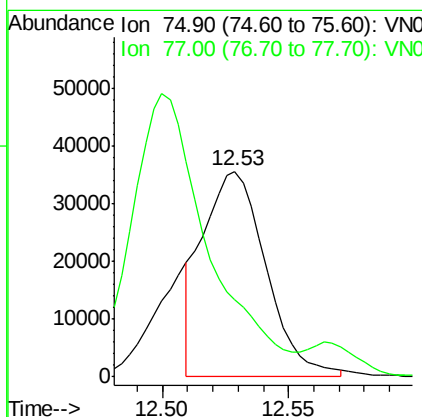
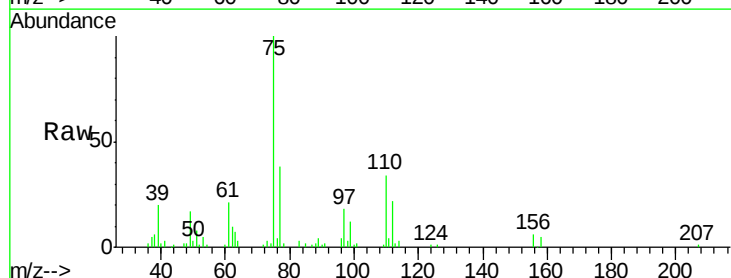
RT: 12.53 min Scan# 3345

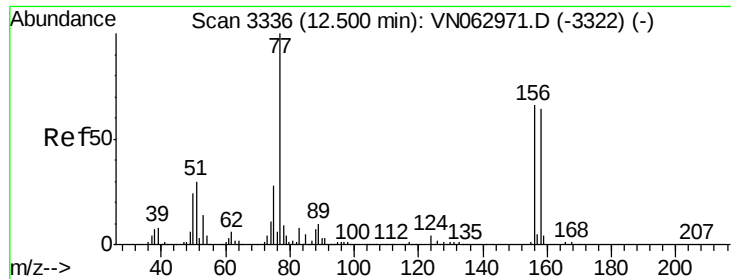
Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 61926 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.594 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

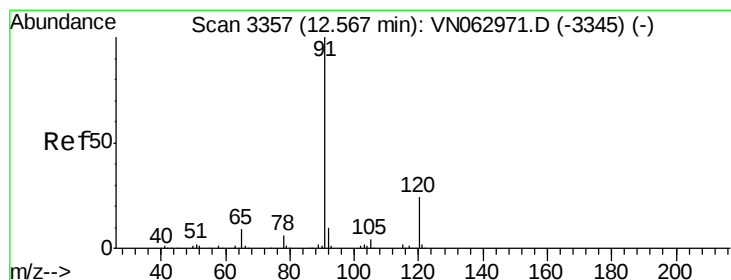
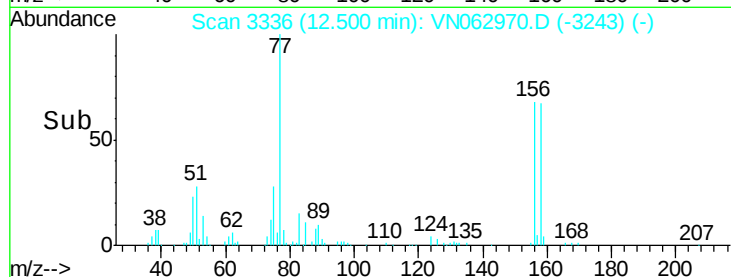
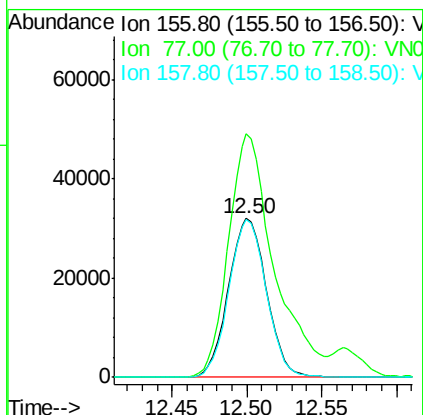
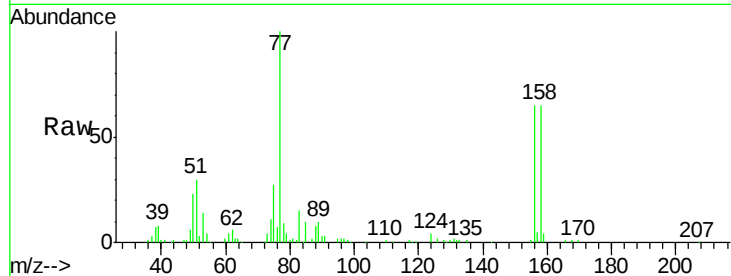
ClientSampled :

VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 183.3 | 92.4  | 277.2 |
| 158     | 97.2  | 48.6  | 145.8 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 17.630 ug/l

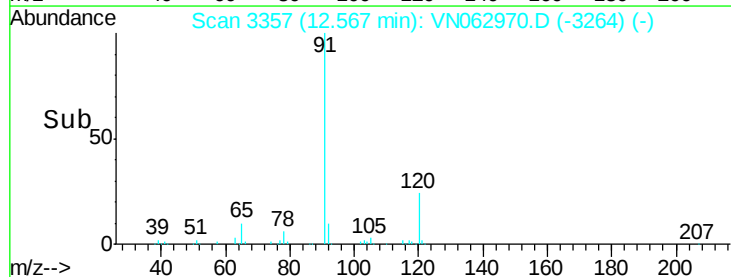
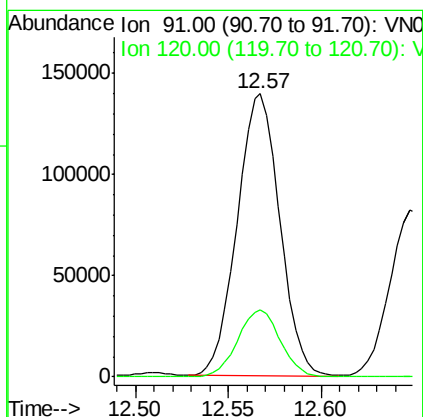
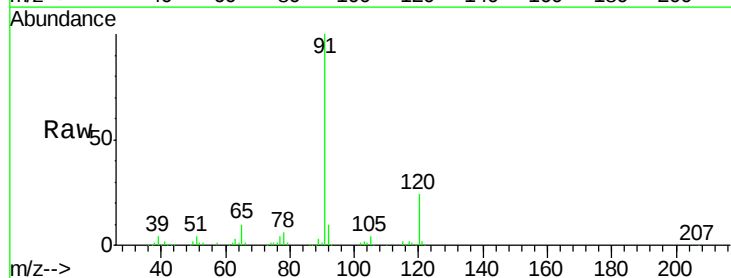
RT: 12.57 min Scan# 3357

