

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\  
 Data File : VN060565.D  
 Acq On : 17 Mar 2020 19:13  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/18/2020 7:00:39 PM

Quant Time: Mar 18 08:41:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:02:18 2020  
 Response via : Initial Calibration

| Internal Standards            | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 7.64   | 168  | 214080   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.57   | 114  | 359213   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.40  | 117  | 331003   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.34  | 152  | 156582   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.00   | 65   | 148012   | 52.57   | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =       | 105.14% |          |
| 35) Dibromofluoromethane      | 7.56   | 113  | 109490   | 61.49   | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =       | 122.98% |          |
| 50) Toluene-d8                | 10.08  | 98   | 452244   | 52.23   | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =       | 104.46% |          |
| 62) 4-Bromofluorobenzene      | 12.40  | 95   | 163543   | 50.39   | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 |      | Recovery | =       | 100.78% |          |
| Target Compounds              |        |      |          |         |         |          |
|                               |        |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.83   | 85   | 108012   | 53.920  | ug/l    | 100      |
| 3) Chloromethane              | 2.03   | 50   | 192384   | 54.608  | ug/l    | 100      |
| 4) Vinyl Chloride             | 2.16   | 62   | 151965   | 51.124  | ug/l    | 100      |
| 5) Bromomethane               | 2.54   | 94   | 65311    | 49.689  | ug/l    | 100      |
| 6) Chloroethane               | 2.68   | 64   | 90076    | 54.953  | ug/l    | 100      |
| 7) Trichlorofluoromethane     | 3.00   | 101  | 187966   | 49.812  | ug/l    | 100      |
| 8) Diethyl Ether              | 3.38   | 74   | 76032    | 52.808  | ug/l    | 100      |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73   | 101  | 109408   | 51.084  | ug/l    | 100      |
| 10) Methyl Iodide             | 3.93   | 142  | 92184    | 47.755  | ug/l    | 100      |
| 11) Tert butyl alcohol        | 4.73   | 59   | 106113   | 258.134 | ug/l    | 100      |
| 12) 1,1-Dichloroethene        | 3.71   | 96   | 115444   | 50.396  | ug/l    | 100      |
| 13) Acrolein                  | 3.58   | 56   | 119202   | 301.537 | ug/l    | 100      |
| 14) Allyl chloride            | 4.29   | 41   | 197891   | 51.718  | ug/l    | 100      |
| 15) Acrylonitrile             | 4.94   | 53   | 323298   | 292.051 | ug/l    | 100      |
| 16) Acetone                   | 3.78   | 43   | 258954   | 282.903 | ug/l    | 100      |
| 17) Carbon Disulfide          | 4.03   | 76   | 351235   | 52.934  | ug/l    | 100      |
| 18) Methyl Acetate            | 4.29   | 43   | 149540   | 49.861  | ug/l    | 100      |
| 19) Methyl tert-butyl Ether   | 5.00   | 73   | 393778   | 52.007  | ug/l    | 100      |
| 20) Methylene Chloride        | 4.52   | 84   | 128628   | 51.812  | ug/l    | 100      |
| 21) trans-1,2-Dichloroethene  | 5.01   | 96   | 122975   | 47.442  | ug/l    | 100      |
| 22) Diisopropyl ether         | 5.91   | 45   | 439039   | 55.652  | ug/l    | 100      |
| 23) Vinyl Acetate             | 5.86   | 43   | 1803781  | 287.386 | ug/l    | 100      |
| 24) 1,1-Dichloroethane        | 5.82   | 63   | 236570   | 53.389  | ug/l    | 100      |
| 25) 2-Butanone                | 6.80   | 43   | 426716   | 288.701 | ug/l    | 100      |
| 26) 2,2-Dichloropropane       | 6.80   | 77   | 182435   | 46.410  | ug/l    | 100      |
| 27) cis-1,2-Dichloroethene    | 6.80   | 96   | 139555   | 48.793  | ug/l    | 100      |
| 28) Bromochloromethane        | 7.17   | 49   | 114181   | 60.294  | ug/l    | 100      |
| 29) Tetrahydrofuran           | 7.18   | 42   | 297822   | 288.866 | ug/l    | 100      |
| 30) Chloroform                | 7.35   | 83   | 224829   | 51.332  | ug/l    | 100      |
| 31) Cyclohexane               | 7.63   | 56   | 227714   | 54.249  | ug/l    | 100      |
| 32) 1,1,1-Trichloroethane     | 7.55   | 97   | 198421   | 51.209  | ug/l    | 100      |
| 36) 1,1-Dichloropropene       | 7.77   | 75   | 178278   | 51.168  | ug/l    | 100      |
| 37) Ethyl Acetate             | 6.90   | 43   | 185300   | 55.821  | ug/l    | 100      |
| 38) Carbon Tetrachloride      | 7.75   | 117  | 161698   | 48.570  | ug/l    | 100      |

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 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/18/2020 7:00:39 PM

Quant Time: Mar 18 08:41:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:02:18 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 211522   | 51.534  | ug/l   | 100      |
| 40) Benzene                    | 8.02  | 78   | 528910   | 52.245  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.14  | 41   | 80813m   | 53.506  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 180701   | 50.026  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 313059   | 54.172  | ug/l   | 100      |
| 44) Trichloroethene            | 8.82  | 130  | 134983   | 48.427  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 140575   | 53.187  | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 86434    | 50.800  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.39  | 83   | 177498   | 51.321  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.18  | 41   | 140336   | 53.322  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.18  | 88   | 34949    | 957.810 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 915934   | 278.979 | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 323727   | 51.197  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 207364   | 49.006  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 221477   | 50.368  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 123954   | 49.001  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 10.42 | 69   | 202641   | 55.242  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 216223   | 52.127  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 503333   | 263.491 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 669901   | 278.192 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.89 | 129  | 131431   | 51.108  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 128047   | 51.775  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.62 | 164  | 129738   | 44.312  | ug/l   | 100      |
| 65) Chlorobenzene              | 11.43 | 112  | 328855   | 49.003  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 119429   | 48.441  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.50 | 91   | 624346   | 50.853  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 462936   | 99.990  | ug/l   | 100      |
| 69) o-Xylene                   | 11.94 | 106  | 222119   | 50.346  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 370682   | 51.151  | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 94761    | 52.995  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.24 | 105  | 589937   | 50.375  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.06 | 43   | 275287   | 53.194  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 177058   | 54.802  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 162293m  | 47.416  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 140001   | 48.937  | ug/l   | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 698170   | 50.742  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 410879   | 50.701  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 500074   | 50.701  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 66319    | 52.674  | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 423651   | 49.702  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 414545   | 48.880  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 499315   | 50.239  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 563213   | 49.485  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 504317   | 47.978  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 250067   | 46.725  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 250995   | 47.003  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 463618   | 48.073  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 75754    | 49.864  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 243007   | 48.559  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 36616    | 50.712  | ug/l   | 100      |

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Sample : VSTDICCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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VSTDICCC050

Manual Integrations  
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3/18/2020 7:00:39 PM

Quant Time: Mar 18 08:41:02 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:02:18 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 152227   | 43.212 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 71466    | 42.733 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 458068   | 45.054 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 145609   | 43.923 | ug/l  | 100      |

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

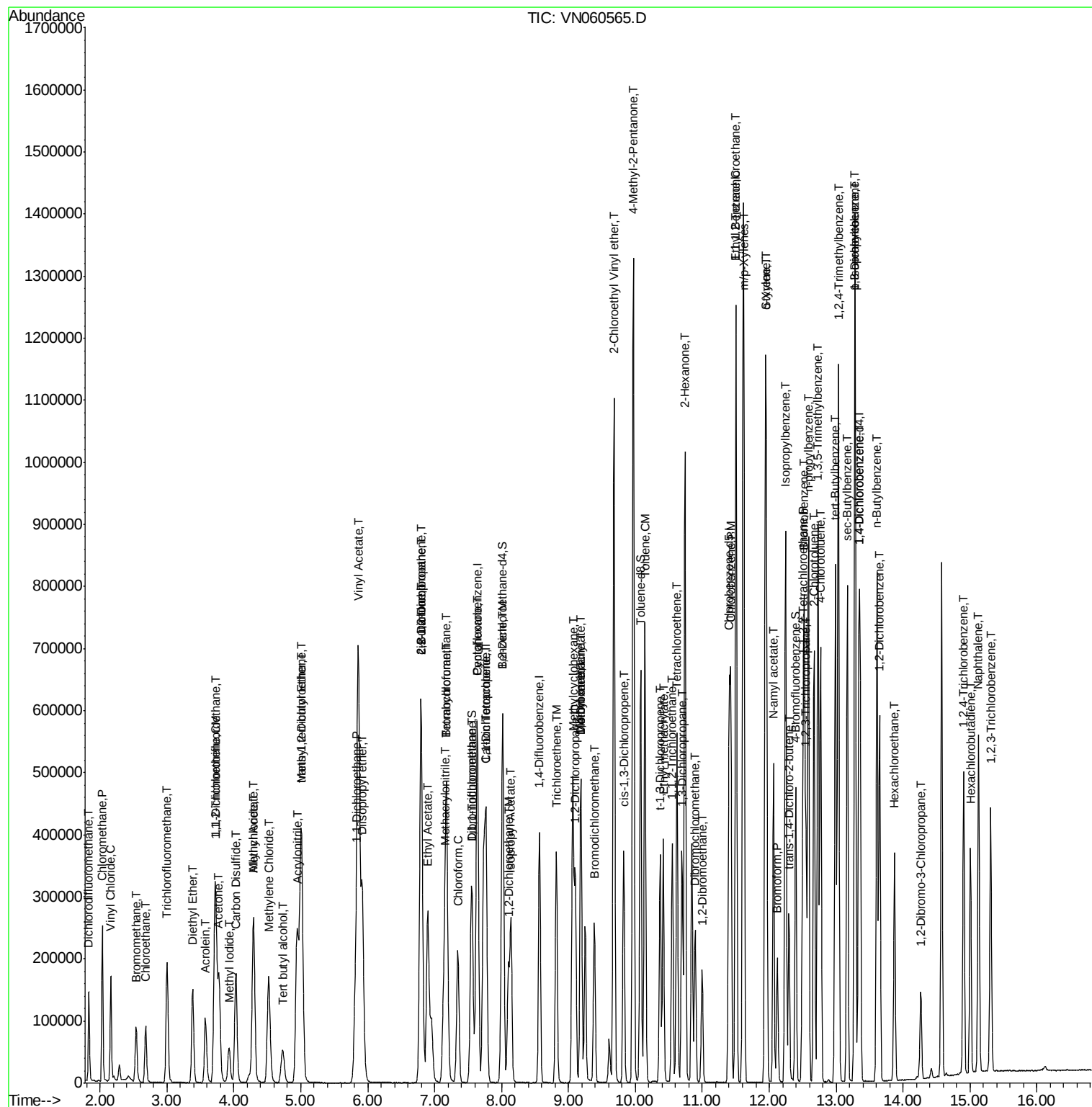
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Data File : VN060565.D  
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ALS Vial : 26 Sample Multiplier: 1

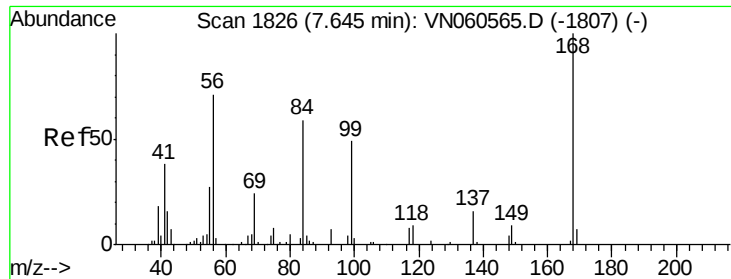
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
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MMDadoda  
3/18/2020 7:00:39 PM

Quant Time: Mar 18 08:41:02 2020  
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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 214080

Ion Ratio Lower Upper

168 100

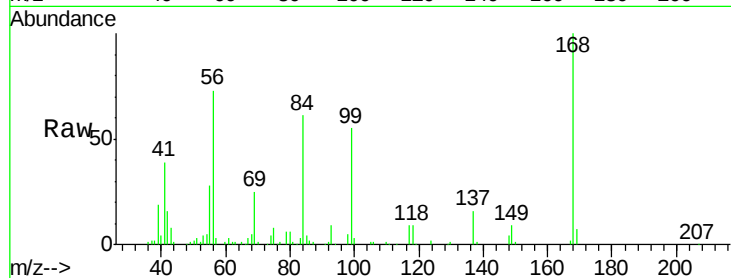
99 55.0 44.0 66.0

Manual Integrations

APPROVED

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3/18/2020 7:00:39 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

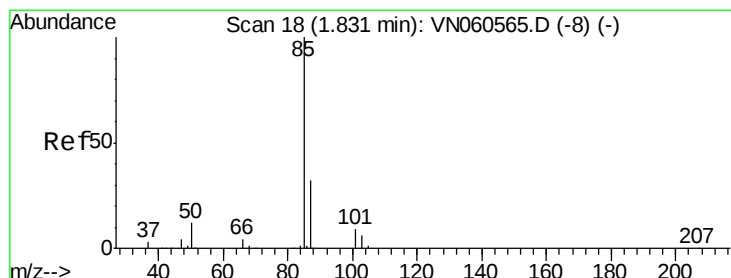
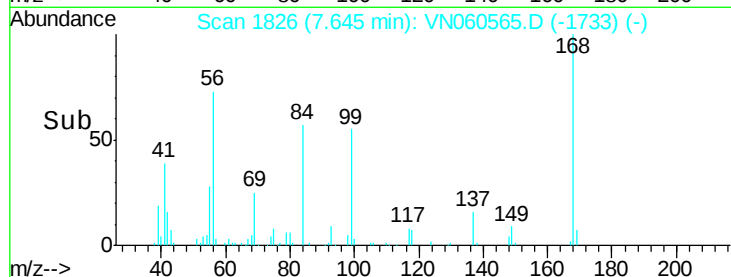
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.920 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060565.D

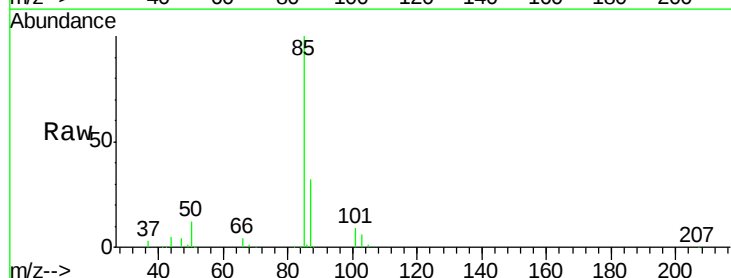
Acq: 17 Mar 2020 19:13

Tgt Ion: 85 Resp: 108012

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

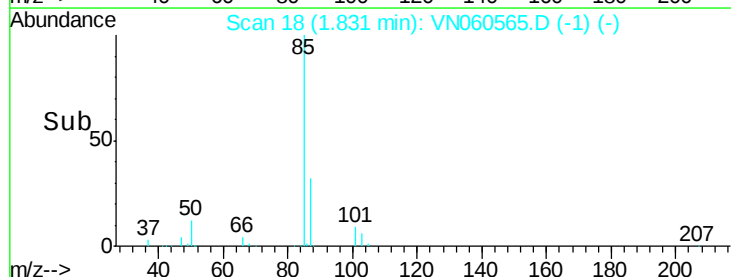
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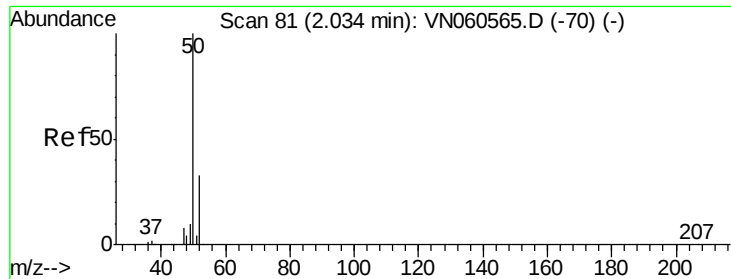
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Time-->





#3

Chloromethane

Concen: 54.608 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 192384

Ion Ratio Lower Upper

50 100

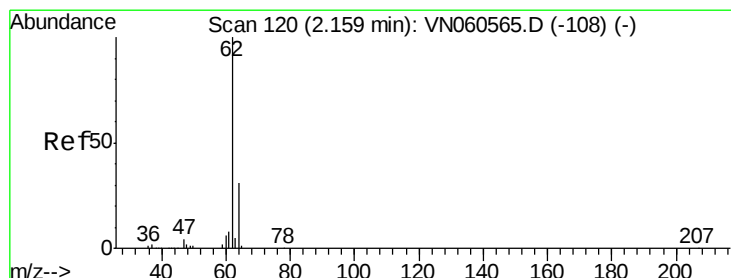
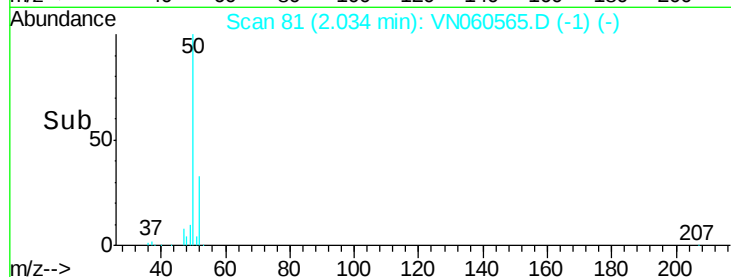
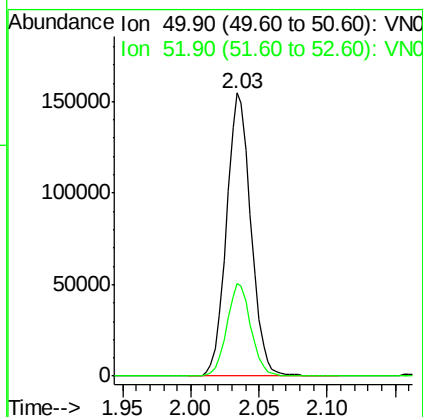
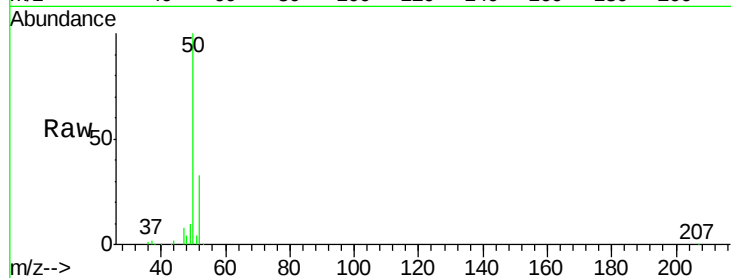
52 32.7 26.2 39.2

Manual Integrations

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3/18/2020 7:00:39 PM



#4

Vinyl Chloride

Concen: 51.124 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN060565.D

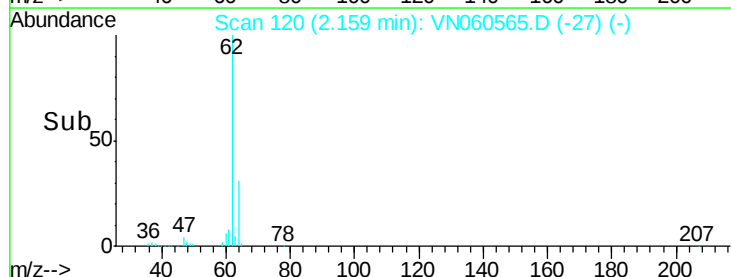
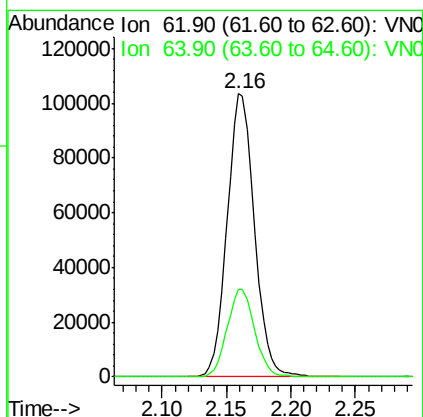
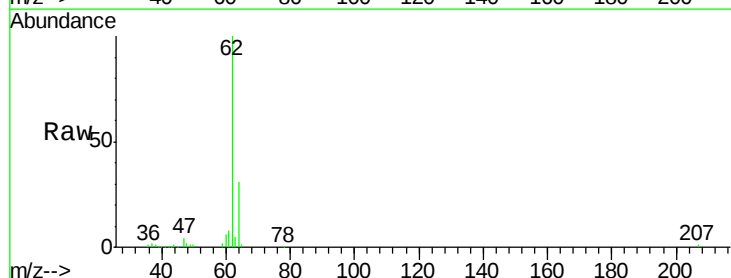
Acq: 17 Mar 2020 19:13

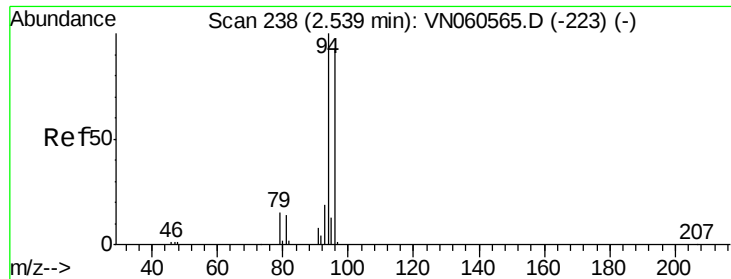
Tgt Ion: 62 Resp: 151965

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 49.689 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 65311

Ion Ratio Lower Upper

94 100

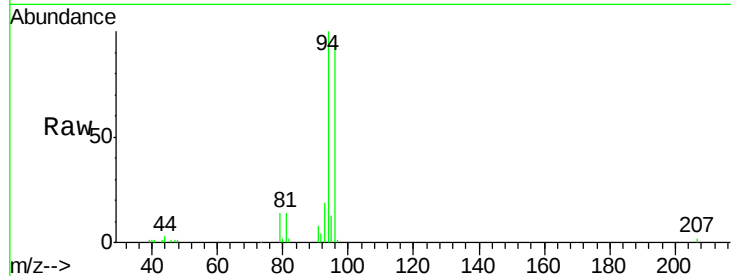
96 93.3 74.6 112.0

Manual Integrations

APPROVED

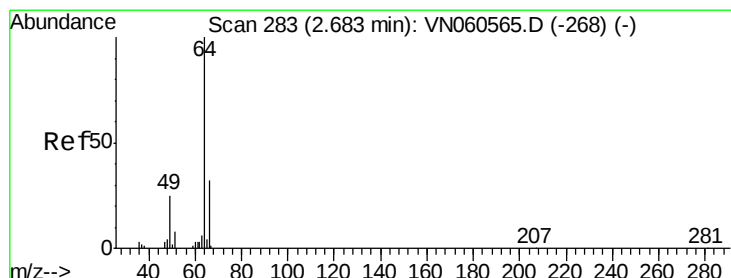
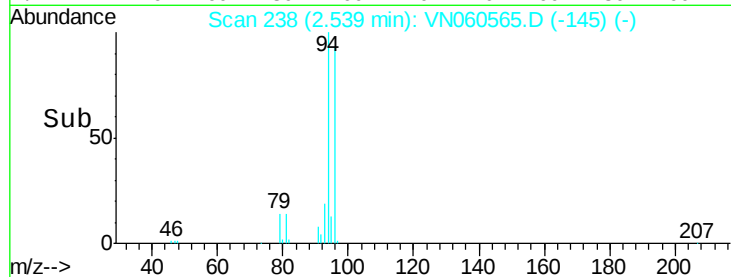
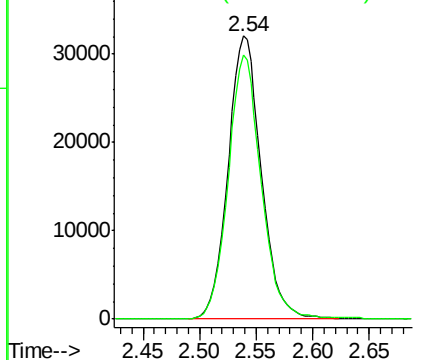
MMDadoda

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 54.953 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060565.D

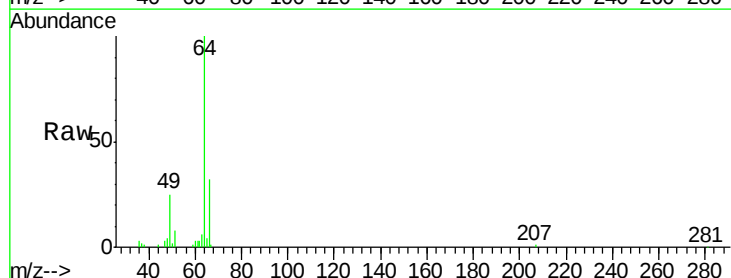
Acq: 17 Mar 2020 19:13

Tgt Ion: 64 Resp: 90076

Ion Ratio Lower Upper

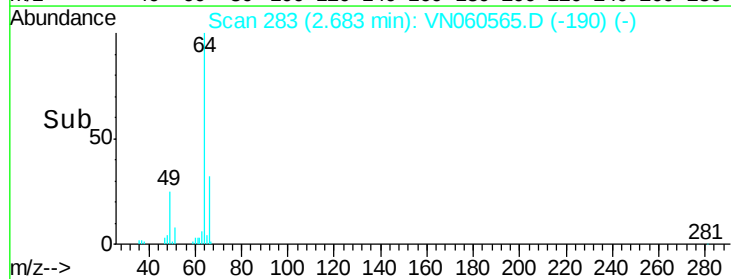
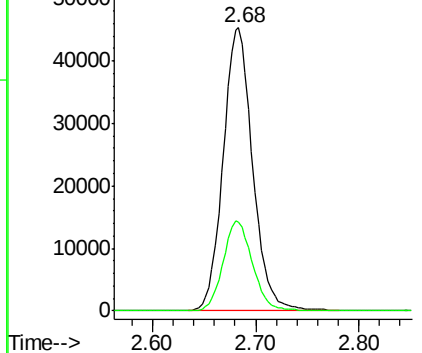
64 100

66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

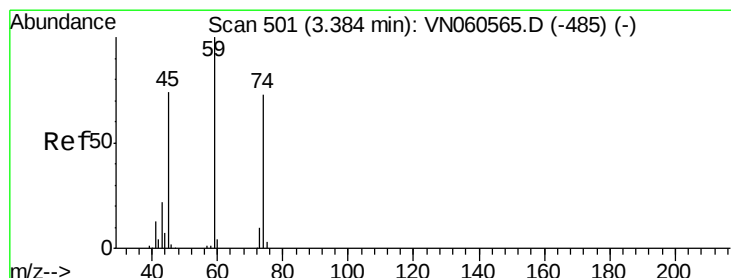
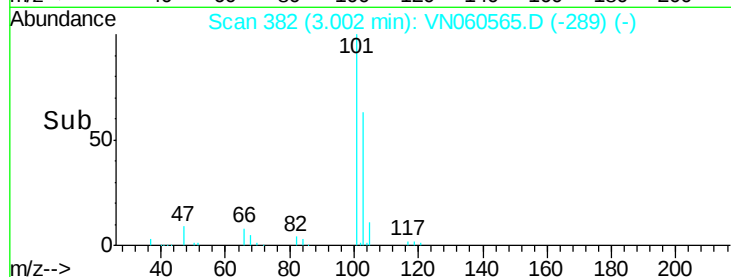
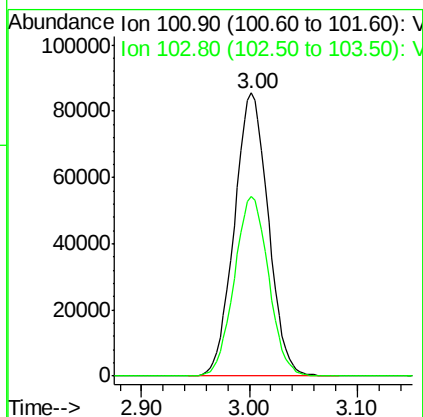
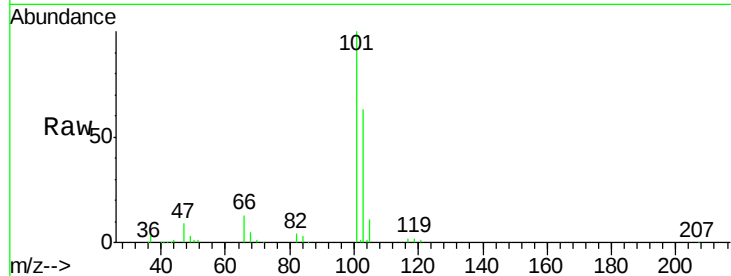
Trichlorofluoromethane  
Concen: 49.812 ug/l  
RT: 3.00 min Scan# 382  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 187966 |       |       |
| 103     | 63.3 | 50.6  | 76.0   |       |       |

Manual Integrations  
APPROVED

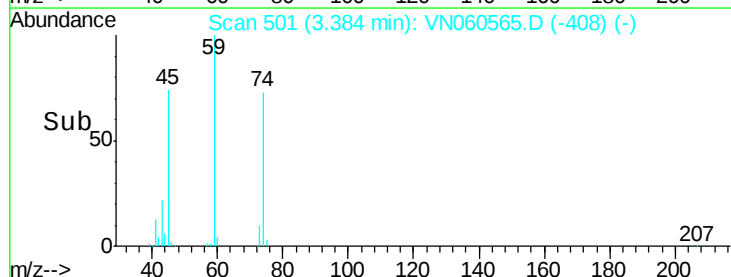
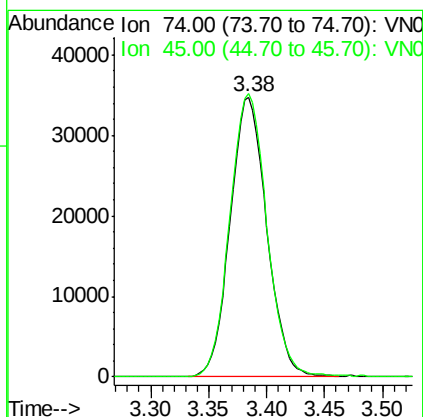
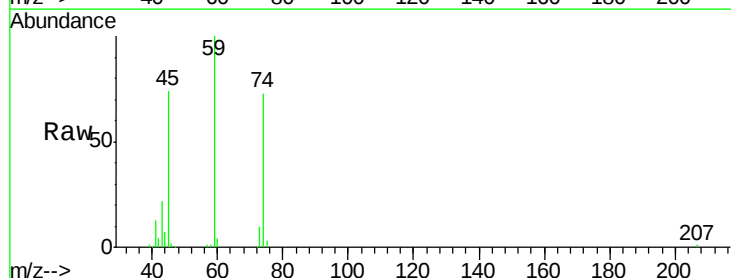
MMDadoda  
3/18/2020 7:00:39 PM

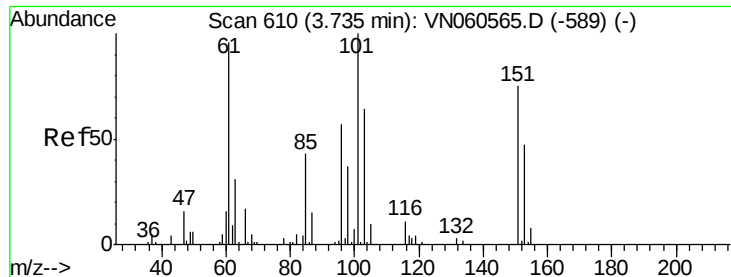


#8

Diethyl Ether  
Concen: 52.808 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 74      | 100   |       | 76032 |       |       |
| 45      | 102.6 | 51.3  | 153.9 |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.084 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

