

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\  
 Data File : VN061266.D  
 Acq On : 2 May 2020 10:27  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/4/2020 2:58:15 PM

Quant Time: May 04 07:32:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 29 08:14:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 101343   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 175304   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 170423   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 83852    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 79906    | 49.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.66%  |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 44568    | 42.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 85.98%  |      |
| 50) Toluene-d8            | 10.06  | 98  | 212151   | 50.20 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.40% |      |
| 62) 4-Bromofluorobenzene  | 12.37  | 95  | 79188    | 49.80 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.60%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 52325   | 48.690  | ug/l | 98     |
| 3) Chloromethane              | 2.03 | 50  | 75381   | 57.916  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.15 | 62  | 88316   | 59.741  | ug/l | 99     |
| 5) Bromomethane               | 2.52 | 94  | 32629   | 44.652  | ug/l | 99     |
| 6) Chloroethane               | 2.66 | 64  | 49422   | 52.745  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 95251   | 57.110  | ug/l | 99     |
| 8) Diethyl Ether              | 3.37 | 74  | 39730   | 57.110  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71 | 101 | 54107   | 50.356  | ug/l | 100    |
| 10) Methyl Iodide             | 3.91 | 142 | 57238   | 41.451  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 69867   | 325.252 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 53563   | 50.094  | ug/l | 99     |
| 13) Acrolein                  | 3.56 | 56  | 34766   | 242.865 | ug/l | 97     |
| 14) Allyl chloride            | 4.27 | 41  | 114447  | 57.726  | ug/l | 97     |
| 15) Acrylonitrile             | 4.93 | 53  | 201028  | 304.862 | ug/l | 100    |
| 16) Acetone                   | 3.77 | 43  | 177489  | 287.011 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.01 | 76  | 121937  | 41.284  | ug/l | 99     |
| 18) Methyl Acetate            | 4.27 | 43  | 105744  | 52.210  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 212935  | 52.117  | ug/l | 100    |
| 20) Methylene Chloride        | 4.49 | 84  | 65223   | 52.162  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 4.98 | 96  | 60251   | 51.748  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.90 | 45  | 253577  | 55.156  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.84 | 43  | 1031165 | 278.560 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.79 | 63  | 125879  | 52.404  | ug/l | 99     |
| 25) 2-Butanone                | 6.78 | 43  | 286122  | 301.538 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 71602   | 35.390  | ug/l | 96     |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 87190   | 63.813  | ug/l | 95     |
| 28) Bromochloromethane        | 7.15 | 49  | 56397   | 49.535  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.16 | 42  | 194637  | 304.508 | ug/l | 98     |
| 30) Chloroform                | 7.33 | 83  | 123110  | 50.574  | ug/l | 99     |
| 31) Cyclohexane               | 7.61 | 56  | 107084  | 45.904  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 104144  | 49.131  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 89124   | 50.787  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.88 | 43  | 119429  | 58.051  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 80155   | 50.059  | ug/l | 99     |

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 Data File : VN061266.D  
 Acq On : 2 May 2020 10:27  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/4/2020 2:58:15 PM

Quant Time: May 04 07:32:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 29 08:14:26 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 94097    | 47.813   | ug/l   | 97       |
| 40) Benzene                    | 8.00  | 78   | 269636   | 51.573   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.12  | 41   | 48354m   | 56.608   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 105671   | 53.352   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.12  | 43   | 189230   | 55.422   | ug/l   | 99       |
| 44) Trichloroethene            | 8.80  | 130  | 66920    | 47.349   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 73569    | 52.671   | ug/l   | 100      |
| 46) Dibromomethane             | 9.17  | 93   | 45864    | 53.032   | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.37  | 83   | 99087    | 53.379   | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.17  | 41   | 88392    | 57.371   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.16  | 88   | 24599    | 1406.538 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 606147   | 301.607  | ug/l   | 100      |
| 52) Toluene                    | 10.12 | 92   | 163799   | 52.014   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 103165   | 49.323   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 108960   | 49.275   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 65560    | 52.194   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 109144   | 49.871   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 118919   | 53.861   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 279594   | 274.992  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.72 | 43   | 452374   | 309.398  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.87 | 129  | 70126    | 53.305   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 67983    | 53.999   | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.60 | 164  | 66936    | 45.348   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.41 | 112  | 165455   | 48.942   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 61281    | 50.647   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.48 | 91   | 316715   | 50.046   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.60 | 106  | 231487   | 99.933   | ug/l   | 97       |
| 69) o-Xylene                   | 11.92 | 106  | 108675   | 48.841   | ug/l   | 96       |
| 70) Styrene                    | 11.94 | 104  | 192108   | 51.585   | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 48579    | 54.629   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.22 | 105  | 300849   | 48.805   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.04 | 43   | 166613   | 53.376   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 100969   | 52.530   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 90257m   | 51.055   | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 69351    | 48.736   | ug/l   | 97       |
| 78) n-propylbenzene            | 12.56 | 91   | 363211   | 49.676   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 210180   | 48.907   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 256544   | 50.283   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 32726    | 47.011   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 226621   | 50.032   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 211126   | 49.076   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 257682   | 49.022   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.15 | 105  | 291163   | 49.642   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 261321   | 49.450   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 126663   | 48.351   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 128807   | 48.123   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.59 | 91   | 242031   | 49.959   | ug/l   | 98       |
| 90) Hexachloroethane           | 13.85 | 117  | 30897    | 55.130   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 123688   | 49.243   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 22346    | 55.046   | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\  
Data File : VN061266.D  
Acq On : 2 May 2020 10:27  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

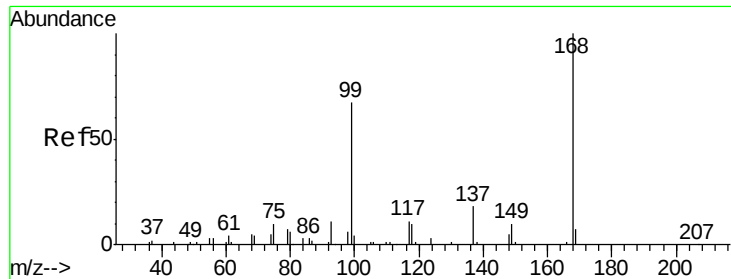
MMDadoda  
5/4/2020 2:58:15 PM

Quant Time: May 04 07:32:35 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 29 08:14:26 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 71776    | 46.926 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.99 | 225  | 31179    | 48.793 | ug/l  | 98       |
| 95) Naphthalene            | 15.10 | 128  | 242193   | 48.620 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 70618    | 46.762 | ug/l  | 99       |

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





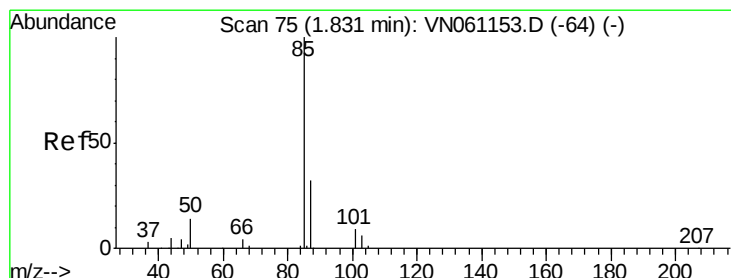
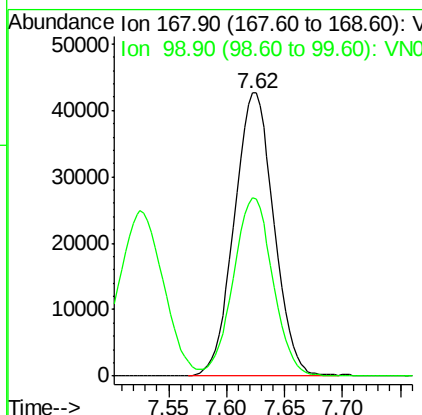
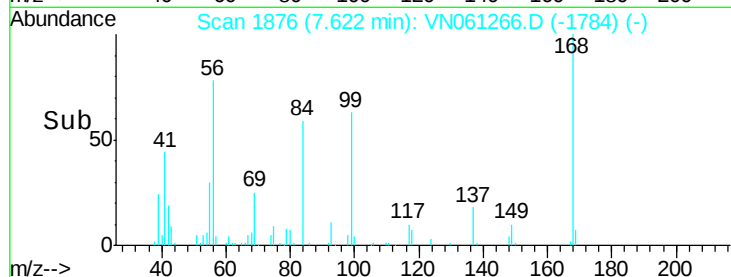
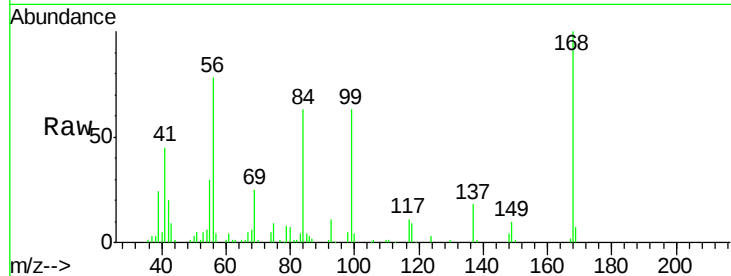
#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.62 min Scan# 1876  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 62.9  | 51.2  | 76.8  |

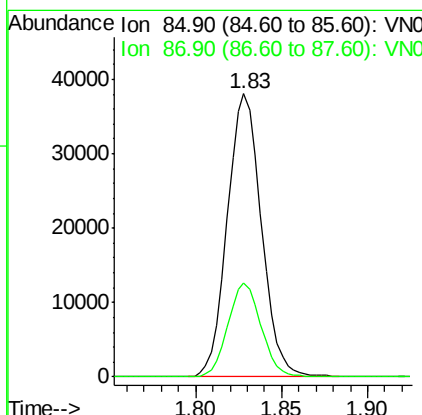
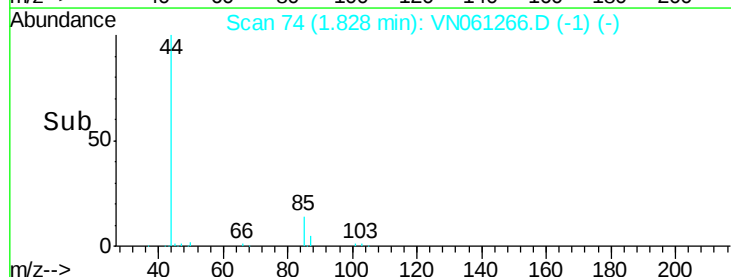
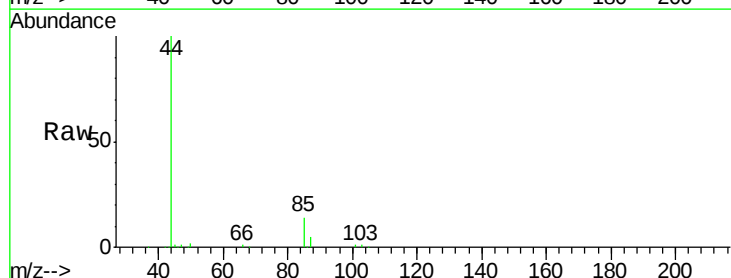
Manual Integrations  
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#2  
 Dichlorodifluoromethane  
 Concen: 48.690 ug/l  
 RT: 1.83 min Scan# 74  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 33.2  | 16.1  | 48.2  |





#3

Chloromethane

Concen: 57.916 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Tot Ion: 50 Resp: 75381

Ion Ratio Lower Upper

50 100

52 31.3 26.0 39.0

Instrument :

MSVOA\_N

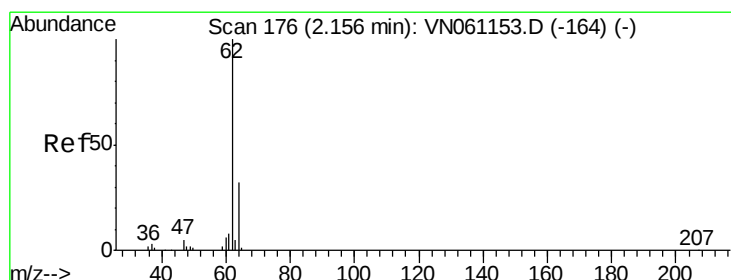
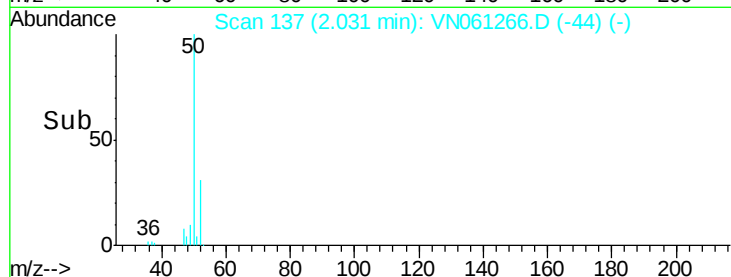
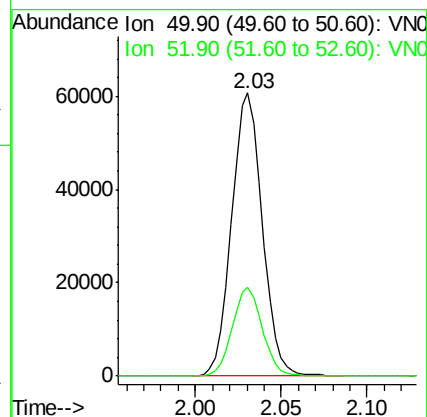
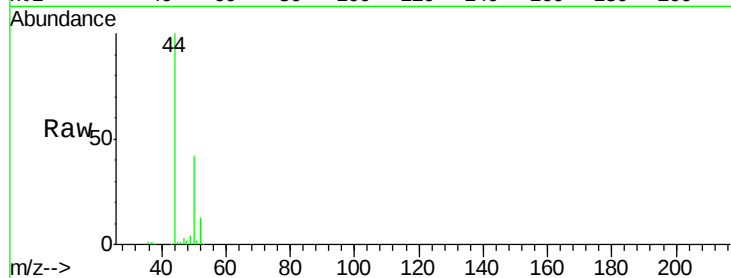
ClientSampleId :

VSTDCCC050EC

Manual Integrations  
APPROVED

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5/4/2020 2:58:15 PM



#4

Vinyl Chloride

Concen: 59.741 ug/l

RT: 2.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VN061266.D

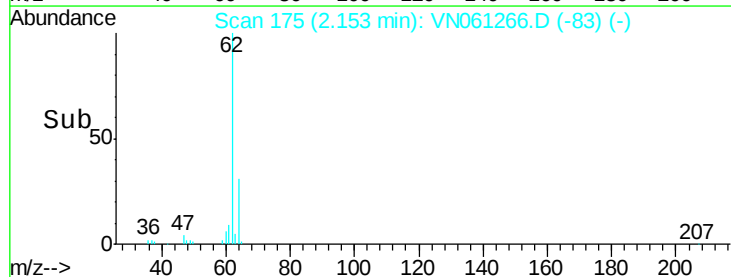
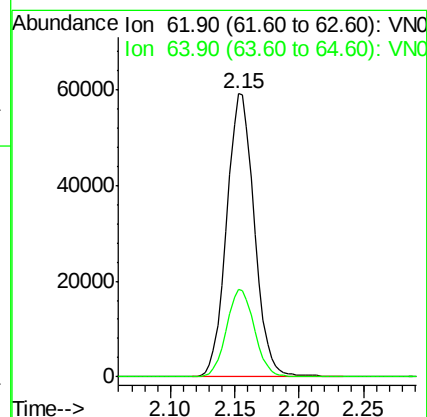
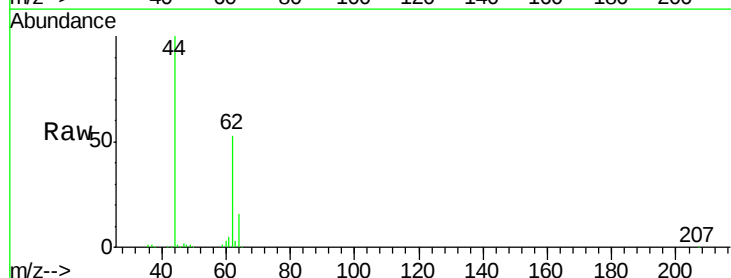
Acq: 2 May 2020 10:27

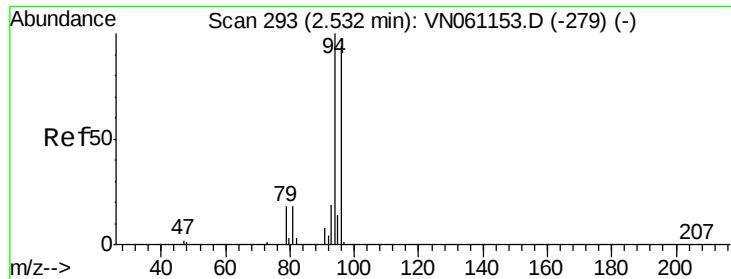
Tgt Ion: 62 Resp: 88316

Ion Ratio Lower Upper

62 100

64 31.0 25.2 37.8





#5

Bromomethane

Concen: 44.652 ug/l

RT: 2.52 min Scan# 290

Delta R.T. -0.01 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 32629

Ion Ratio Lower Upper

94 100

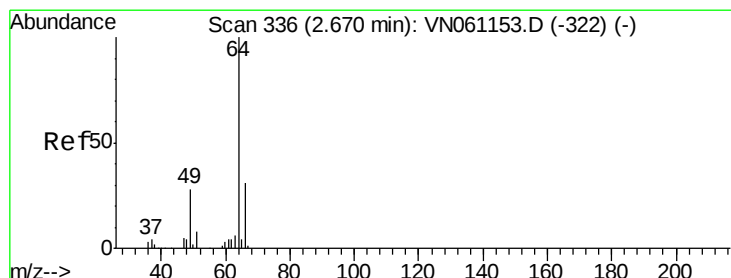
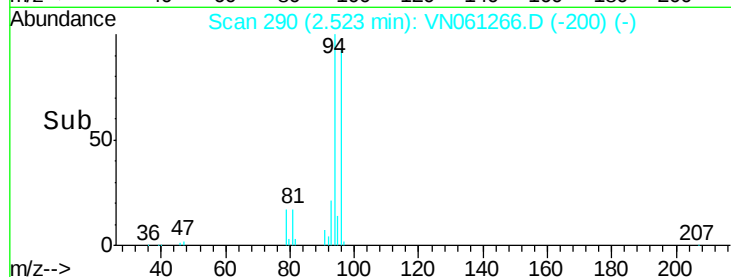
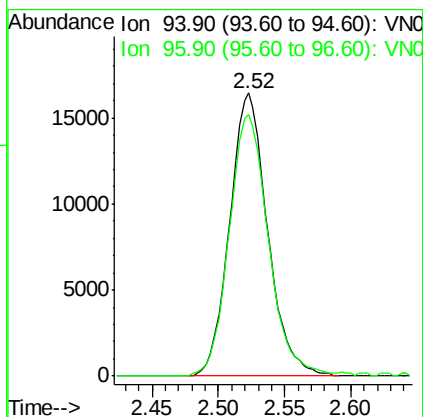
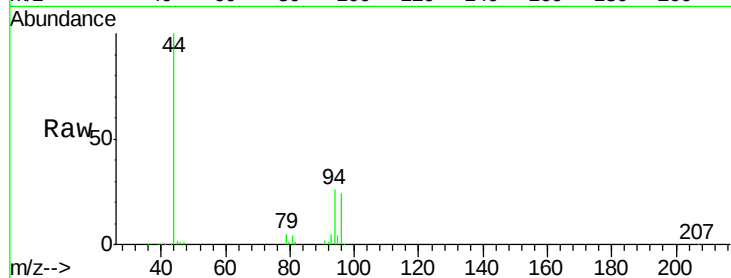
96 92.6 75.1 112.7

Manual Integrations

APPROVED

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5/4/2020 2:58:15 PM



#6

Chloroethane

Concen: 52.745 ug/l

RT: 2.66 min Scan# 334

Delta R.T. -0.01 min

Lab File: VN061266.D

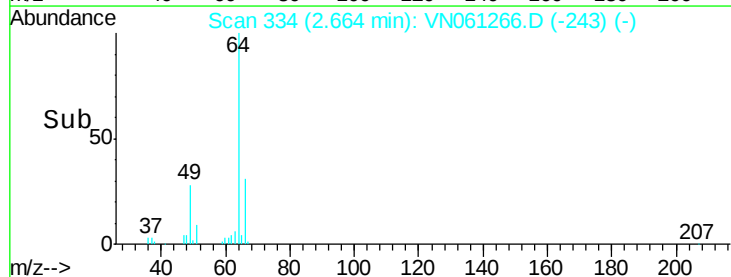
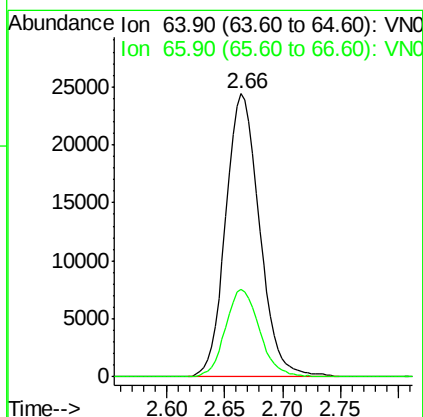
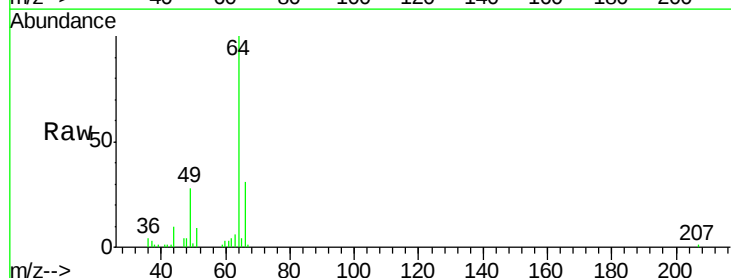
Acq: 2 May 2020 10:27

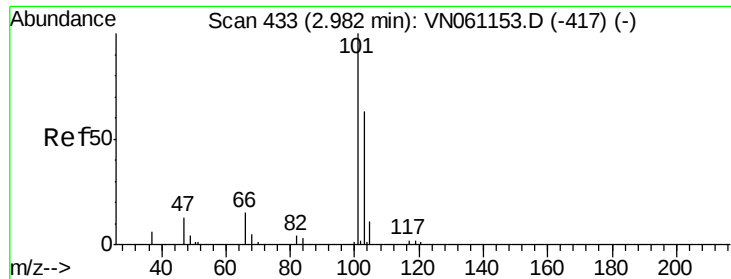
Tgt Ion: 64 Resp: 49422

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8





#7

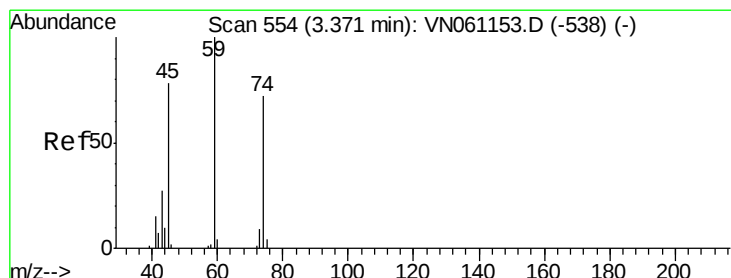
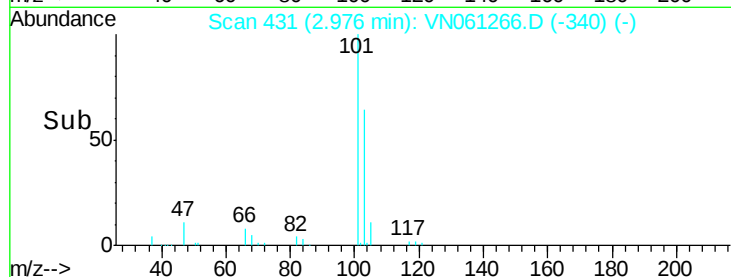
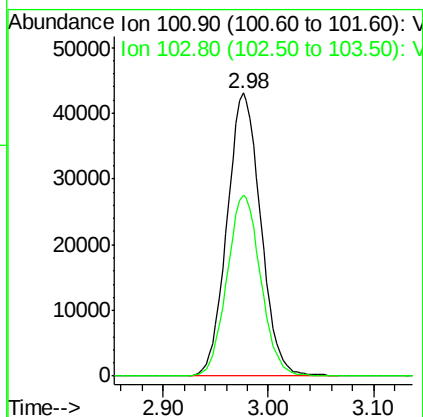
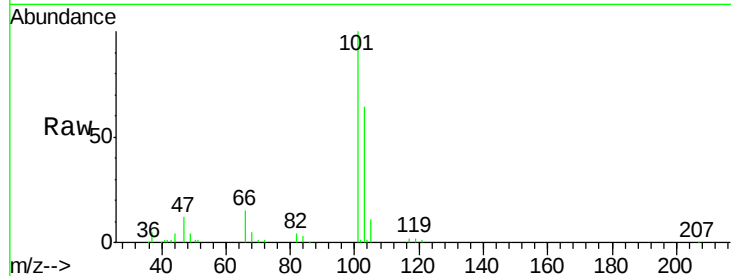
Trichlorofluoromethane  
 Concen: 57.110 ug/l  
 RT: 2.98 min Scan# 431  
 Delta R.T. -0.01 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

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

Manual Integrations  
 APPROVED

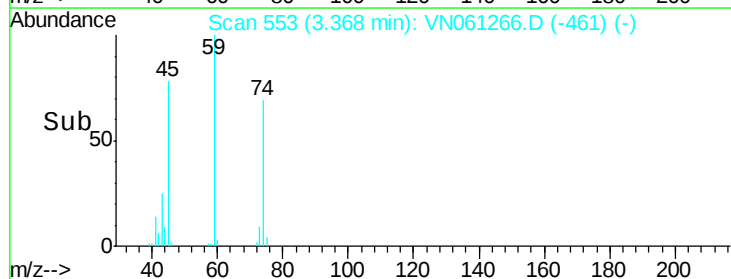
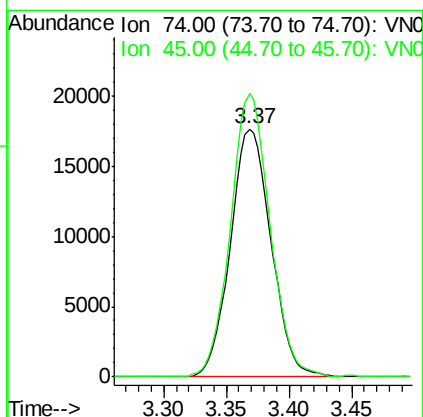
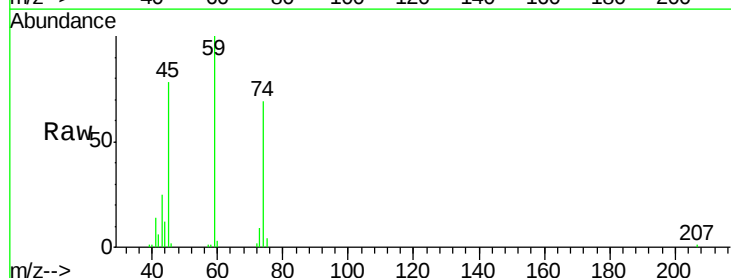
MMDadoda  
 5/4/2020 2:58:15 PM



#8

Diethyl Ether  
 Concen: 57.110 ug/l  
 RT: 3.37 min Scan# 553  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 111.3 | 53.3  | 160.0 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.356 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

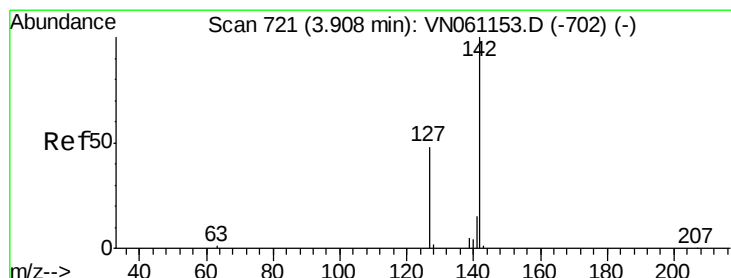
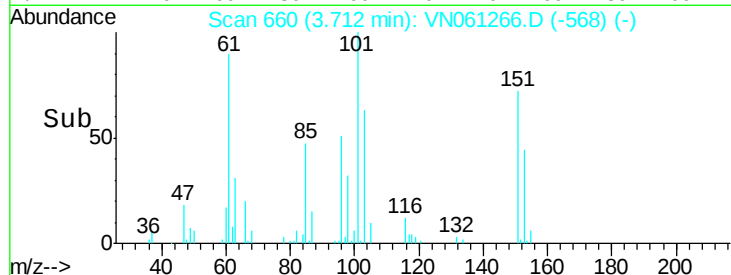
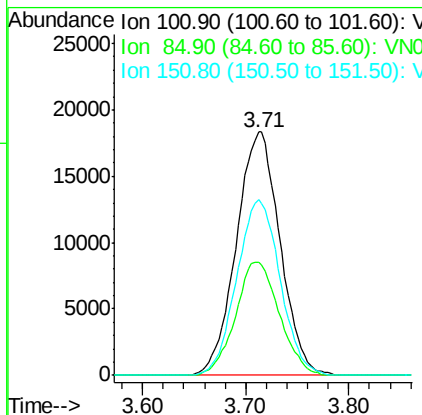
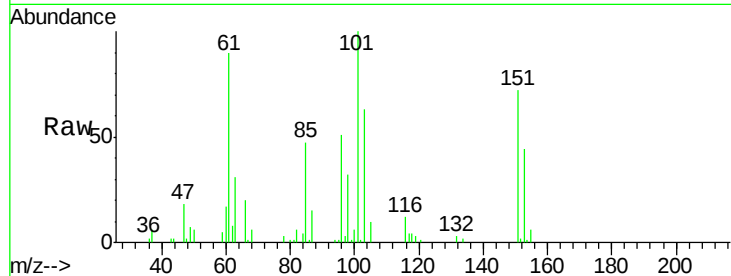
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 54107 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 46.5  | 37.2  | 55.8  |
| 151       | 71.4  | 57.7  | 86.5  |

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#10

Methyl Iodide

Concen: 41.451 ug/l

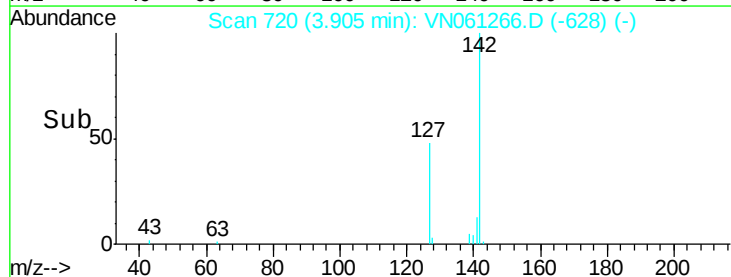
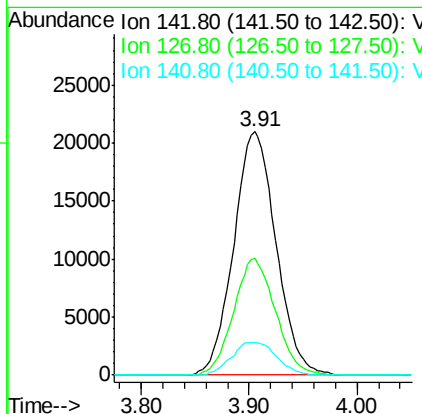
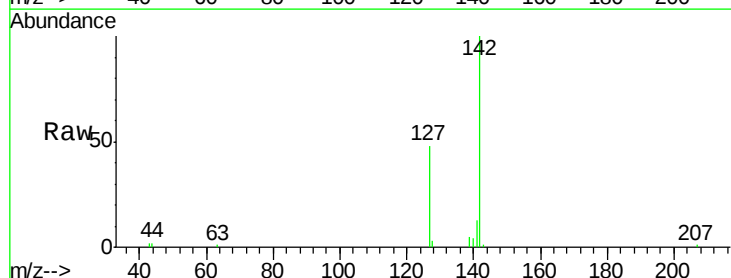
RT: 3.91 min Scan# 720

