

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\  
 Data File : VN063958.D  
 Acq On : 7 Oct 2020 21:19  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/8/2020 10:09:22 AM

Quant Time: Oct 08 06:22:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 01:46:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 291081   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 487414   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 458141   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 218670   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 222261   | 46.22 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.44% |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 152939   | 45.22 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.44% |      |
| 50) Toluene-d8            | 10.06  | 98  | 577890   | 45.07 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.14% |      |
| 62) 4-Bromofluorobenzene  | 12.38  | 95  | 215707   | 44.76 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.52% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 129717  | 42.234  | ug/l | 98     |
| 3) Chloromethane              | 2.04 | 50  | 156328  | 43.378  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.16 | 62  | 163019  | 45.064  | ug/l | 97     |
| 5) Bromomethane               | 2.53 | 94  | 96033   | 42.204  | ug/l | 97     |
| 6) Chloroethane               | 2.67 | 64  | 106693  | 49.357  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 261327  | 45.548  | ug/l | 96     |
| 8) Diethyl Ether              | 3.38 | 74  | 94268   | 48.583  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 133333  | 43.480  | ug/l | 97     |
| 10) Methyl Iodide             | 3.91 | 142 | 152511  | 42.833  | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.73 | 59  | 142539  | 268.479 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.70 | 96  | 135208  | 46.128  | ug/l | 94     |
| 13) Acrolein                  | 3.57 | 56  | 72761   | 223.299 | ug/l | 99     |
| 14) Allyl chloride            | 4.28 | 41  | 252383  | 46.348  | ug/l | 98     |
| 15) Acrylonitrile             | 4.93 | 53  | 397156  | 261.337 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 360363  | 243.436 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.01 | 76  | 353834  | 44.738  | ug/l | 100    |
| 18) Methyl Acetate            | 4.28 | 43  | 207296  | 53.934  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 535434  | 50.280  | ug/l | 99     |
| 20) Methylene Chloride        | 4.51 | 84  | 163261  | 48.154  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 150157  | 45.736  | ug/l | 96     |
| 22) Diisopropyl ether         | 5.90 | 45  | 595281  | 53.132  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.85 | 43  | 2438530 | 262.753 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 311801  | 48.673  | ug/l | 97     |
| 25) 2-Butanone                | 6.78 | 43  | 571797  | 272.449 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.78 | 77  | 225310  | 38.407  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 178532  | 47.282  | ug/l | 99     |
| 28) Bromochloromethane        | 7.15 | 49  | 156533  | 49.440  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.17 | 42  | 384340  | 273.045 | ug/l | 96     |
| 30) Chloroform                | 7.33 | 83  | 329241  | 49.292  | ug/l | 96     |
| 31) Cyclohexane               | 7.61 | 56  | 242940  | 43.516  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 297026  | 49.302  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 224805  | 45.526  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.88 | 43  | 243550  | 49.644  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.74 | 117 | 254368  | 45.938  | ug/l | 94     |

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 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/8/2020 10:09:22 AM

Quant Time: Oct 08 06:22:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 01:46:38 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 198507   | 40.312  | ug/l   | 99       |
| 40) Benzene                    | 8.00  | 78   | 672133   | 47.655  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.12  | 41   | 98571    | 45.208  | ug/l # | 80       |
| 42) 1,2-Dichloroethane         | 8.09  | 62   | 284475   | 47.251  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.13  | 43   | 416031   | 51.412  | ug/l   | 100      |
| 44) Trichloroethene            | 8.80  | 130  | 168002   | 45.462  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 184409   | 48.413  | ug/l   | 99       |
| 46) Dibromomethane             | 9.17  | 93   | 122969   | 46.797  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.37  | 83   | 266138   | 49.144  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.17  | 41   | 216770   | 54.219  | ug/l   | 91       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 56402    | 992.629 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 1282067  | 269.975 | ug/l   | 100      |
| 52) Toluene                    | 10.13 | 92   | 428207   | 49.084  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 279193   | 48.094  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 292964   | 48.255  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 171795   | 49.104  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 260263   | 52.482  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 292783   | 49.465  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 684178   | 257.920 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.72 | 43   | 935739   | 265.252 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.87 | 129  | 200798   | 49.283  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 180470   | 50.428  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.60 | 164  | 152534   | 43.034  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.41 | 112  | 448625   | 47.737  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 177746   | 49.334  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.49 | 91   | 832462   | 48.680  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.59 | 106  | 610746   | 95.827  | ug/l   | 100      |
| 69) o-Xylene                   | 11.92 | 106  | 296637   | 49.796  | ug/l   | 100      |
| 70) Styrene                    | 11.94 | 104  | 510619   | 50.497  | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 139727   | 50.708  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.23 | 105  | 778378   | 48.802  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.05 | 43   | 374454   | 50.490  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 247349   | 50.715  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 211760m  | 43.930  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 197599   | 50.490  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.57 | 91   | 882344   | 47.534  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 563316   | 49.344  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 658282   | 49.196  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.28 | 75   | 81662    | 48.793  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 579737   | 48.918  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 529663   | 48.392  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.02 | 105  | 669092   | 50.083  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 682902   | 47.503  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 620112   | 48.759  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 342858   | 48.424  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 346089   | 46.946  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.59 | 91   | 510998   | 43.533  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 119246   | 48.387  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 350471   | 49.976  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 54748    | 47.865  | ug/l   | 93       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

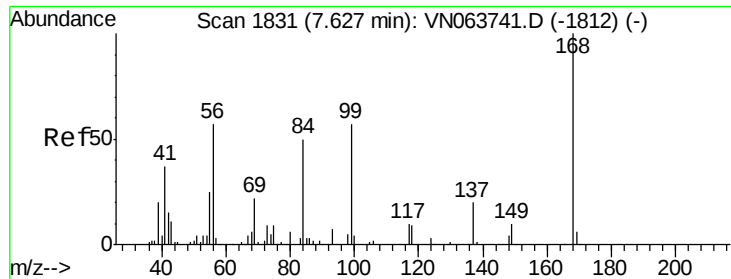
MMDadoda  
10/8/2020 10:09:22 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 01 01:46:38 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 165614   | 43.658 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 90382    | 47.537 | ug/l  | 98       |
| 95) Naphthalene            | 15.10 | 128  | 505382   | 43.109 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 164850   | 44.742 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 291081

Ion Ratio Lower Upper

168 100

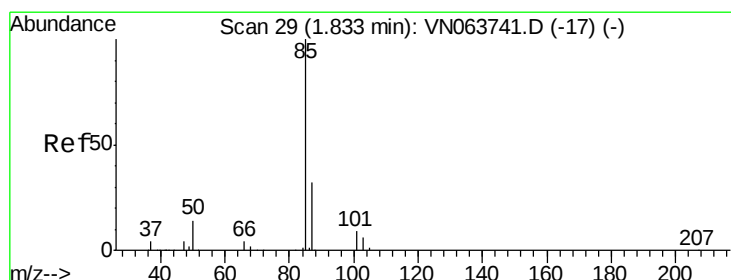
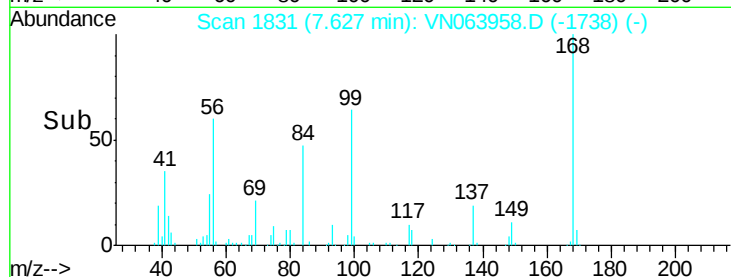
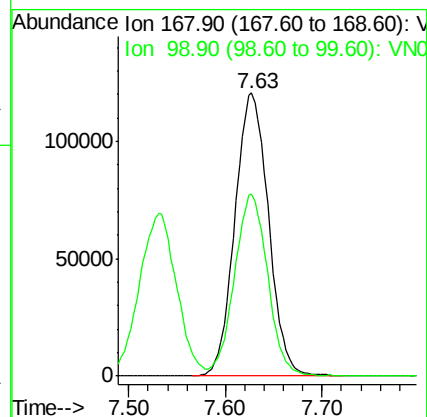
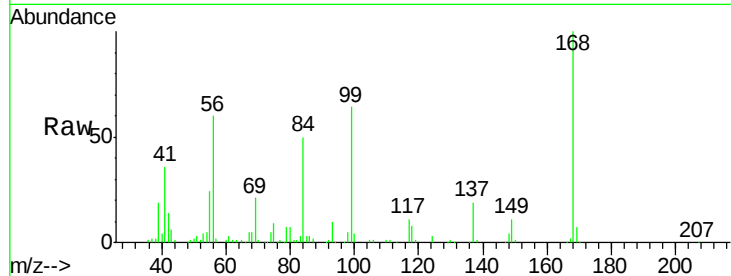
99 64.0 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

10/8/2020 10:09:22 AM



#2

Dichlorodifluoromethane

Concen: 42.234 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063958.D

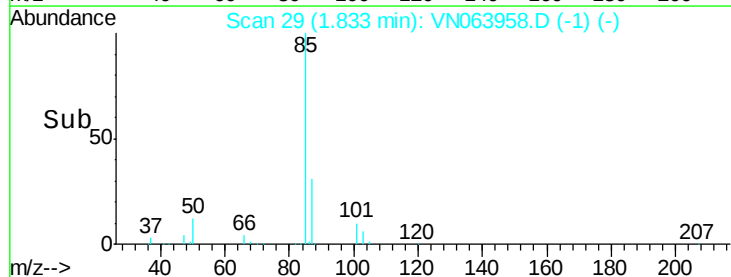
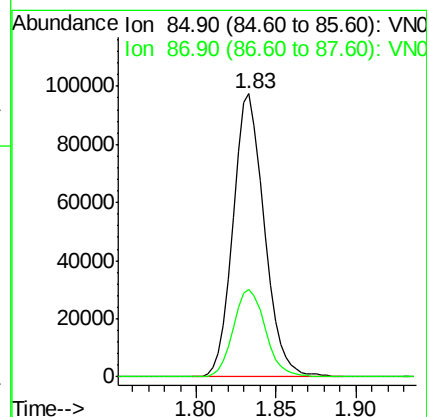
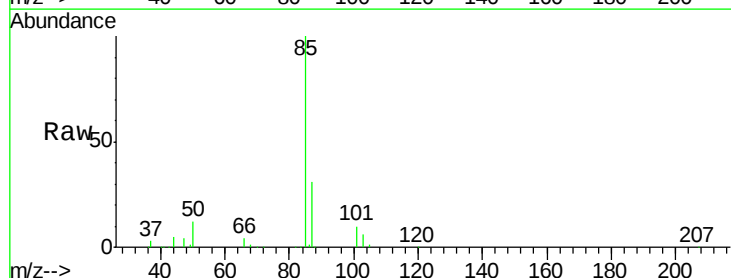
Acq: 7 Oct 2020 21:19

Tgt Ion: 85 Resp: 129717

Ion Ratio Lower Upper

85 100

87 30.9 16.0 48.0





#3

Chloromethane

Concen: 43.378 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 156328

Ion Ratio Lower Upper

50 100

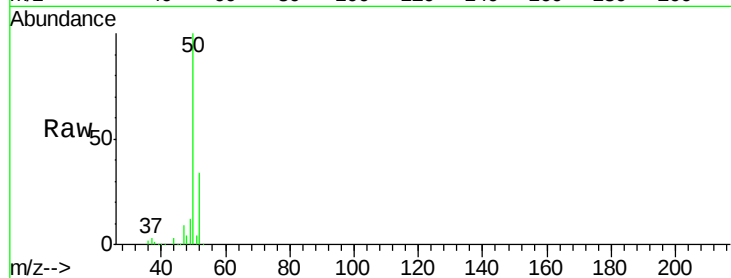
52 33.6 25.8 38.8

Manual Integrations

APPROVED

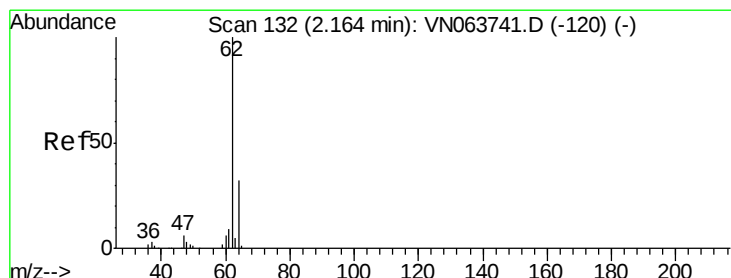
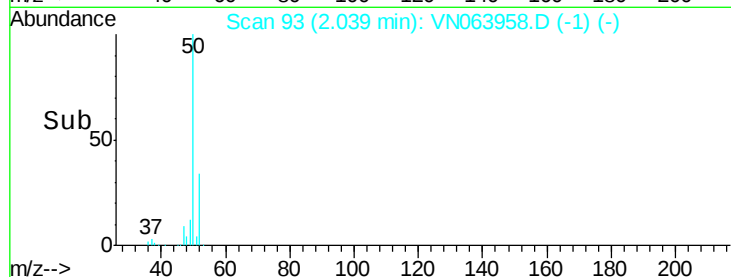
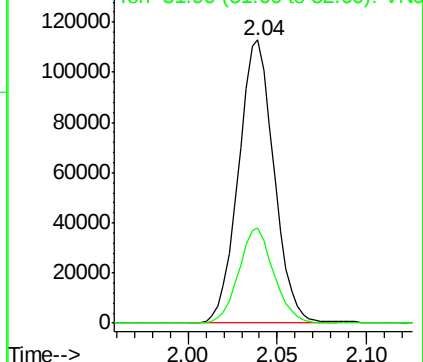
MMDadoda

10/8/2020 10:09:22 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.064 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063958.D

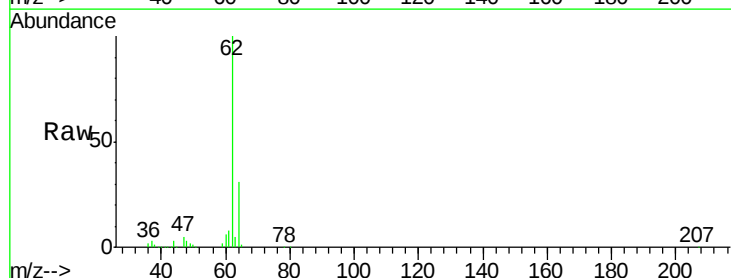
Acq: 7 Oct 2020 21:19

Tgt Ion: 62 Resp: 163019

Ion Ratio Lower Upper

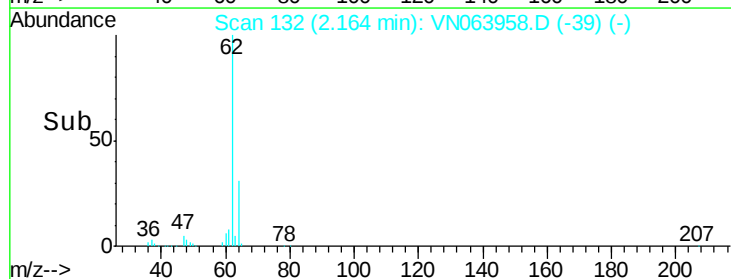
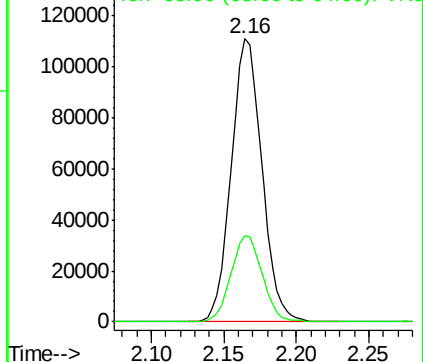
62 100

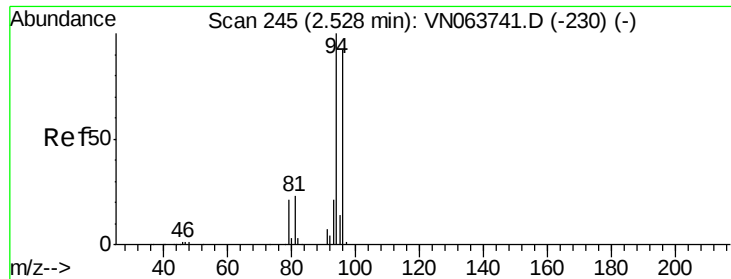
64 30.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 42.204 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 96033

Ion Ratio Lower Upper

94 100

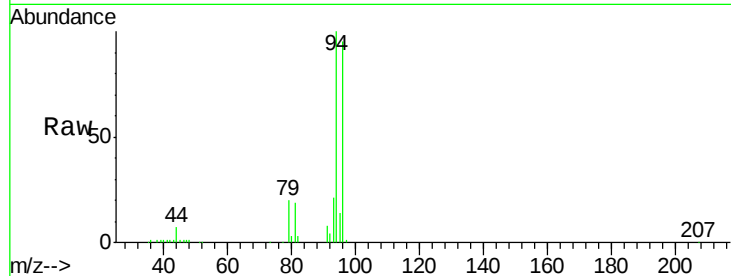
96 94.8 73.3 109.9

Manual Integrations

APPROVED

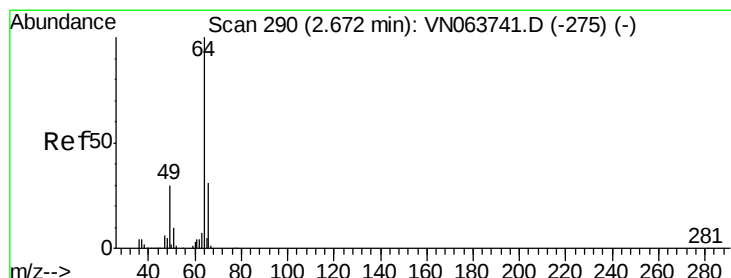
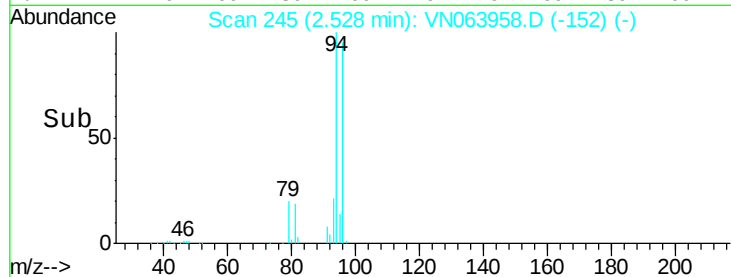
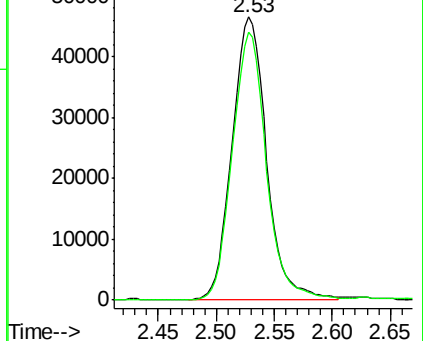
MMDadoda

10/8/2020 10:09:22 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.357 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063958.D

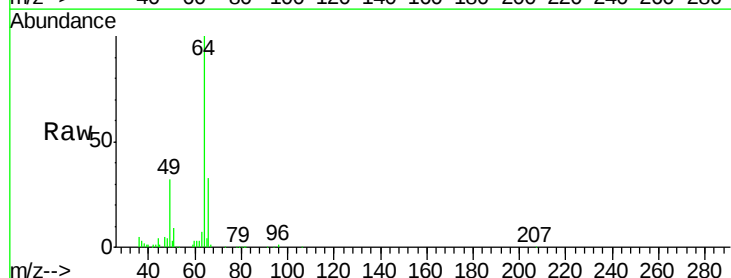
Acq: 7 Oct 2020 21:19

Tgt Ion: 64 Resp: 106693

Ion Ratio Lower Upper

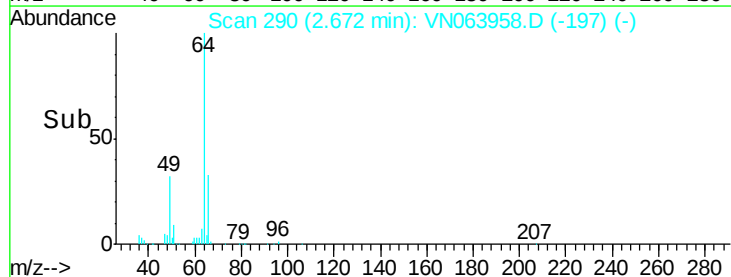
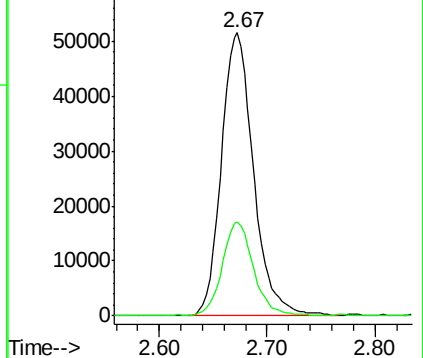
64 100

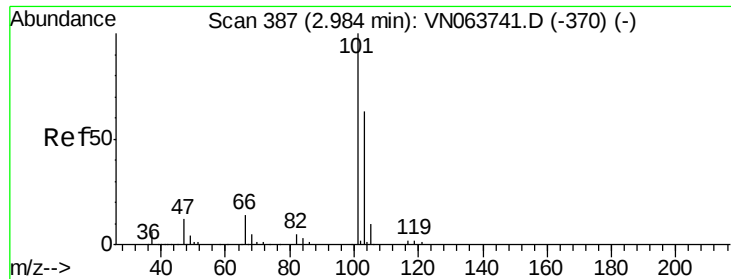
66 33.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

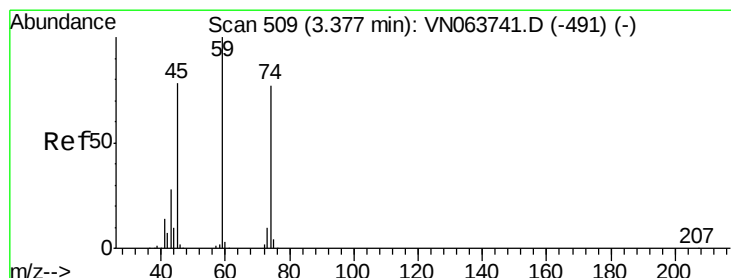
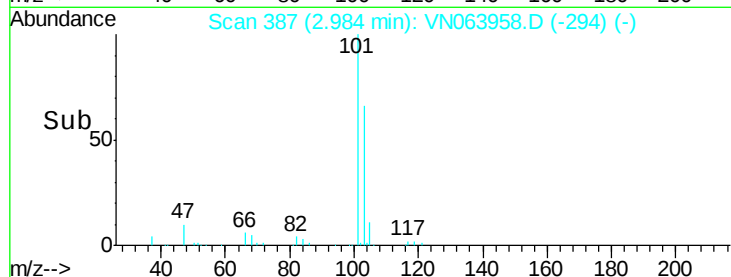
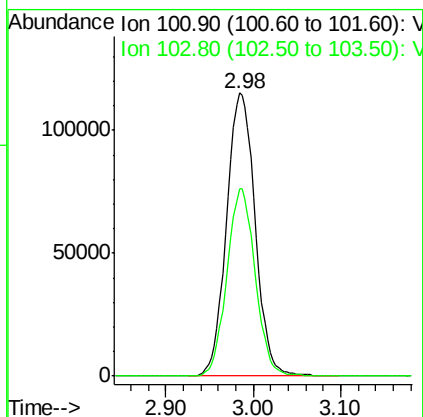
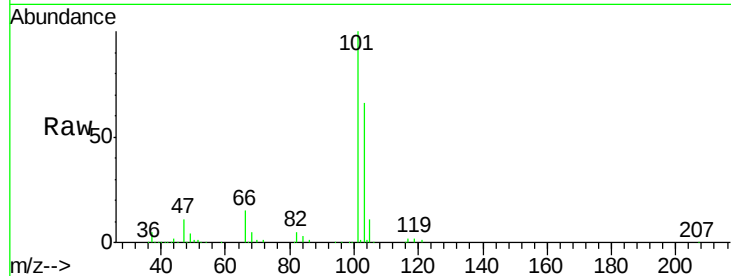
Trichlorofluoromethane  
Concen: 45.548 ug/l  
RT: 2.98 min Scan# 387  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.2  | 50.7  | 76.1  |

Manual Integrations  
APPROVED

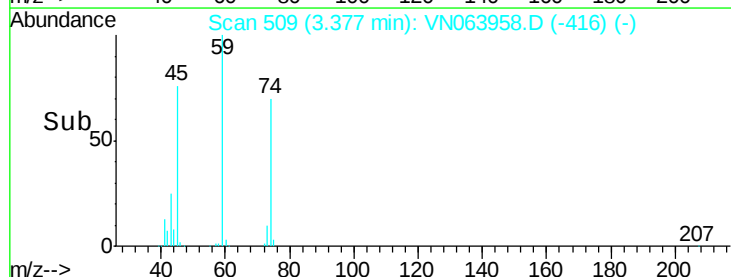
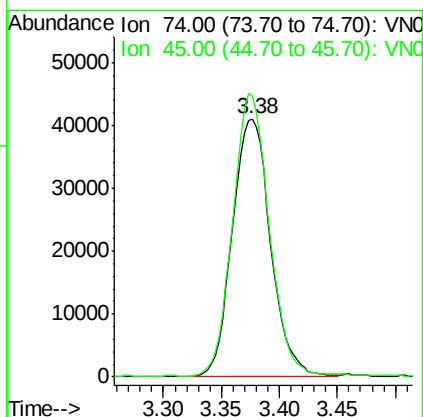
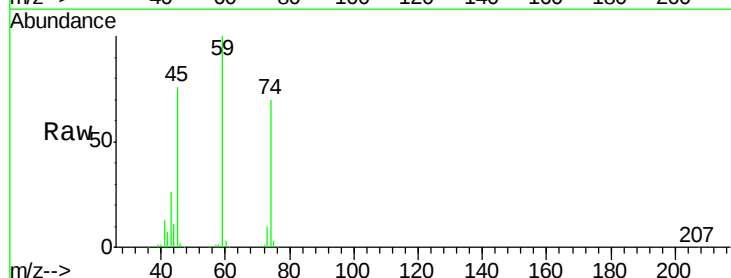
MMDadoda  
10/8/2020 10:09:22 AM

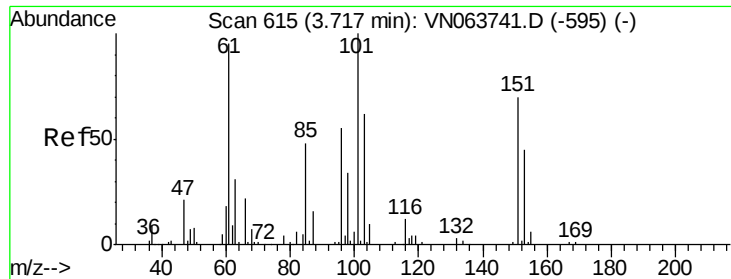


#8

Diethyl Ether  
Concen: 48.583 ug/l  
RT: 3.38 min Scan# 509  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 105.4 | 50.9  | 152.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.480 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

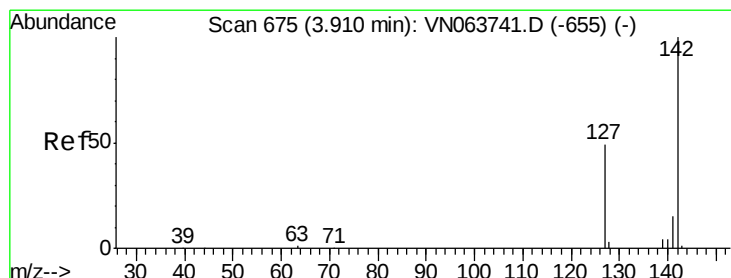
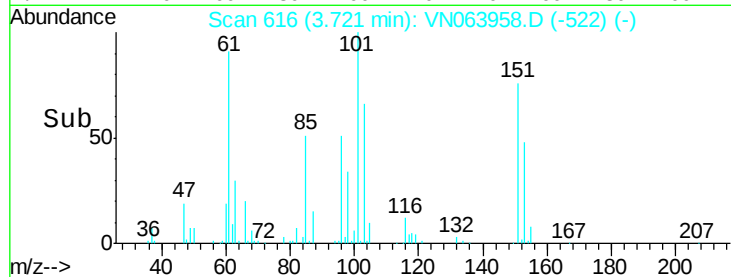
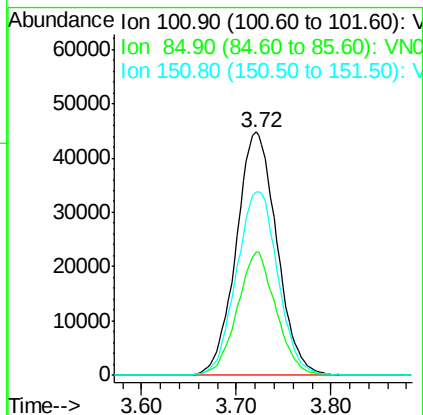
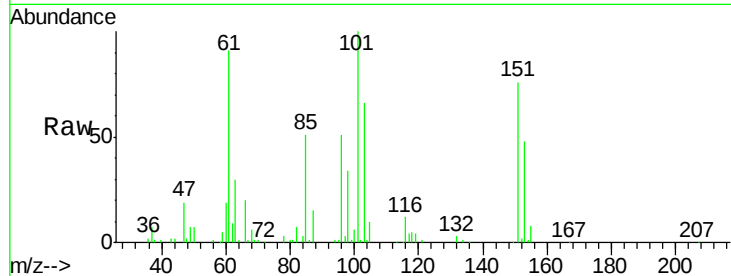
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 133333 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 48.4  | 38.6  | 58.0   |
| 151       | 77.2  | 58.7  | 88.1   |

Manual Integrations  
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MMDadoda  
10/8/2020 10:09:22 AM



#10

Methyl Iodide

Concen: 42.833 ug/l

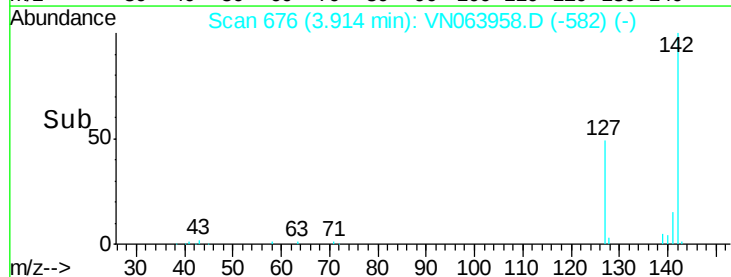
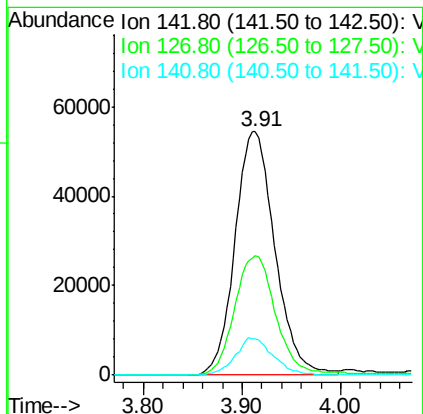
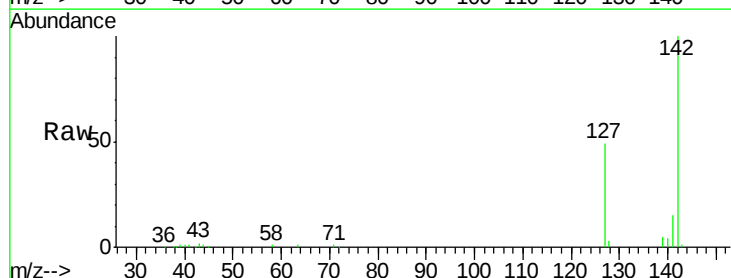
RT: 3.91 min Scan# 676

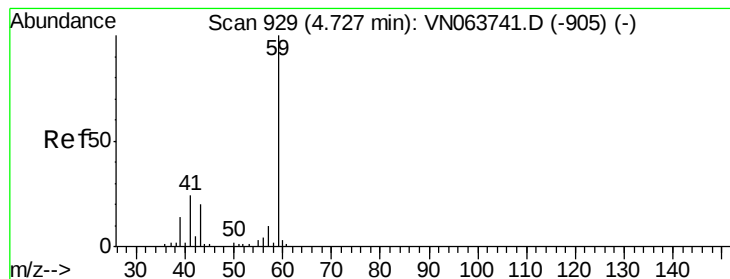
Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 152511 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 50.2  | 40.5  | 60.7   |
| 141       | 14.7  | 11.7  | 17.5   |





