

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\  
 Data File : VN060621.D  
 Acq On : 19 Mar 2020 3:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/19/2020 1:59:34 PM

Quant Time: Mar 19 09:13:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 200000   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 345684   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 317140   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 148270   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 136106   | 49.57 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 99.14% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 101195   | 48.41 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 96.82% |          |
| 50) Toluene-d8              | 10.08 | 98   | 406163   | 47.57 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 95.14% |          |
| 62) 4-Bromofluorobenzene    | 12.39 | 95   | 149601   | 47.81 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 95.62% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 98129    | 50.708  | ug/l  | 99     |
| 3) Chloromethane              | 2.04 | 50   | 172995   | 47.864  | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.16 | 62   | 141291   | 49.980  | ug/l  | 99     |
| 5) Bromomethane               | 2.54 | 94   | 63512    | 52.044  | ug/l  | 99     |
| 6) Chloroethane               | 2.68 | 64   | 83363    | 51.192  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 3.00 | 101  | 175270   | 50.331  | ug/l  | 99     |
| 8) Diethyl Ether              | 3.38 | 74   | 72506    | 51.829  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101  | 100536   | 49.824  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.93 | 142  | 92273    | 51.390  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 4.73 | 59   | 98391    | 243.673 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96   | 107469   | 49.631  | ug/l  | 96     |
| 13) Acrolein                  | 3.57 | 56   | 100771   | 225.181 | ug/l  | 99     |
| 14) Allyl chloride            | 4.29 | 41   | 186786   | 49.045  | ug/l  | 99     |
| 15) Acrylonitrile             | 4.94 | 53   | 304483   | 256.437 | ug/l  | 99     |
| 16) Acetone                   | 3.78 | 43   | 246181   | 253.135 | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.03 | 76   | 327398   | 49.715  | ug/l  | 99     |
| 18) Methyl Acetate            | 4.29 | 43   | 136161   | 49.741  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73   | 376121   | 50.521  | ug/l  | 98     |
| 20) Methylene Chloride        | 4.52 | 84   | 119996   | 50.158  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96   | 117412   | 50.876  | ug/l  | 95     |
| 22) Diisopropyl ether         | 5.91 | 45   | 420038   | 52.204  | ug/l  | 99     |
| 23) Vinyl Acetate             | 5.86 | 43   | 1743256  | 265.542 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63   | 227369   | 51.836  | ug/l  | 99     |
| 25) 2-Butanone                | 6.80 | 43   | 398715   | 253.359 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77   | 148670   | 43.079  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96   | 131914   | 50.300  | ug/l  | 99     |
| 28) Bromochloromethane        | 7.17 | 49   | 113248   | 53.964  | ug/l  | 100    |
| 29) Tetrahydrofuran           | 7.18 | 42   | 279569   | 251.079 | ug/l  | 99     |
| 30) Chloroform                | 7.35 | 83   | 214704   | 51.060  | ug/l  | 100    |
| 31) Cyclohexane               | 7.63 | 56   | 209706   | 47.423  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97   | 186330   | 51.402  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75   | 166294   | 49.680  | ug/l  | 100    |
| 37) Ethyl Acetate             | 6.90 | 43   | 175280   | 48.463  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117  | 150061   | 50.020  | ug/l  | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/19/2020 1:59:34 PM

Quant Time: Mar 19 09:13:06 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 188769   | 47.455   | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 502559   | 49.735   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.14  | 41   | 69271m   | 44.878   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 174571   | 50.552   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 299748   | 50.252   | ug/l   | 100      |
| 44) Trichloroethene            | 8.82  | 130  | 126429   | 49.633   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 136797   | 51.306   | ug/l   | 97       |
| 46) Dibromomethane             | 9.19  | 93   | 81393    | 50.494   | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.39  | 83   | 170611   | 50.935   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.18  | 41   | 132072   | 49.731   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 32762    | 1037.879 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 863501   | 254.401  | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 303645   | 49.757   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 192089   | 49.924   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 208334   | 49.356   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 117313   | 49.969   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 188899   | 51.603   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 206788   | 50.758   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 460797   | 253.271  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 620887   | 253.935  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.89 | 129  | 124310   | 51.260   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 121959   | 51.661   | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 119931   | 48.057   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 311139   | 49.489   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 114327   | 50.225   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.50 | 91   | 583219   | 49.883   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.61 | 106  | 432778   | 99.611   | ug/l   | 100      |
| 69) o-Xylene                   | 11.94 | 106  | 206072   | 49.686   | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 341959   | 50.413   | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 87477    | 46.364   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.24 | 105  | 547948   | 49.245   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.06 | 43   | 261344   | 50.828   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 166604   | 49.512   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 150235m  | 46.958   | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 131299   | 48.970   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 645136   | 49.075   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 380806   | 48.481   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 460570   | 48.775   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 58786    | 47.191   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 395772   | 49.472   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 381314   | 48.713   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.03 | 105  | 462511   | 49.510   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 508495   | 48.309   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 452607   | 47.818   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 230145   | 48.668   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 231172   | 48.657   | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 406085   | 47.519   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 68599    | 49.859   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 223791   | 49.492   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 33180    | 47.062   | ug/l   | 99       |

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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

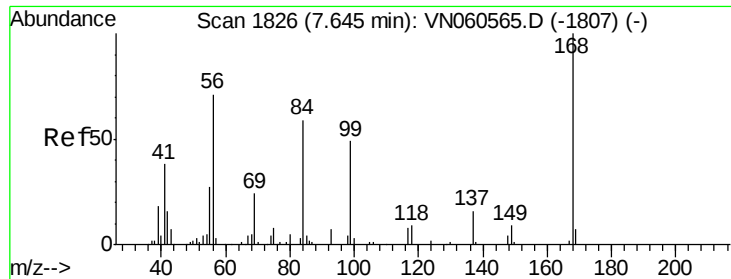
MMDadoda  
3/19/2020 1:59:34 PM

Quant Time: Mar 19 09:13:06 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 132067   | 47.561 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.00 | 225  | 59724    | 43.875 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 406286   | 48.645 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 129230   | 47.249 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 200000

Ion Ratio Lower Upper

168 100

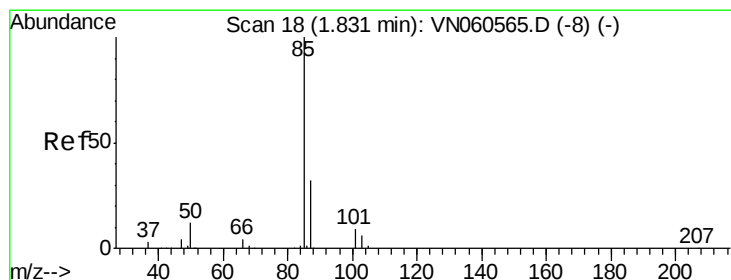
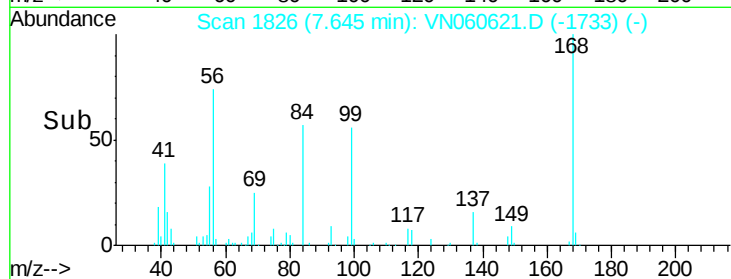
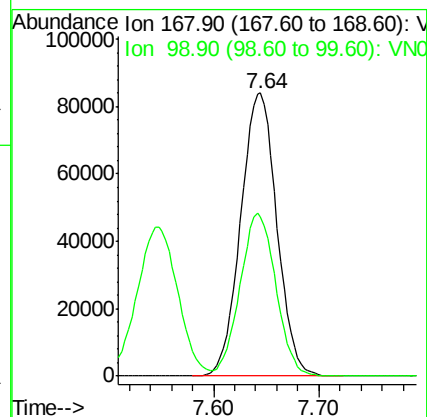
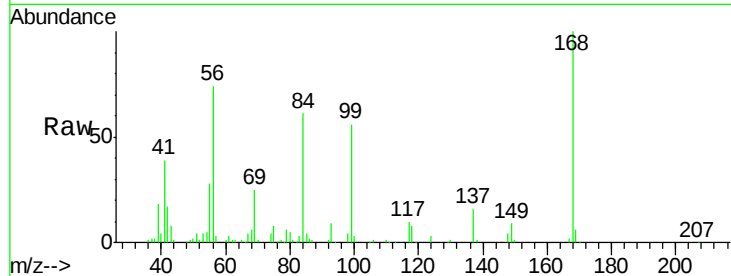
99 56.2 44.0 66.0

Manual Integrations

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3/19/2020 1:59:34 PM



#2

Dichlorodifluoromethane

Concen: 50.708 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060621.D

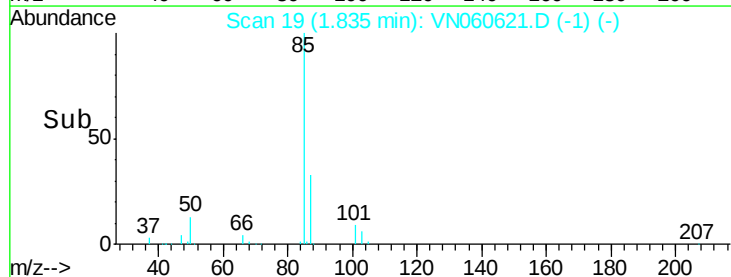
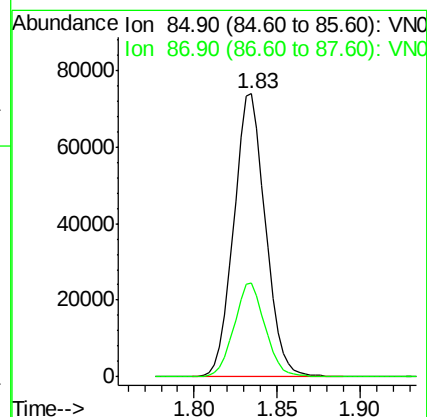
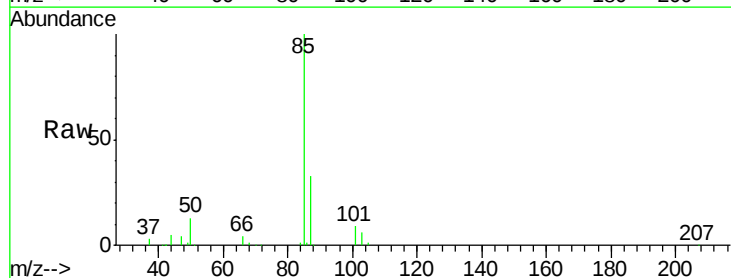
Acq: 19 Mar 2020 3:22

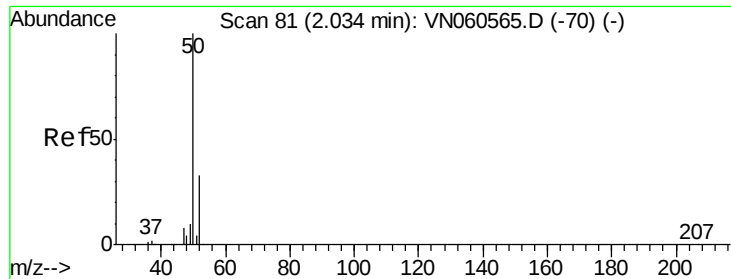
Tgt Ion: 85 Resp: 98129

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5





#3

Chloromethane

Concen: 47.864 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 172995

Ion Ratio Lower Upper

50 100

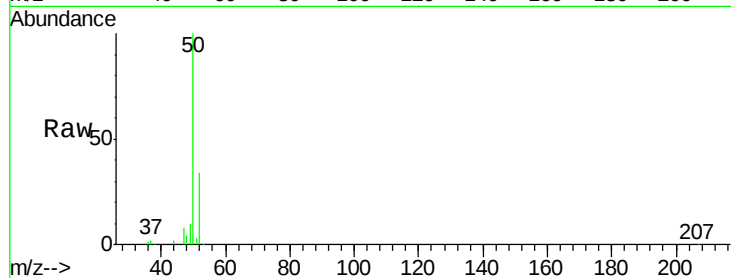
52 33.5 26.2 39.2

Manual Integrations

APPROVED

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3/19/2020 1:59:34 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

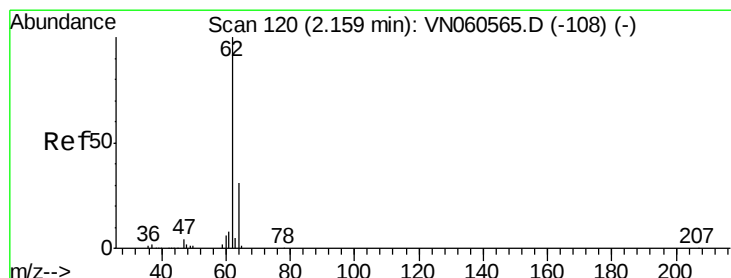
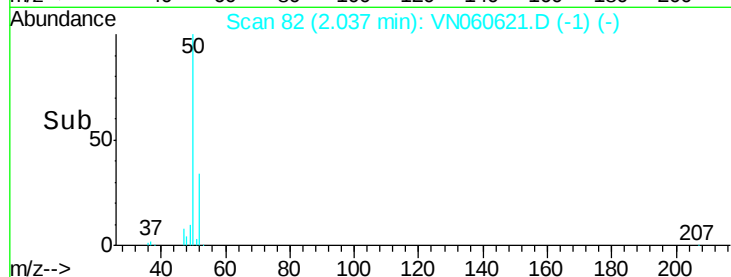
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 49.980 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060621.D

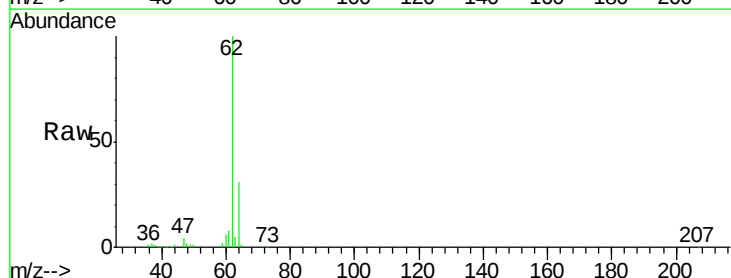
Acq: 19 Mar 2020 3:22

Tgt Ion: 62 Resp: 141291

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

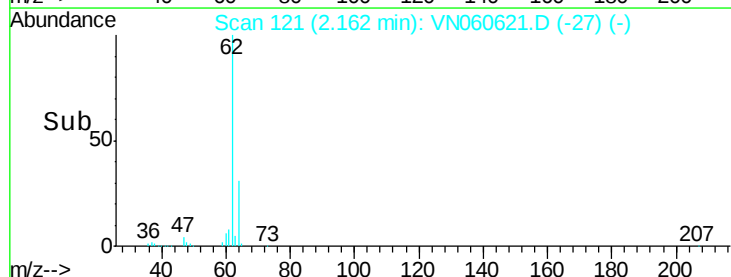
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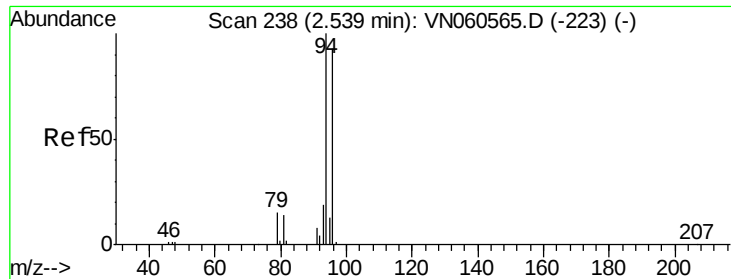
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 52.044 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 63512

Ion Ratio Lower Upper

94 100

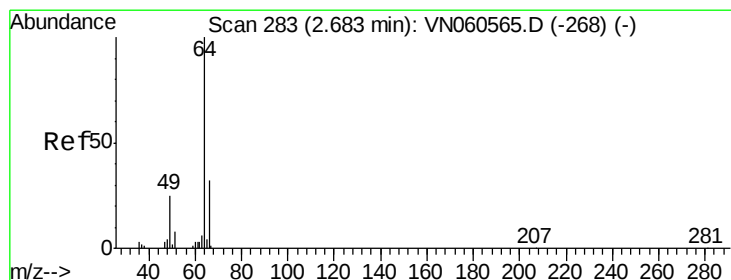
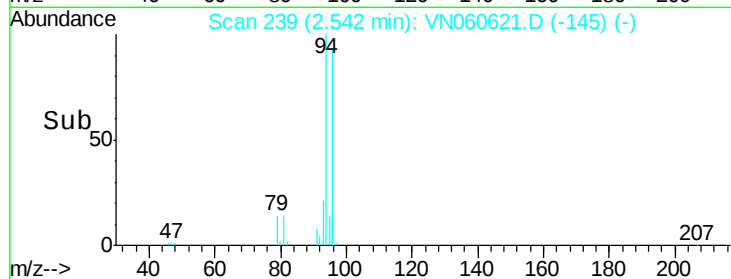
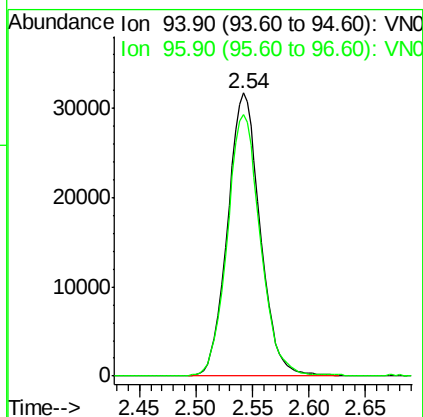
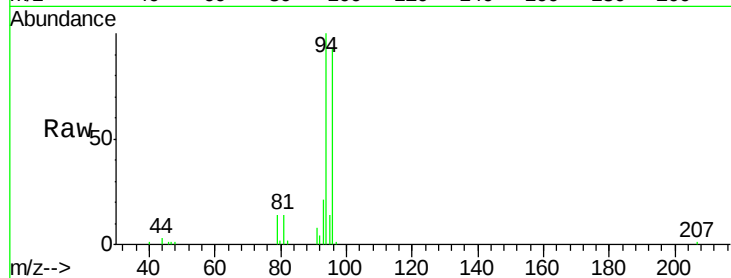
96 92.5 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

3/19/2020 1:59:34 PM



#6

Chloroethane

Concen: 51.192 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060621.D

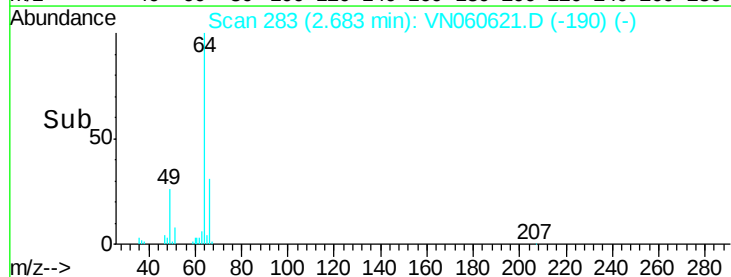
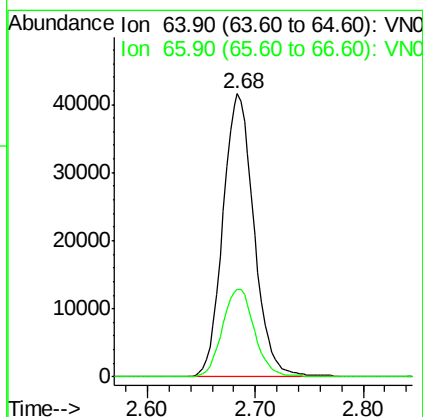
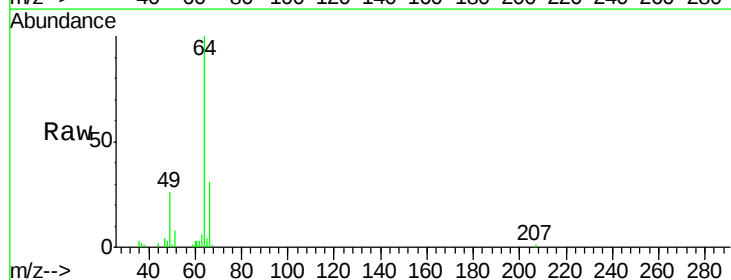
Acq: 19 Mar 2020 3:22

Tgt Ion: 64 Resp: 83363

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9





#7

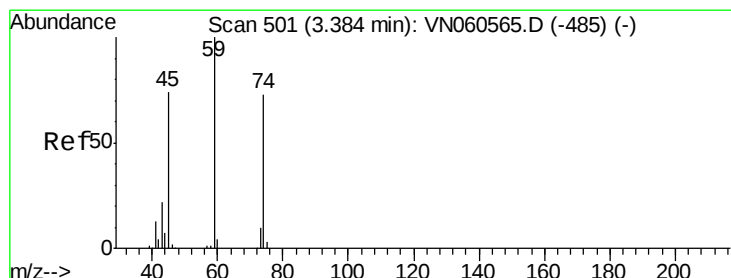
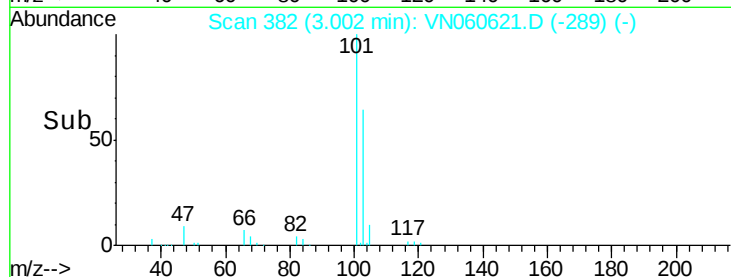
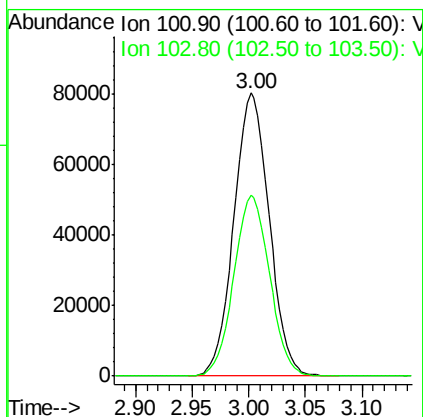
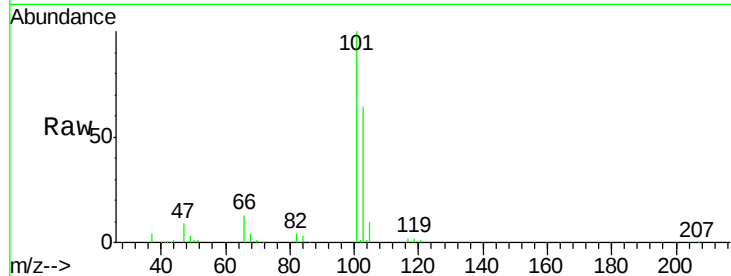
Trichlorofluoromethane  
 Concen: 50.331 ug/l  
 RT: 3.00 min Scan# 382  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.2  | 50.6  | 76.0  |

Manual Integrations  
 APPROVED

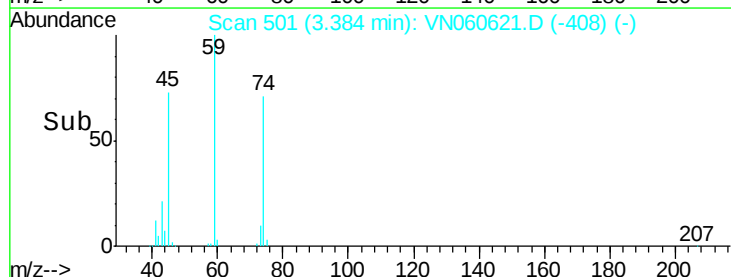
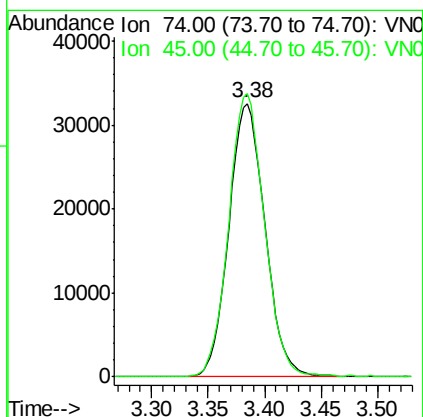
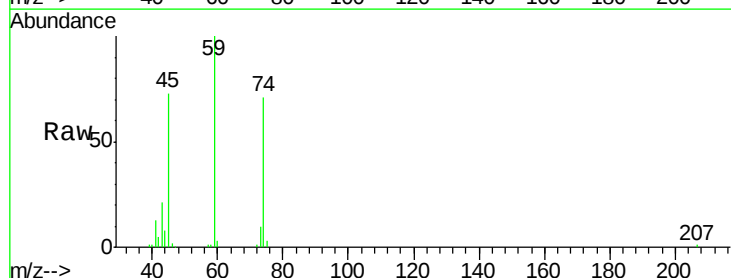
MMDadoda  
 3/19/2020 1:59:34 PM



#8

Diethyl Ether  
 Concen: 51.829 ug/l  
 RT: 3.38 min Scan# 501  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 102.5 | 51.3  | 153.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.824 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

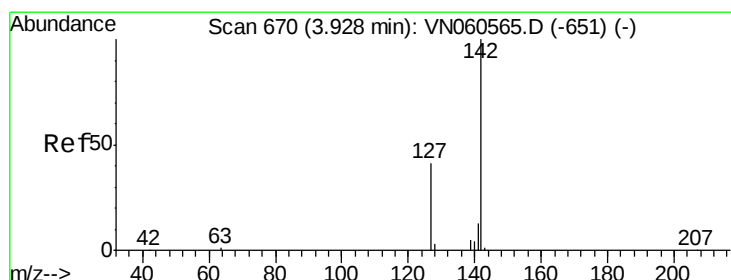
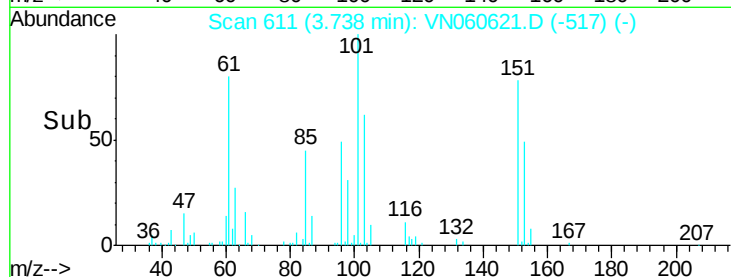
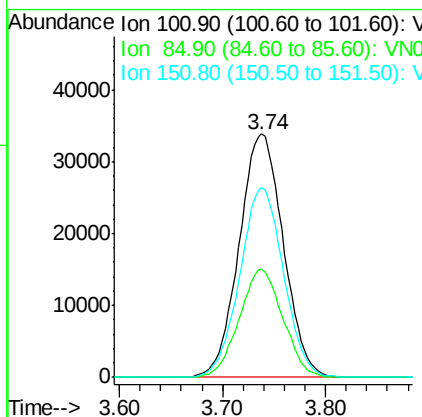
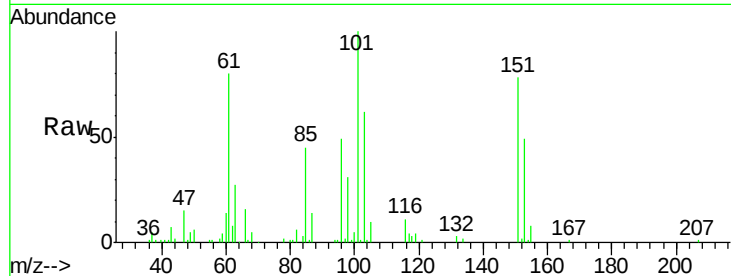
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 100536 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.7  | 35.6  | 53.4   |
| 151       | 77.3  | 61.4  | 92.2   |

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#10

Methyl Iodide

Concen: 51.390 ug/l

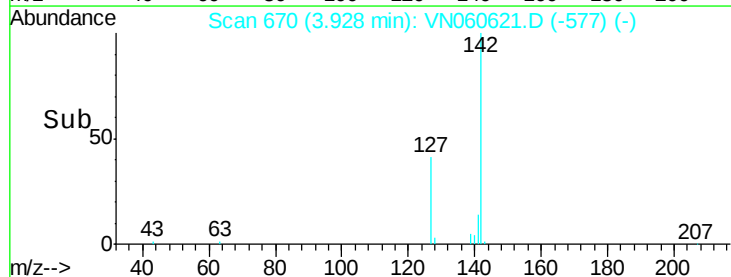
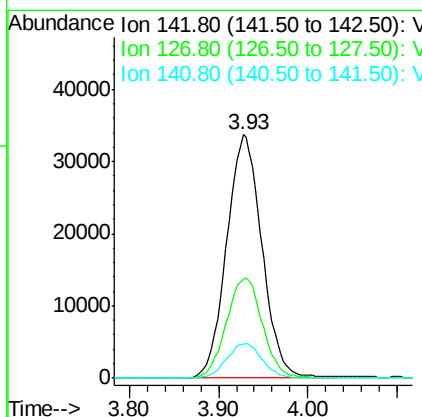
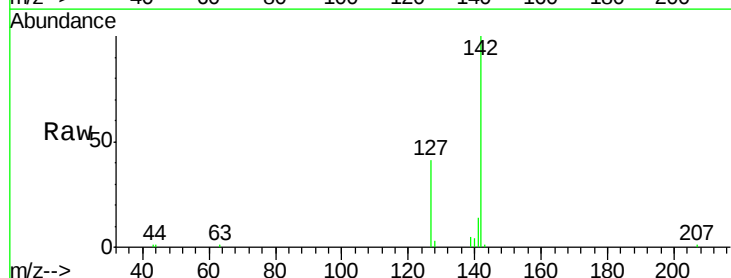
RT: 3.93 min Scan# 670

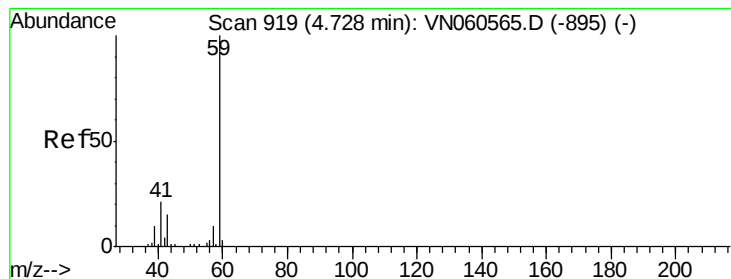
Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 92273 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.9  | 33.5  | 50.3  |
| 141       | 14.2  | 11.0  | 16.6  |