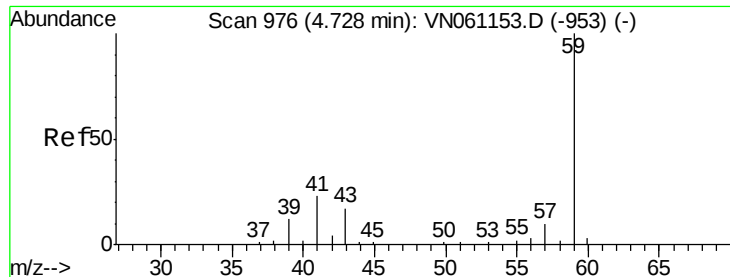
Delta R.T. -0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 57238 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 47.2  | 38.0  | 57.0  |
| 141       | 14.3  | 11.7  | 17.5  |





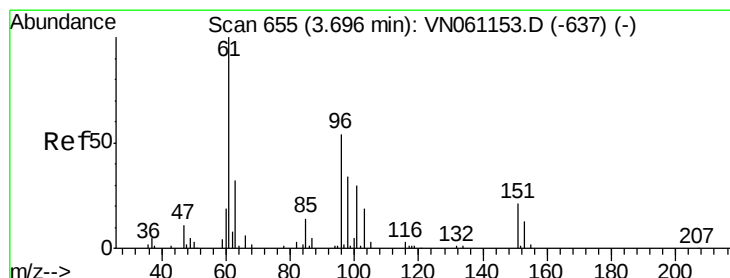
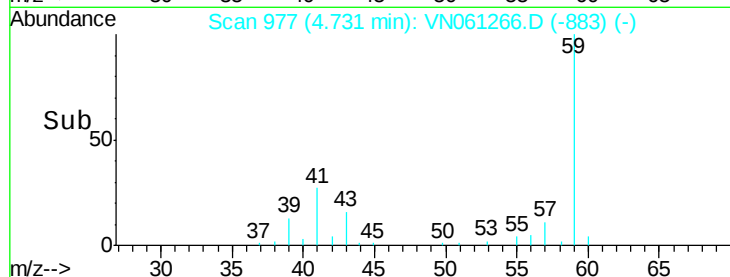
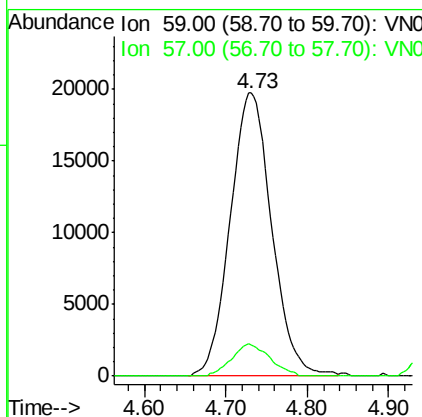
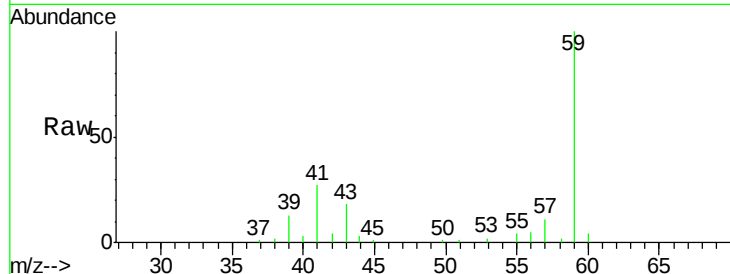
#11  
Tert butyl alcohol  
Concen: 325.252 ug/l  
RT: 4.73 min Scan# 977  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 59 Resp: 69867  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.3 12.5

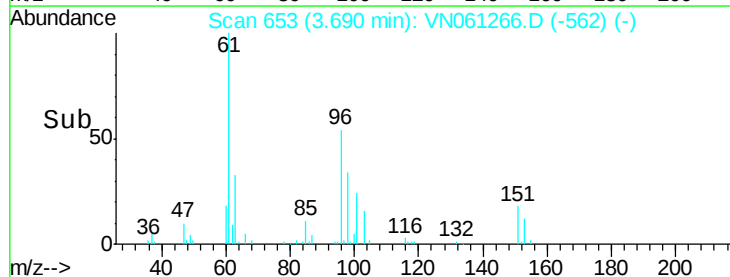
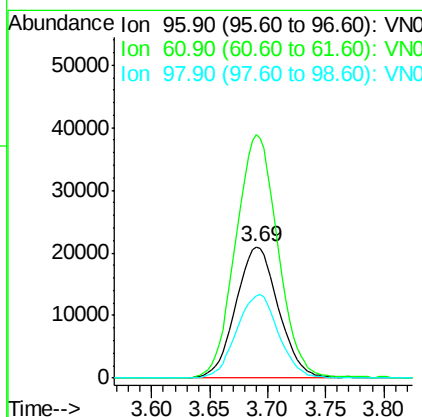
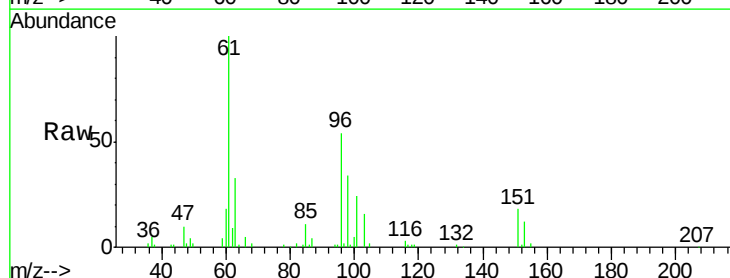
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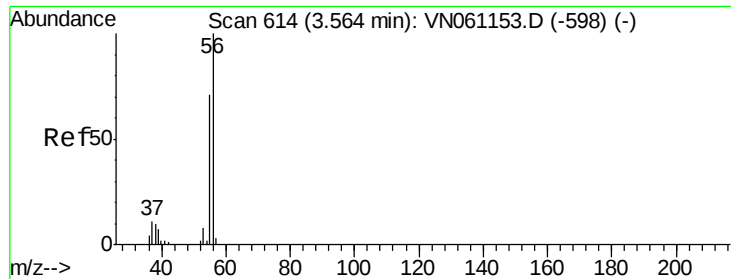
MMDadoda  
5/4/2020 2:58:15 PM



#12  
1,1-Dichloroethene  
Concen: 50.094 ug/l  
RT: 3.69 min Scan# 653  
Delta R.T. -0.01 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Tgt Ion: 96 Resp: 53563  
Ion Ratio Lower Upper  
96 100  
61 185.3 147.0 220.6  
98 62.8 49.8 74.6





#13

Acrolein

Concen: 242.865 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 34766

Ion Ratio Lower Upper

56 100

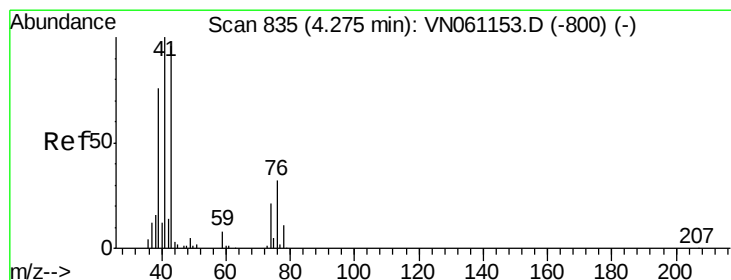
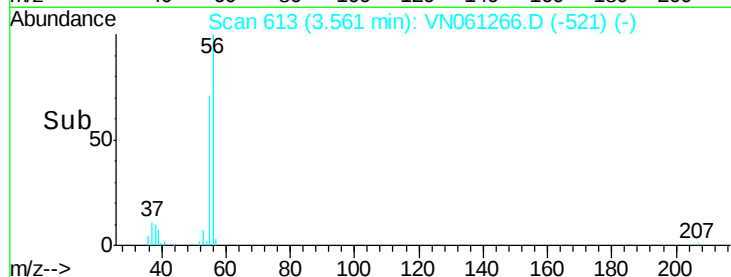
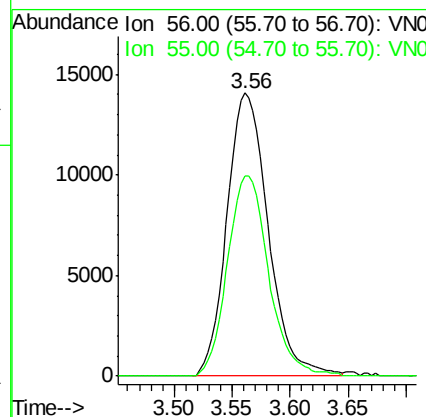
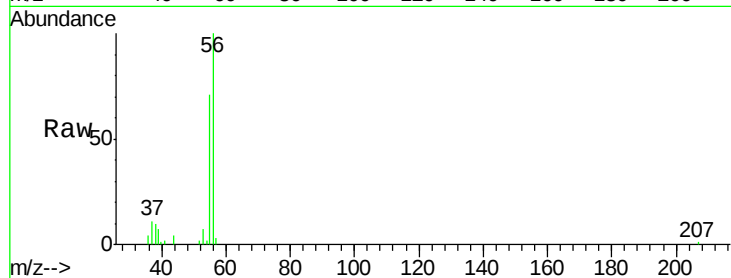
55 70.8 58.5 87.7

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5/4/2020 2:58:15 PM



#14

Allyl chloride

Concen: 57.726 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

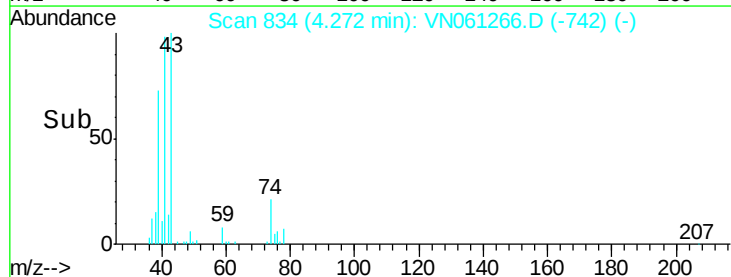
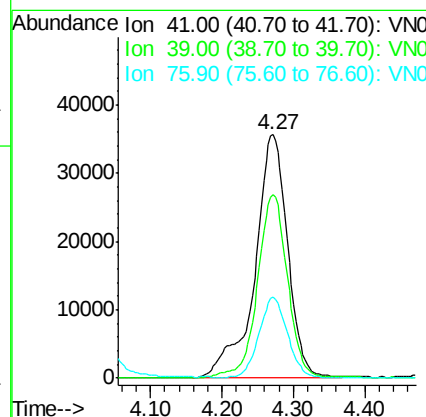
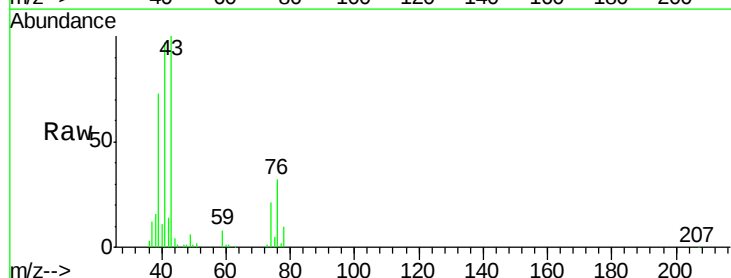
Tgt Ion: 41 Resp: 114447

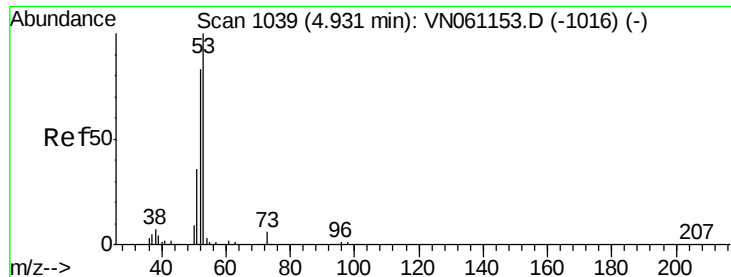
Ion Ratio Lower Upper

41 100

39 68.9 57.1 85.7

76 28.9 24.3 36.5





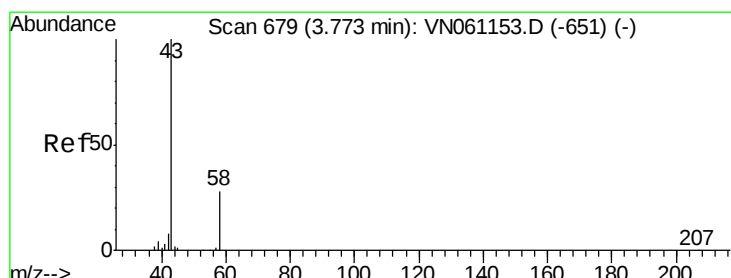
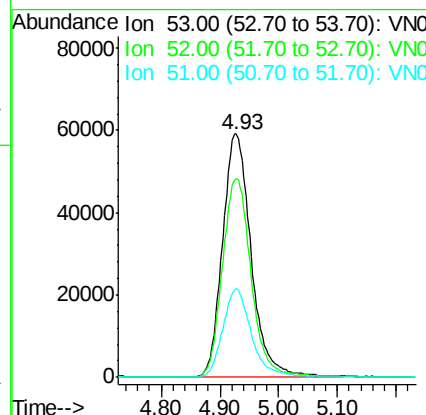
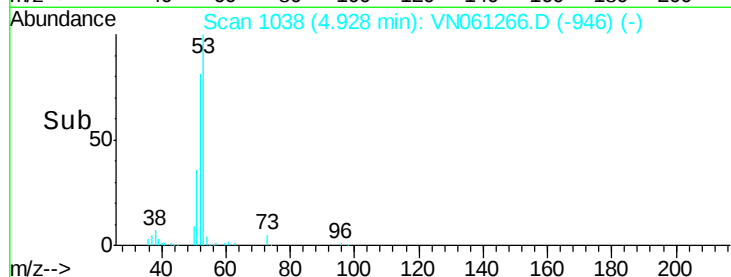
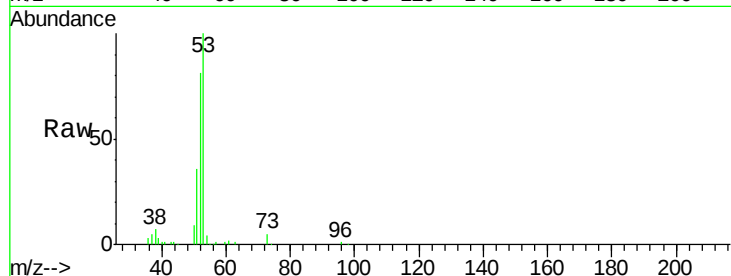
#15  
 Acrylonitrile  
 Concen: 304.862 ug/l  
 RT: 4.93 min Scan# 1038  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | 53    | Resp  | 201028 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 53      | 100   |       |        |
| 52      | 81.7  | 65.4  | 98.0   |
| 51      | 36.1  | 29.5  | 44.3   |

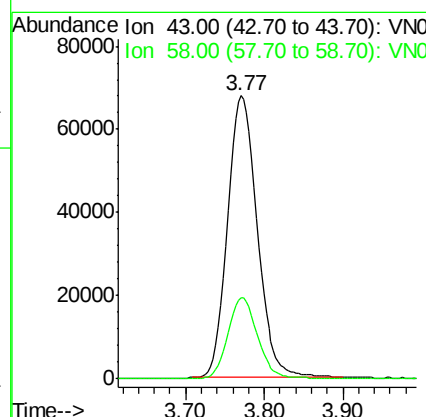
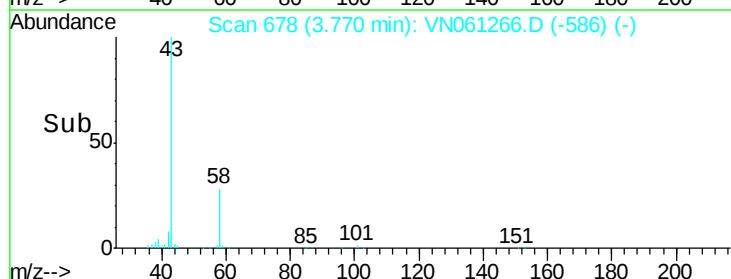
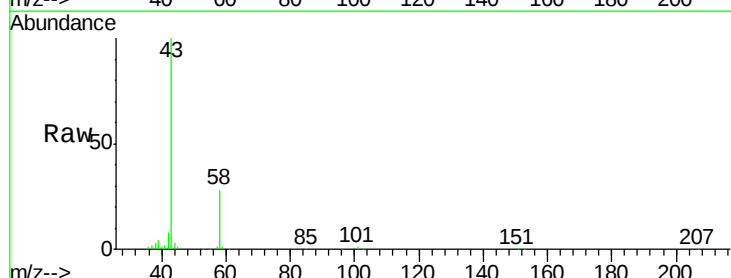
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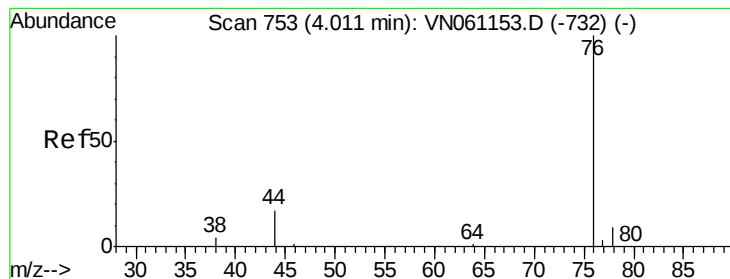
MMDadoda  
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#16  
 Acetone  
 Concen: 287.011 ug/l  
 RT: 3.77 min Scan# 678  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | 43    | Resp  | 177489 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 58      | 28.6  | 22.2  | 33.2   |





#17

Carbon Disulfide

Concen: 41.284 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 121937

Ion Ratio Lower Upper

76 100

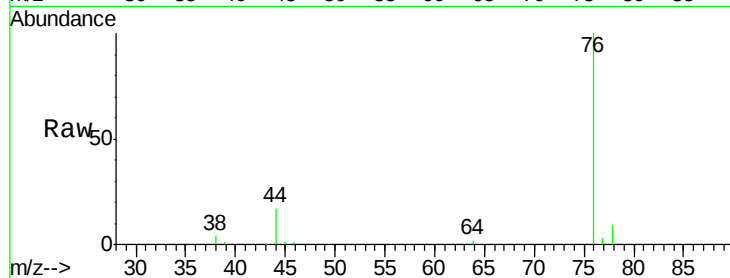
78 9.3 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

50000

40000

30000

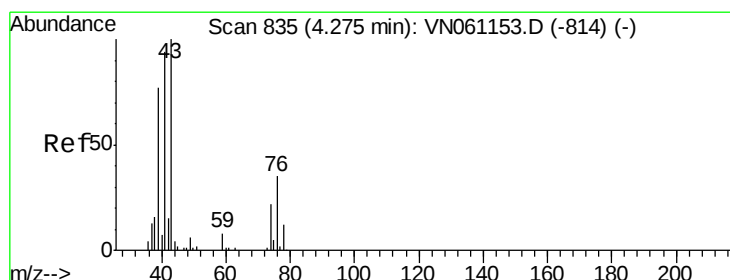
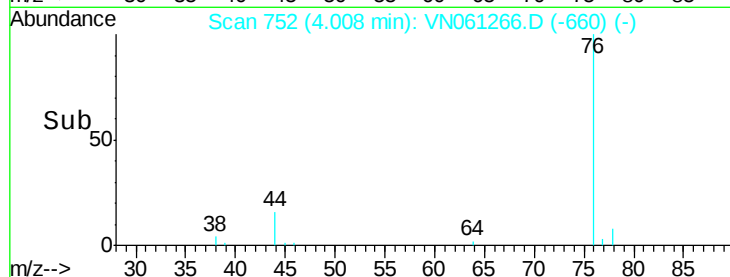
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 52.210 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061266.D

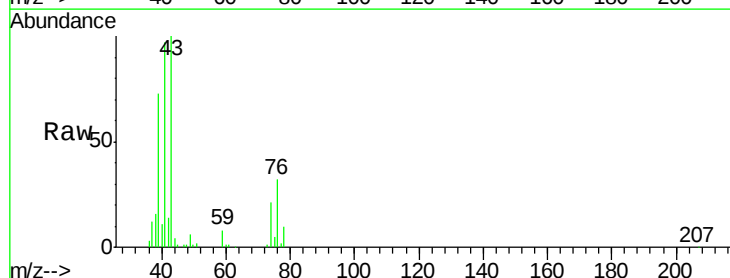
Acq: 2 May 2020 10:27

Tgt Ion: 43 Resp: 105744

Ion Ratio Lower Upper

43 100

74 20.3 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.27

40000

30000

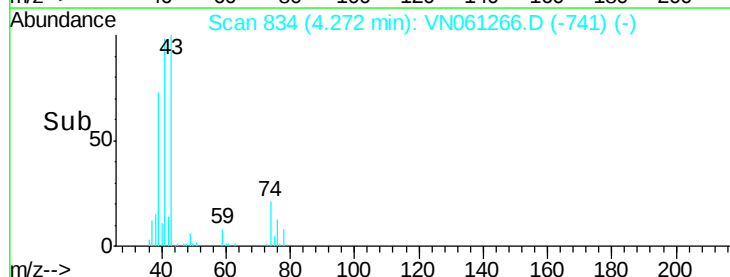
20000

10000

0

Time-->

4.20 4.30 4.40





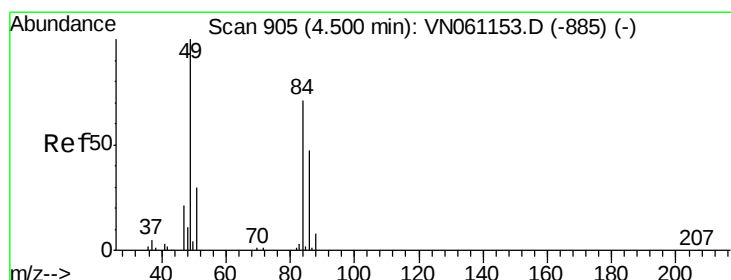
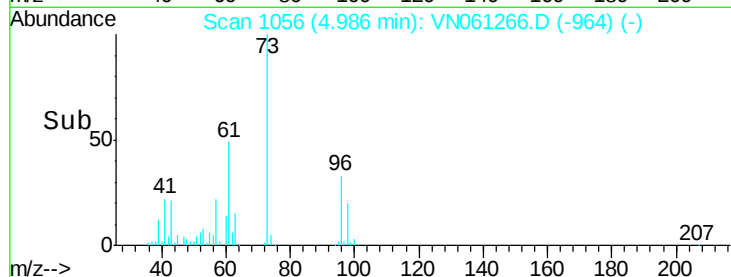
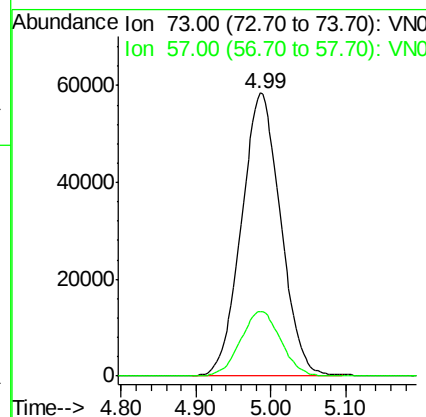
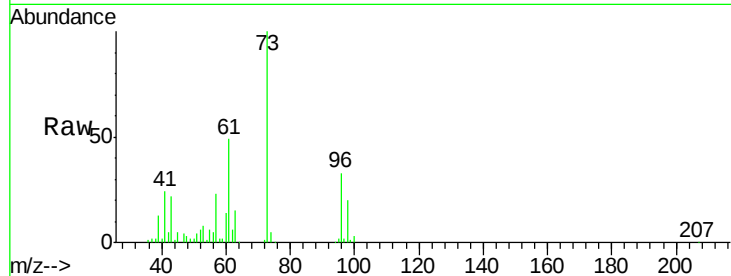
#19  
Methyl tert-butyl Ether  
Concen: 52.117 ug/l  
RT: 4.99 min Scan# 1056  
Delta R.T. -0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 212935  
Ion Ratio Lower Upper  
73 100  
57 22.9 18.3 27.5

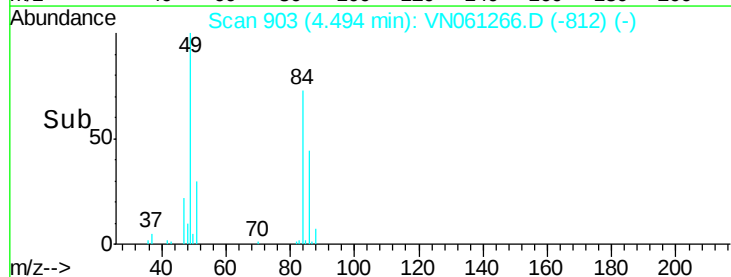
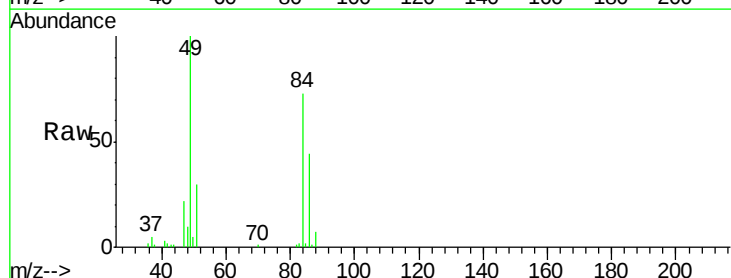
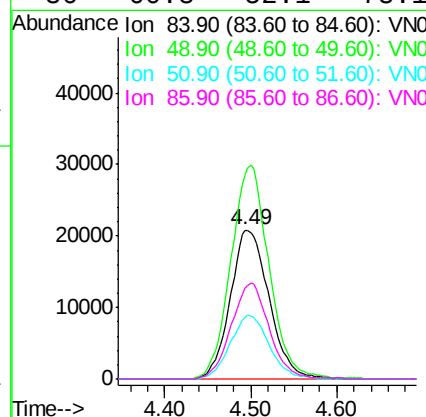
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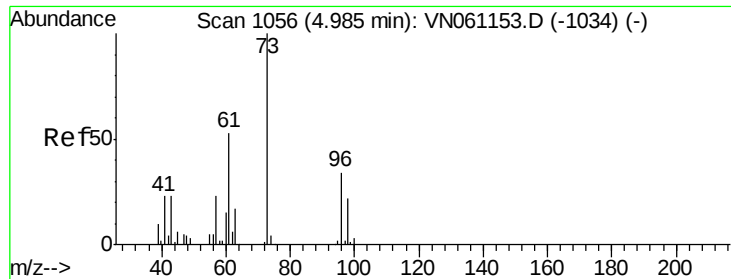
MMDadoda  
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#20  
Methylene Chloride  
Concen: 52.162 ug/l  
RT: 4.49 min Scan# 903  
Delta R.T. -0.01 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Tgt Ion: 84 Resp: 65223  
Ion Ratio Lower Upper  
84 100  
49 137.2 112.0 168.0  
51 41.4 33.6 50.4  
86 60.8 52.1 78.1





#21

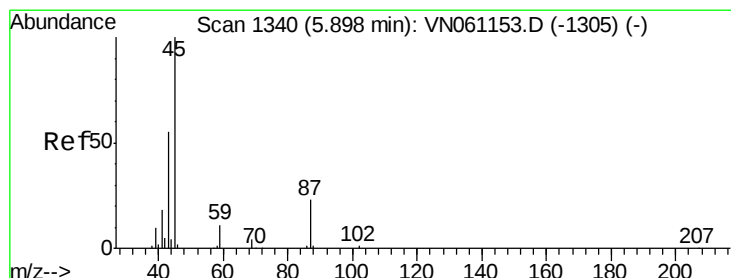
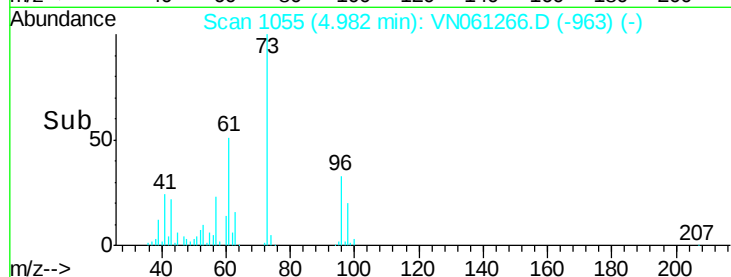
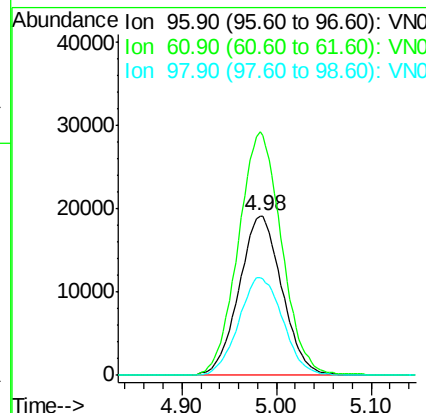
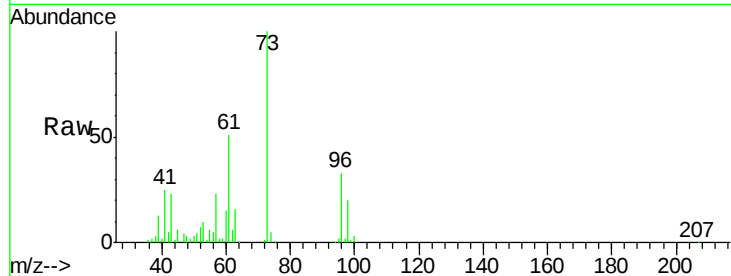
trans-1,2-Dichloroethene  
Concen: 51.748 ug/l  
RT: 4.98 min Scan# 1055  
Delta R.T. -0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 152.8 | 123.0 | 184.4 |
| 98      | 61.1  | 50.1  | 75.1  |

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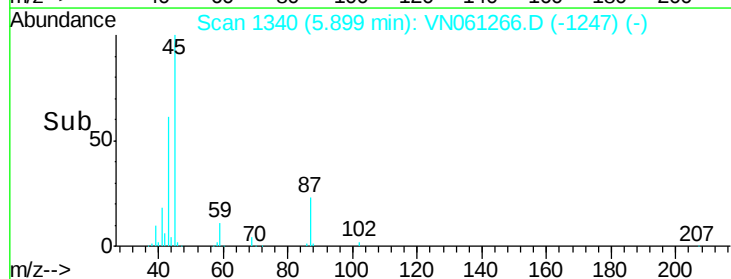
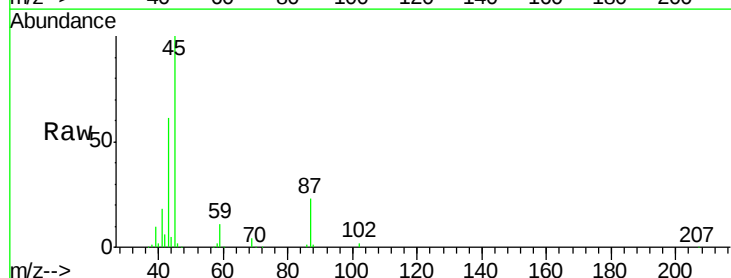
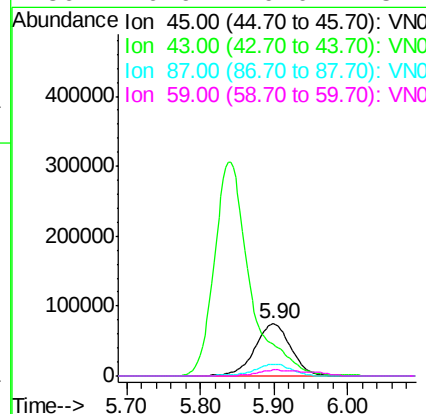
MMDadoda  
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#22

Diisopropyl ether  
Concen: 55.156 ug/l  
RT: 5.90 min Scan# 1340  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 58.7  | 47.9  | 71.9  |
| 87      | 23.1  | 19.2  | 28.8  |
| 59      | 10.9  | 9.0   | 13.4  |





