

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\  
 Data File : VN062457.D  
 Acq On : 9 Jul 2020 15:26  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 7/10/2020 9:24:04 AM

Quant Time: Jul 10 01:20:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N070820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 00:55:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 226446   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 384698   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 354801   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 164020   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 169326   | 48.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.22%  |      |
| 35) Dibromofluoromethane  | 7.54   | 113 | 120295   | 50.59 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.18% |      |
| 50) Toluene-d8            | 10.06  | 98  | 477180   | 50.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.66% |      |
| 62) 4-Bromofluorobenzene  | 12.38  | 95  | 179498   | 52.32 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.64% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 123840  | 53.690  | ug/l | 97     |
| 3) Chloromethane              | 2.04 | 50  | 179131  | 48.400  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.16 | 62  | 166531  | 54.921  | ug/l | 99     |
| 5) Bromomethane               | 2.52 | 94  | 68917   | 42.319  | ug/l | 96     |
| 6) Chloroethane               | 2.66 | 64  | 100713  | 57.028  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 210142  | 54.568  | ug/l | 100    |
| 8) Diethyl Ether              | 3.37 | 74  | 96929   | 56.289  | ug/l | 92     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 131745  | 57.711  | ug/l | 99     |
| 10) Methyl Iodide             | 3.91 | 142 | 109894  | 36.457  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 149425  | 258.622 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 126671  | 54.500  | ug/l | 98     |
| 13) Acrolein                  | 3.56 | 56  | 94927   | 227.756 | ug/l | 100    |
| 14) Allyl chloride            | 4.27 | 41  | 284393  | 52.027  | ug/l | 96     |
| 15) Acrylonitrile             | 4.92 | 53  | 399798  | 263.840 | ug/l | 100    |
| 16) Acetone                   | 3.77 | 43  | 437117  | 295.601 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.00 | 76  | 375154  | 51.511  | ug/l | 100    |
| 18) Methyl Acetate            | 4.27 | 43  | 183375  | 49.691  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 489139  | 55.508  | ug/l | 99     |
| 20) Methylene Chloride        | 4.50 | 84  | 158587  | 50.159  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 137464  | 54.593  | ug/l | 96     |
| 22) Diisopropyl ether         | 5.90 | 45  | 580669  | 53.767  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.84 | 43  | 2415778 | 270.031 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.79 | 63  | 302936  | 54.284  | ug/l | 100    |
| 25) 2-Butanone                | 6.78 | 43  | 582988  | 269.951 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 247436  | 57.827  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 162632  | 55.763  | ug/l | 99     |
| 28) Bromochloromethane        | 7.15 | 49  | 153721  | 50.701  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.17 | 42  | 368724  | 253.599 | ug/l | 99     |
| 30) Chloroform                | 7.33 | 83  | 281373  | 55.841  | ug/l | 99     |
| 31) Cyclohexane               | 7.61 | 56  | 268096  | 50.675  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 234032  | 55.837  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 216688  | 55.908  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.88 | 43  | 229085  | 50.548  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 199132  | 57.148  | ug/l | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 7/10/2020 9:24:04 AM

Quant Time: Jul 10 01:20:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N070820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 00:55:52 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 248113   | 59.963   | ug/l  | 97       |
| 40) Benzene                    | 8.00  | 78   | 632696   | 55.389   | ug/l  | 99       |
| 41) Methacrylonitrile          | 7.12  | 41   | 117722   | 62.172   | ug/l  | 91       |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 238376   | 56.993   | ug/l  | 100      |
| 43) Isopropyl Acetate          | 8.12  | 43   | 389955   | 54.468   | ug/l  | 98       |
| 44) Trichloroethene            | 8.80  | 130  | 146094   | 57.645   | ug/l  | 99       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 185786   | 56.027   | ug/l  | 99       |
| 46) Dibromomethane             | 9.17  | 93   | 106978   | 57.168   | ug/l  | 98       |
| 47) Bromodichloromethane       | 9.37  | 83   | 227893   | 56.962   | ug/l  | 100      |
| 48) Methyl methacrylate        | 9.17  | 41   | 191576   | 54.551   | ug/l  | 99       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 54998    | 1075.954 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 1161763  | 271.687  | ug/l  | 99       |
| 52) Toluene                    | 10.12 | 92   | 383011   | 58.050   | ug/l  | 98       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 265361   | 59.203   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 283692   | 57.364   | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 149436   | 57.586   | ug/l  | 98       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 255868   | 53.454   | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 273536   | 57.055   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 526981   | 342.303  | ug/l  | 97       |
| 59) 2-Hexanone                 | 10.72 | 43   | 864395   | 278.448  | ug/l  | 98       |
| 60) Dibromochloromethane       | 10.87 | 129  | 164078   | 58.314   | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 150501   | 57.453   | ug/l  | 99       |
| 64) Tetrachloroethene          | 10.60 | 164  | 117732   | 55.919   | ug/l  | 99       |
| 65) Chlorobenzene              | 11.41 | 112  | 395921   | 57.416   | ug/l  | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 146806   | 57.732   | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.48 | 91   | 752850   | 58.163   | ug/l  | 98       |
| 68) m/p-Xylenes                | 11.59 | 106  | 546829   | 119.338  | ug/l  | 97       |
| 69) o-Xylene                   | 11.92 | 106  | 261316   | 58.573   | ug/l  | 100      |
| 70) Styrene                    | 11.94 | 104  | 450831   | 61.143   | ug/l  | 99       |
| 71) Bromoform                  | 12.10 | 173  | 109872   | 58.940   | ug/l  | # 99     |
| 73) Isopropylbenzene           | 12.22 | 105  | 712191   | 56.112   | ug/l  | 100      |
| 74) N-amyl acetate             | 12.04 | 43   | 352145   | 57.003   | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 228591   | 53.565   | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 199525m  | 49.578   | ug/l  |          |
| 77) Bromobenzene               | 12.50 | 156  | 160625   | 55.667   | ug/l  | 97       |
| 78) n-propylbenzene            | 12.57 | 91   | 850260   | 57.350   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 503816   | 55.991   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 602222   | 57.879   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 77420    | 51.490   | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 530853   | 58.111   | ug/l  | 100      |
| 83) tert-Butylbenzene          | 12.97 | 119  | 501469   | 56.793   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 607744   | 58.764   | ug/l  | 99       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 683448   | 58.412   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 606131   | 60.022   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 296195   | 59.503   | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 290911   | 56.797   | ug/l  | 99       |
| 89) n-Butylbenzene             | 13.59 | 91   | 551788   | 61.883   | ug/l  | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 109320   | 55.031   | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 279346   | 58.041   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 42860    | 55.034   | ug/l  | 99       |

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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N070820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 10 00:55:52 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 145927   | 54.912 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 76525    | 59.884 | ug/l  | 99       |
| 95) Naphthalene            | 15.10 | 128  | 383190   | 59.620 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 142571   | 54.691 | ug/l  | 99       |

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

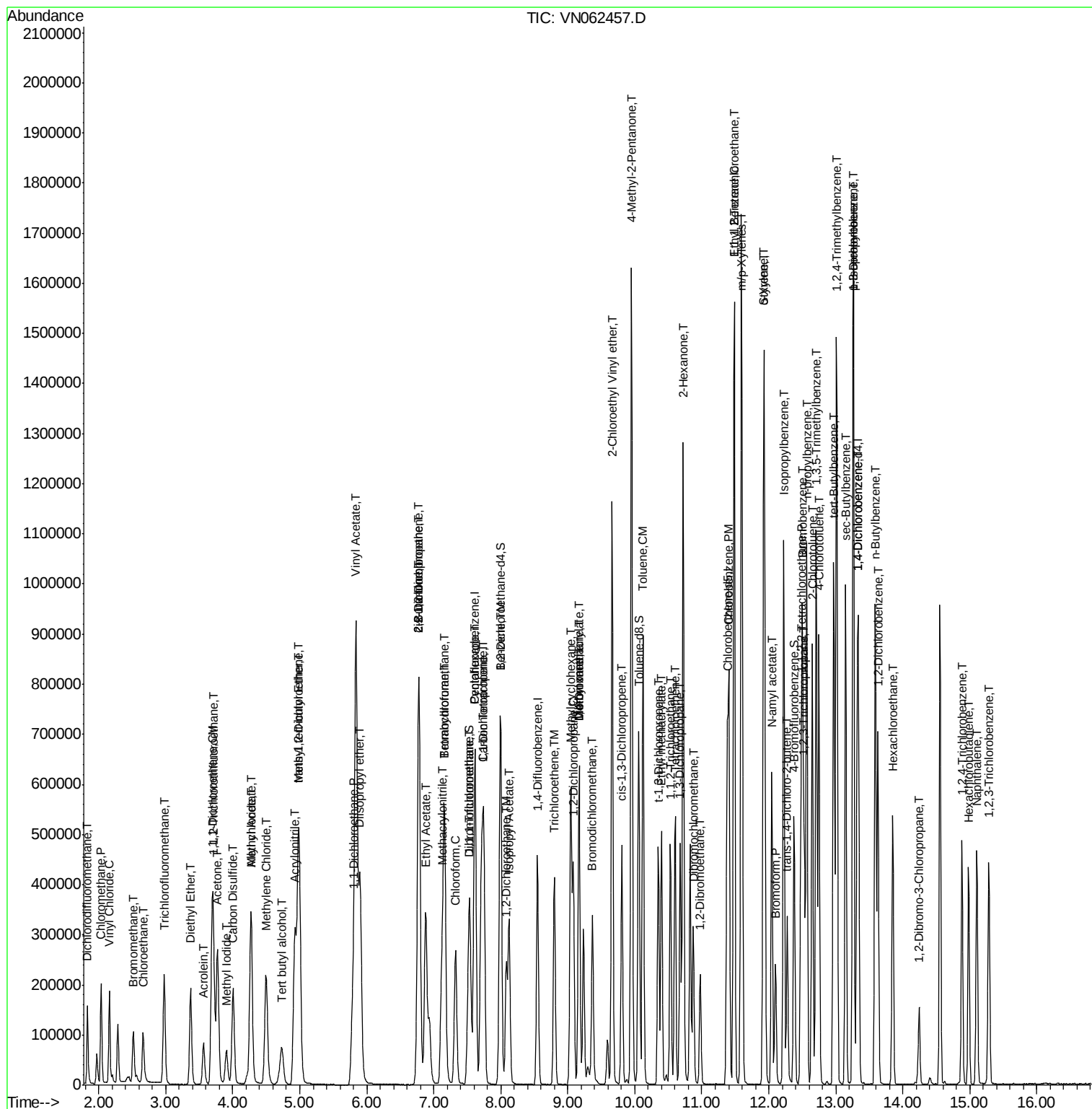
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Data File : VN062457.D  
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ALS Vial : 13 Sample Multiplier: 1

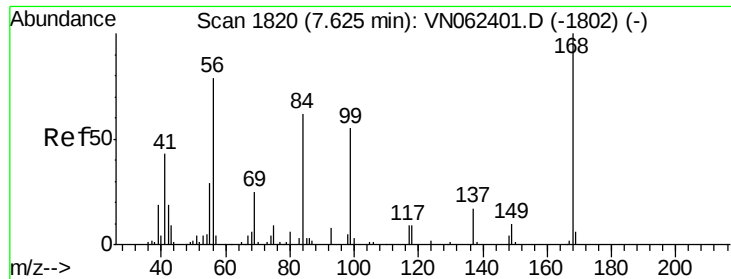
Instrument :  
MSVOA\_N  
Client Sample Id :  
VSTDCCC050

Manual Integrations  
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MMDadoda  
7/10/2020 9:24:04 AM

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Quant Title : SW846 8260  
QLast Update : Fri Jul 10 00:55:52 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 226446

Ion Ratio Lower Upper

168 100

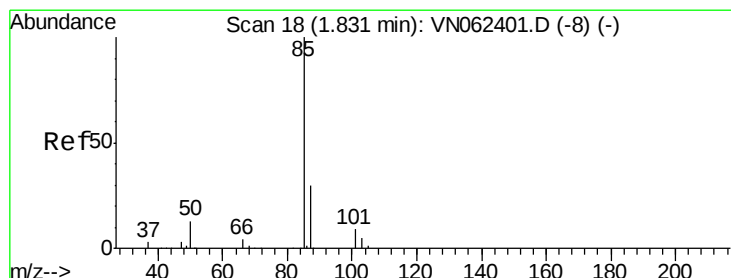
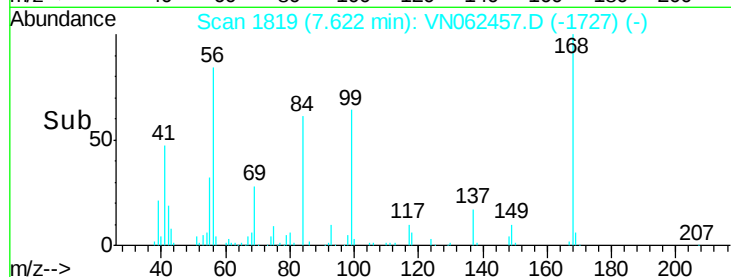
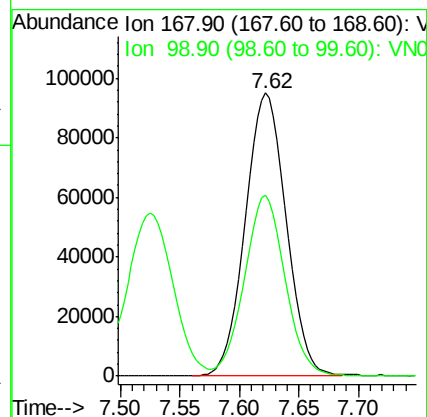
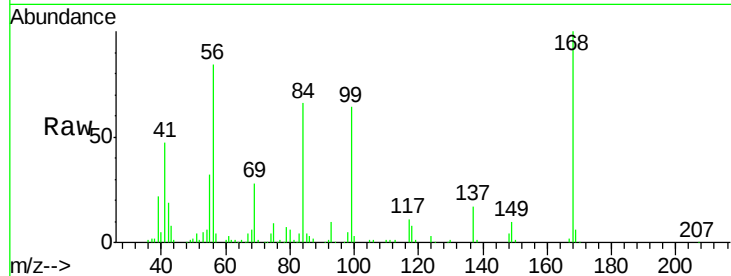
99 63.4 48.8 73.2

Manual Integrations

APPROVED

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7/10/2020 9:24:04 AM



#2

Dichlorodifluoromethane

Concen: 53.690 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062457.D

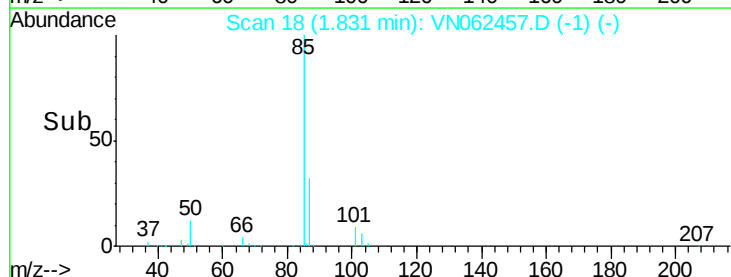
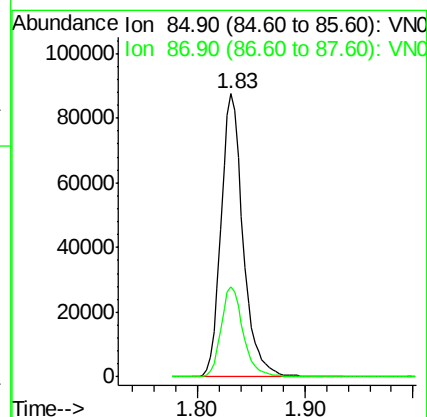
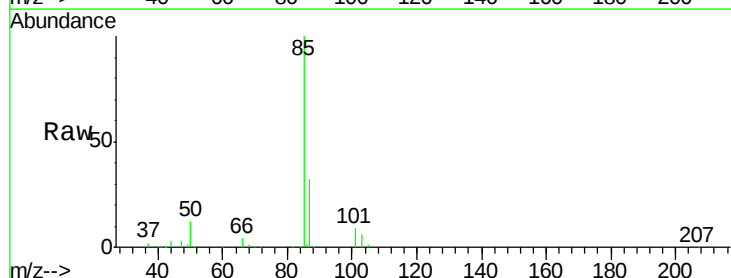
Acq: 9 Jul 2020 15:26

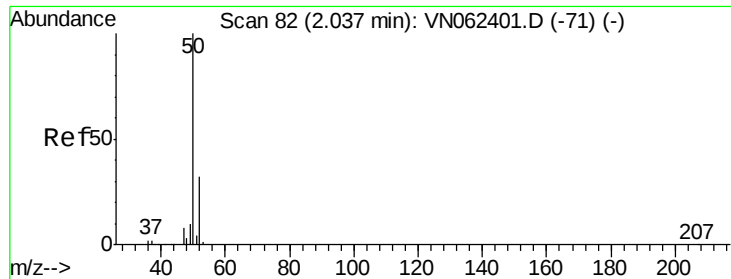
Tgt Ion: 85 Resp: 123840

Ion Ratio Lower Upper

85 100

87 32.0 15.2 45.5





#3

Chloromethane

Concen: 48.400 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 179131

Ion Ratio Lower Upper

50 100

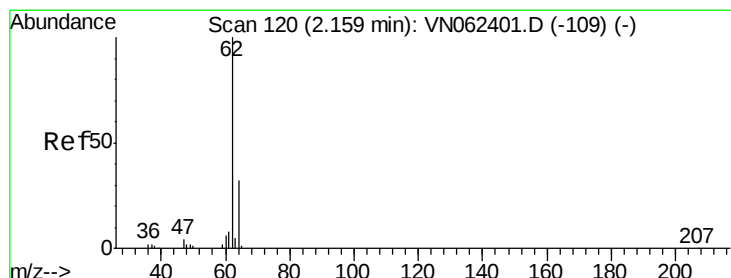
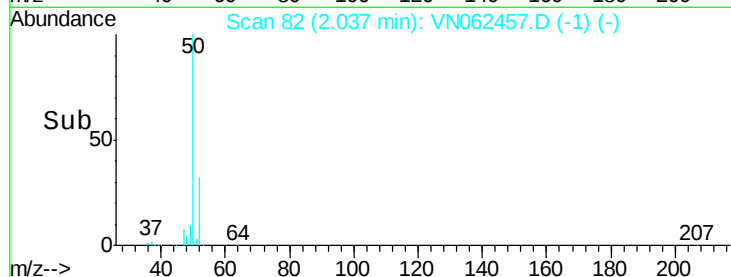
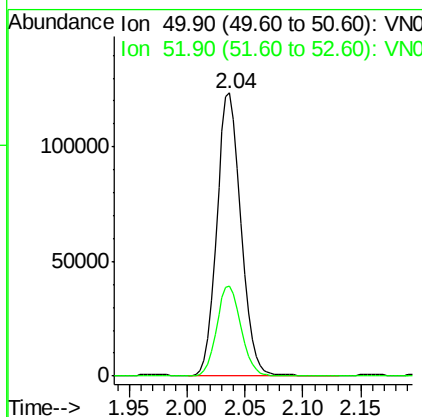
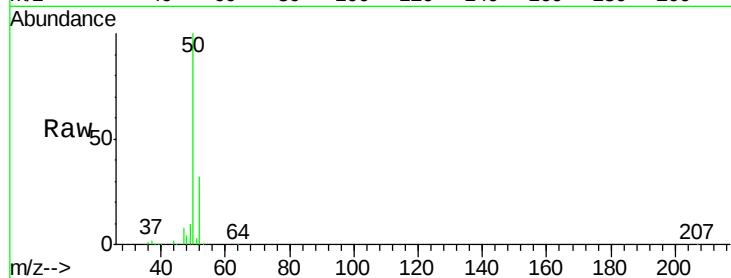
52 31.9 25.5 38.3

Manual Integrations

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7/10/2020 9:24:04 AM



#4

Vinyl Chloride

Concen: 54.921 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062457.D

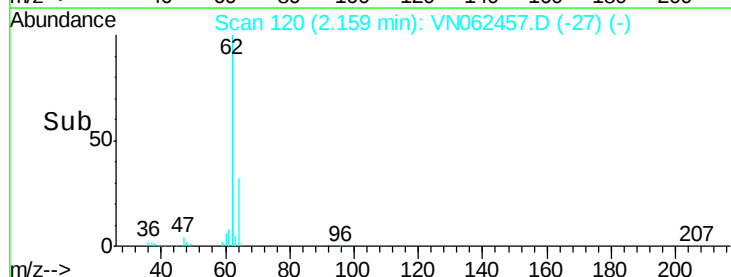
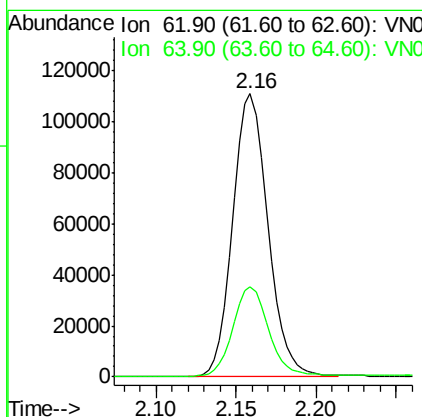
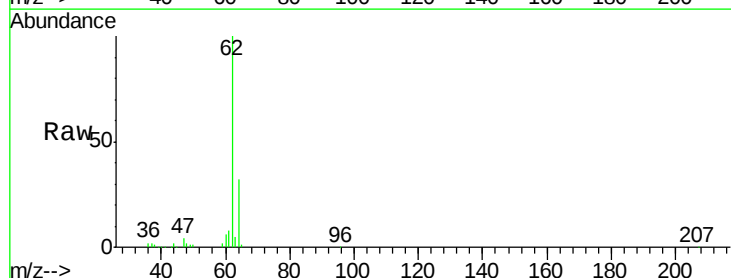
Acq: 9 Jul 2020 15:26

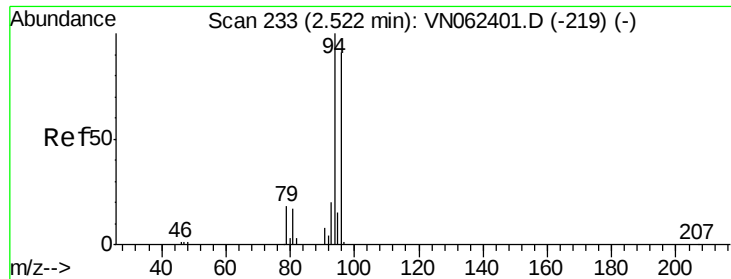
Tgt Ion: 62 Resp: 166531

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 42.319 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 68917

Ion Ratio Lower Upper

94 100

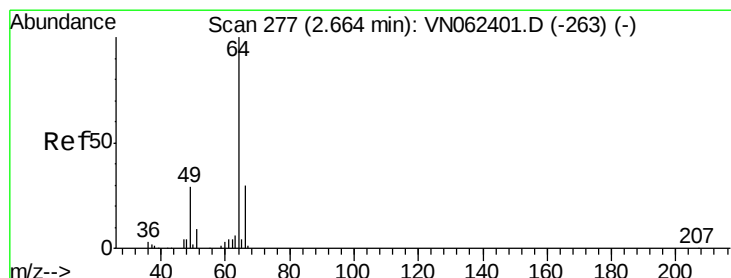
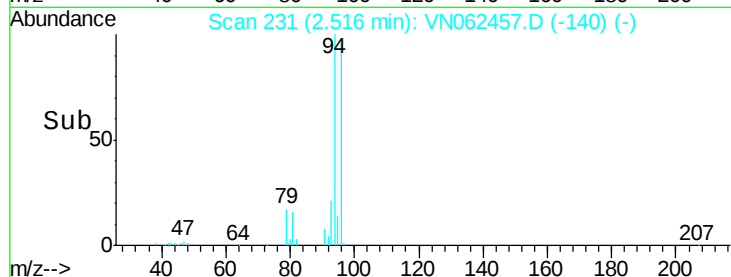
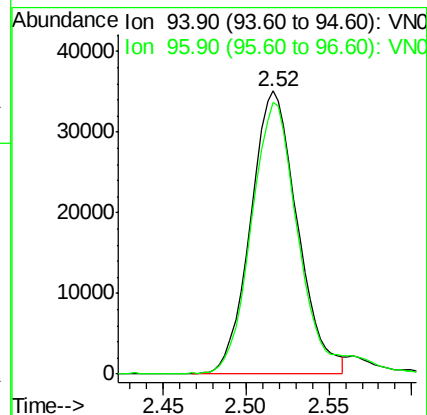
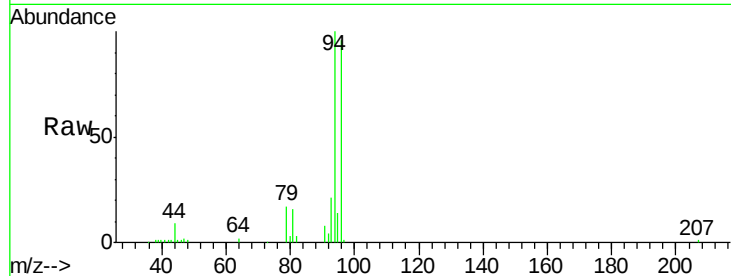
96 95.6 73.2 109.8

Manual Integrations

APPROVED

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7/10/2020 9:24:04 AM



#6

Chloroethane

Concen: 57.028 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062457.D

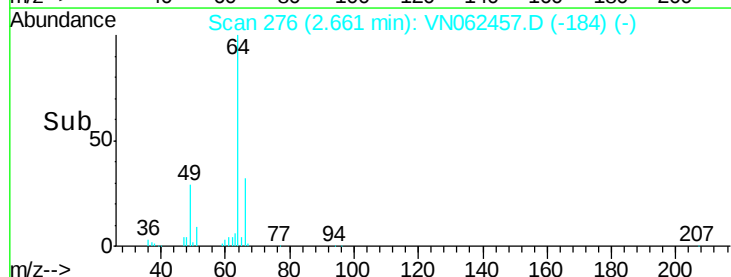
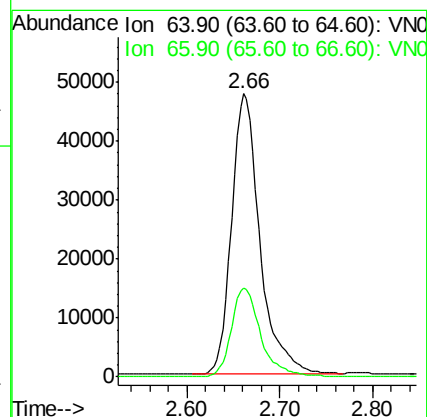
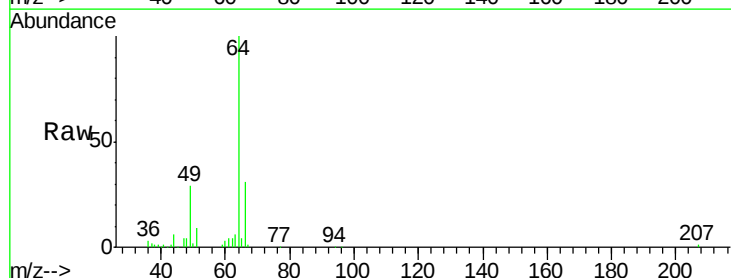
Acq: 9 Jul 2020 15:26

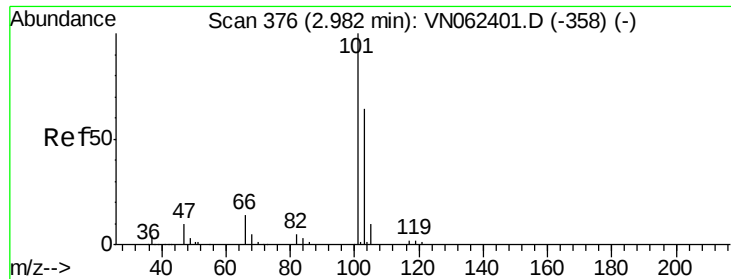
Tgt Ion: 64 Resp: 100713

Ion Ratio Lower Upper

64 100

66 31.8 24.2 36.2





#7

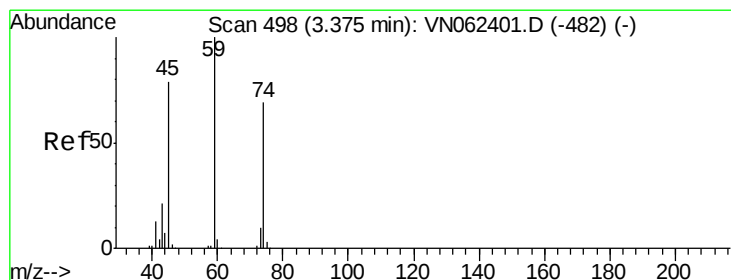
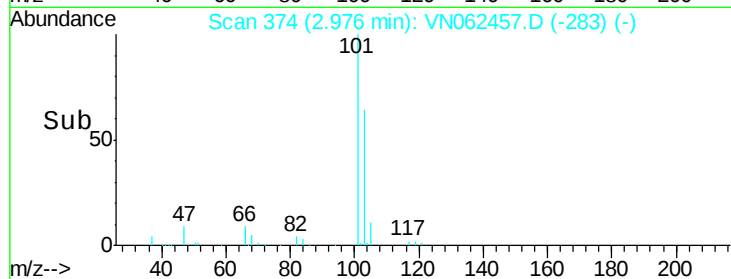
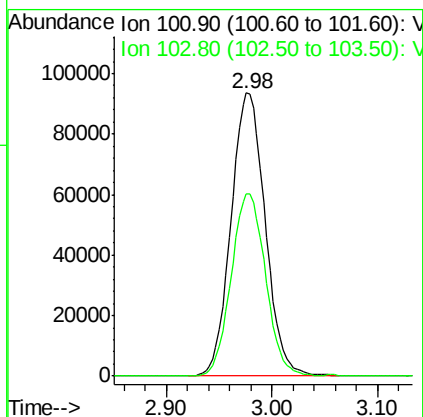
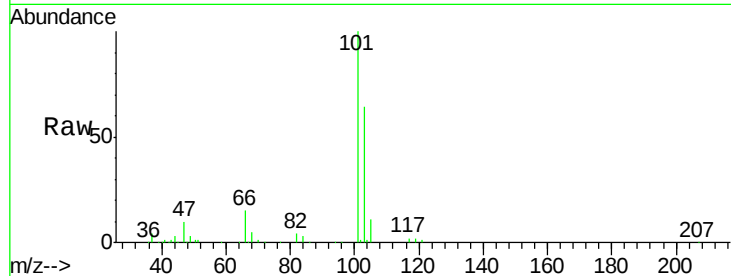
Trichlorofluoromethane  
 Concen: 54.568 ug/l  
 RT: 2.98 min Scan# 374  
 Delta R.T. -0.01 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.5  | 51.6  | 77.4  |

Manual Integrations  
 APPROVED

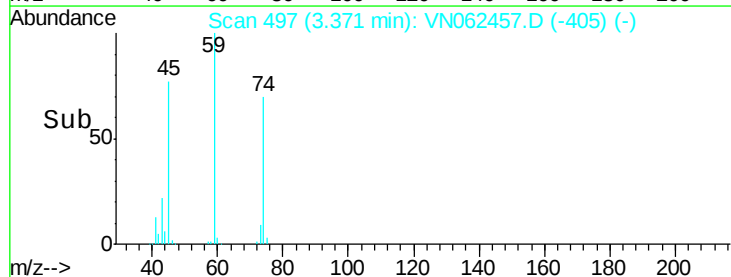
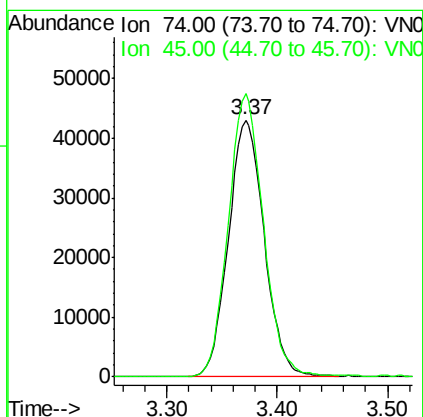
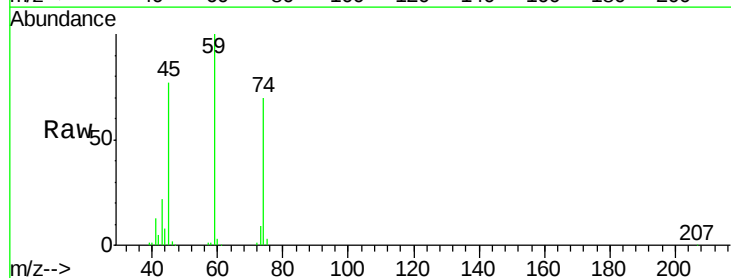
MMDadoda  
 7/10/2020 9:24:04 AM

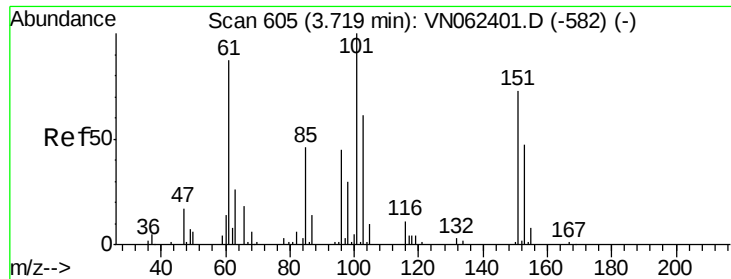


#8

Diethyl Ether  
 Concen: 56.289 ug/l  
 RT: 3.37 min Scan# 497  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 108.0 | 58.5  | 175.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.711 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