#11

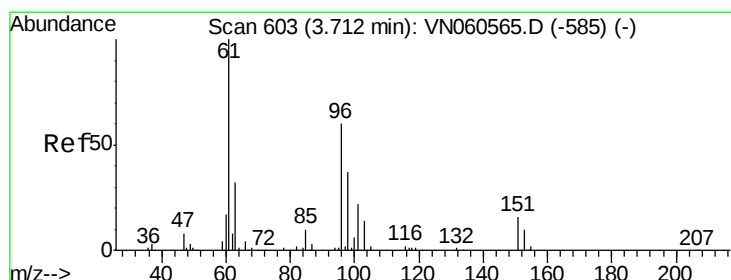
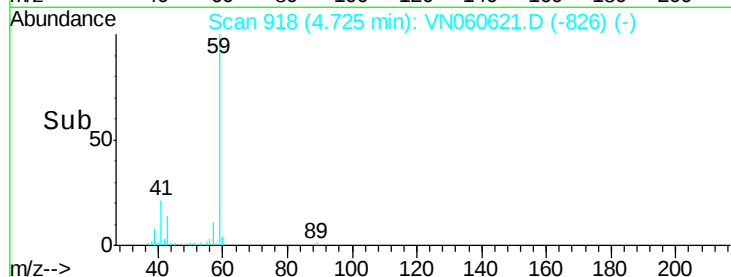
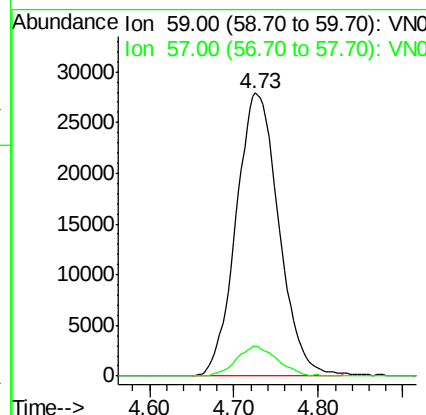
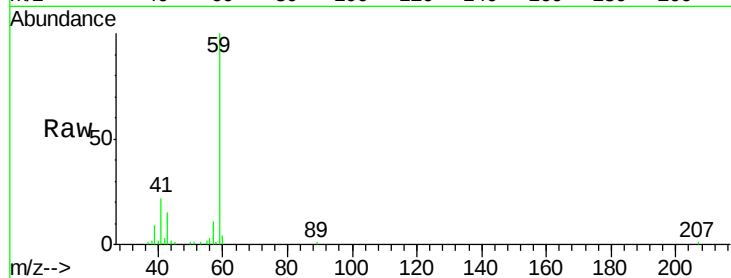
Tert butyl alcohol  
Concen: 243.673 ug/l  
RT: 4.73 min Scan# 918  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.0  | 8.2   | 12.4  |

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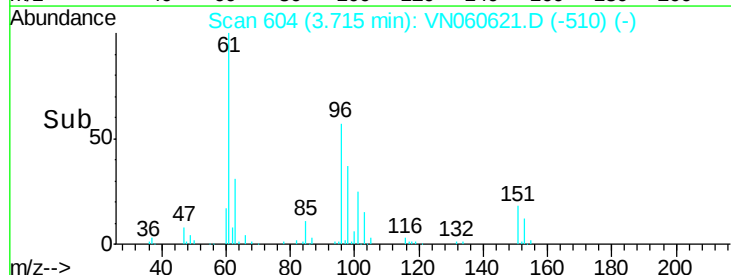
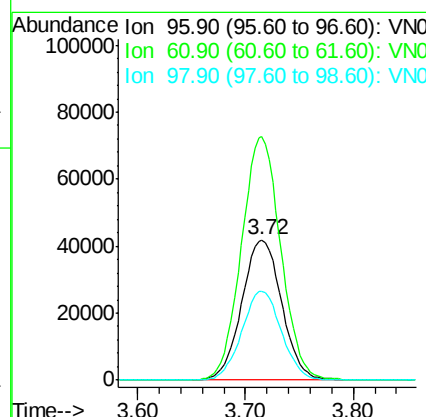
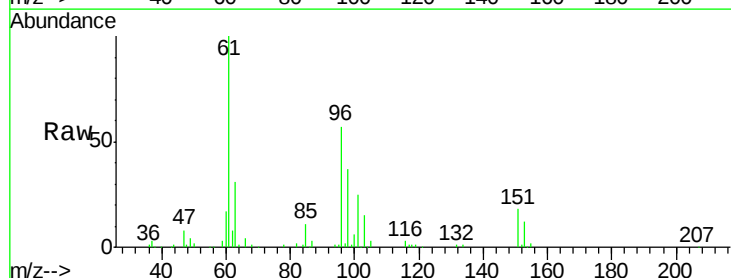
MMDadoda  
3/19/2020 1:59:34 PM

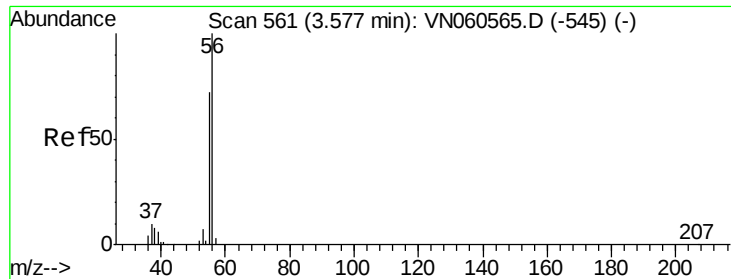


#12

1,1-Dichloroethene  
Concen: 49.631 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 174.0 | 134.1 | 201.1 |
| 98      | 63.9  | 49.9  | 74.9  |





#13

Acrolein

Concen: 225.181 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 100771

Ion Ratio Lower Upper

56 100

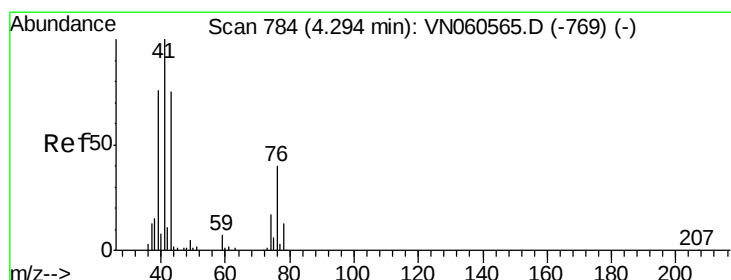
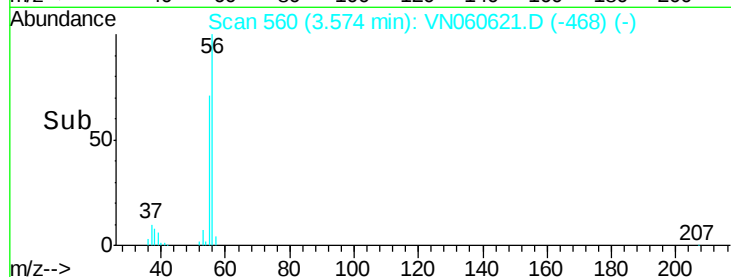
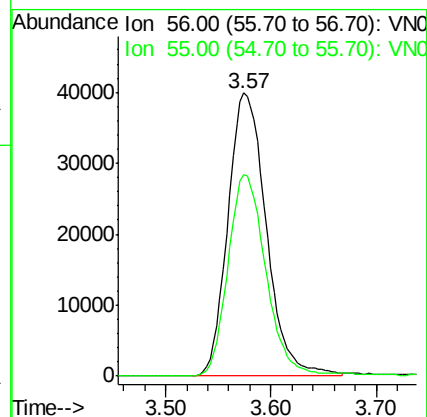
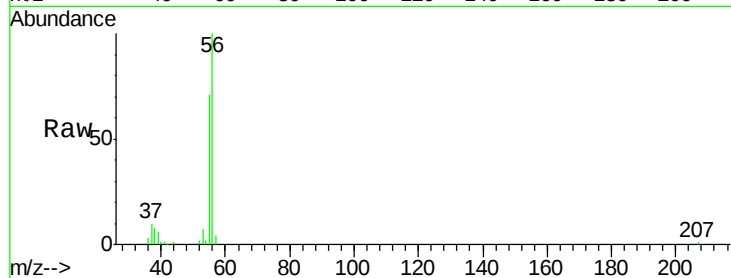
55 69.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 49.045 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

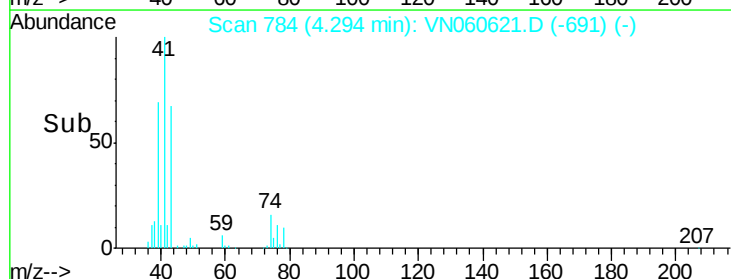
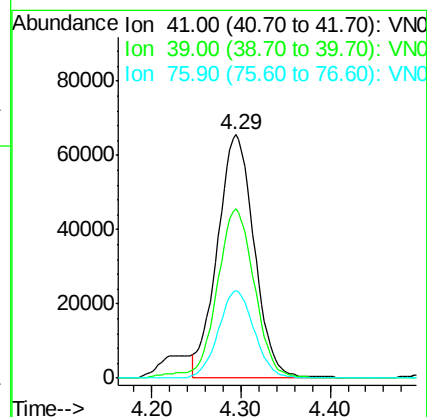
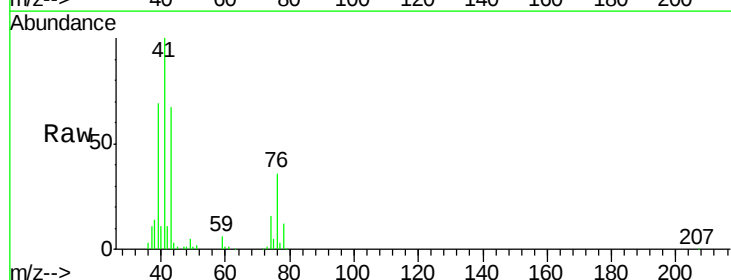
Tgt Ion: 41 Resp: 186786

Ion Ratio Lower Upper

41 100

39 71.4 57.8 86.8

76 35.1 28.6 43.0





#15

Acrylonitrile

Concen: 256.437 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

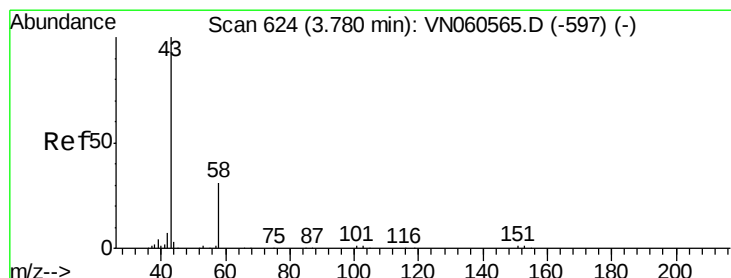
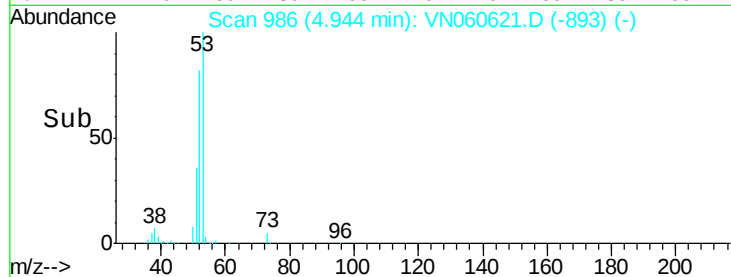
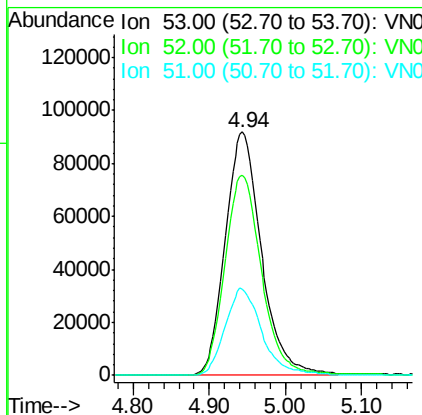
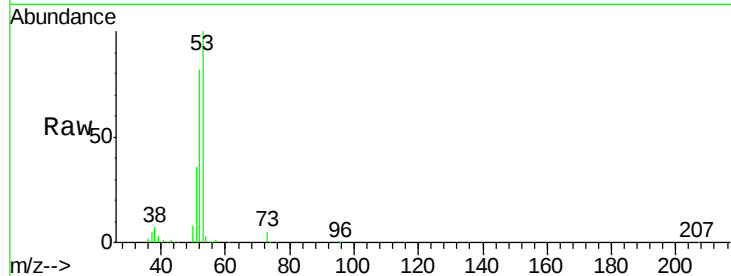
ClientSampleId :

VSTDCCC050EC

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 304483 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.3 | 66.2  | 99.4   |
| 51        | 36.5 | 28.7  | 43.1   |

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#16

Acetone

Concen: 253.135 ug/l

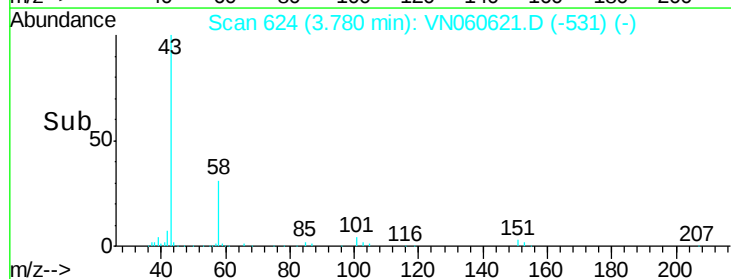
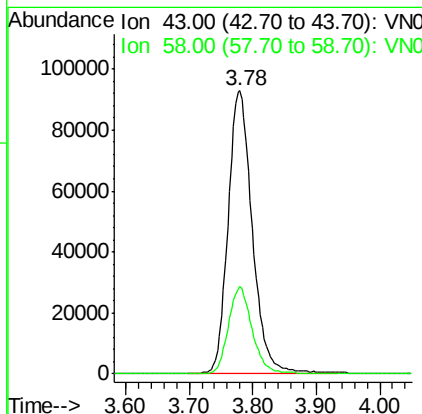
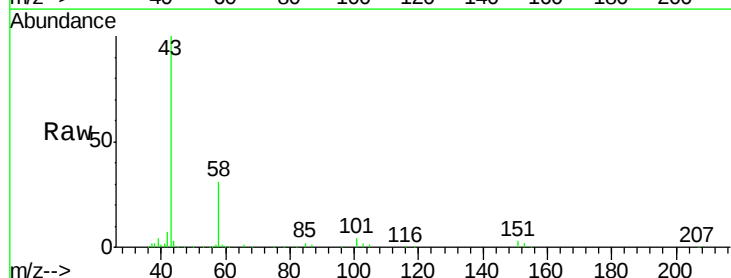
RT: 3.78 min Scan# 624

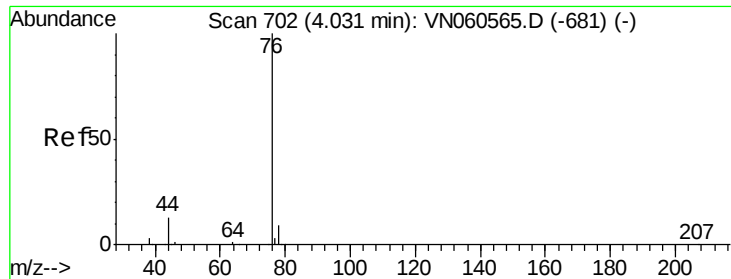
Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 246181 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 31.0 | 25.1  | 37.7   |





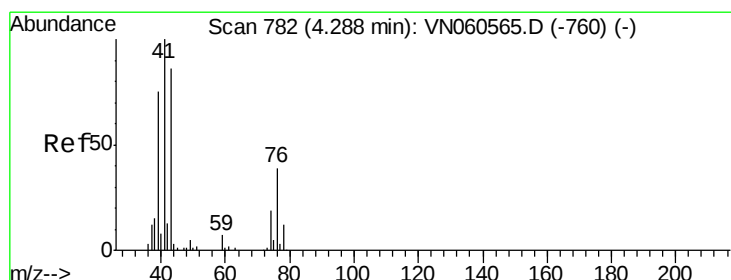
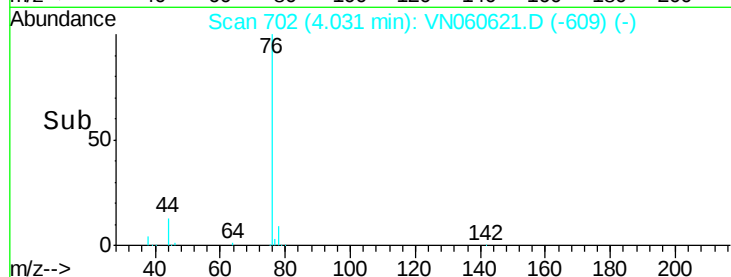
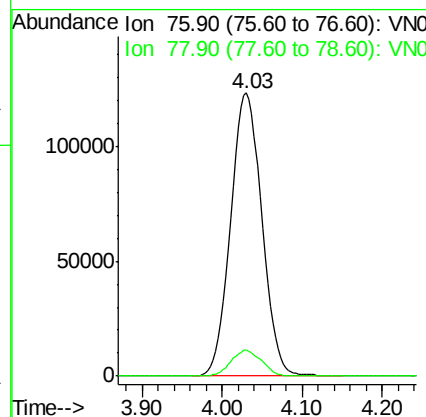
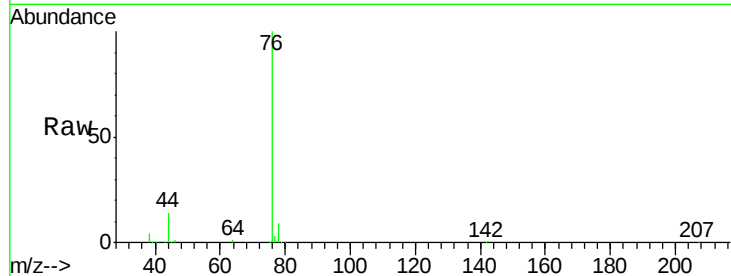
#17  
Carbon Disulfide  
Concen: 49.715 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.2   | 10.8  |

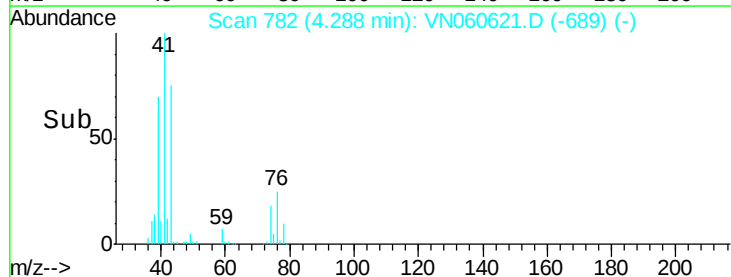
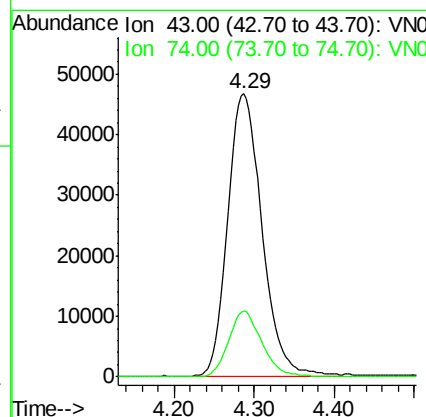
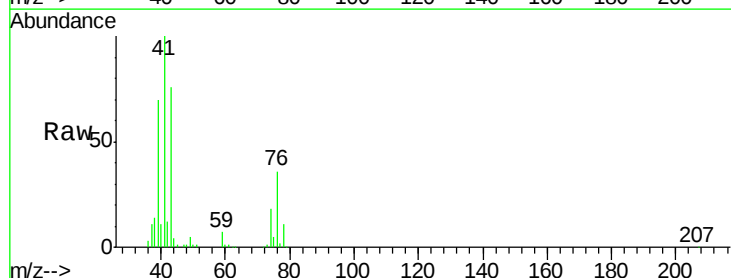
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#18  
Methyl Acetate  
Concen: 49.741 ug/l  
RT: 4.29 min Scan# 782  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.7  | 17.5  | 26.3  |





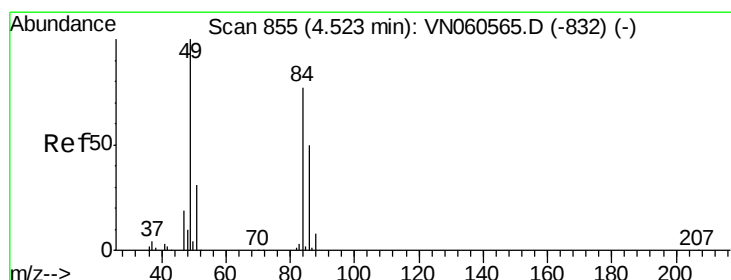
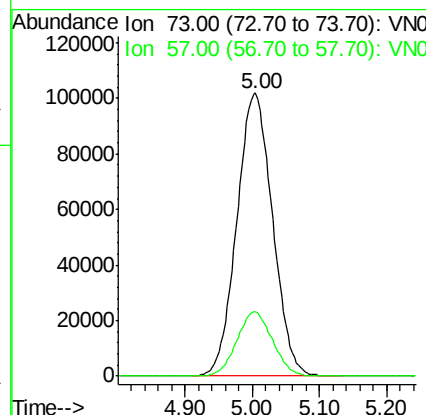
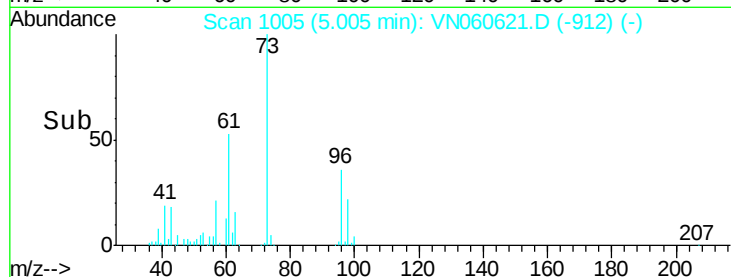
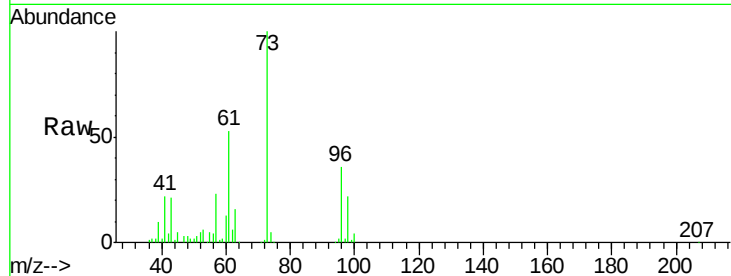
#19  
Methyl tert-butyl Ether  
Concen: 50.521 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.9  | 17.5  | 26.3  |

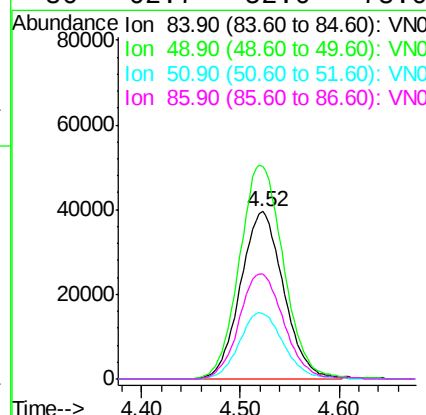
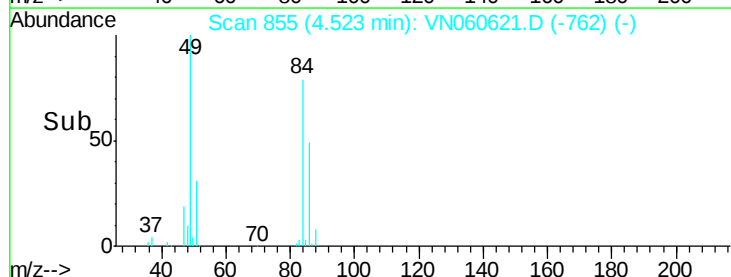
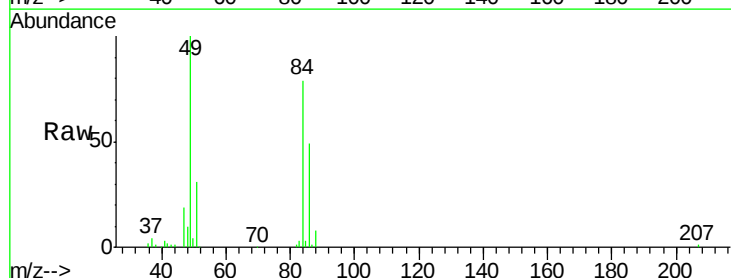
Manual Integrations  
APPROVED

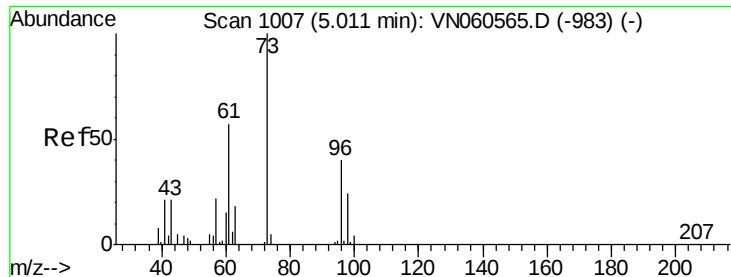
MMDadoda  
3/19/2020 1:59:34 PM



#20  
Methylene Chloride  
Concen: 50.158 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 127.4 | 103.3 | 154.9 |
| 51      | 39.3  | 31.6  | 47.4  |
| 86      | 62.7  | 52.0  | 78.0  |





#21

trans-1,2-Dichloroethene

Concen: 50.876 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 117412

Ion Ratio Lower Upper

96 100

61 149.6 114.4 171.6

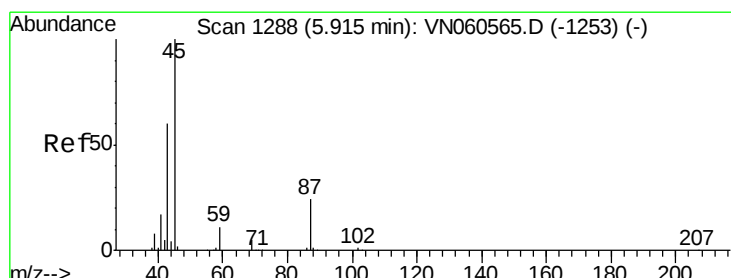
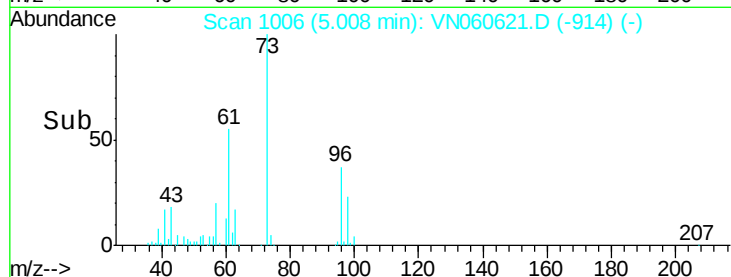
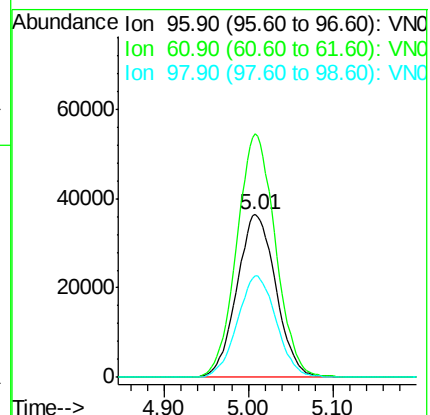
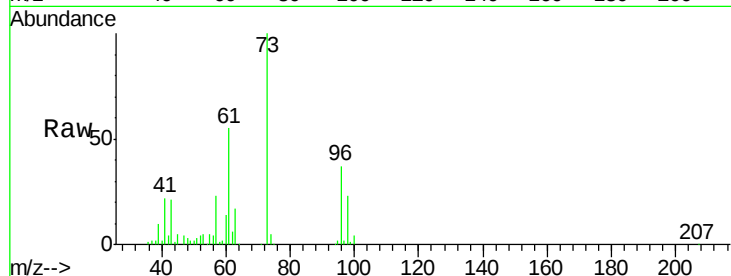
98 62.6 48.4 72.6

Manual Integrations

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MMDadoda

3/19/2020 1:59:34 PM



#22

Diisopropyl ether

Concen: 52.204 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Tgt Ion: 45 Resp: 420038

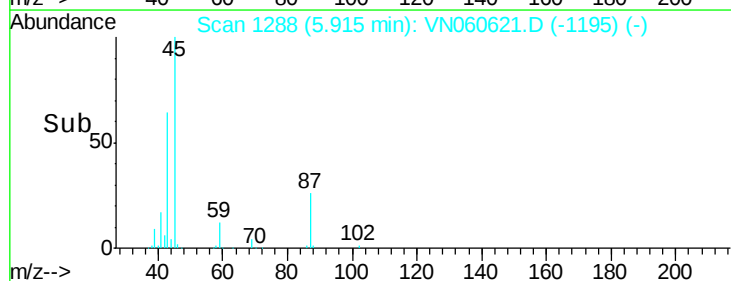
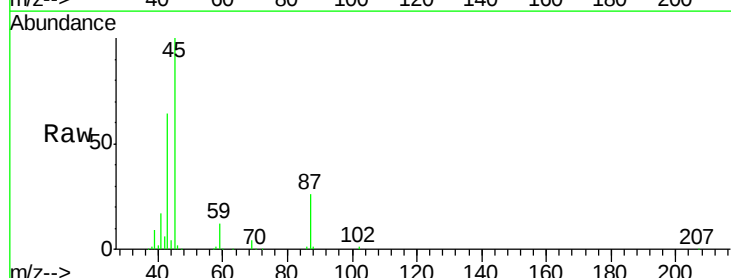
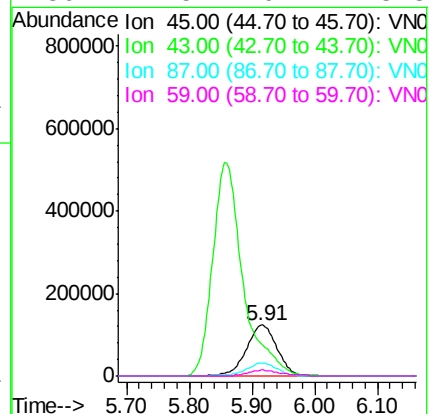
Ion Ratio Lower Upper