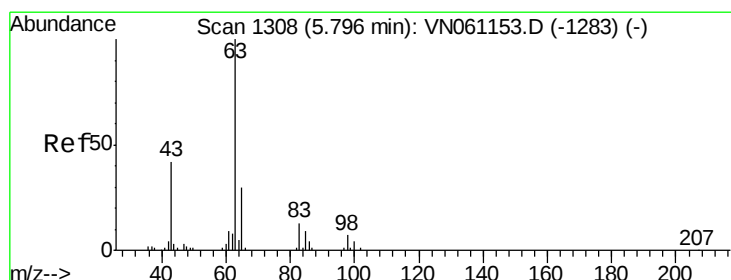
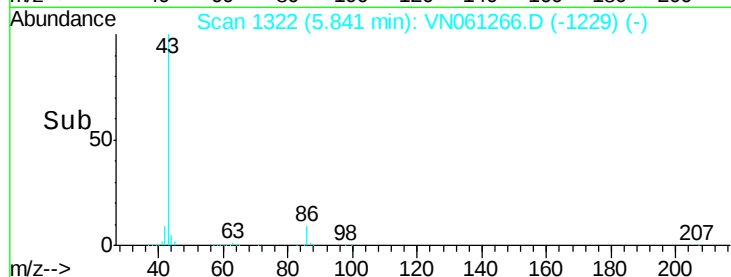
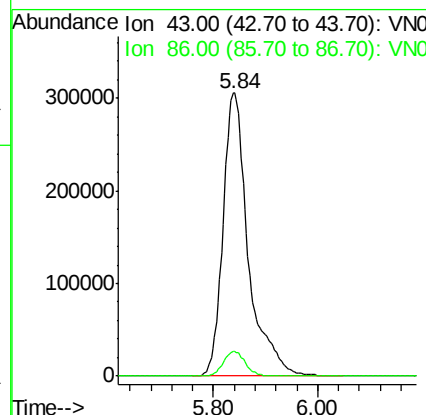
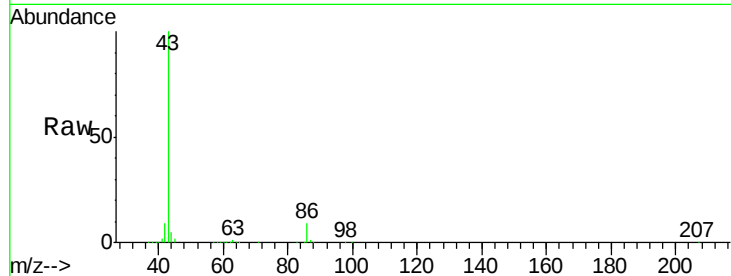
#23  
 Vinyl Acetate  
 Concen: 278.560 ug/l  
 RT: 5.84 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 1031165  
 Ion Ratio Lower Upper  
 43 100  
 86 8.7 7.2 10.8

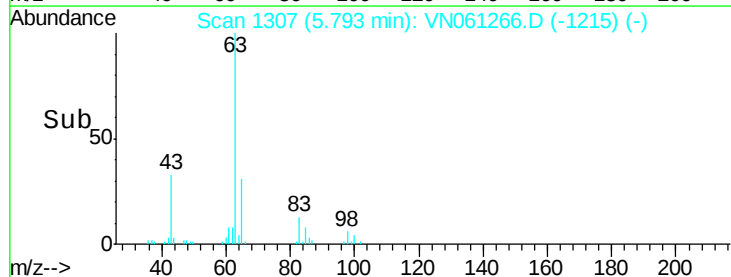
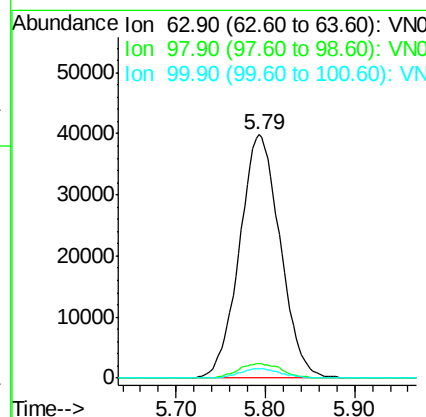
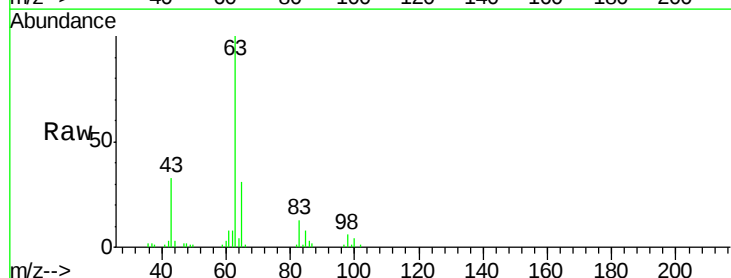
Manual Integrations  
 APPROVED

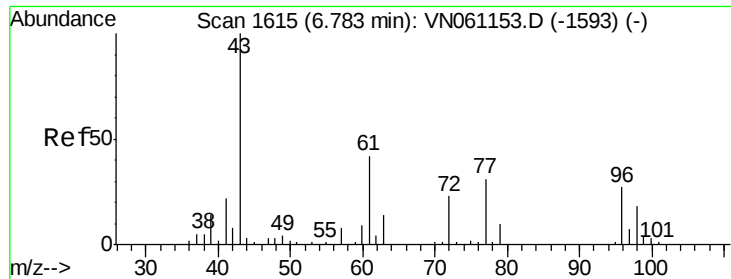
MMDadoda  
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#24  
 1,1-Dichloroethane  
 Concen: 52.404 ug/l  
 RT: 5.79 min Scan# 1307  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Tgt Ion: 63 Resp: 125879  
 Ion Ratio Lower Upper  
 63 100  
 98 5.9 3.3 9.9  
 100 3.8 1.9 5.7





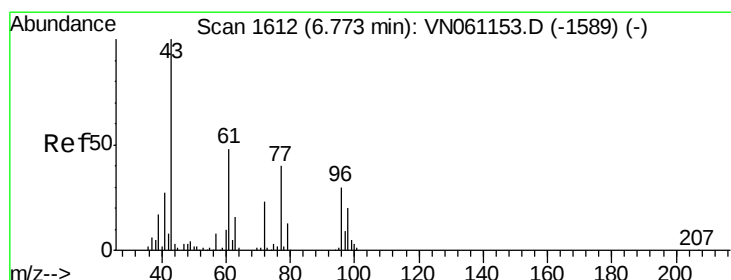
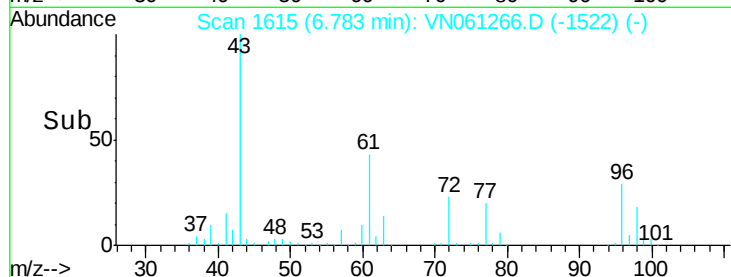
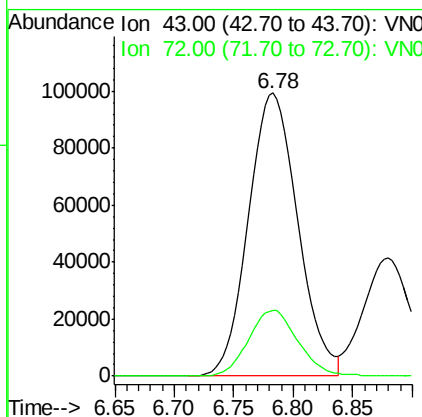
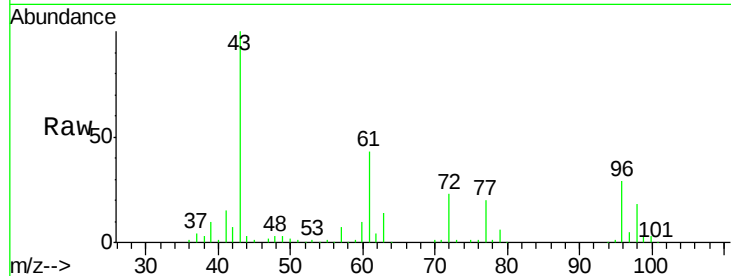
#25  
2-Butanone  
Concen: 301.538 ug/l  
RT: 6.78 min Scan# 1615  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 286122  
Ion Ratio Lower Upper  
43 100  
72 23.3 18.2 27.4

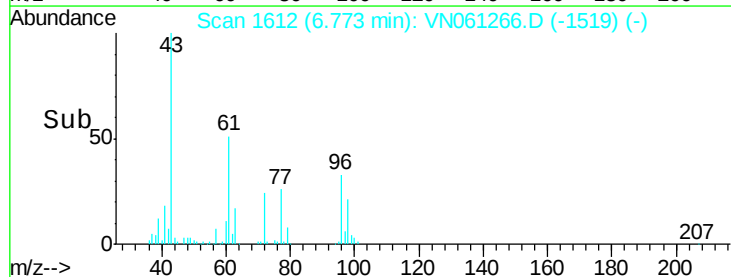
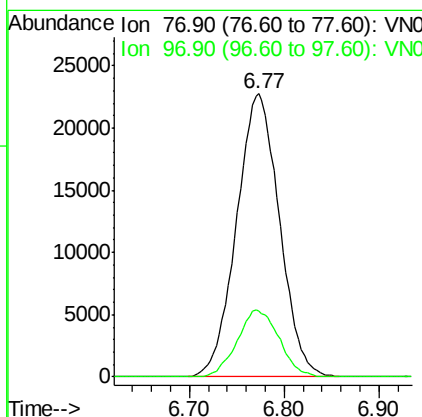
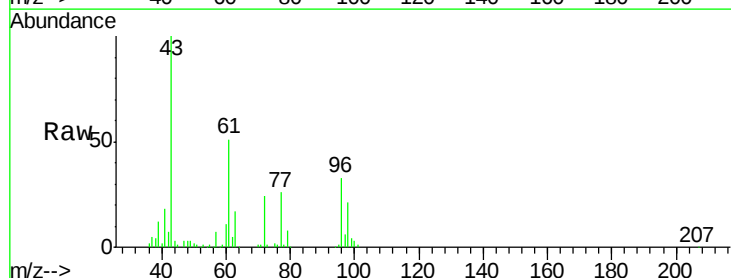
Manual Integrations  
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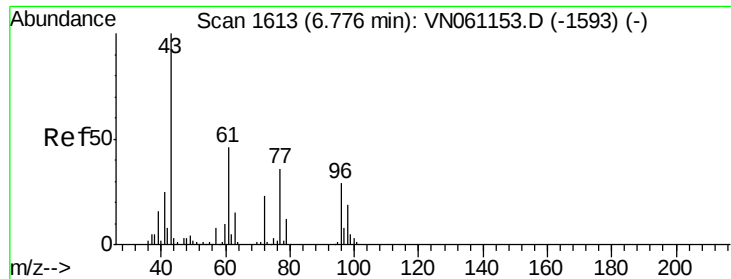
MMDadoda  
5/4/2020 2:58:15 PM



#26  
2,2-Dichloropropane  
Concen: 35.390 ug/l  
RT: 6.77 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Tgt Ion: 77 Resp: 71602  
Ion Ratio Lower Upper  
77 100  
97 23.0 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 63.813 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

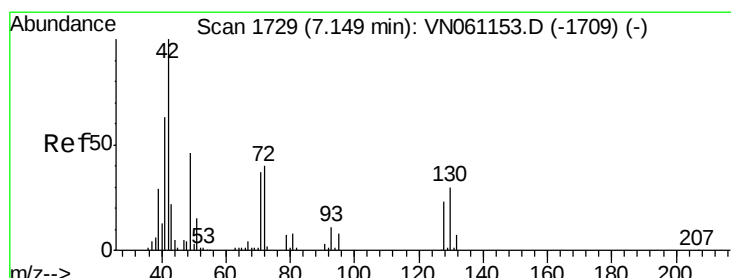
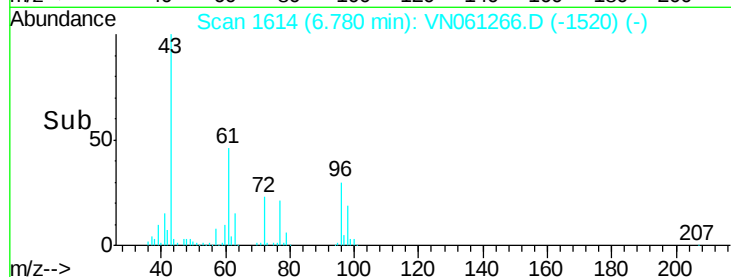
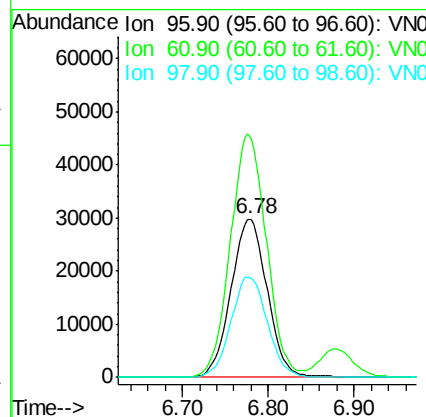
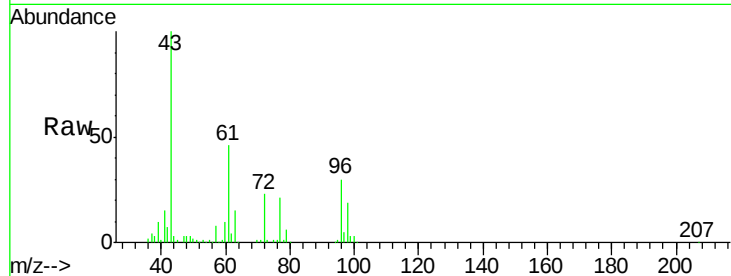
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 87190 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 153.0 | 0.0   | 322.0 |
| 98       | 63.8  | 0.0   | 129.6 |

Manual Integrations  
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#28

Bromochloromethane

Concen: 49.535 ug/l

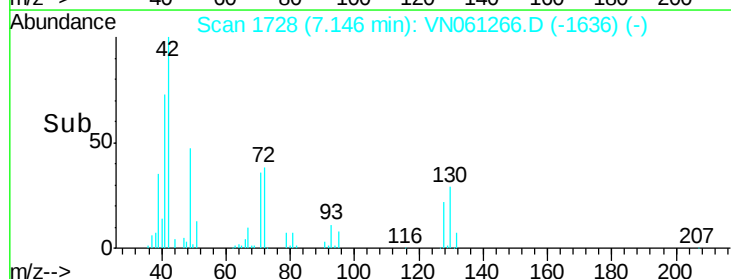
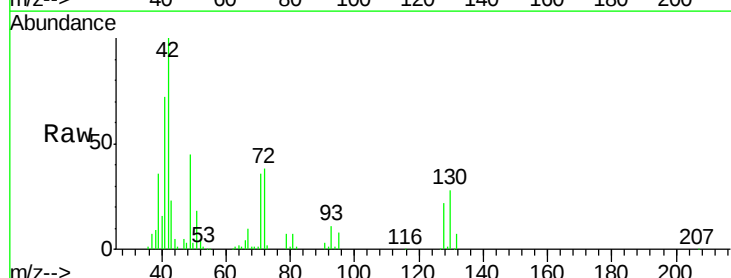
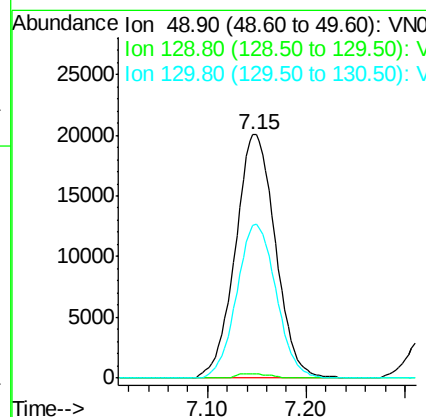
RT: 7.15 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 56397 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.4   | 0.0   | 3.0   |
| 130      | 62.1  | 51.4  | 77.2  |





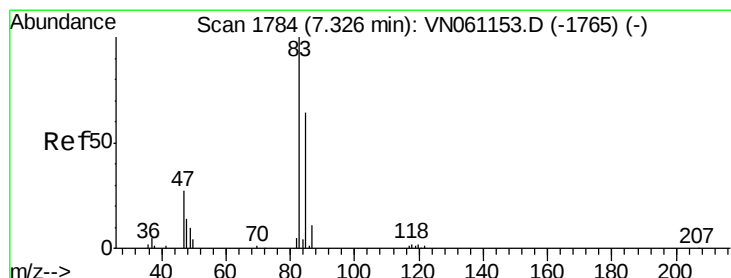
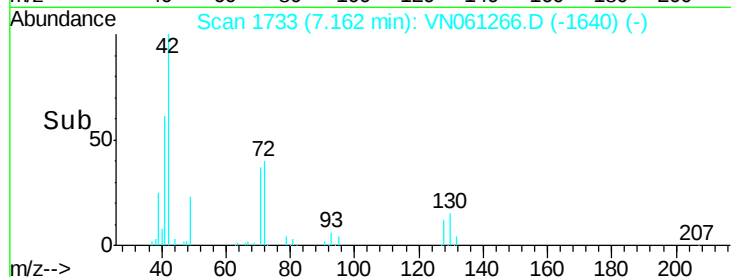
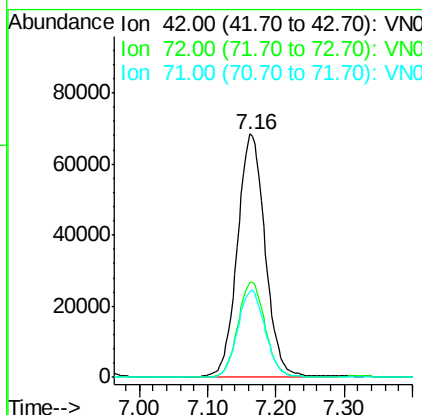
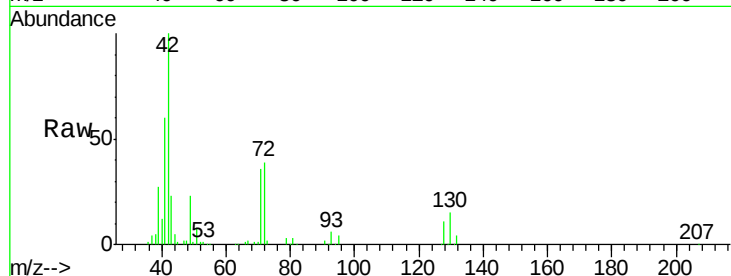
#29  
Tetrahydrofuran  
Concen: 304.508 ug/l  
RT: 7.16 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.3  | 31.4  | 47.0  |
| 71      | 35.2  | 29.5  | 44.3  |

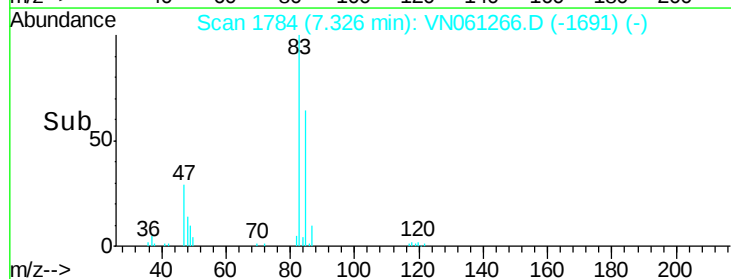
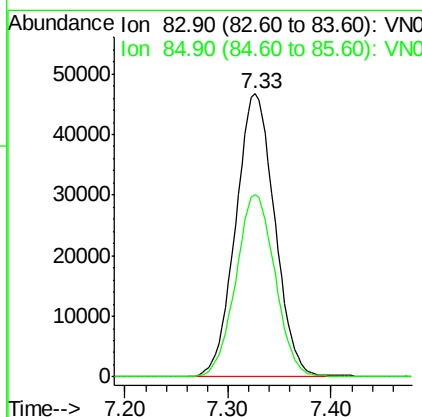
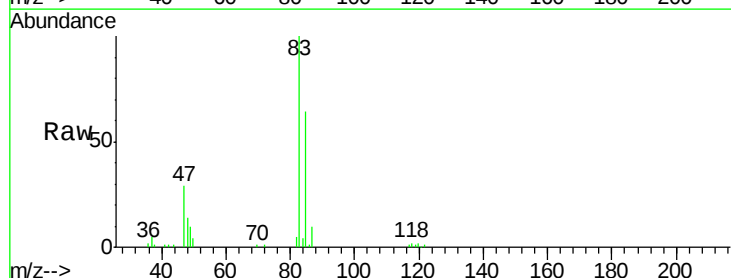
Manual Integrations  
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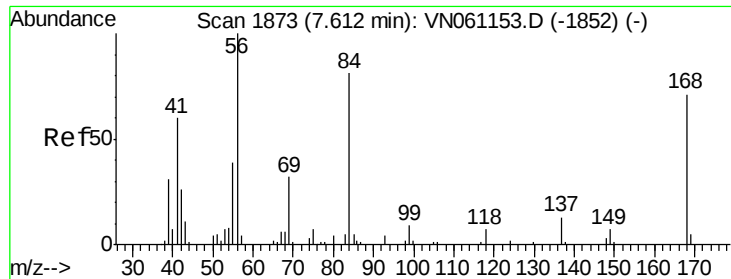
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#30  
Chloroform  
Concen: 50.574 ug/l  
RT: 7.33 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 51.1  | 76.7  |





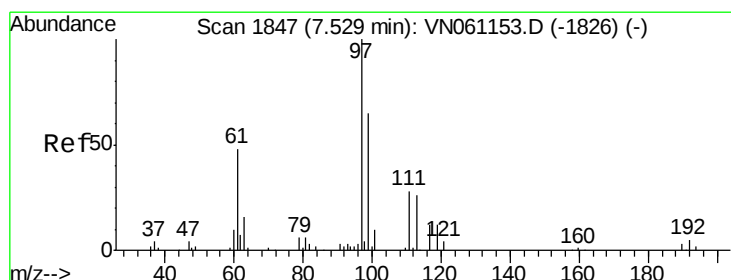
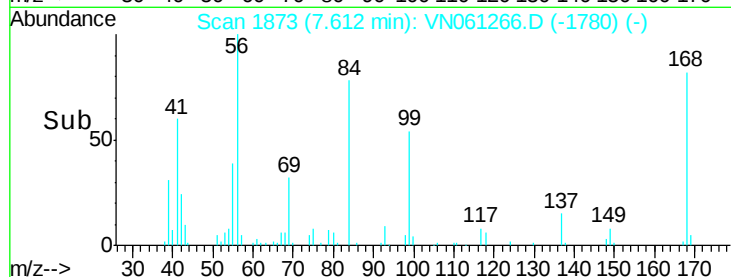
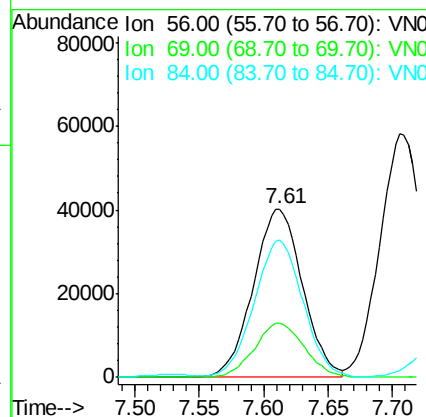
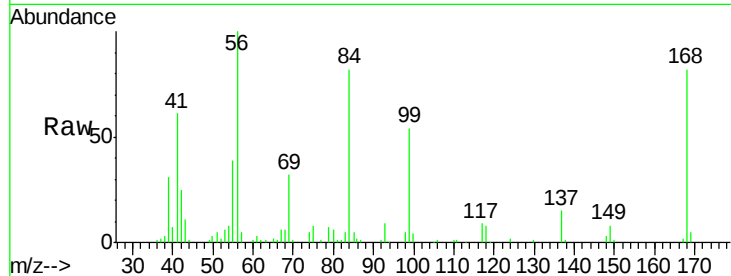
#31  
Cyclohexane  
Concen: 45.904 ug/l  
RT: 7.61 min Scan# 1873  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.4  | 25.7  | 38.5  |
| 84      | 80.8  | 64.6  | 97.0  |

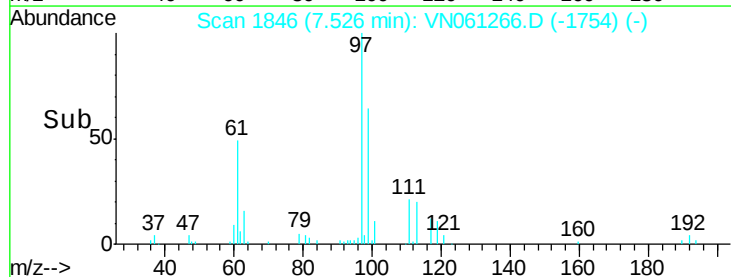
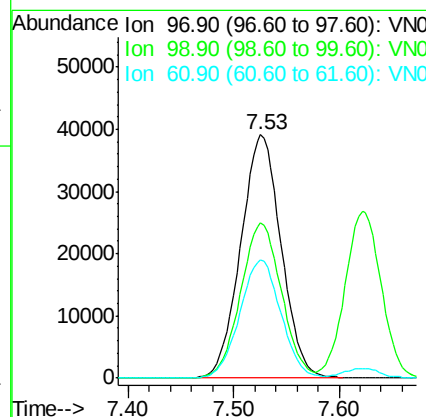
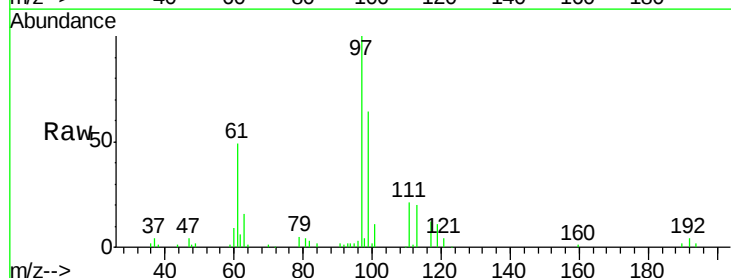
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#32  
1,1,1-Trichloroethane  
Concen: 49.131 ug/l  
RT: 7.53 min Scan# 1846  
Delta R.T. -0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.4  | 51.3  | 76.9  |
| 61      | 49.4  | 38.6  | 57.8  |





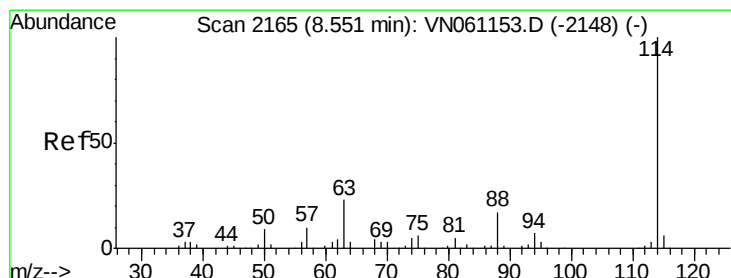
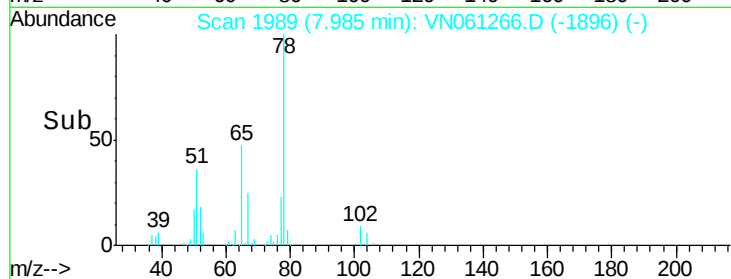
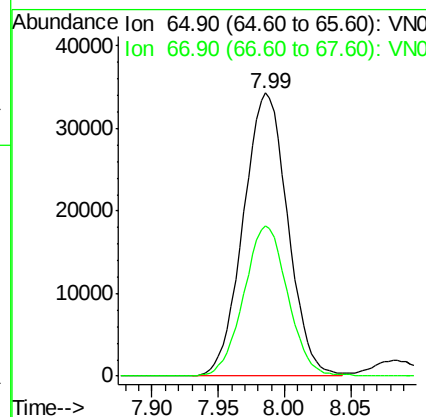
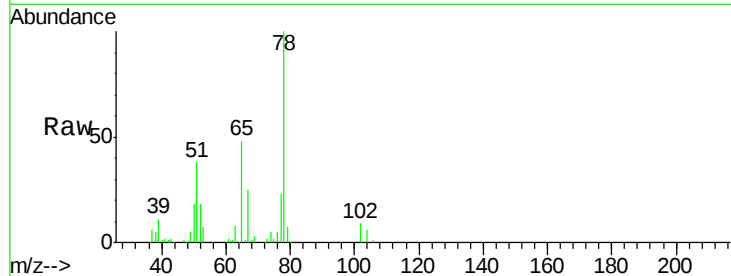
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.830 ug/l  
 RT: 7.99 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.3  | 0.0   | 101.6 |

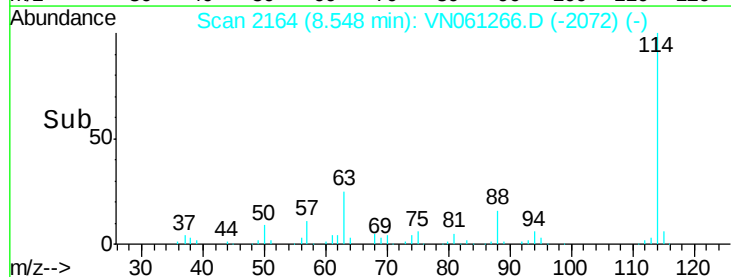
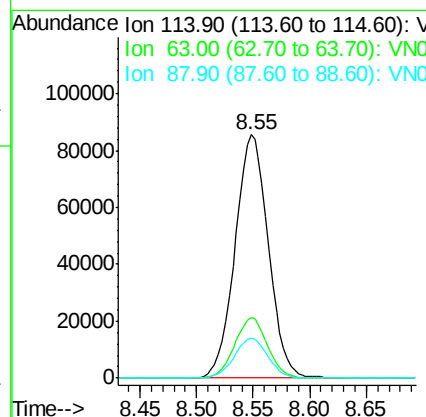
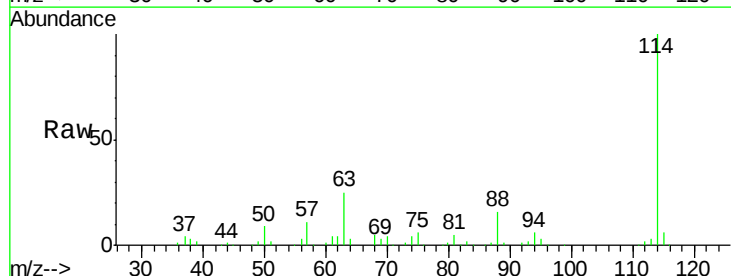
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2164  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.9  | 0.0   | 46.6  |
| 88      | 16.3  | 0.0   | 33.4  |