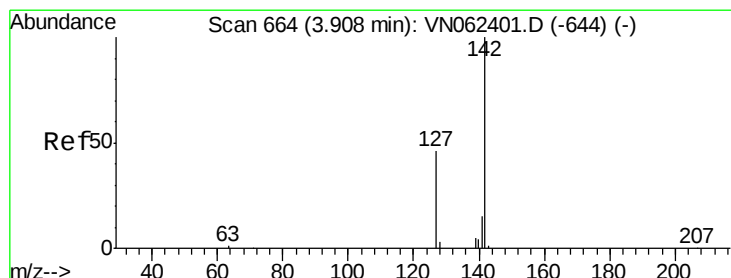
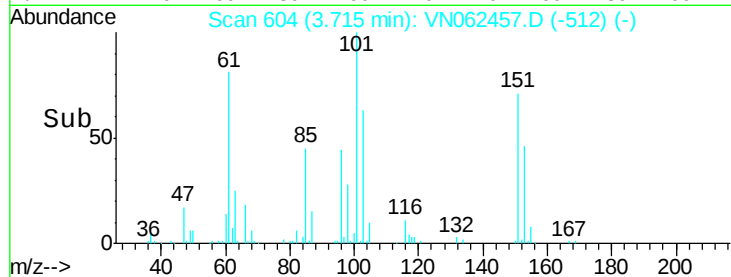
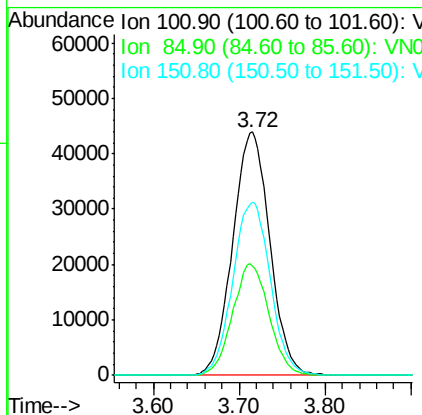
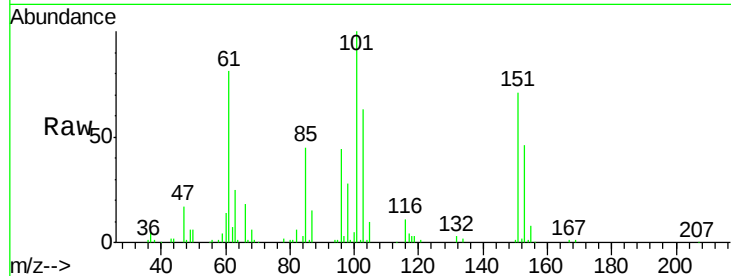
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 131745 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.9  | 36.7  | 55.1   |
| 151       | 71.9  | 58.3  | 87.5   |

Manual Integrations  
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MMDadoda  
7/10/2020 9:24:04 AM



#10

Methyl Iodide

Concen: 36.457 ug/l

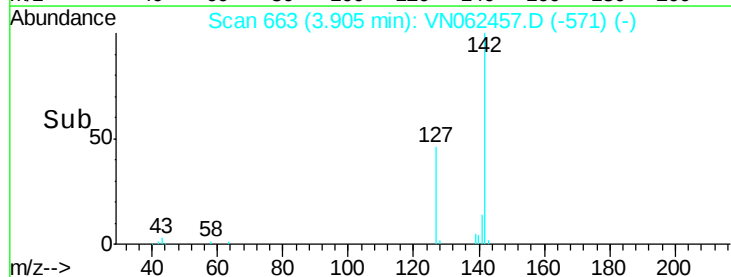
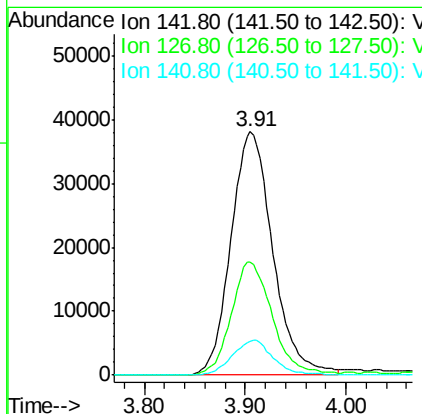
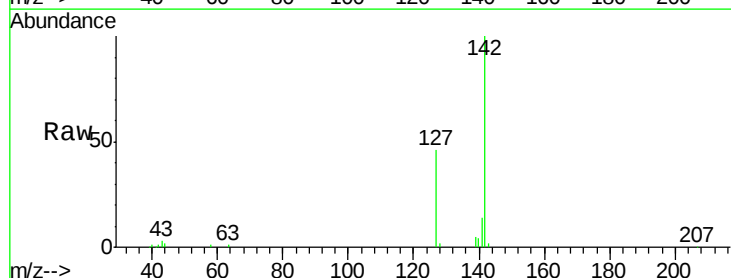
RT: 3.91 min Scan# 663

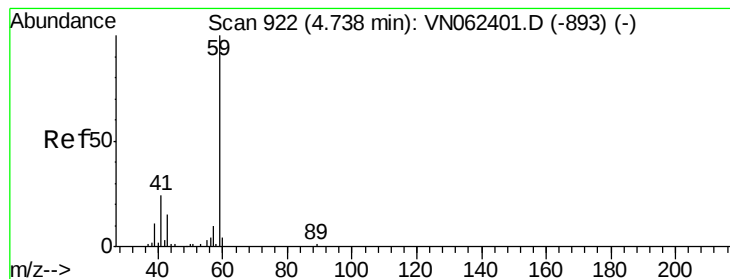
Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 109894 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 45.5  | 36.1  | 54.1   |
| 141       | 13.9  | 11.4  | 17.0   |





#11

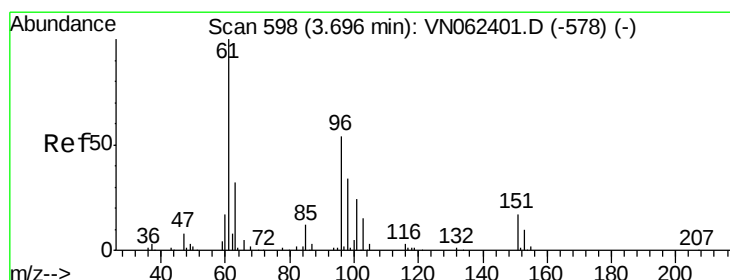
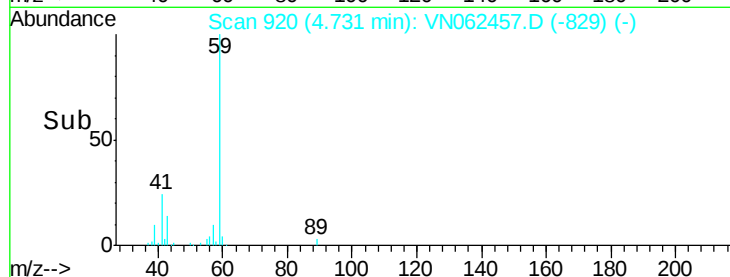
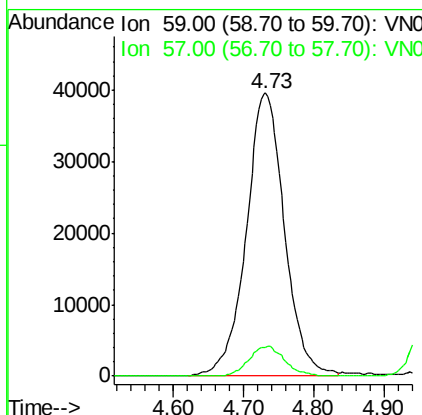
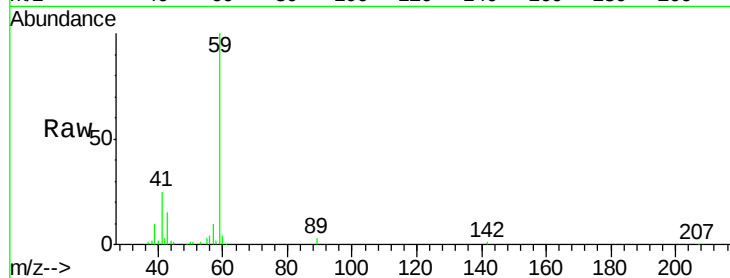
Tert butyl alcohol  
 Concen: 258.622 ug/l  
 RT: 4.73 min Scan# 920  
 Delta R.T. -0.01 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 59      | 100   | 149425 |       |       |
| 57      | 9.9   |        | 7.8   | 11.6  |

Manual Integrations  
 APPROVED

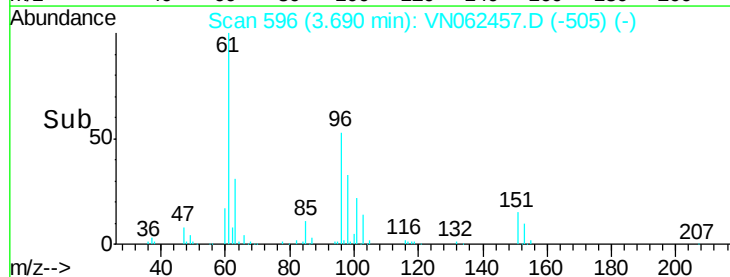
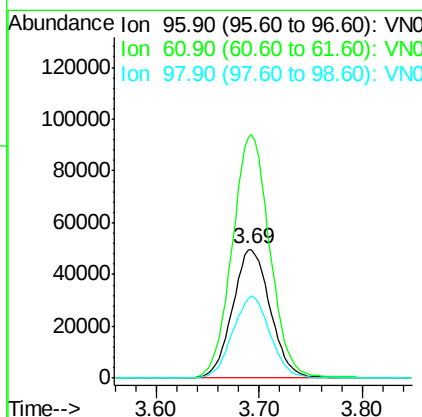
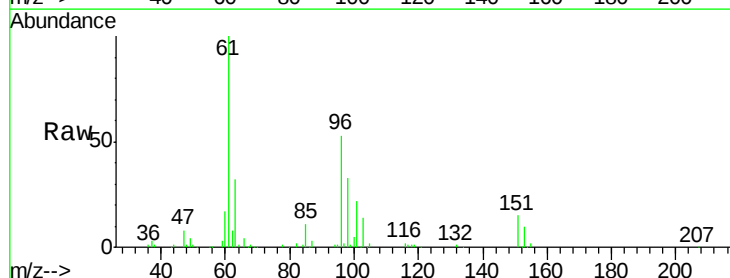
MMDadoda  
 7/10/2020 9:24:04 AM

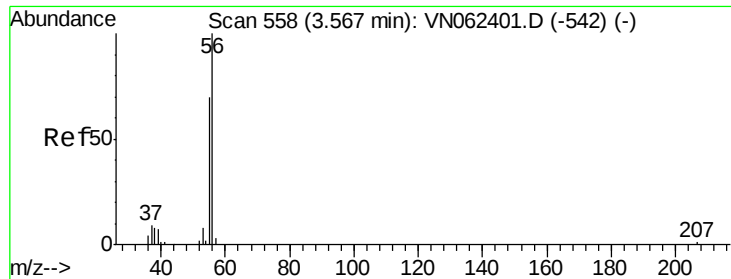


#12

1,1-Dichloroethene  
 Concen: 54.500 ug/l  
 RT: 3.69 min Scan# 596  
 Delta R.T. -0.01 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 126671 |       |       |
| 61      | 187.1 |        | 147.4 | 221.0 |
| 98      | 62.1  |        | 50.4  | 75.6  |





#13

Acrolein

Concen: 227.756 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 94927

Ion Ratio Lower Upper

56 100

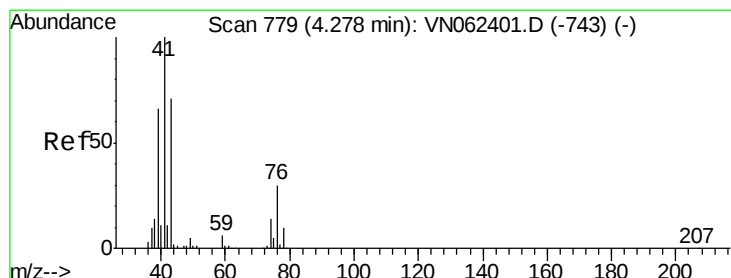
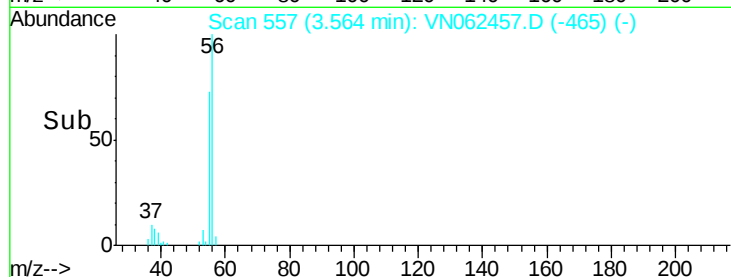
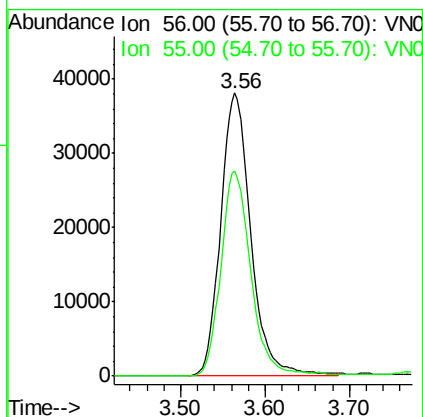
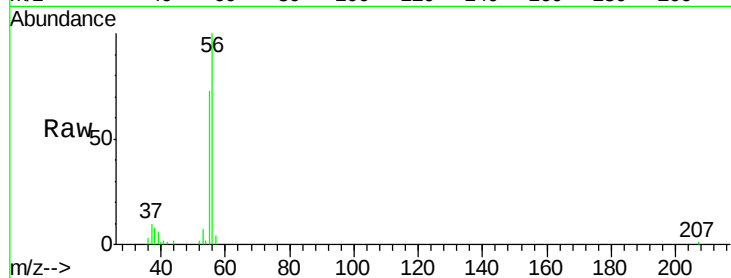
55 71.7 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 52.027 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

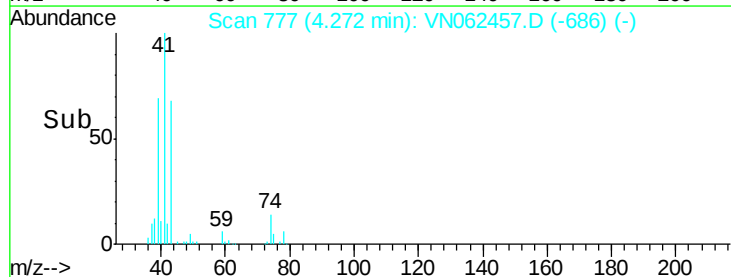
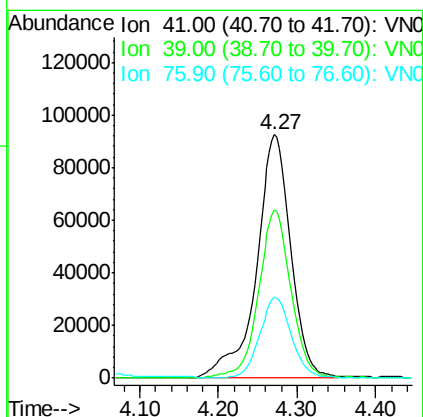
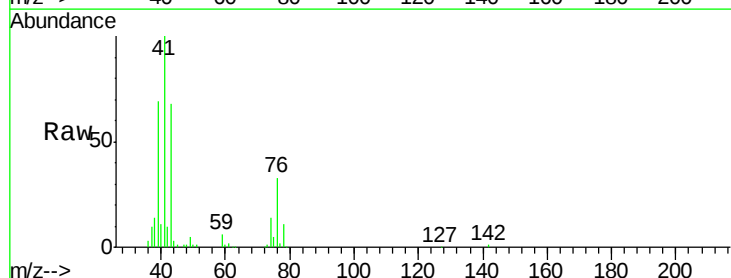
Tgt Ion: 41 Resp: 284393

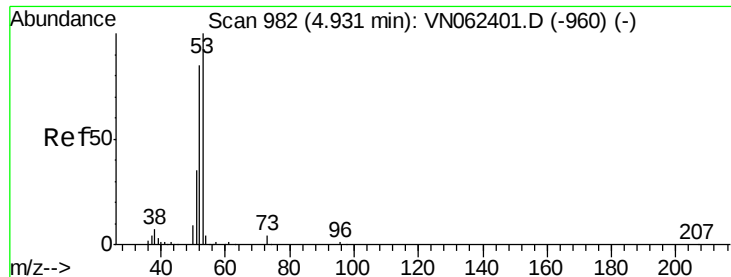
Ion Ratio Lower Upper

41 100

39 65.0 49.6 74.4

76 29.9 22.2 33.4





#15

Acrylonitrile

Concen: 263.840 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

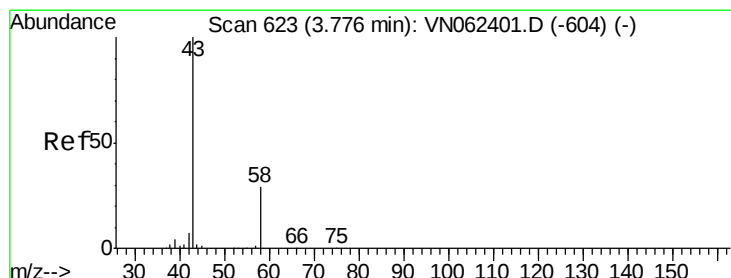
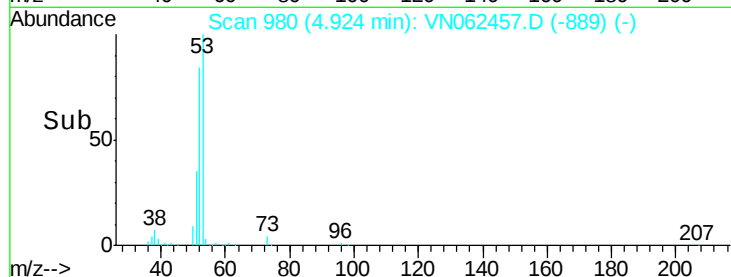
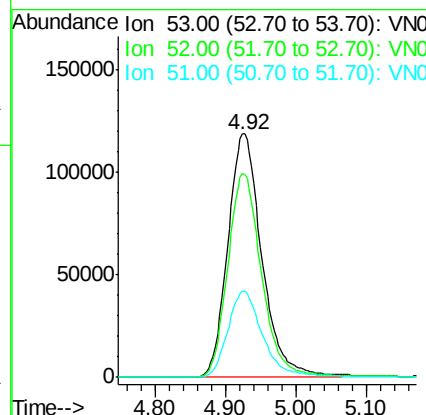
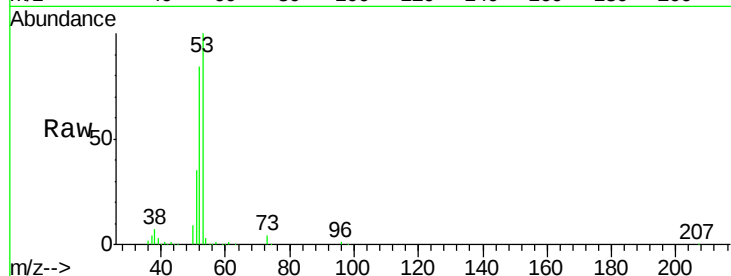
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 399798 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.9  | 66.2  | 99.4   |
| 51       | 36.3  | 28.7  | 43.1   |

Manual Integrations  
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#16

Acetone

Concen: 295.601 ug/l

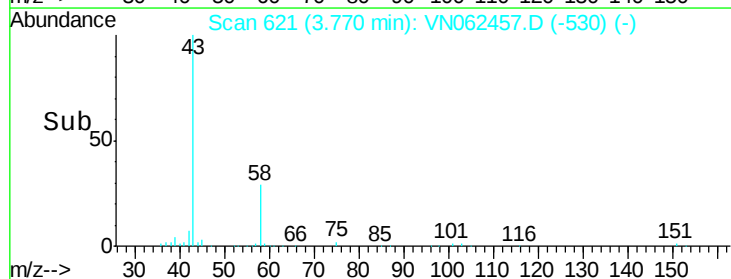
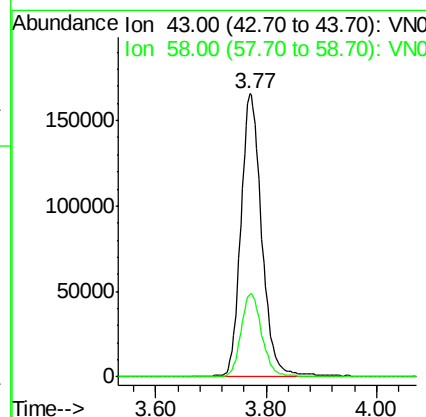
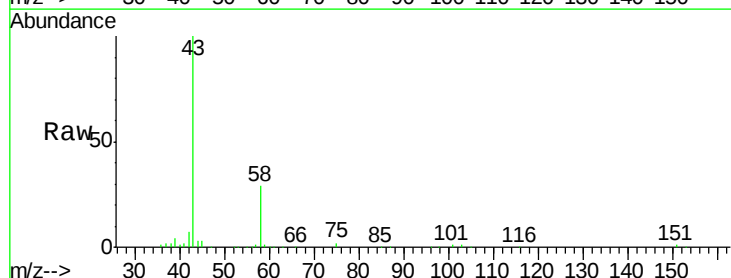
RT: 3.77 min Scan# 621

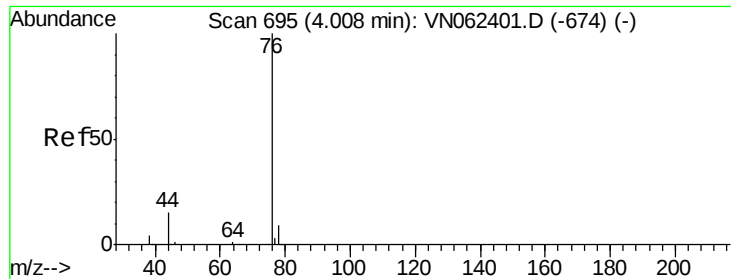
Delta R.T. -0.01 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 437117 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.2  | 23.5  | 35.3   |





#17

Carbon Disulfide

Concen: 51.511 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 375154

Ion Ratio Lower Upper

76 100

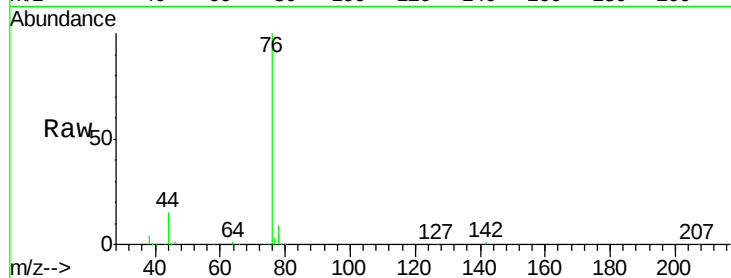
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

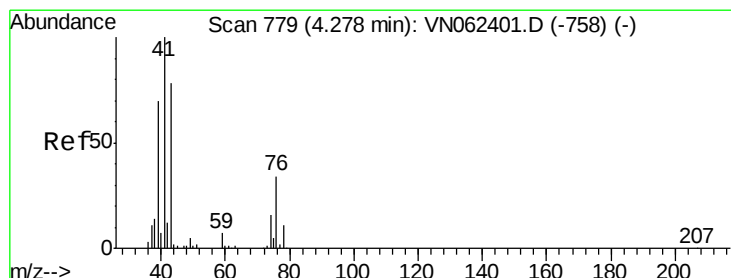
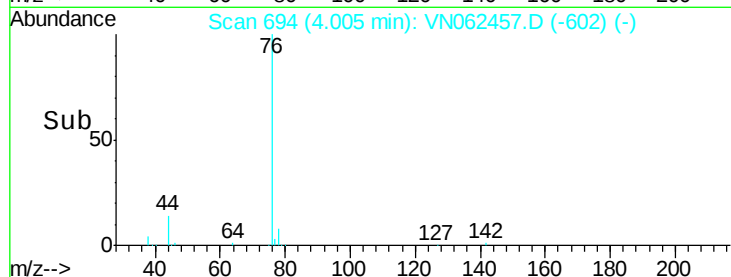
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.691 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062457.D

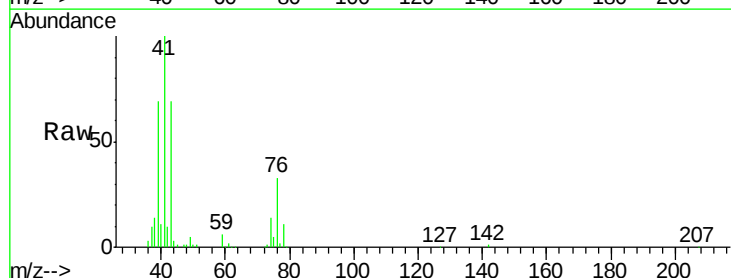
Acq: 9 Jul 2020 15:26

Tgt Ion: 43 Resp: 183375

Ion Ratio Lower Upper

43 100

74 20.7 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.27

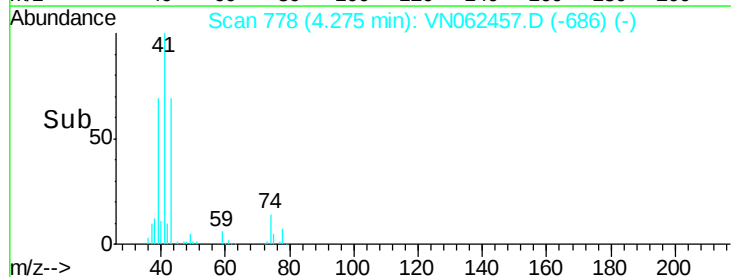
60000

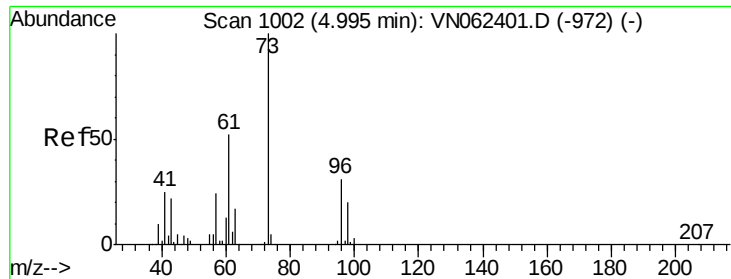
40000

20000

0

Time-->





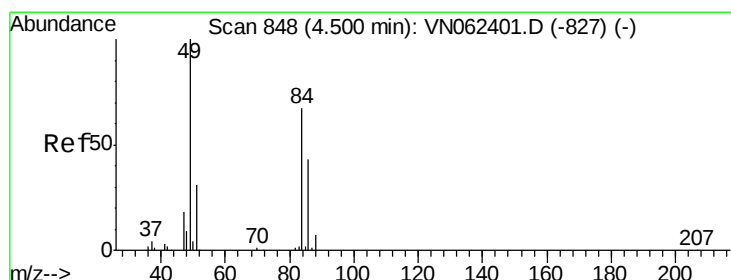
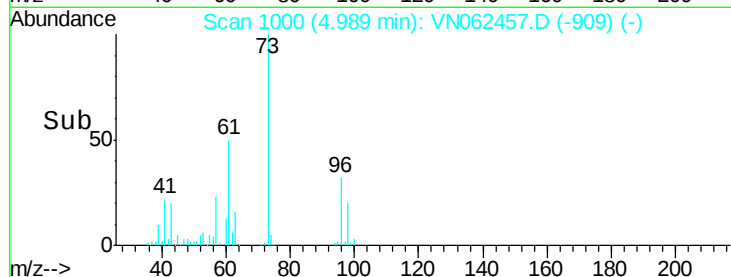
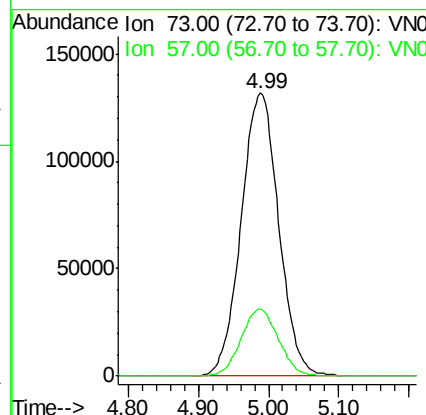
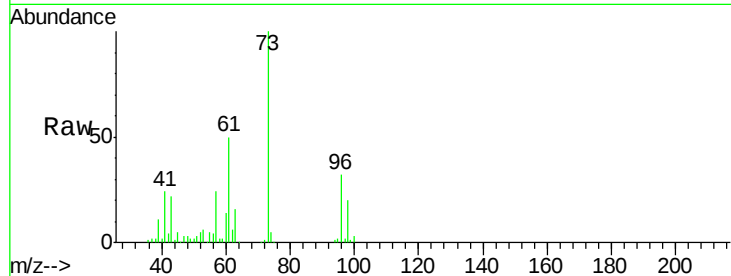
#19  
Methvl tert-butvl Ether  
Concen: 55.508 ug/l  
RT: 4.99 min Scan# 1000  
Delta R.T. -0.01 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 489139  
Ion Ratio Lower Upper  
73 100  
57 23.8 19.4 29.0

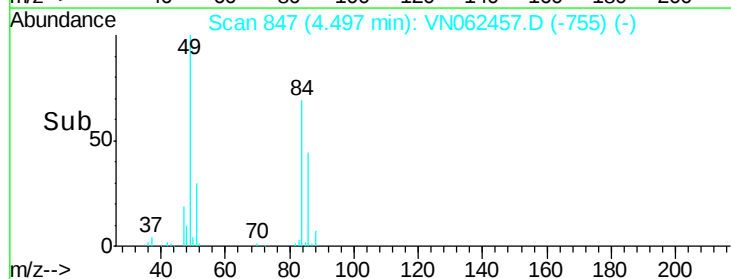
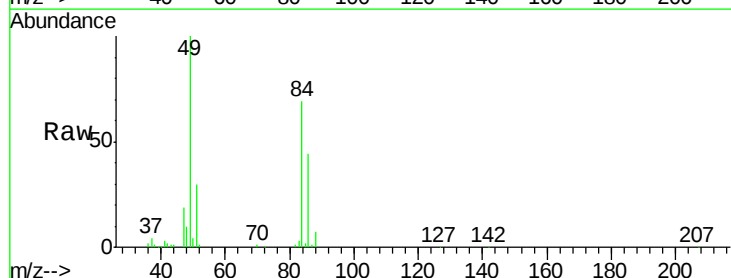
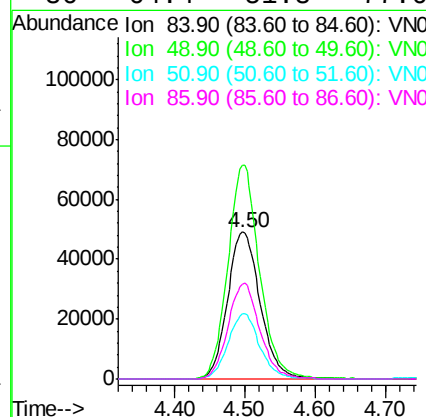
Manual Integrations  
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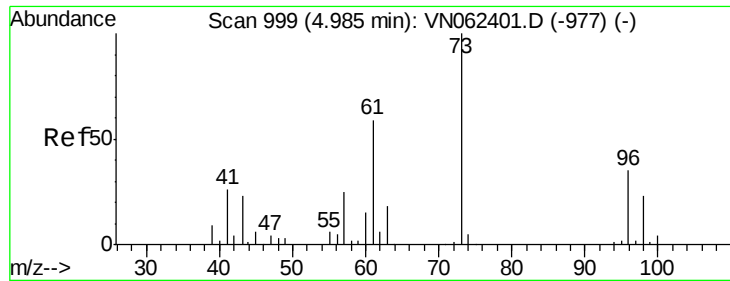
MMDadoda  
7/10/2020 9:24:04 AM



#20  
Methylene Chloride  
Concen: 50.159 ug/l  
RT: 4.50 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Tgt Ion: 84 Resp: 158587  
Ion Ratio Lower Upper  
84 100  
49 145.2 120.0 180.0  
51 44.2 37.0 55.6  
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 54.593 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

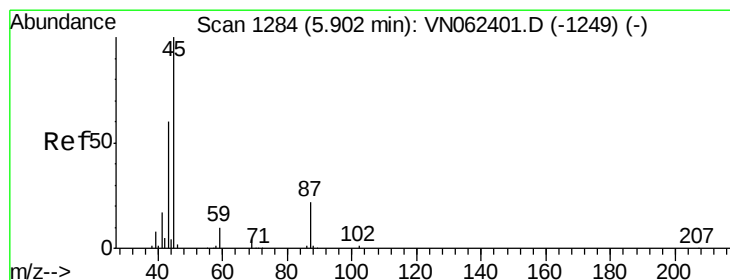
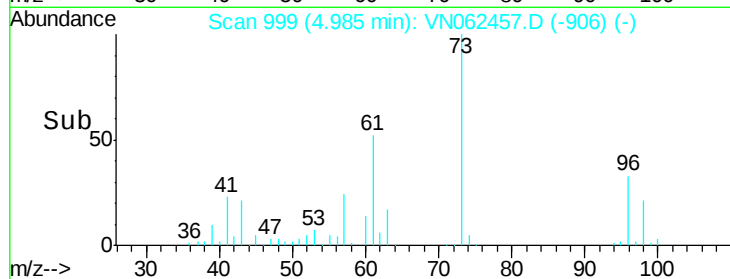
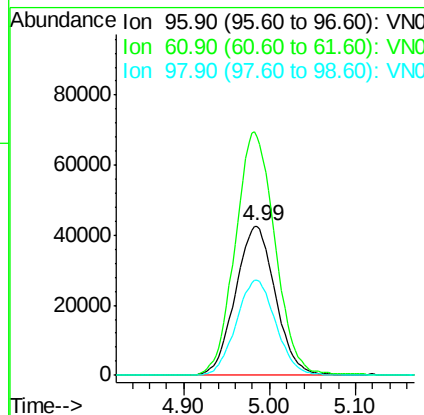
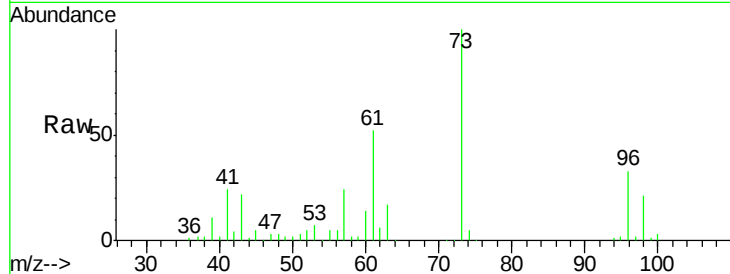
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 137464 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 160.4 | 133.5 | 200.3  |
| 98       | 64.3  | 51.9  | 77.9   |

