

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\  
 Data File : VN060543.D  
 Acq On : 17 Mar 2020 9:25  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/18/2020 5:34:56 PM

Quant Time: Mar 18 06:50:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 209353   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 341407   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 312196   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 146794   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65  | 129792   | 48.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.64%  |      |
| 35) Dibromofluoromethane    | 7.56   | 113 | 99172    | 62.58 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 125.16% |      |
| 50) Toluene-d8              | 10.08  | 98  | 384933   | 47.99 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.98%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 146670   | 48.24 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.48%  |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 77563   | 40.409  | ug/l | 99     |
| 3) Chloromethane              | 2.03 | 50  | 145370  | 43.500  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.16 | 62  | 115555  | 40.320  | ug/l | 99     |
| 5) Bromomethane               | 2.53 | 94  | 52992   | 45.731  | ug/l | 98     |
| 6) Chloroethane               | 2.68 | 64  | 73259   | 47.178  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 167583  | 45.766  | ug/l | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 70094   | 50.700  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 103359  | 49.876  | ug/l | 99     |
| 10) Methyl Iodide             | 3.92 | 142 | 80188   | 42.398  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 108828  | 272.861 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 97302   | 48.376  | ug/l | 100    |
| 13) Acrolein                  | 3.57 | 56  | 113012  | 303.728 | ug/l | 99     |
| 14) Allyl chloride            | 4.29 | 41  | 181377  | 48.909  | ug/l | 97     |
| 15) Acrylonitrile             | 4.94 | 53  | 310597  | 295.450 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 327112  | 377.118 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 229767  | 42.949  | ug/l | 99     |
| 18) Methyl Acetate            | 4.28 | 43  | 164989  | 56.997  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 384565  | 52.662  | ug/l | 98     |
| 20) Methylene Chloride        | 4.52 | 84  | 117620  | 49.376  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.00 | 96  | 103922  | 48.075  | ug/l | 94     |
| 22) Diisopropyl ether         | 5.91 | 45  | 421037  | 56.050  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.85 | 43  | 1672271 | 280.156 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 223933  | 52.664  | ug/l | 100    |
| 25) 2-Butanone                | 6.79 | 43  | 462309  | 329.971 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 198618  | 51.309  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 130500  | 47.244  | ug/l | 98     |
| 28) Bromochloromethane        | 7.17 | 49  | 83850   | 48.029  | ug/l | 95     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 275966  | 283.256 | ug/l | 97     |
| 30) Chloroform                | 7.34 | 83  | 218892  | 51.712  | ug/l | 99     |
| 31) Cyclohexane               | 7.63 | 56  | 182378  | 50.269  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 185585  | 49.484  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 154797  | 47.575  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.89 | 43  | 174358  | 56.593  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 147437  | 46.540  | ug/l | 99     |

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

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/18/2020 5:34:56 PM

Quant Time: Mar 18 06:50:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 176475   | 46.001   | ug/l   | 97       |
| 40) Benzene                    | 8.02  | 78   | 478214   | 50.496   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.14  | 41   | 71455m   | 50.229   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 171541   | 50.196   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 303336   | 56.239   | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 125223   | 47.477   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 135461   | 54.709   | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 80295    | 49.978   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.38  | 83   | 173730   | 53.167   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.18  | 41   | 133669   | 54.346   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 38344    | 1108.578 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 886881   | 290.009  | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 293881   | 49.401   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 202346   | 50.537   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 215923   | 52.044   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 121546   | 50.807   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 191099   | 55.602   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 208753   | 53.507   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 489214   | 272.159  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.74 | 43   | 675129   | 300.679  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 129875   | 53.383   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 120677   | 51.746   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 121187   | 49.281   | ug/l   | 99       |
| 65) Chlorobenzene              | 11.42 | 112  | 311291   | 49.380   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 119569   | 51.298   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.50 | 91   | 583223   | 50.803   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.61 | 106  | 425421   | 98.219   | ug/l   | 99       |
| 69) o-Xylene                   | 11.94 | 106  | 207999   | 50.359   | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 346612   | 51.041   | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 92969    | 55.342   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.24 | 105  | 562093   | 51.662   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.06 | 43   | 263655   | 55.455   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 172462   | 58.313   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 156934m  | 48.727   | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 133384   | 50.012   | ug/l   | 94       |
| 78) n-propylbenzene            | 12.59 | 91   | 659260   | 51.692   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 388826   | 51.865   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 473017   | 51.636   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 66511    | 57.007   | ug/l # | 84       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 402267   | 50.930   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 400349   | 50.477   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 468868   | 50.709   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 539086   | 50.757   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 484576   | 49.294   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 239882   | 52.353   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 238940   | 52.453   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 444738   | 49.284   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 71729    | 50.411   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 230844   | 49.397   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 34401    | 51.364   | ug/l   | 98       |

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

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

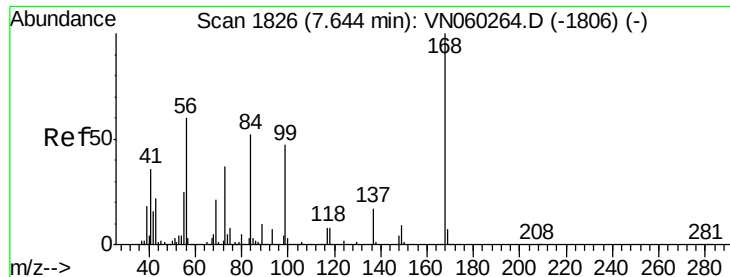
MMDadoda  
3/18/2020 5:34:56 PM

Quant Time: Mar 18 06:50:41 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 27 13:52:50 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 143777   | 48.421 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 72602    | 53.224 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 421864   | 48.223 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 139120   | 49.746 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 209353

Ion Ratio Lower Upper

168 100

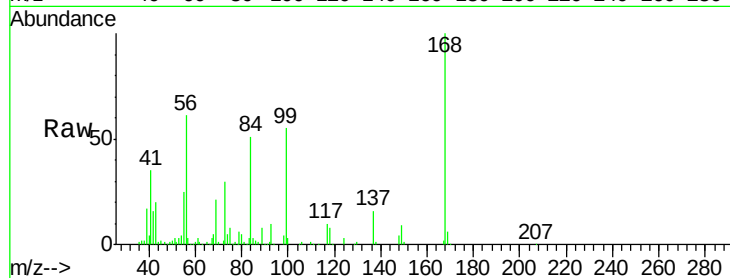
99 55.5 44.7 67.1

Manual Integrations

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3/18/2020 5:34:56 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

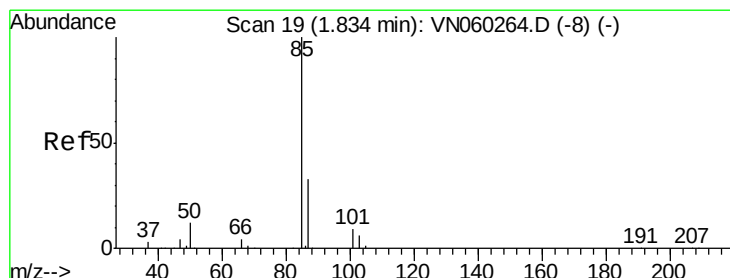
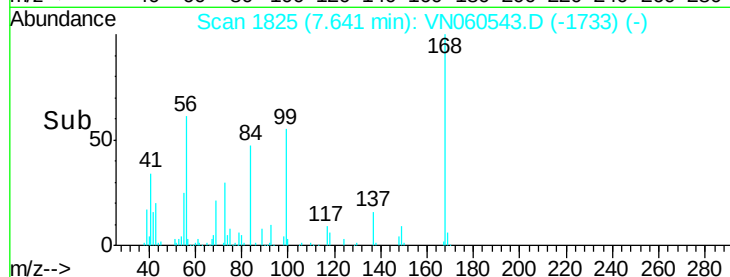
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.409 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060543.D

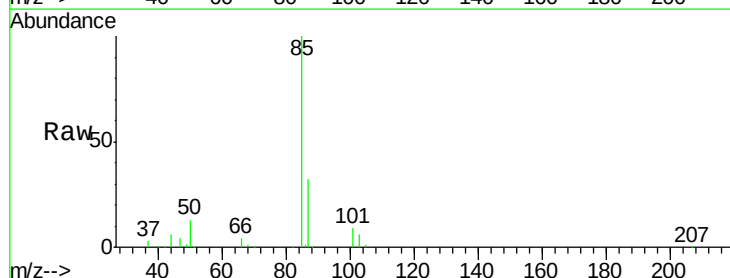
Acq: 17 Mar 2020 9:25

Tgt Ion: 85 Resp: 77563

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

40000

20000

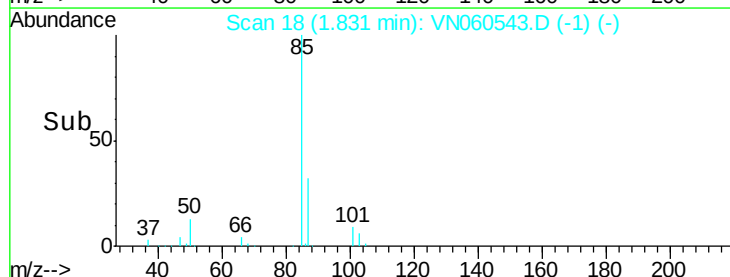
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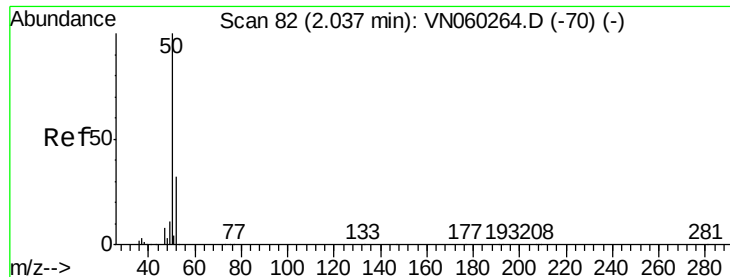
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 43.500 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 145370

Ion Ratio Lower Upper

50 100

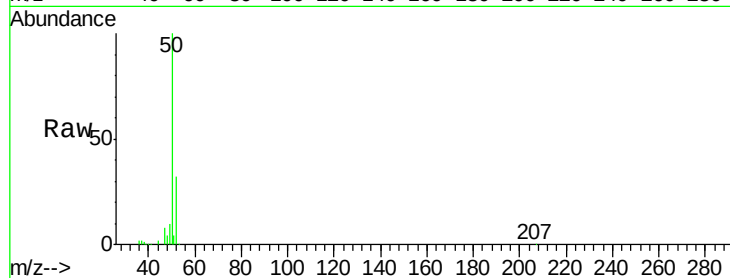
52 32.3 25.6 38.4

Manual Integrations

APPROVED

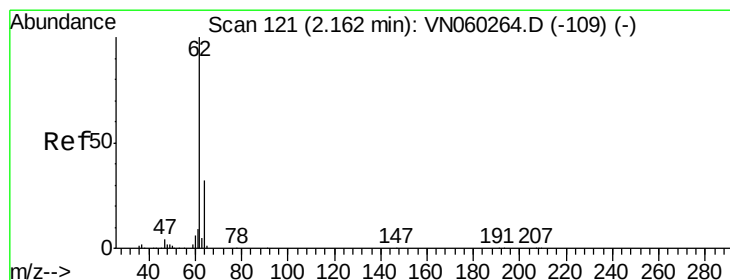
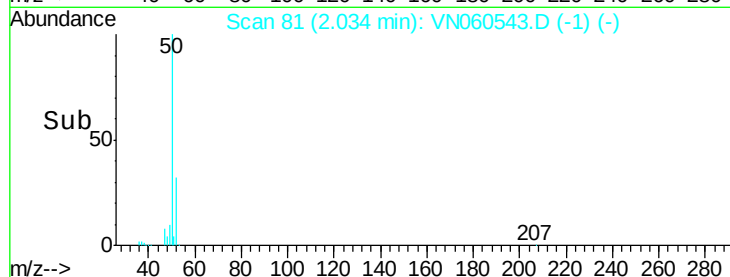
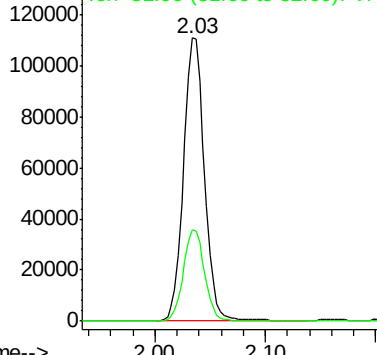
MMDadoda

3/18/2020 5:34:56 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 40.320 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060543.D

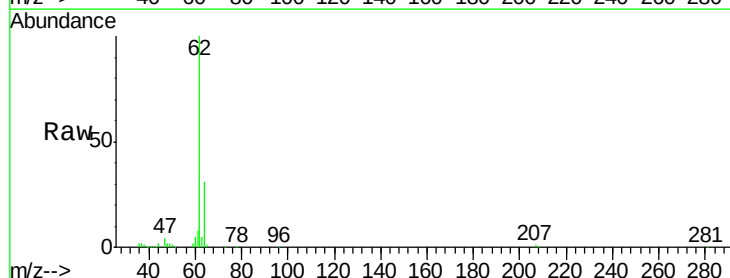
Acq: 17 Mar 2020 9:25

Tgt Ion: 62 Resp: 115555

Ion Ratio Lower Upper

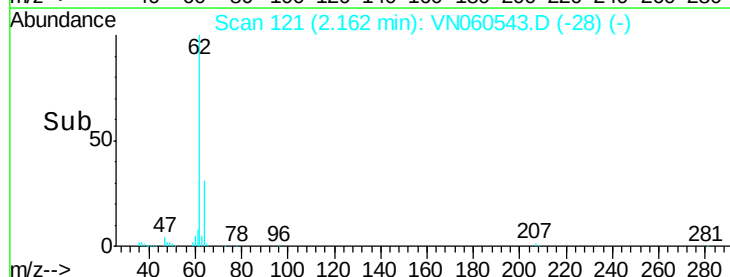
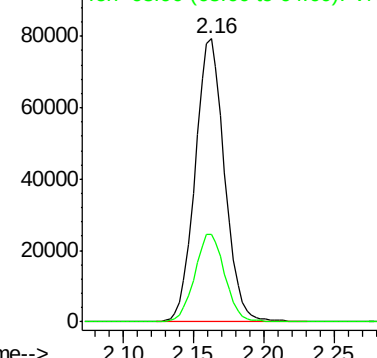
62 100

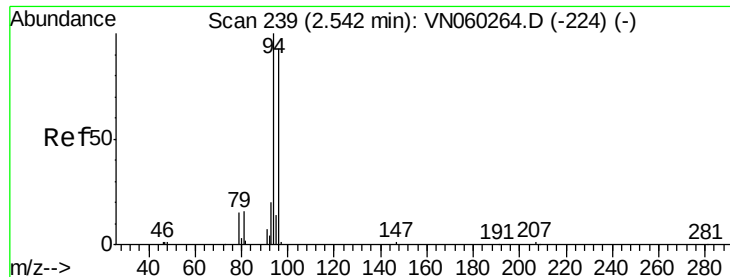
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 45.731 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 52992

Ion Ratio Lower Upper

94 100

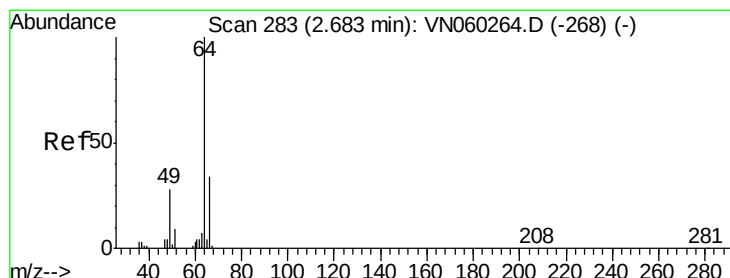
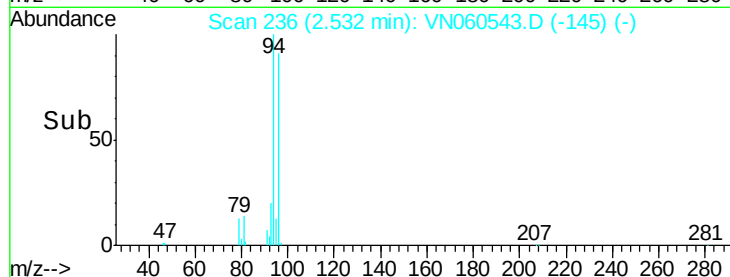
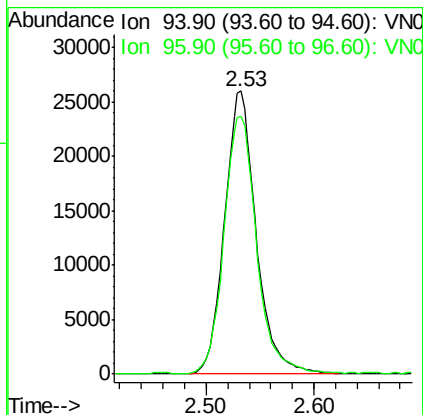
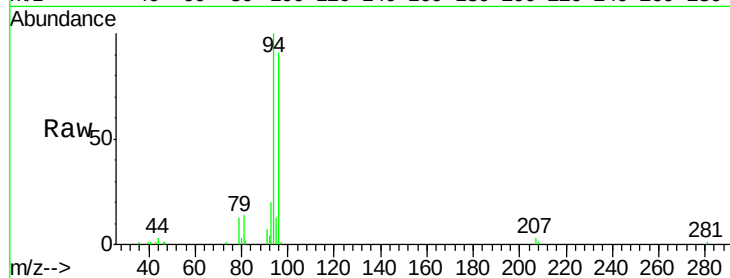
96 91.1 74.3 111.5

Manual Integrations

APPROVED

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3/18/2020 5:34:56 PM



#6

Chloroethane

Concen: 47.178 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060543.D

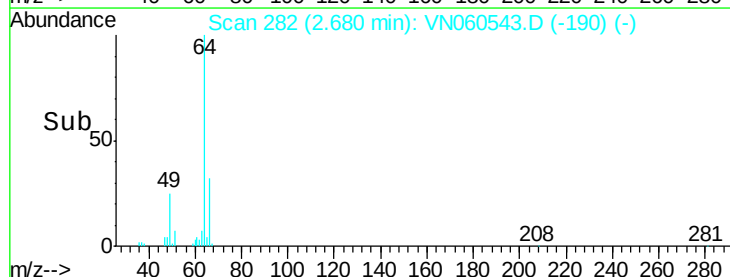
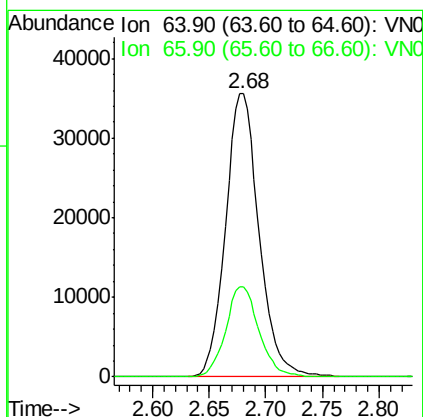
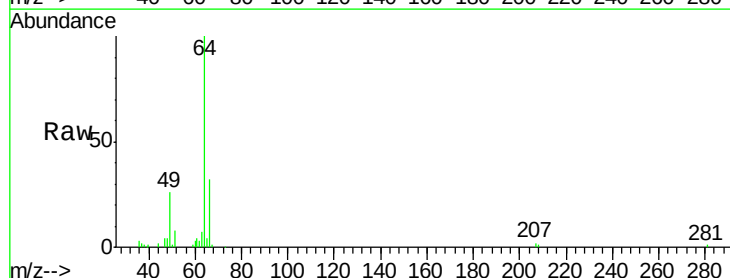
Acq: 17 Mar 2020 9:25

Tgt Ion: 64 Resp: 73259

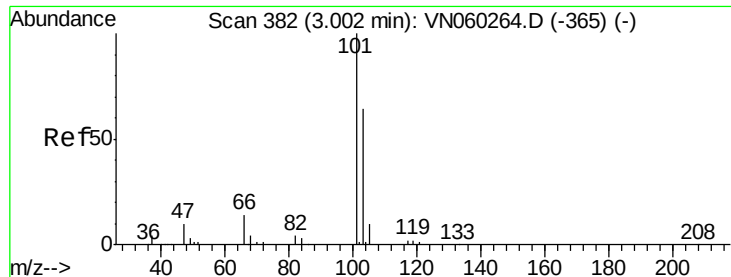
Ion Ratio Lower Upper

64 100

66 31.9 27.4 41.2







#7

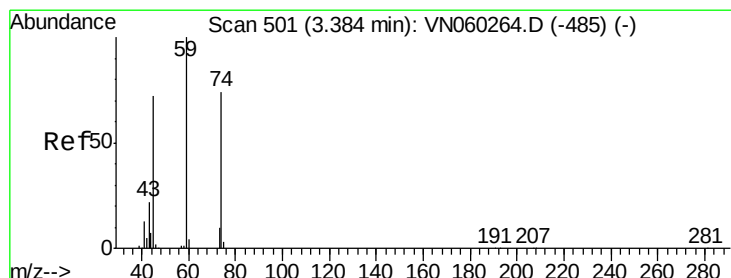
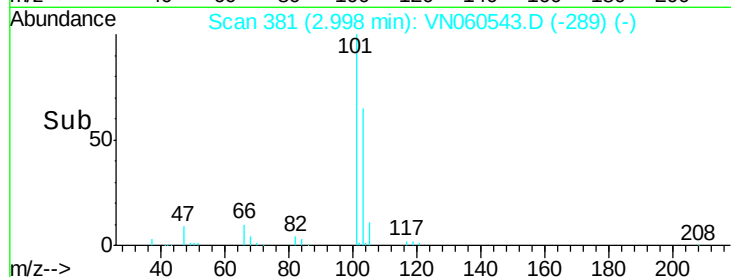
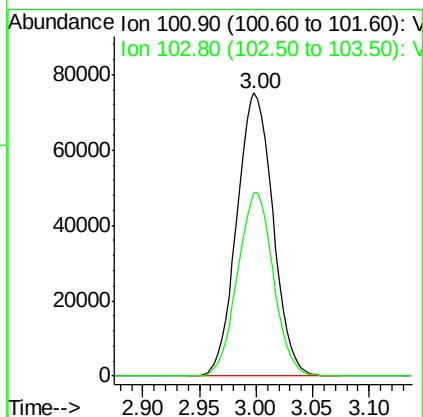
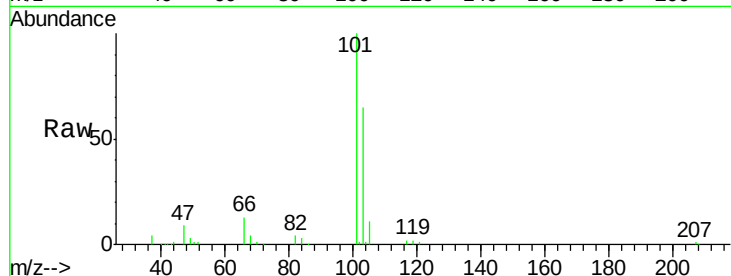
Trichlorofluoromethane  
Concen: 45.766 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.9  | 51.3  | 76.9  |

Manual Integrations  
APPROVED

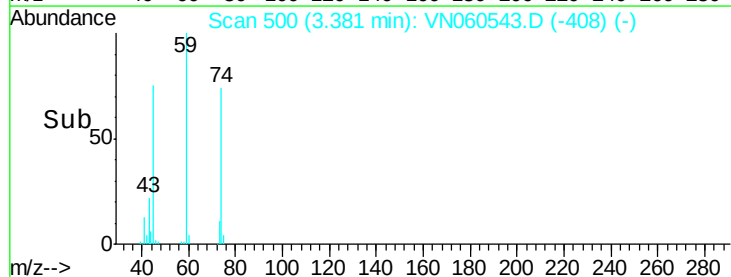
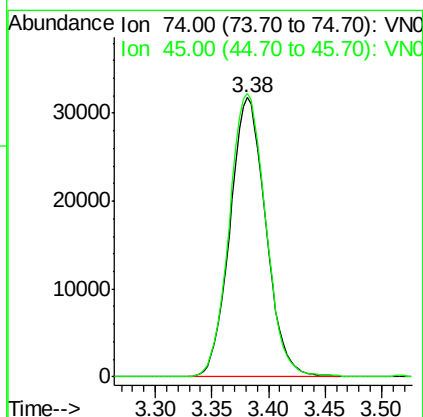
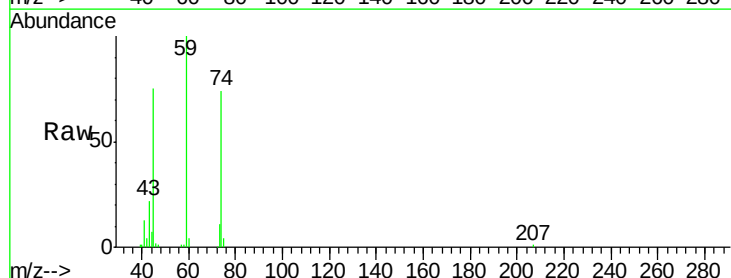
MMDadoda  
3/18/2020 5:34:56 PM



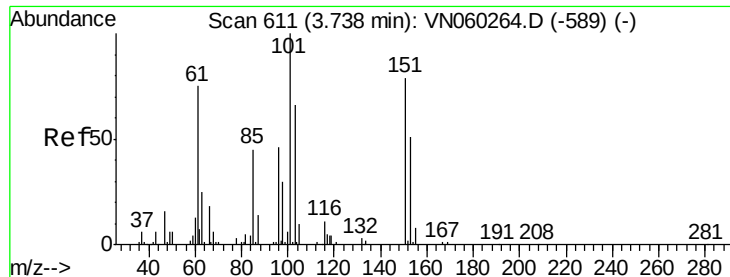
#8

Diethyl Ether  
Concen: 50.700 ug/l  
RT: 3.38 min Scan# 500  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 103.2 | 49.5  | 148.7 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.876 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

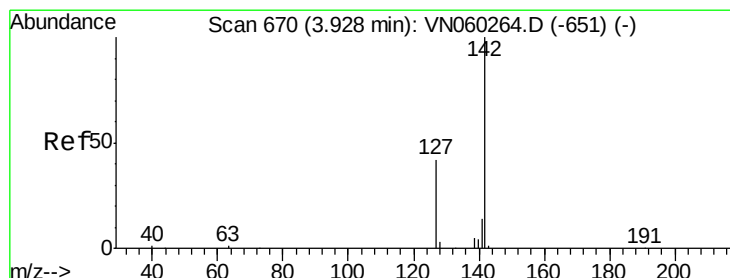
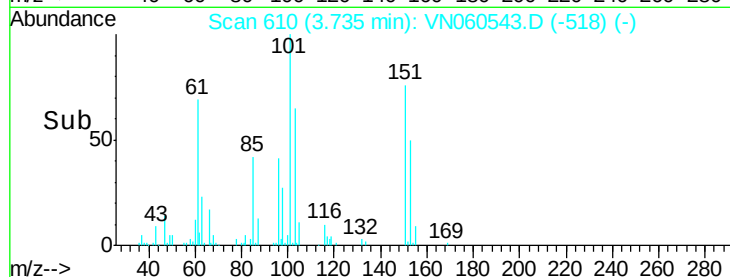
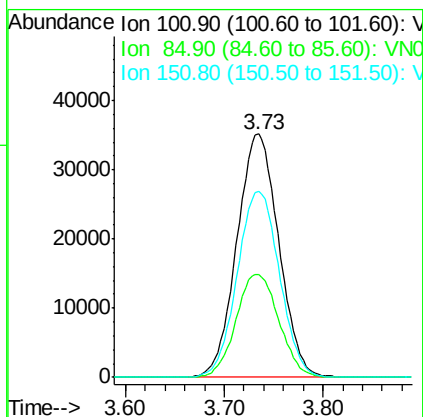
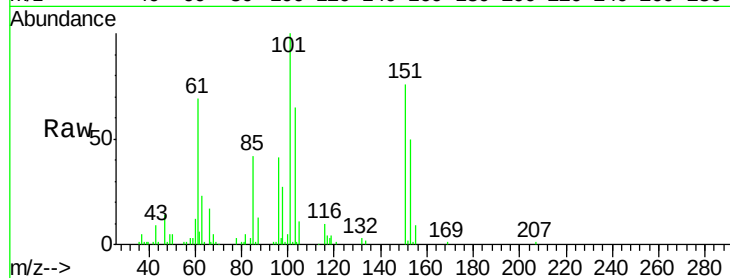
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 103359 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.2  | 35.4  | 53.2   |
| 151       | 77.1  | 62.0  | 93.0   |

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#10

Methyl Iodide

Concen: 42.398 ug/l

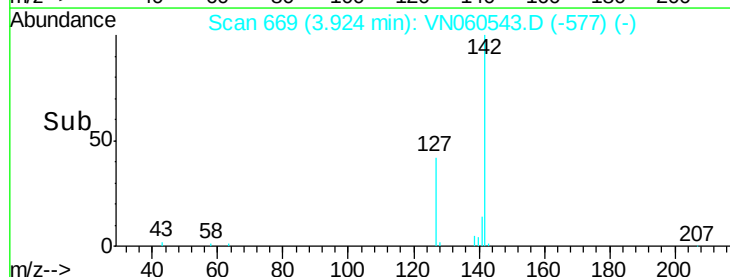
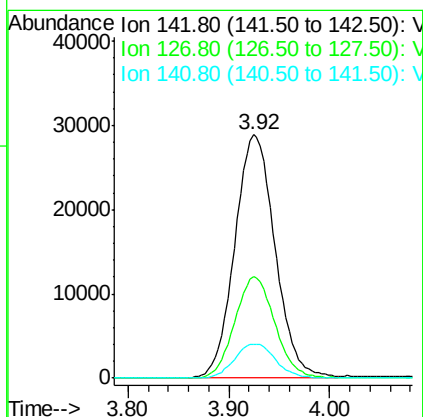
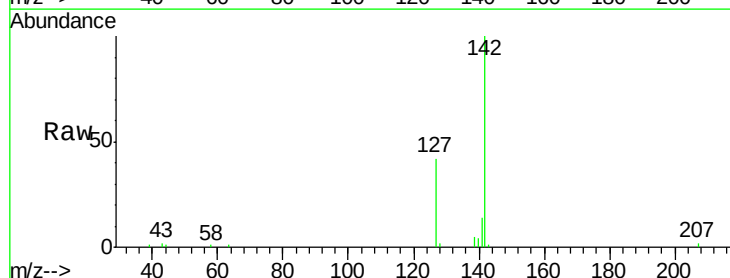
RT: 3.92 min Scan# 669

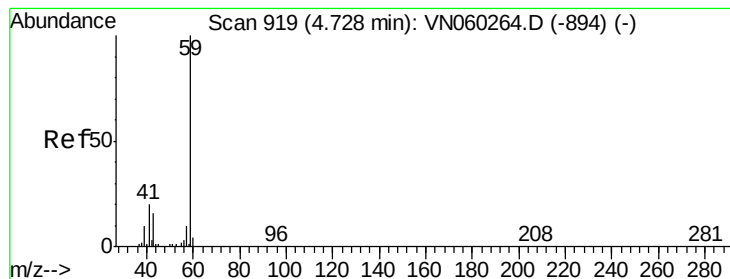
Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 80188 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.1  | 33.8  | 50.6  |
| 141       | 14.1  | 11.1  | 16.7  |





#11

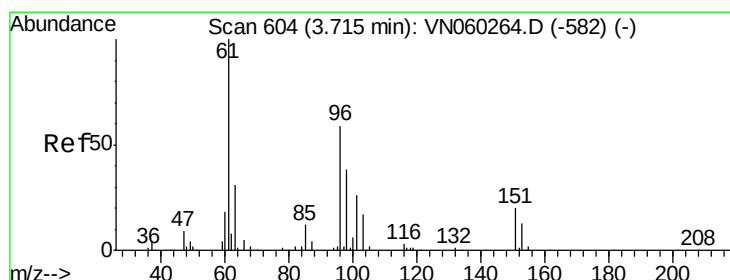
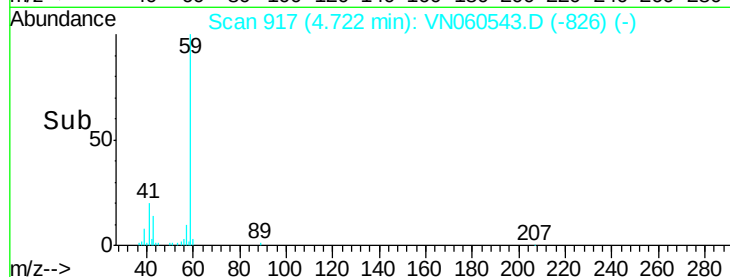
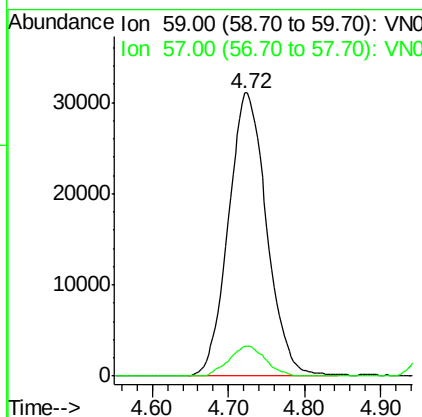
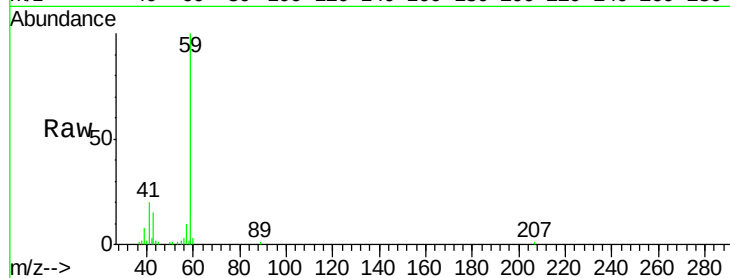
Tert butyl alcohol  
 Concen: 272.861 ug/l  
 RT: 4.72 min Scan# 917  
 Delta R.T. -0.01 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.2   | 12.2  |