#11

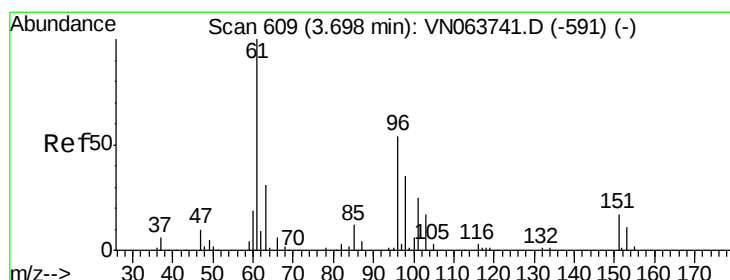
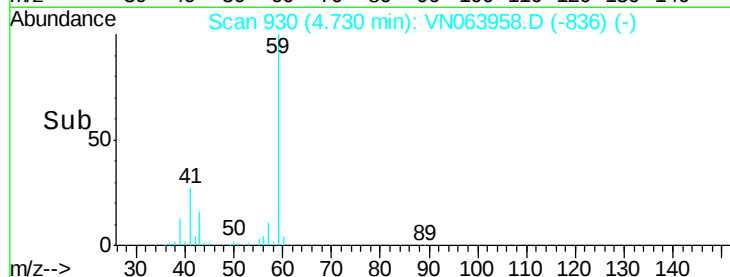
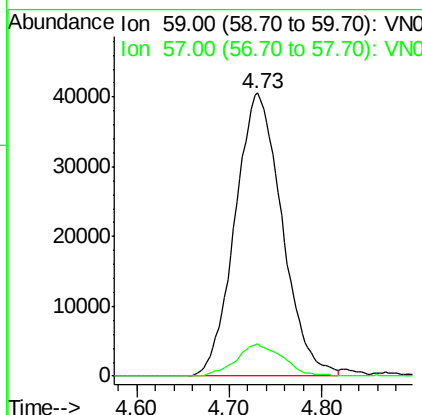
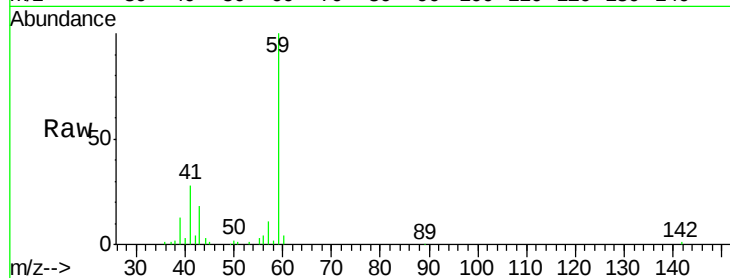
Tert butyl alcohol  
 Concen: 268.479 ug/l  
 RT: 4.73 min Scan# 930  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 142539 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 11.2 | 8.7   | 13.1   |

Manual Integrations  
 APPROVED

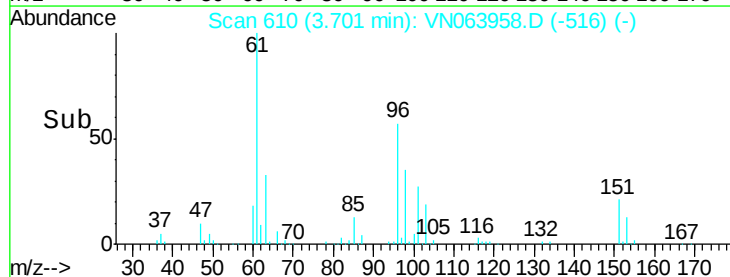
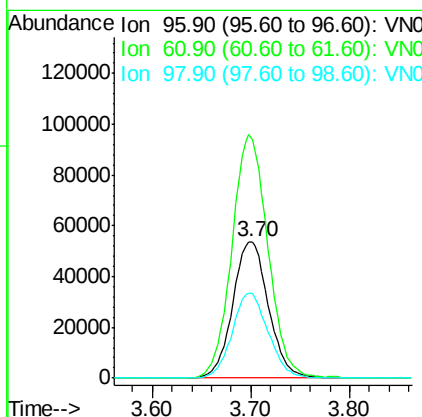
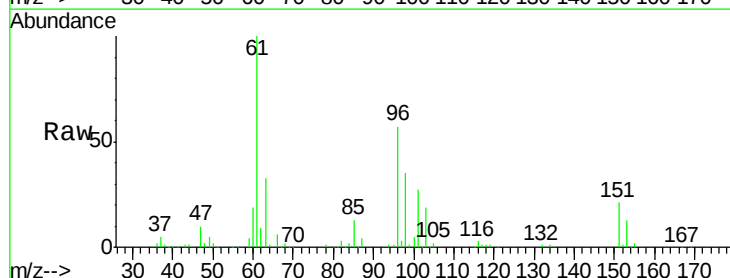
MMDadoda  
 10/8/2020 10:09:22 AM

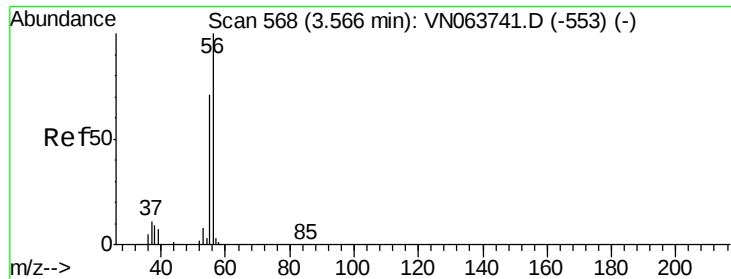


#12

1,1-Dichloroethene  
 Concen: 46.128 ug/l  
 RT: 3.70 min Scan# 610  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

| Tgt Ion   | 96    | Resp  | 135208 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 174.8 | 147.7 | 221.5  |
| 98        | 61.9  | 51.9  | 77.9   |





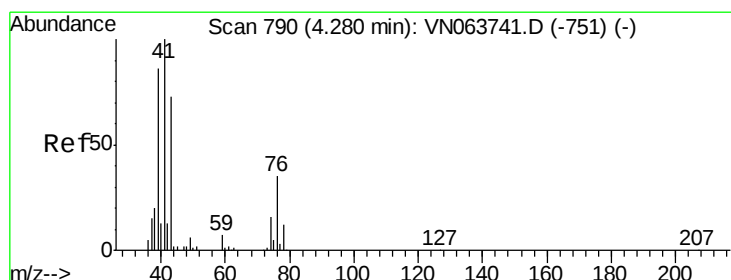
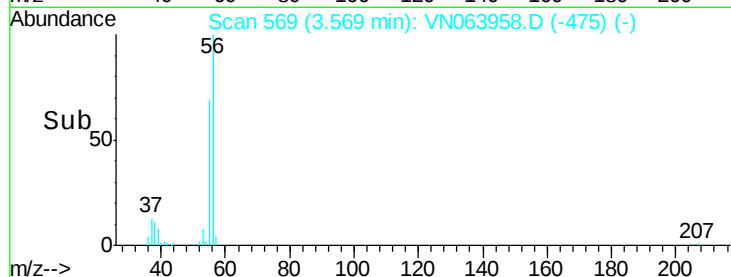
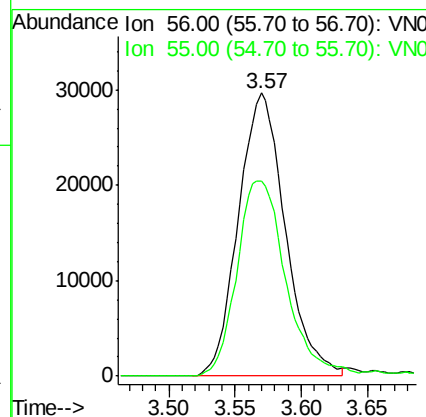
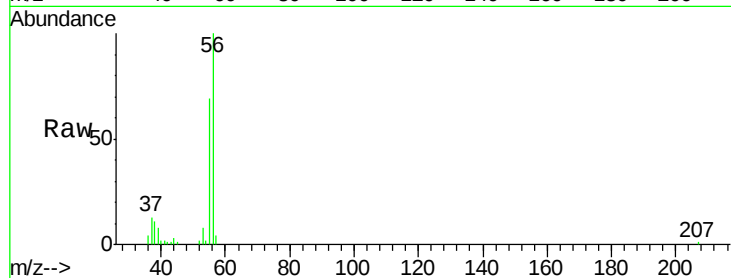
#13  
Acrolein  
Concen: 223.299 ug/l  
RT: 3.57 min Scan# 569  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 56    | Resp  | 72761 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 55        | 72.1  | 56.9  | 85.3  |

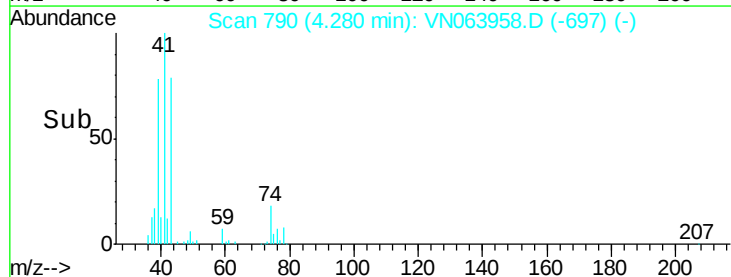
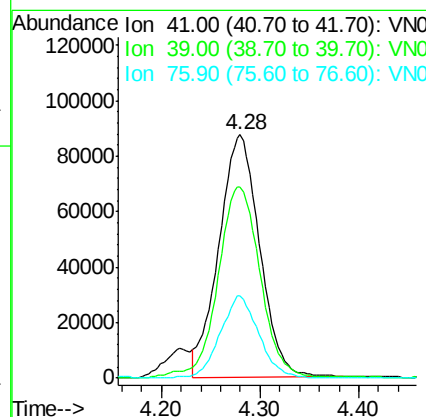
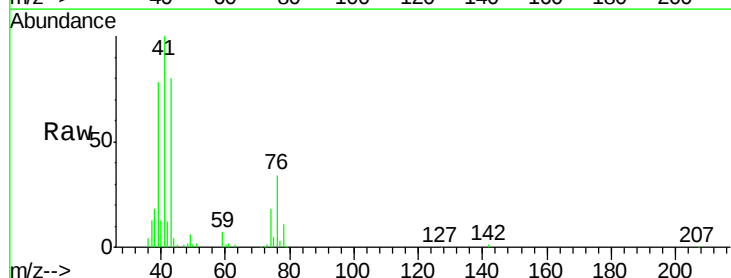
Manual Integrations  
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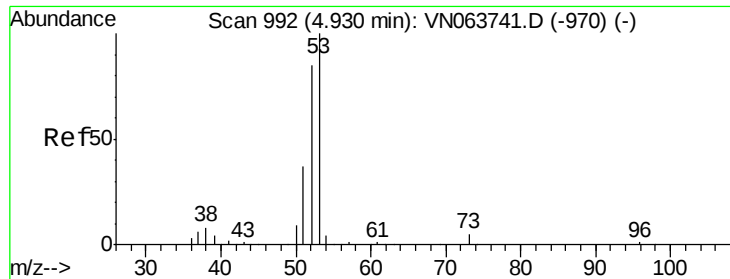
MMDadoda  
10/8/2020 10:09:22 AM



#14  
Allyl chloride  
Concen: 46.348 ug/l  
RT: 4.28 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion   | 41    | Resp  | 252383 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 82.1  | 64.5  | 96.7   |
| 76        | 31.5  | 25.9  | 38.9   |





#15

Acrylonitrile

Concen: 261.337 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

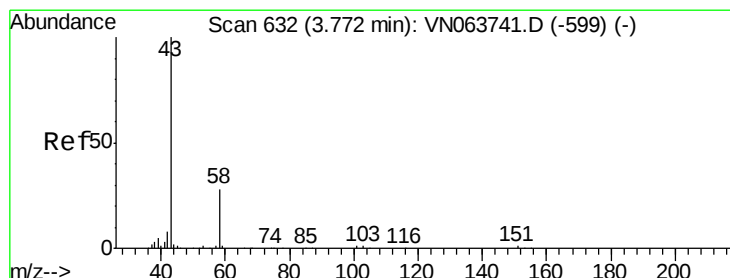
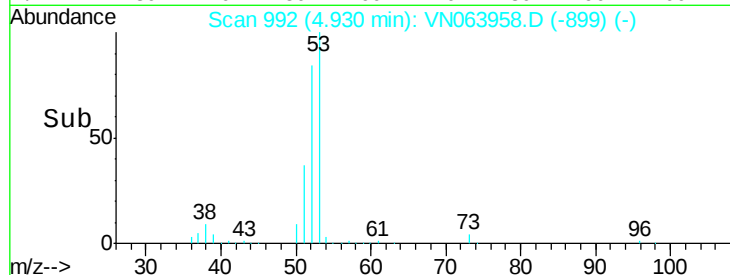
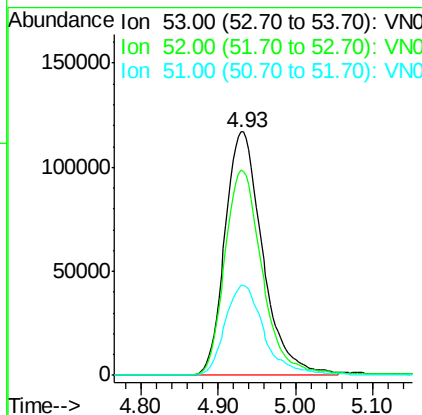
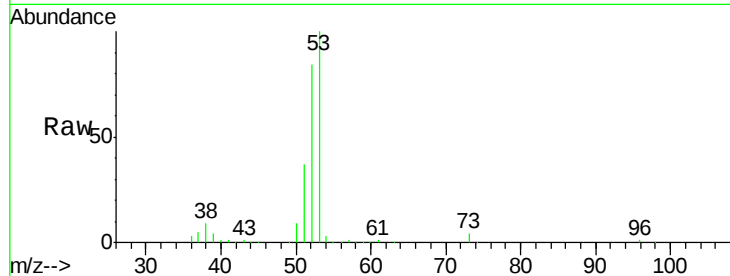
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 397156 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.6  | 66.5  | 99.7   |
| 51       | 38.3  | 29.9  | 44.9   |

Manual Integrations  
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MMDadoda  
10/8/2020 10:09:22 AM



#16

Acetone

Concen: 243.436 ug/l

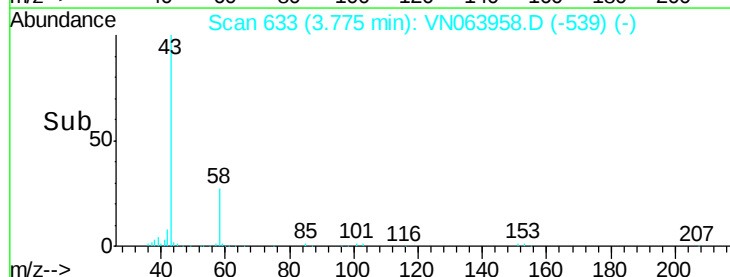
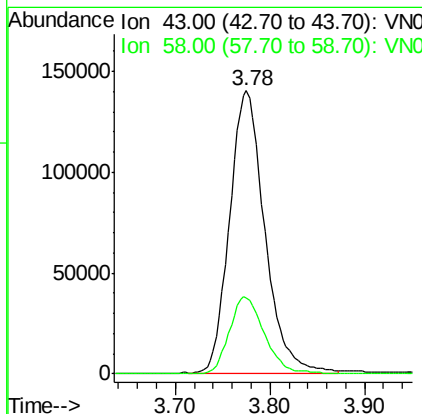
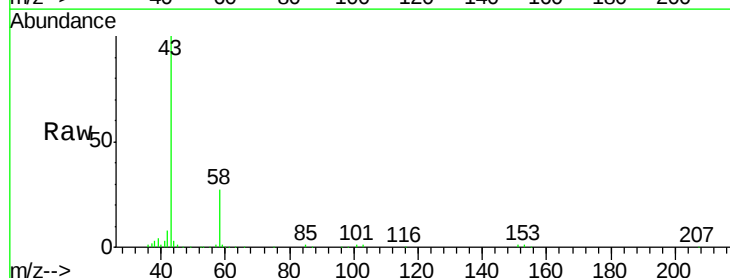
RT: 3.78 min Scan# 633

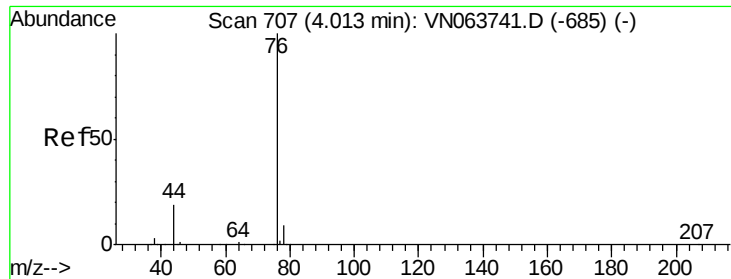
Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 360363 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 27.1  | 22.3  | 33.5   |





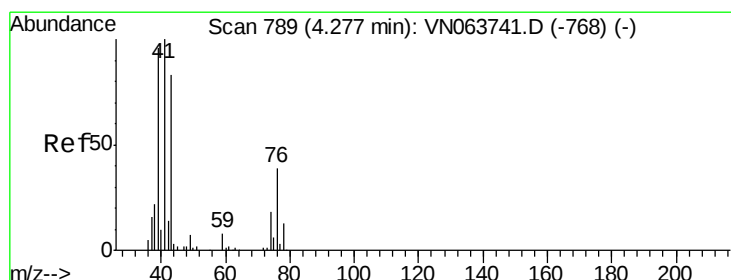
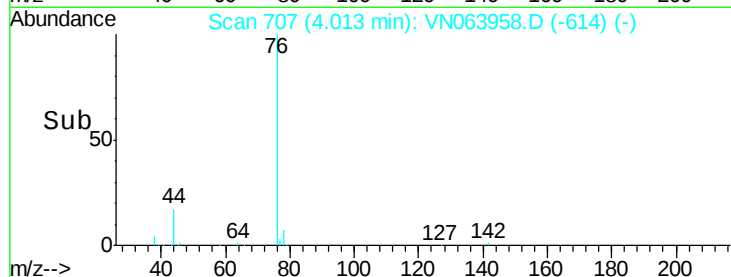
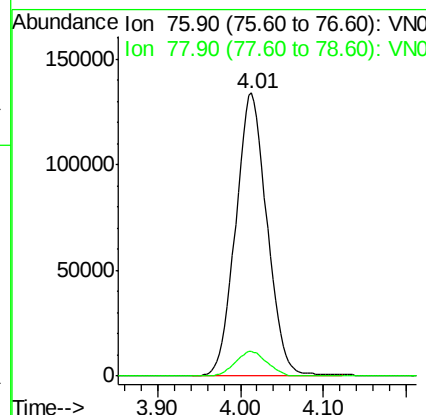
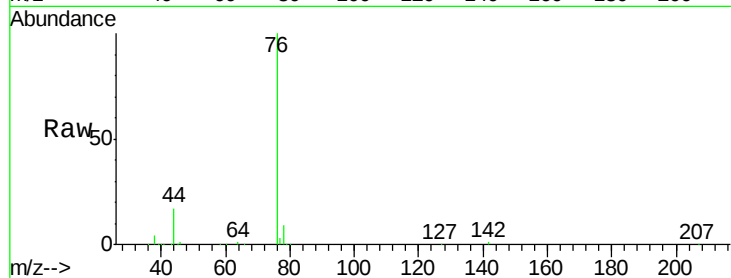
#17  
Carbon Disulfide  
Concen: 44.738 ug/l  
RT: 4.01 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.6   | 7.0   | 10.4  |

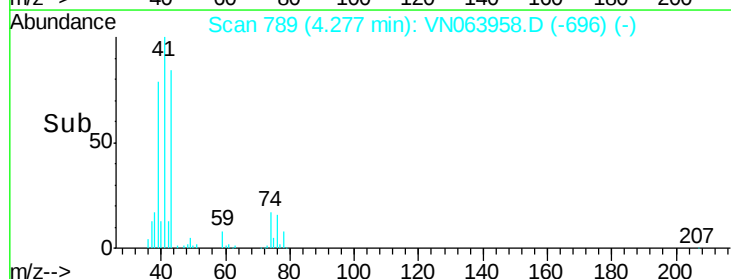
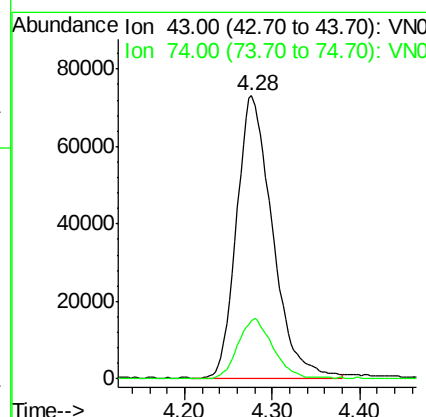
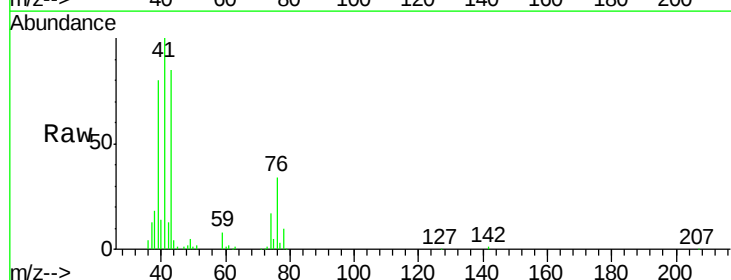
Manual Integrations  
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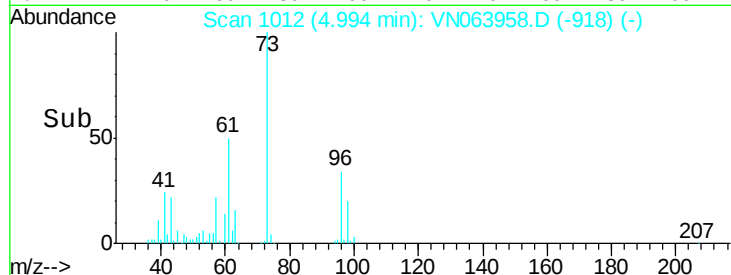
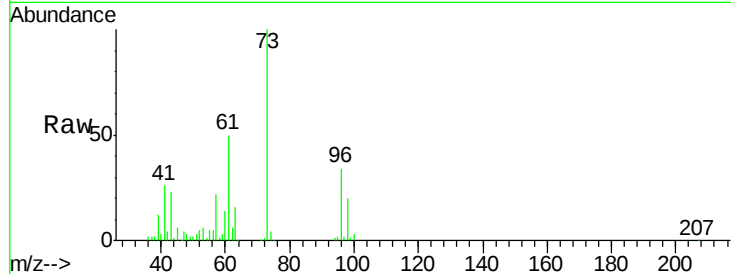
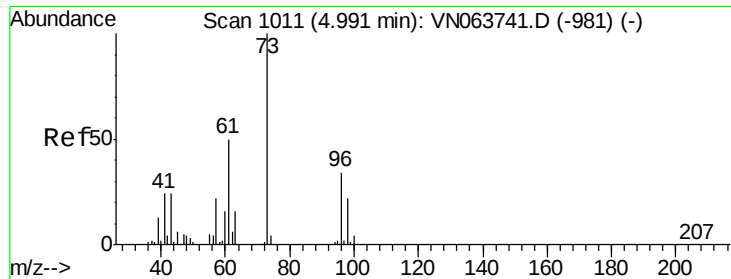
MMDadoda  
10/8/2020 10:09:22 AM



#18  
Methyl Acetate  
Concen: 53.934 ug/l  
RT: 4.28 min Scan# 789  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.9  | 17.4  | 26.2  |





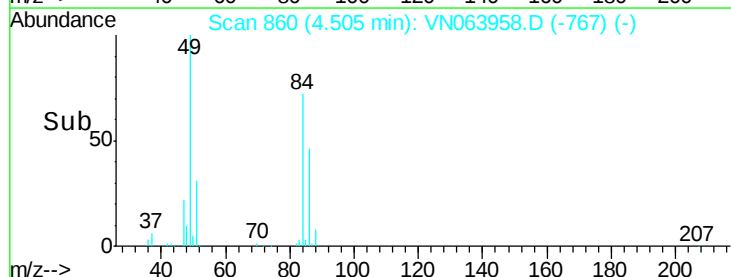
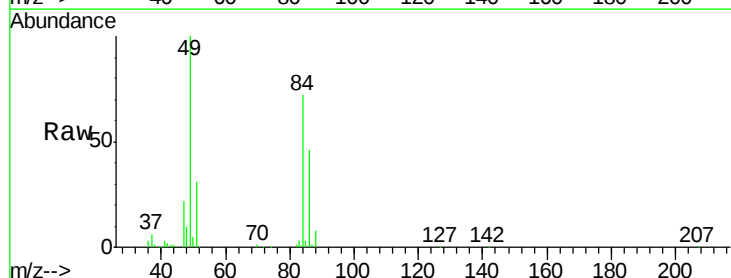
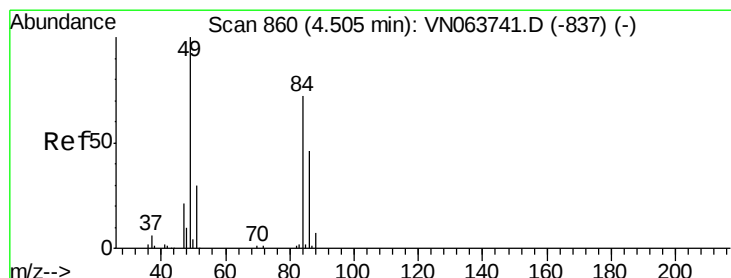
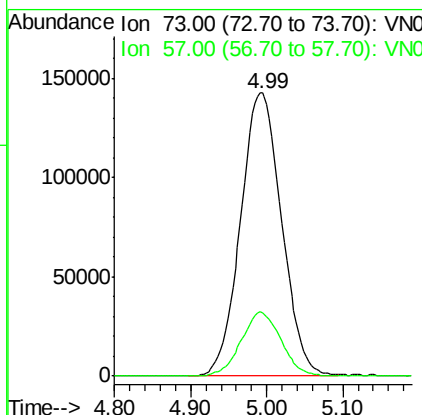
#19  
Methyl tert-butyl Ether  
Concen: 50.280 ug/l  
RT: 4.99 min Scan# 1012  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Tot Ion: 73 Resp: 535434  
Ion Ratio Lower Upper  
73 100  
57 22.4 17.6 26.4

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

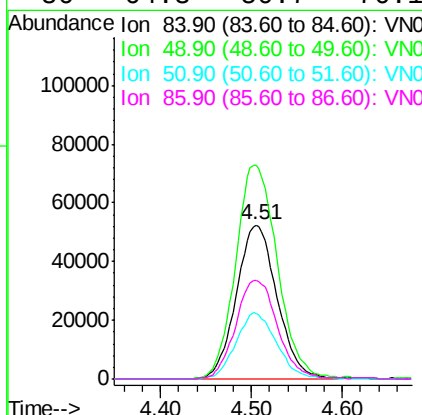
Manual Integrations  
APPROVED

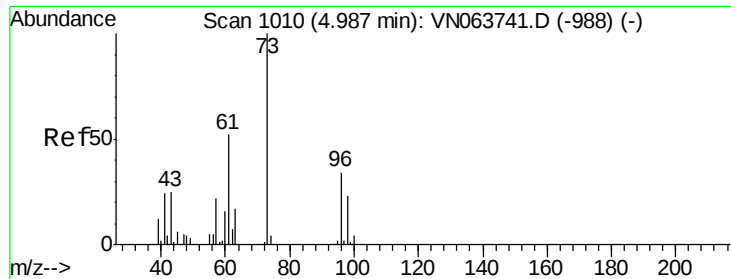
MMDadoda  
10/8/2020 10:09:22 AM



#20  
Methylene Chloride  
Concen: 48.154 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Tgt Ion: 84 Resp: 163261  
Ion Ratio Lower Upper  
84 100  
49 138.8 110.4 165.6  
51 42.8 33.3 49.9  
86 64.3 50.7 76.1





#21

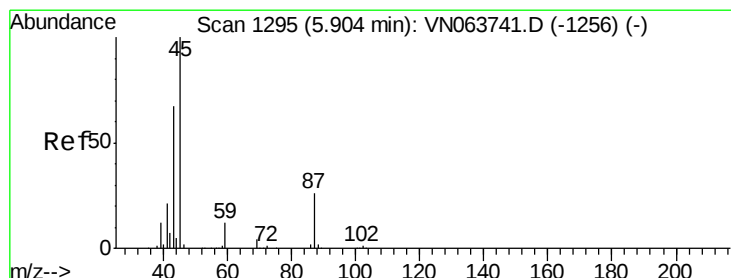
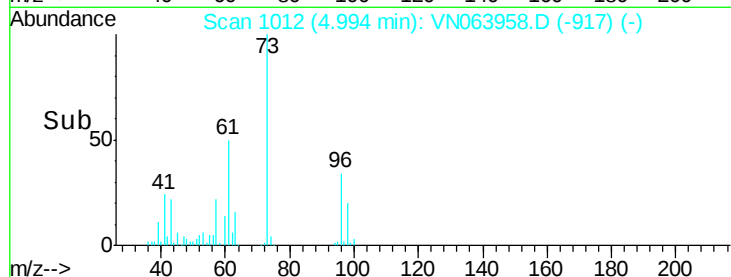
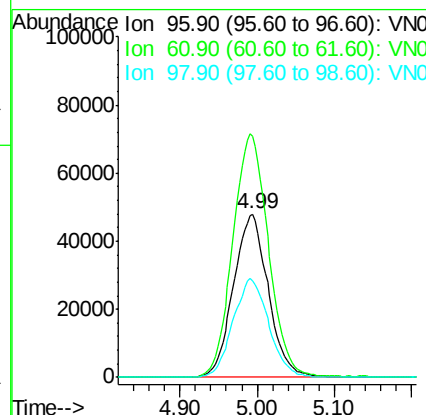
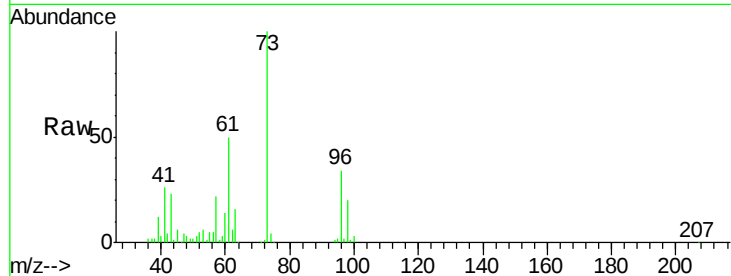
trans-1,2-Dichloroethene  
Concen: 45.736 ug/l  
RT: 4.99 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.9 | 120.2 | 180.2 |
| 98      | 59.4  | 52.6  | 79.0  |

Manual Integrations  
APPROVED

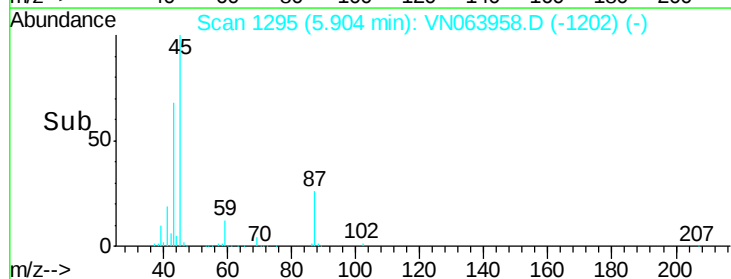
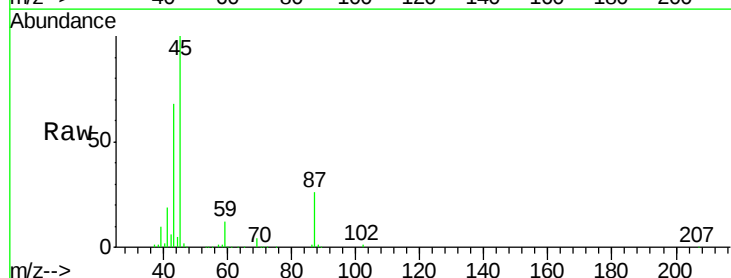
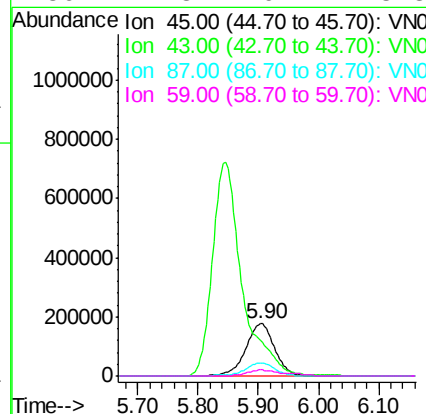
MMDadoda  
10/8/2020 10:09:22 AM

