

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082620\  
 Data File : VN063127.D  
 Acq On : 26 Aug 2020 12:39  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/27/2020 1:28:11 PM

Quant Time: Aug 26 15:55:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 19 06:09:27 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 202060   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 292738   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 278351   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 144849   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 109096   | 45.56 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.12%  |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 97508    | 51.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.24% |      |
| 50) Toluene-d8            | 10.06  | 98  | 388606   | 53.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.08% |      |
| 62) 4-Bromofluorobenzene  | 12.37  | 95  | 139148   | 53.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.64% |      |

## Target Compounds

|                               |      |     |         |         | Qvalue |     |
|-------------------------------|------|-----|---------|---------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 114856  | 43.544  | ug/l   | 99  |
| 3) Chloromethane              | 2.04 | 50  | 127739  | 46.107  | ug/l   | 100 |
| 4) Vinyl Chloride             | 2.17 | 62  | 127434  | 47.562  | ug/l   | 97  |
| 5) Bromomethane               | 2.54 | 94  | 73612   | 46.288  | ug/l   | 98  |
| 6) Chloroethane               | 2.68 | 64  | 76299   | 48.232  | ug/l   | 99  |
| 7) Trichlorofluoromethane     | 2.99 | 101 | 161460  | 48.322  | ug/l   | 98  |
| 8) Diethyl Ether              | 3.37 | 74  | 53732   | 45.457  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 83905   | 46.602  | ug/l   | 99  |
| 10) Methyl Iodide             | 3.91 | 142 | 103832  | 45.497  | ug/l   | 100 |
| 11) Tert butyl alcohol        | 4.73 | 59  | 64727   | 190.816 | ug/l   | 99  |
| 12) 1,1-Dichloroethene        | 3.70 | 96  | 73528   | 42.869  | ug/l   | 97  |
| 13) Acrolein                  | 3.58 | 56  | 1964    | 18.482  | ug/l   | 92  |
| 14) Allyl chloride            | 4.28 | 41  | 134132  | 44.354  | ug/l   | 98  |
| 15) Acrylonitrile             | 4.93 | 53  | 212320  | 212.958 | ug/l   | 99  |
| 16) Acetone                   | 3.78 | 43  | 155696  | 207.826 | ug/l   | 98  |
| 17) Carbon Disulfide          | 4.01 | 76  | 178906  | 39.829  | ug/l   | 99  |
| 18) Methyl Acetate            | 4.28 | 43  | 97671   | 41.040  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 289902  | 48.466  | ug/l   | 99  |
| 20) Methylene Chloride        | 4.50 | 84  | 97462   | 46.055  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 81966   | 45.665  | ug/l   | 99  |
| 22) Diisopropyl ether         | 5.90 | 45  | 339046  | 49.405  | ug/l   | 99  |
| 23) Vinyl Acetate             | 5.84 | 43  | 1009864 | 218.069 | ug/l   | 99  |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 176920  | 46.135  | ug/l   | 99  |
| 25) 2-Butanone                | 6.78 | 43  | 258708  | 203.483 | ug/l   | 99  |
| 26) 2,2-Dichloropropane       | 6.78 | 77  | 148084  | 49.101  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 104877  | 46.616  | ug/l   | 99  |
| 28) Bromochloromethane        | 7.15 | 49  | 95163   | 47.427  | ug/l   | 98  |
| 29) Tetrahydrofuran           | 7.17 | 42  | 162472  | 198.001 | ug/l   | 97  |
| 30) Chloroform                | 7.33 | 83  | 172184  | 44.582  | ug/l   | 98  |
| 31) Cyclohexane               | 7.61 | 56  | 154946  | 43.899  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 141828  | 44.981  | ug/l   | 98  |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 117082  | 45.385  | ug/l   | 99  |
| 37) Ethyl Acetate             | 6.88 | 43  | 100774  | 41.689  | ug/l   | 98  |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 120077  | 46.104  | ug/l   | 99  |

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

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/27/2020 1:28:11 PM

Quant Time: Aug 26 15:55:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 19 06:09:27 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 159790   | 46.007  | ug/l   | 98       |
| 40) Benzene                    | 8.00  | 78   | 374183   | 45.732  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.13  | 41   | 54600    | 47.408  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 122288   | 44.511  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.12  | 43   | 164419   | 41.057  | ug/l   | 97       |
| 44) Trichloroethene            | 8.80  | 130  | 97184    | 47.750  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 114424   | 48.380  | ug/l   | 98       |
| 46) Dibromomethane             | 9.17  | 93   | 64605    | 47.284  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.37  | 83   | 145962   | 48.775  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.17  | 41   | 85614    | 45.184  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.17  | 88   | 31495    | 759.089 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 550935   | 217.649 | ug/l   | 99       |
| 52) Toluene                    | 10.12 | 92   | 245852   | 49.810  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 157337   | 50.842  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 175008   | 51.552  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 101516   | 48.101  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 142424   | 43.914  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 168210   | 47.998  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 323828   | 400.899 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.72 | 43   | 403545   | 228.554 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.87 | 129  | 113570   | 48.626  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 96392    | 47.533  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.60 | 164  | 99948    | 54.625  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.41 | 112  | 269843   | 48.270  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 107454   | 49.418  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.48 | 91   | 484492   | 51.291  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.59 | 106  | 368126   | 104.856 | ug/l   | 100      |
| 69) o-Xylene                   | 11.92 | 106  | 175897   | 52.175  | ug/l   | 99       |
| 70) Styrene                    | 11.94 | 104  | 318233   | 47.660  | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 80685    | 46.619  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.22 | 105  | 477926   | 48.182  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.04 | 43   | 171094   | 48.160  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 137493   | 42.709  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 117181m  | 41.619  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 126652   | 46.425  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.57 | 91   | 571742   | 50.569  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 335382   | 47.161  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 418040   | 50.982  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 47022    | 45.868  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 355158   | 49.046  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 353620   | 49.966  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 423691   | 53.039  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 481458   | 50.336  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 444618   | 53.349  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 232850   | 49.664  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 232478   | 48.854  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.59 | 91   | 394604   | 49.959  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.85 | 117  | 75811    | 42.797  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 227016   | 50.127  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 24843    | 49.730  | ug/l   | 99       |

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

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

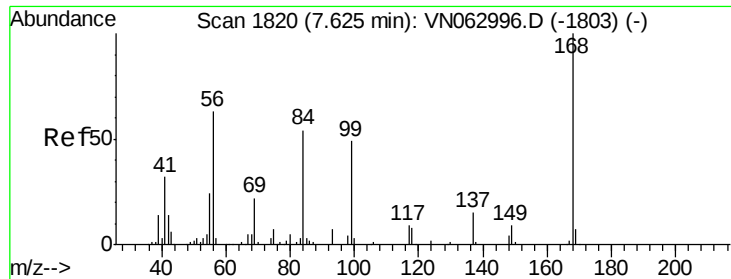
MMDadoda  
8/27/2020 1:28:11 PM

Quant Time: Aug 26 15:55:29 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 19 06:09:27 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 152606   | 59.809 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 73475    | 43.905 | ug/l  | 100      |
| 95) Naphthalene            | 15.10 | 128  | 371572   | 62.680 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 144116   | 57.883 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 202060

Ion Ratio Lower Upper

168 100

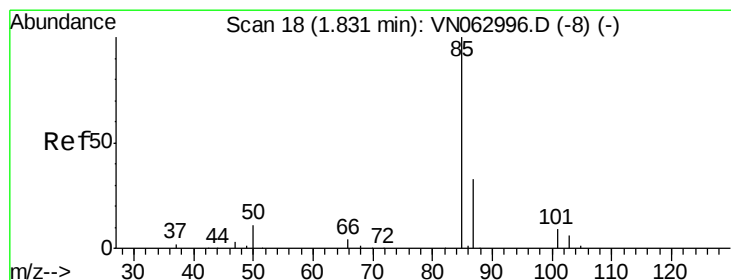
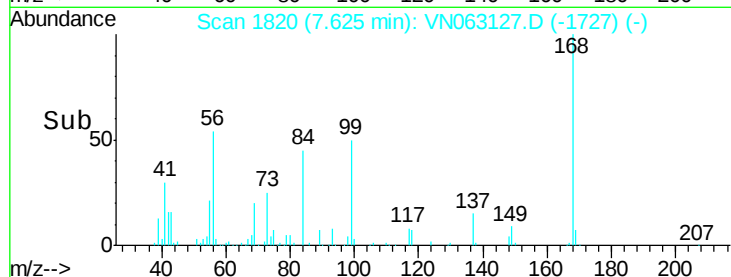
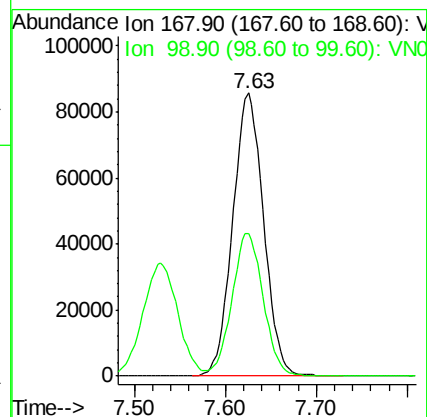
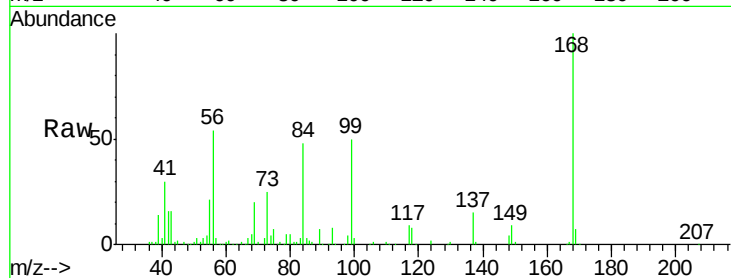
99 50.2 42.0 63.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 43.544 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN063127.D

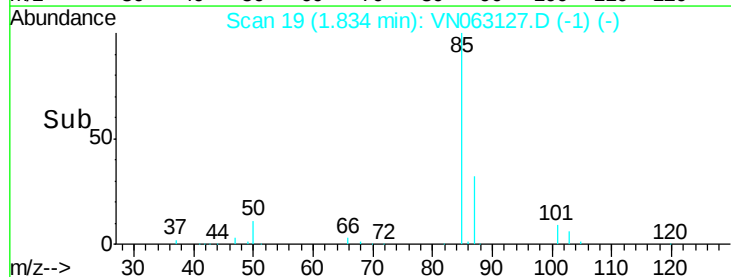
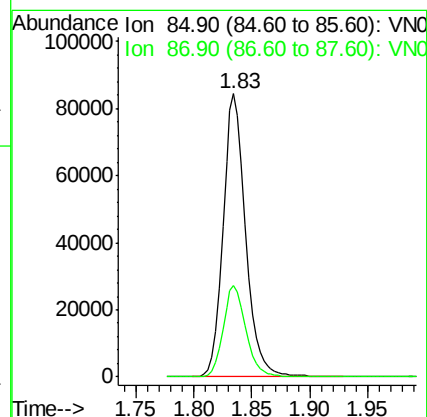
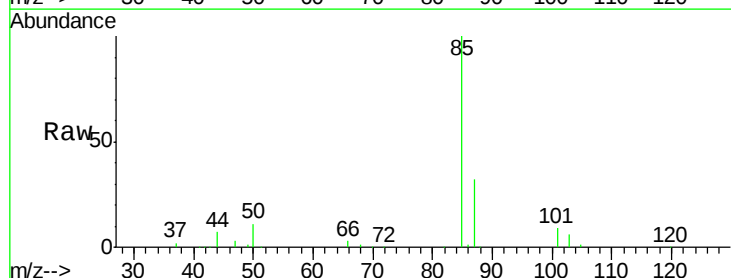
Acq: 26 Aug 2020 12:39