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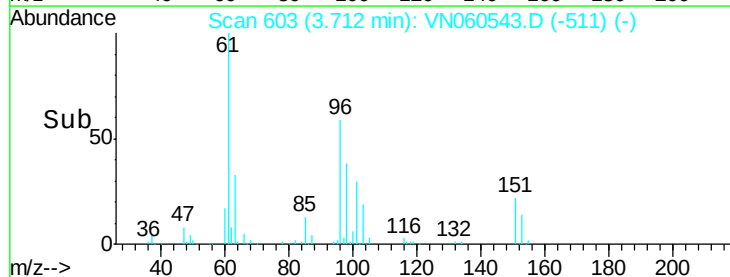
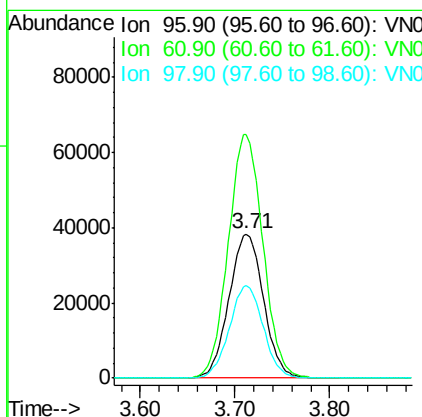
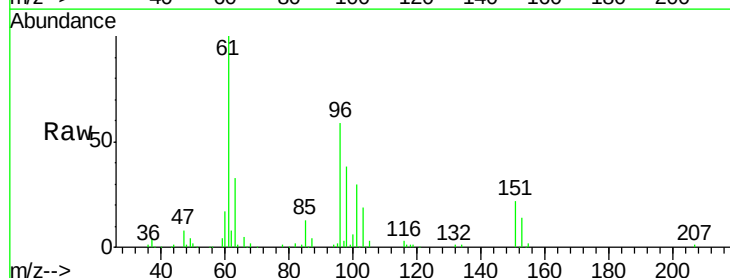
MMDadoda  
 3/18/2020 5:34:56 PM

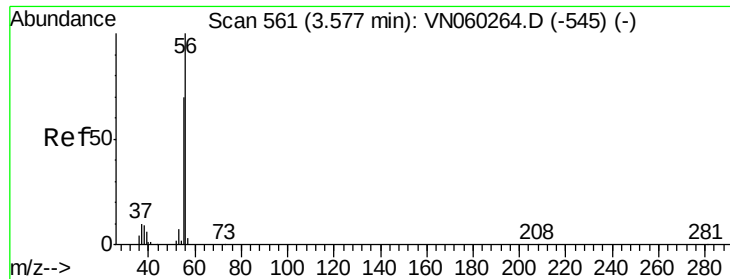


#12

1,1-Dichloroethene  
 Concen: 48.376 ug/l  
 RT: 3.71 min Scan# 603  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 168.8 | 135.4 | 203.0 |
| 98      | 64.1  | 51.6  | 77.4  |





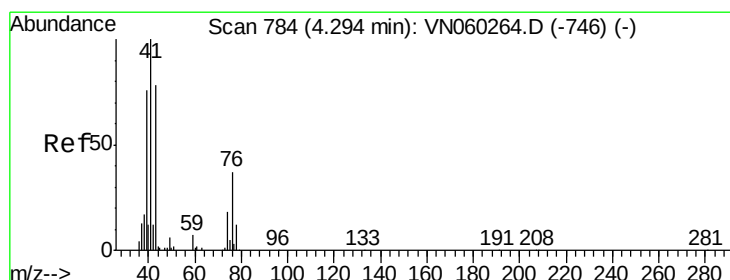
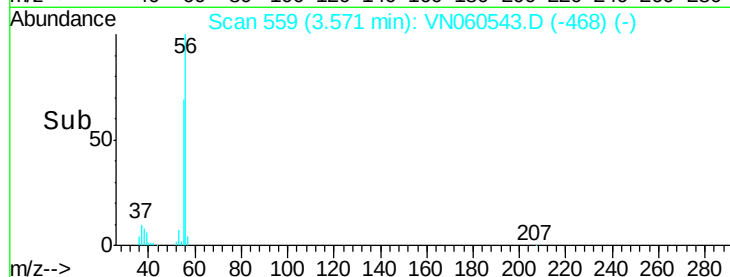
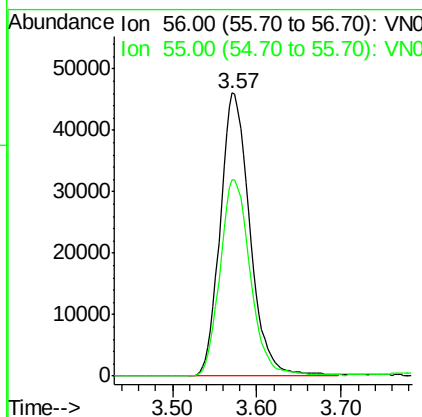
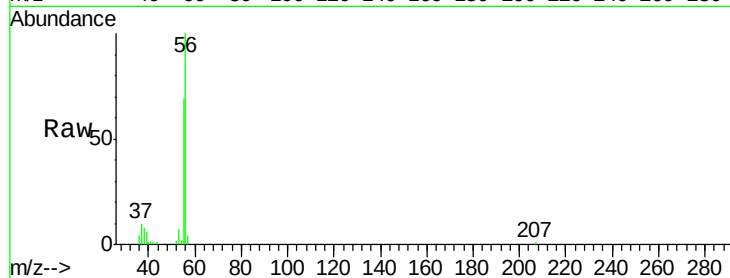
#13  
Acrolein  
Concen: 303.728 ug/l  
RT: 3.57 min Scan# 559  
Delta R.T. -0.01 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 56    | Resp  | 113012 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 55        | 70.9  | 57.4  | 86.0   |

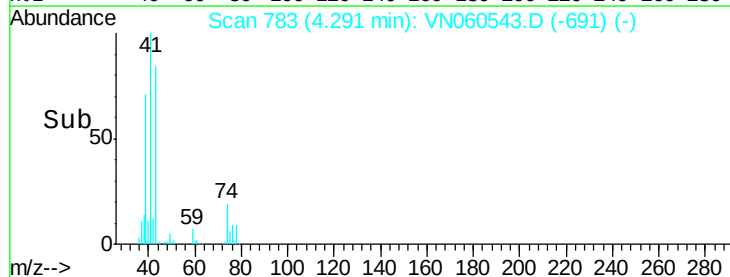
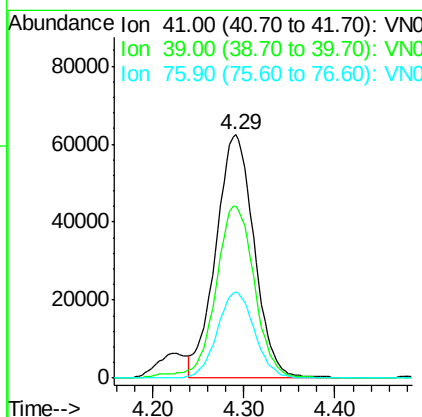
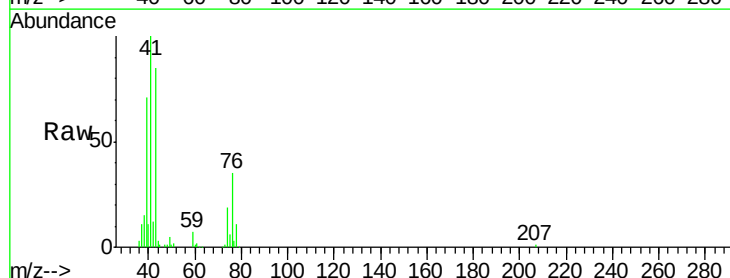
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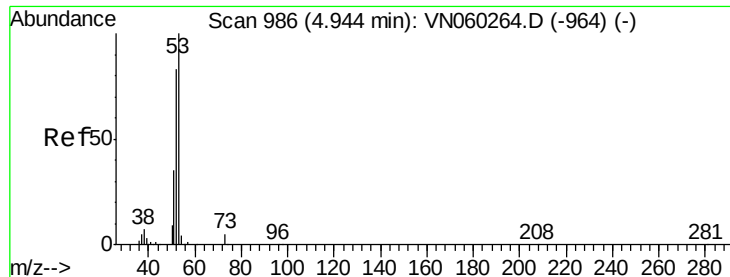
MMDadoda  
3/18/2020 5:34:56 PM



#14  
Allyl chloride  
Concen: 48.909 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion   | 41    | Resp  | 181377 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 72.3  | 55.4  | 83.2   |
| 76        | 34.7  | 27.0  | 40.6   |





#15

Acrylonitrile

Concen: 295.450 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

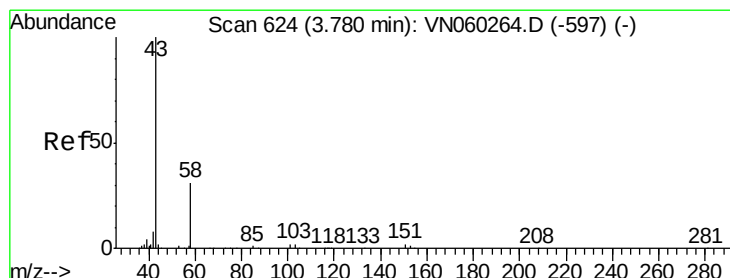
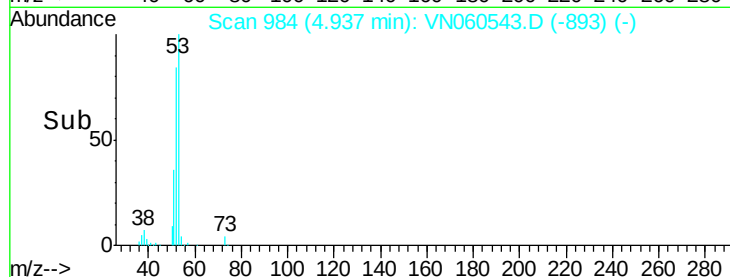
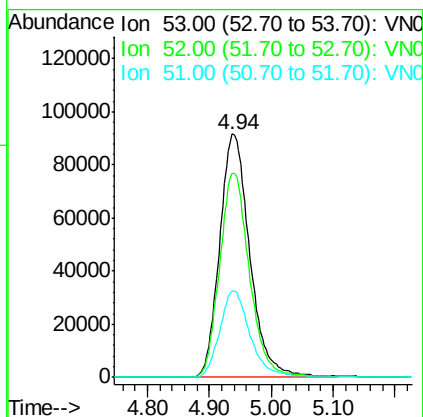
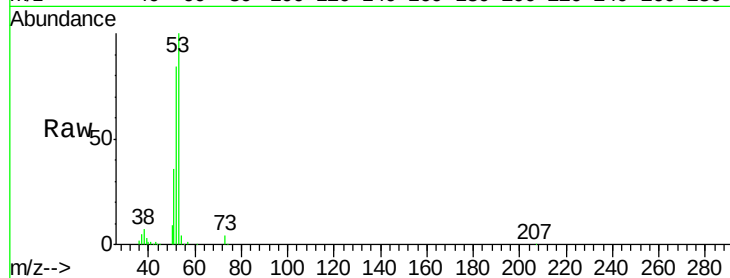
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 310597 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.0  | 66.8  | 100.2  |
| 51        | 35.8  | 29.0  | 43.6   |

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#16

Acetone

Concen: 377.118 ug/l

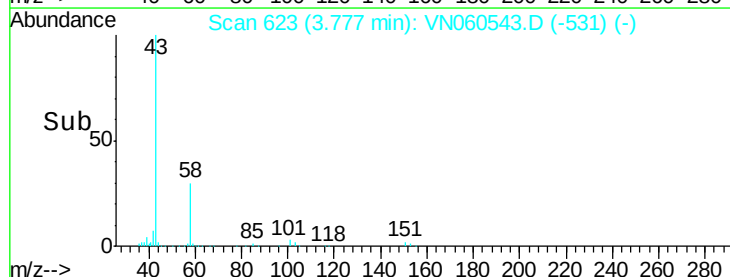
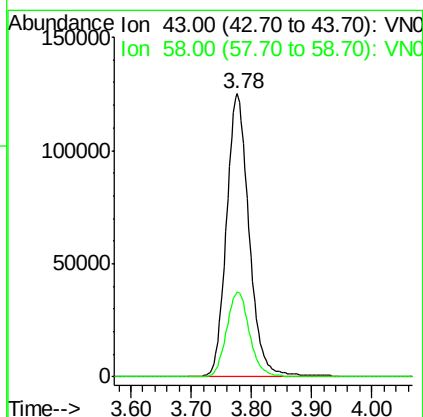
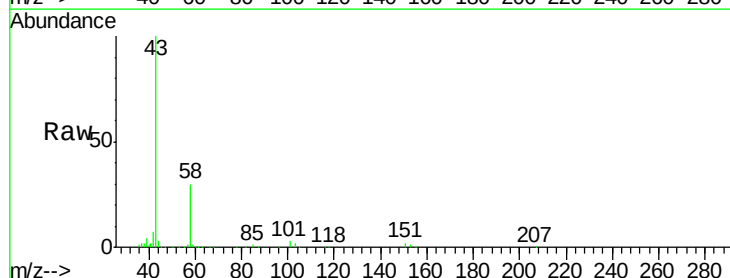
RT: 3.78 min Scan# 623

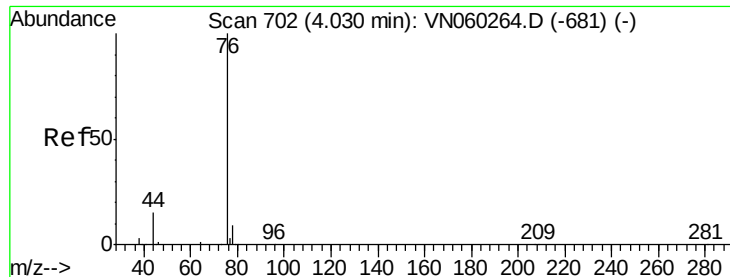
Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 327112 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 29.9  | 24.6  | 36.8   |





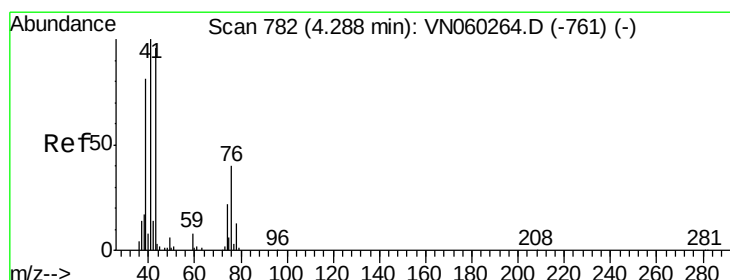
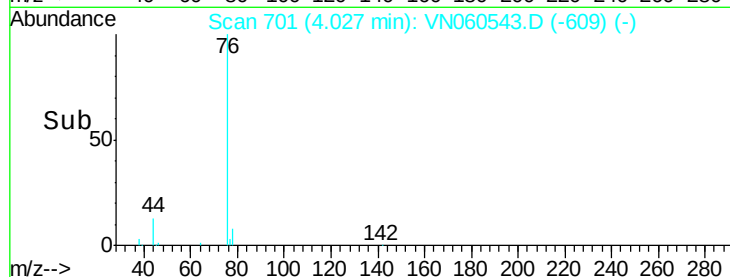
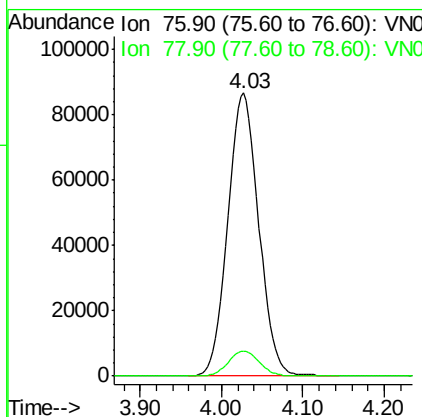
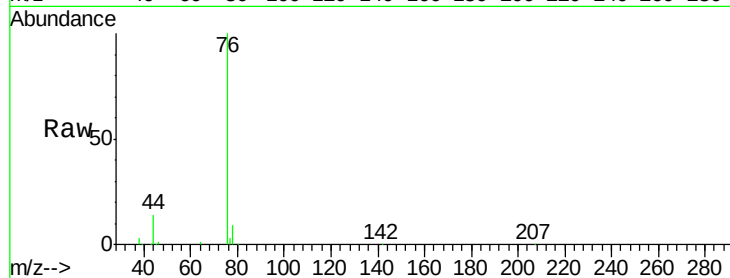
#17  
Carbon Disulfide  
Concen: 42.949 ug/l  
RT: 4.03 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.4   | 11.0  |

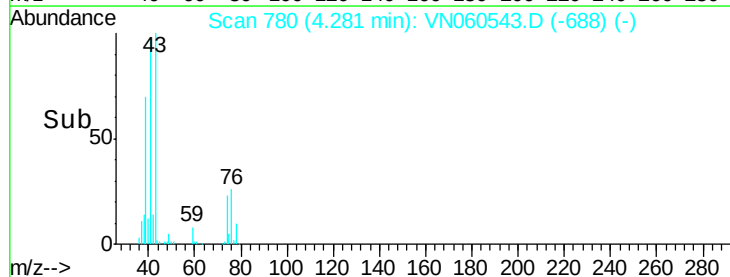
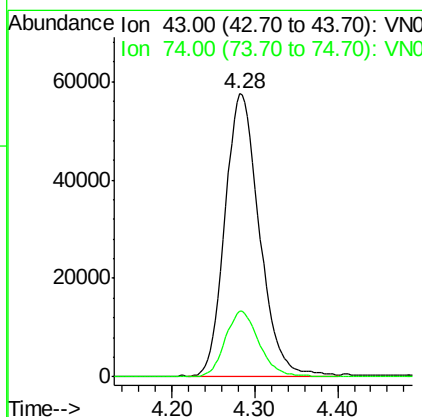
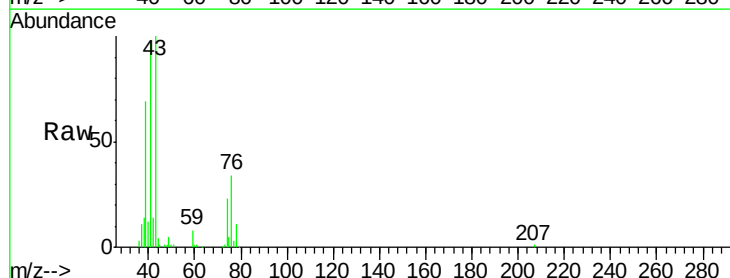
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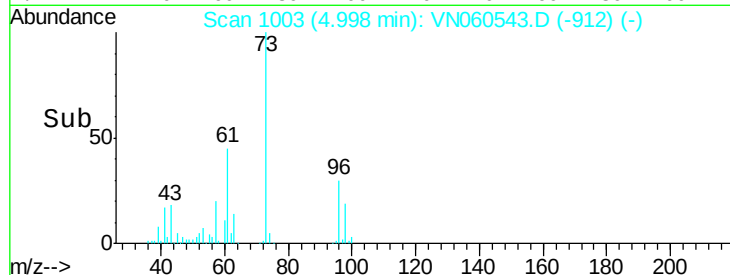
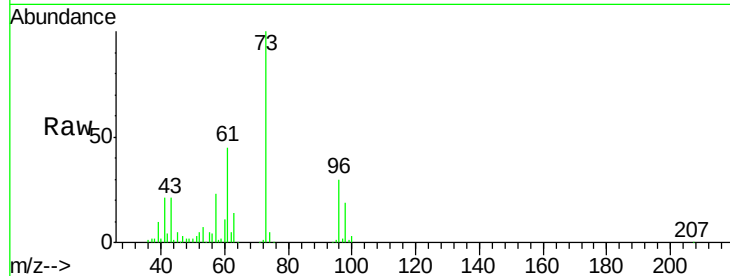
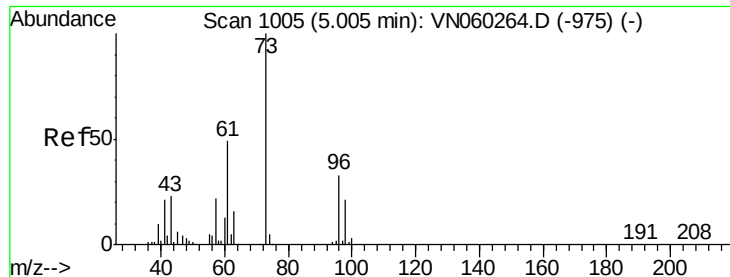
MMDadoda  
3/18/2020 5:34:56 PM



#18  
Methyl Acetate  
Concen: 56.997 ug/l  
RT: 4.28 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.2  | 18.8  | 28.2  |





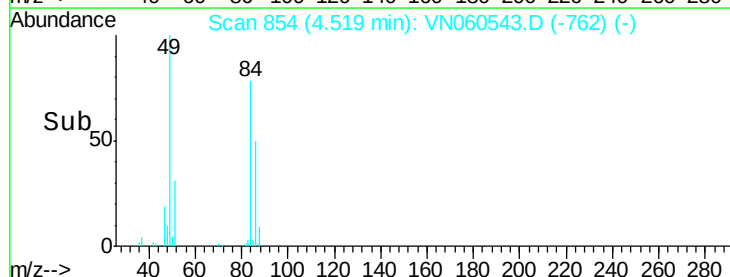
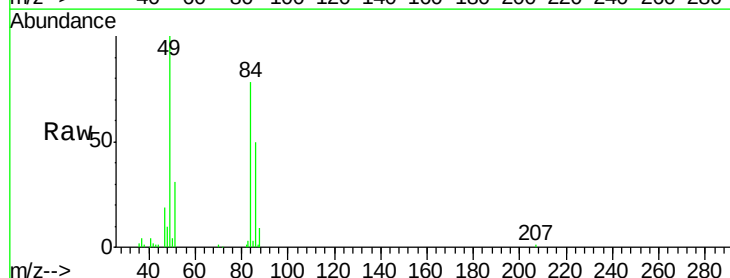
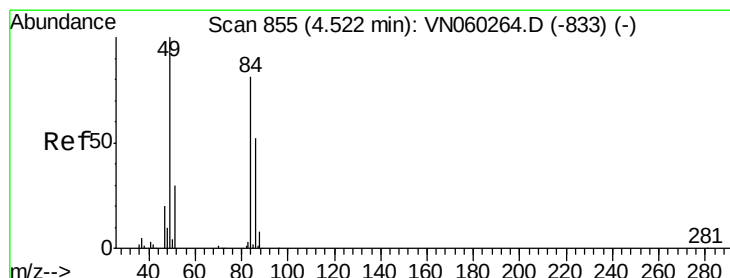
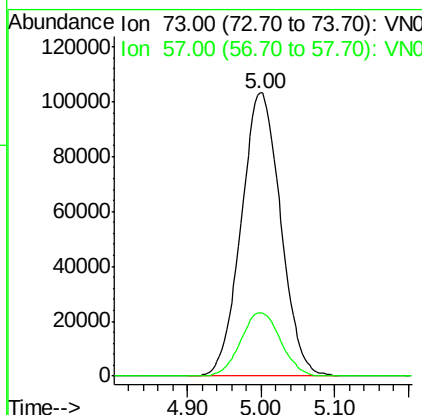
#19  
Methyl tert-butyl Ether  
Concen: 52.662 ug/l  
RT: 5.00 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Tot Ion: 73 Resp: 384565  
Ion Ratio Lower Upper  
73 100  
57 22.5 17.3 25.9

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

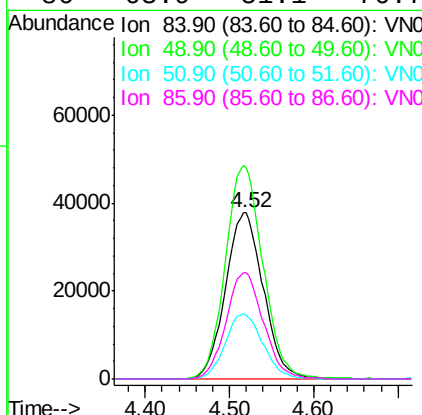
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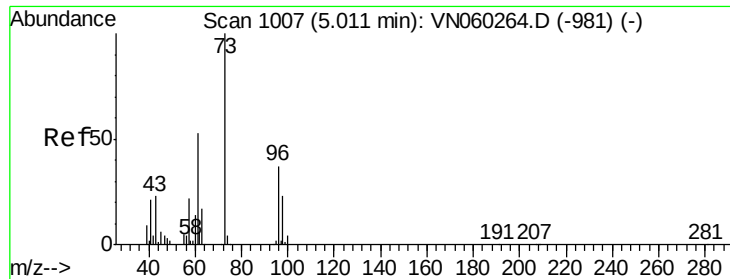
MMDadoda  
3/18/2020 5:34:56 PM



#20  
Methylene Chloride  
Concen: 49.376 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Tgt Ion: 84 Resp: 117620  
Ion Ratio Lower Upper  
84 100  
49 126.8 99.3 148.9  
51 38.9 30.1 45.1  
86 63.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.075 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 103922

Ion Ratio Lower Upper

96 100

61 151.0 113.8 170.8

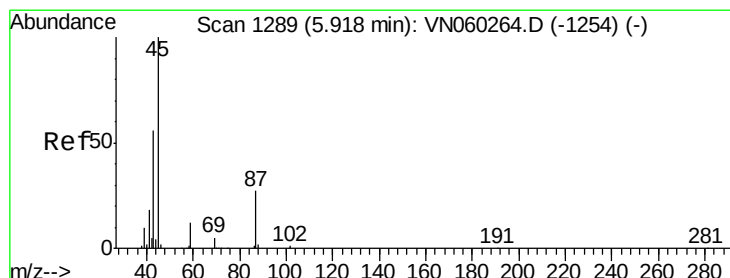
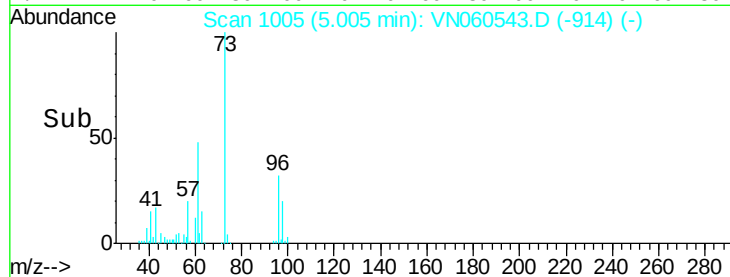
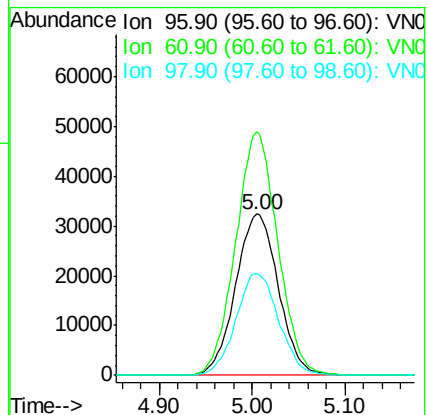
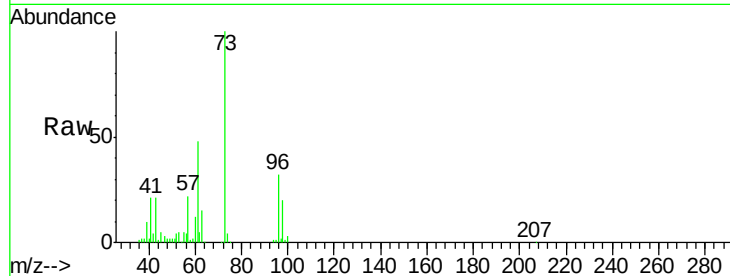
98 63.0 48.8 73.2

Manual Integrations

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3/18/2020 5:34:56 PM



#22

Diisopropyl ether

Concen: 56.050 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Tgt Ion: 45 Resp: 421037

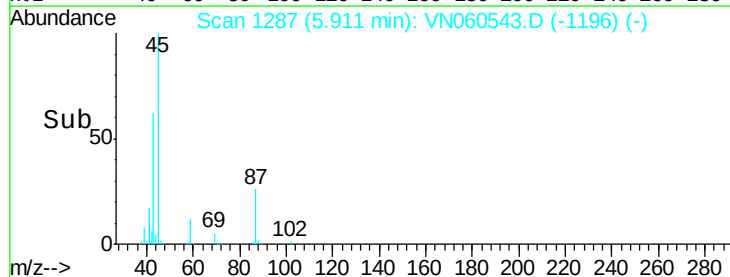
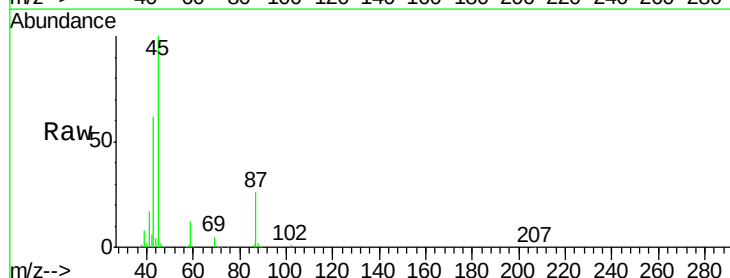
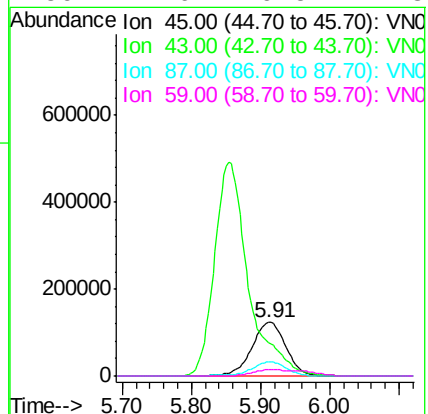
Ion Ratio Lower Upper

45 100

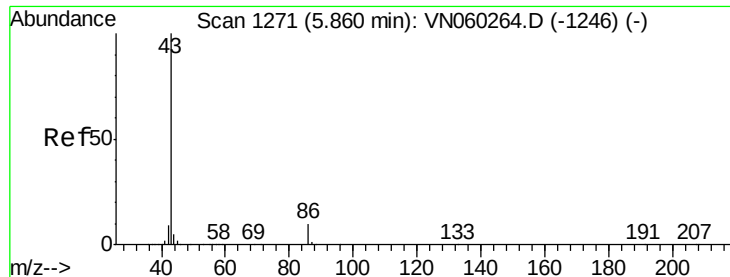
43 61.4 48.6 72.8

87 26.3 22.2 33.2

59 11.6 9.5 14.3







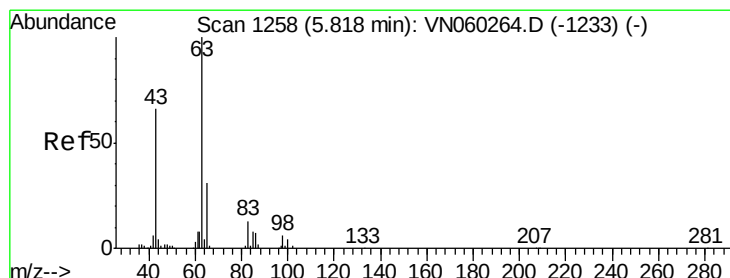
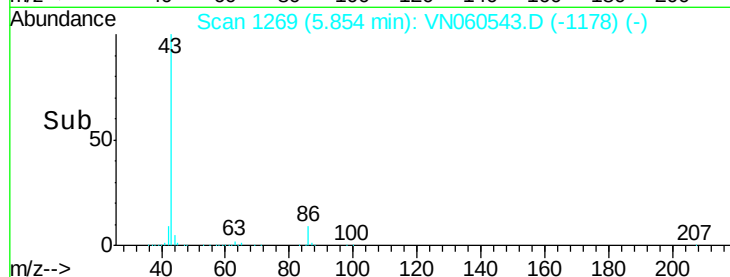
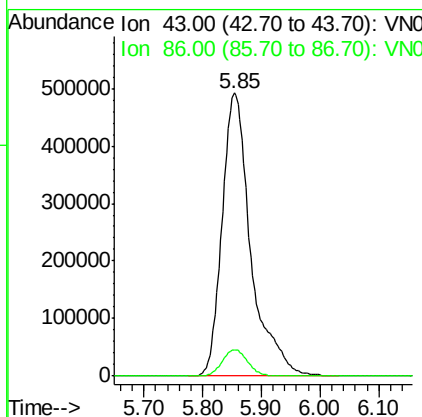
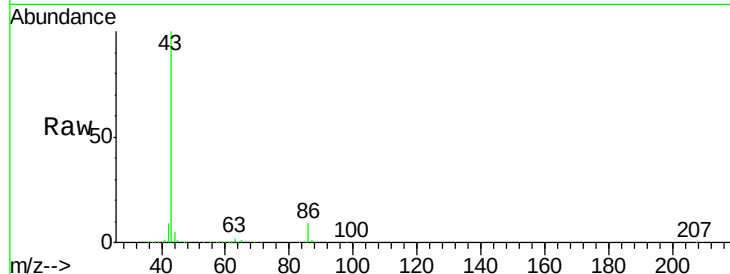
#23  
 Vinyl Acetate  
 Concen: 280.156 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. -0.01 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 1672271  
 Ion Ratio Lower Upper  
 43 100  
 86 9.4 8.0 12.0