Manual Integrations  
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MMDadoda  
7/10/2020 9:24:04 AM



#22

Diisopropyl ether

Concen: 53.767 ug/l

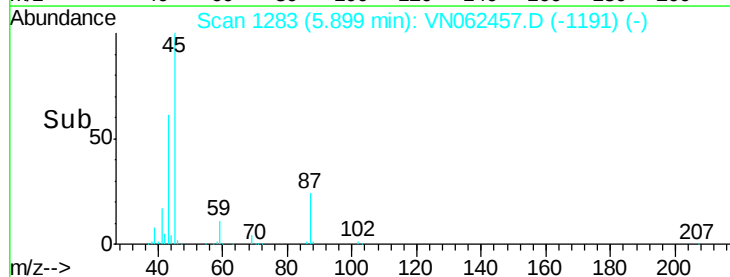
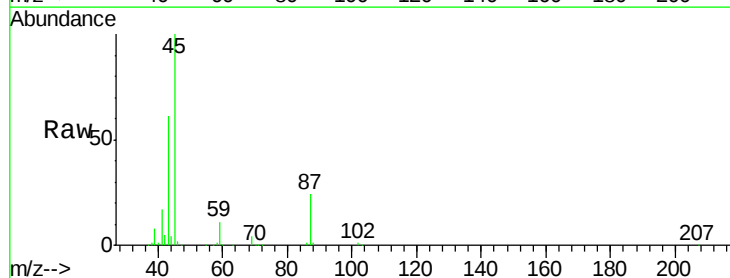
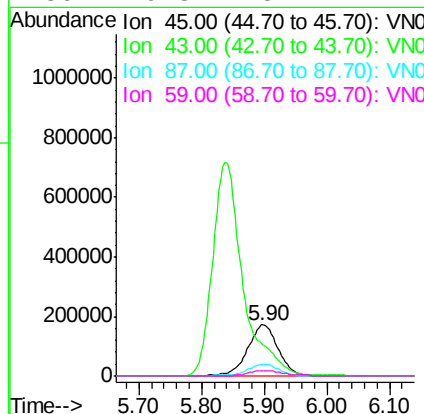
RT: 5.90 min Scan# 1283

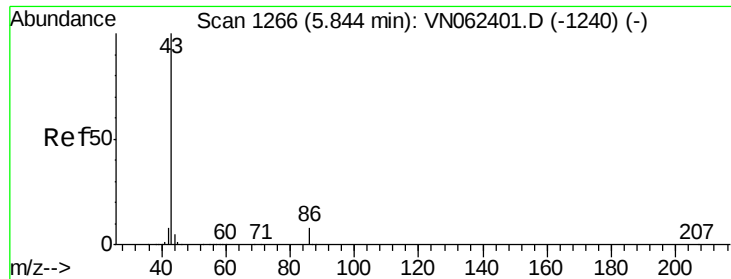
Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 580669 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 59.8  | 50.1  | 75.1   |
| 87       | 23.9  | 18.2  | 27.4   |
| 59       | 10.8  | 8.2   | 12.2   |





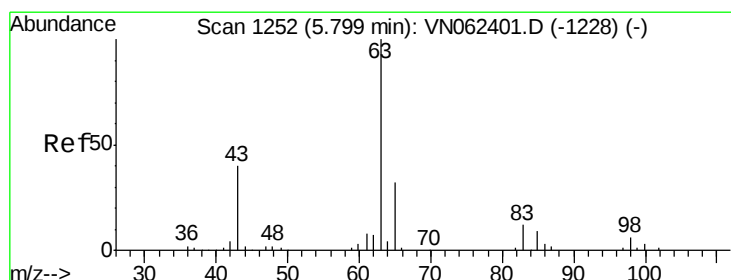
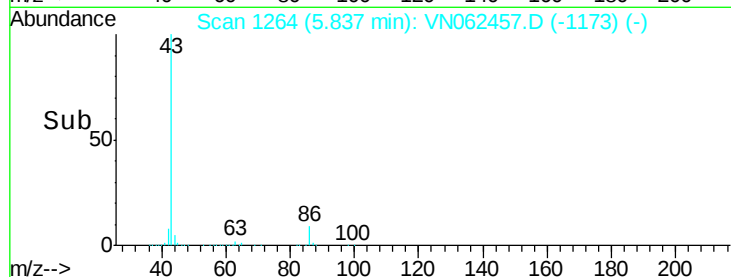
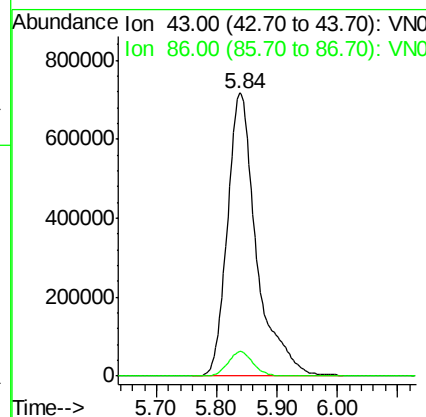
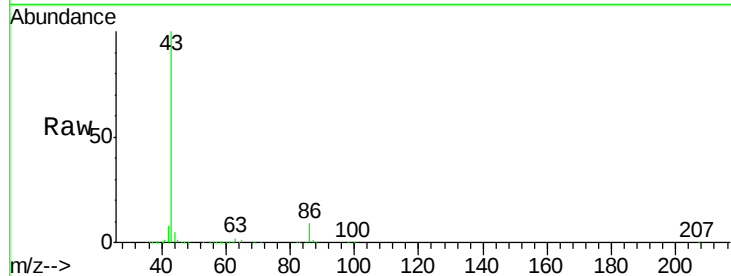
#23  
 Vinyl Acetate  
 Concen: 270.031 ug/l  
 RT: 5.84 min Scan# 1264  
 Delta R.T. -0.01 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 2415778  
 Ion Ratio Lower Upper  
 43 100  
 86 8.6 6.7 10.1

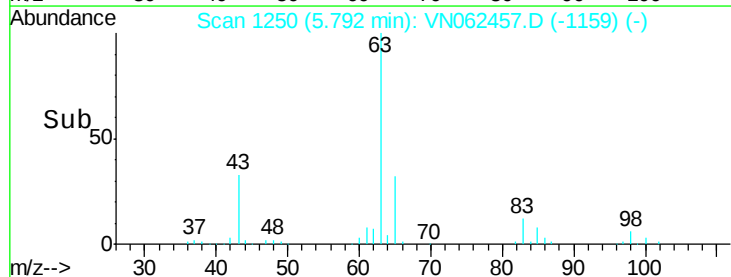
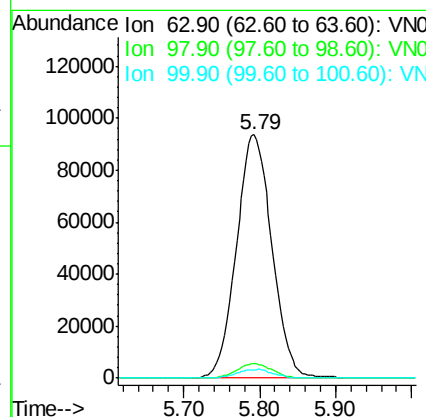
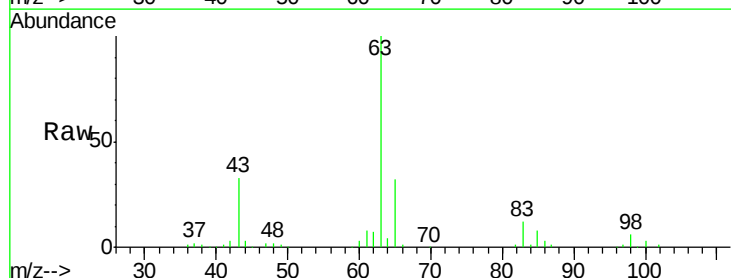
Manual Integrations  
 APPROVED

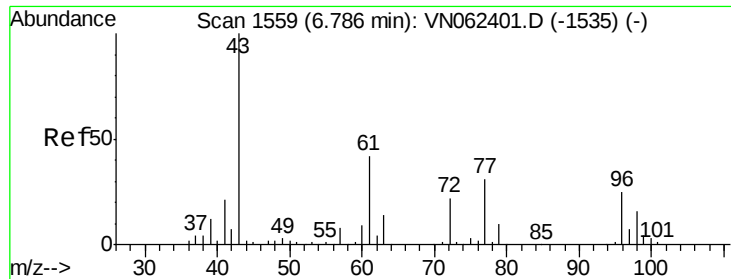
MMDadoda  
 7/10/2020 9:24:04 AM



#24  
 1,1-Dichloroethane  
 Concen: 54.284 ug/l  
 RT: 5.79 min Scan# 1250  
 Delta R.T. -0.01 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Tgt Ion: 63 Resp: 302936  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 2.9 8.8  
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 269.951 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 582988

Ion Ratio Lower Upper

43 100

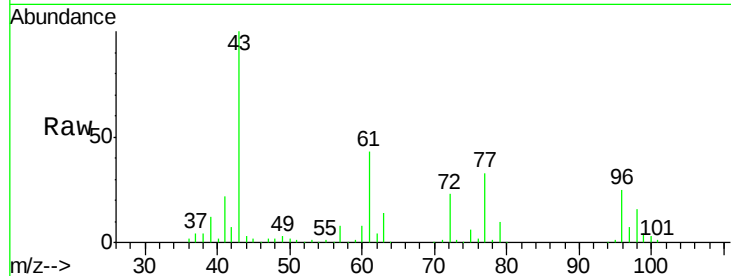
72 22.9 17.9 26.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

200000

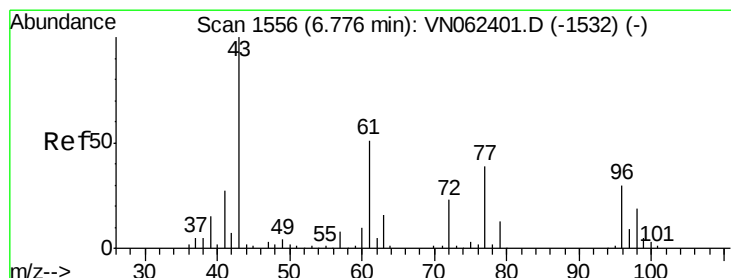
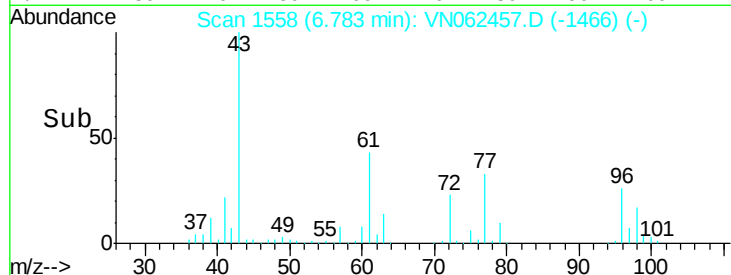
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 57.827 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062457.D

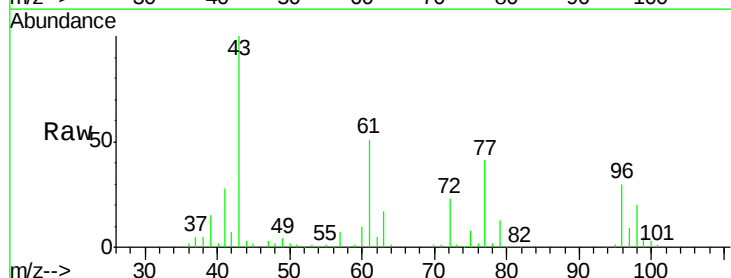
Acq: 9 Jul 2020 15:26

Tgt Ion: 77 Resp: 247436

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.77

80000

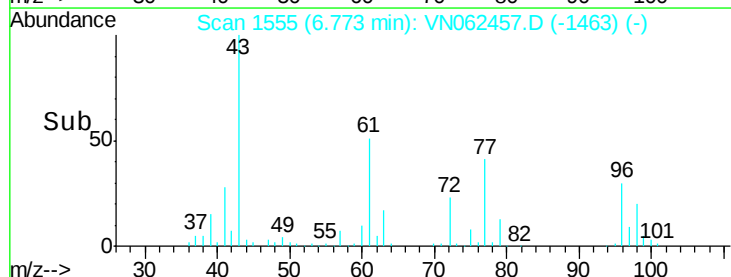
60000

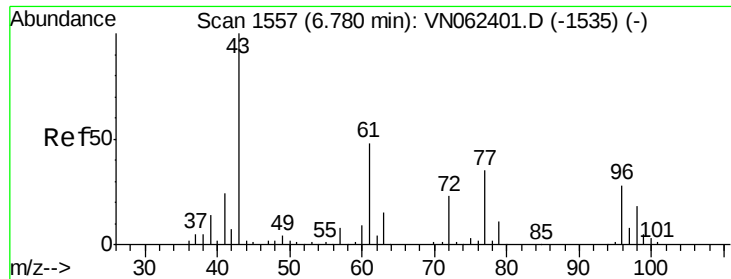
40000

20000

0

Time-->





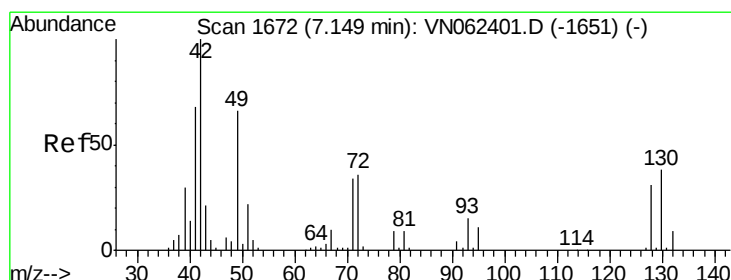
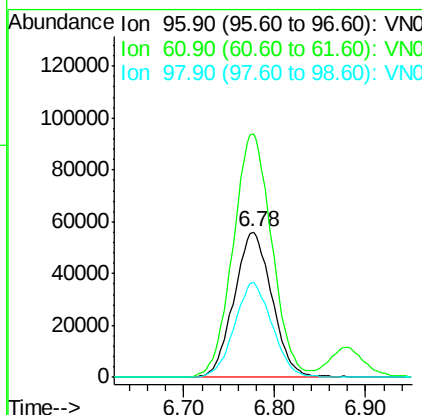
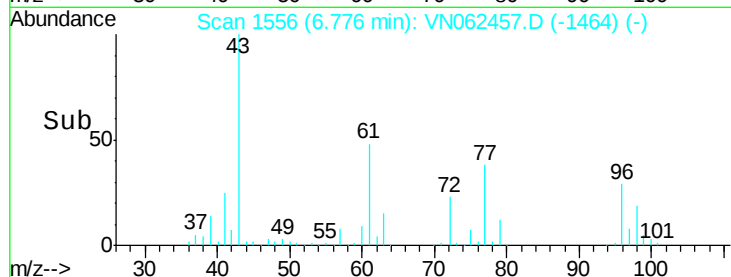
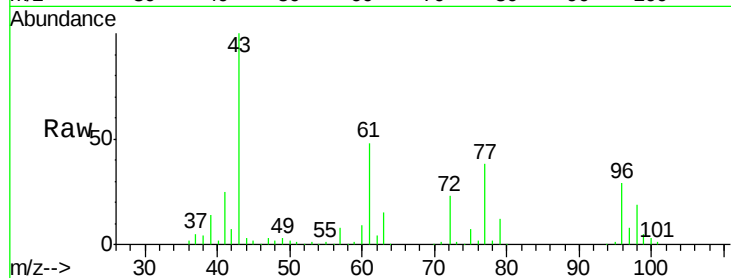
#27  
 cis-1,2-Dichloroethene  
 Concen: 55.763 ug/l  
 RT: 6.78 min Scan# 1556  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 170.4 | 0.0   | 343.4 |
| 98      | 65.0  | 0.0   | 128.4 |

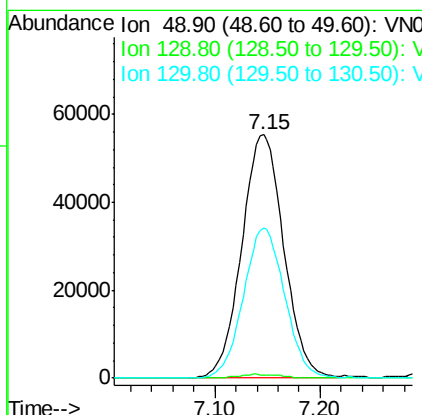
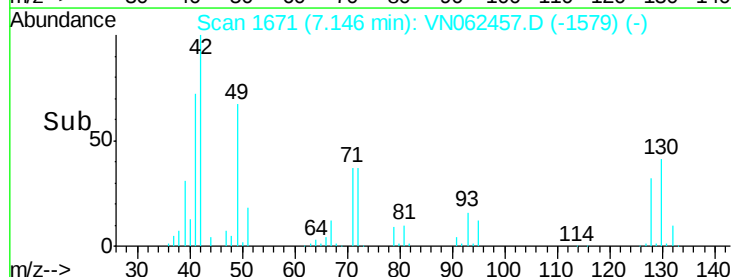
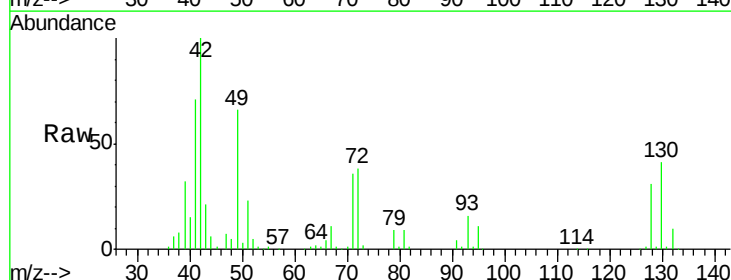
Manual Integrations  
 APPROVED

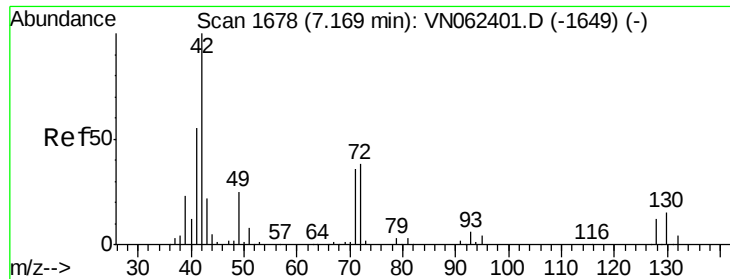
MMDadoda  
 7/10/2020 9:24:04 AM



#28  
 Bromochloromethane  
 Concen: 50.701 ug/l  
 RT: 7.15 min Scan# 1671  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.5   | 0.0   | 2.8   |
| 130     | 60.5  | 46.5  | 69.7  |





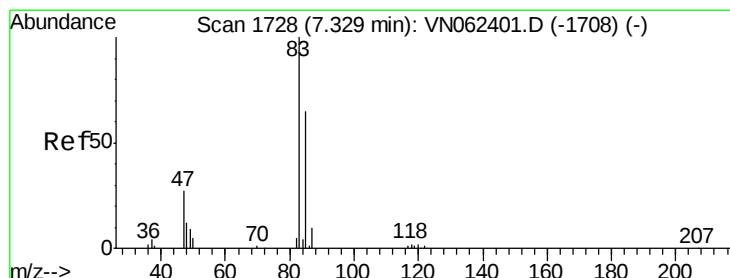
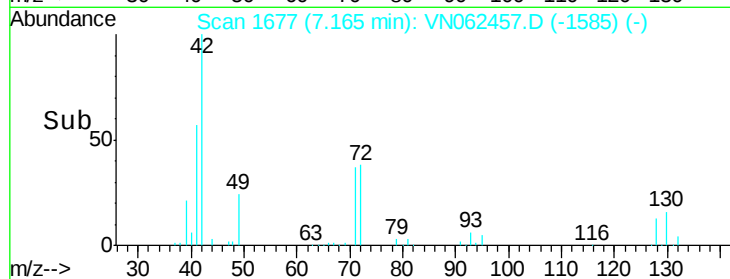
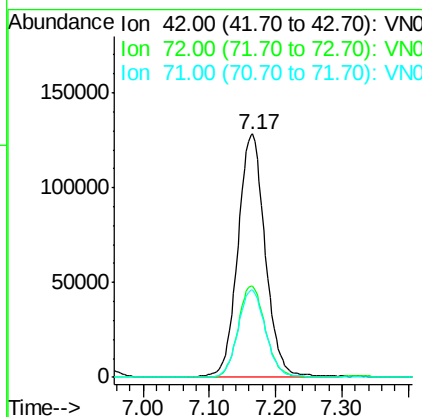
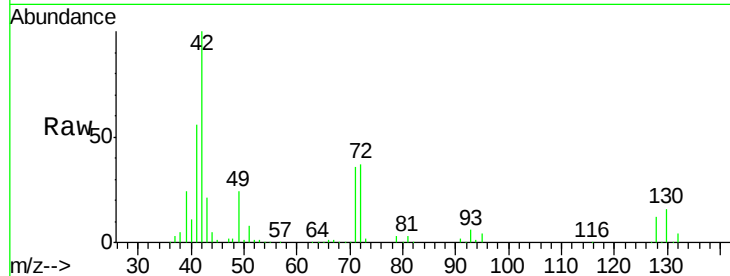
#29  
Tetrahydrofuran  
Concen: 253.599 ug/l  
RT: 7.17 min Scan# 1677  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 37.3  | 29.1  | 43.7  |
| 71      | 36.0  | 28.1  | 42.1  |

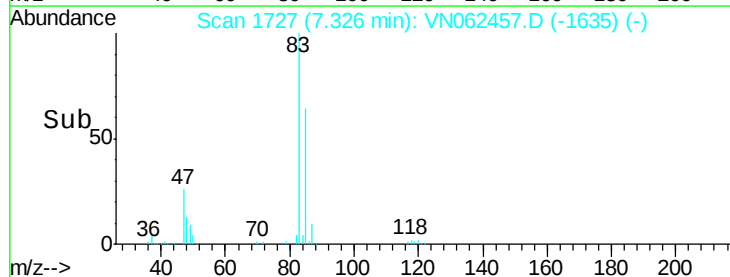
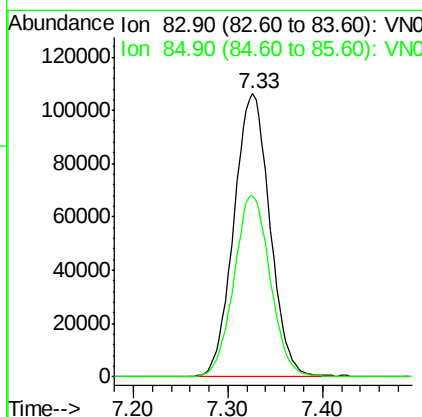
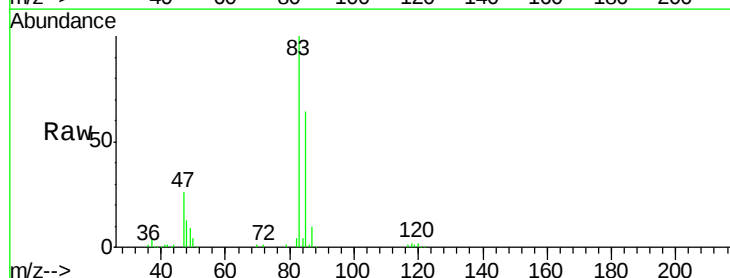
Manual Integrations  
APPROVED

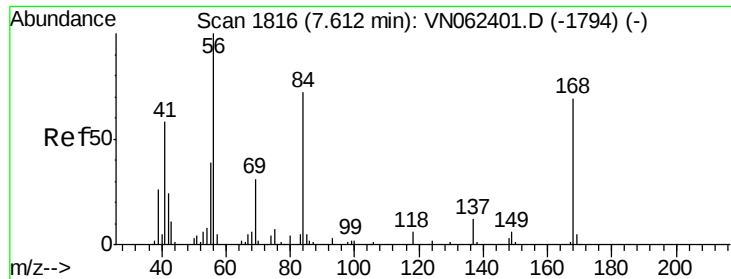
MMDadoda  
7/10/2020 9:24:04 AM



#30  
Chloroform  
Concen: 55.841 ug/l  
RT: 7.33 min Scan# 1727  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.8  | 51.8  | 77.6  |





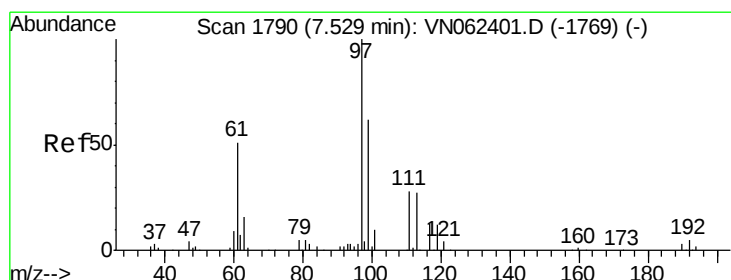
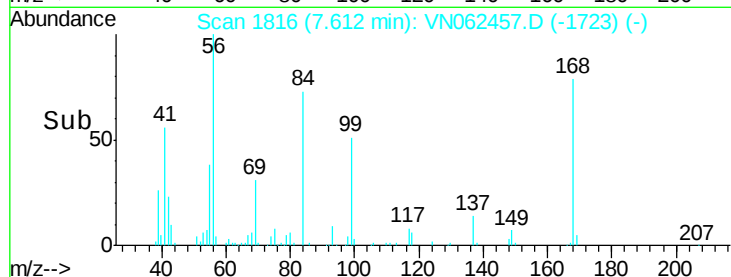
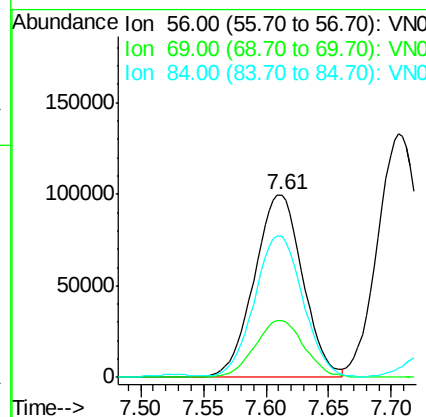
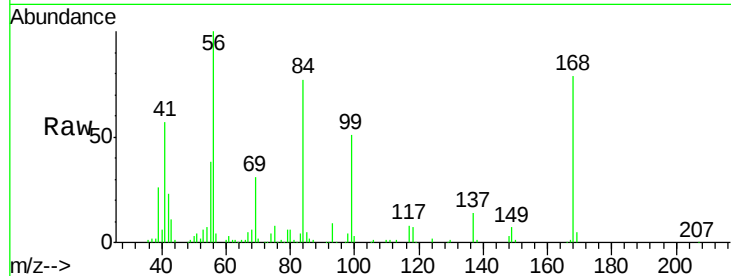
#31  
Cyclohexane  
Concen: 50.675 ug/l  
RT: 7.61 min Scan# 1816  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.1  | 24.5  | 36.7  |
| 84      | 76.5  | 57.4  | 86.2  |

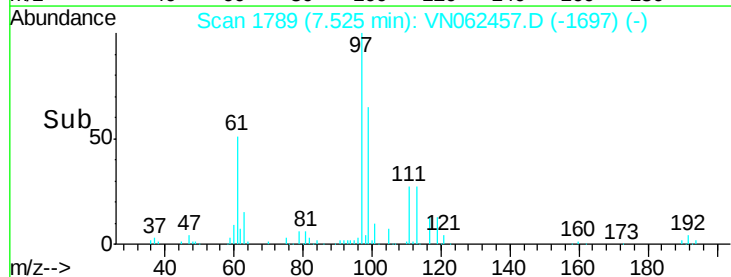
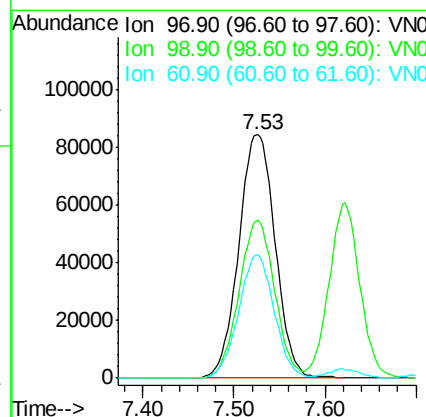
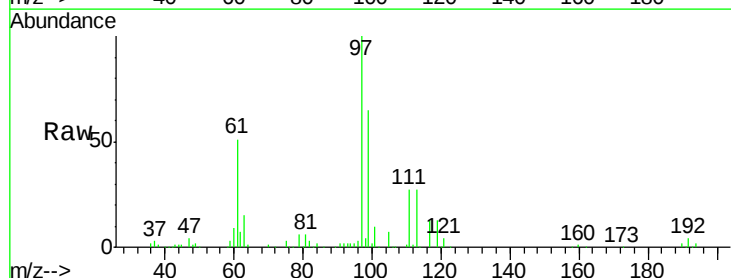
Manual Integrations  
APPROVED

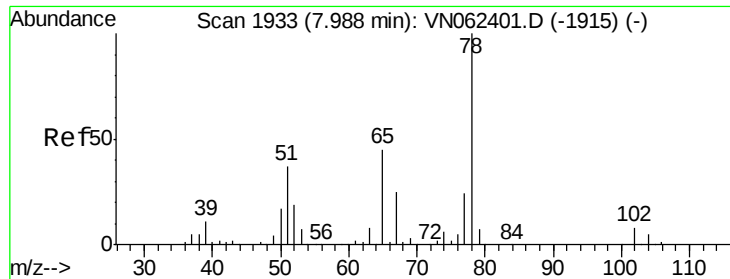
MMDadoda  
7/10/2020 9:24:04 AM



#32  
1,1,1-Trichloroethane  
Concen: 55.837 ug/l  
RT: 7.53 min Scan# 1789  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.6  | 50.4  | 75.6  |
| 61      | 49.3  | 39.9  | 59.9  |





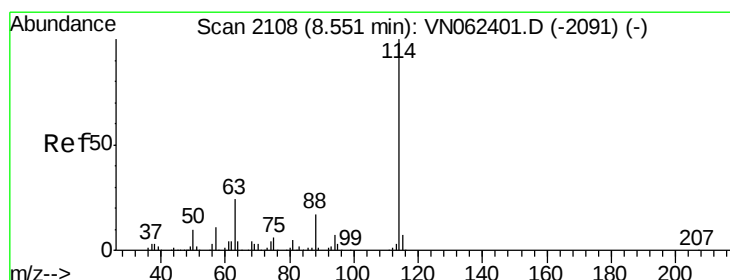
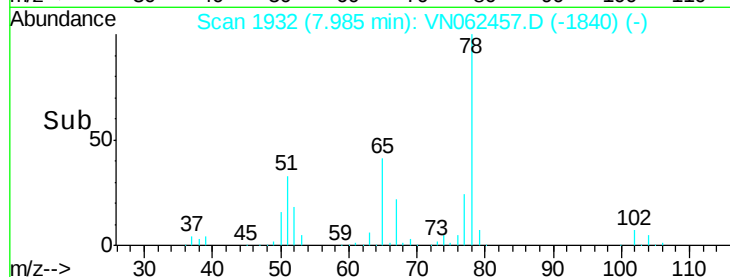
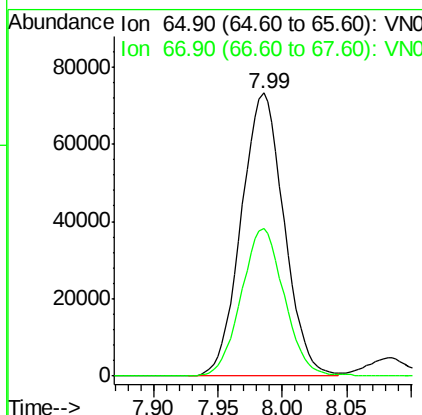
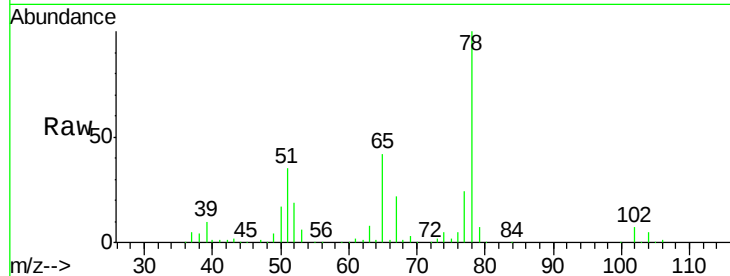
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.615 ug/l  
 RT: 7.99 min Scan# 1932  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 169326 |       |       |
| 67      | 52.5  | 0.0    | 107.6 |       |