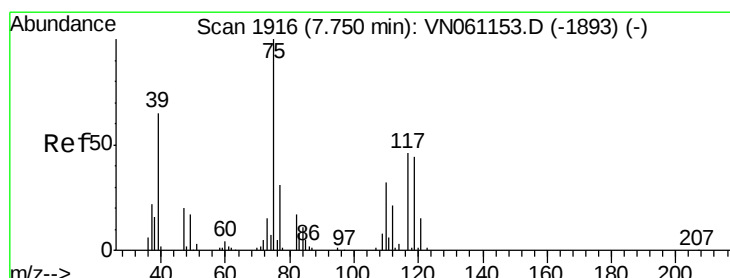
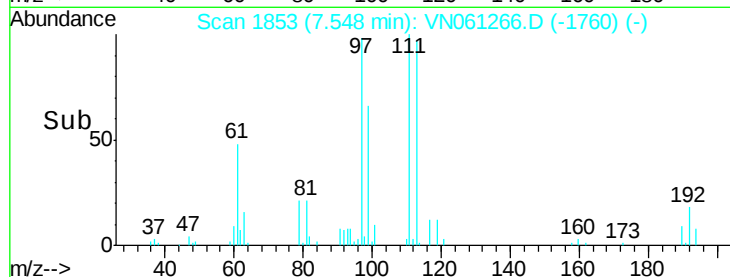
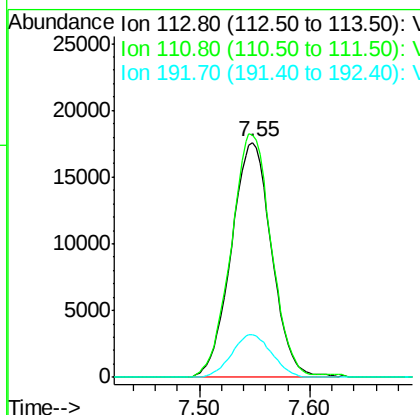
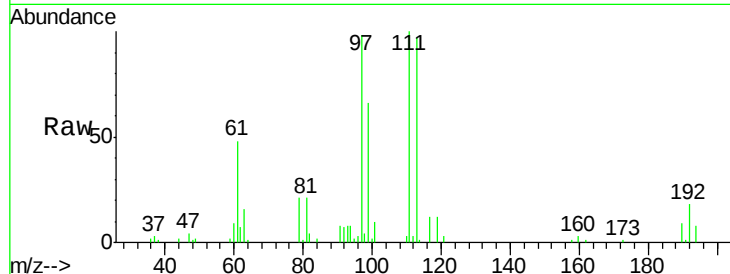
#35  
 Dibromofluoromethane  
 Concen: 42.994 ug/l  
 RT: 7.55 min Scan# 1853  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 82.9  | 124.3 |
| 192     | 18.0  | 14.7  | 22.1  |

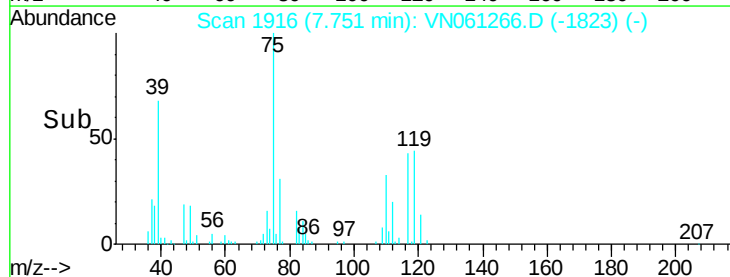
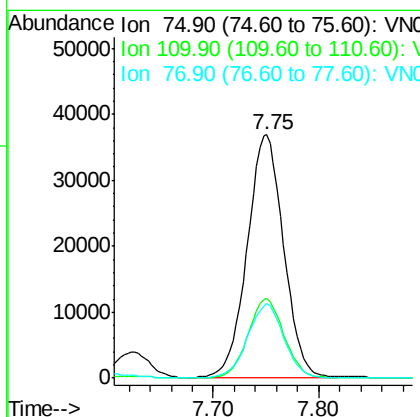
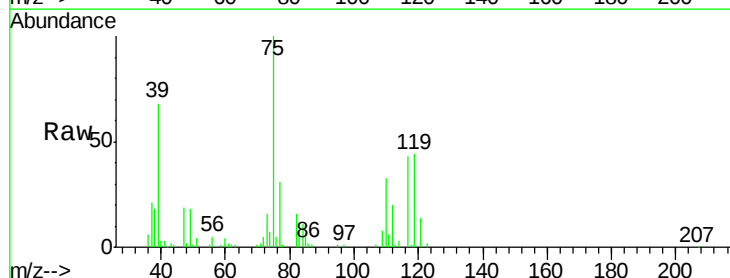
Manual Integrations  
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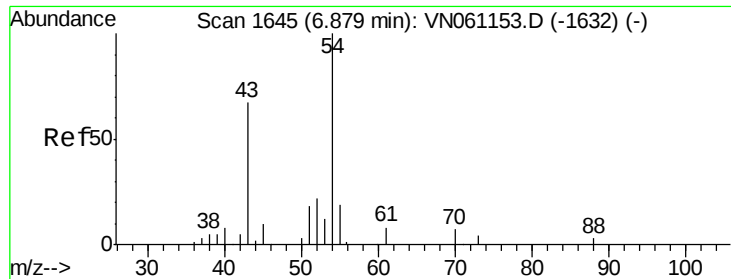
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#36  
 1,1-Dichloropropene  
 Concen: 50.787 ug/l  
 RT: 7.75 min Scan# 1916  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 32.0  | 16.0  | 48.0  |
| 77      | 30.2  | 24.6  | 37.0  |





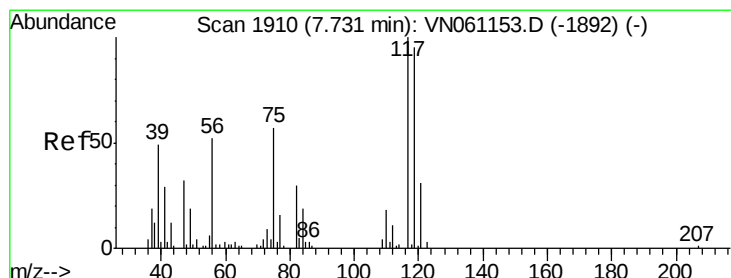
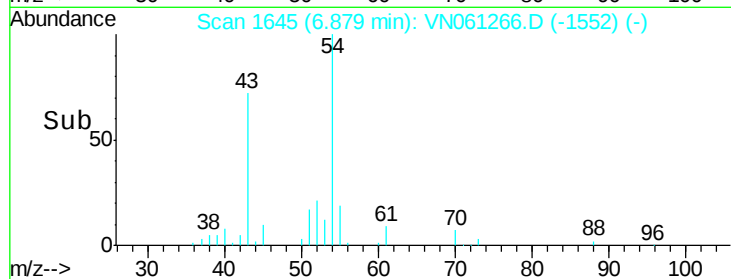
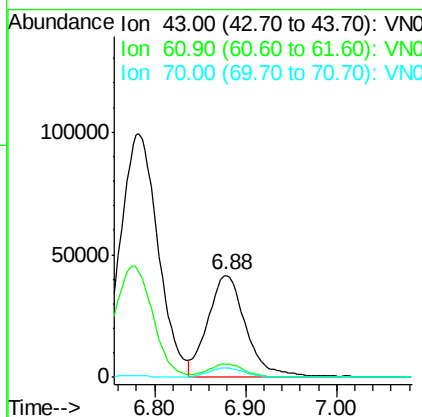
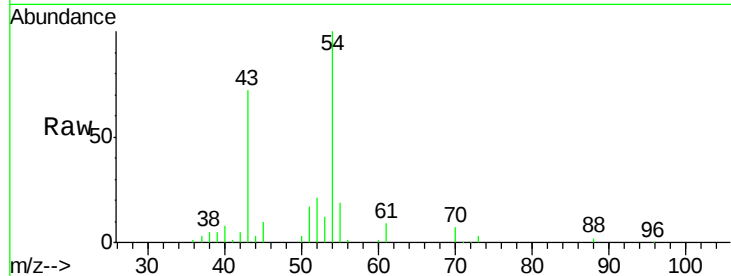
#37  
Ethyl Acetate  
Concen: 58.051 ug/l  
RT: 6.88 min Scan# 1645  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.7  | 10.2  | 15.2  |
| 70      | 8.8   | 7.2   | 10.8  |

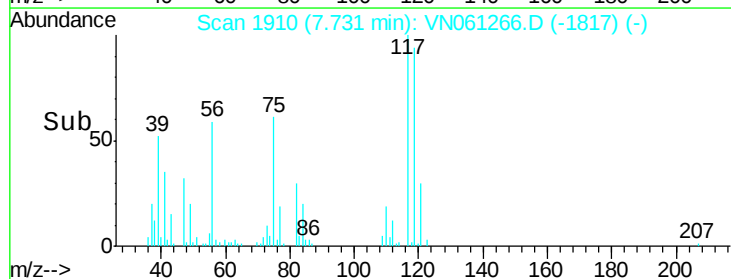
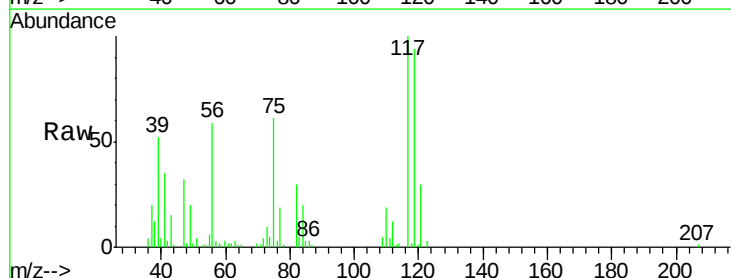
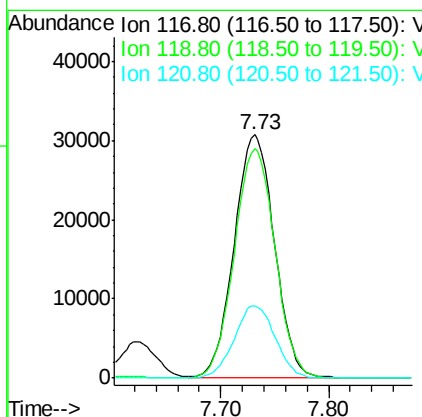
Manual Integrations  
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#38  
Carbon Tetrachloride  
Concen: 50.059 ug/l  
RT: 7.73 min Scan# 1910  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.4  | 75.8  | 113.6 |
| 121     | 29.7  | 24.7  | 37.1  |





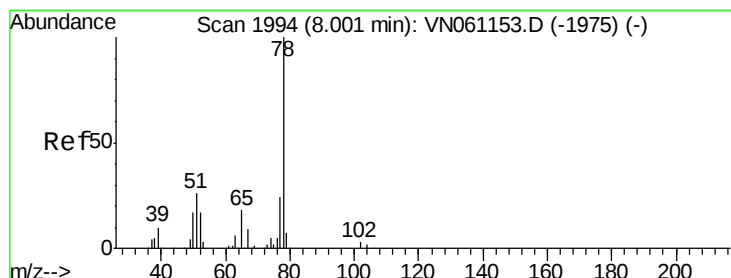
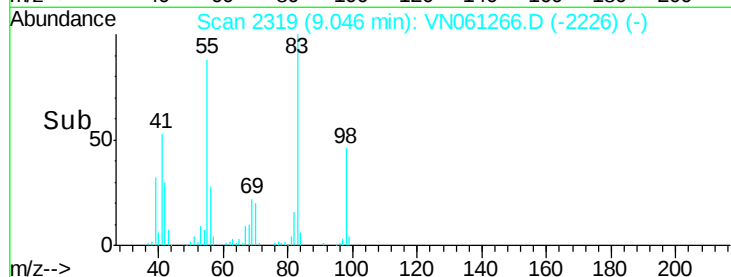
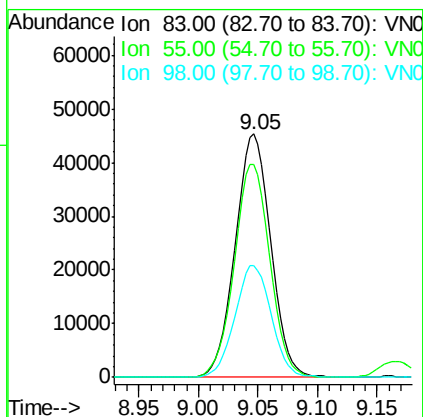
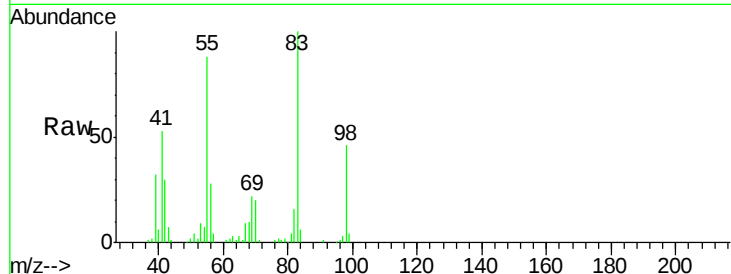
#39  
Methvlcvclohexane  
Concen: 47.813 ug/l  
RT: 9.05 min Scan# 2319  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 87.5  | 67.3  | 100.9 |
| 98      | 45.8  | 37.7  | 56.5  |

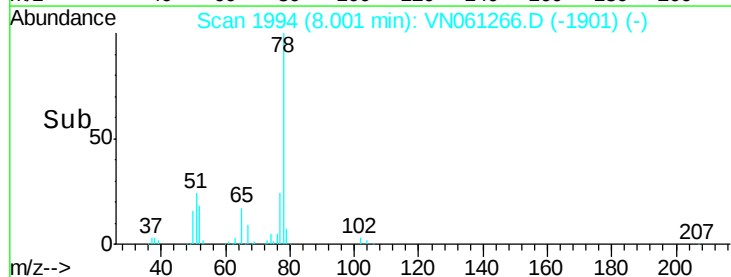
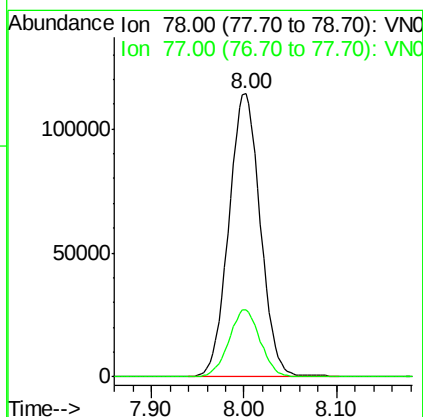
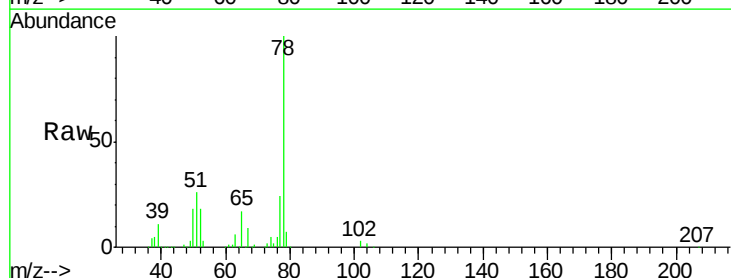
Manual Integrations  
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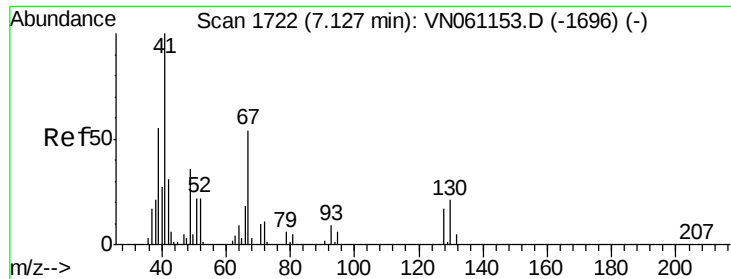
MMDadoda  
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#40  
Benzene  
Concen: 51.573 ug/l  
RT: 8.00 min Scan# 1994  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 19.0  | 28.6  |





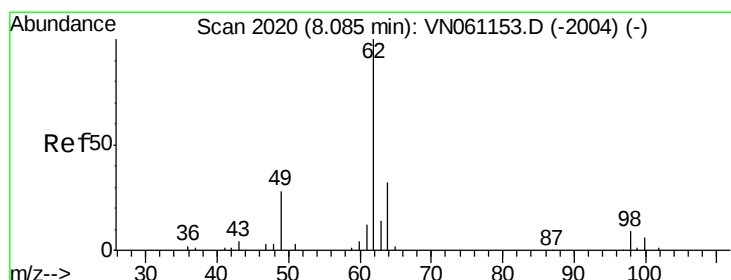
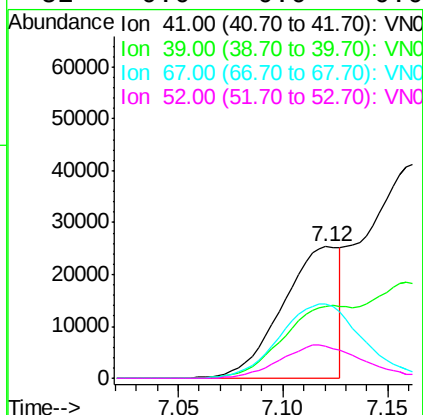
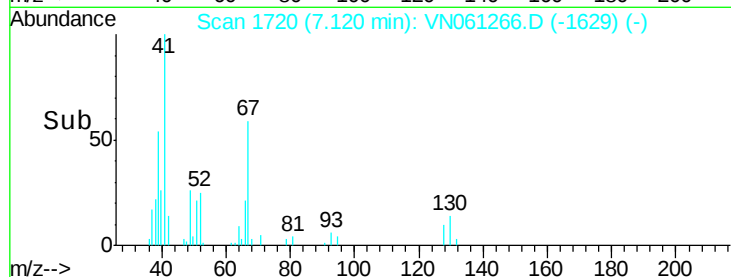
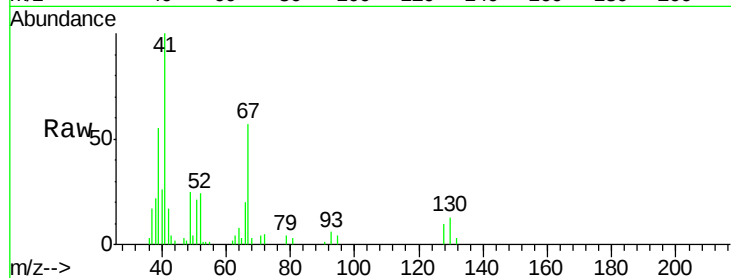
#41  
Methacrylonitrile  
Concen: 56.608 ug/l m  
RT: 7.12 min Scan# 1720  
Delta R.T. -0.01 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 41    | Resp  | 48354 |
|-----------|-------|-------|-------|
| 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   |

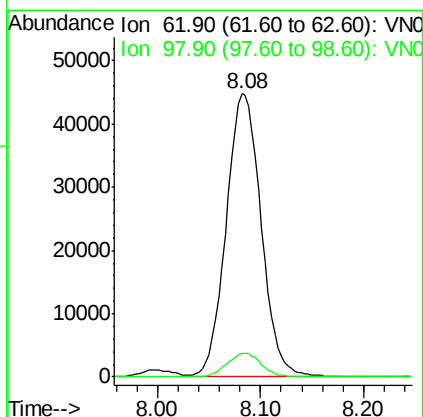
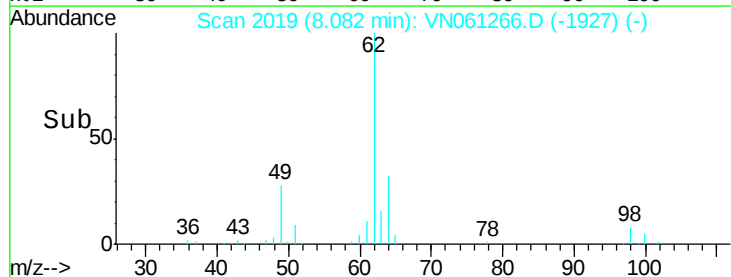
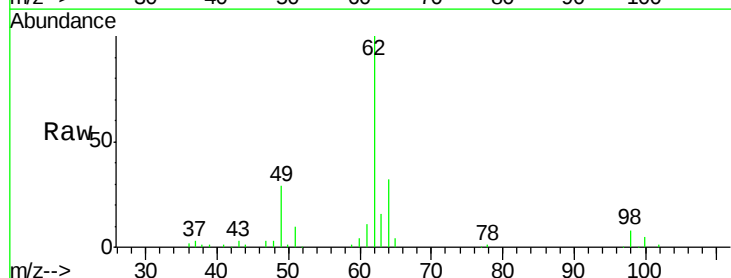
Manual Integrations  
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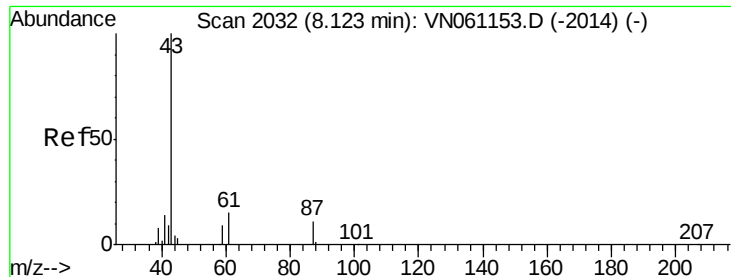
MMDadoda  
5/4/2020 2:58:15 PM



#42  
1,2-Dichloroethane  
Concen: 53.352 ug/l  
RT: 8.08 min Scan# 2019  
Delta R.T. -0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion   | 62    | Resp  | 105671 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 8.2   | 0.0   | 16.8   |





#43

Isopropyl Acetate

Concen: 55.422 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

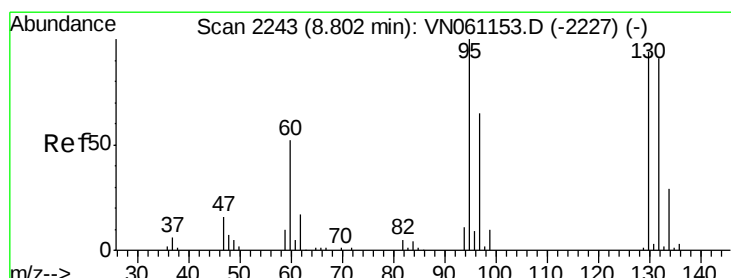
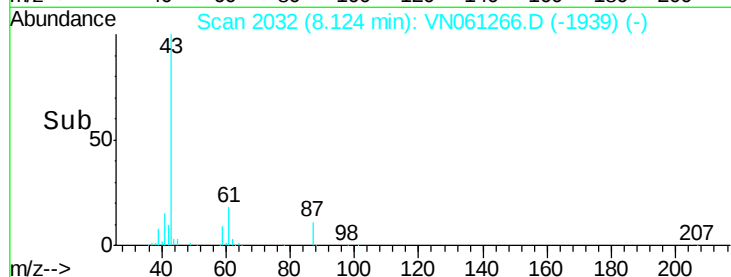
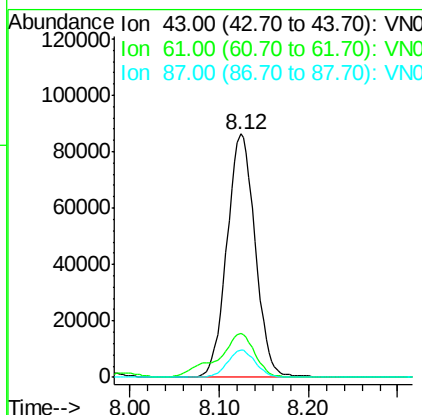
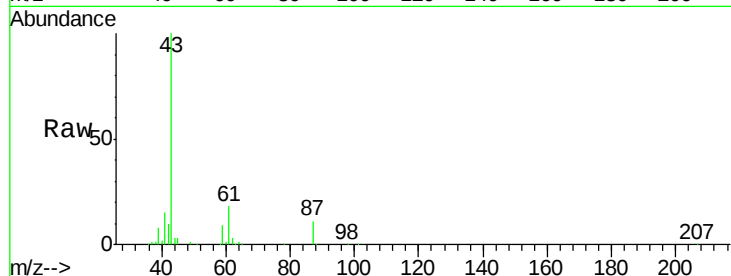
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 189230 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 23.7  | 19.5  | 29.3   |
| 87       | 10.9  | 8.9   | 13.3   |

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#44

Trichloroethene

Concen: 47.349 ug/l

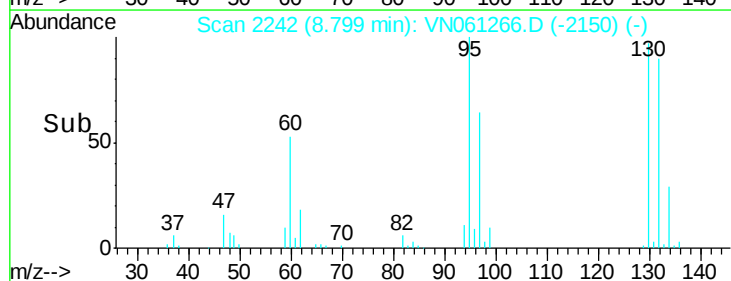
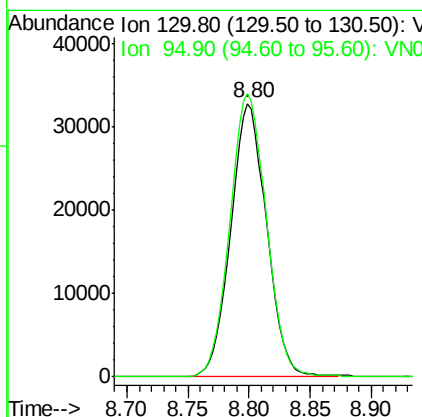
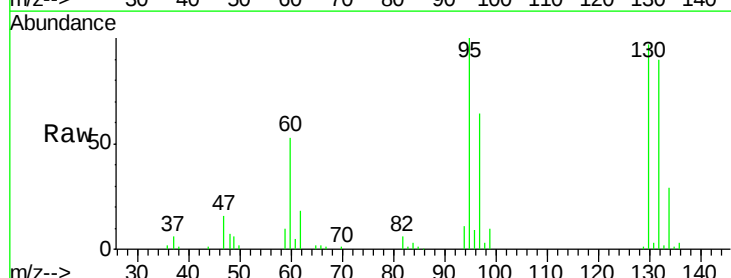
RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 66920 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 103.6 | 0.0   | 212.4 |





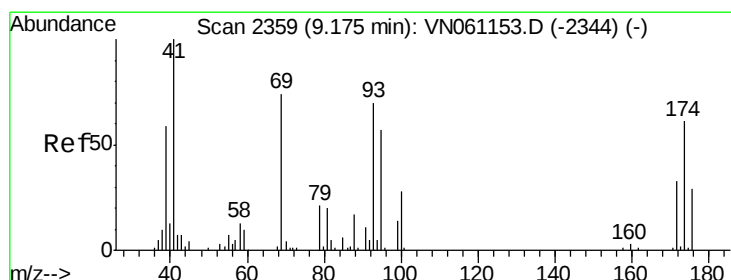
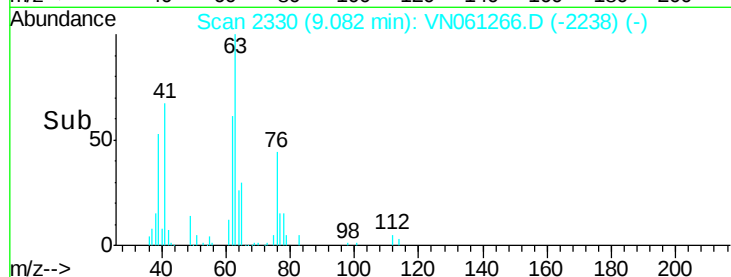
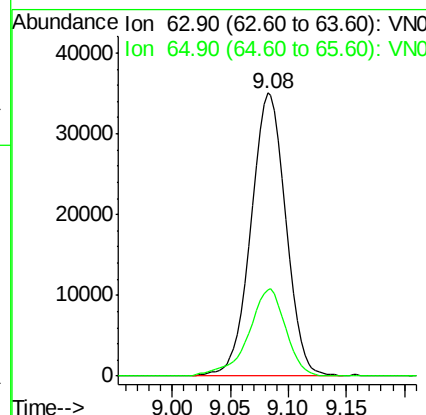
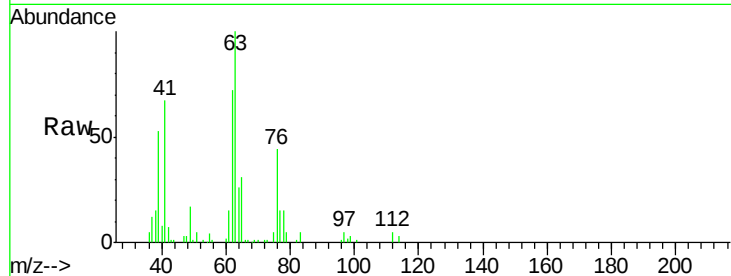
#45  
 1,2-Dichloropropane  
 Concen: 52.671 ug/l  
 RT: 9.08 min Scan# 2330  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 73569  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 24.7 37.1

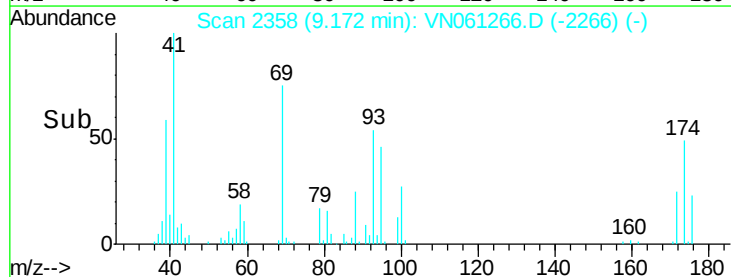
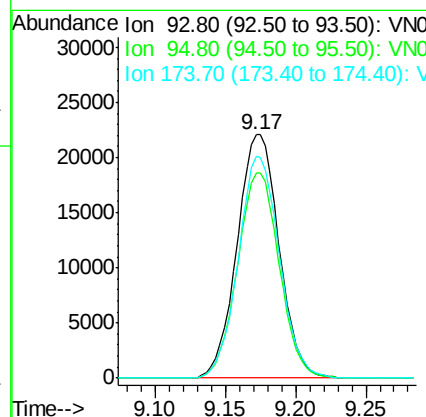
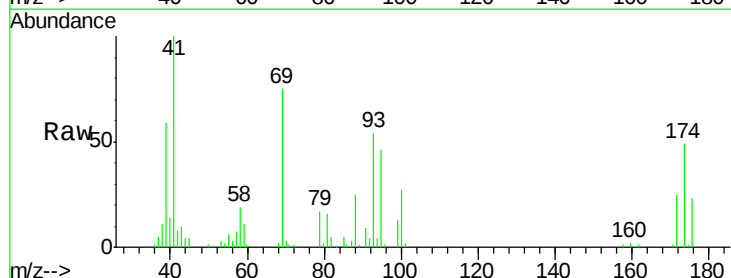
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#46  
 Dibromomethane  
 Concen: 53.032 ug/l  
 RT: 9.17 min Scan# 2358  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Tgt Ion: 93 Resp: 45864  
 Ion Ratio Lower Upper  
 93 100  
 95 84.2 66.6 99.8  
 174 89.5 70.2 105.2





#47

Bromodichloromethane

Concen: 53.379 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 99087 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 65.1  | 50.4  | 75.6  |
| 127       | 8.0   | 6.2   | 9.2   |

Instrument :

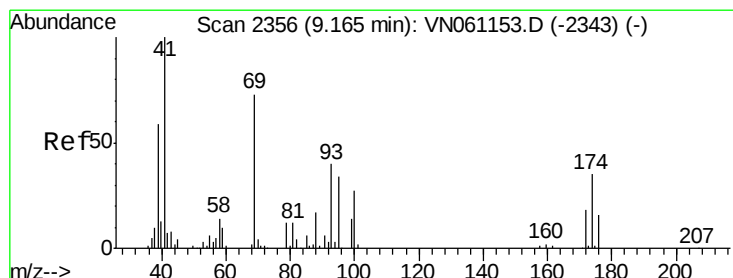
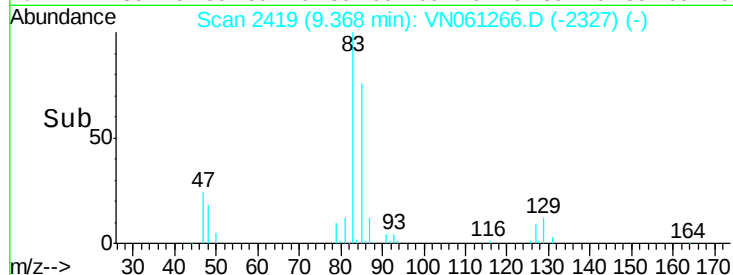
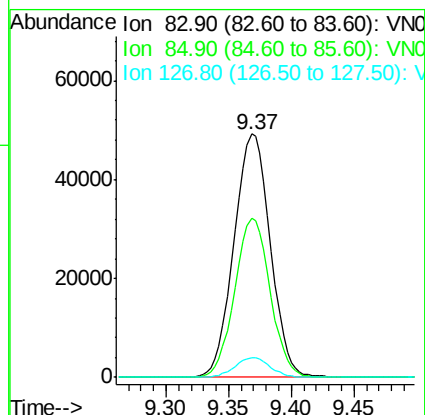
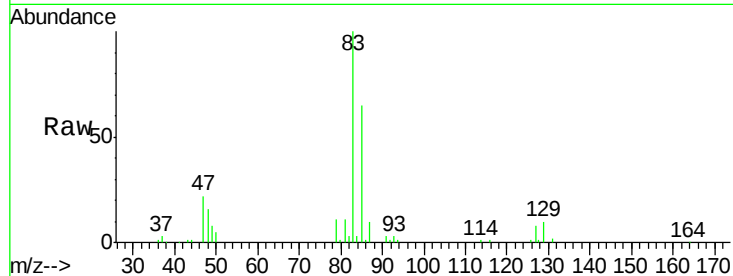
MSVOA\_N