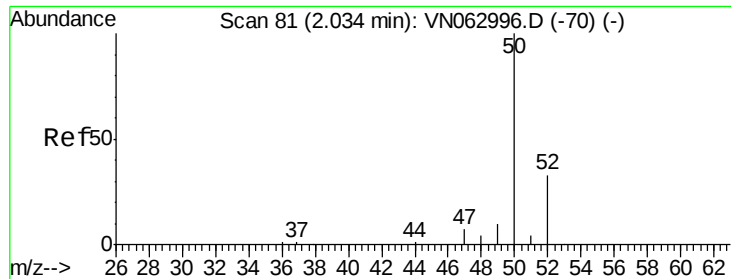
Tgt Ion: 85 Resp: 114856

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.4





#3

Chloromethane

Concen: 46.107 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 127739

Ion Ratio Lower Upper

50 100

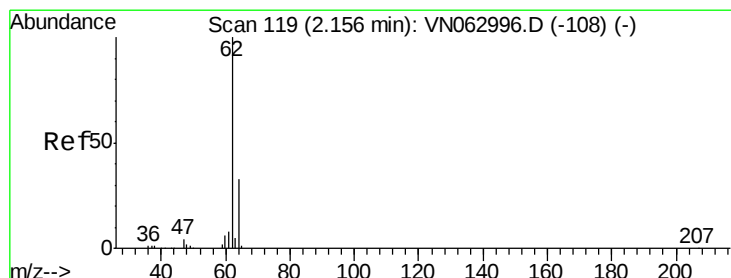
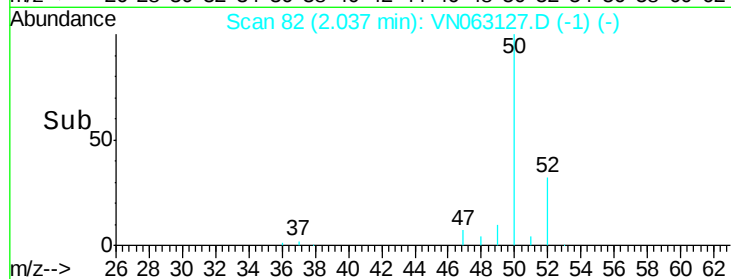
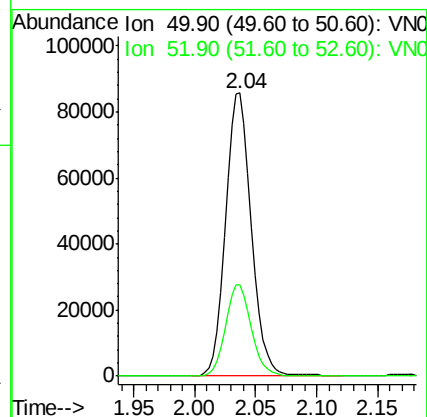
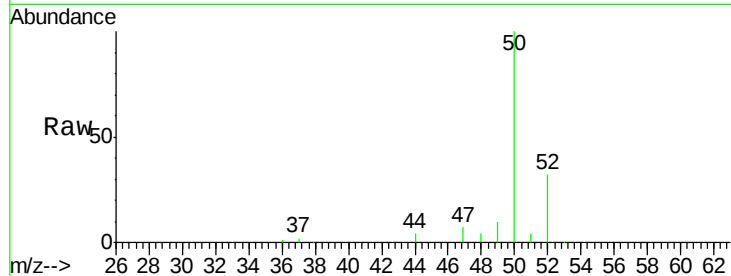
52 32.3 26.0 39.0

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 47.562 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN063127.D

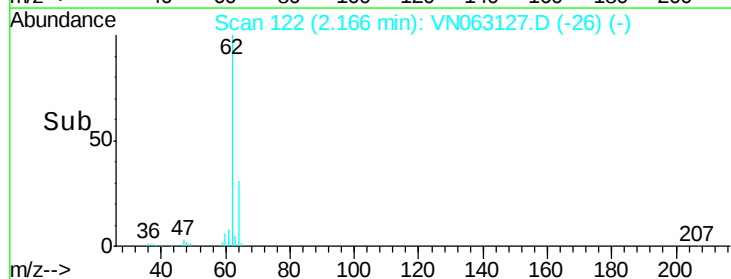
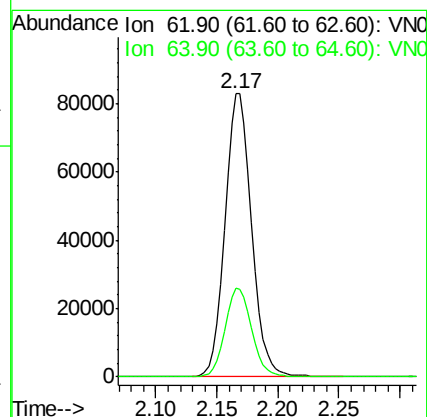
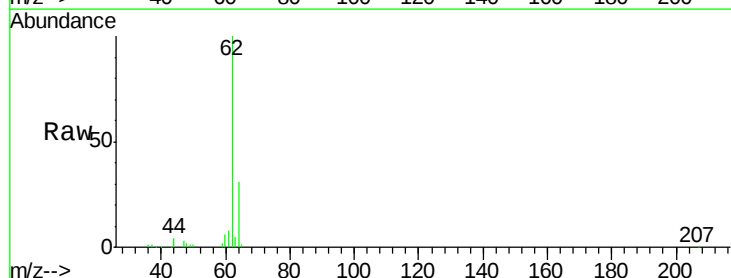
Acq: 26 Aug 2020 12:39

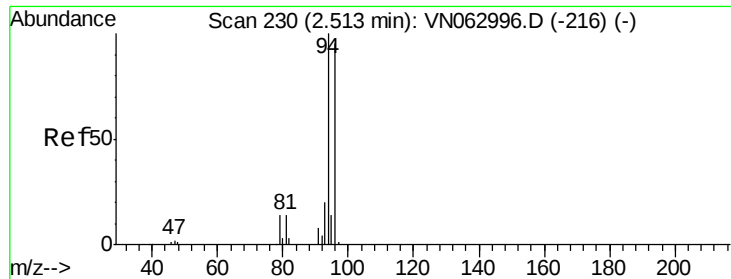
Tgt Ion: 62 Resp: 127434

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.2





#5

Bromomethane

Concen: 46.288 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.03 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 73612

Ion Ratio Lower Upper

94 100

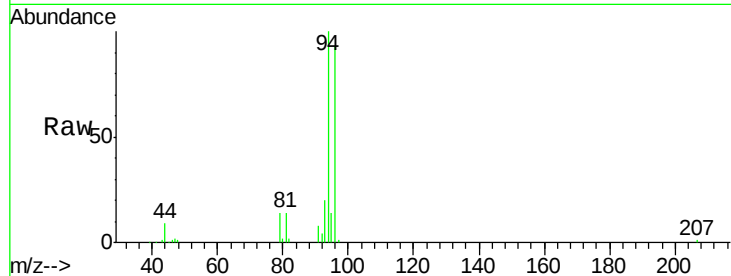
96 93.1 75.8 113.8

Manual Integrations

APPROVED

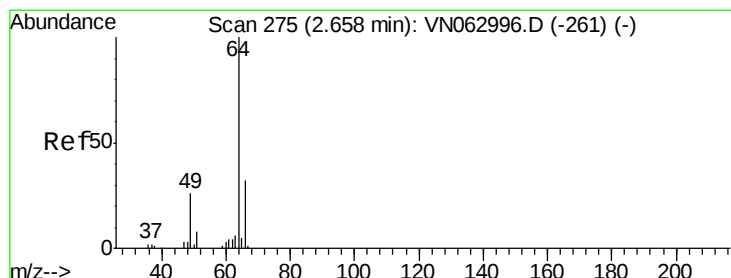
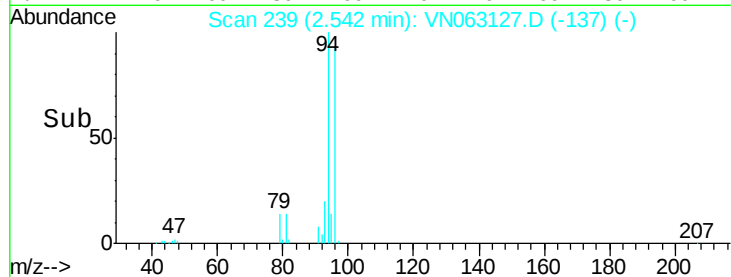
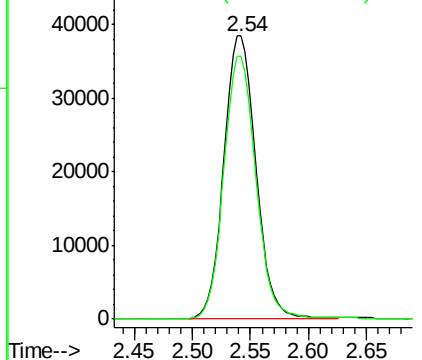
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.232 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.02 min

Lab File: VN063127.D

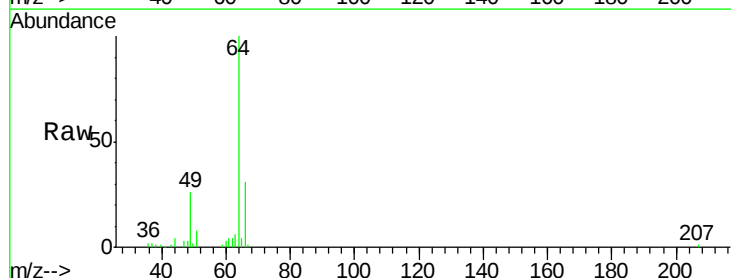
Acq: 26 Aug 2020 12:39

Tgt Ion: 64 Resp: 76299

Ion Ratio Lower Upper

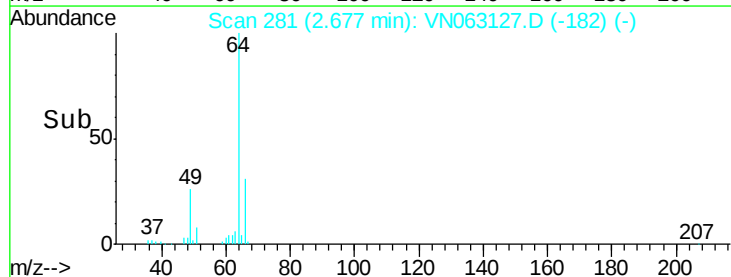
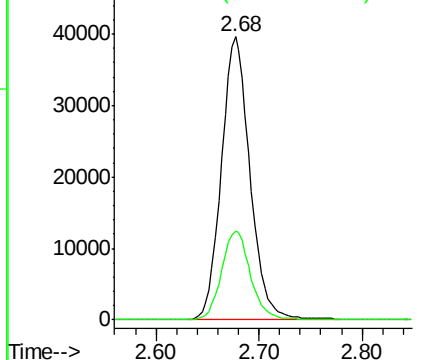
64 100

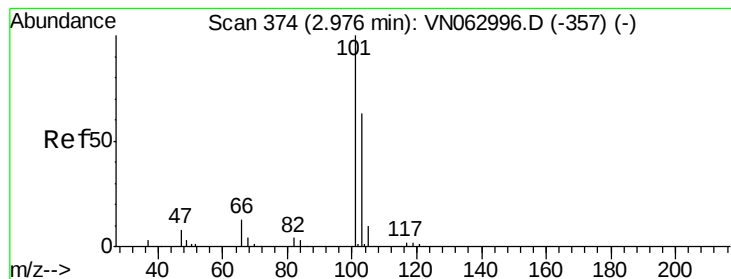
66 31.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