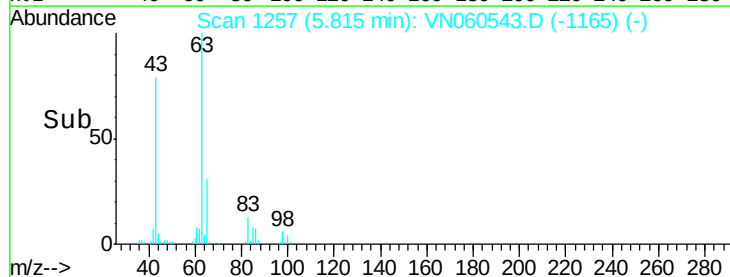
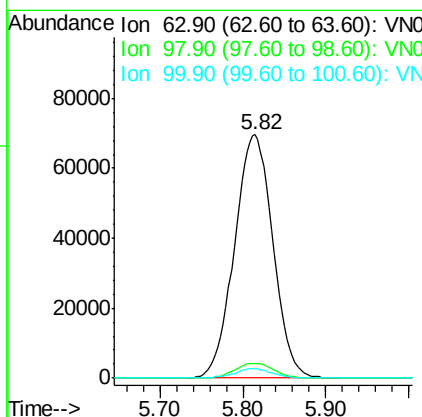
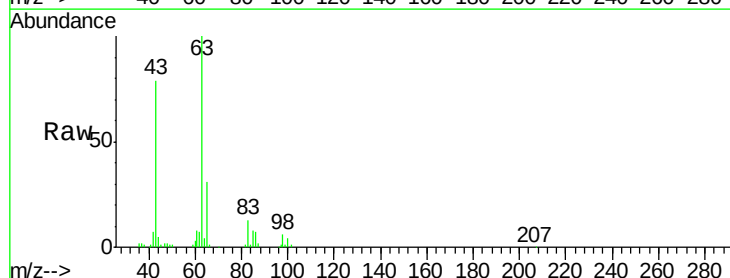
Manual Integrations  
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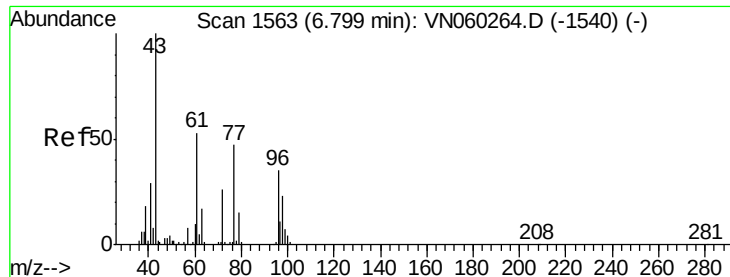
MMDadoda  
 3/18/2020 5:34:56 PM



#24  
 1,1-Dichloroethane  
 Concen: 52.664 ug/l  
 RT: 5.82 min Scan# 1257  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Tgt Ion: 63 Resp: 223933  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.0 9.0  
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 329.971 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 462309

Ion Ratio Lower Upper

43 100

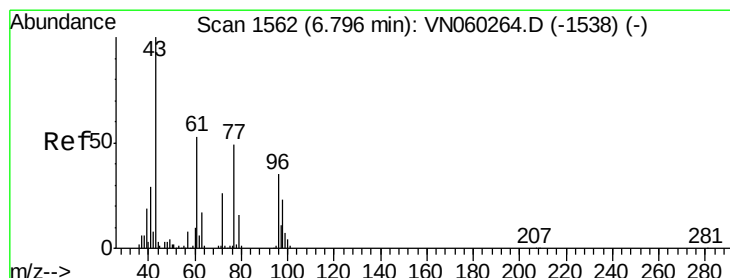
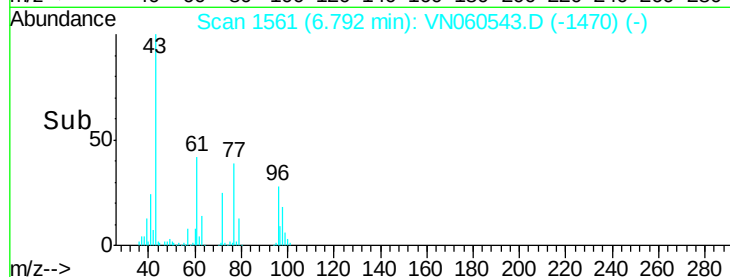
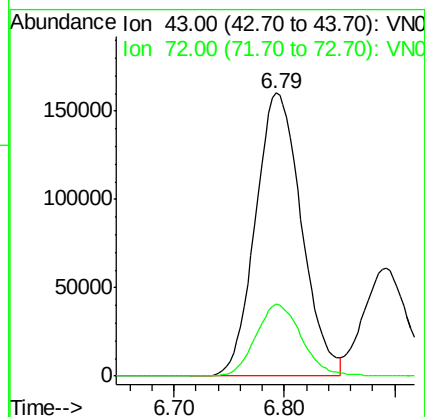
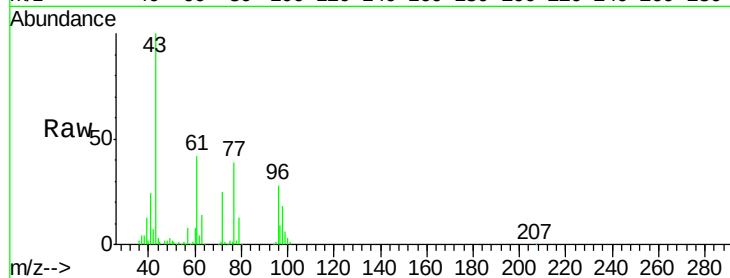
72 25.3 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 51.309 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060543.D

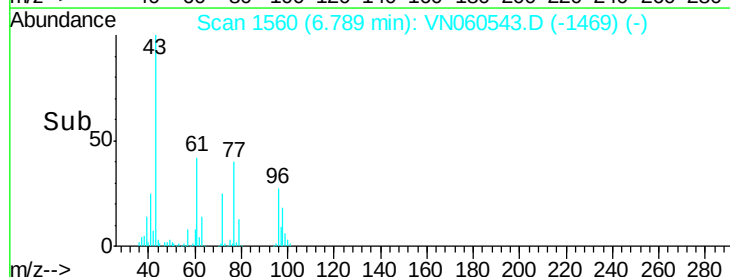
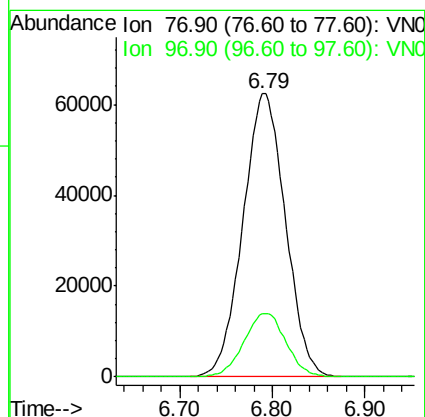
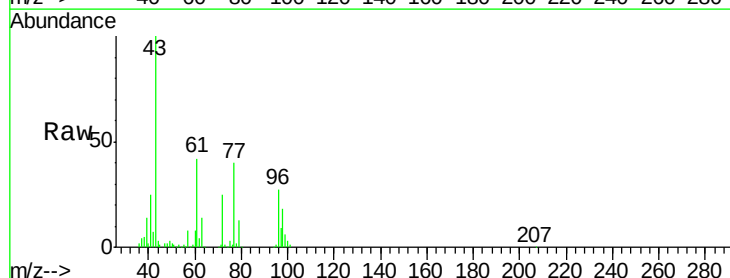
Acq: 17 Mar 2020 9:25

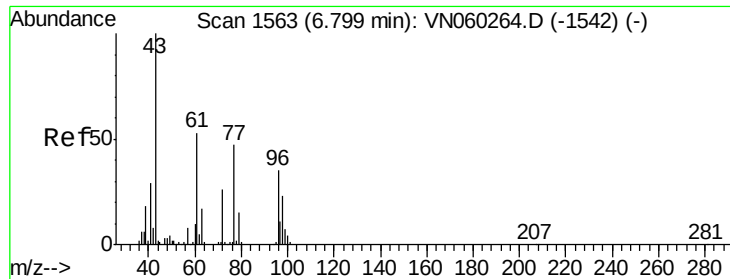
Tgt Ion: 77 Resp: 198618

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 47.244 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

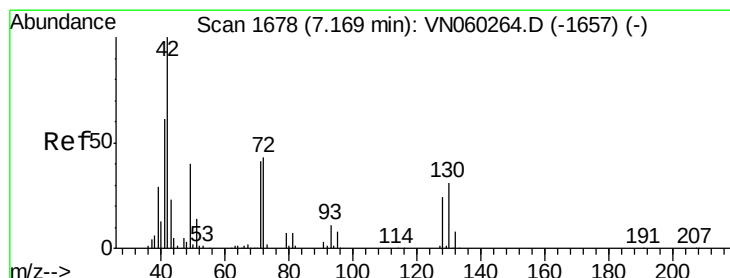
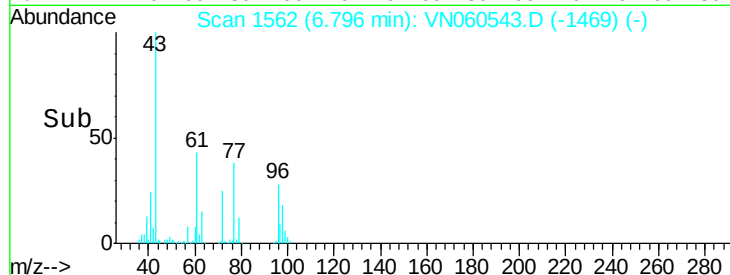
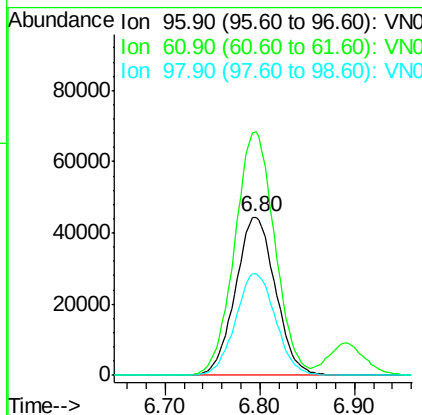
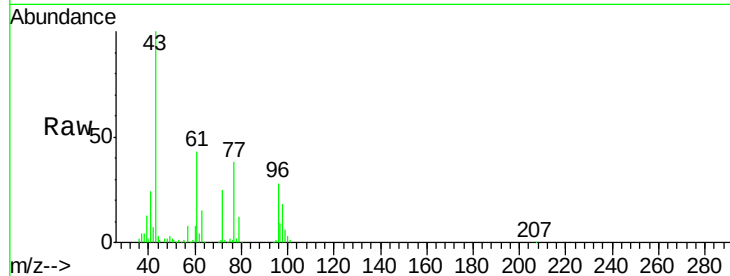
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 130500 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 154.2 | 0.0   | 300.8  |
| 98       | 64.4  | 0.0   | 128.2  |

Manual Integrations  
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3/18/2020 5:34:56 PM



#28

Bromochloromethane

Concen: 48.029 ug/l

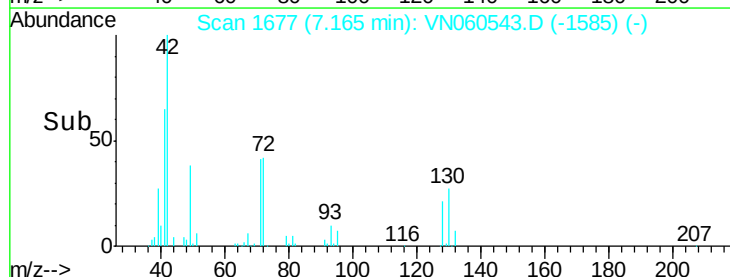
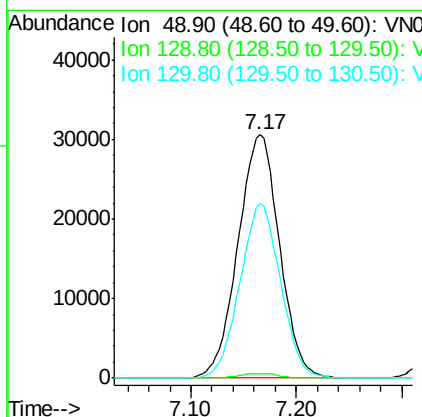
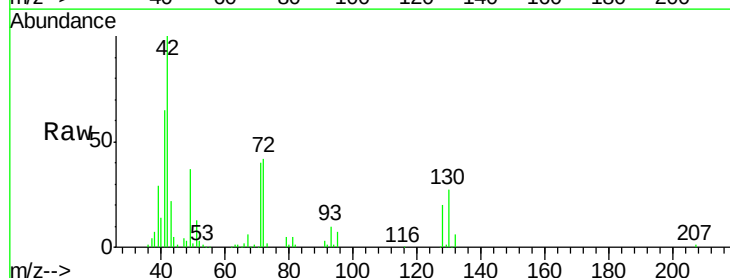
RT: 7.17 min Scan# 1677

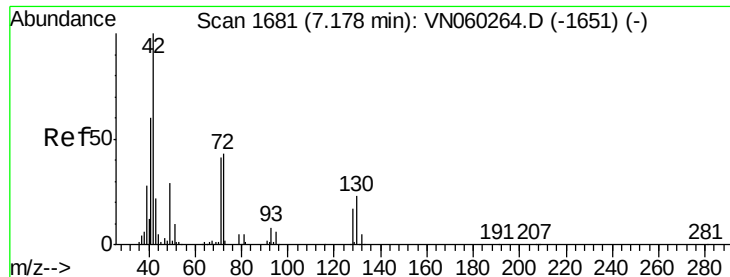
Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 83850 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.7   | 0.0   | 3.8   |
| 130      | 70.0  | 59.8  | 89.8  |





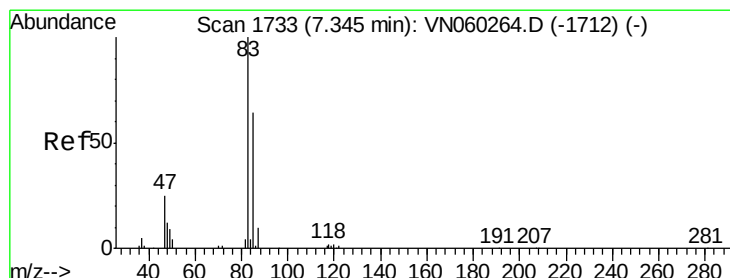
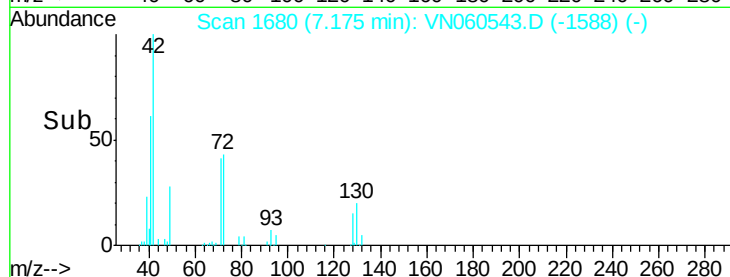
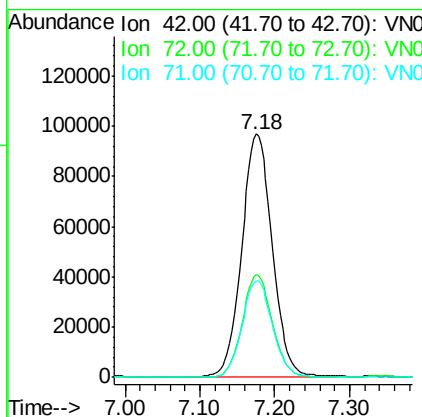
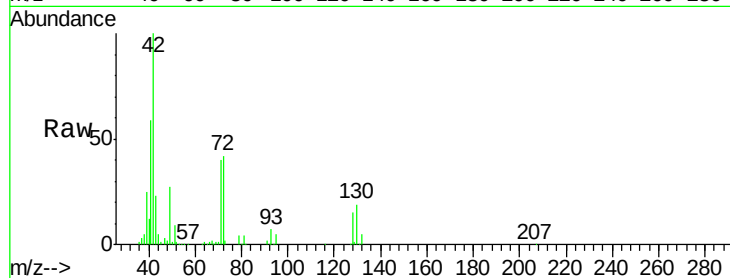
#29  
Tetrahydrofuran  
Concen: 283.256 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 42      | 42  | 100   |      |       |       |
| 72      | 72  | 41.3  |      | 34.6  | 52.0  |
| 71      | 71  | 39.2  |      | 32.9  | 49.3  |

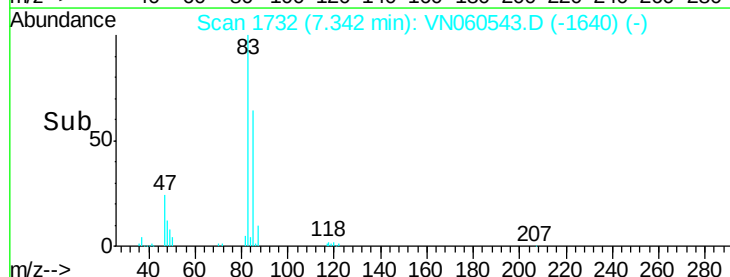
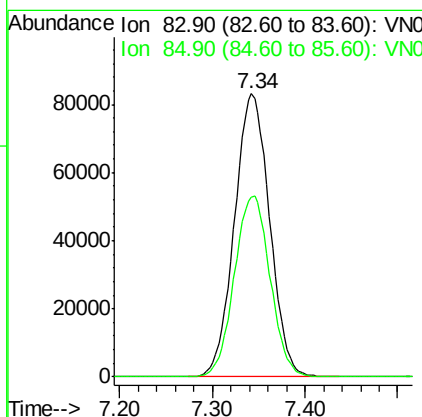
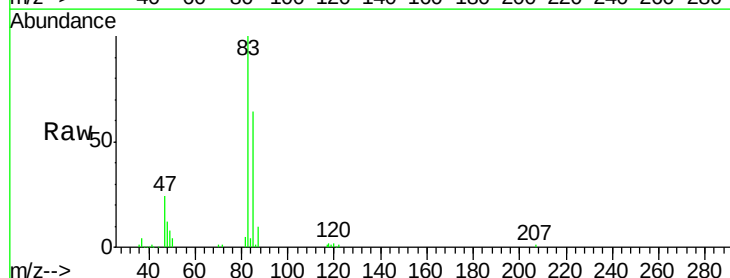
Manual Integrations  
APPROVED

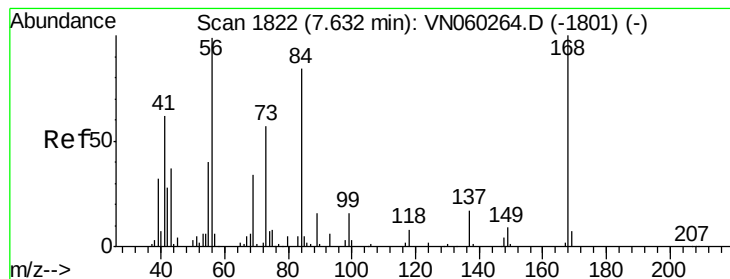
MMDadoda  
3/18/2020 5:34:56 PM



#30  
Chloroform  
Concen: 51.712 ug/l  
RT: 7.34 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 83      | 83  | 100   |      |       |       |
| 85      | 85  | 63.6  |      | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 50.269 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 182378

Ion Ratio Lower Upper

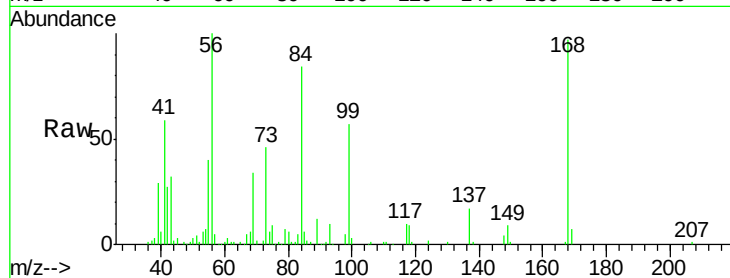
56 100

69 34.4 27.2 40.8

84 82.5 66.7 100.1

Manual Integrations  
APPROVED

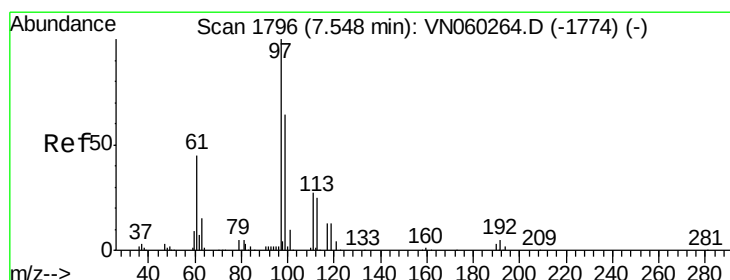
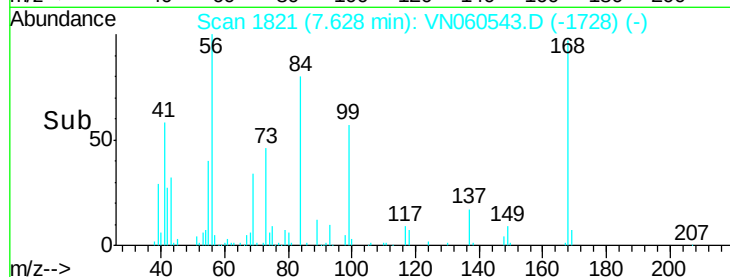
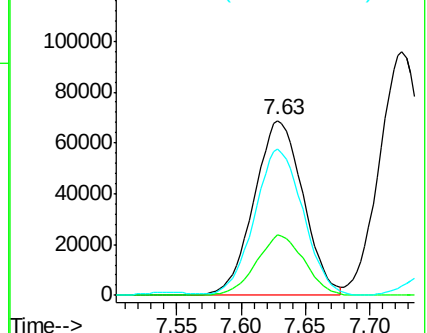
MMDadoda  
3/18/2020 5:34:56 PM



Abundance Ion 56.00 (55.70 to 56.70): VN060543.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN060543.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN060543.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 49.484 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

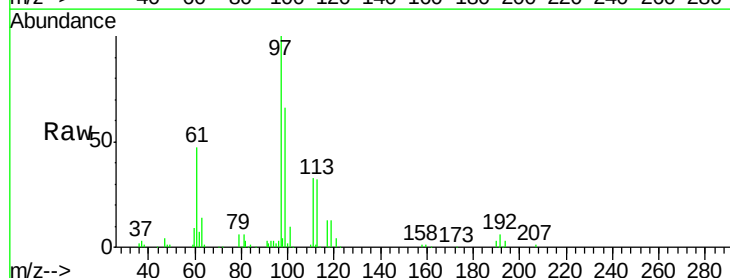
Tgt Ion: 97 Resp: 185585

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

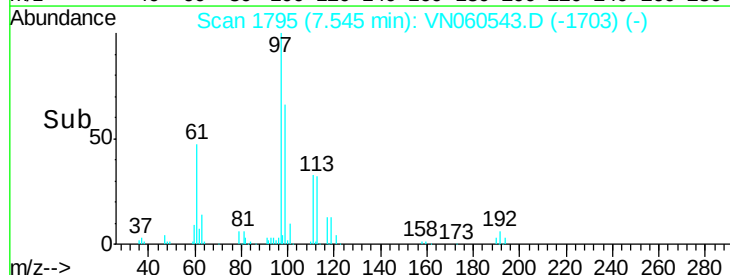
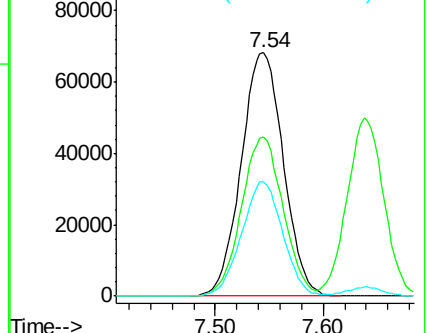
61 45.8 36.6 55.0

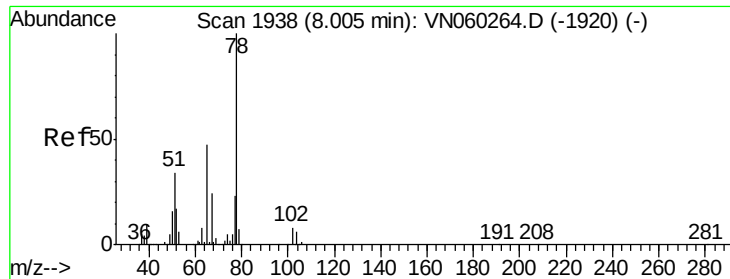


Abundance Ion 96.90 (96.60 to 97.60): VN060543.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060543.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060543.D (-1703) (-)





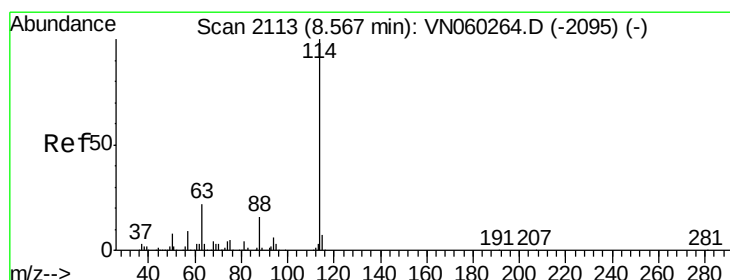
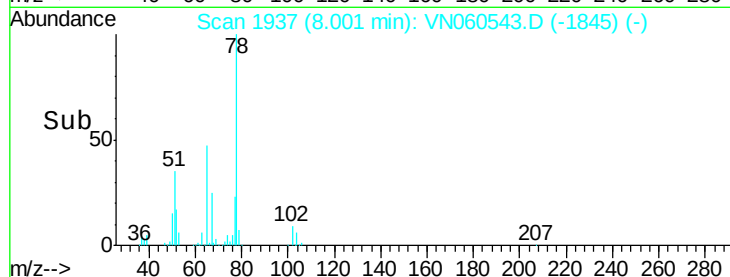
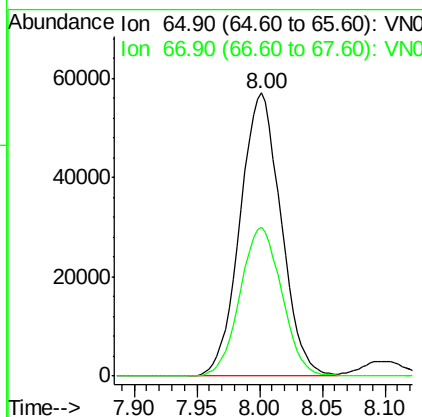
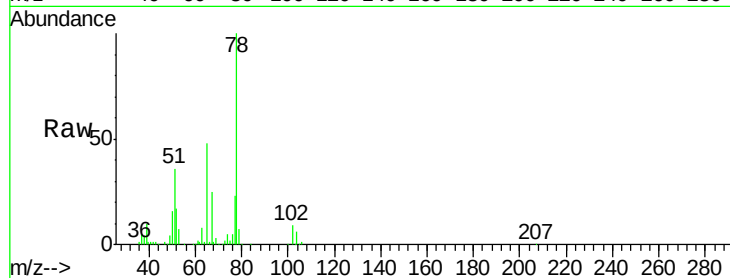
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.321 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 53.5  | 0.0  | 103.8 |       |

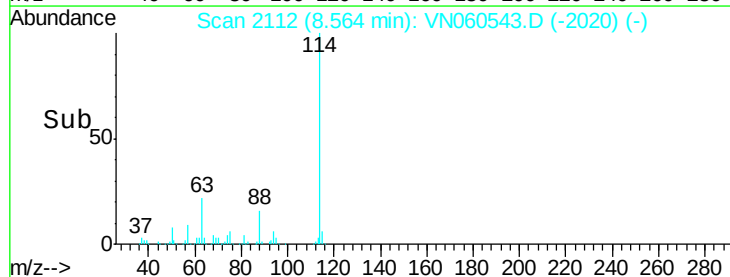
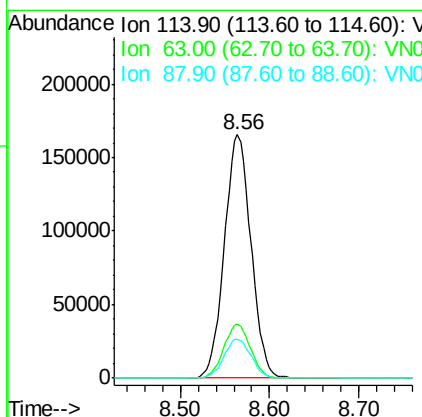
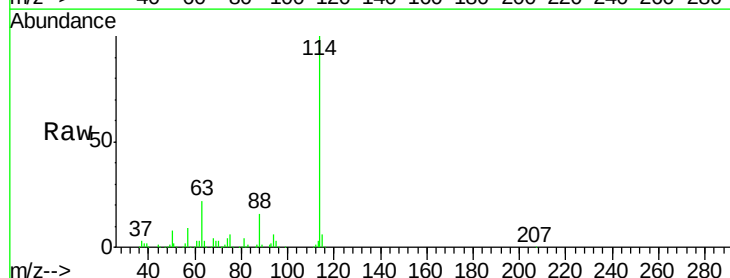
Manual Integrations  
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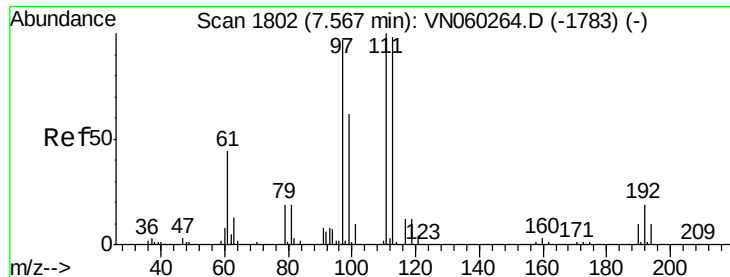
MMDadoda  
 3/18/2020 5:34:56 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 22.0  | 0.0  | 43.2  |       |
| 88      | 16.2  | 0.0  | 31.6  |       |





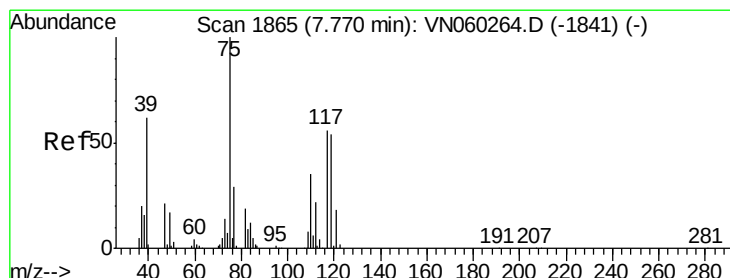
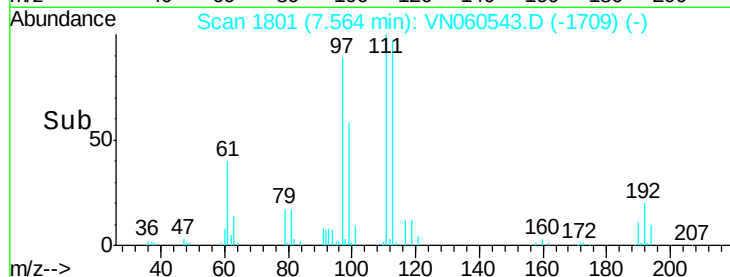
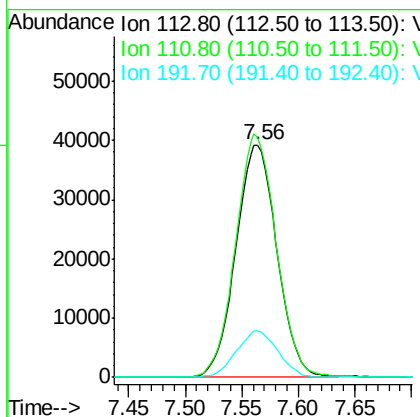
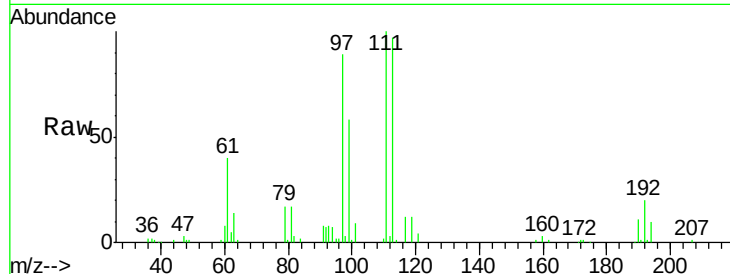
#35  
 Dibromofluoromethane  
 Concen: 62.581 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.8 | 82.4  | 123.6 |
| 192     | 20.2  | 16.2  | 24.2  |