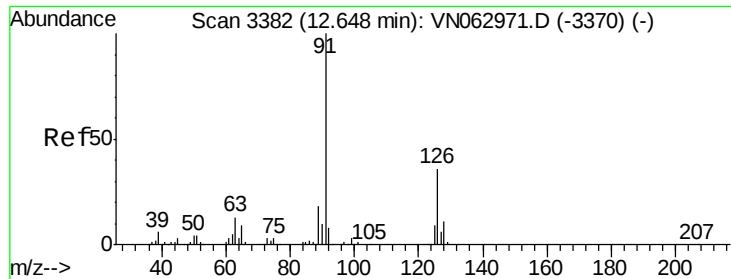
Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.7  | 12.1  | 36.3  |





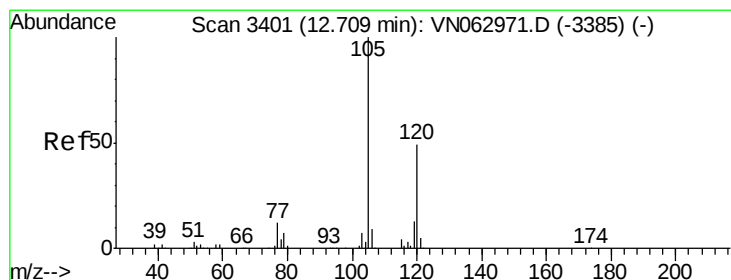
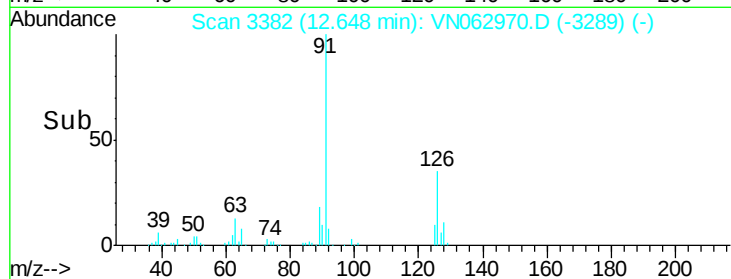
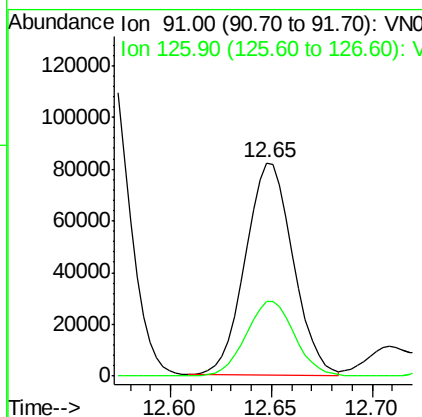
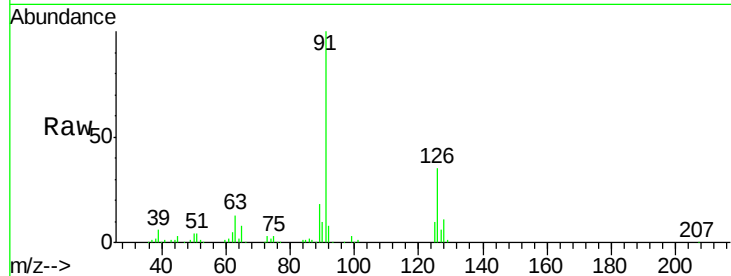
#79  
 2-Chlorotoluene  
 Concen: 17.167 ug/l  
 RT: 12.65 min Scan# 3382  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.3  | 18.1  | 54.3  |

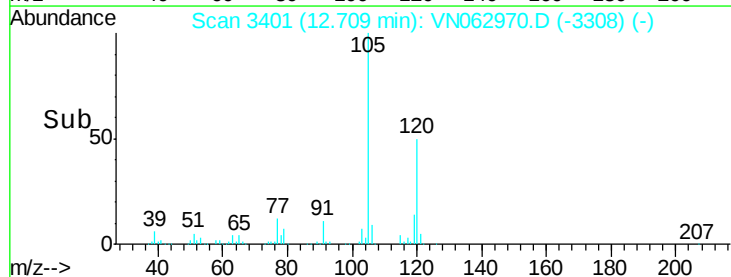
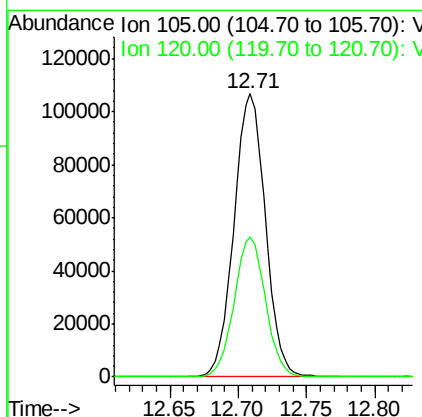
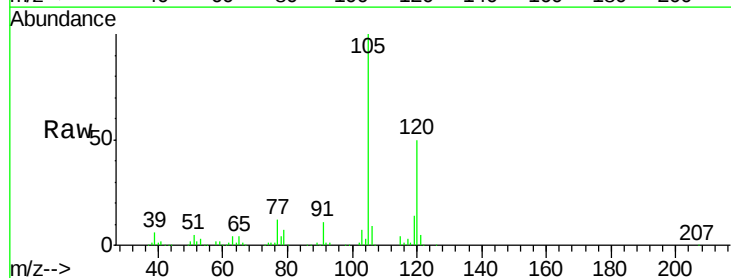
Manual Integrations  
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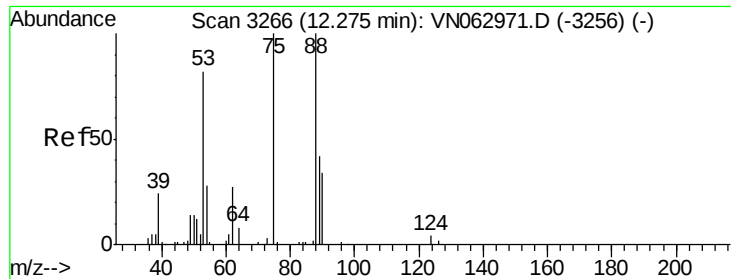
MMDadoda  
 8/18/2020 11:12:47 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 18.246 ug/l  
 RT: 12.71 min Scan# 3401  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 49.2  | 24.9  | 74.7  |