45 100

43 62.8 49.8 74.8

87 25.7 20.1 30.1

59 11.5 9.2 13.8





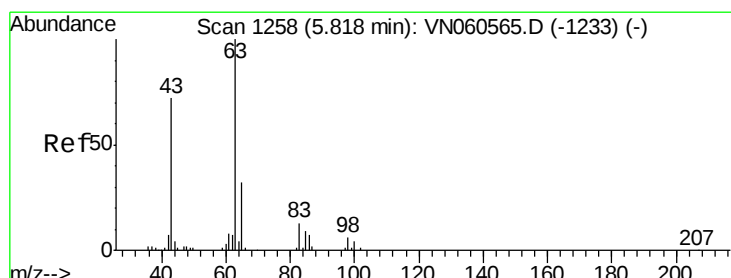
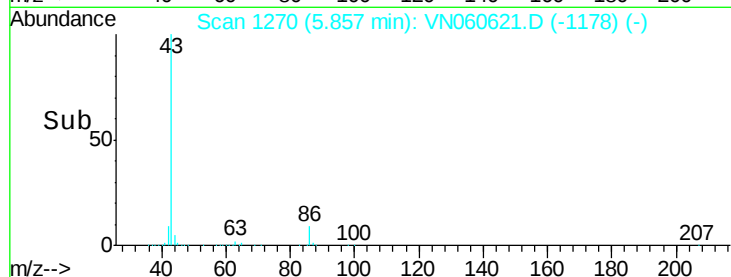
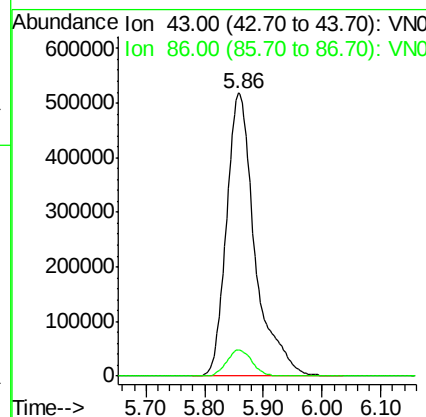
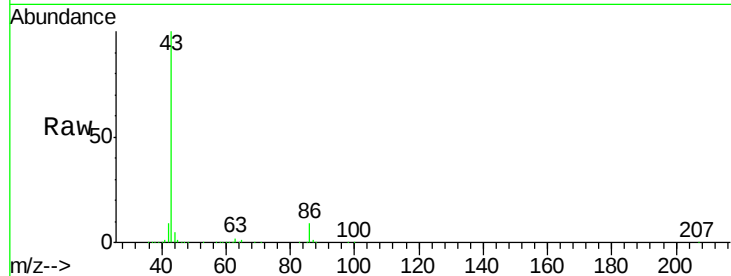
#23  
 Vinyl Acetate  
 Concen: 265.542 ug/l  
 RT: 5.86 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 1743256  
 Ion Ratio Lower Upper  
 43 100  
 86 9.4 7.6 11.4

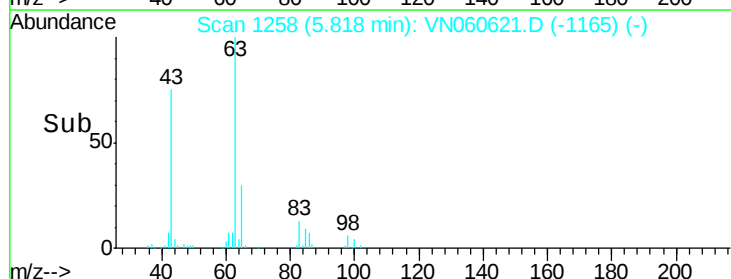
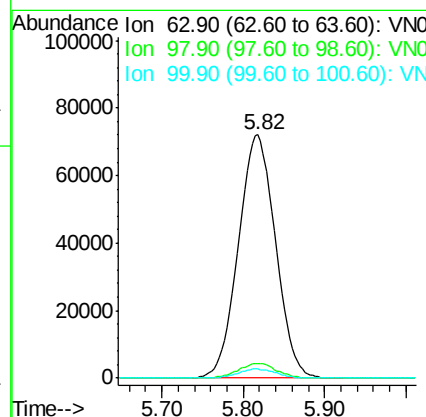
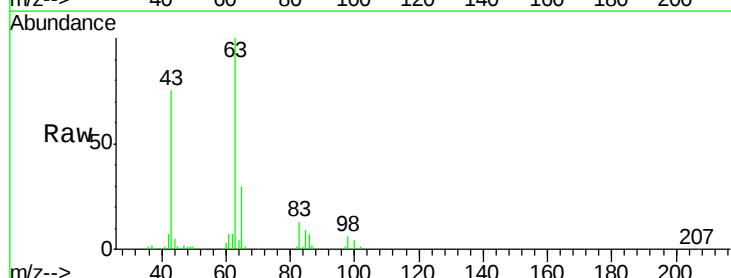
Manual Integrations  
 APPROVED

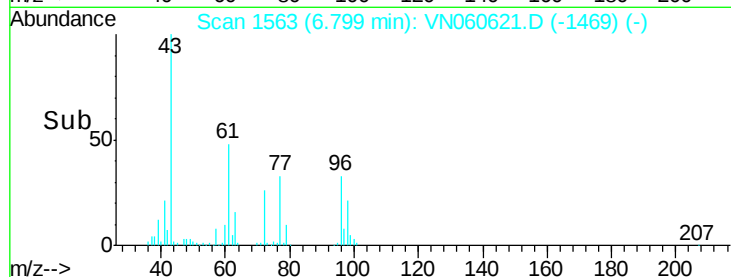
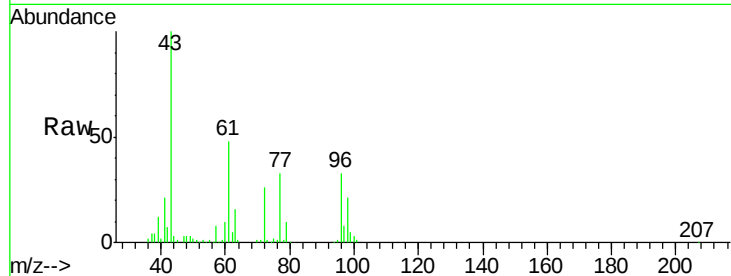
MMDadoda  
 3/19/2020 1:59:34 PM



#24  
 1,1-Dichloroethane  
 Concen: 51.836 ug/l  
 RT: 5.82 min Scan# 1258  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

Tgt Ion: 63 Resp: 227369  
 Ion Ratio Lower Upper  
 63 100  
 98 6.1 2.9 8.7  
 100 3.6 1.8 5.5





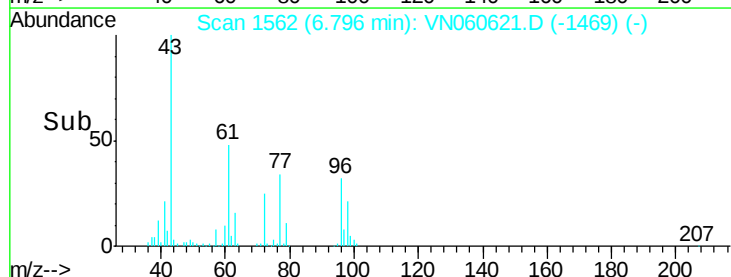
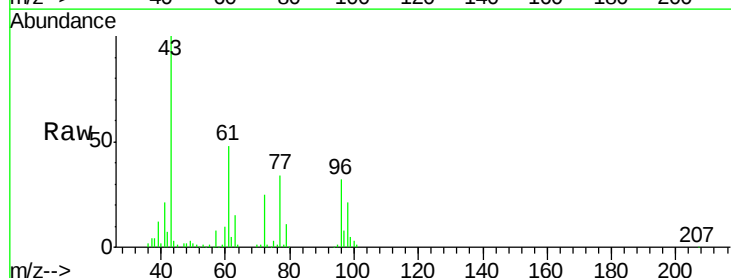
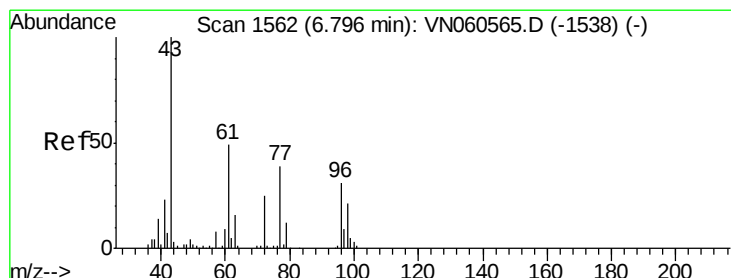
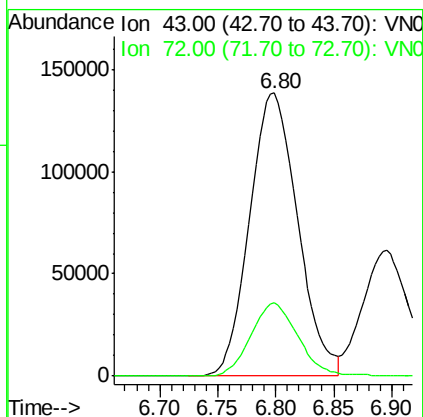
#25  
2-Butanone  
Concen: 253.359 ug/l  
RT: 6.80 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Tot Ion: 43 Resp: 398715  
Ion Ratio Lower Upper  
43 100  
72 25.8 20.4 30.6

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

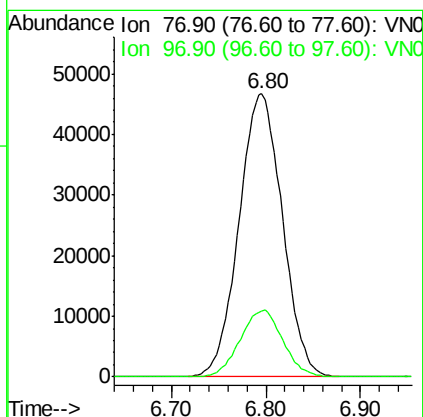
Manual Integrations  
APPROVED

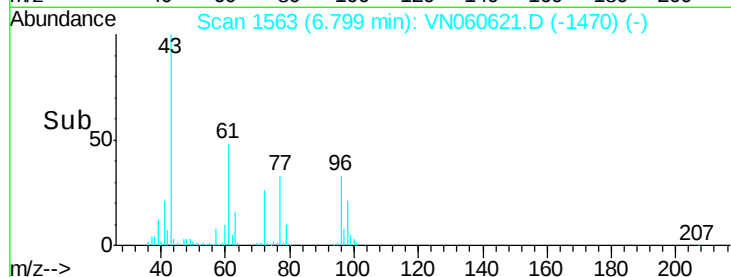
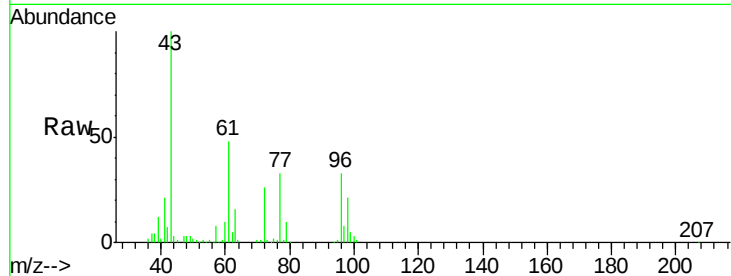
MMDadoda  
3/19/2020 1:59:34 PM



#26  
2,2-Dichloropropane  
Concen: 43.079 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Tgt Ion: 77 Resp: 148670  
Ion Ratio Lower Upper  
77 100  
97 23.1 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 50.300 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060621.D

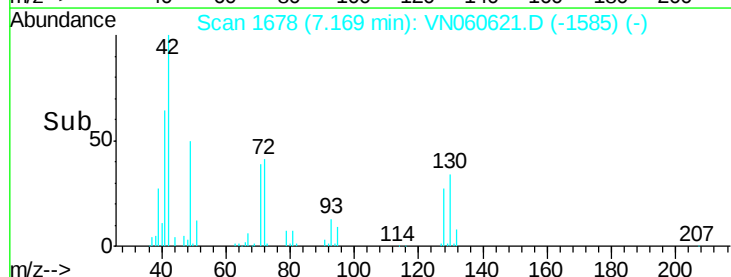
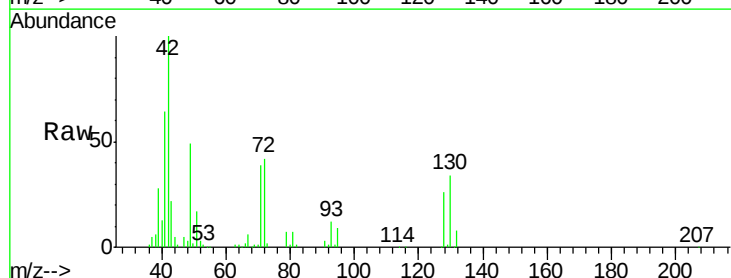
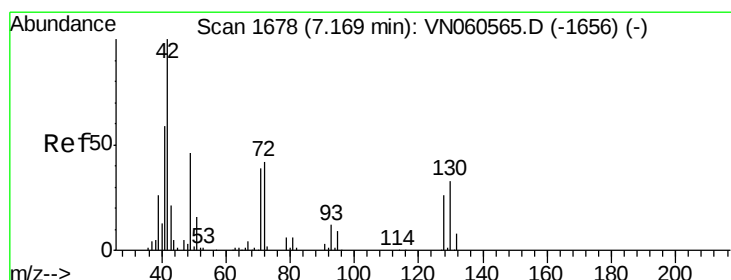
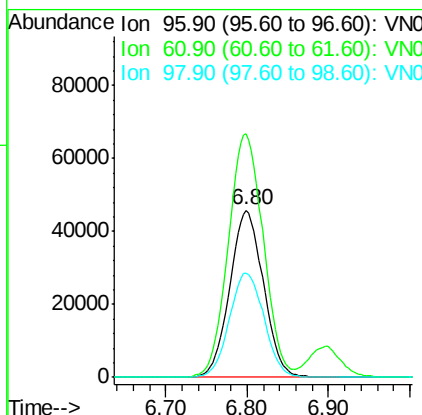
Acq: 19 Mar 2020 3:22

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 151.3 | 0.0  | 305.6 |       |
| 98      | 64.1  | 0.0  | 127.6 |       |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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3/19/2020 1:59:34 PM



#28

Bromochloromethane

Concen: 53.964 ug/l

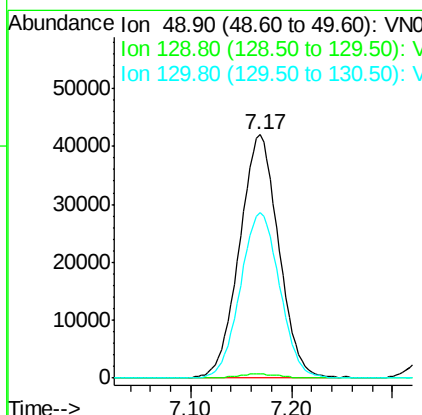
RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.6   | 0.0  | 3.4   |       |
| 130     | 68.3  | 55.0 | 82.4  |       |





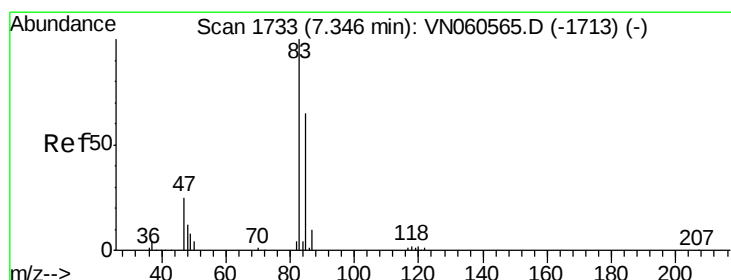
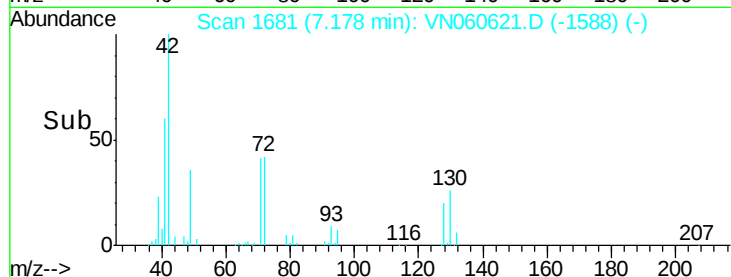
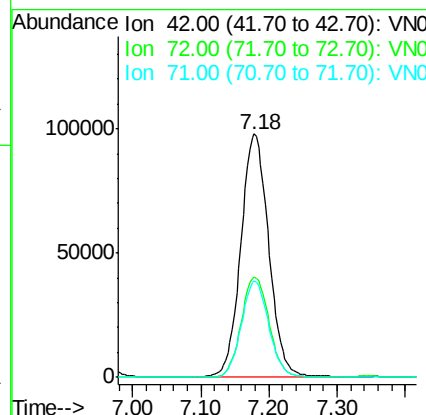
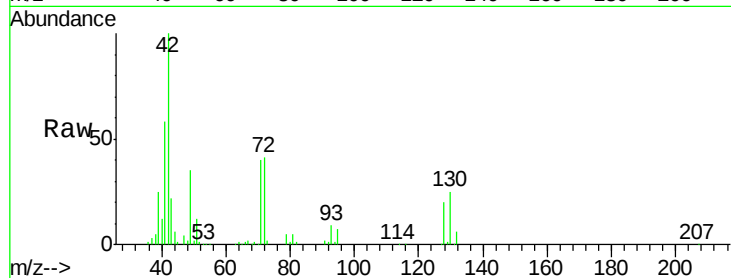
#29  
Tetrahydrofuran  
Concen: 251.079 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.1  | 33.2  | 49.8  |
| 71      | 38.5  | 31.1  | 46.7  |

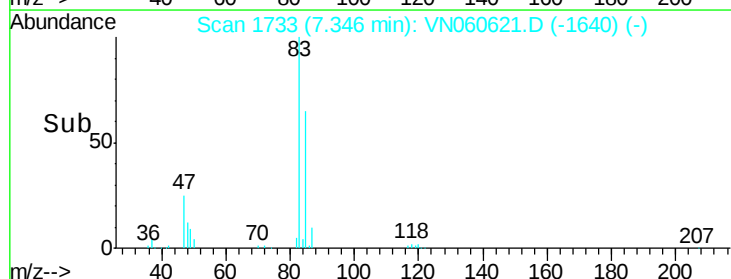
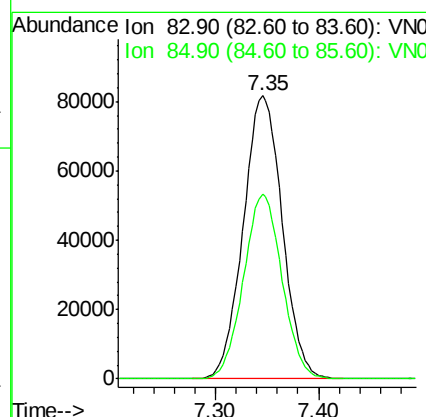
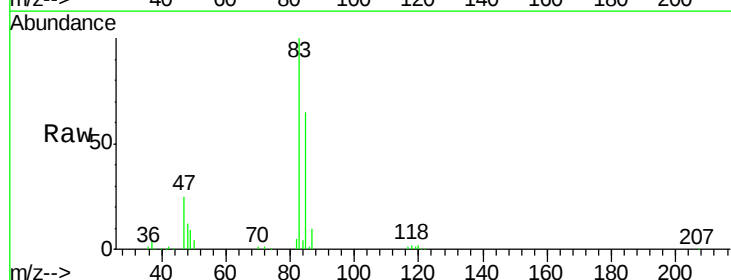
Manual Integrations  
APPROVED

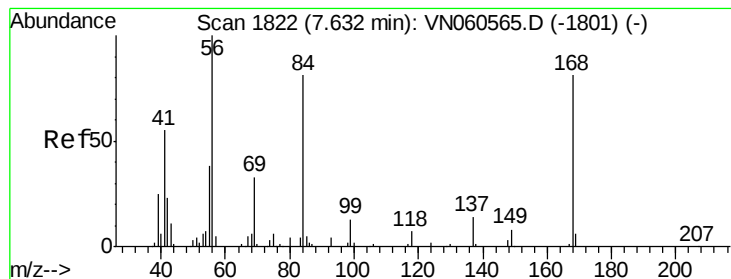
MMDadoda  
3/19/2020 1:59:34 PM



#30  
Chloroform  
Concen: 51.060 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 51.8  | 77.8  |





#31

Cyclohexane

Concen: 47.423 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 209706

Ion Ratio Lower Upper

56 100

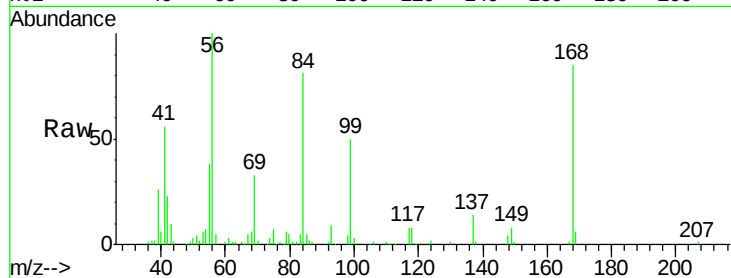
69 32.5 26.6 40.0

84 80.6 64.3 96.5

Manual Integrations  
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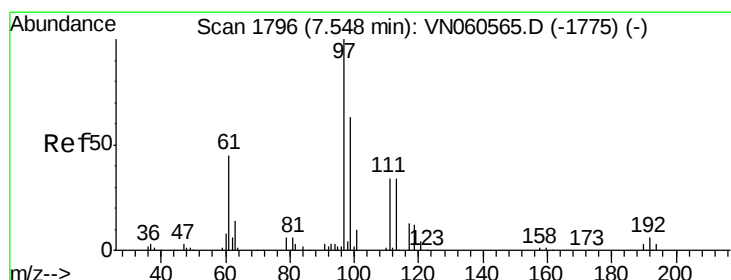
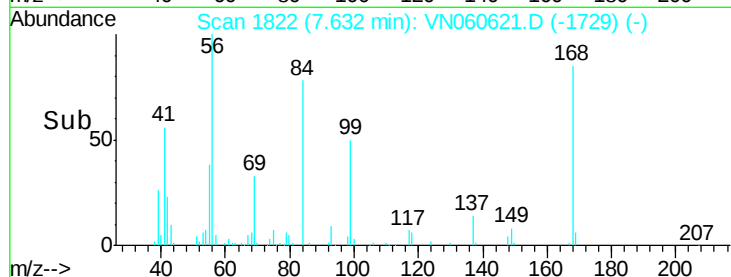
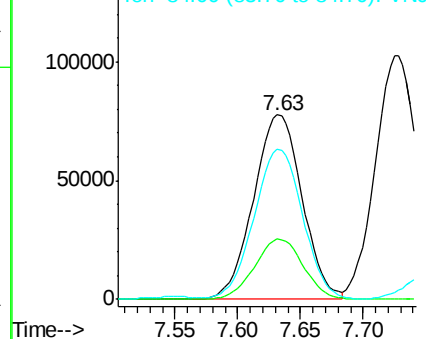
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 51.402 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

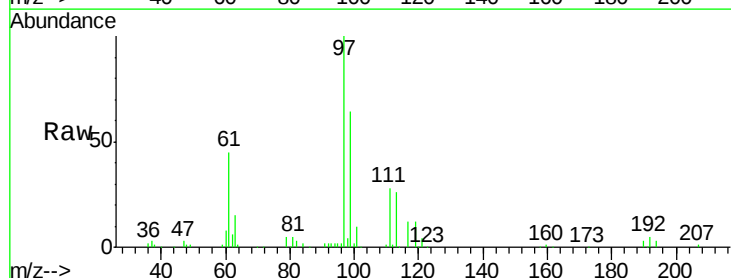
Tgt Ion: 97 Resp: 186330

Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

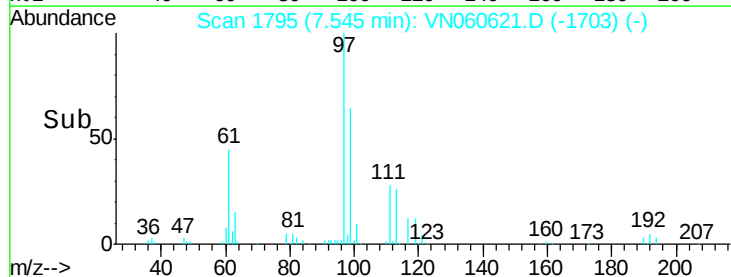
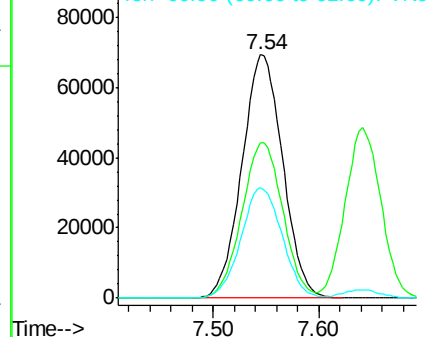
61 45.8 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 49.573 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 136106

Ion Ratio Lower Upper

65 100

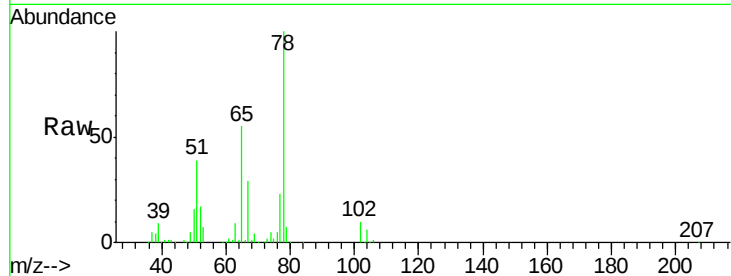
67 53.6 0.0 107.6

Manual Integrations

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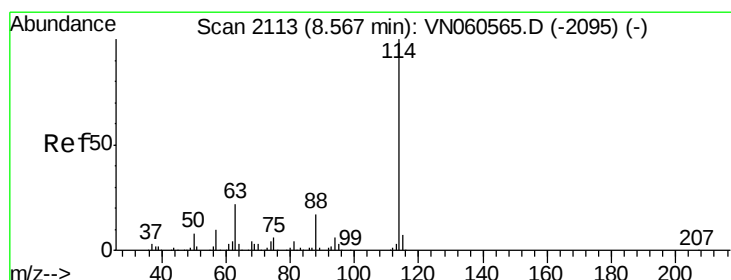
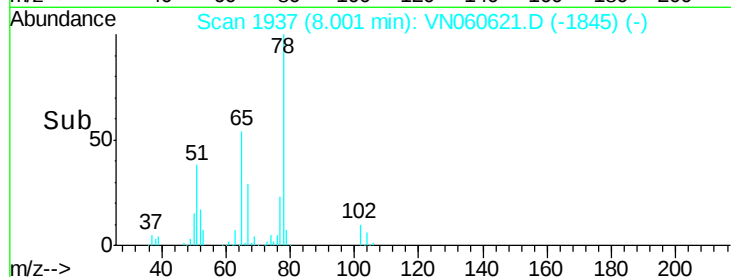
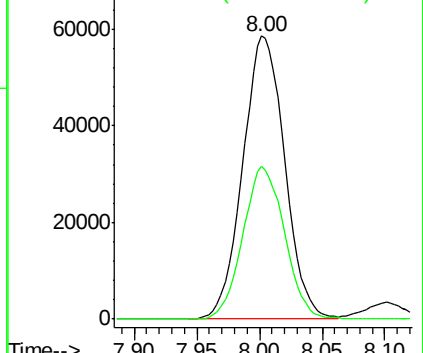
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Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

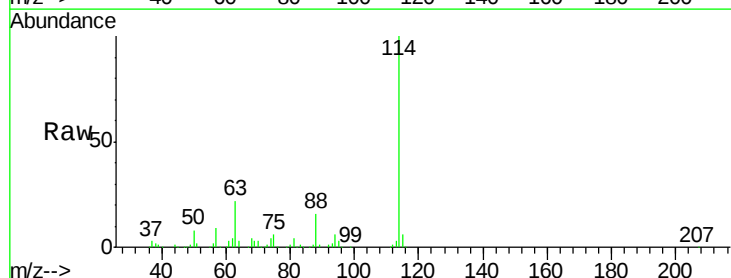
Tgt Ion: 114 Resp: 345684

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

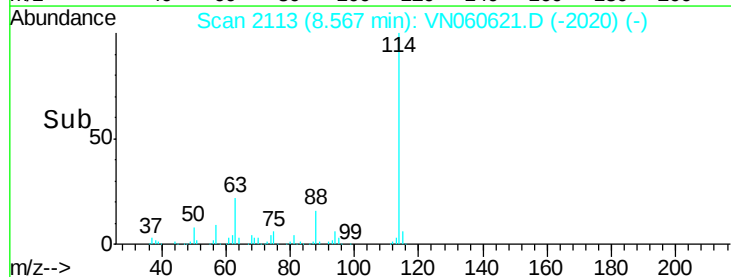
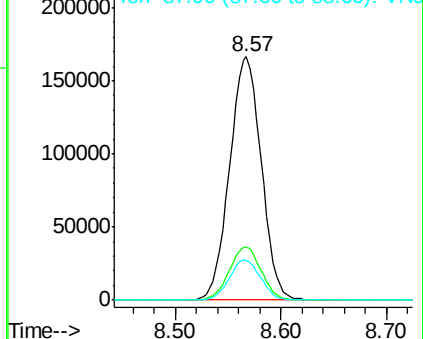
88 16.3 0.0 33.0

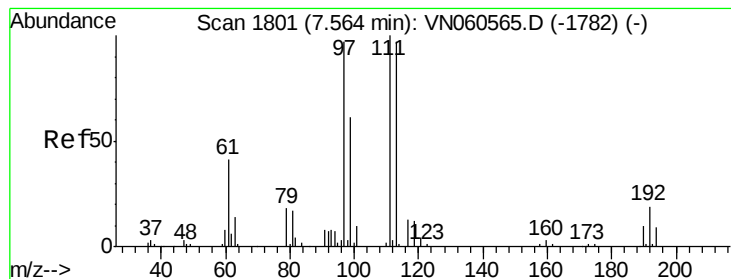


Abundance Ion 113.90 (113.60 to 114.60): VN060565.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060565.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060565.D (-2095) (-)





#35

Dibromofluoromethane

Concen: 48.413 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

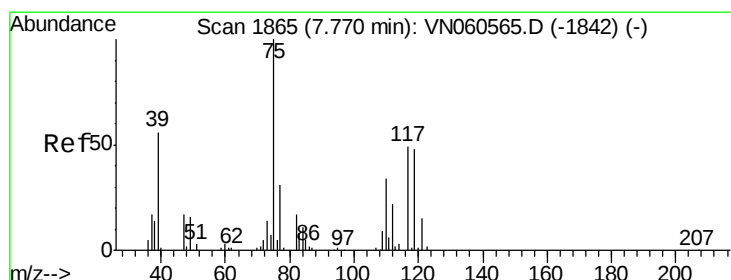
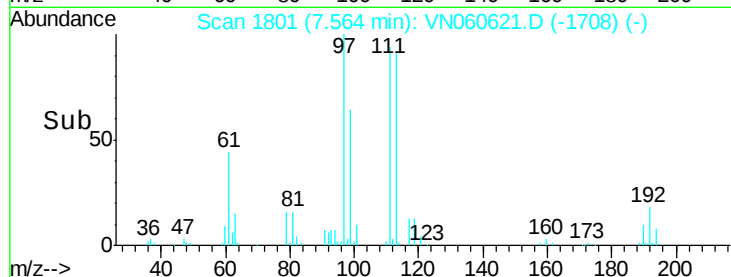
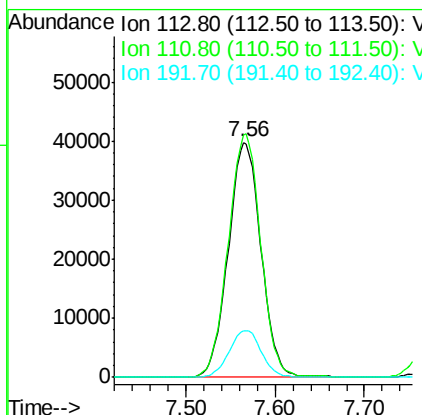
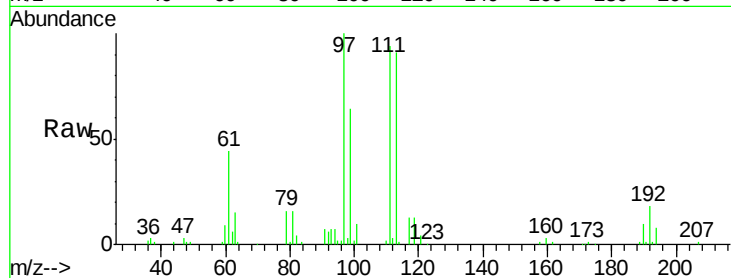
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 101195 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.2 | 82.9  | 124.3  |
| 192       | 19.5  | 15.8  | 23.8   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 49.680 ug/l