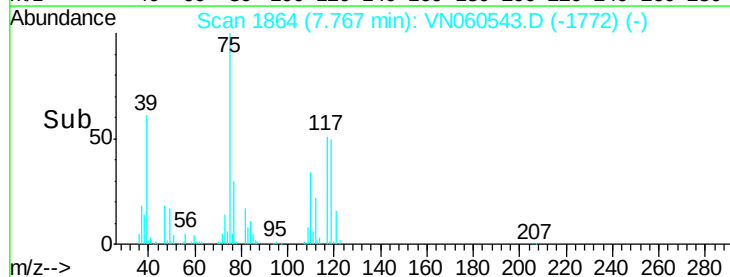
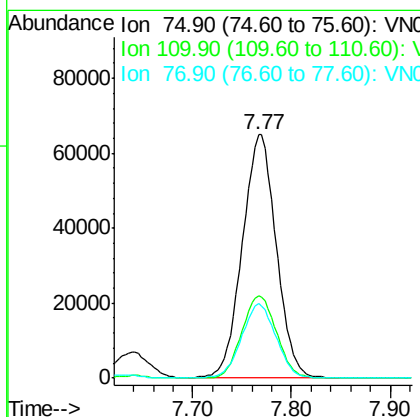
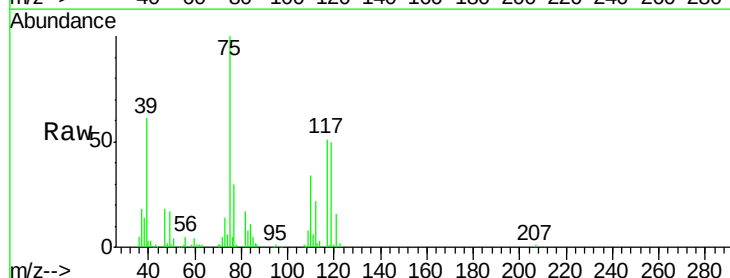
Manual Integrations  
 APPROVED

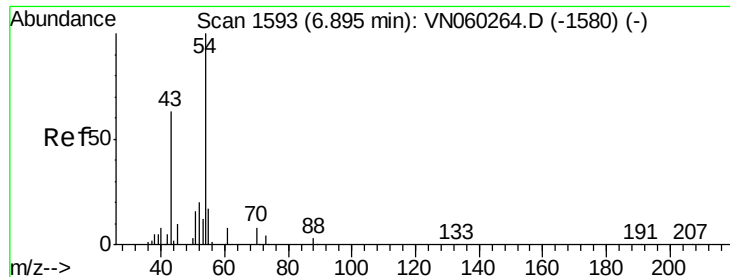
MMDadoda  
 3/18/2020 5:34:56 PM



#36  
 1,1-Dichloropropene  
 Concen: 47.575 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.3  | 17.3  | 52.0  |
| 77      | 31.0  | 24.2  | 36.2  |





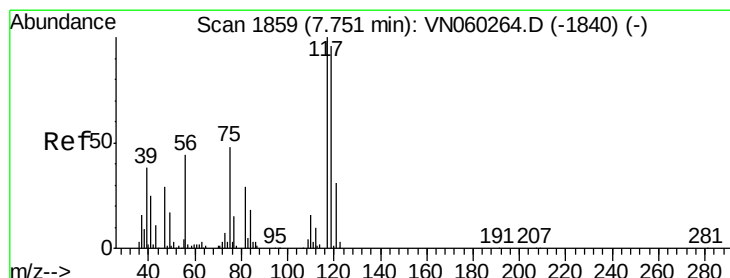
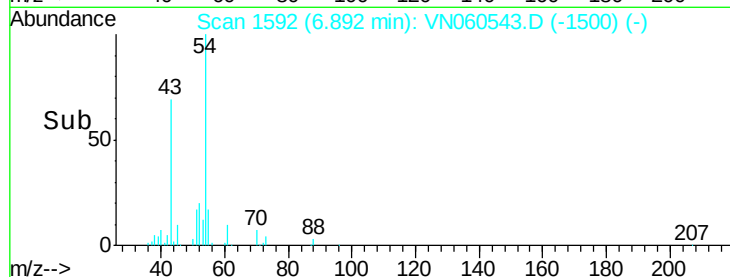
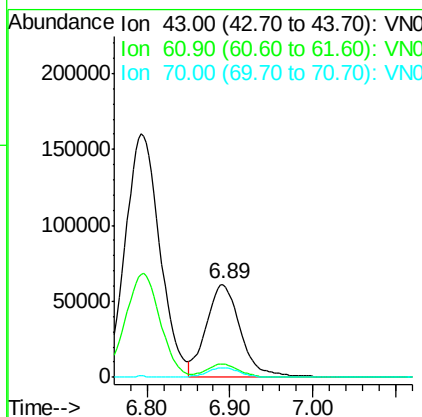
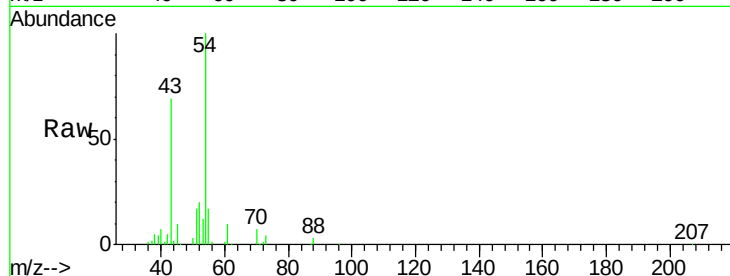
#37  
Ethyl Acetate  
Concen: 56.593 ug/l  
RT: 6.89 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | 43   | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 43      | 100  |       |       |       |
| 61      | 14.2 | 11.1  | 16.7  |       |
| 70      | 10.2 | 8.4   | 12.6  |       |

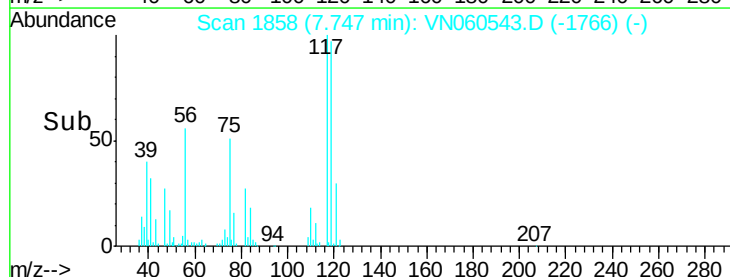
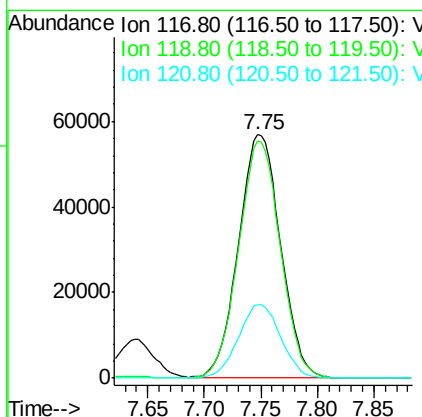
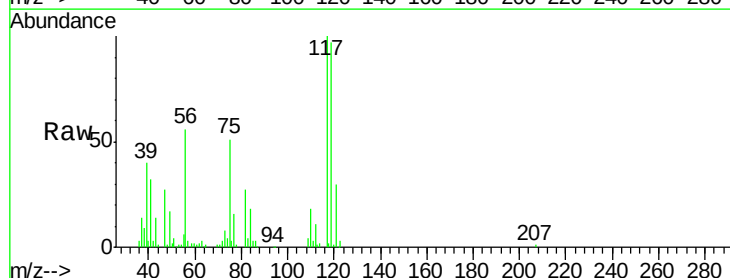
Manual Integrations  
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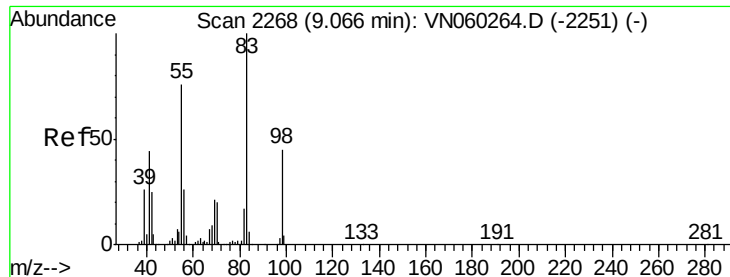


#38  
Carbon Tetrachloride  
Concen: 46.540 ug/l  
RT: 7.75 min Scan# 1858  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | 117  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 117     | 100  |       |       |       |
| 119     | 97.4 | 76.7  | 115.1 |       |
| 121     | 30.3 | 24.5  | 36.7  |       |







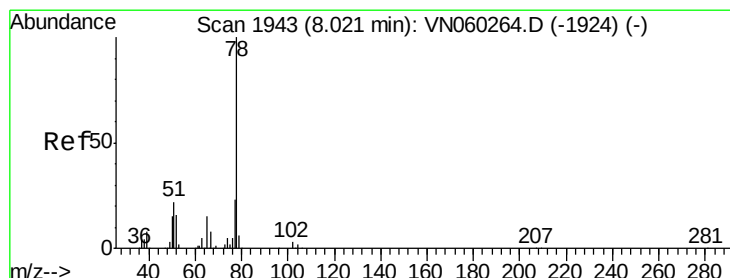
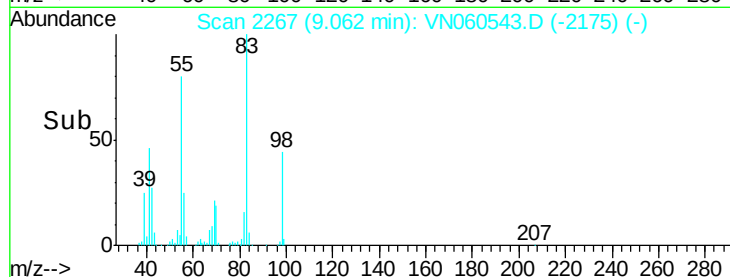
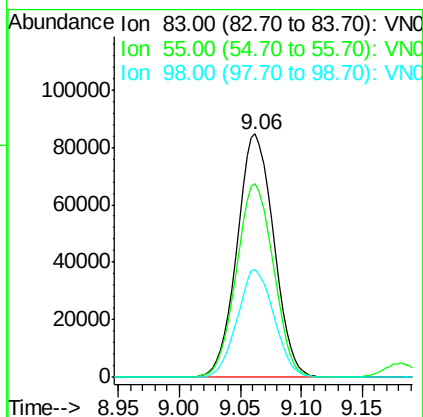
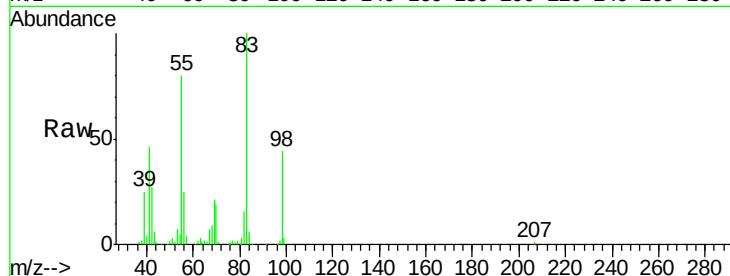
#39  
Methylvlcyclohexane  
Concen: 46.001 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 83    | Resp  | 176475 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 79.7  | 61.0  | 91.4   |
| 98      | 44.4  | 36.1  | 54.1   |

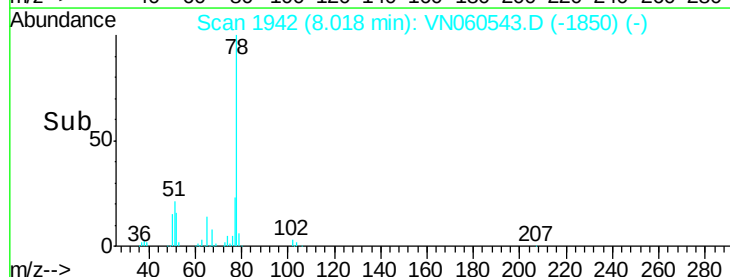
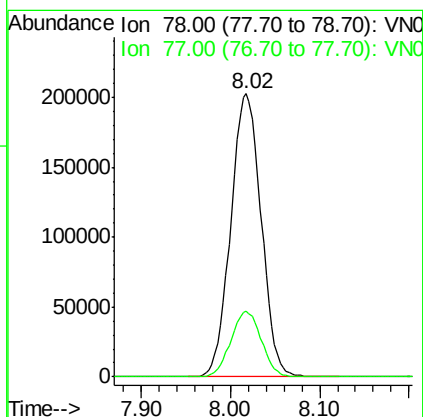
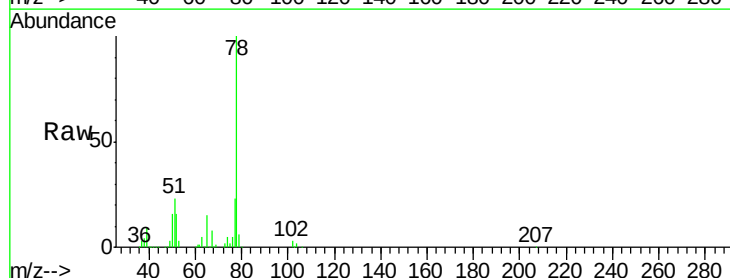
Manual Integrations  
APPROVED

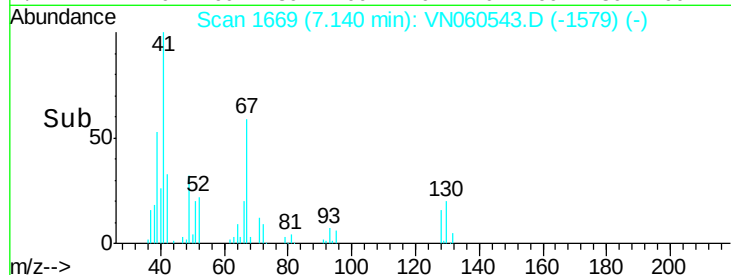
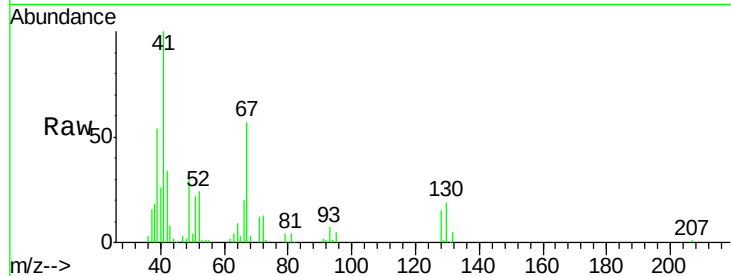
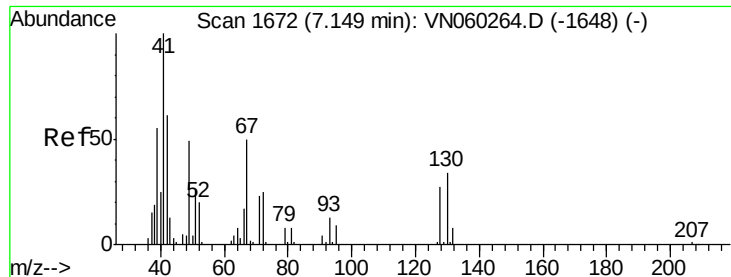
MMDadoda  
3/18/2020 5:34:56 PM



#40  
Benzene  
Concen: 50.496 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | 78    | Resp  | 478214 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 23.0  | 18.8  | 28.2   |





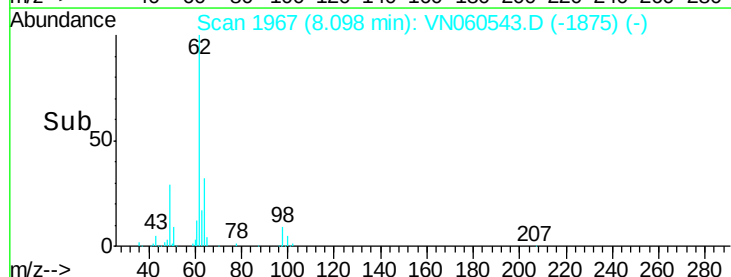
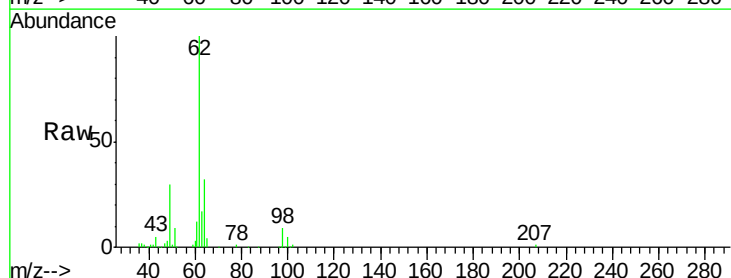
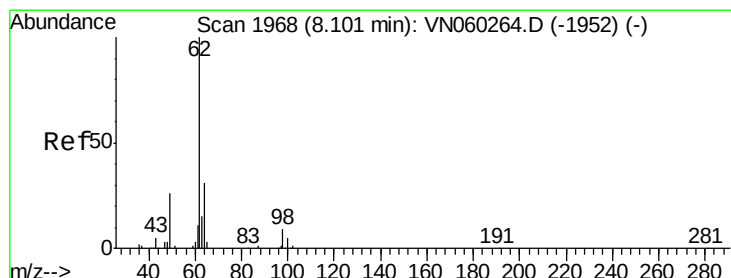
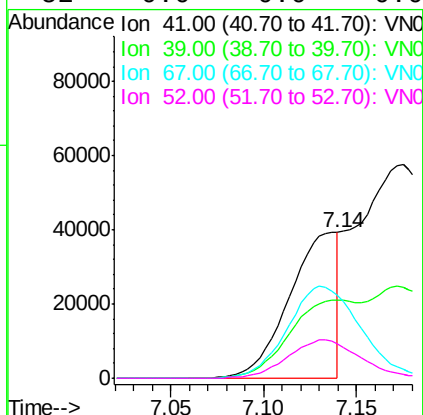
#41  
Methacrylonitrile  
Concen: 50.229 ug/l m  
RT: 7.14 min Scan# 1669  
Delta R.T. -0.01 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tot 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   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

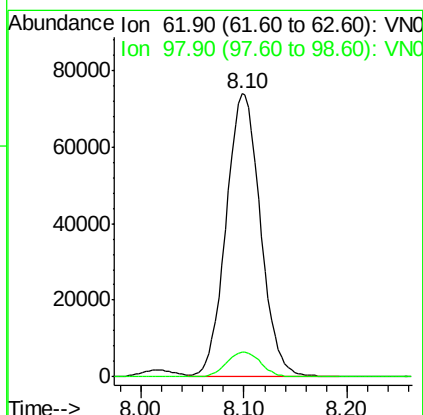
Manual Integrations  
APPROVED

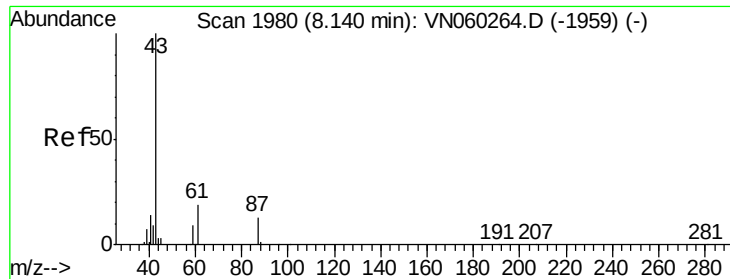
MMDadoda  
3/18/2020 5:34:56 PM



#42  
1,2-Dichloroethane  
Concen: 50.196 ug/l  
RT: 8.10 min Scan# 1967  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.8   | 0.0   | 17.0  |





#43

Isopropyl Acetate

Concen: 56.239 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

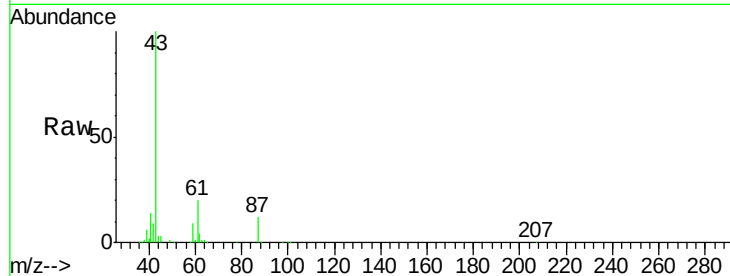
ClientSampleId :

VSTDCCC050

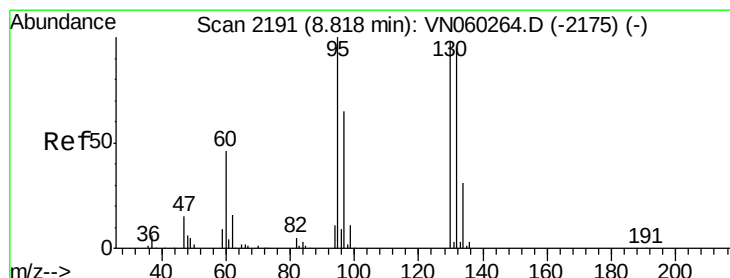
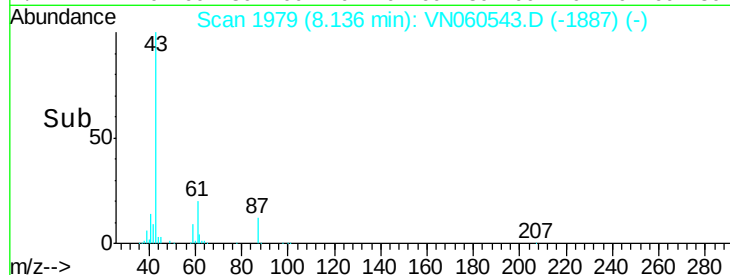
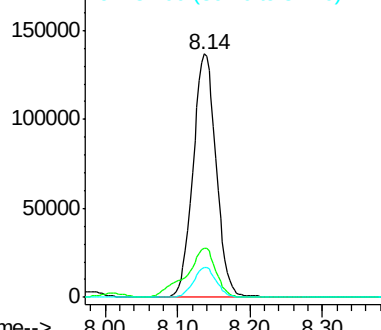
| Tot Ion   | 43    | Resp  | 303336 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 25.8  | 20.9  | 31.3   |
| 87        | 12.2  | 10.6  | 16.0   |

Manual Integrations  
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Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)



#44

Trichloroethene

Concen: 47.477 ug/l

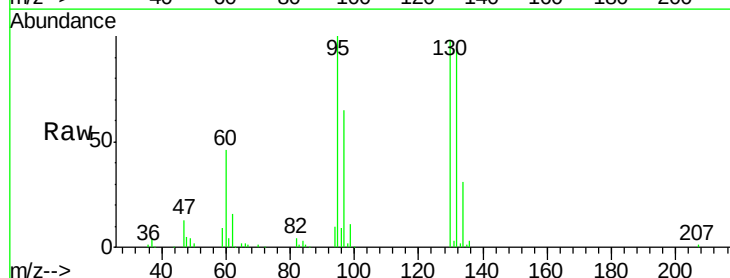
RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

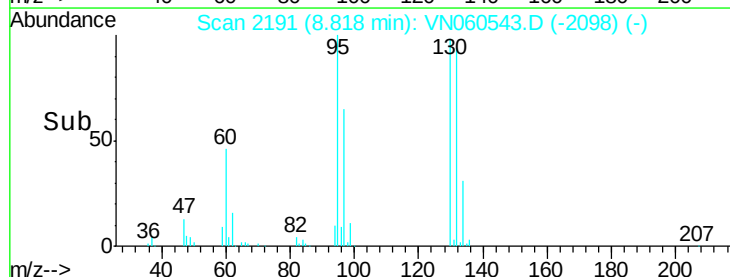
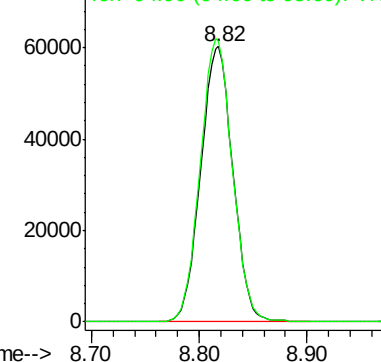
Lab File: VN060543.D

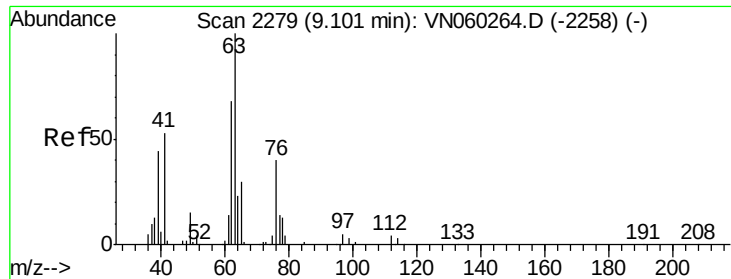
Acq: 17 Mar 2020 9:25

| Tgt Ion   | 130   | Resp  | 125223 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 102.0 | 0.0   | 203.4  |



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)





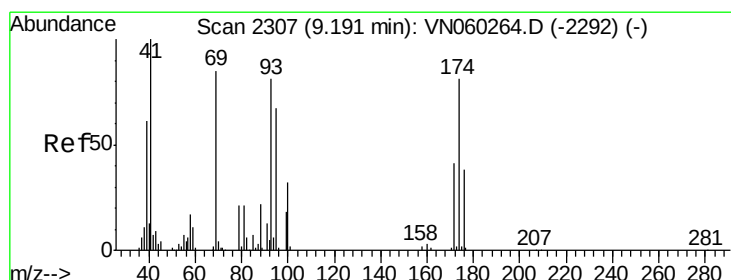
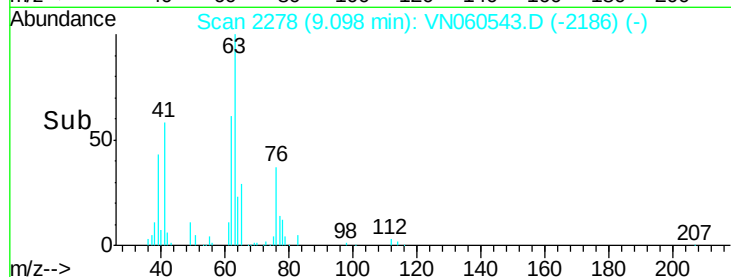
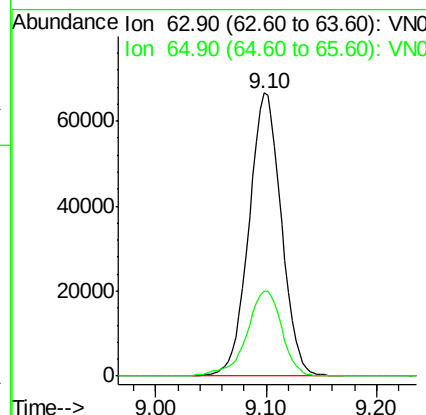
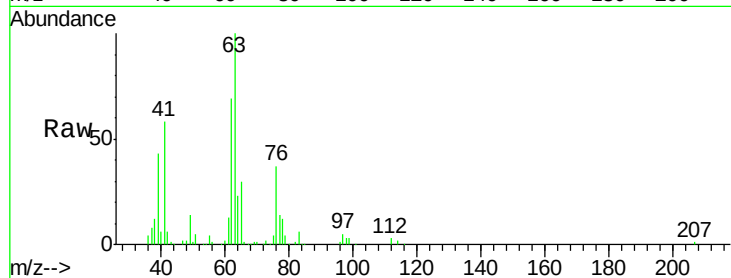
#45  
 1,2-Dichloropropane  
 Concen: 54.709 ug/l  
 RT: 9.10 min Scan# 2278  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.2  | 24.4  | 36.6  |

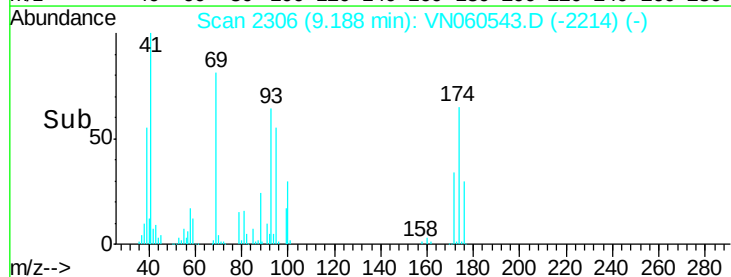
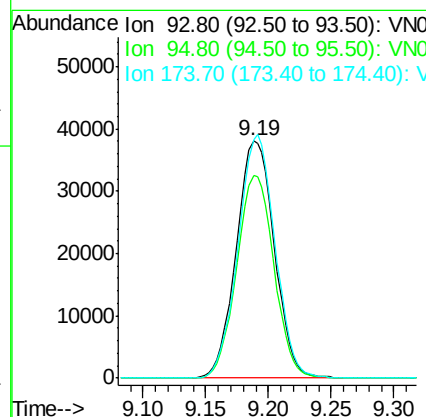
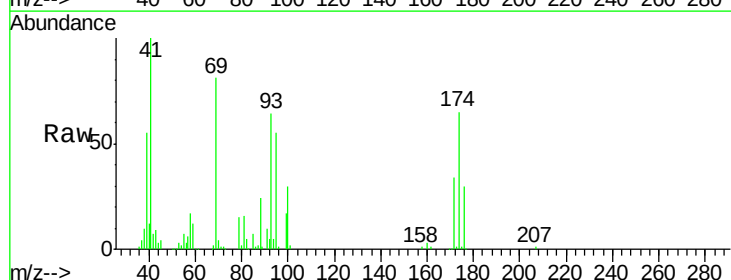
Manual Integrations  
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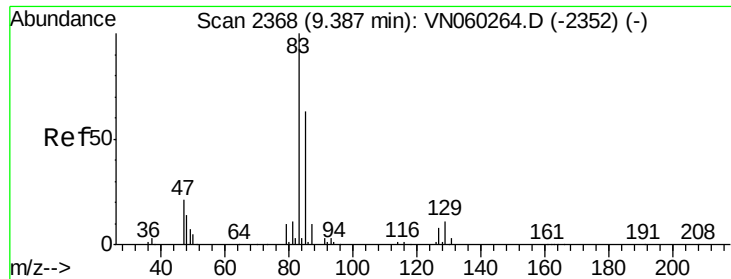
MMDadoda  
 3/18/2020 5:34:56 PM



#46  
 Dibromomethane  
 Concen: 49.978 ug/l  
 RT: 9.19 min Scan# 2306  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 84.1  | 65.9  | 98.9  |
| 174     | 99.4  | 79.6  | 119.4 |





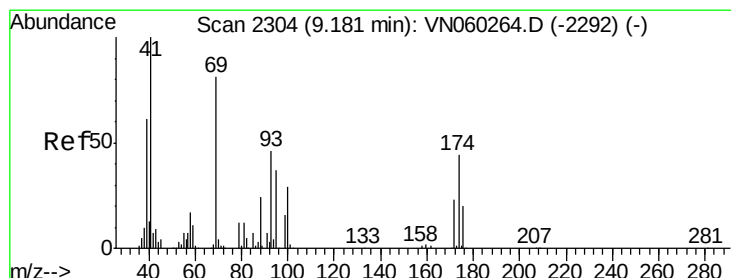
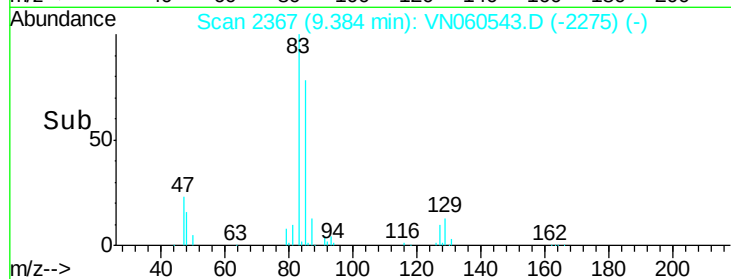
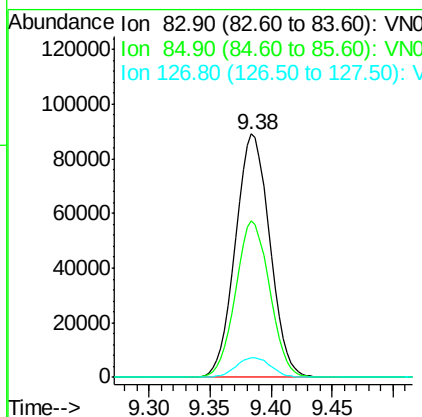
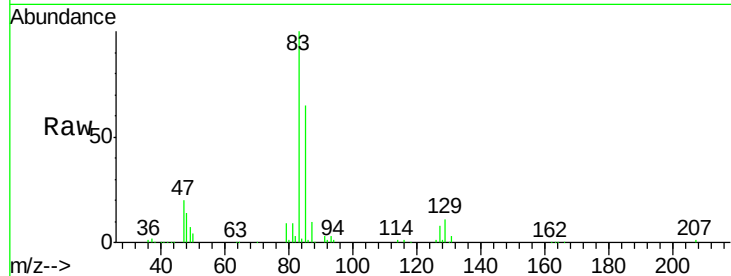
#47  
Bromodichloromethane  
Concen: 53.167 ug/l  
RT: 9.38 min Scan# 2367  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 83   | Resp  | 173730 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 64.6 | 50.7  | 76.1   |
| 127       | 8.0  | 6.8   | 10.2   |