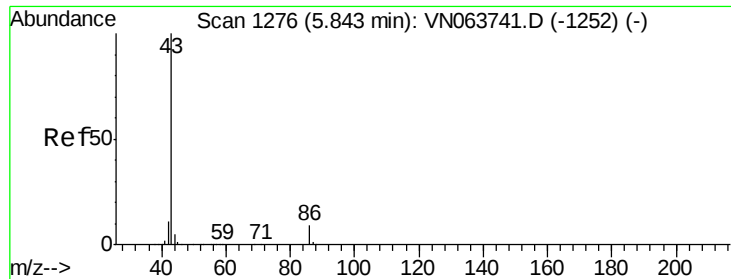


#22

Diisopropyl ether  
Concen: 53.132 ug/l  
RT: 5.90 min Scan# 1295  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 66.5  | 53.7  | 80.5  |
| 87      | 25.7  | 21.1  | 31.7  |
| 59      | 11.8  | 9.2   | 13.8  |





#23

Vinyl Acetate

Concen: 262.753 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2438530

Ion Ratio Lower Upper

43 100

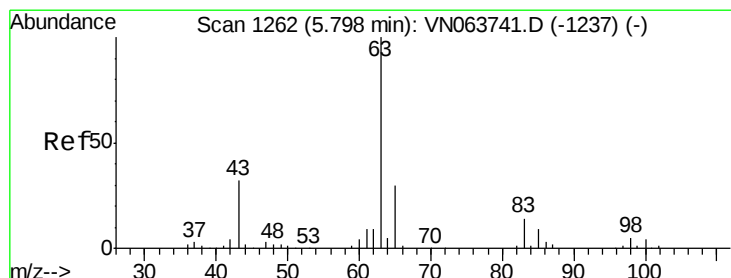
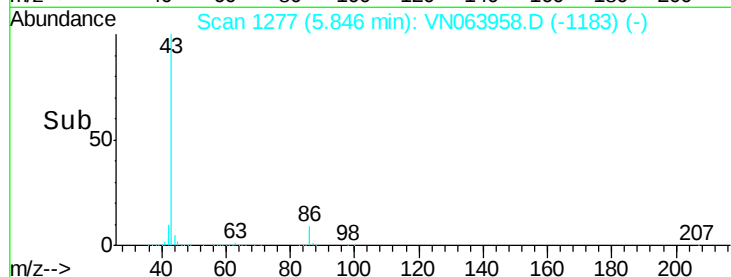
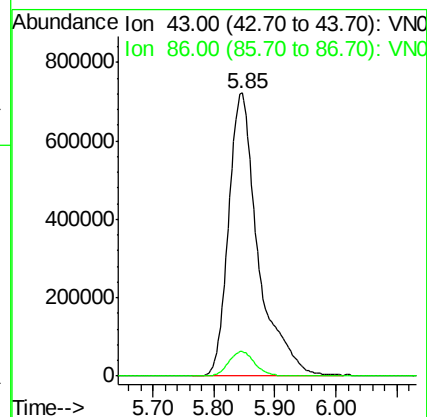
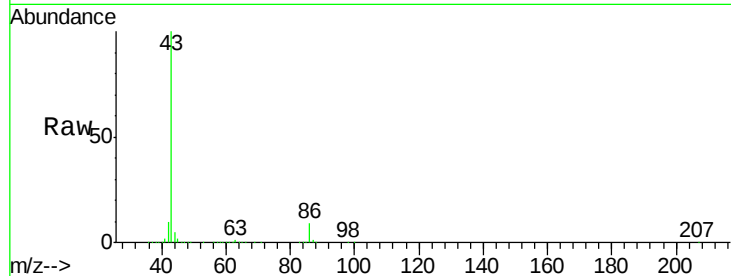
86 8.7 7.3 10.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.673 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

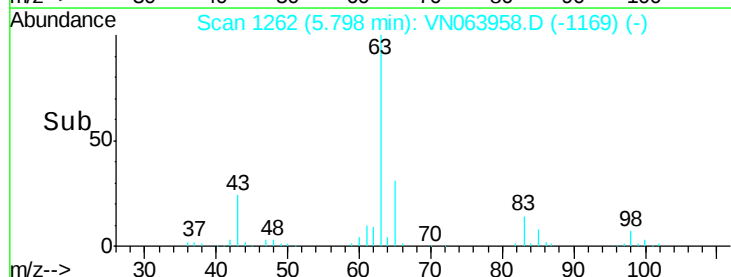
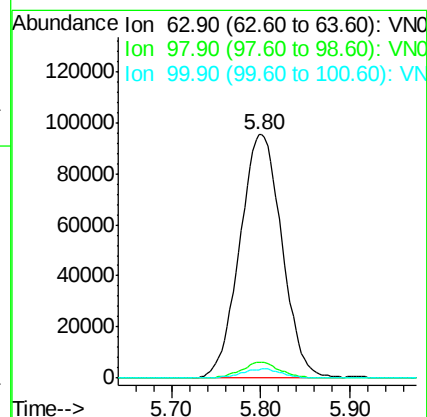
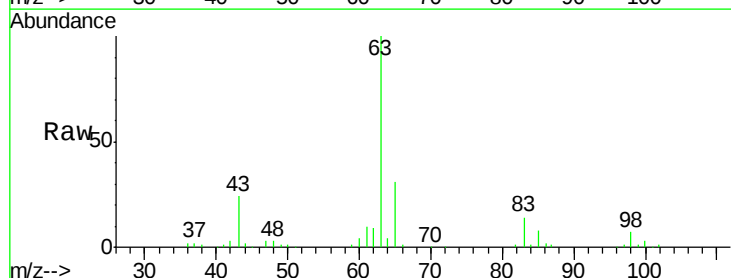
Tgt Ion: 63 Resp: 311801

Ion Ratio Lower Upper

63 100

98 6.7 2.7 8.1

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 272.449 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 571797

Ion Ratio Lower Upper

43 100

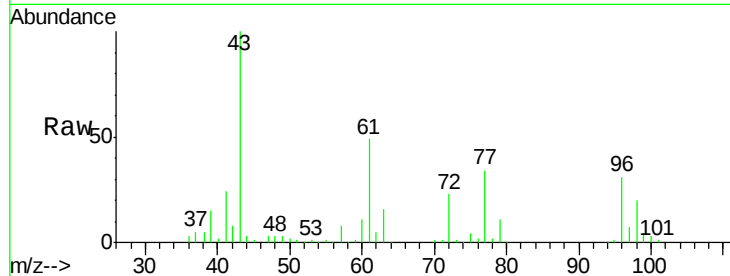
72 23.2 19.3 28.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

200000

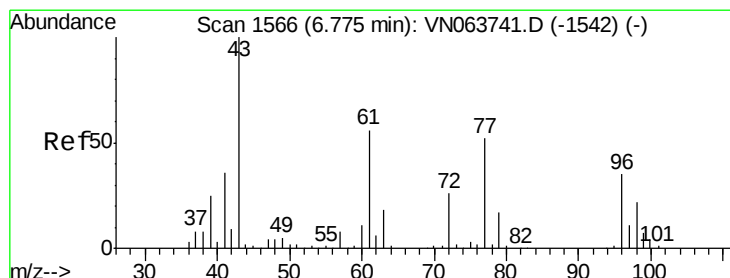
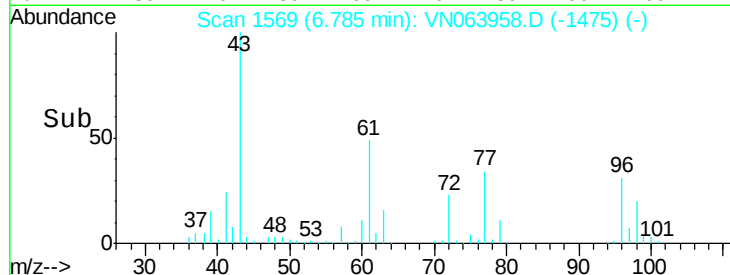
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 38.407 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063958.D

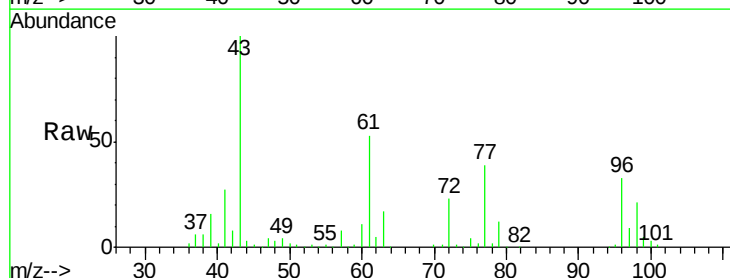
Acq: 7 Oct 2020 21:19

Tgt Ion: 77 Resp: 225310

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.78

80000

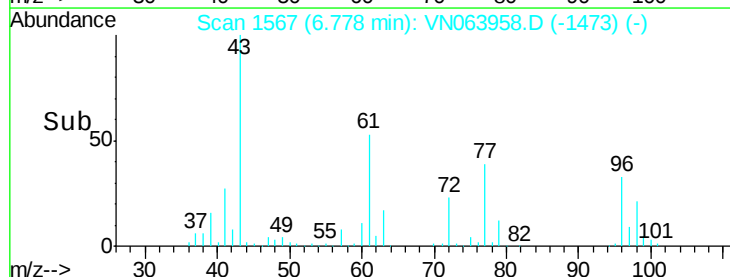
60000

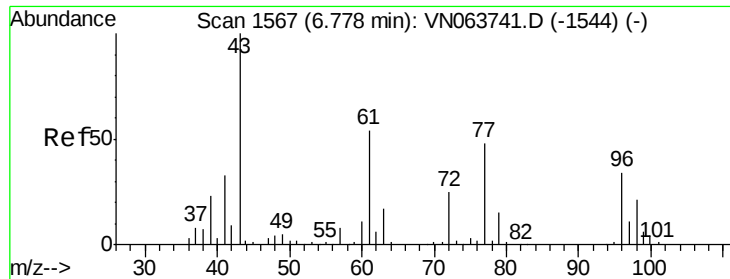
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.282 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

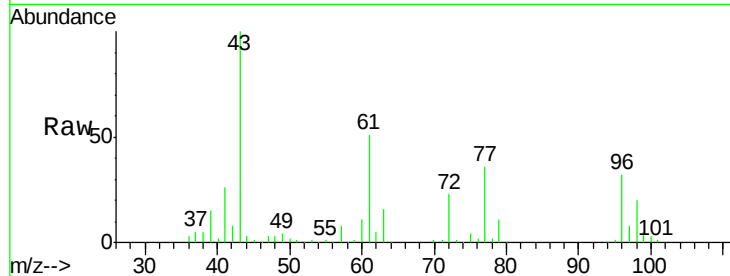
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 178532 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 159.9 | 0.0   | 321.2  |
| 98       | 65.2  | 0.0   | 124.4  |

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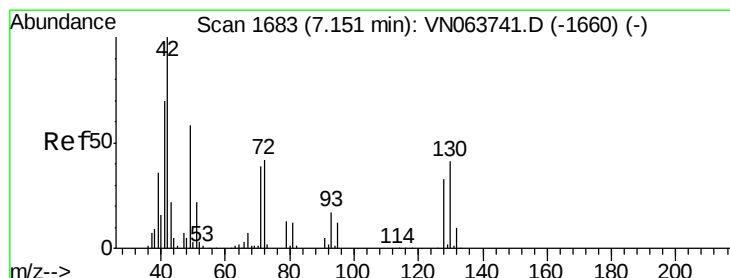
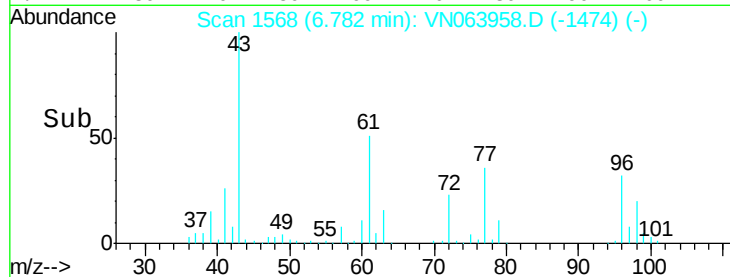
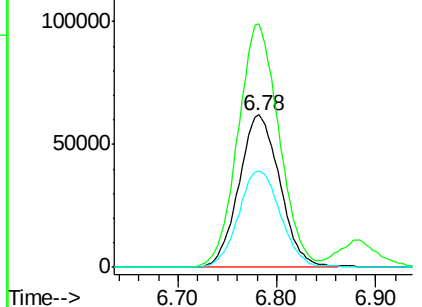
MMDadoda  
10/8/2020 10:09:22 AM



Abundance Ion 95.90 (95.60 to 96.60): VN063741.D (-1544) (-)

Ion 60.90 (60.60 to 61.60): VN063741.D (-1544) (-)

Ion 97.90 (97.60 to 98.60): VN063741.D (-1544) (-)



#28

Bromochloromethane

Concen: 49.440 ug/l

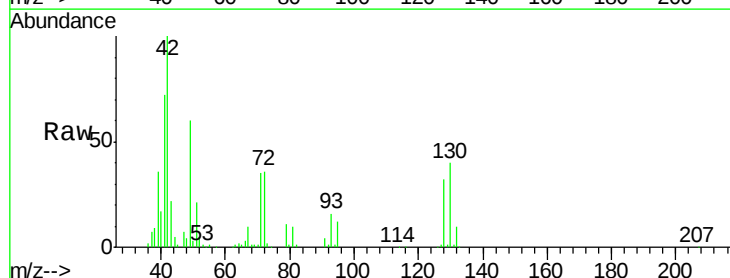
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

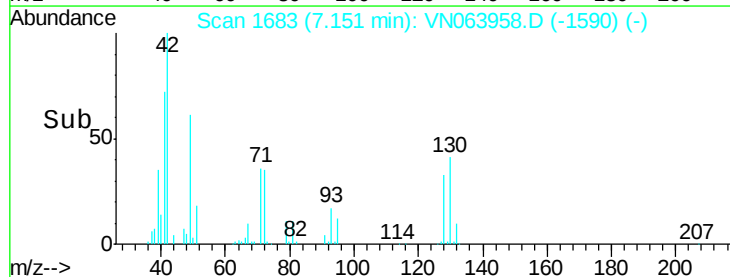
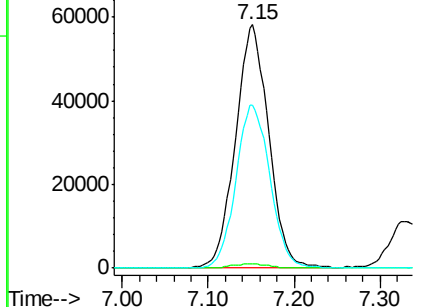
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 156533 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.0   | 0.0   | 4.8    |
| 130      | 68.5  | 55.6  | 83.4   |

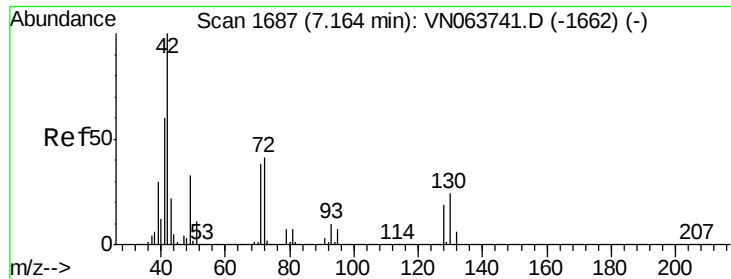


Abundance Ion 48.90 (48.60 to 49.60): VN063741.D (-1660) (-)

Ion 128.80 (128.50 to 129.50): VN063741.D (-1660) (-)

Ion 129.80 (129.50 to 130.50): VN063741.D (-1660) (-)





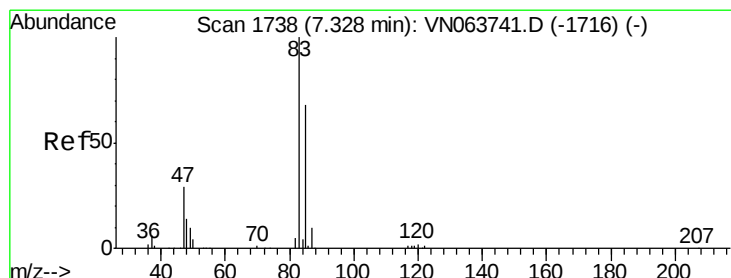
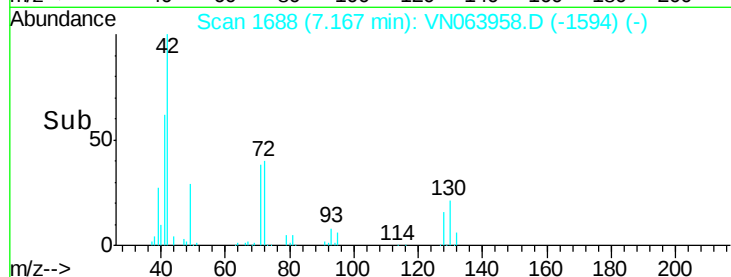
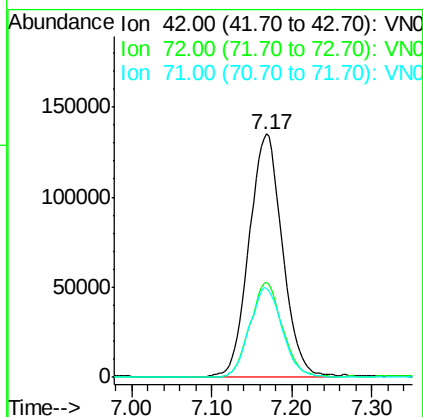
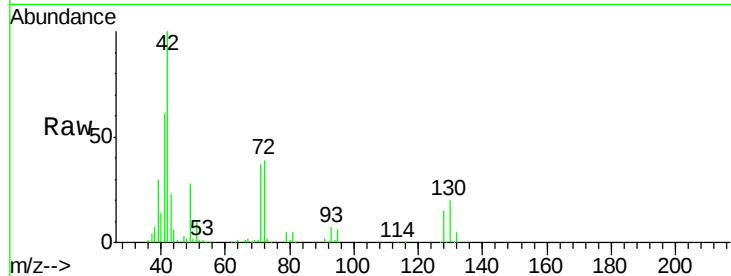
#29  
Tetrahydrofuran  
Concen: 273.045 ug/l  
RT: 7.17 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 38.1  | 32.8  | 49.2  |
| 71      | 36.1  | 30.6  | 45.8  |

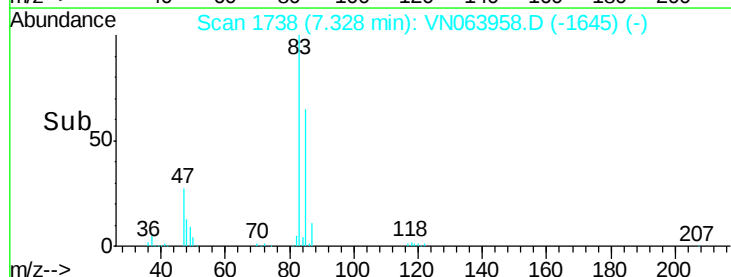
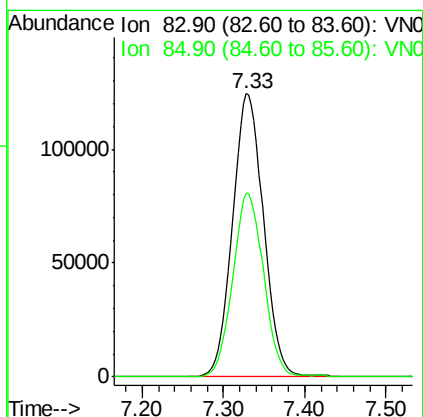
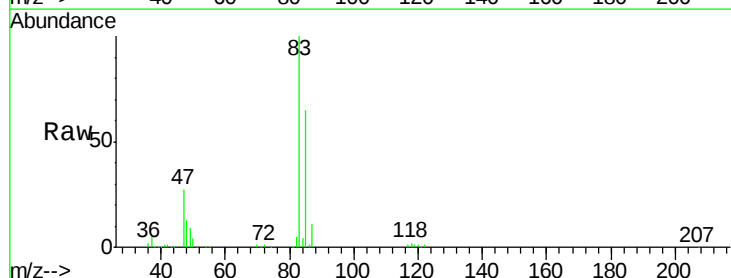
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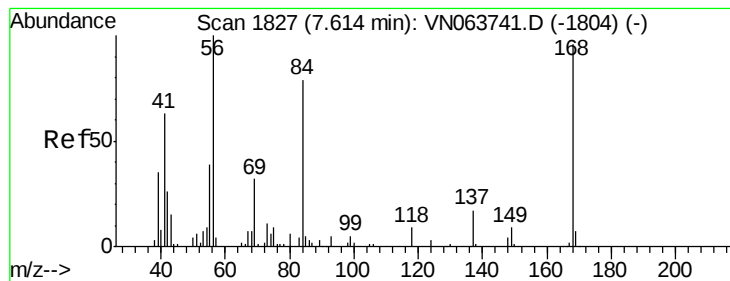
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#30  
Chloroform  
Concen: 49.292 ug/l  
RT: 7.33 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.0  | 54.6  | 82.0  |





#31

Cyclohexane

Concen: 43.516 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

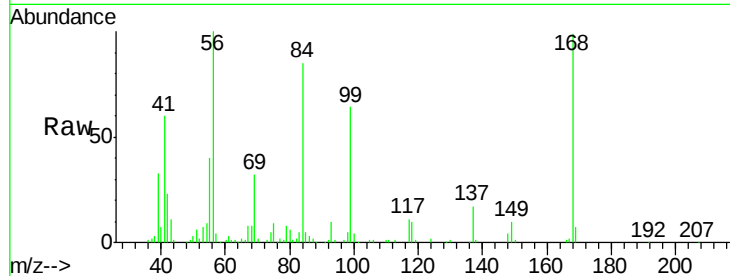
ClientSampleId :

VSTDCCC050EC

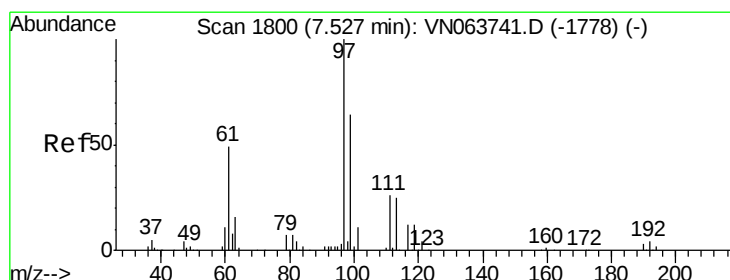
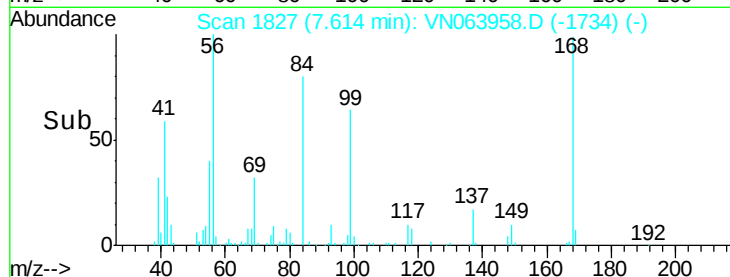
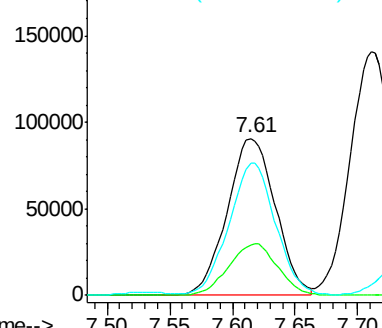
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 242940 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.9  | 25.4  | 38.2   |
| 84        | 82.9  | 63.3  | 94.9   |

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Abundance Ion 56.00 (55.70 to 56.70): VN063958.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 49.302 ug/l

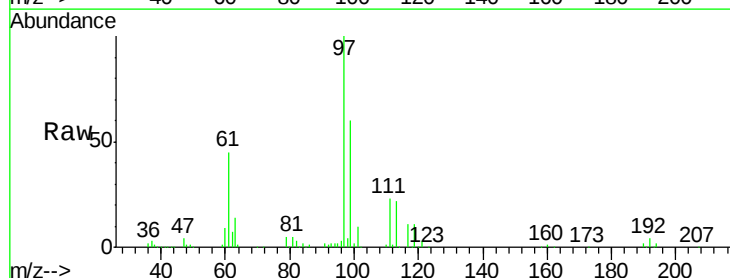
RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

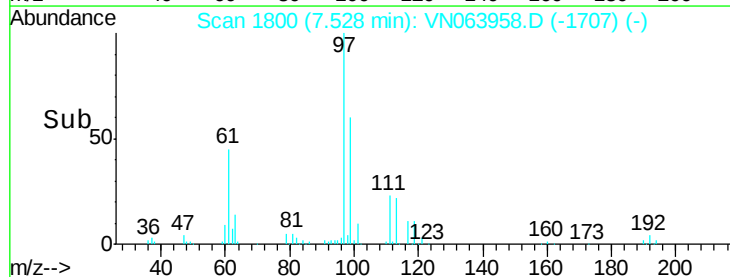
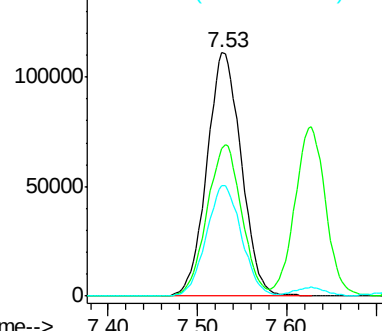
Lab File: VN063958.D

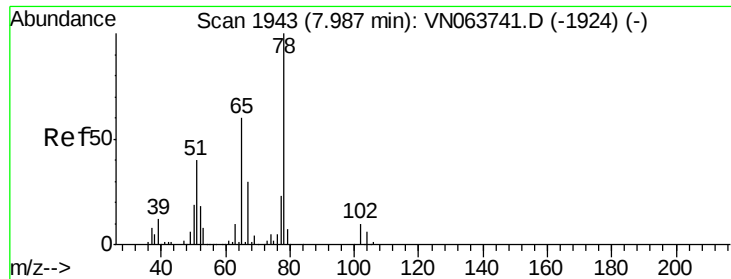
Acq: 7 Oct 2020 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 297026 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 62.6  | 51.0  | 76.6   |
| 61        | 46.4  | 38.7  | 58.1   |



Abundance Ion 96.90 (96.60 to 97.60): VN063958.D (-1707) (-)





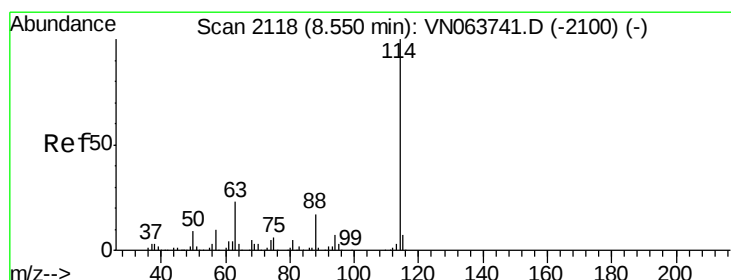
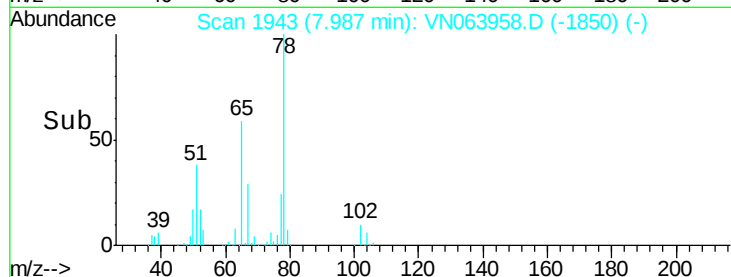
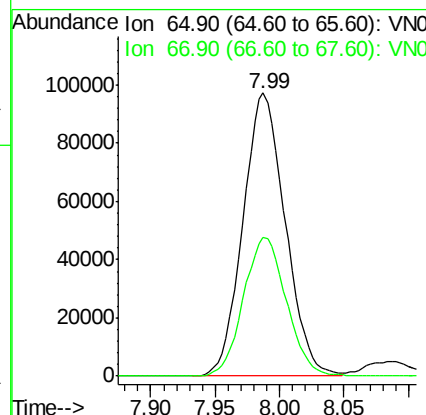
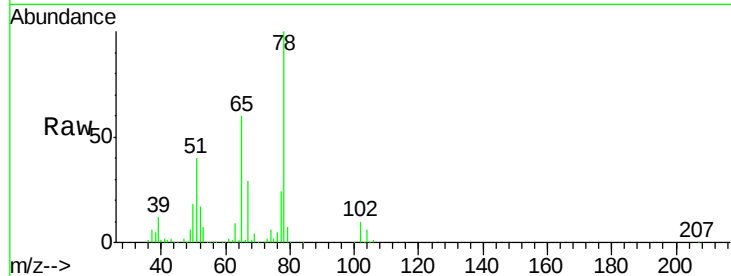
#33  
 1,2-Dichloroethane-d4  
 Concen: 46.219 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 222261 |       |       |
| 67      | 49.9  | 0.0    | 99.6  |       |

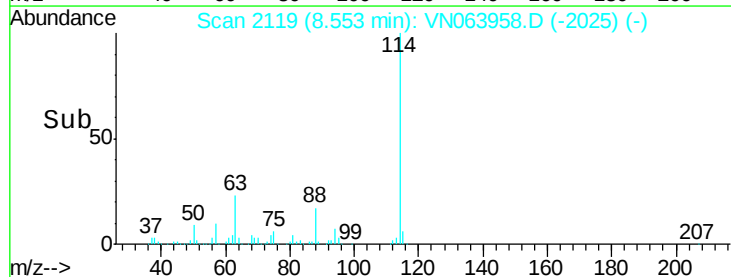
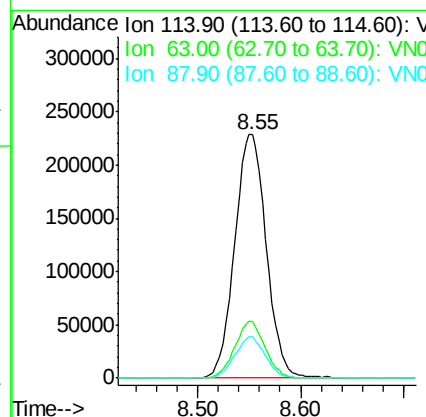
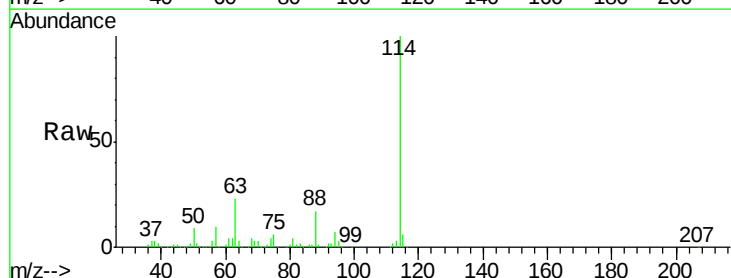
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 487414 |       |       |
| 63      | 23.1  | 0.0    | 45.0  |       |
| 88      | 16.9  | 0.0    | 34.0  |       |