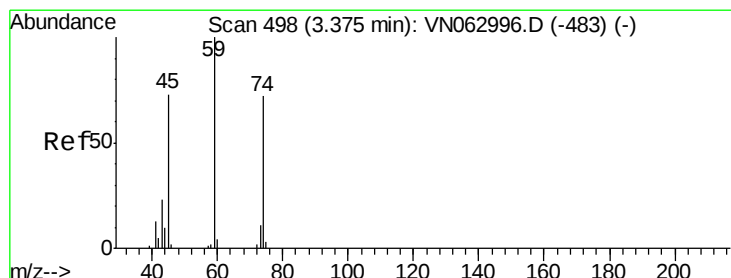
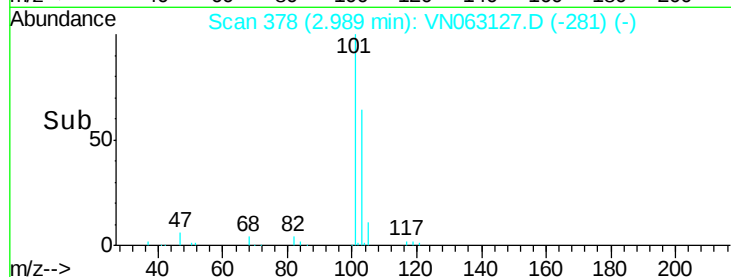
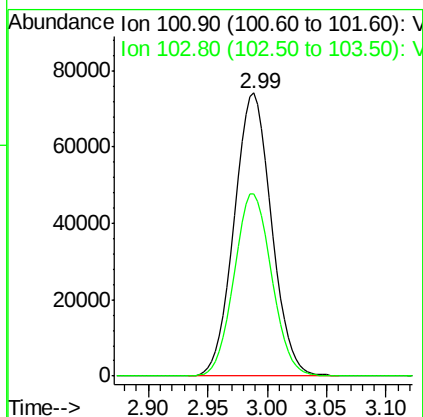
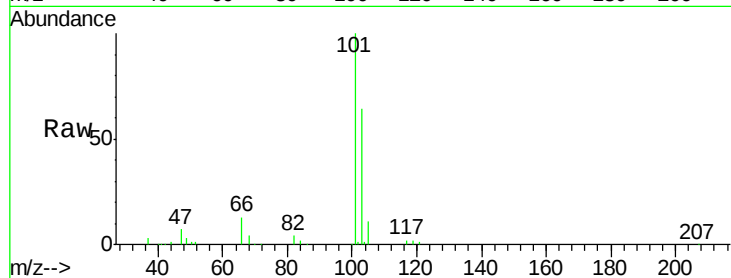
Trichlorofluoromethane  
 Concen: 48.322 ug/l  
 RT: 2.99 min Scan# 378  
 Delta R.T. 0.01 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.4  | 50.5  | 75.7  |

Manual Integrations  
 APPROVED

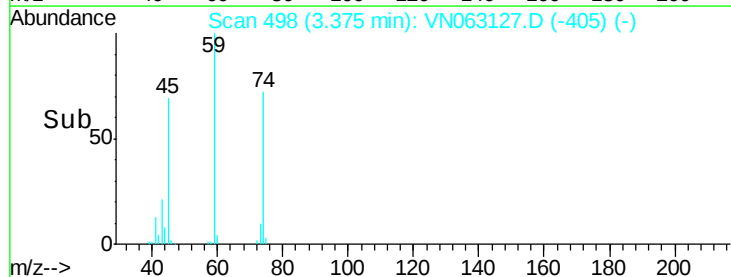
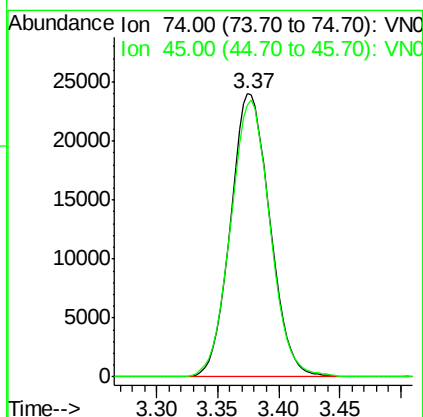
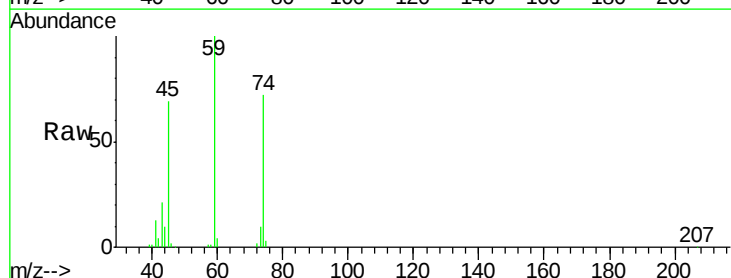
MMDadoda  
 8/27/2020 1:28:11 PM

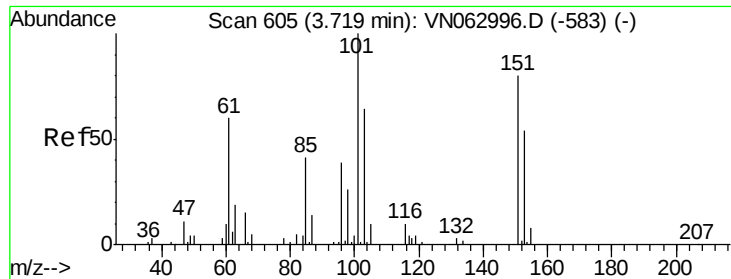


#8

Diethyl Ether  
 Concen: 45.457 ug/l  
 RT: 3.37 min Scan# 498  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.3  | 49.9  | 149.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.602 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

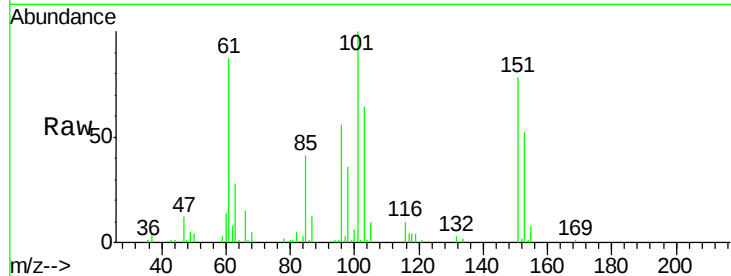
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 83905 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.2  | 34.0  | 51.0  |
| 151       | 81.3  | 65.8  | 98.8  |

Manual Integrations  
APPROVED

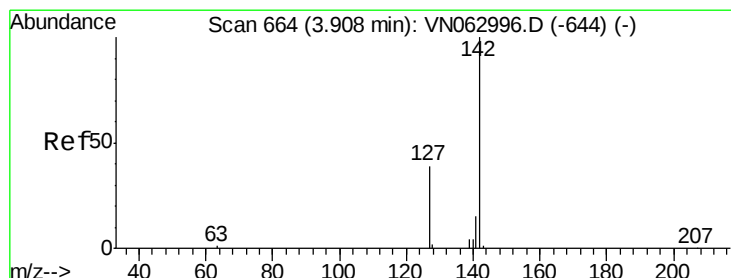
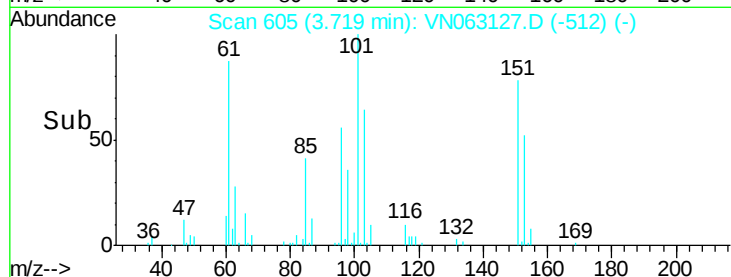
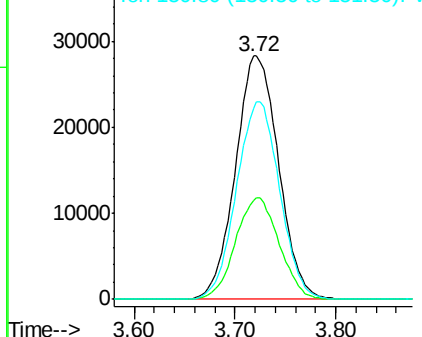
MMDadoda  
8/27/2020 1:28:11 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.497 ug/l

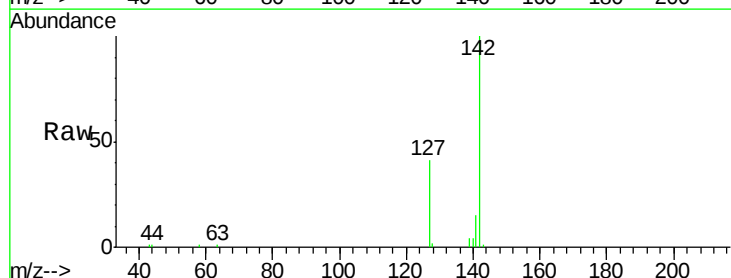
RT: 3.91 min Scan# 666

Delta R.T. 0.01 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

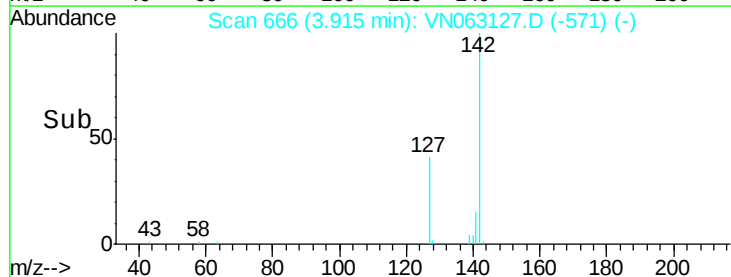
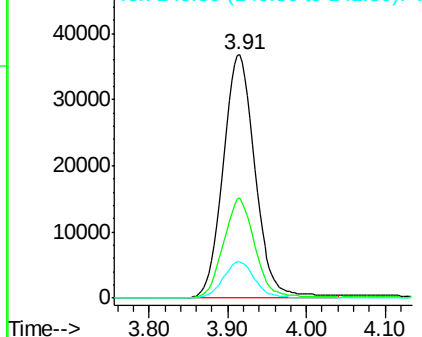
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 103832 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 40.2  | 32.2  | 48.4   |
| 141       | 14.5  | 11.3  | 16.9   |

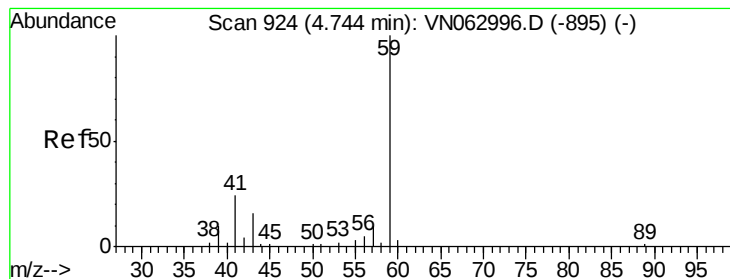


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

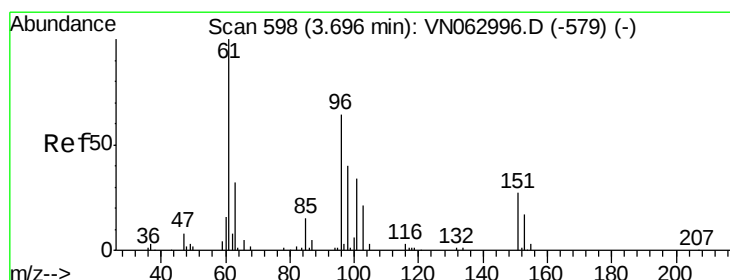
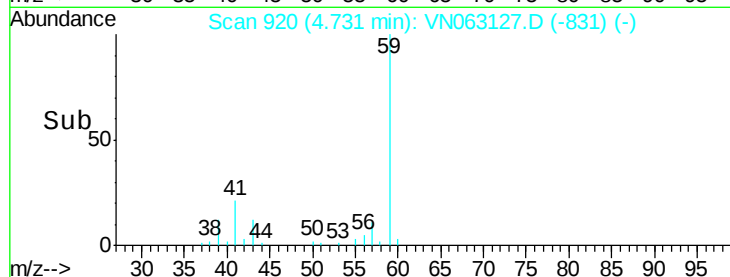
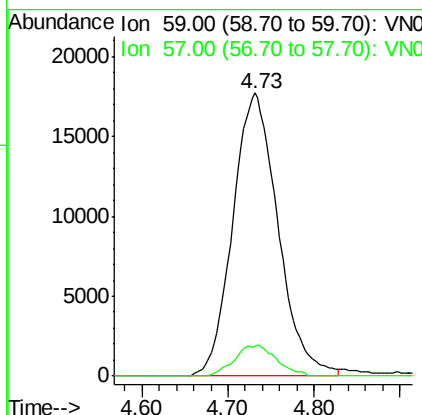
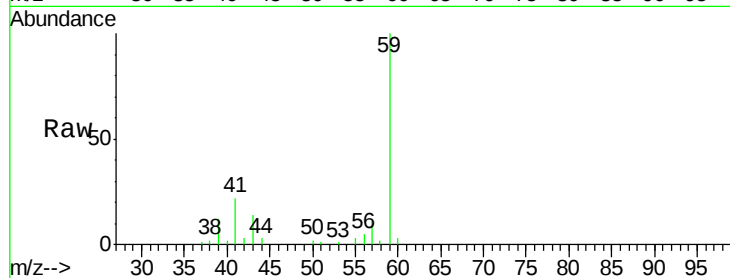
Tert butyl alcohol  
 Concen: 190.816 ug/l  
 RT: 4.73 min Scan# 920  
 Delta R.T. -0.01 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | 59  | 57   | Ratio | 100 | 10.2 | Resp | Lower | Upper |
|---------|-----|------|-------|-----|------|------|-------|-------|
| 59      | 100 |      |       |     |      |      |       |       |
| 57      |     | 10.2 |       |     |      | 7.8  | 11.6  |       |