#81

trans-1,4-Dichloro-2-butene

Concen: 16.728 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

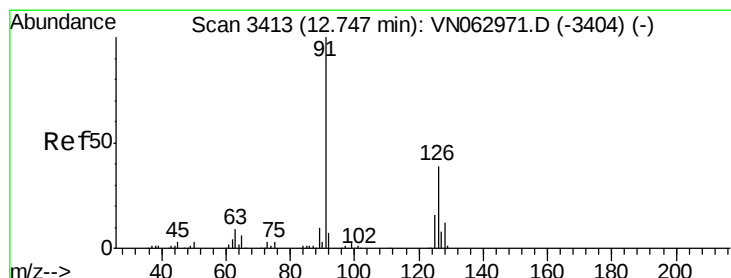
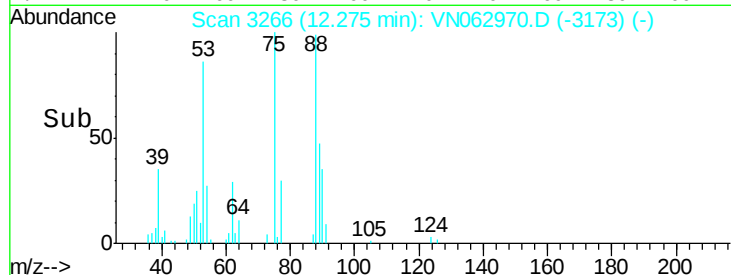
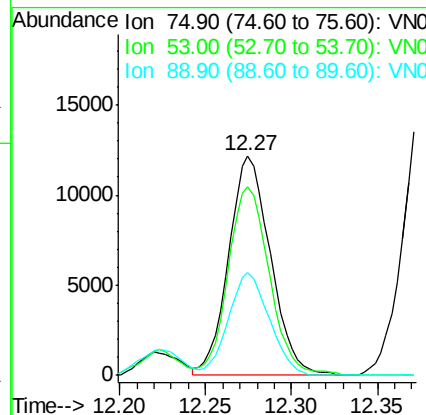
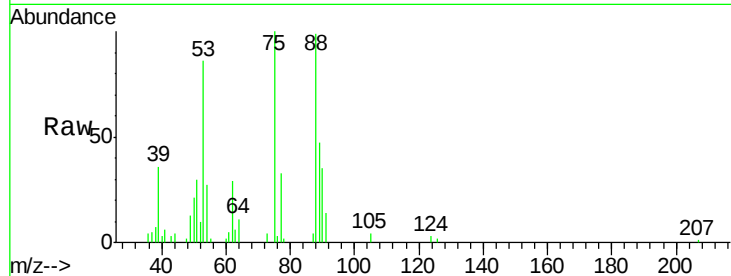
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 20628 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 85.0  | 66.2  | 99.2  |
| 89        | 45.5  | 35.0  | 52.4  |

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#82

4-Chlorotoluene

Concen: 17.191 ug/l

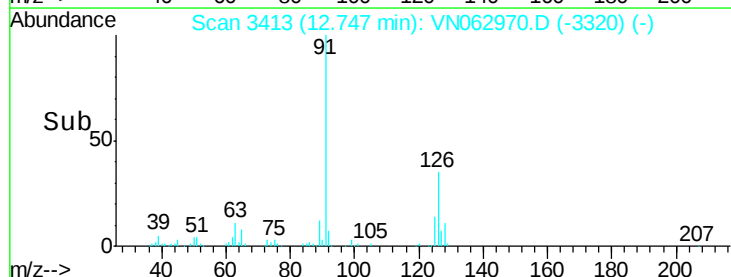
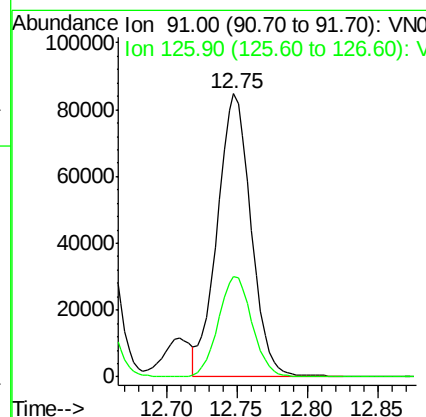
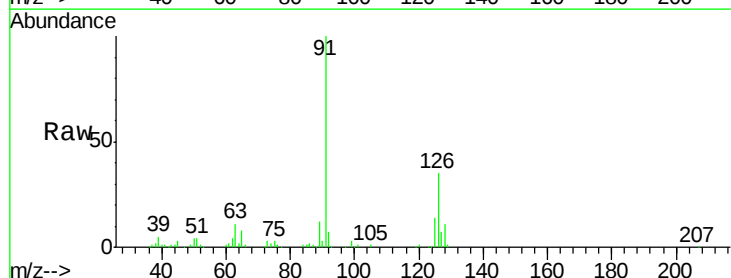
RT: 12.75 min Scan# 3413

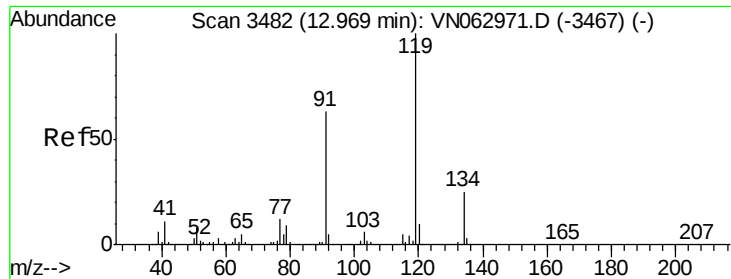
Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 140093 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 35.1  | 17.6  | 52.8   |





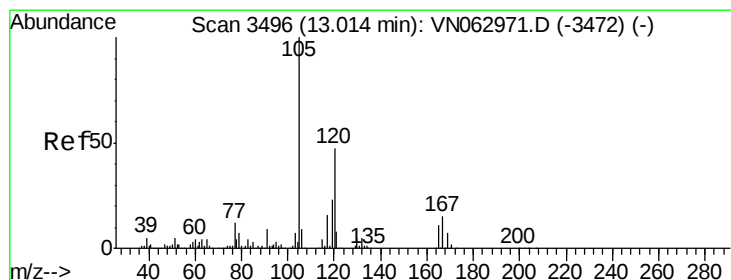
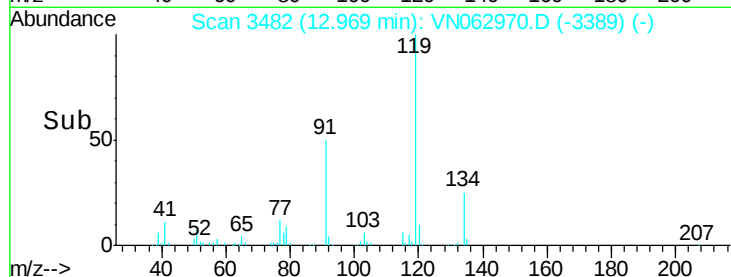
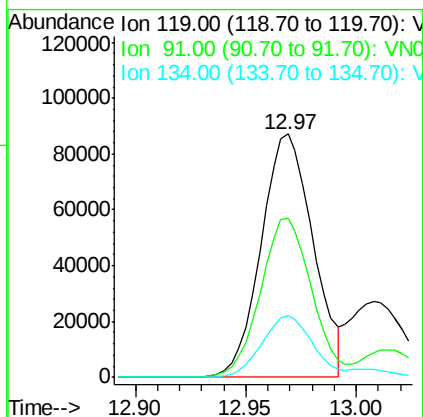
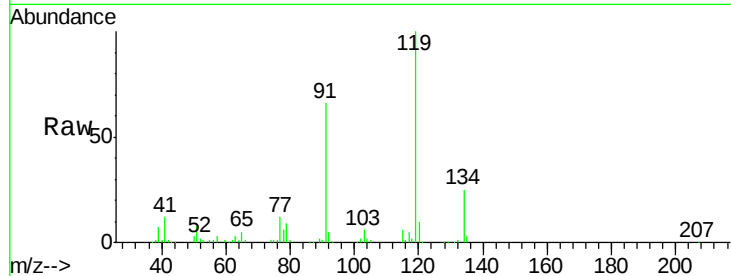
#83  
tert-Butylbenzene  
Concen: 17.921 ug/l  
RT: 12.97 min Scan# 3482  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 142588 |       |       |
| 91      | 64.2  | 31.0   | 93.0  |       |
| 134     | 24.6  | 13.3   | 39.8  |       |