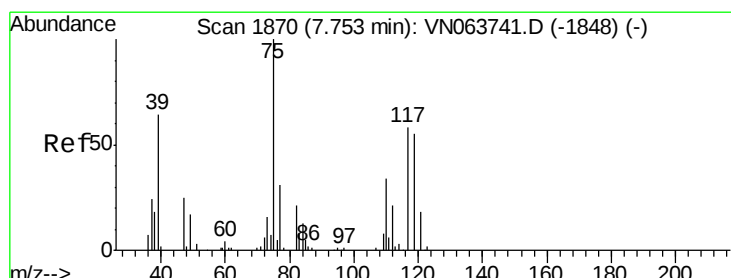
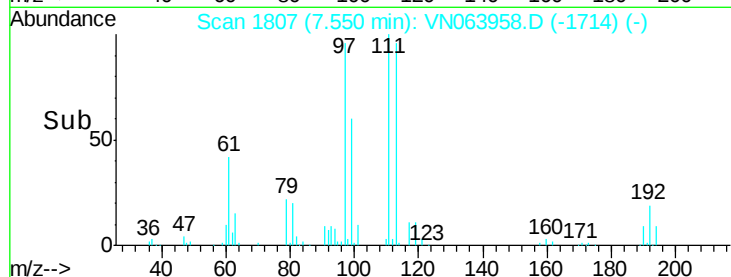
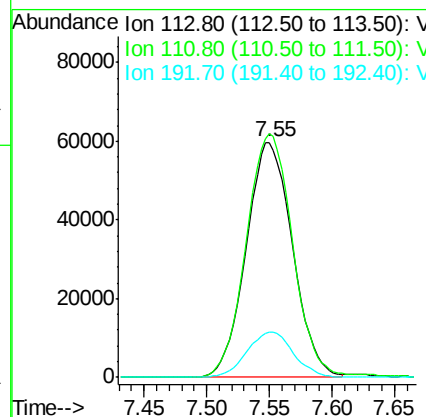
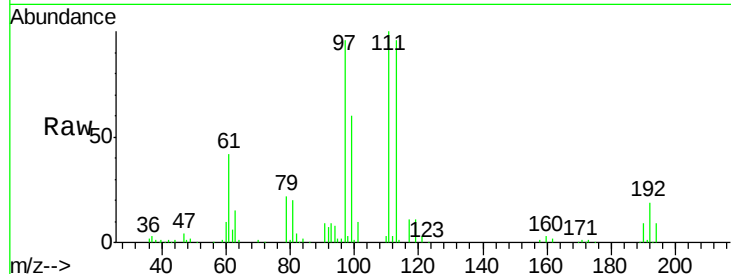
#35  
Dibromofluoromethane  
Concen: 45.221 ug/l  
RT: 7.55 min Scan# 1807  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 152939 |       |       |
| 111     | 104.7 | 81.8   | 122.8 |       |
| 192     | 19.4  | 14.2   | 21.2  |       |

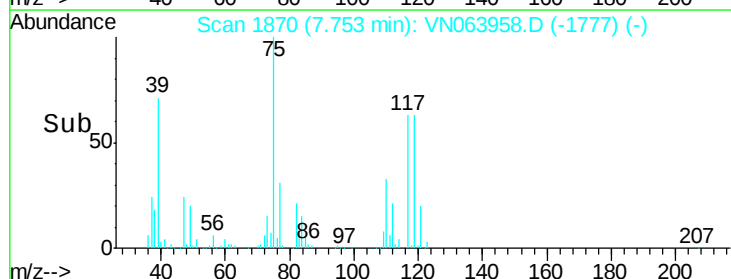
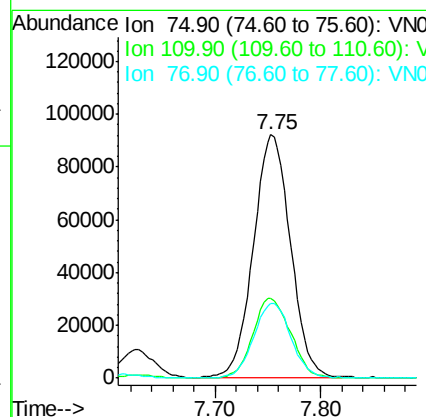
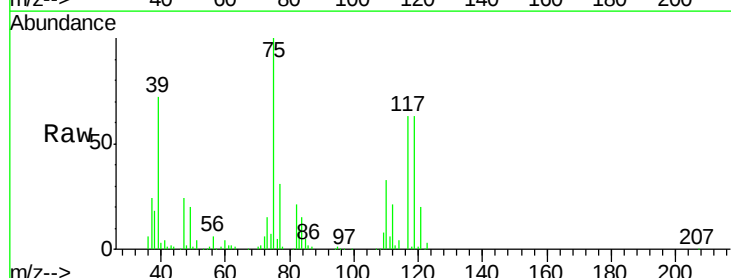
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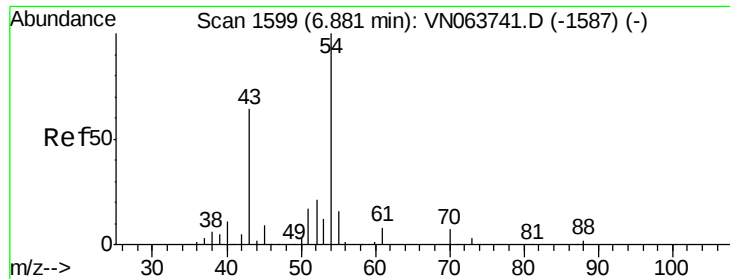
MMDadoda  
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#36  
1,1-Dichloropropene  
Concen: 45.526 ug/l  
RT: 7.75 min Scan# 1870  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 224805 |       |       |
| 110     | 33.5  | 16.9   | 50.6  |       |
| 77      | 31.3  | 24.5   | 36.7  |       |





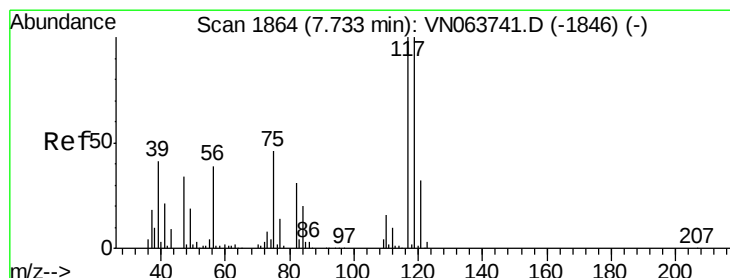
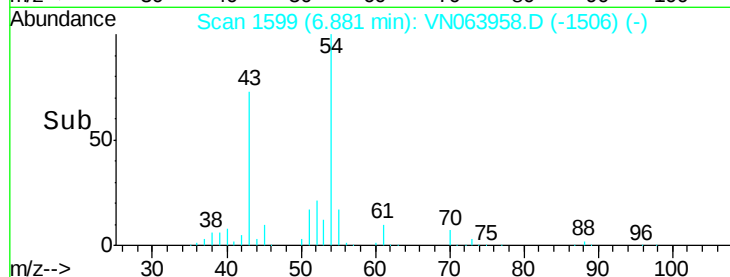
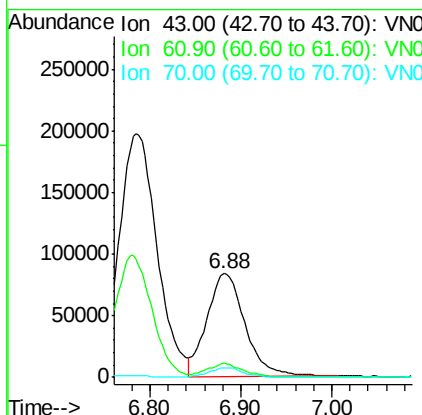
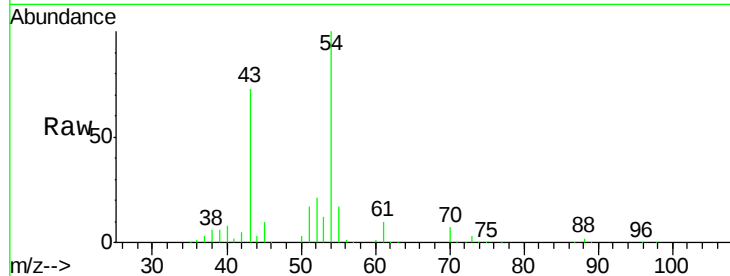
#37  
Ethyl Acetate  
Concen: 49.644 ug/l  
RT: 6.88 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 43  | 61   | 70   |
|---------|-----|------|------|
| Ratio   | 100 | 12.7 | 8.1  |
| Lower   |     | 10.4 | 7.3  |
| Upper   |     | 15.6 | 10.9 |

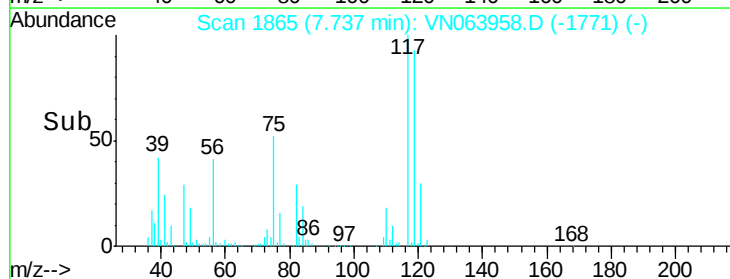
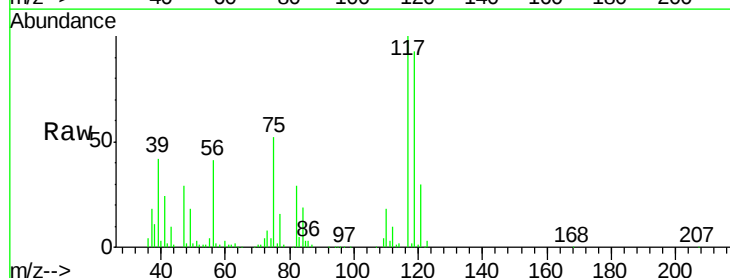
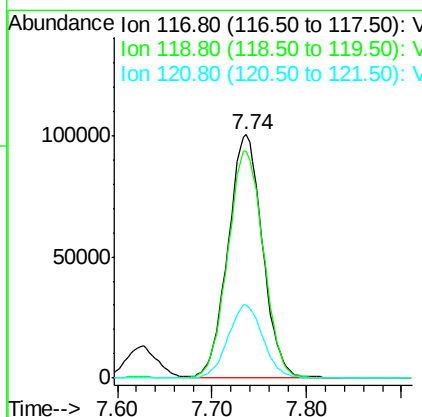
Manual Integrations  
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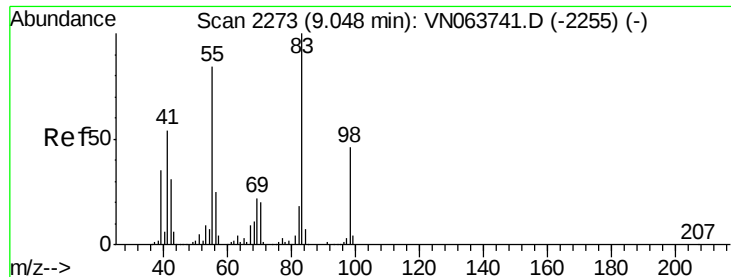
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 45.938 ug/l  
RT: 7.74 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | 117 | 119   | 121  |
|---------|-----|-------|------|
| Ratio   | 100 | 93.0  | 30.3 |
| Lower   |     | 80.1  | 25.7 |
| Upper   |     | 120.1 | 38.5 |





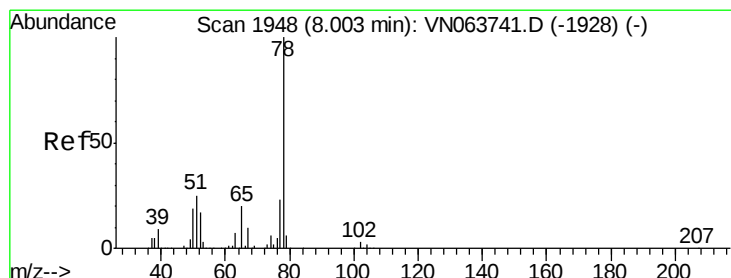
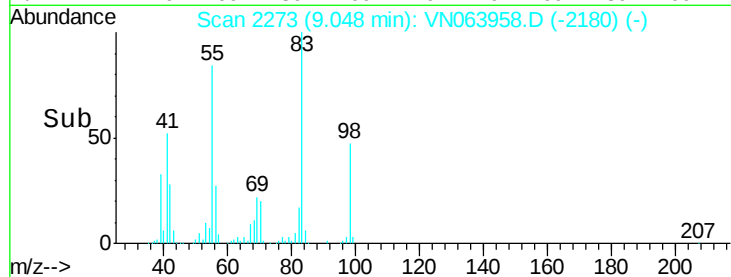
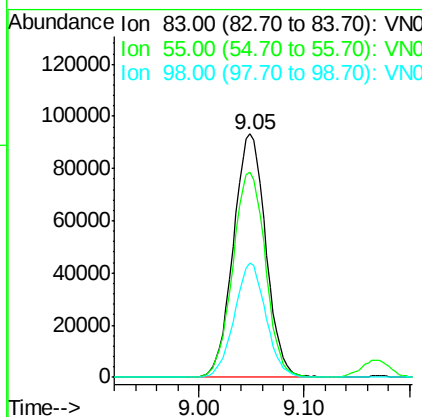
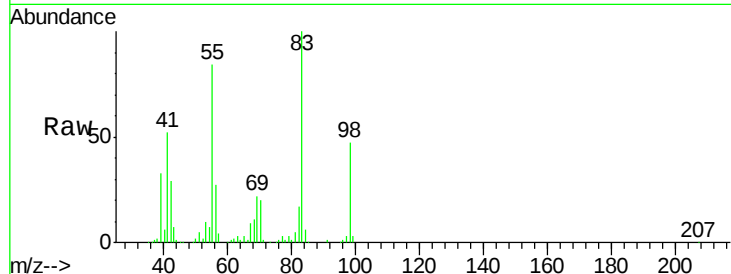
#39  
Methvlcvclohexane  
Concen: 40.312 ug/l  
RT: 9.05 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83    | Resp  | 198507 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 84.1  | 67.1  | 100.7  |
| 98        | 46.8  | 36.6  | 54.8   |

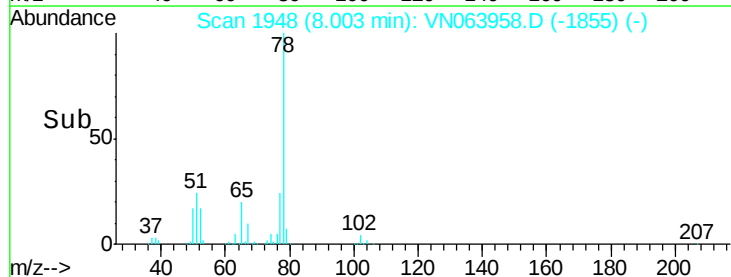
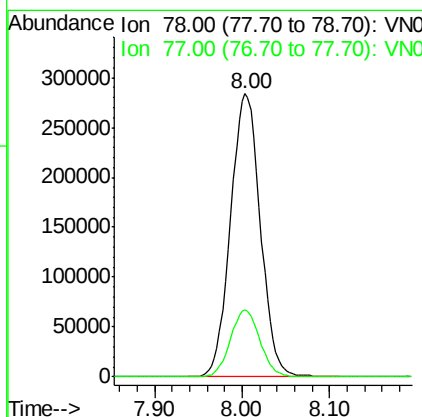
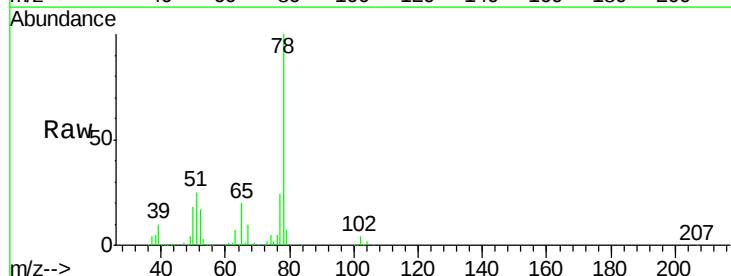
Manual Integrations  
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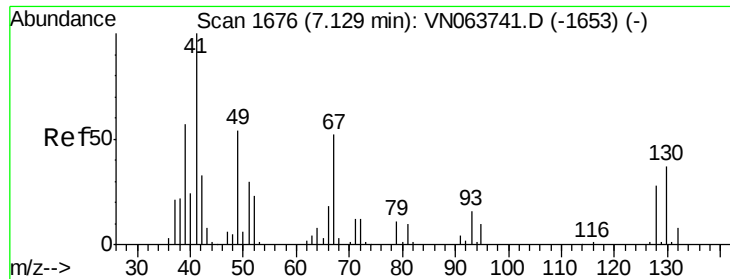
MMDadoda  
10/8/2020 10:09:22 AM



#40  
Benzene  
Concen: 47.655 ug/l  
RT: 8.00 min Scan# 1948  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion   | 78    | Resp  | 672133 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.9  | 18.7  | 28.1   |





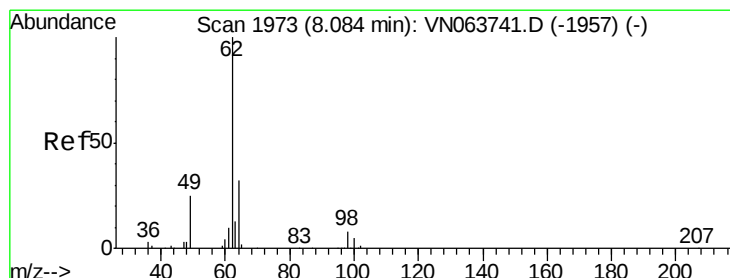
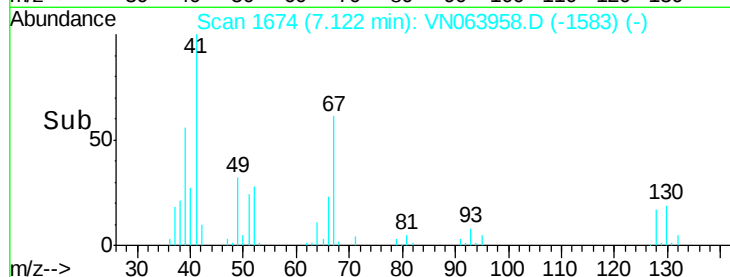
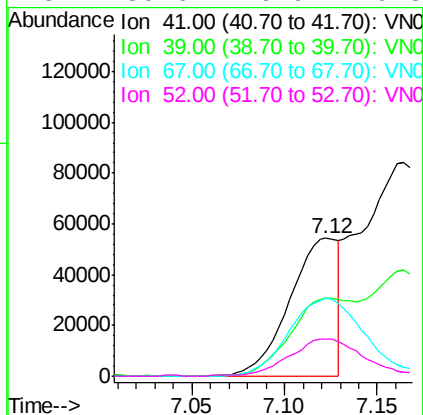
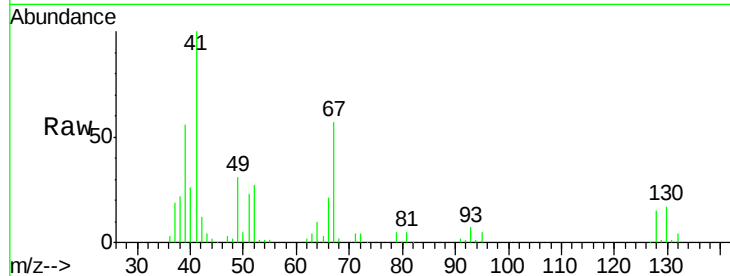
#41  
Methacrylonitrile  
Concen: 45.208 ug/l  
RT: 7.12 min Scan# 1674  
Delta R.T. -0.01 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 41    | Resp  | 98571 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 39        | 72.5  | 42.5  | 63.7# |
| 67        | 88.5  | 57.4  | 86.2# |
| 52        | 39.6  | 26.9  | 40.3  |

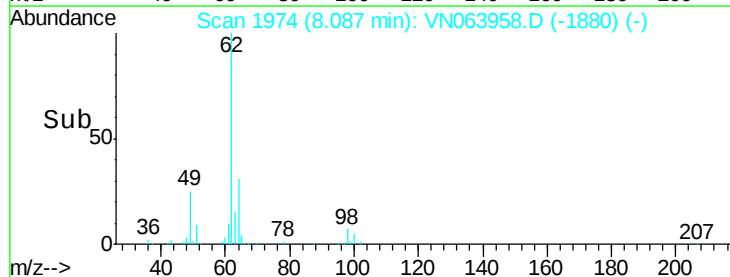
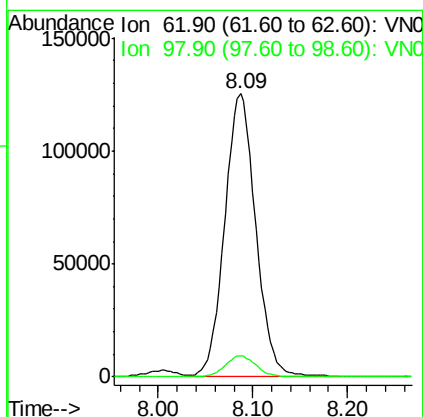
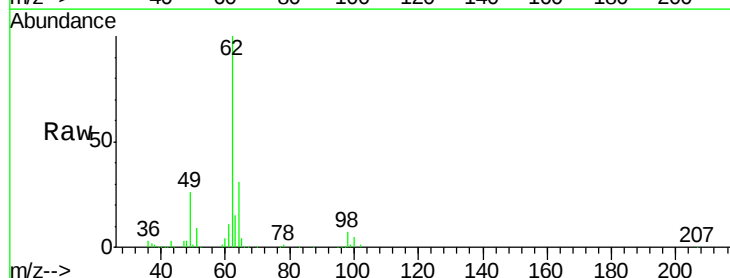
Manual Integrations  
APPROVED

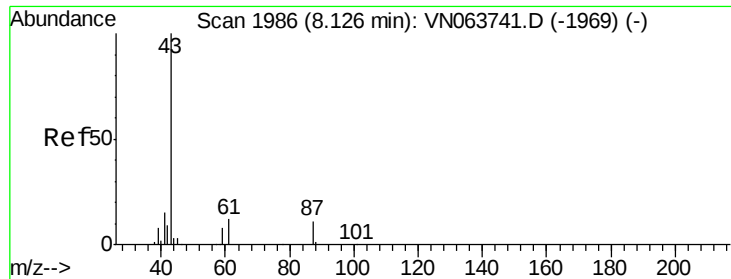
MMDadoda  
10/8/2020 10:09:22 AM



#42  
1,2-Dichloroethane  
Concen: 47.251 ug/l  
RT: 8.09 min Scan# 1974  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion   | 62    | Resp  | 284475 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 7.4   | 0.0   | 15.0   |





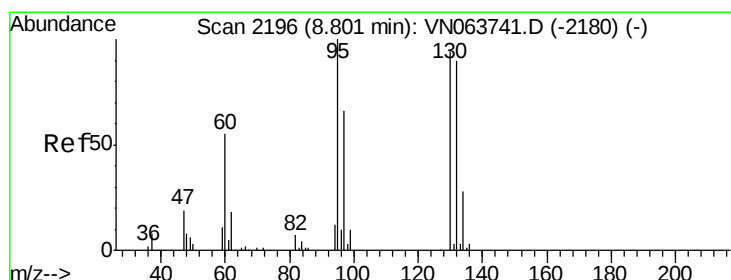
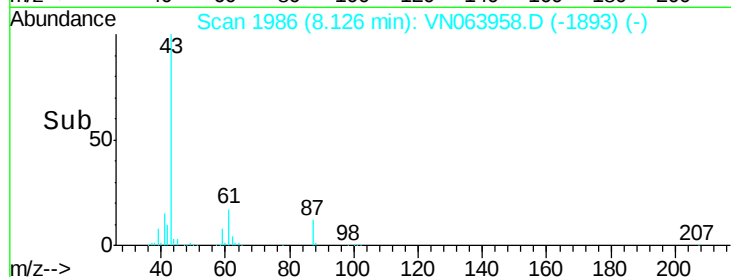
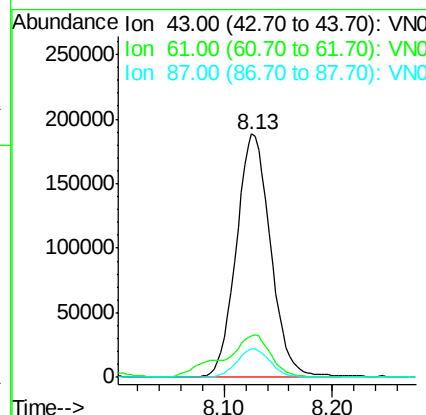
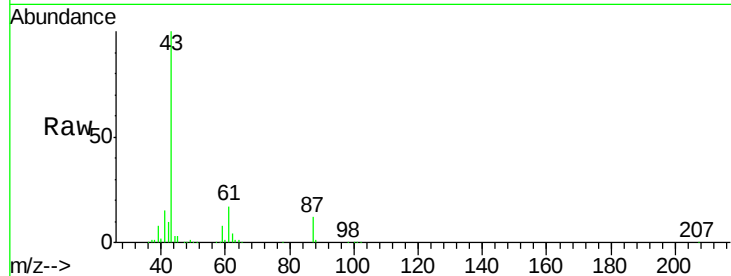
#43  
Isopropyl Acetate  
Concen: 51.412 ug/l  
RT: 8.13 min Scan# 1986  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.9  | 14.2  | 21.4  |
| 87      | 11.6  | 9.0   | 13.6  |

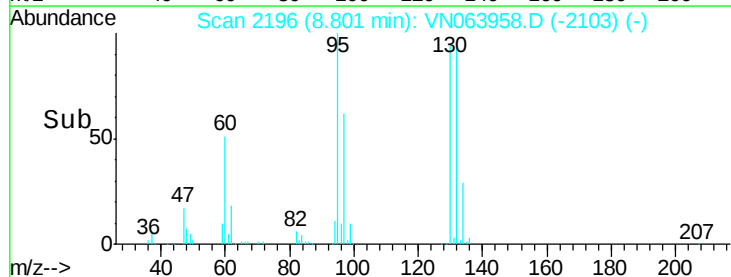
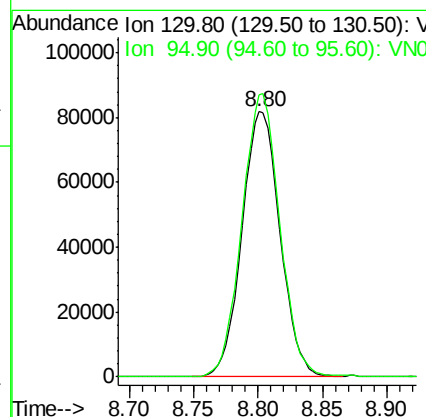
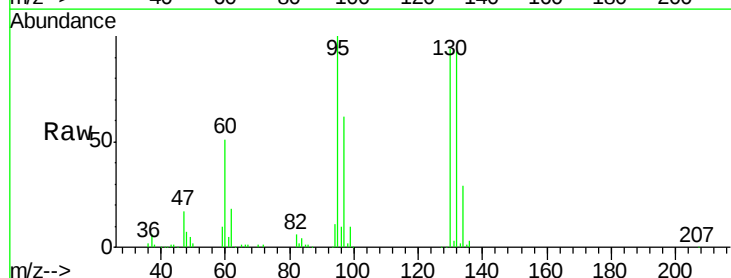
Manual Integrations  
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10/8/2020 10:09:22 AM



#44  
Trichloroethene  
Concen: 45.462 ug/l  
RT: 8.80 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 106.4 | 0.0   | 213.6 |





#45

1,2-Dichloropropane

Concen: 48.413 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 184409

Ion Ratio Lower Upper

63 100

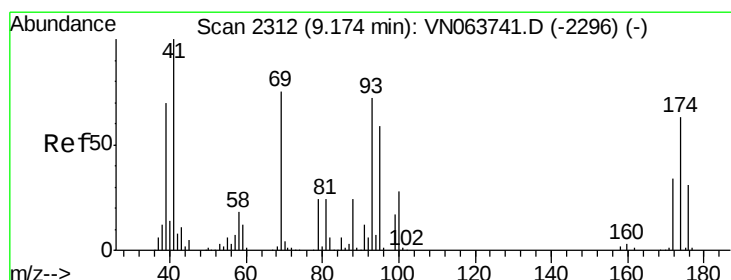
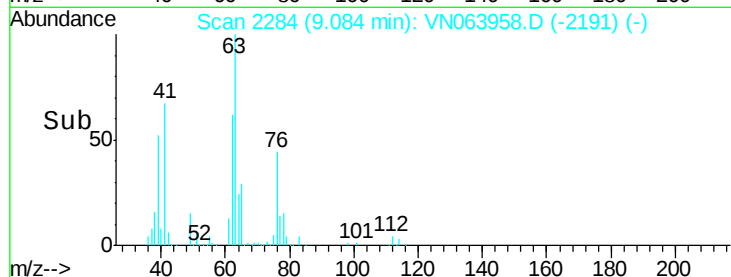
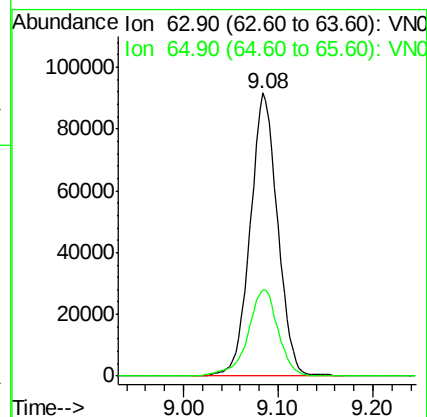
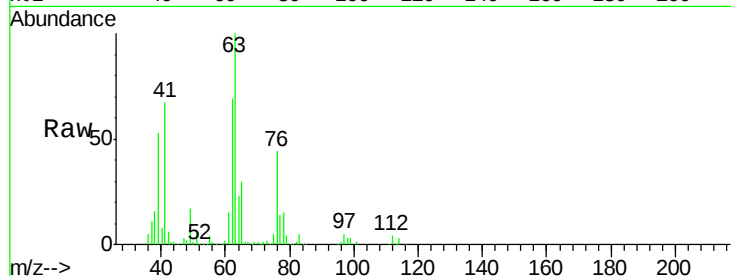
65 30.4 24.7 37.1

Manual Integrations

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MMDadoda

10/8/2020 10:09:22 AM



#46

Dibromomethane

Concen: 46.797 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

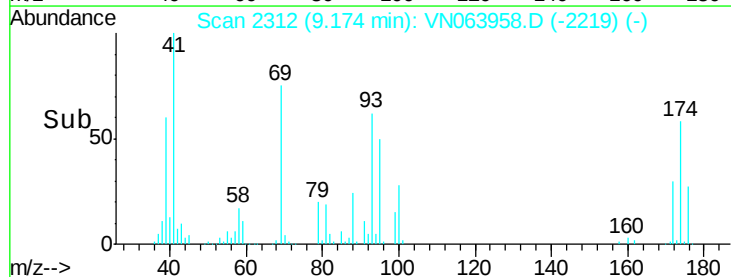
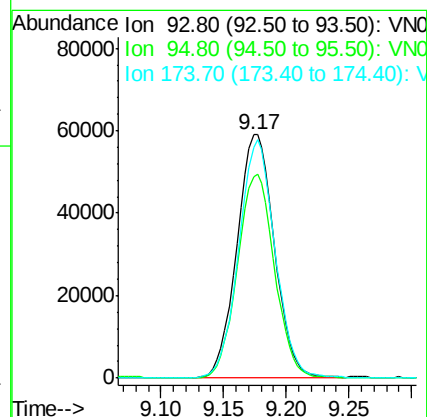
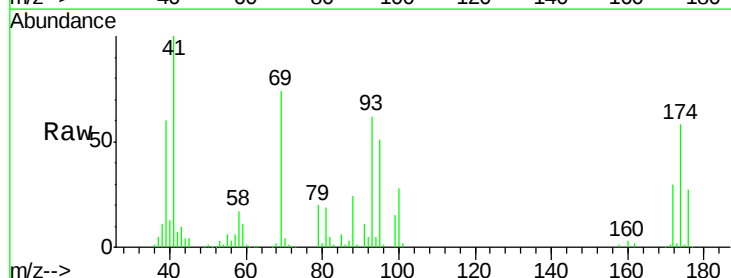
Tgt Ion: 93 Resp: 122969

Ion Ratio Lower Upper

93 100

95 82.9 66.3 99.5

174 94.5 72.7 109.1





#47

Bromodichloromethane

Concen: 49.144 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 266138

Ion Ratio Lower Upper

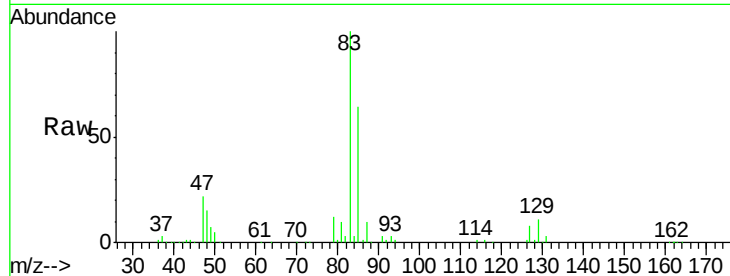
83 100

85 64.4 50.6 75.8

127 8.0 6.6 9.8

Manual Integrations  
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Abundance Ion 82.90 (82.60 to 83.60): VN063958.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN063958.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN063958.D (-2280) (-)