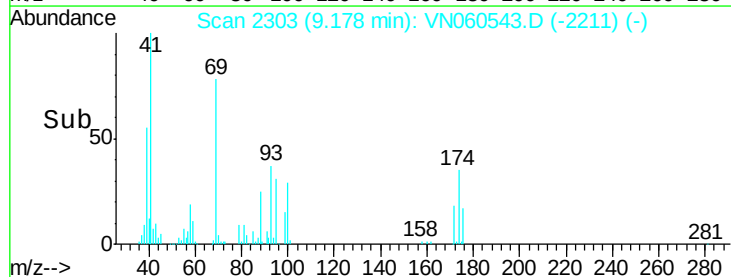
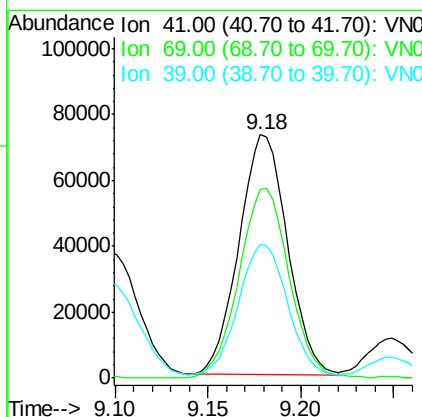
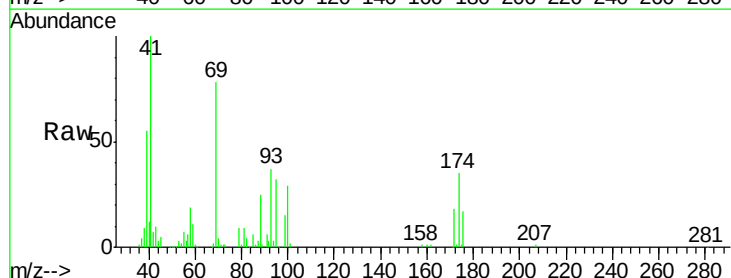
Manual Integrations  
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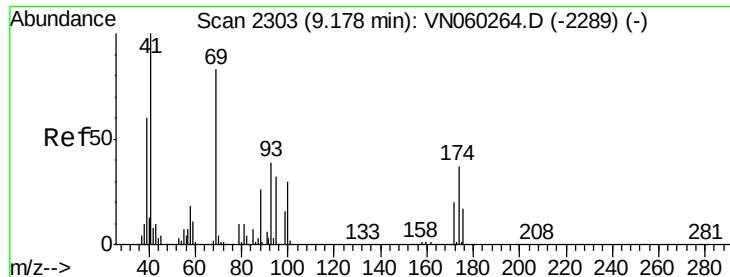
MMDadoda  
3/18/2020 5:34:56 PM



#48  
Methyl methacrylate  
Concen: 54.346 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion   | 41   | Resp  | 133669 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 69        | 81.4 | 66.7  | 100.1  |
| 39        | 57.3 | 50.1  | 75.1   |





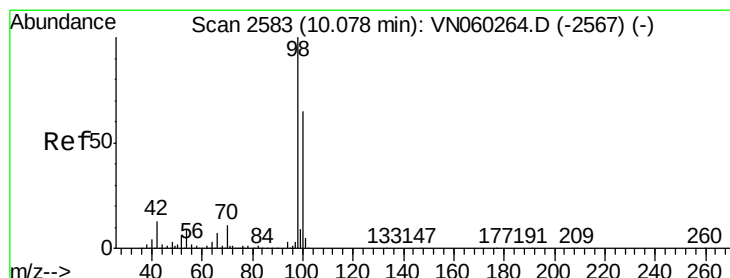
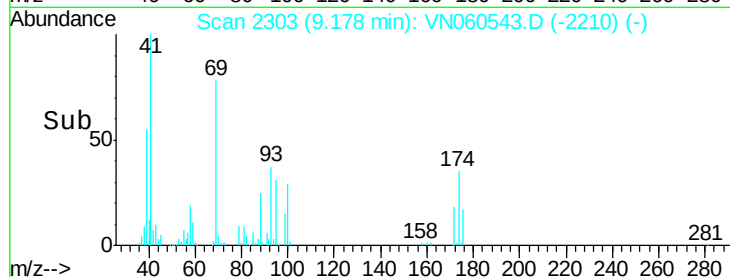
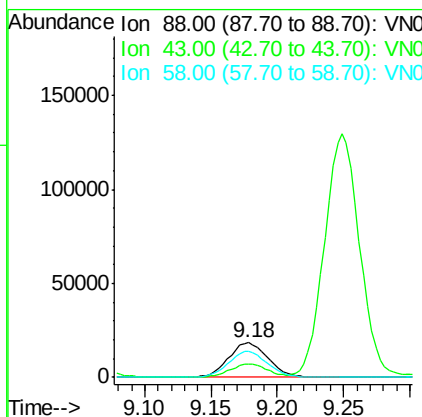
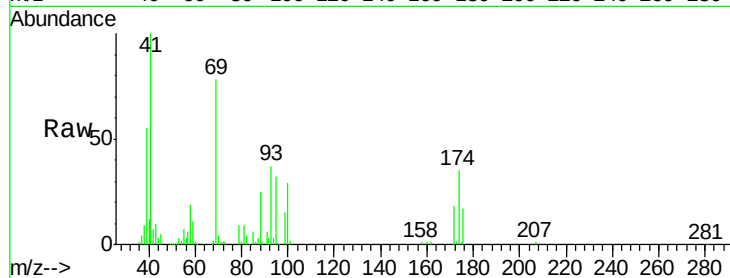
#49  
1,4-Dioxane  
Concen: 1108.578 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.0  | 30.4  | 45.6  |
| 58      | 72.9  | 57.0  | 85.6  |

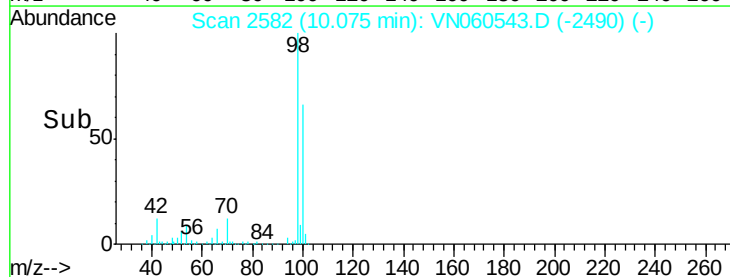
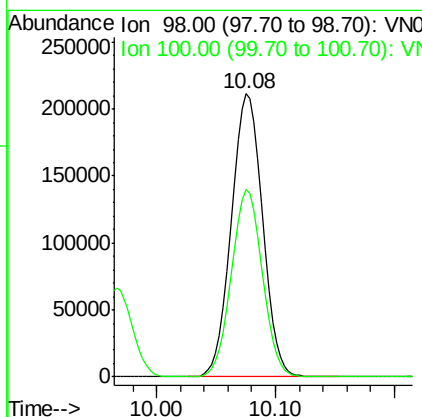
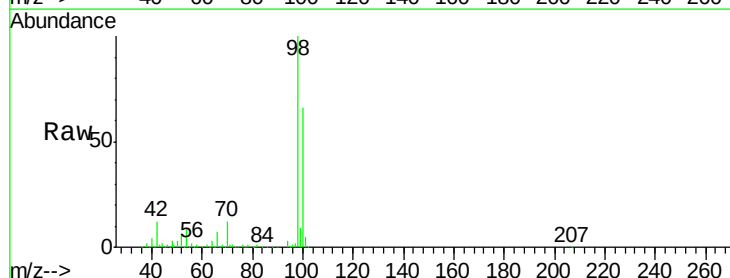
Manual Integrations  
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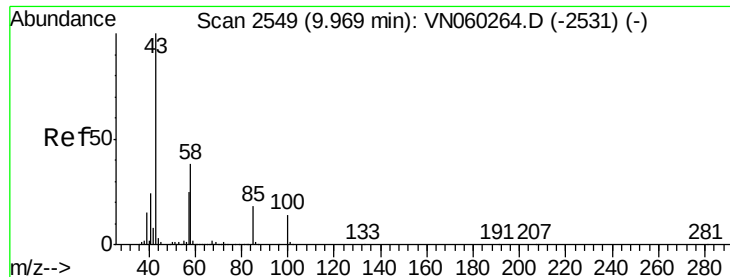
MMDadoda  
3/18/2020 5:34:56 PM



#50  
Toluene-d8  
Concen: 47.994 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.5  | 52.2  | 78.2  |





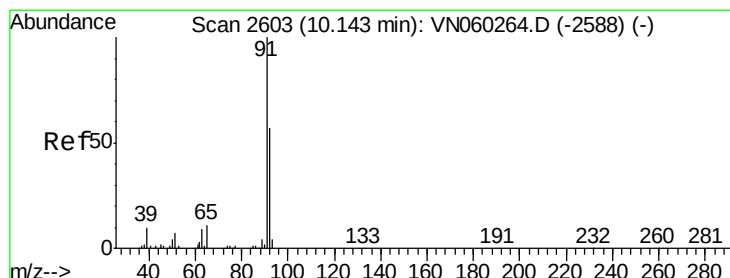
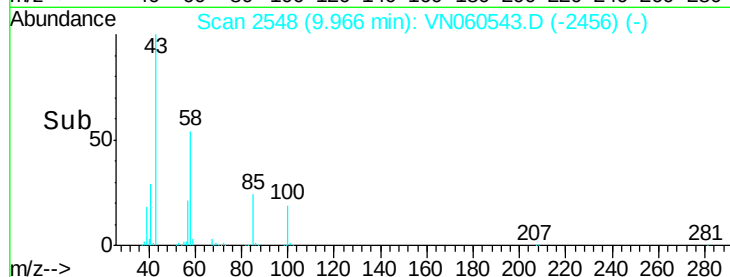
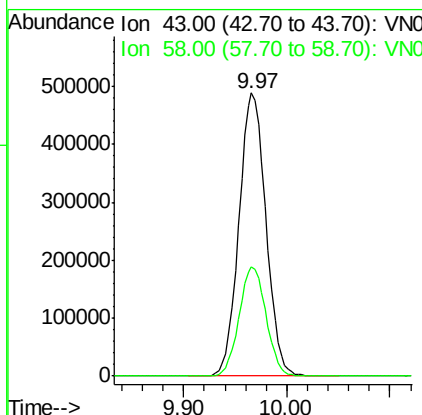
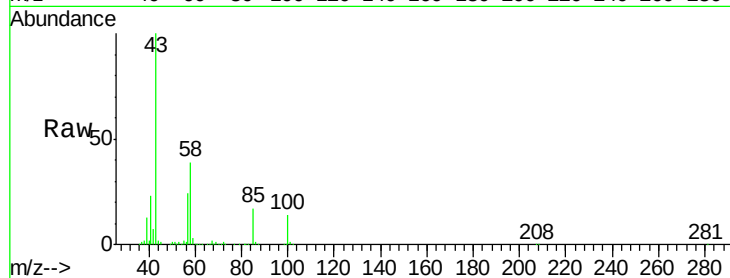
#51  
 4-Methyl-2-Pentanone  
 Concen: 290.009 ug/l  
 RT: 9.97 min Scan# 2548  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 38.7  | 30.9  | 46.3  |

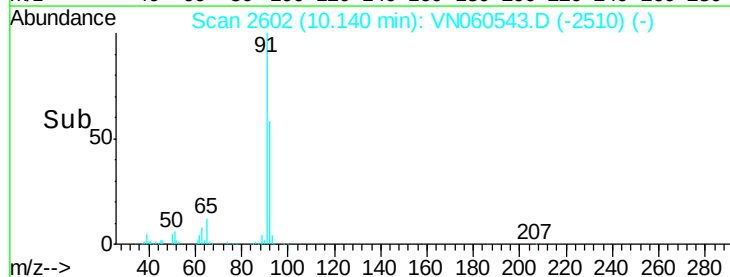
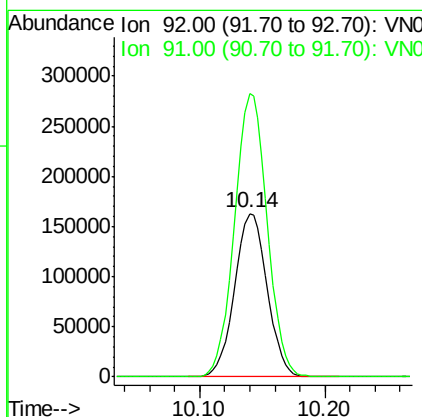
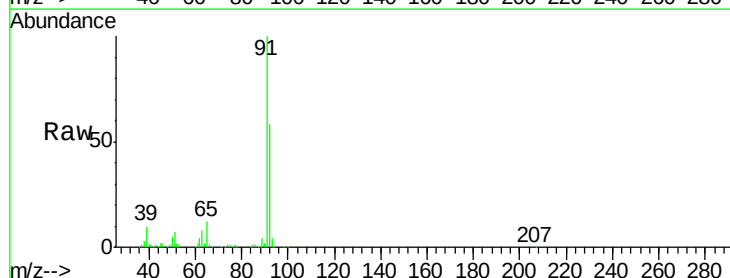
Manual Integrations  
 APPROVED

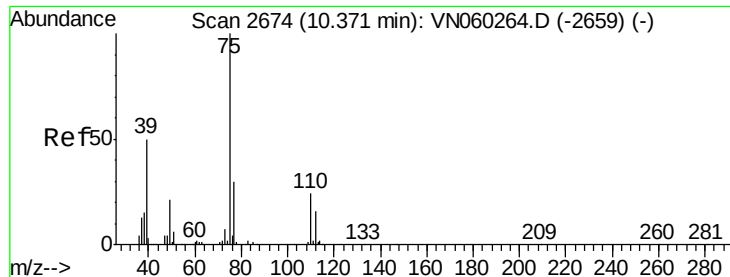
MMDadoda  
 3/18/2020 5:34:56 PM



#52  
 Toluene  
 Concen: 49.401 ug/l  
 RT: 10.14 min Scan# 2602  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 173.5 | 138.1 | 207.1 |





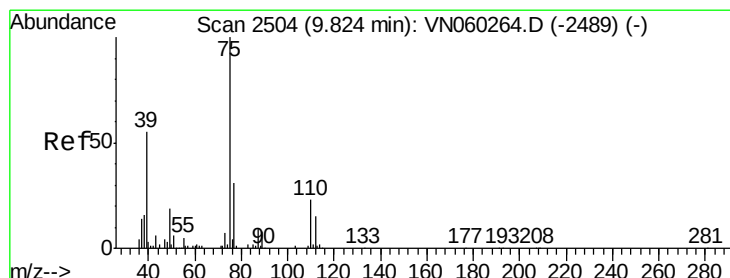
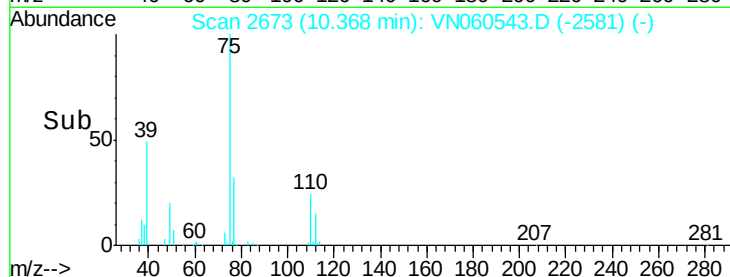
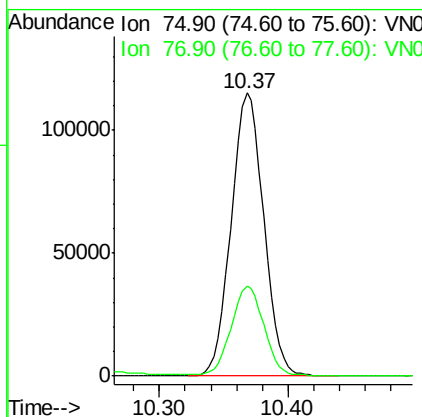
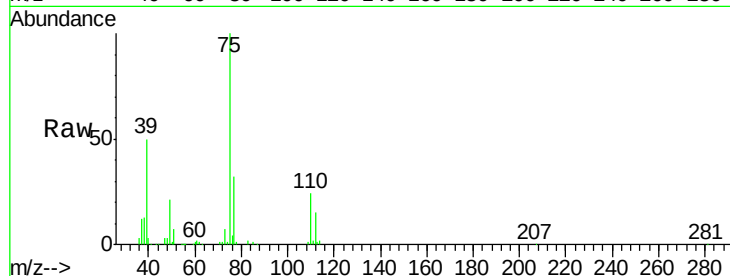
#53  
t-1,3-Dichloropropene  
Concen: 50.537 ug/l  
RT: 10.37 min Scan# 2673  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 24.8  | 37.2  |

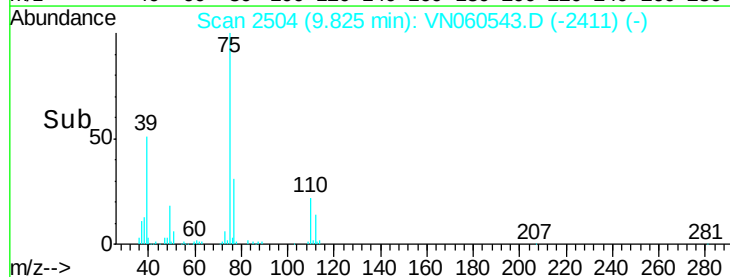
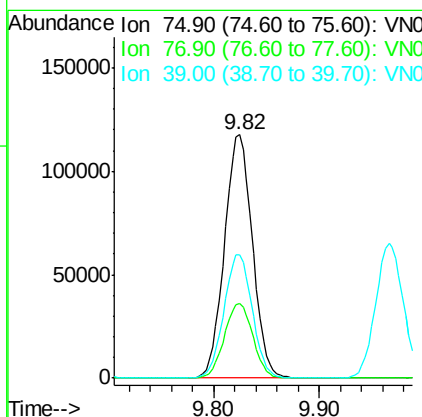
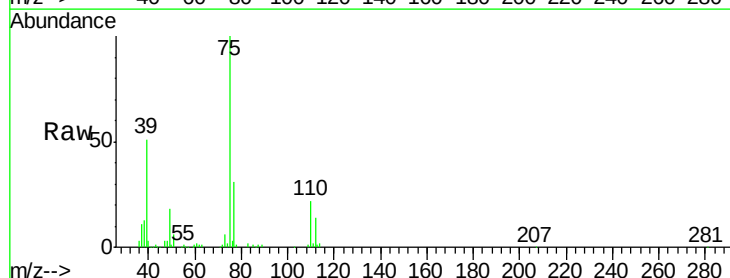
Manual Integrations  
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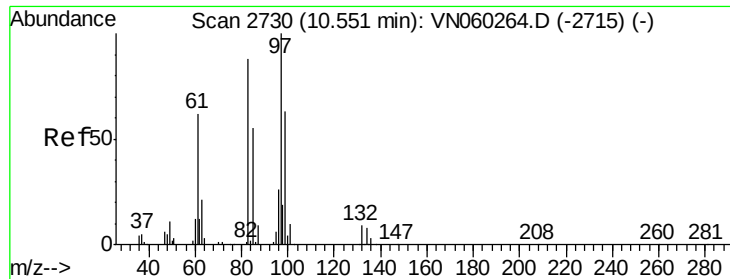


#54  
cis-1,3-Dichloropropene  
Concen: 52.044 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.7  | 24.8  | 37.2  |
| 39      | 50.8  | 43.8  | 65.8  |







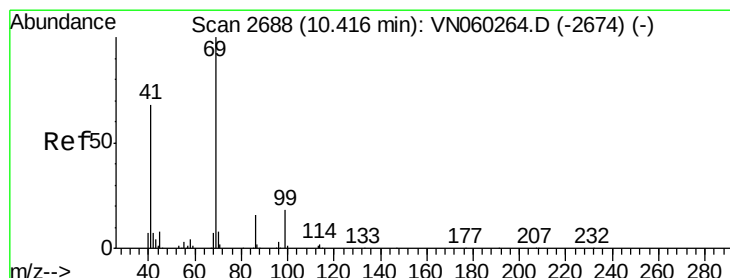
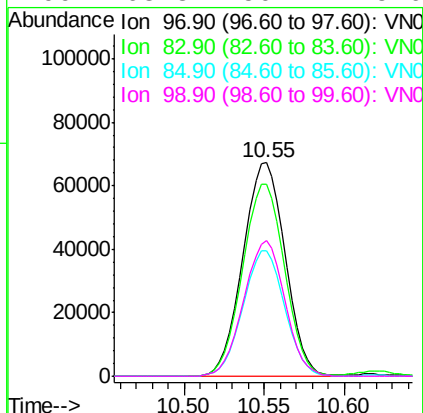
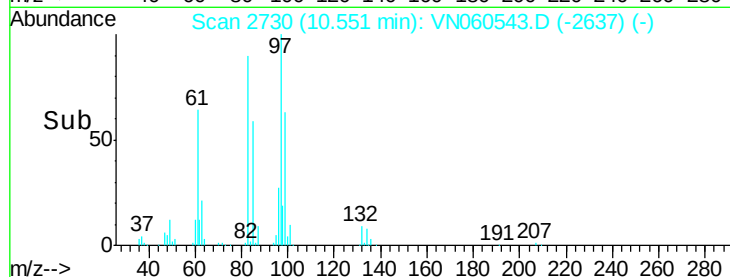
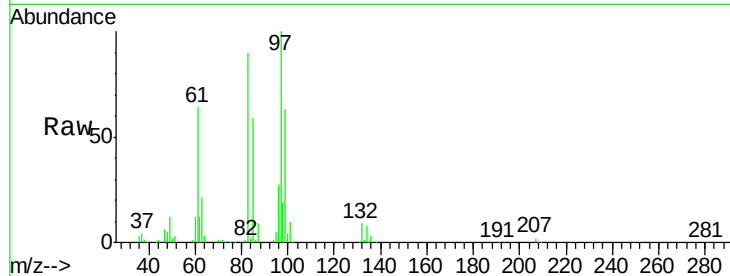
#55  
 1,1,2-Trichloroethane  
 Concen: 50.807 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 121546 |       |       |
| 83      | 89.7 | 70.0  | 105.0  |       |       |
| 85      | 59.0 | 44.0  | 66.0   |       |       |
| 99      | 63.3 | 50.4  | 75.6   |       |       |

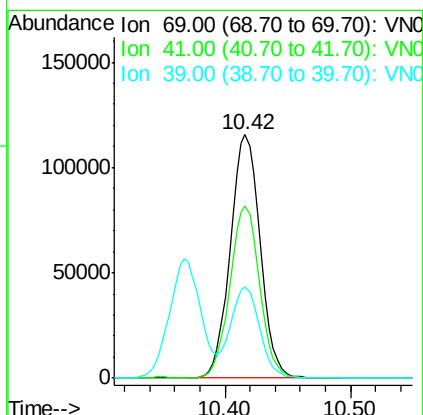
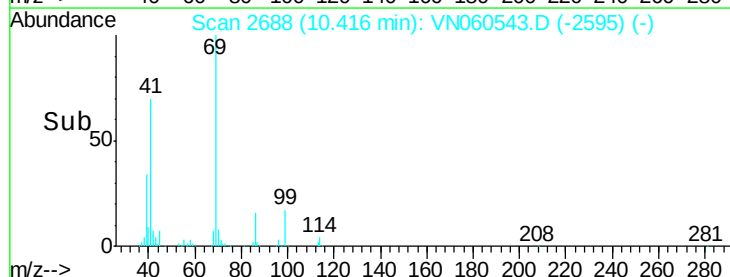
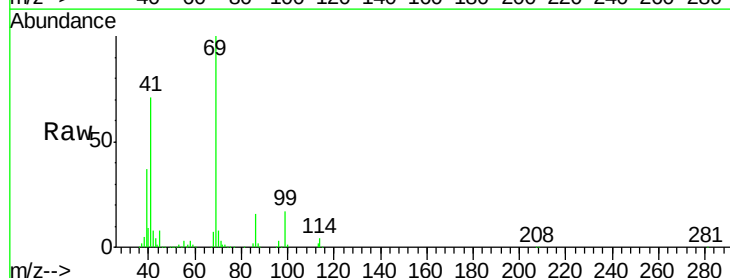
Manual Integrations  
 APPROVED

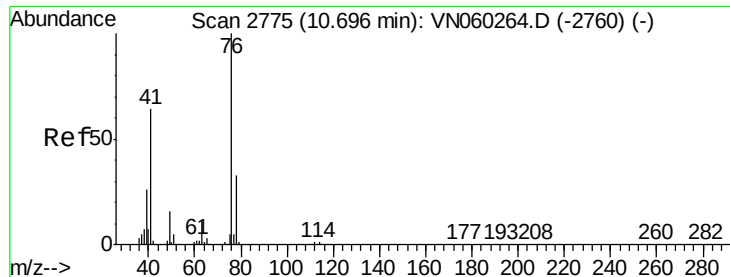
MMDadoda  
 3/18/2020 5:34:56 PM



#56  
 Ethyl methacrylate  
 Concen: 55.602 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. 0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 191099 |       |       |
| 41      | 70.1 | 54.1  | 81.1   |       |       |
| 39      | 36.6 | 32.5  | 48.7   |       |       |





#57

1,3-Dichloropropane

Concen: 53.507 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 208753

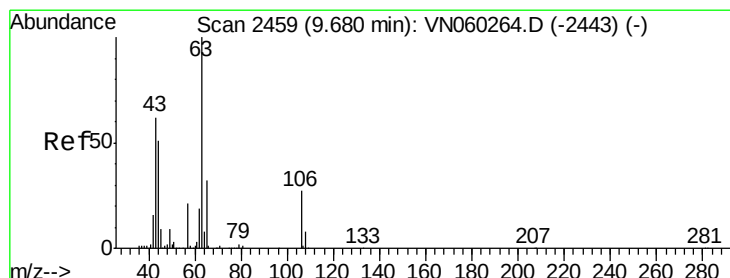
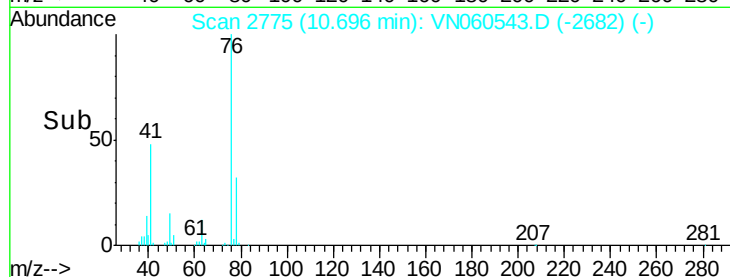
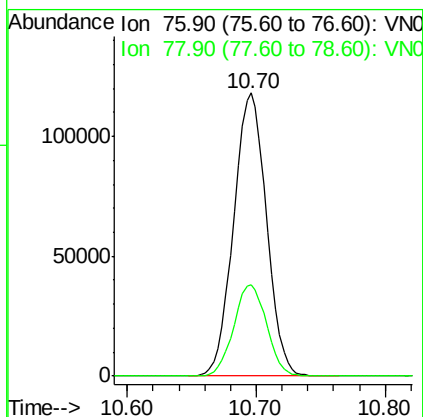
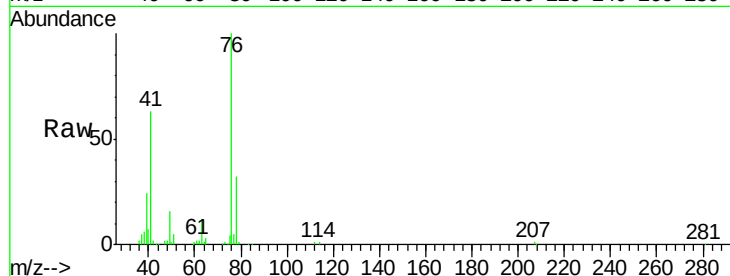
Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.2

Manual Integrations  
APPROVED

MMDadoda  
3/18/2020 5:34:56 PM



#58

2-Chloroethyl Vinyl ether

Concen: 272.159 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060543.D

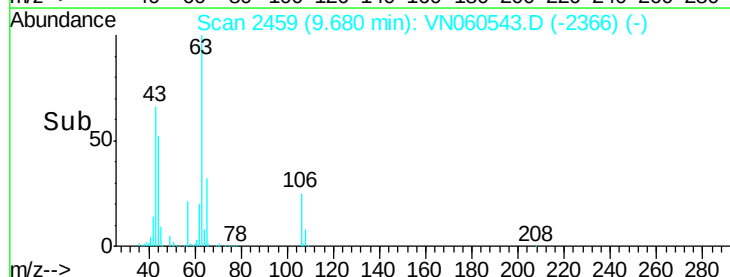
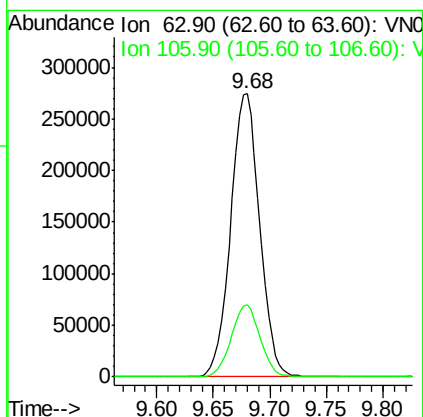
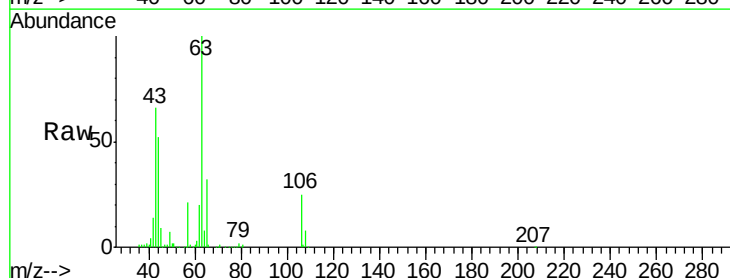
Acq: 17 Mar 2020 9:25

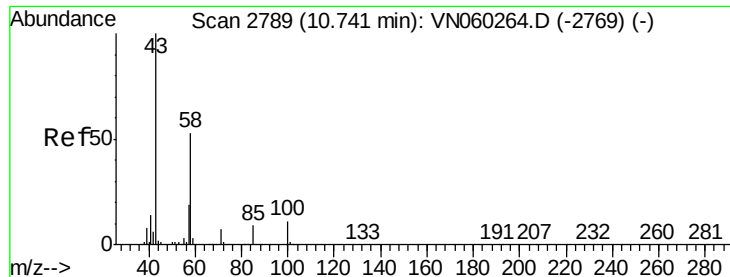
Tgt Ion: 63 Resp: 489214

Ion Ratio Lower Upper

63 100

106 25.4 21.1 31.7





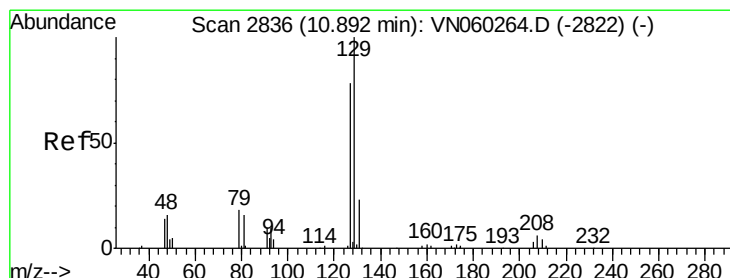
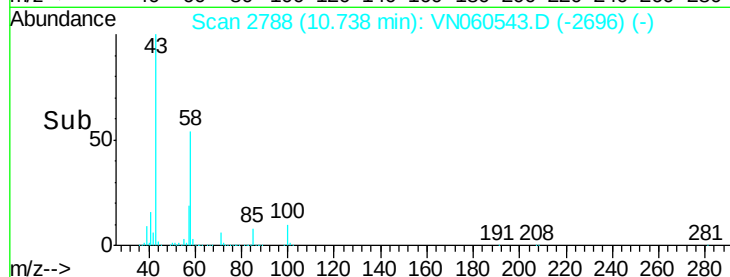
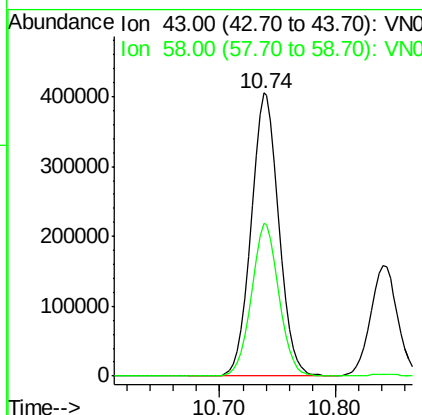
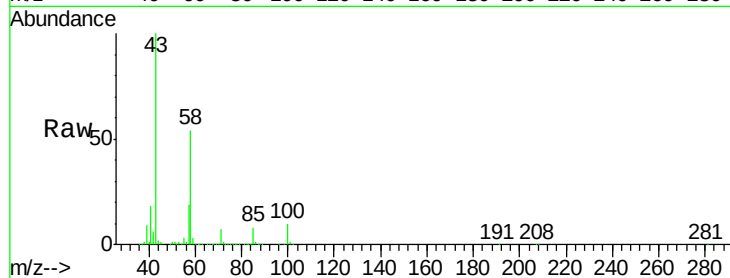
#59  
2-Hexanone  
Concen: 300.679 ug/l  
RT: 10.74 min Scan# 2788  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 53.4  | 26.5  | 79.5  |