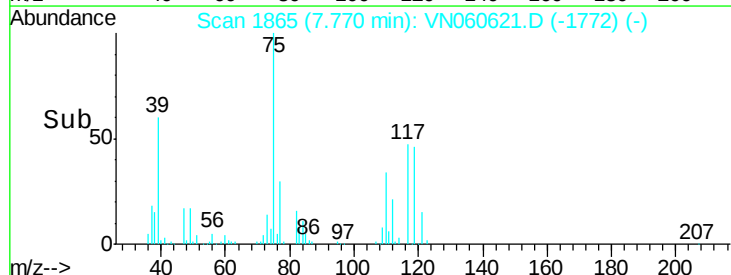
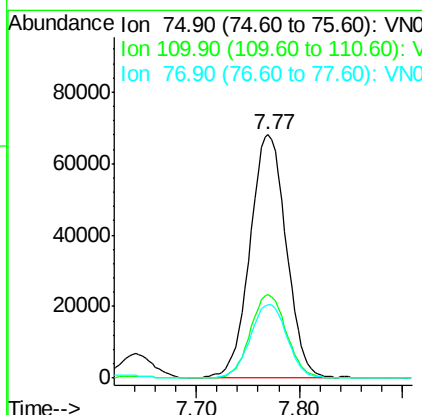
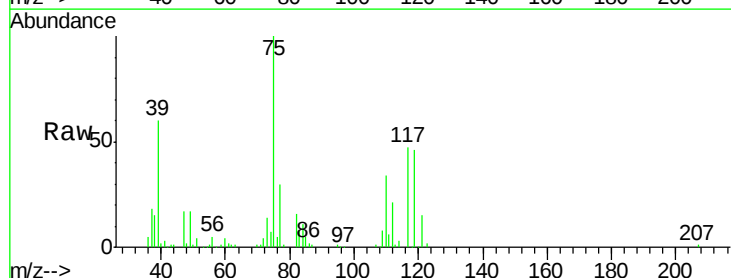
RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 166294 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 33.9  | 16.9  | 50.6   |
| 77        | 30.9  | 24.6  | 36.8   |





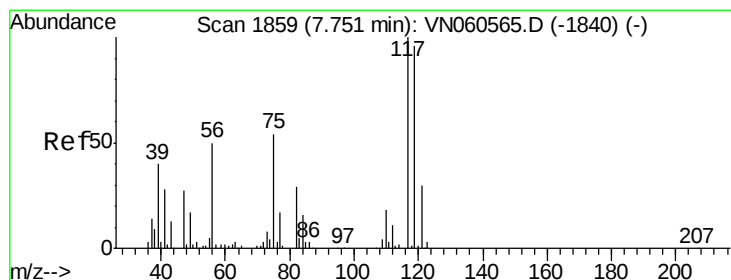
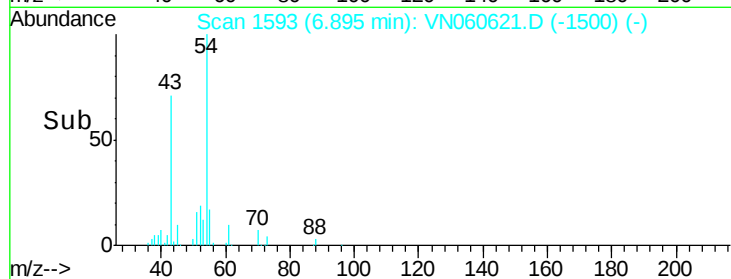
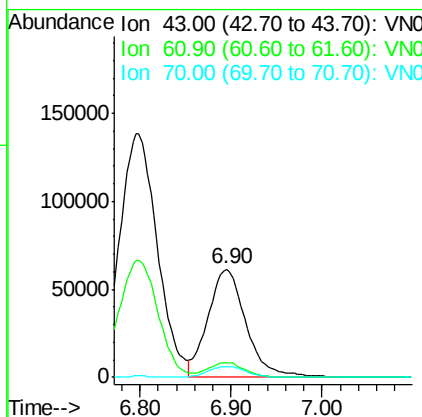
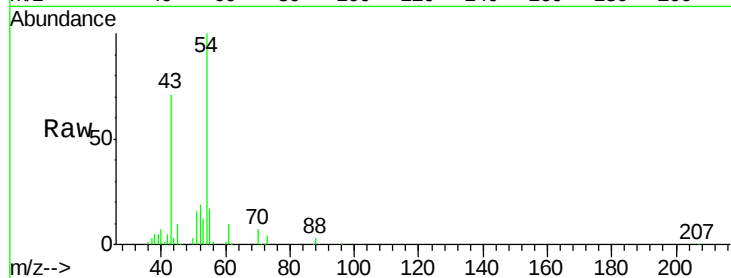
#37  
Ethyl Acetate  
Concen: 48.463 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.4  | 10.6  | 15.8  |
| 70      | 10.2  | 7.9   | 11.9  |

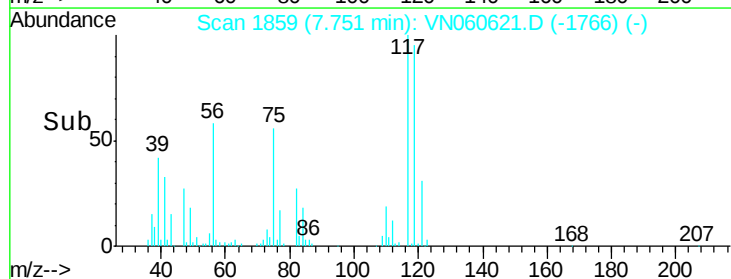
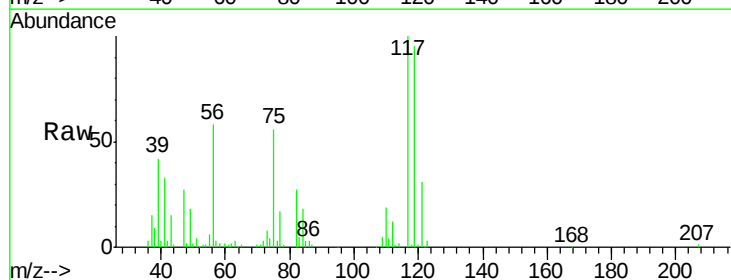
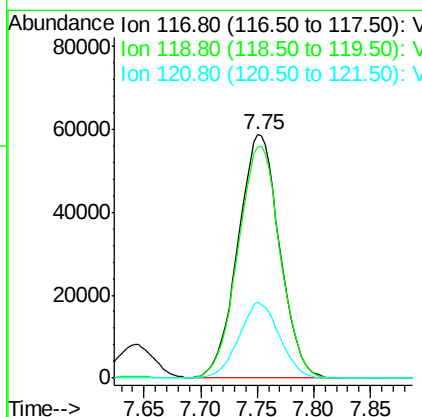
Manual Integrations  
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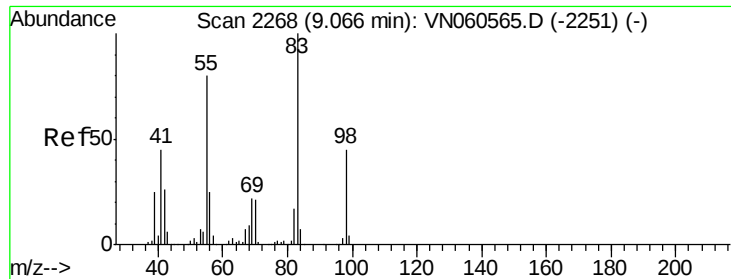
MMDadoda  
3/19/2020 1:59:34 PM



#38  
Carbon Tetrachloride  
Concen: 50.020 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.9  | 76.2  | 114.2 |
| 121     | 31.1  | 23.7  | 35.5  |





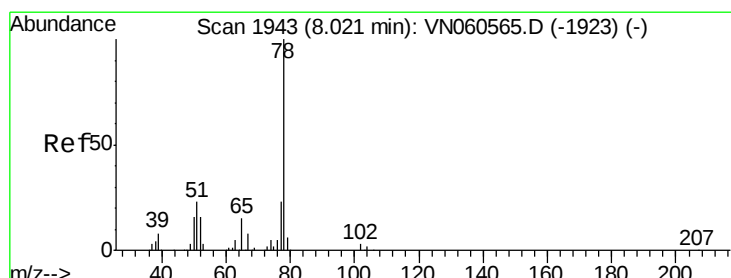
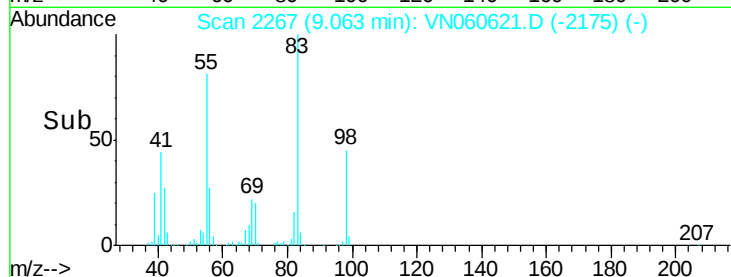
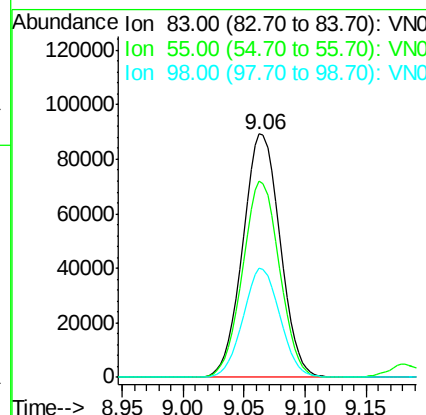
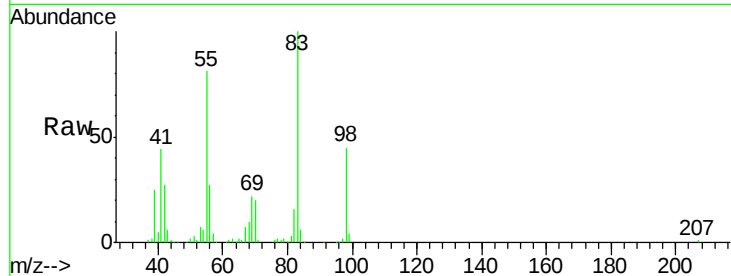
#39  
Methvlcvclohexane  
Concen: 47.455 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.6  | 63.6  | 95.4  |
| 98      | 44.7  | 36.0  | 54.0  |

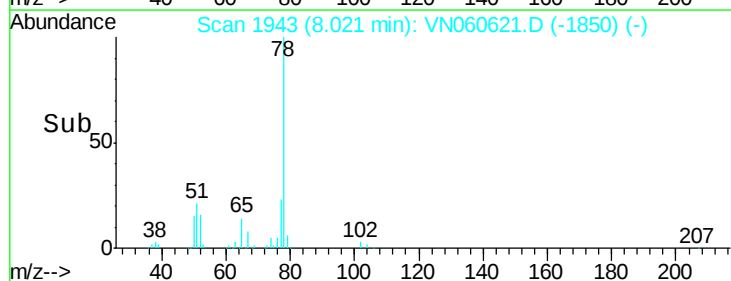
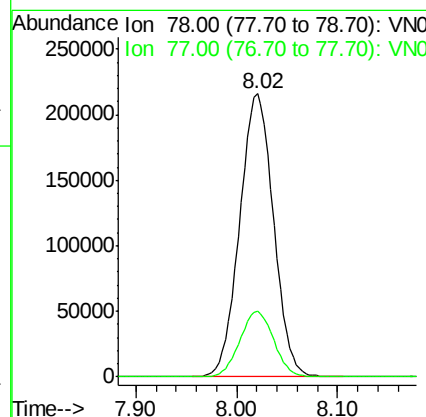
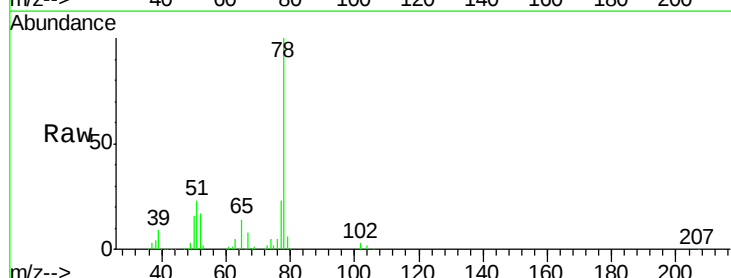
Manual Integrations  
APPROVED

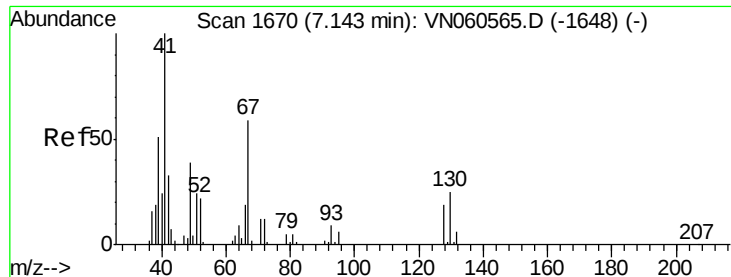
MMDadoda  
3/19/2020 1:59:34 PM



#40  
Benzene  
Concen: 49.735 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.0  | 18.6  | 28.0  |





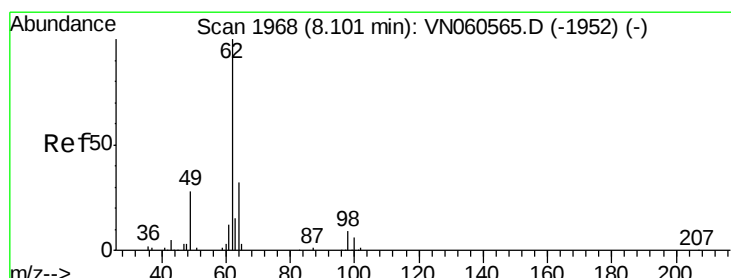
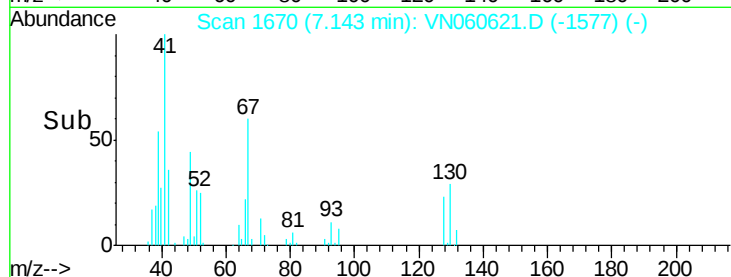
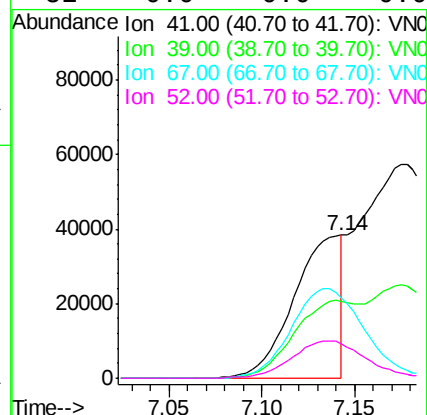
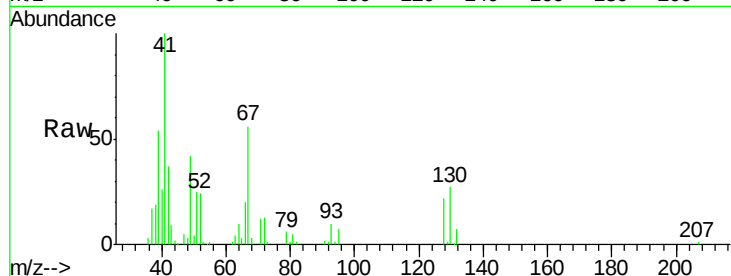
#41  
Methacrylonitrile  
Concen: 44.878 ug/l m  
RT: 7.14 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 41    | Resp  | 69271 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 0.0   | 0.0   | 0.0   |
| 67        | 0.0   | 0.0   | 0.0   |
| 52        | 0.0   | 0.0   | 0.0   |

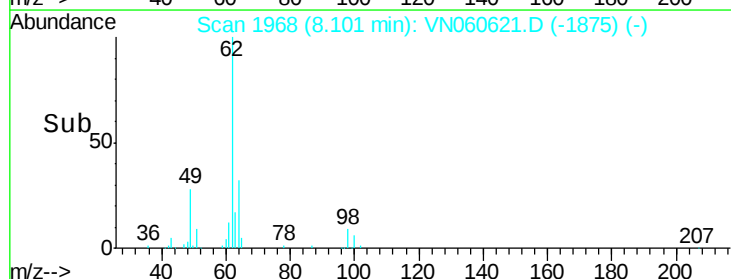
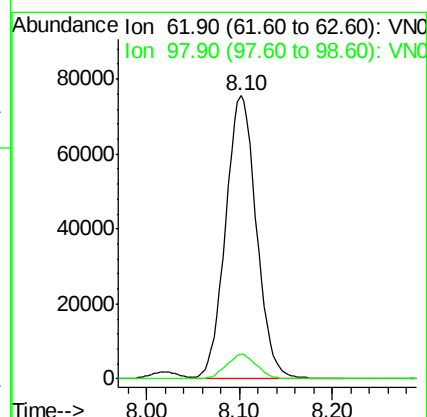
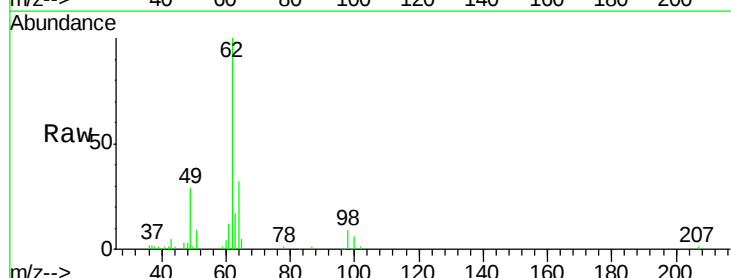
Manual Integrations  
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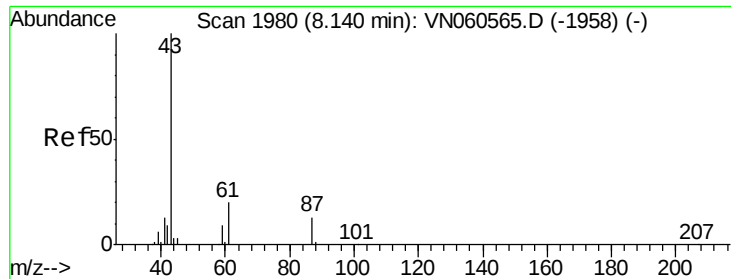
MMDadoda  
3/19/2020 1:59:34 PM



#42  
1,2-Dichloroethane  
Concen: 50.552 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion   | 62    | Resp  | 174571 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 8.4   | 0.0   | 17.8   |





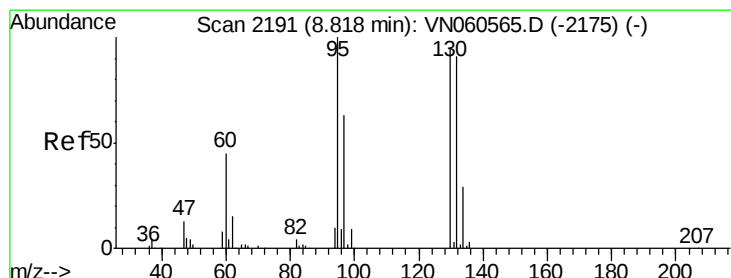
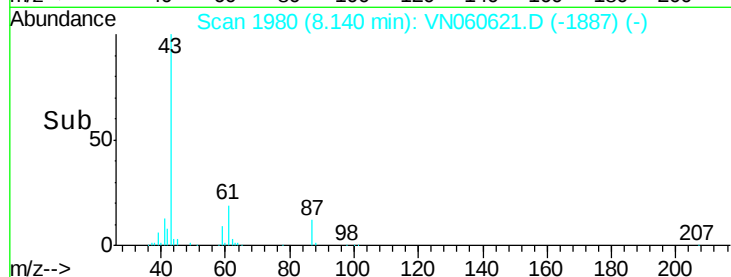
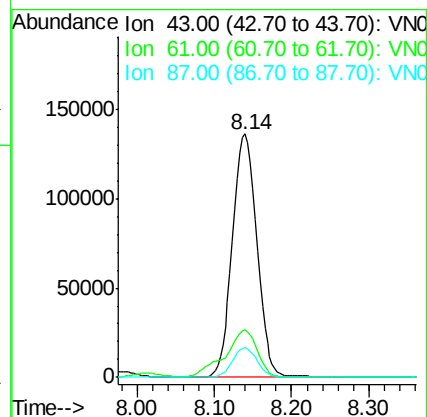
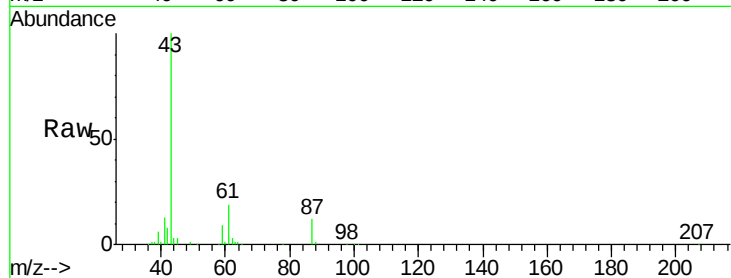
#43  
Isopropyl Acetate  
Concen: 50.252 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.7  | 20.7  | 31.1  |
| 87      | 12.1  | 9.8   | 14.8  |

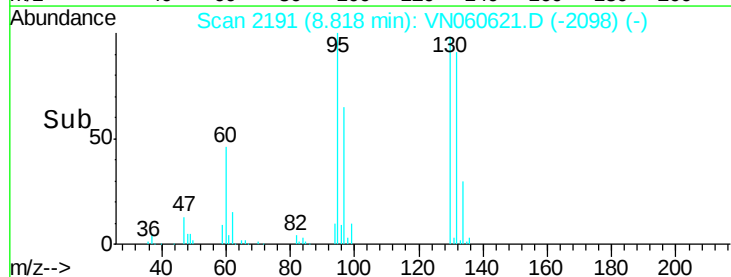
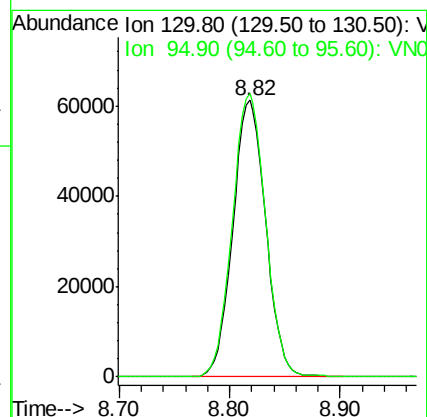
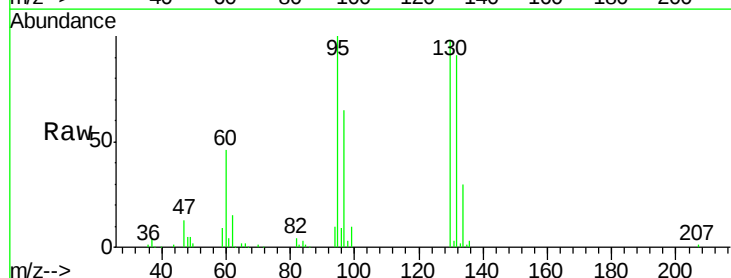
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#44  
Trichloroethene  
Concen: 49.633 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 102.4 | 0.0   | 211.2 |





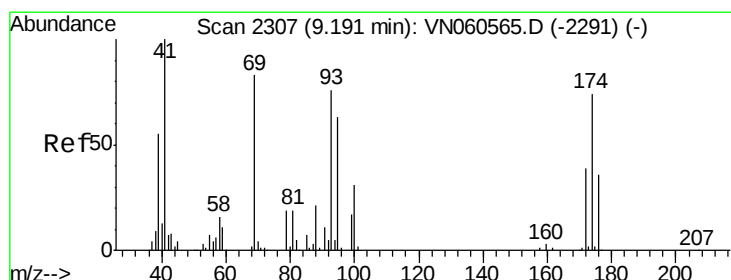
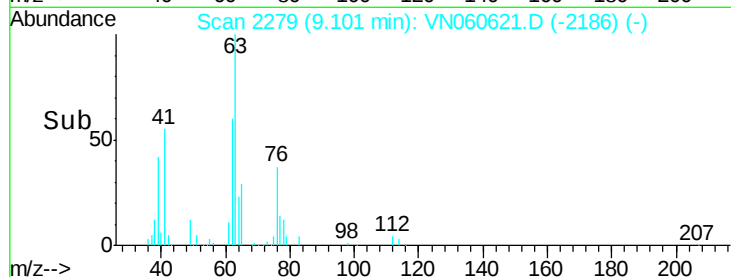
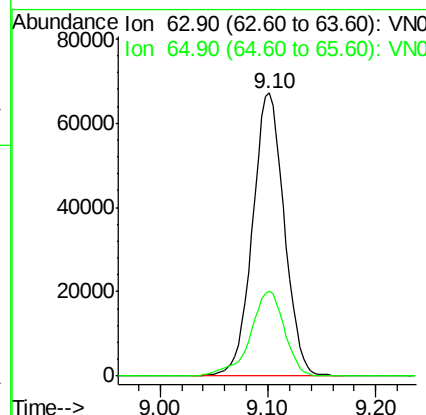
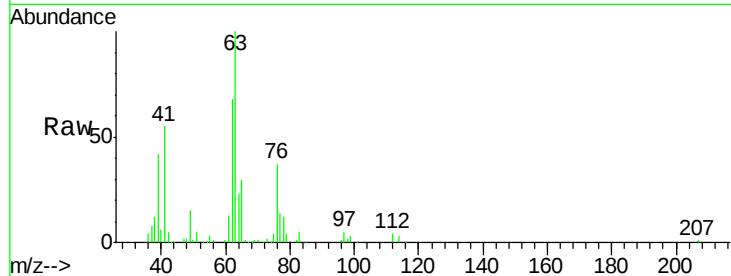
#45  
 1,2-Dichloropropane  
 Concen: 51.306 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 136797  
 Ion Ratio Lower Upper  
 63 100  
 65 29.8 25.4 38.0

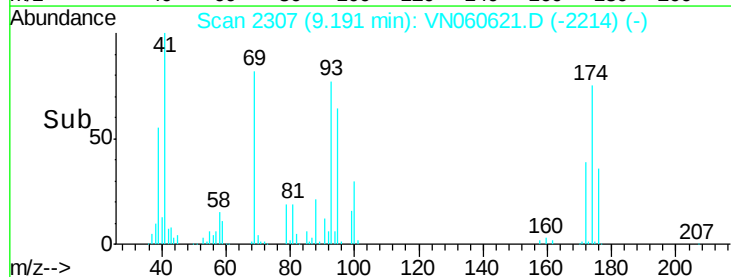
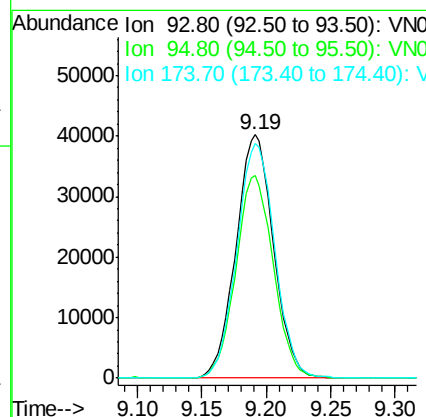
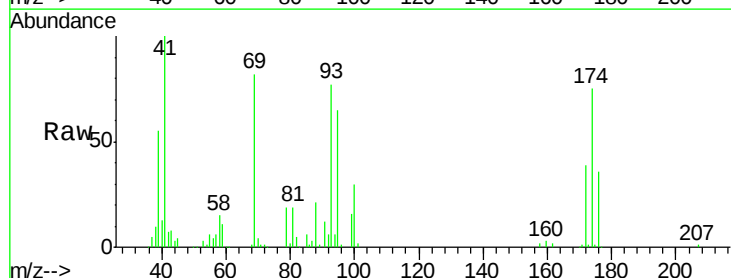
Manual Integrations  
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#46  
 Dibromomethane  
 Concen: 50.494 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

Tgt Ion: 93 Resp: 81393  
 Ion Ratio Lower Upper  
 93 100  
 95 83.3 66.2 99.4  
 174 97.5 77.9 116.9





#47

Bromodichloromethane

Concen: 50.935 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

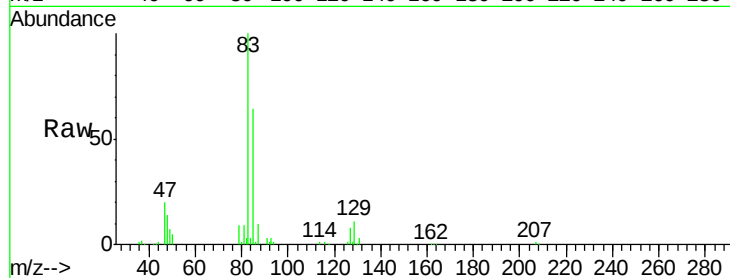
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 170611 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.0  | 51.8  | 77.6   |
| 127       | 8.2   | 6.5   | 9.7    |

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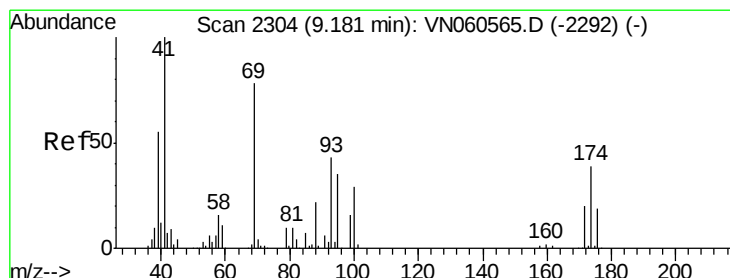
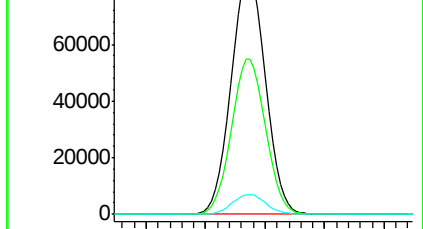
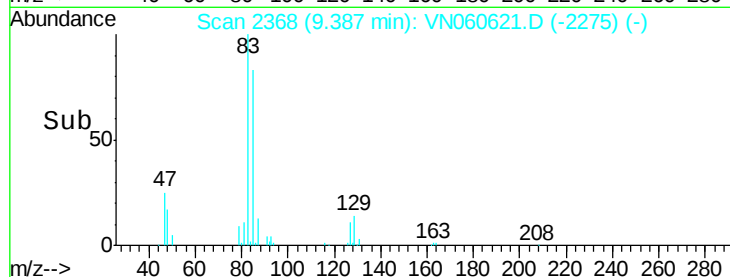