Manual Integrations  
 APPROVED

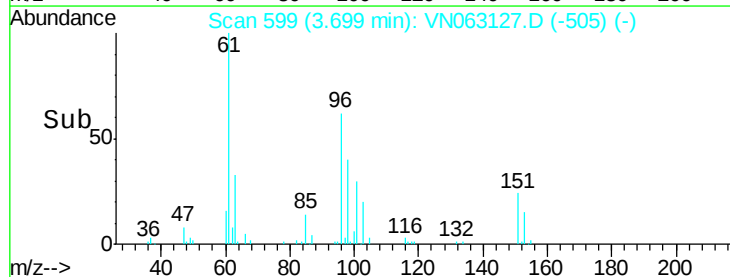
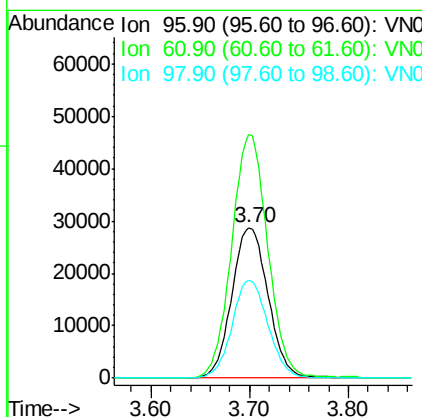
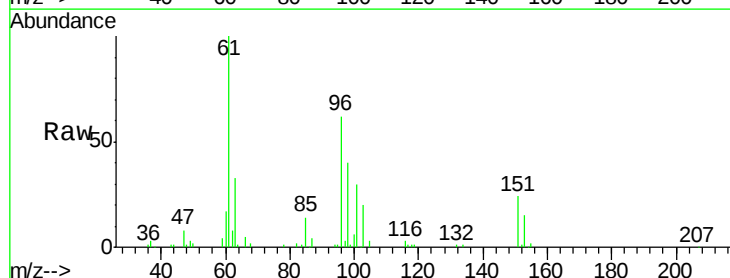
MMDadoda  
 8/27/2020 1:28:11 PM

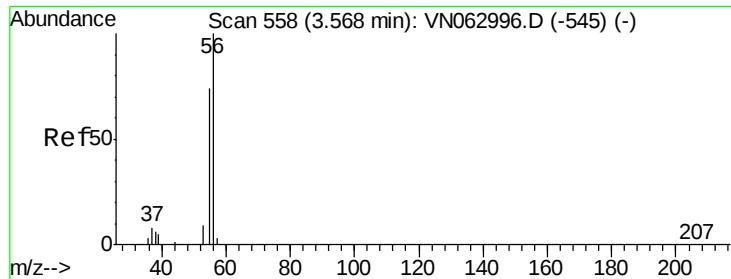


#12

1,1-Dichloroethene  
 Concen: 42.869 ug/l  
 RT: 3.70 min Scan# 599  
 Delta R.T. 0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | 96  | 61    | 98 | Ratio | 100 | 161.7 | 65.0  | Resp | Lower | Upper |
|---------|-----|-------|----|-------|-----|-------|-------|------|-------|-------|
| 96      | 100 |       |    |       |     |       |       |      |       |       |
| 61      |     | 161.7 |    |       |     | 125.5 | 188.3 |      |       |       |
| 98      |     | 65.0  |    |       |     | 50.4  | 75.6  |      |       |       |





#13

Acrolein

Concen: 18.482 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 1964

Ion Ratio Lower Upper

56 100

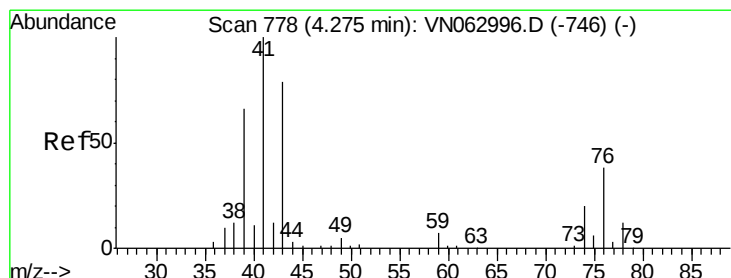
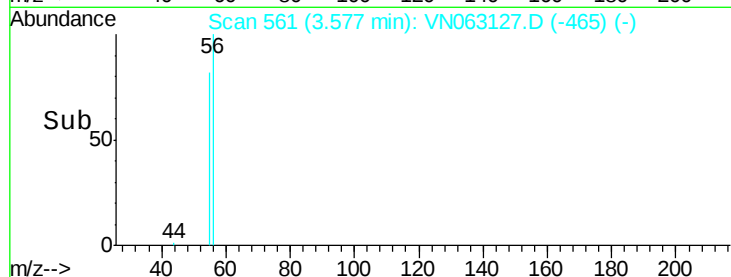
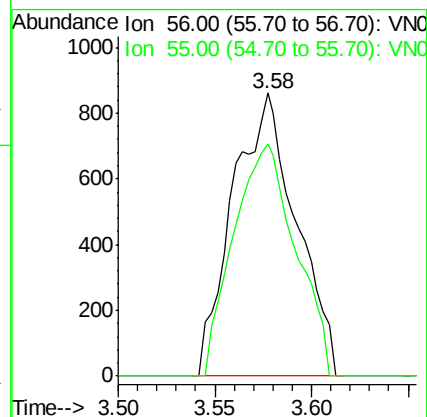
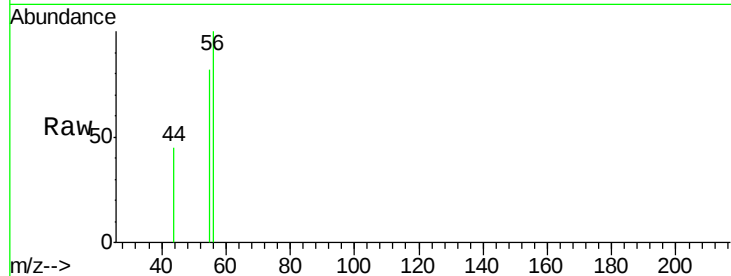
55 80.0 58.4 87.6

Manual Integrations

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MMDadoda

8/27/2020 1:28:11 PM



#14

Allyl chloride

Concen: 44.354 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

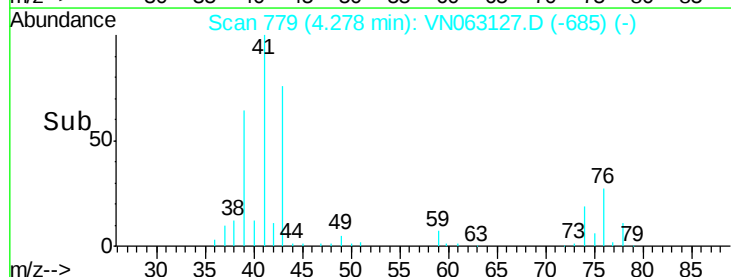
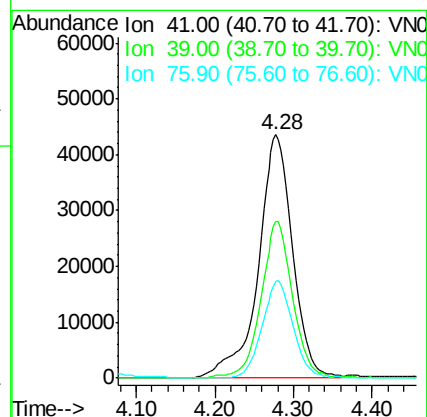
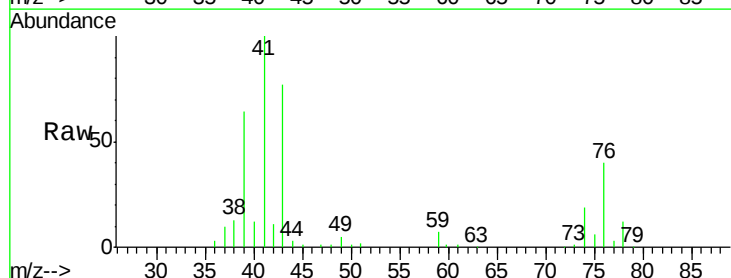
Tgt Ion: 41 Resp: 134132

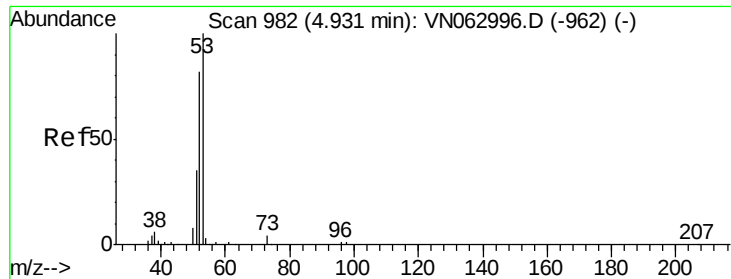
Ion Ratio Lower Upper

41 100

39 59.4 47.9 71.9

76 35.9 27.0 40.6





#15

Acrylonitrile

Concen: 212.958 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

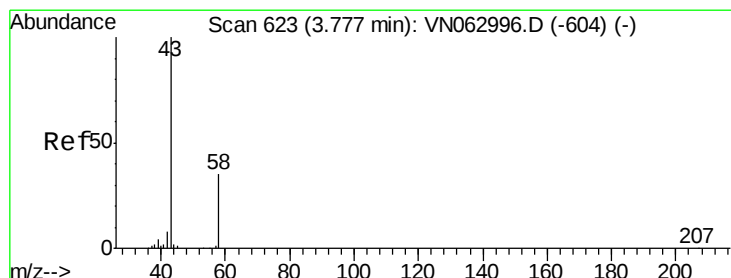
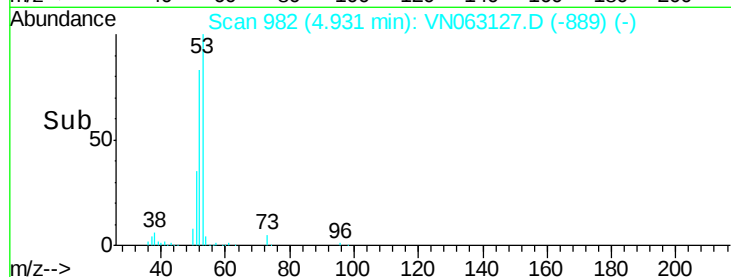
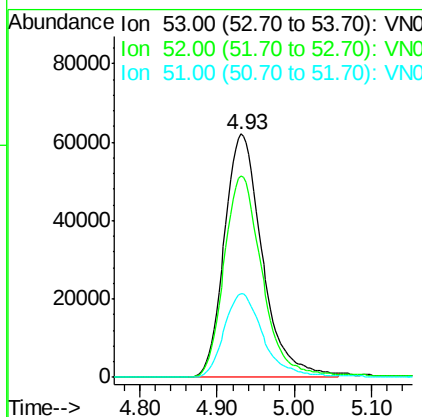
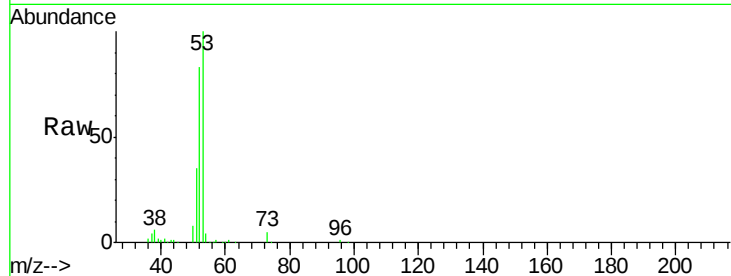
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 212320 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.7  | 65.6  | 98.4   |
| 51        | 35.5  | 28.2  | 42.4   |