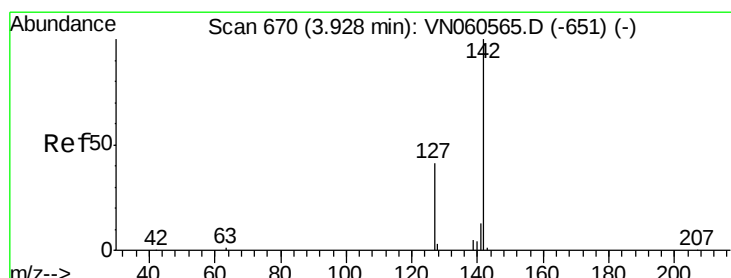
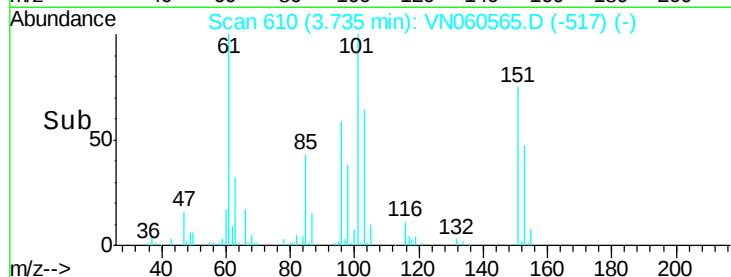
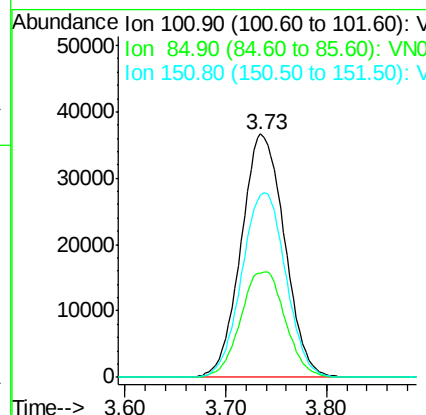
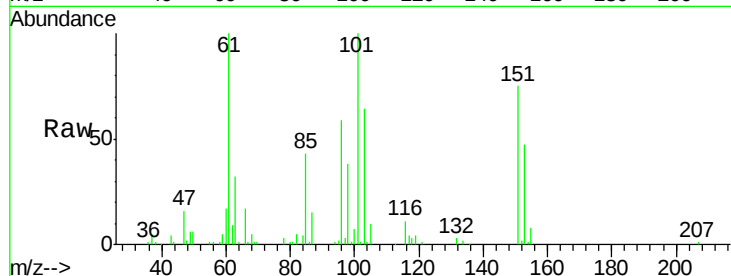
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 109408 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.5  | 35.6  | 53.4   |
| 151       | 76.8  | 61.4  | 92.2   |

Manual Integrations  
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3/18/2020 7:00:39 PM



#10

Methyl Iodide

Concen: 47.755 ug/l

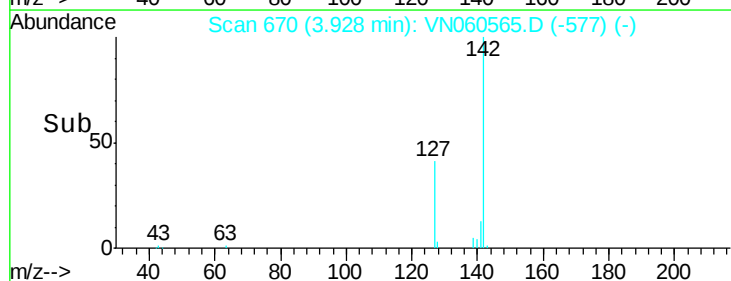
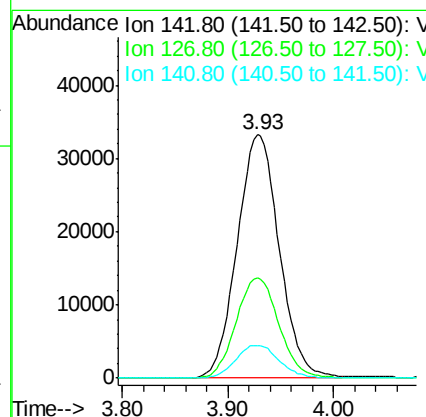
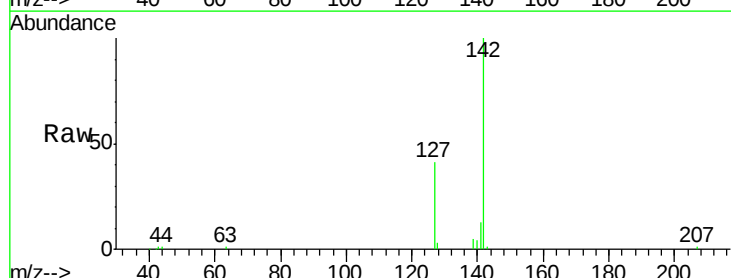
RT: 3.93 min Scan# 670

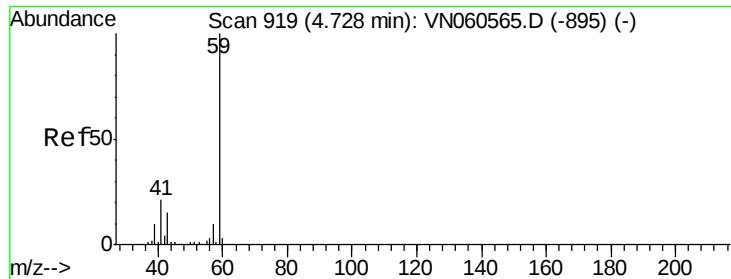
Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 92184 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.9  | 33.5  | 50.3  |
| 141       | 13.8  | 11.0  | 16.6  |





#11

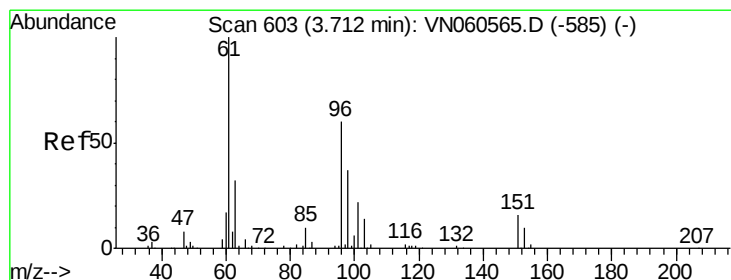
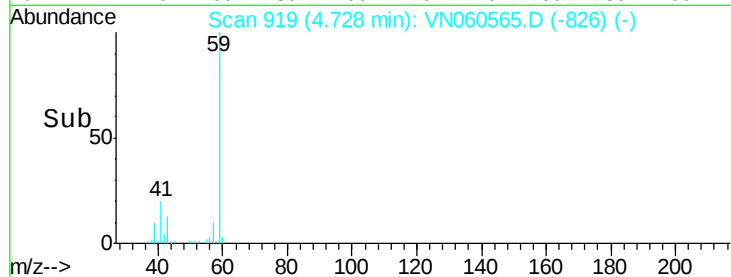
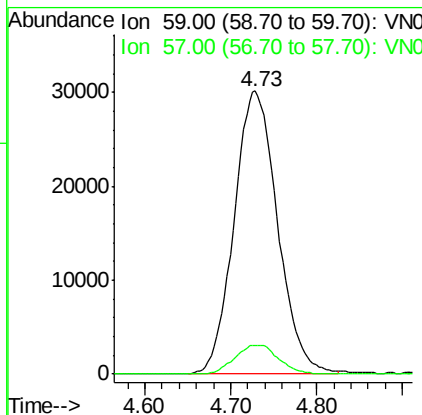
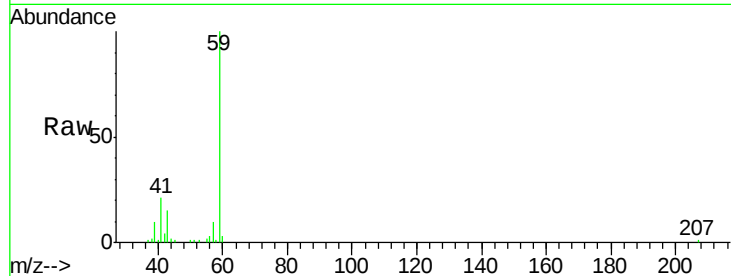
Tert butyl alcohol  
Concen: 258.134 ug/l  
RT: 4.73 min Scan# 919  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.2   | 12.4  |

Manual Integrations  
APPROVED

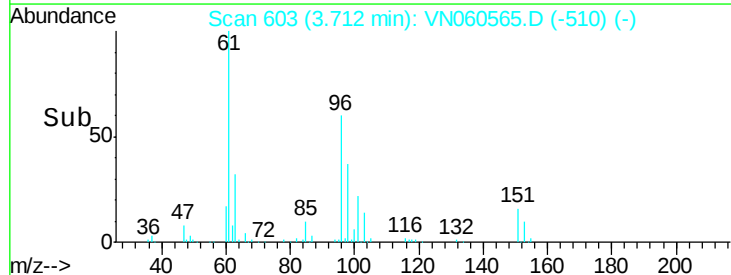
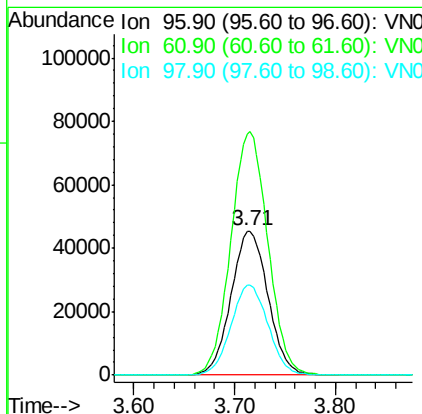
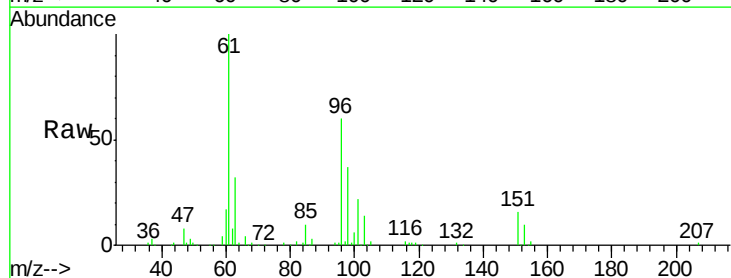
MMDadoda  
3/18/2020 7:00:39 PM

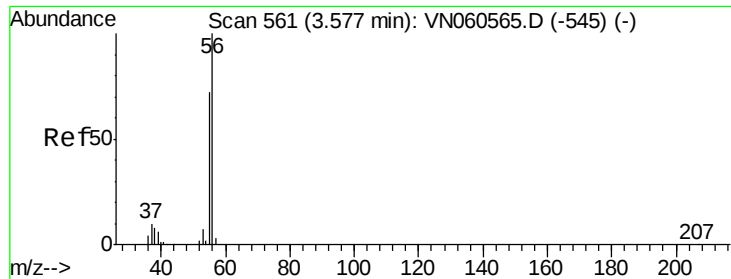


#12

1,1-Dichloroethene  
Concen: 50.396 ug/l  
RT: 3.71 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 167.6 | 134.1 | 201.1 |
| 98      | 62.4  | 49.9  | 74.9  |





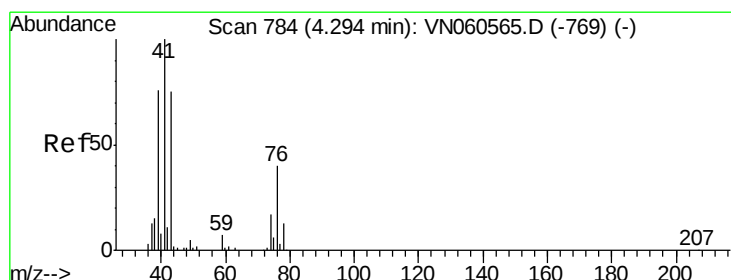
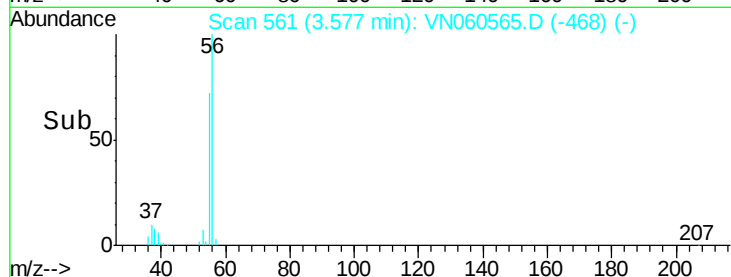
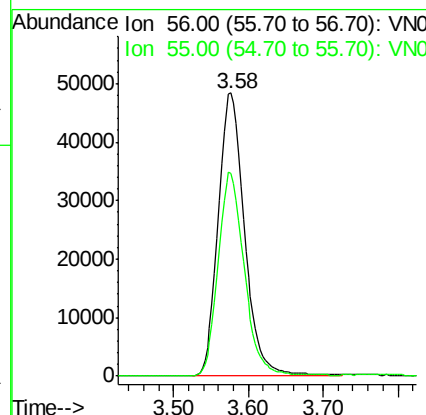
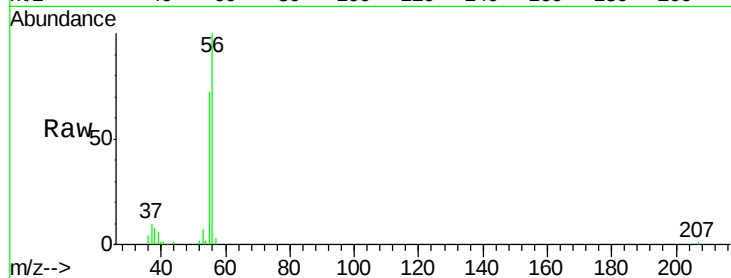
#13  
 Acrolein  
 Concen: 301.537 ug/l  
 RT: 3.58 min Scan# 561  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion   | 56    | Resp  | 119202 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 55        | 70.9  | 56.7  | 85.1   |

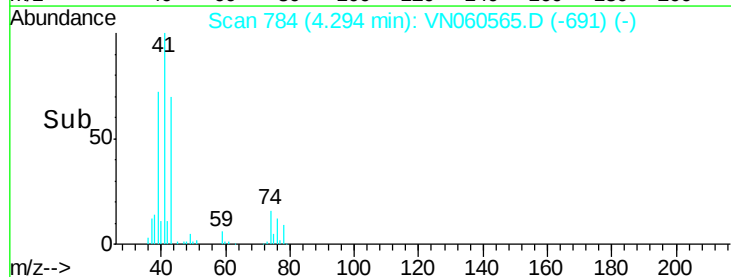
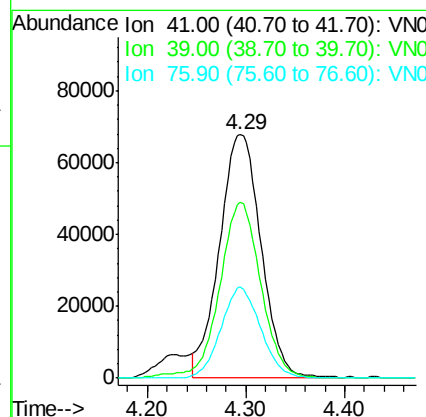
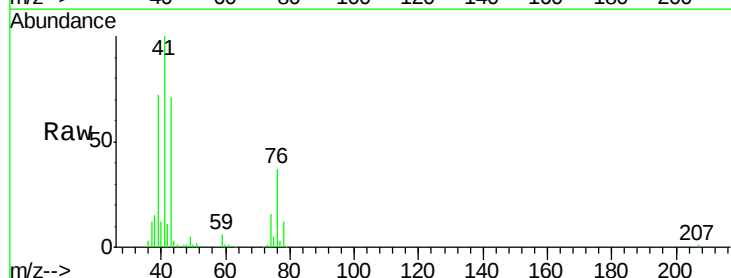
Manual Integrations  
 APPROVED

MMDadoda  
 3/18/2020 7:00:39 PM



#14  
 Allyl chloride  
 Concen: 51.718 ug/l  
 RT: 4.29 min Scan# 784  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion   | 41    | Resp  | 197891 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 72.3  | 57.8  | 86.8   |
| 76        | 35.8  | 28.6  | 43.0   |





#15

Acrylonitrile

Concen: 292.051 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

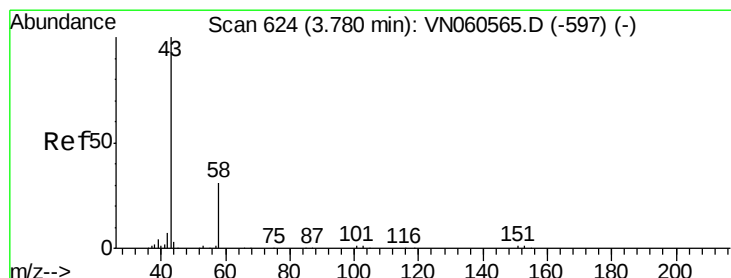
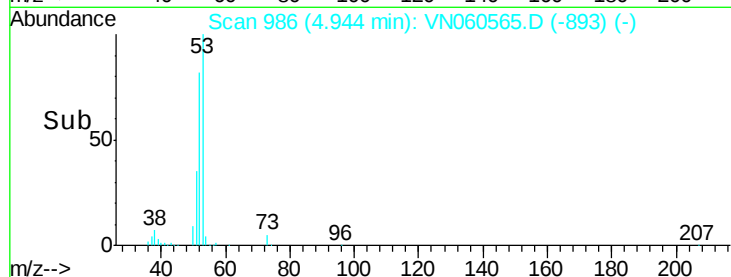
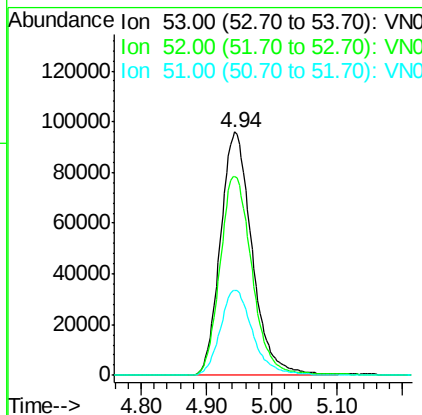
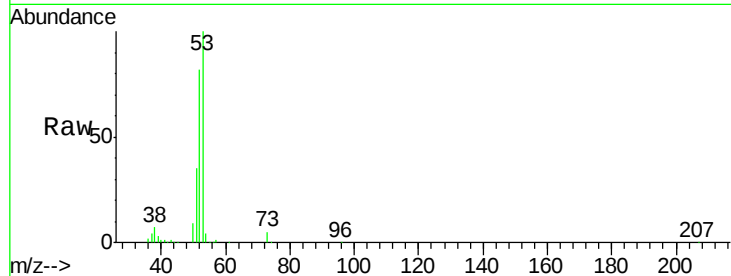
ClientSampleId :

VSTDICCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 323298 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.8  | 66.2  | 99.4   |
| 51        | 35.9  | 28.7  | 43.1   |

Manual Integrations  
APPROVED

MMDadoda  
3/18/2020 7:00:39 PM



#16

Acetone

Concen: 282.903 ug/l

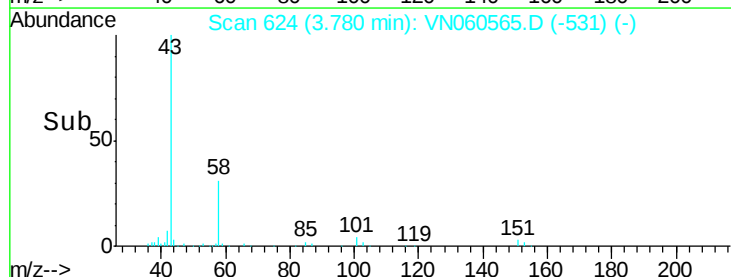
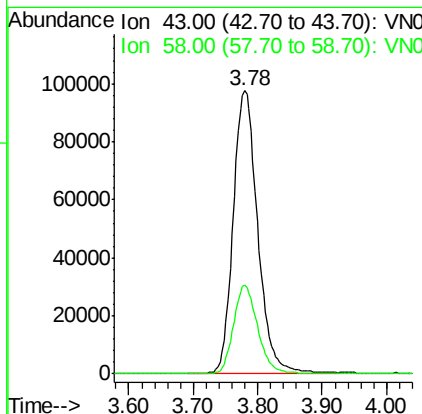
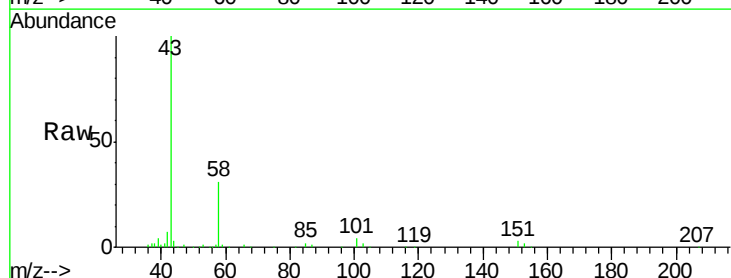
RT: 3.78 min Scan# 624

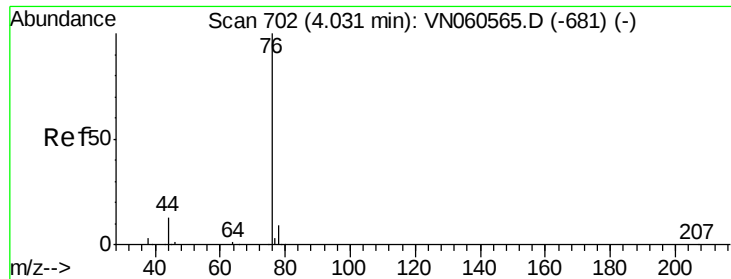
Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 258954 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 31.4  | 25.1  | 37.7   |





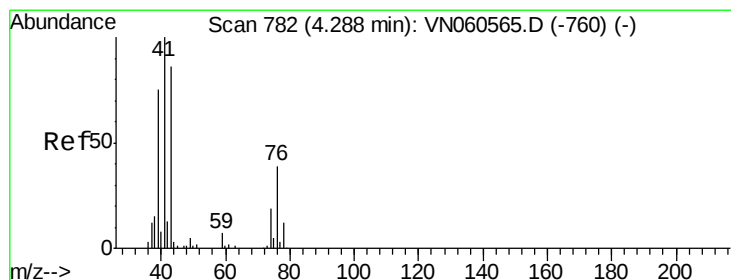
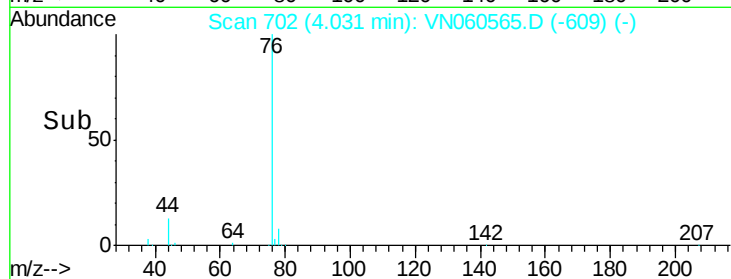
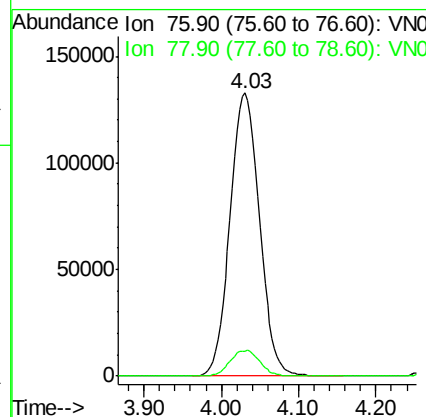
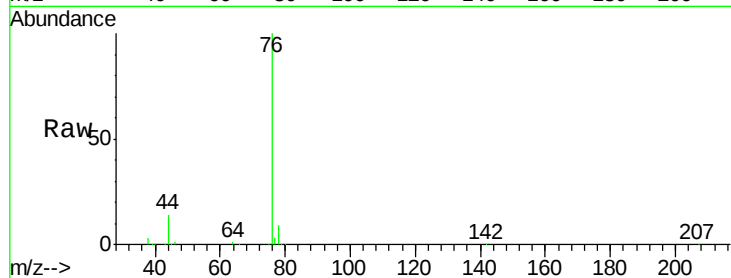
#17  
Carbon Disulfide  
Concen: 52.934 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.2   | 10.8  |

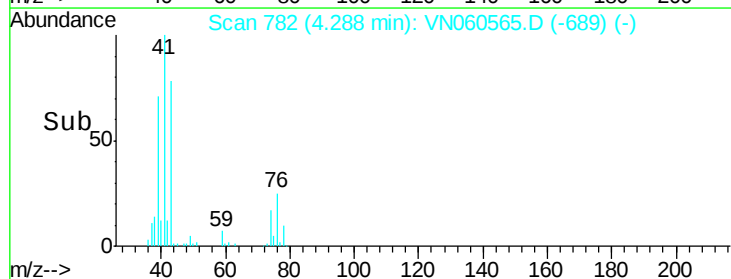
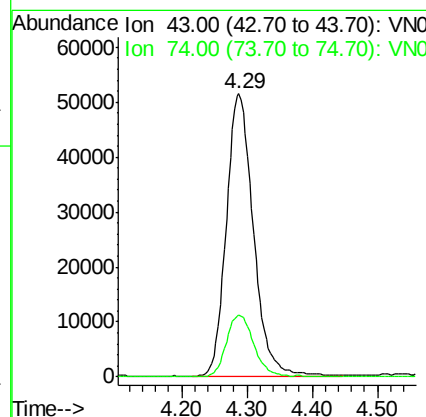
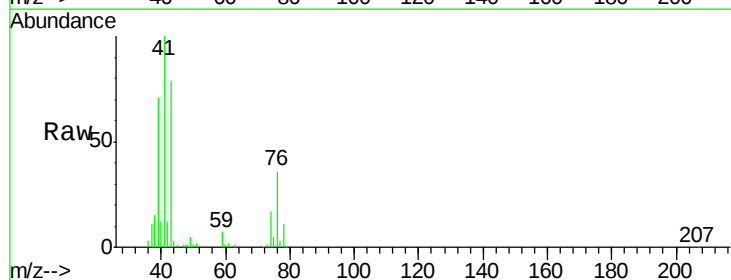
Manual Integrations  
APPROVED

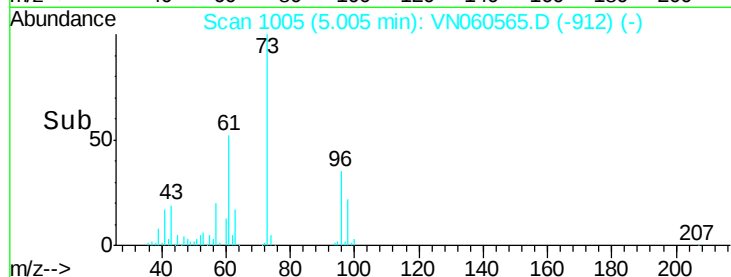
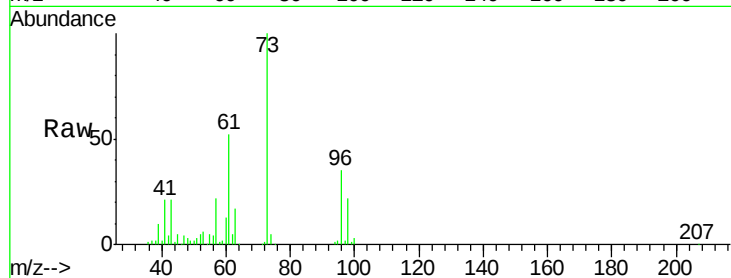
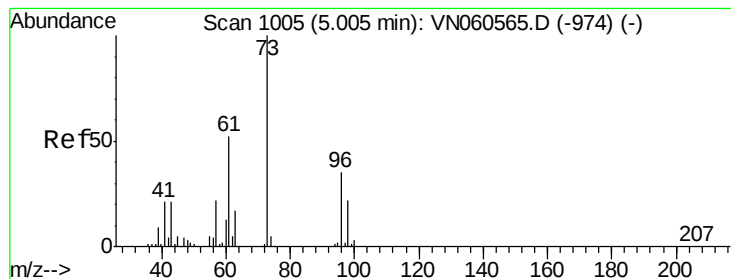
MMDadoda  
3/18/2020 7:00:39 PM



#18  
Methyl Acetate  
Concen: 49.861 ug/l  
RT: 4.29 min Scan# 782  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.9  | 17.5  | 26.3  |





#19

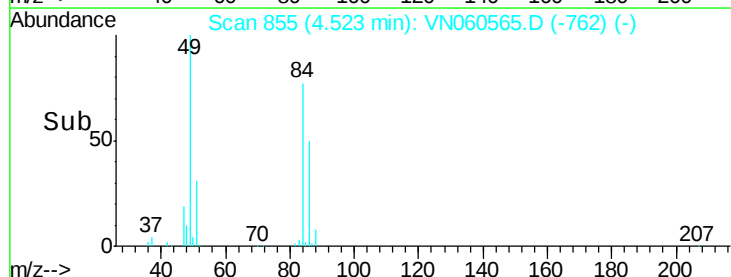
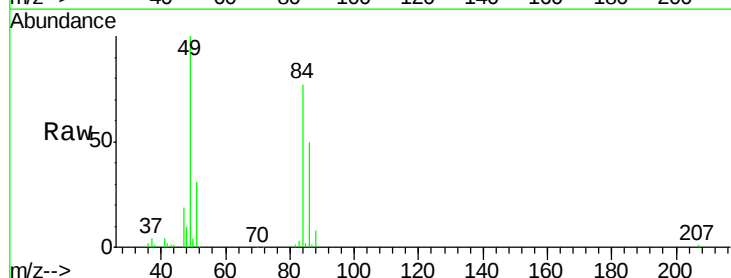
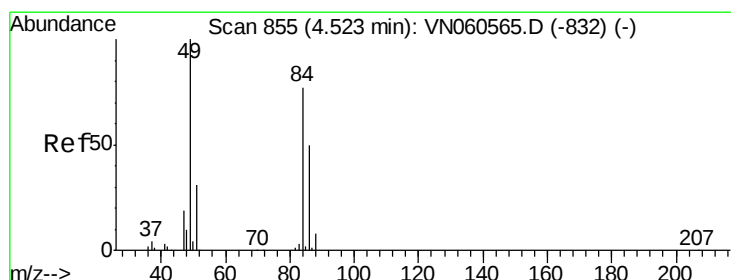
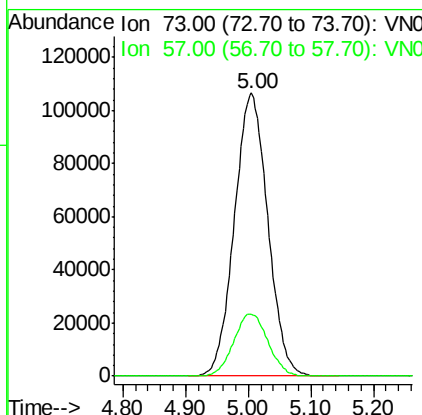
Methyl tert-butyl Ether  
Concen: 52.007 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tot Ion   | 73   | Resp  | 393778 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 73        | 100  |       |        |
| 57        | 21.9 | 17.5  | 26.3   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

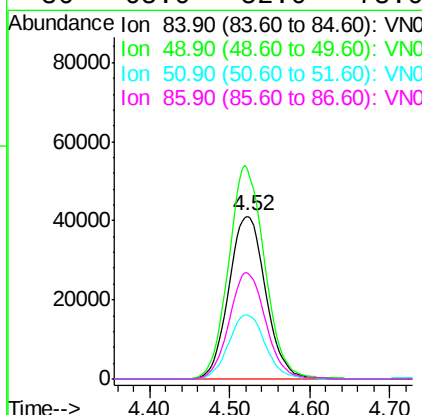
MMDadoda  
3/18/2020 7:00:39 PM

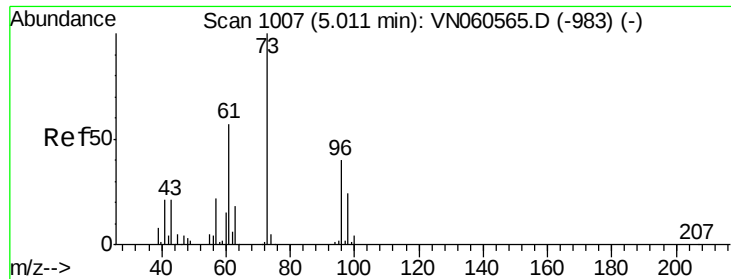


#20

Methylene Chloride  
Concen: 51.812 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion   | 84    | Resp  | 128628 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 84        | 100   |       |        |
| 49        | 129.1 | 103.3 | 154.9  |
| 51        | 39.5  | 31.6  | 47.4   |
| 86        | 65.0  | 52.0  | 78.0   |