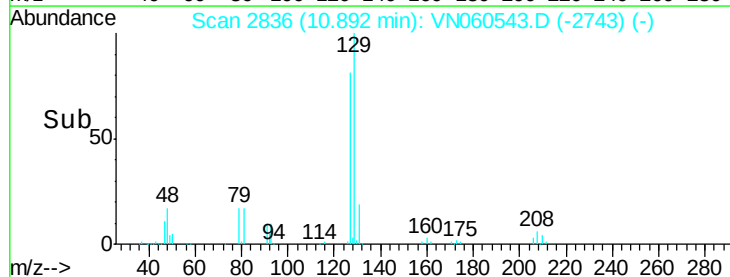
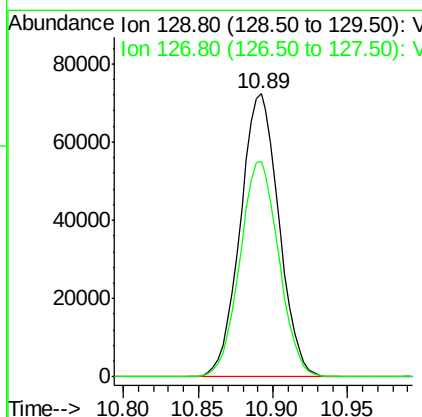
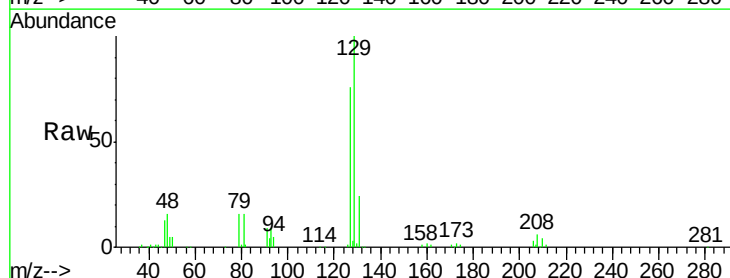
Manual Integrations  
APPROVED

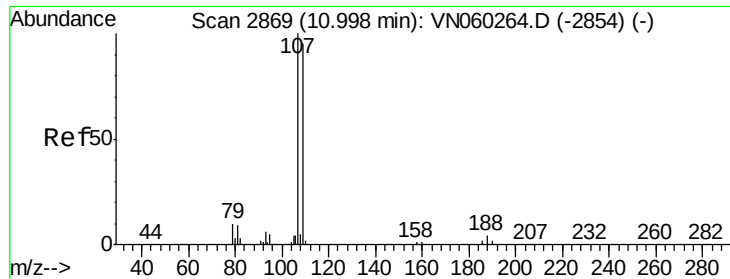
MMDadoda  
3/18/2020 5:34:56 PM



#60  
Dibromochloromethane  
Concen: 53.383 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.6  | 38.9  | 116.7 |





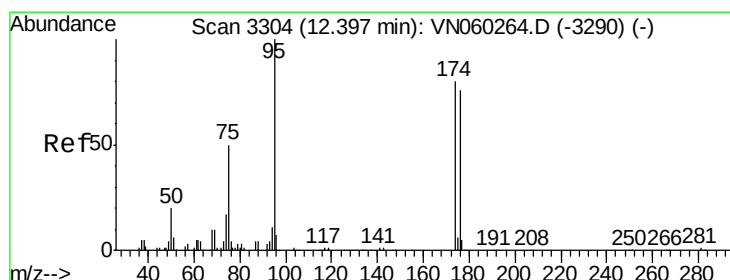
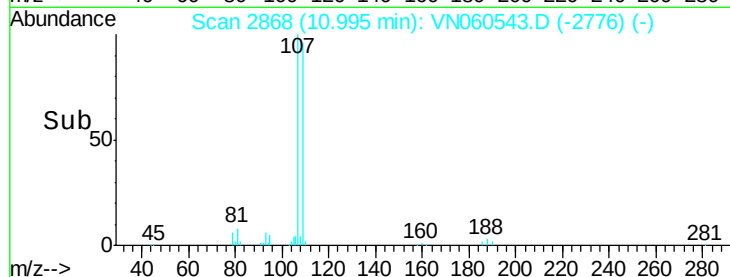
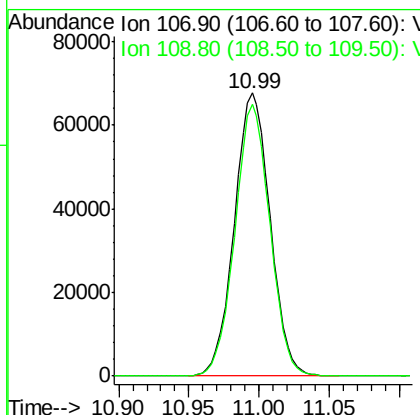
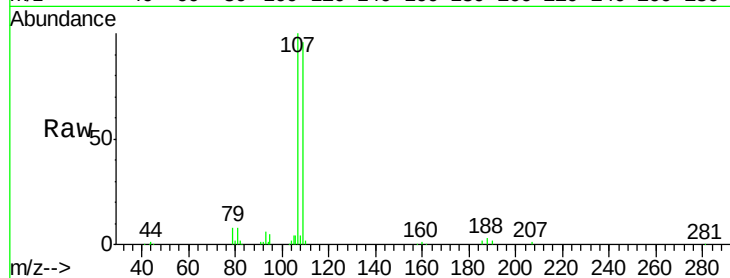
#61  
 1,2-Dibromoethane  
 Concen: 51.746 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.7  | 76.8  | 115.2 |

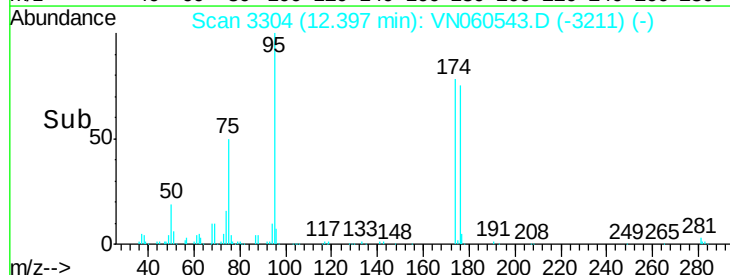
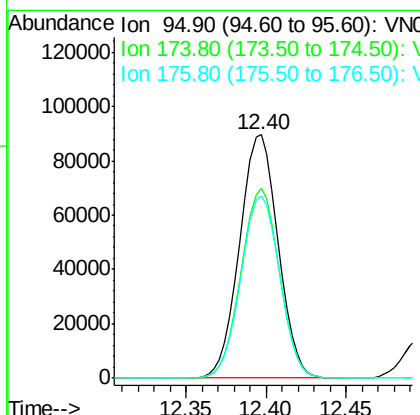
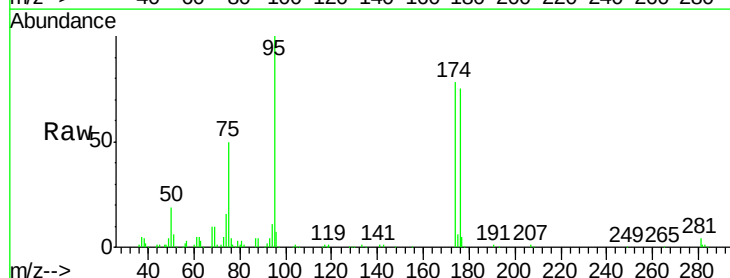
Manual Integrations  
 APPROVED

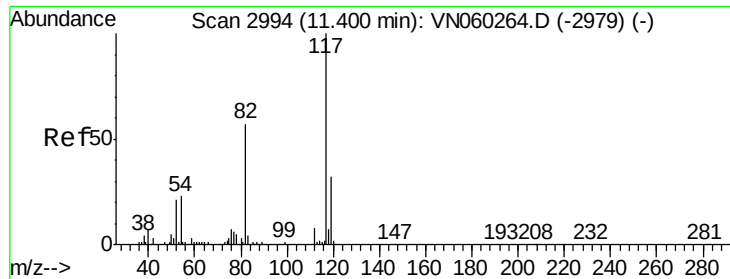
MMDadoda  
 3/18/2020 5:34:56 PM



#62  
 4-Bromofluorobenzene  
 Concen: 48.242 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 77.7  | 0.0   | 159.2 |
| 176     | 75.5  | 0.0   | 153.8 |





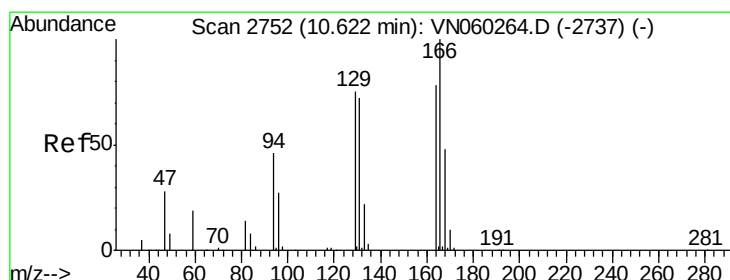
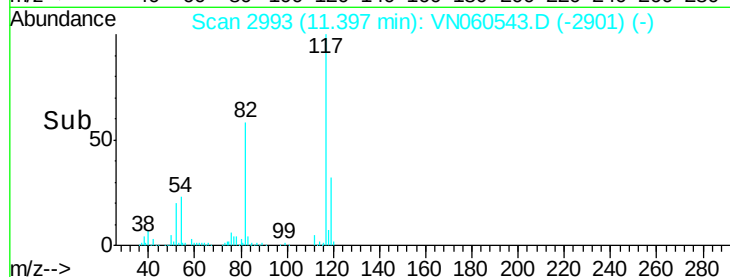
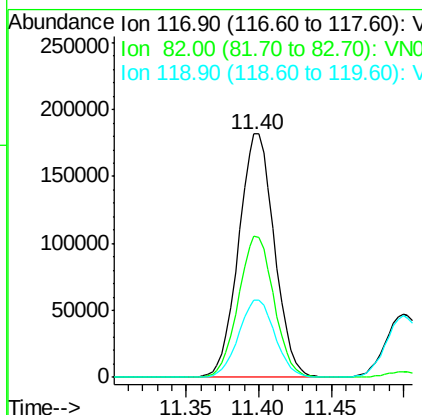
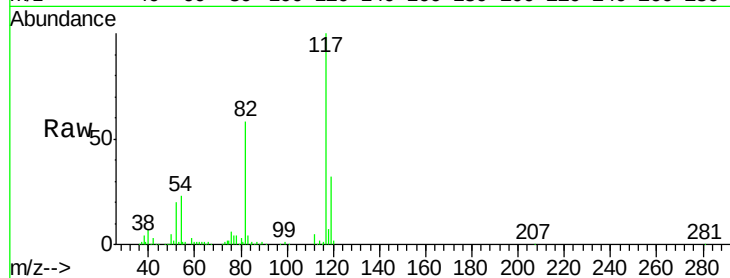
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2993  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 312196 |       |       |
| 82      | 57.9  | 45.8   | 68.6  |       |
| 119     | 31.8  | 25.8   | 38.8  |       |

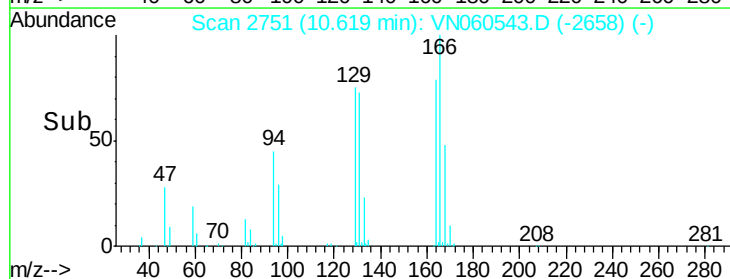
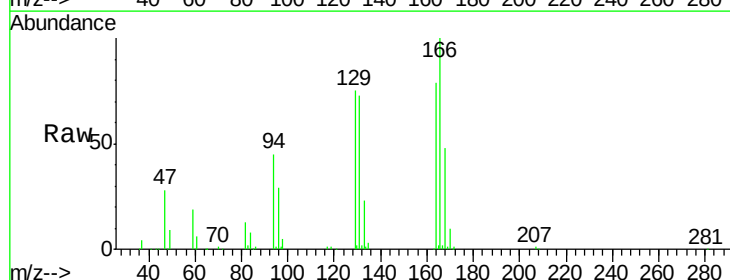
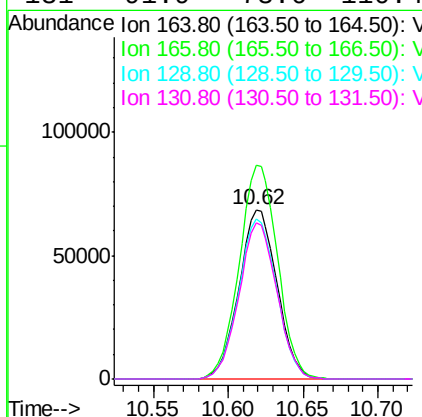
Manual Integrations  
APPROVED

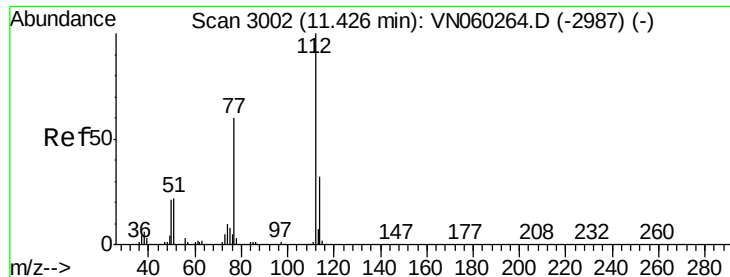
MMDadoda  
3/18/2020 5:34:56 PM



#64  
Tetrachloroethene  
Concen: 49.281 ug/l  
RT: 10.62 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 121187 |       |       |
| 166     | 126.0 | 102.0  | 153.0 |       |
| 129     | 94.0  | 76.4   | 114.6 |       |
| 131     | 91.9  | 73.6   | 110.4 |       |





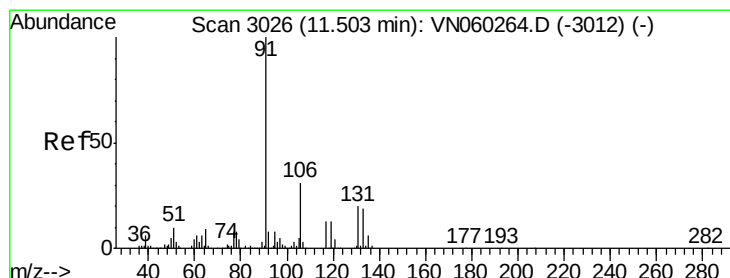
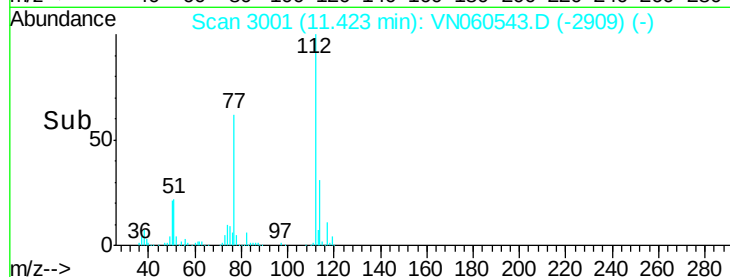
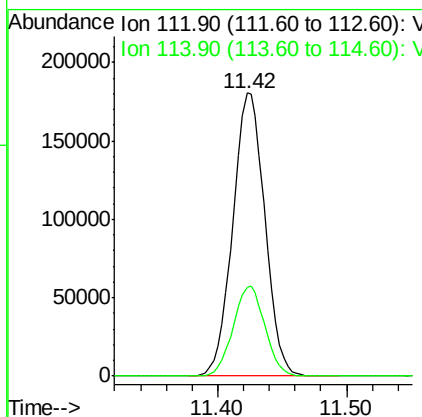
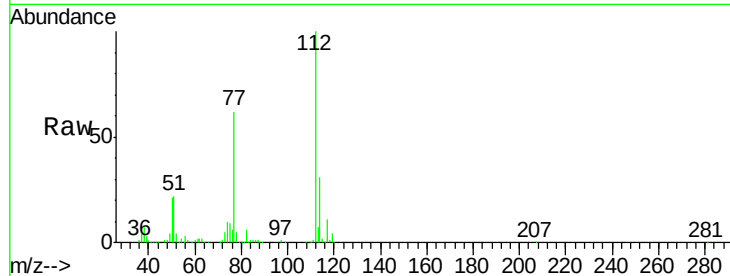
#65  
Chlorobenzene  
Concen: 49.380 ug/l  
RT: 11.42 min Scan# 3001  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.4  | 25.4  | 38.0  |

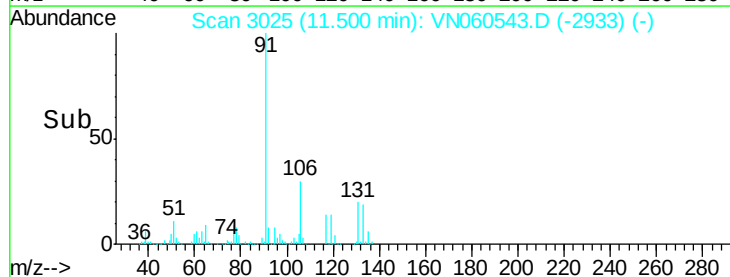
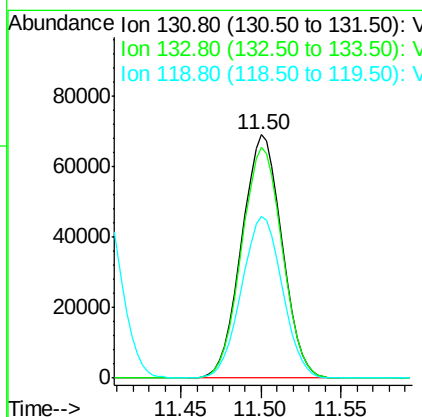
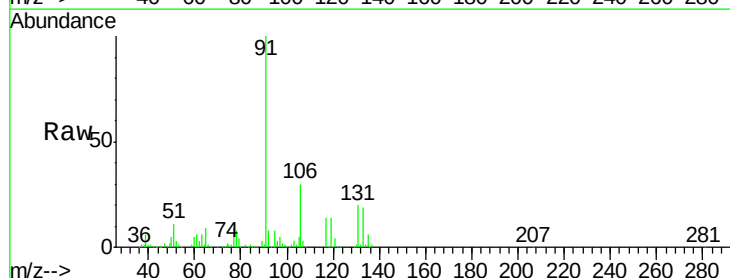
Manual Integrations  
APPROVED

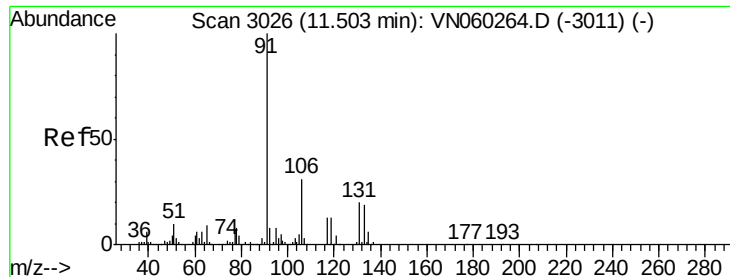
MMDadoda  
3/18/2020 5:34:56 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.298 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.5  | 47.7  | 143.1 |
| 119     | 66.9  | 33.2  | 99.6  |





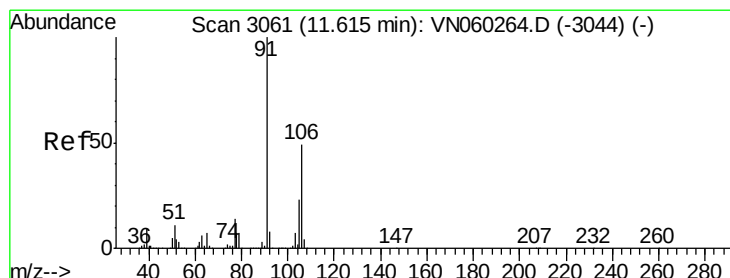
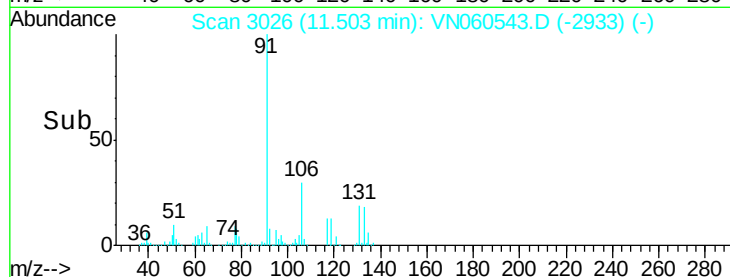
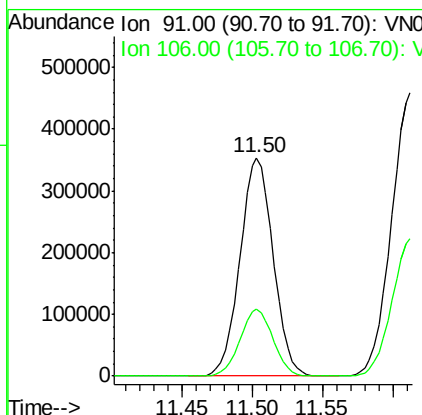
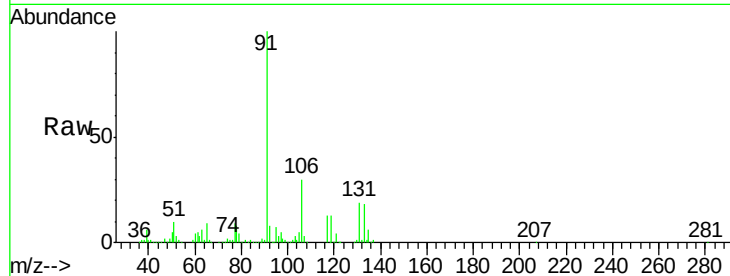
#67  
Ethyl Benzene  
Concen: 50.803 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 583223  
Ion Ratio Lower Upper  
91 100  
106 30.4 24.7 37.1

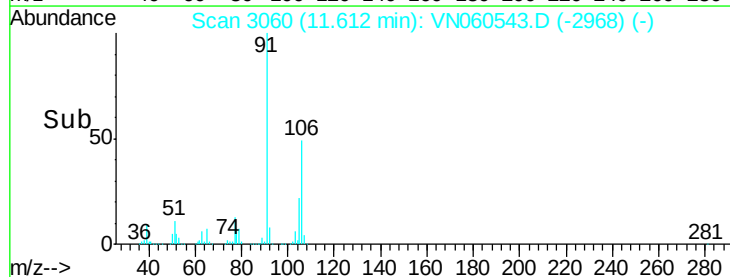
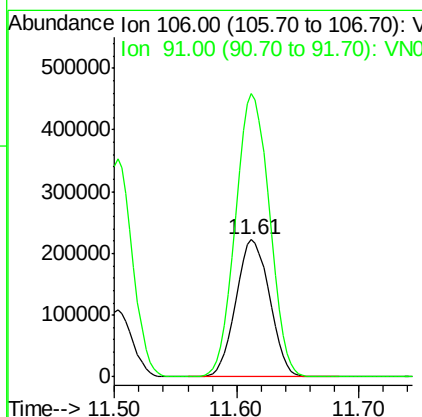
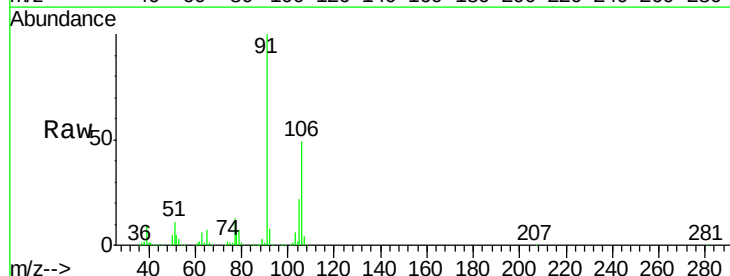
Manual Integrations  
APPROVED

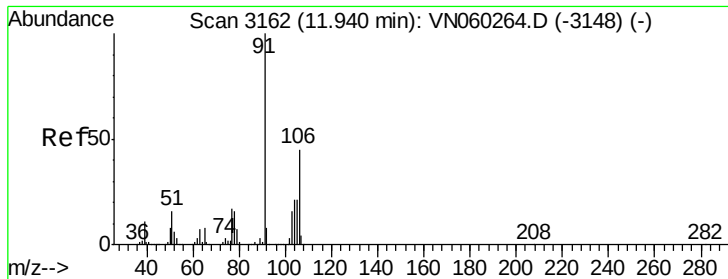
MMDadoda  
3/18/2020 5:34:56 PM



#68  
m/p-Xylenes  
Concen: 98.219 ug/l  
RT: 11.61 min Scan# 3060  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Tgt Ion: 106 Resp: 425421  
Ion Ratio Lower Upper  
106 100  
91 207.5 164.5 246.7





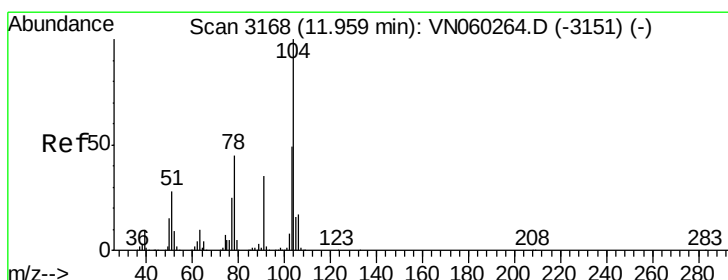
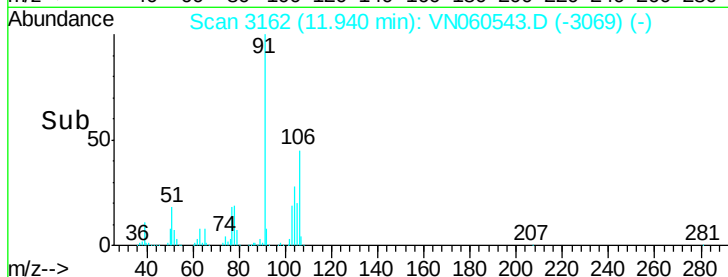
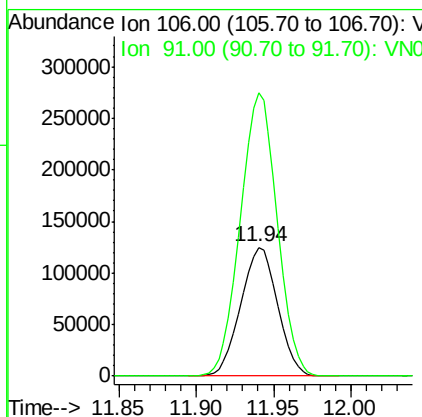
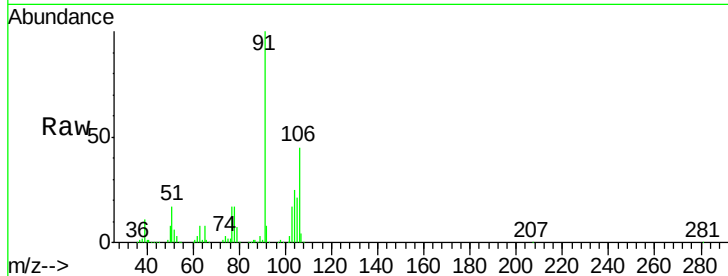
#69  
o-Xylene  
Concen: 50.359 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 218.7 | 109.5 | 328.4 |

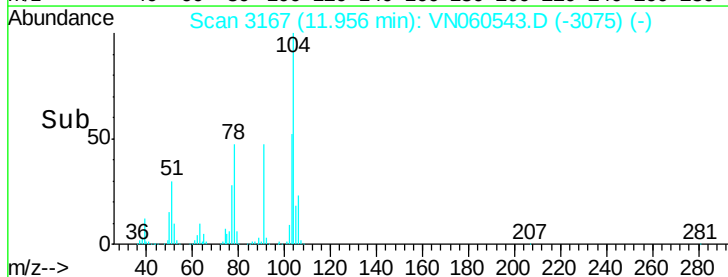
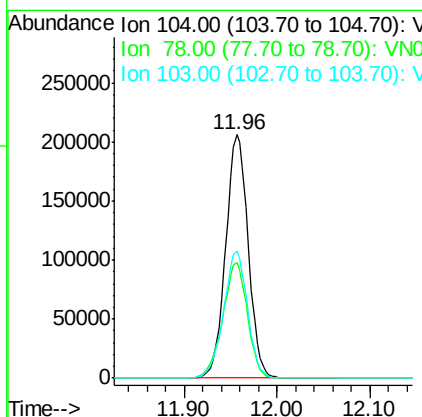
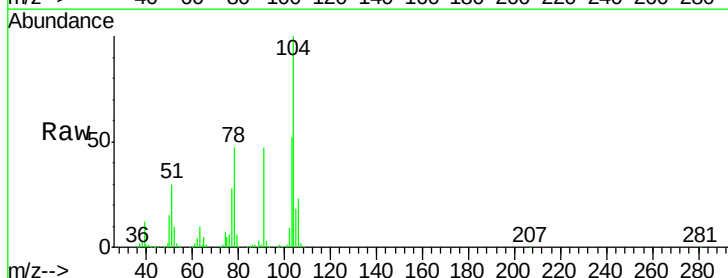
Manual Integrations  
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3/18/2020 5:34:56 PM

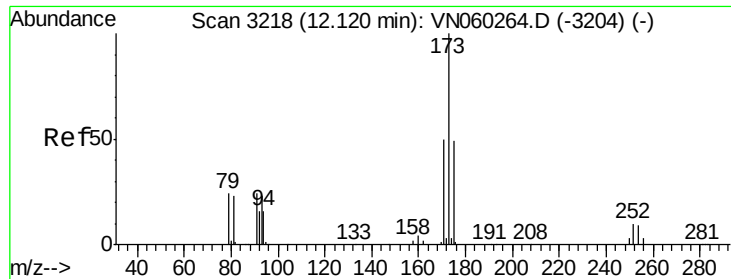


#70  
Styrene  
Concen: 51.041 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.6  | 41.2  | 61.8  |
| 103     | 55.5  | 43.9  | 65.9  |







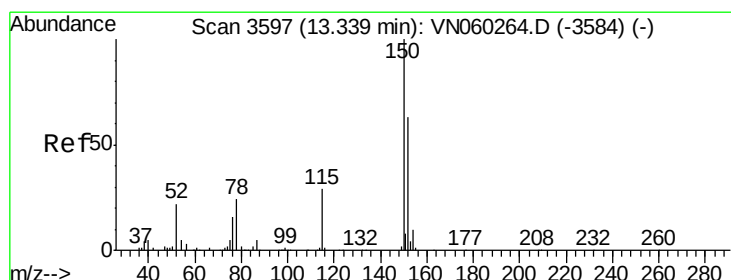
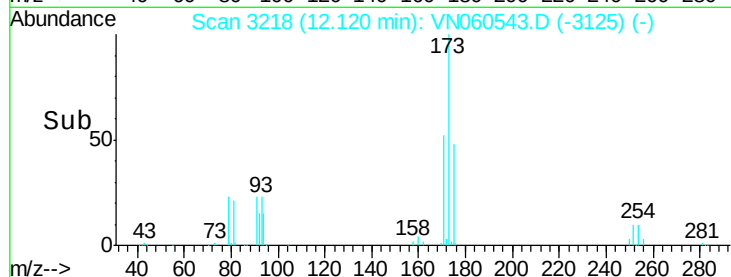
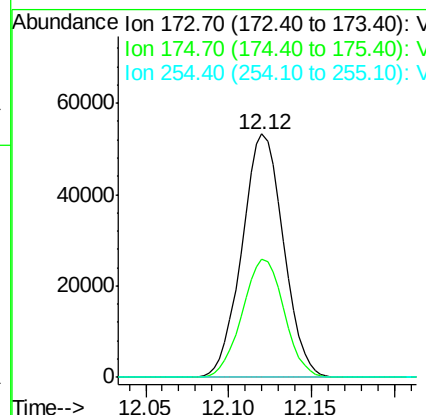
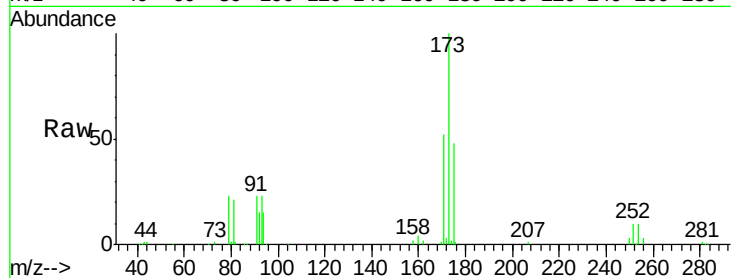
#71  
Bromoform  
Concen: 55.342 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.9  | 24.1  | 72.2  |
| 254     | 0.0   | 0.0   | 0.0   |