Manual Integrations  
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MMDadoda  
8/27/2020 1:28:11 PM



#16

Acetone

Concen: 207.826 ug/l

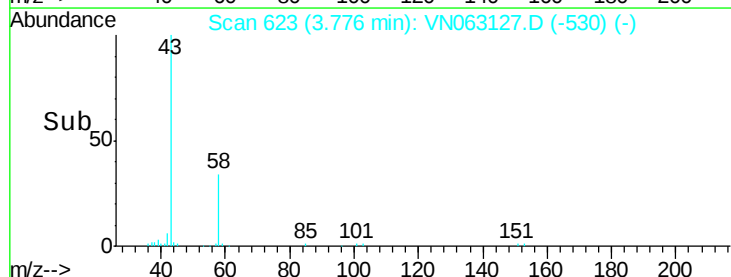
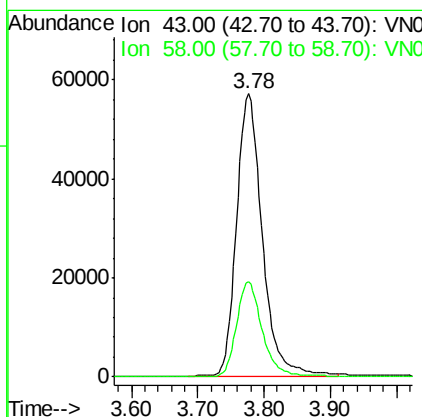
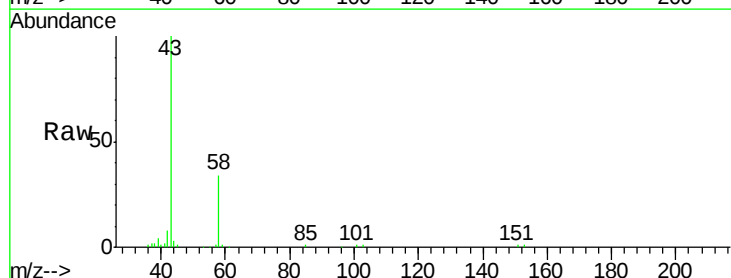
RT: 3.78 min Scan# 623

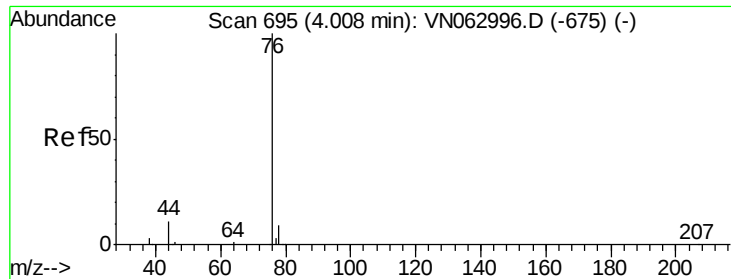
Delta R.T. 0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 155696 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.7  | 27.8  | 41.6   |





#17

Carbon Disulfide

Concen: 39.829 ug/l

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 178906

Ion Ratio Lower Upper

76 100

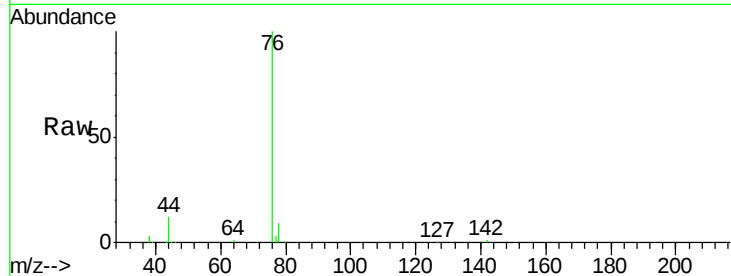
78 8.8 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

8/27/2020 1:28:11 PM



Abundance Ion 75.90 (75.60 to 76.60): VN063127.D (-602) (-)

Ion 77.90 (77.60 to 78.60): VN063127.D (-602) (-)

4.01

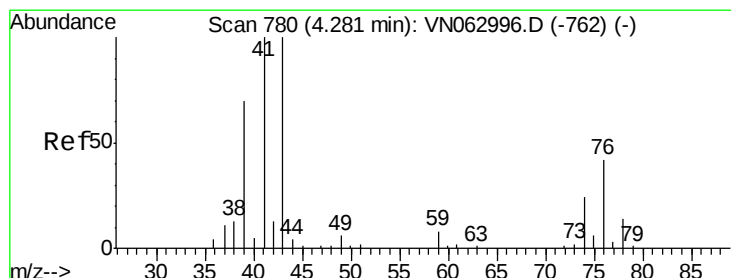
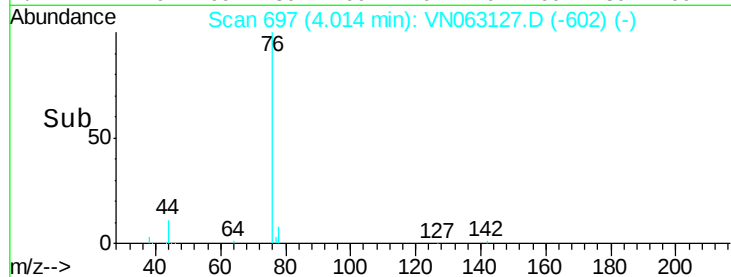
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 41.040 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN063127.D

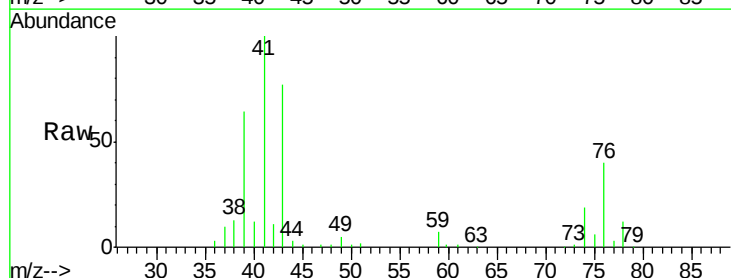
Acq: 26 Aug 2020 12:39

Tgt Ion: 43 Resp: 97671

Ion Ratio Lower Upper

43 100

74 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN063127.D (-687) (-)

Ion 74.00 (73.70 to 74.70): VN063127.D (-687) (-)

4.28

40000

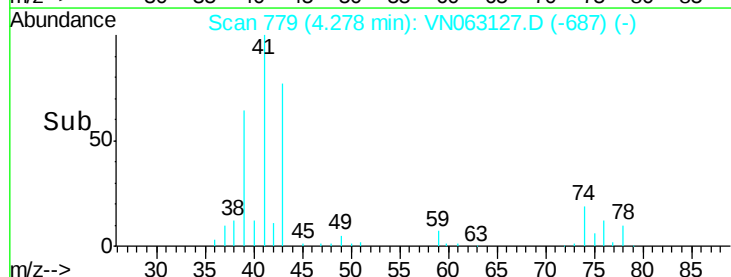
30000

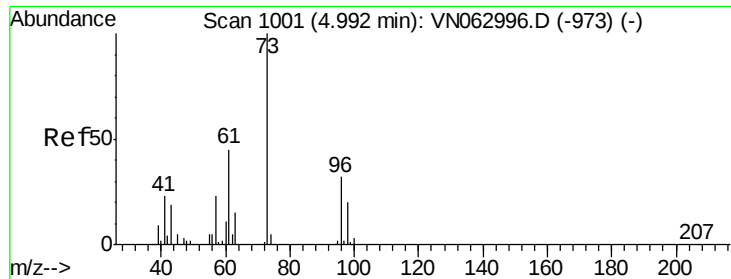
20000

10000

0

Time-->





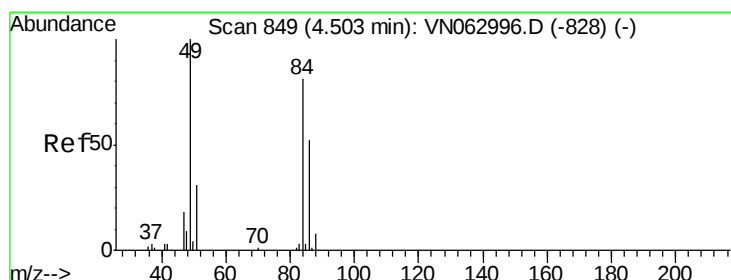
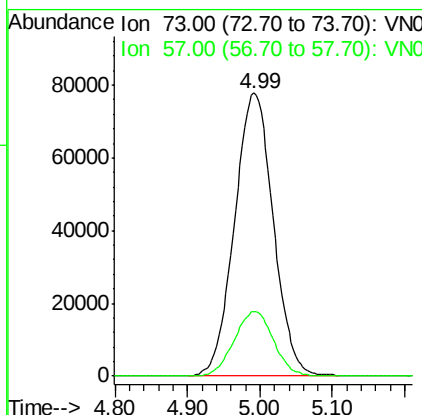
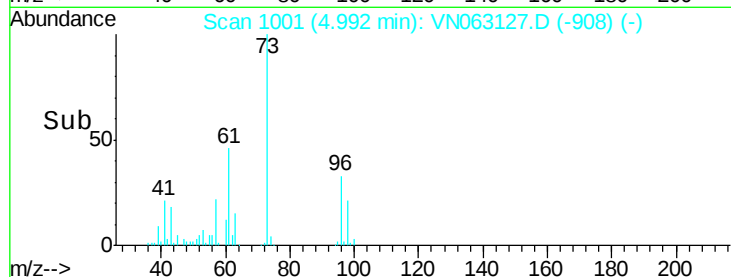
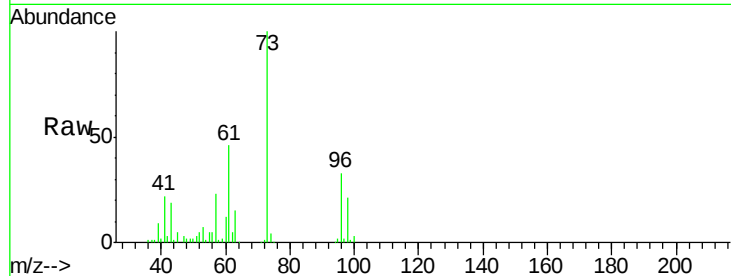
#19  
Methvl tert-butvl Ether  
Concen: 48.466 ug/l  
RT: 4.99 min Scan# 1001  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 289902  
Ion Ratio Lower Upper  
73 100  
57 23.0 18.1 27.1