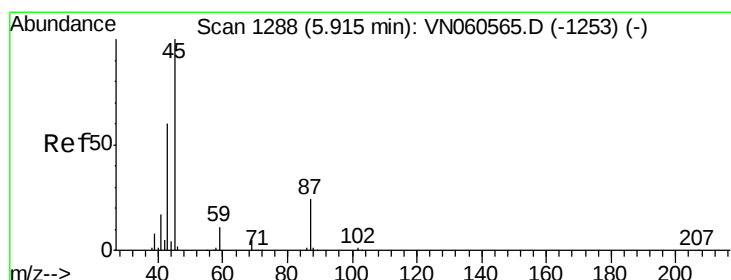
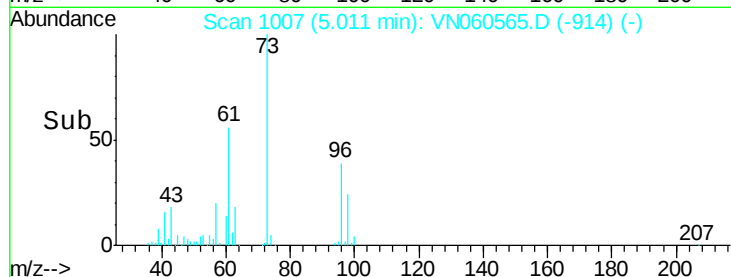
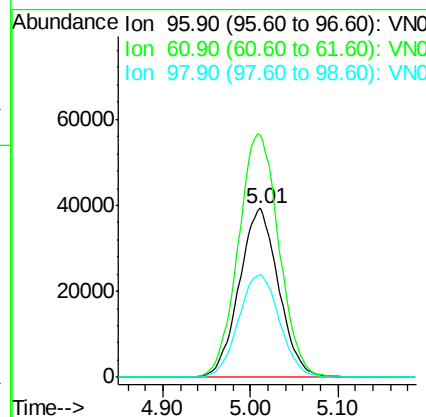
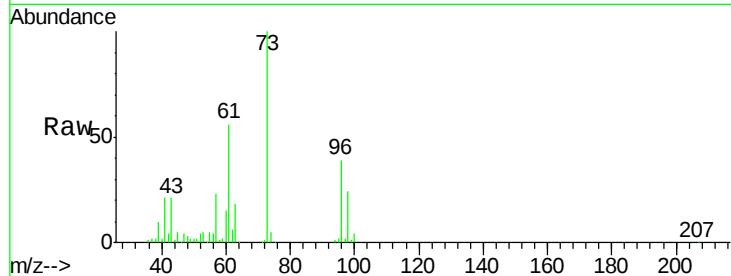
#21  
trans-1,2-Dichloroethene  
Concen: 47.442 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.0 | 114.4 | 171.6 |
| 98      | 60.5  | 48.4  | 72.6  |

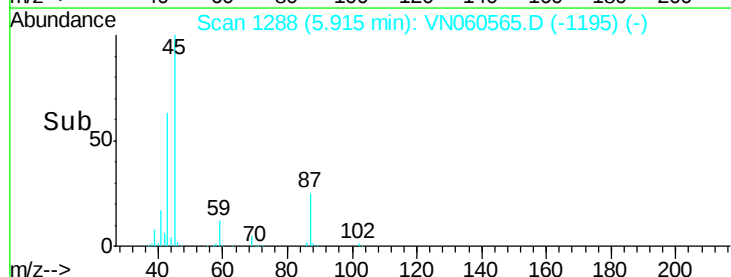
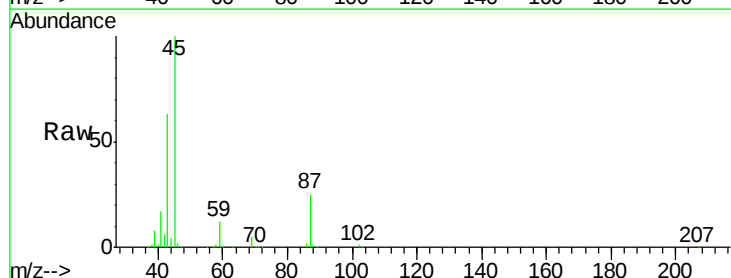
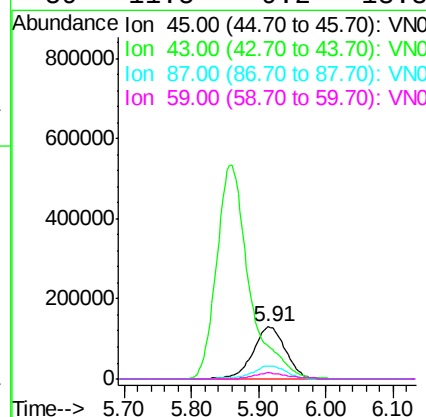
Manual Integrations  
APPROVED

MMDadoda  
3/18/2020 7:00:39 PM



#22  
Diisopropyl ether  
Concen: 55.652 ug/l  
RT: 5.91 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 62.3  | 49.8  | 74.8  |
| 87      | 25.1  | 20.1  | 30.1  |
| 59      | 11.5  | 9.2   | 13.8  |





#23

Vinyl Acetate

Concen: 287.386 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1803781

Ion Ratio Lower Upper

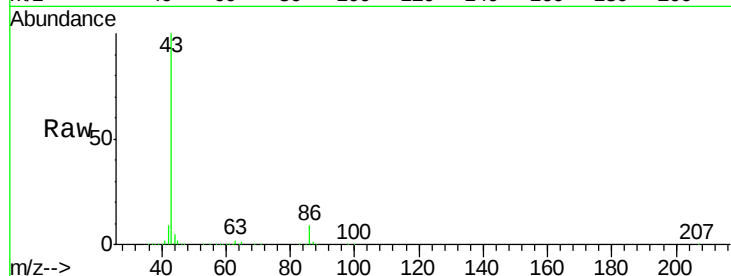
43 100

86 9.5 7.6 11.4

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3/18/2020 7:00:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060565.D (-1246) (-)

5.86

600000

500000

400000

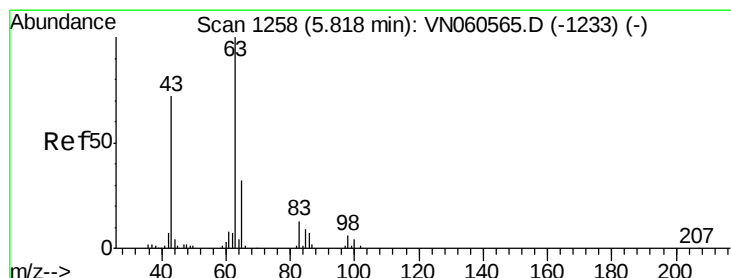
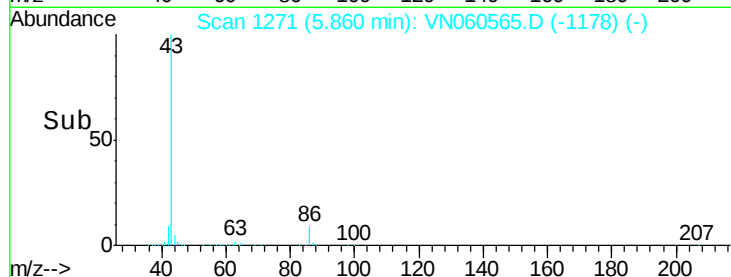
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 53.389 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

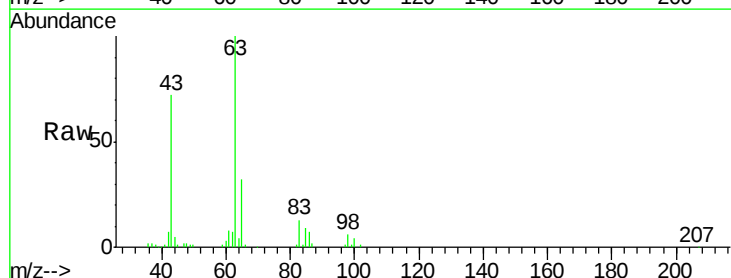
Tgt Ion: 63 Resp: 236570

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060565.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060565.D (-1233) (-)

100000

80000

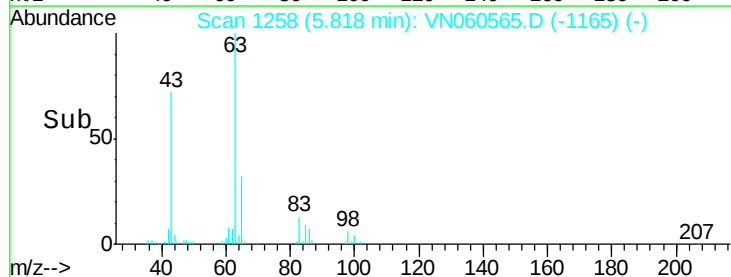
60000

40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 288.701 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 426716

Ion Ratio Lower Upper

43 100

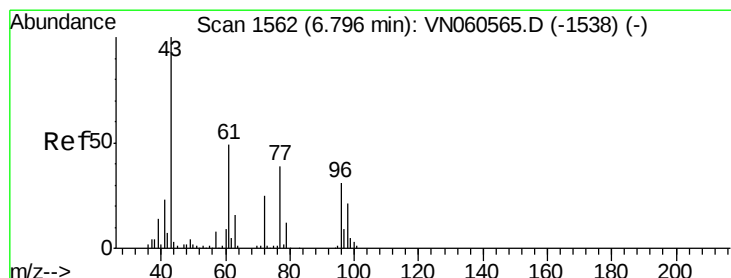
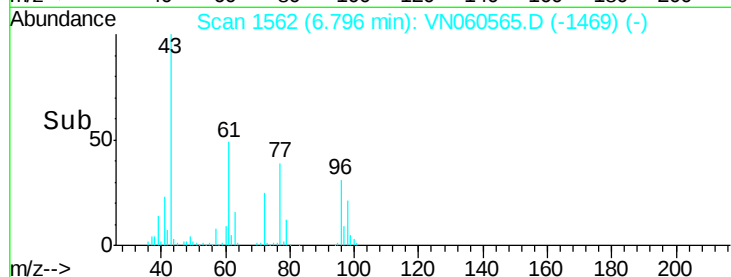
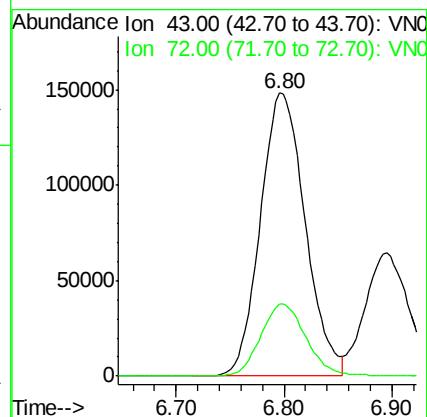
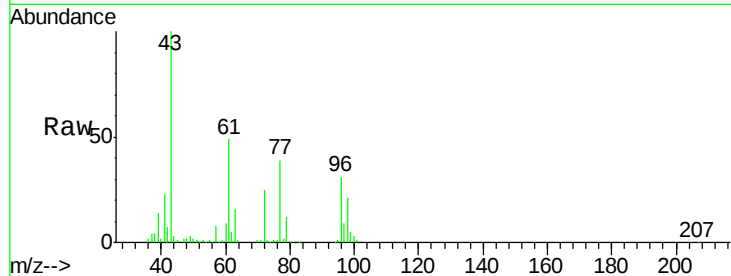
72 25.5 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.410 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060565.D

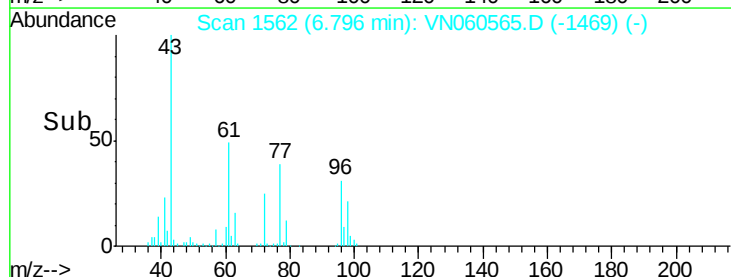
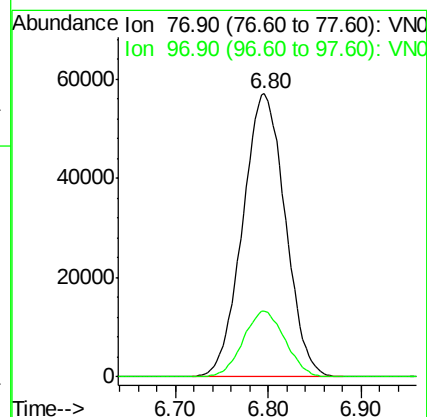
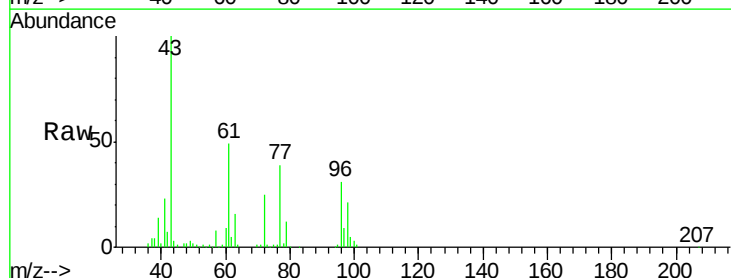
Acq: 17 Mar 2020 19:13

Tgt Ion: 77 Resp: 182435

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 48.793 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

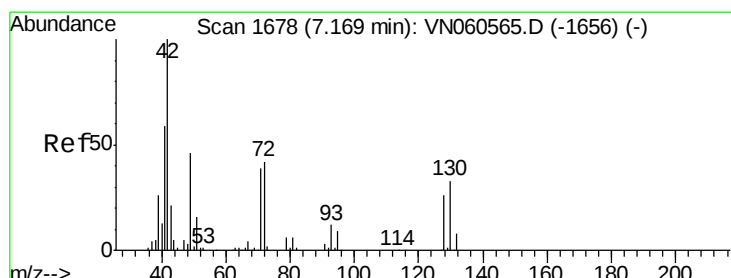
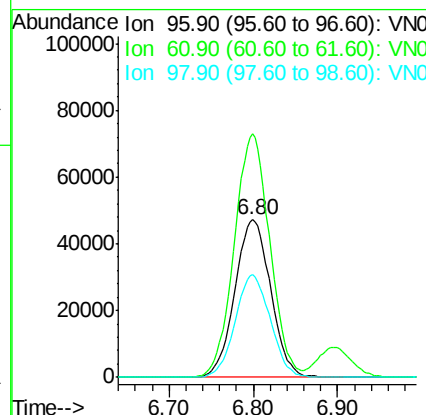
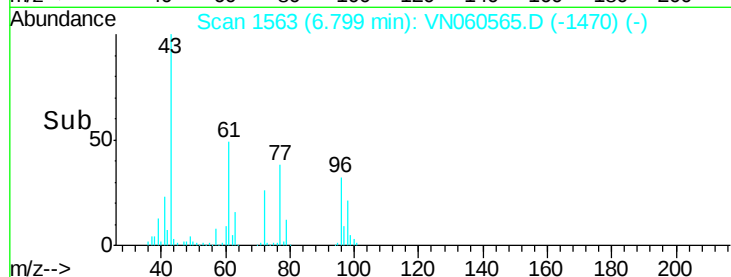
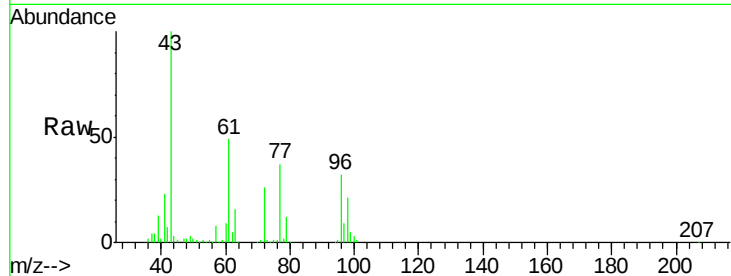
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 139555 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 152.8 | 0.0   | 305.6  |
| 98       | 63.8  | 0.0   | 127.6  |

Manual Integrations  
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3/18/2020 7:00:39 PM



#28

Bromochloromethane

Concen: 60.294 ug/l

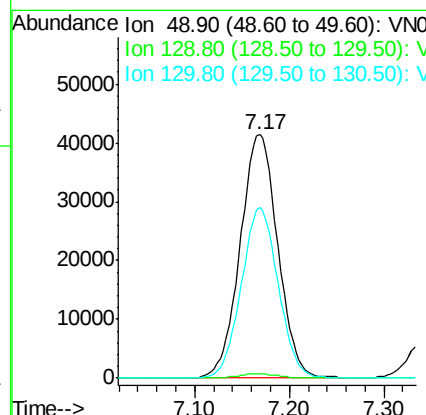
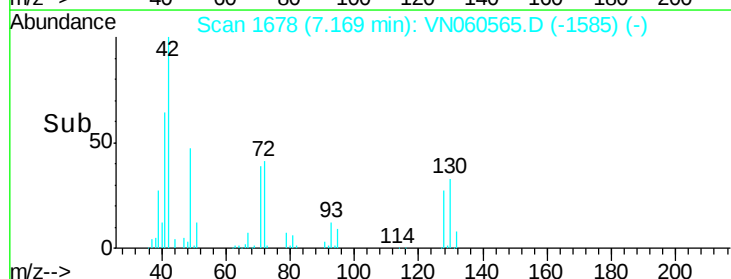
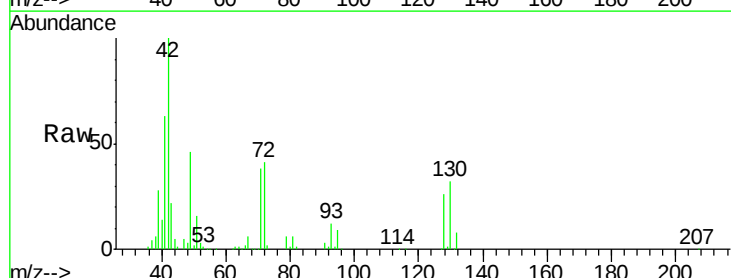
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 114181 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 1.7   | 0.0   | 3.4    |
| 130      | 68.7  | 55.0  | 82.4   |





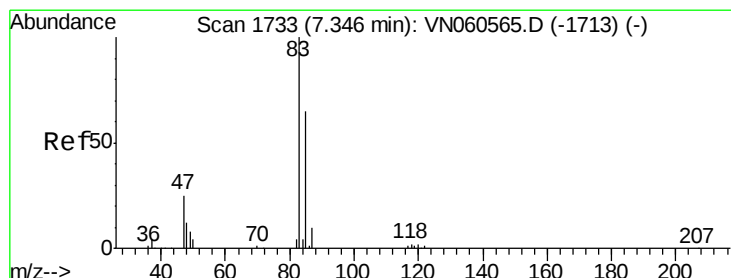
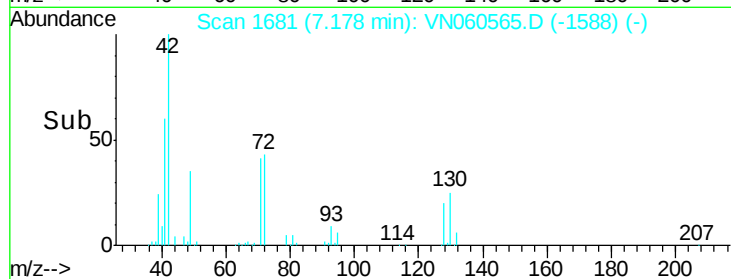
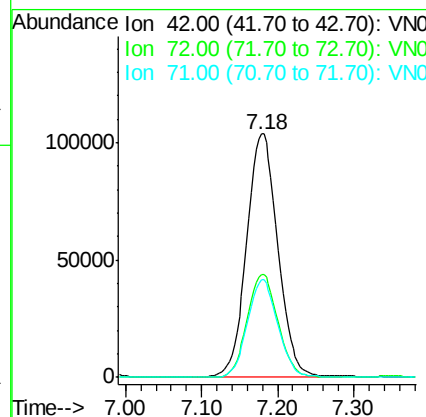
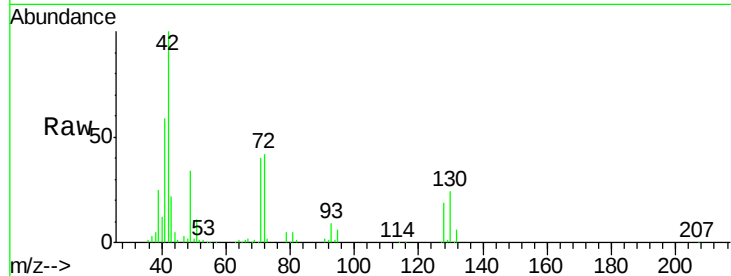
#29  
Tetrahydrofuran  
Concen: 288.866 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.5  | 33.2  | 49.8  |
| 71      | 38.9  | 31.1  | 46.7  |

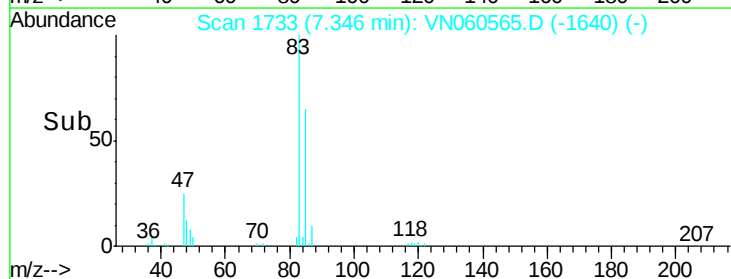
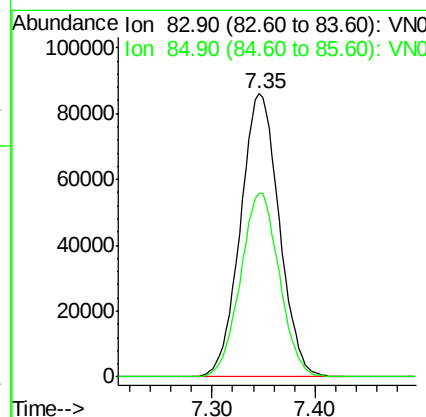
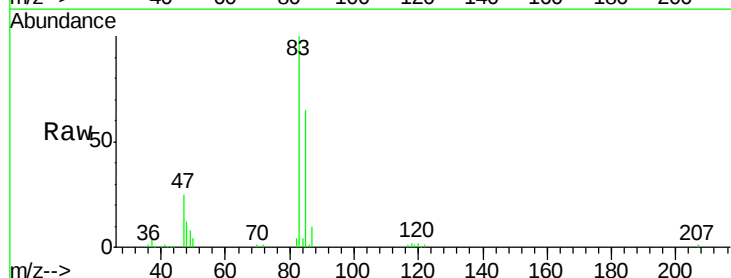
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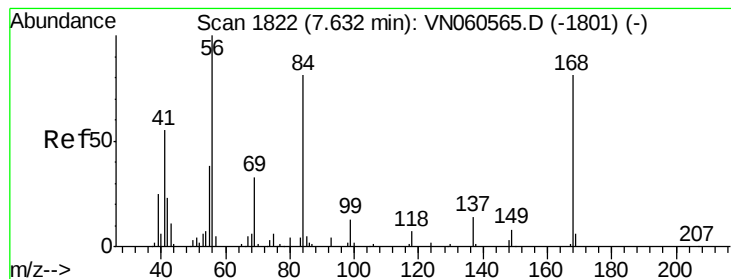
MMDadoda  
3/18/2020 7:00:39 PM



#30  
Chloroform  
Concen: 51.332 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.8  | 51.8  | 77.8  |





#31

Cyclohexane

Concen: 54.249 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

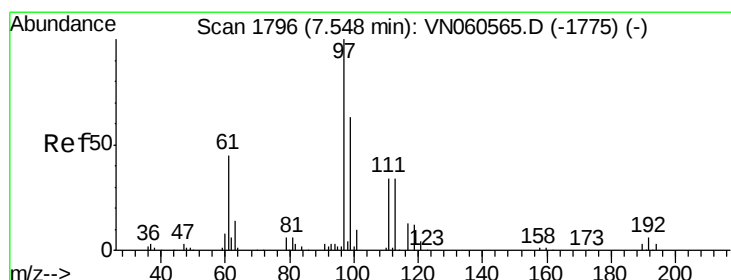
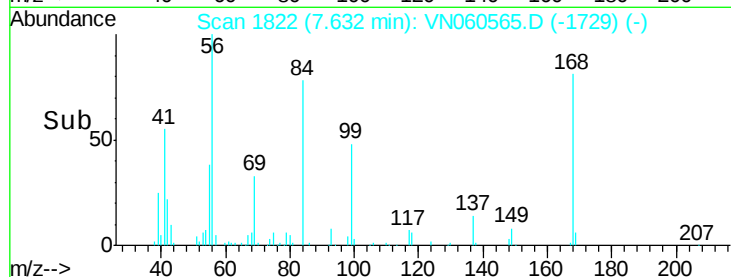
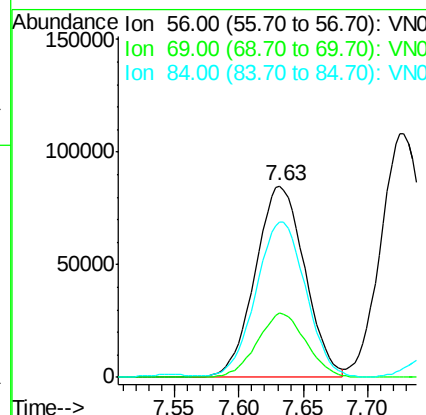
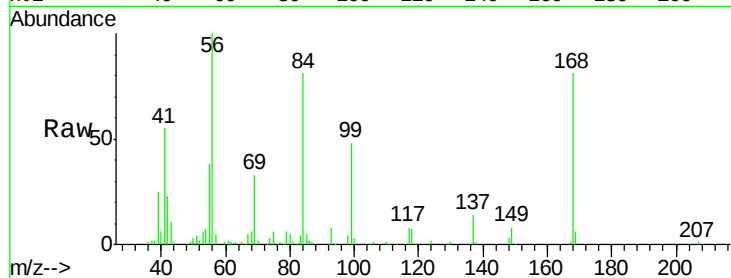
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 227714 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 33.3  | 26.6  | 40.0   |
| 84       | 80.4  | 64.3  | 96.5   |

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#32

1,1,1-Trichloroethane

Concen: 51.209 ug/l

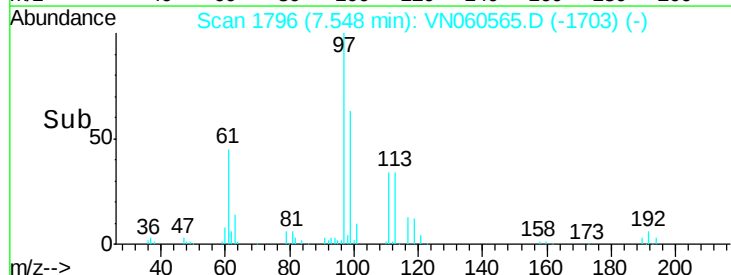
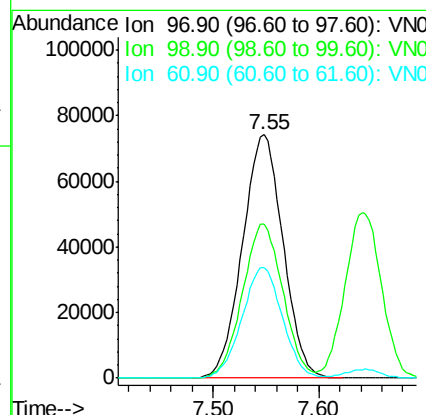
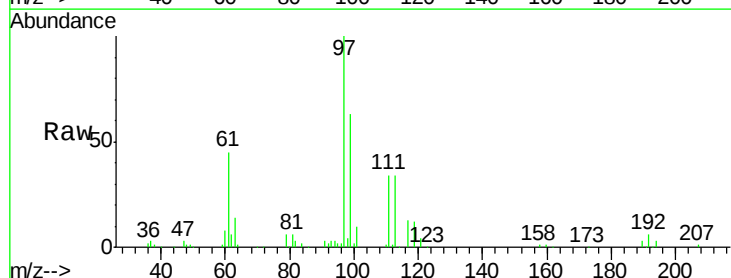
RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 198421 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.2  | 50.6  | 75.8   |
| 61       | 45.3  | 36.2  | 54.4   |





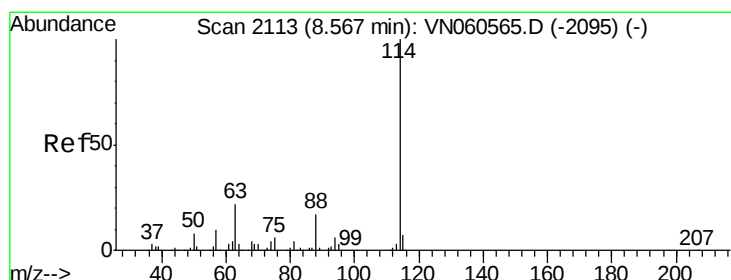
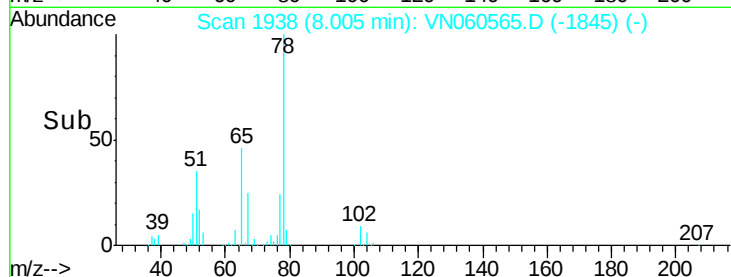
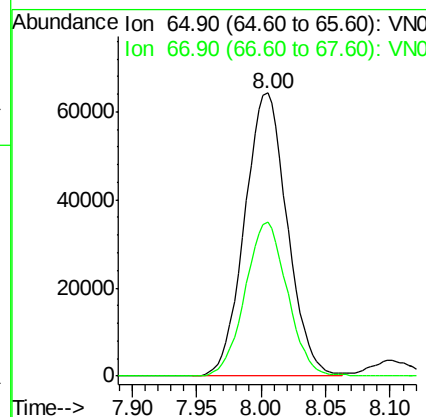
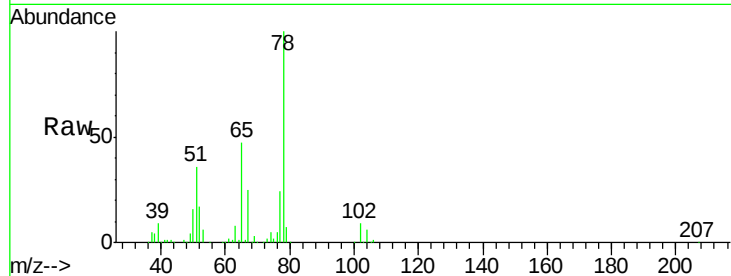
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.570 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 148012 |       |       |
| 67      | 53.8  | 0.0    | 107.6 |       |