9.37

150000

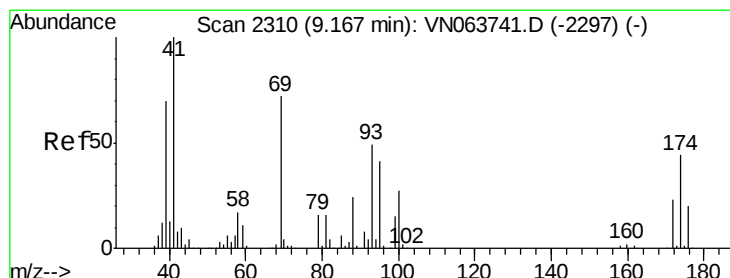
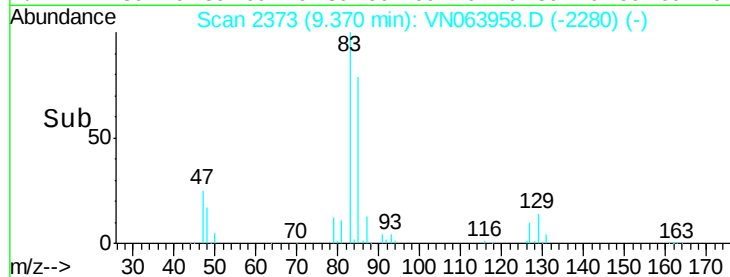
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#48

Methyl methacrylate

Concen: 54.219 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

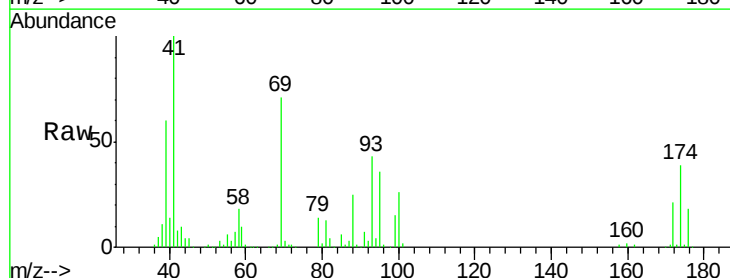
Tgt Ion: 41 Resp: 216770

Ion Ratio Lower Upper

41 100

69 71.6 60.9 91.3

39 61.0 57.5 86.3



Abundance Ion 41.00 (40.70 to 41.70): VN063958.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN063958.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN063958.D (-2217) (-)

9.17

150000

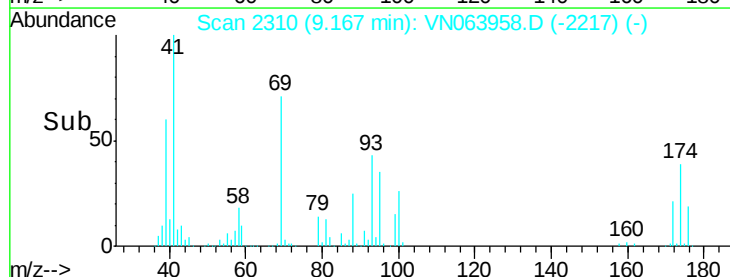
100000

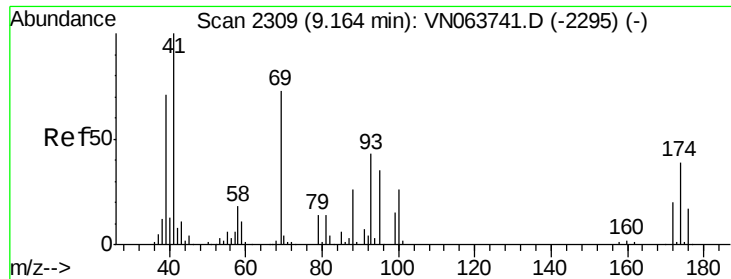
50000

0

9.10 9.15 9.20

Time-->





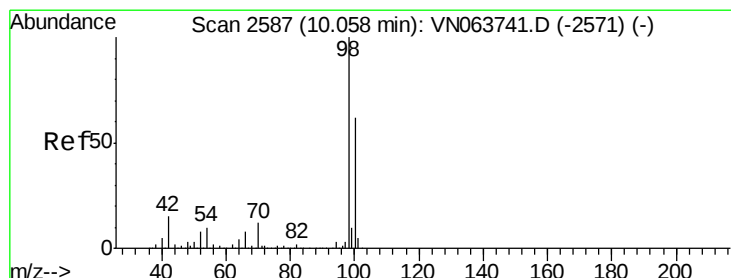
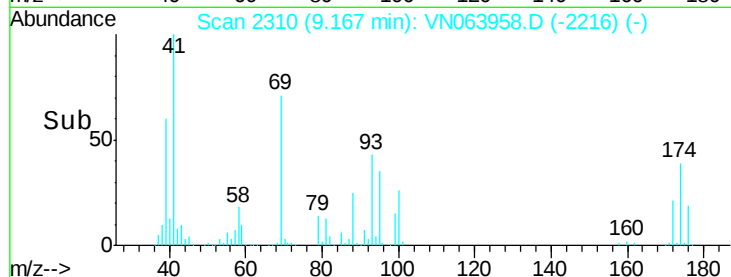
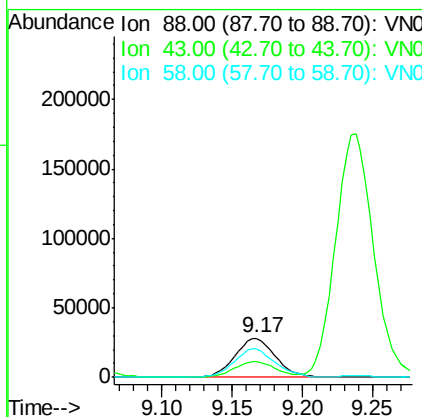
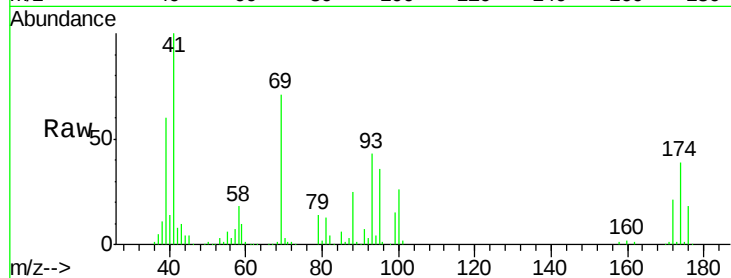
#49  
1,4-Dioxane  
Concen: 992.629 ug/l  
RT: 9.17 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 56402 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 39.7  | 33.1  | 49.7  |
| 58      | 74.6  | 58.9  | 88.3  |

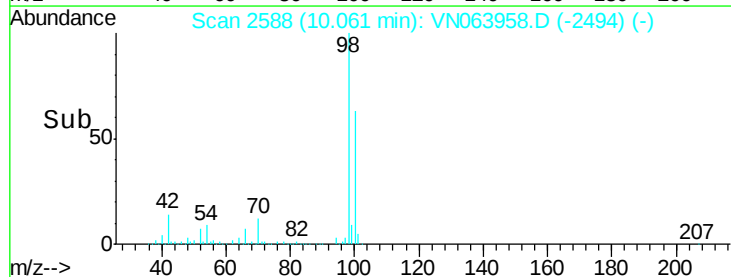
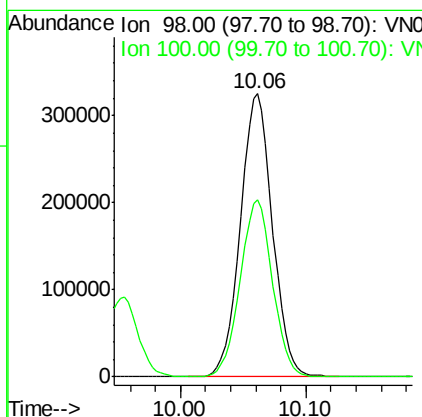
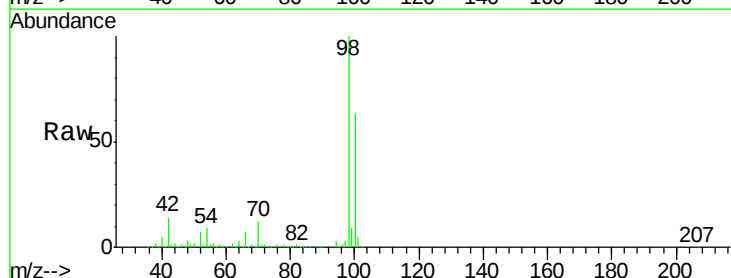
Manual Integrations  
APPROVED

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10/8/2020 10:09:22 AM



#50  
Toluene-d8  
Concen: 45.074 ug/l  
RT: 10.06 min Scan# 2588  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | 98    | Resp  | 577890 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 62.9  | 49.8  | 74.6   |





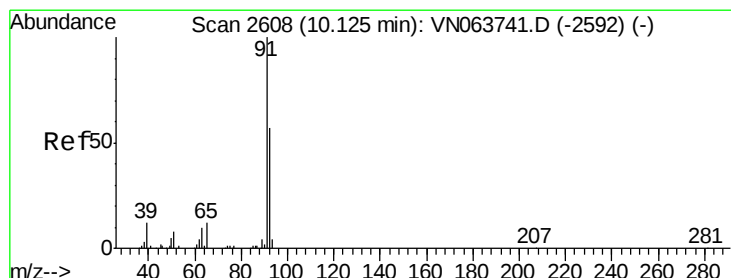
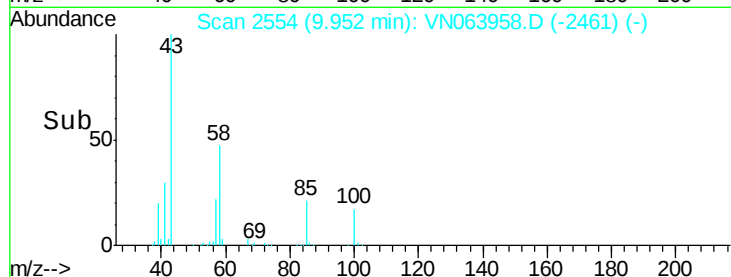
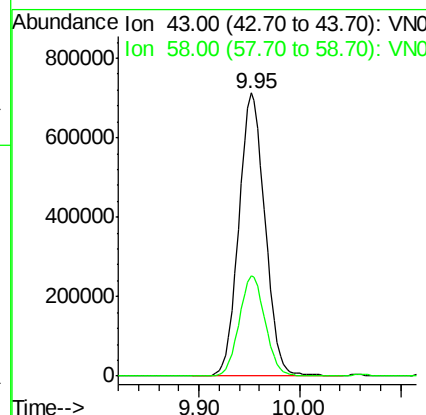
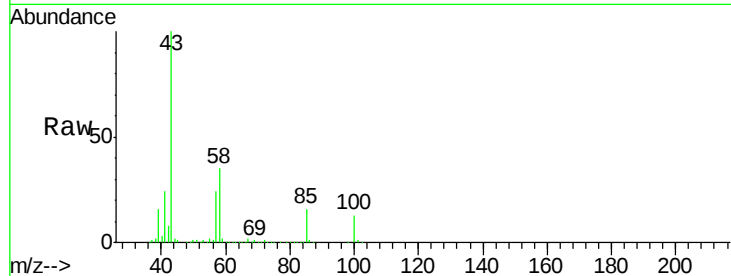
#51  
4-Methyl-2-Pentanone  
Concen: 269.975 ug/l  
RT: 9.95 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1282067  
Ion Ratio Lower Upper  
43 100  
58 35.2 28.4 42.6

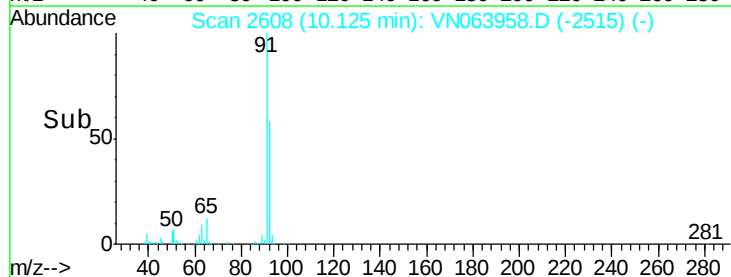
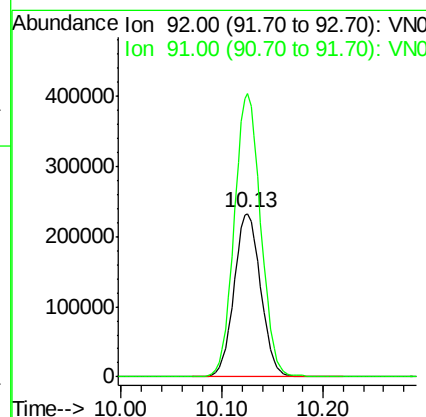
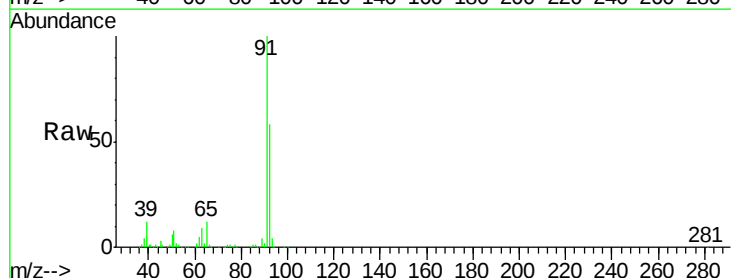
Manual Integrations  
APPROVED

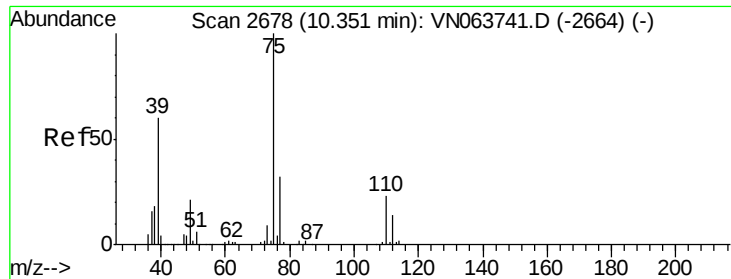
MMDadoda  
10/8/2020 10:09:22 AM



#52  
Toluene  
Concen: 49.084 ug/l  
RT: 10.13 min Scan# 2608  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Tgt Ion: 92 Resp: 428207  
Ion Ratio Lower Upper  
92 100  
91 172.6 140.6 210.8





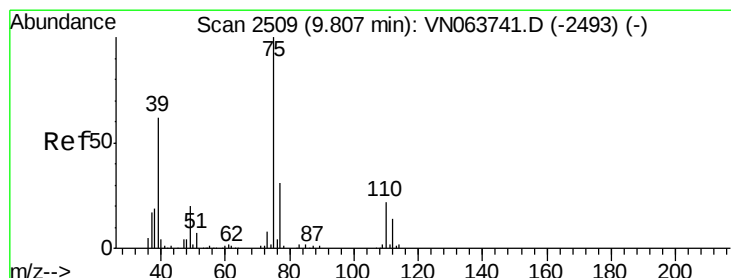
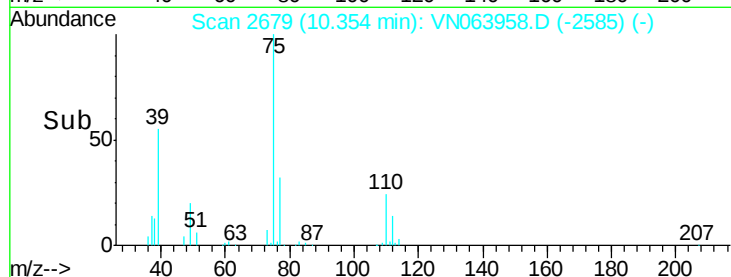
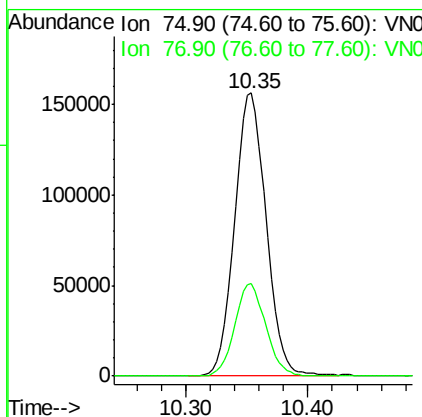
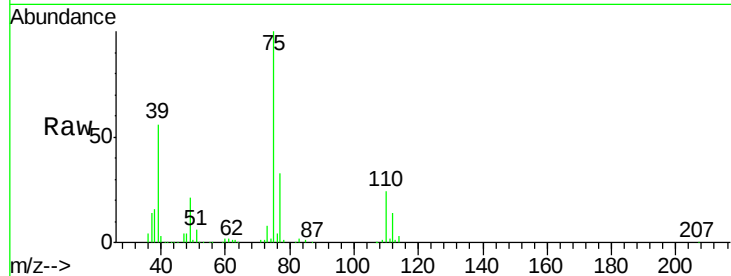
#53  
t-1,3-Dichloropropene  
Concen: 48.094 ug/l  
RT: 10.35 min Scan# 2679  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 75 Resp: 279193  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.3 37.9

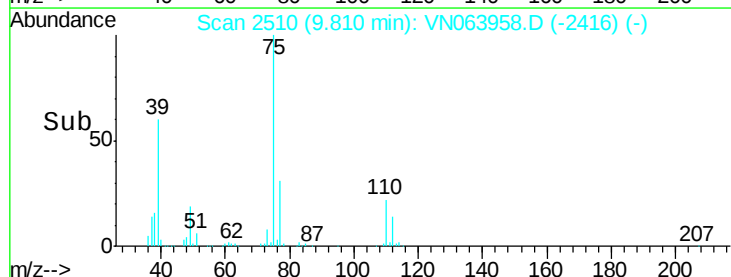
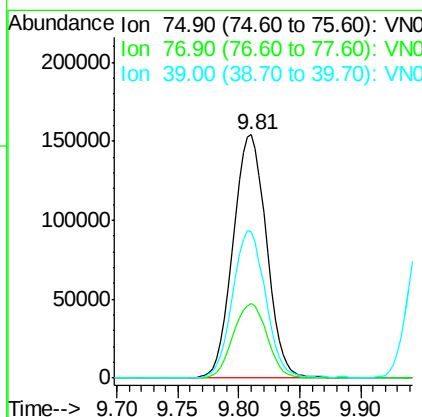
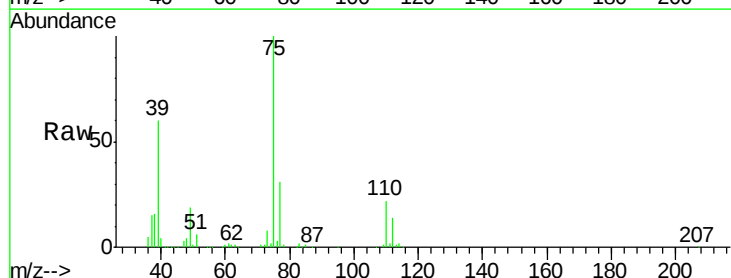
Manual Integrations  
APPROVED

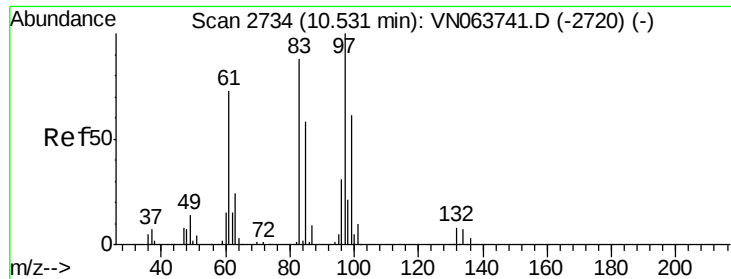
MMDadoda  
10/8/2020 10:09:22 AM



#54  
cis-1,3-Dichloropropene  
Concen: 48.255 ug/l  
RT: 9.81 min Scan# 2510  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Tgt Ion: 75 Resp: 292964  
Ion Ratio Lower Upper  
75 100  
77 30.6 24.6 36.8  
39 60.2 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 49.104 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 171795

Ion Ratio Lower Upper

97 100

83 86.8 70.7 106.1

85 55.4 46.1 69.1

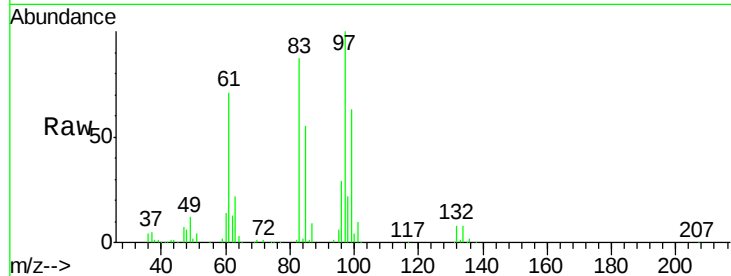
99 62.7 48.8 73.2

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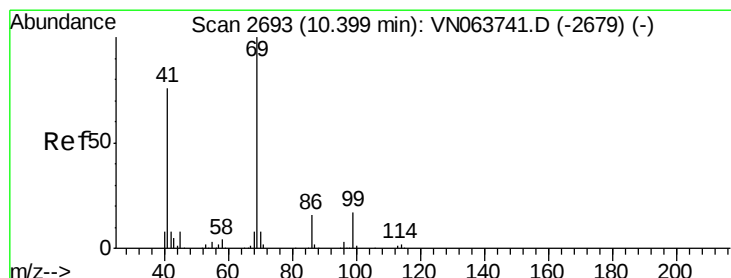
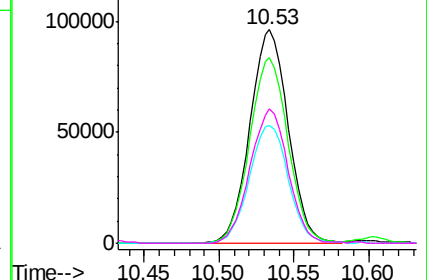
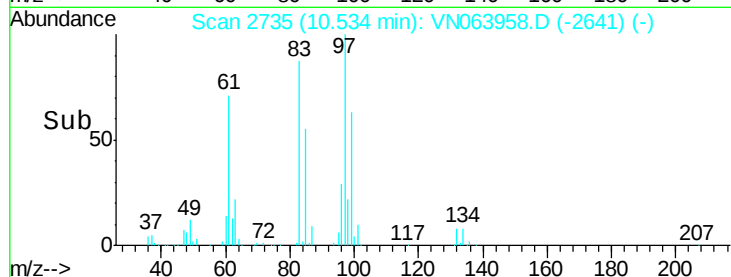


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.482 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

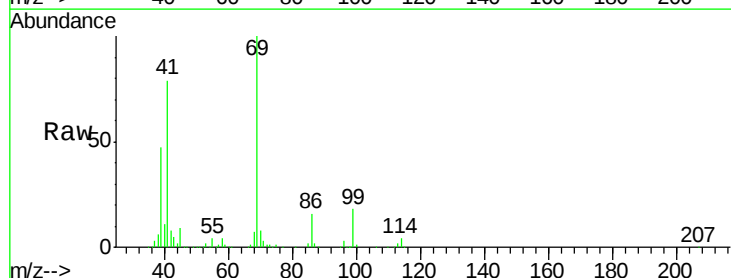
Tgt Ion: 69 Resp: 260263

Ion Ratio Lower Upper

69 100

41 77.1 61.1 91.7

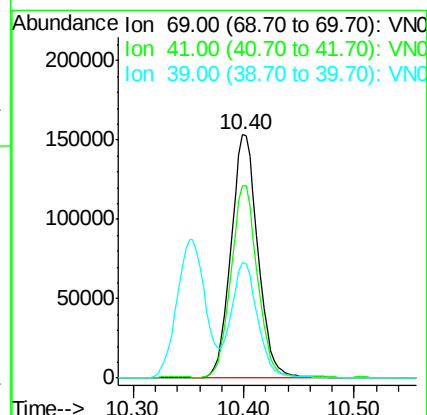
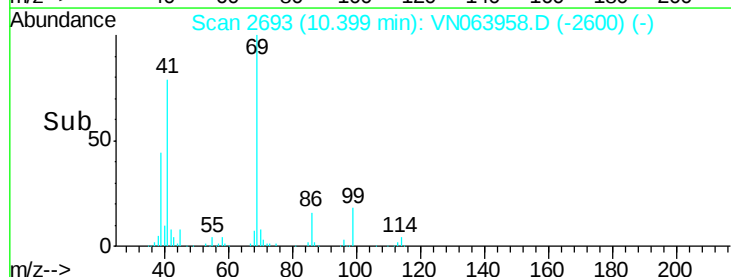
39 46.9 42.2 63.4

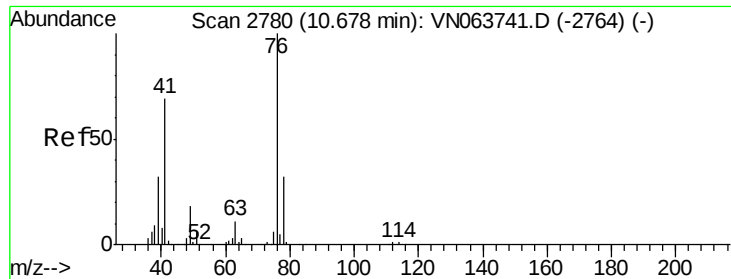


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





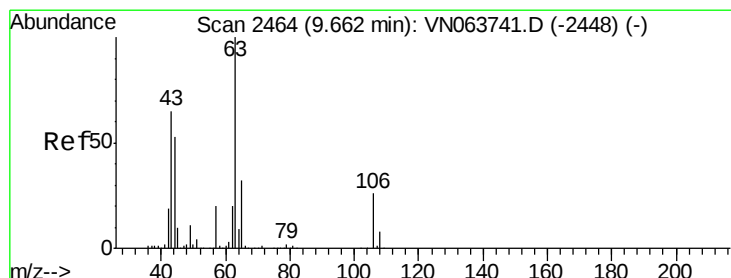
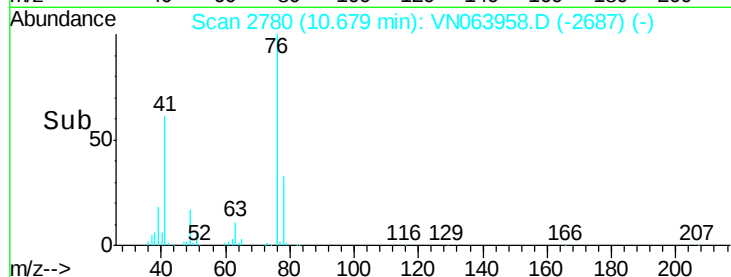
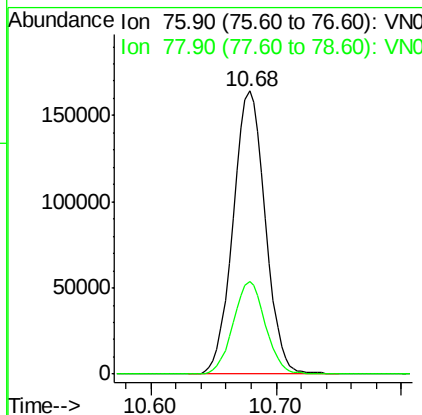
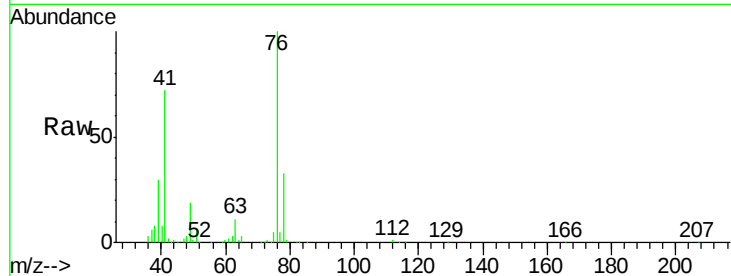
#57  
 1,3-Dichloropropane  
 Concen: 49.465 ug/l  
 RT: 10.68 min Scan# 2780  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.9  | 25.2  | 37.8  |

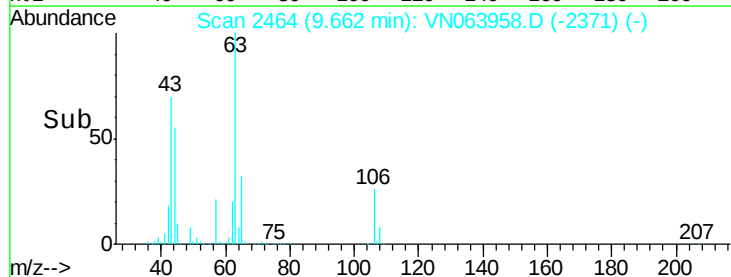
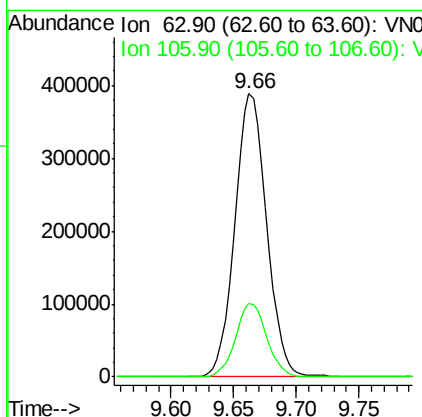
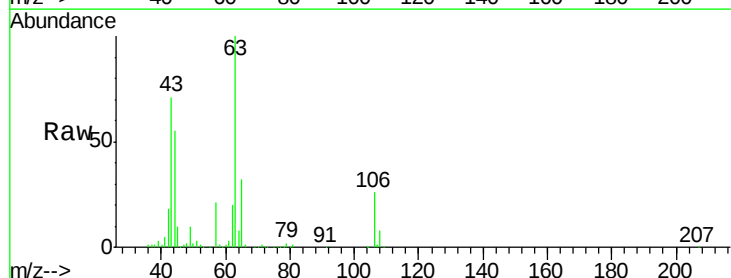
Manual Integrations  
 APPROVED

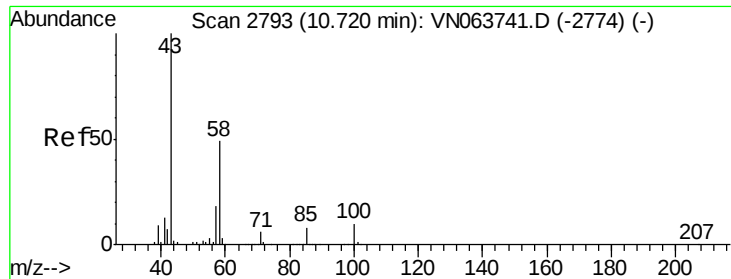
MMDadoda  
 10/8/2020 10:09:22 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 257.920 ug/l  
 RT: 9.66 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 25.7  | 20.7  | 31.1  |





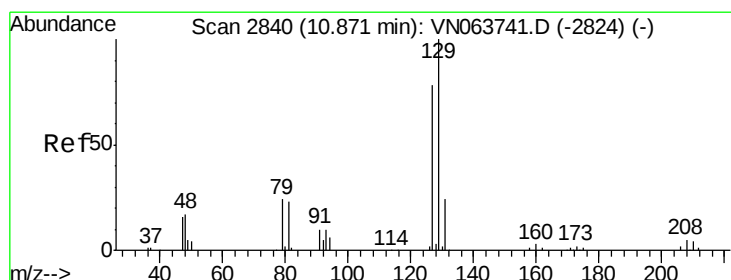
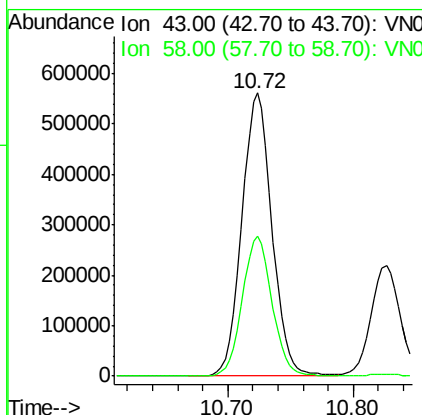
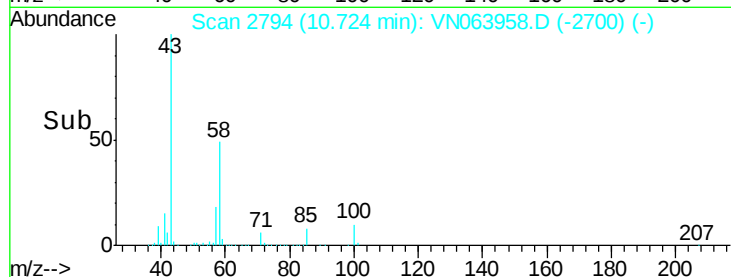
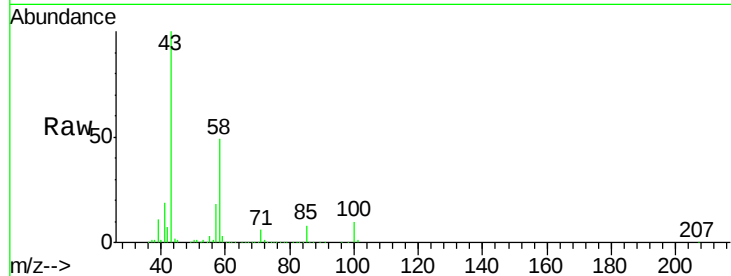
#59  
2-Hexanone  
Concen: 265.252 ug/l  
RT: 10.72 min Scan# 2794  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 935739  
Ion Ratio Lower Upper  
43 100  
58 48.9 24.6 73.8