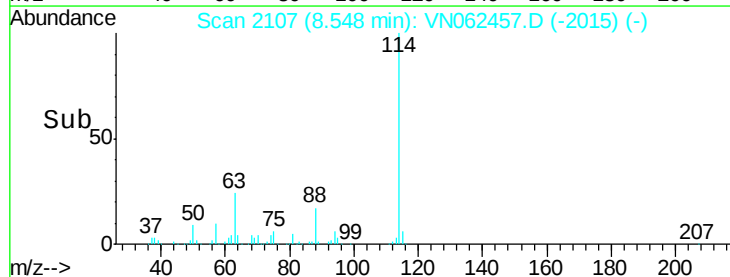
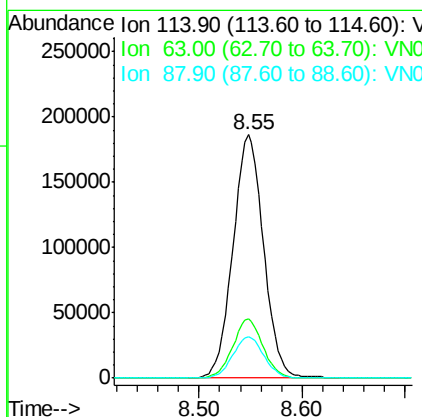
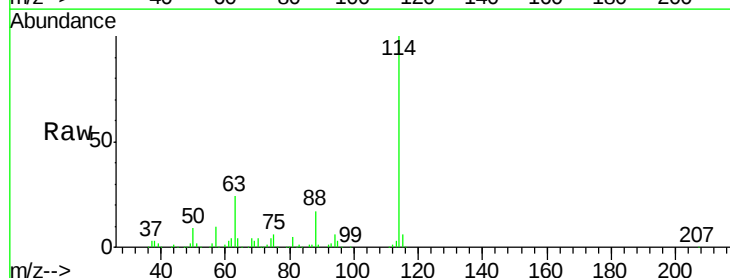
Manual Integrations  
 APPROVED

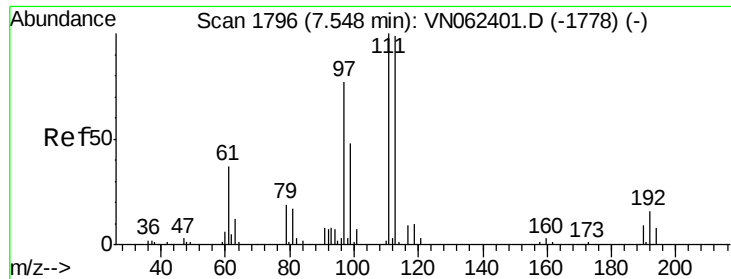
MMDadoda  
 7/10/2020 9:24:04 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 384698 |       |       |
| 63      | 24.1  | 0.0    | 48.4  |       |
| 88      | 17.1  | 0.0    | 33.8  |       |





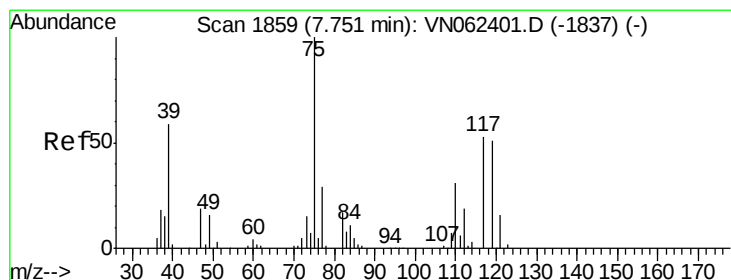
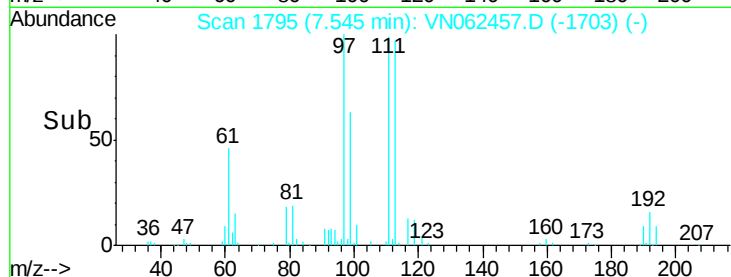
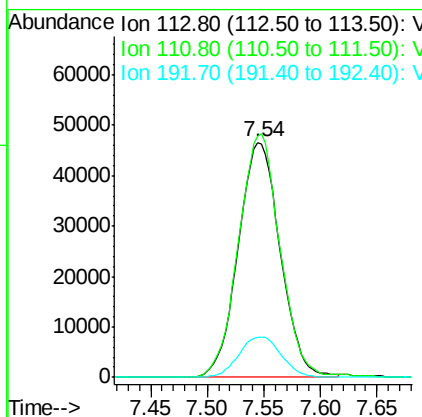
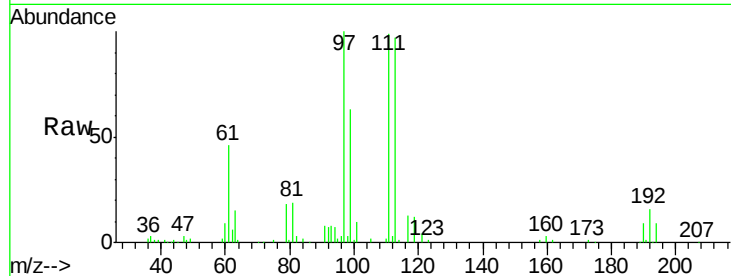
#35  
 Dibromofluoromethane  
 Concen: 50.588 ug/l  
 RT: 7.54 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 120295 |       |       |
| 111     | 102.9 | 83.1   | 124.7 |       |
| 192     | 17.5  | 14.1   | 21.1  |       |

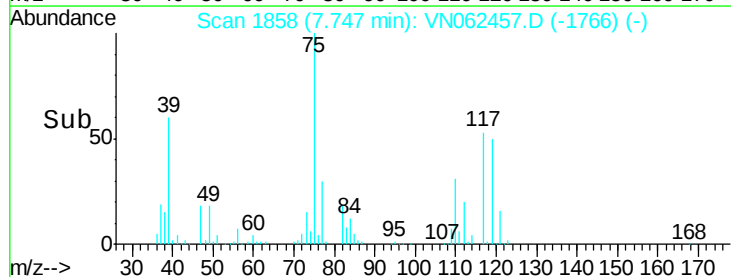
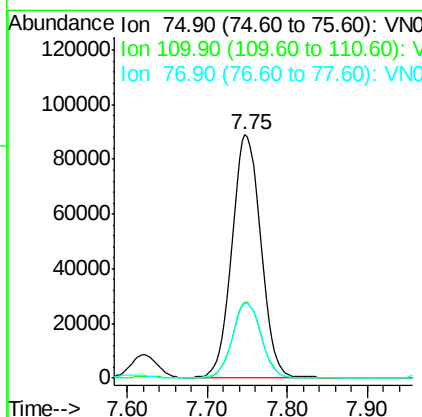
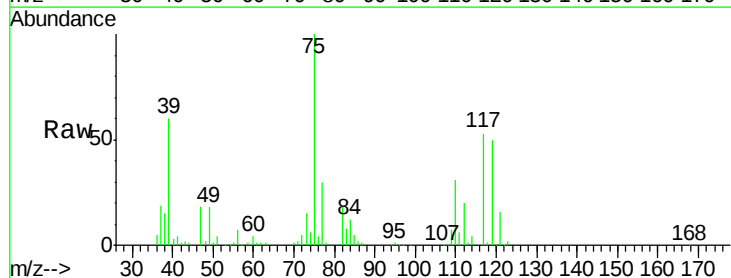
Manual Integrations  
 APPROVED

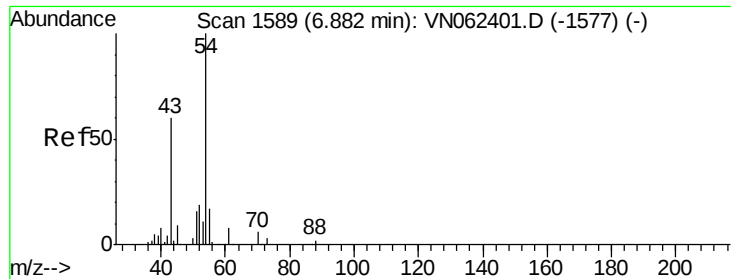
MMDadoda  
 7/10/2020 9:24:04 AM



#36  
 1,1-Dichloropropene  
 Concen: 55.908 ug/l  
 RT: 7.75 min Scan# 1858  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 216688 |       |       |
| 110     | 31.0  | 15.4   | 46.2  |       |
| 77      | 31.1  | 24.1   | 36.1  |       |





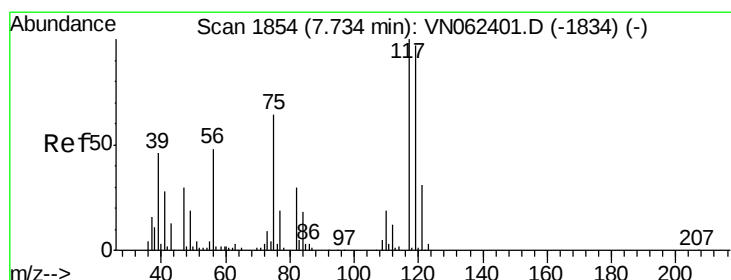
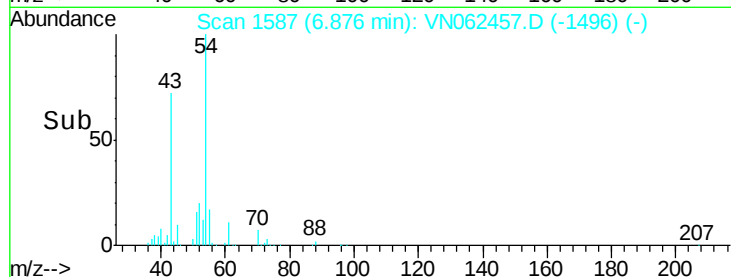
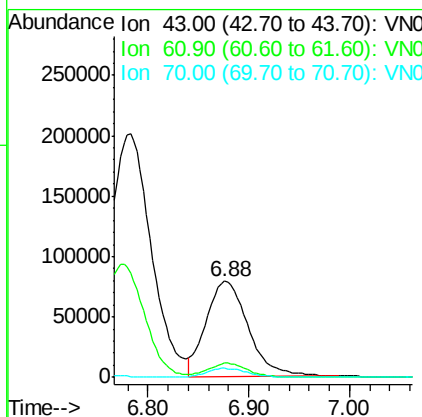
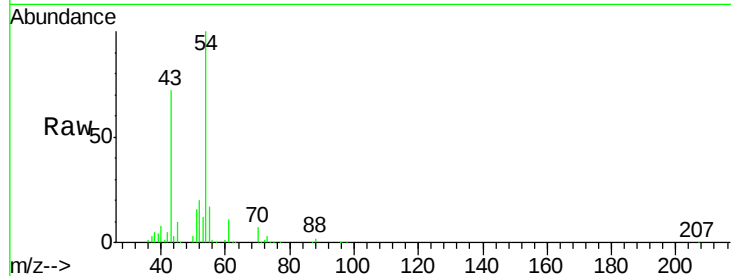
#37  
Ethyl Acetate  
Concen: 50.548 ug/l  
RT: 6.88 min Scan# 1587  
Delta R.T. -0.01 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.7  | 10.7  | 16.1  |
| 70      | 9.2   | 7.2   | 10.8  |

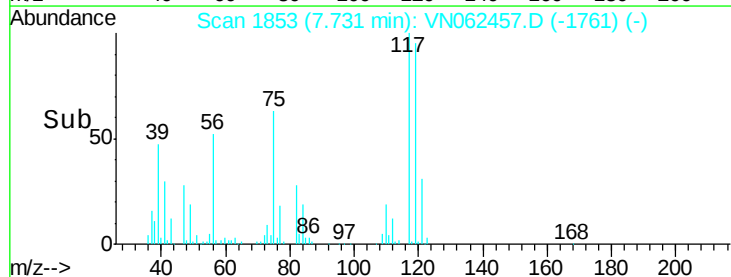
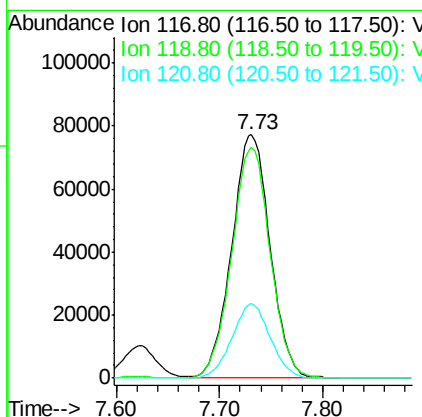
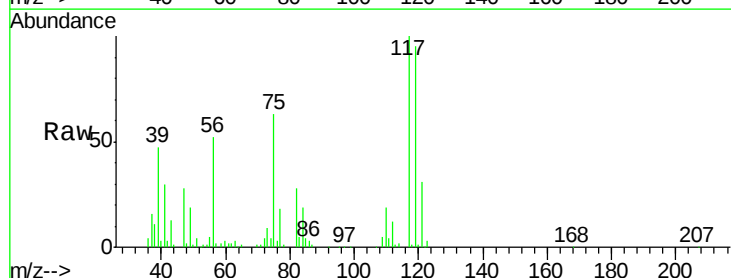
Manual Integrations  
APPROVED

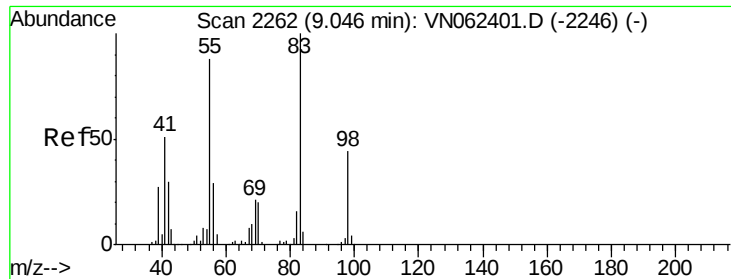
MMDadoda  
7/10/2020 9:24:04 AM



#38  
Carbon Tetrachloride  
Concen: 57.148 ug/l  
RT: 7.73 min Scan# 1853  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.8  | 77.2  | 115.8 |
| 121     | 30.8  | 24.8  | 37.2  |





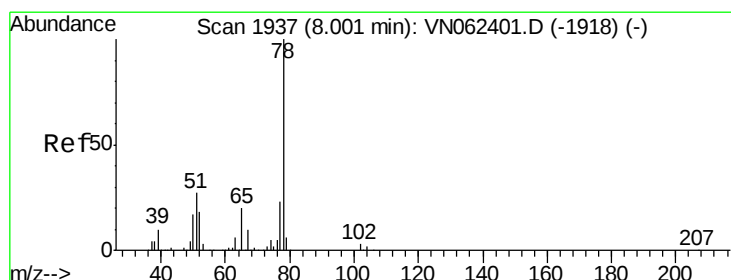
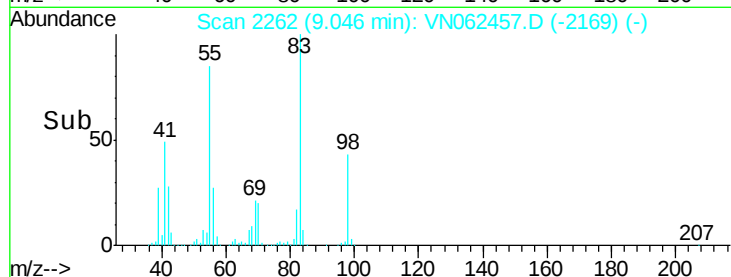
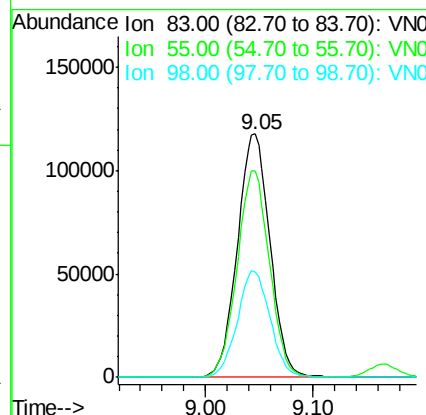
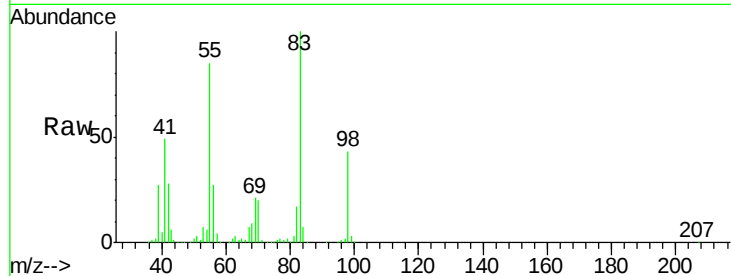
#39  
Methvlcvclohexane  
Concen: 59.963 ug/l  
RT: 9.05 min Scan# 2262  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 84.7  | 70.5  | 105.7 |
| 98      | 43.2  | 35.5  | 53.3  |

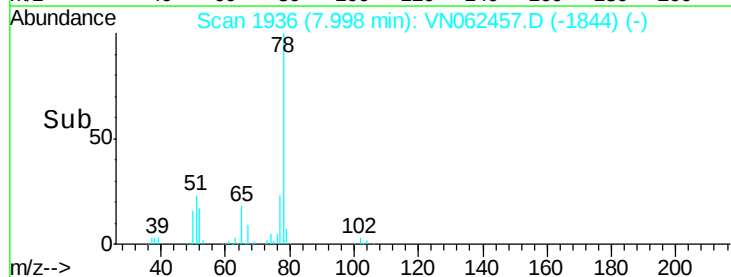
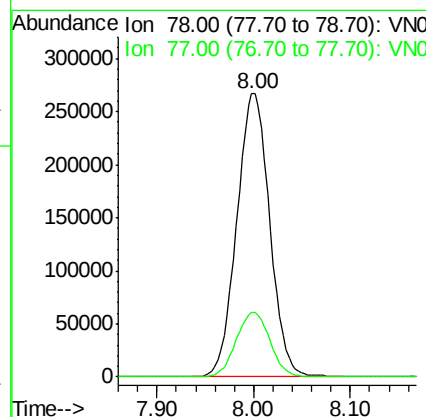
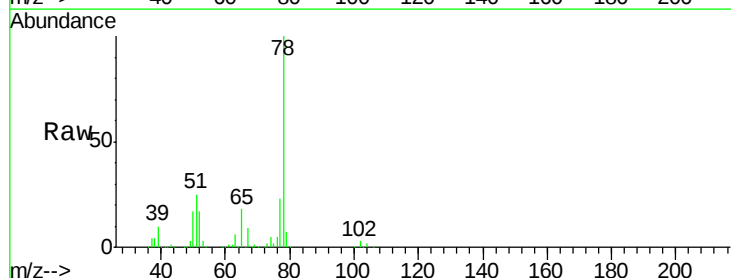
Manual Integrations  
APPROVED

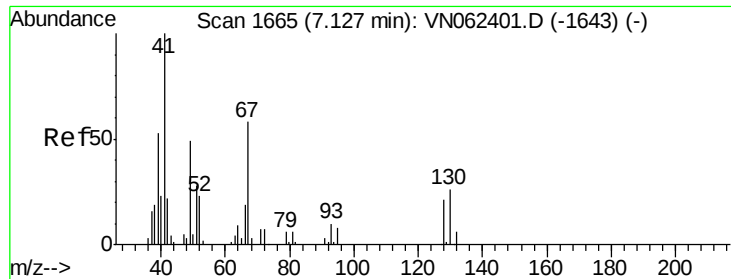
MMDadoda  
7/10/2020 9:24:04 AM



#40  
Benzene  
Concen: 55.389 ug/l  
RT: 8.00 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.0  | 18.7  | 28.1  |





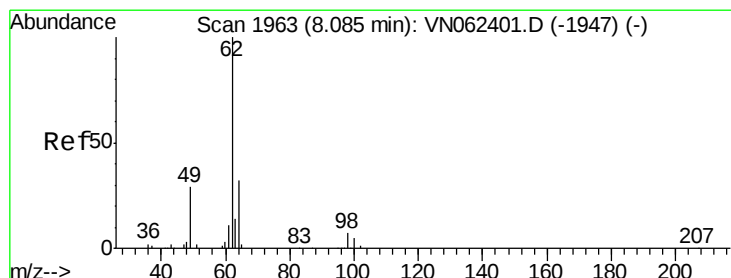
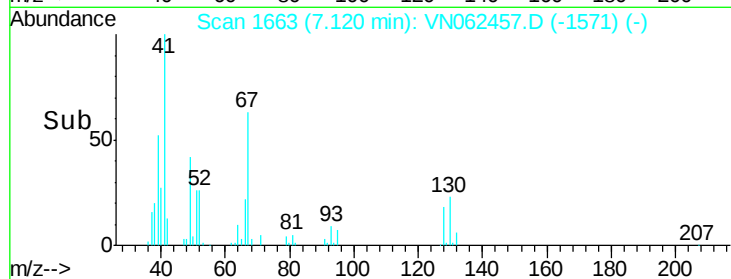
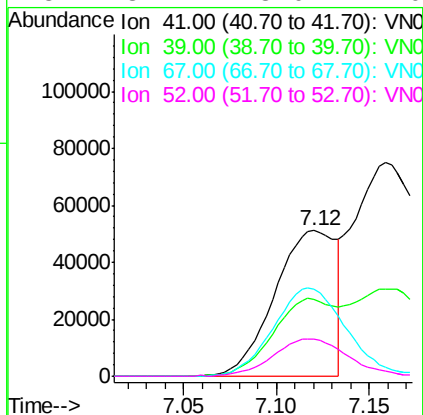
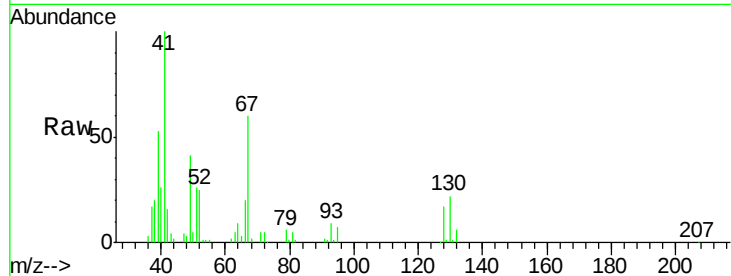
#41  
Methacrylonitrile  
Concen: 62.172 ug/l  
RT: 7.12 min Scan# 1663  
Delta R.T. -0.01 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 53.5  | 50.2  | 75.2  |
| 67      | 72.3  | 64.2  | 96.2  |
| 52      | 31.7  | 28.0  | 42.0  |

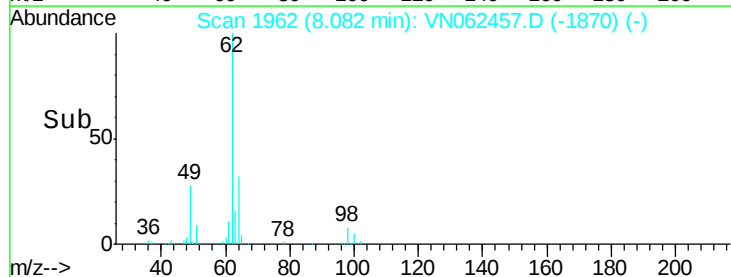
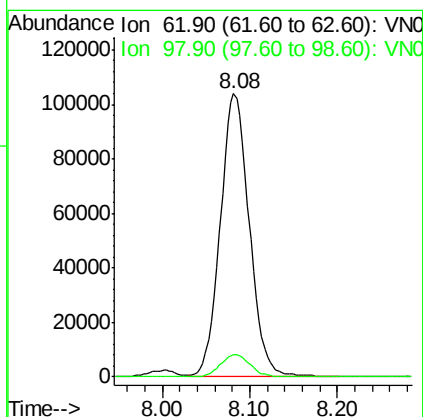
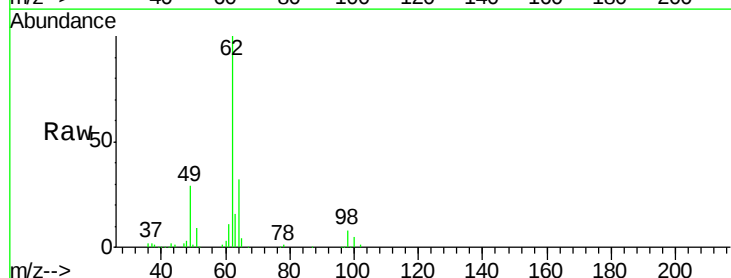
Manual Integrations  
APPROVED

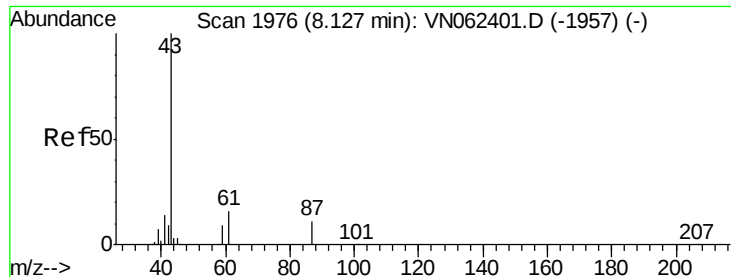
MMDadoda  
7/10/2020 9:24:04 AM



#42  
1,2-Dichloroethane  
Concen: 56.993 ug/l  
RT: 8.08 min Scan# 1962  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.1   | 0.0   | 15.8  |





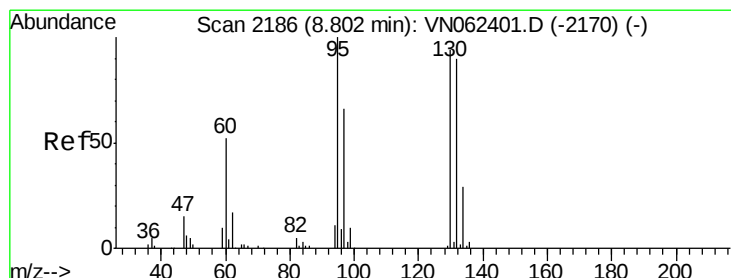
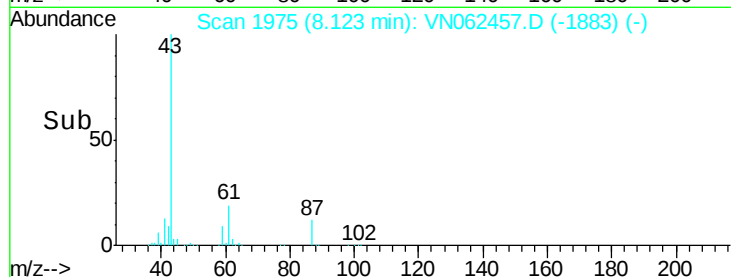
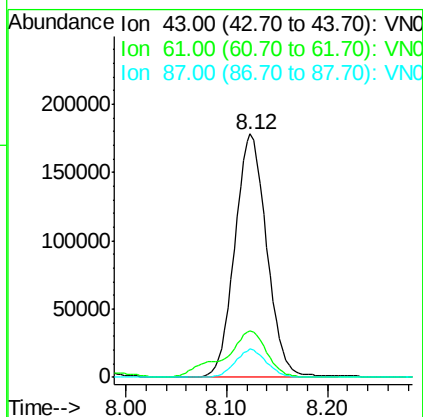
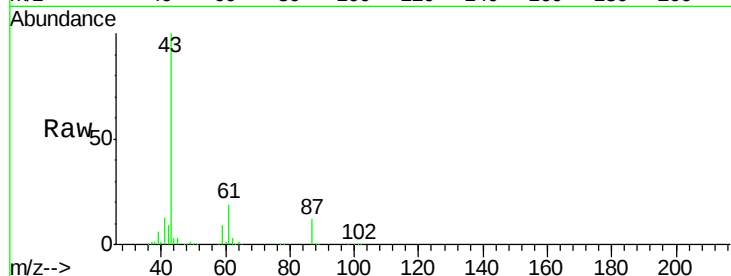
#43  
Isopropyl Acetate  
Concen: 54.468 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.5  | 19.3  | 28.9  |
| 87      | 11.3  | 8.6   | 13.0  |

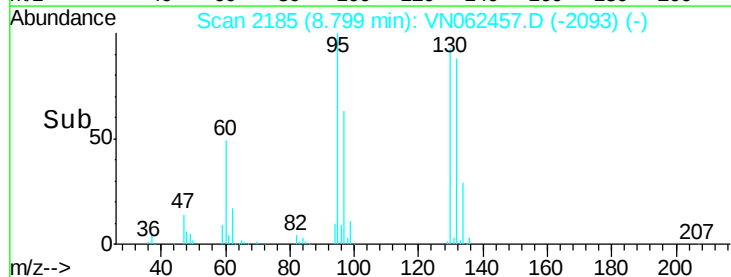
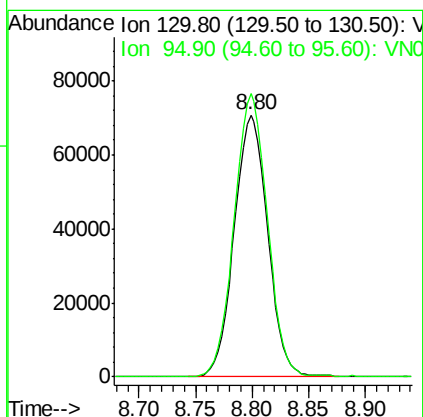
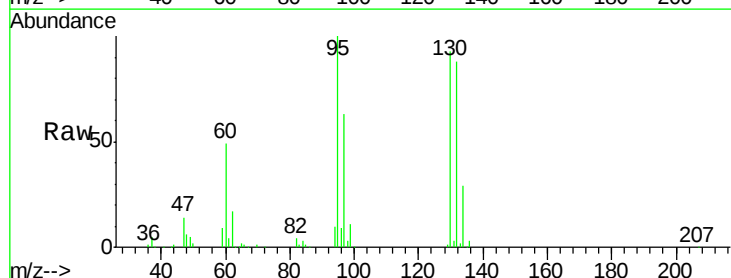
Manual Integrations  
APPROVED

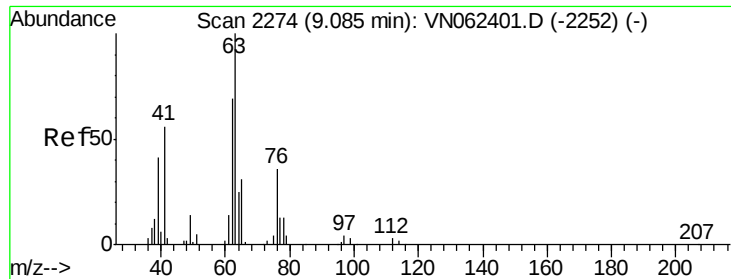
MMDadoda  
7/10/2020 9:24:04 AM



#44  
Trichloroethene  
Concen: 57.645 ug/l  
RT: 8.80 min Scan# 2185  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 108.1 | 0.0   | 213.8 |





#45

1,2-Dichloropropane

Concen: 56.027 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 185786

Ion Ratio Lower Upper

63 100

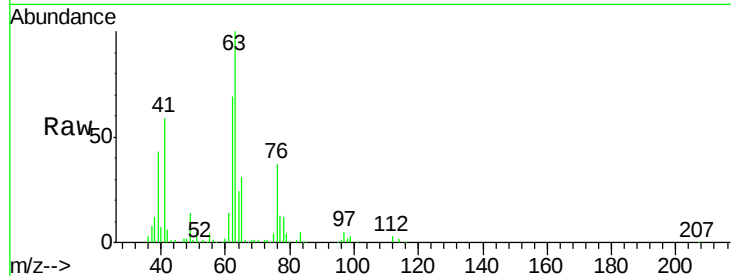
65 31.0 24.6 36.8

Manual Integrations

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MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.08

80000

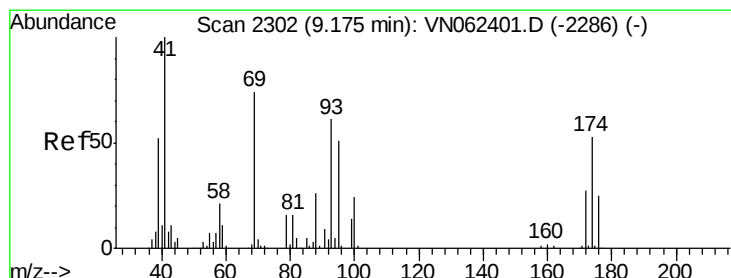
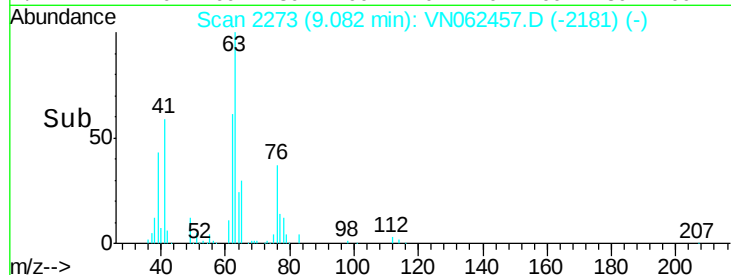
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 57.168 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

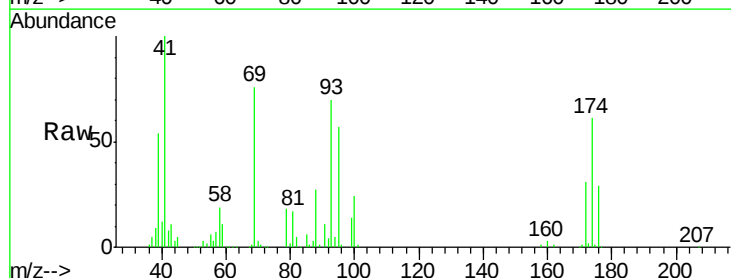
Tgt Ion: 93 Resp: 106978

Ion Ratio Lower Upper

93 100

95 81.7 67.1 100.7

174 86.7 70.4 105.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.17

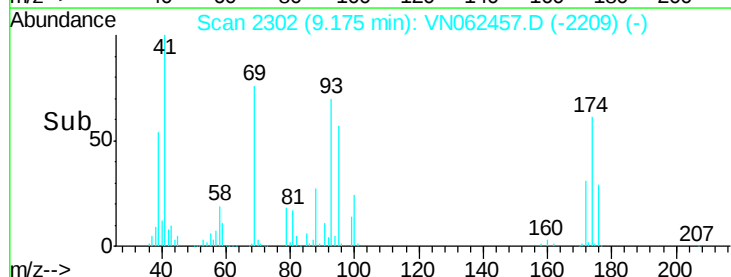
60000

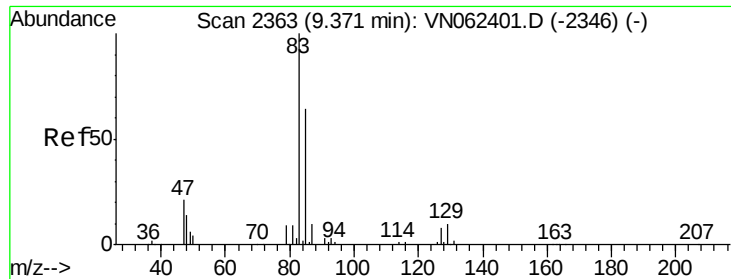
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 56.962 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