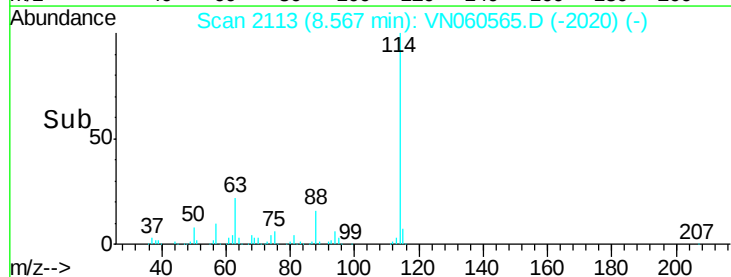
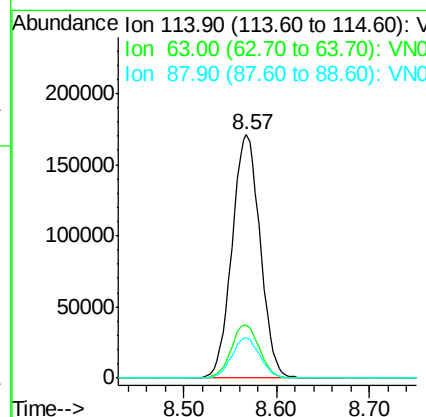
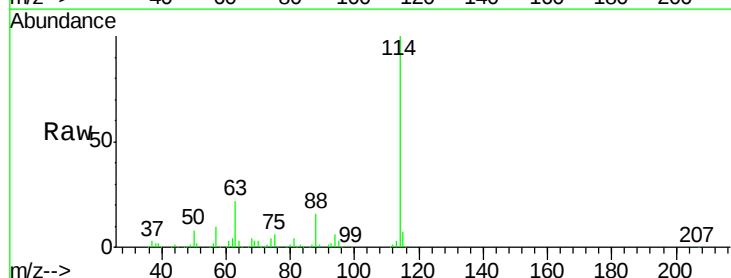
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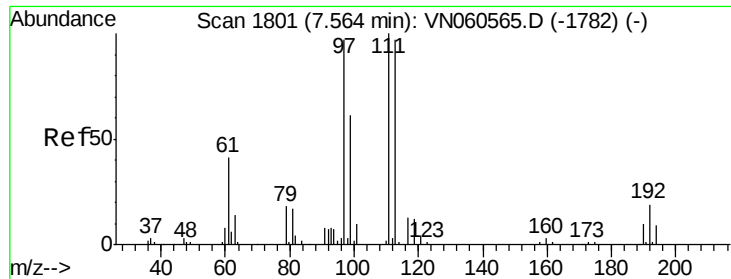
MMDadoda  
 3/18/2020 7:00:39 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 359213 |       |       |
| 63      | 21.9  | 0.0    | 43.8  |       |
| 88      | 16.5  | 0.0    | 33.0  |       |





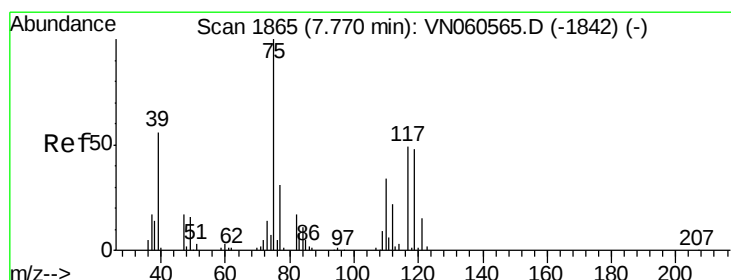
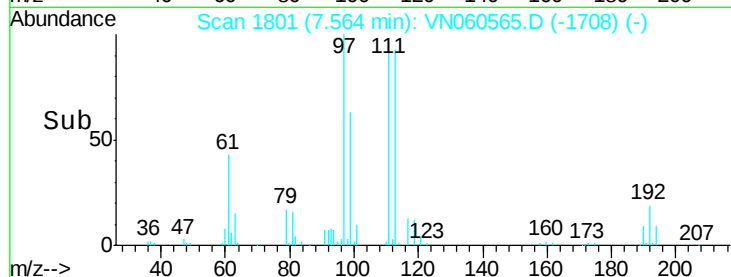
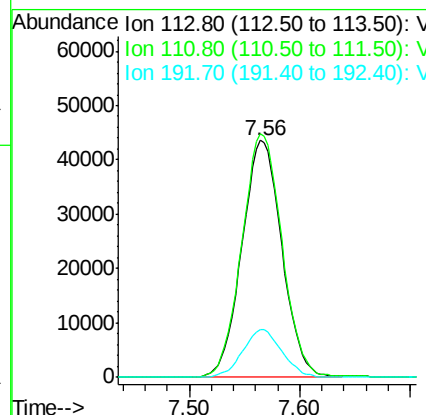
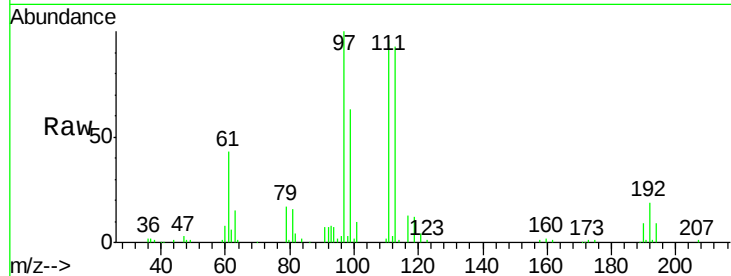
#35  
 Dibromofluoromethane  
 Concen: 61.493 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 109490 |       |       |
| 111     | 103.6 | 82.9   | 124.3 |       |
| 192     | 19.8  | 15.8   | 23.8  |       |

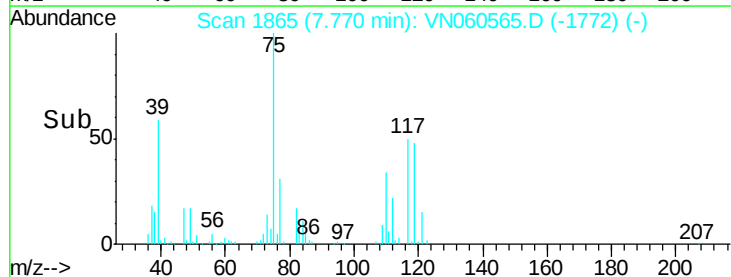
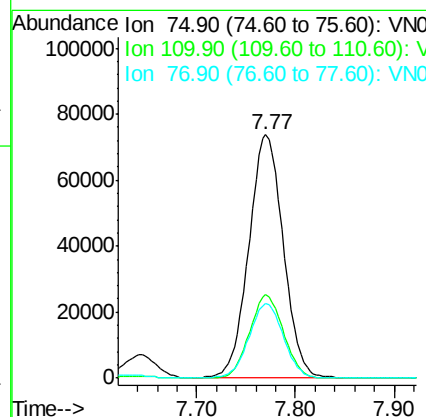
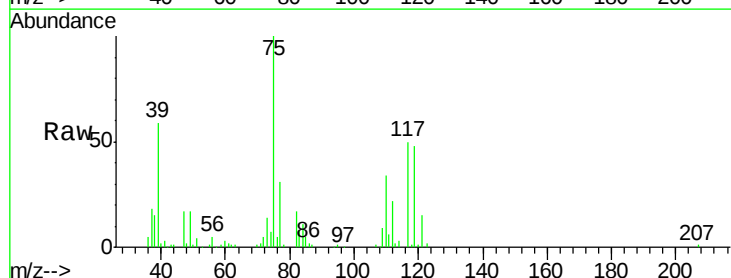
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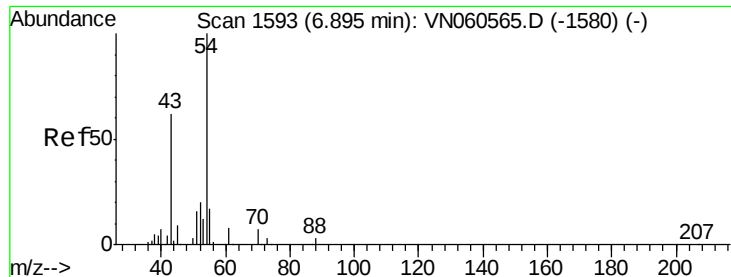
MMDadoda  
 3/18/2020 7:00:39 PM



#36  
 1,1-Dichloropropene  
 Concen: 51.168 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 178278 |       |       |
| 110     | 33.7  | 16.9   | 50.6  |       |
| 77      | 30.7  | 24.6   | 36.8  |       |





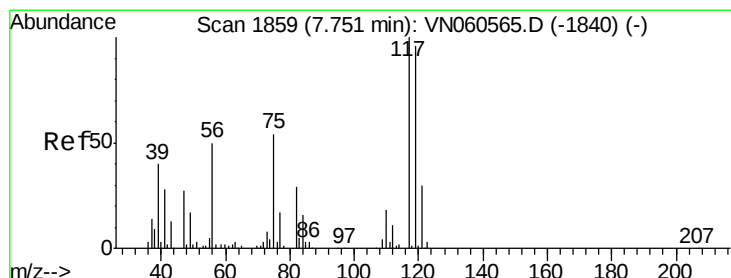
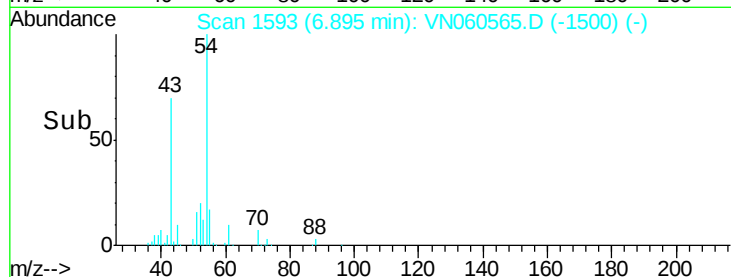
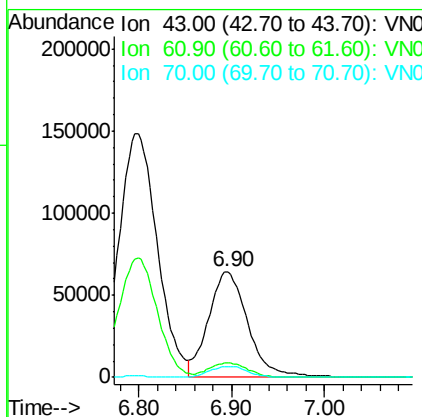
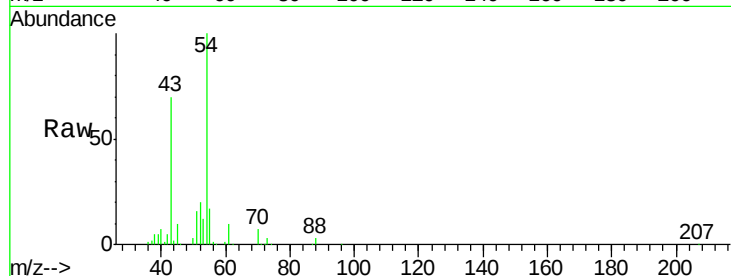
#37  
Ethyl Acetate  
Concen: 55.821 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 13.2  | 10.6 | 15.8  |       |
| 70      | 9.9   | 7.9  | 11.9  |       |

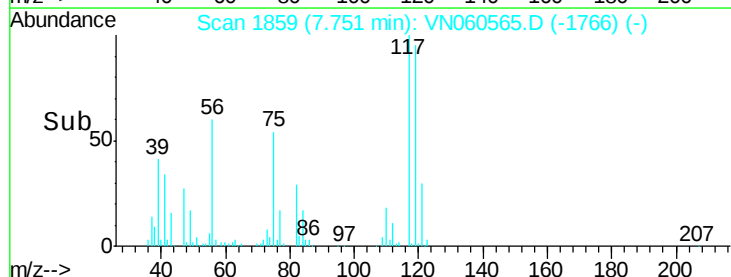
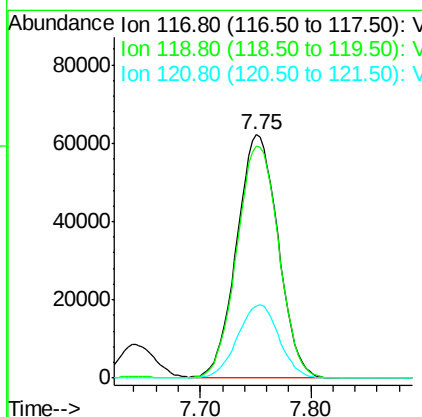
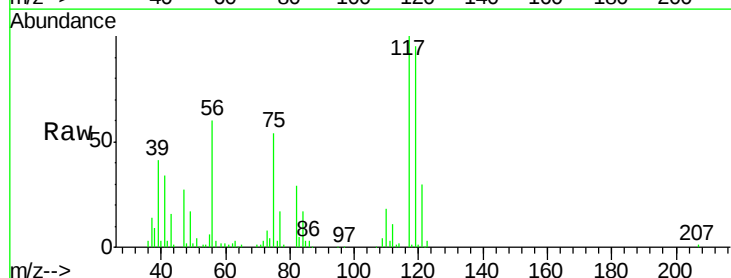
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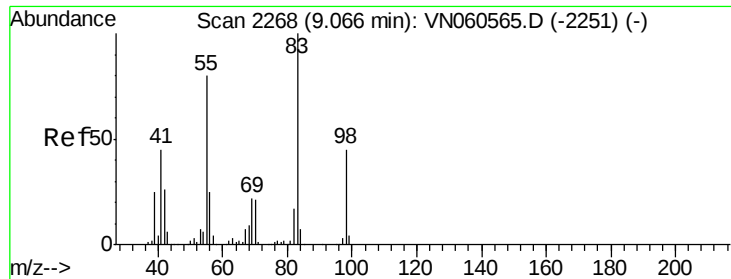
MMDadoda  
3/18/2020 7:00:39 PM



#38  
Carbon Tetrachloride  
Concen: 48.570 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.2  | 76.2 | 114.2 |       |
| 121     | 29.6  | 23.7 | 35.5  |       |





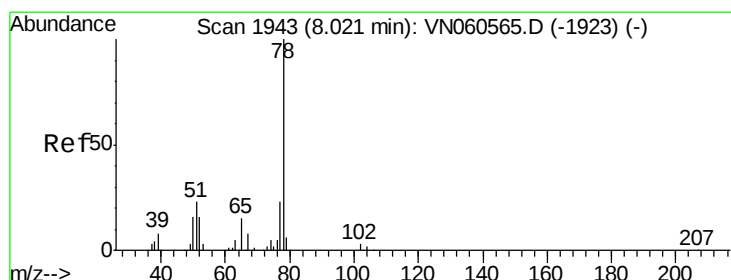
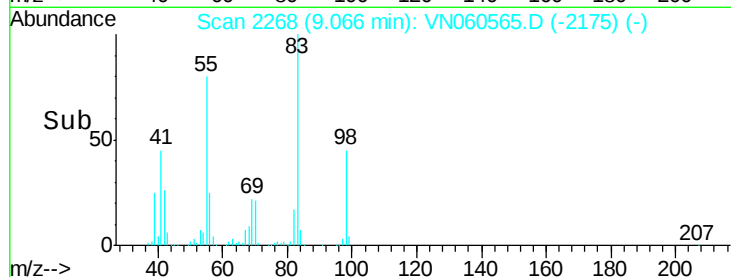
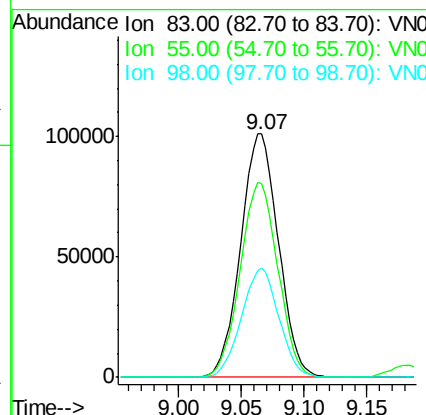
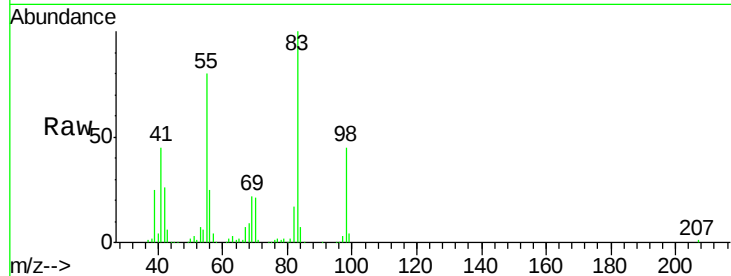
#39  
Methvlcvclohexane  
Concen: 51.534 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 79.5  | 63.6 | 95.4  |       |
| 98      | 45.0  | 36.0 | 54.0  |       |

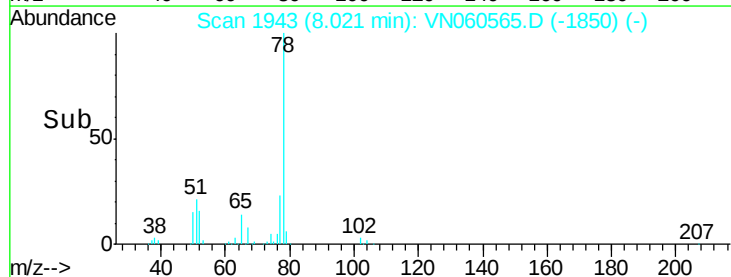
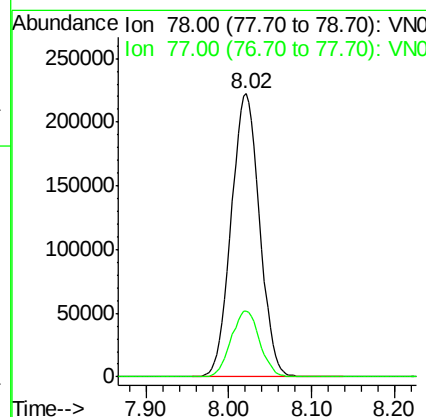
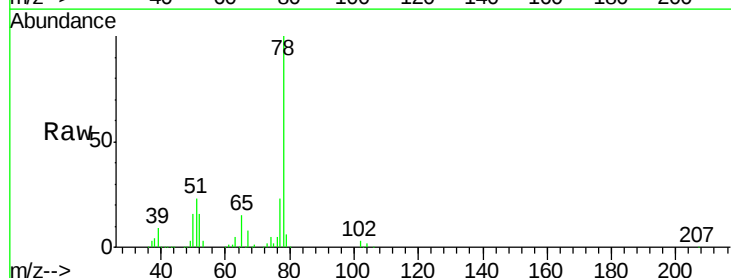
Manual Integrations  
APPROVED

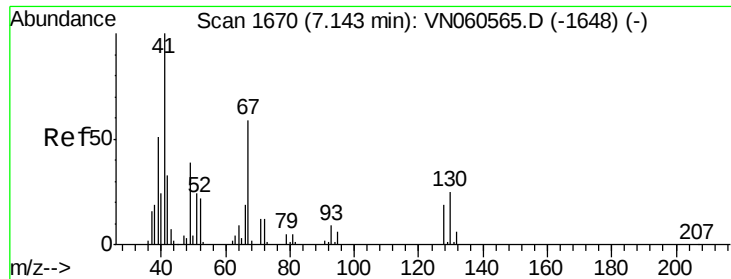
MMDadoda  
3/18/2020 7:00:39 PM



#40  
Benzene  
Concen: 52.245 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.3  | 18.6 | 28.0  |       |





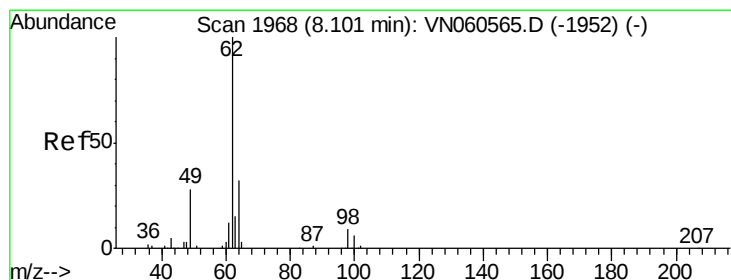
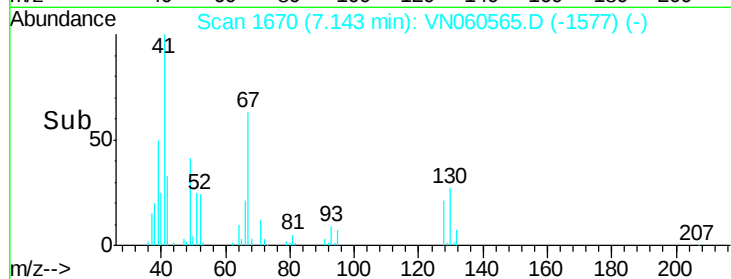
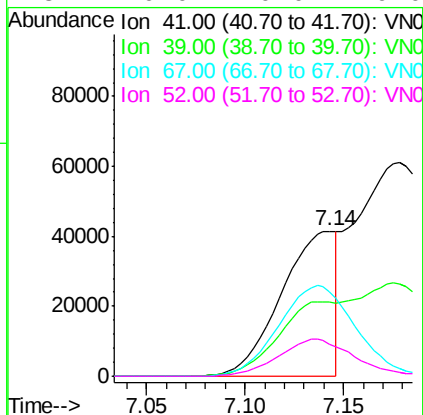
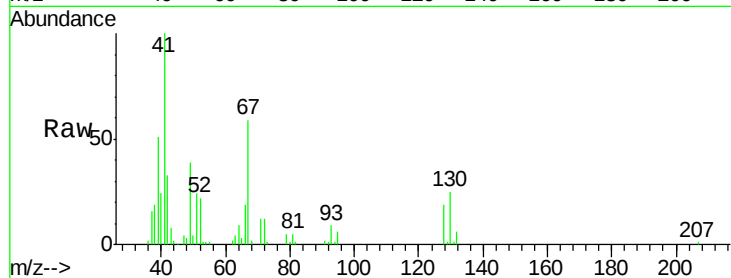
#41  
Methacrylonitrile  
Concen: 53.506 ug/l m  
RT: 7.14 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion   | 41    | Resp  | 80813 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 0.0   | 0.0   | 0.0   |
| 67        | 0.0   | 0.0   | 0.0   |
| 52        | 0.0   | 0.0   | 0.0   |

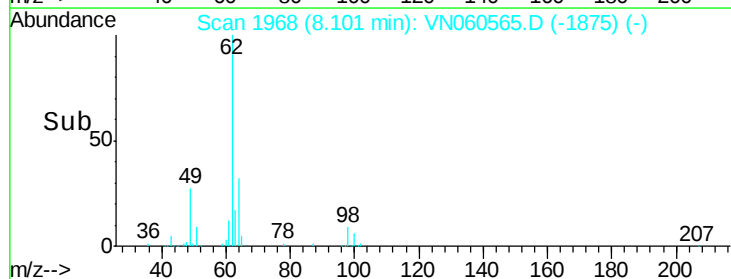
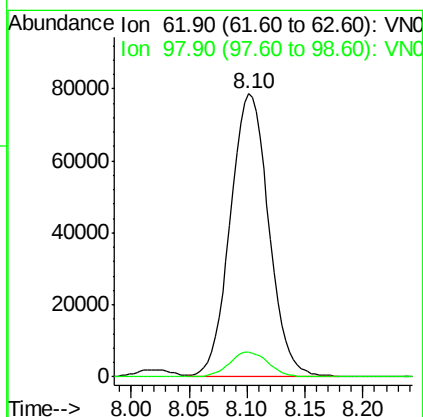
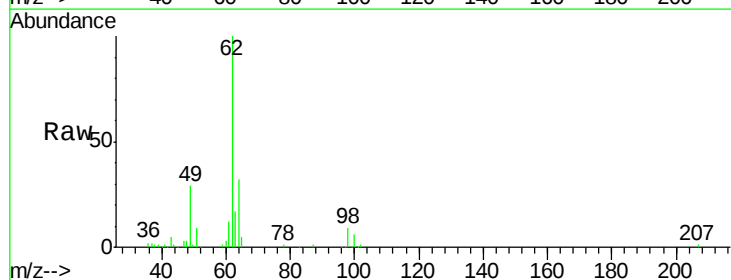
Manual Integrations  
APPROVED

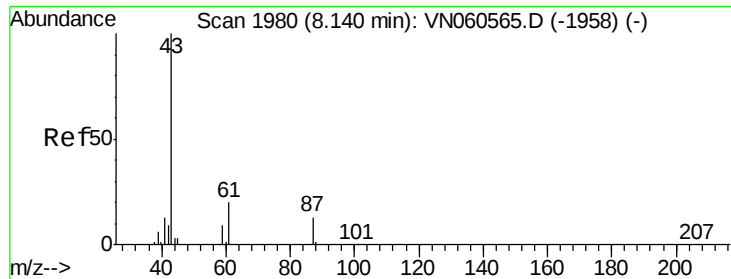
MMDadoda  
3/18/2020 7:00:39 PM



#42  
1,2-Dichloroethane  
Concen: 50.026 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion   | 62    | Resp  | 180701 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 8.9   | 0.0   | 17.8   |





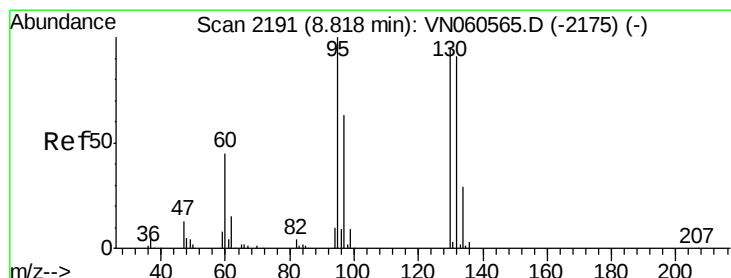
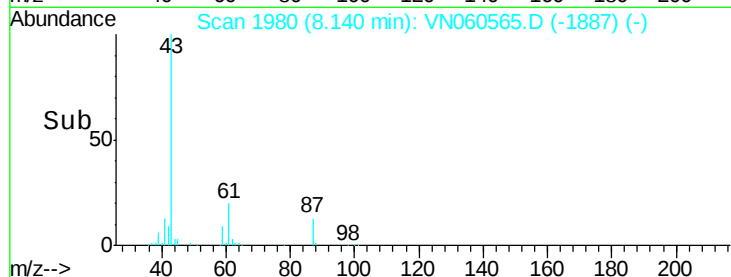
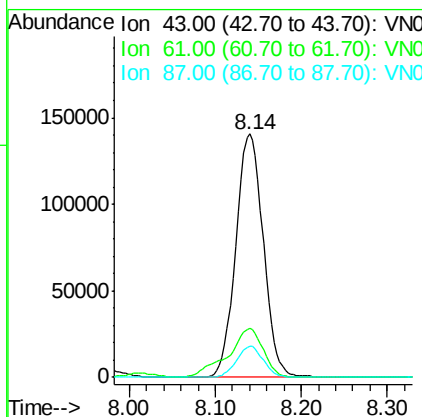
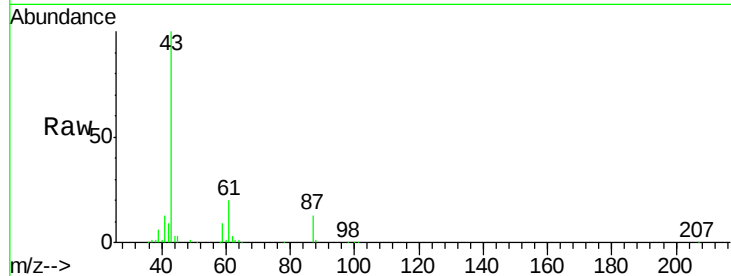
#43  
Isopropyl Acetate  
Concen: 54.172 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion   | 43   | Resp  | 313059 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 61        | 25.9 | 20.7  | 31.1   |
| 87        | 12.3 | 9.8   | 14.8   |

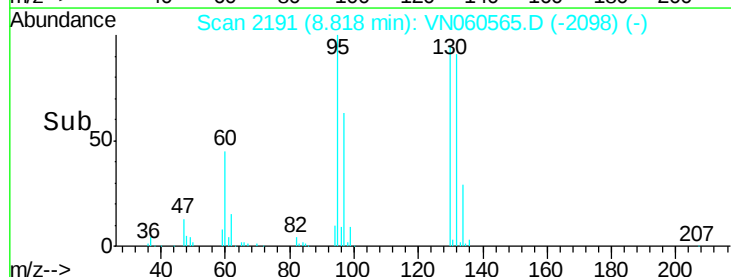
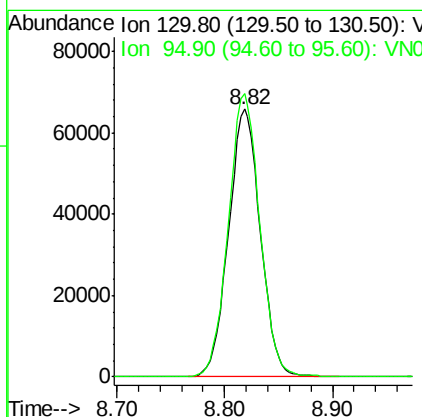
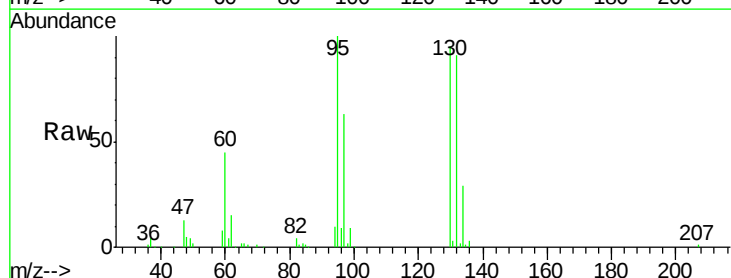
Manual Integrations  
APPROVED

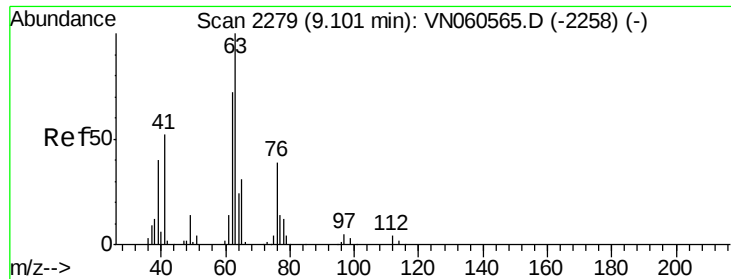
MMDadoda  
3/18/2020 7:00:39 PM



#44  
Trichloroethene  
Concen: 48.427 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion   | 130   | Resp  | 134983 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 95        | 105.6 | 0.0   | 211.2  |





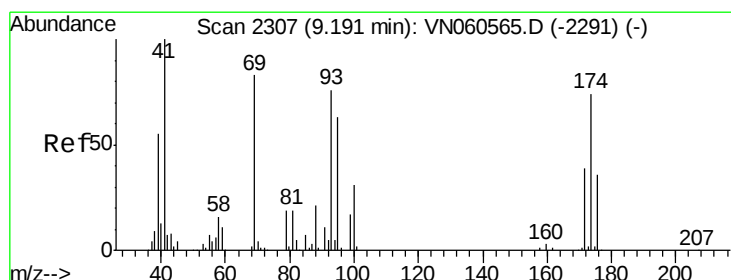
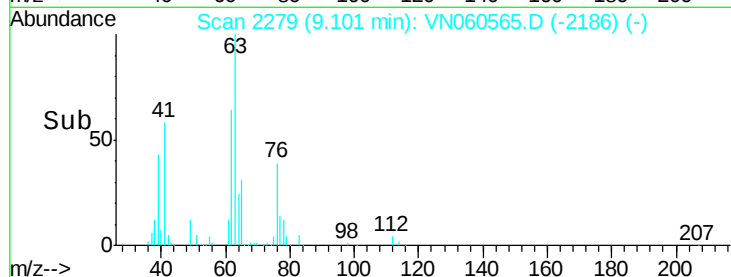
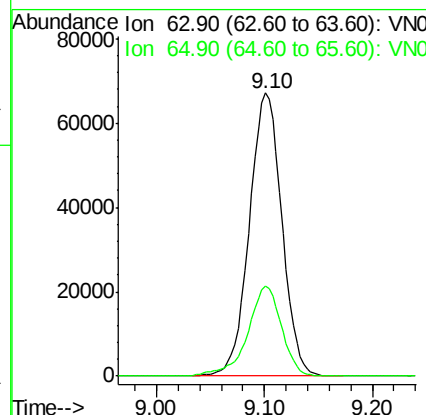
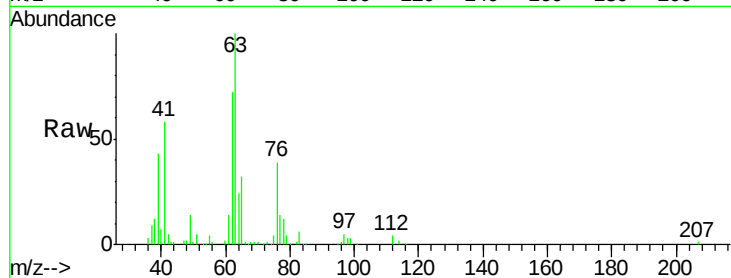
#45  
 1,2-Dichloropropane  
 Concen: 53.187 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion   | 63   | Resp  | 140575 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 63        | 100  |       |        |
| 65        | 31.7 | 25.4  | 38.0   |