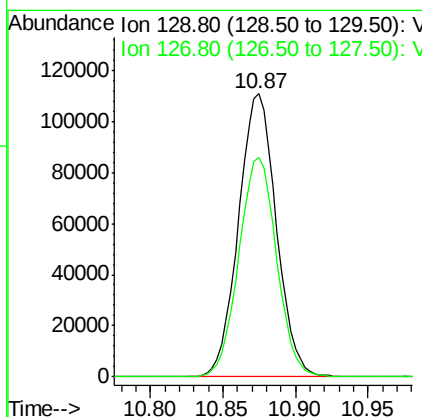
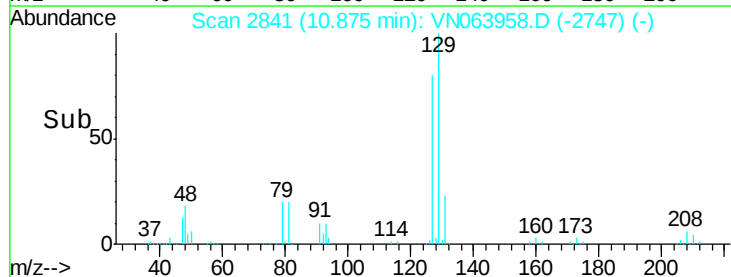
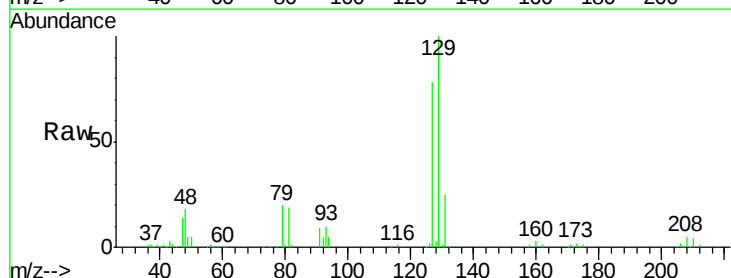
Manual Integrations  
APPROVED

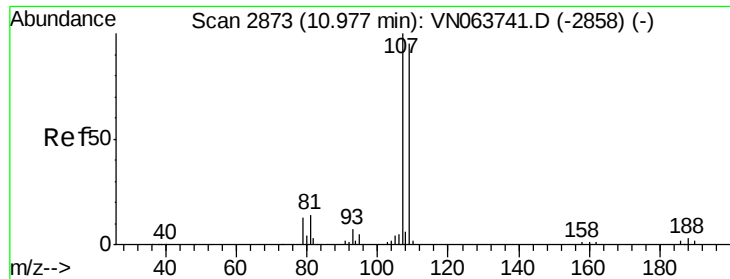
MMDadoda  
10/8/2020 10:09:22 AM



#60  
Dibromochloromethane  
Concen: 49.283 ug/l  
RT: 10.87 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Tgt Ion: 129 Resp: 200798  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.9 116.7





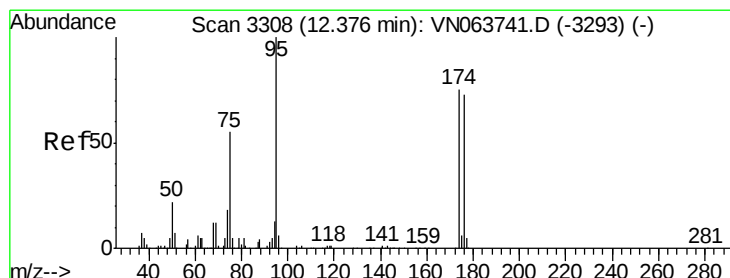
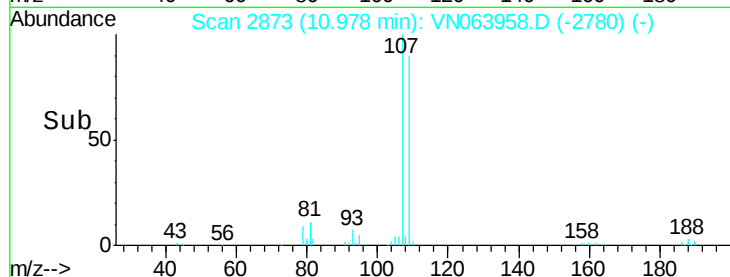
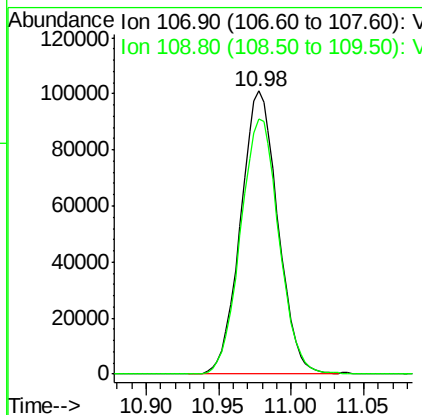
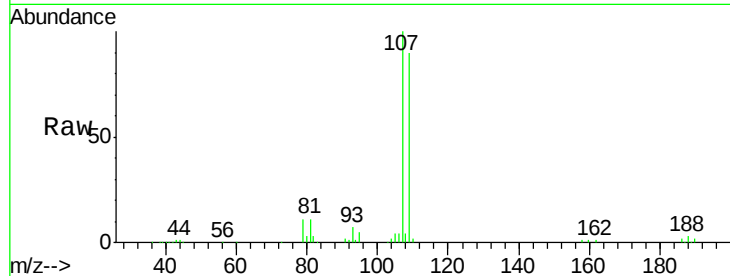
#61  
 1,2-Dibromoethane  
 Concen: 50.428 ug/l  
 RT: 10.98 min Scan# 2873  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 92.8  | 74.8  | 112.2 |

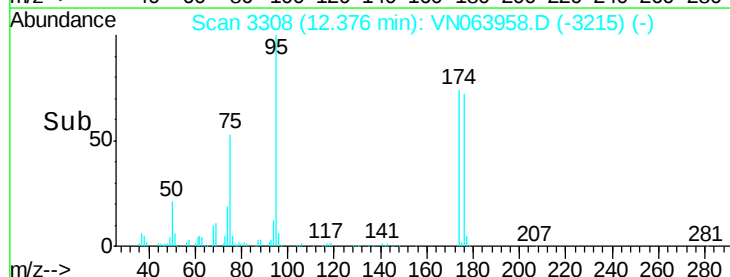
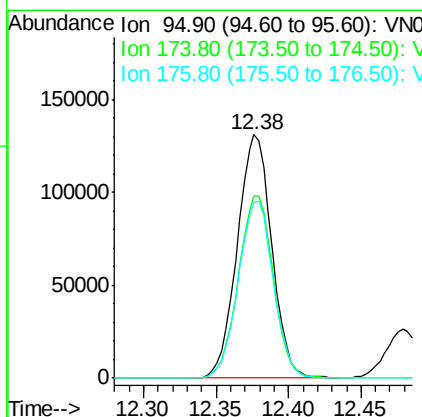
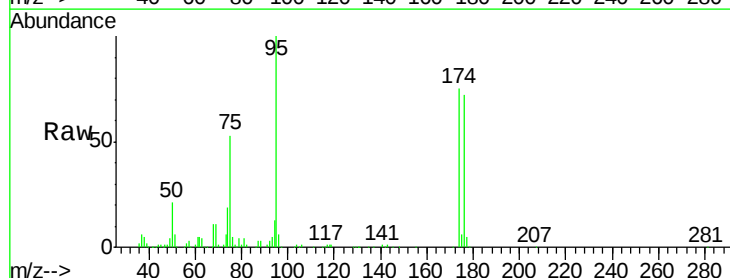
Manual Integrations  
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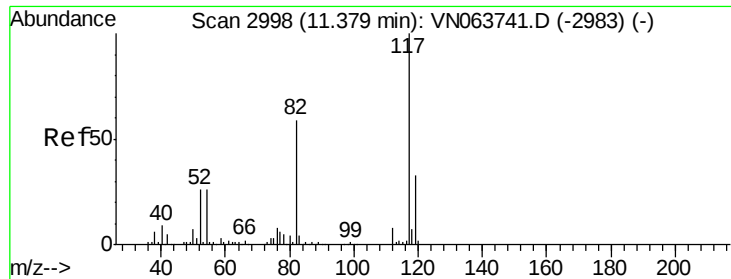
MMDadoda  
 10/8/2020 10:09:22 AM



#62  
 4-Bromofluorobenzene  
 Concen: 44.757 ug/l  
 RT: 12.38 min Scan# 3308  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 76.4  | 0.0   | 150.6 |
| 176     | 74.2  | 0.0   | 145.4 |





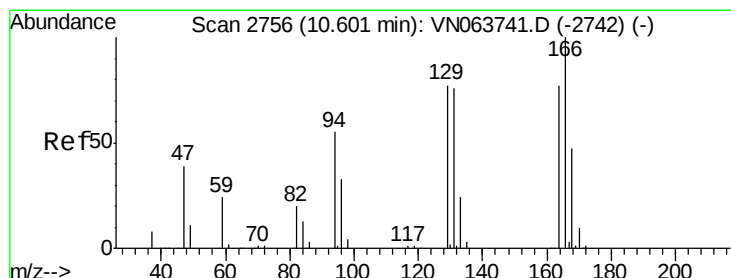
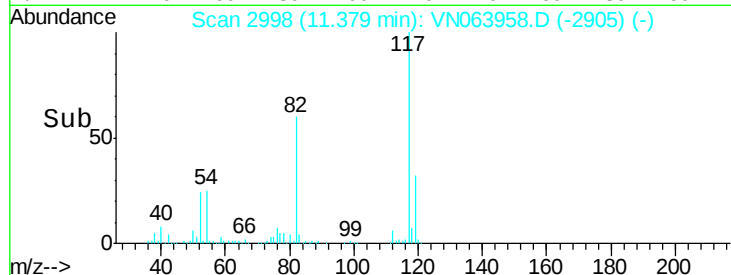
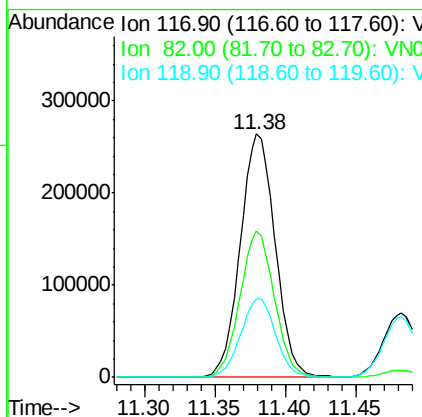
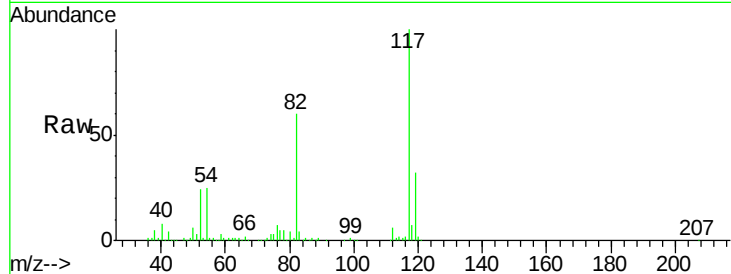
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 458141 |       |       |
| 82      | 59.9  | 47.4   | 71.2  |       |
| 119     | 32.2  | 26.4   | 39.6  |       |

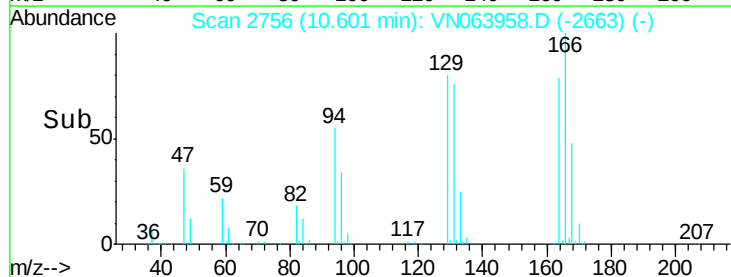
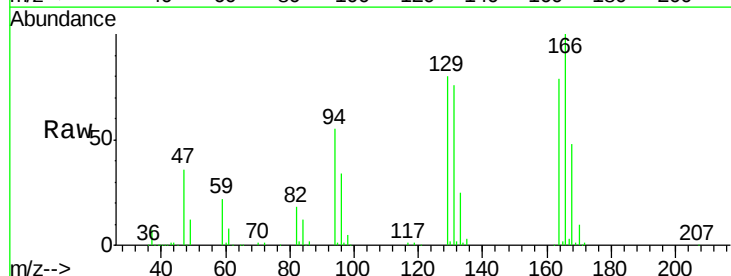
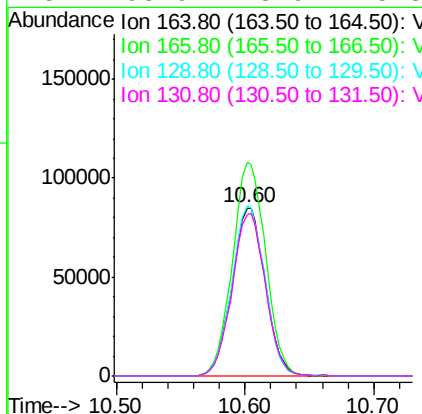
Manual Integrations  
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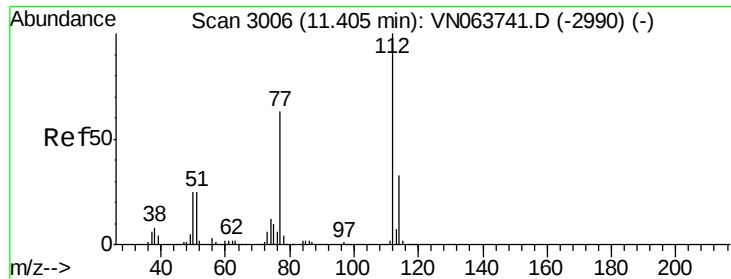
MMDadoda  
10/8/2020 10:09:22 AM



#64  
Tetrachloroethene  
Concen: 43.034 ug/l  
RT: 10.60 min Scan# 2756  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 152534 |       |       |
| 166     | 126.9 | 103.9  | 155.9 |       |
| 129     | 100.9 | 80.3   | 120.5 |       |
| 131     | 95.9  | 78.9   | 118.3 |       |





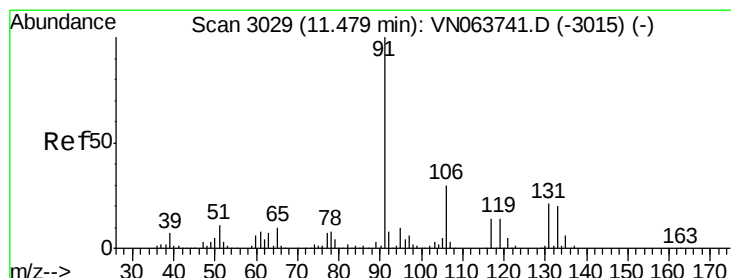
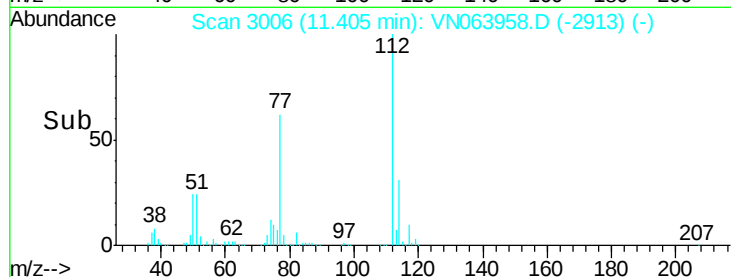
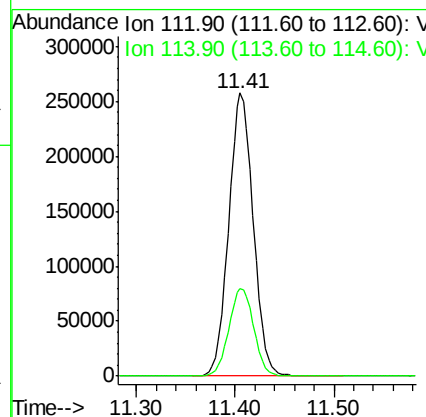
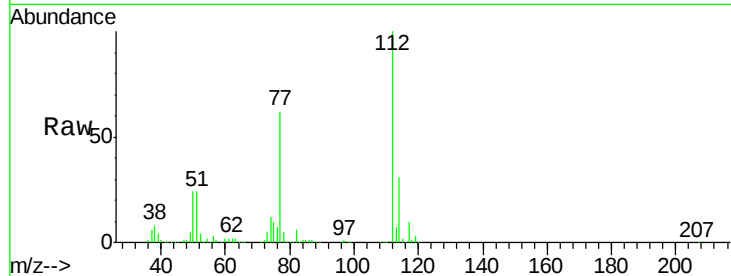
#65  
Chlorobenzene  
Concen: 47.737 ug/l  
RT: 11.41 min Scan# 3006  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 448625  
Ion Ratio Lower Upper  
112 100  
114 30.9 26.1 39.1

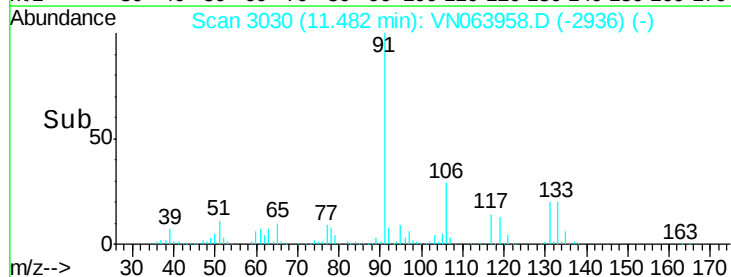
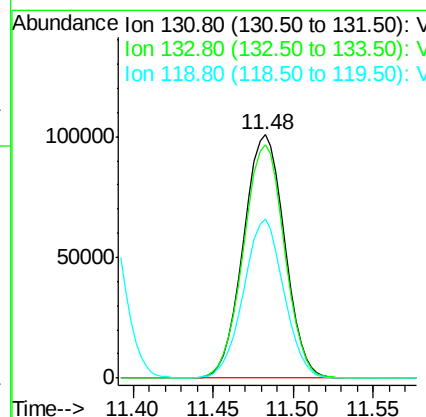
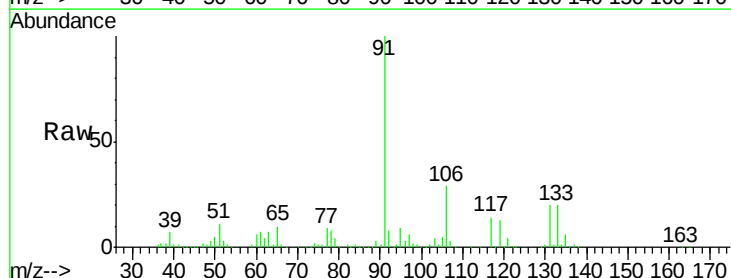
Manual Integrations  
APPROVED

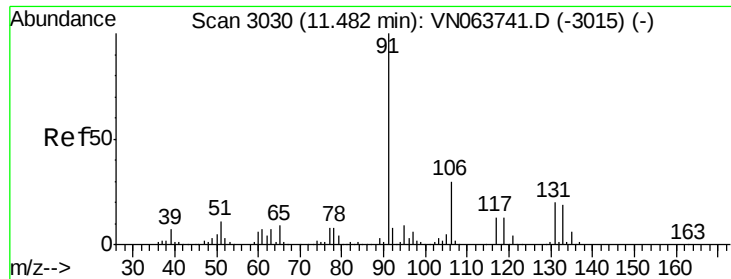
MMDadoda  
10/8/2020 10:09:22 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.334 ug/l  
RT: 11.48 min Scan# 3030  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Tgt Ion:131 Resp: 177746  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.3 141.8  
119 63.5 32.6 97.7





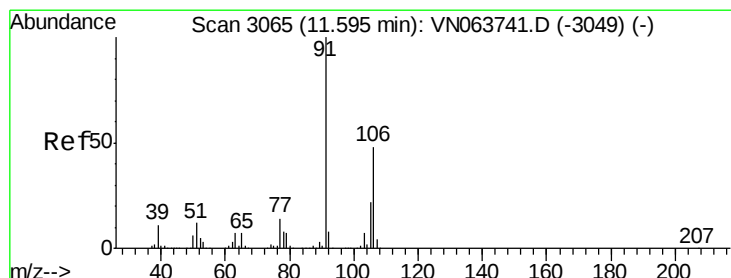
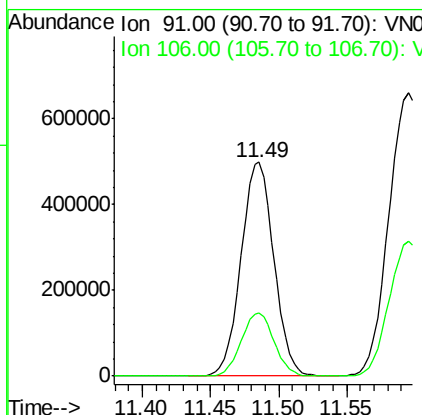
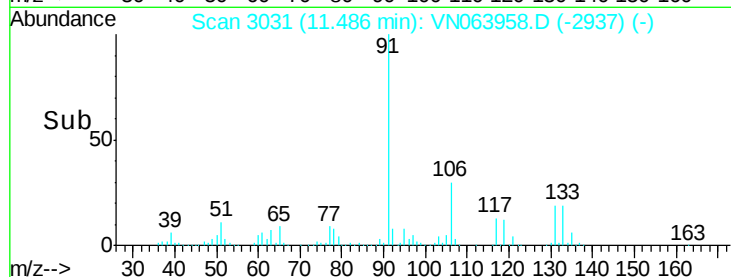
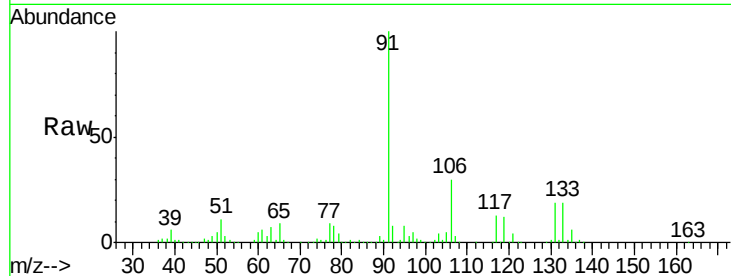
#67  
Ethyl Benzene  
Concen: 48.680 ug/l  
RT: 11.49 min Scan# 3031  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 91 Resp: 832462  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.2 36.2

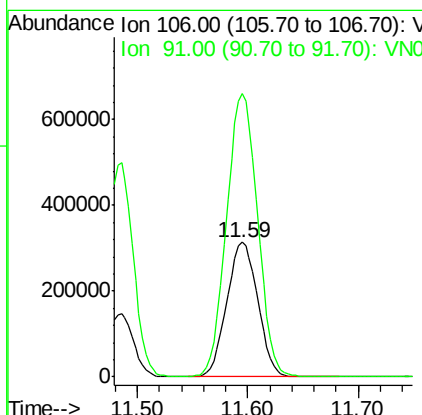
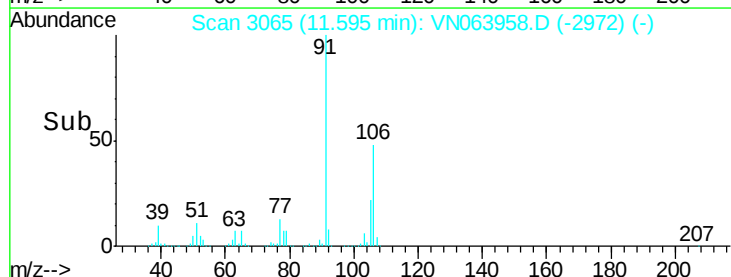
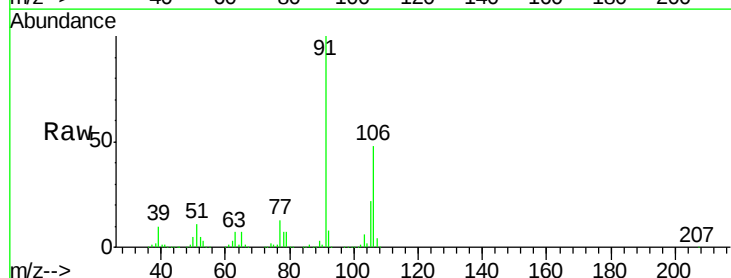
Manual Integrations  
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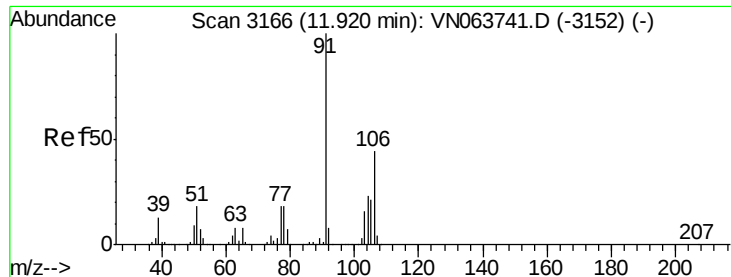
MMDadoda  
10/8/2020 10:09:22 AM



#68  
m/p-Xylenes  
Concen: 95.827 ug/l  
RT: 11.59 min Scan# 3065  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Tgt Ion: 106 Resp: 610746  
Ion Ratio Lower Upper  
106 100  
91 210.7 168.0 252.0





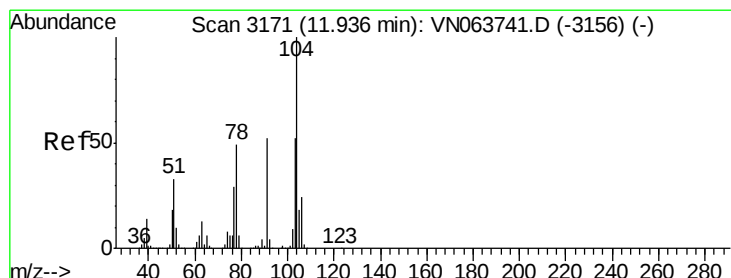
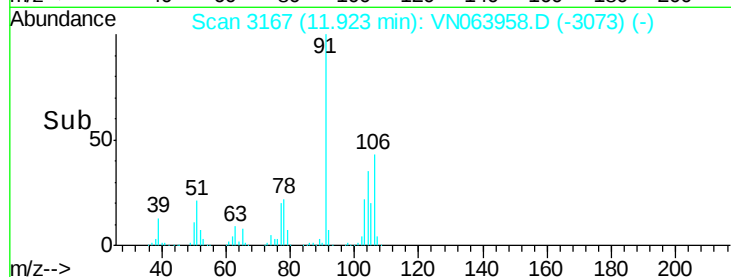
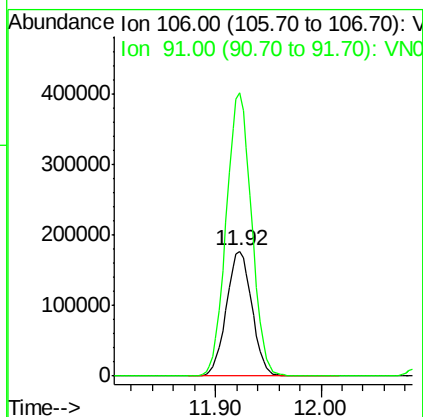
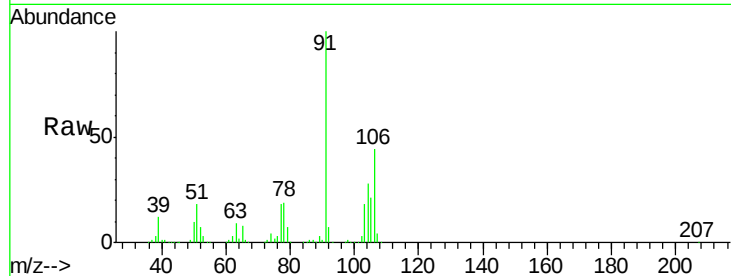
#69  
o-Xylene  
Concen: 49.796 ug/l  
RT: 11.92 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 296637  
Ion Ratio Lower Upper  
106 100  
91 224.6 112.7 338.0

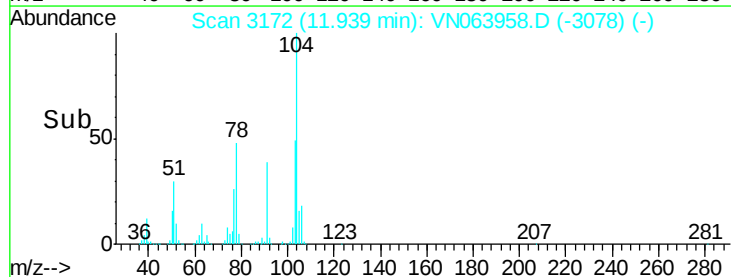
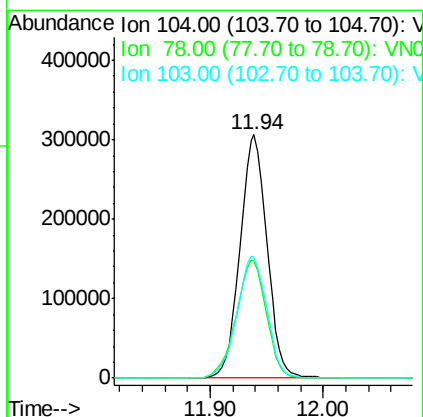
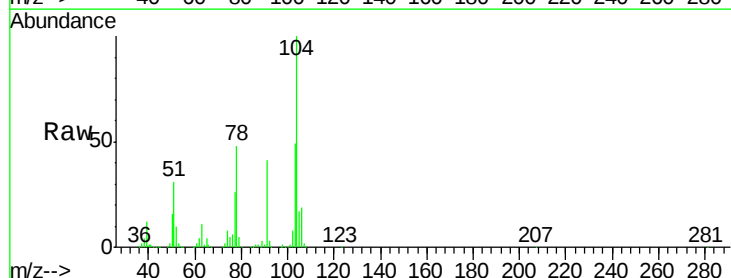
Manual Integrations  
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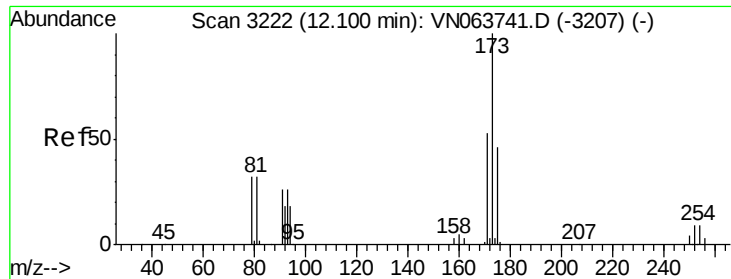
MMDadoda  
10/8/2020 10:09:22 AM



#70  
Styrene  
Concen: 50.497 ug/l  
RT: 11.94 min Scan# 3172  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Tgt Ion:104 Resp: 510619  
Ion Ratio Lower Upper  
104 100  
78 53.8 44.1 66.1  
103 55.0 44.3 66.5





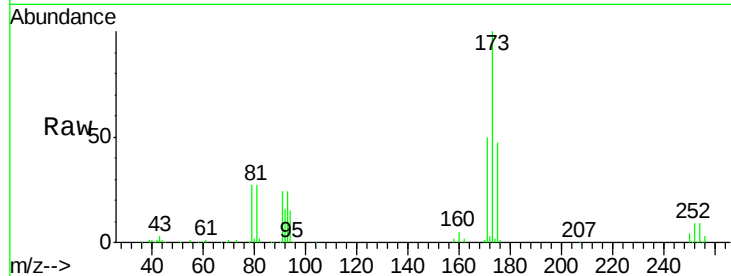
#71  
Bromoform  
Concen: 50.708 ug/l  
RT: 12.10 min Scan# 3223  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.3  | 23.5  | 70.5  |
| 254     | 0.1   | 0.0   | 0.0   |