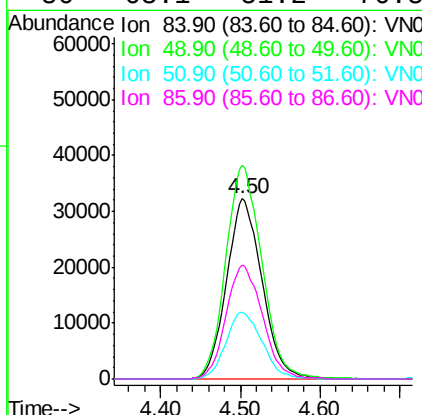
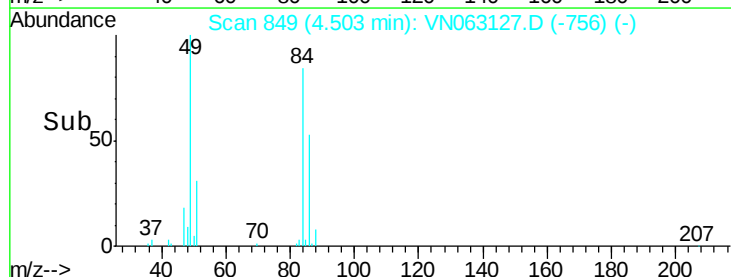
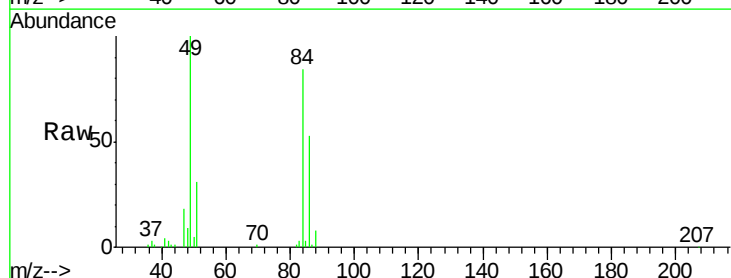
Manual Integrations  
APPROVED

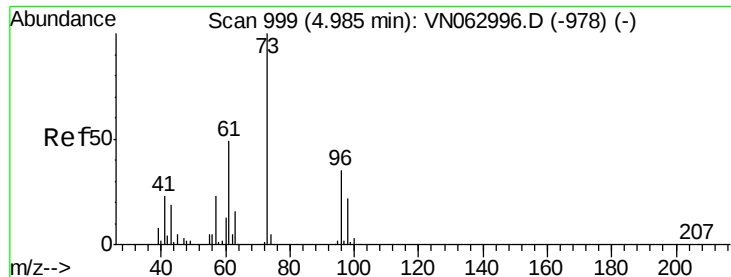
MMDadoda  
8/27/2020 1:28:11 PM



#20  
Methylene Chloride  
Concen: 46.055 ug/l  
RT: 4.50 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Tgt Ion: 84 Resp: 97462  
Ion Ratio Lower Upper  
84 100  
49 118.5 98.7 148.1  
51 37.0 30.8 46.2  
86 63.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 45.665 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

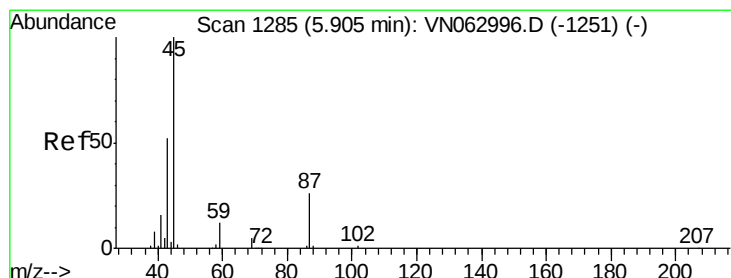
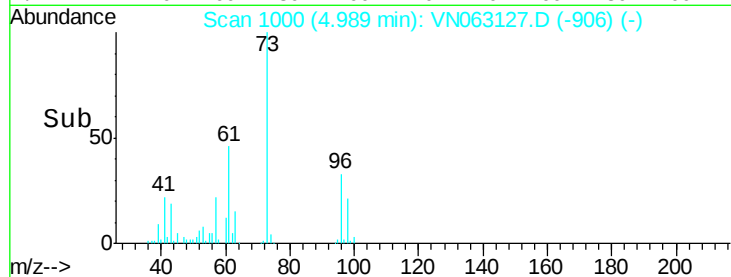
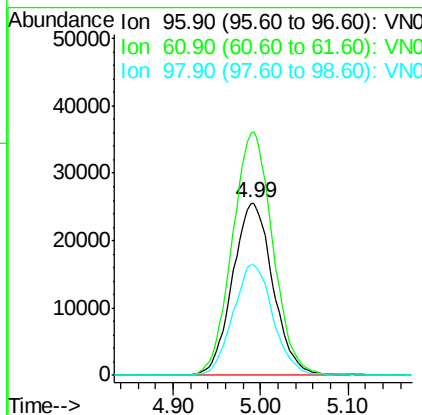
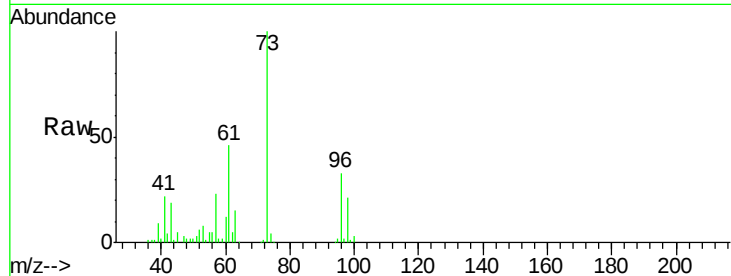
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 81966 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 140.4 | 112.5 | 168.7 |
| 98       | 64.2  | 49.4  | 74.0  |

Manual Integrations  
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MMDadoda  
8/27/2020 1:28:11 PM



#22

Diisopropyl ether

Concen: 49.405 ug/l

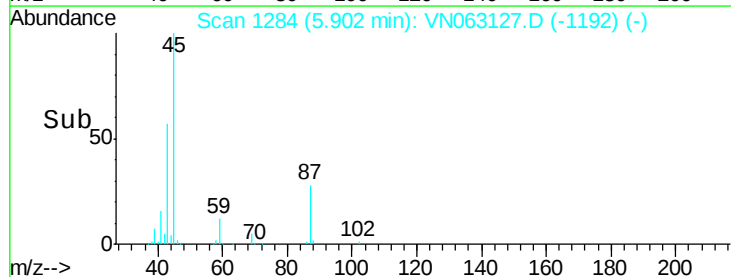
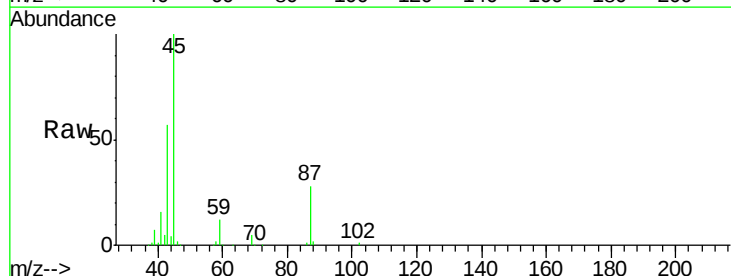
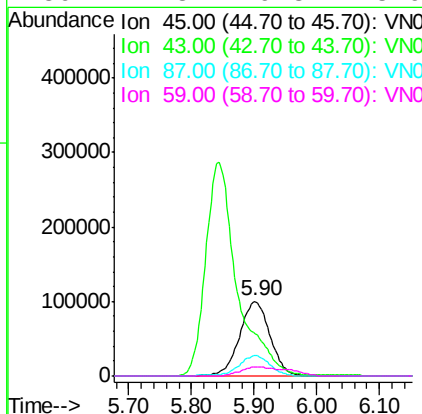
RT: 5.90 min Scan# 1284

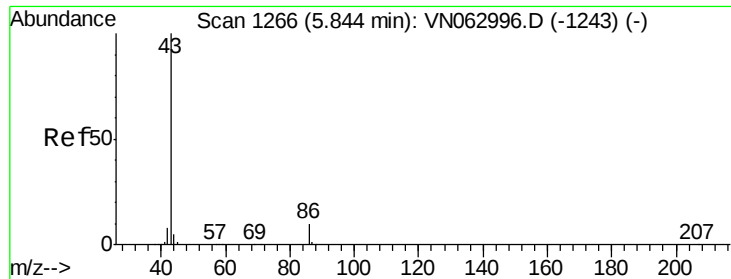
Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 339046 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 55.9  | 45.7  | 68.5   |
| 87       | 27.5  | 21.8  | 32.6   |
| 59       | 11.8  | 9.3   | 13.9   |





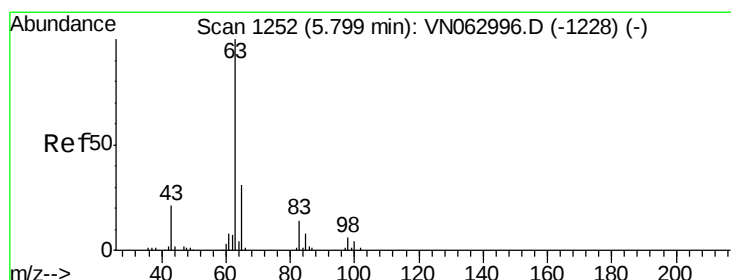
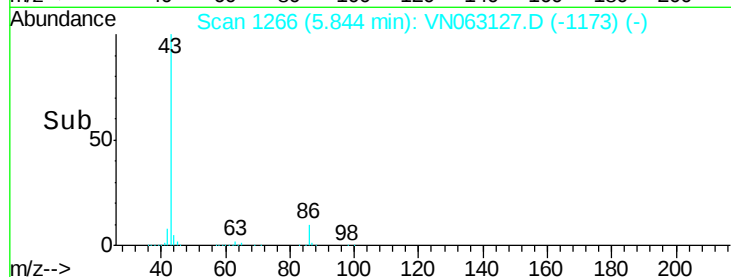
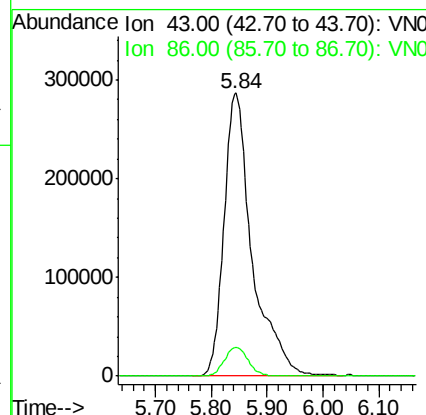
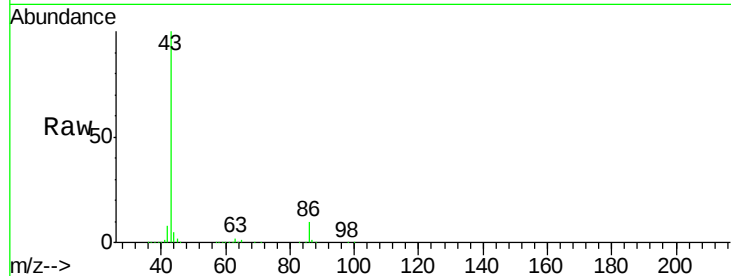
#23  
 Vinyl Acetate  
 Concen: 218.069 ug/l  
 RT: 5.84 min Scan# 1266  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 1009864  
 Ion Ratio Lower Upper  
 43 100  
 86 10.2 8.0 12.0