ClientSampleId :

VSTDCCC050EC

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#48

Methyl methacrylate

Concen: 57.371 ug/l

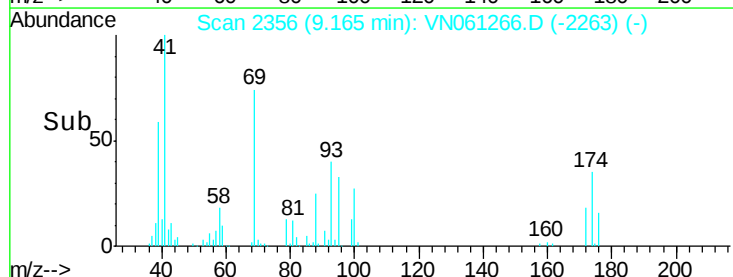
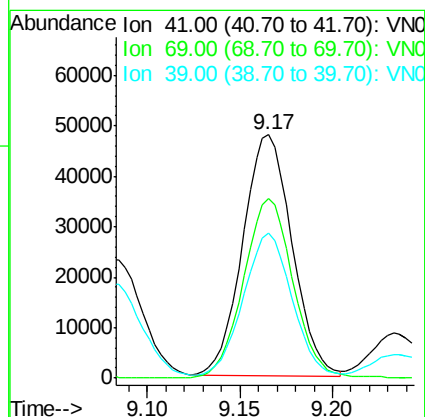
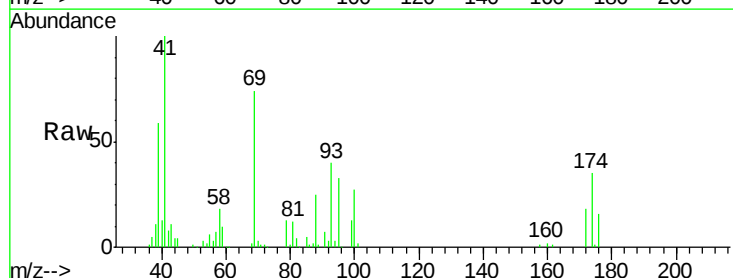
RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 88392 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 75.0  | 60.3  | 90.5  |
| 39        | 60.0  | 47.4  | 71.0  |





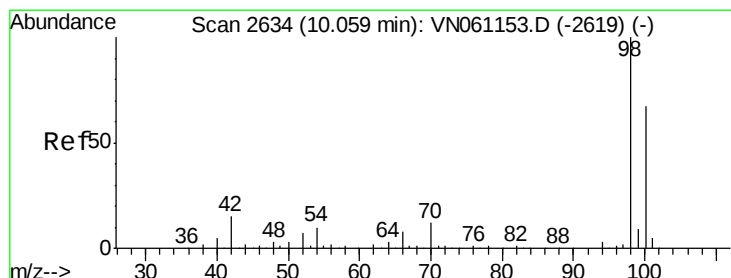
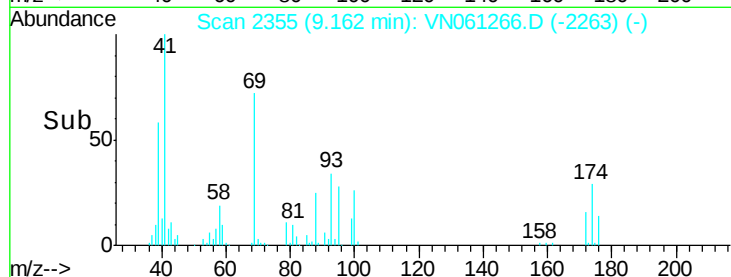
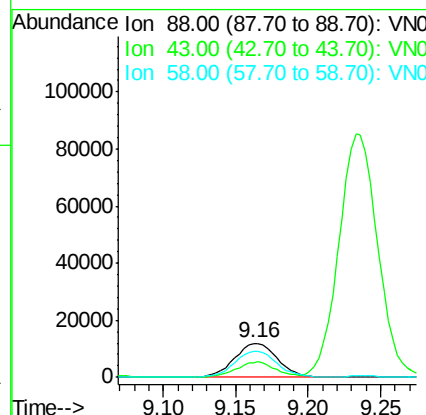
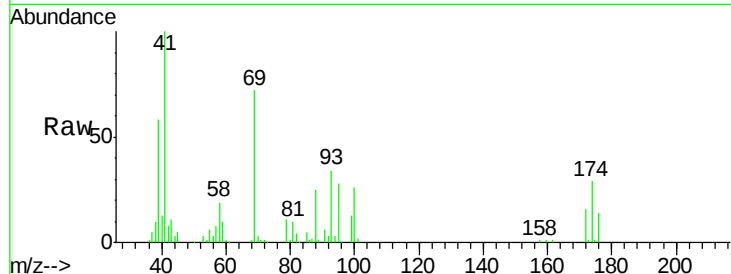
#49  
1,4-Dioxane  
Concen: 1406.538 ug/l  
RT: 9.16 min Scan# 2355  
Delta R.T. -0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 88    | Resp  | 24599 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 41.6  | 35.3  | 52.9  |
| 58        | 76.2  | 61.5  | 92.3  |

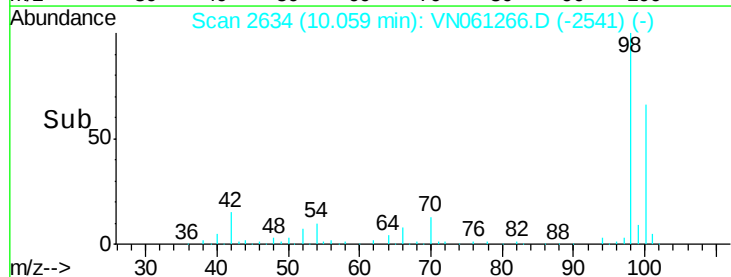
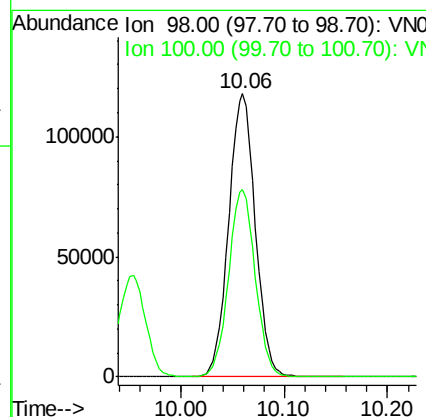
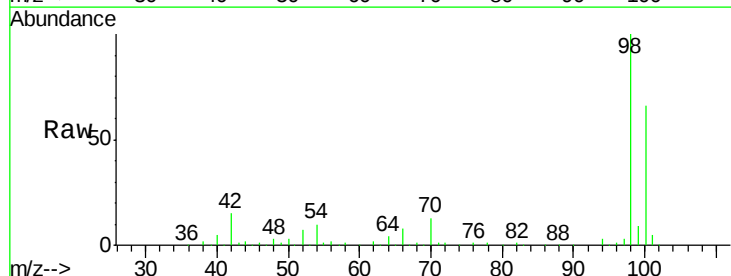
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#50  
Toluene-d8  
Concen: 50.204 ug/l  
RT: 10.06 min Scan# 2634  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion   | 98    | Resp  | 212151 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 66.3  | 53.4  | 80.0   |





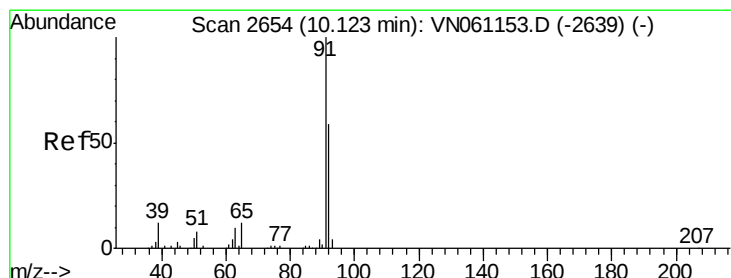
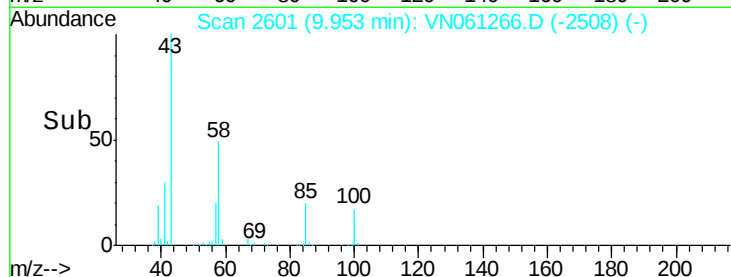
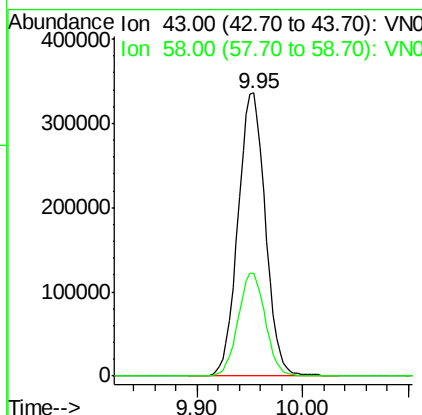
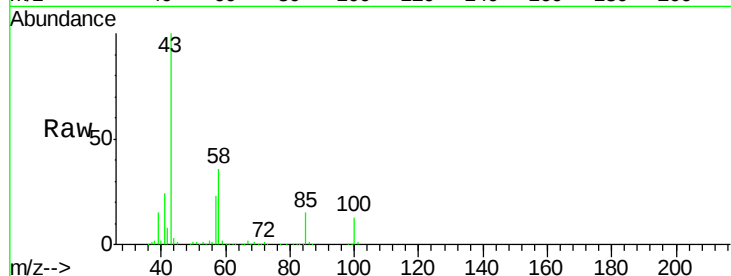
#51  
4-Methyl-2-Pentanone  
Concen: 301.607 ug/l  
RT: 9.95 min Scan# 2601  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43 | Resp | 606147 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 36.1 | 29.1   |
| Upper     |    |      | 43.7   |

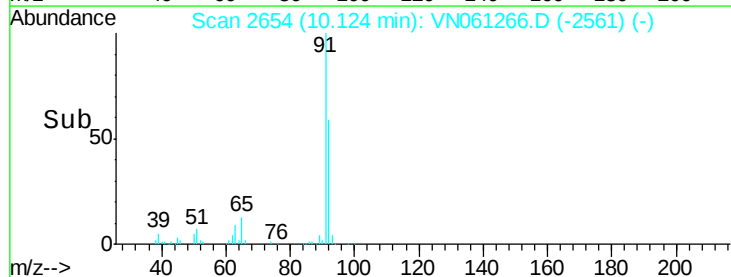
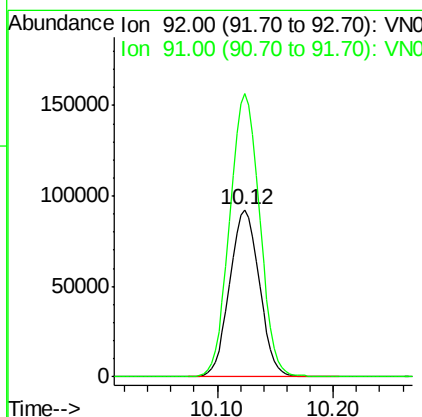
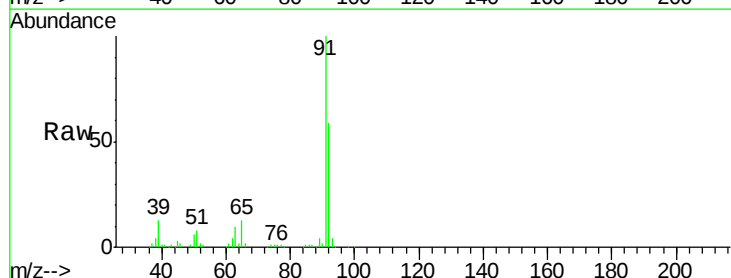
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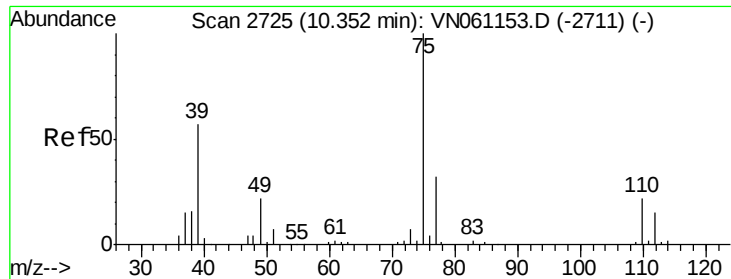
MMDadoda  
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#52  
Toluene  
Concen: 52.014 ug/l  
RT: 10.12 min Scan# 2654  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion   | 92 | Resp  | 163799 |
|-----------|----|-------|--------|
| Ion Ratio | 92 | 100   |        |
| Lower     | 91 | 171.0 | 136.2  |
| Upper     |    |       | 204.2  |





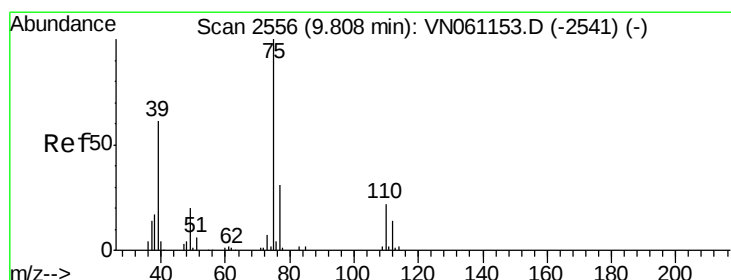
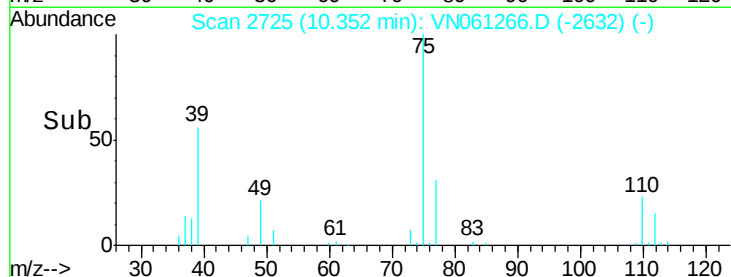
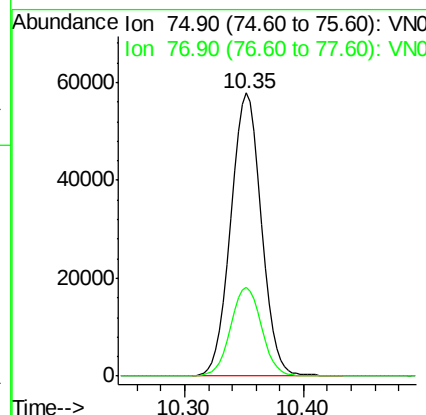
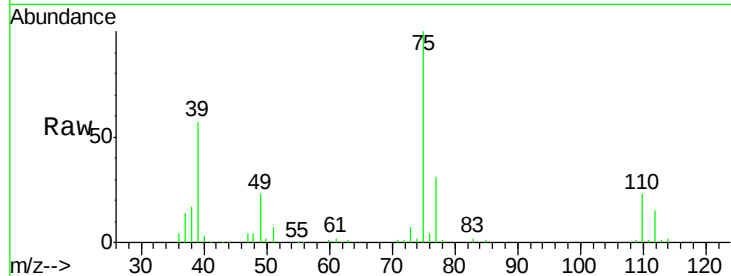
#53  
t-1,3-Dichloropropene  
Concen: 49.323 ug/l  
RT: 10.35 min Scan# 2725  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.3  | 25.5  | 38.3  |

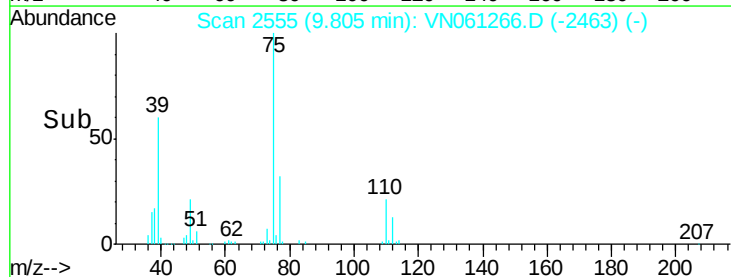
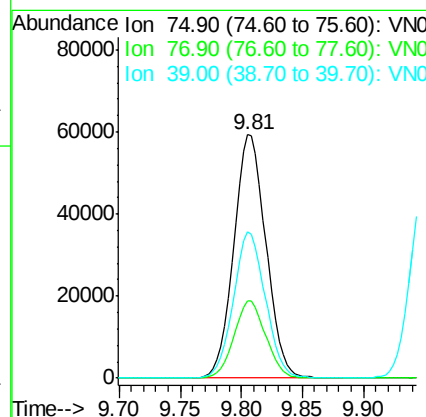
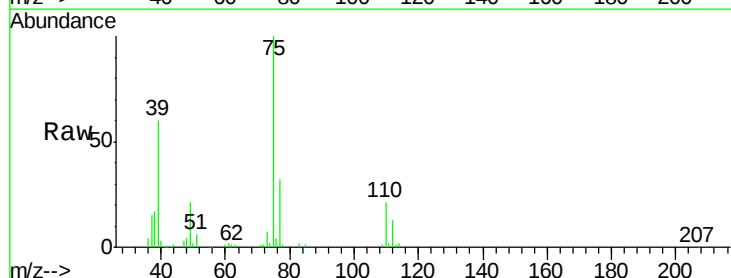
Manual Integrations  
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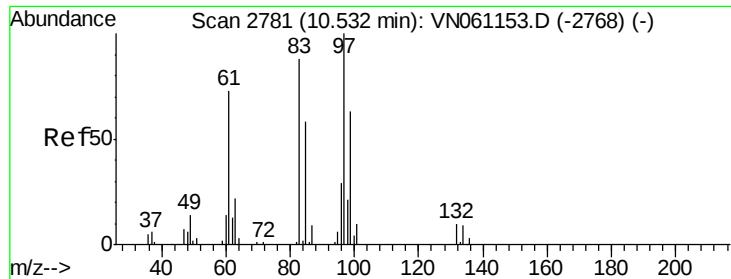
MMDadoda  
5/4/2020 2:58:15 PM



#54  
cis-1,3-Dichloropropene  
Concen: 49.275 ug/l  
RT: 9.81 min Scan# 2555  
Delta R.T. -0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.9  | 25.0  | 37.4  |
| 39      | 60.0  | 48.7  | 73.1  |





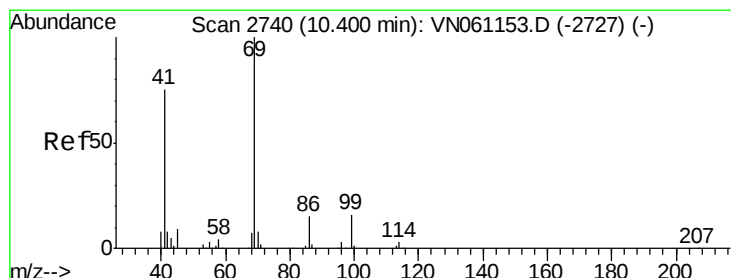
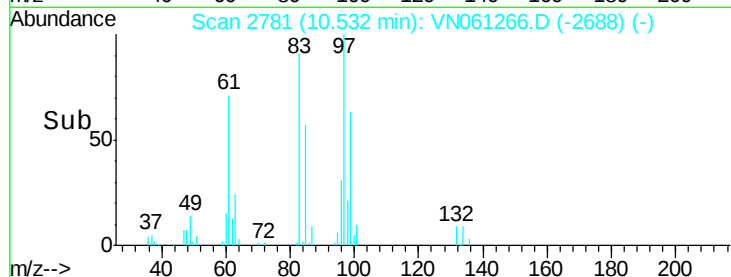
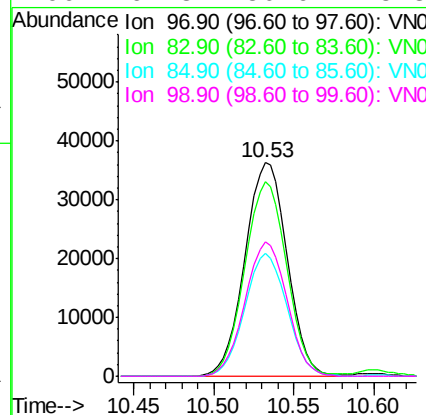
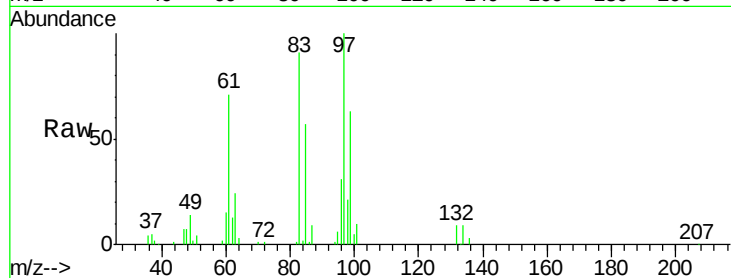
#55  
 1,1,2-Trichloroethane  
 Concen: 52.194 ug/l  
 RT: 10.53 min Scan# 2781  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 65560 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.9  | 70.6  | 106.0 |
| 85       | 57.3  | 46.4  | 69.6  |
| 99       | 62.8  | 50.6  | 75.8  |

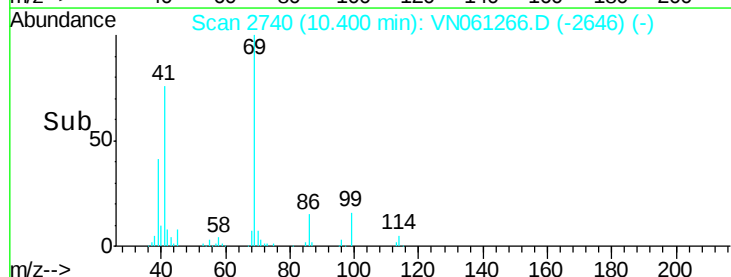
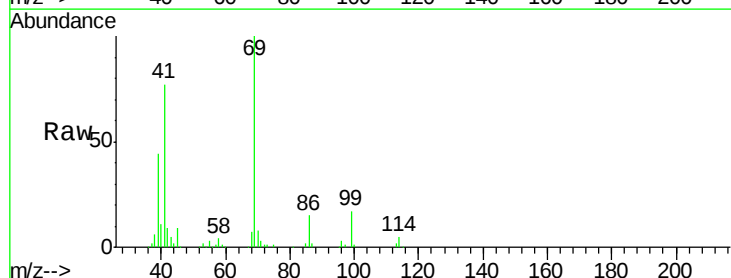
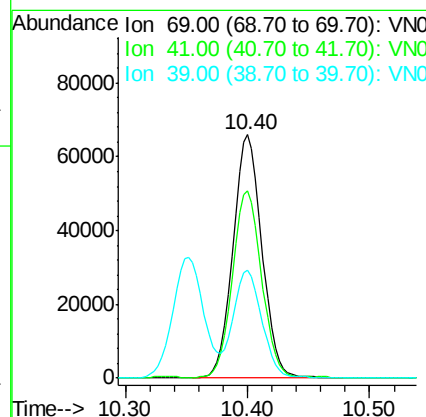
Manual Integrations  
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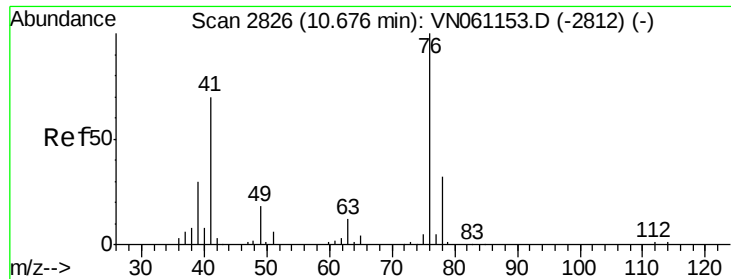
MMDadoda  
 5/4/2020 2:58:15 PM



#56  
 Ethyl methacrylate  
 Concen: 49.871 ug/l  
 RT: 10.40 min Scan# 2740  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 109144 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 77.1  | 60.3  | 90.5   |
| 39       | 43.2  | 35.9  | 53.9   |





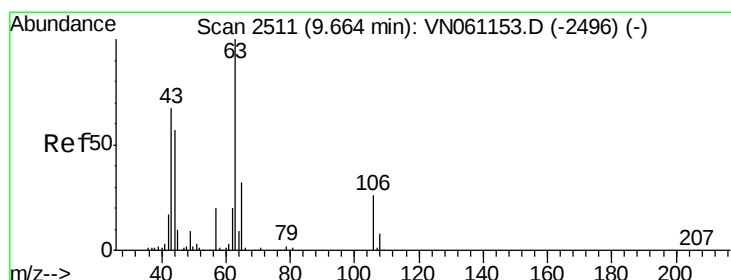
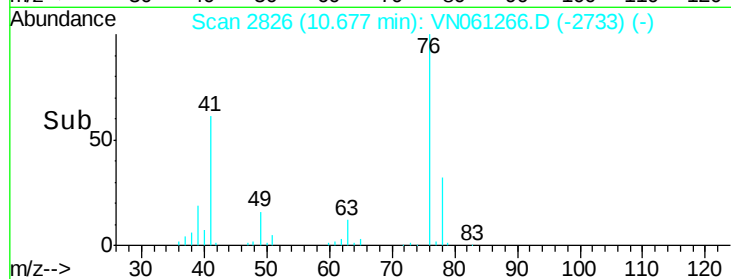
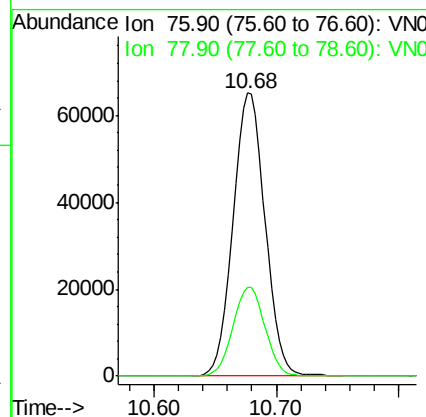
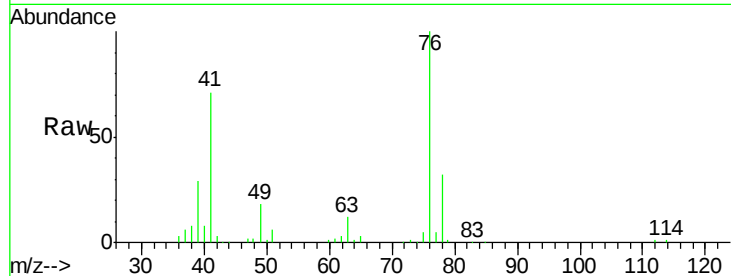
#57  
 1,3-Dichloropropane  
 Concen: 53.861 ug/l  
 RT: 10.68 min Scan# 2826  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 76 Resp: 118919  
 Ion Ratio Lower Upper  
 76 100  
 78 31.6 25.5 38.3

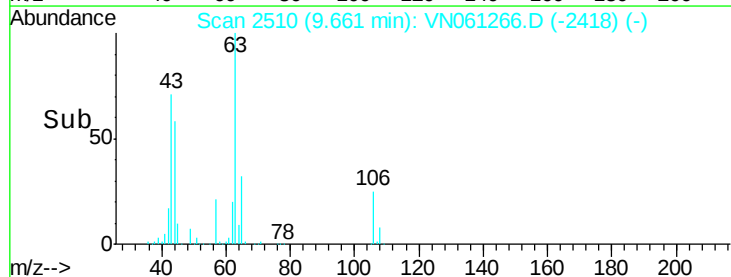
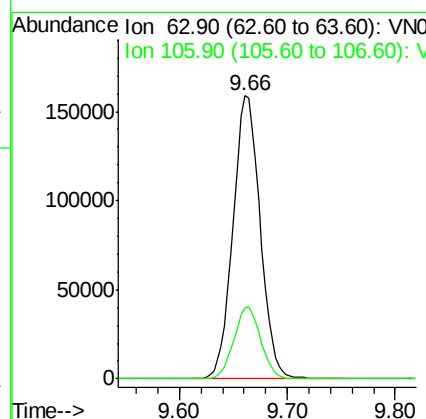
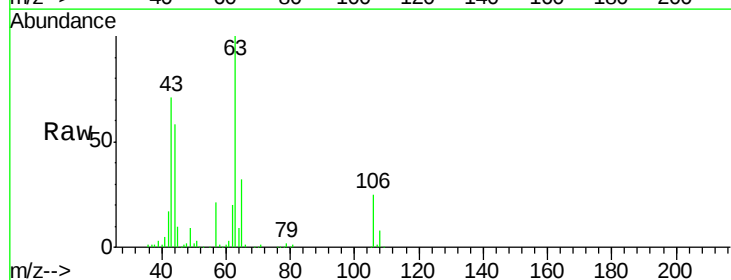
Manual Integrations  
 APPROVED

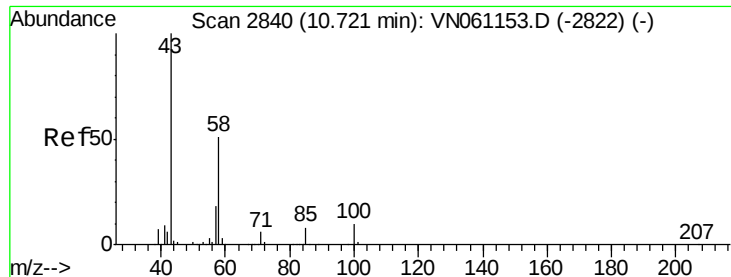
MMDadoda  
 5/4/2020 2:58:15 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 274.992 ug/l  
 RT: 9.66 min Scan# 2510  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Tgt Ion: 63 Resp: 279594  
 Ion Ratio Lower Upper  
 63 100  
 106 25.0 20.6 30.8





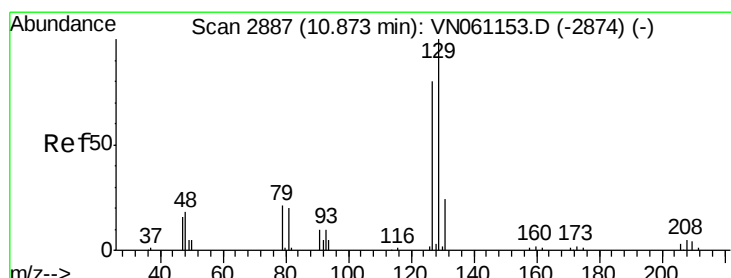
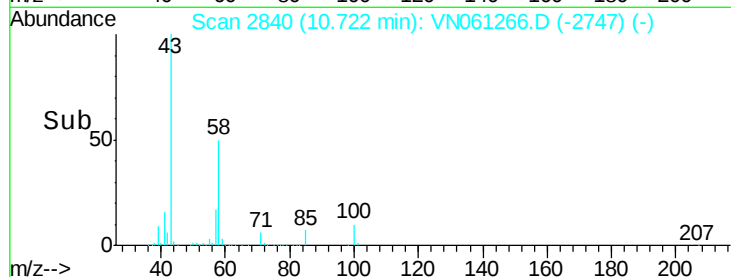
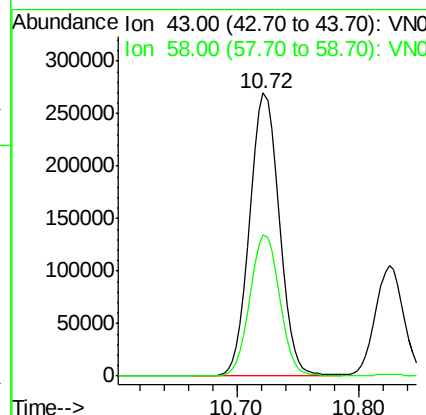
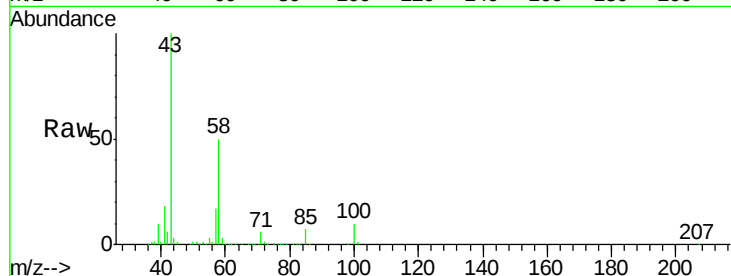
#59  
2-Hexanone  
Concen: 309.398 ug/l  
RT: 10.72 min Scan# 2840  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 452374  
Ion Ratio Lower Upper  
43 100  
58 50.1 25.4 76.4