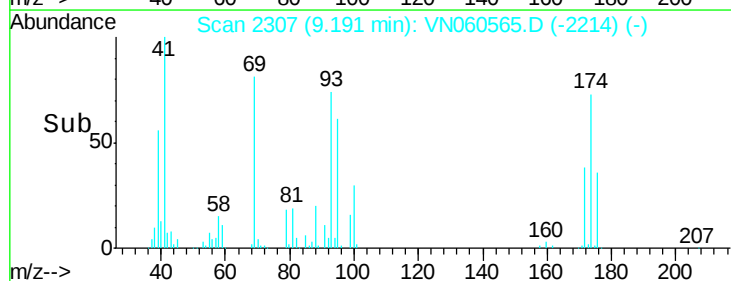
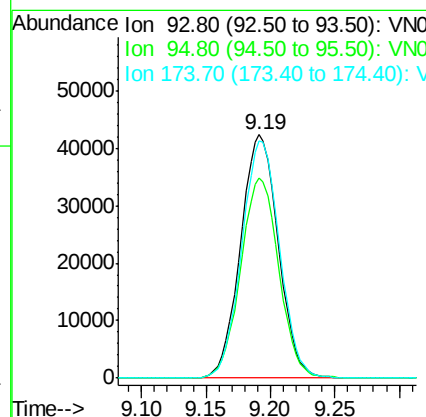
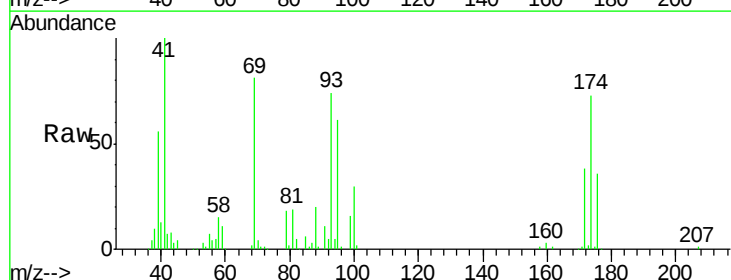
Manual Integrations  
 APPROVED

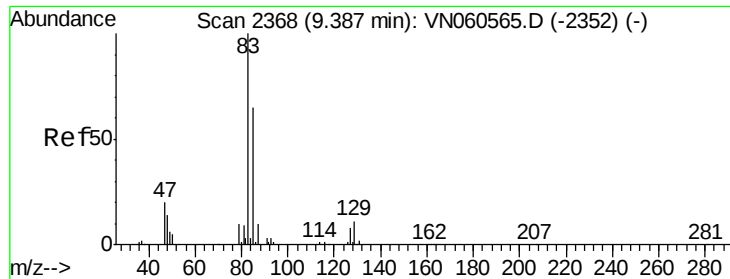
MMDadoda  
 3/18/2020 7:00:39 PM



#46  
 Dibromomethane  
 Concen: 50.800 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion   | 93   | Resp  | 86434 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 93        | 100  |       |       |
| 95        | 82.8 | 66.2  | 99.4  |
| 174       | 97.4 | 77.9  | 116.9 |





#47

Bromodichloromethane

Concen: 51.321 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

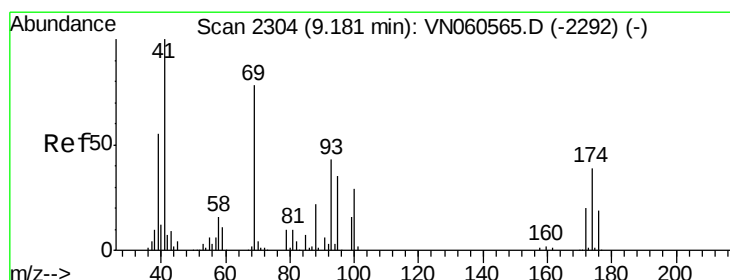
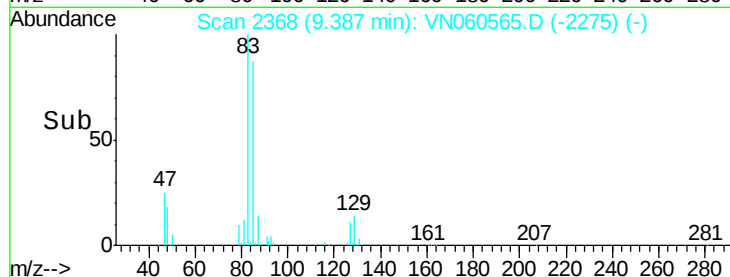
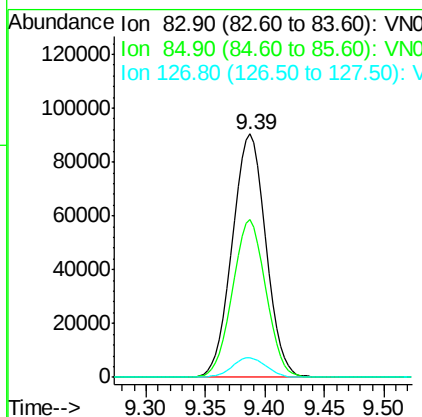
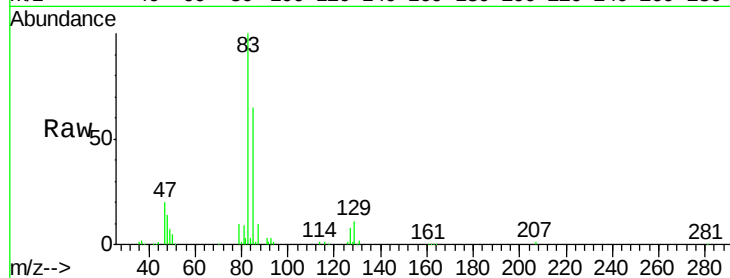
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 177498 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.7  | 51.8  | 77.6   |
| 127      | 8.1   | 6.5   | 9.7    |

Manual Integrations  
APPROVED

MMDadoda  
3/18/2020 7:00:39 PM



#48

Methyl methacrylate

Concen: 53.322 ug/l

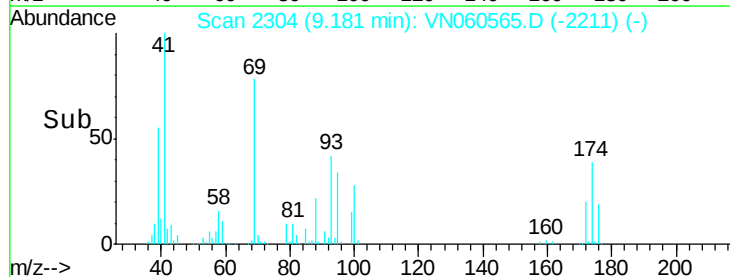
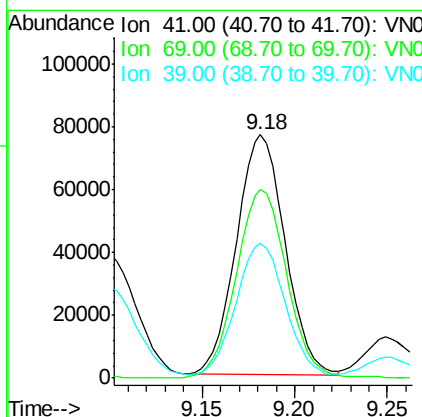
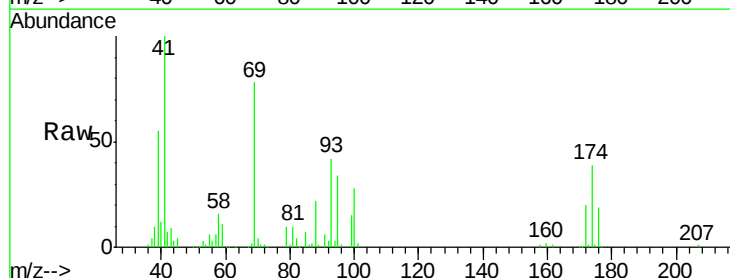
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 140336 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 81.7  | 65.4  | 98.0   |
| 39       | 55.0  | 44.0  | 66.0   |





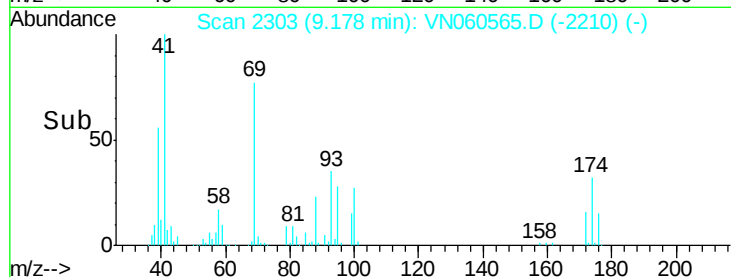
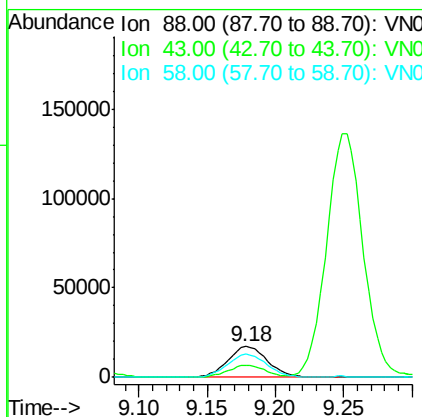
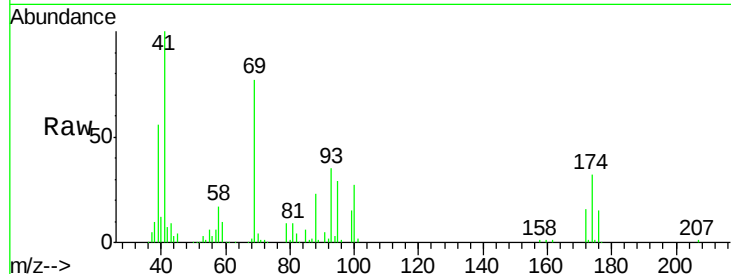
#49  
1,4-Dioxane  
Concen: 957.810 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 38.5  | 30.8  | 46.2  |
| 58      | 74.8  | 59.8  | 89.8  |

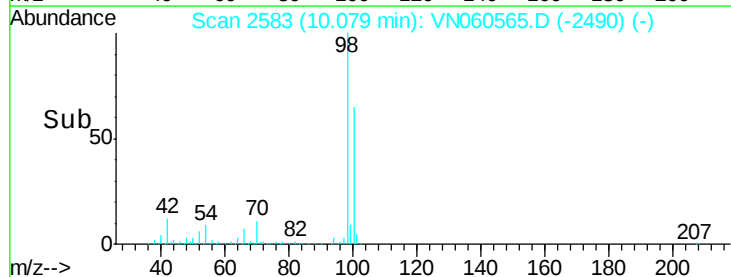
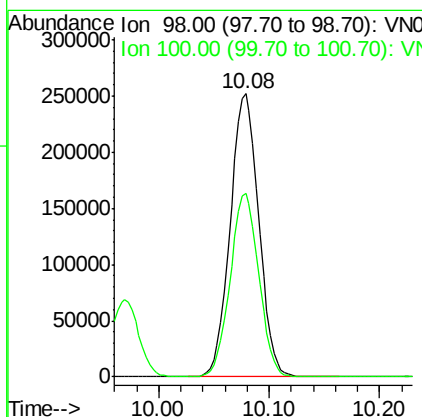
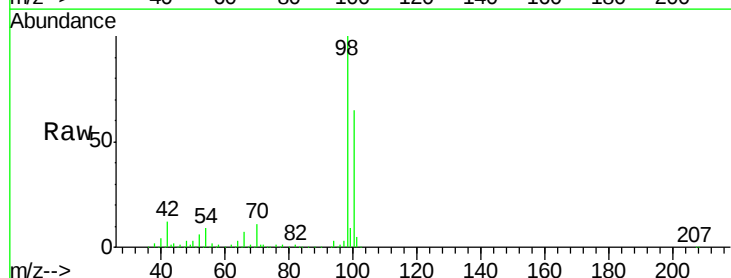
Manual Integrations  
APPROVED

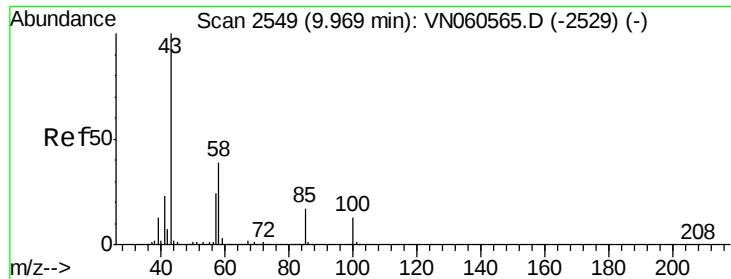
MMDadoda  
3/18/2020 7:00:39 PM



#50  
Toluene-d8  
Concen: 52.225 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.8  | 51.8  | 77.8  |





#51

4-Methyl-2-Pentanone

Concen: 278.979 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 915934

Ion Ratio Lower Upper

43 100

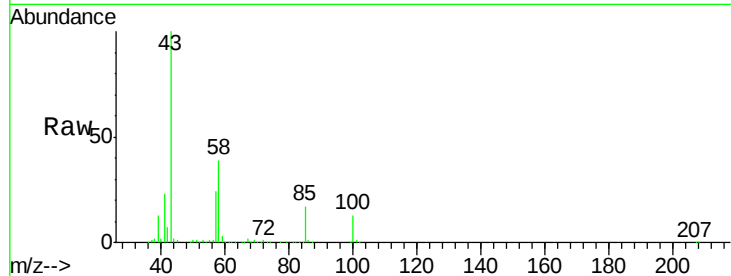
58 38.5 30.8 46.2

Manual Integrations

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3/18/2020 7:00:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

600000

500000

400000

300000

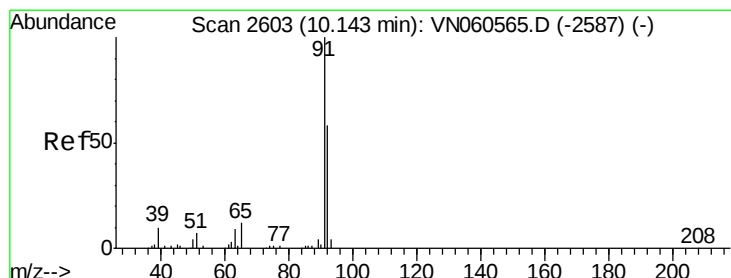
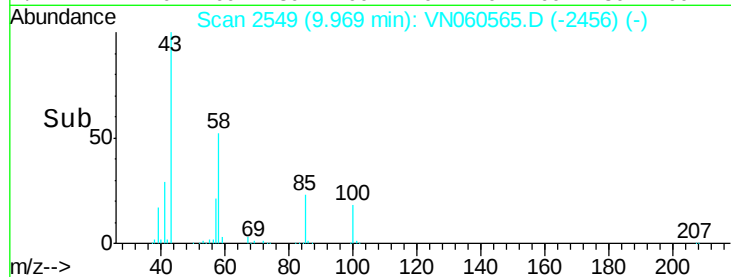
200000

100000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 51.197 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060565.D

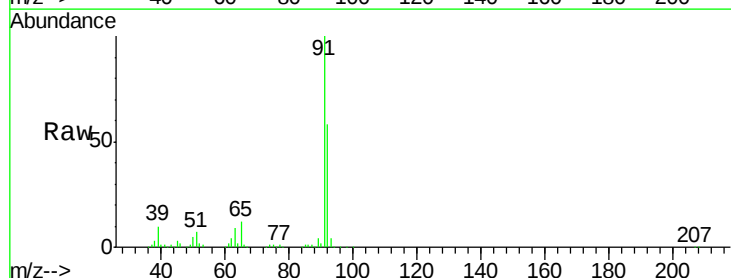
Acq: 17 Mar 2020 19:13

Tgt Ion: 92 Resp: 323727

Ion Ratio Lower Upper

92 100

91 172.0 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

300000

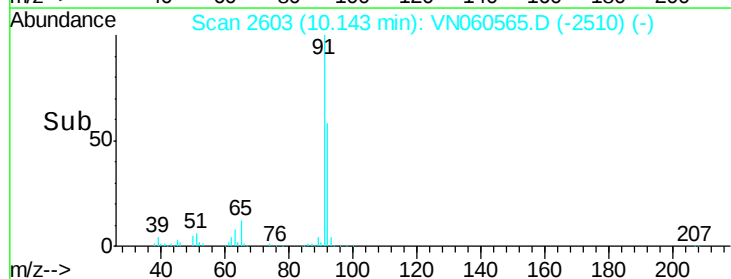
200000

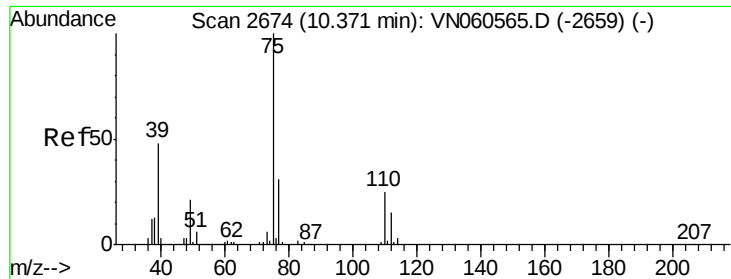
100000

0

10.10 10.14 10.18

Time-->





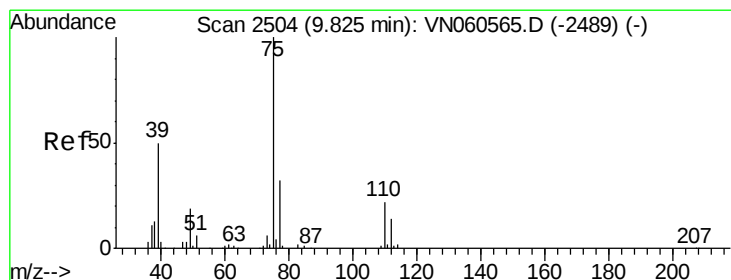
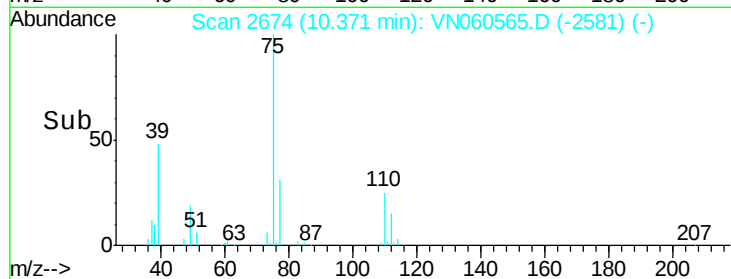
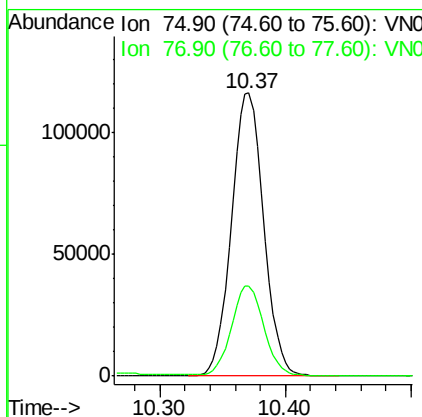
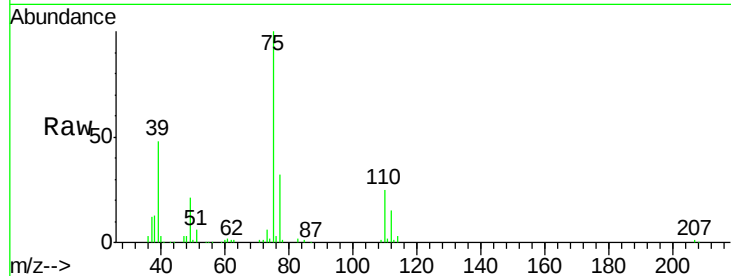
#53  
t-1,3-Dichloropropene  
Concen: 49.006 ug/l  
RT: 10.37 min Scan# 2674  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDICCC050

Tot Ion: 75 Resp: 207364  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.1 37.7

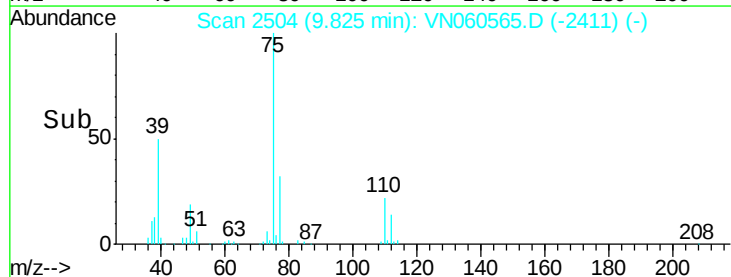
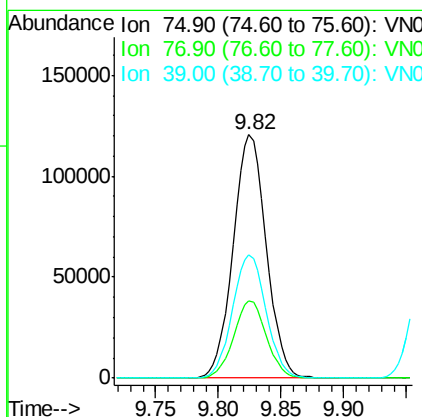
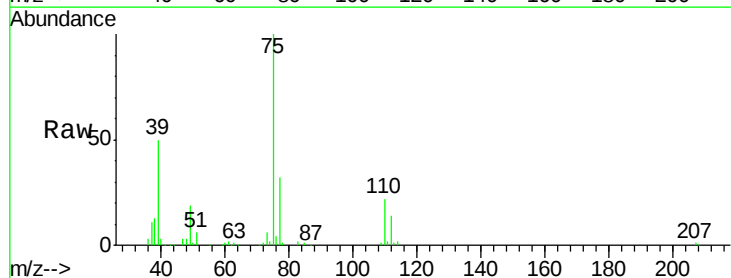
Manual Integrations  
APPROVED

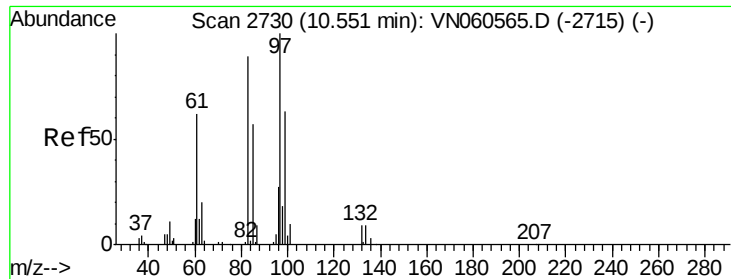
MMDadoda  
3/18/2020 7:00:39 PM



#54  
cis-1,3-Dichloropropene  
Concen: 50.368 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Tgt Ion: 75 Resp: 221477  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.4 38.0  
39 50.3 40.2 60.4





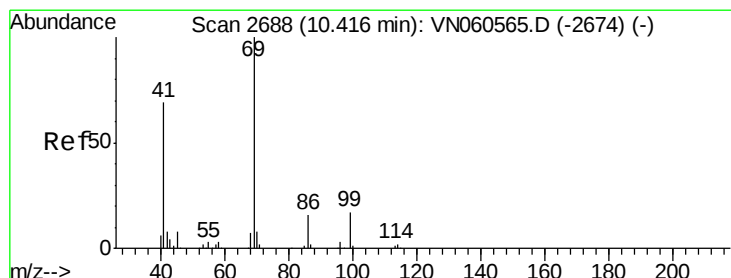
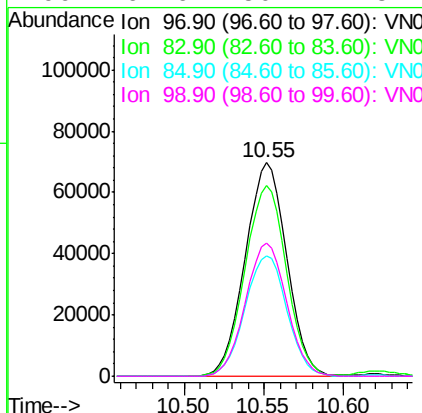
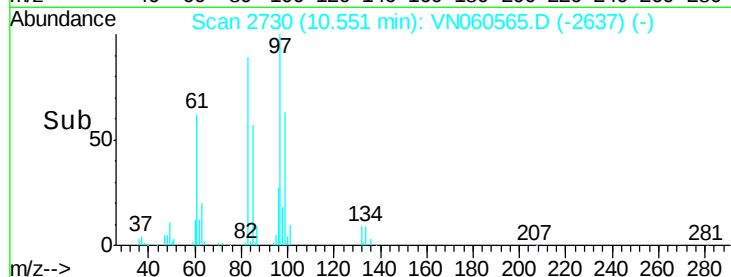
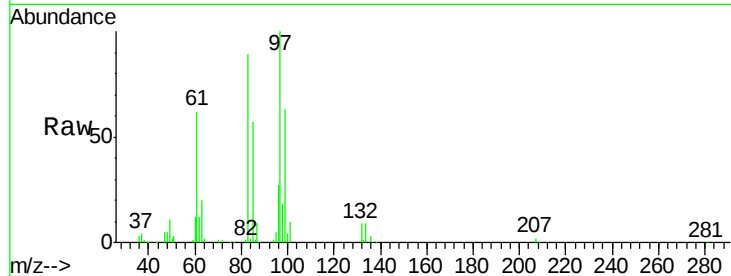
#55  
 1,1,2-Trichloroethane  
 Concen: 49.001 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 123954 |       |       |
| 83      | 89.1 | 71.3  | 106.9  |       |       |
| 85      | 56.5 | 45.2  | 67.8   |       |       |
| 99      | 62.6 | 50.1  | 75.1   |       |       |

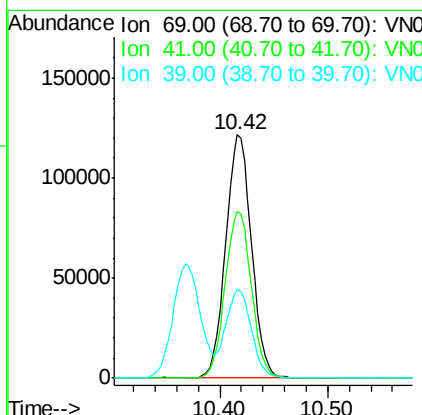
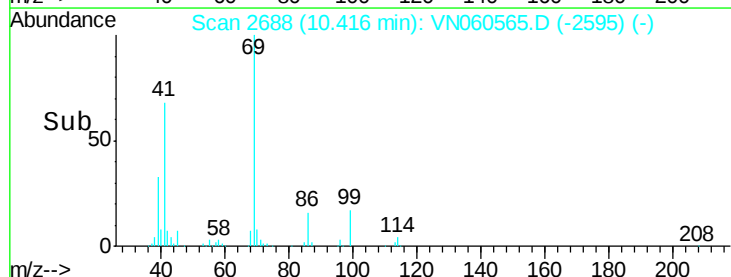
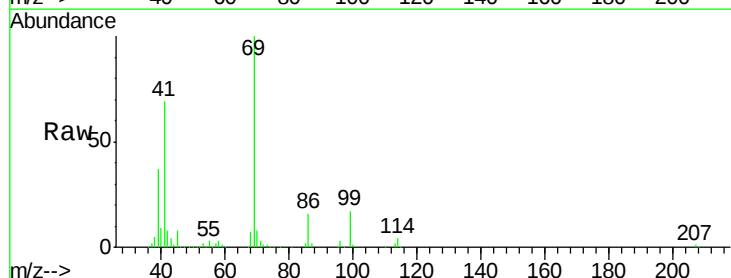
Manual Integrations  
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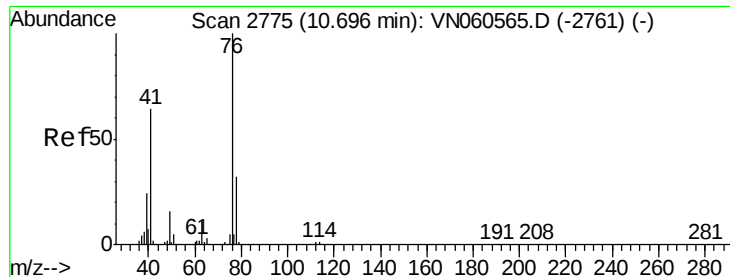
MMDadoda  
 3/18/2020 7:00:39 PM



#56  
 Ethyl methacrylate  
 Concen: 55.242 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 202641 |       |       |
| 41      | 69.3 | 55.4  | 83.2   |       |       |
| 39      | 36.7 | 29.4  | 44.0   |       |       |





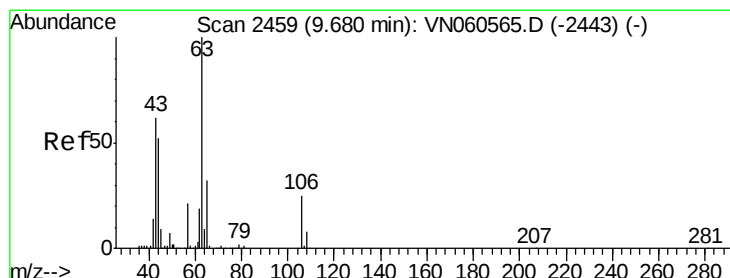
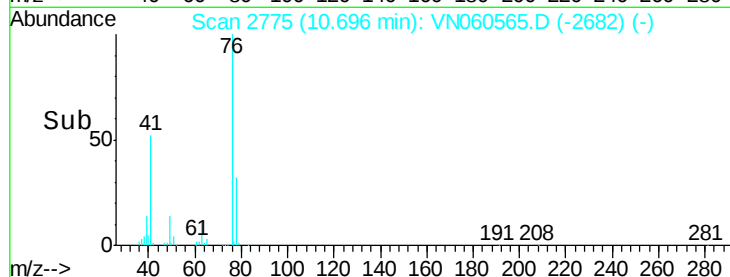
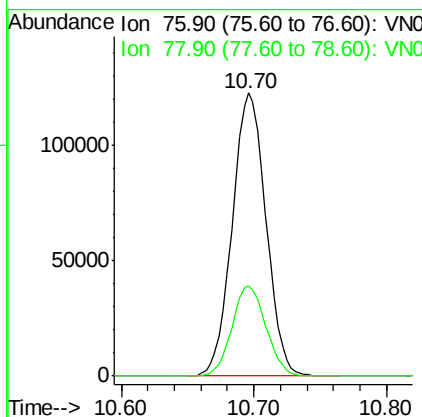
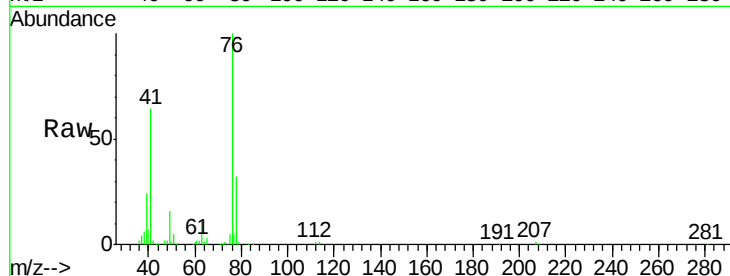
#57  
 1,3-Dichloropropane  
 Concen: 52.127 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.2  | 25.8  | 38.6  |