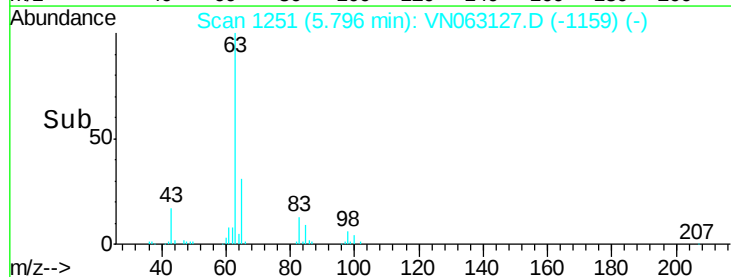
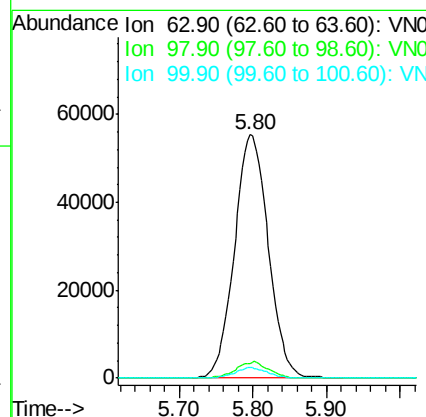
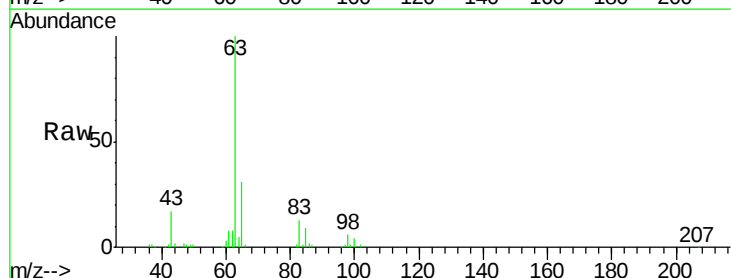
Manual Integrations  
 APPROVED

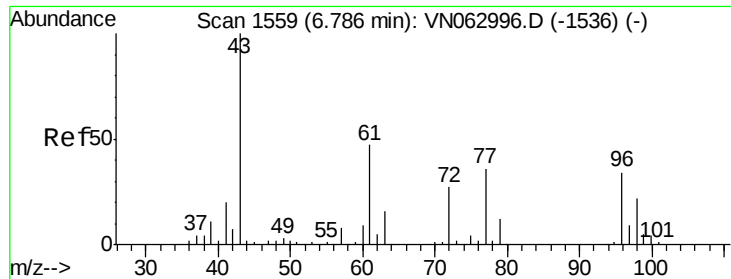
MMDadoda  
 8/27/2020 1:28:11 PM



#24  
 1,1-Dichloroethane  
 Concen: 46.135 ug/l  
 RT: 5.80 min Scan# 1251  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Tgt Ion: 63 Resp: 176920  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 2.9 8.7  
 100 4.2 2.0 5.8





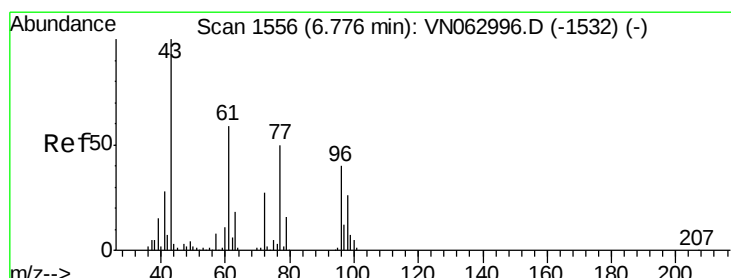
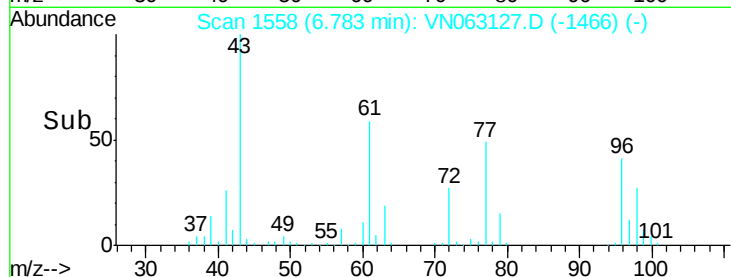
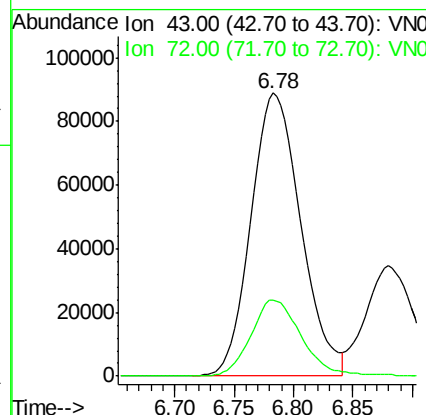
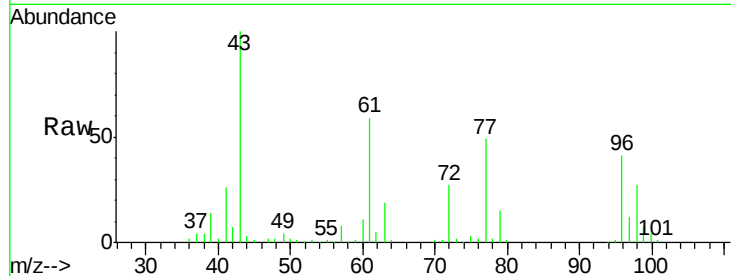
#25  
2-Butanone  
Concen: 203.483 ug/l  
RT: 6.78 min Scan# 1558  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 258708  
Ion Ratio Lower Upper  
43 100  
72 26.9 21.8 32.6

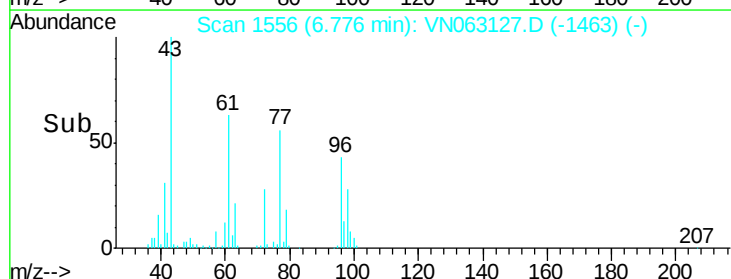
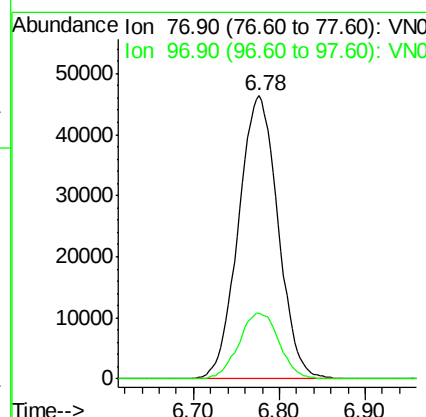
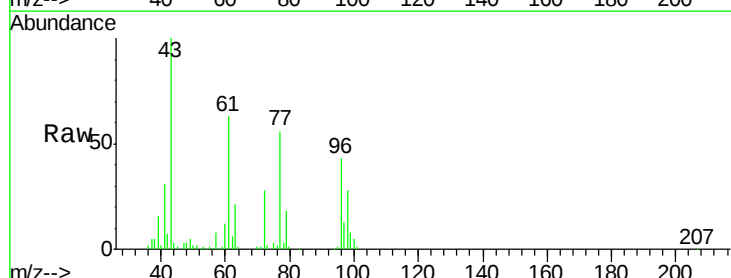
Manual Integrations  
APPROVED

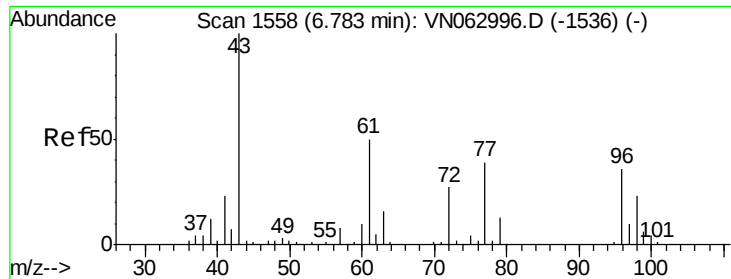
MMDadoda  
8/27/2020 1:28:11 PM



#26  
2,2-Dichloropropane  
Concen: 49.101 ug/l  
RT: 6.78 min Scan# 1556  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Tgt Ion: 77 Resp: 148084  
Ion Ratio Lower Upper  
77 100  
97 23.7 11.7 35.1





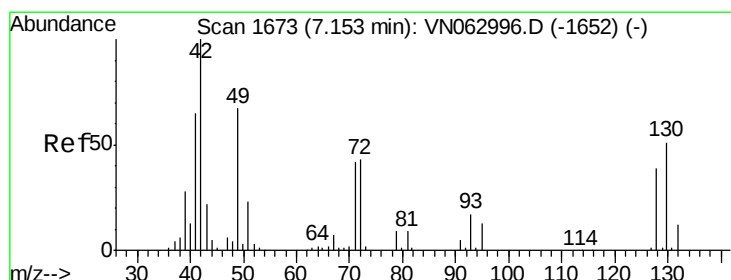
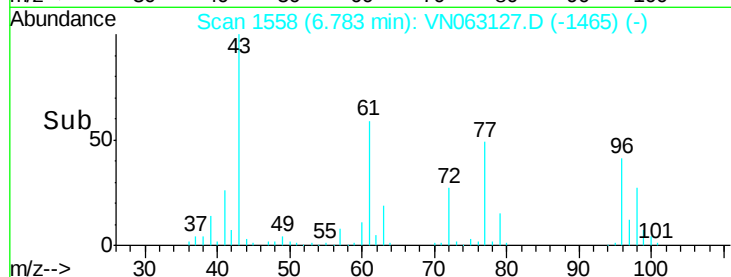
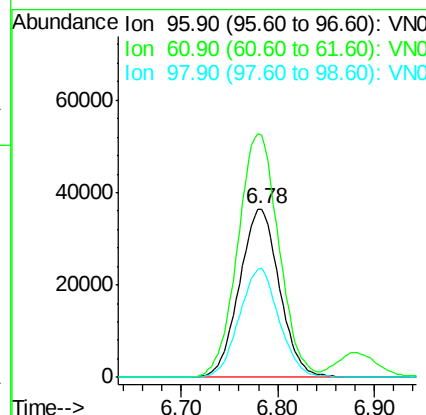
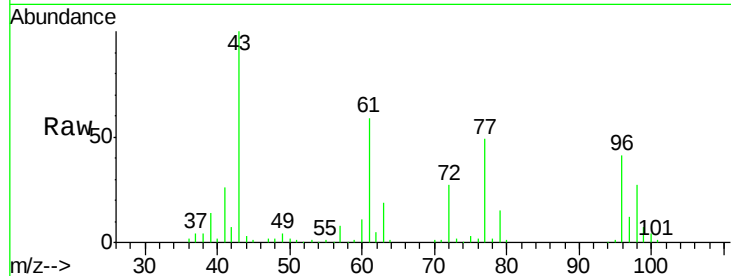
#27  
 cis-1,2-Dichloroethene  
 Concen: 46.616 ug/l  
 RT: 6.78 min Scan# 1558  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 147.9 | 0.0  | 292.8 |       |
| 98      | 64.4  | 0.0  | 130.6 |       |

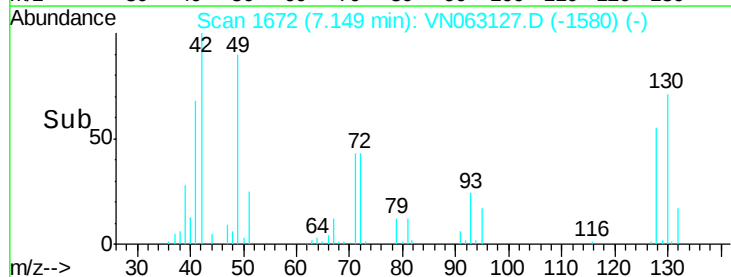
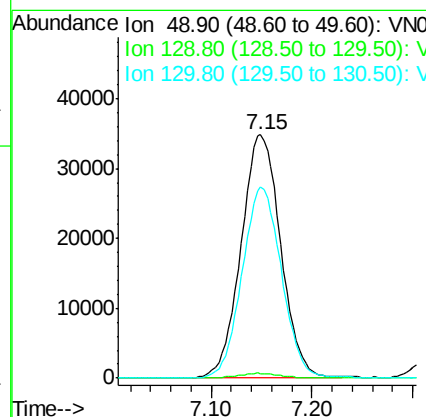
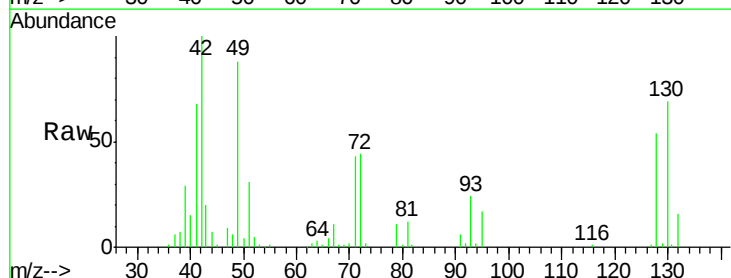
Manual Integrations  
 APPROVED