Abundance Ion 82.90 (82.60 to 83.60): VN060621.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060621.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060621.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 49.731 ug/l

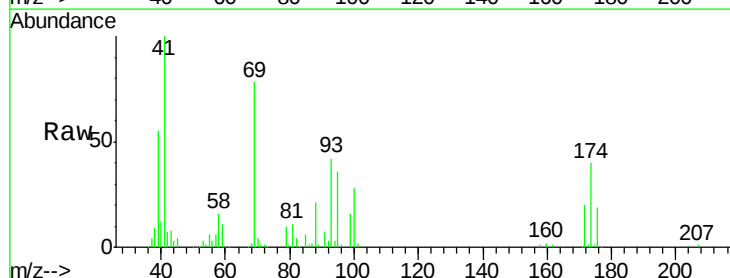
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 132072 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 82.4  | 65.4  | 98.0   |
| 39        | 57.6  | 44.0  | 66.0   |

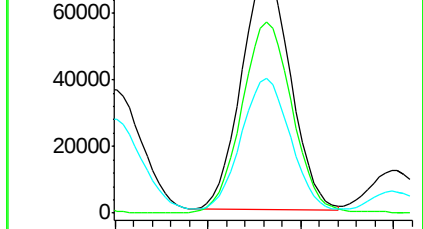
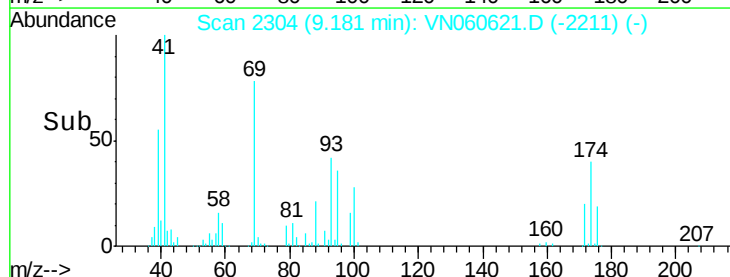


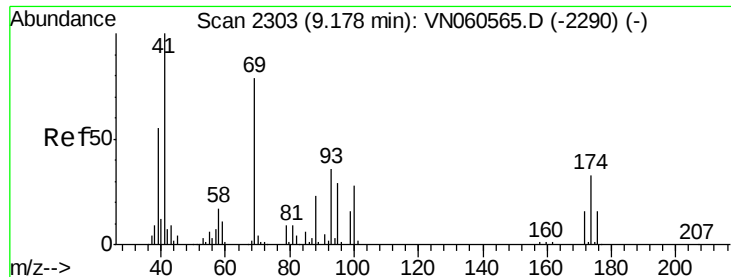
Abundance Ion 41.00 (40.70 to 41.70): VN060621.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060621.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060621.D (-2211) (-)

Time-->





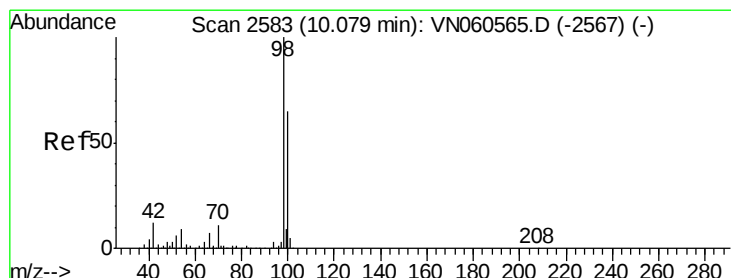
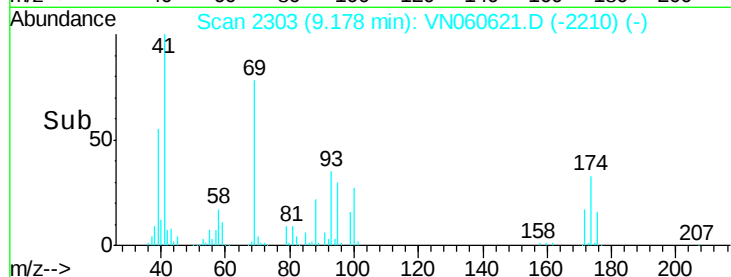
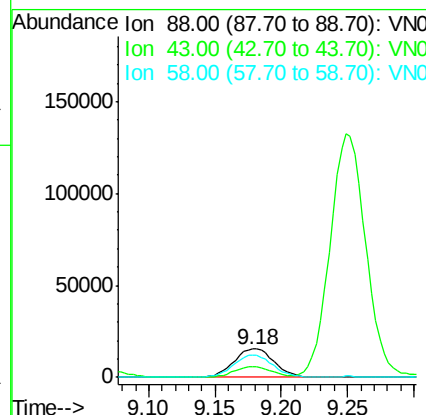
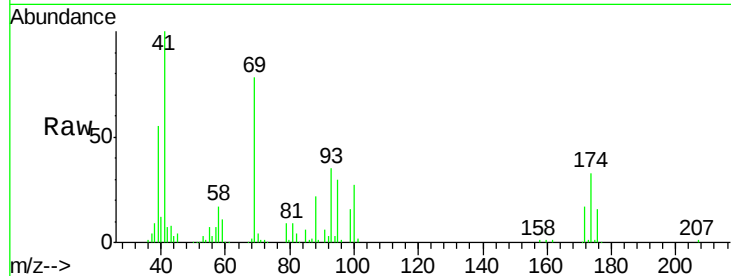
#49  
1,4-Dioxane  
Concen: 1037.879 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 37.1  | 30.8  | 46.2  |
| 58      | 76.7  | 59.8  | 89.8  |

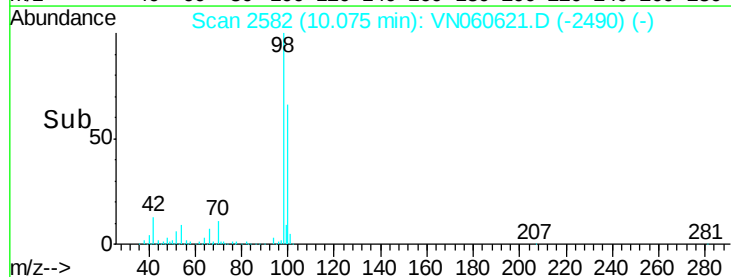
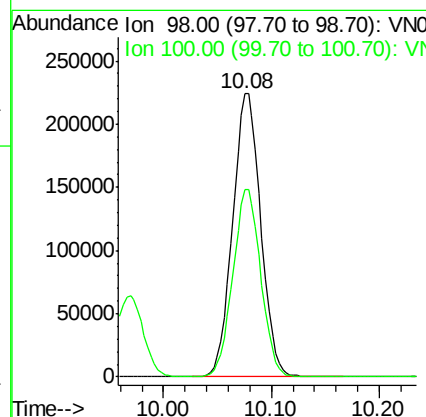
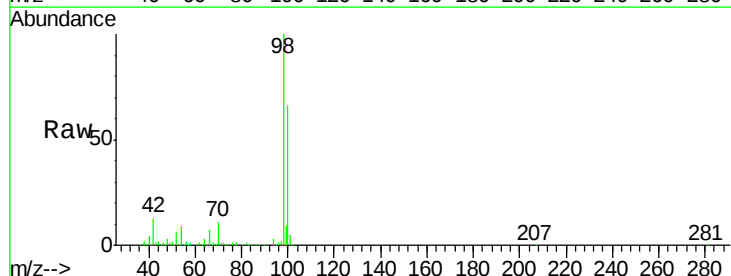
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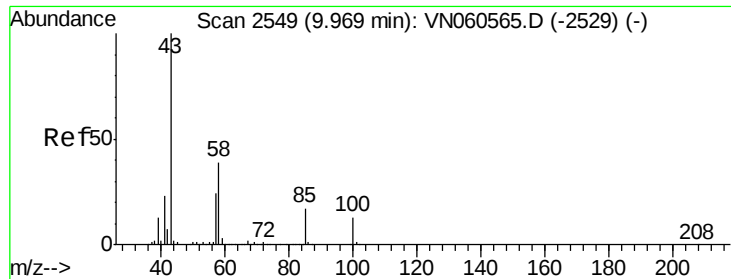
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#50  
Toluene-d8  
Concen: 47.572 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.9  | 51.8  | 77.8  |





#51

4-Methyl-2-Pentanone

Concen: 254.401 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 863501

Ion Ratio Lower Upper

43 100

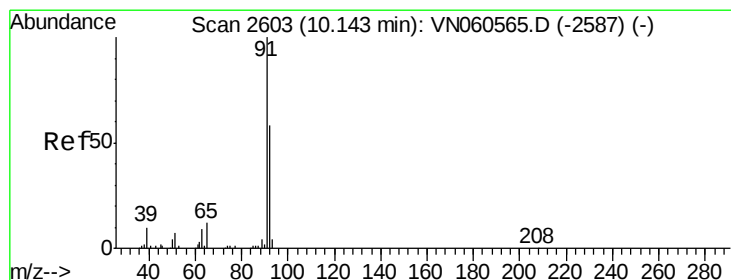
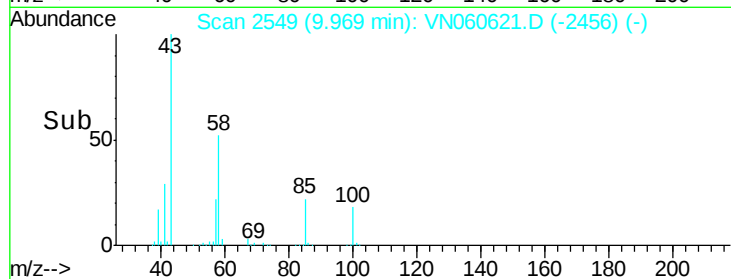
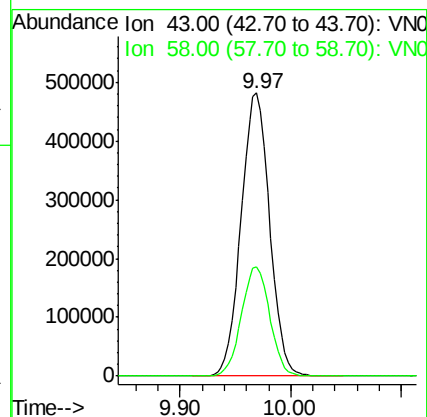
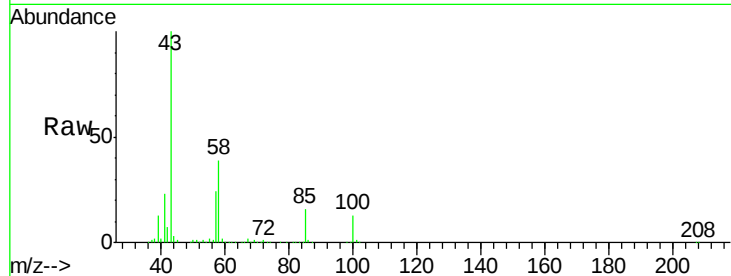
58 38.5 30.8 46.2

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#52

Toluene

Concen: 49.757 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060621.D

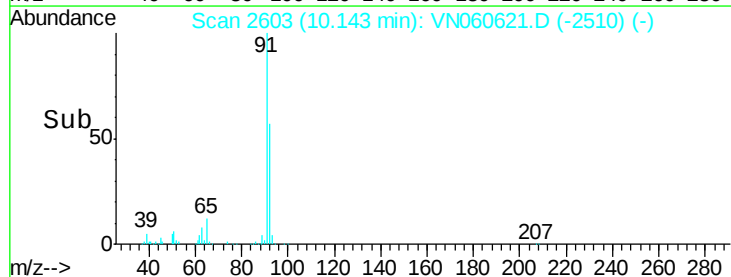
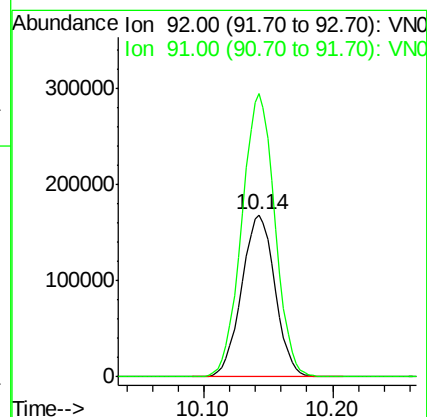
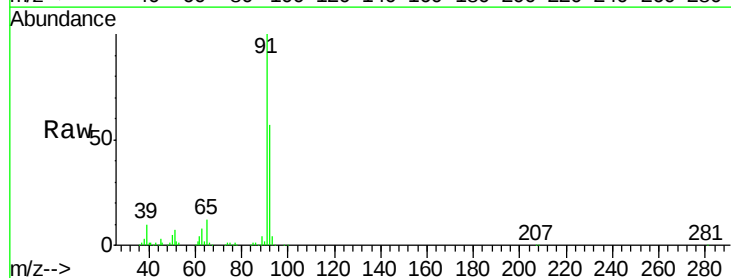
Acq: 19 Mar 2020 3:22

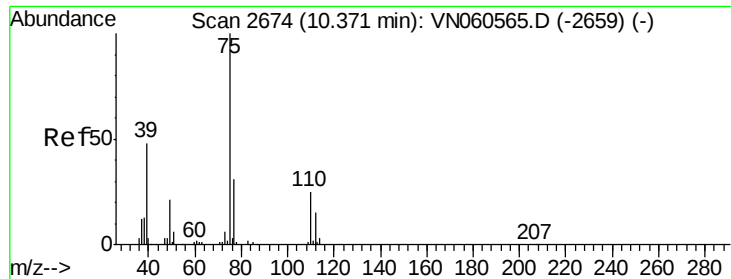
Tgt Ion: 92 Resp: 303645

Ion Ratio Lower Upper

92 100

91 173.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 49.924 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 192089

Ion Ratio Lower Upper

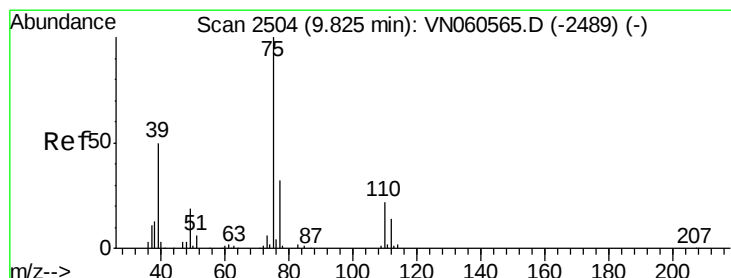
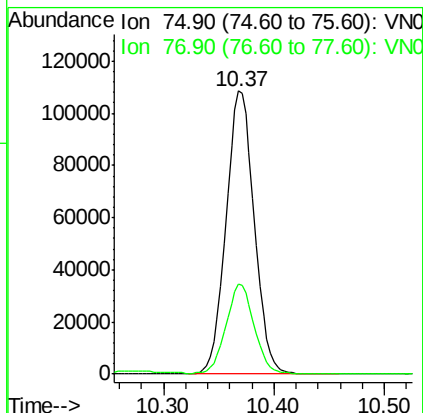
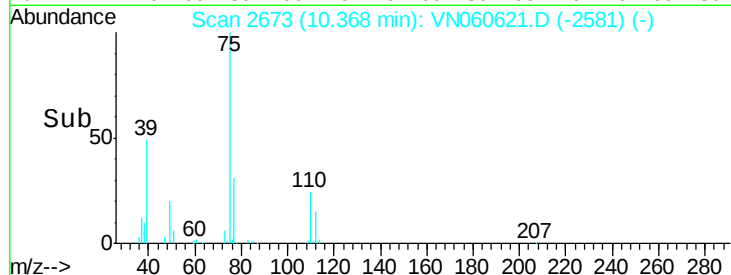
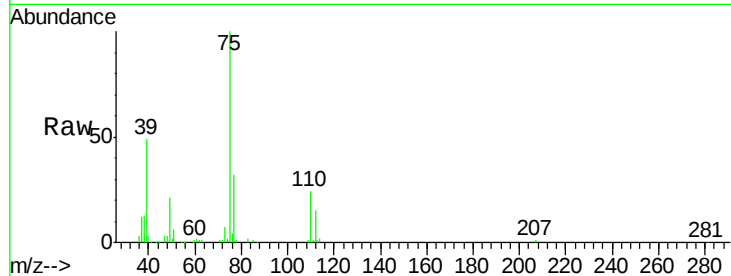
75 100

77 31.4 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 49.356 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

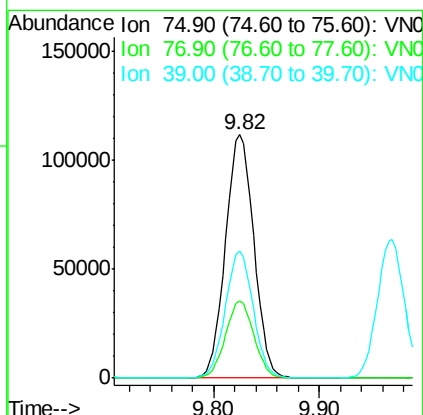
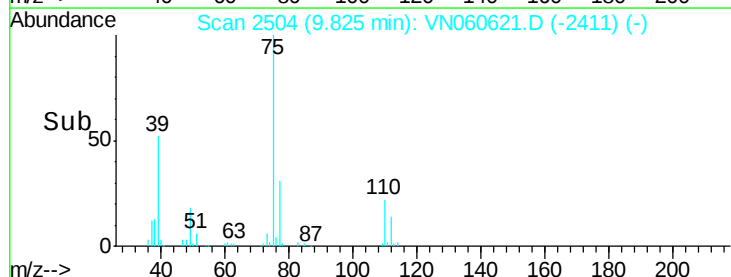
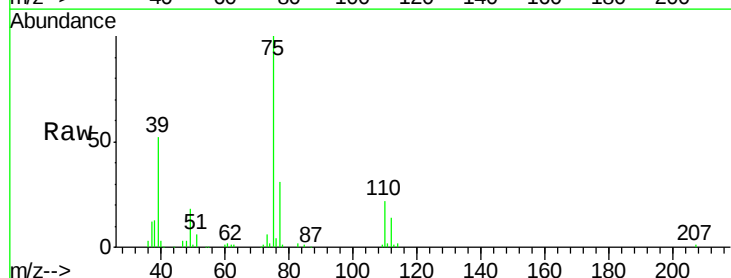
Tgt Ion: 75 Resp: 208334

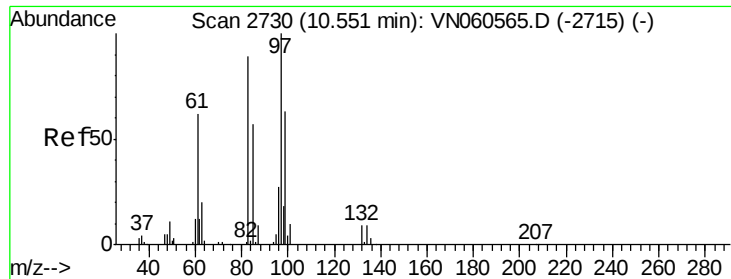
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 52.2 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 49.969 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

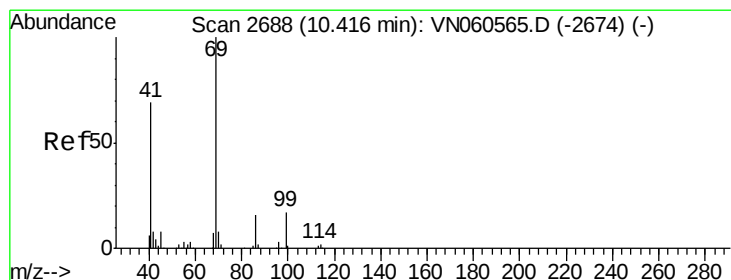
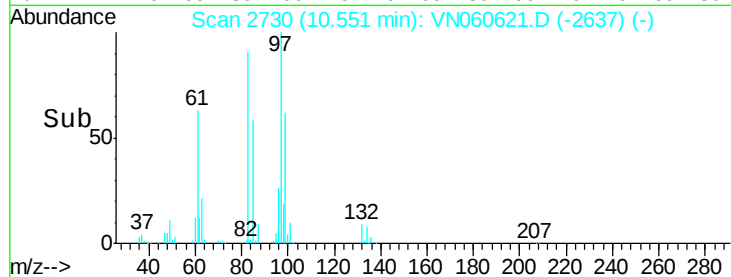
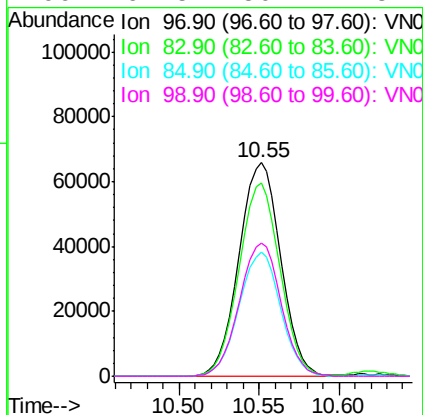
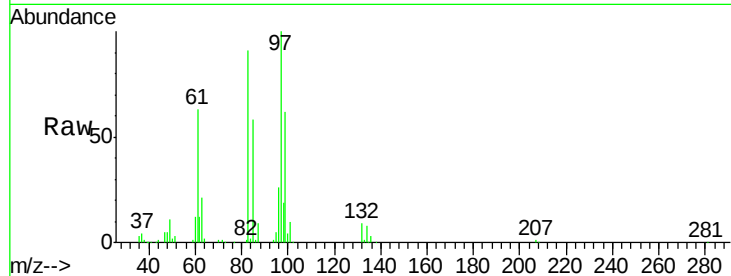
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 117313 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 90.5  | 71.3  | 106.9  |
| 85       | 57.9  | 45.2  | 67.8   |
| 99       | 62.5  | 50.1  | 75.1   |

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#56

Ethyl methacrylate

Concen: 51.603 ug/l

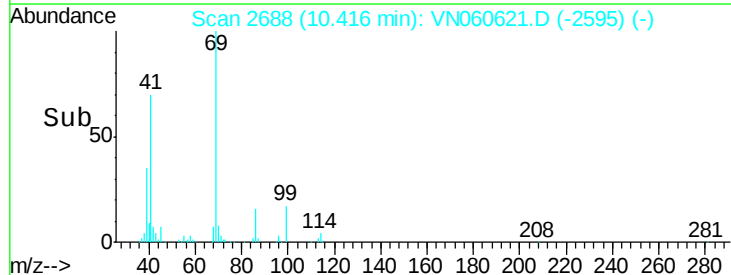
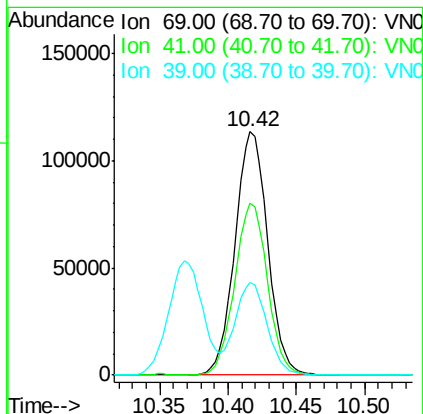
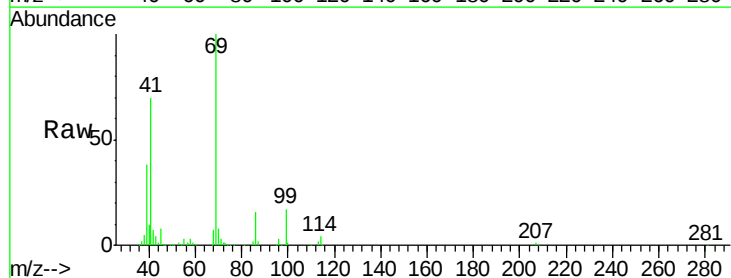
RT: 10.42 min Scan# 2688

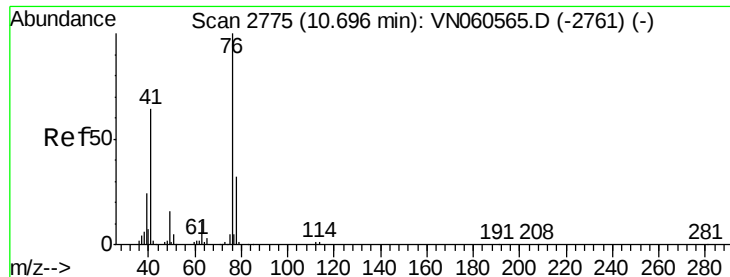
Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 188899 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 70.3  | 55.4  | 83.2   |
| 39       | 37.7  | 29.4  | 44.0   |





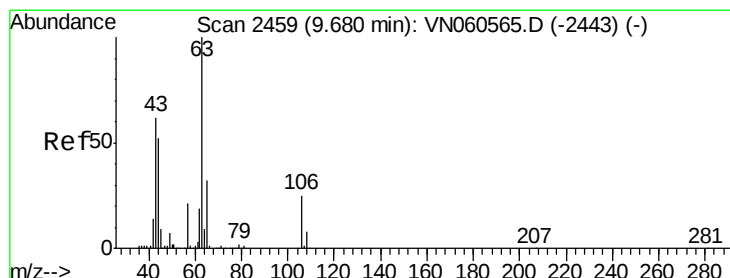
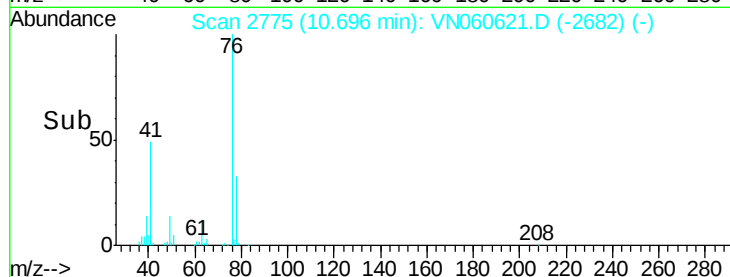
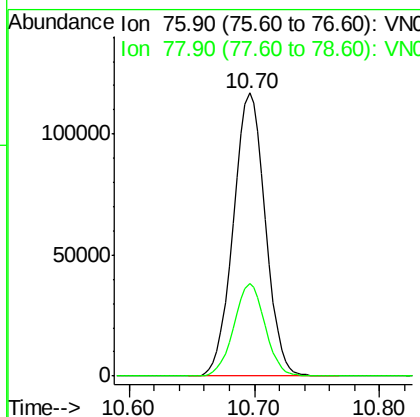
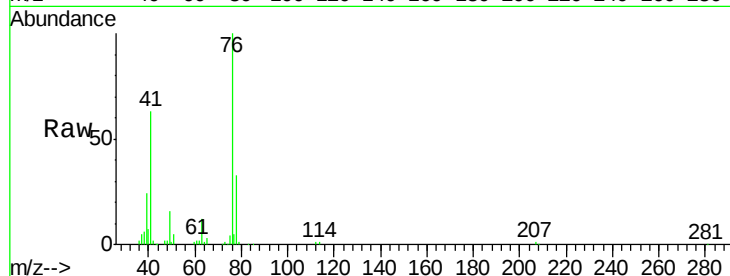
#57  
 1,3-Dichloropropane  
 Concen: 50.758 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.9  | 25.8  | 38.6  |

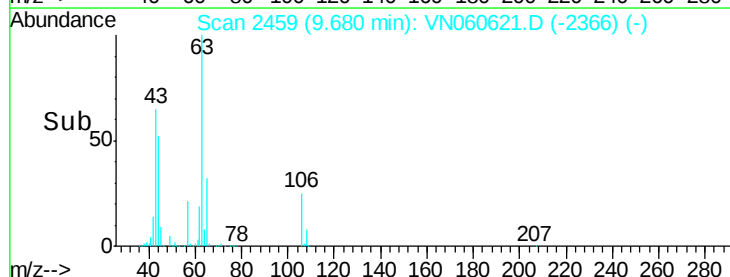
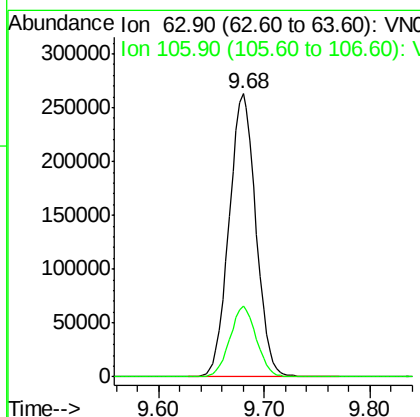
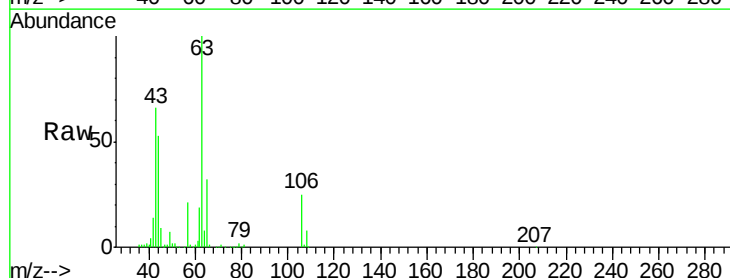
Manual Integrations  
 APPROVED

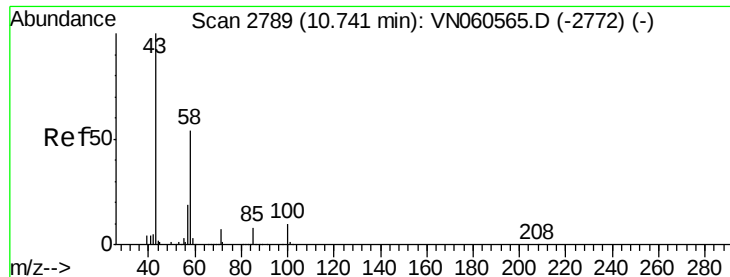
MMDadoda  
 3/19/2020 1:59:34 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 253.271 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 24.7  | 20.0  | 30.0  |