Manual Integrations  
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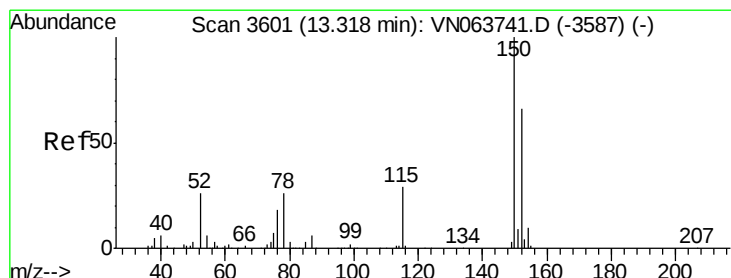
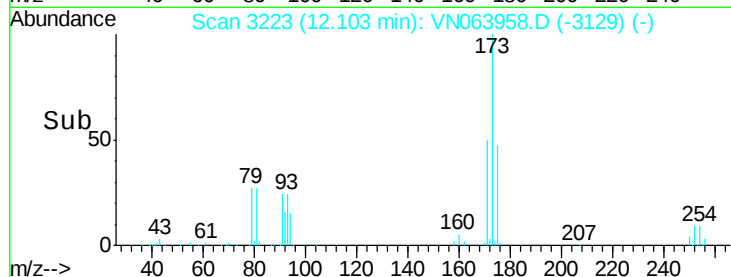
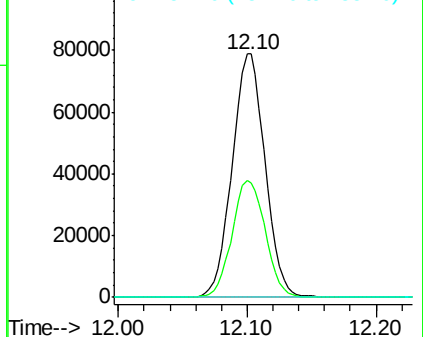


Abundance

Ion 172.70 (172.40 to 173.40): V

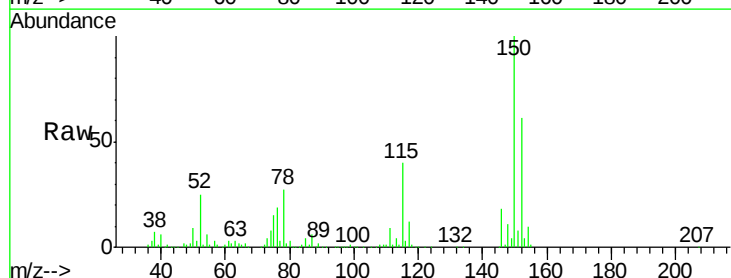
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.9  | 31.3  | 93.8  |
| 150     | 175.5 | 0.0   | 341.8 |

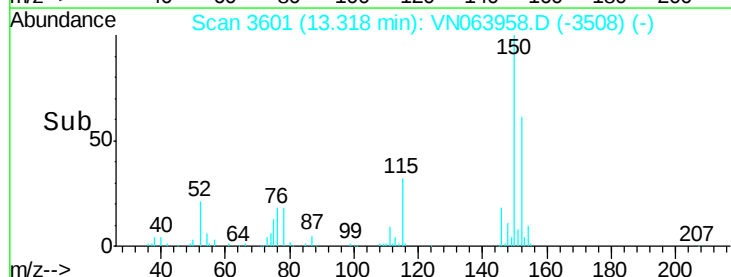
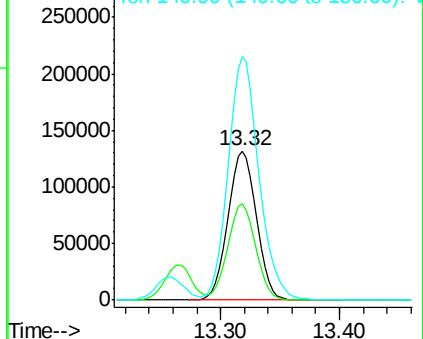


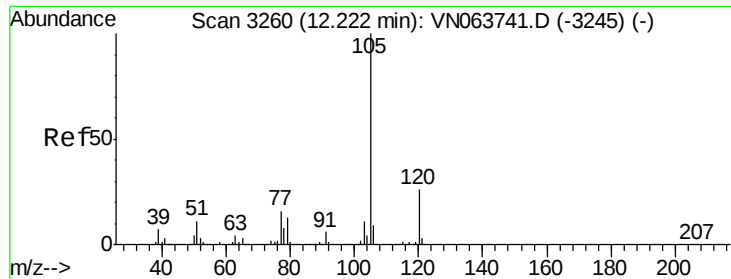
Abundance

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: 48.802 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 778378

Ion Ratio Lower Upper

105 100

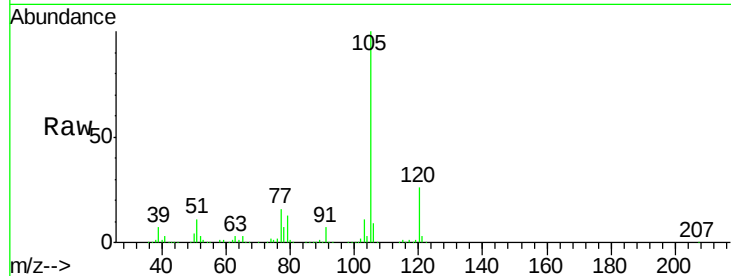
120 25.5 12.6 37.8

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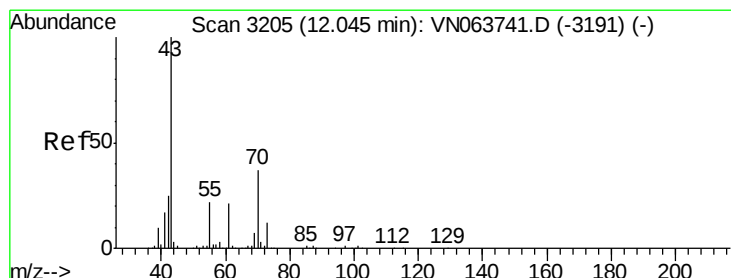
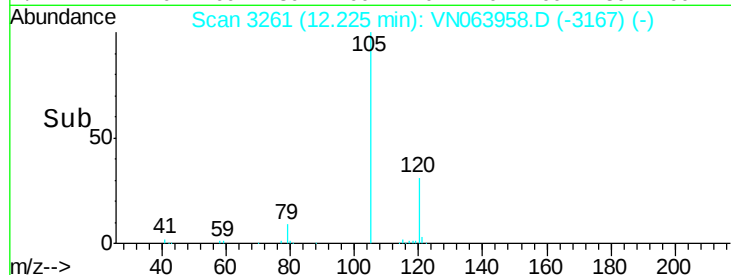
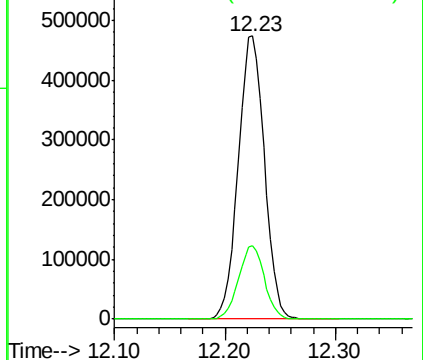
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.490 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Tgt Ion: 43 Resp: 374454

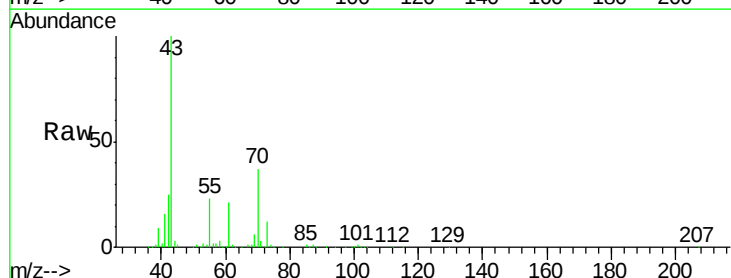
Ion Ratio Lower Upper

43 100

70 37.2 29.8 44.8

55 23.0 17.9 26.9

61 20.6 17.0 25.4

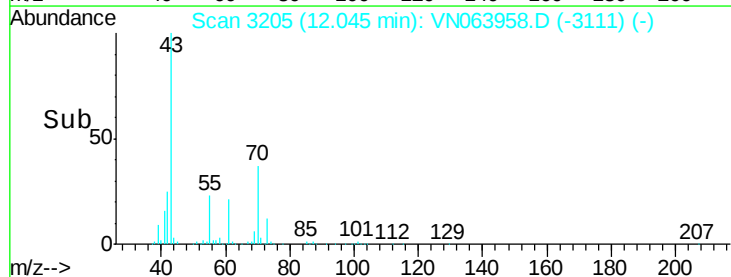
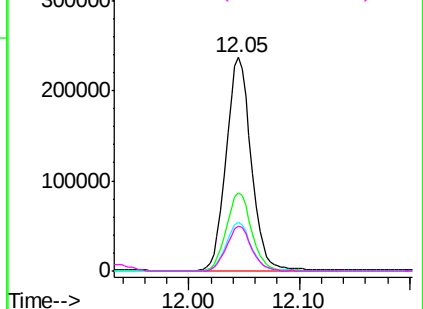


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.715 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

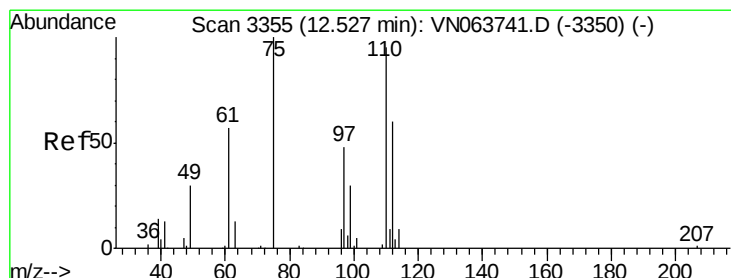
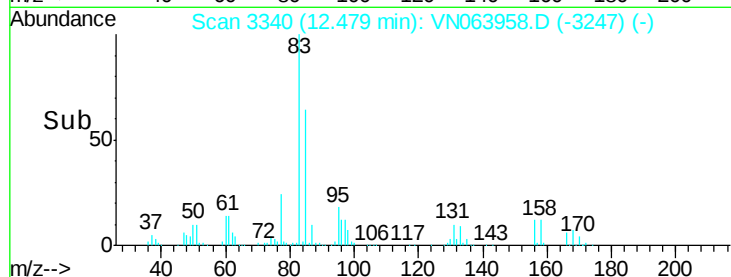
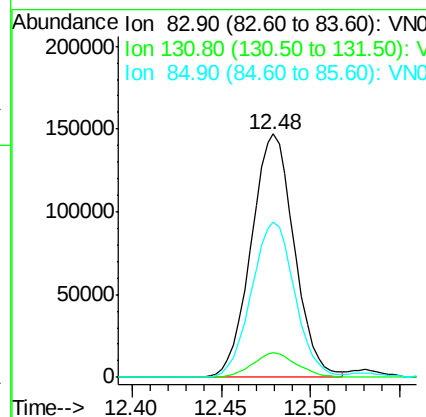
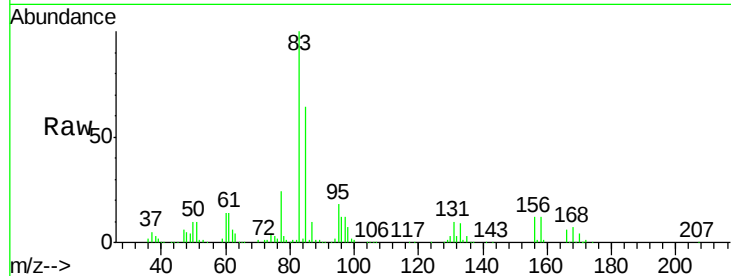
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 247349 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.5  | 5.3   | 15.8   |
| 85        | 64.3  | 31.3  | 93.8   |

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#76

1,2,3-Trichloropropane

Concen: 43.930 ug/l m

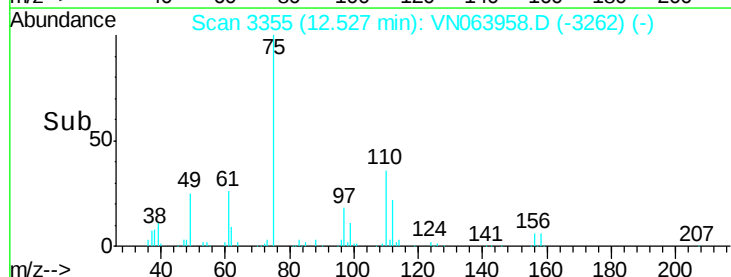
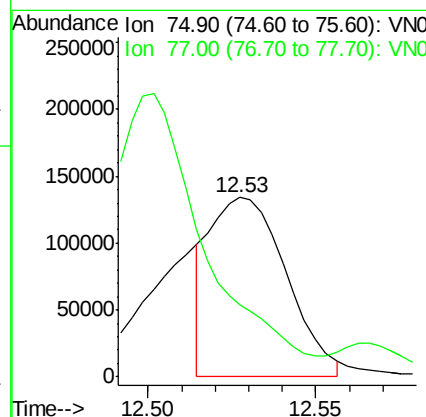
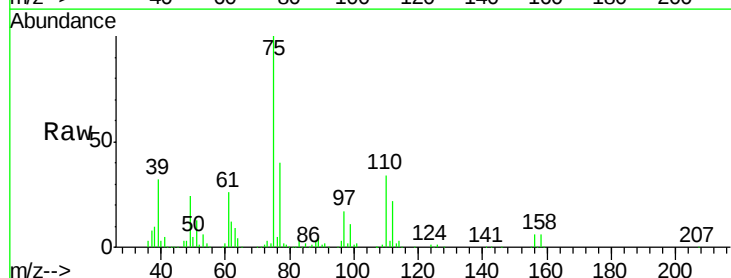
RT: 12.53 min Scan# 3355

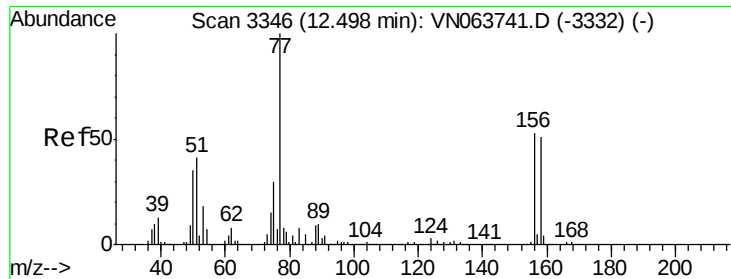
Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 211760 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 50.490 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 197599

Ion Ratio Lower Upper

156 100

77 219.6 110.9 332.7

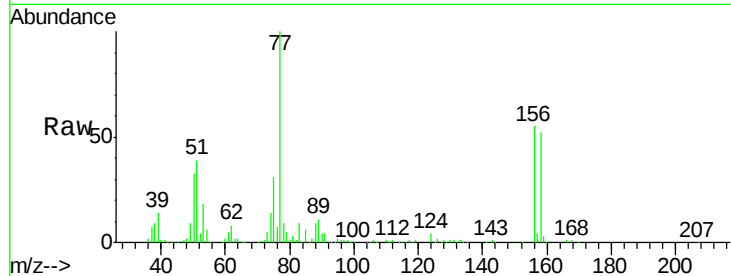
158 97.0 47.7 143.1

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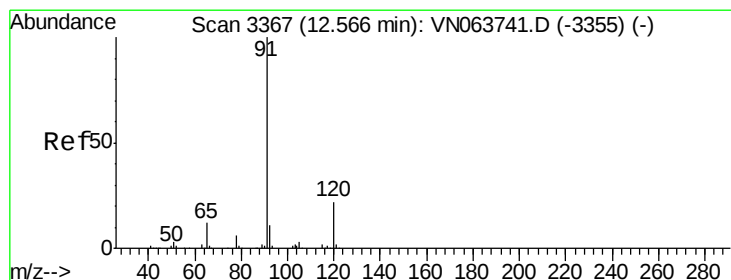
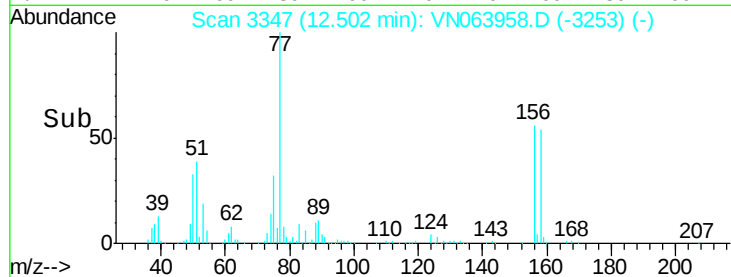
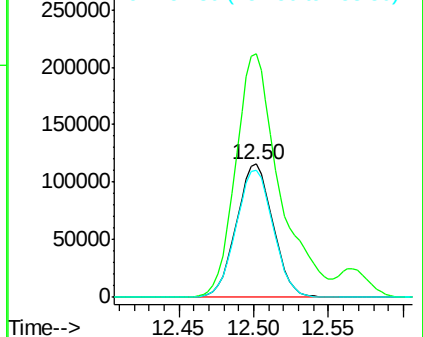
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.534 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063958.D

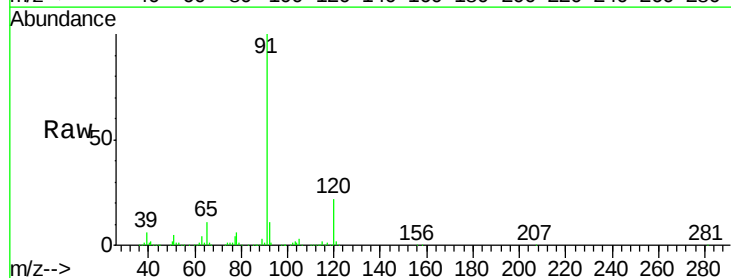
Acq: 7 Oct 2020 21:19

Tgt Ion: 91 Resp: 882344

Ion Ratio Lower Upper

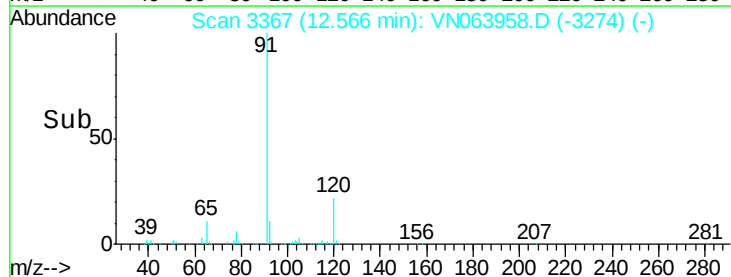
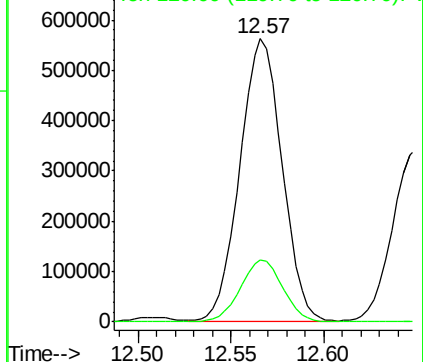
91 100

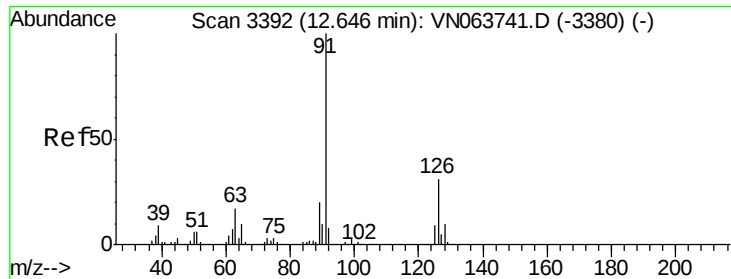
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.344 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 563316

Ion Ratio Lower Upper

91 100

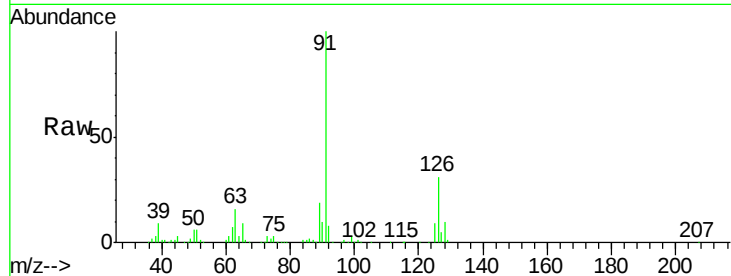
126 32.0 15.9 47.7

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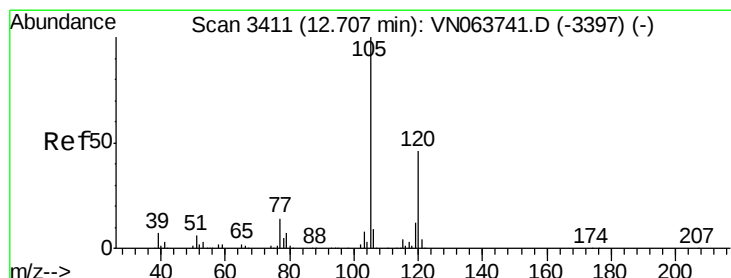
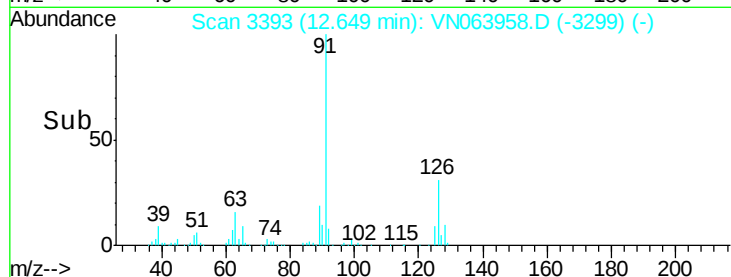
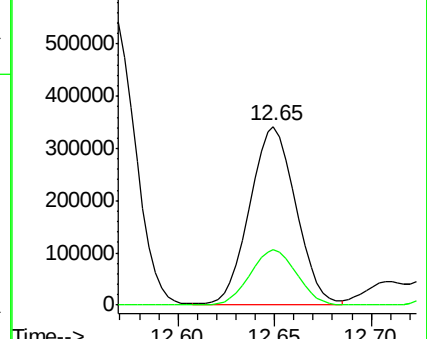
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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.196 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063958.D

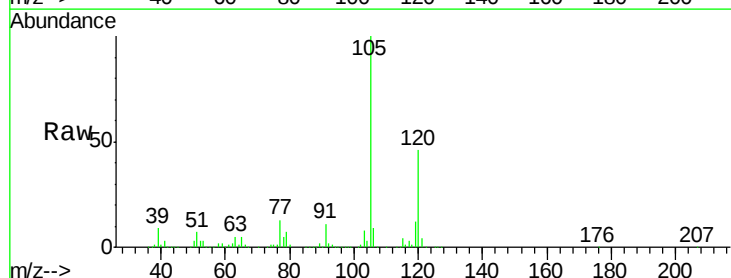
Acq: 7 Oct 2020 21:19

Tgt Ion: 105 Resp: 658282

Ion Ratio Lower Upper

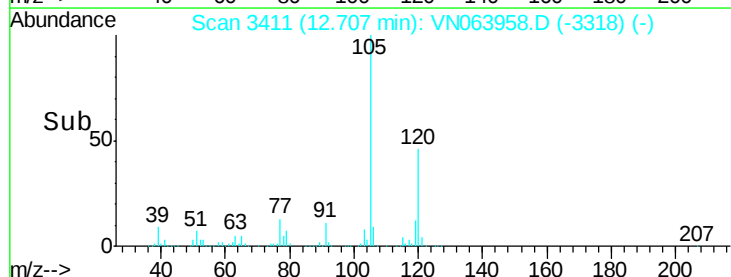
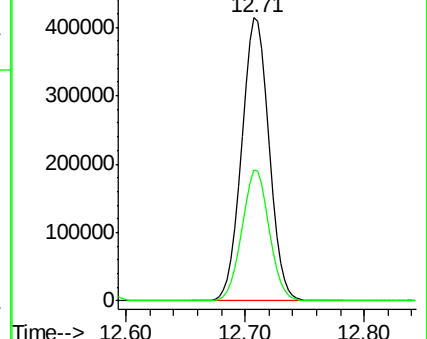
105 100

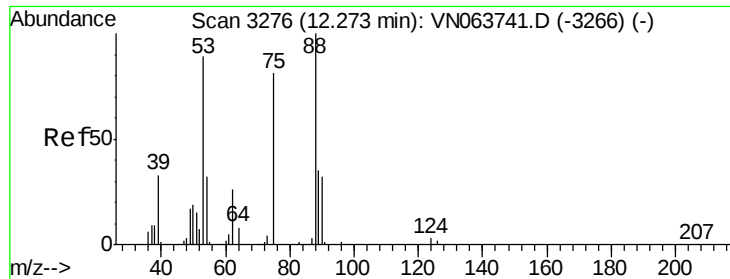
120 46.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.793 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

Instrument :

MSVOA\_N

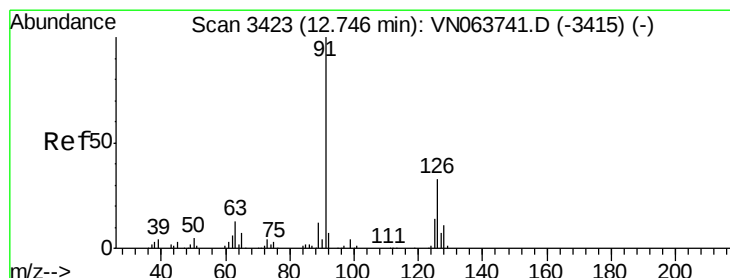
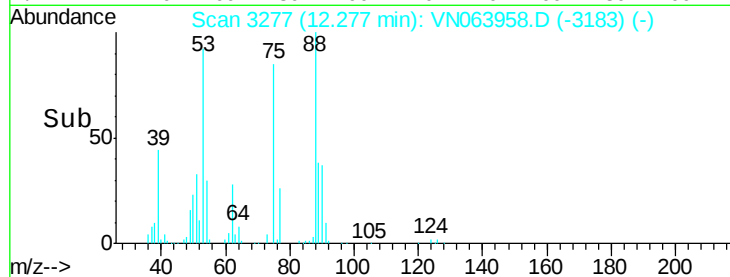
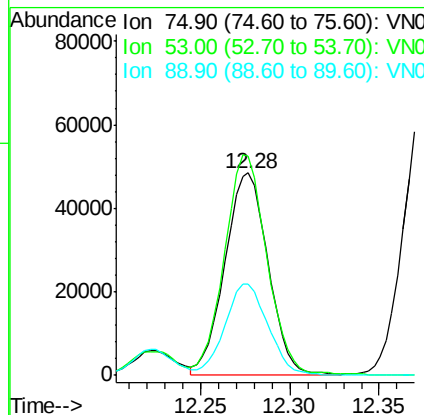
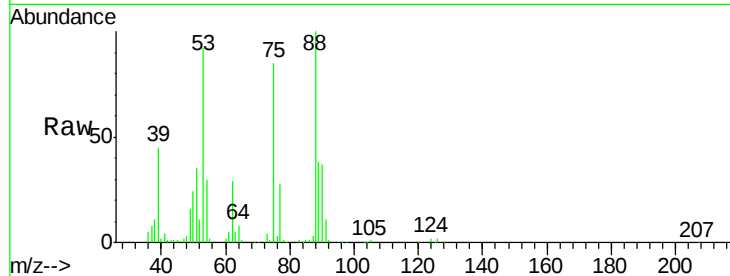
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 81662 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 105.2 | 88.2  | 132.2 |
| 89       | 44.0  | 36.0  | 54.0  |

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#82

4-Chlorotoluene

Concen: 48.918 ug/l

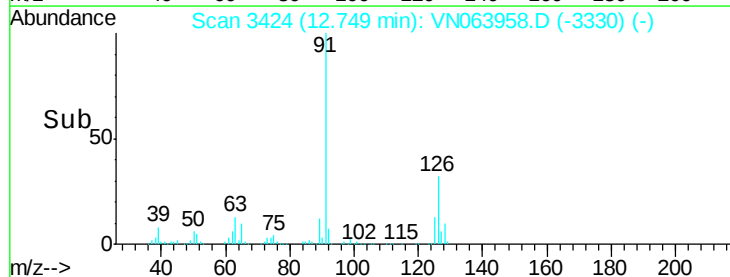
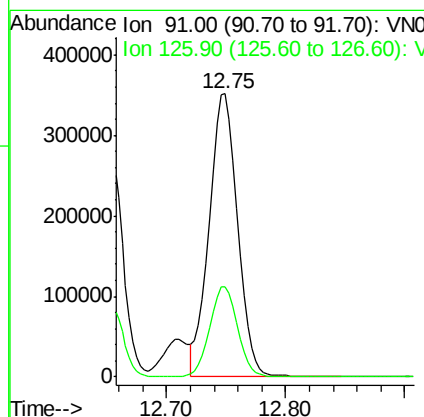
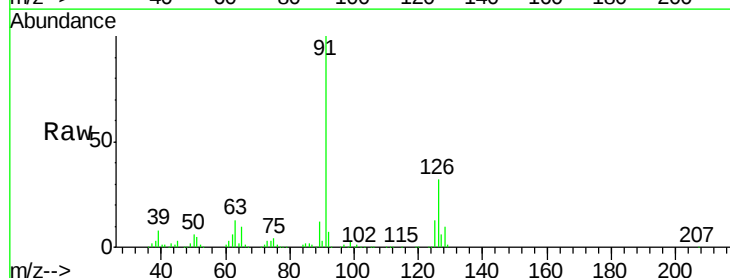
RT: 12.75 min Scan# 3424

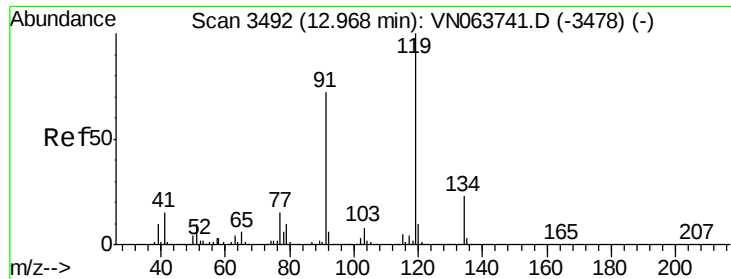
Delta R.T. 0.00 min

Lab File: VN063958.D

Acq: 7 Oct 2020 21:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 579737 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 31.5  | 15.4  | 46.2   |





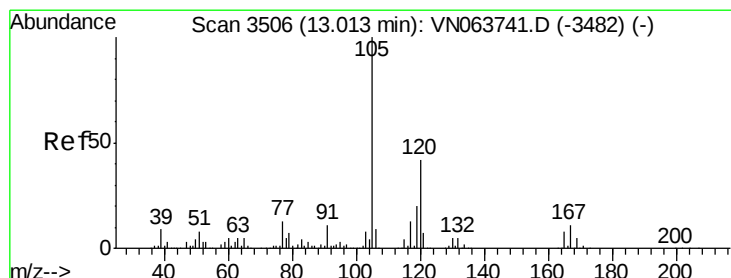
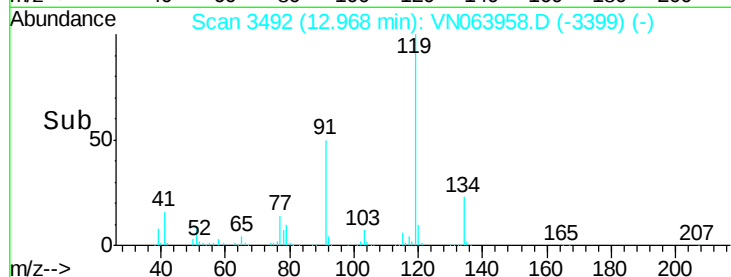
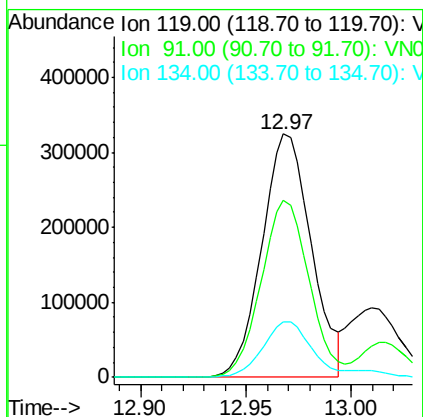
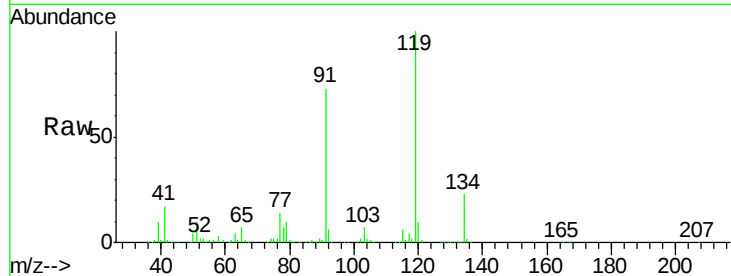
#83  
tert-Butylbenzene  
Concen: 48.392 ug/l  
RT: 12.97 min Scan# 3492  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 70.5  | 35.5  | 106.5 |
| 134     | 22.6  | 11.7  | 35.1  |