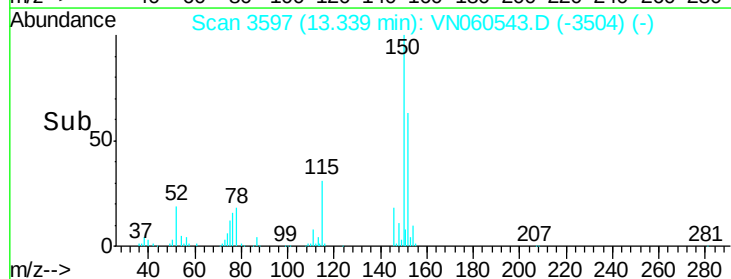
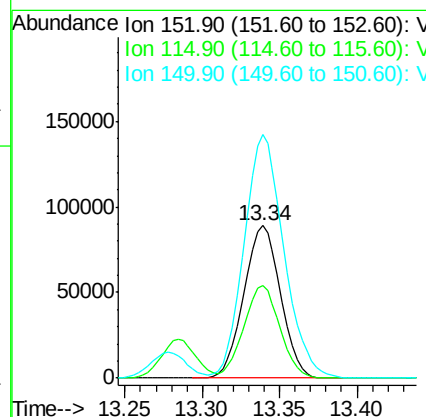
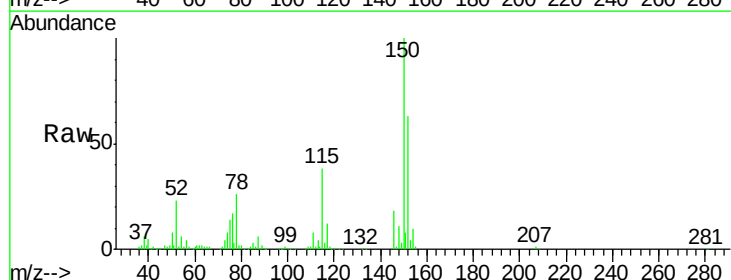
Manual Integrations  
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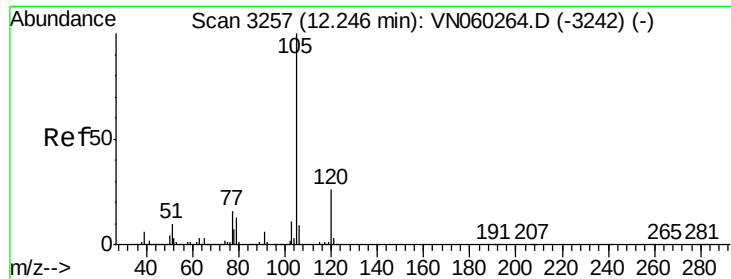
MMDadoda  
3/18/2020 5:34:56 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.5  | 30.0  | 90.0  |
| 150     | 173.1 | 0.0   | 349.6 |





#73

Isopropylbenzene

Concen: 51.662 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 562093

Ion Ratio Lower Upper

105 100

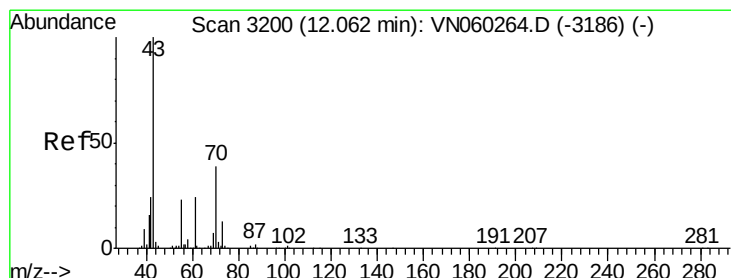
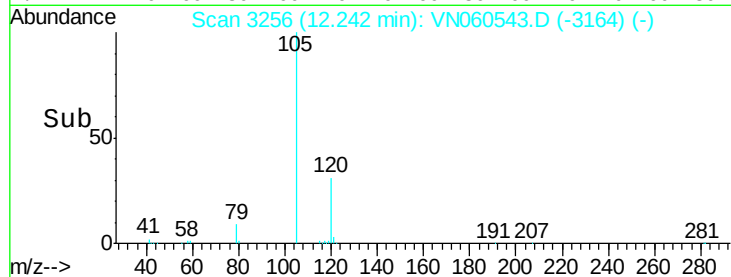
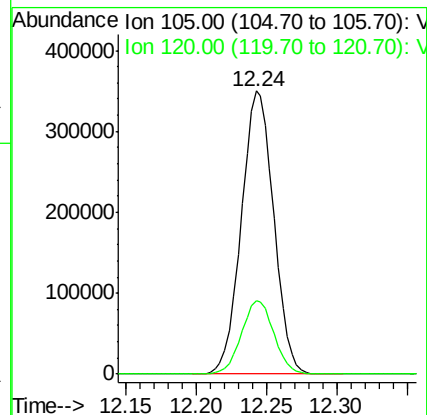
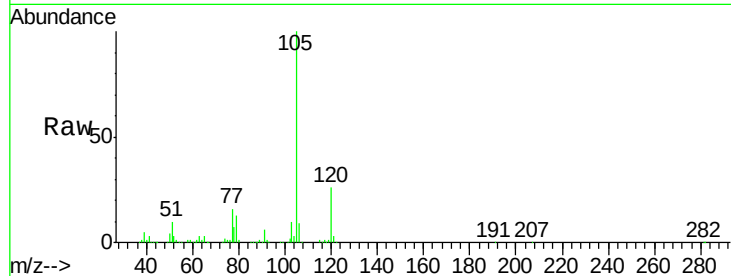
120 26.0 13.0 38.9

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#74

N-ethyl acetate

Concen: 55.455 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Tgt Ion: 43 Resp: 263655

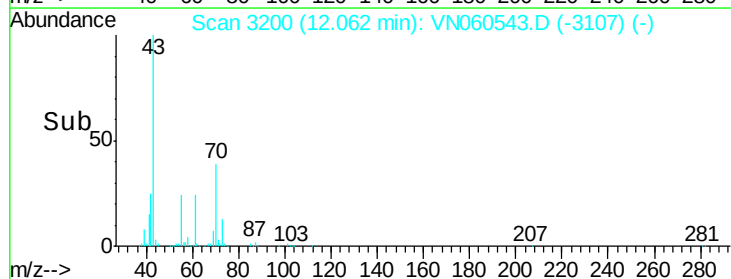
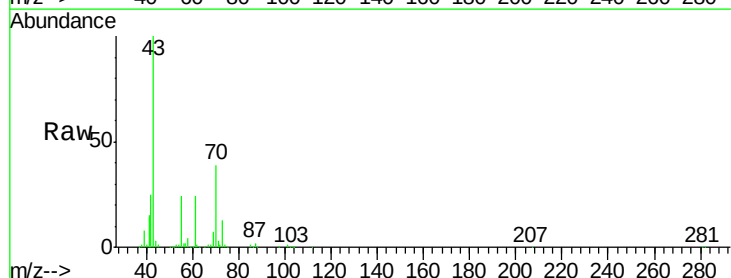
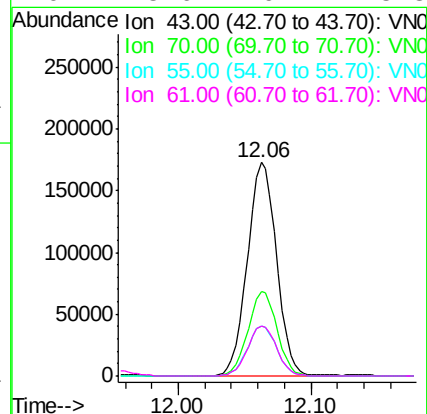
Ion Ratio Lower Upper

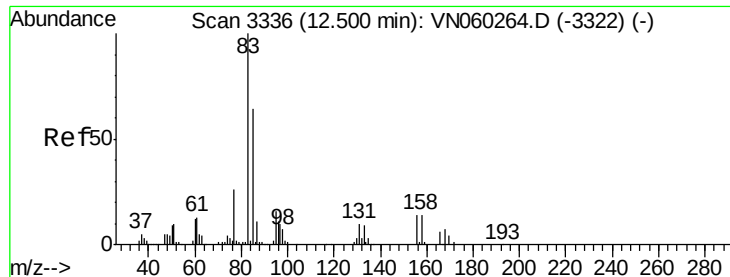
43 100

70 39.4 32.2 48.2

55 23.8 18.2 27.4

61 23.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 58.313 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

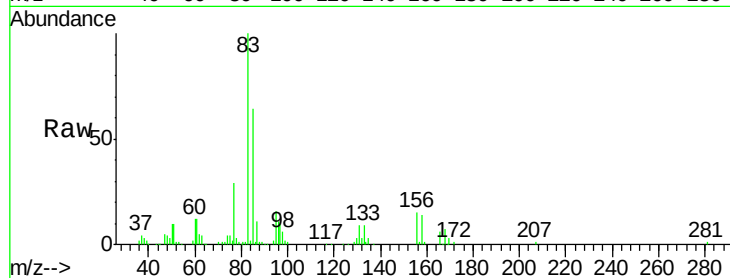
ClientSampleId :

VSTDCCC050

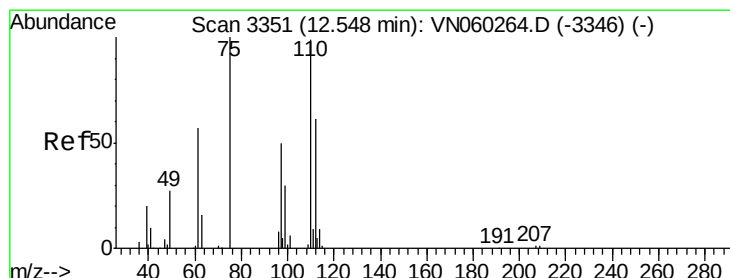
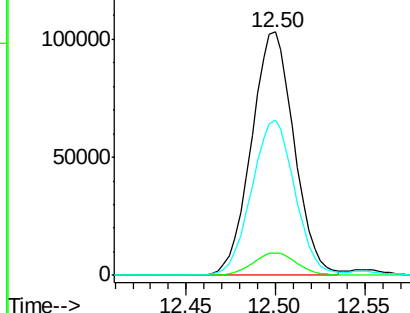
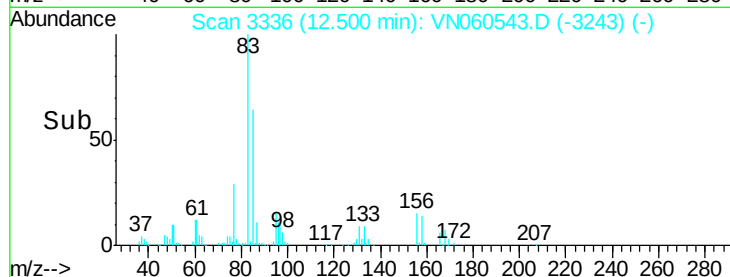
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 172462 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.7   | 5.1   | 15.3   |
| 85        | 64.3  | 32.3  | 96.8   |

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Abundance Ion 82.90 (82.60 to 83.60): VN060543.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 48.727 ug/l m

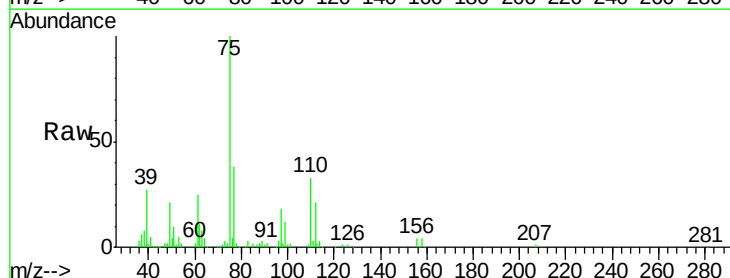
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

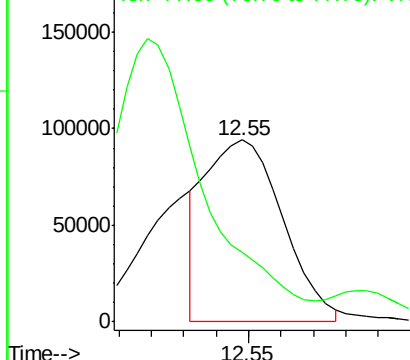
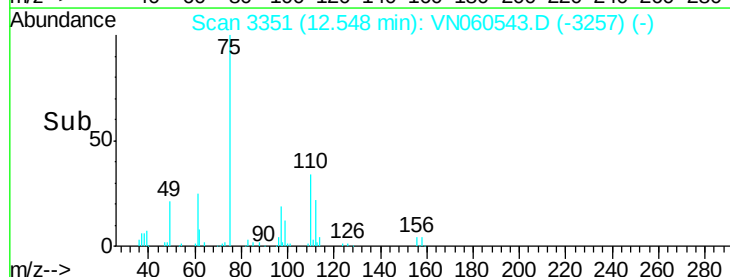
Lab File: VN060543.D

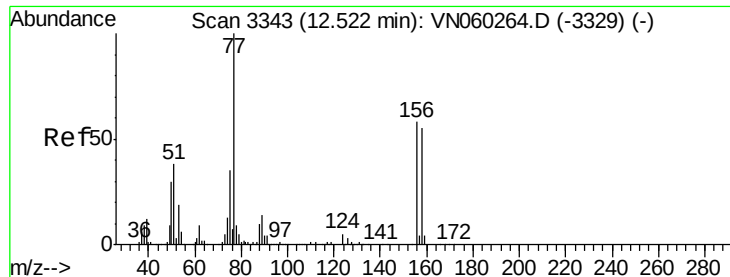
Acq: 17 Mar 2020 9:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 156934 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



Abundance Ion 74.90 (74.60 to 75.60): VN060543.D (-3257) (-)





#77

Bromobenzene

Concen: 50.012 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

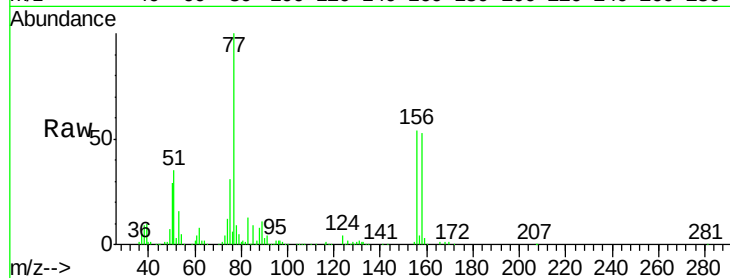
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 133384 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 225.2 | 106.1 | 318.3  |
| 158       | 98.9  | 48.3  | 144.8  |

Manual Integrations  
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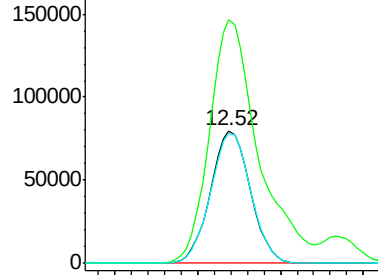
MMDadoda  
3/18/2020 5:34:56 PM



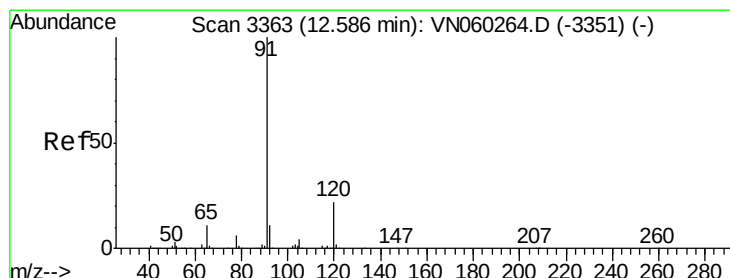
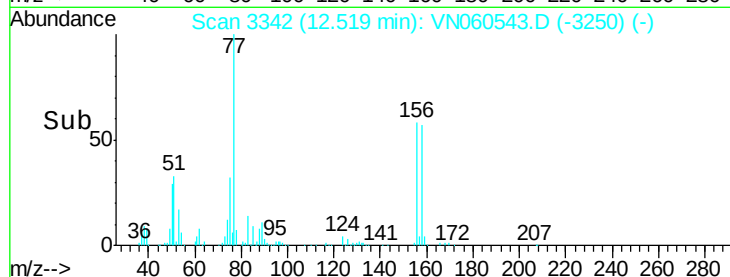
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 51.692 ug/l

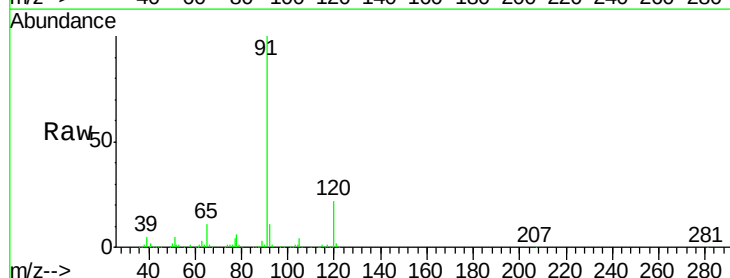
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060543.D

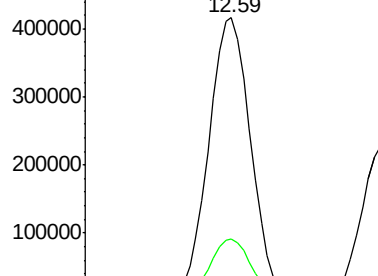
Acq: 17 Mar 2020 9:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 659260 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.1  | 11.3  | 33.9   |

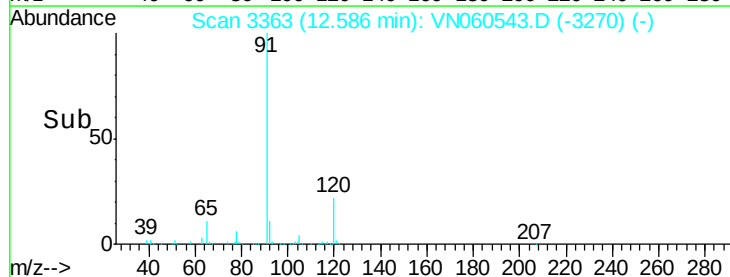


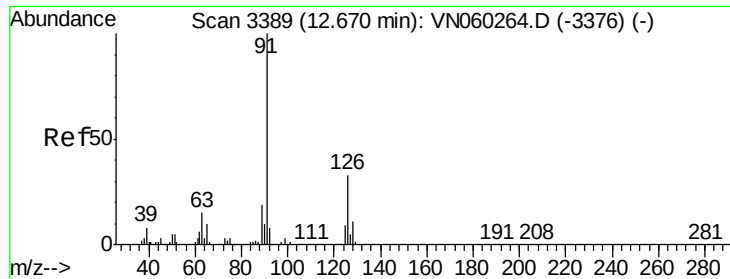
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





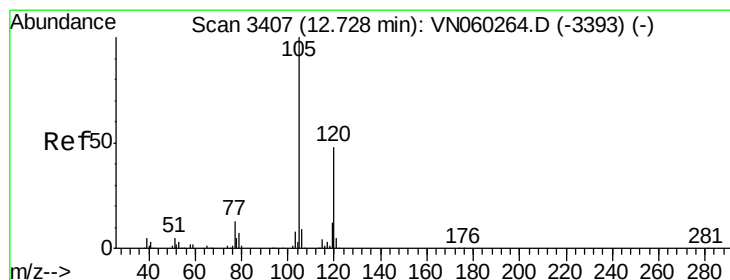
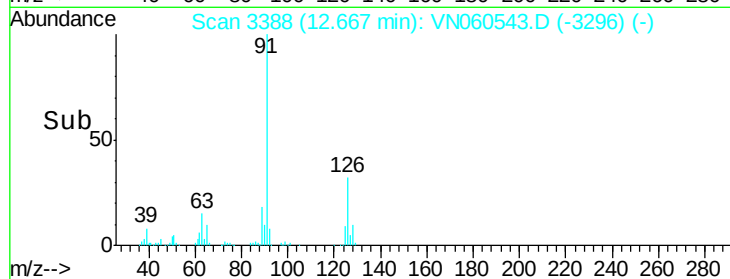
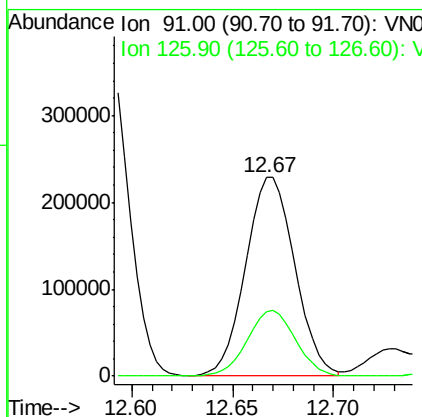
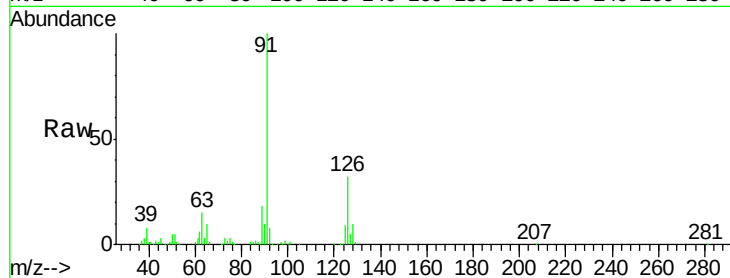
#79  
 2-Chlorotoluene  
 Concen: 51.865 ug/l  
 RT: 12.67 min Scan# 3389  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.5  | 16.6  | 49.8  |

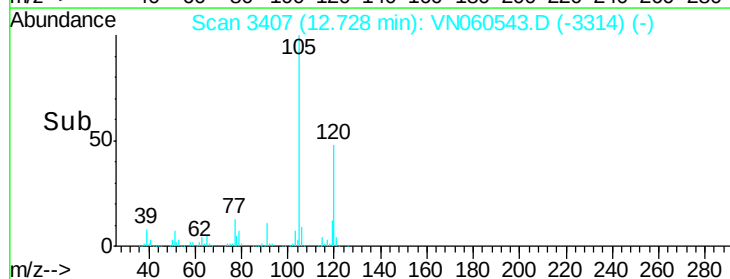
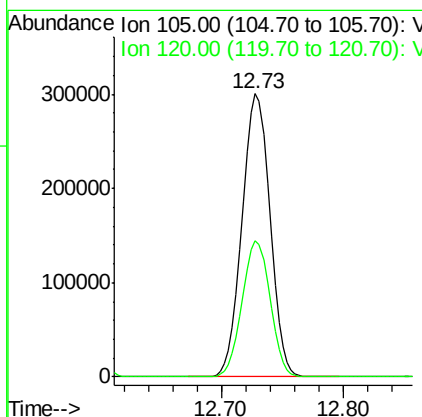
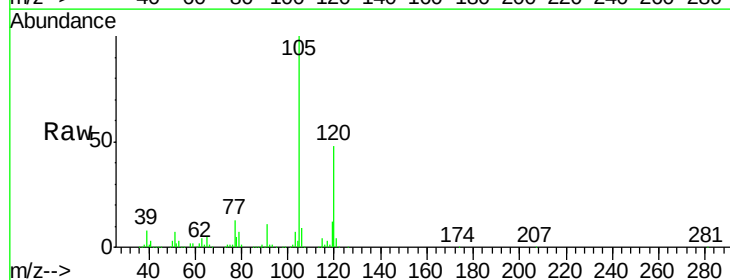
Manual Integrations  
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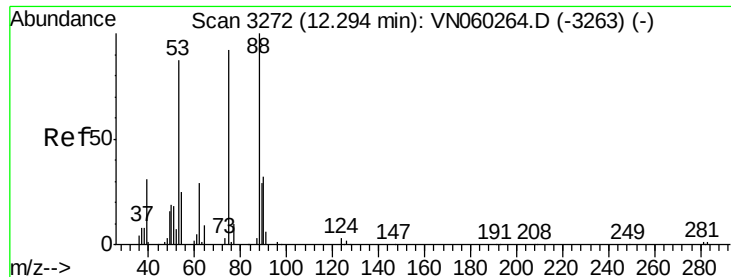
MMDadoda  
 3/18/2020 5:34:56 PM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 51.636 ug/l  
 RT: 12.73 min Scan# 3407  
 Delta R.T. 0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.2  | 24.1  | 72.4  |





#81

trans-1,4-Dichloro-2-butene

Concen: 57.007 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

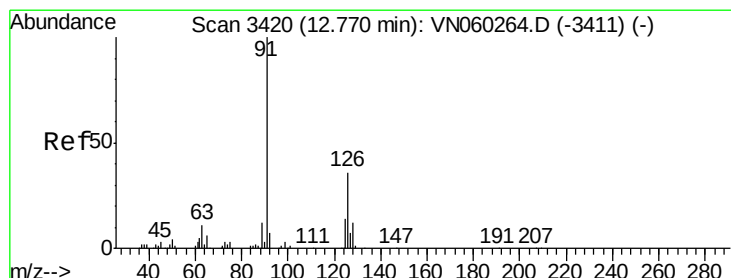
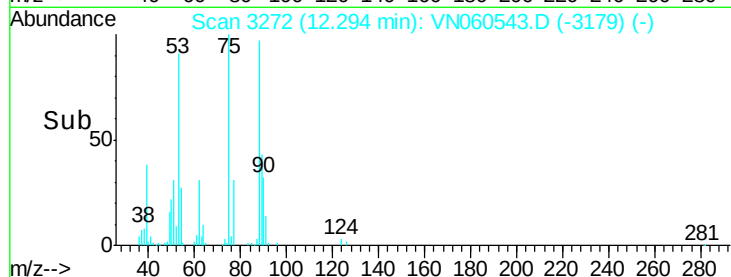
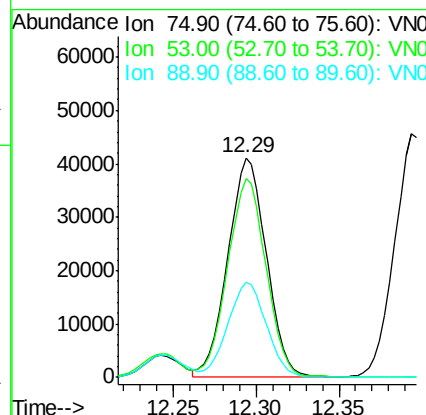
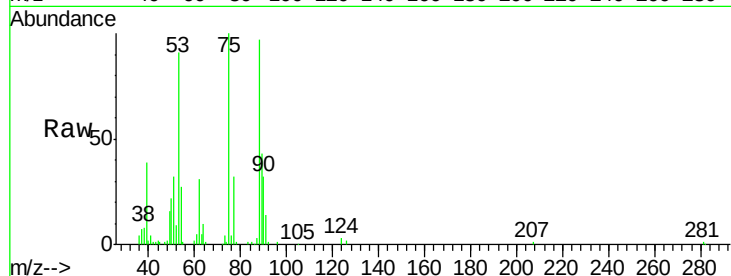
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 66511 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 90.8  | 73.8  | 110.6 |
| 89        | 43.3  | 57.1  | 85.7# |

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#82

4-Chlorotoluene

Concen: 50.930 ug/l

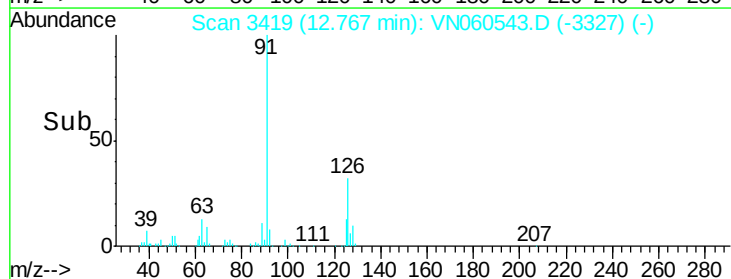
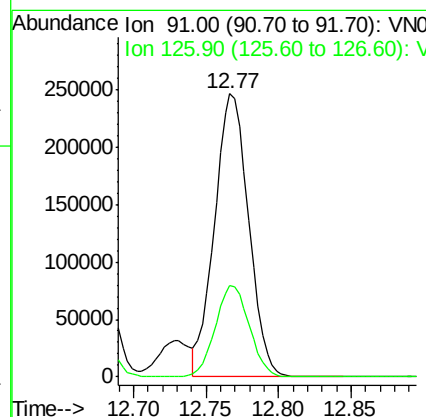
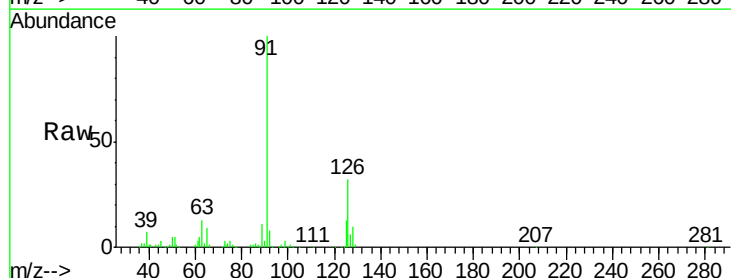
RT: 12.77 min Scan# 3419

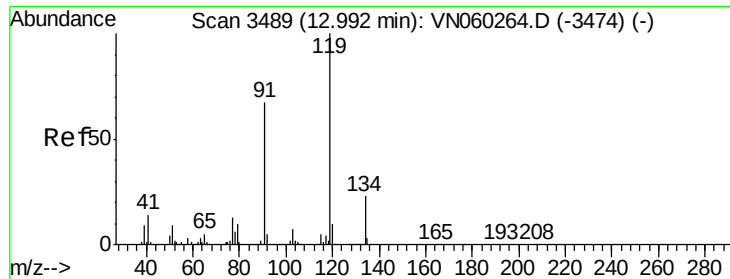
Delta R.T. -0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 402267 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 32.4  | 16.7  | 50.1   |





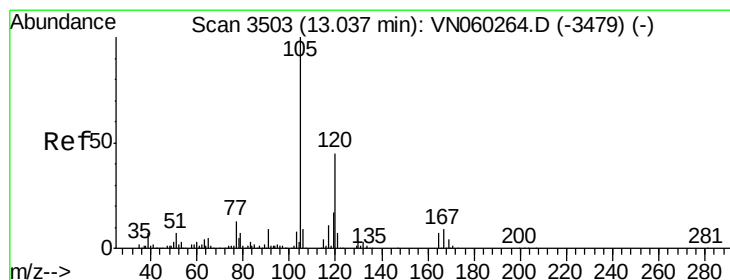
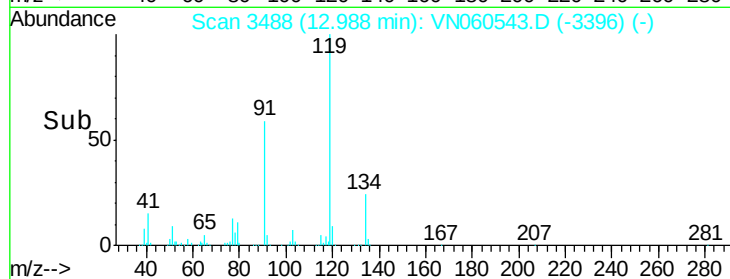
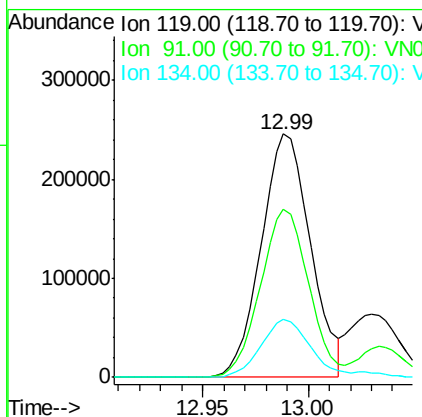
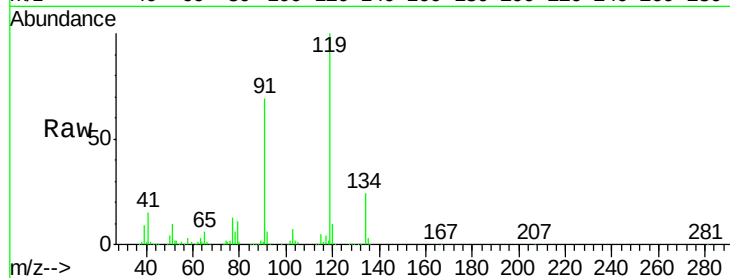
#83  
 tert-Butylbenzene  
 Concen: 50.477 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.0  | 33.1  | 99.2  |
| 134     | 25.1  | 12.4  | 37.0  |