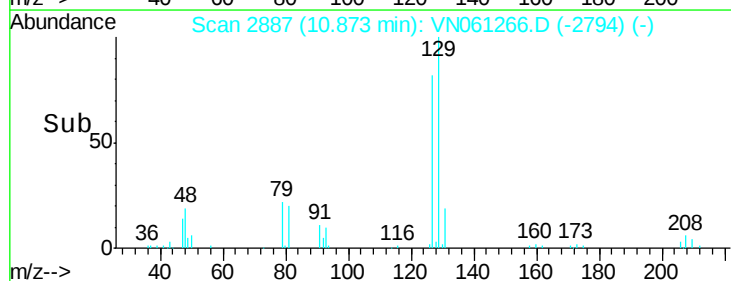
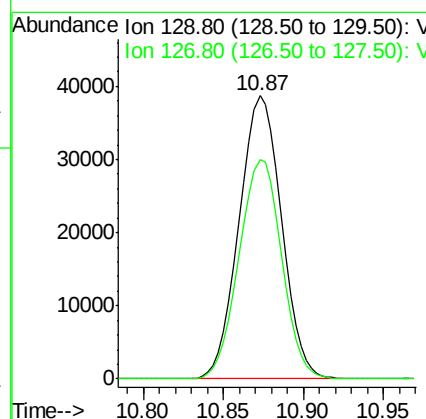
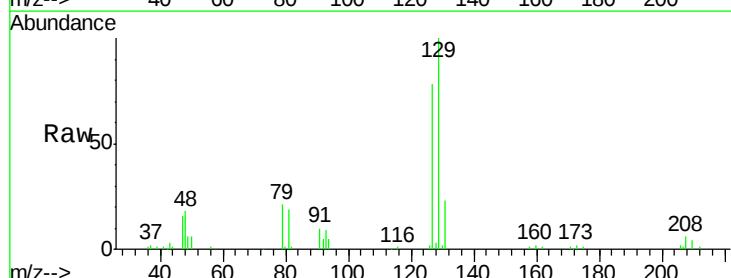
Manual Integrations  
APPROVED

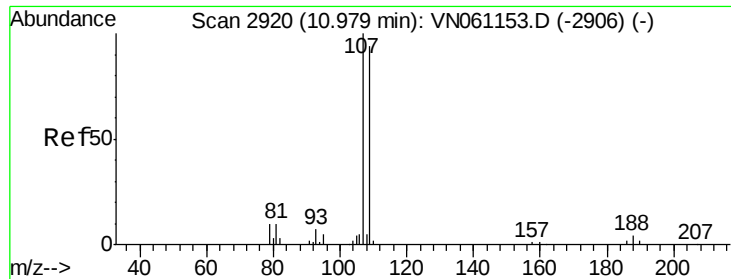
MMDadoda  
5/4/2020 2:58:15 PM



#60  
Dibromochloromethane  
Concen: 53.305 ug/l  
RT: 10.87 min Scan# 2887  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Tgt Ion: 129 Resp: 70126  
Ion Ratio Lower Upper  
129 100  
127 77.6 39.3 117.8





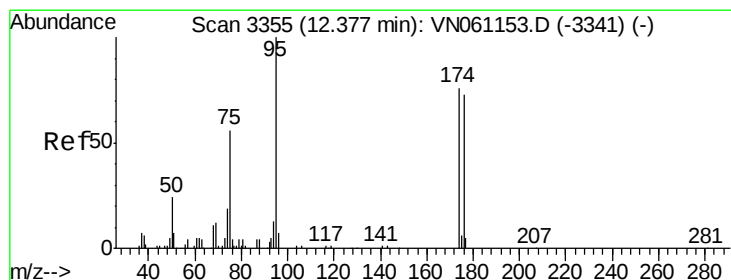
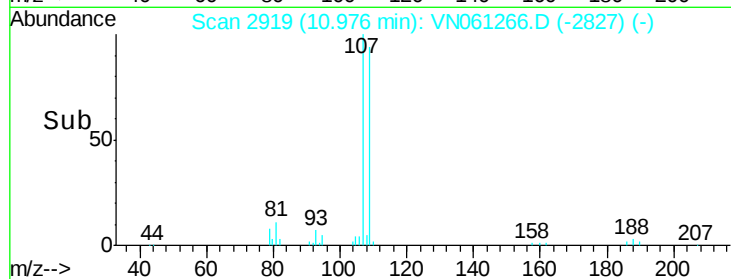
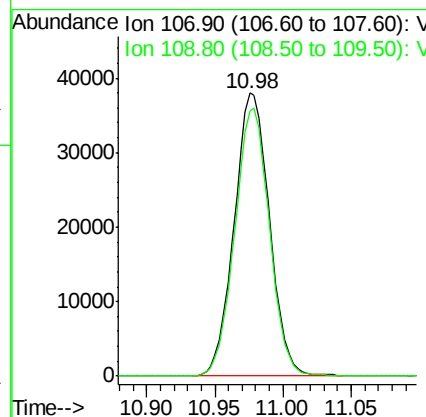
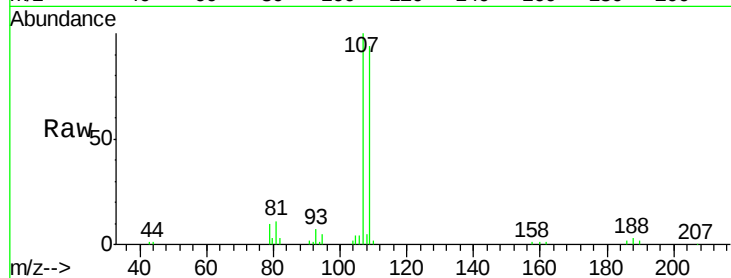
#61  
 1,2-Dibromoethane  
 Concen: 53.999 ug/l  
 RT: 10.98 min Scan# 2919  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.4  | 74.8  | 112.2 |

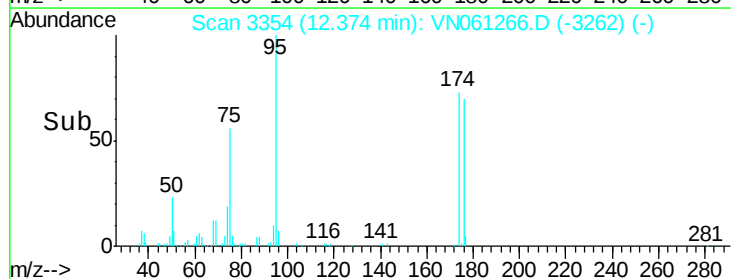
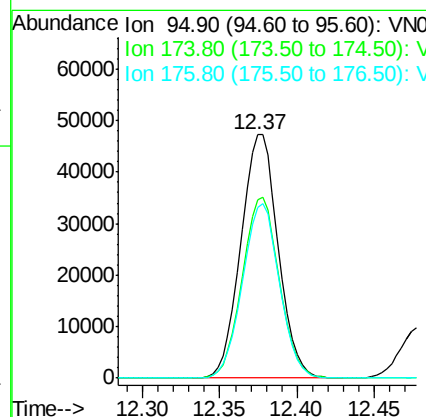
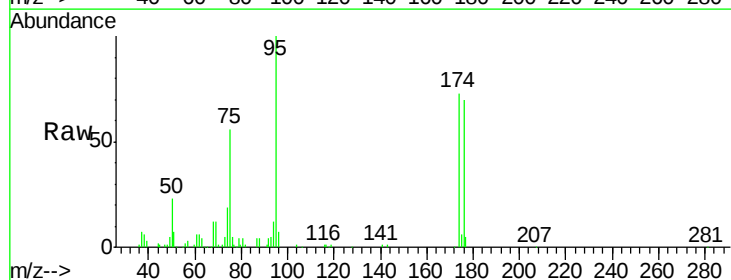
Manual Integrations  
 APPROVED

MMDadoda  
 5/4/2020 2:58:15 PM



#62  
 4-Bromofluorobenzene  
 Concen: 49.797 ug/l  
 RT: 12.37 min Scan# 3354  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 73.6  | 0.0   | 149.4 |
| 176     | 71.1  | 0.0   | 144.8 |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

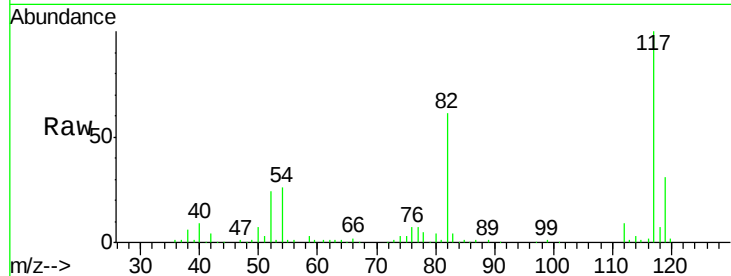
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 170423 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 61.5  | 47.8  | 71.8   |
| 119       | 31.0  | 25.8  | 38.6   |

Manual Integrations  
APPROVED

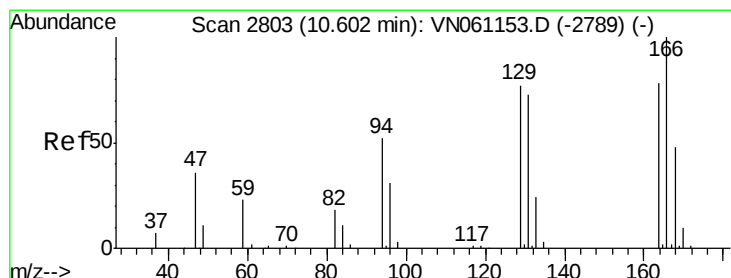
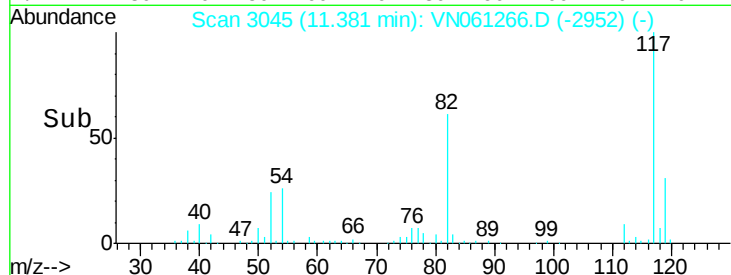
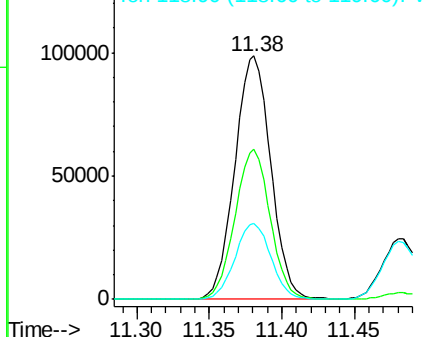
MMDadoda  
5/4/2020 2:58:15 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.348 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

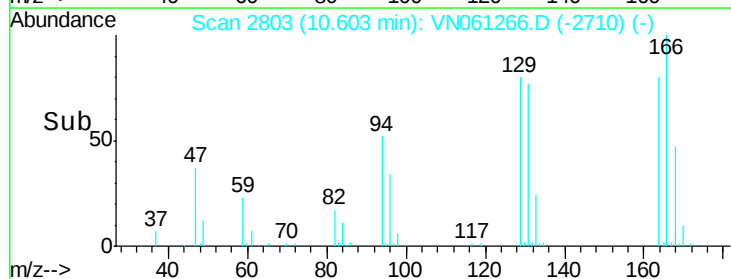
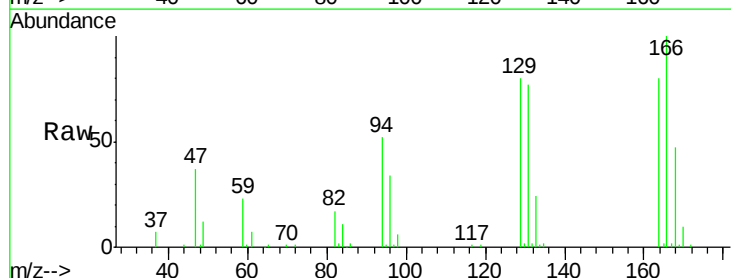
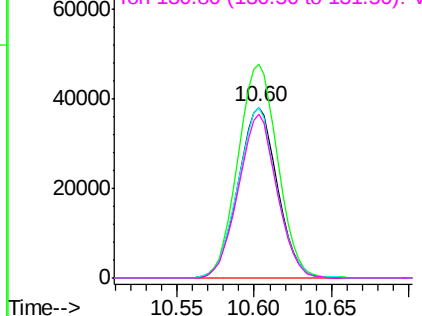
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 66936 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 166       | 125.1 | 102.0 | 153.0 |
| 129       | 99.9  | 78.2  | 117.2 |
| 131       | 95.8  | 74.5  | 111.7 |

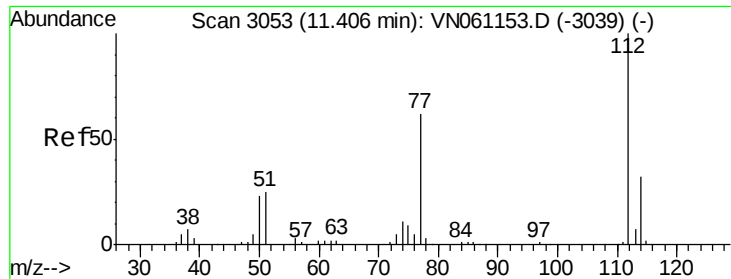
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





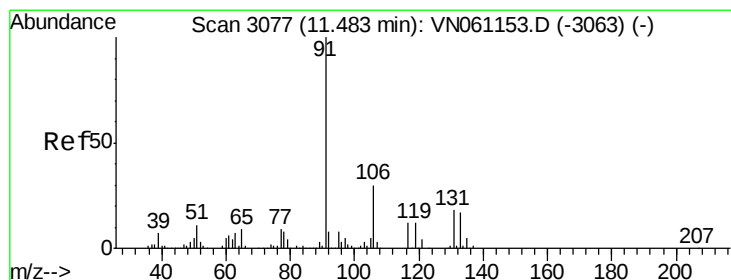
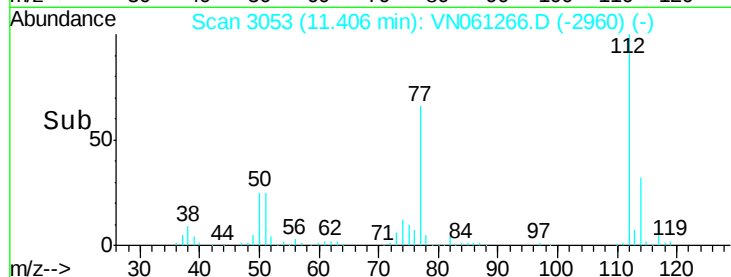
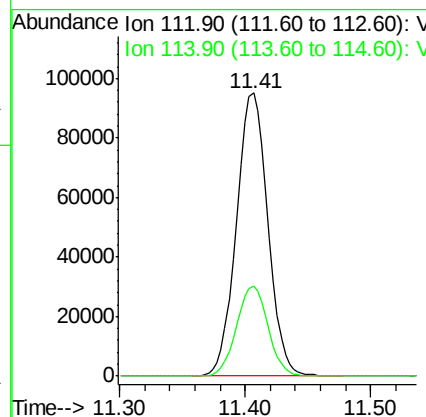
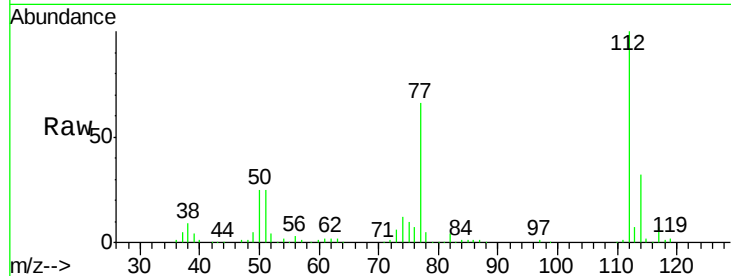
#65  
Chlorobenzene  
Concen: 48.942 ug/l  
RT: 11.41 min Scan# 3053  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 165455  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.4 38.2

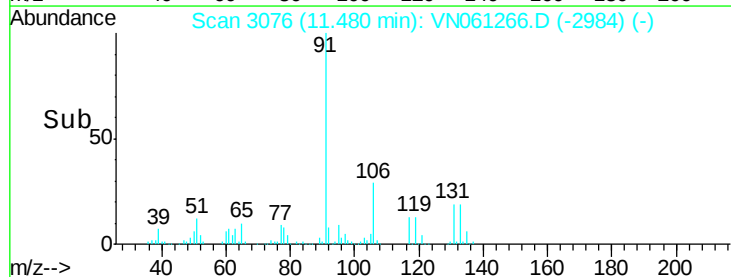
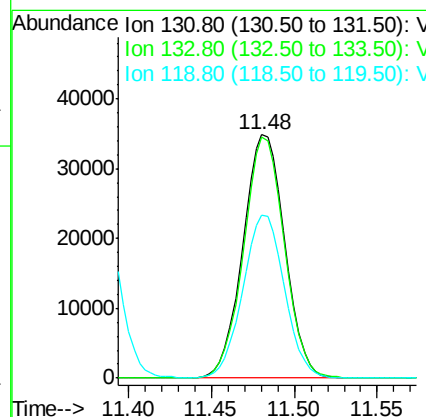
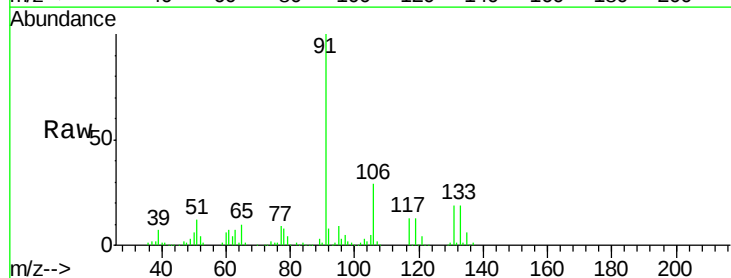
Manual Integrations  
APPROVED

MMDadoda  
5/4/2020 2:58:15 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.647 ug/l  
RT: 11.48 min Scan# 3076  
Delta R.T. -0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Tgt Ion:131 Resp: 61281  
Ion Ratio Lower Upper  
131 100  
133 96.6 48.0 144.2  
119 66.6 32.6 97.8





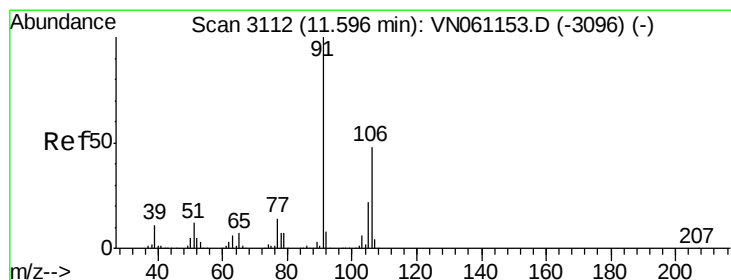
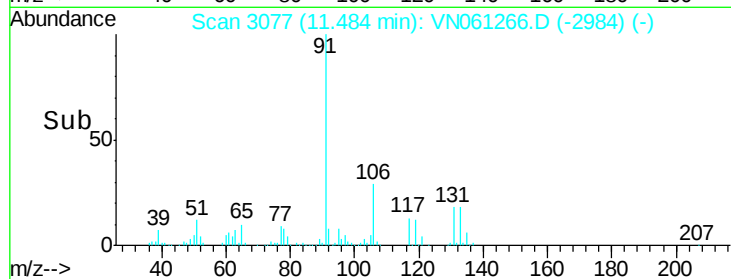
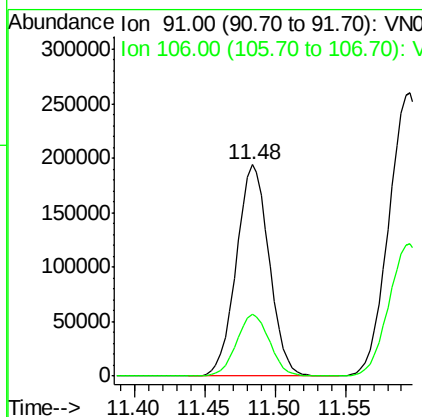
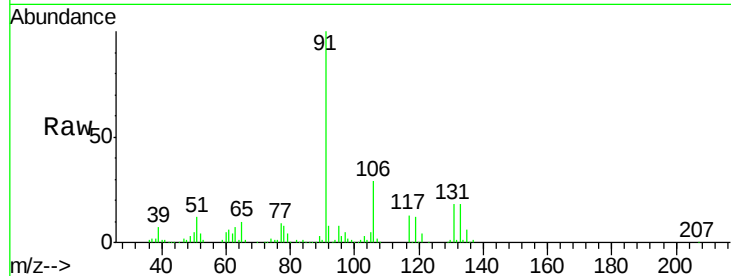
#67  
Ethyl Benzene  
Concen: 50.046 ug/l  
RT: 11.48 min Scan# 3077  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       | 316715 |       |       |
| 106     | 29.2 | 23.8  | 35.6   |       |       |

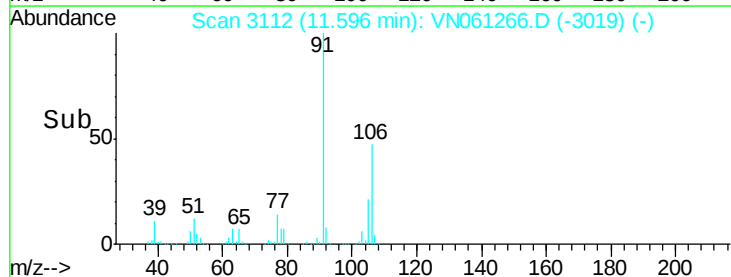
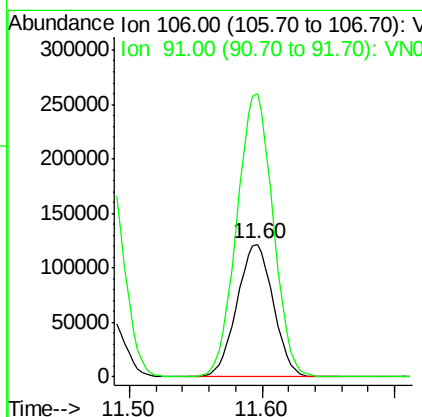
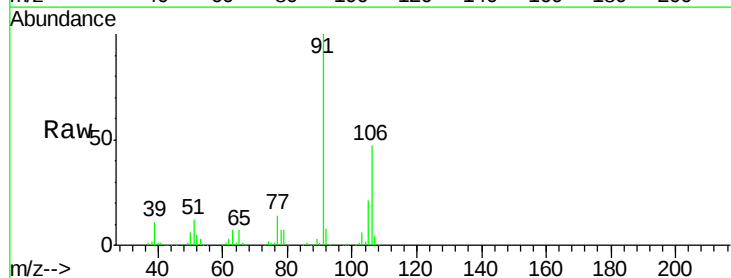
Manual Integrations  
APPROVED

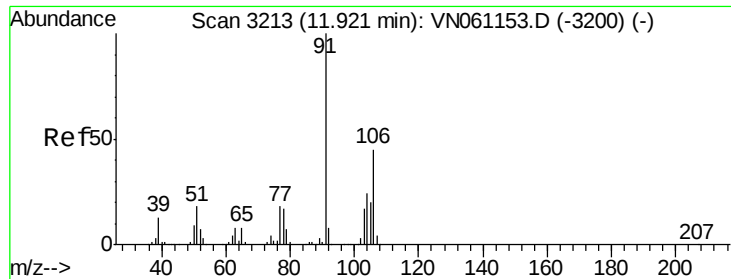
MMDadoda  
5/4/2020 2:58:15 PM



#68  
m/p-Xylenes  
Concen: 99.933 ug/l  
RT: 11.60 min Scan# 3112  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 231487 |       |       |
| 91      | 212.5 | 166.4 | 249.6  |       |       |





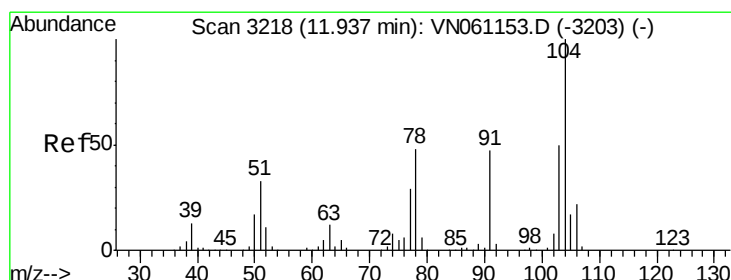
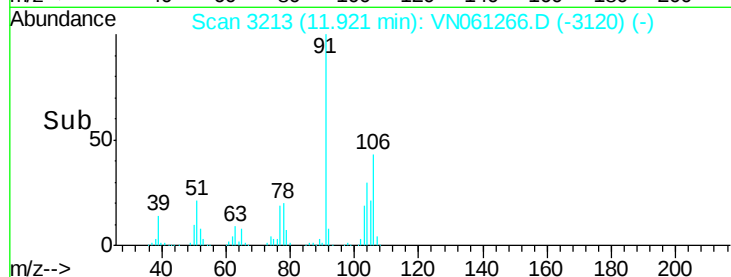
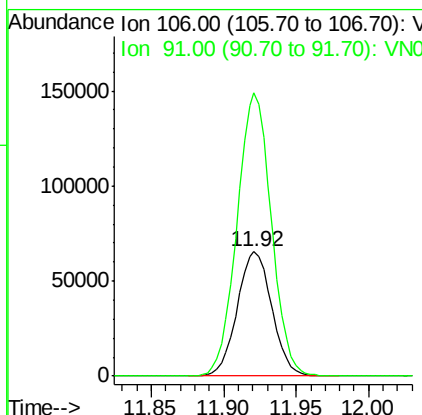
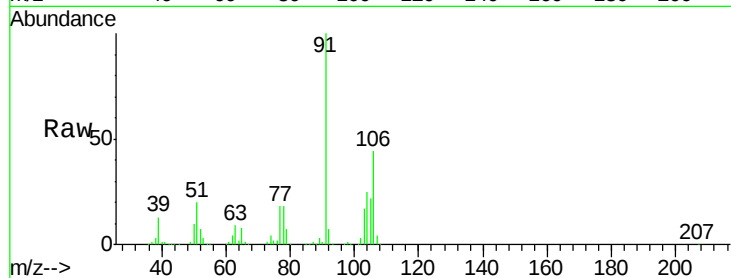
#69  
o-Xylene  
Concen: 48.841 ug/l  
RT: 11.92 min Scan# 3213  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 108675  
Ion Ratio Lower Upper  
106 100  
91 225.0 109.7 329.0

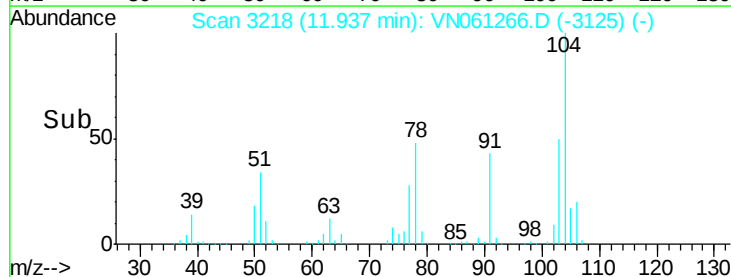
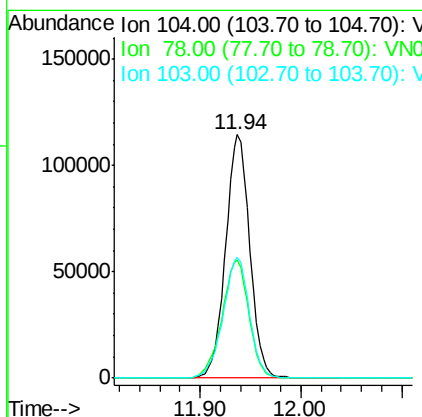
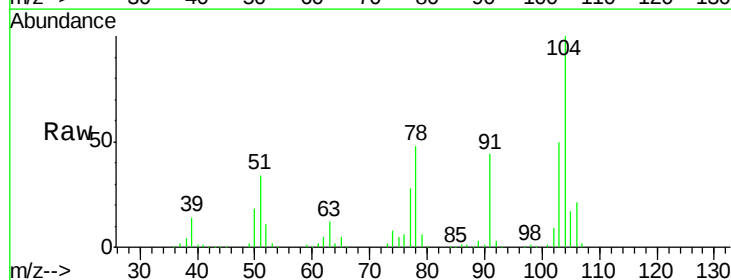
Manual Integrations  
APPROVED

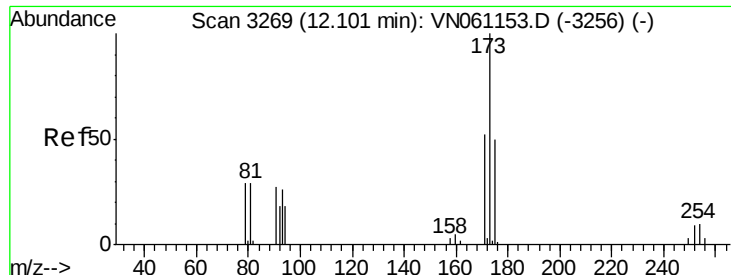
MMDadoda  
5/4/2020 2:58:15 PM



#70  
Styrene  
Concen: 51.585 ug/l  
RT: 11.94 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Tgt Ion:104 Resp: 192108  
Ion Ratio Lower Upper  
104 100  
78 53.5 42.1 63.1  
103 53.9 43.3 64.9