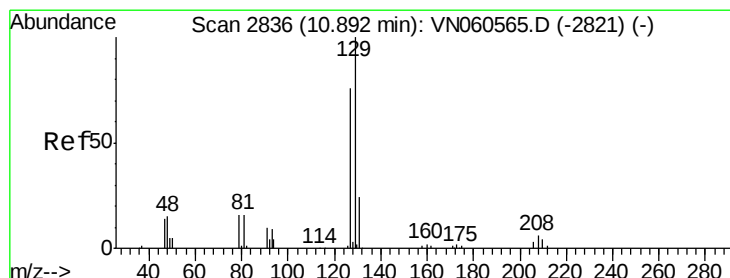
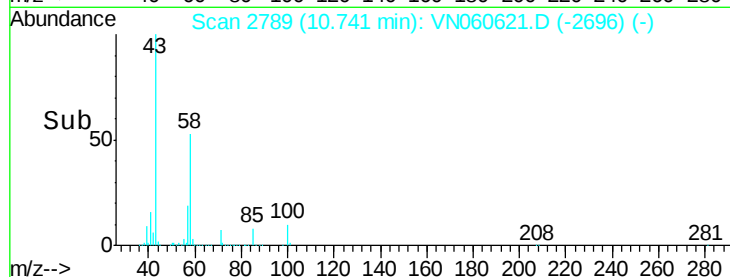
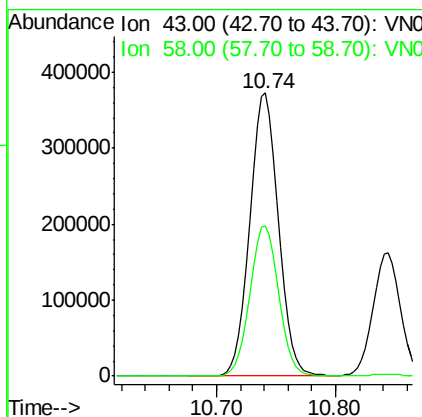
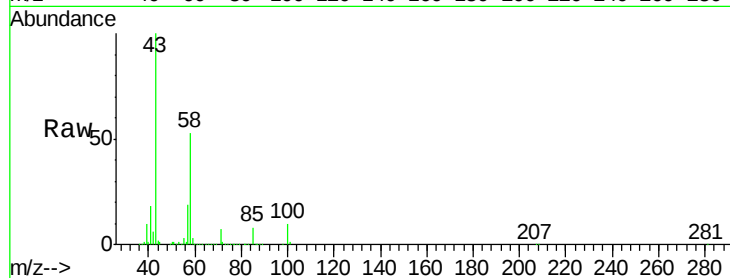
#59  
2-Hexanone  
Concen: 253.935 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 620887  
Ion Ratio Lower Upper  
43 100  
58 53.5 26.7 80.1

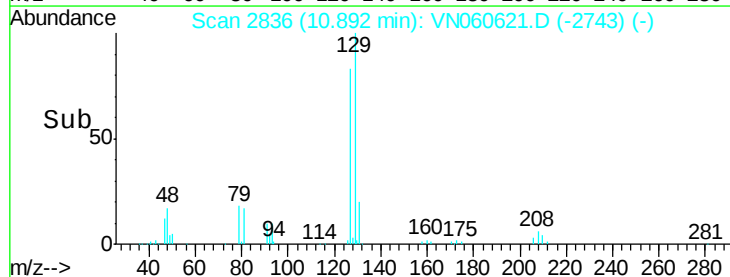
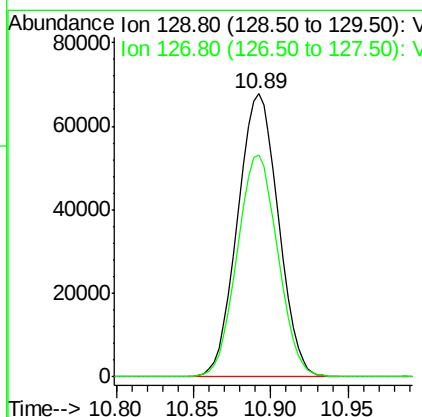
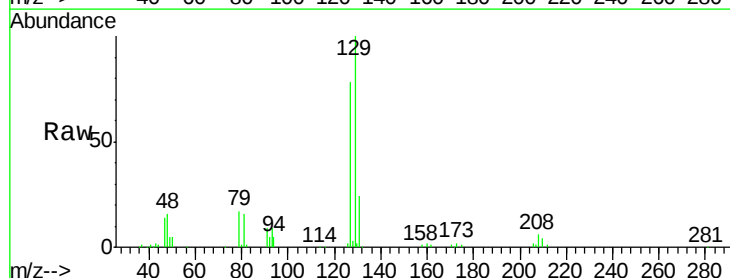
Manual Integrations  
APPROVED

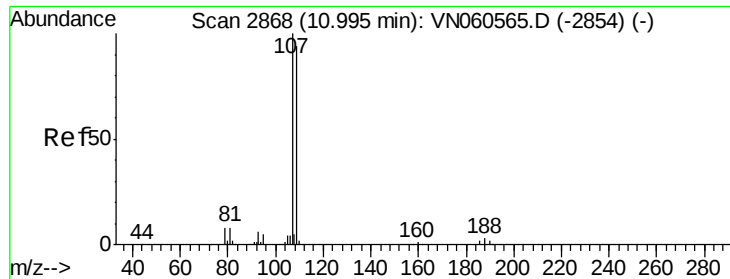
MMDadoda  
3/19/2020 1:59:34 PM



#60  
Dibromochloromethane  
Concen: 51.260 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Tgt Ion: 129 Resp: 124310  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.5 115.5





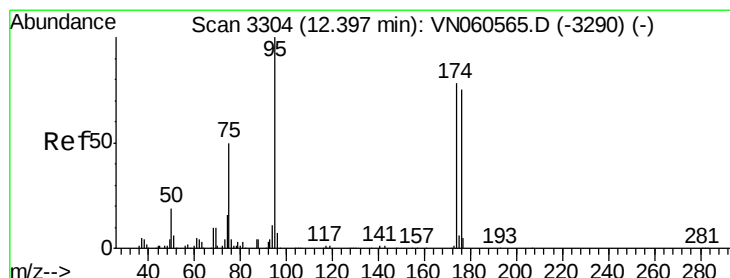
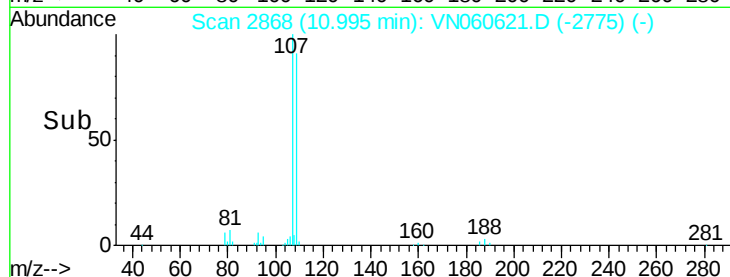
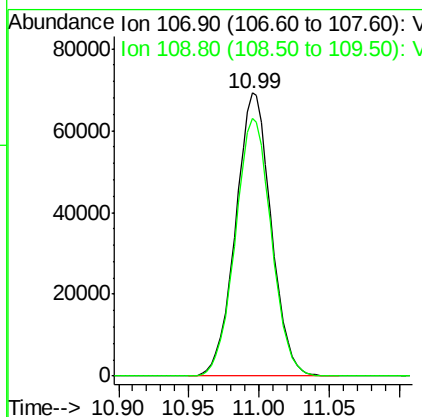
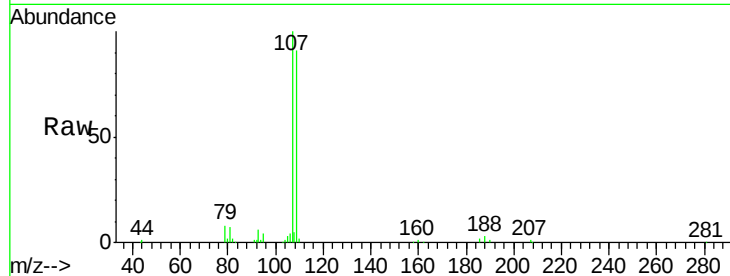
#61  
 1,2-Dibromoethane  
 Concen: 51.661 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 121959 |       |       |
| 109     | 92.6  | 75.4   | 113.2 |       |

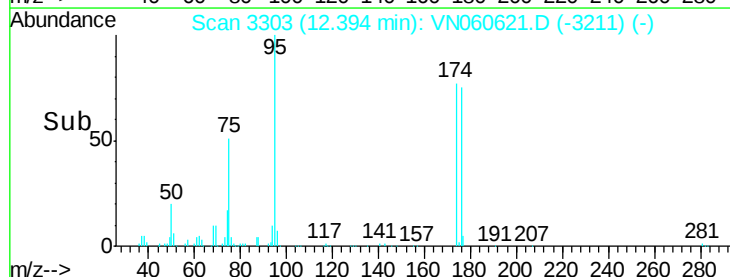
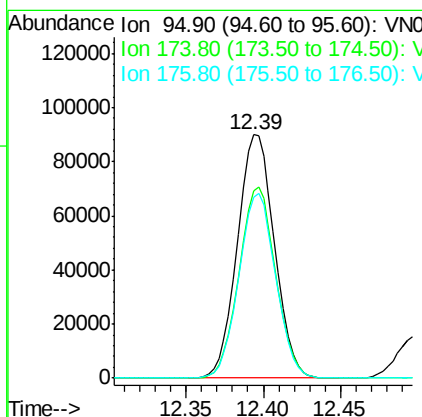
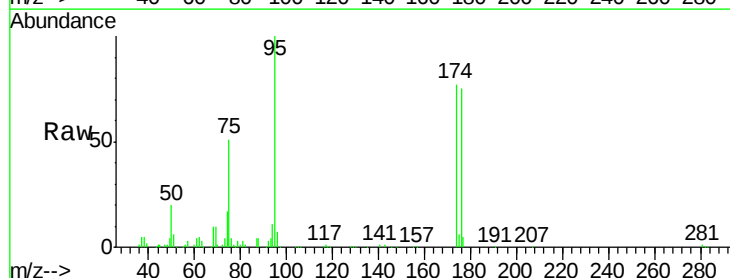
Manual Integrations  
 APPROVED

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 3/19/2020 1:59:34 PM



#62  
 4-Bromofluorobenzene  
 Concen: 47.811 ug/l  
 RT: 12.39 min Scan# 3303  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 149601 |       |       |
| 174     | 77.6  | 0.0    | 157.6 |       |
| 176     | 75.1  | 0.0    | 150.6 |       |





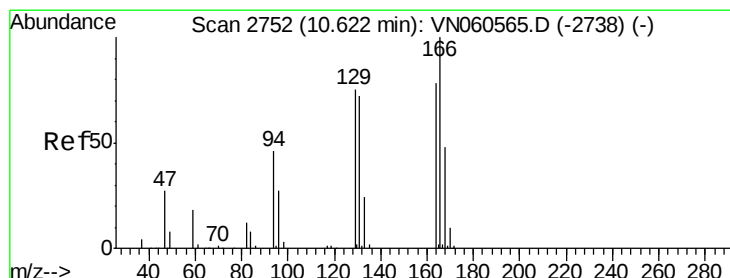
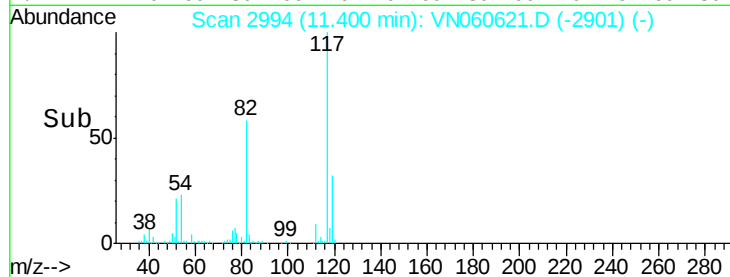
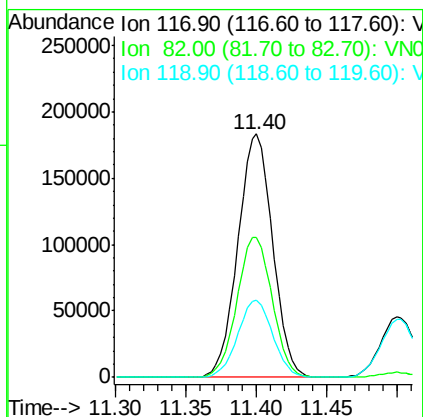
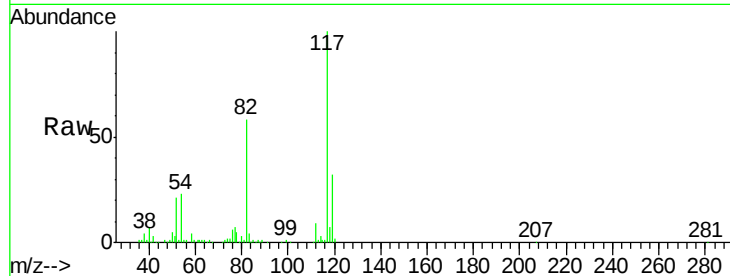
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.7  | 46.7  | 70.1  |
| 119     | 31.8  | 25.5  | 38.3  |

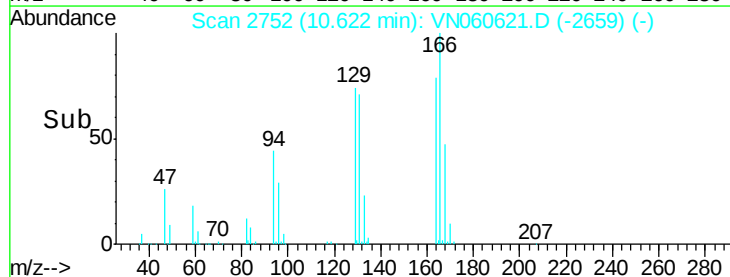
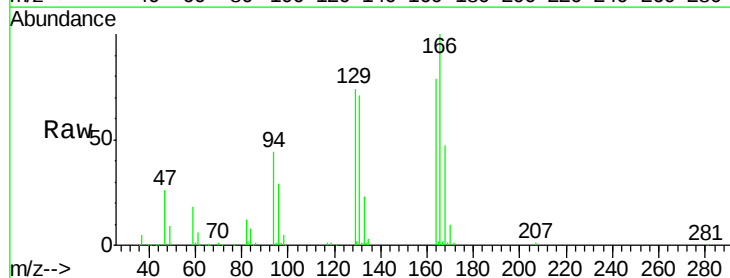
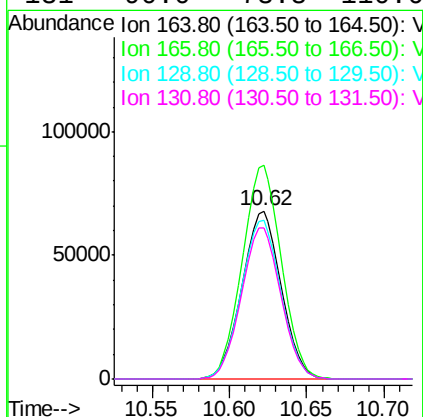
Manual Integrations  
APPROVED

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3/19/2020 1:59:34 PM



#64  
Tetrachloroethene  
Concen: 48.057 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.3 | 102.7 | 154.1 |
| 129     | 94.6  | 77.2  | 115.8 |
| 131     | 90.0  | 73.8  | 110.6 |





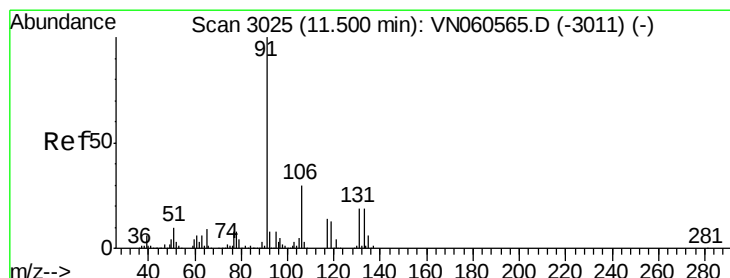
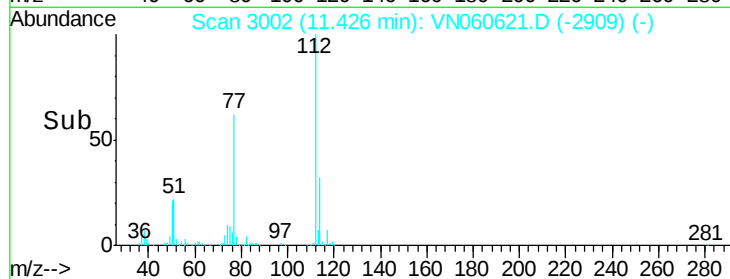
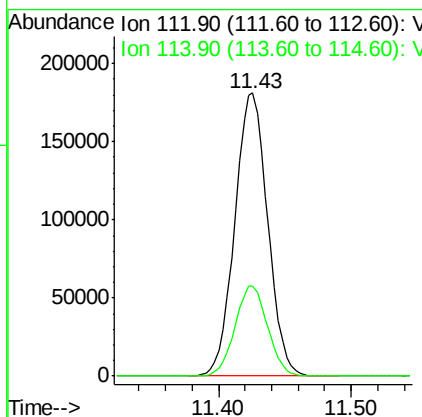
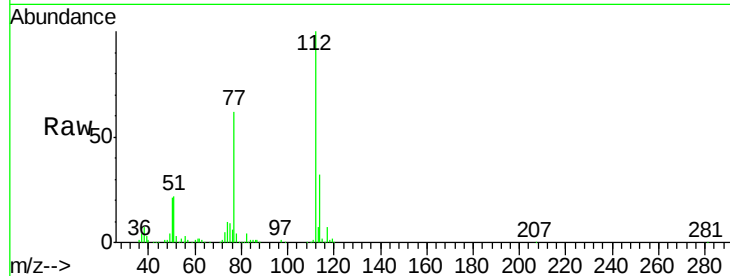
#65  
Chlorobenzene  
Concen: 49.489 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.0  | 25.8  | 38.6  |

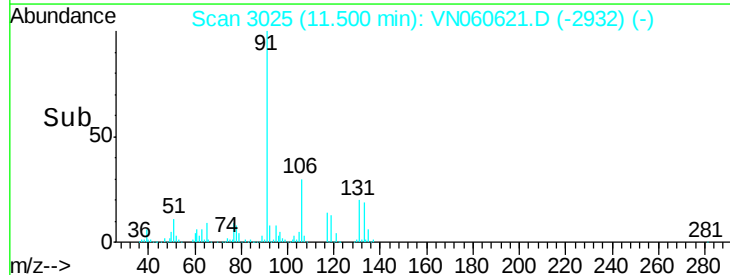
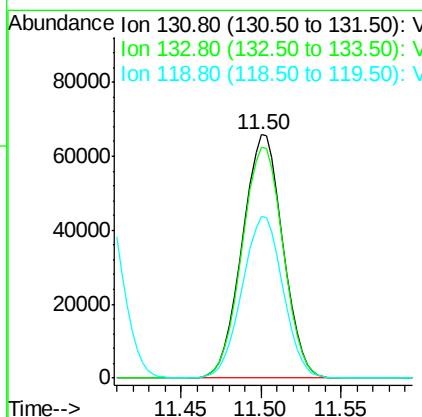
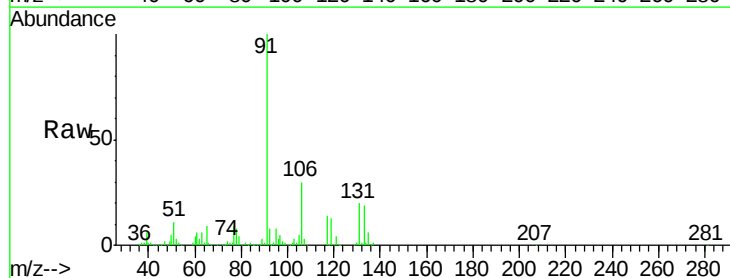
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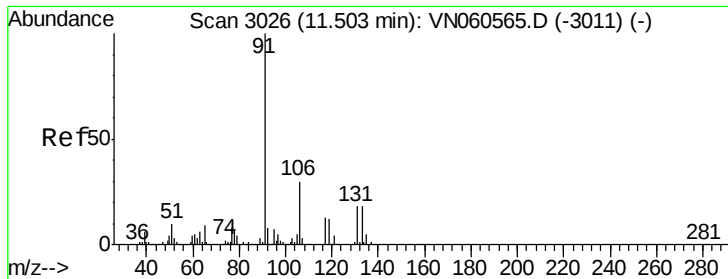
MMDadoda  
3/19/2020 1:59:34 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.225 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.3  | 48.9  | 146.8 |
| 119     | 66.7  | 33.9  | 101.7 |





#67

Ethyl Benzene

Concen: 49.883 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 583219

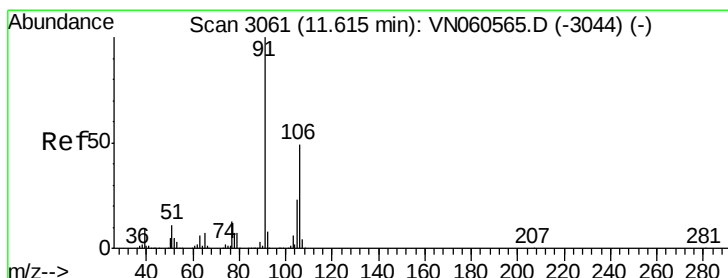
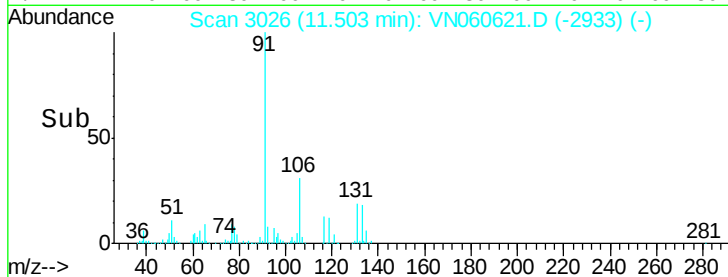
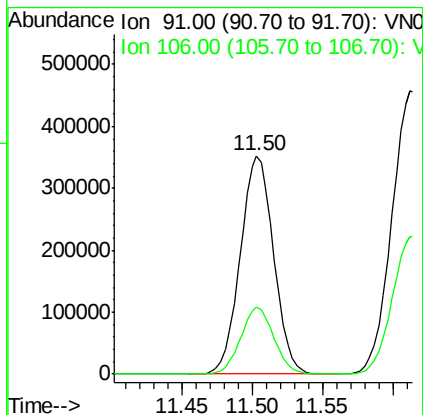
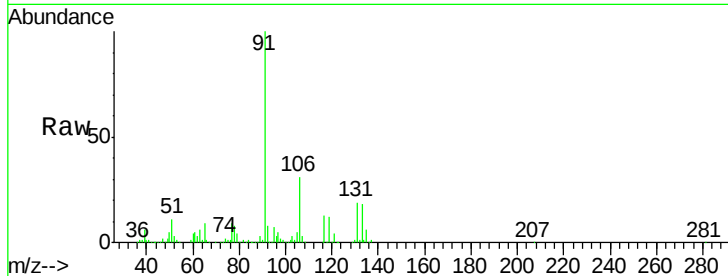
Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2

Manual Integrations  
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MMDadoda  
3/19/2020 1:59:34 PM



#68

m/p-Xylenes

Concen: 99.611 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060621.D

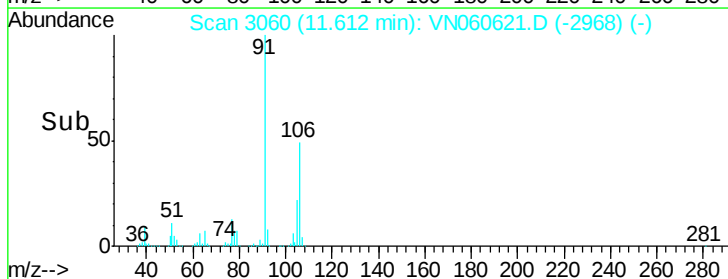
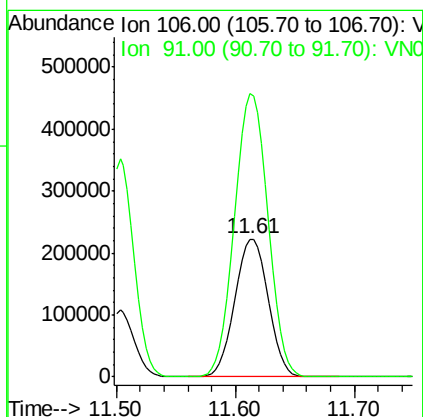
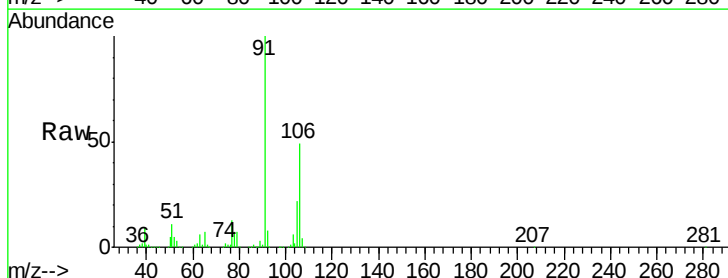
Acq: 19 Mar 2020 3:22

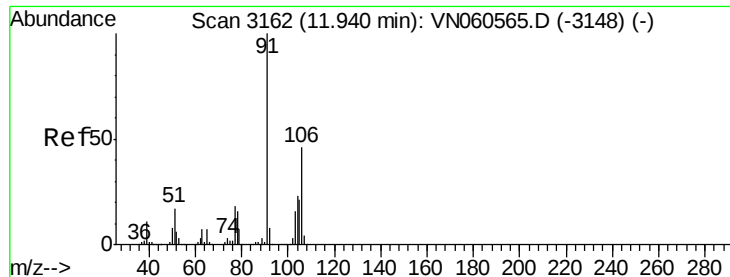
Tgt Ion: 106 Resp: 432778

Ion Ratio Lower Upper

106 100

91 206.1 165.0 247.4





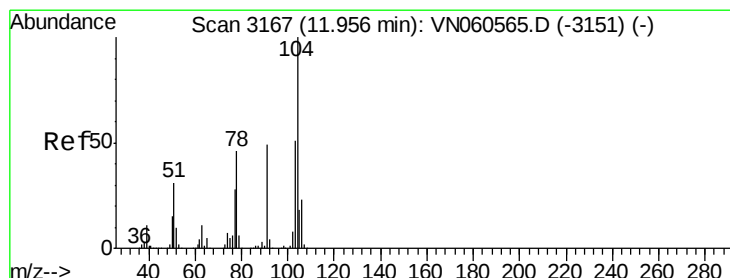
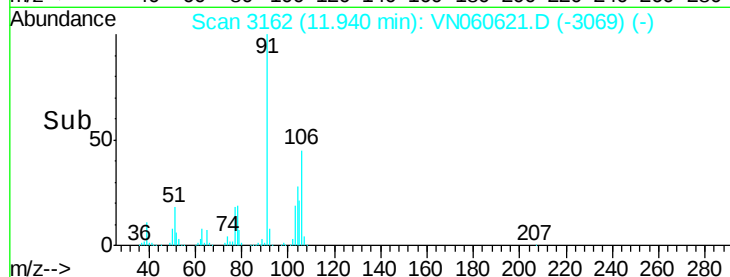
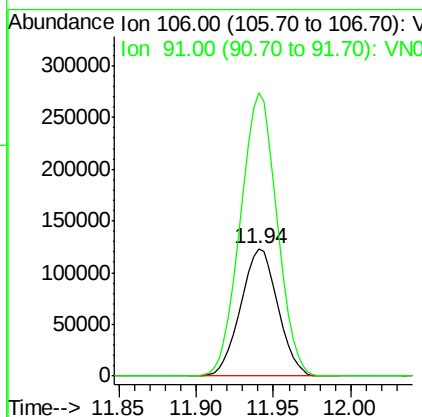
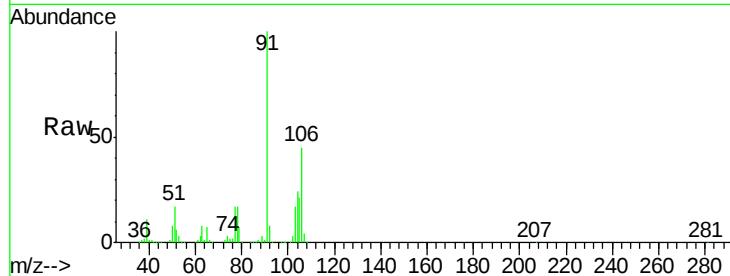
#69  
o-Xylene  
Concen: 49.686 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 106     | 106 | 100   |       |       |
| 91      | 91  | 219.5 | 109.5 | 328.4 |

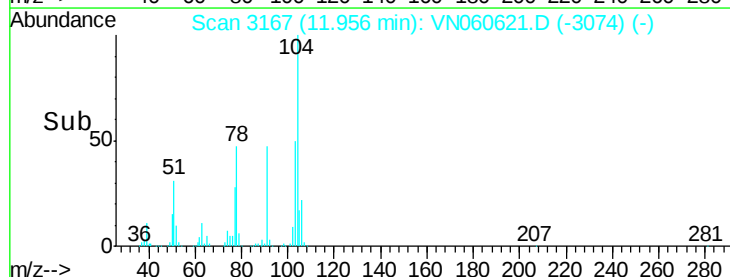
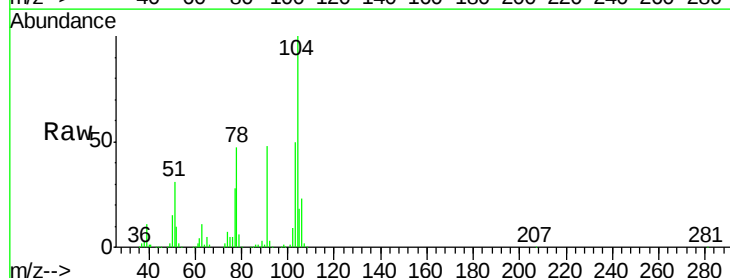
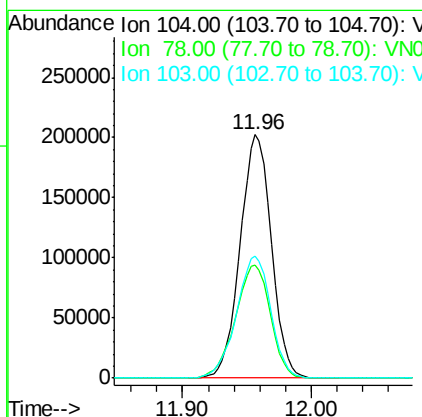
Manual Integrations  
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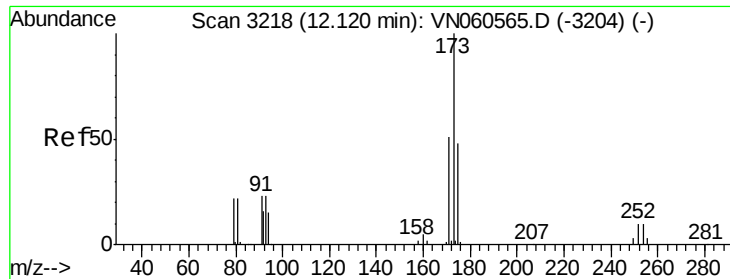
MMDadoda  
3/19/2020 1:59:34 PM



#70  
Styrene  
Concen: 50.413 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 104     | 104 | 100   |       |       |
| 78      | 78  | 51.7  | 41.2  | 61.8  |
| 103     | 103 | 54.8  | 44.0  | 66.0  |