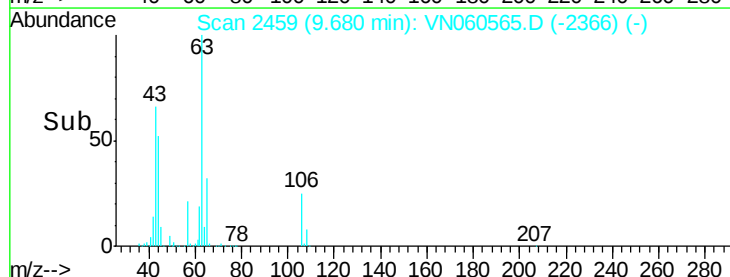
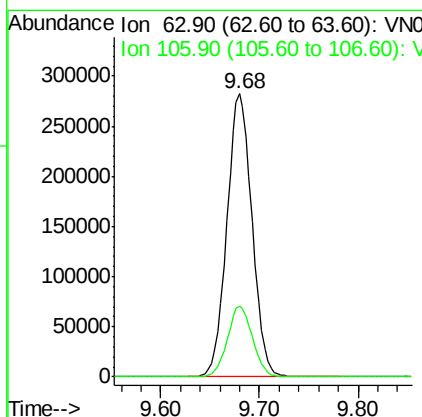
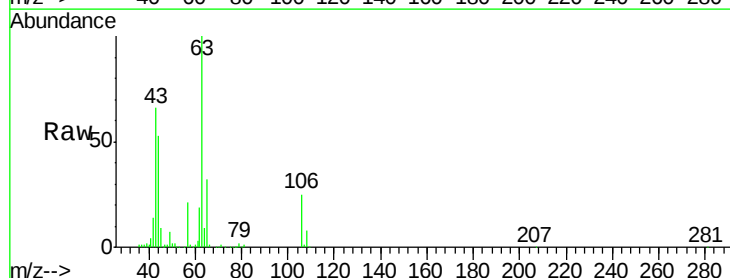
Manual Integrations  
 APPROVED

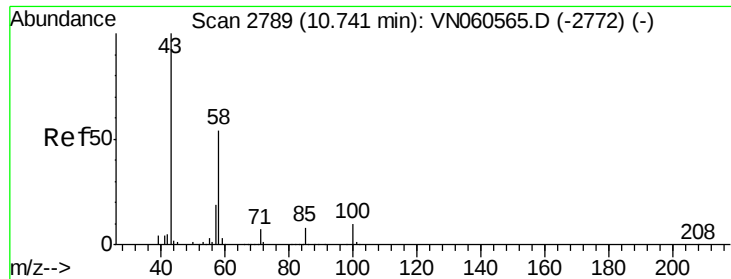
MMDadoda  
 3/18/2020 7:00:39 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 263.491 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 25.0  | 20.0  | 30.0  |





#59

2-Hexanone

Concen: 278.192 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 669901

Ion Ratio Lower Upper

43 100

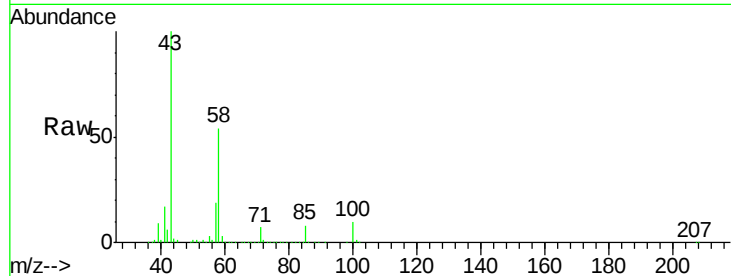
58 53.4 26.7 80.1

Manual Integrations

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3/18/2020 7:00:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2772) (-)

10.74

400000

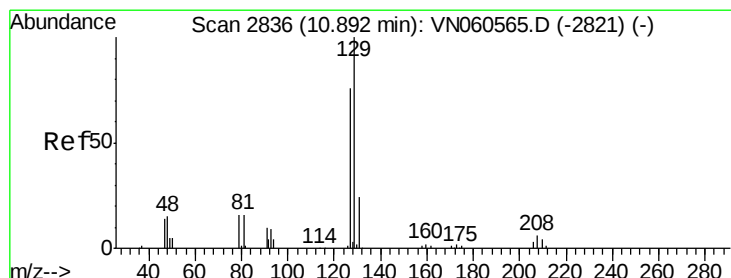
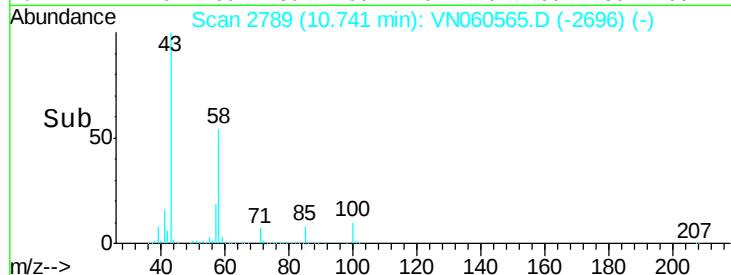
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 51.108 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060565.D

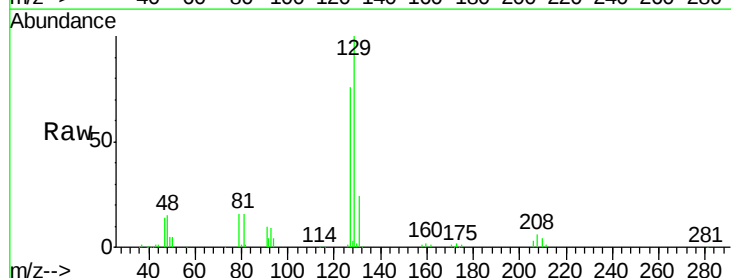
Acq: 17 Mar 2020 19:13

Tgt Ion: 129 Resp: 131431

Ion Ratio Lower Upper

129 100

127 77.0 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN060565.D (-2821) (-)

Ion 126.80 (126.50 to 127.50): VN060565.D (-2821) (-)

10.89

80000

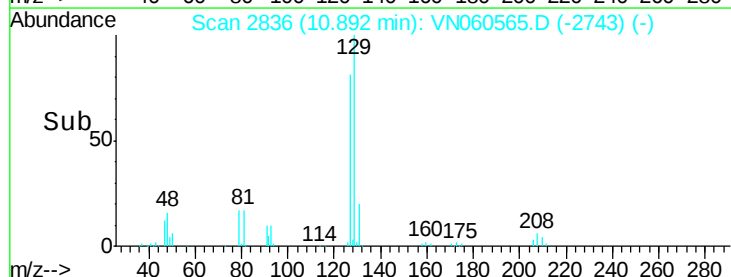
60000

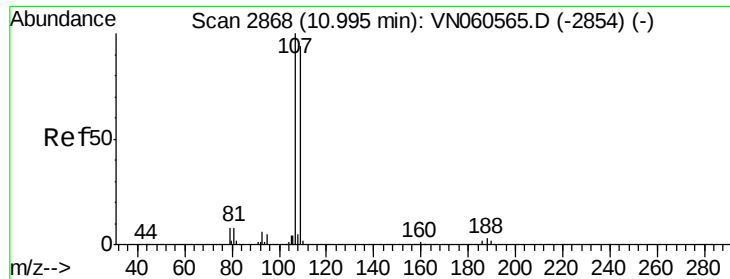
40000

20000

0

Time-->





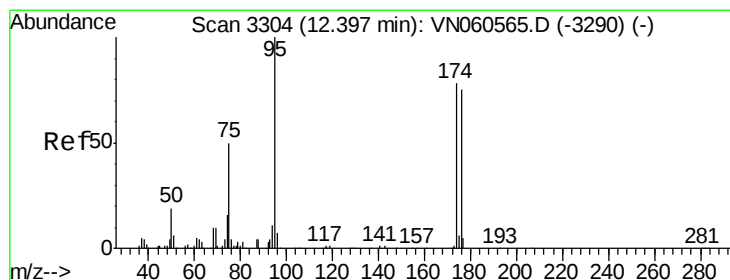
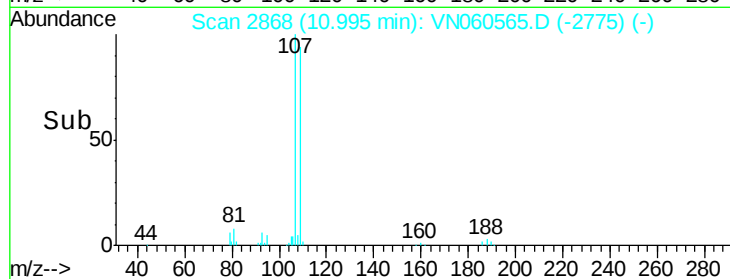
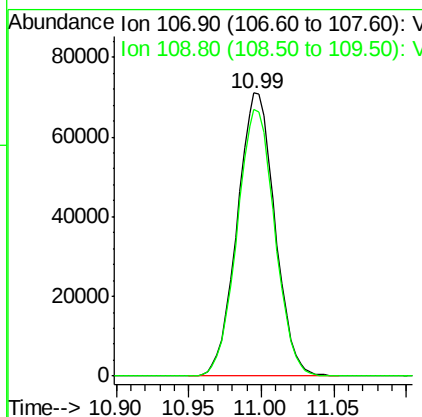
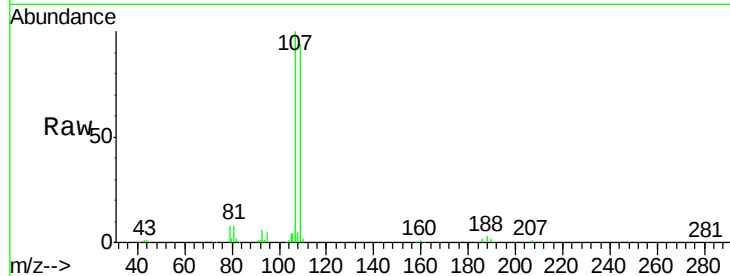
#61  
 1,2-Dibromoethane  
 Concen: 51.775 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.3  | 75.4  | 113.2 |

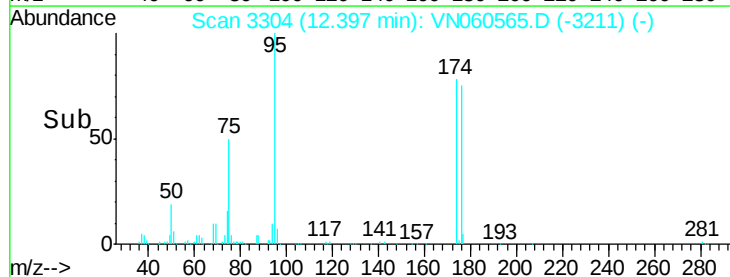
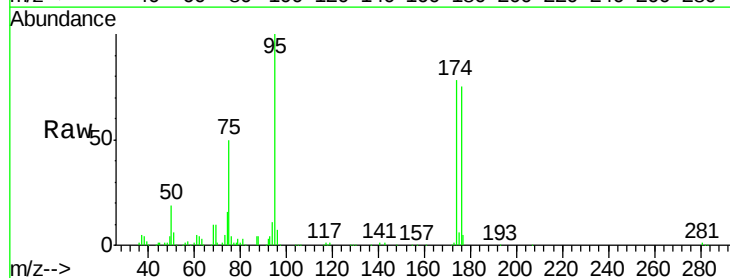
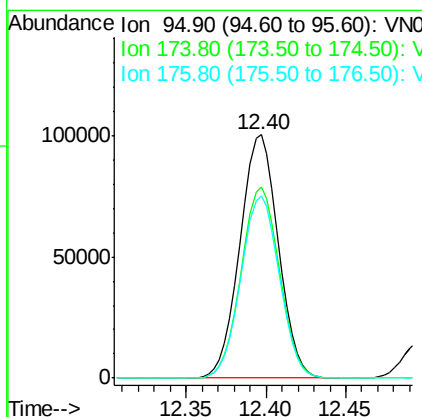
Manual Integrations  
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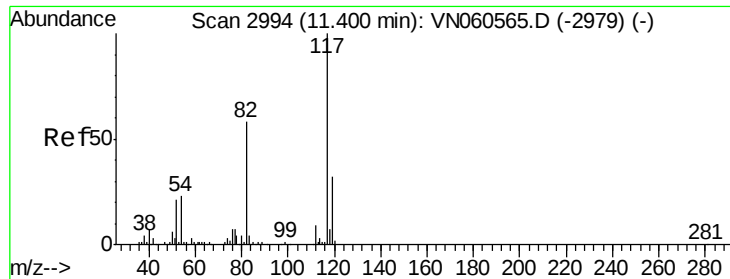
MMDadoda  
 3/18/2020 7:00:39 PM



#62  
 4-Bromofluorobenzene  
 Concen: 50.386 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 78.8  | 0.0   | 157.6 |
| 176     | 75.3  | 0.0   | 150.6 |





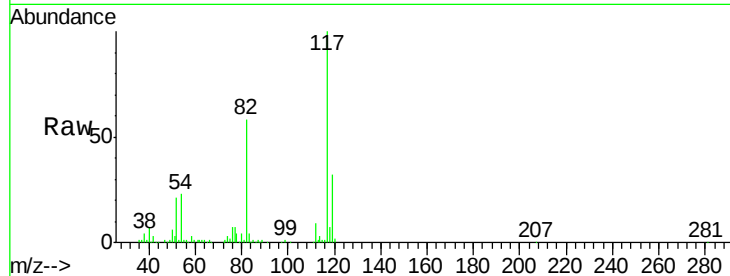
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.4  | 46.7  | 70.1  |
| 119     | 31.9  | 25.5  | 38.3  |

Manual Integrations  
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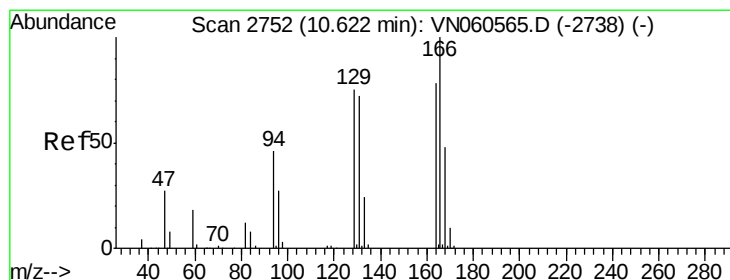
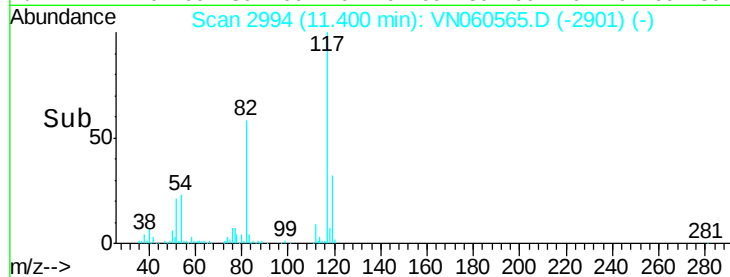
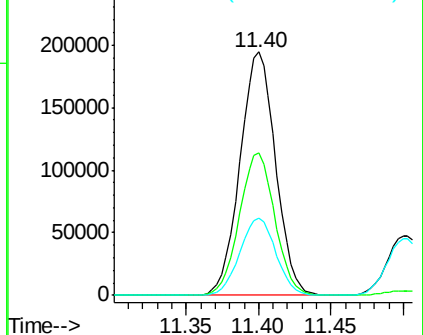


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 44.312 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.4 | 102.7 | 154.1 |
| 129     | 96.5  | 77.2  | 115.8 |
| 131     | 92.2  | 73.8  | 110.6 |

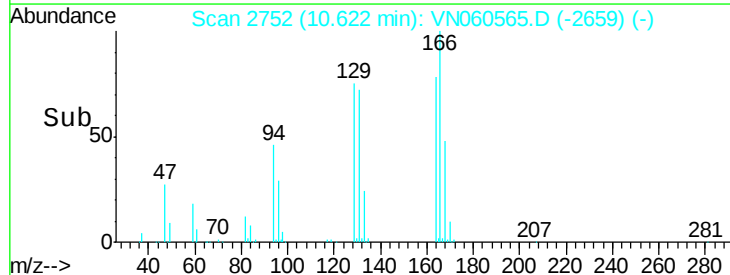
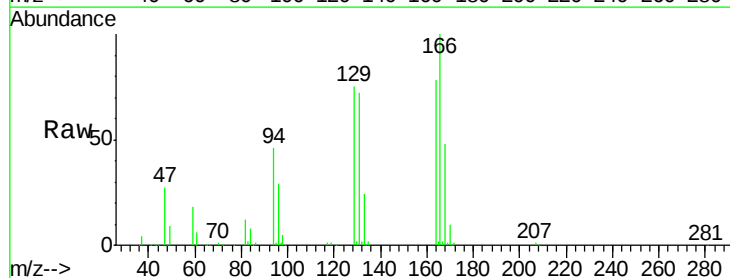
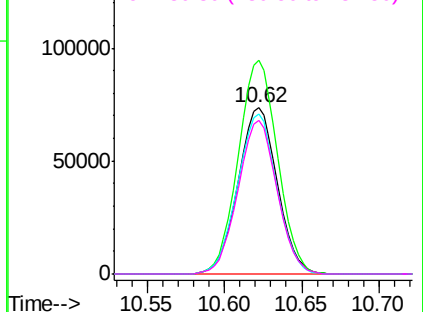
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.003 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 328855

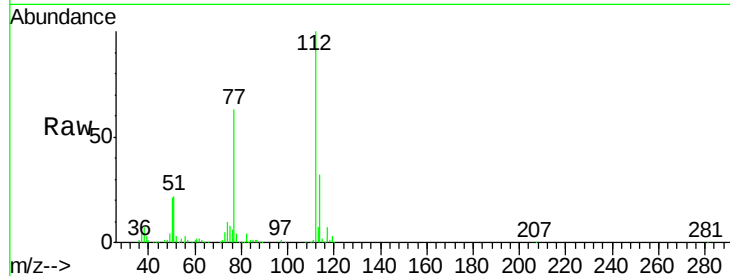
Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.6

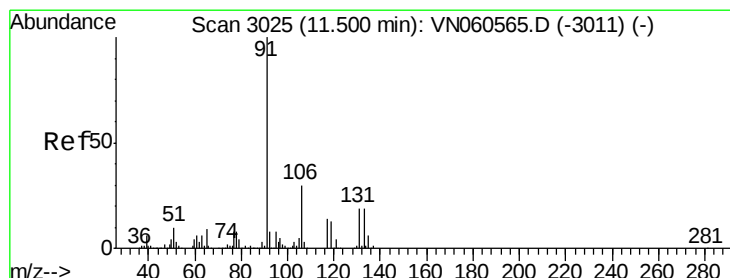
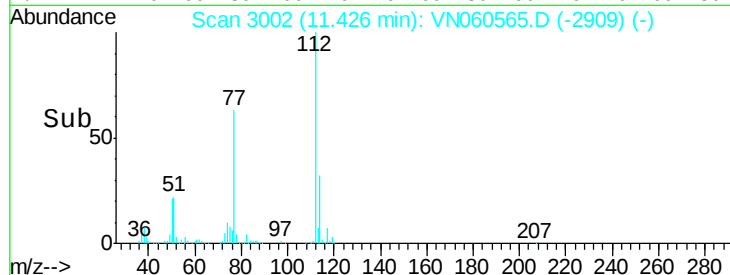
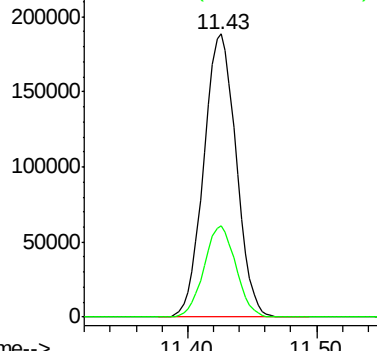
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.441 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

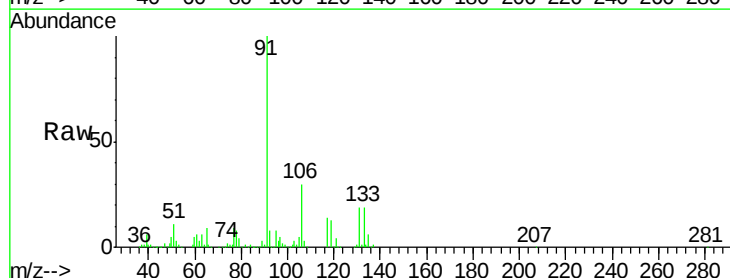
Tgt Ion:131 Resp: 119429

Ion Ratio Lower Upper

131 100

133 97.9 48.9 146.8

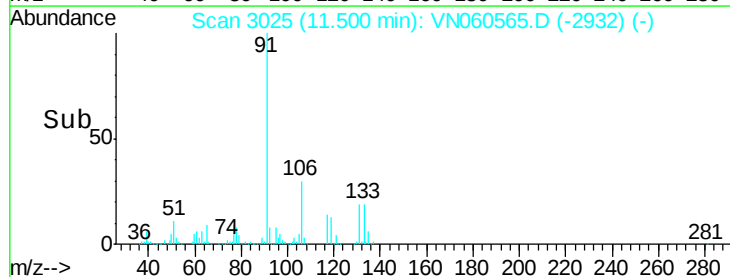
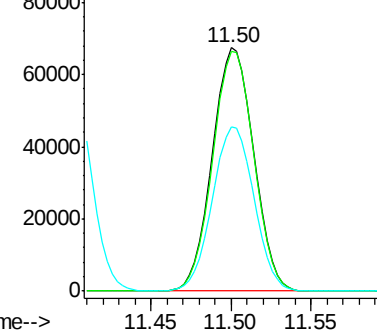
119 67.8 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.853 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 624346

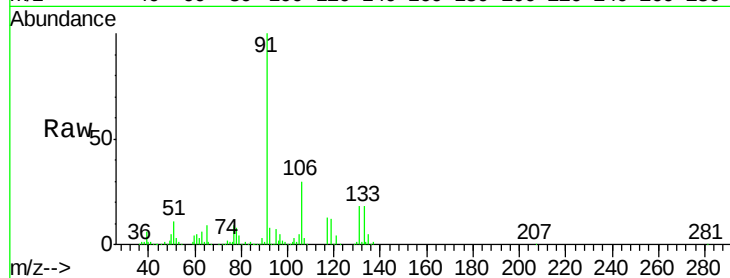
Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.2

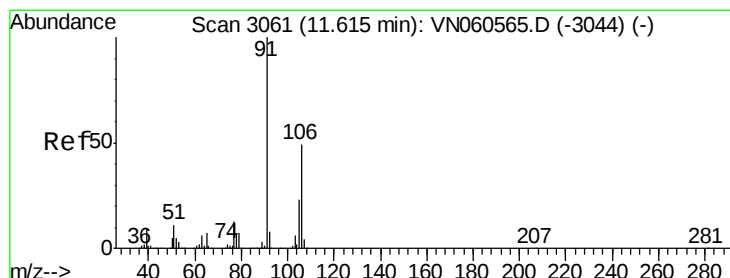
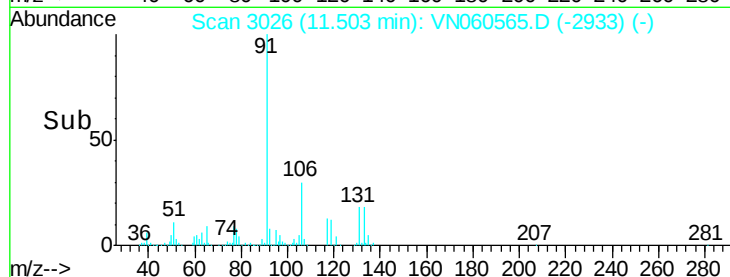
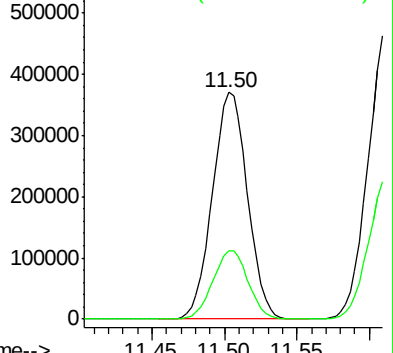
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Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN060565.D (-3011) (-)



#68

m/p-Xylenes

Concen: 99.990 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060565.D

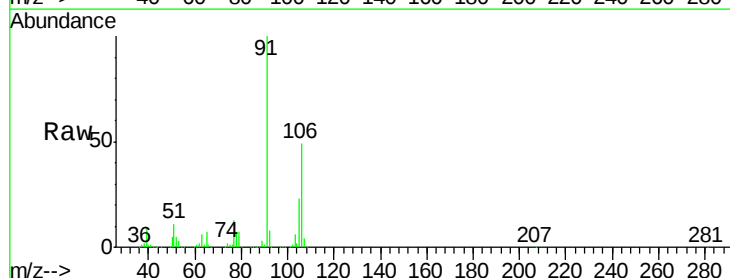
Acq: 17 Mar 2020 19:13

Tgt Ion: 106 Resp: 462936

Ion Ratio Lower Upper

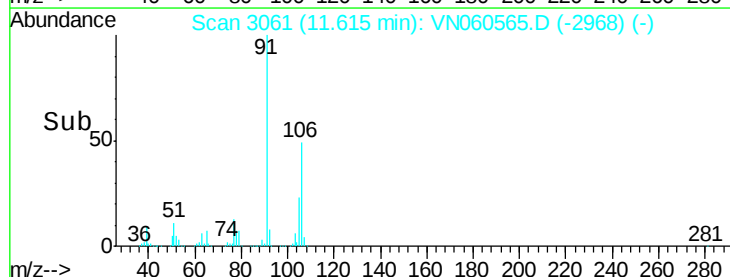
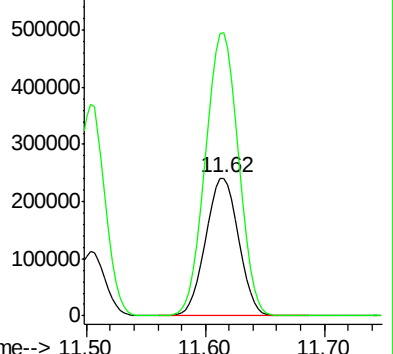
106 100

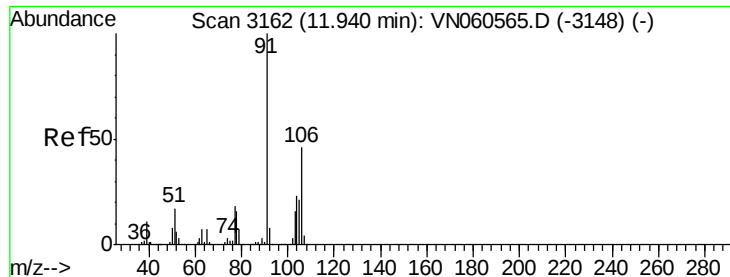
91 206.2 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060565.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-3044) (-)





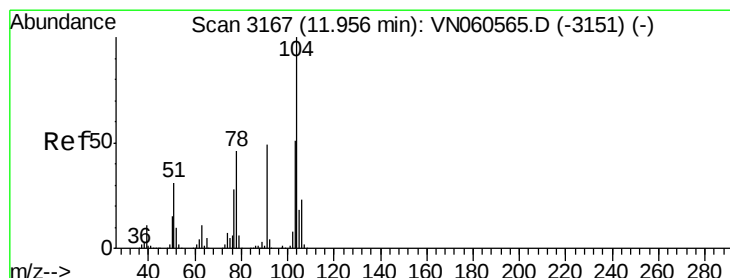
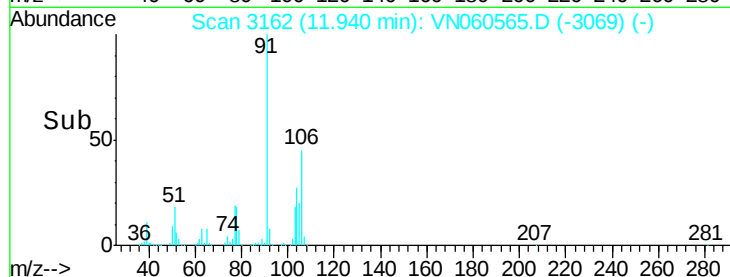
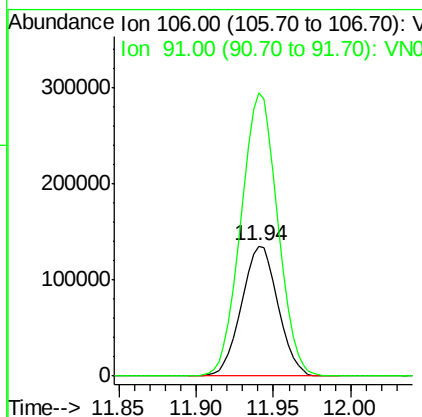
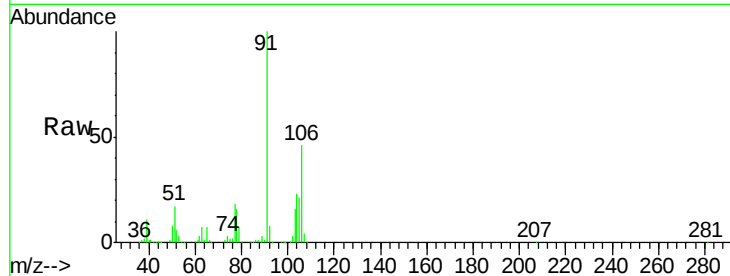
#69  
o-Xylene  
Concen: 50.346 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 106     | 106 | 100   | 222119 |       |       |
| 91      | 91  | 218.9 | 109.5  | 328.4 |       |

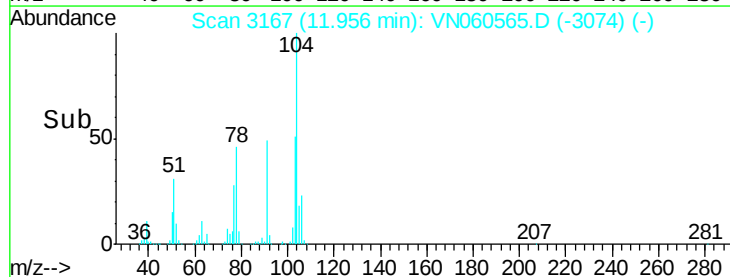
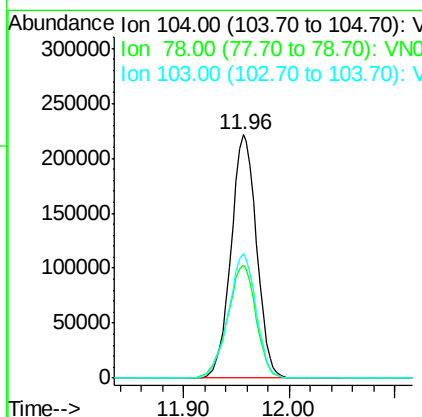
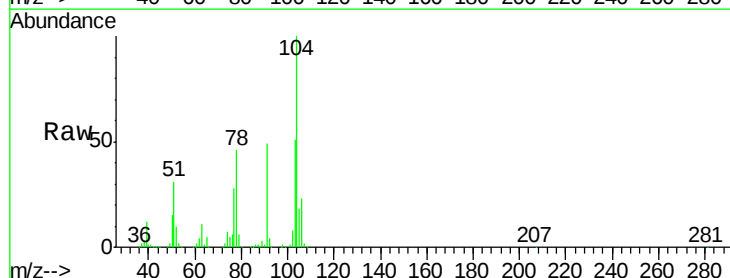
Manual Integrations  
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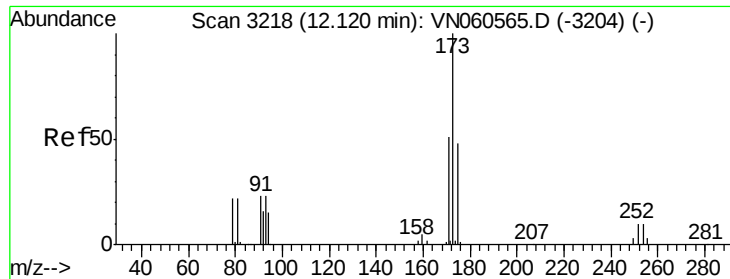
MMDadoda  
3/18/2020 7:00:39 PM