#71

Bromoform

Concen: 54.629 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 48579

Ion Ratio Lower Upper

173 100

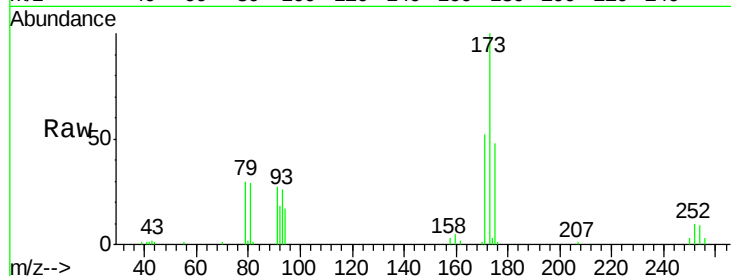
175 47.9 24.1 72.4

254 0.0 0.0 0.0

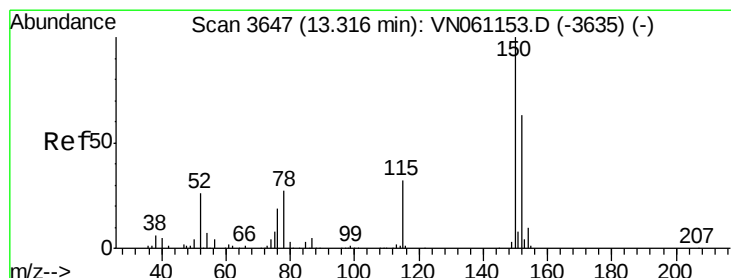
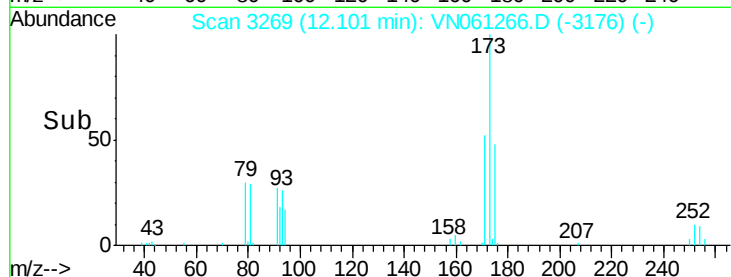
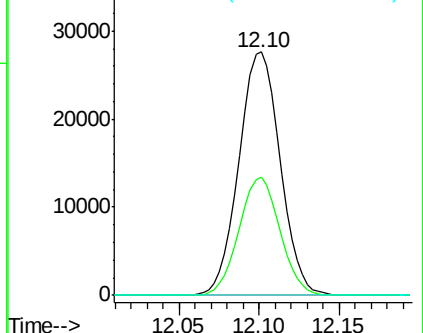
Manual Integrations  
APPROVED

MMDadoda

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

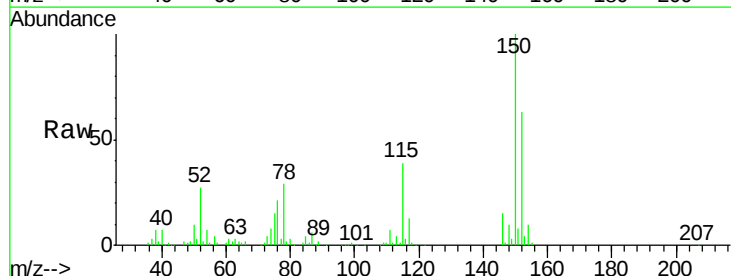
Tgt Ion:152 Resp: 83852

Ion Ratio Lower Upper

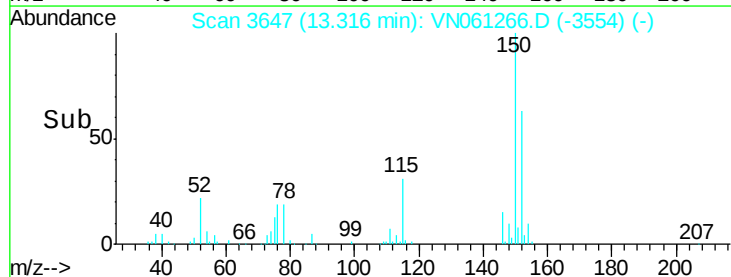
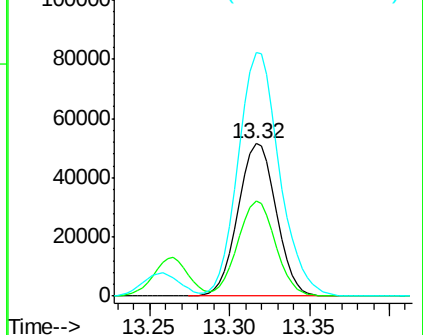
152 100

115 61.6 31.0 93.0

150 173.3 0.0 351.8



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





#73

Isopropylbenzene

Concen: 48.805 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 300849

Ion Ratio Lower Upper

105 100

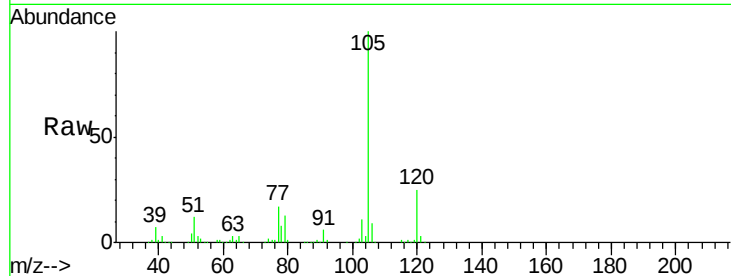
120 25.3 12.6 37.8

Manual Integrations

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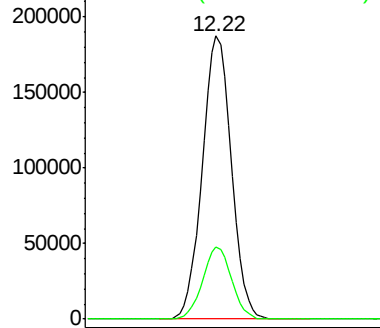
MMDadoda

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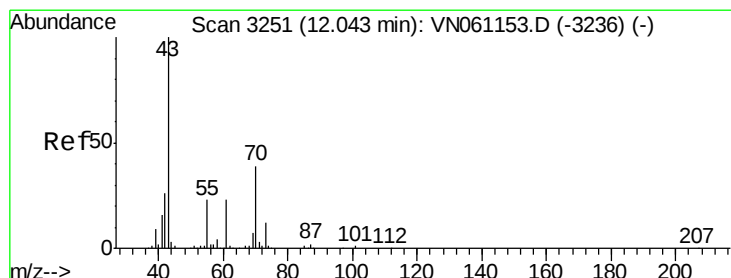
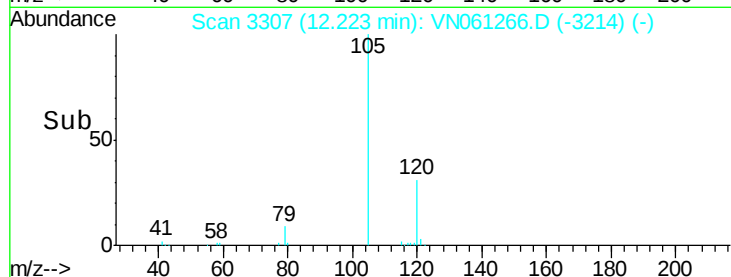


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 53.376 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Tgt Ion: 43 Resp: 166613

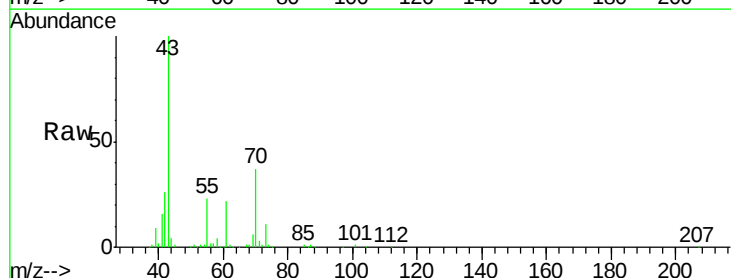
Ion Ratio Lower Upper

43 100

70 37.1 30.6 46.0

55 23.7 18.5 27.7

61 21.5 17.9 26.9

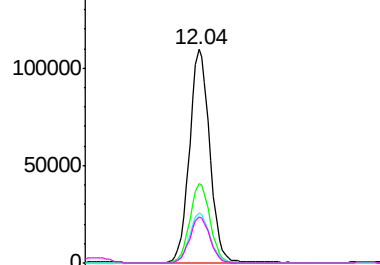


Abundance Ion 43.00 (42.70 to 43.70): V

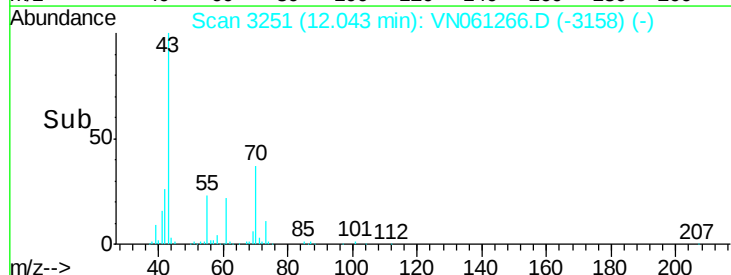
Ion 70.00 (69.70 to 70.70): V

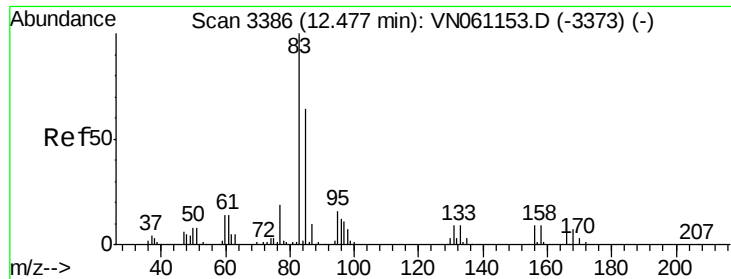
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.530 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

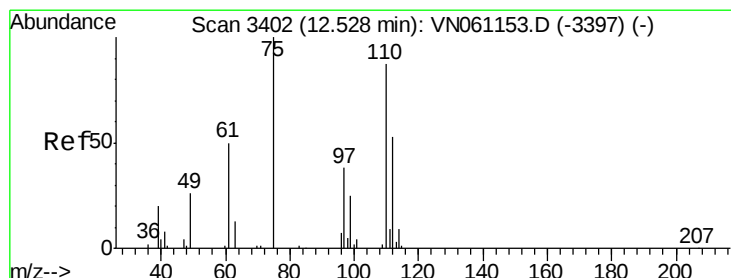
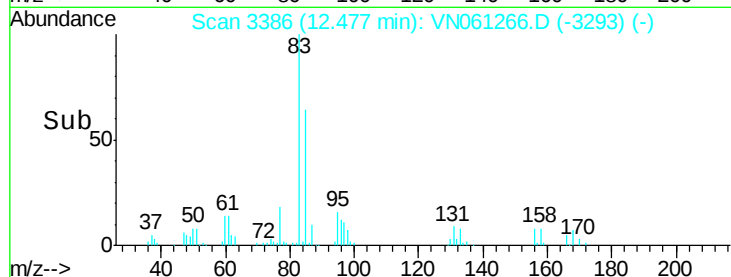
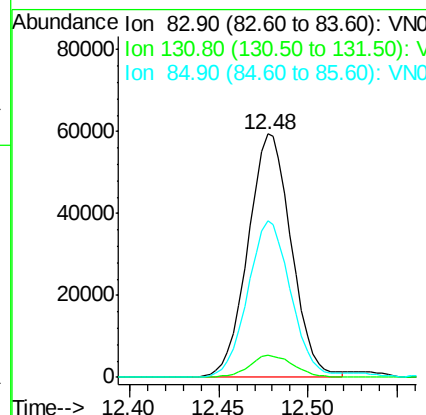
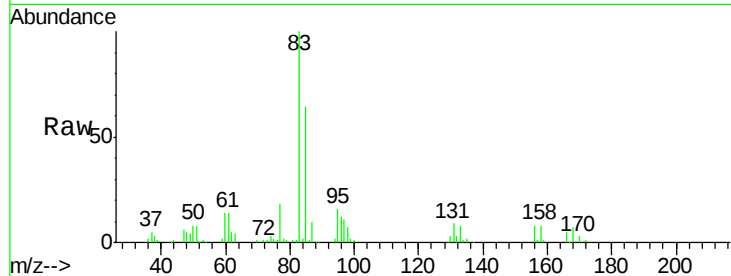
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 100969 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.3   | 4.8   | 14.3   |
| 85        | 65.0  | 32.0  | 96.0   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 51.055 ug/l m

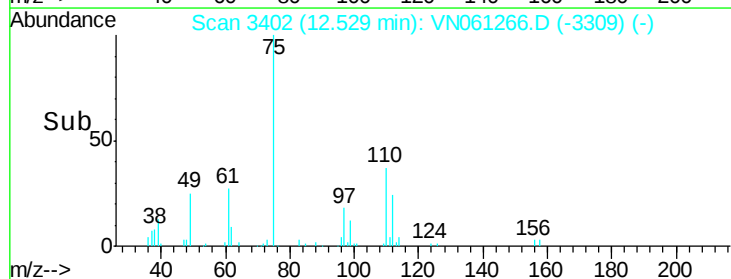
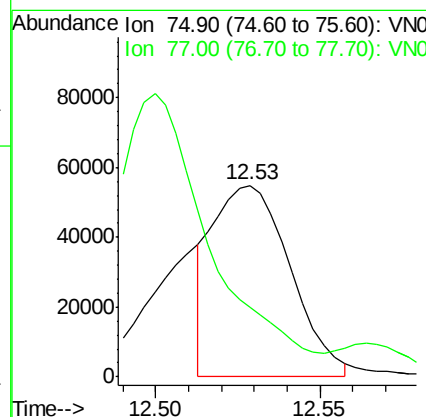
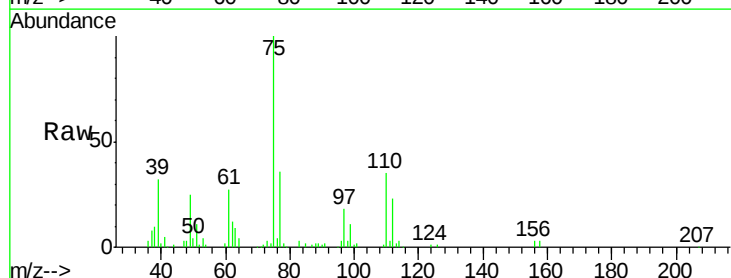
RT: 12.53 min Scan# 3402

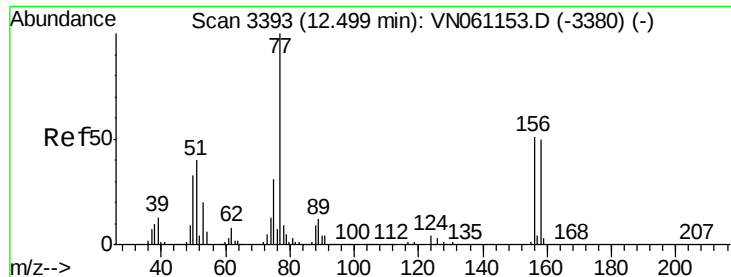
Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 90257 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 48.736 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 69351

Ion Ratio Lower Upper

156 100

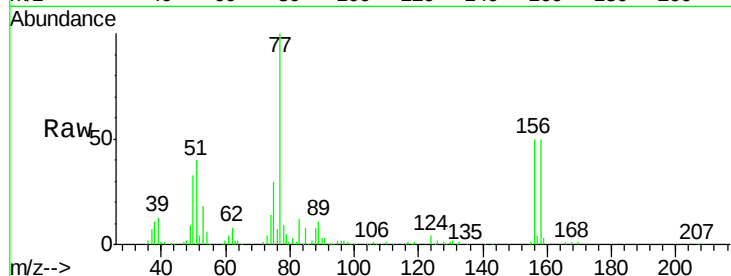
77 242.4 117.4 352.2

158 97.0 48.4 145.0

Manual Integrations  
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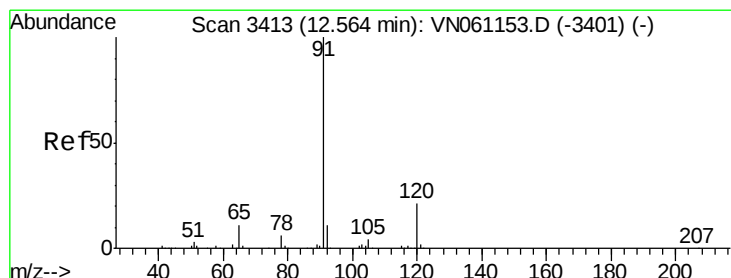
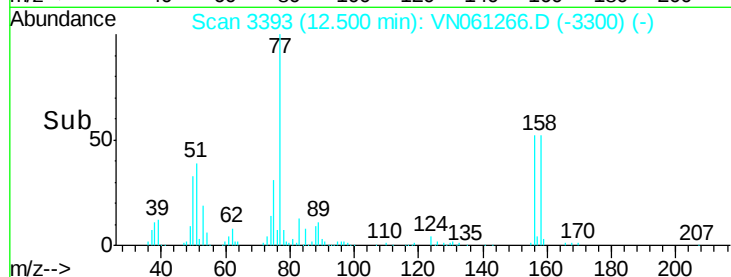
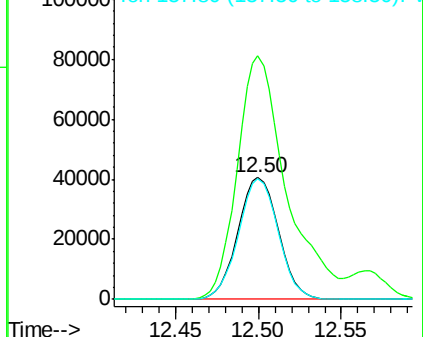
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.676 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061266.D

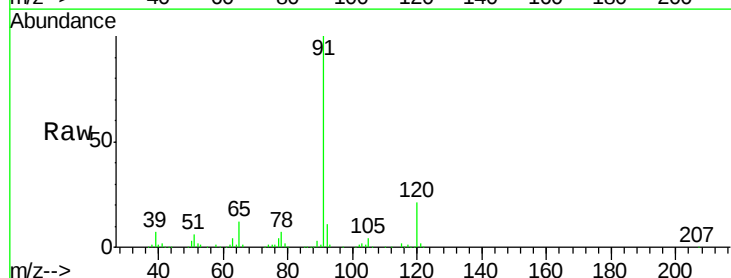
Acq: 2 May 2020 10:27

Tgt Ion: 91 Resp: 363211

Ion Ratio Lower Upper

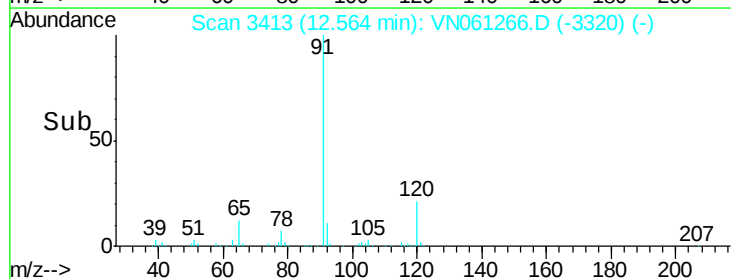
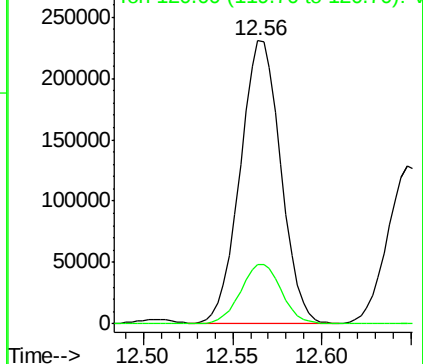
91 100

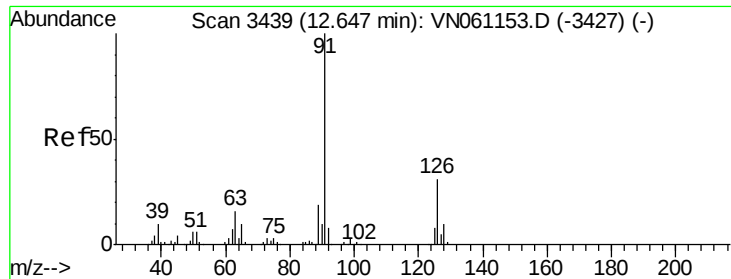
120 21.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





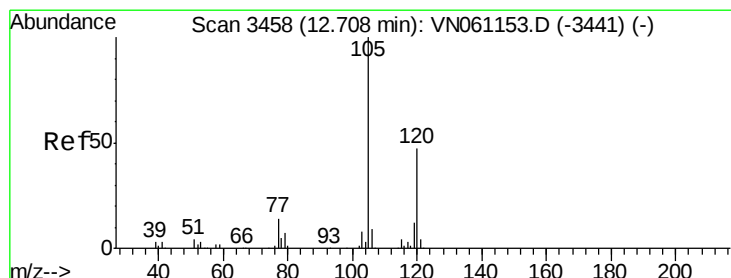
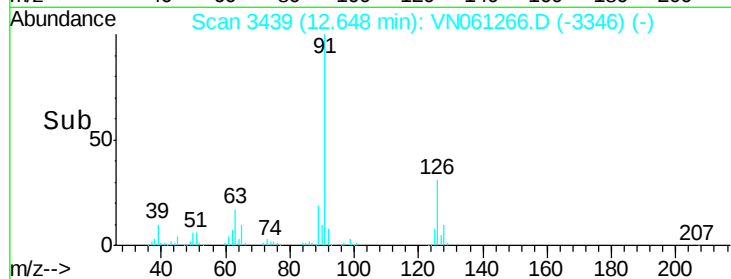
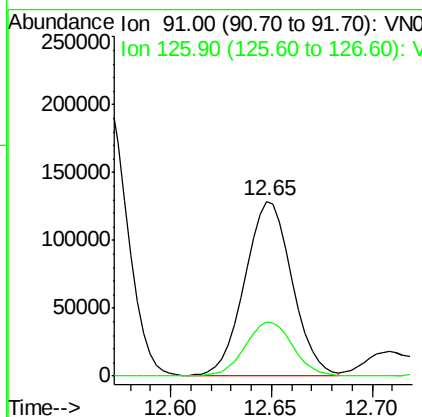
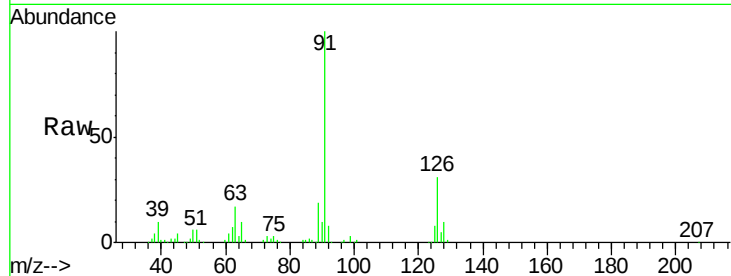
#79  
 2-Chlorotoluene  
 Concen: 48.907 ug/l  
 RT: 12.65 min Scan# 3439  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 91 Resp: 210180  
 Ion Ratio Lower Upper  
 91 100  
 126 31.5 15.9 47.7

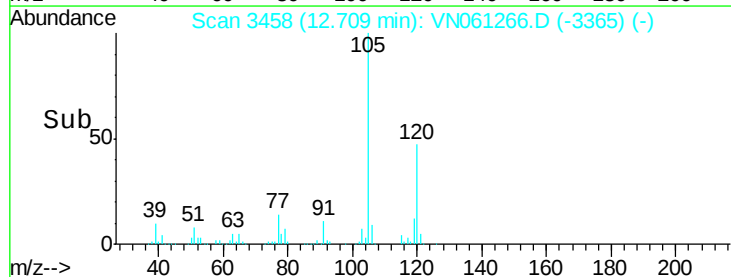
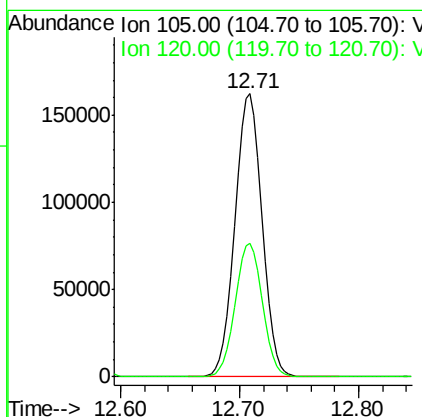
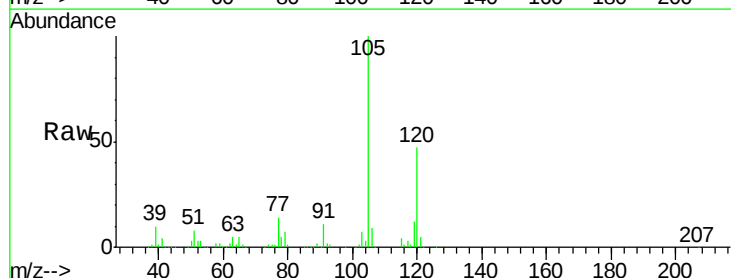
Manual Integrations  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.283 ug/l  
 RT: 12.71 min Scan# 3458  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Tgt Ion: 105 Resp: 256544  
 Ion Ratio Lower Upper  
 105 100  
 120 47.4 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.011 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

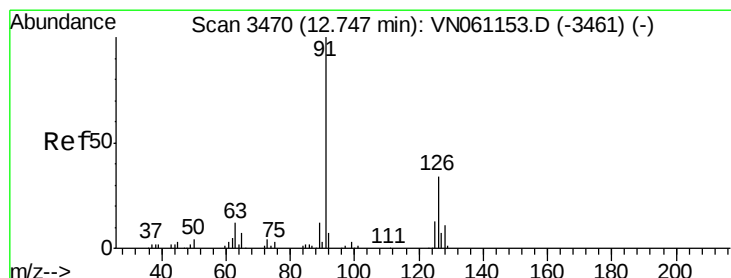
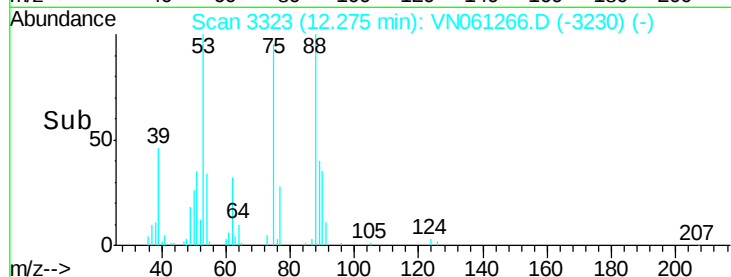
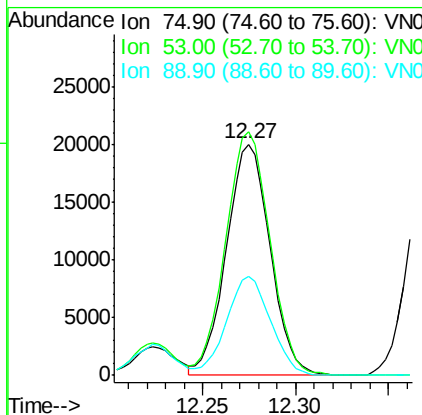
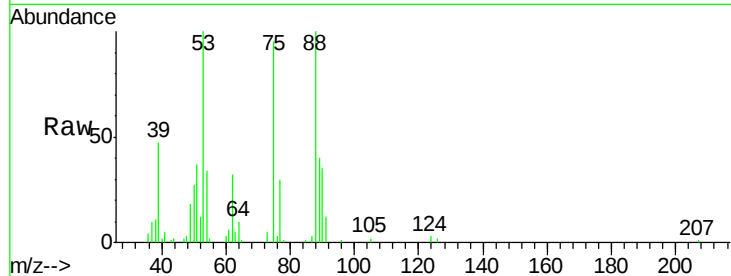
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 32726 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 107.1 | 84.1  | 126.1 |
| 89        | 42.9  | 35.2  | 52.8  |

Manual Integrations  
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5/4/2020 2:58:15 PM



#82

4-Chlorotoluene

Concen: 50.032 ug/l

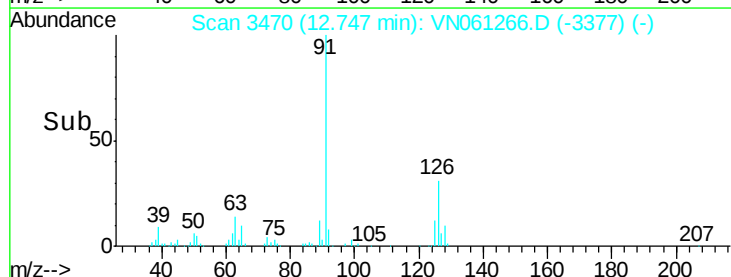
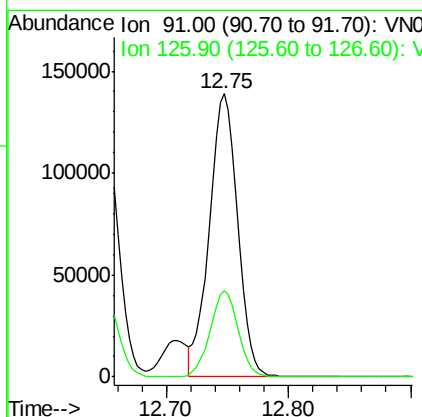
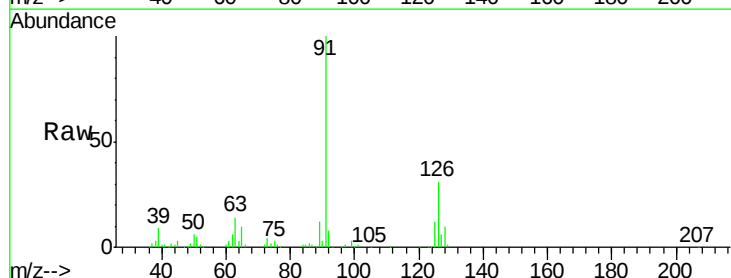
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 226621 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 30.1  | 15.7  | 47.1   |





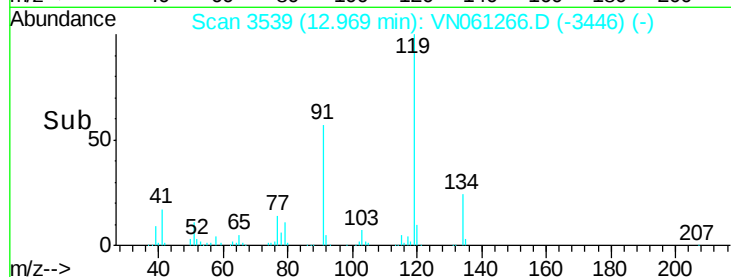
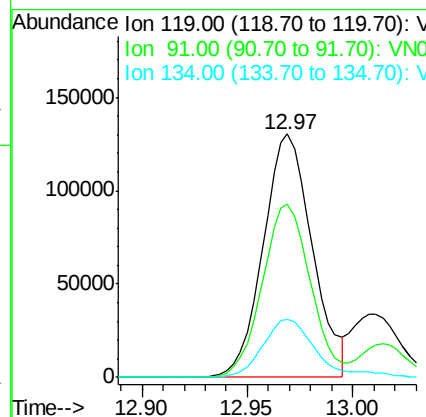
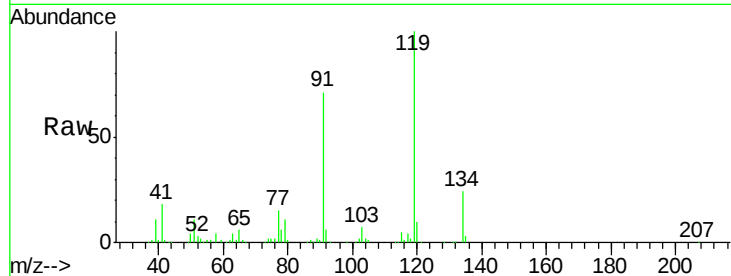
#83  
tert-Butylbenzene  
Concen: 49.076 ug/l  
RT: 12.97 min Scan# 3539  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 211126 |       |       |
| 91      | 69.7  | 34.8   | 104.4 |       |
| 134     | 25.9  | 12.9   | 38.7  |       |

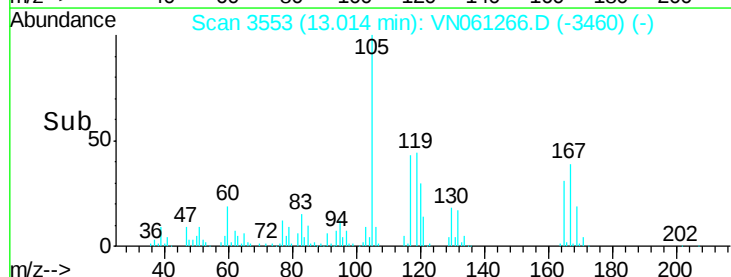
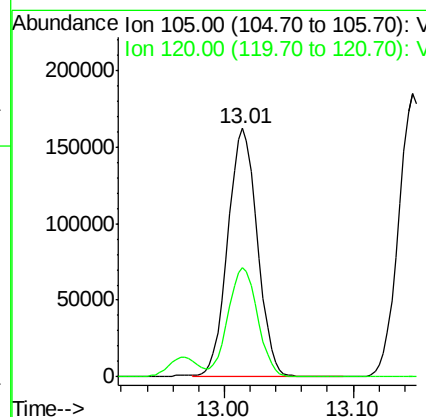
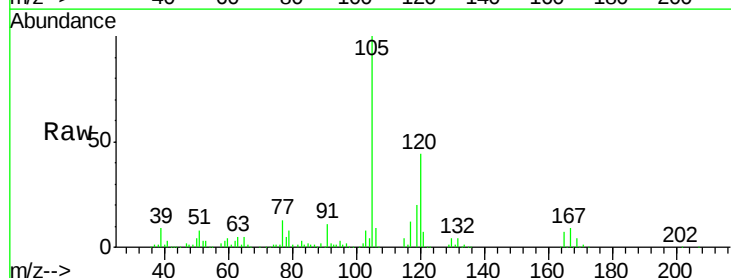
Manual Integrations  
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#84  
1,2,4-Trimethylbenzene  
Concen: 49.022 ug/l  
RT: 13.01 min Scan# 3553  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 257682 |       |       |
| 120     | 44.3  | 22.2   | 66.6  |       |