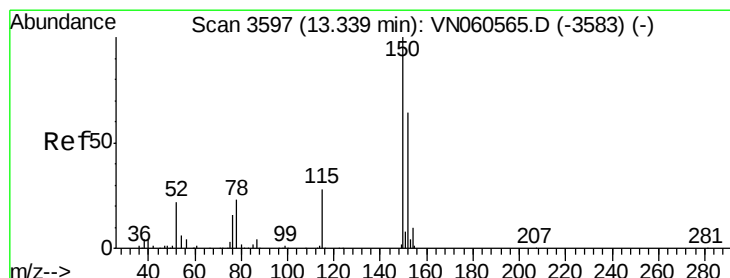
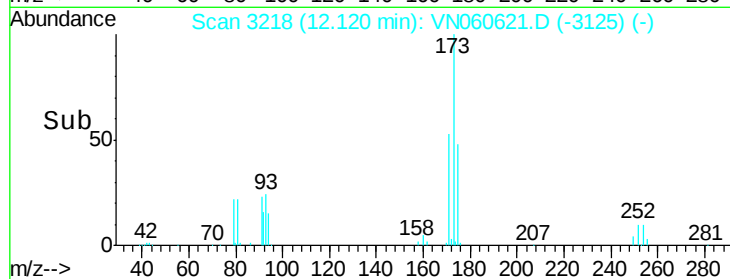
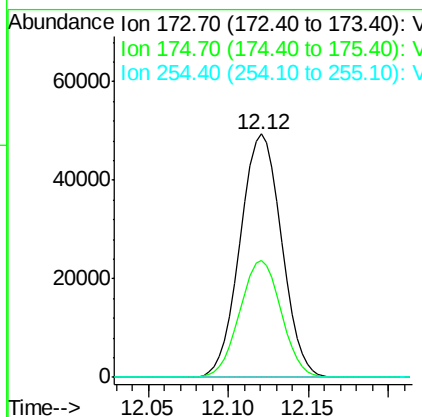
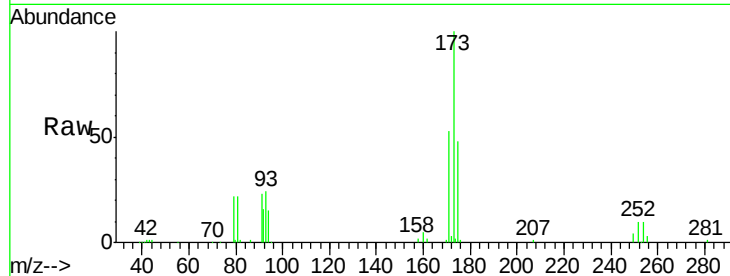
#71  
Bromoform  
Concen: 46.364 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.9  | 24.1  | 72.4  |
| 254     | 0.0   | 0.0   | 0.0   |

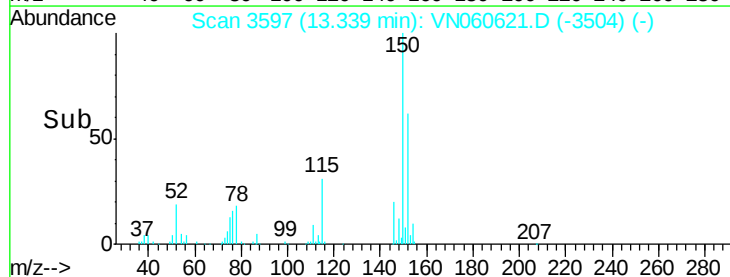
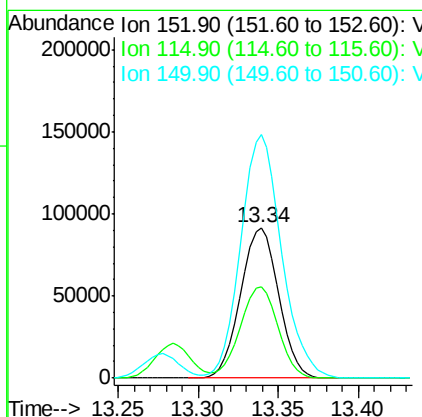
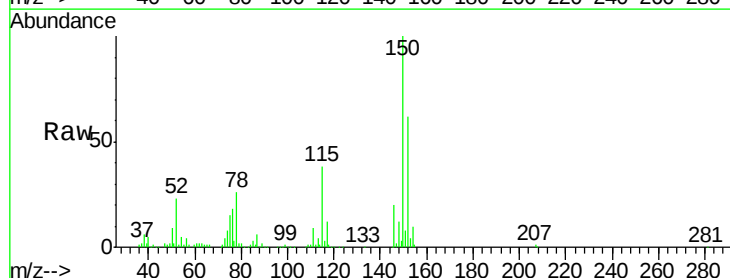
Manual Integrations  
APPROVED

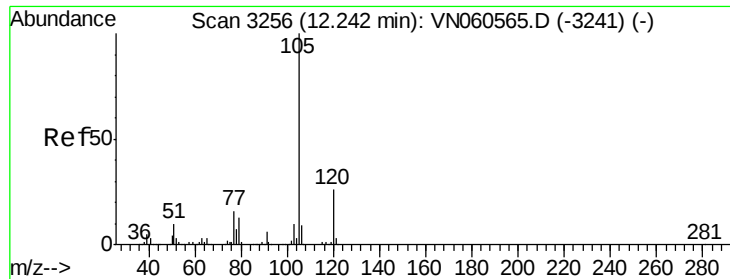
MMDadoda  
3/19/2020 1:59:34 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.8  | 30.2  | 90.6  |
| 150     | 173.5 | 0.0   | 350.2 |





#73

Isopropylbenzene

Concen: 49.245 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 547948

Ion Ratio Lower Upper

105 100

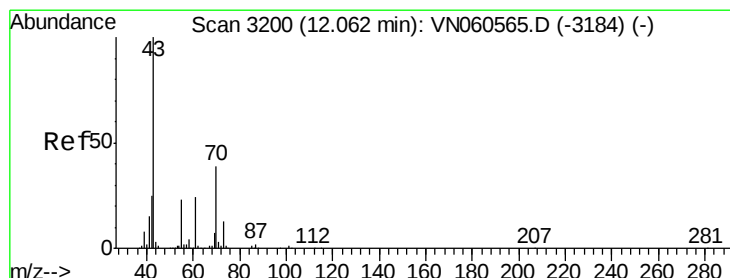
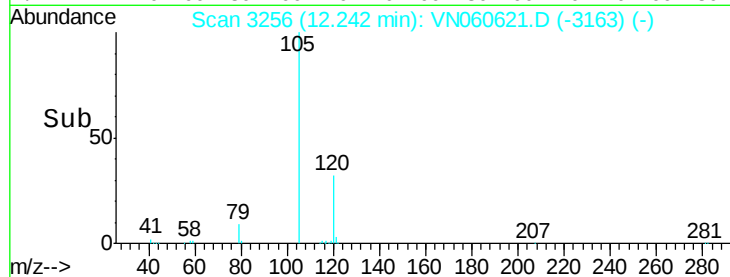
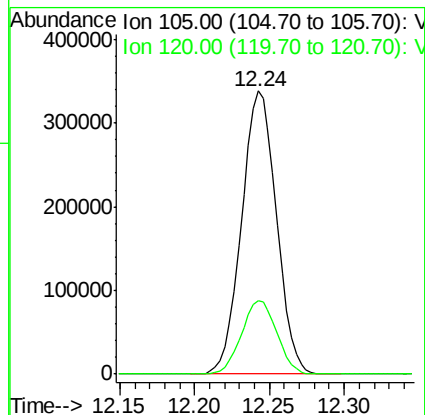
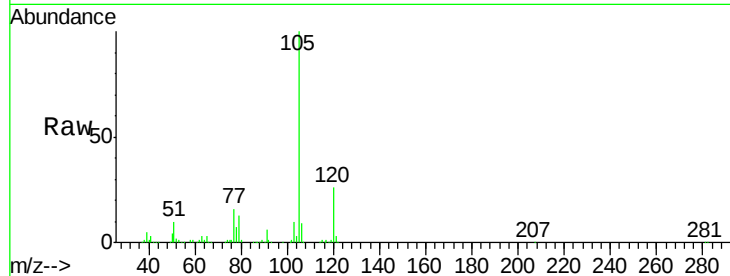
120 26.2 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.828 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Tgt Ion: 43 Resp: 261344

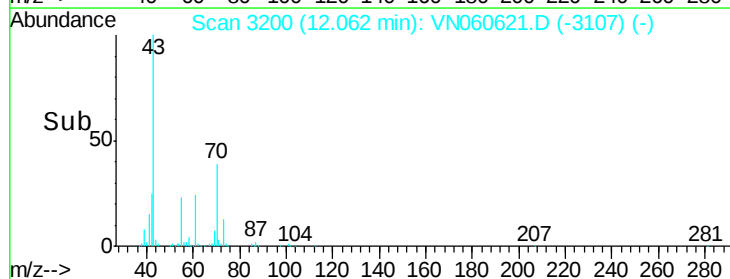
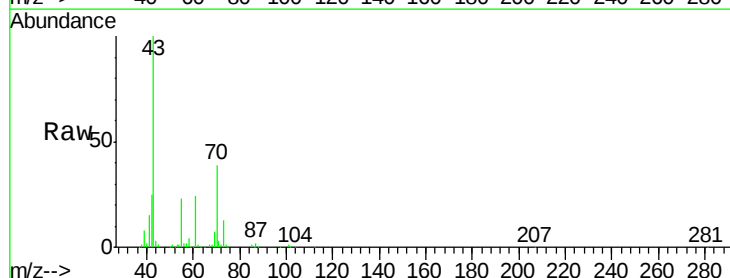
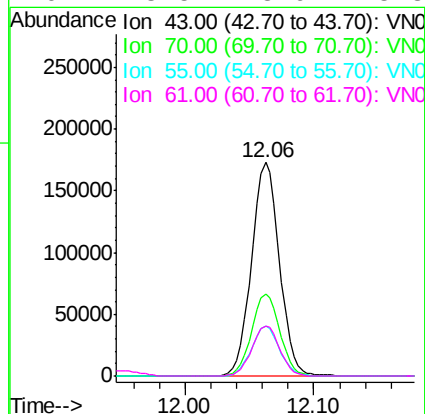
Ion Ratio Lower Upper

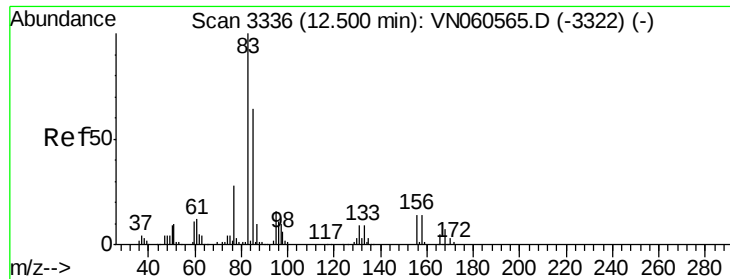
43 100

70 39.1 31.1 46.7

55 23.4 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.512 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

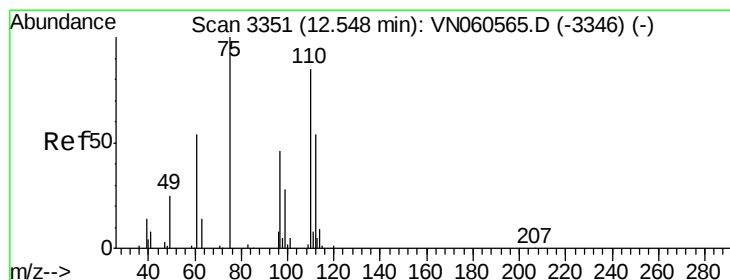
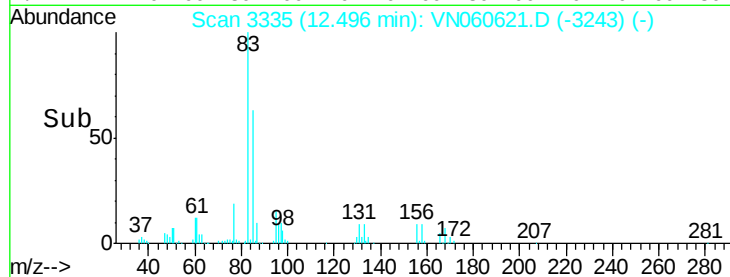
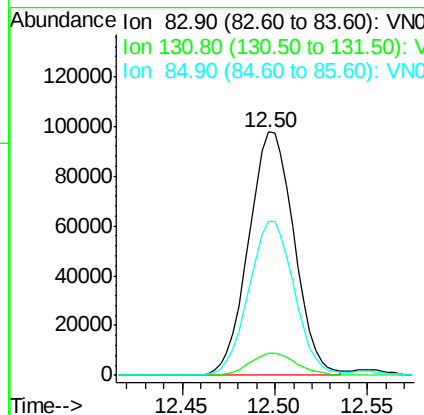
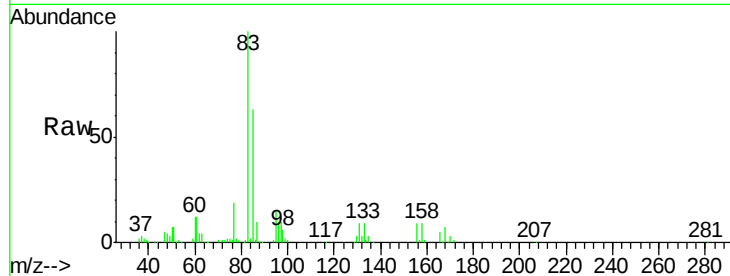
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 166604 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.4   | 4.9   | 14.7   |
| 85        | 63.7  | 32.5  | 97.4   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 46.958 ug/l m

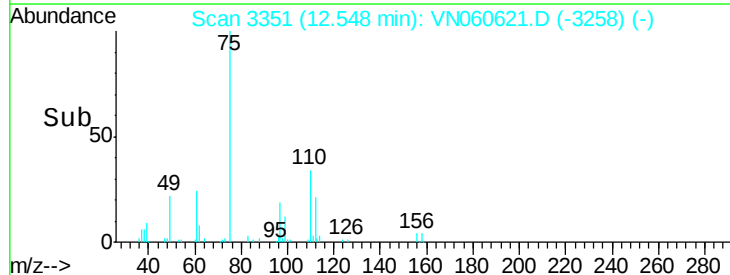
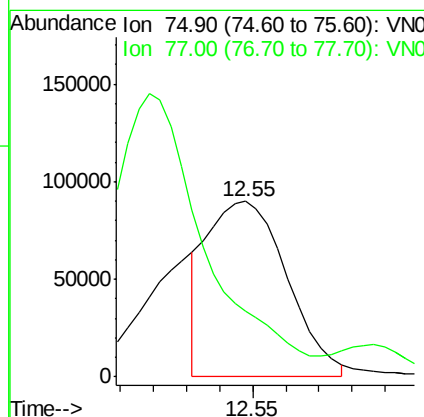
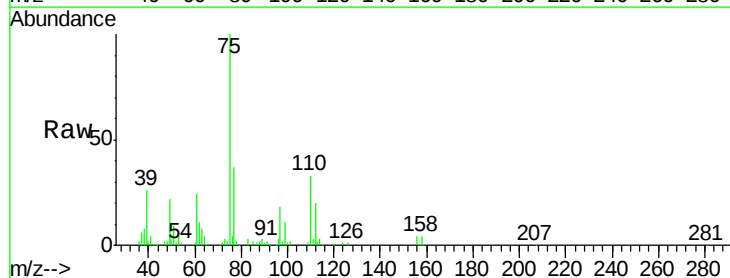
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 150235 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 48.970 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 131299

Ion Ratio Lower Upper

156 100

77 222.7 112.3 337.0

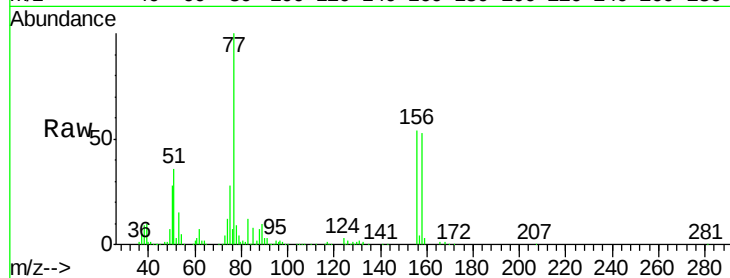
158 97.6 48.6 145.8

Manual Integrations

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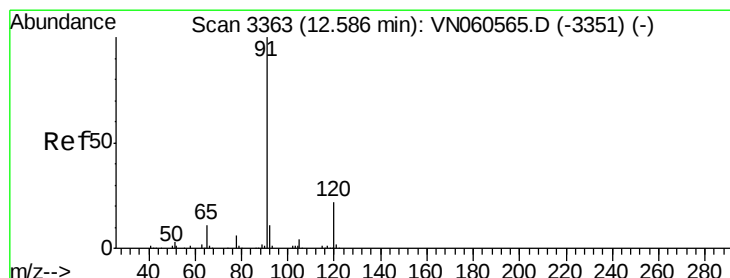
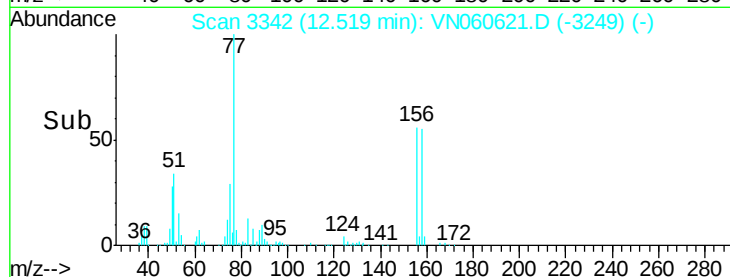
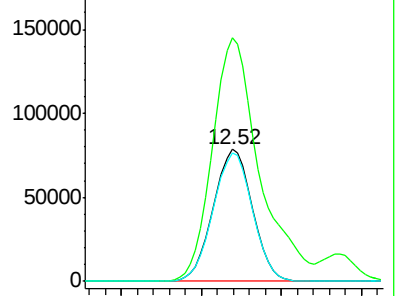
3/19/2020 1:59:34 PM



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



#78

n-propylbenzene

Concen: 49.075 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060621.D

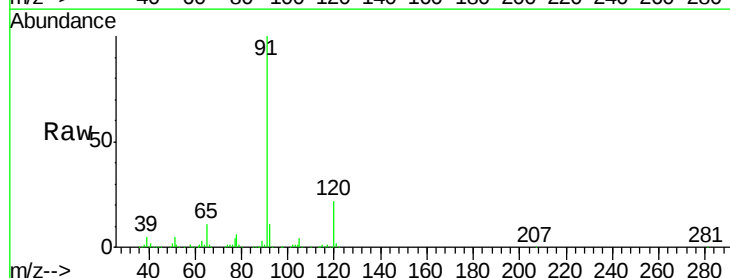
Acq: 19 Mar 2020 3:22

Tgt Ion: 91 Resp: 645136

Ion Ratio Lower Upper

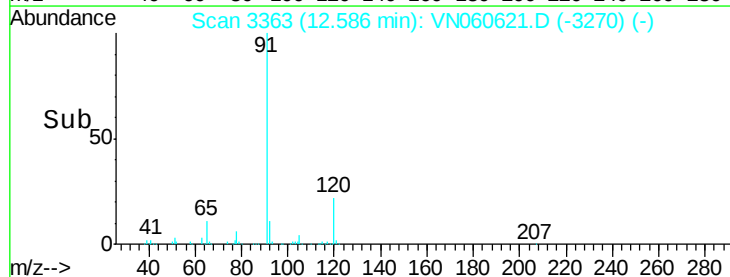
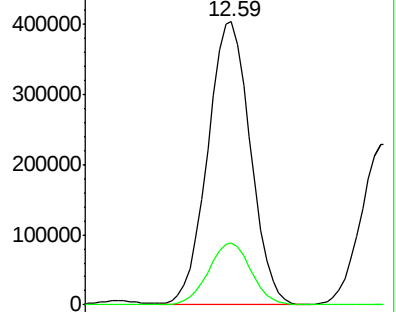
91 100

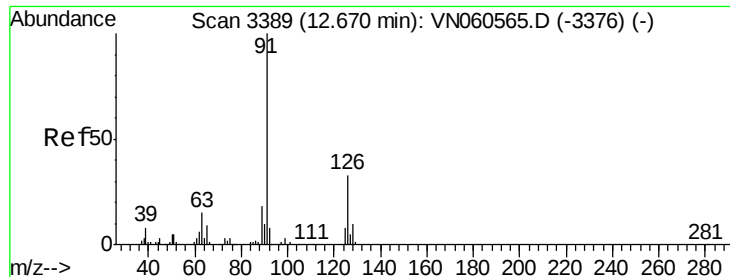
120 21.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





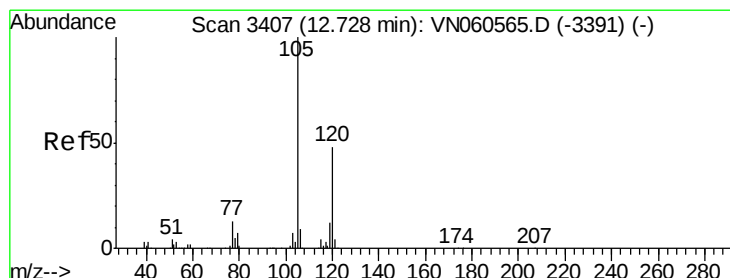
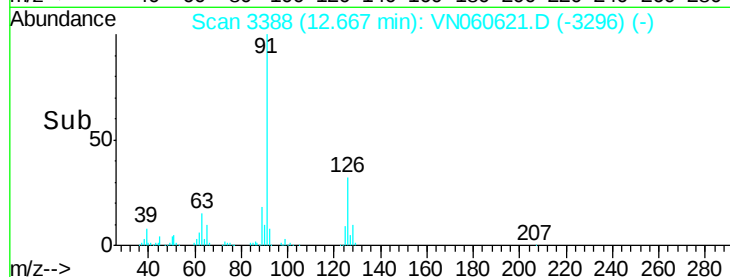
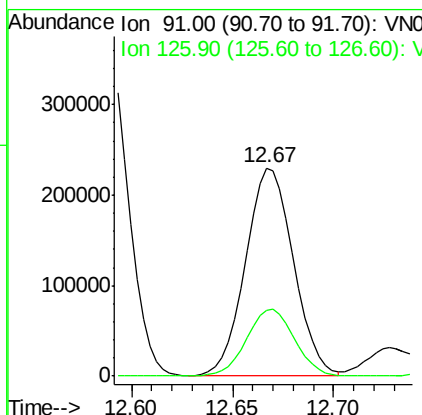
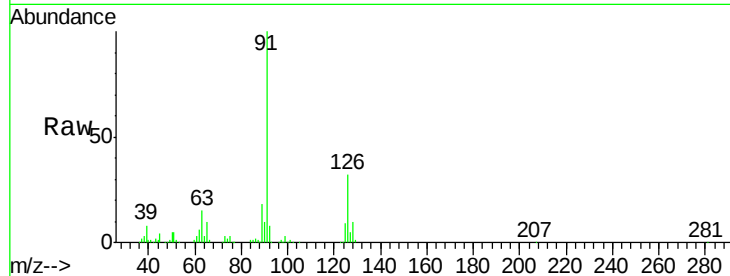
#79  
2-Chlorotoluene  
Concen: 48.481 ug/l  
RT: 12.67 min Scan# 3388  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.4  | 16.4  | 49.1  |

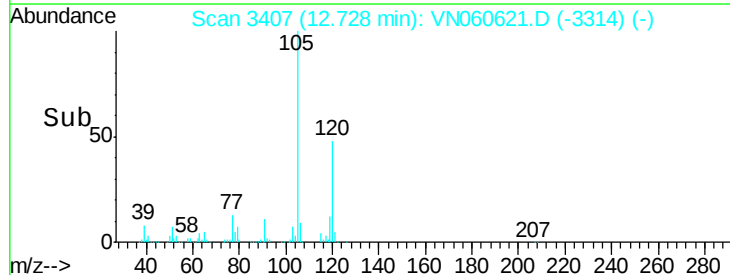
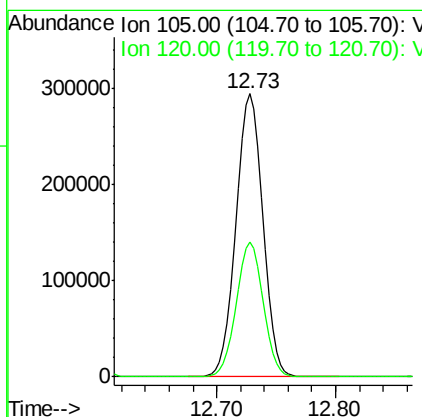
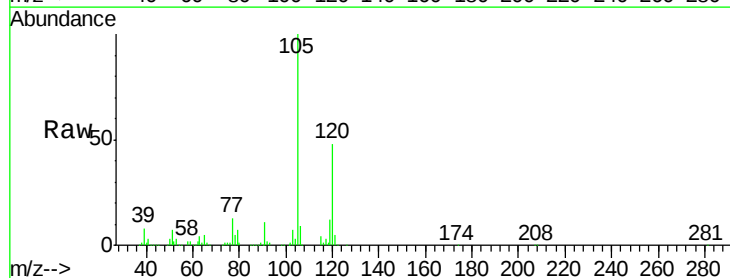
Manual Integrations  
APPROVED

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#80  
1,3,5-Trimethylbenzene  
Concen: 48.775 ug/l  
RT: 12.73 min Scan# 3407  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.5  | 23.9  | 71.7  |





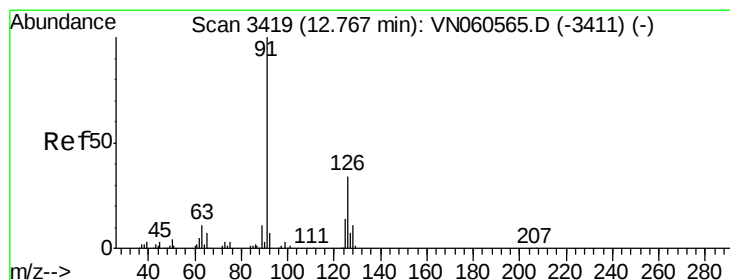
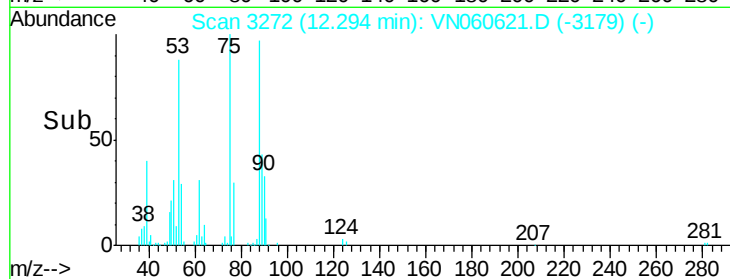
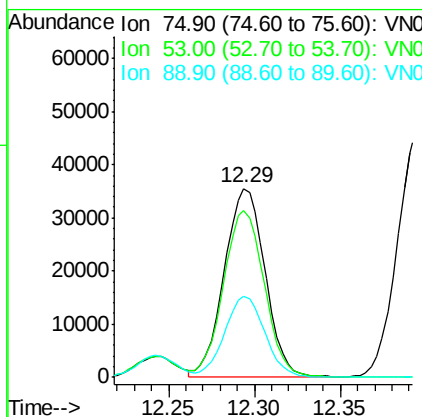
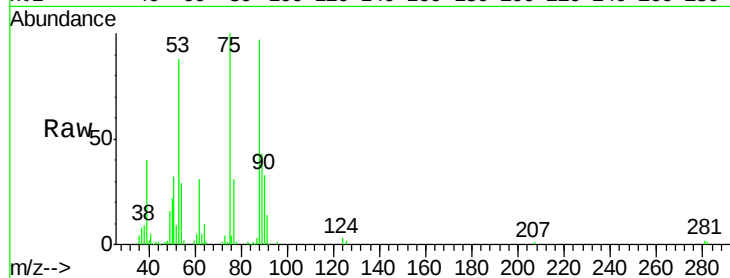
#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.191 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 88.8  | 73.0  | 109.4 |
| 89      | 42.2  | 34.8  | 52.2  |

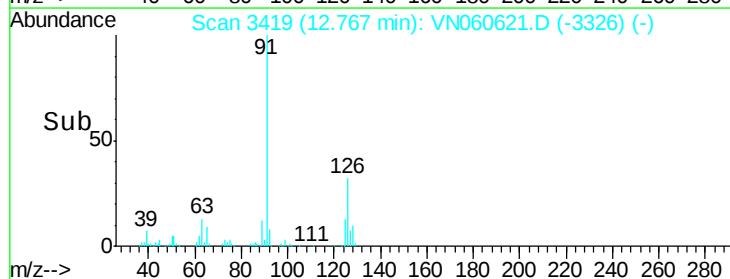
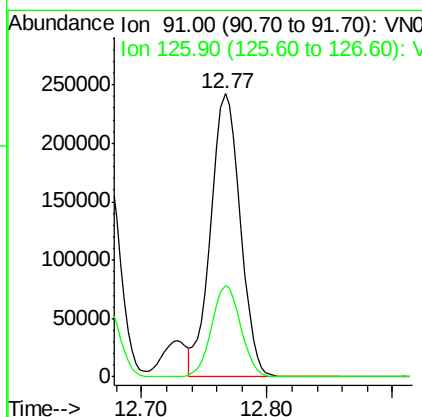
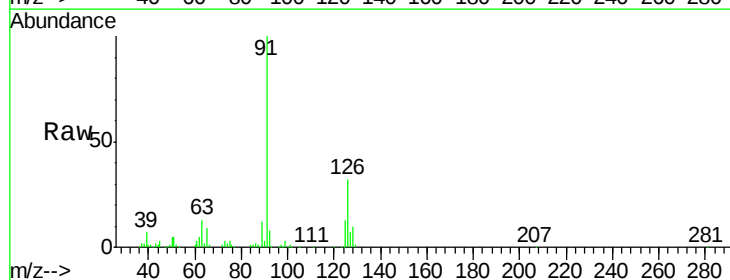
Manual Integrations  
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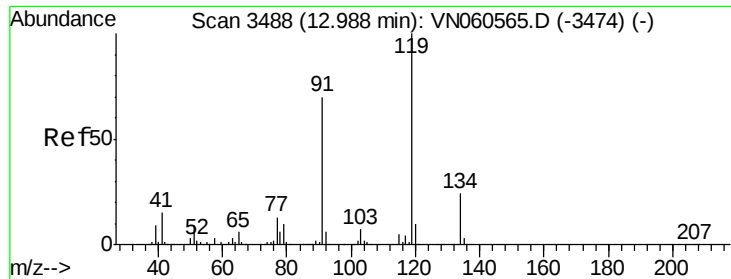
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#82  
4-Chlorotoluene  
Concen: 49.472 ug/l  
RT: 12.77 min Scan# 3419  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.8  | 16.2  | 48.5  |