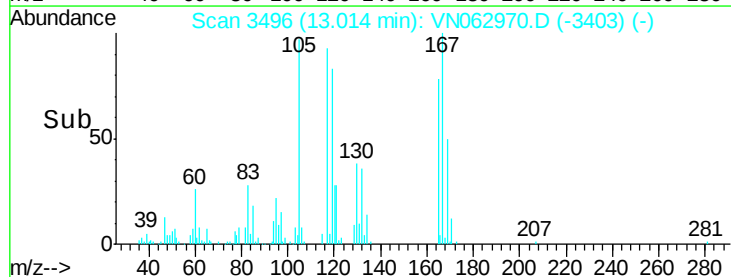
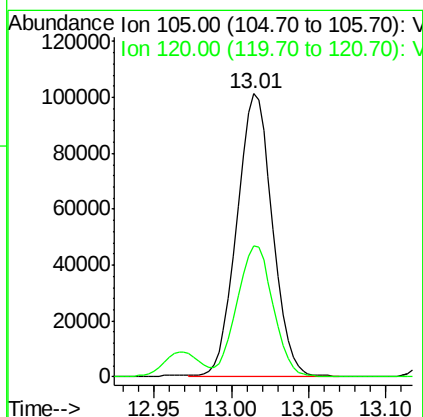
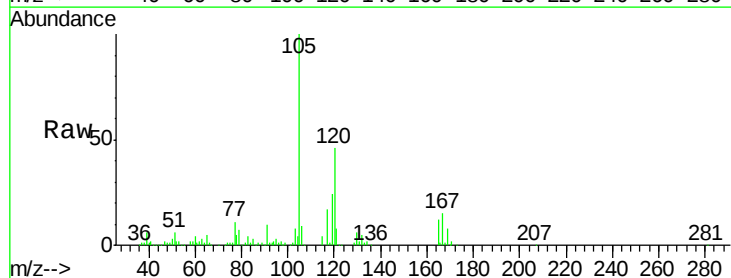
Manual Integrations  
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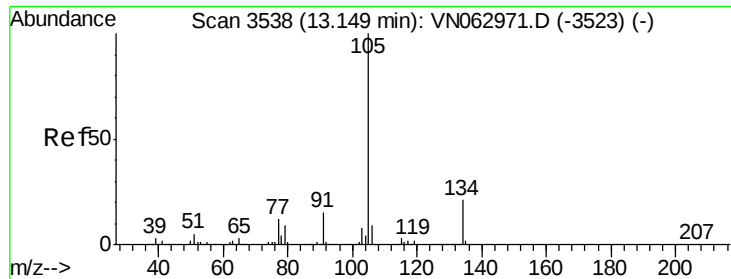
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 17.952 ug/l  
RT: 13.01 min Scan# 3496  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 160829 |       |       |
| 120     | 47.9  | 23.2   | 69.6  |       |





#85

sec-Butylbenzene

Concen: 18.403 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 192024

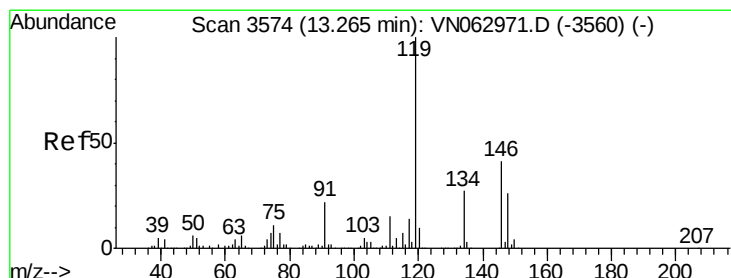
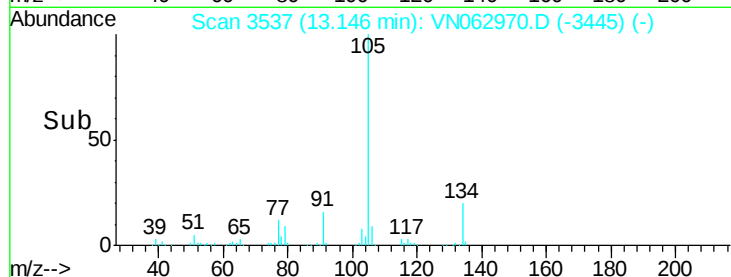
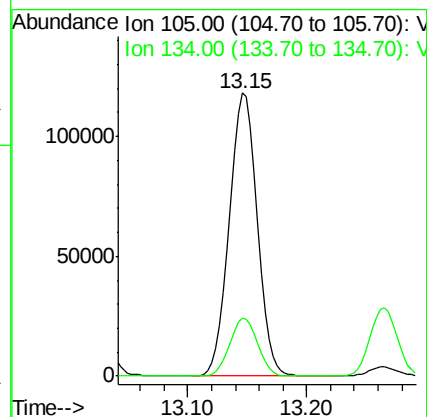
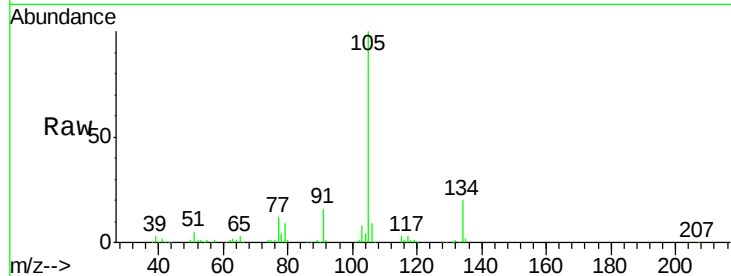
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1

Manual Integrations  
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8/18/2020 11:12:47 AM