#70  
Styrene  
Concen: 51.151 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 104     | 104 | 100   | 370682 |       |       |
| 78      | 78  | 51.5  | 41.2   | 61.8  |       |
| 103     | 103 | 55.0  | 44.0   | 66.0  |       |





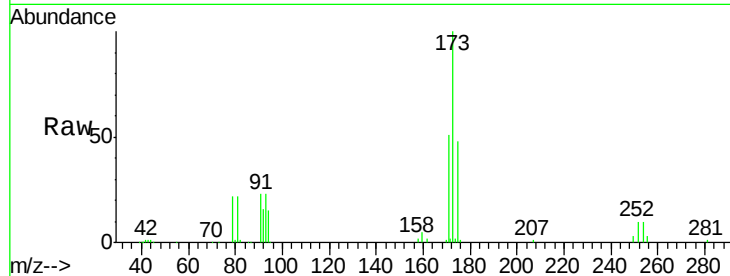
#71  
Bromoform  
Concen: 52.995 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

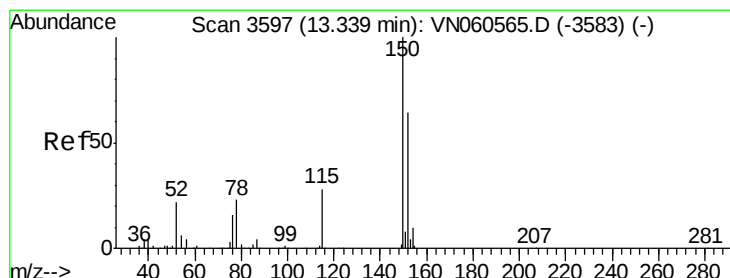
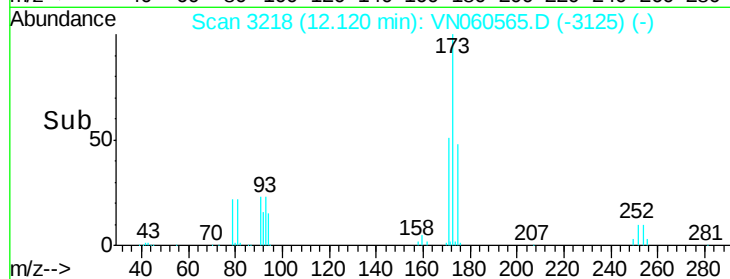
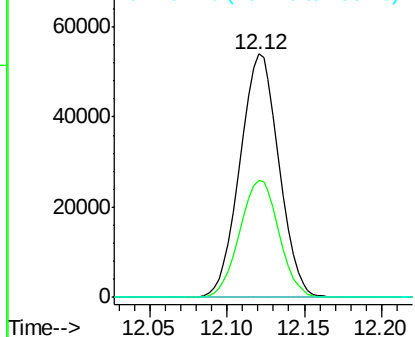
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.3  | 24.1  | 72.4  |
| 254     | 0.0   | 0.0   | 0.0   |

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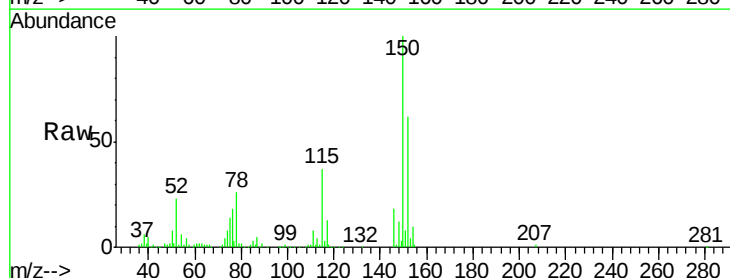


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

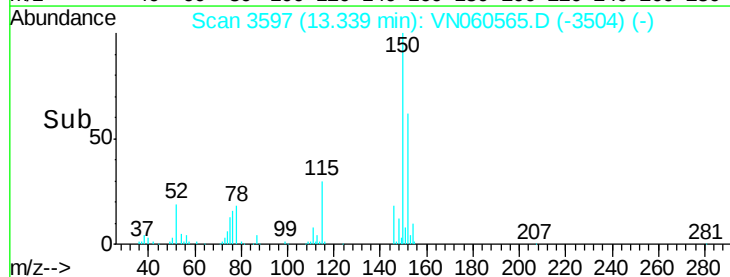
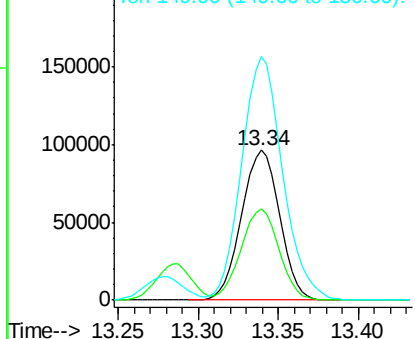


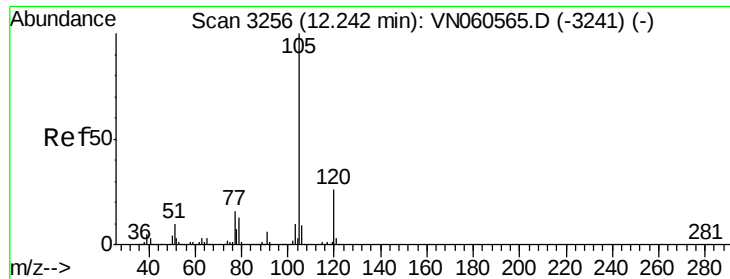
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.4  | 30.2  | 90.6  |
| 150     | 175.1 | 0.0   | 350.2 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.375 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 589937

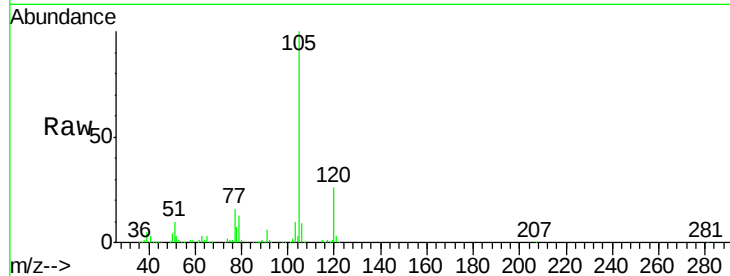
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

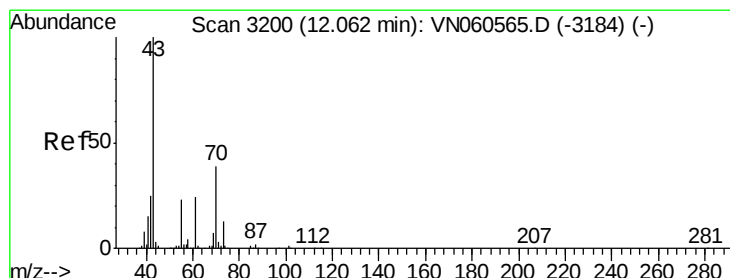
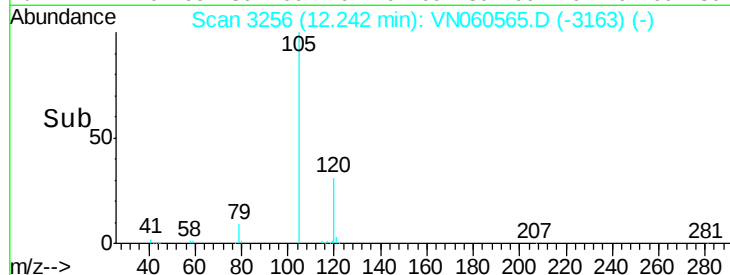
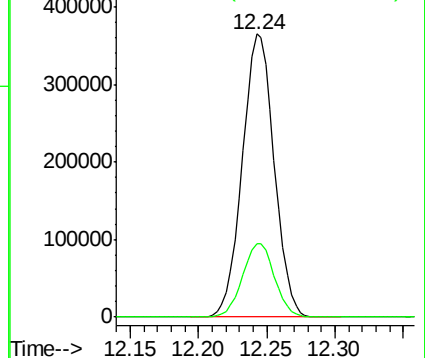
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.194 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Tgt Ion: 43 Resp: 275287

Ion Ratio Lower Upper

43 100

70 38.9 31.1 46.7

55 23.2 18.6 27.8

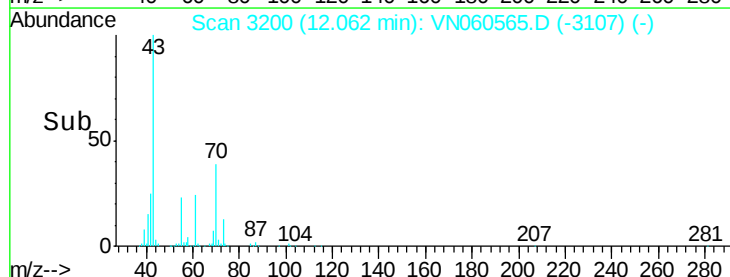
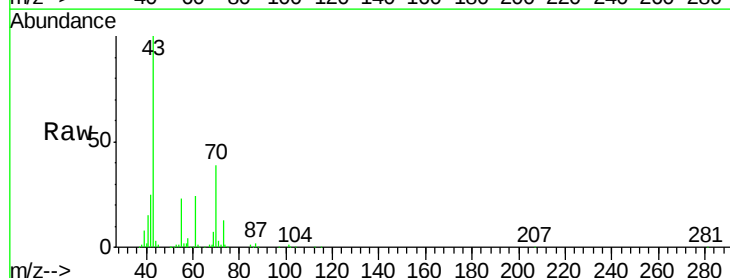
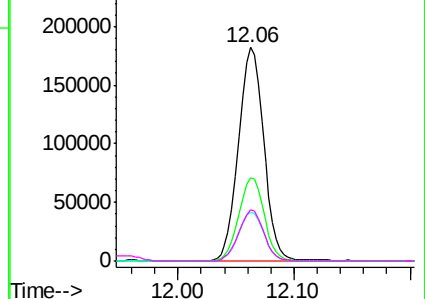
61 23.6 18.9 28.3

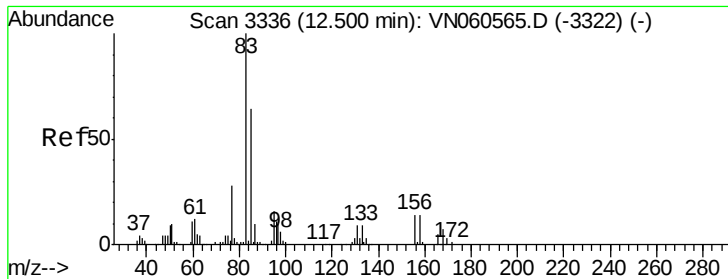
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.802 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampled :

VSTDICCC050

Tot Ion: 83 Resp: 177058  
Ion Ratio Lower Upper

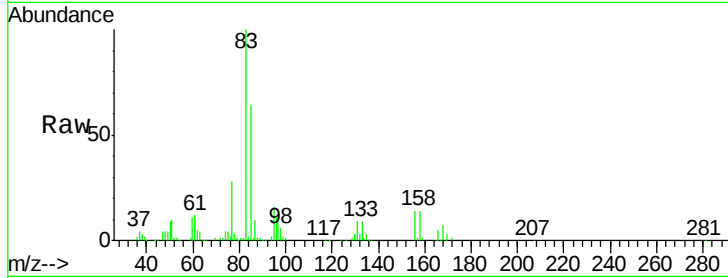
83 100

131 9.8 4.9 14.7

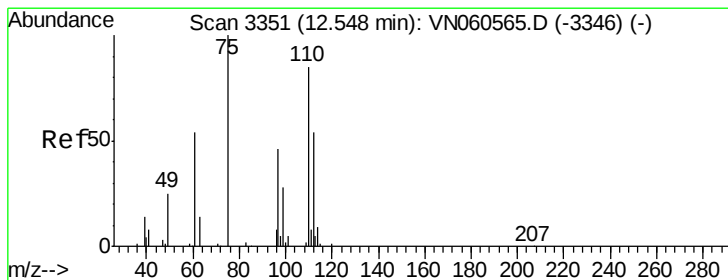
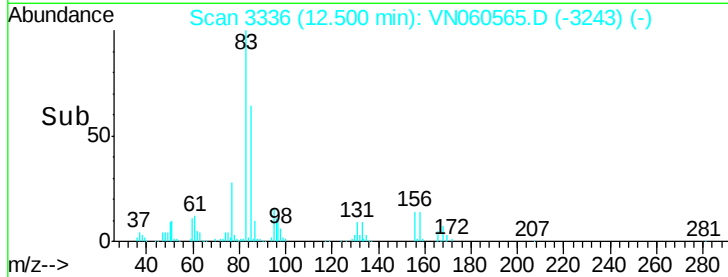
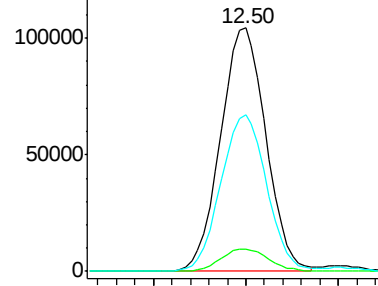
85 64.9 32.5 97.4

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Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 130.80 (130.50 to 131.50): VN0  
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 47.416 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

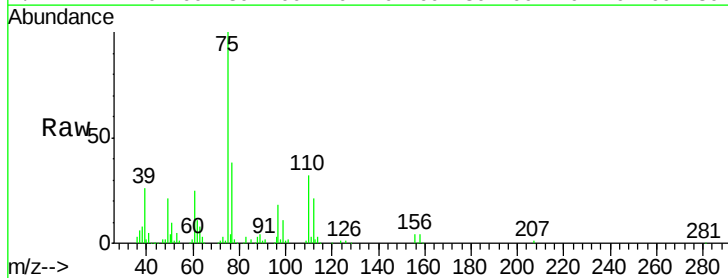
Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

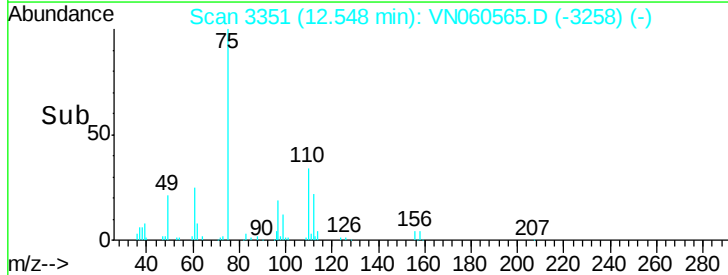
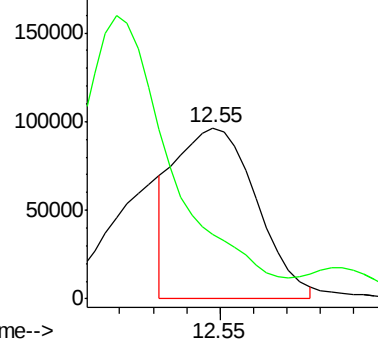
Tgt Ion: 75 Resp: 162293  
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0  
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.937 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

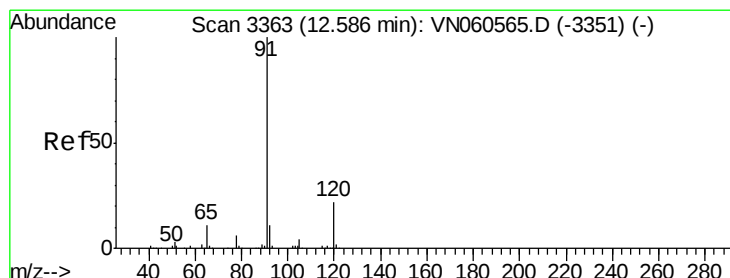
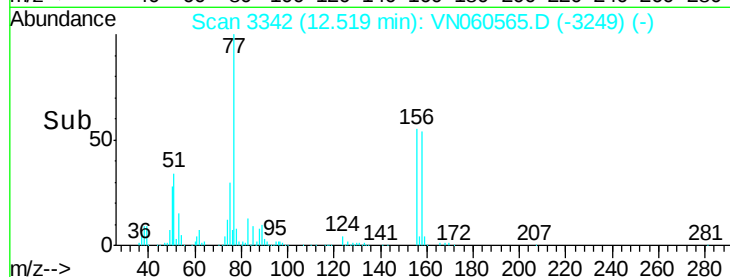
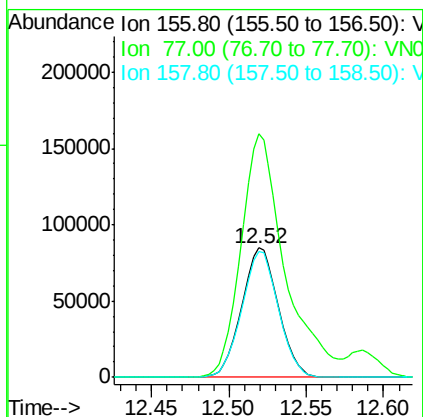
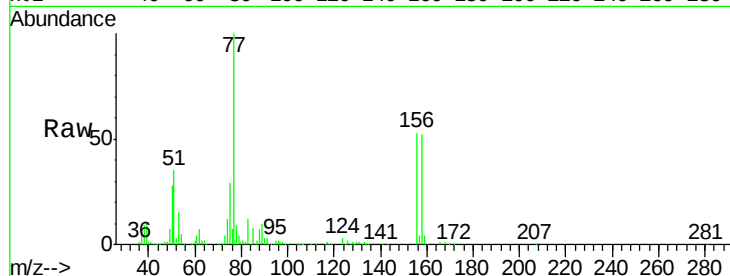
ClientSampleId :

VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 224.7 | 112.3 | 337.0 |
| 158     | 97.2  | 48.6  | 145.8 |

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#78

n-propylbenzene

Concen: 50.742 ug/l

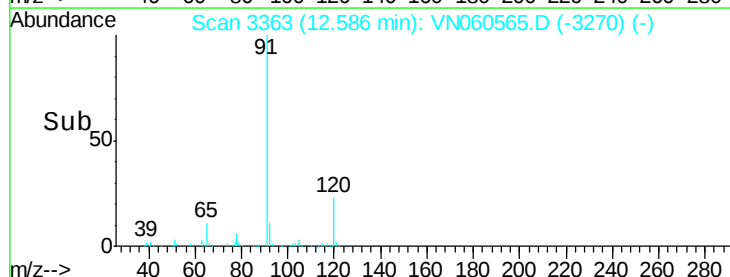
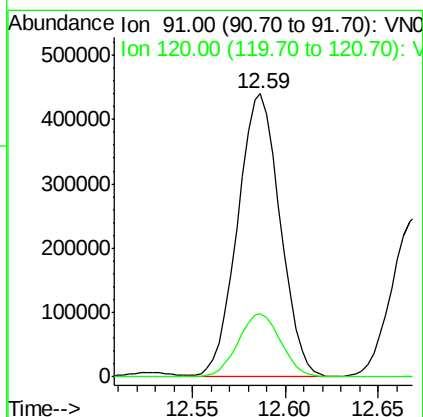
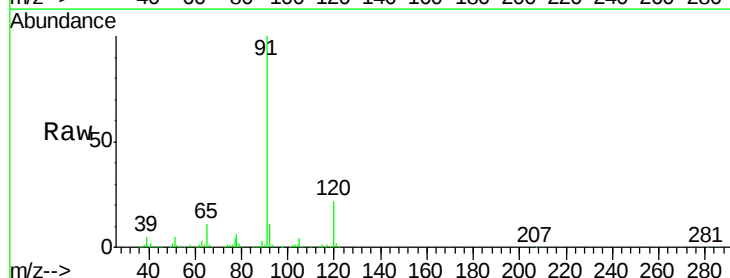
RT: 12.59 min Scan# 3363

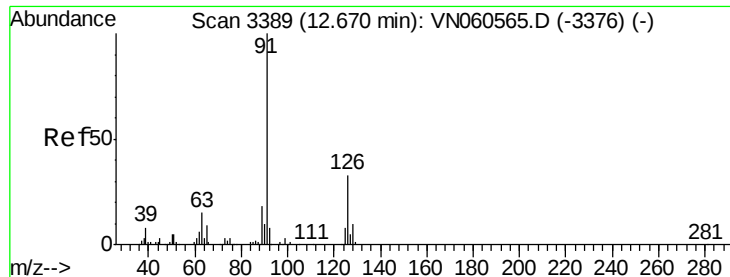
Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.5  | 11.3  | 33.8  |





#79

2-Chlorotoluene

Concen: 50.701 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 410879

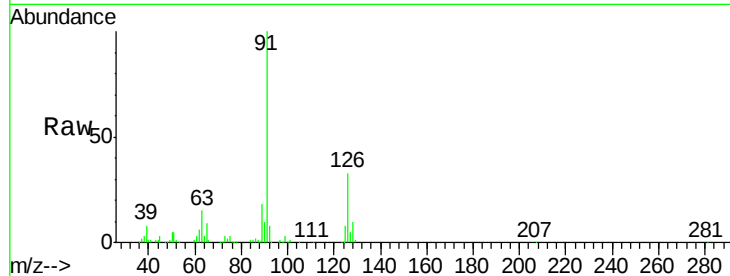
Ion Ratio Lower Upper

91 100

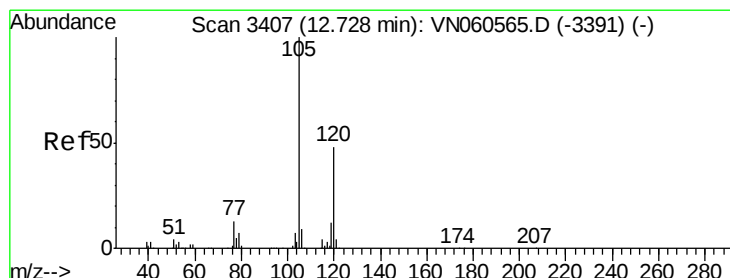
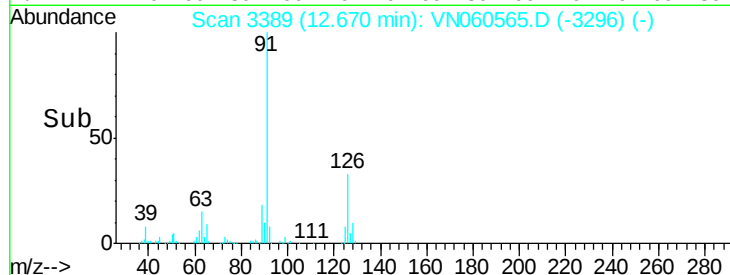
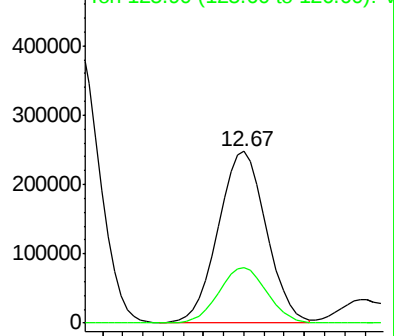
126 32.7 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.701 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060565.D

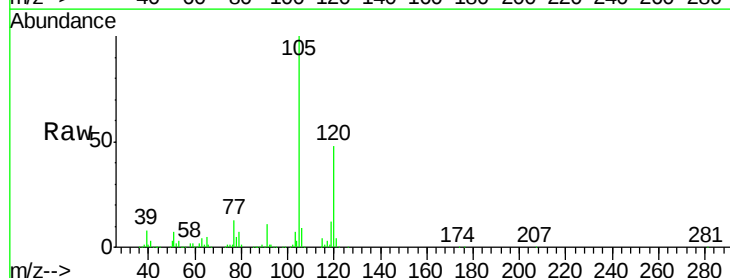
Acq: 17 Mar 2020 19:13

Tgt Ion: 105 Resp: 500074

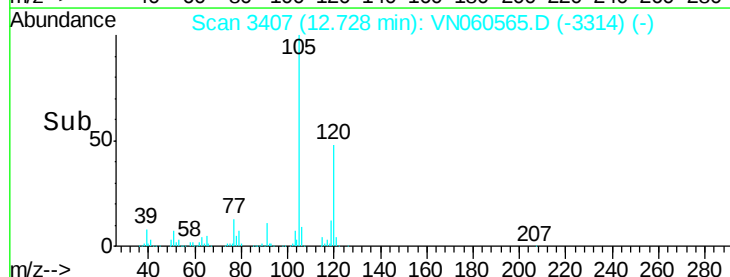
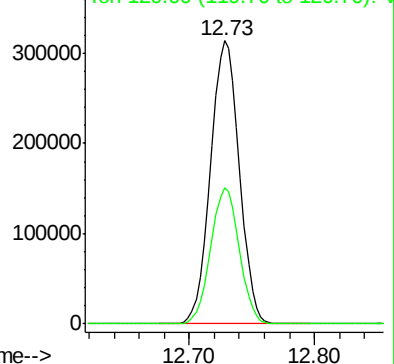
Ion Ratio Lower Upper

105 100

120 47.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.674 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 66319

Ion Ratio Lower Upper

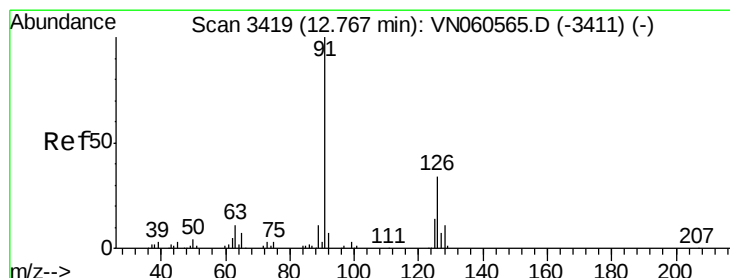
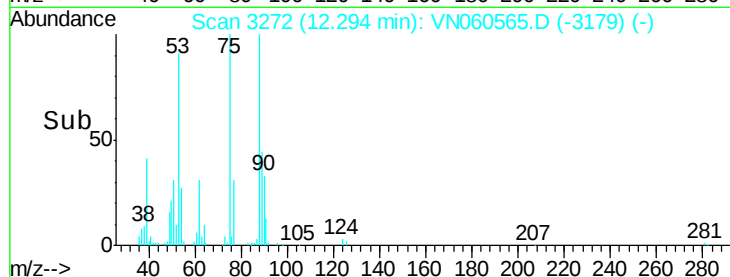
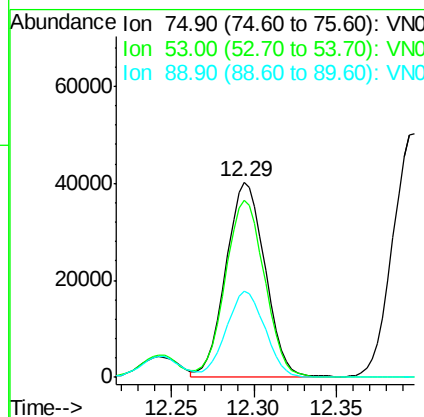
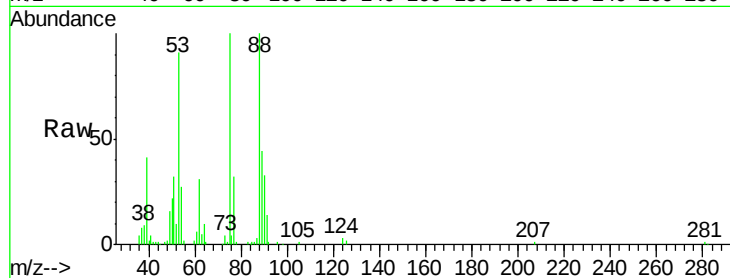
75 100

53 91.2 73.0 109.4

89 43.5 34.8 52.2

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#82

4-Chlorotoluene

Concen: 49.702 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN060565.D

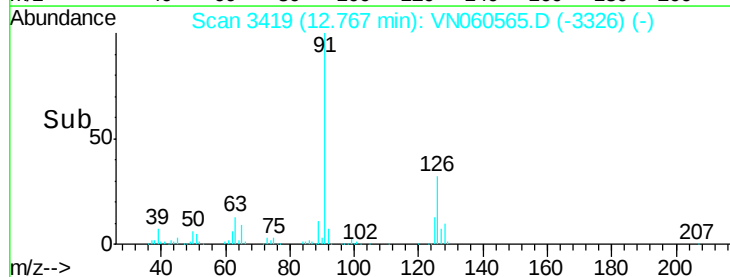
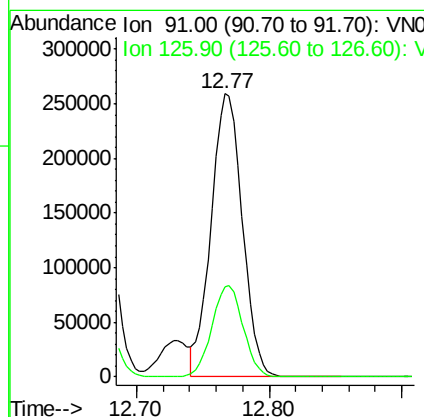
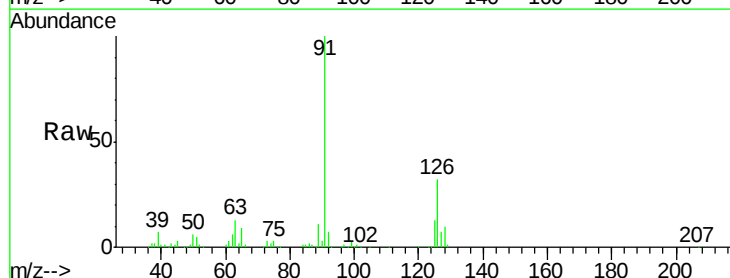
Acq: 17 Mar 2020 19:13

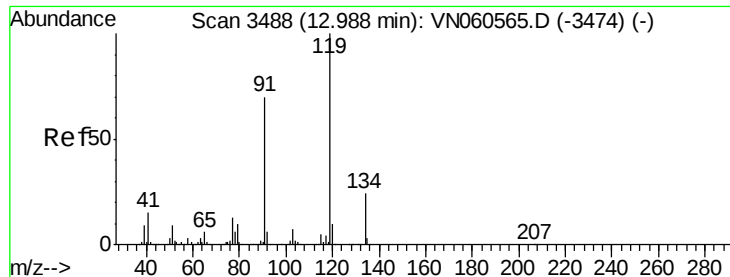
Tgt Ion: 91 Resp: 423651

Ion Ratio Lower Upper

91 100

126 32.3 16.2 48.5





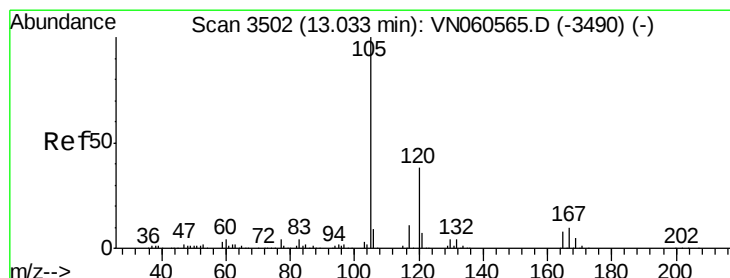
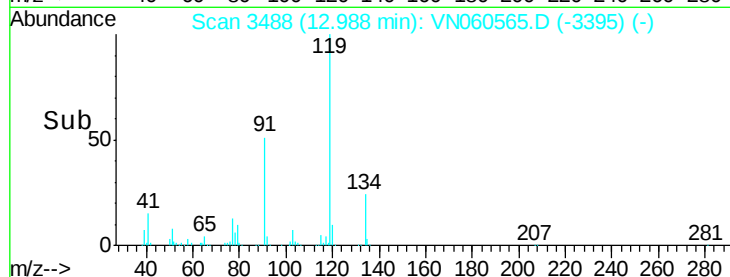
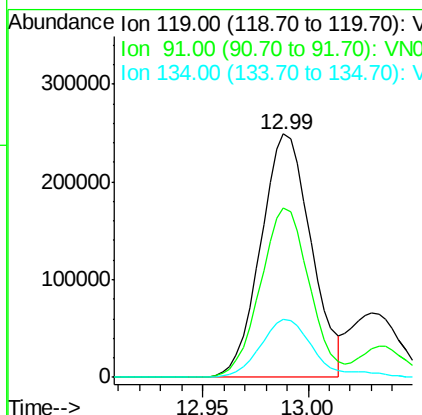
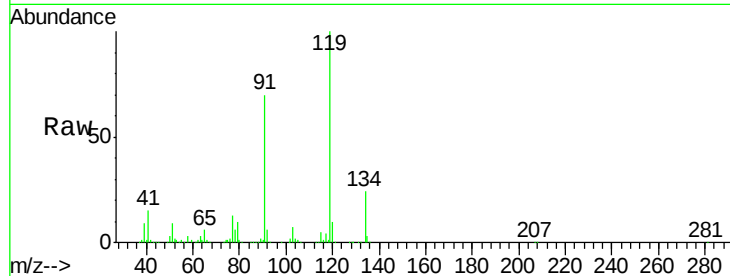
#83  
 tert-Butylbenzene  
 Concen: 48.880 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.9  | 34.0  | 101.8 |
| 134     | 25.3  | 12.7  | 38.0  |