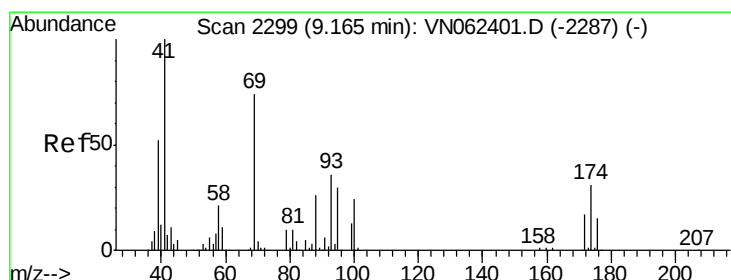
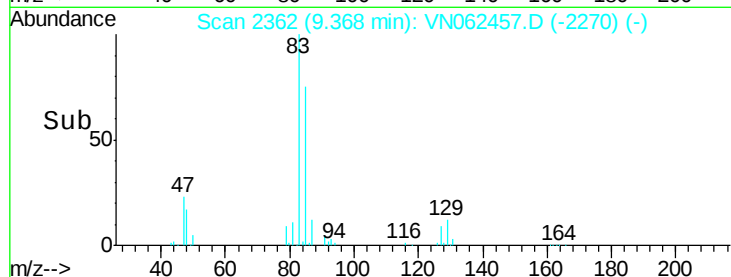
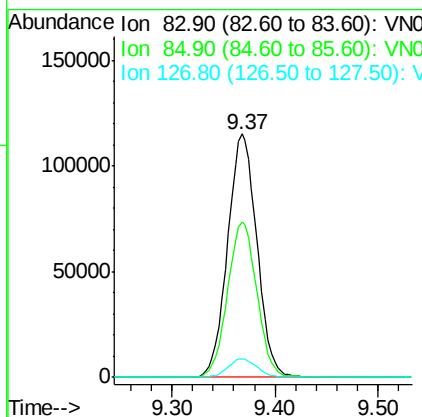
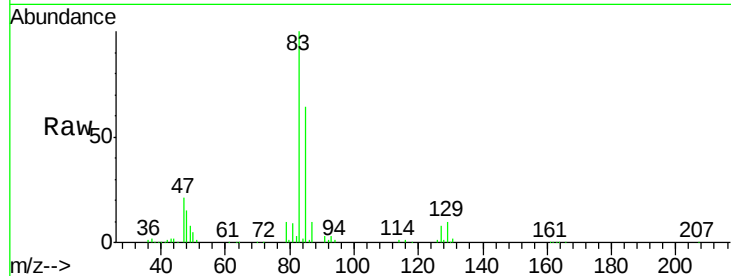
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 227893 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.0  | 51.2  | 76.8   |
| 127      | 7.8   | 6.2   | 9.2    |

Manual Integrations  
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7/10/2020 9:24:04 AM



#48

Methyl methacrylate

Concen: 54.551 ug/l

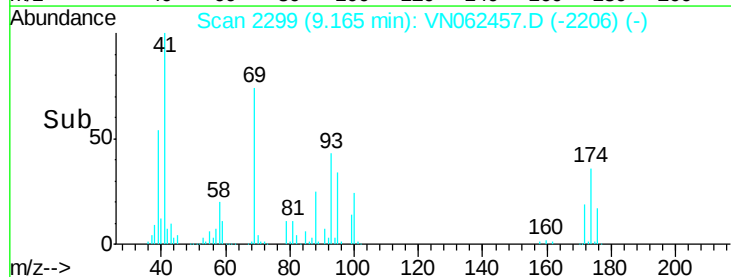
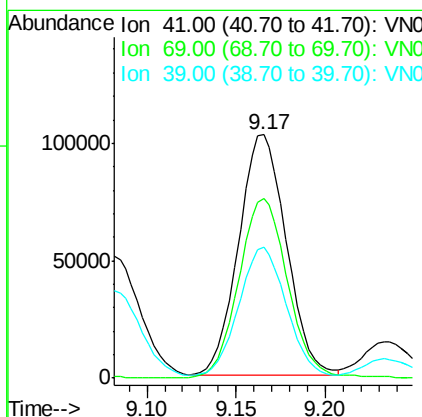
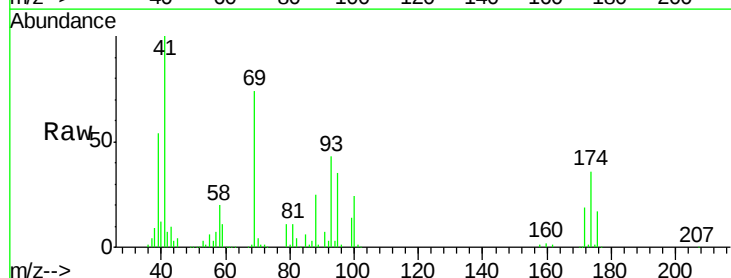
RT: 9.17 min Scan# 2299

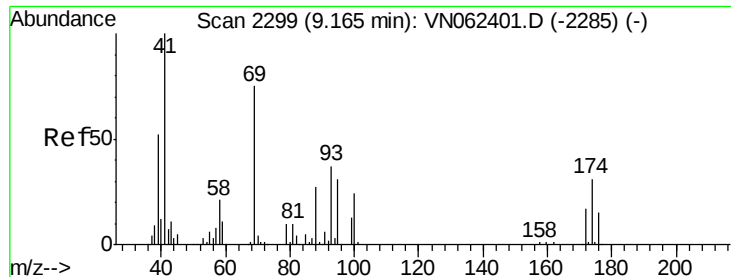
Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 191576 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 76.9  | 60.8  | 91.2   |
| 39       | 54.9  | 43.5  | 65.3   |





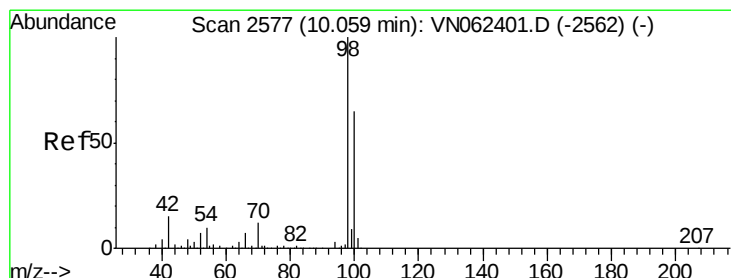
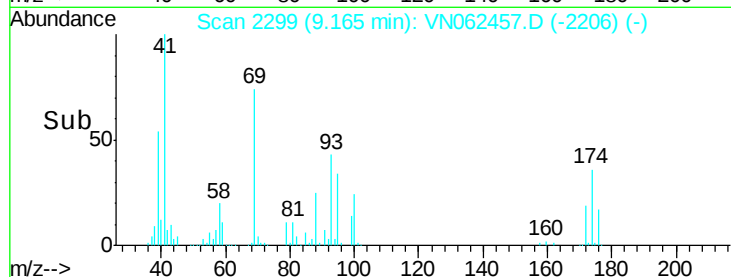
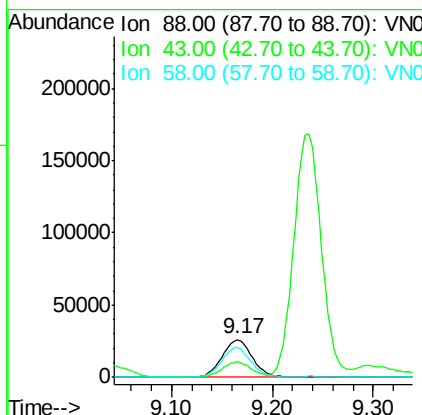
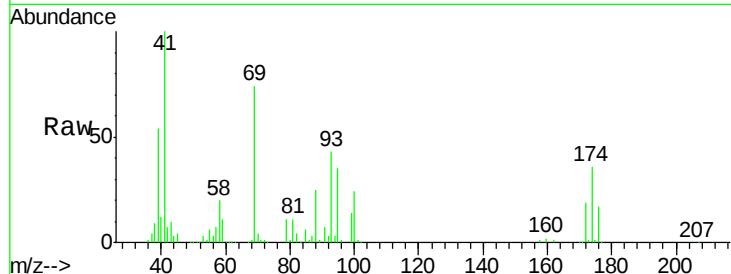
#49  
1,4-Dioxane  
Concen: 1075.954 ug/l  
RT: 9.17 min Scan# 2299  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.3  | 31.0  | 46.4  |
| 58      | 76.5  | 63.3  | 94.9  |

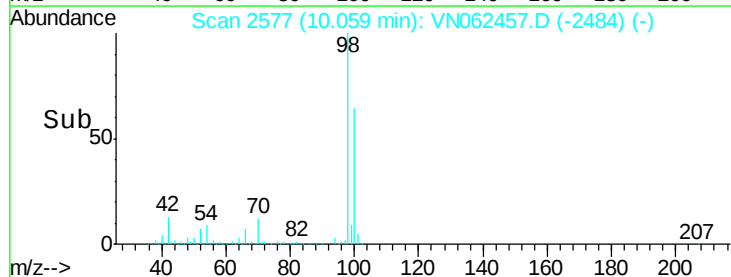
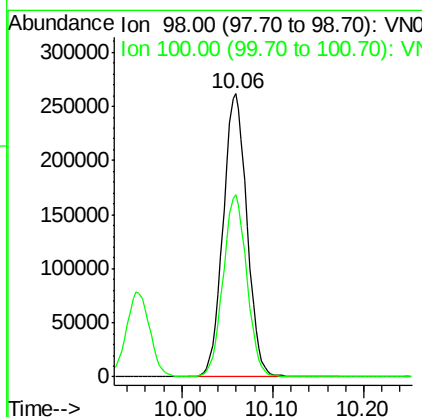
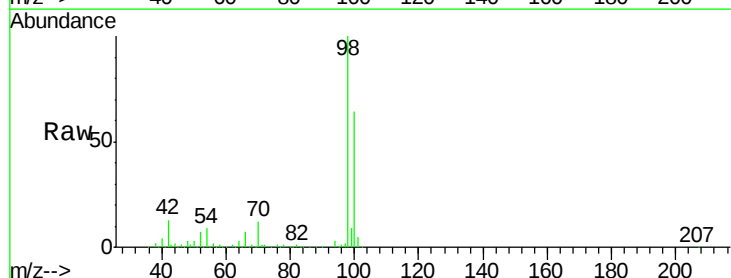
Manual Integrations  
APPROVED

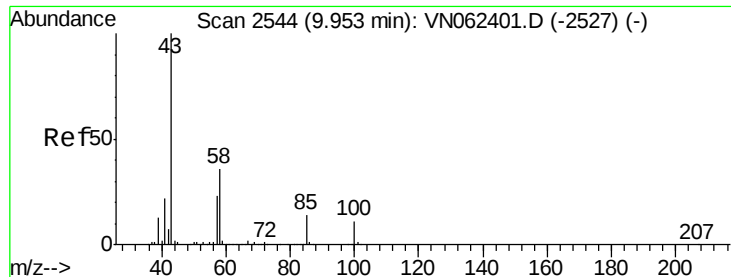
MMDadoda  
7/10/2020 9:24:04 AM



#50  
Toluene-d8  
Concen: 50.832 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.4  | 51.5  | 77.3  |





#51

4-Methyl-2-Pentanone

Concen: 271.687 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1161763

Ion Ratio Lower Upper

43 100

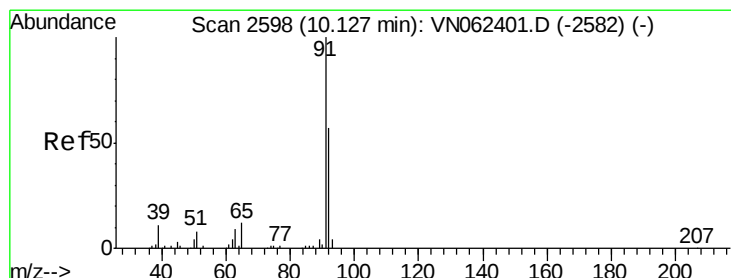
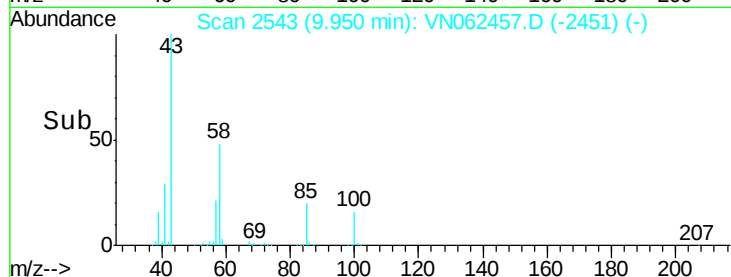
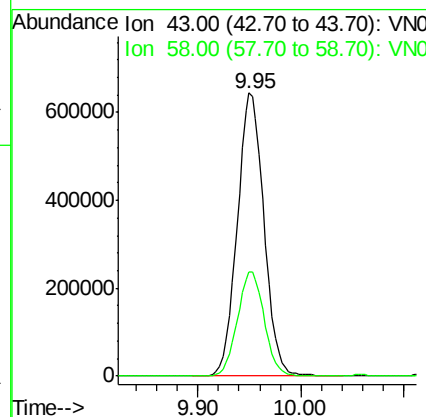
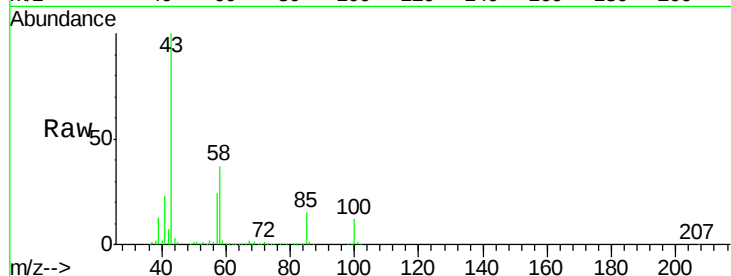
58 37.0 29.0 43.6

Manual Integrations

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7/10/2020 9:24:04 AM



#52

Toluene

Concen: 58.050 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062457.D

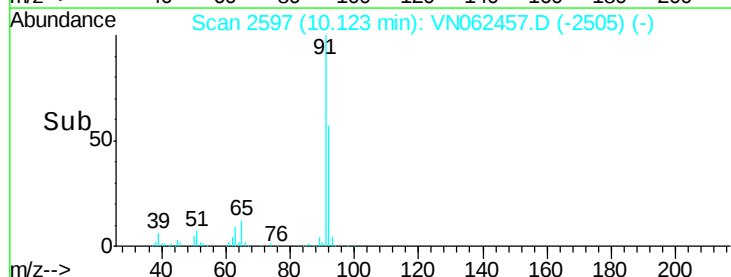
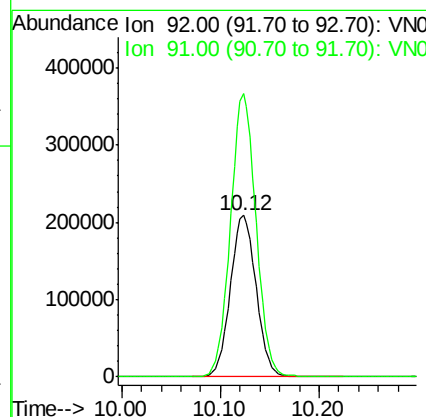
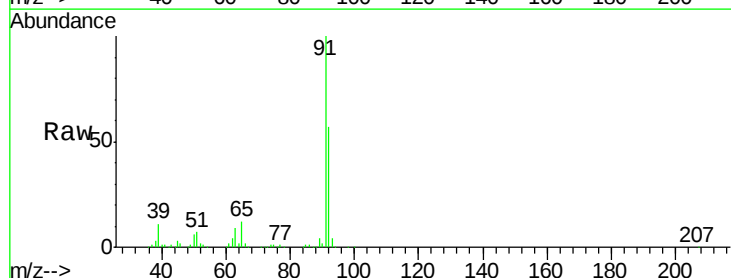
Acq: 9 Jul 2020 15:26

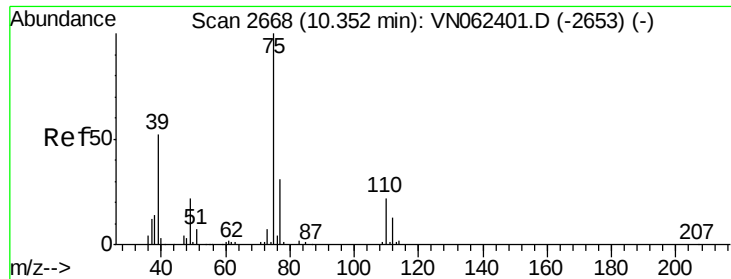
Tgt Ion: 92 Resp: 383011

Ion Ratio Lower Upper

92 100

91 173.5 141.0 211.6





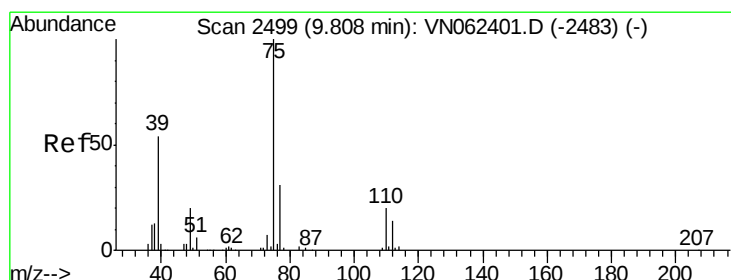
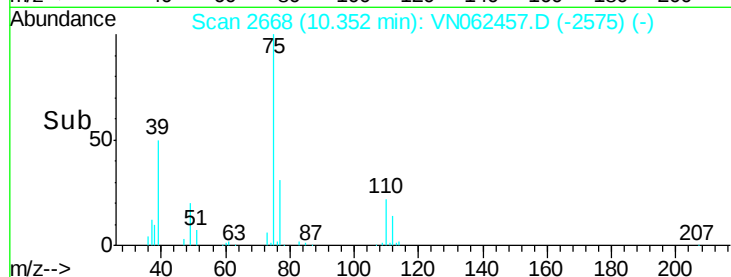
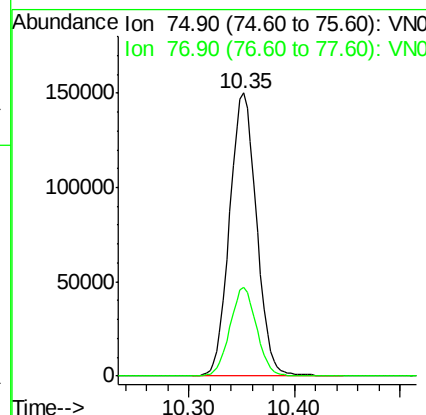
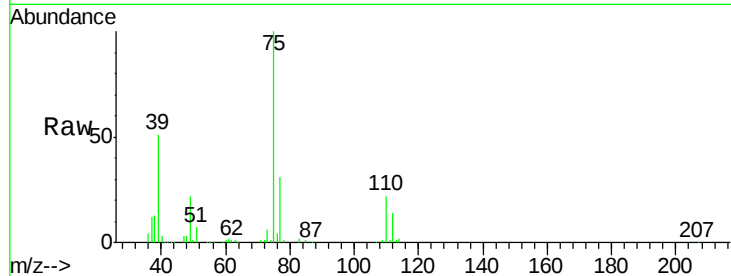
#53  
t-1,3-Dichloropropene  
Concen: 59.203 ug/l  
RT: 10.35 min Scan# 2668  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.3  | 25.2  | 37.8  |

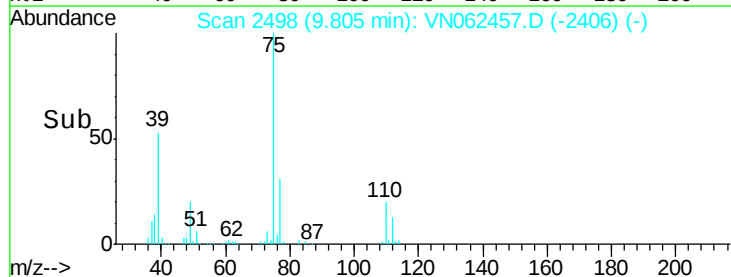
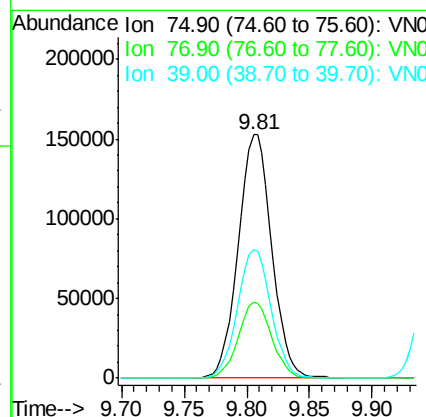
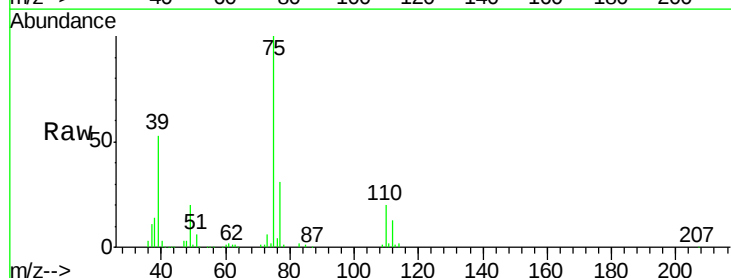
Manual Integrations  
APPROVED

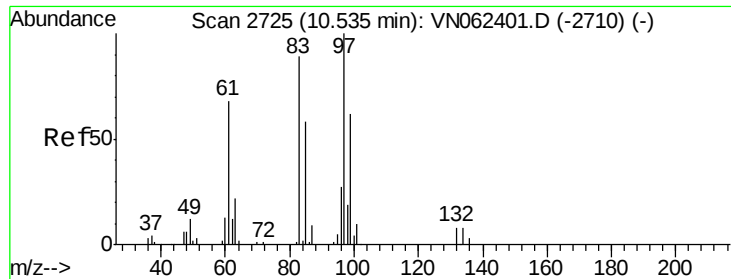
MMDadoda  
7/10/2020 9:24:04 AM



#54  
cis-1,3-Dichloropropene  
Concen: 57.364 ug/l  
RT: 9.81 min Scan# 2498  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.4  | 24.5  | 36.7  |
| 39      | 53.0  | 43.4  | 65.0  |





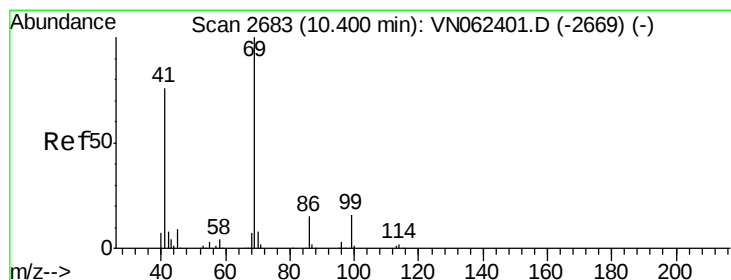
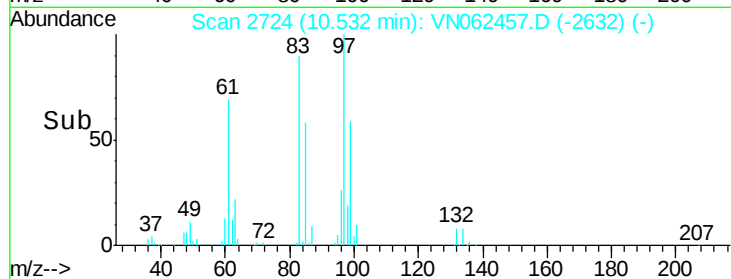
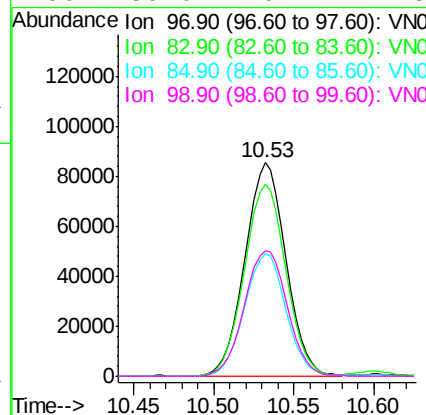
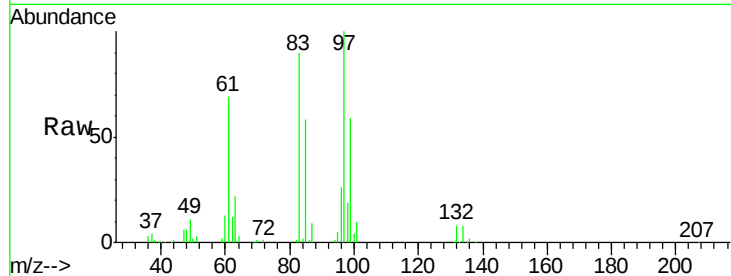
#55  
 1,1,2-Trichloroethane  
 Concen: 57.586 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 149436 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 90.1  | 71.0  | 106.4  |
| 85       | 57.7  | 46.2  | 69.4   |
| 99       | 59.0  | 49.7  | 74.5   |

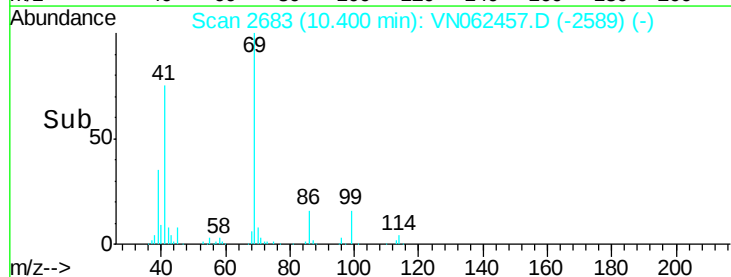
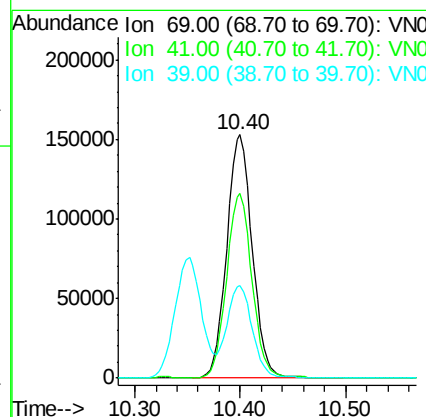
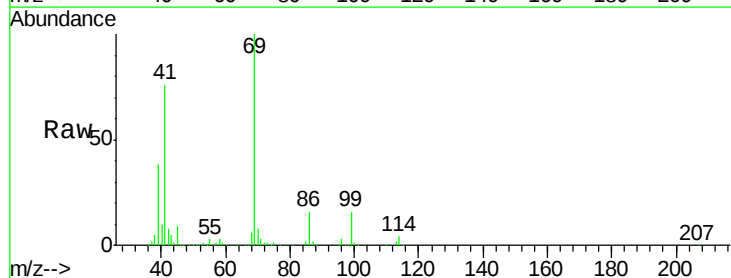
Manual Integrations  
 APPROVED

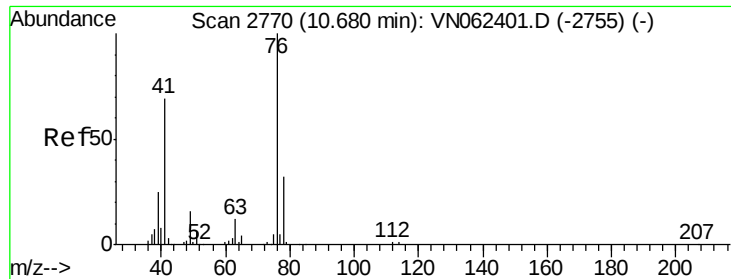
MMDadoda  
 7/10/2020 9:24:04 AM



#56  
 Ethyl methacrylate  
 Concen: 53.454 ug/l  
 RT: 10.40 min Scan# 2683  
 Delta R.T. 0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 255868 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 75.2  | 59.7  | 89.5   |
| 39       | 37.6  | 30.6  | 45.8   |





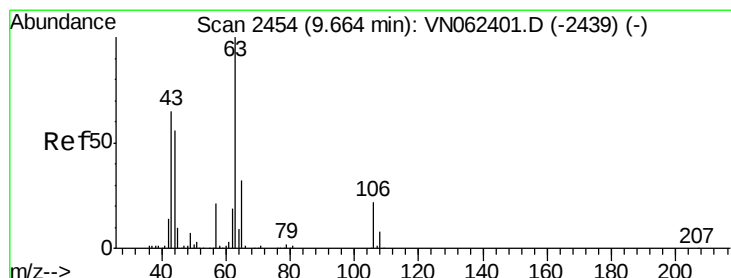
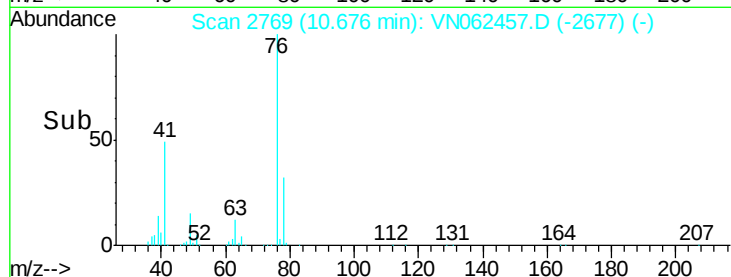
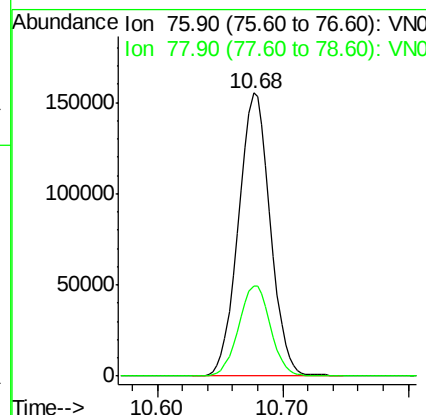
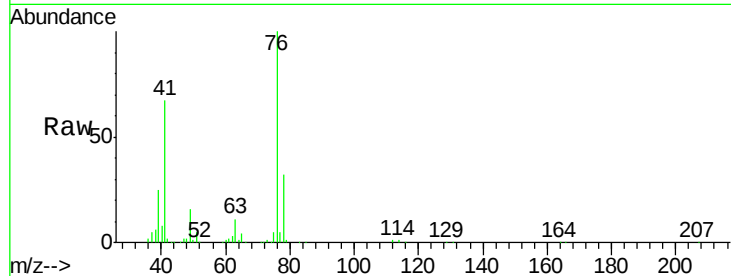
#57  
 1,3-Dichloropropane  
 Concen: 57.055 ug/l  
 RT: 10.68 min Scan# 2769  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 25.6  | 38.4  |

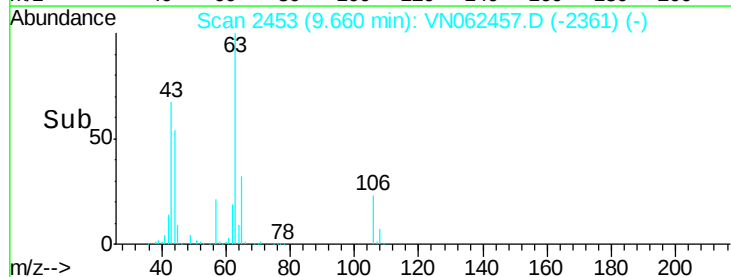
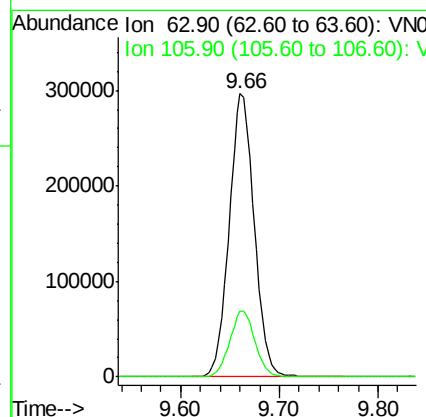
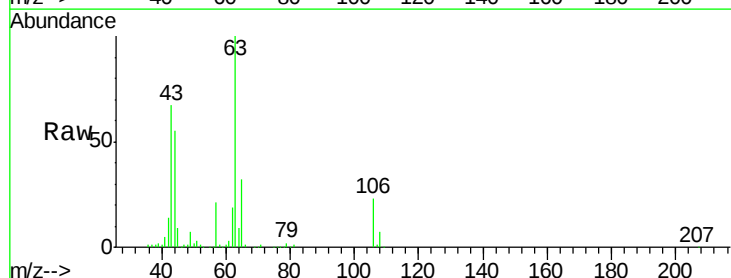
Manual Integrations  
 APPROVED

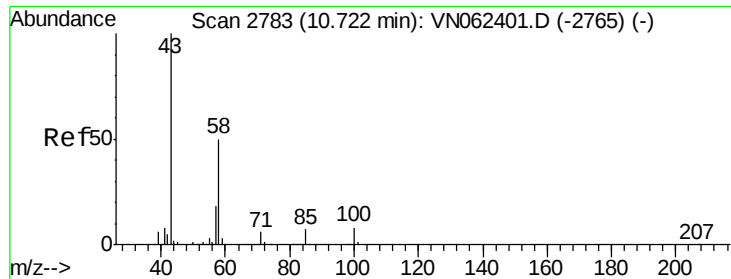
MMDadoda  
 7/10/2020 9:24:04 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 342.303 ug/l  
 RT: 9.66 min Scan# 2453  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 23.4  | 17.6  | 26.4  |