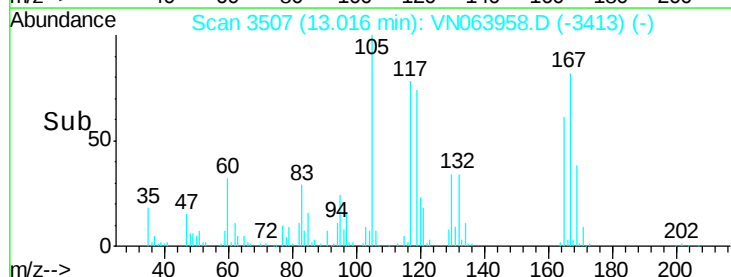
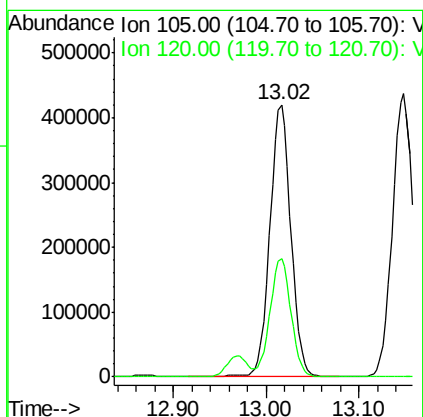
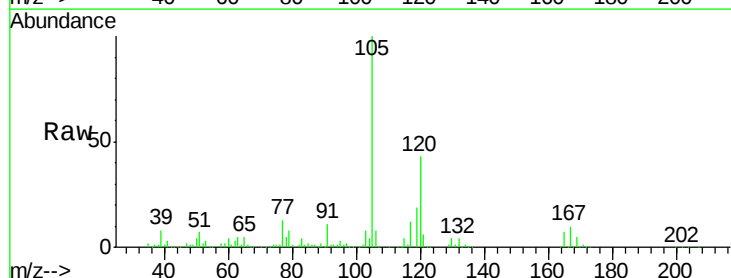
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#84  
1,2,4-Trimethylbenzene  
Concen: 50.083 ug/l  
RT: 13.02 min Scan# 3507  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 43.3  | 20.9  | 62.7  |





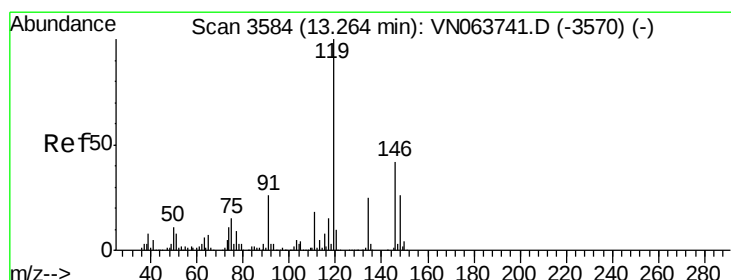
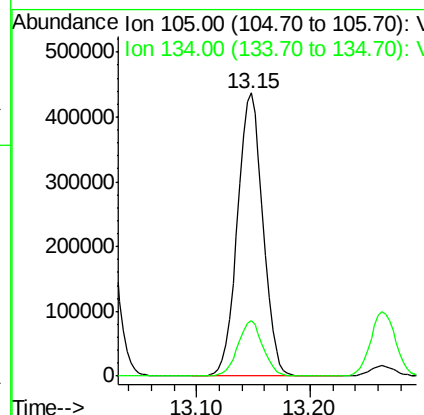
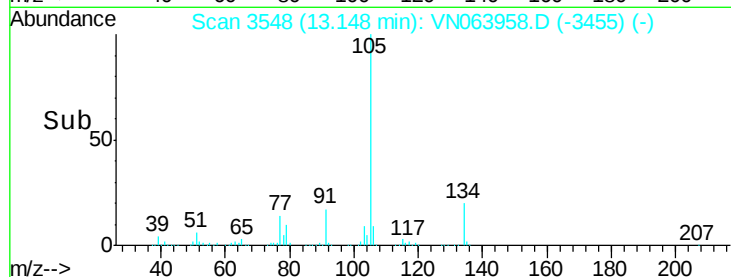
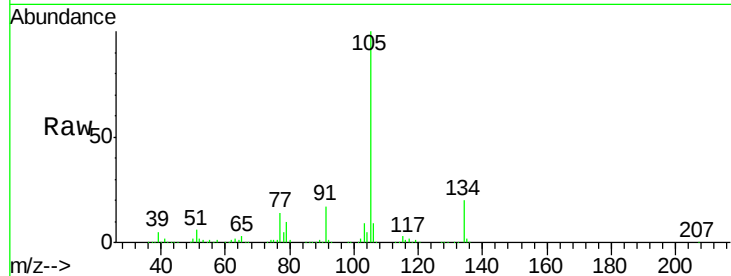
#85  
 sec-Butylbenzene  
 Concen: 47.503 ug/l  
 RT: 13.15 min Scan# 3548  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.3  | 9.5   | 28.5  |

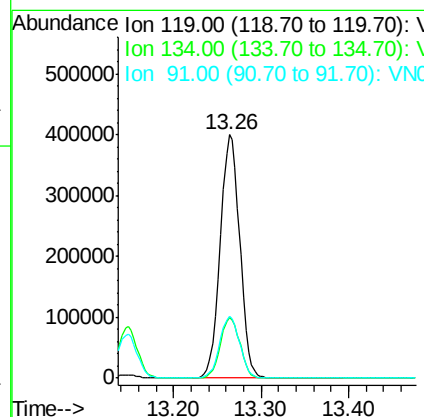
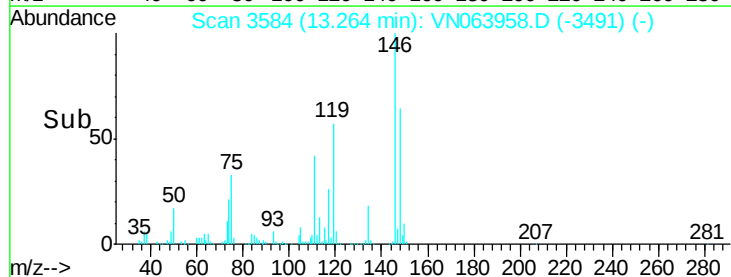
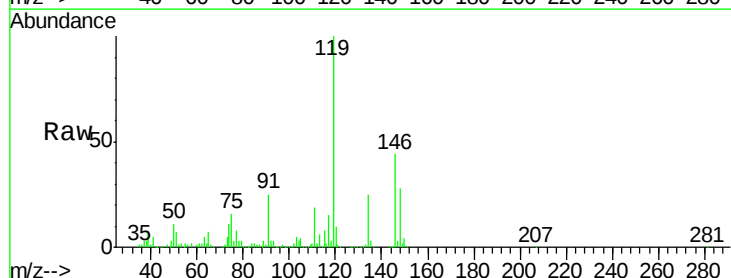
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#86  
 p-Isopropyltoluene  
 Concen: 48.759 ug/l  
 RT: 13.26 min Scan# 3584  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.0  | 12.6  | 37.8  |
| 91      | 25.7  | 13.4  | 40.2  |





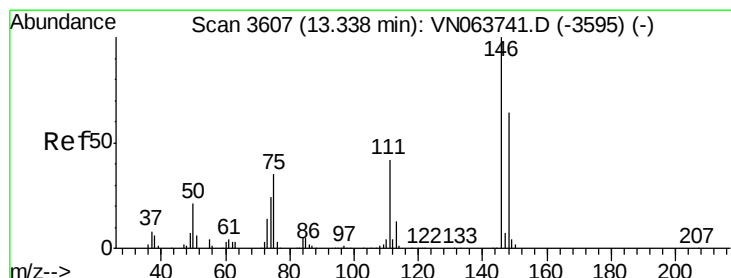
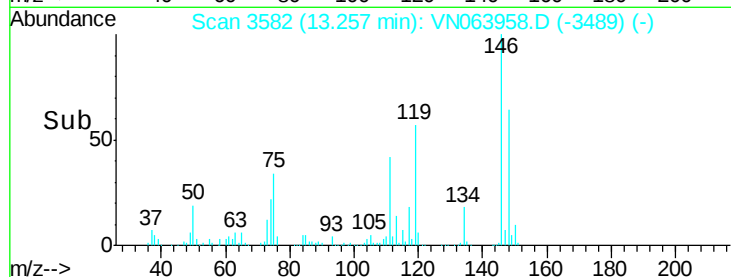
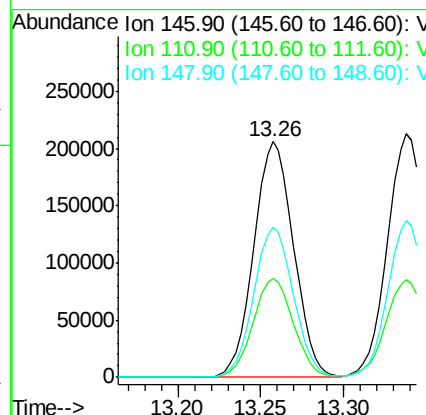
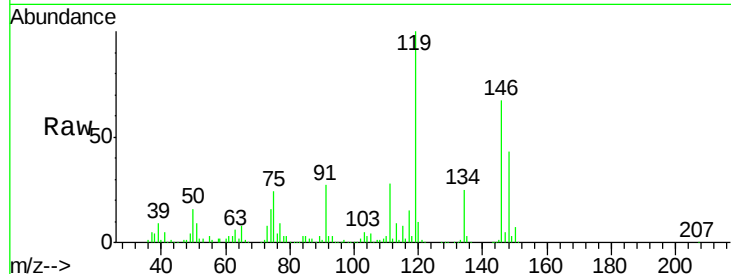
#87  
 1,3-Dichlorobenzene  
 Concen: 48.424 ug/l  
 RT: 13.26 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.5  | 21.5  | 64.5  |
| 148     | 63.8  | 31.1  | 93.3  |

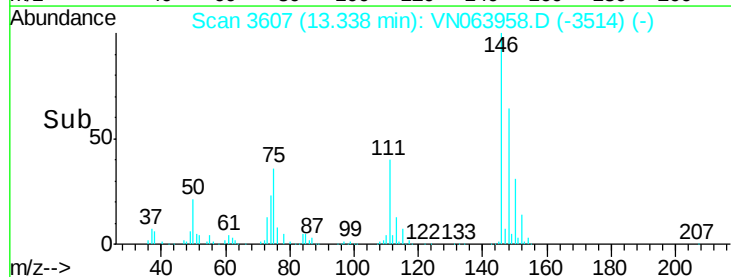
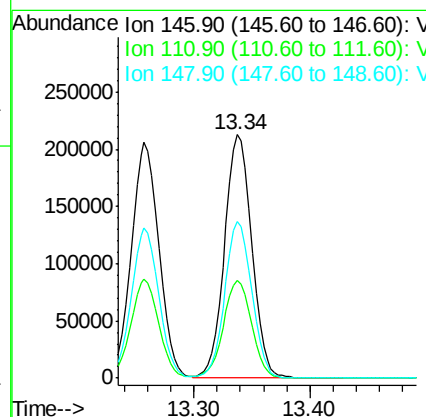
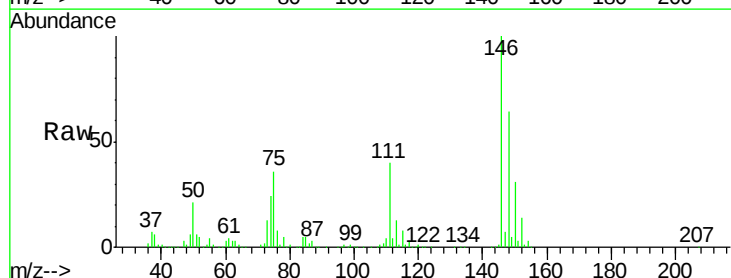
Manual Integrations  
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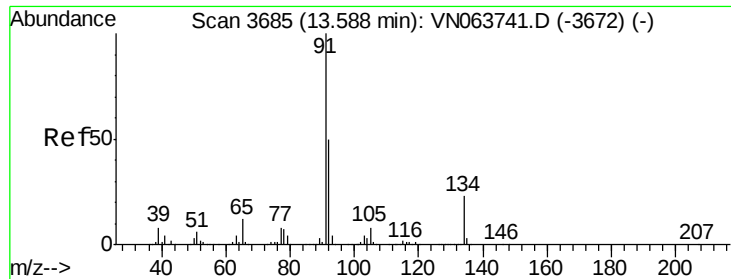
MMDadoda  
 10/8/2020 10:09:22 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 46.946 ug/l  
 RT: 13.34 min Scan# 3607  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.4  | 21.3  | 63.7  |
| 148     | 63.7  | 32.0  | 96.0  |





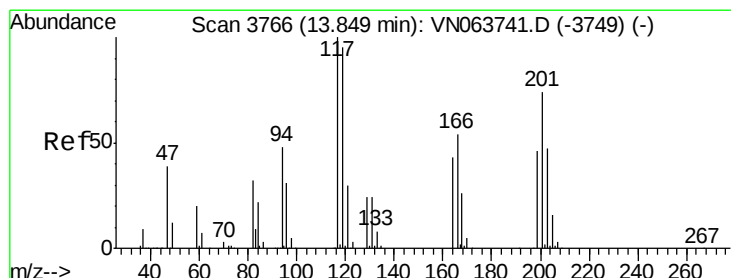
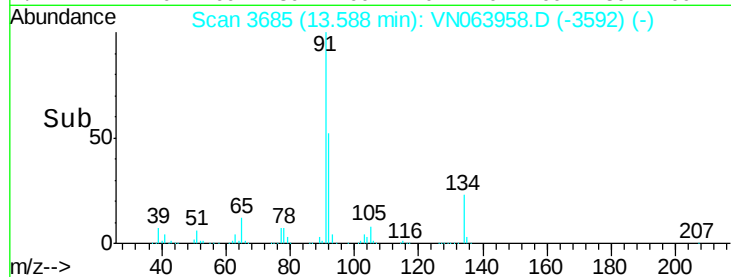
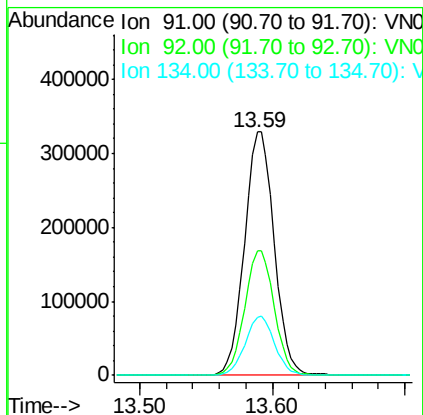
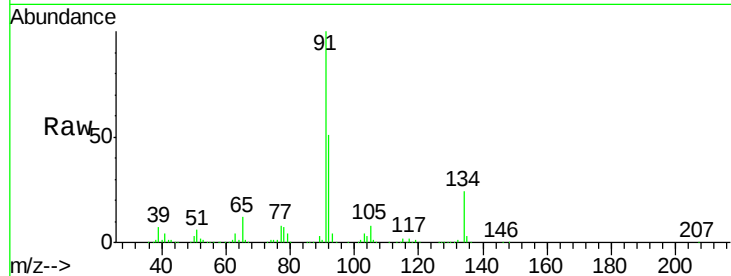
#89  
n-Butylbenzene  
Concen: 43.533 ug/l  
RT: 13.59 min Scan# 3685  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.3  | 25.4  | 76.4  |
| 134     | 24.0  | 11.7  | 35.1  |

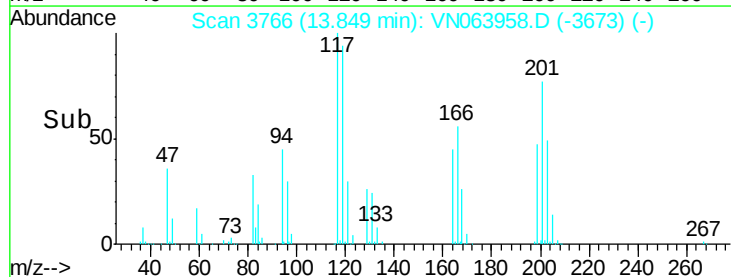
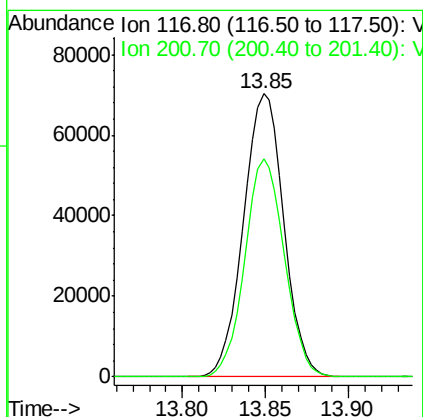
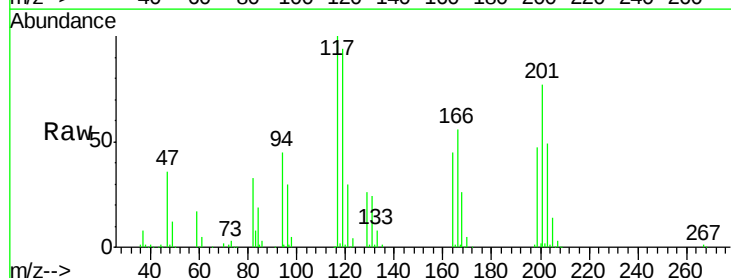
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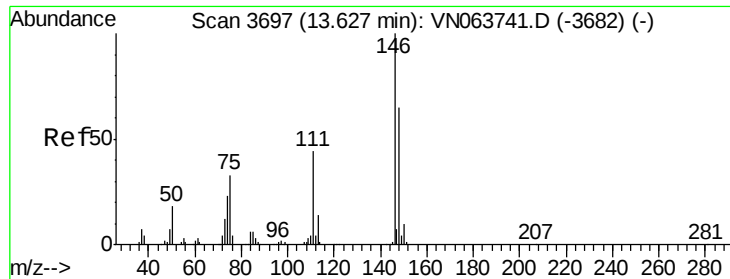
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#90  
Hexachloroethane  
Concen: 48.387 ug/l  
RT: 13.85 min Scan# 3766  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 75.6  | 36.0  | 108.0 |





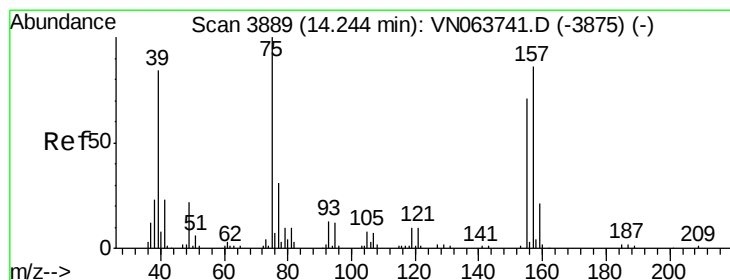
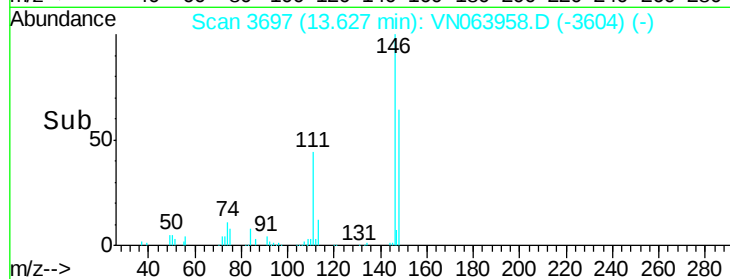
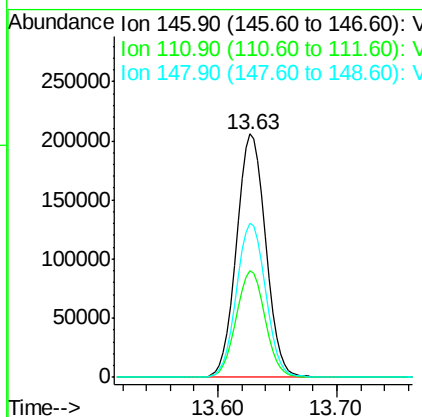
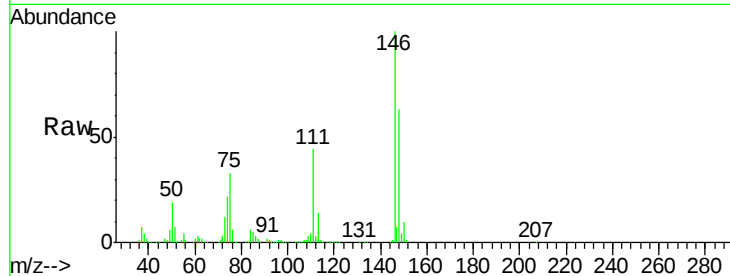
#91  
 1,2-Dichlorobenzene  
 Concen: 49.976 ug/l  
 RT: 13.63 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.3  | 22.2  | 66.6  |
| 148     | 63.6  | 32.5  | 97.4  |

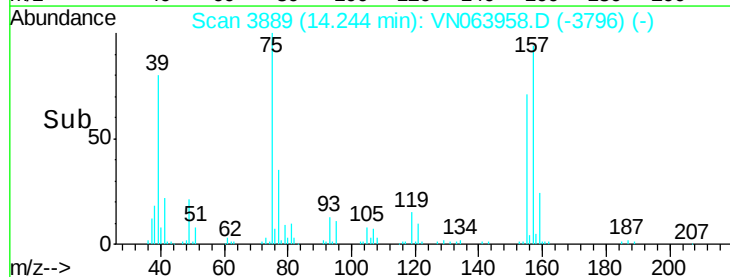
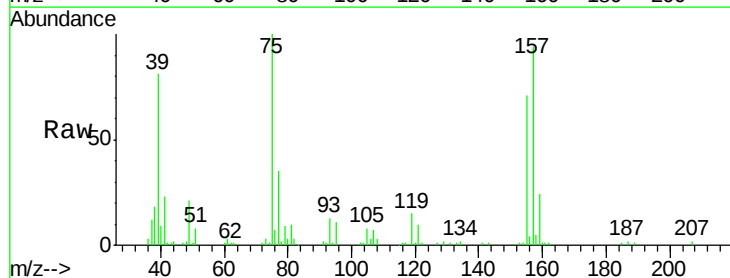
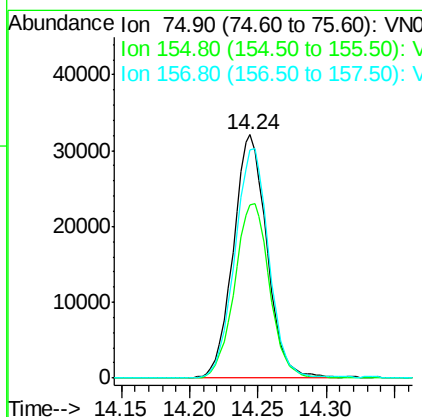
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.865 ug/l  
 RT: 14.24 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 74.2  | 34.8  | 104.5 |
| 157     | 95.2  | 43.7  | 131.1 |





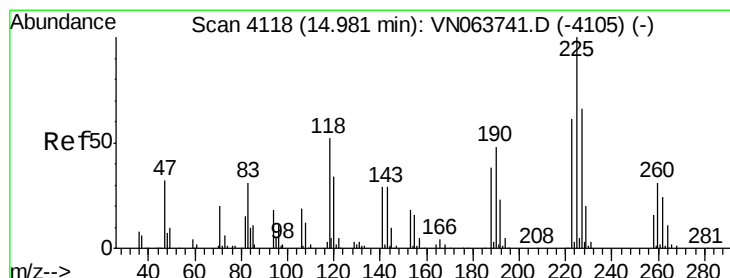
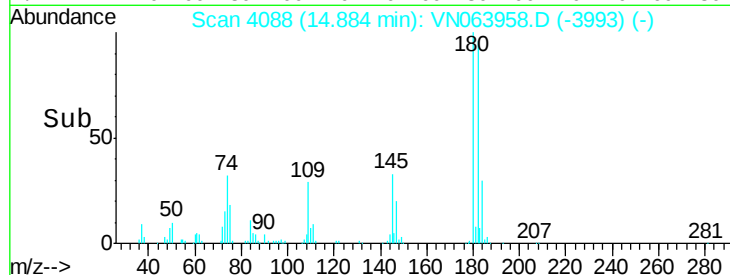
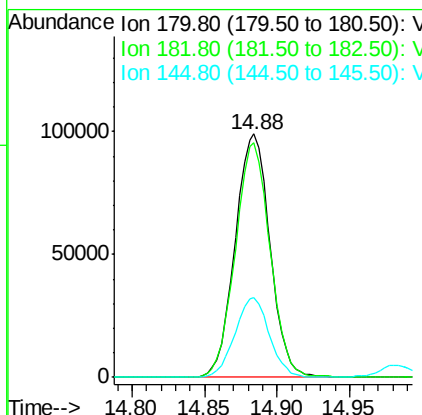
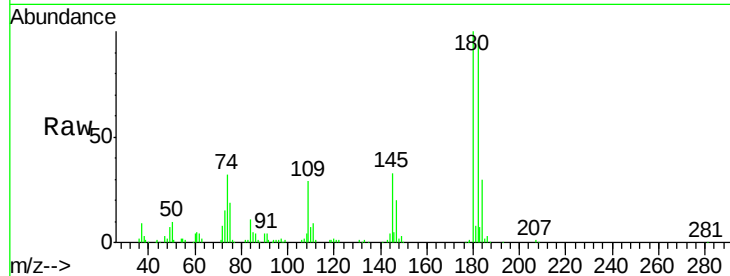
#93  
 1,2,4-Trichlorobenzene  
 Concen: 43.658 ug/l  
 RT: 14.88 min Scan# 4088  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 165614 |       |       |
| 182     | 95.8  | 48.2   | 144.6 |       |
| 145     | 32.1  | 17.1   | 51.2  |       |

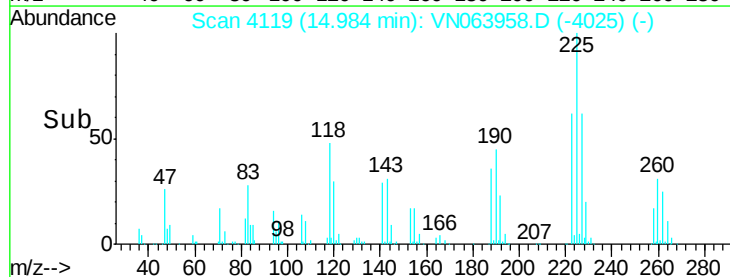
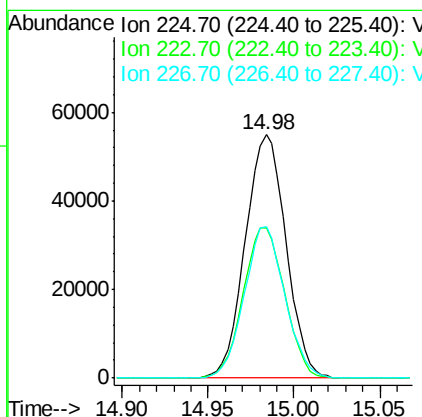
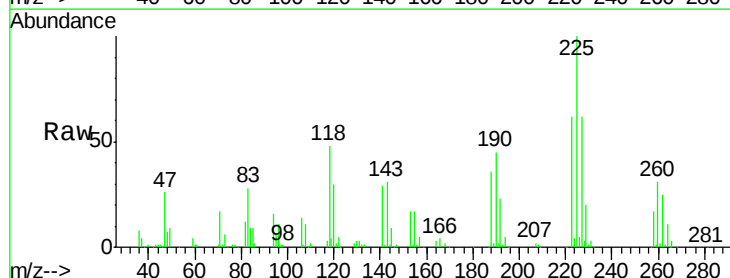
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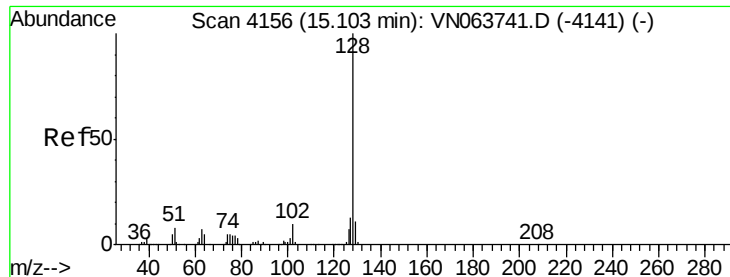
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 47.537 ug/l  
 RT: 14.98 min Scan# 4119  
 Delta R.T. 0.00 min  
 Lab File: VN063958.D  
 Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 90382 |       |       |
| 223     | 62.9  | 30.3  | 91.0  |       |
| 227     | 62.1  | 31.9  | 95.5  |       |





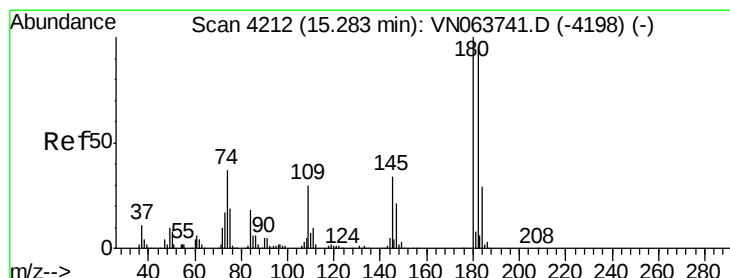
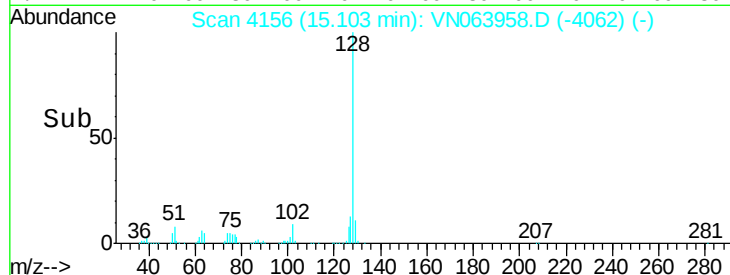
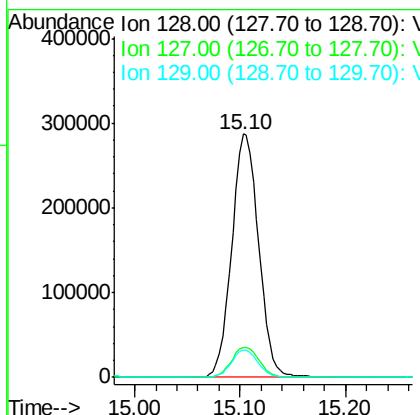
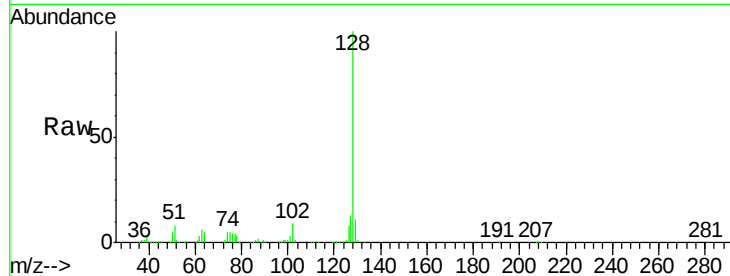
#95  
Naphthalene  
Concen: 43.109 ug/l  
RT: 15.10 min Scan# 4156  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 505382 |       |       |
| 127     | 12.9  |        | 10.5  | 15.7  |
| 129     | 11.0  |        | 8.7   | 13.1  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 44.742 ug/l  
RT: 15.28 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN063958.D  
Acq: 7 Oct 2020 21:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 164850 |       |       |
| 182     | 95.3  |        | 47.9  | 143.6 |
| 145     | 33.5  |        | 17.2  | 51.5  |