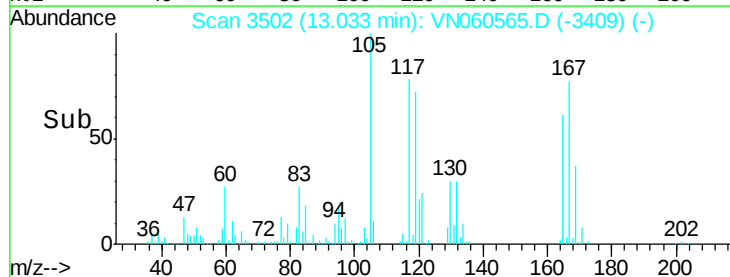
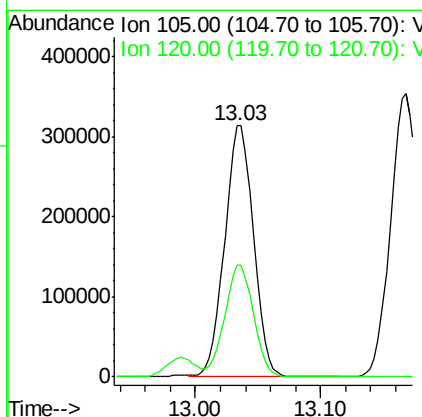
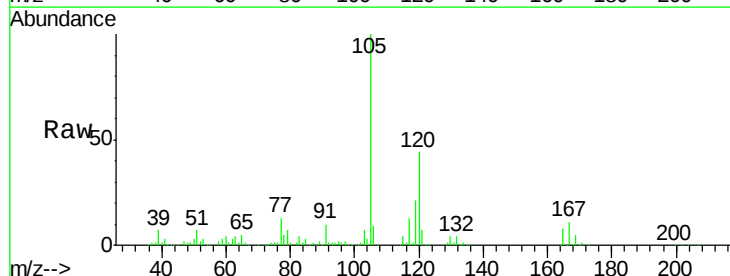
Manual Integrations  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.239 ug/l  
 RT: 13.03 min Scan# 3502  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.3  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 49.485 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 563213

Ion Ratio Lower Upper

105 100

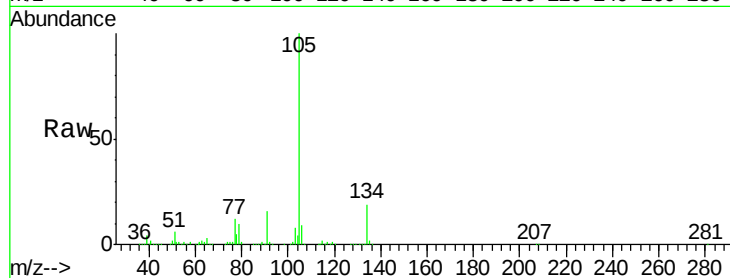
134 19.2 9.6 28.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

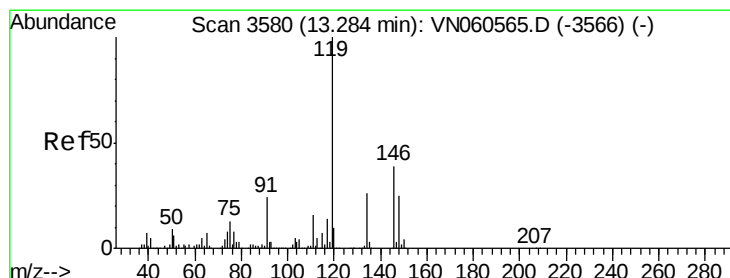
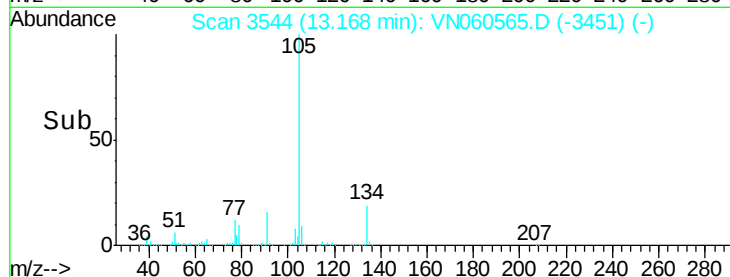
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.978 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060565.D

Acq: 17 Mar 2020 19:13

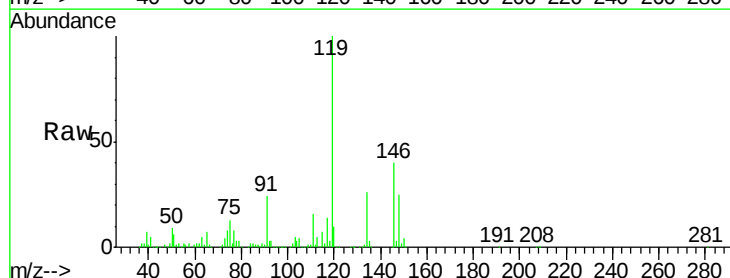
Tgt Ion:119 Resp: 504317

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

400000

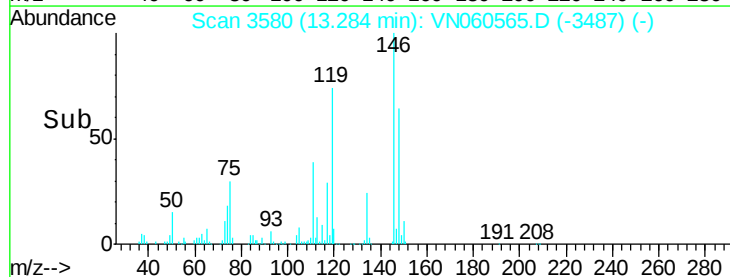
300000

200000

100000

0

Time-->





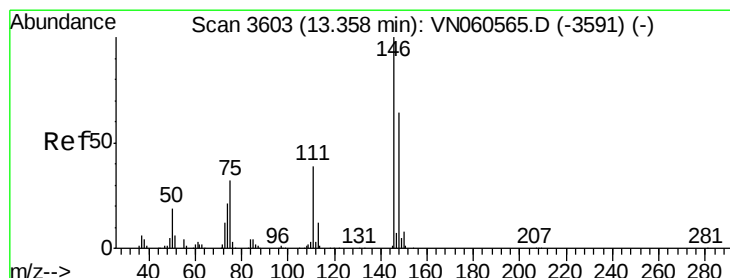
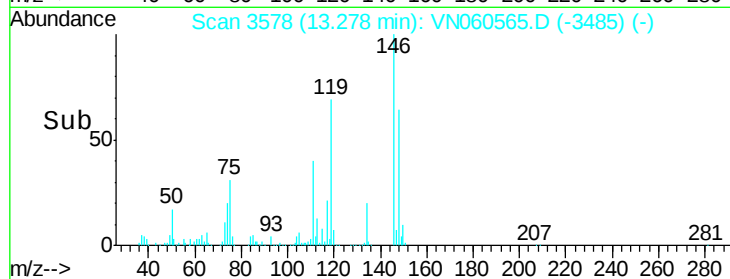
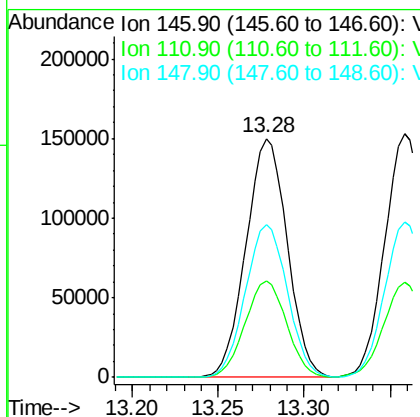
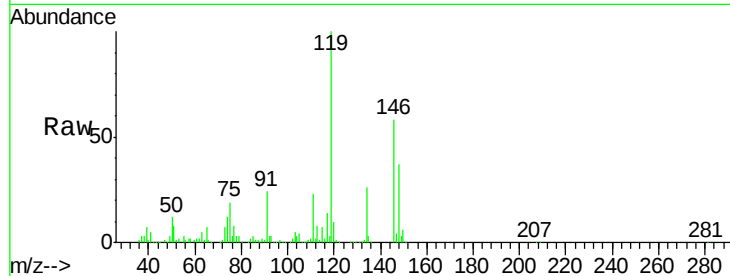
#87  
 1,3-Dichlorobenzene  
 Concen: 46.725 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 20.3  | 60.8  |
| 148     | 64.9  | 32.5  | 97.4  |

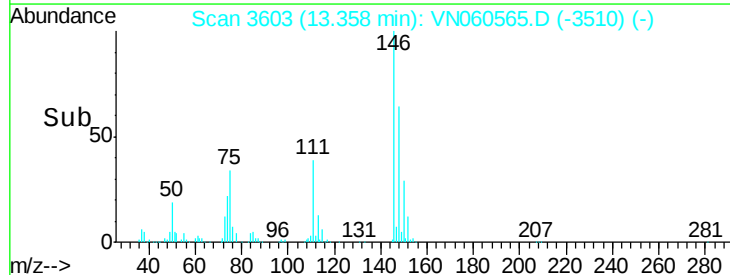
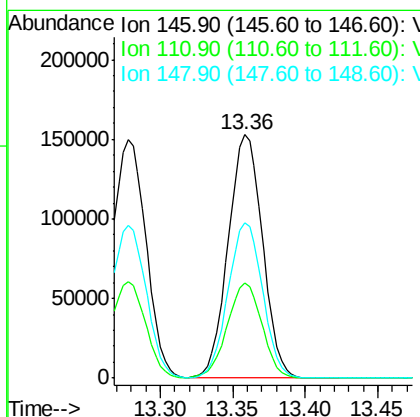
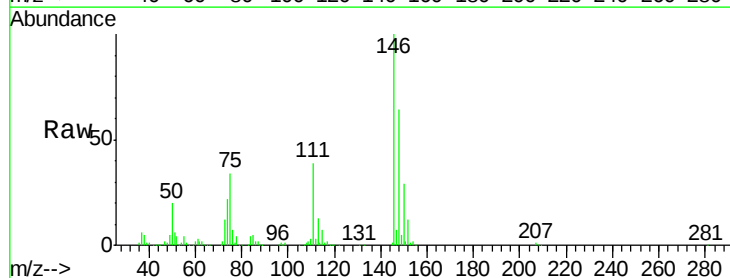
Manual Integrations  
 APPROVED

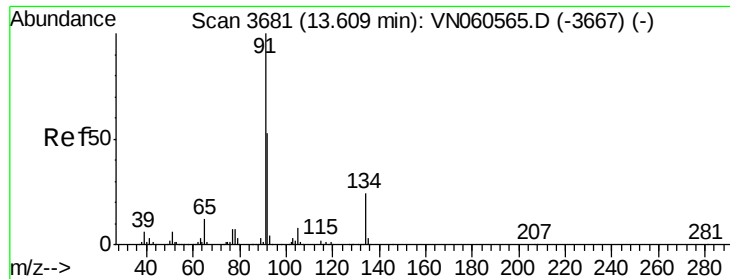
MMDadoda  
 3/18/2020 7:00:39 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 47.003 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.6  | 58.7  |
| 148     | 64.2  | 32.1  | 96.3  |





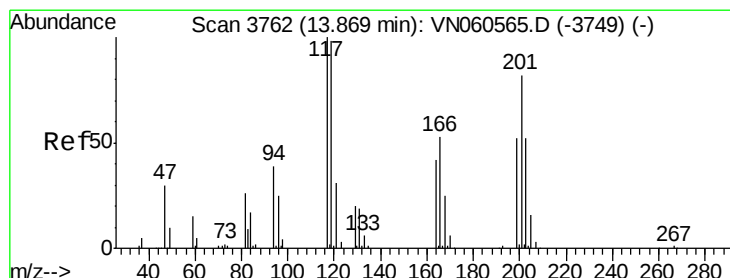
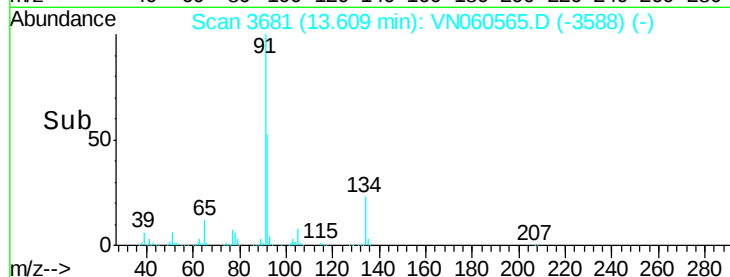
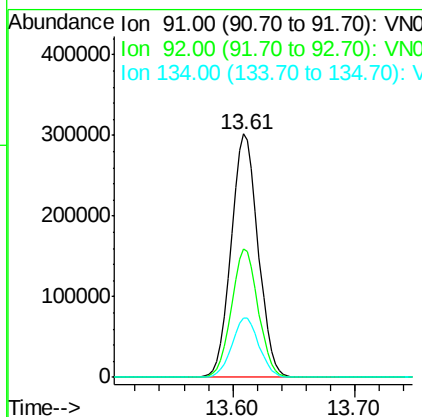
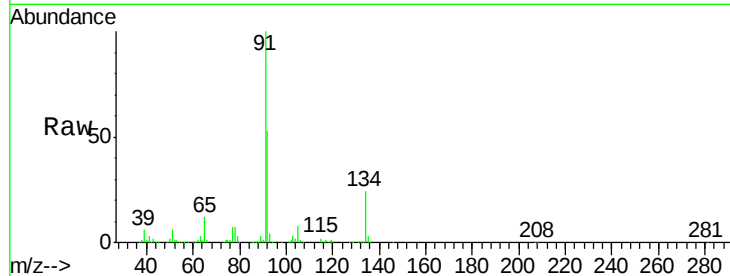
#89  
n-Butylbenzene  
Concen: 48.073 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.3  | 26.2  | 78.5  |
| 134     | 24.6  | 12.3  | 36.9  |

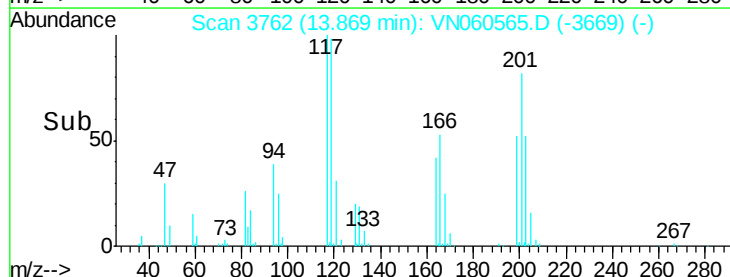
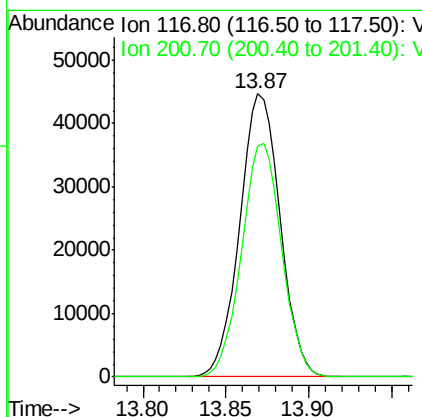
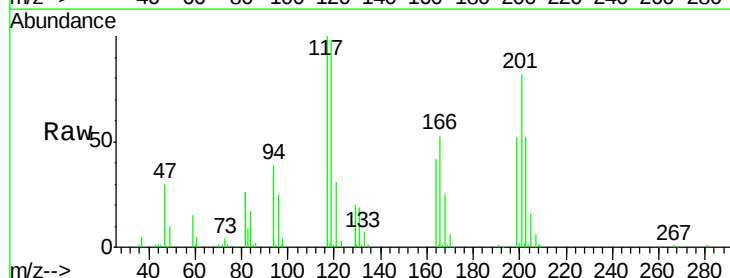
Manual Integrations  
APPROVED

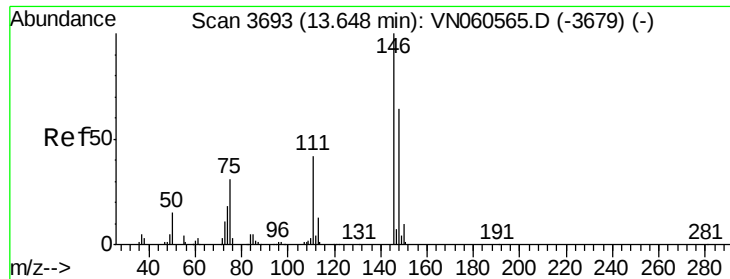
MMDadoda  
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#90  
Hexachloroethane  
Concen: 49.864 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.7  | 40.8  | 122.5 |





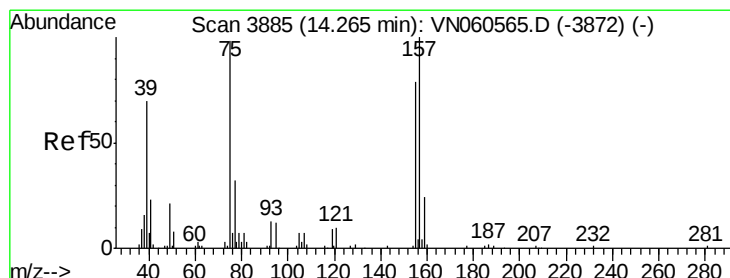
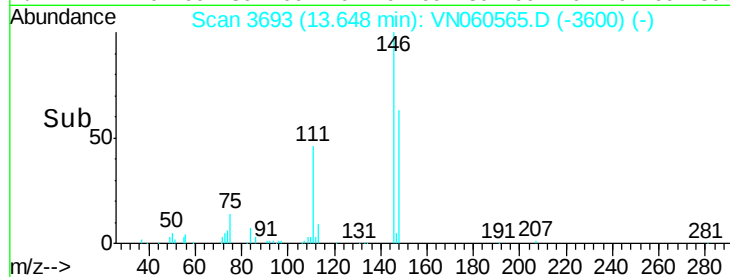
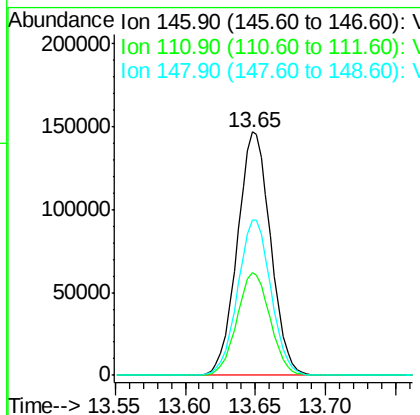
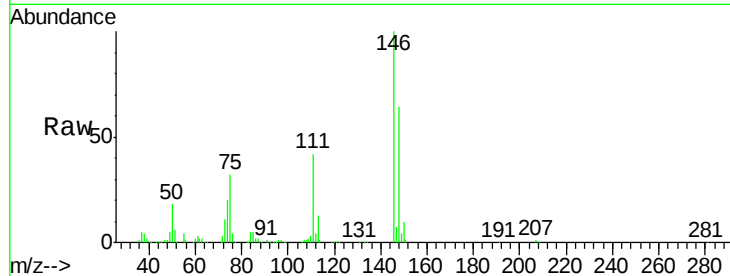
#91  
 1,2-Dichlorobenzene  
 Concen: 48.559 ug/l  
 RT: 13.65 min Scan# 3693  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.0  | 21.0  | 63.0  |
| 148     | 63.7  | 31.9  | 95.5  |

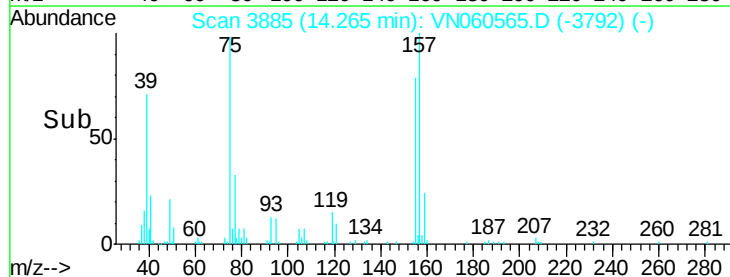
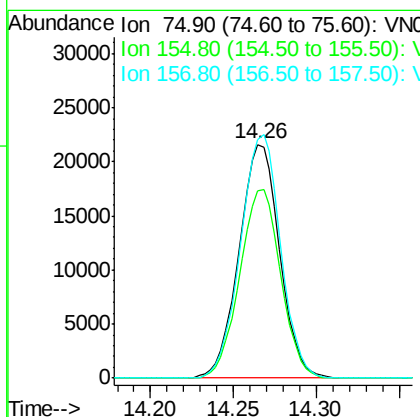
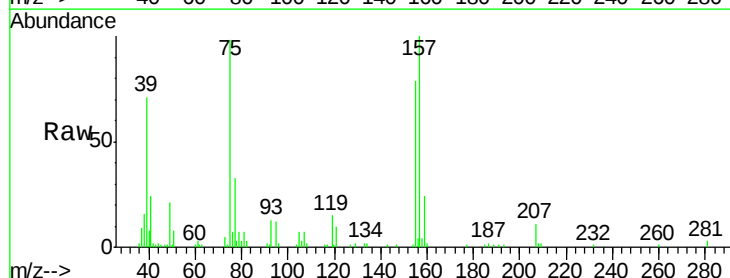
Manual Integrations  
 APPROVED

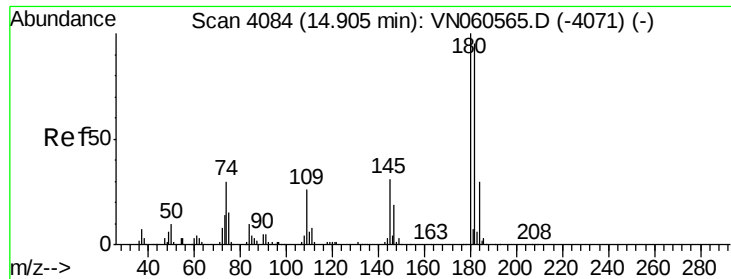
MMDadoda  
 3/18/2020 7:00:39 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.712 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 81.4  | 40.7  | 122.1 |
| 157     | 103.1 | 51.5  | 154.7 |





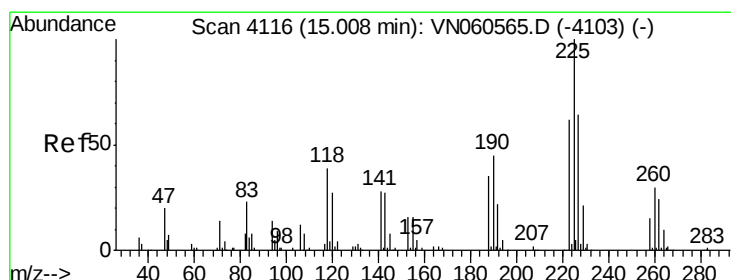
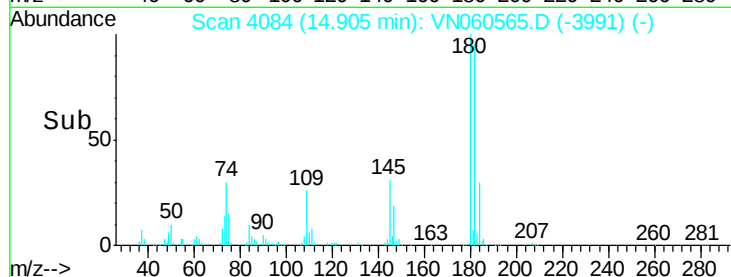
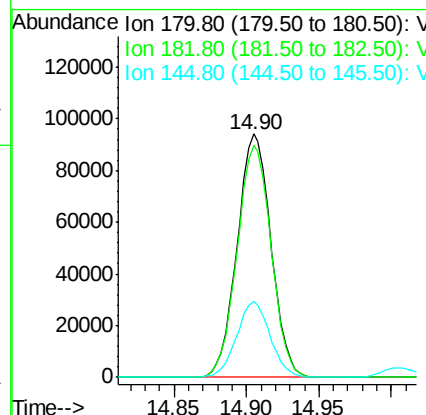
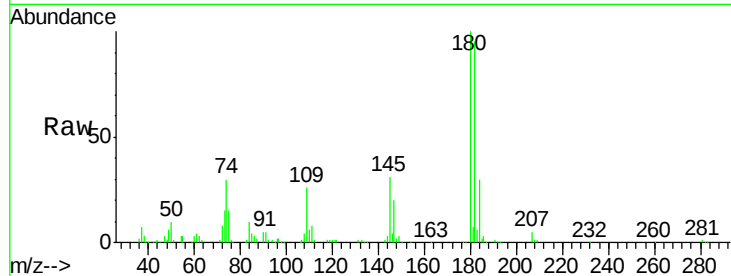
#93  
 1,2,4-Trichlorobenzene  
 Concen: 43.212 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 152227 |       |       |
| 182     | 95.9  | 47.9   | 143.8 |       |
| 145     | 30.8  | 15.4   | 46.2  |       |

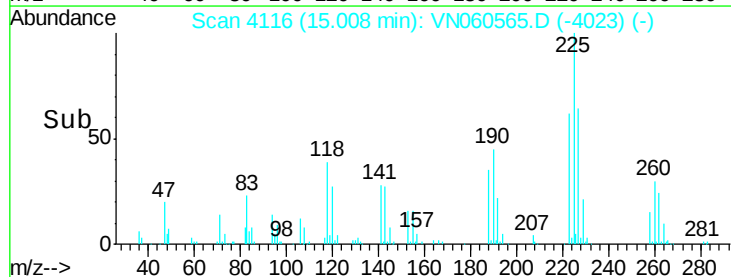
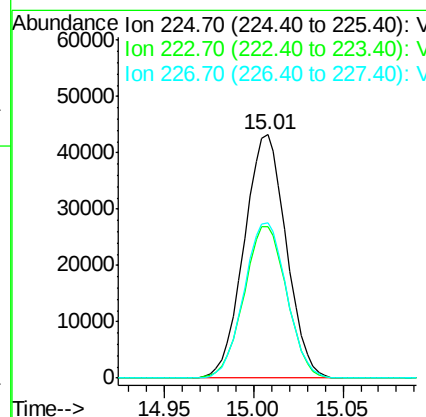
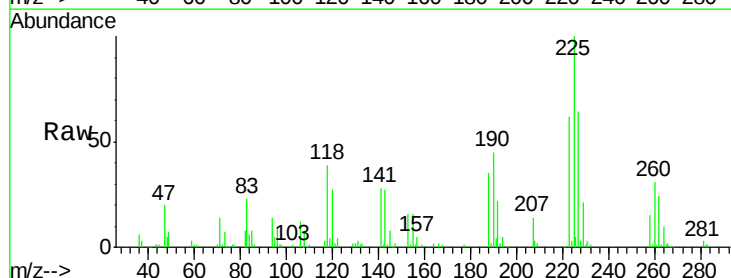
Manual Integrations  
 APPROVED

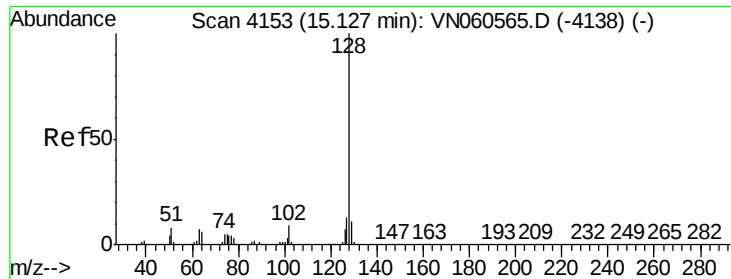
MMDadoda  
 3/18/2020 7:00:39 PM



#94  
 Hexachlorobutadiene  
 Concen: 42.733 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN060565.D  
 Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 71466 |       |       |
| 223     | 63.3  | 31.6  | 95.0  |       |
| 227     | 64.5  | 32.3  | 96.8  |       |





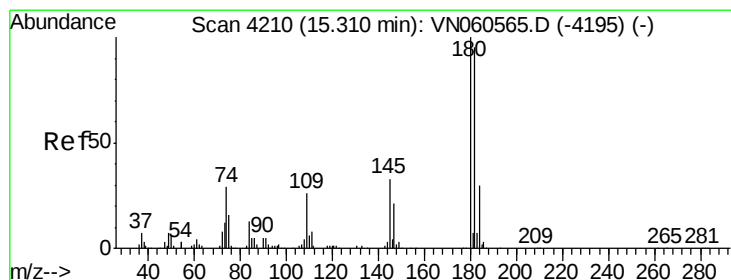
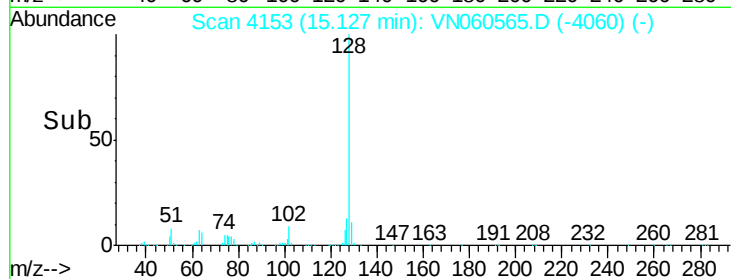
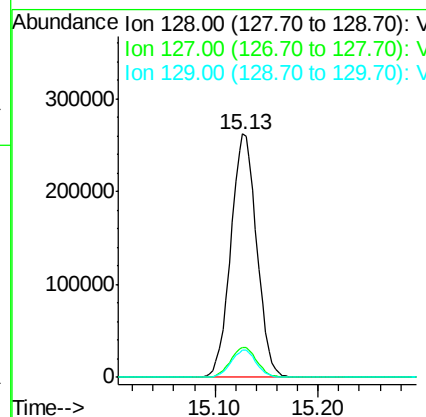
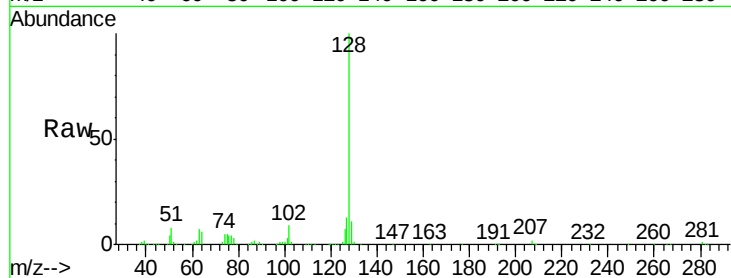
#95  
Naphthalene  
Concen: 45.054 ug/l  
RT: 15.13 min Scan# 4153  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.2  | 15.2  |
| 129     | 11.0  | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 43.923 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. 0.00 min  
Lab File: VN060565.D  
Acq: 17 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 47.5  | 142.6 |
| 145     | 32.5  | 16.3  | 48.8  |