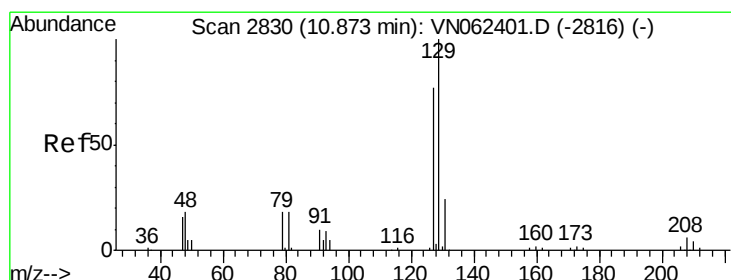
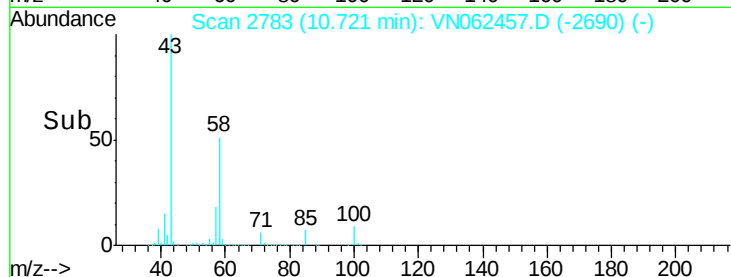
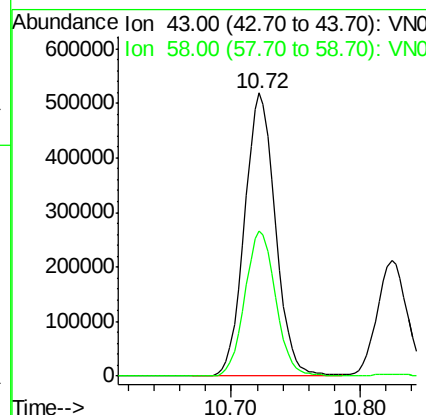
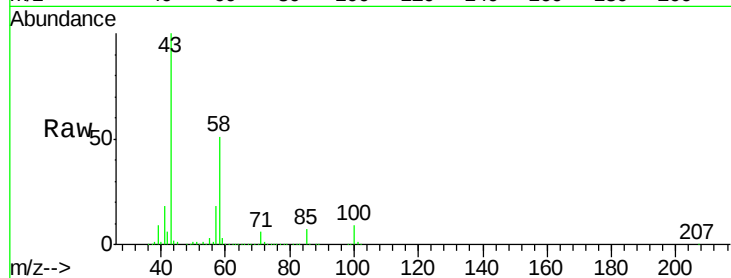
#59  
2-Hexanone  
Concen: 278.448 ug/l  
RT: 10.72 min Scan# 2783  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 43   | Resp  | 864395 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 51.3 | 25.1  | 75.2   |

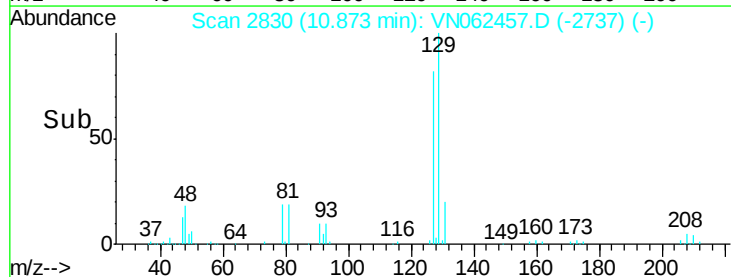
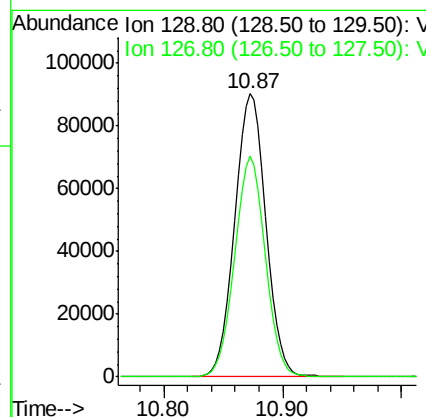
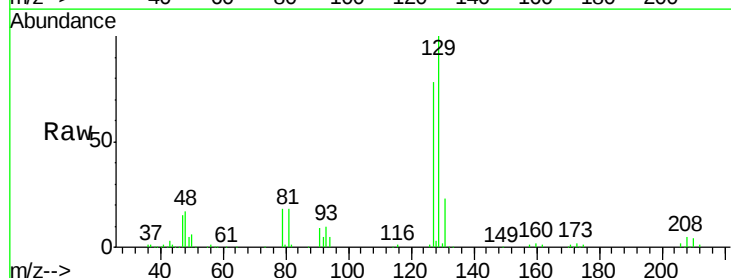
Manual Integrations  
APPROVED

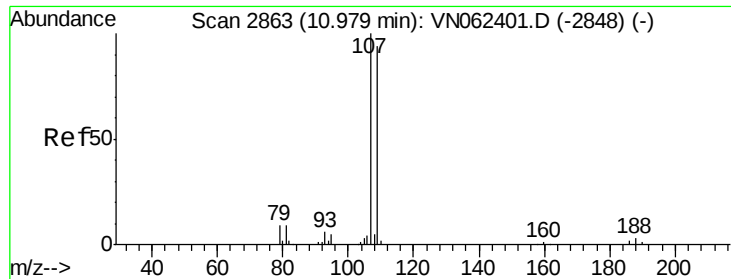
MMDadoda  
7/10/2020 9:24:04 AM



#60  
Dibromochloromethane  
Concen: 58.314 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion   | 129  | Resp | 164078 |       |
|-----------|------|------|--------|-------|
| Ion Ratio | 129  | 100  | Lower  | Upper |
| 129       | 100  |      |        |       |
| 127       | 76.4 | 38.6 | 115.8  |       |





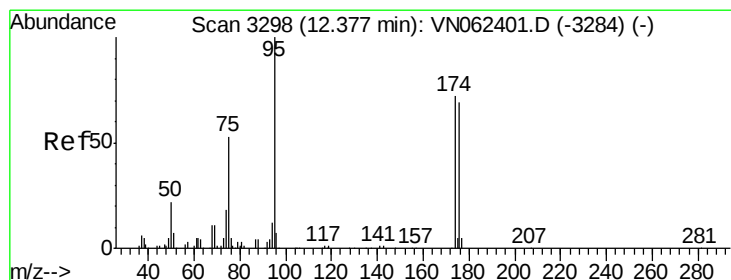
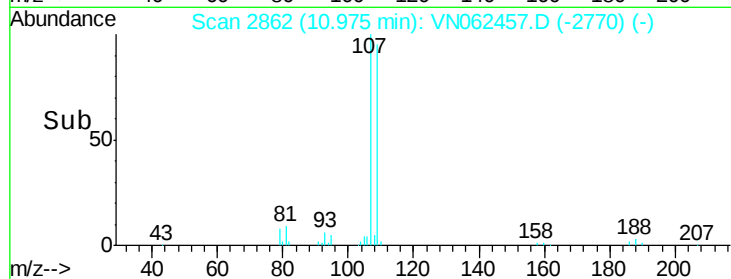
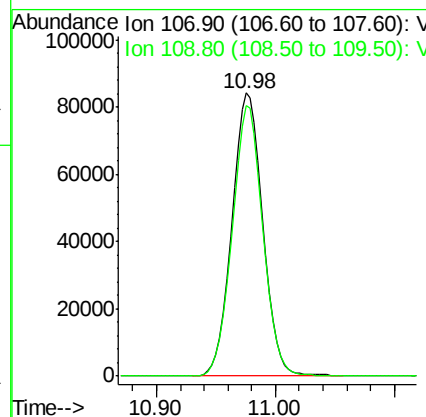
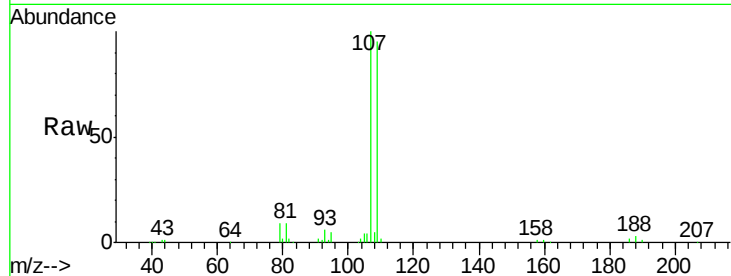
#61  
 1,2-Dibromoethane  
 Concen: 57.453 ug/l  
 RT: 10.98 min Scan# 2862  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 150501 |       |       |
| 109     | 95.2  | 75.6   | 113.4 |       |

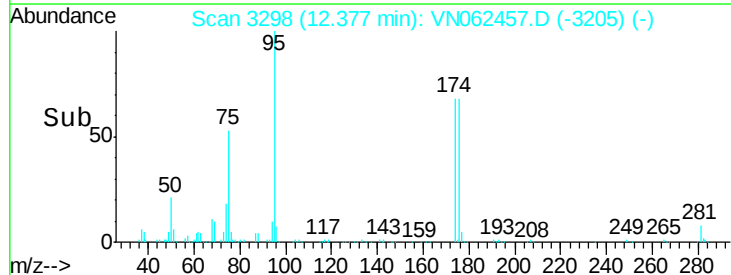
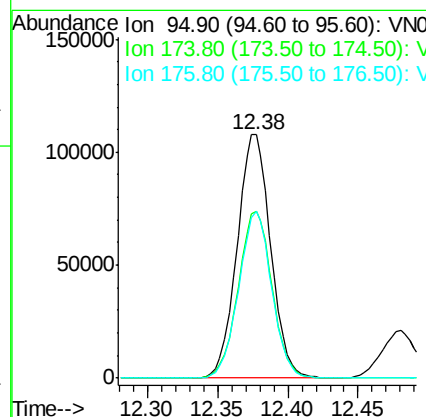
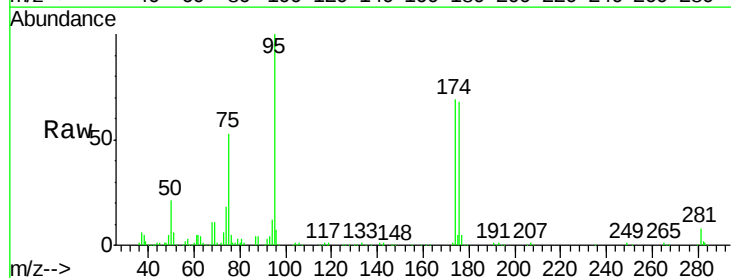
Manual Integrations  
 APPROVED

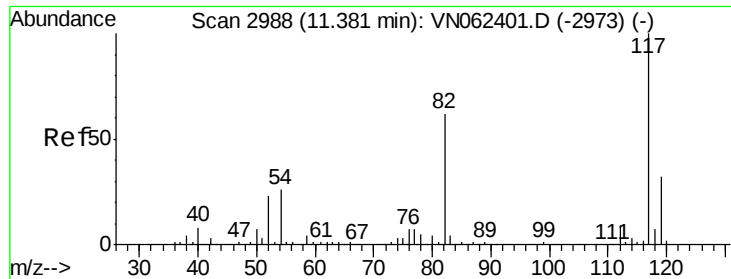
MMDadoda  
 7/10/2020 9:24:04 AM



#62  
 4-Bromofluorobenzene  
 Concen: 52.324 ug/l  
 RT: 12.38 min Scan# 3298  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 179498 |       |       |
| 174     | 69.2  | 0.0    | 141.6 |       |
| 176     | 67.4  | 0.0    | 137.2 |       |





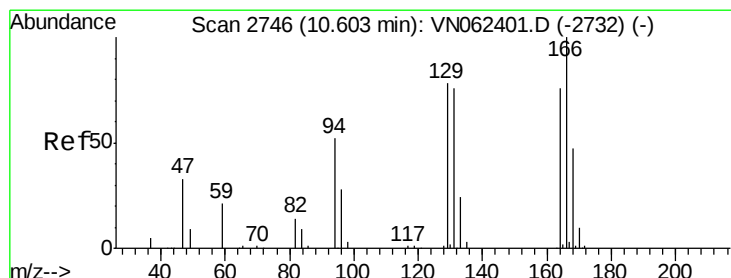
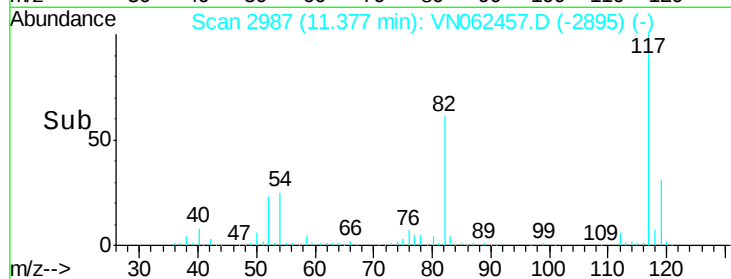
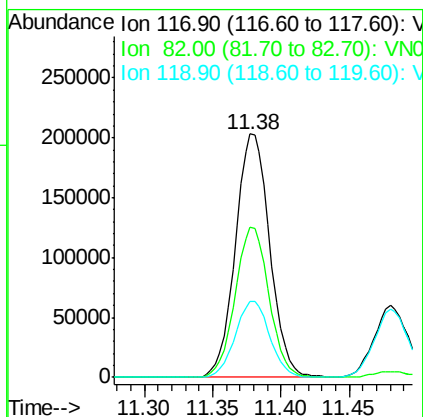
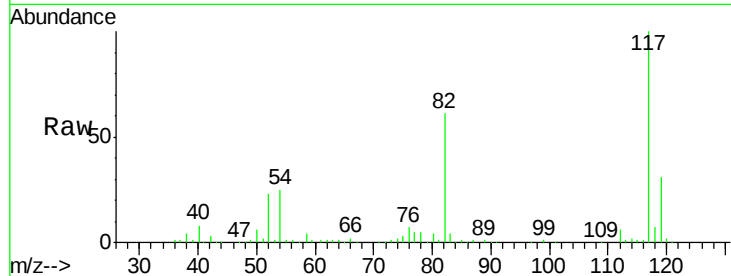
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2987  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 61.5  | 49.6  | 74.4  |
| 119     | 31.1  | 25.4  | 38.0  |

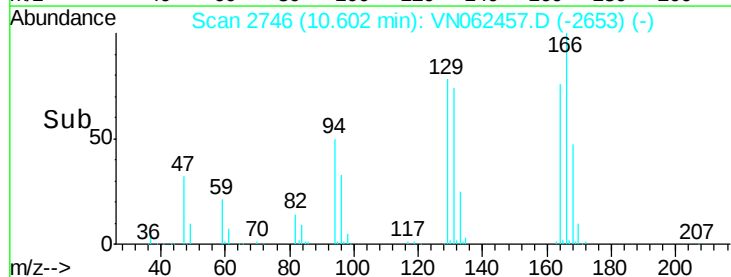
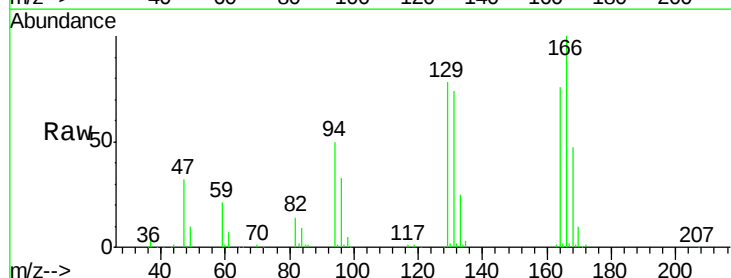
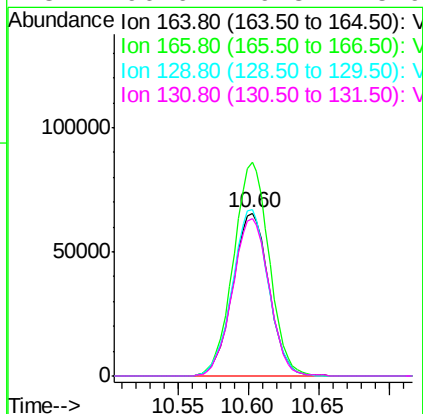
Manual Integrations  
APPROVED

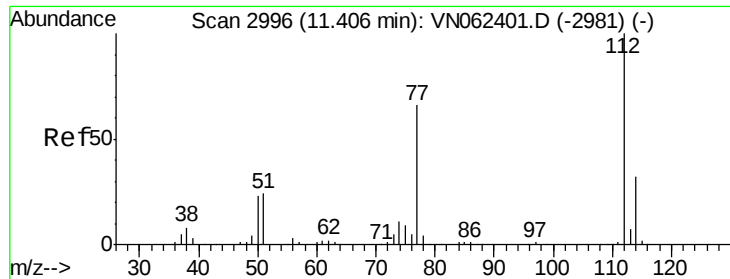
MMDadoda  
7/10/2020 9:24:04 AM



#64  
Tetrachloroethene  
Concen: 55.919 ug/l  
RT: 10.60 min Scan# 2746  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.1 | 104.9 | 157.3 |
| 129     | 102.4 | 81.8  | 122.6 |
| 131     | 96.6  | 79.3  | 118.9 |





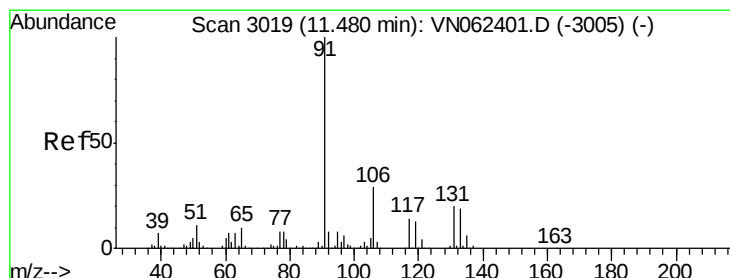
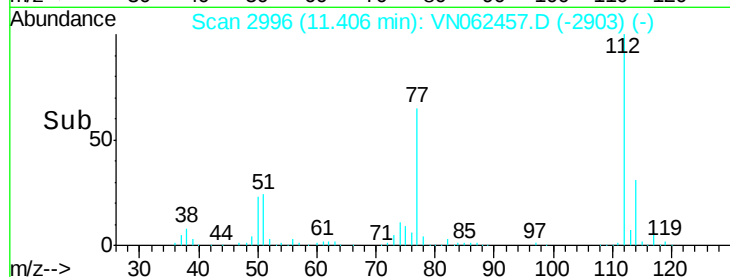
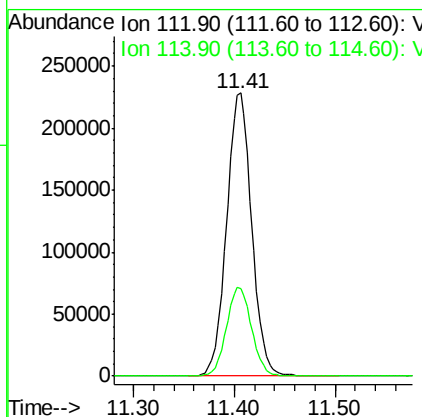
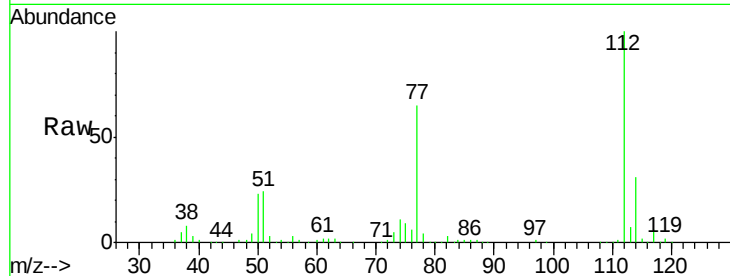
#65  
Chlorobenzene  
Concen: 57.416 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 395921  
Ion Ratio Lower Upper  
112 100  
114 31.1 25.9 38.9

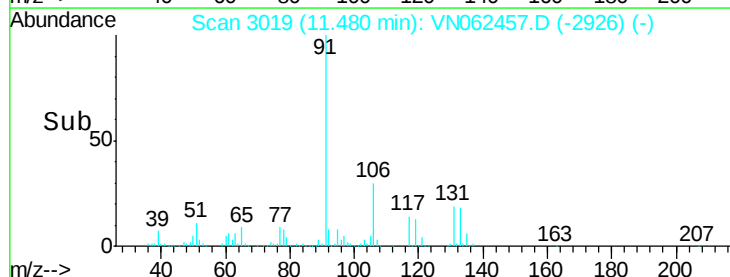
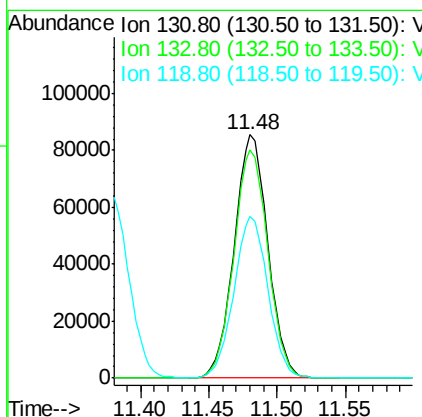
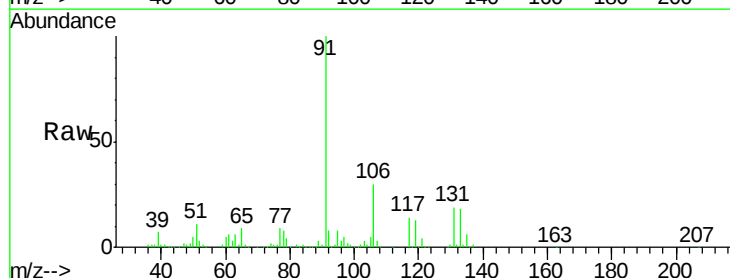
Manual Integrations  
APPROVED

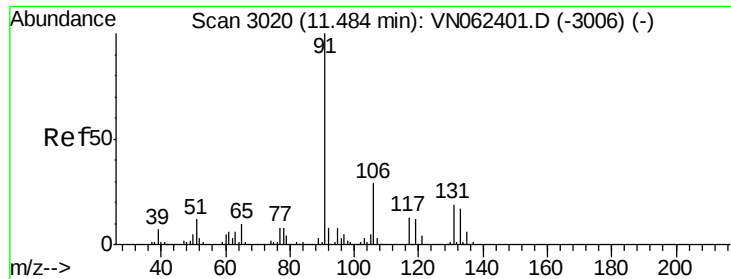
MMDadoda  
7/10/2020 9:24:04 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 57.732 ug/l  
RT: 11.48 min Scan# 3019  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Tgt Ion:131 Resp: 146806  
Ion Ratio Lower Upper  
131 100  
133 94.8 46.9 140.8  
119 67.1 33.2 99.6





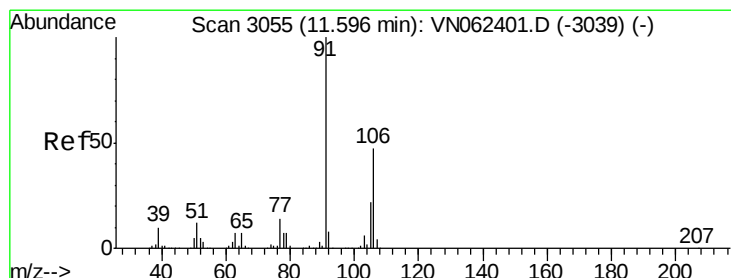
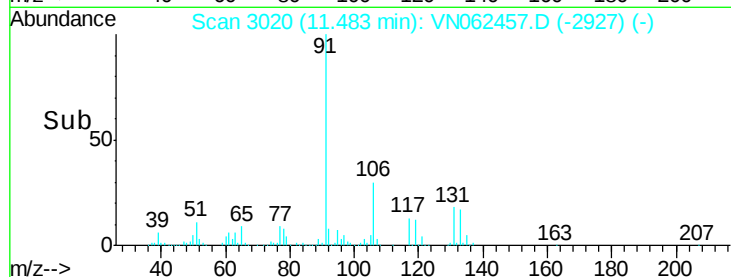
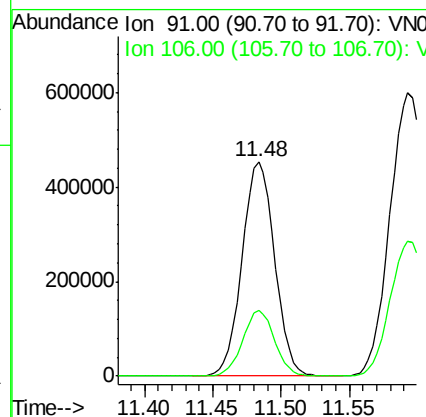
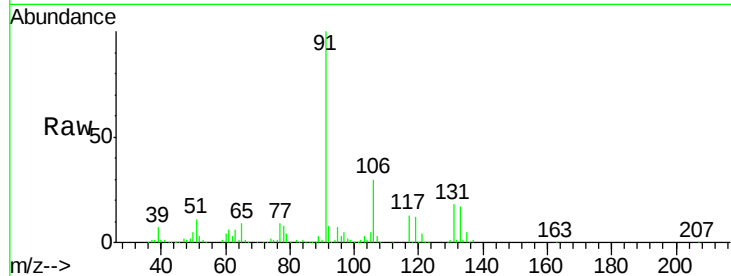
#67  
Ethyl Benzene  
Concen: 58.163 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 752850  
Ion Ratio Lower Upper  
91 100  
106 30.4 23.4 35.2

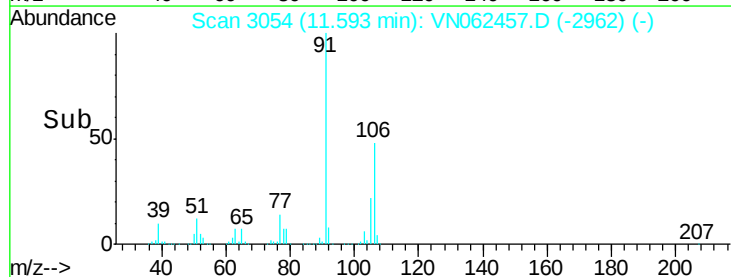
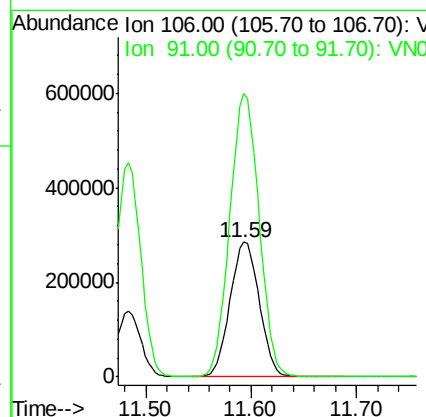
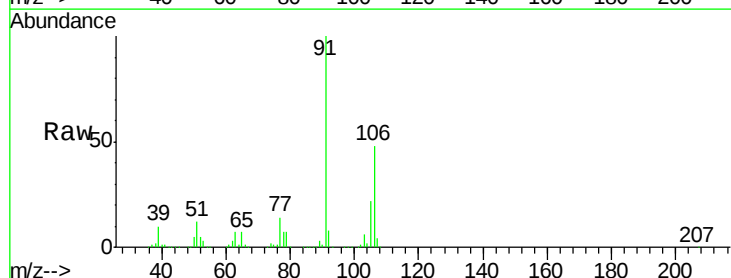
Manual Integrations  
APPROVED

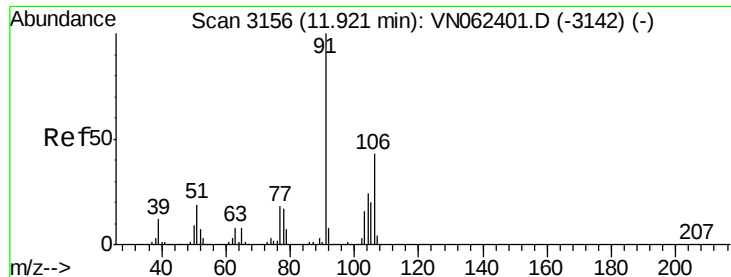
MMDadoda  
7/10/2020 9:24:04 AM



#68  
m/p-Xylenes  
Concen: 119.338 ug/l  
RT: 11.59 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Tgt Ion: 106 Resp: 546829  
Ion Ratio Lower Upper  
106 100  
91 210.1 172.4 258.6





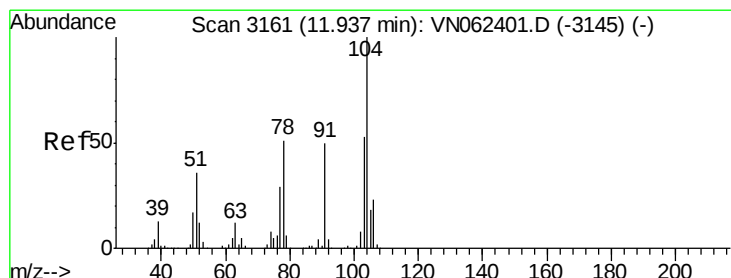
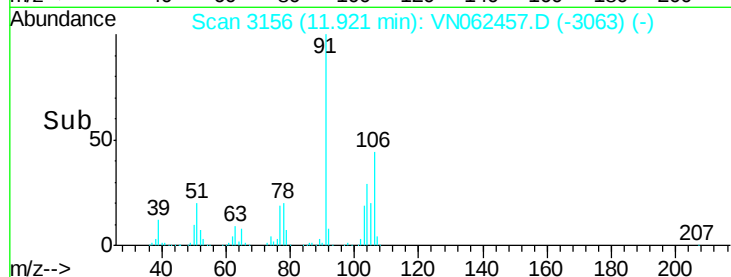
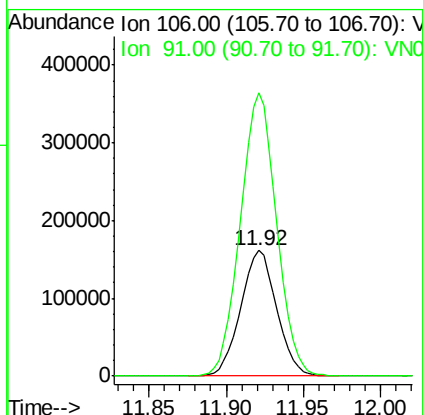
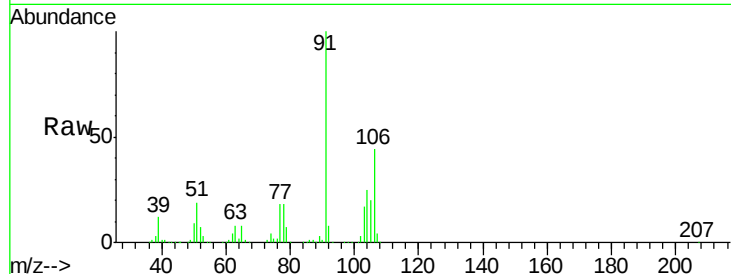
#69  
o-Xylene  
Concen: 58.573 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 227.1 | 113.8 | 341.4 |

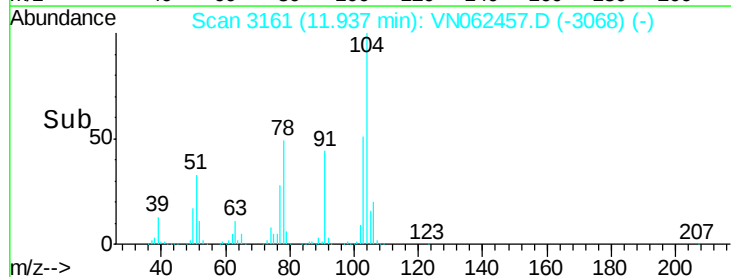
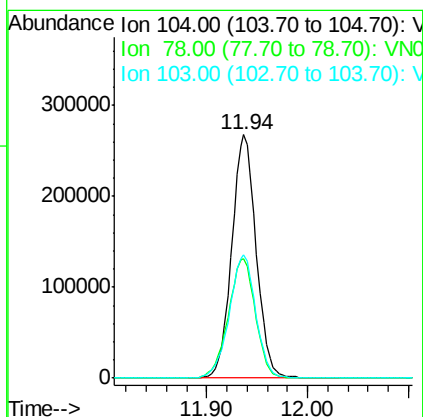
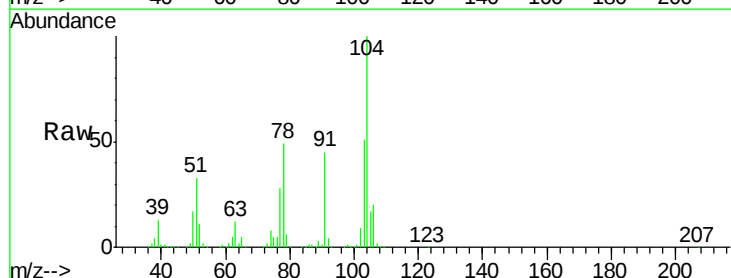
Manual Integrations  
APPROVED

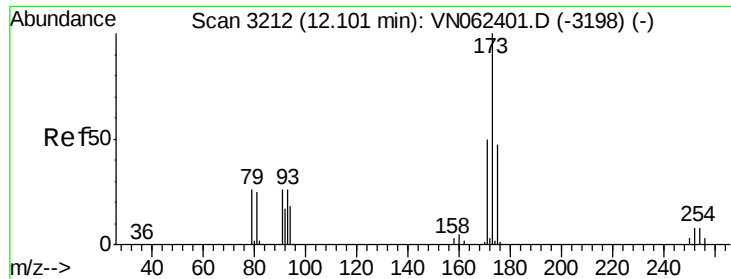
MMDadoda  
7/10/2020 9:24:04 AM



#70  
Styrene  
Concen: 61.143 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 54.8  | 44.2  | 66.4  |
| 103     | 55.0  | 44.4  | 66.6  |