#86

p-Isopropyltoluene

Concen: 18.025 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062970.D

Acq: 17 Aug 2020 14:14

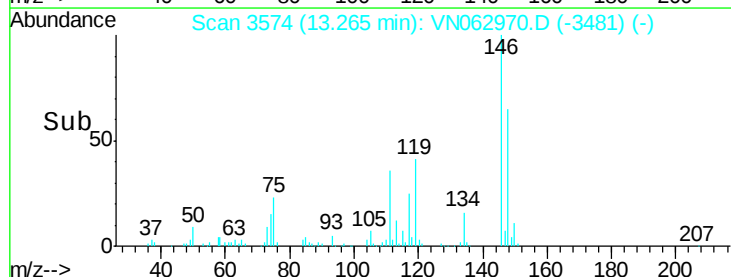
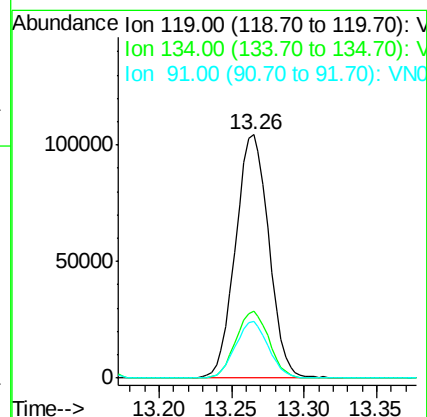
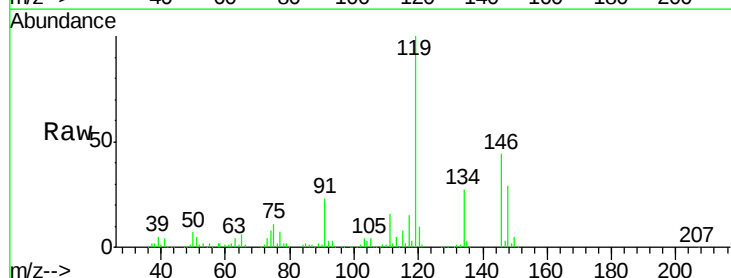
Tgt Ion:119 Resp: 167134

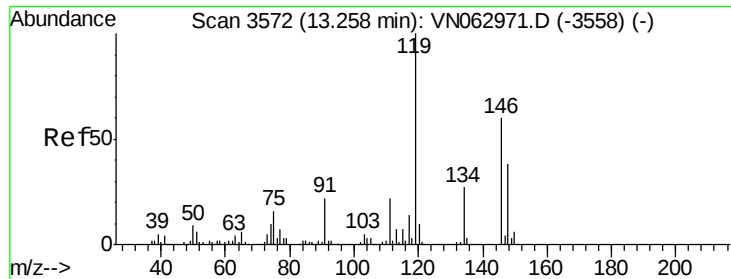
Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

91 23.1 11.1 33.1





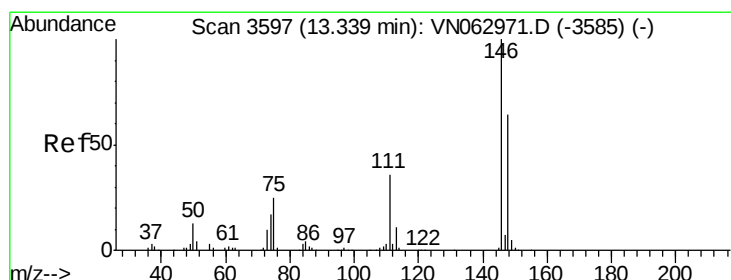
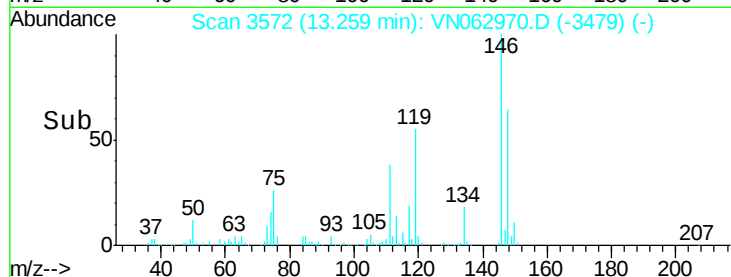
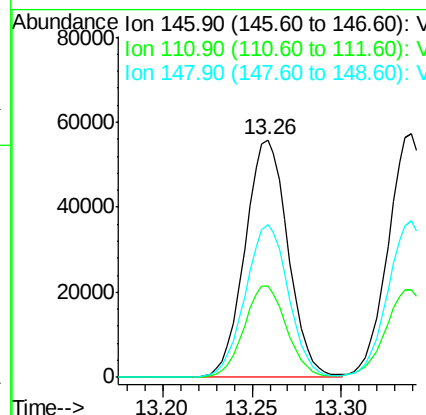
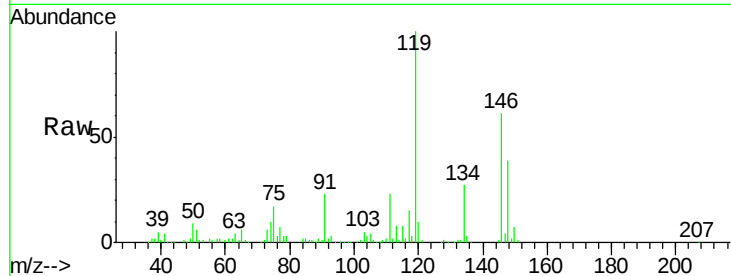
#87  
 1,3-Dichlorobenzene  
 Concen: 19.273 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 18.9  | 56.5  |
| 148     | 64.5  | 31.7  | 95.1  |

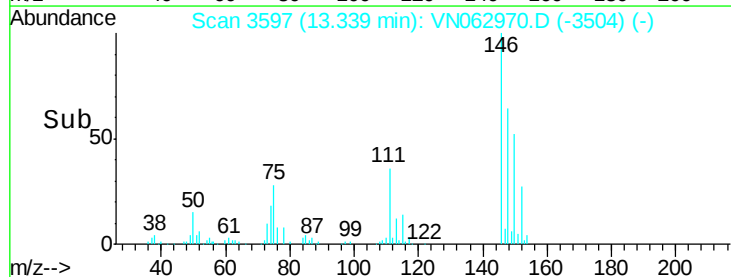
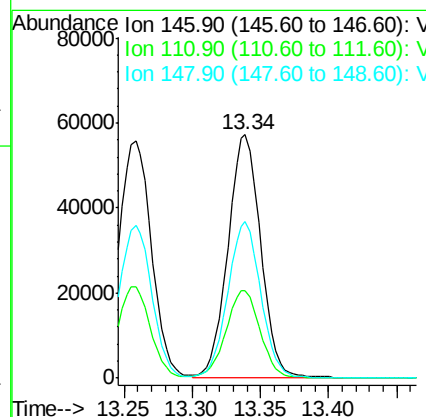
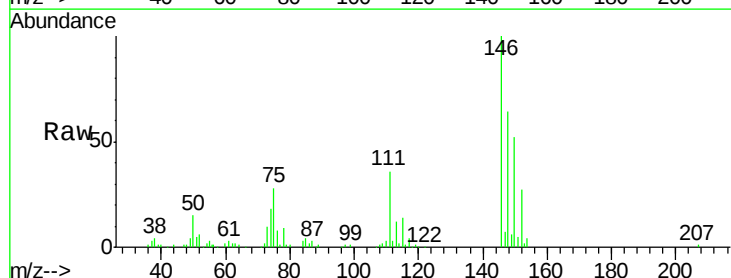
Manual Integrations  
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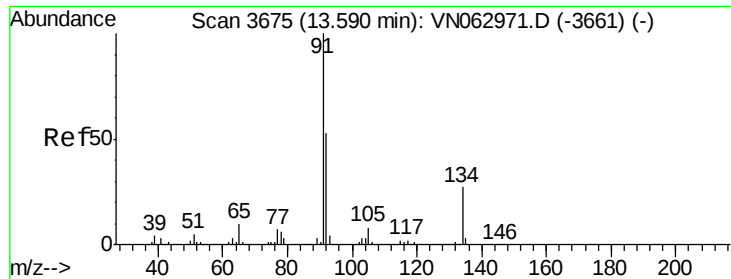
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 19.375 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 18.4  | 55.2  |
| 148     | 65.4  | 32.1  | 96.5  |