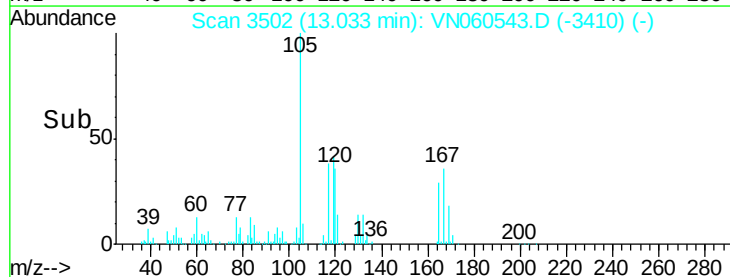
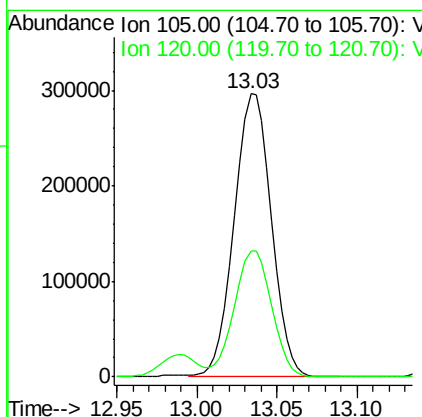
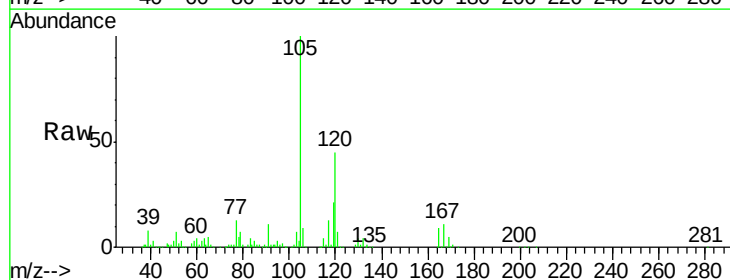
Manual Integrations  
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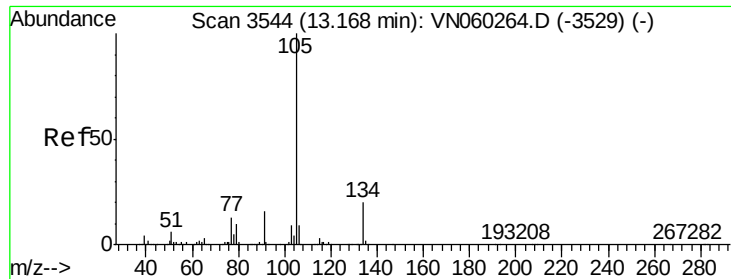
MMDadoda  
 3/18/2020 5:34:56 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.709 ug/l  
 RT: 13.03 min Scan# 3502  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.7  | 22.3  | 66.9  |





#85

sec-Butylbenzene

Concen: 50.757 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

Instrument :

MSVOA\_N

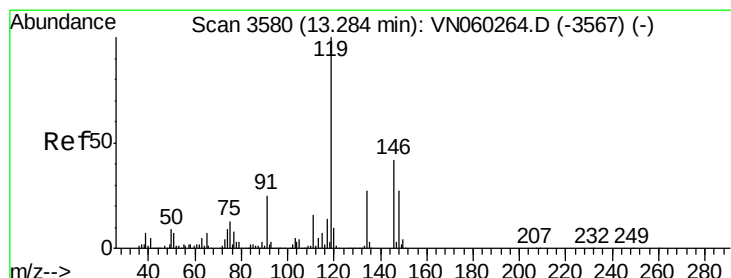
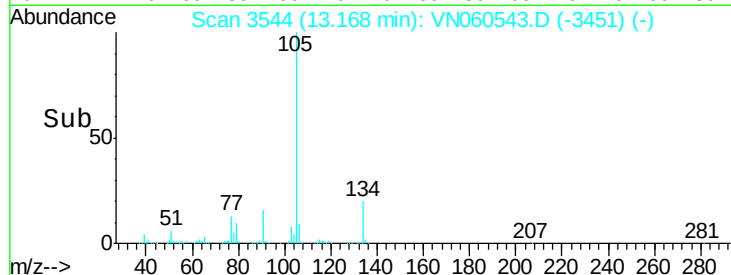
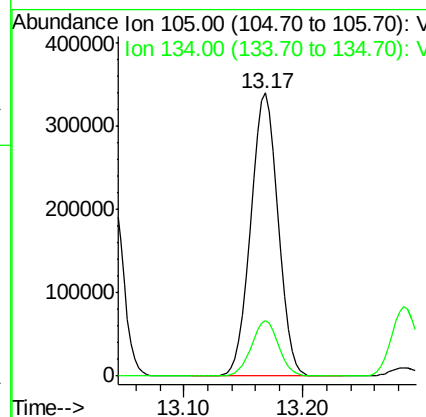
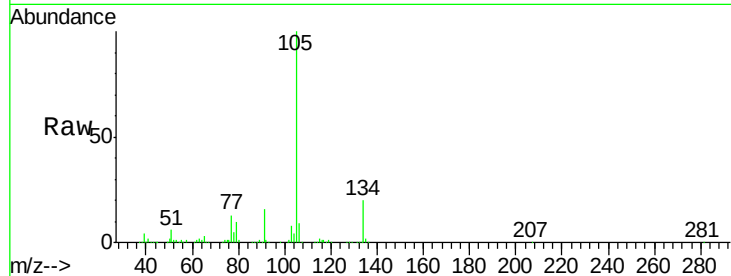
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 539086 |       |       |
| 134     | 19.4  | 9.8    | 29.5  |       |

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#86

p-Isopropyltoluene

Concen: 49.294 ug/l

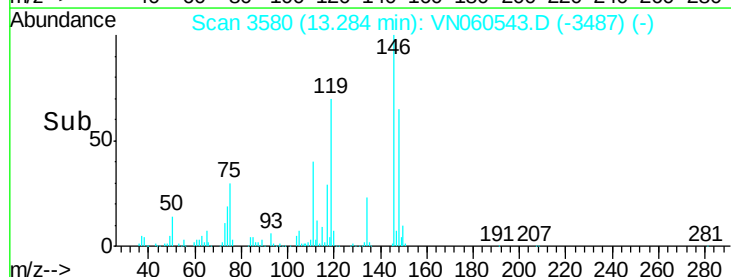
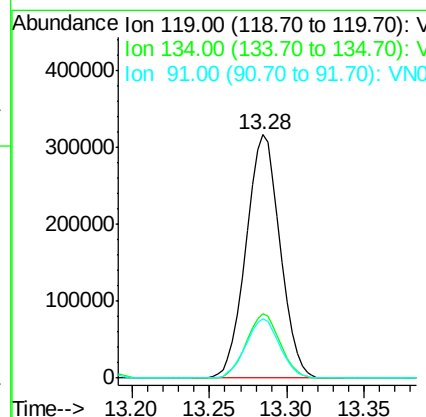
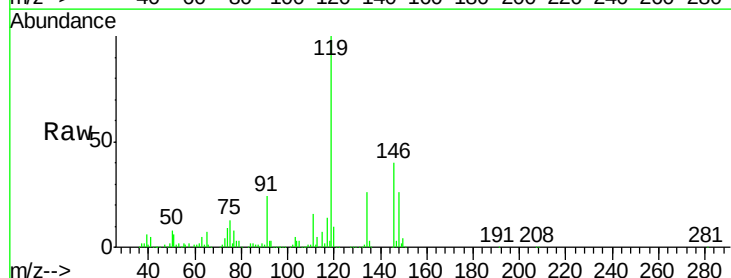
RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

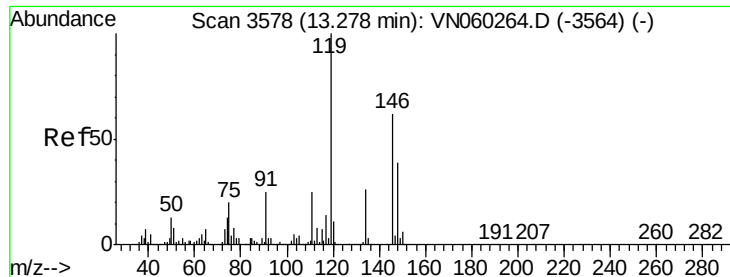
Lab File: VN060543.D

Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 484576 |       |       |
| 134     | 26.2  | 13.2   | 39.6  |       |
| 91      | 24.4  | 12.2   | 36.6  |       |







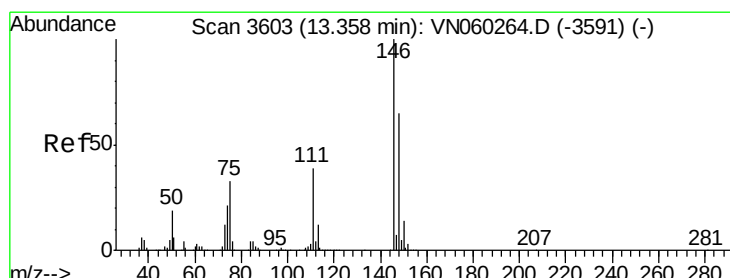
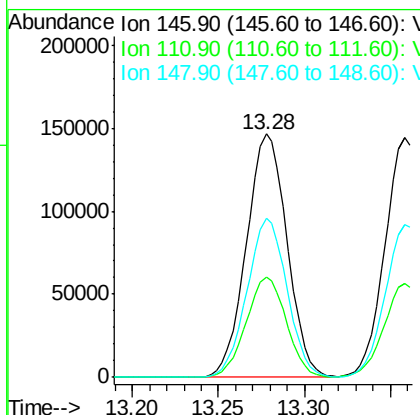
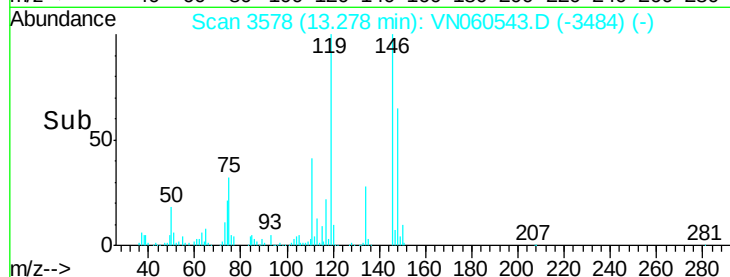
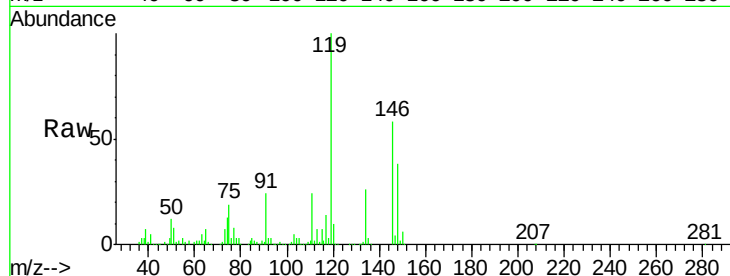
#87  
 1,3-Dichlorobenzene  
 Concen: 52.353 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. 0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 20.0  | 59.9  |
| 148     | 64.4  | 32.1  | 96.3  |

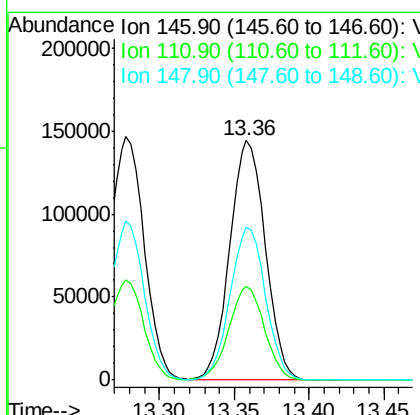
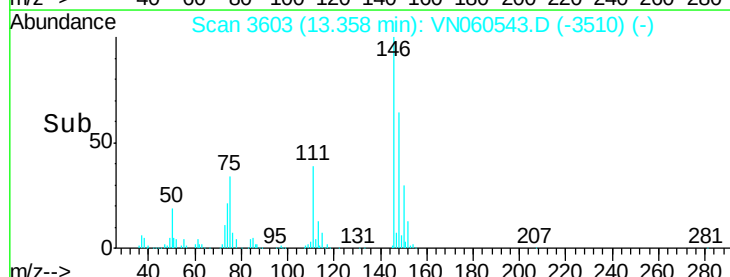
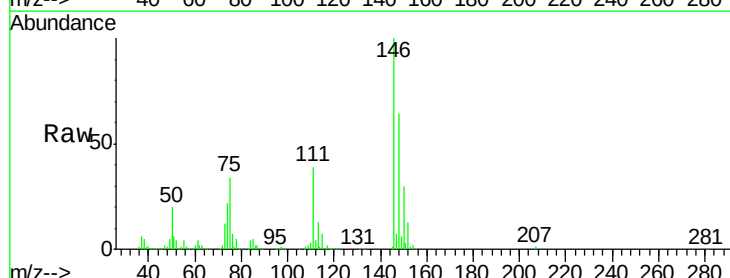
Manual Integrations  
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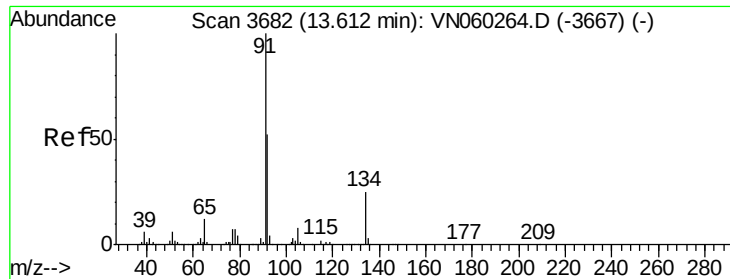
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#88  
 1,4-Dichlorobenzene  
 Concen: 52.453 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. 0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.8  | 59.4  |
| 148     | 63.7  | 32.3  | 96.9  |





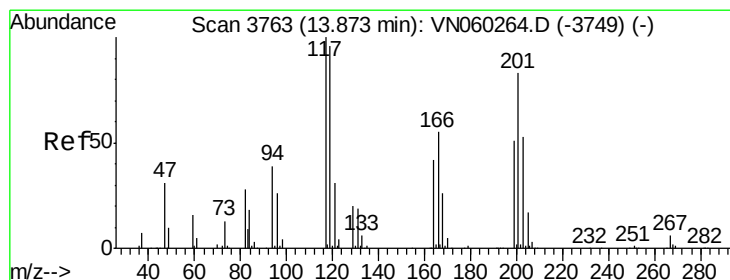
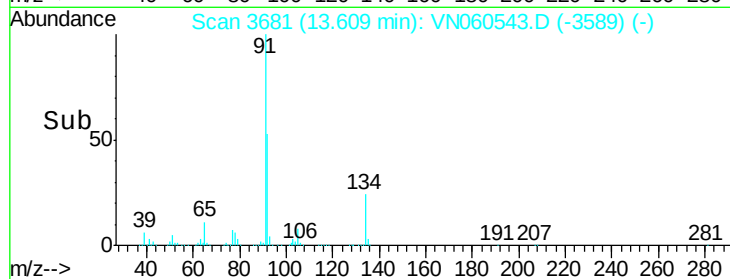
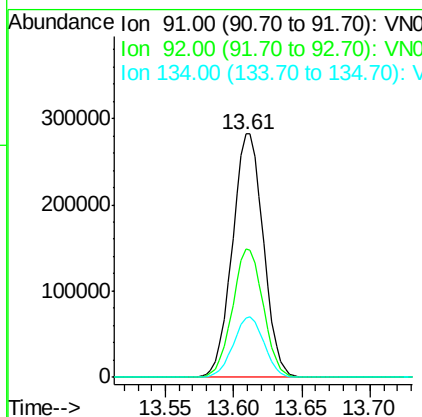
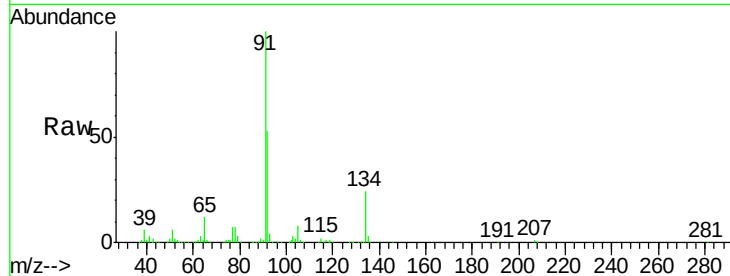
#89  
n-Butylbenzene  
Concen: 49.284 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.4  | 26.0  | 78.0  |
| 134     | 24.6  | 12.7  | 38.1  |

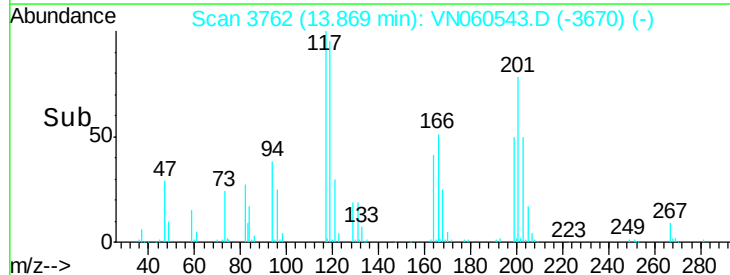
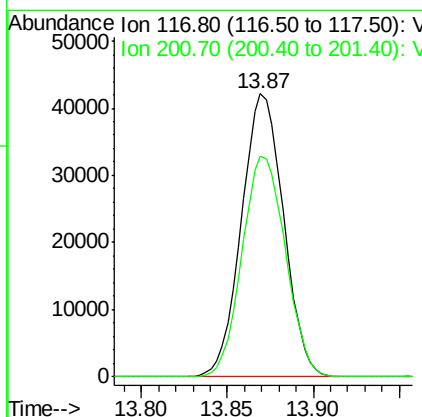
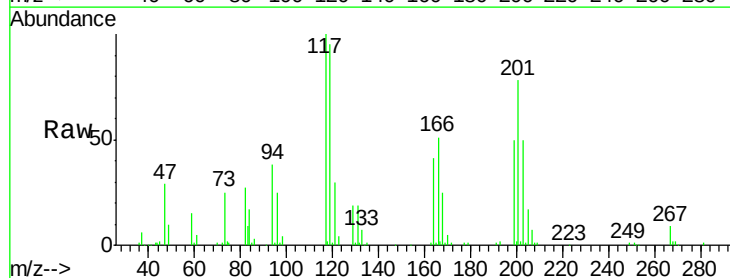
Manual Integrations  
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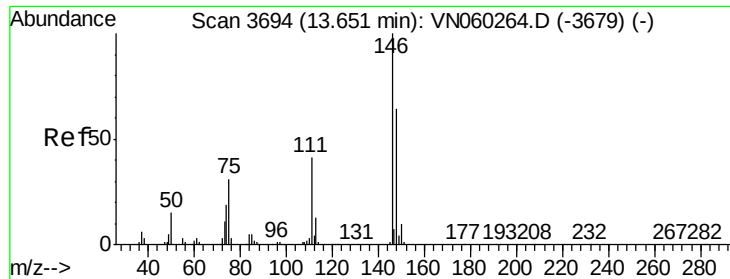
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#90  
Hexachloroethane  
Concen: 50.411 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 80.2  | 41.0  | 123.0 |





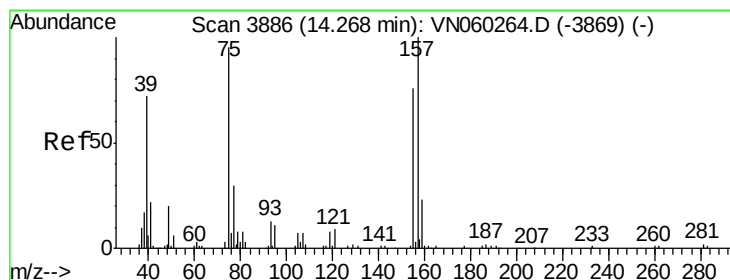
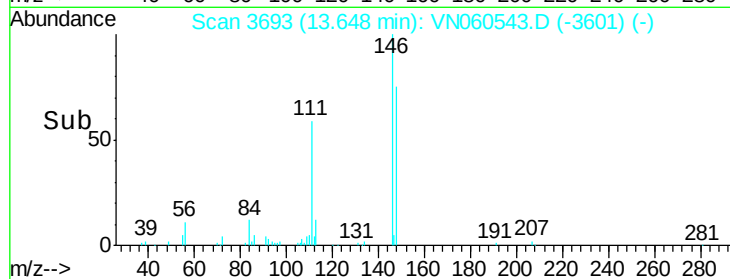
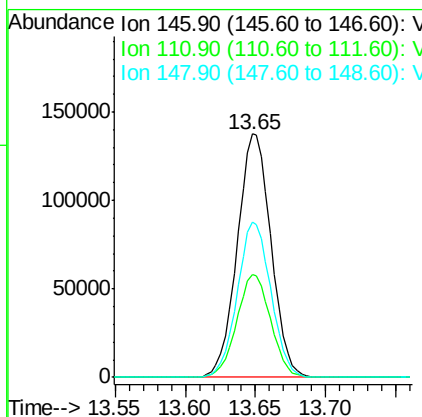
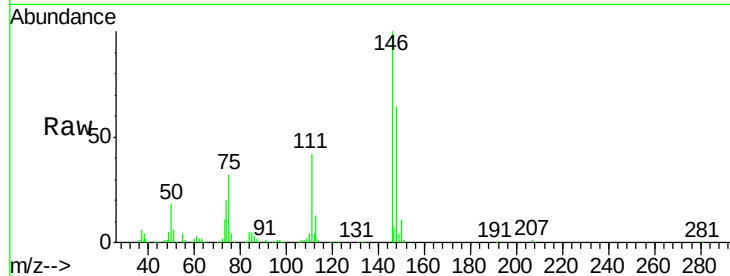
#91  
 1,2-Dichlorobenzene  
 Concen: 49.397 ug/l  
 RT: 13.65 min Scan# 3693  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.1  | 20.3  | 61.0  |
| 148     | 63.3  | 31.8  | 95.3  |

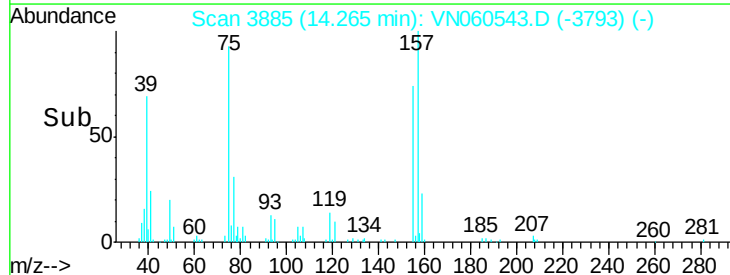
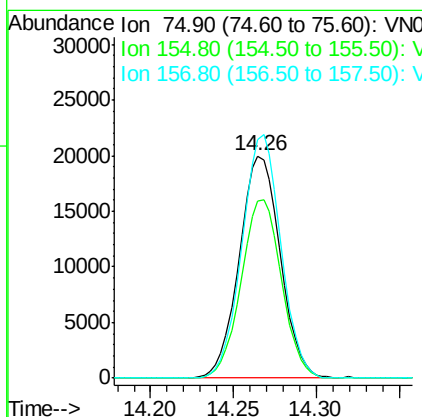
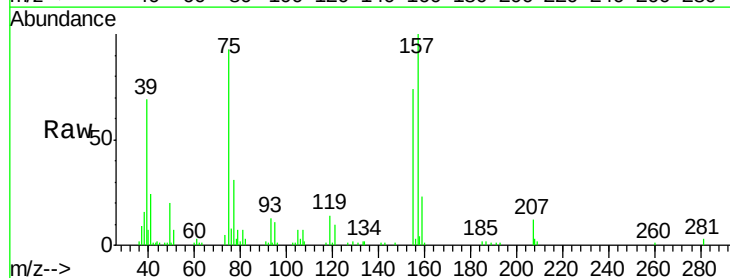
Manual Integrations  
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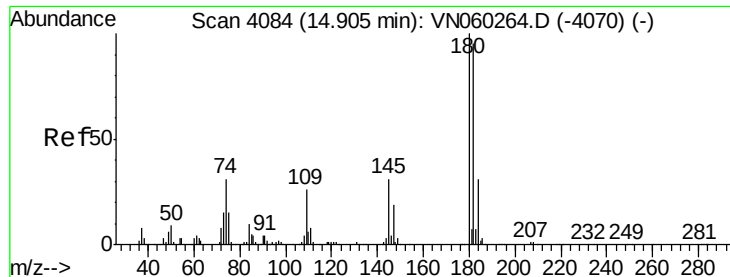
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.364 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. -0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.7  | 40.4  | 121.2 |
| 157     | 103.8 | 52.5  | 157.5 |





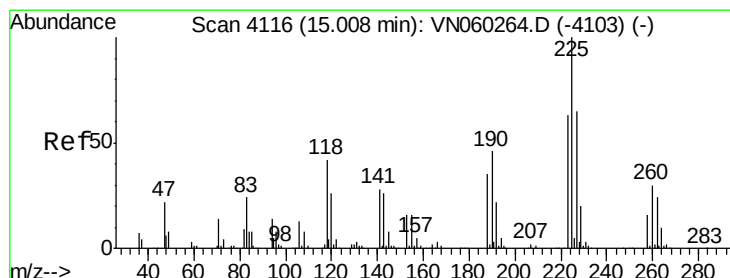
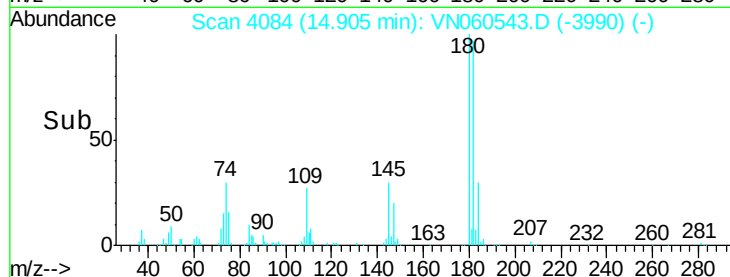
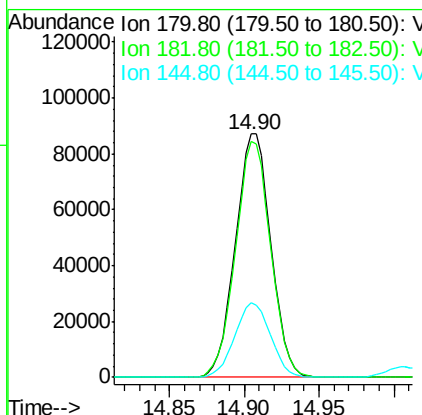
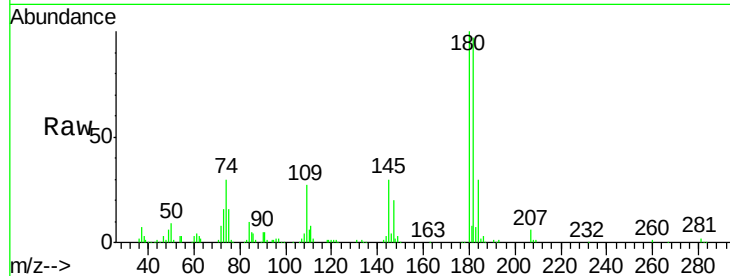
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.421 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. 0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 143777 |       |       |
| 182     | 95.8  | 47.8   | 143.3 |       |
| 145     | 30.8  | 15.4   | 46.1  |       |

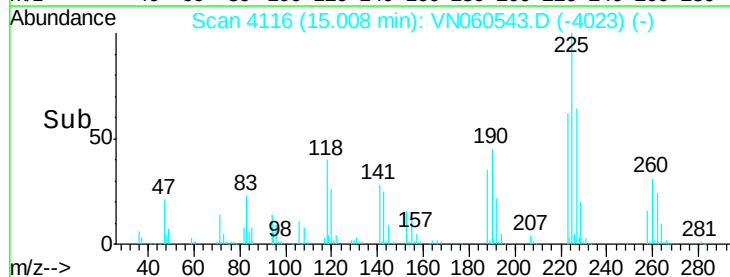
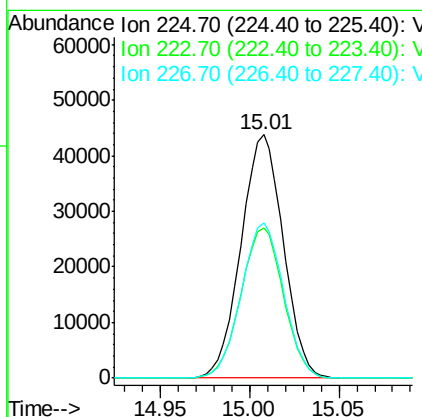
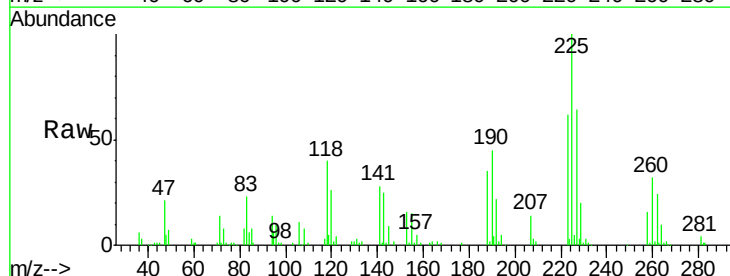
Manual Integrations  
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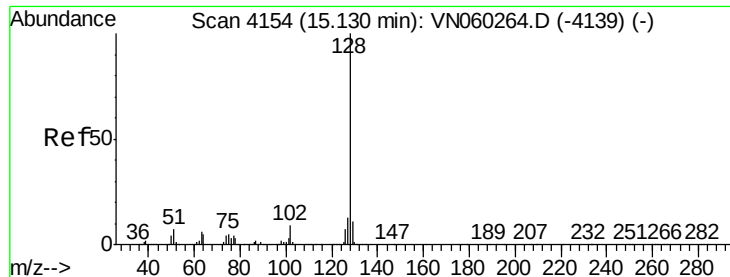
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#94  
 Hexachlorobutadiene  
 Concen: 53.224 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN060543.D  
 Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 72602 |       |       |
| 223     | 62.4  | 31.3  | 93.9  |       |
| 227     | 63.7  | 32.3  | 96.9  |       |





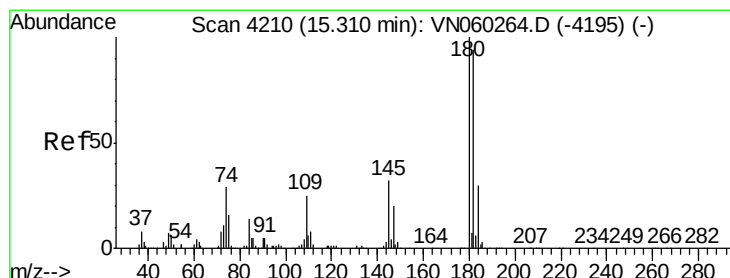
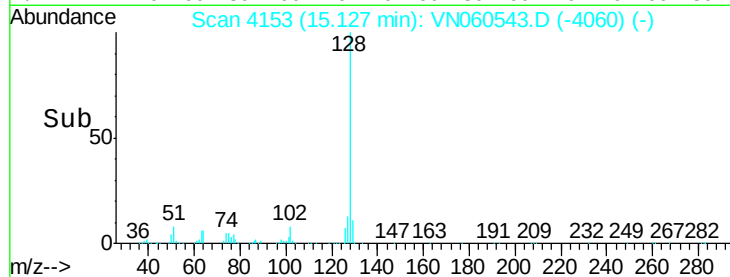
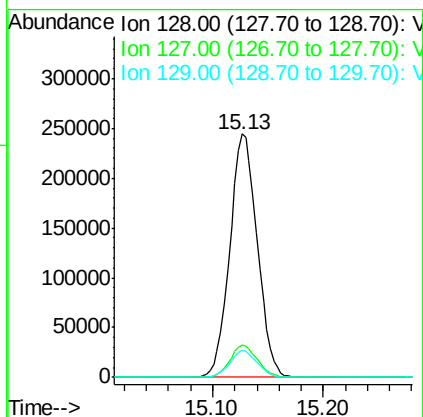
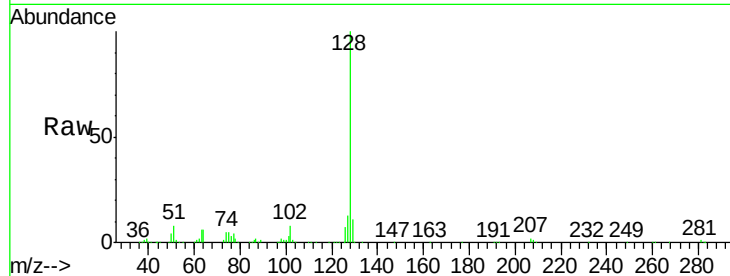
#95  
Naphthalene  
Concen: 48.223 ug/l  
RT: 15.13 min Scan# 4153  
Delta R.T. -0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.4  | 15.6  |
| 129     | 10.8  | 8.6   | 13.0  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 49.746 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. 0.00 min  
Lab File: VN060543.D  
Acq: 17 Mar 2020 9:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 47.3  | 142.0 |
| 145     | 32.3  | 16.2  | 48.5  |