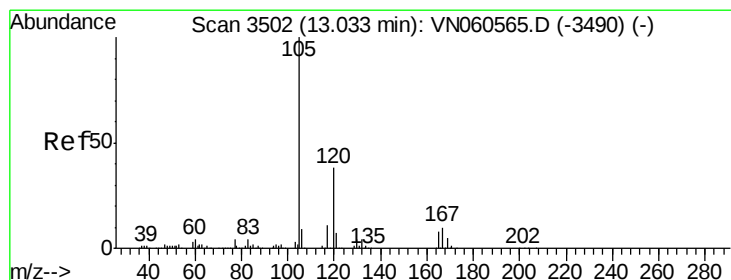
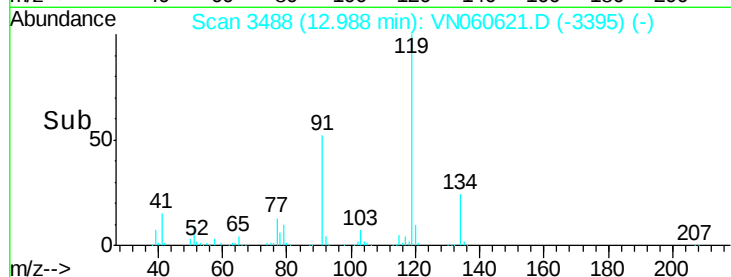
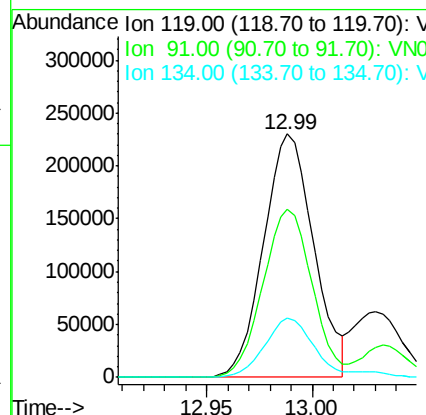
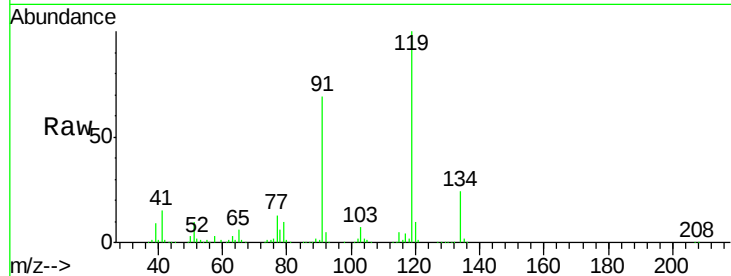
#83  
 tert-Butylbenzene  
 Concen: 48.713 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 67.8  | 34.0  | 101.8 |
| 134     | 23.8  | 12.7  | 38.0  |

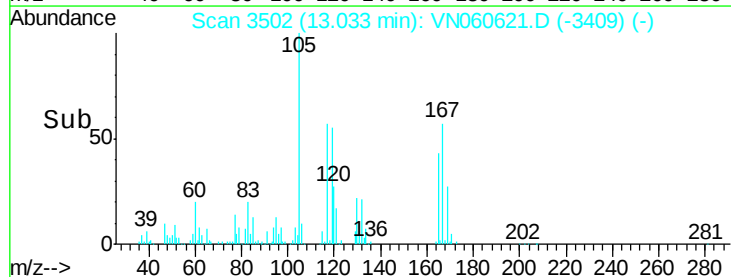
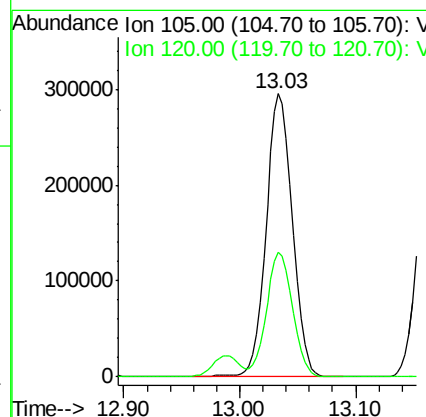
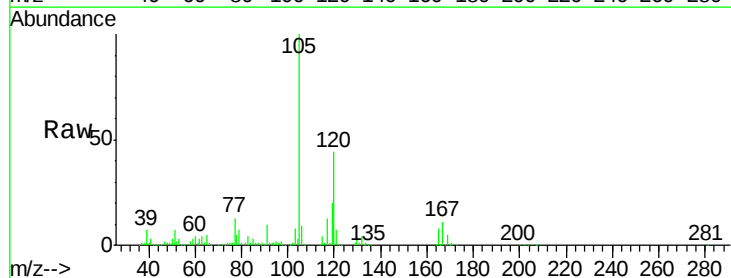
Manual Integrations  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 49.510 ug/l  
 RT: 13.03 min Scan# 3502  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.7  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 48.309 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 508495

Ion Ratio Lower Upper

105 100

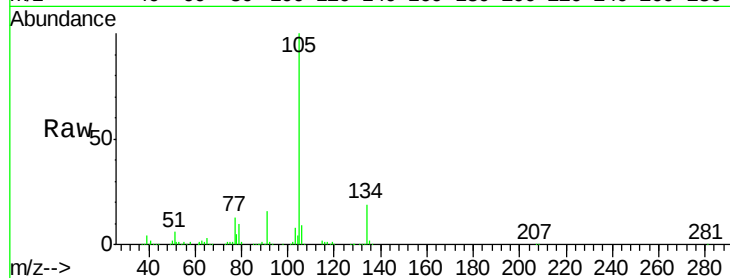
134 19.0 9.6 28.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

300000

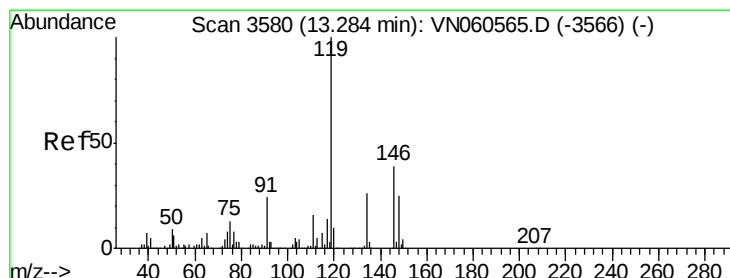
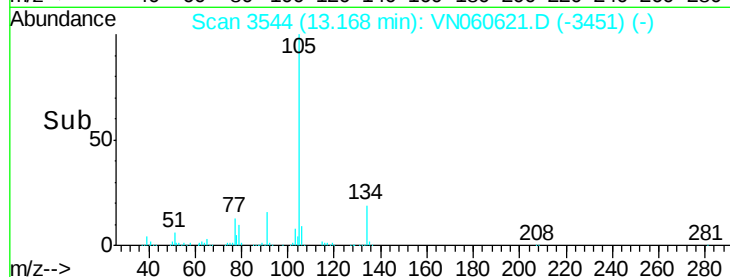
200000

100000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 47.818 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

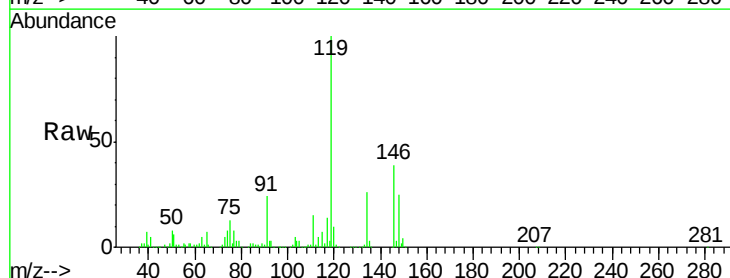
Tgt Ion:119 Resp: 452607

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.6 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

400000

300000

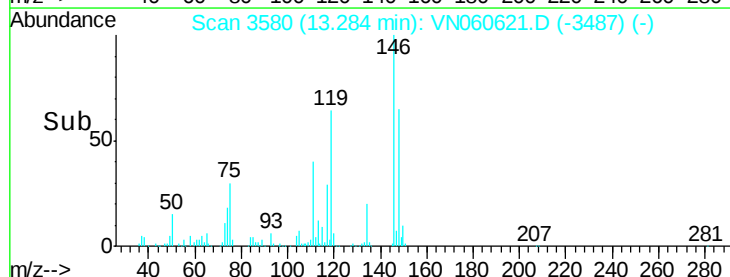
200000

100000

0

Time-->

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 48.668 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060621.D

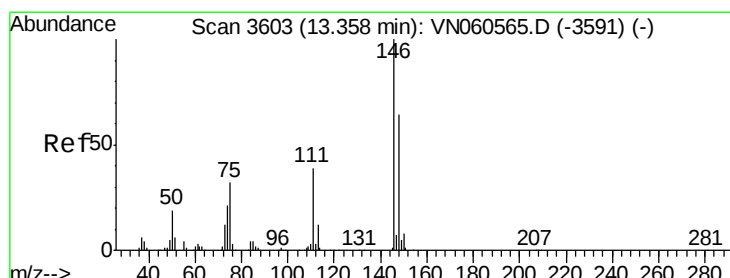
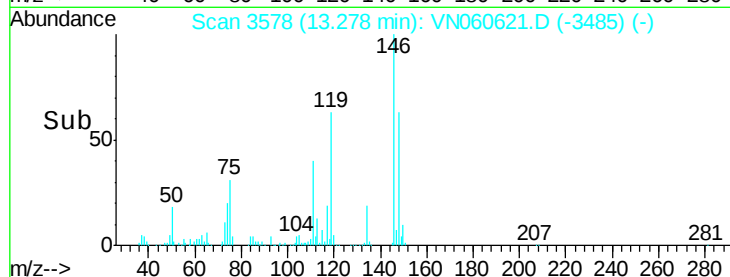
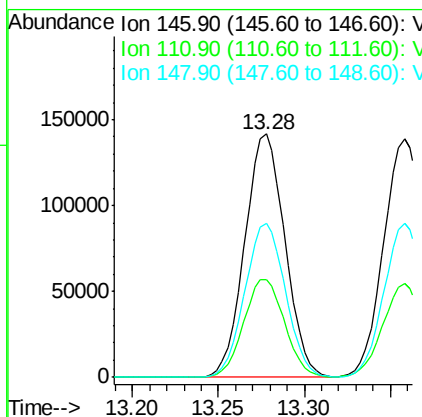
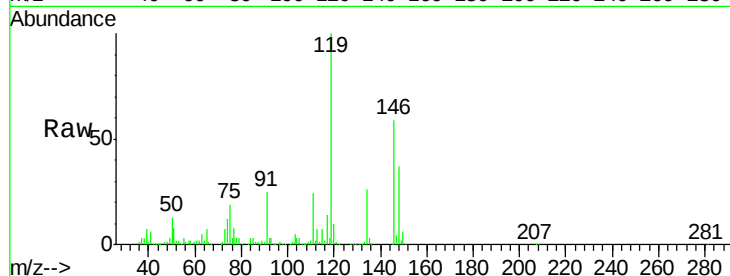
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 20.3  | 60.8  |
| 148     | 63.9  | 32.5  | 97.4  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 48.657 ug/l

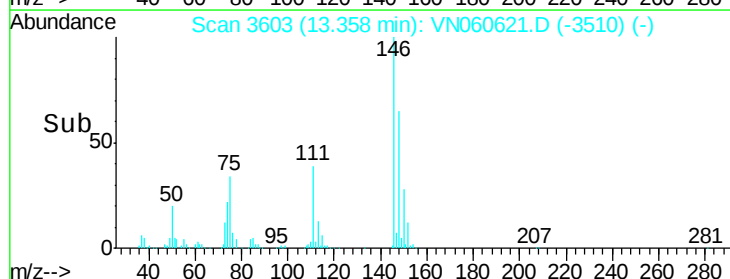
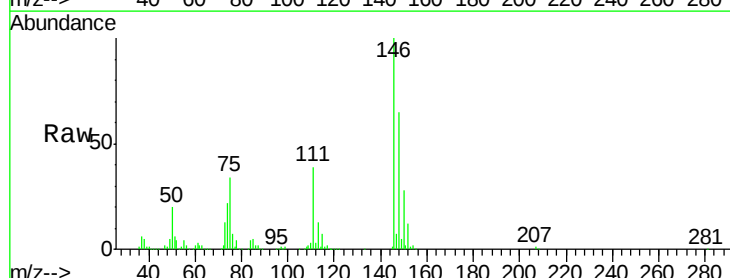
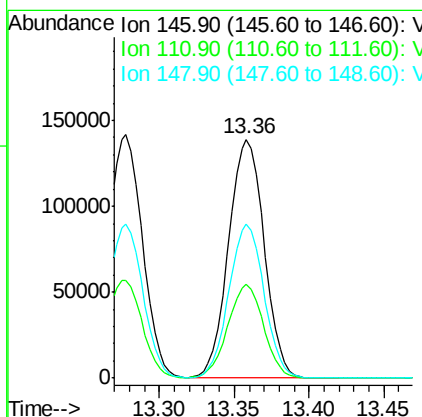
RT: 13.36 min Scan# 3603

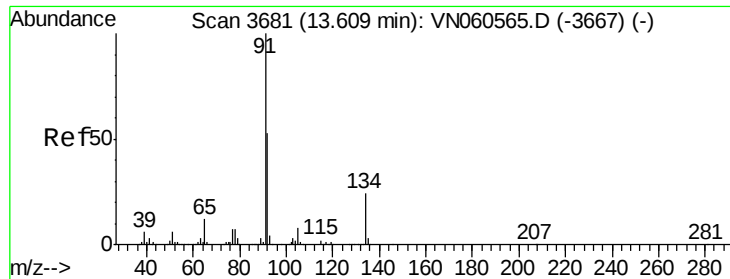
Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.6  | 58.7  |
| 148     | 63.6  | 32.1  | 96.3  |





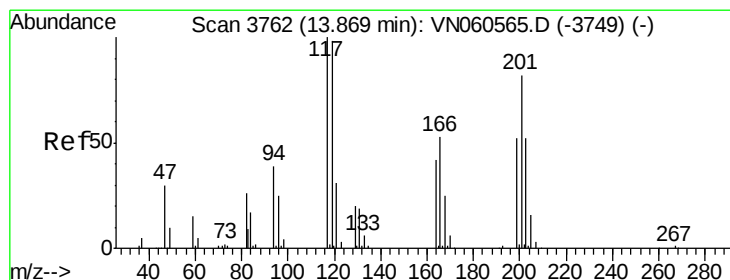
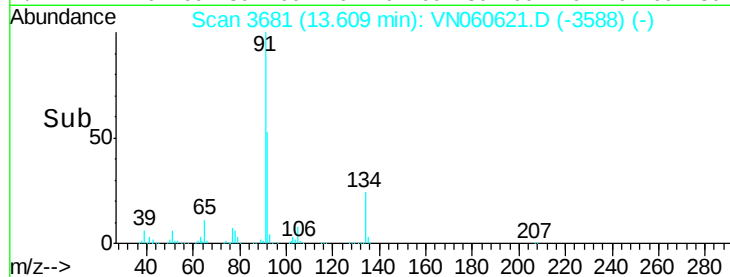
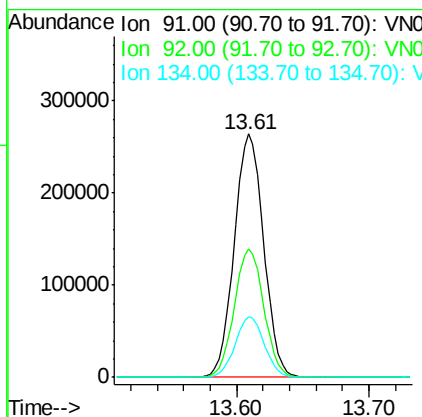
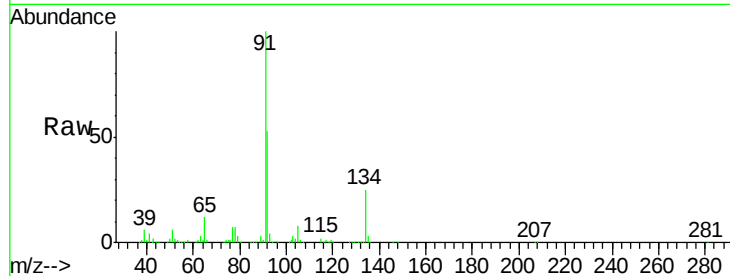
#89  
n-Butylbenzene  
Concen: 47.519 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.8  | 26.2  | 78.5  |
| 134     | 24.7  | 12.3  | 36.9  |

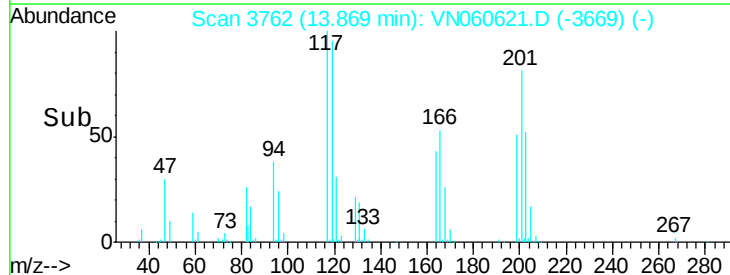
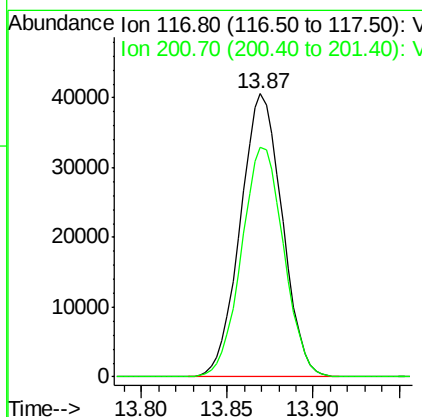
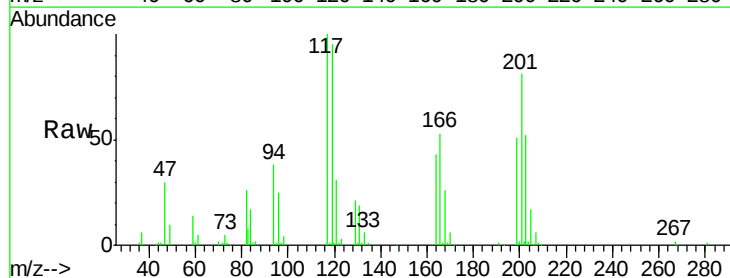
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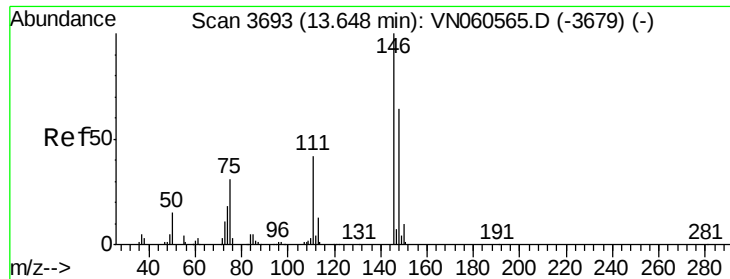
MMDadoda  
3/19/2020 1:59:34 PM



#90  
Hexachloroethane  
Concen: 49.859 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.8  | 40.8  | 122.5 |





#91

1,2-Dichlorobenzene

Concen: 49.492 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

Instrument :

MSVOA\_N

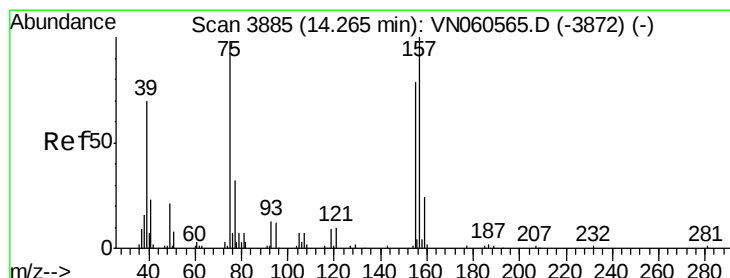
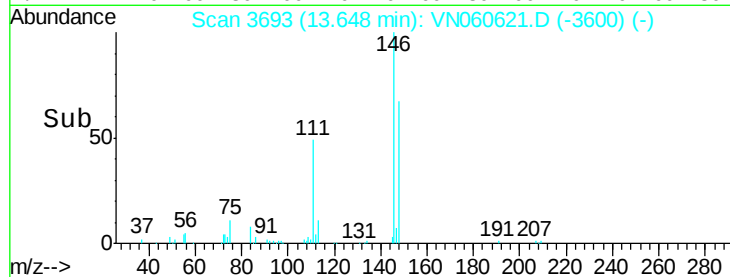
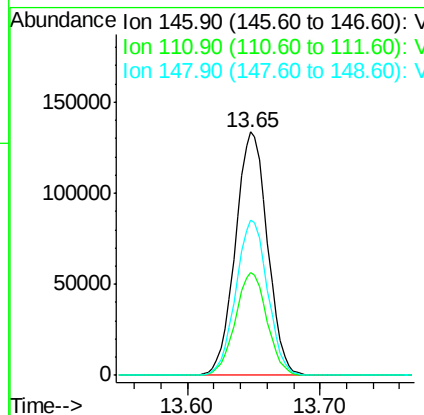
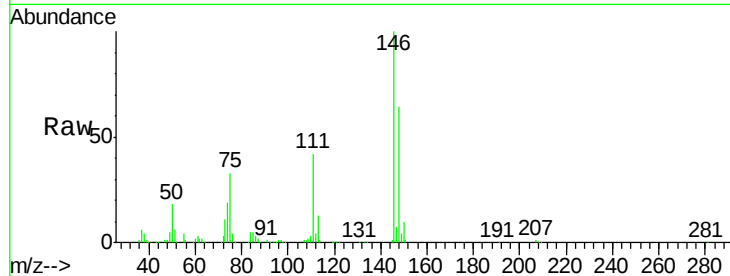
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 223791 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 41.6  | 21.0  | 63.0   |
| 148       | 63.3  | 31.9  | 95.5   |

Manual Integrations  
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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.062 ug/l

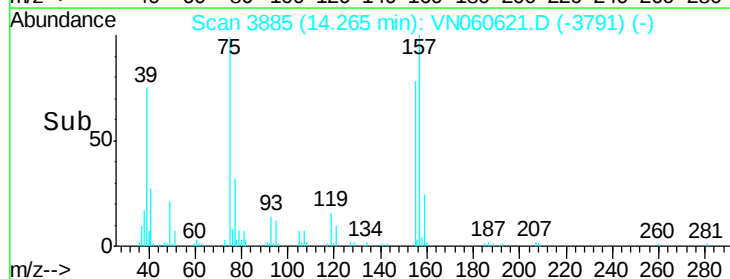
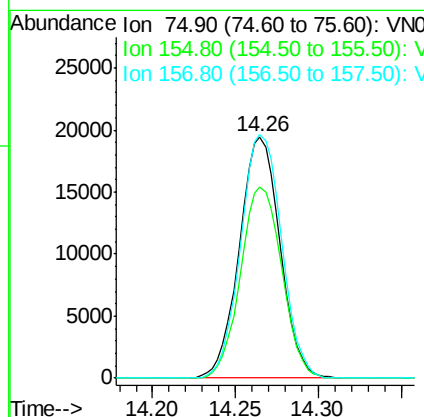
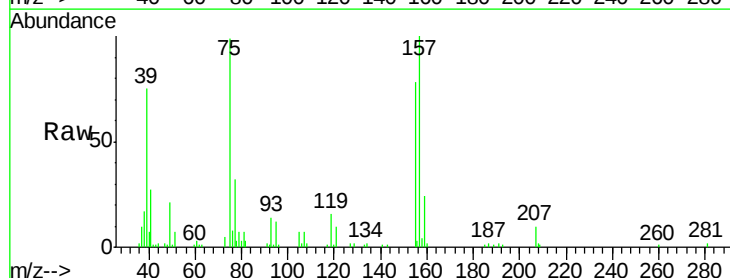
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060621.D

Acq: 19 Mar 2020 3:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 33180 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 80.4  | 40.7  | 122.1 |
| 157       | 102.0 | 51.5  | 154.7 |





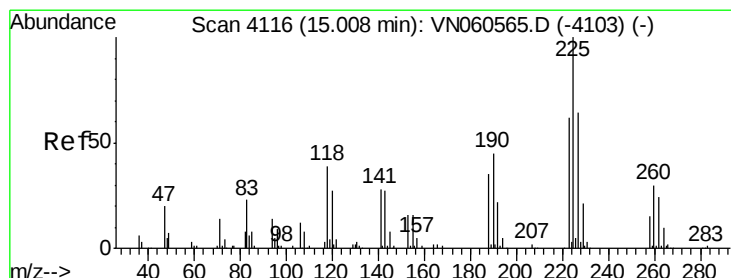
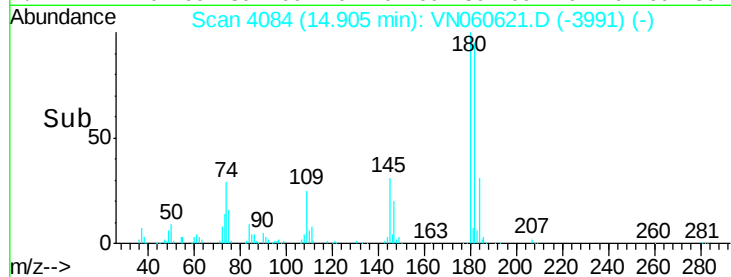
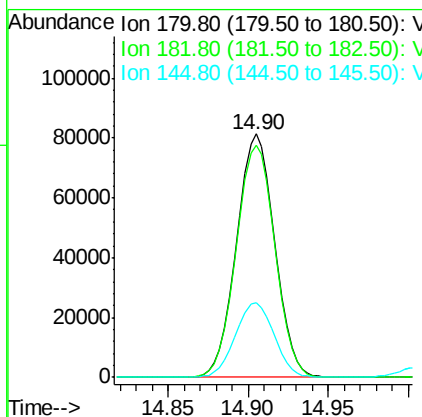
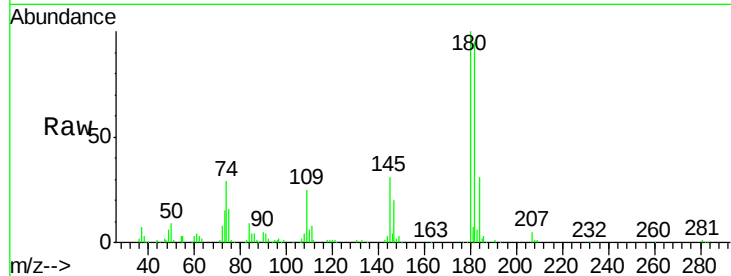
#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.561 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.8  | 47.9  | 143.8 |
| 145     | 31.0  | 15.4  | 46.2  |

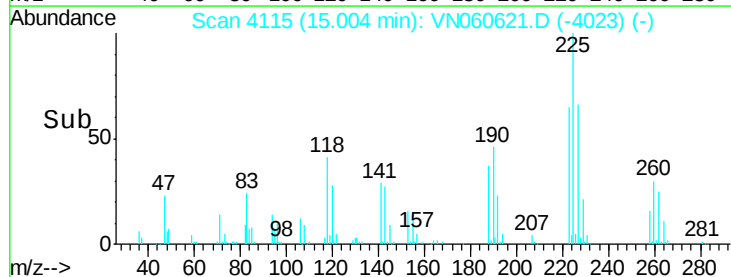
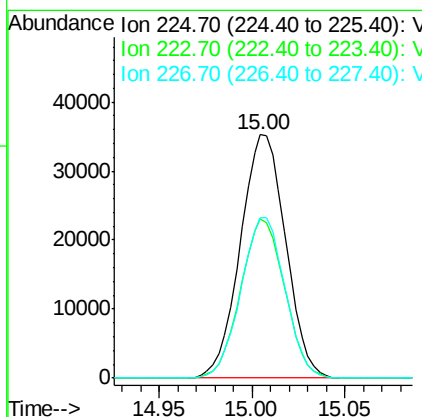
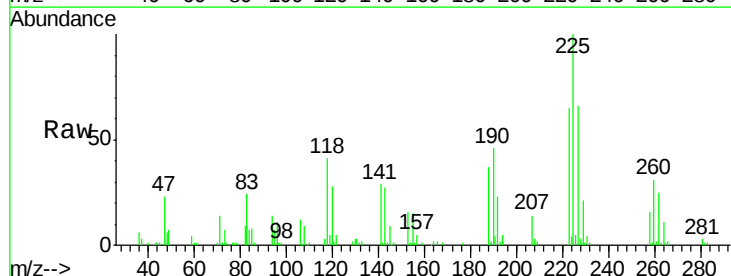
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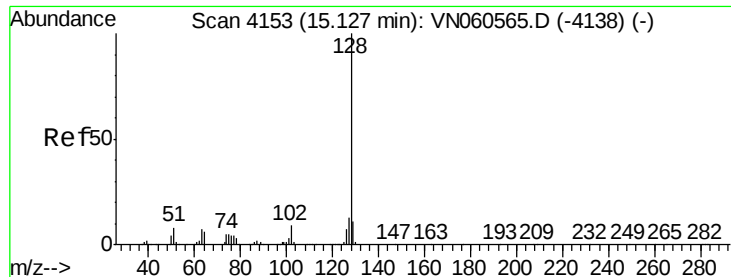
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 3/19/2020 1:59:34 PM



#94  
 Hexachlorobutadiene  
 Concen: 43.875 ug/l  
 RT: 15.00 min Scan# 4115  
 Delta R.T. -0.00 min  
 Lab File: VN060621.D  
 Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.6  | 31.6  | 95.0  |
| 227     | 64.2  | 32.3  | 96.8  |





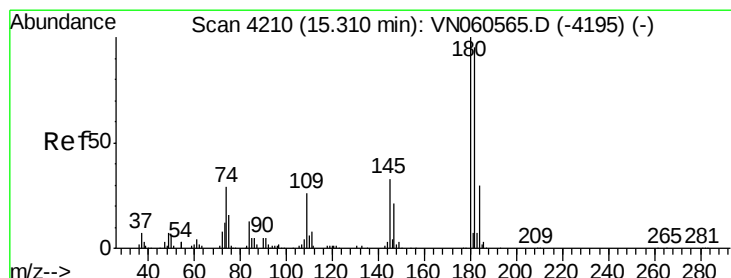
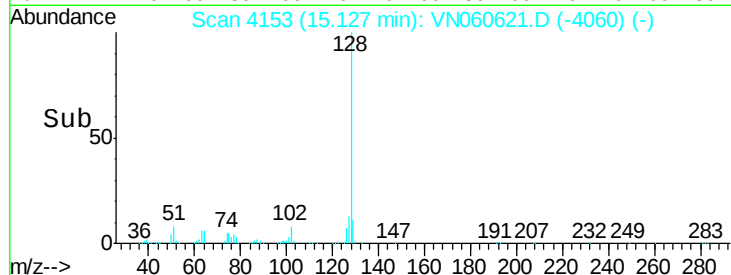
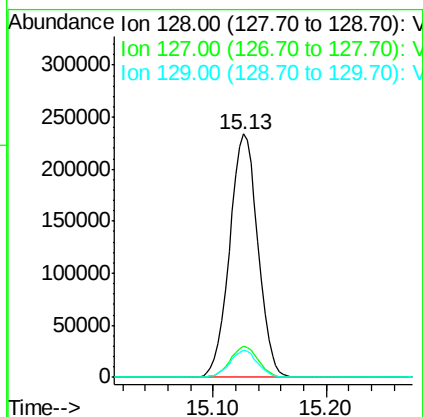
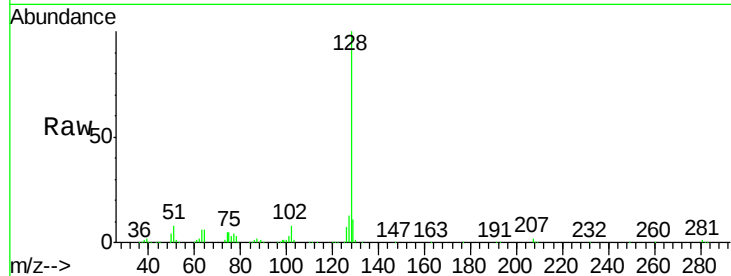
#95  
Naphthalene  
Concen: 48.645 ug/l  
RT: 15.13 min Scan# 4153  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.2  | 15.2  |
| 129     | 10.8  | 8.8   | 13.2  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 47.249 ug/l  
RT: 15.31 min Scan# 4209  
Delta R.T. -0.00 min  
Lab File: VN060621.D  
Acq: 19 Mar 2020 3:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 47.5  | 142.6 |
| 145     | 32.1  | 16.3  | 48.8  |