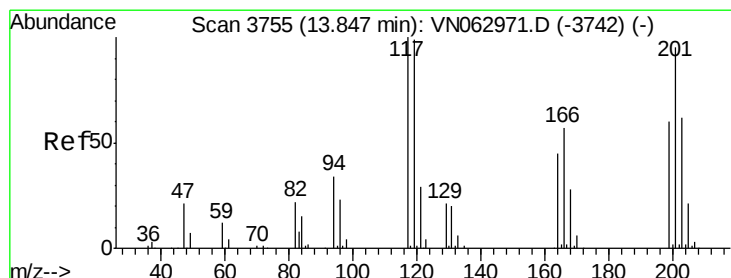
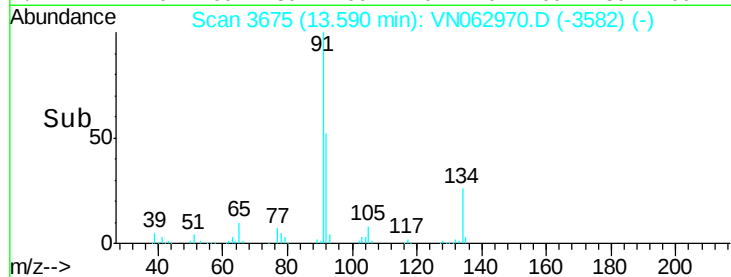
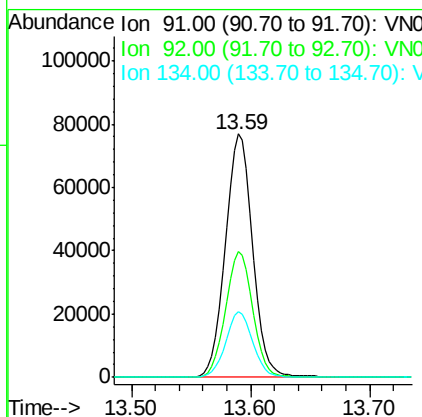
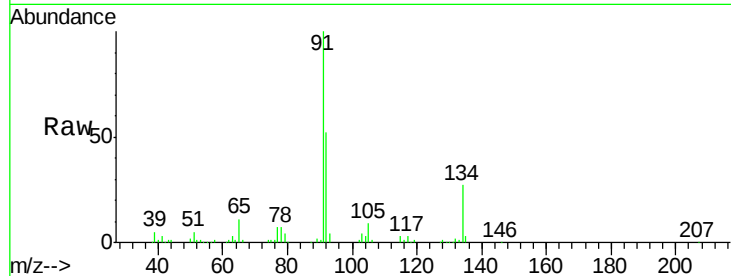
#89  
n-Butylbenzene  
Concen: 15.691 ug/l  
RT: 13.59 min Scan# 3675  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 122204 |       |       |
| 92      | 51.2 | 26.3  | 78.8   |       |       |
| 134     | 26.8 | 13.4  | 40.2   |       |       |

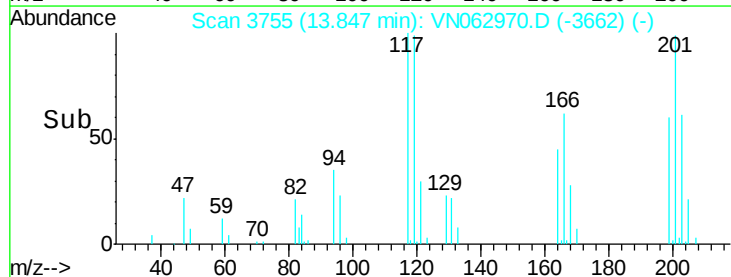
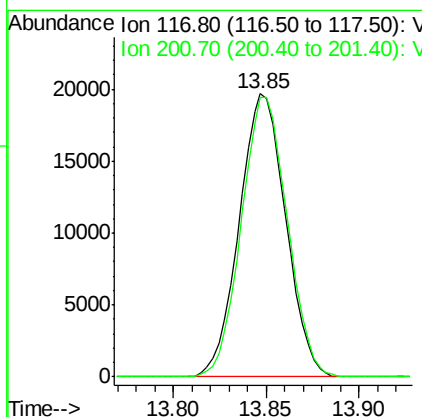
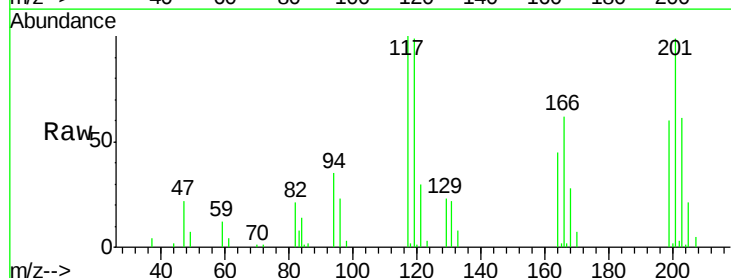
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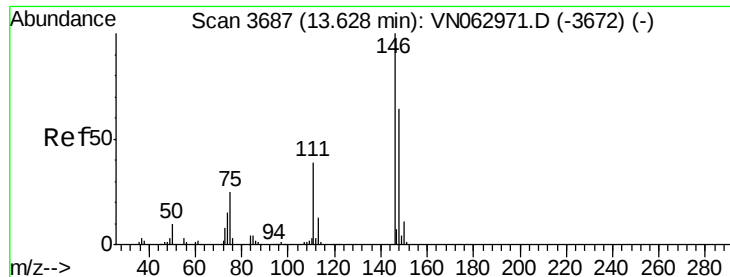
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#90  
Hexachloroethane  
Concen: 17.227 ug/l  
RT: 13.85 min Scan# 3755  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 117     | 100  |       | 34174 |       |       |
| 201     | 97.7 | 48.4  | 145.3 |       |       |