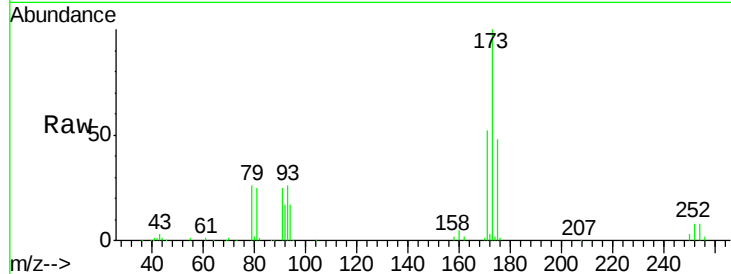
#71  
Bromoform  
Concen: 58.940 ug/l  
RT: 12.10 min Scan# 3212  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.2  | 23.7  | 71.1  |
| 254     | 0.0   | 0.0   | 0.0   |

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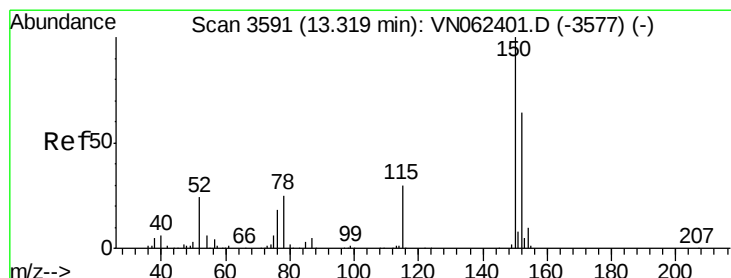
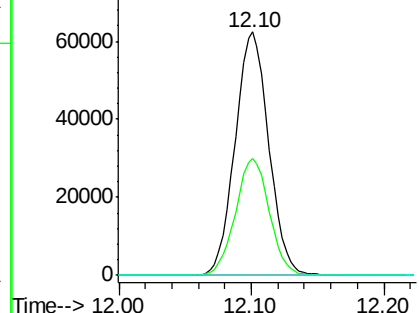
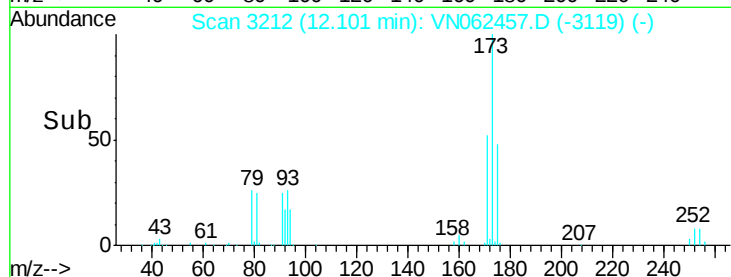


Abundance

Ion 172.70 (172.40 to 173.40): V

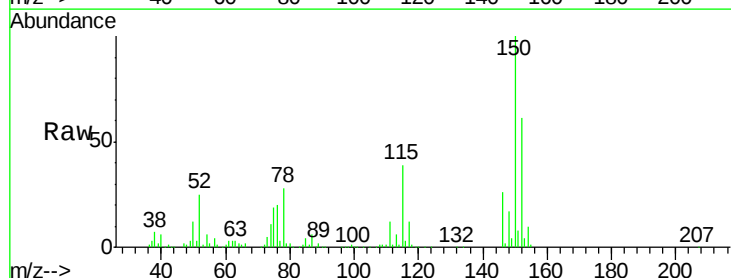
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 64.2  | 31.4  | 94.2  |
| 150     | 176.0 | 0.0   | 347.4 |

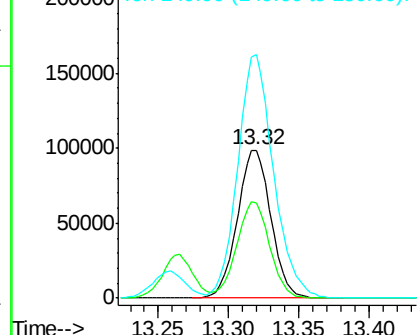
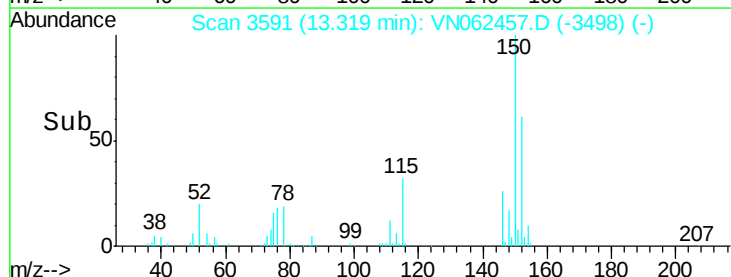


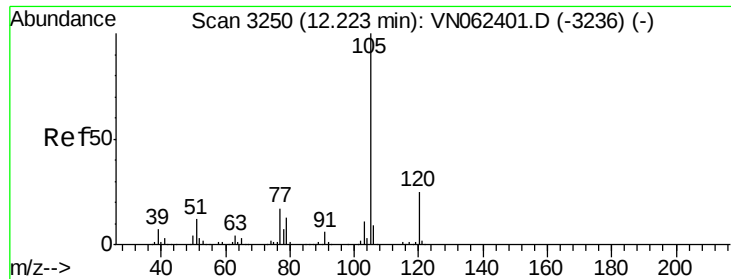
Abundance

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: 56.112 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 712191

Ion Ratio Lower Upper

105 100

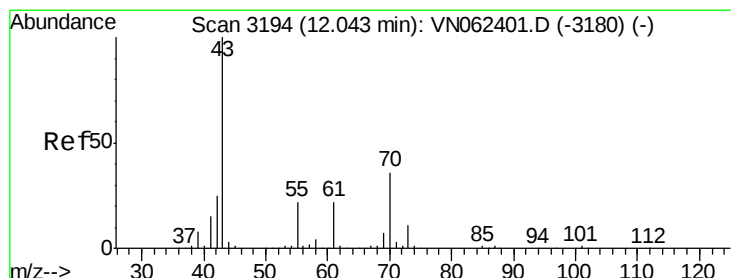
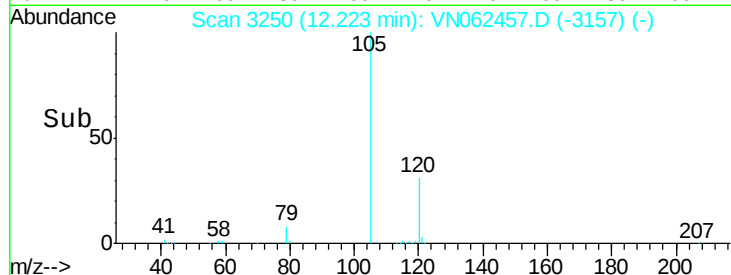
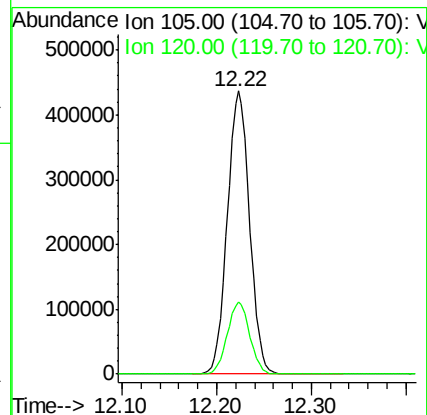
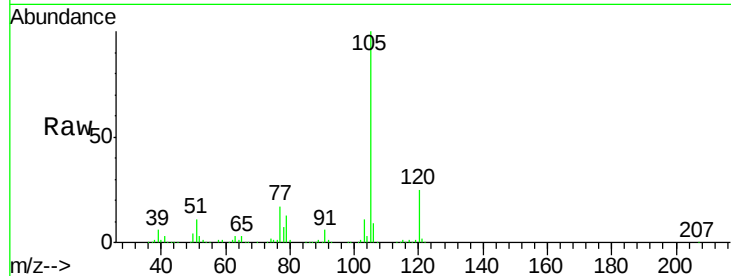
120 25.5 12.7 38.1

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#74

N-ethyl acetate

Concen: 57.003 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Tgt Ion: 43 Resp: 352145

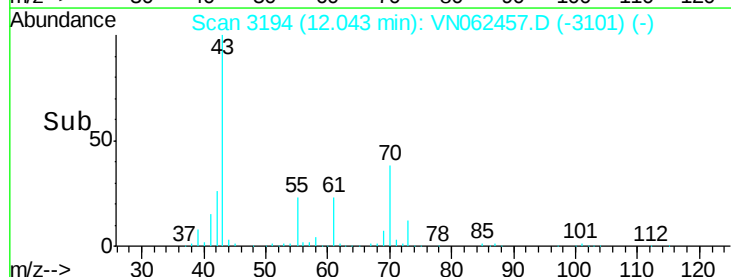
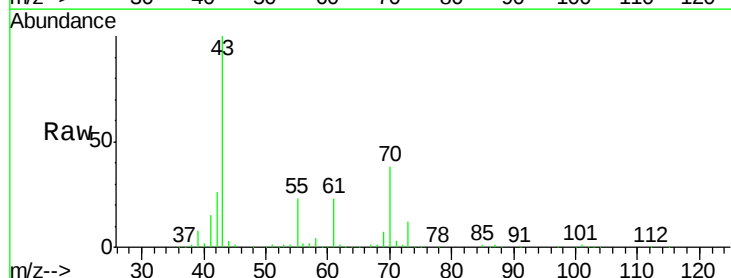
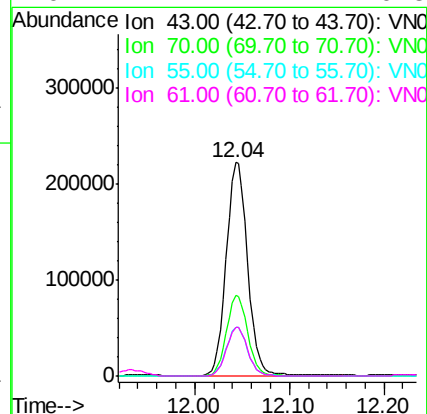
Ion Ratio Lower Upper

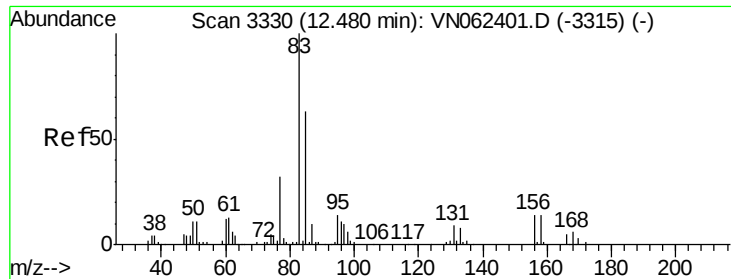
43 100

70 37.3 30.0 45.0

55 22.9 18.2 27.4

61 22.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.565 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

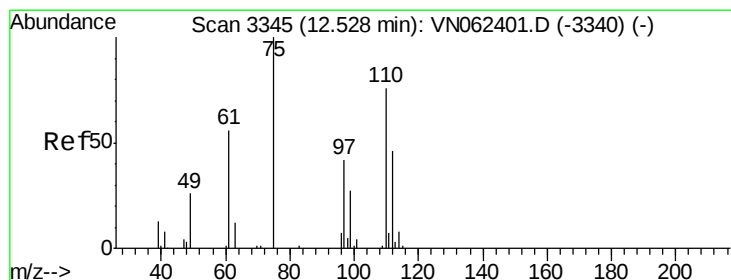
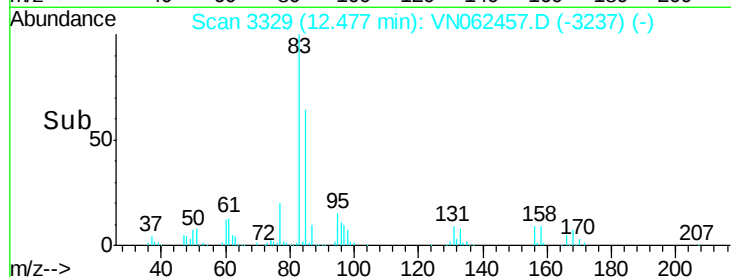
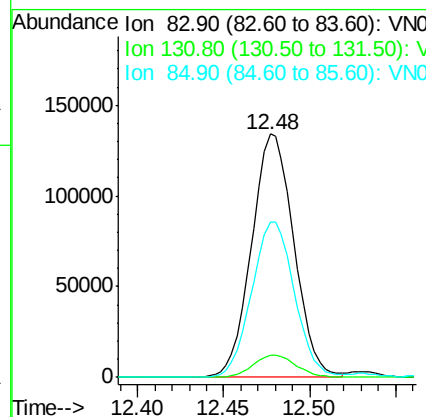
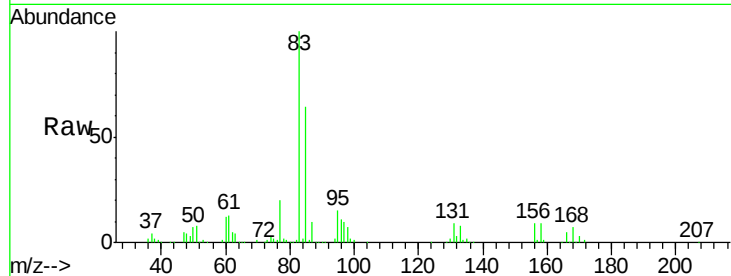
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 228591 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.3   | 4.5   | 13.5   |
| 85        | 64.5  | 31.9  | 95.9   |

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#76

1,2,3-Trichloropropane

Concen: 49.578 ug/l m

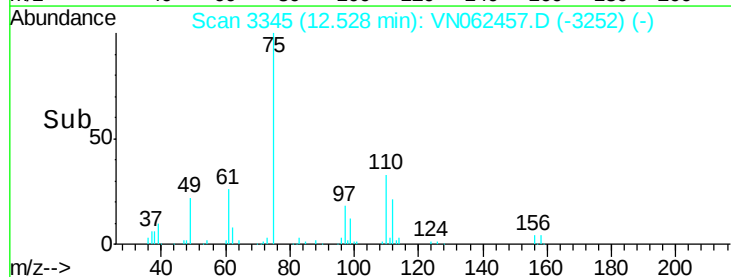
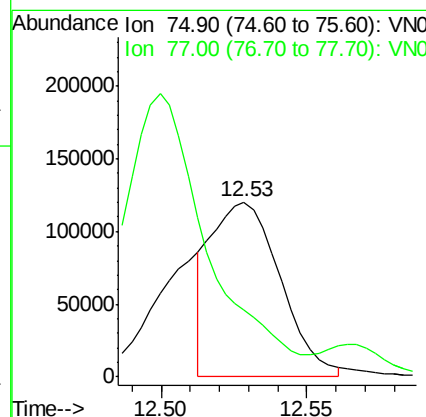
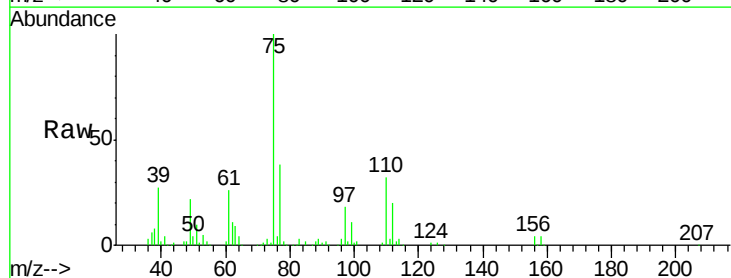
RT: 12.53 min Scan# 3345

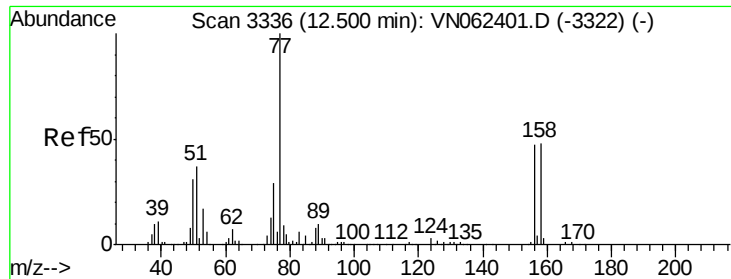
Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 199525 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 55.667 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

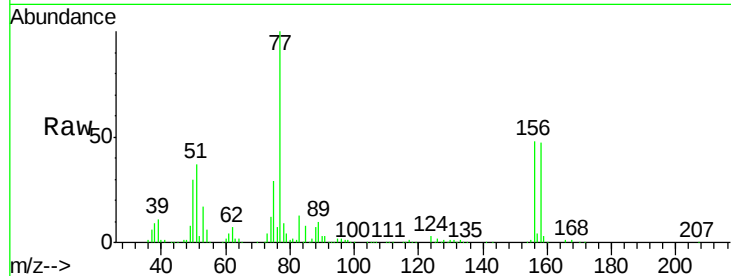
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 246.0 | 126.4 | 379.3 |
| 158     | 97.3  | 49.8  | 149.4 |

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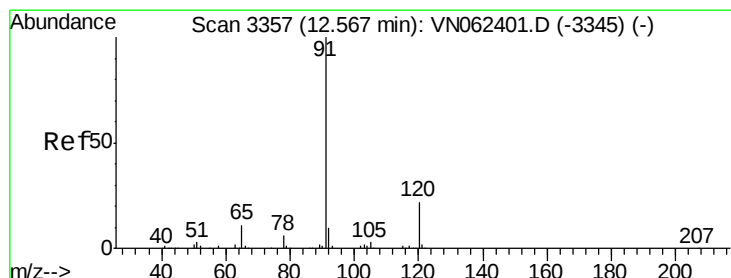
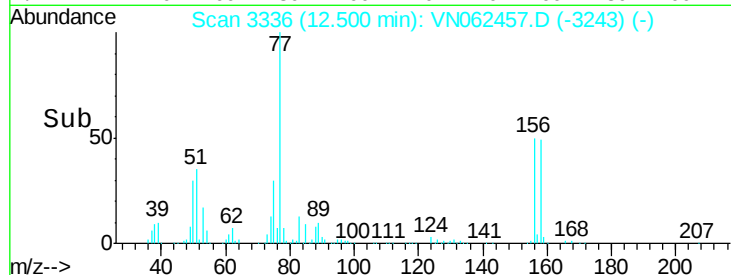
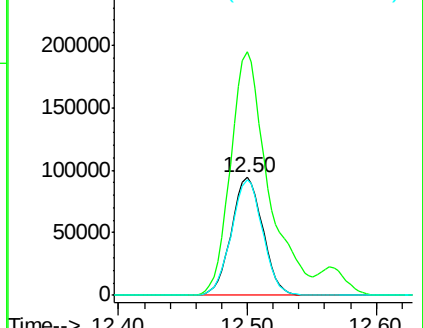
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.350 ug/l

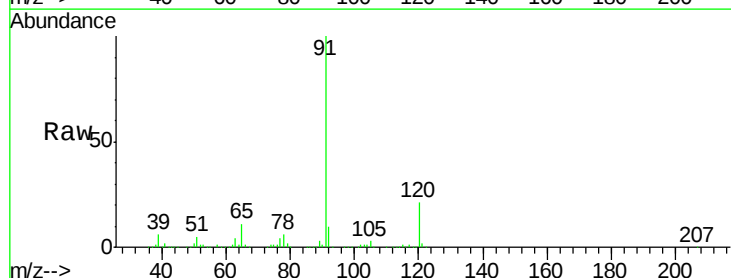
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062457.D

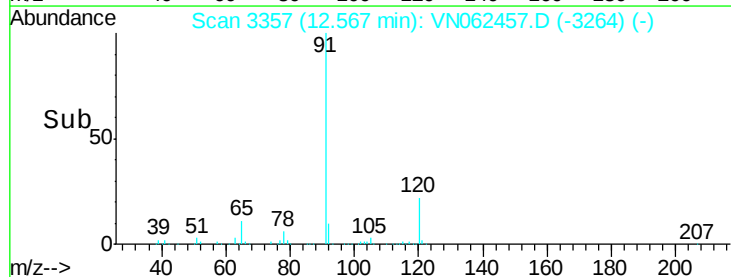
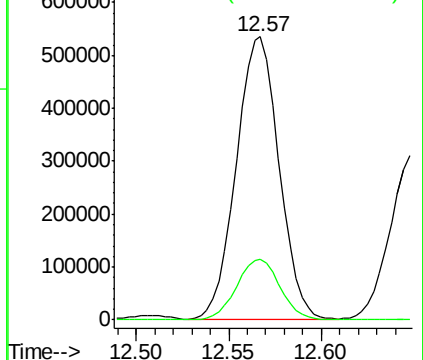
Acq: 9 Jul 2020 15:26

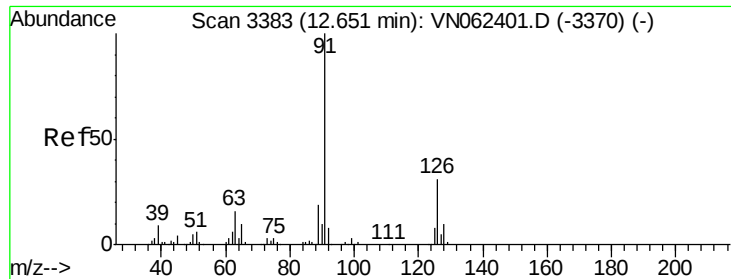
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 21.6  | 10.7  | 32.1  |



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.991 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 503816

Ion Ratio Lower Upper

91 100

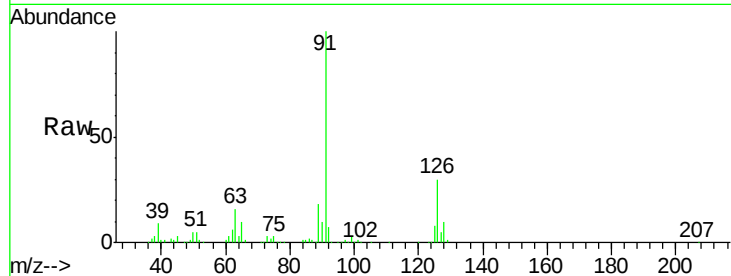
126 31.0 15.6 46.7

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Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062401.D (-3370) (-)

400000

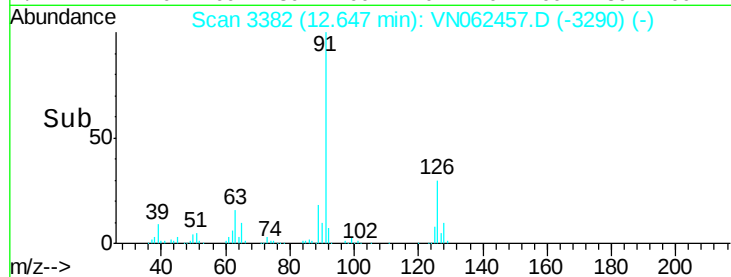
300000

200000

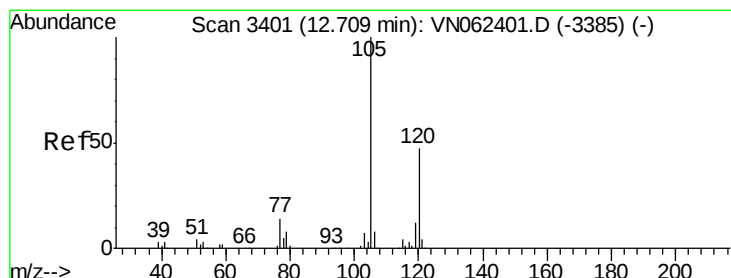
100000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 57.879 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062457.D

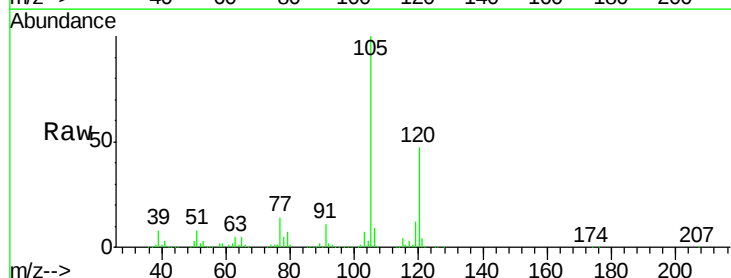
Acq: 9 Jul 2020 15:26

Tgt Ion: 105 Resp: 602222

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062401.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062401.D (-3385) (-)

400000

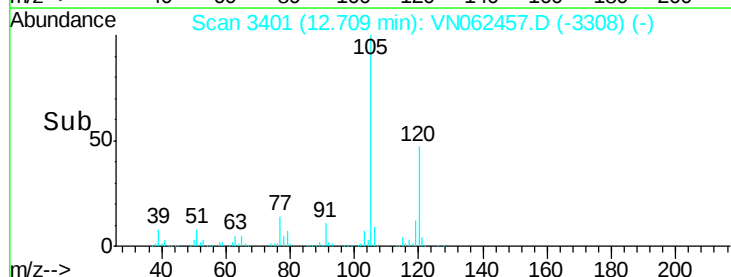
300000

200000

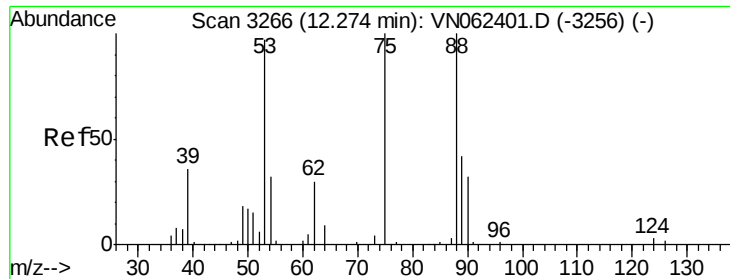
100000

0

12.60 12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 51.490 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

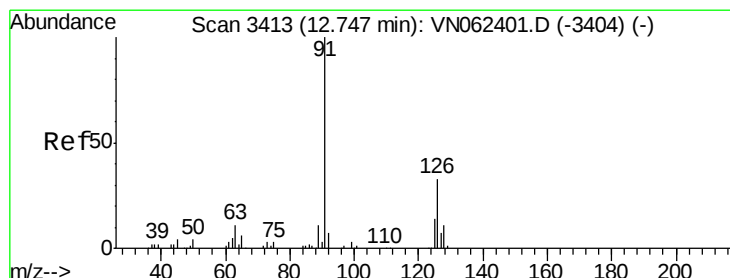
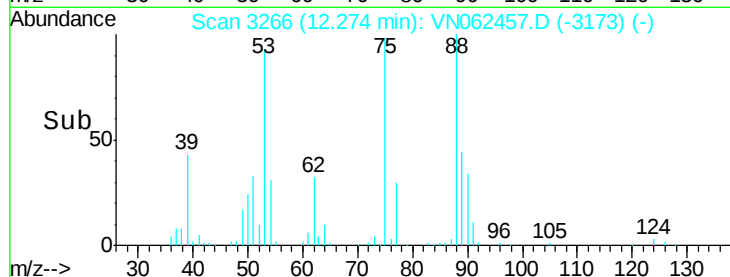
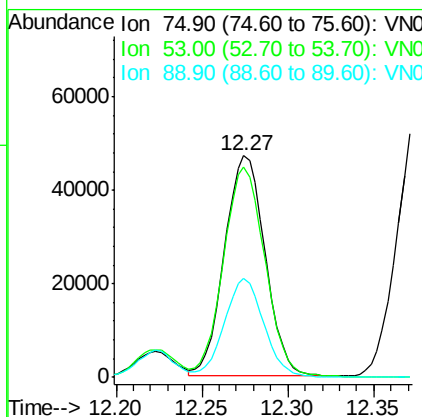
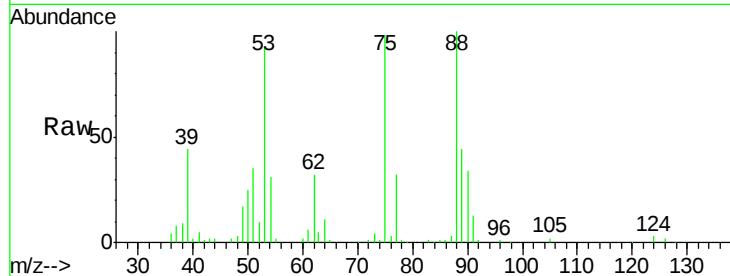
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 77420 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 98.4  | 79.2  | 118.8 |
| 89       | 43.7  | 34.6  | 52.0  |

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#82

4-Chlorotoluene

Concen: 58.111 ug/l

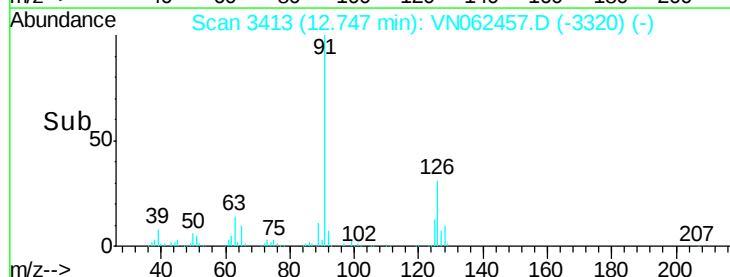
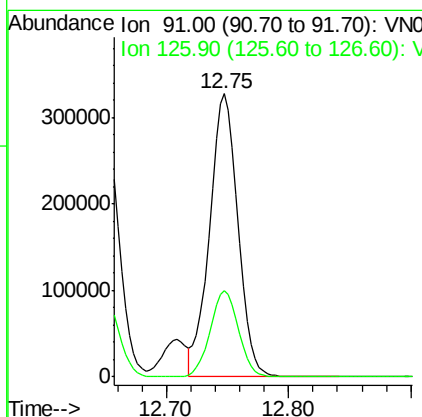
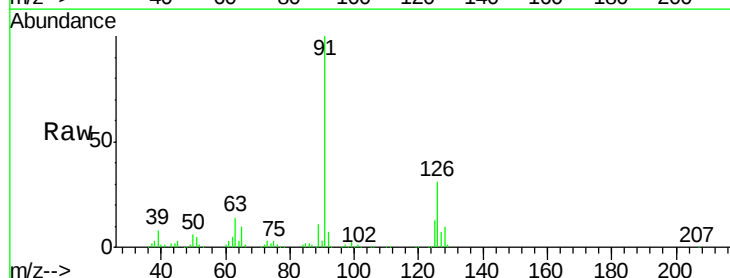
RT: 12.75 min Scan# 3413

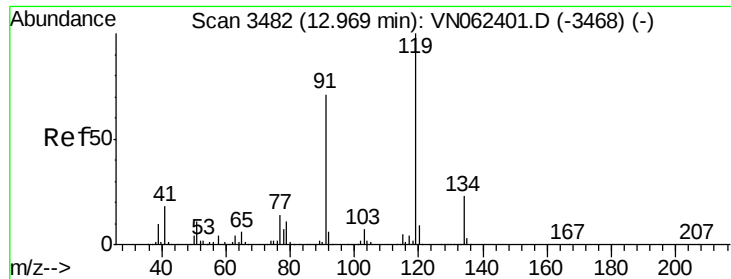
Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 530853 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 30.6  | 15.2  | 45.6   |





#83

tert-Butylbenzene

Concen: 56.793 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

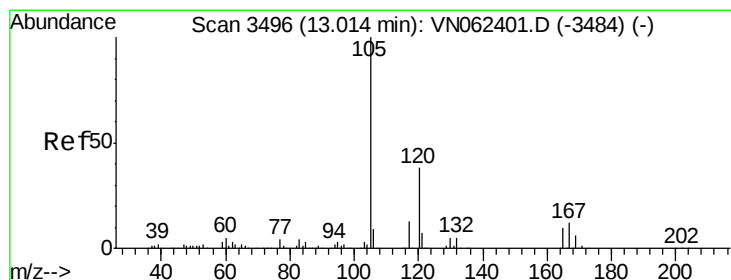
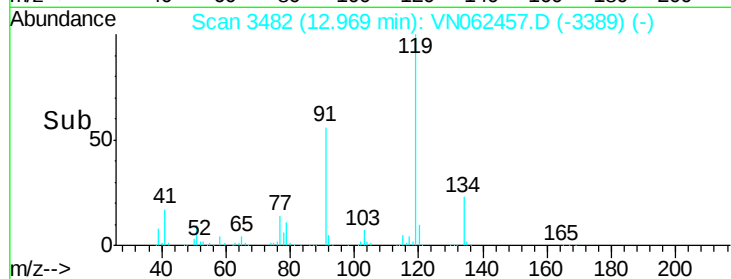
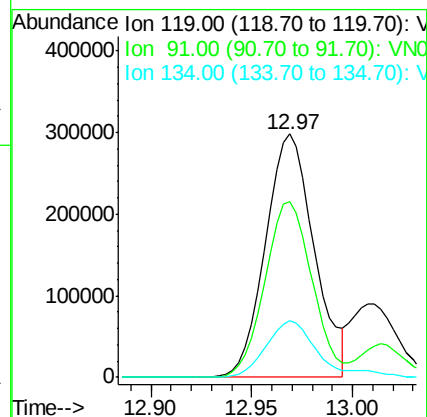
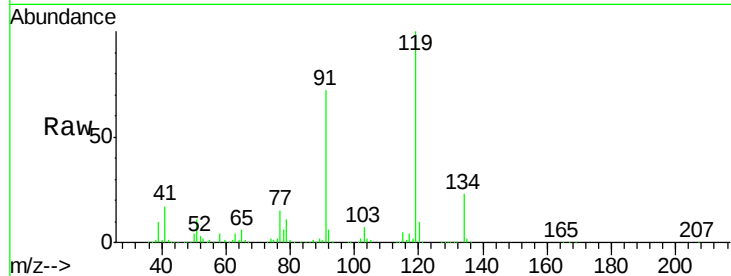
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 501469 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 70.2  | 34.8  | 104.3  |
| 134       | 24.9  | 11.7  | 35.0   |