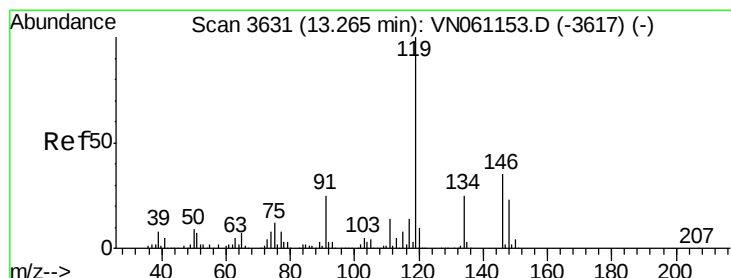
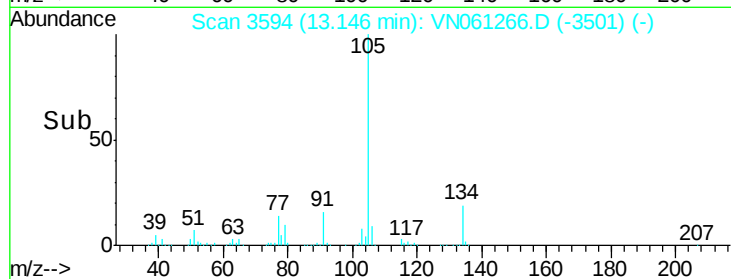
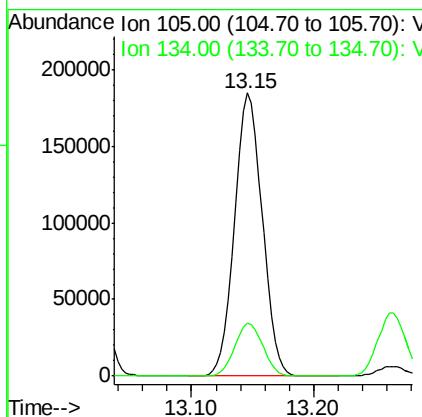
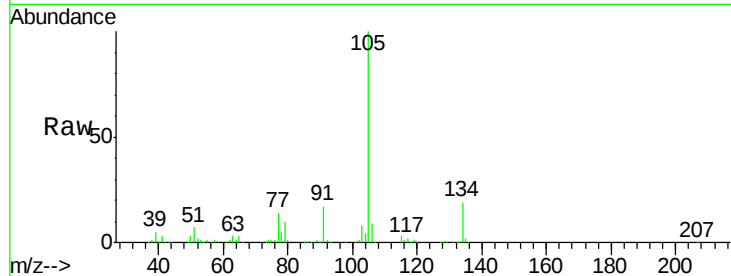
#85  
 sec-Butylbenzene  
 Concen: 49.642 ug/l  
 RT: 13.15 min Scan# 3594  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 291163 |       |       |
| 134     | 18.9  | 9.6    | 28.8  |       |

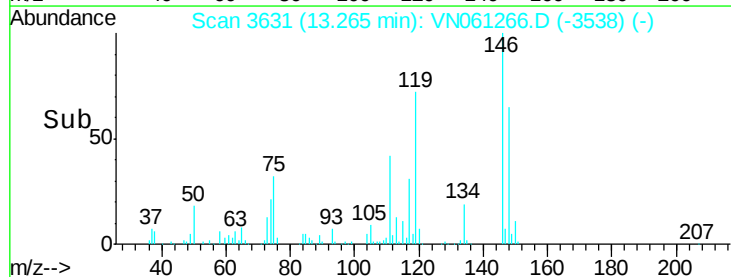
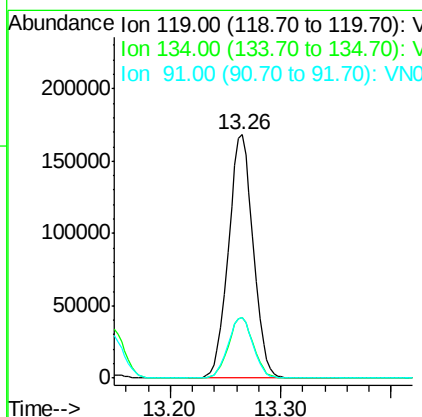
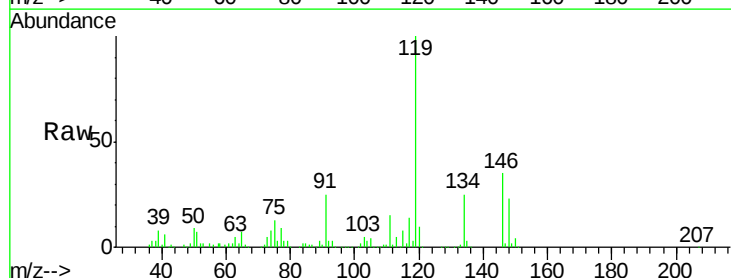
Manual Integrations  
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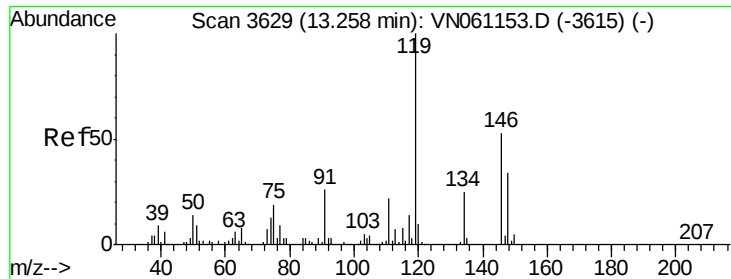
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#86  
 p-Isopropyltoluene  
 Concen: 49.450 ug/l  
 RT: 13.26 min Scan# 3631  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 261321 |       |       |
| 134     | 25.1  | 12.6   | 37.6  |       |
| 91      | 25.3  | 12.7   | 38.0  |       |





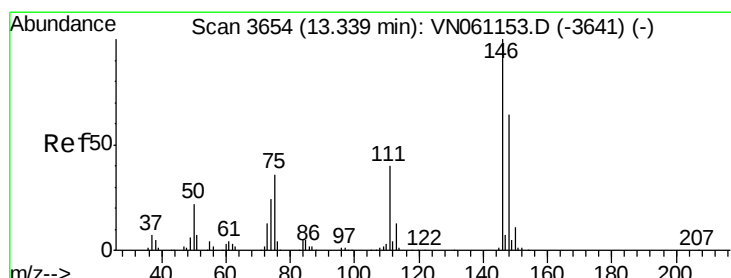
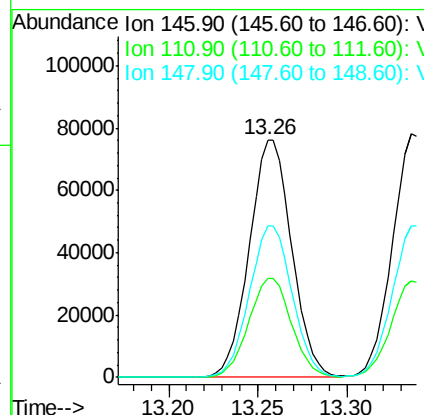
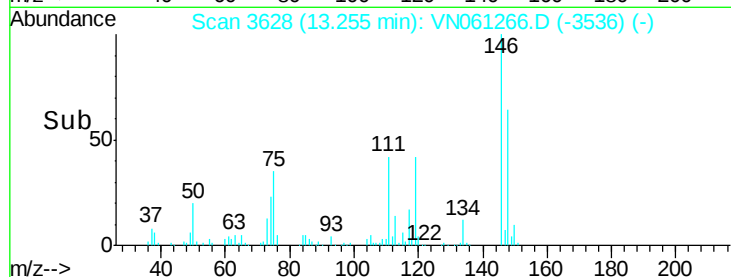
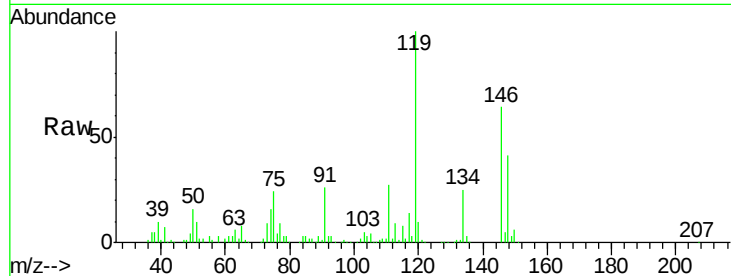
#87  
 1,3-Dichlorobenzene  
 Concen: 48.351 ug/l  
 RT: 13.26 min Scan# 3628  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.1  | 20.7  | 62.1  |
| 148     | 64.2  | 31.8  | 95.3  |

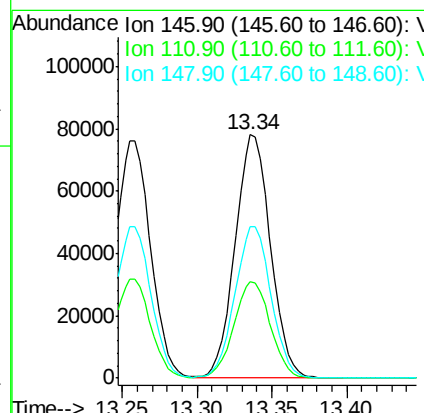
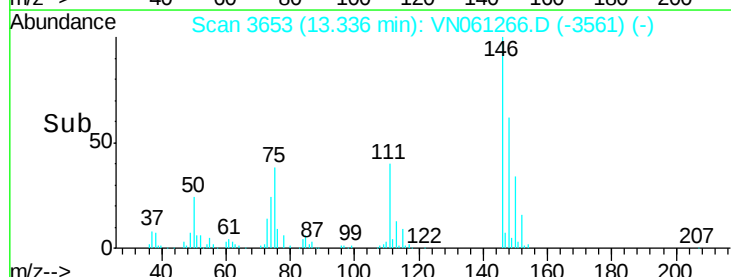
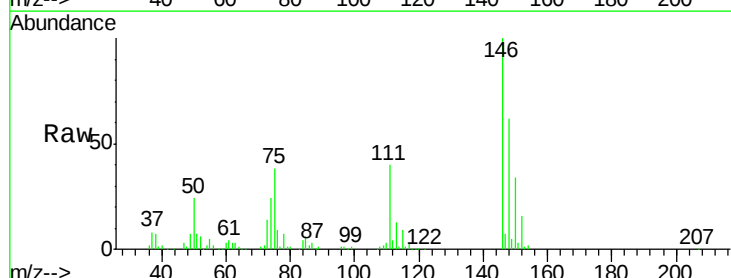
Manual Integrations  
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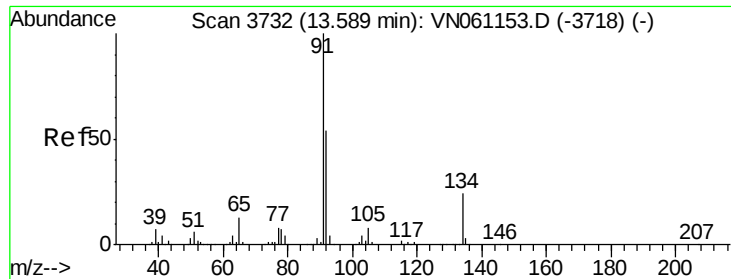
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#88  
 1,4-Dichlorobenzene  
 Concen: 48.123 ug/l  
 RT: 13.34 min Scan# 3653  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.9  | 20.4  | 61.3  |
| 148     | 63.5  | 31.9  | 95.7  |





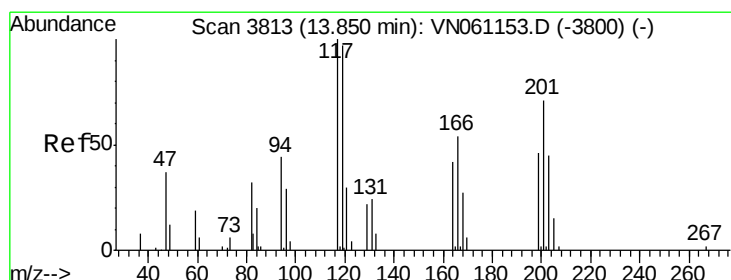
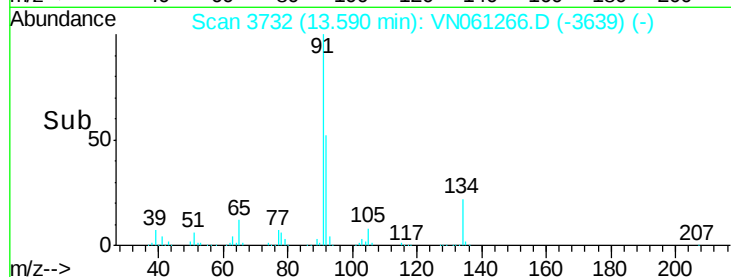
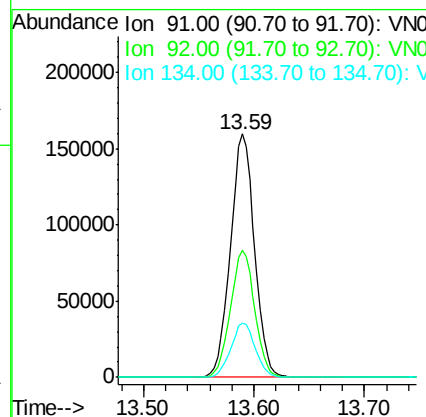
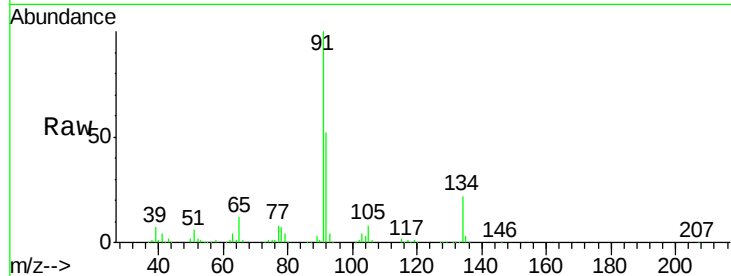
#89  
n-Butylbenzene  
Concen: 49.959 ug/l  
RT: 13.59 min Scan# 3732  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 242031 |       |       |
| 92      | 52.5  | 26.8   | 80.3  |       |
| 134     | 22.7  | 11.9   | 35.5  |       |

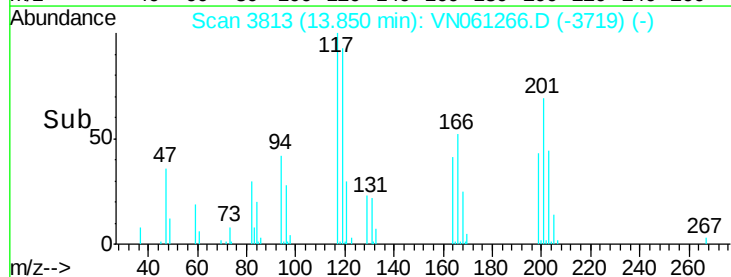
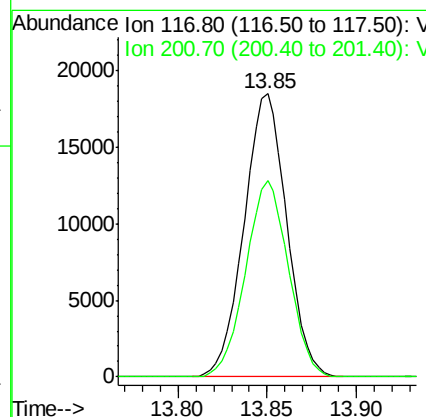
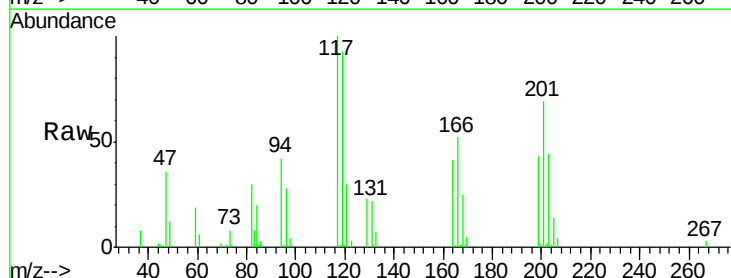
Manual Integrations  
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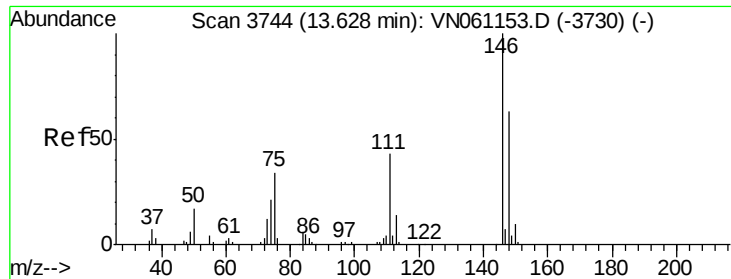
MMDadoda  
5/4/2020 2:58:15 PM



#90  
Hexachloroethane  
Concen: 55.130 ug/l  
RT: 13.85 min Scan# 3813  
Delta R.T. 0.00 min  
Lab File: VN061266.D  
Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 30897 |       |       |
| 201     | 69.3  | 35.5  | 106.7 |       |





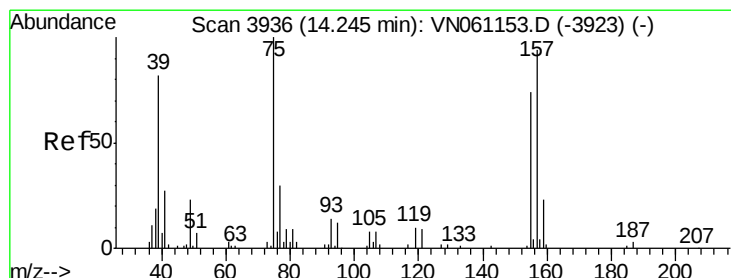
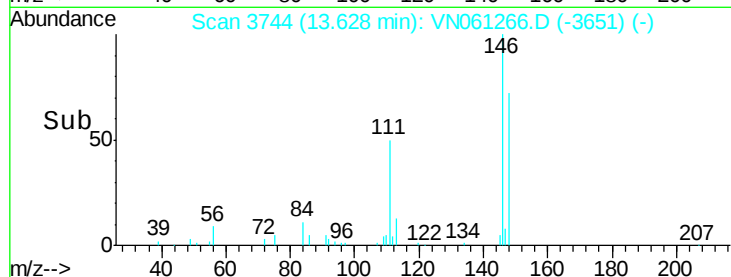
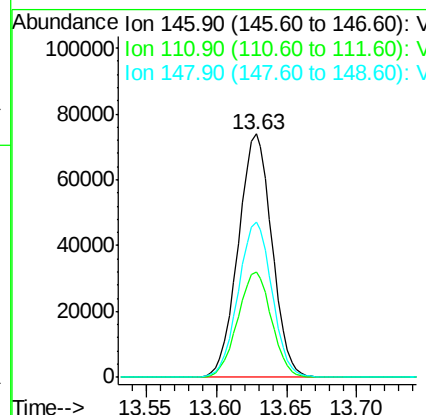
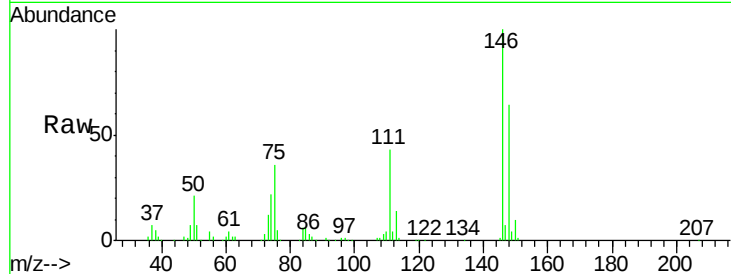
#91  
 1,2-Dichlorobenzene  
 Concen: 49.243 ug/l  
 RT: 13.63 min Scan# 3744  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 123688 |       |       |
| 111     | 43.6  | 21.8   | 65.3  |       |
| 148     | 63.9  | 31.6   | 95.0  |       |

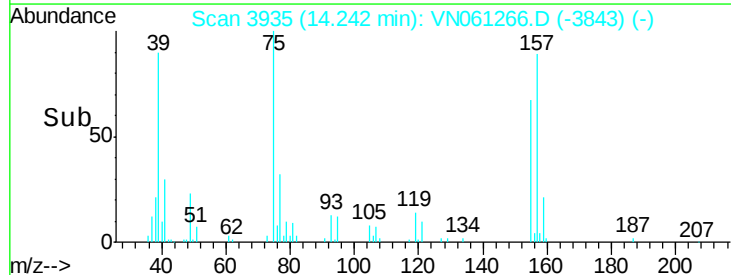
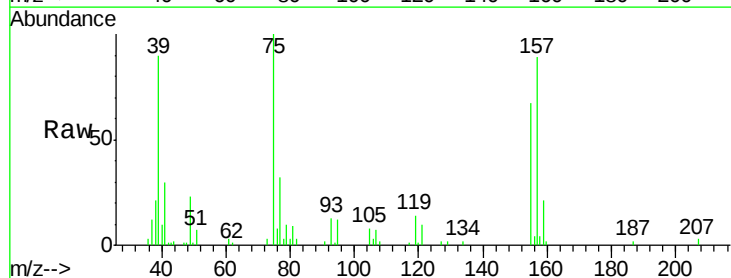
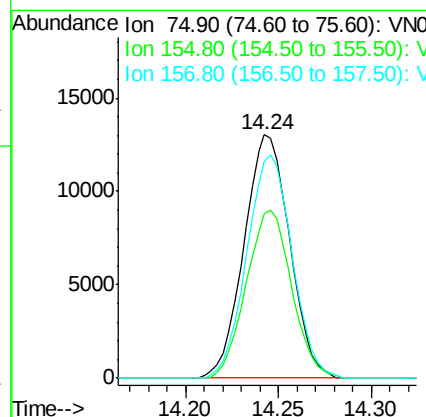
Manual Integrations  
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 5/4/2020 2:58:15 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 55.046 ug/l  
 RT: 14.24 min Scan# 3935  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 22346 |       |       |
| 155     | 68.5  | 36.5  | 109.7 |       |
| 157     | 90.9  | 46.6  | 139.7 |       |





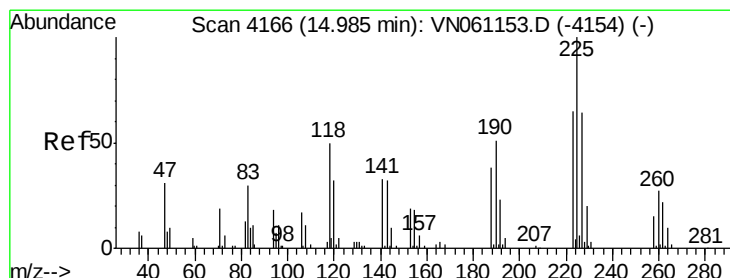
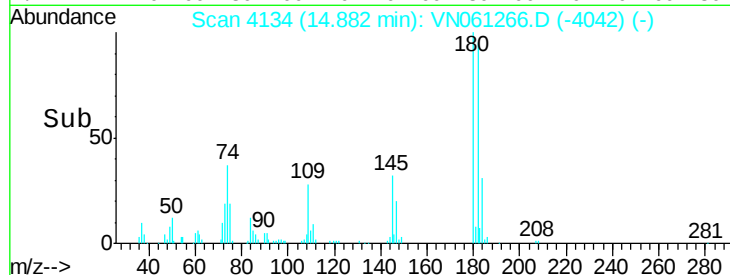
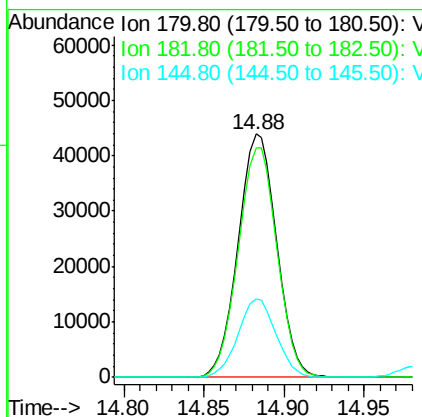
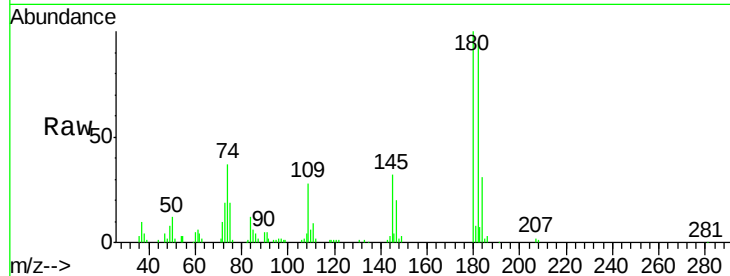
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.926 ug/l  
 RT: 14.88 min Scan# 4134  
 Delta R.T. -0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 71776 |       |       |
| 182     | 95.2  | 47.3  | 141.9 |       |
| 145     | 31.7  | 16.0  | 47.9  |       |

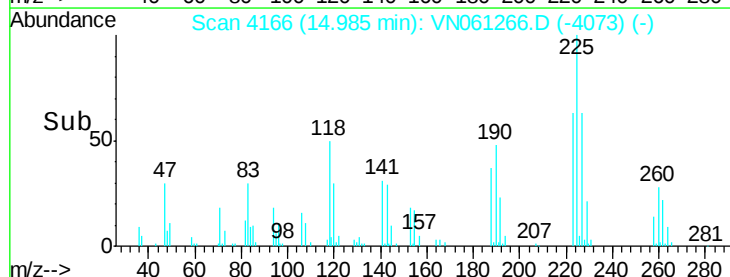
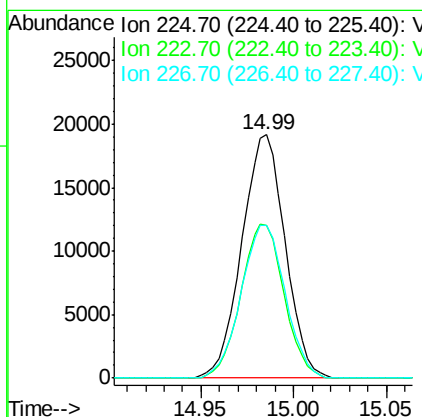
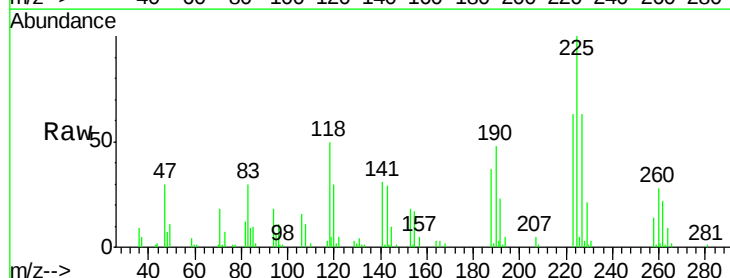
Manual Integrations  
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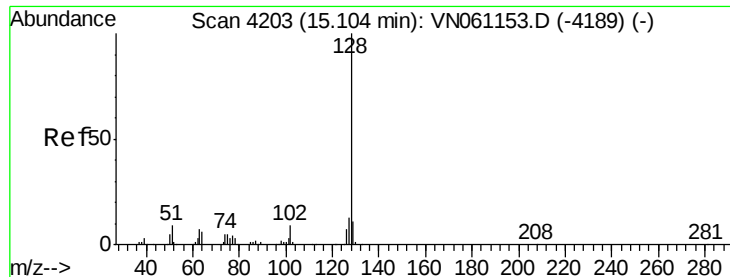
MMDadoda  
 5/4/2020 2:58:15 PM



#94  
 Hexachlorobutadiene  
 Concen: 48.793 ug/l  
 RT: 14.99 min Scan# 4166  
 Delta R.T. 0.00 min  
 Lab File: VN061266.D  
 Acq: 2 May 2020 10:27

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 31179 |       |       |
| 223     | 62.8  | 32.4  | 97.0  |       |
| 227     | 64.1  | 32.4  | 97.0  |       |





#95

Naphthalene

Concen: 48.620 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

Instrument :

MSVOA\_N

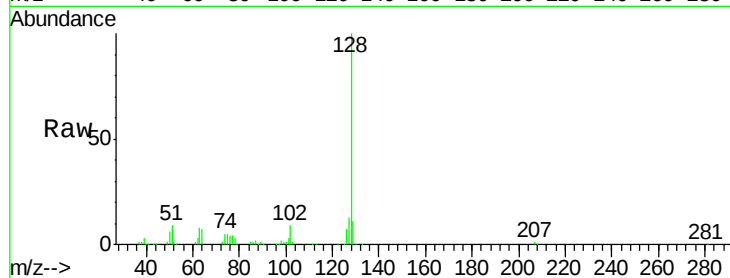
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 242193 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.7  | 10.4  | 15.6   |
| 129       | 10.7  | 8.7   | 13.1   |

Manual Integrations  
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Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

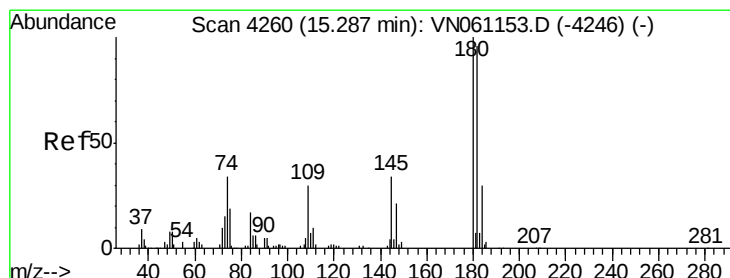
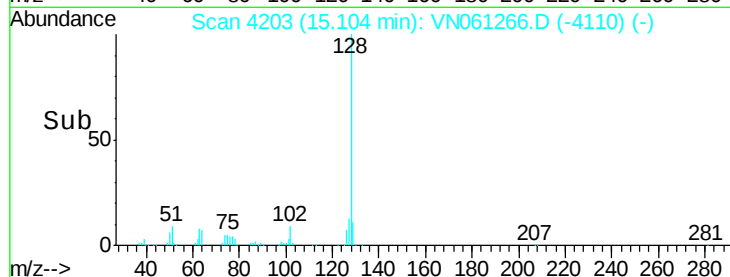
15.10

100000

50000

0

Time--> 15.00 15.10 15.20



#96

1,2,3-Trichlorobenzene

Concen: 46.762 ug/l

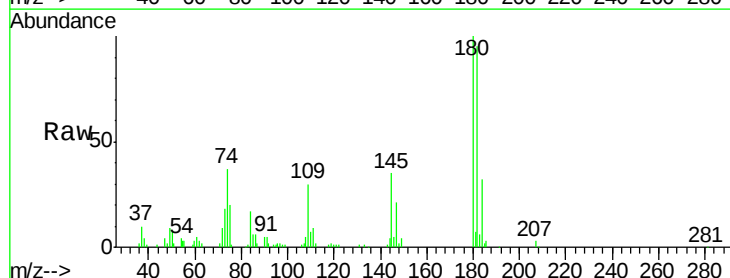
RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061266.D

Acq: 2 May 2020 10:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 70618 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.4  | 47.5  | 142.5 |
| 145       | 34.5  | 16.9  | 50.7  |



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

15.28

50000

40000

30000

20000

10000

0

Time--> 15.20 15.25 15.30 15.35