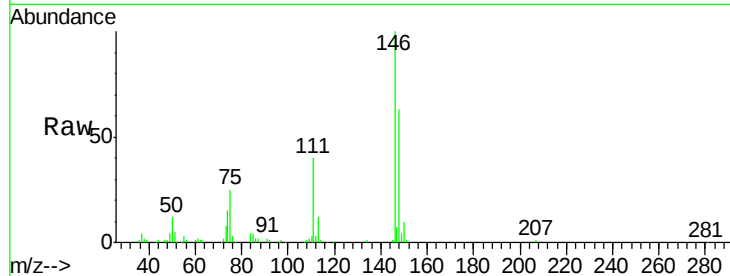
#91  
 1,2-Dichlorobenzene  
 Concen: 20.010 ug/l  
 RT: 13.63 min Scan# 3687  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

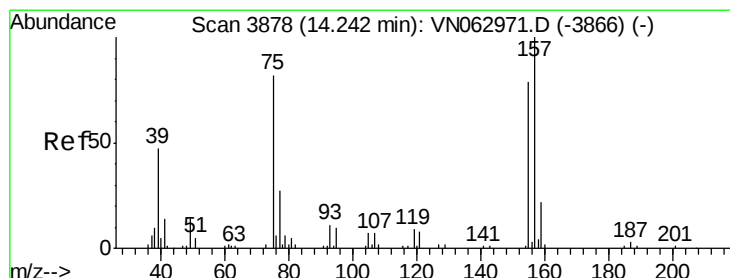
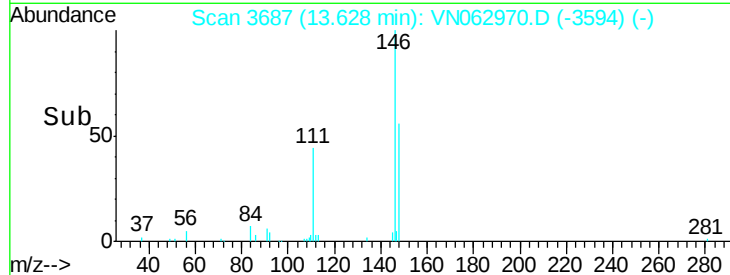
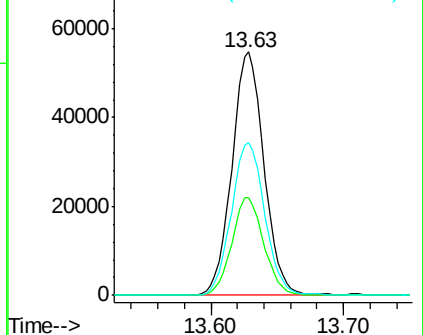
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 19.4  | 58.4  |
| 148     | 65.5  | 32.5  | 97.5  |

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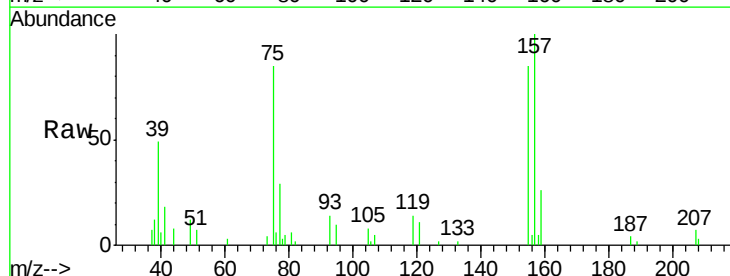


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

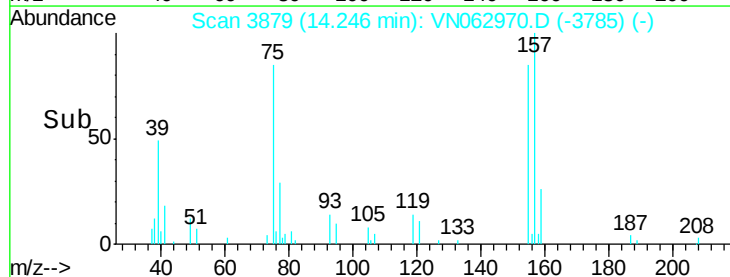
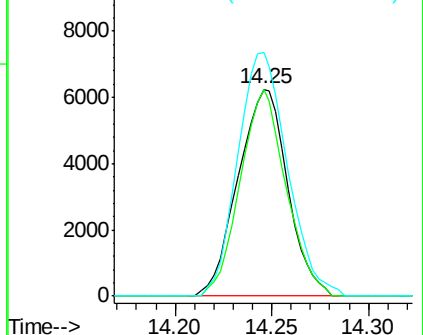


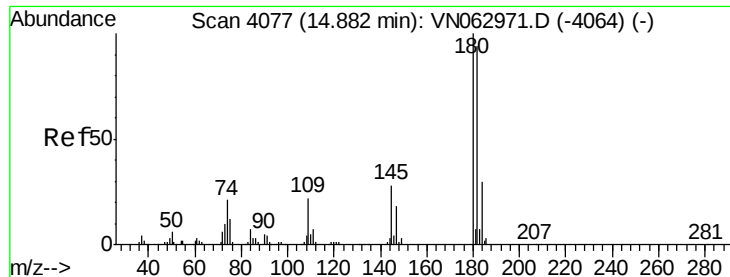
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 14.162 ug/l  
 RT: 14.25 min Scan# 3879  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.5  | 47.6  | 142.8 |
| 157     | 118.0 | 61.4  | 184.1 |



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





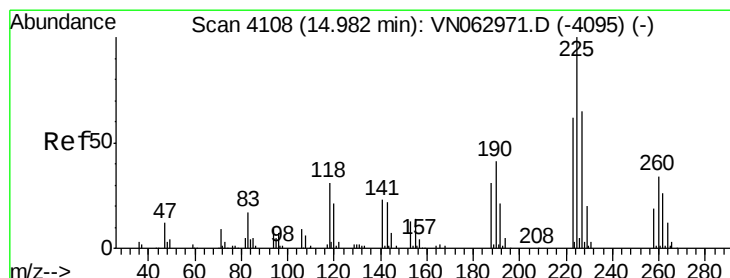
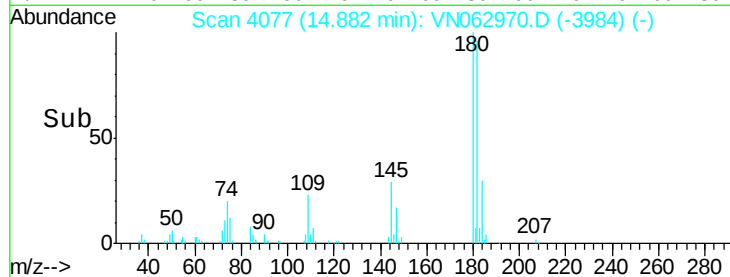
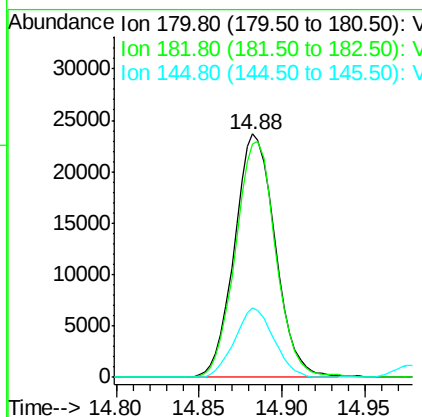
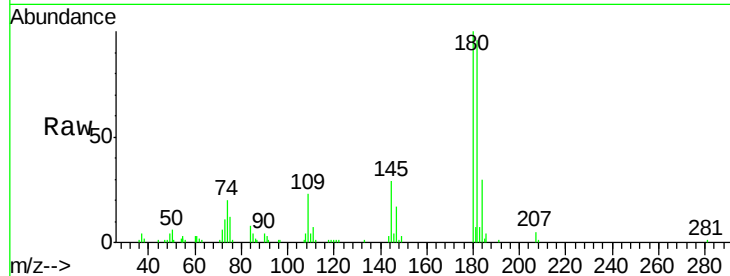
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.650 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 40556 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.9  | 47.8  | 143.3 |
| 145       | 27.3  | 13.9  | 41.7  |