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#84

1,2,4-Trimethylbenzene

Concen: 58.764 ug/l

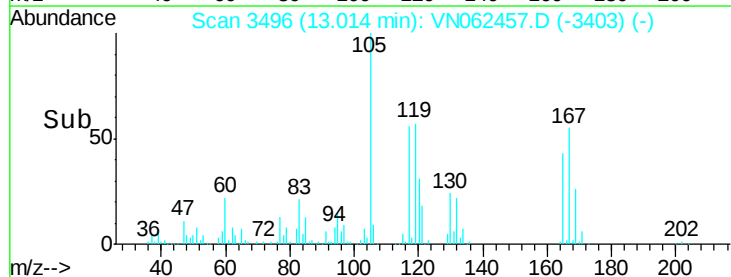
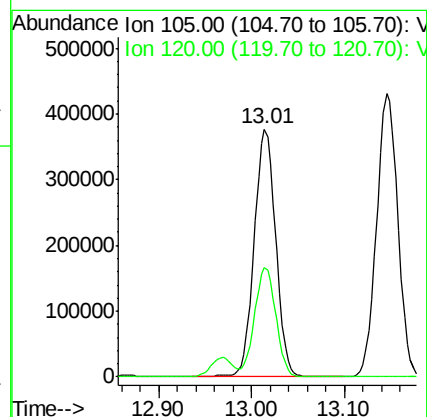
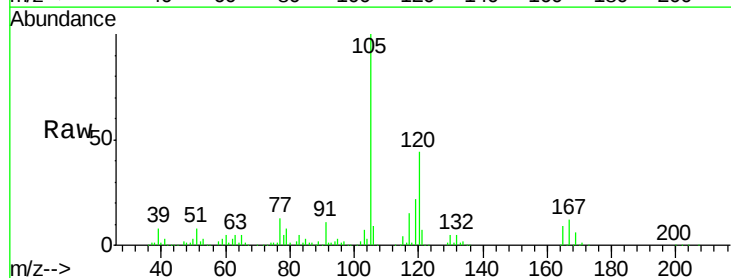
RT: 13.01 min Scan# 3496

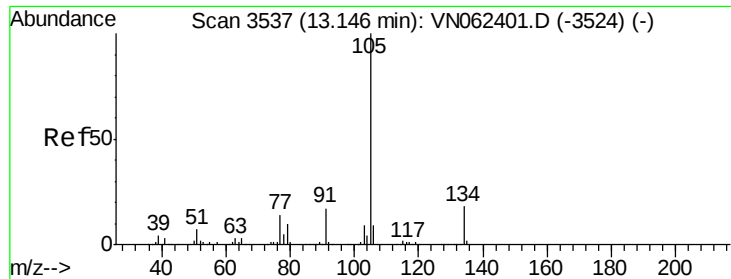
Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 607744 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 43.7  | 21.6  | 64.8   |





#85

sec-Butylbenzene

Concen: 58.412 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 683448

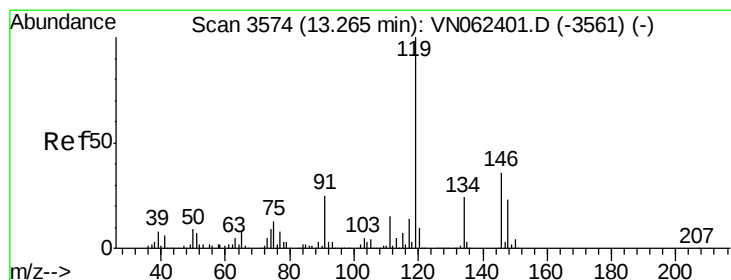
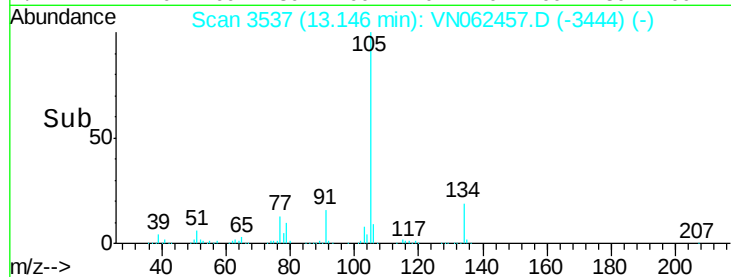
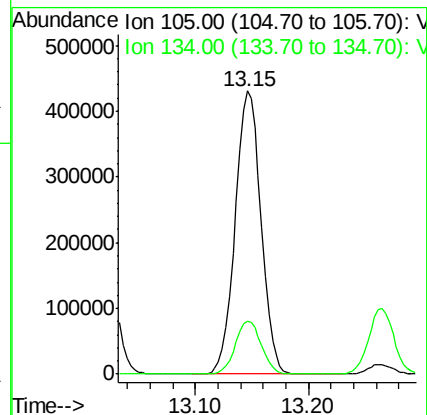
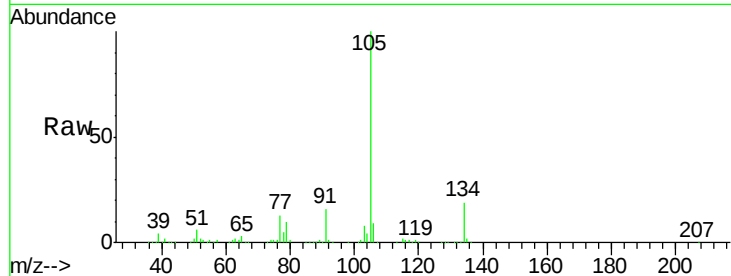
Ion Ratio Lower Upper

105 100

134 18.7 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 60.022 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

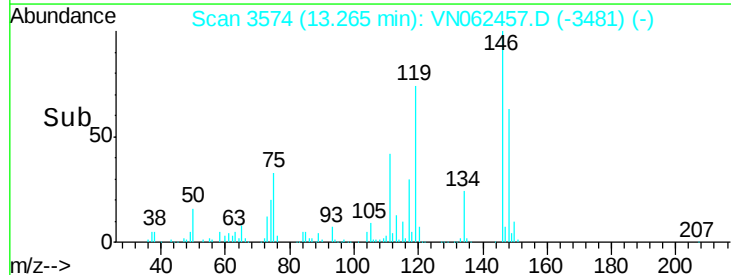
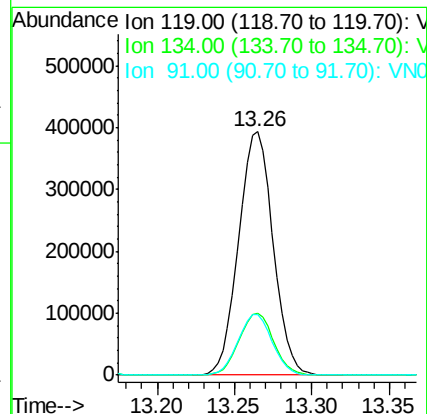
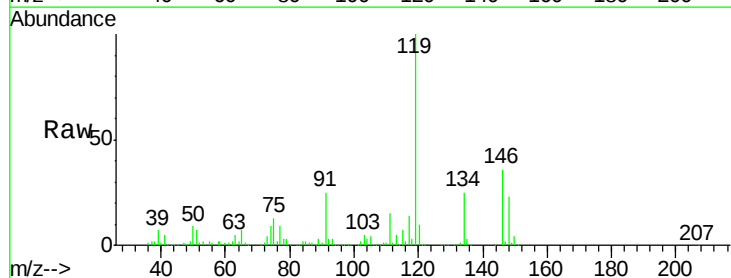
Tgt Ion:119 Resp: 606131

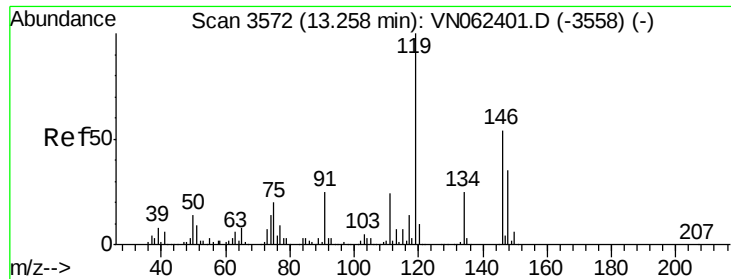
Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.0

91 24.7 12.4 37.4





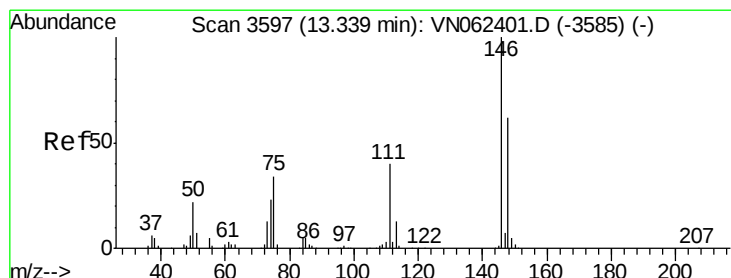
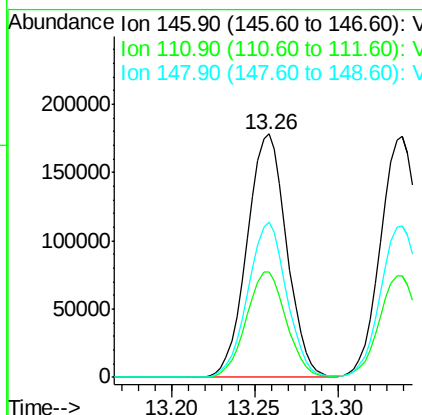
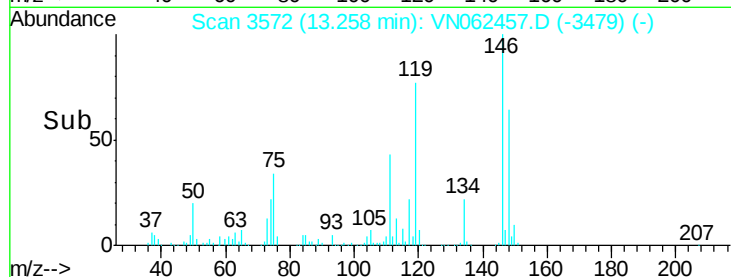
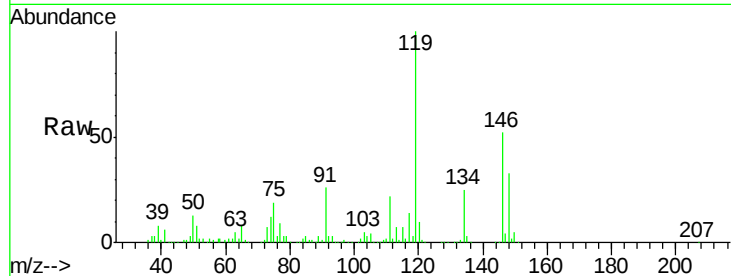
#87  
 1,3-Dichlorobenzene  
 Concen: 59.503 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 296195 |       |       |
| 111     | 43.5  | 21.6   | 64.6  |       |
| 148     | 62.5  | 32.2   | 96.6  |       |

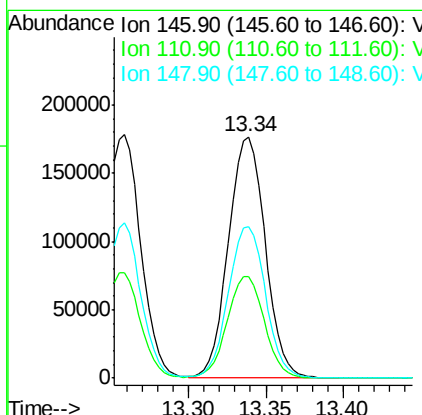
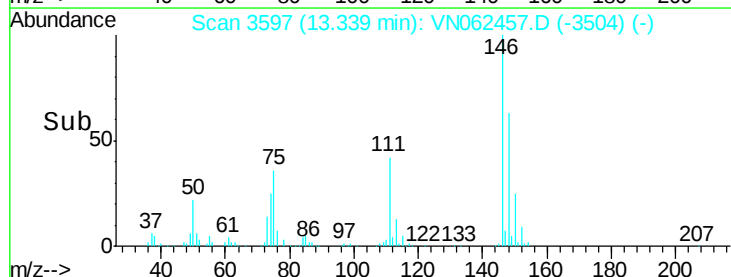
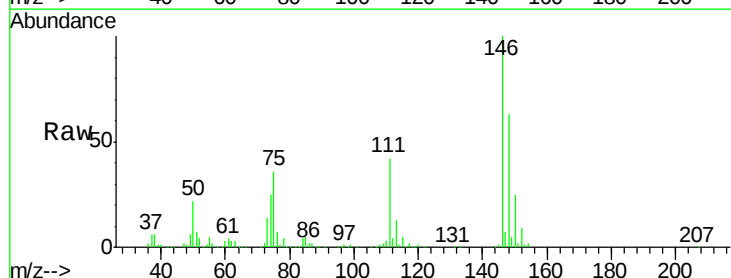
Manual Integrations  
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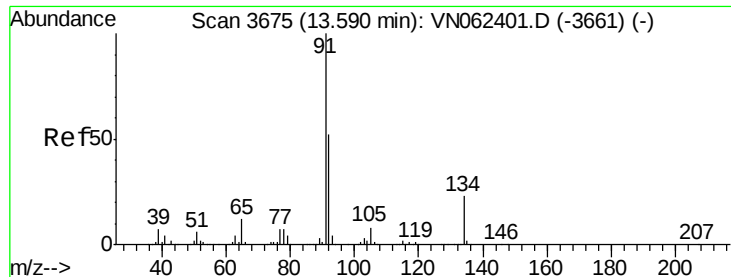
MMDadoda  
 7/10/2020 9:24:04 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 56.797 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 290911 |       |       |
| 111     | 42.4  | 21.1   | 63.1  |       |
| 148     | 63.9  | 31.4   | 94.2  |       |





#89

n-Butylbenzene

Concen: 61.883 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

Instrument :

MSVOA\_N

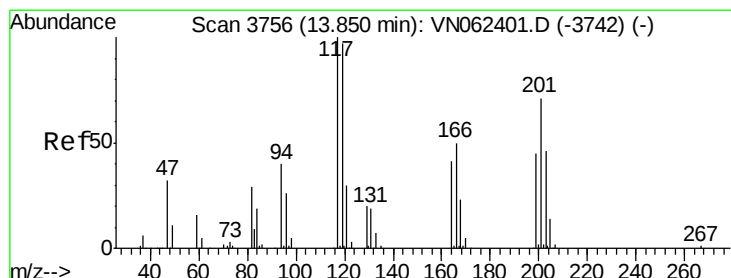
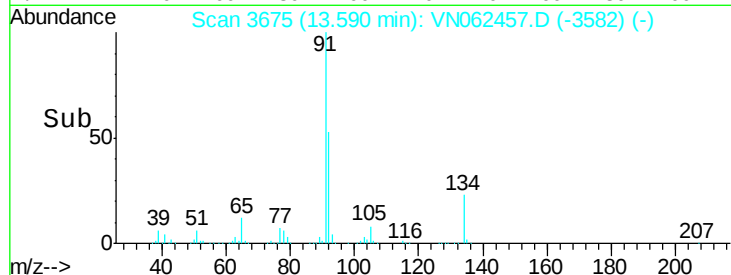
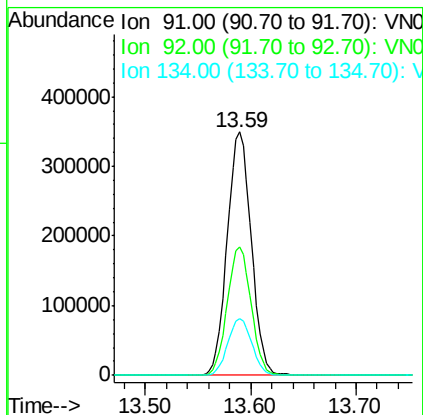
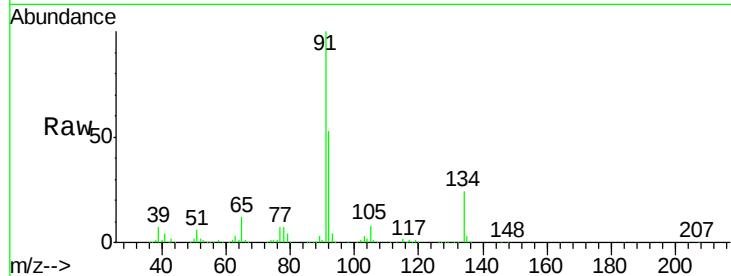
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 551788 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.2  | 25.9  | 77.7   |
| 134      | 23.4  | 11.6  | 34.8   |

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#90

Hexachloroethane

Concen: 55.031 ug/l

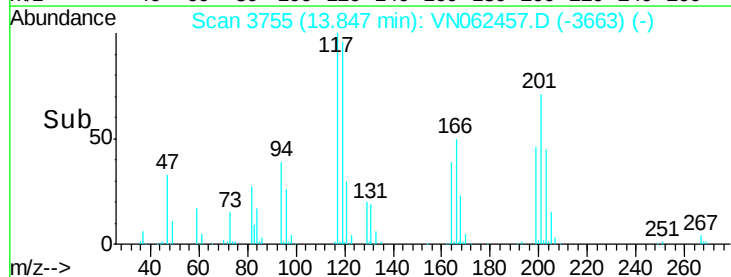
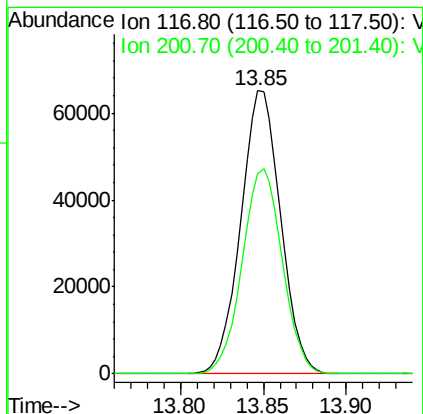
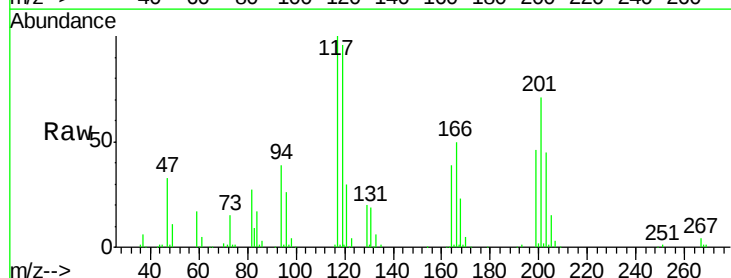
RT: 13.85 min Scan# 3755

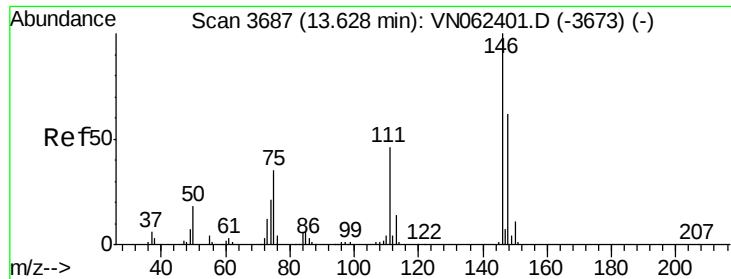
Delta R.T. -0.00 min

Lab File: VN062457.D

Acq: 9 Jul 2020 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 109320 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 201      | 72.7  | 35.4  | 106.2  |





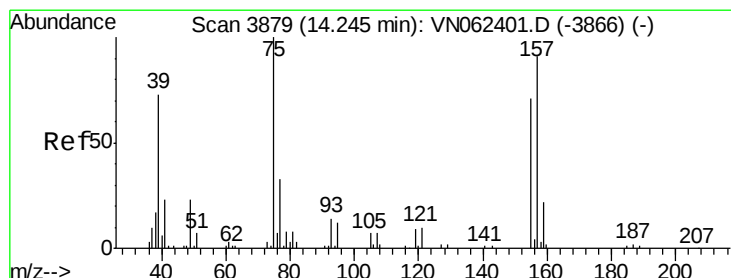
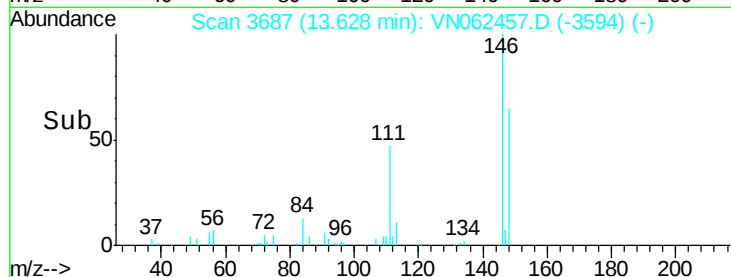
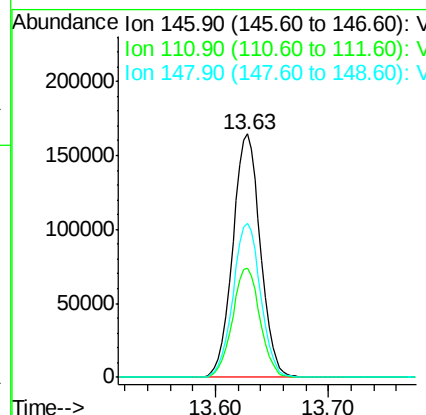
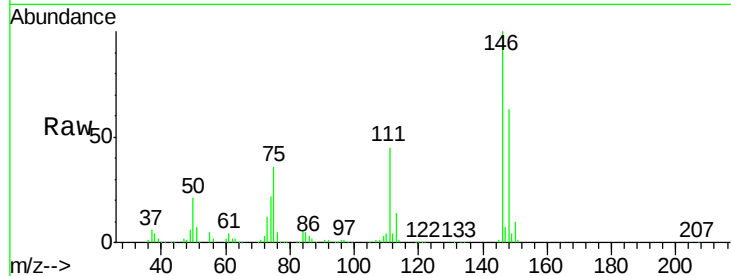
#91  
 1,2-Dichlorobenzene  
 Concen: 58.041 ug/l  
 RT: 13.63 min Scan# 3687  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.8  | 22.5  | 67.5  |
| 148     | 63.3  | 31.4  | 94.2  |

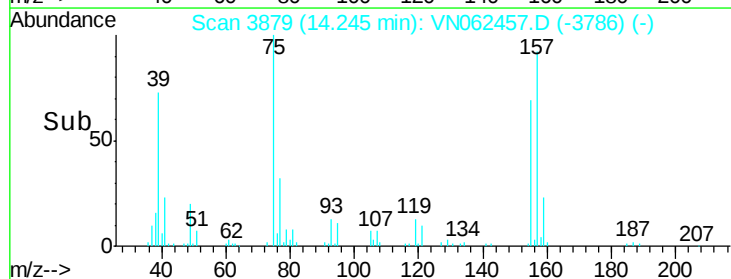
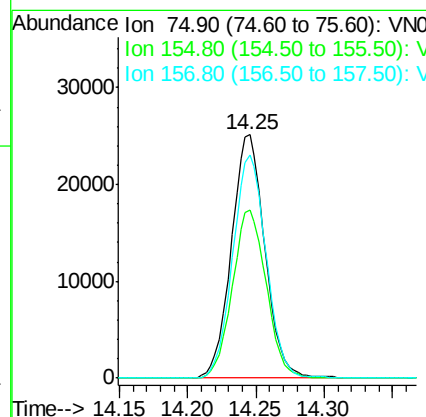
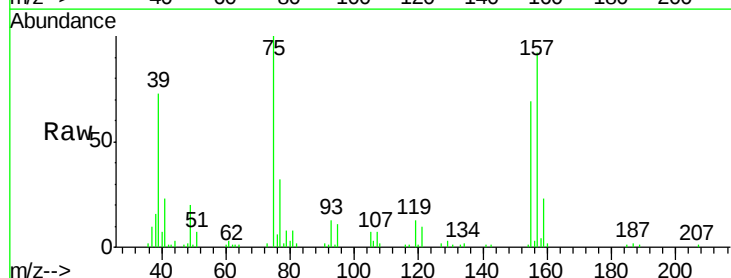
Manual Integrations  
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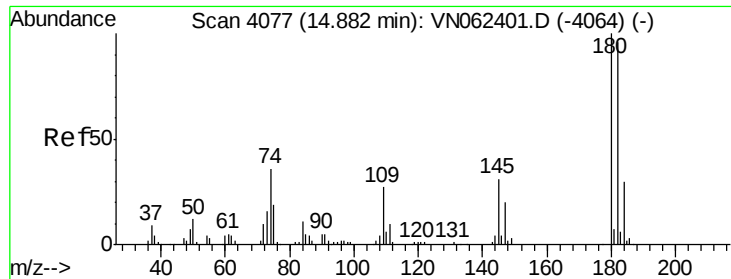
MMDadoda  
 7/10/2020 9:24:04 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 55.034 ug/l  
 RT: 14.25 min Scan# 3879  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 69.6  | 35.2  | 105.6 |
| 157     | 91.1  | 45.8  | 137.3 |





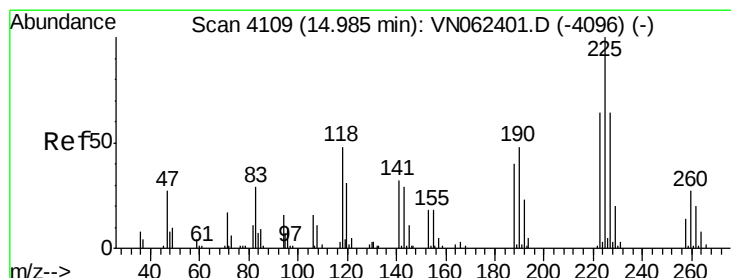
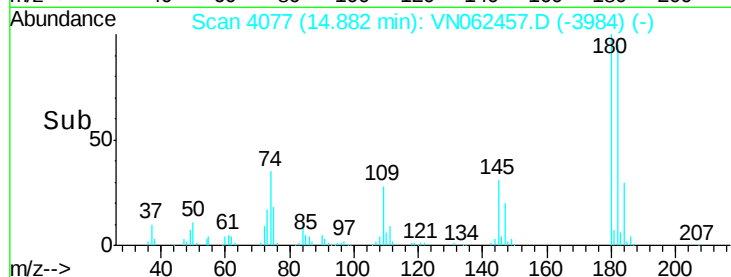
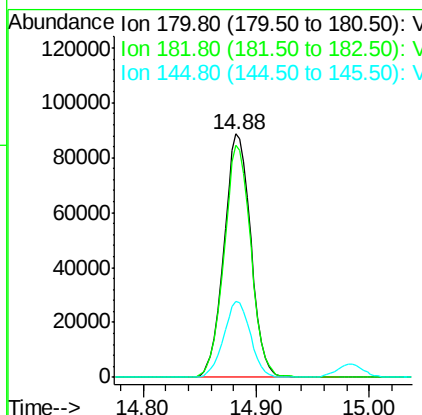
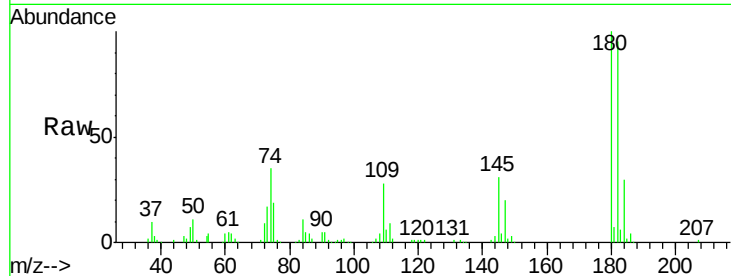
#93  
 1,2,4-Trichlorobenzene  
 Concen: 54.912 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. 0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 145927 |       |       |
| 182     | 95.3  | 48.4   | 145.2 |       |
| 145     | 31.2  | 15.5   | 46.5  |       |

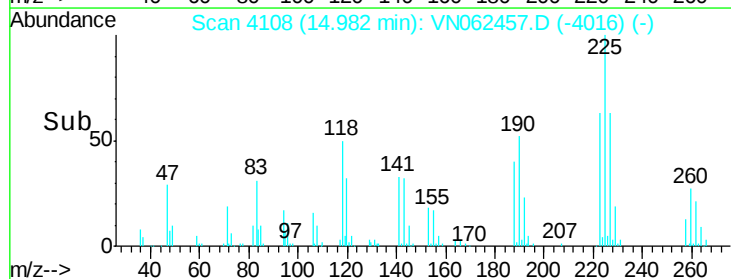
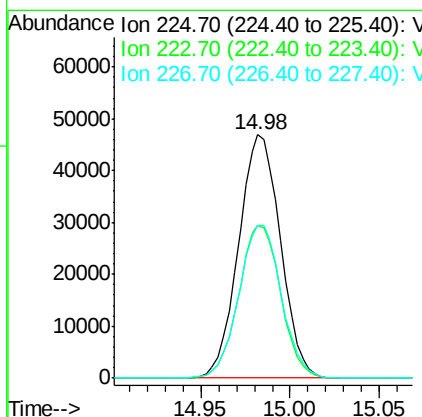
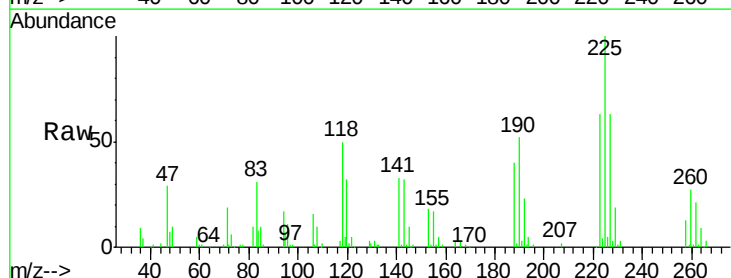
Manual Integrations  
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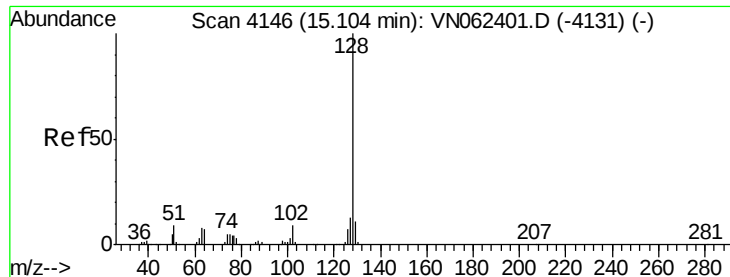
MMDadoda  
 7/10/2020 9:24:04 AM



#94  
 Hexachlorobutadiene  
 Concen: 59.884 ug/l  
 RT: 14.98 min Scan# 4108  
 Delta R.T. -0.00 min  
 Lab File: VN062457.D  
 Acq: 9 Jul 2020 15:26

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 76525 |       |       |
| 223     | 62.8  | 32.3  | 96.8  |       |
| 227     | 63.8  | 31.9  | 95.7  |       |





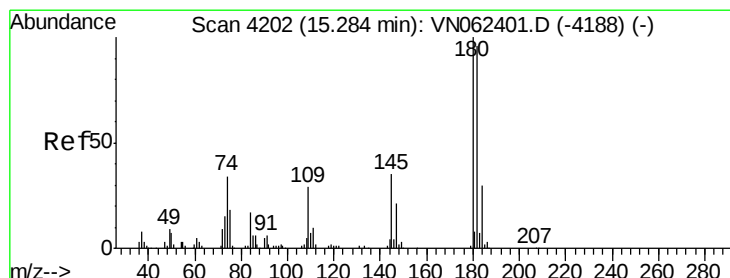
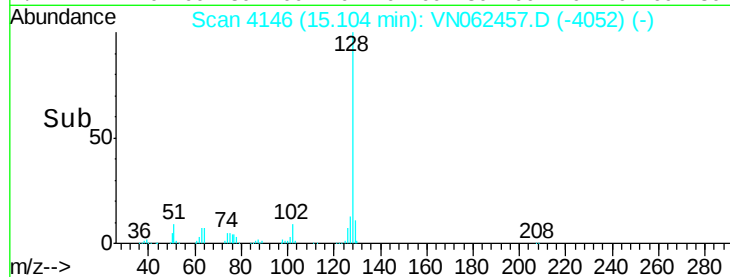
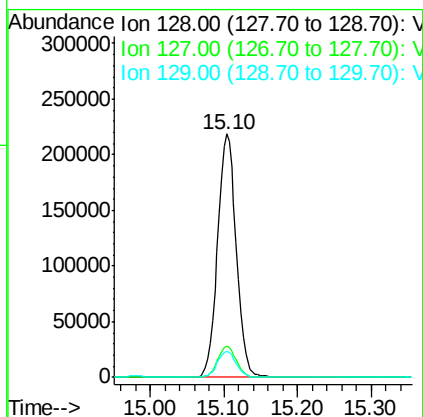
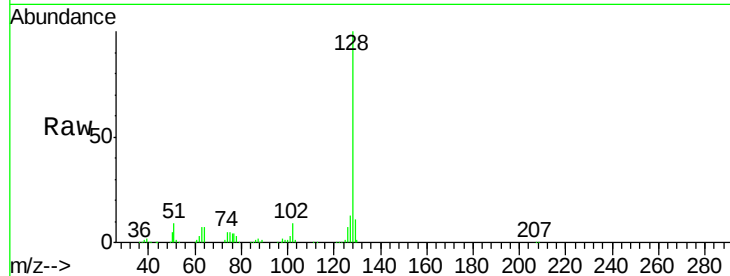
#95  
Naphthalene  
Concen: 59.620 ug/l  
RT: 15.10 min Scan# 4146  
Delta R.T. 0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 128  | Resp: | 383190 |
| Ion Ratio |      | Lower | Upper  |
| 128       | 100  |       |        |
| 127       | 12.8 | 10.2  | 15.2   |
| 129       | 10.8 | 8.6   | 12.8   |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 54.691 ug/l  
RT: 15.28 min Scan# 4202  
Delta R.T. -0.00 min  
Lab File: VN062457.D  
Acq: 9 Jul 2020 15:26

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 180  | Resp: | 142571 |
| Ion Ratio |      | Lower | Upper  |
| 180       | 100  |       |        |
| 182       | 94.8 | 47.8  | 143.4  |
| 145       | 33.6 | 17.0  | 50.9   |