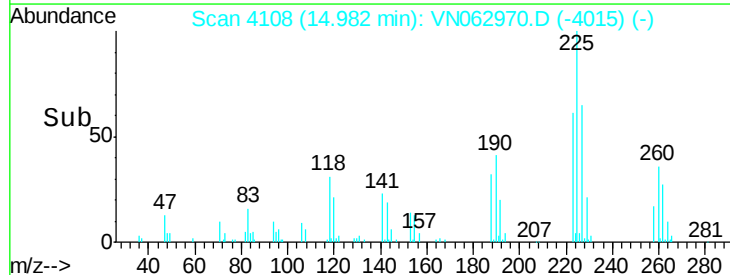
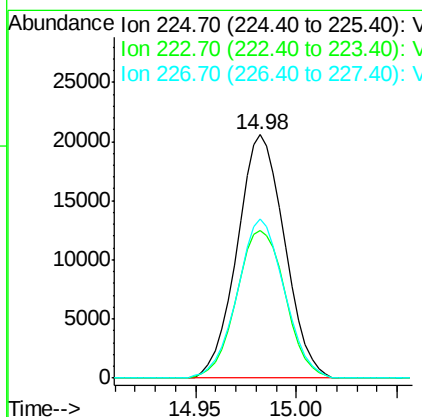
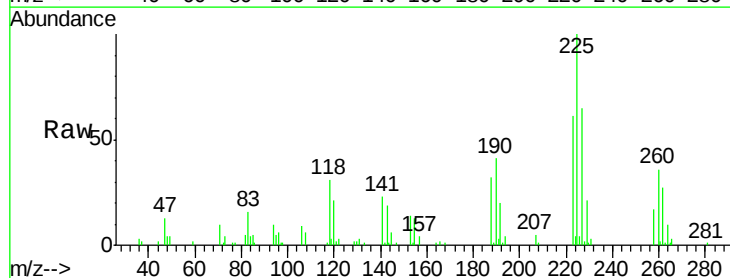
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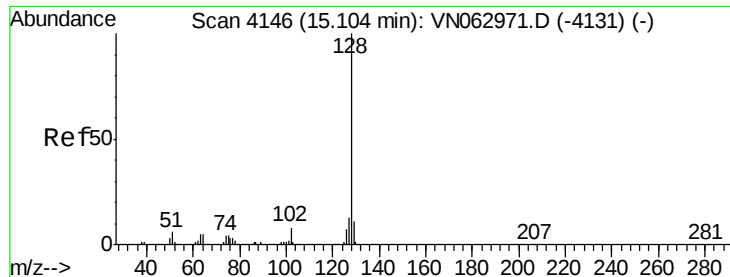
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#94  
 Hexachlorobutadiene  
 Concen: 20.762 ug/l  
 RT: 14.98 min Scan# 4108  
 Delta R.T. 0.00 min  
 Lab File: VN062970.D  
 Acq: 17 Aug 2020 14:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 33854 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.2  | 30.9  | 92.5  |
| 227       | 64.9  | 32.0  | 96.0  |





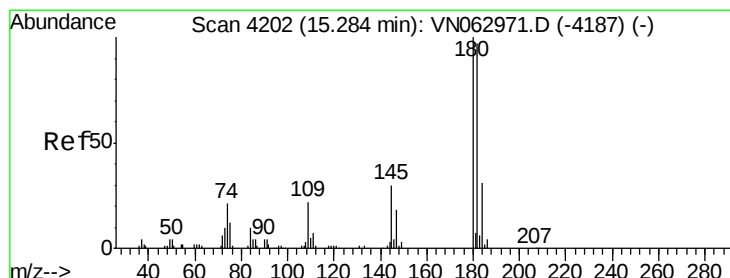
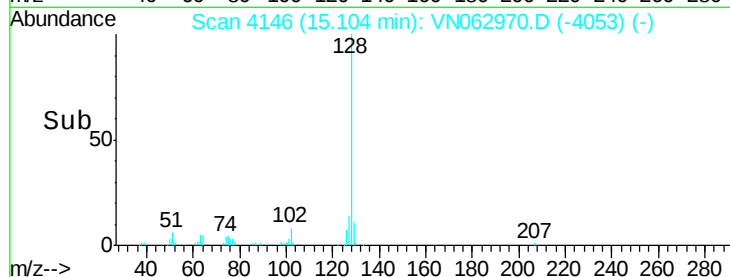
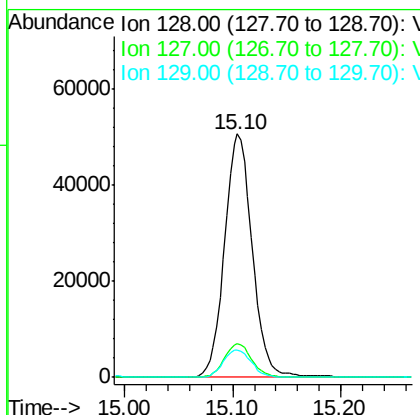
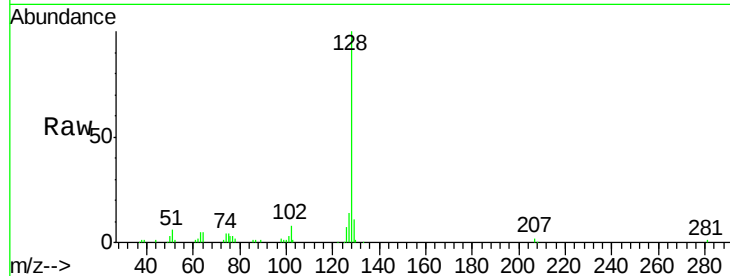
#95  
Naphthalene  
Concen: 16.241 ug/l  
RT: 15.10 min Scan# 4146  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 90645 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.6  | 10.6  | 15.8  |
| 129       | 11.3  | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.982 ug/l  
RT: 15.28 min Scan# 4202  
Delta R.T. 0.00 min  
Lab File: VN062970.D  
Acq: 17 Aug 2020 14:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 42059 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.8  | 49.3  | 147.8 |
| 145       | 29.6  | 15.0  | 45.0  |