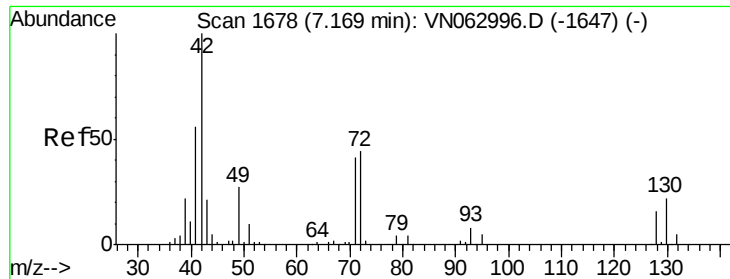
MMDadoda  
 8/27/2020 1:28:11 PM



#28  
 Bromochloromethane  
 Concen: 47.427 ug/l  
 RT: 7.15 min Scan# 1672  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.9   | 0.0  | 3.6   |       |
| 130     | 77.8  | 61.1 | 91.7  |       |





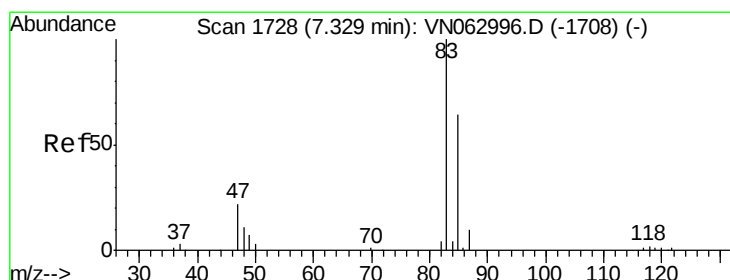
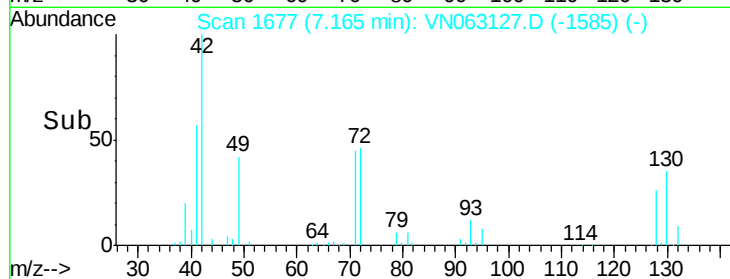
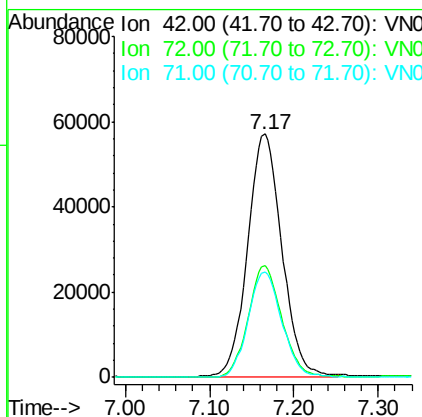
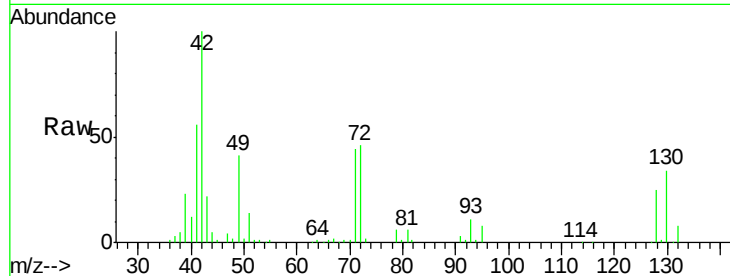
#29  
Tetrahydrofuran  
Concen: 198.001 ug/l  
RT: 7.17 min Scan# 1677  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.8  | 34.6  | 52.0  |
| 71      | 42.4  | 32.3  | 48.5  |

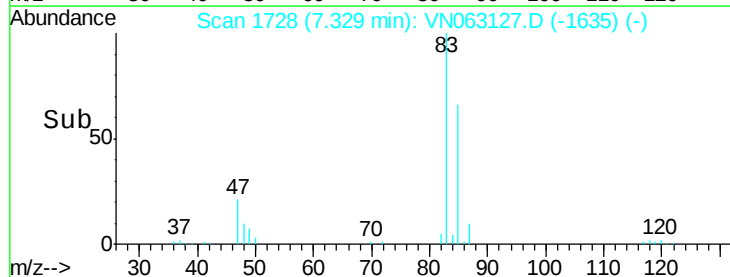
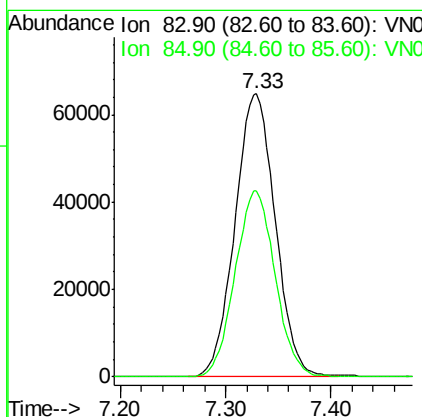
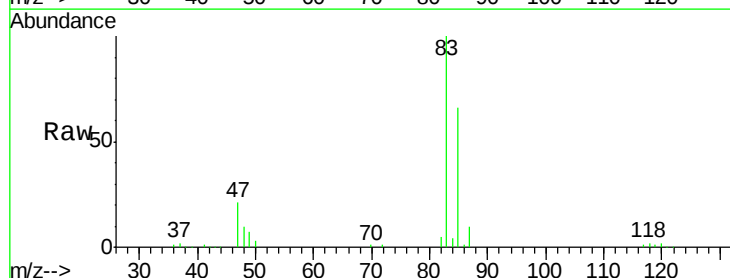
Manual Integrations  
APPROVED

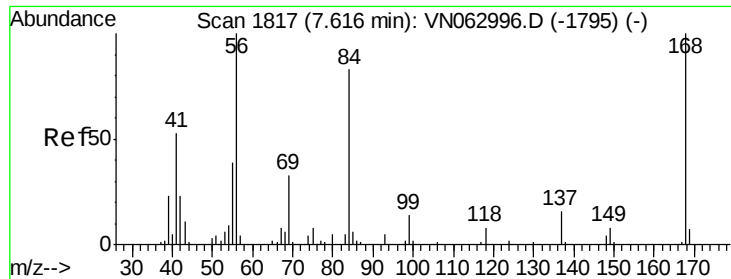
MMDadoda  
8/27/2020 1:28:11 PM



#30  
Chloroform  
Concen: 44.582 ug/l  
RT: 7.33 min Scan# 1728  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.8  | 51.5  | 77.3  |





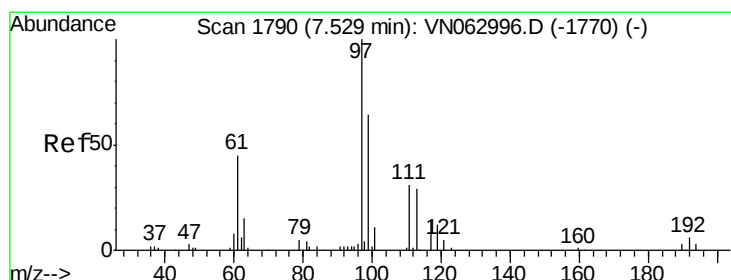
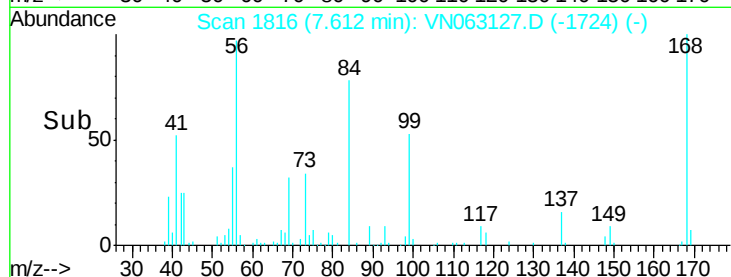
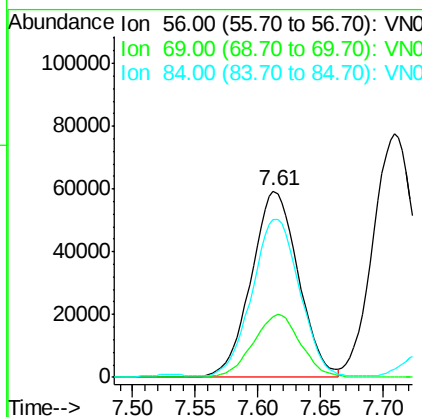
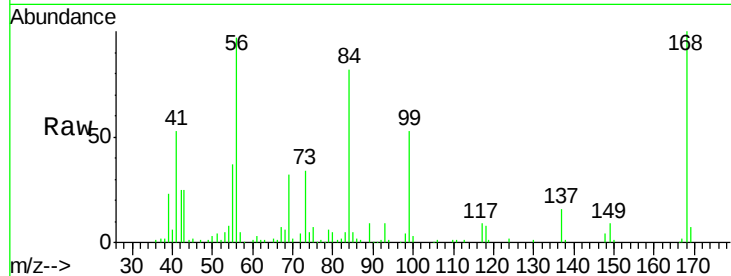
#31  
Cyclohexane  
Concen: 43.899 ug/l  
RT: 7.61 min Scan# 1816  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.6  | 26.6  | 40.0  |
| 84      | 83.9  | 66.4  | 99.6  |

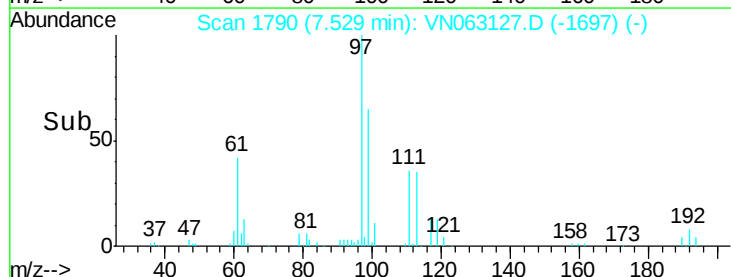
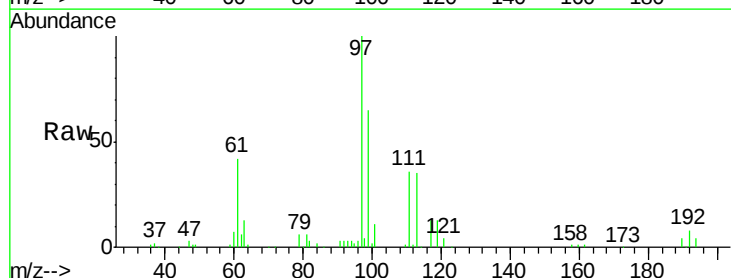
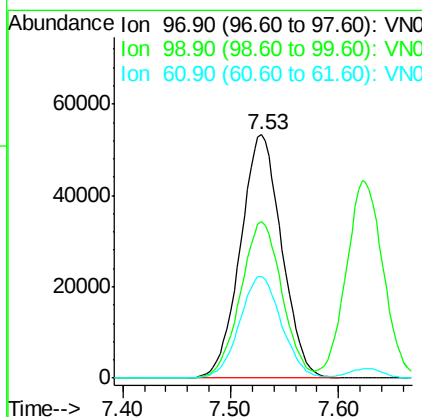
Manual Integrations  
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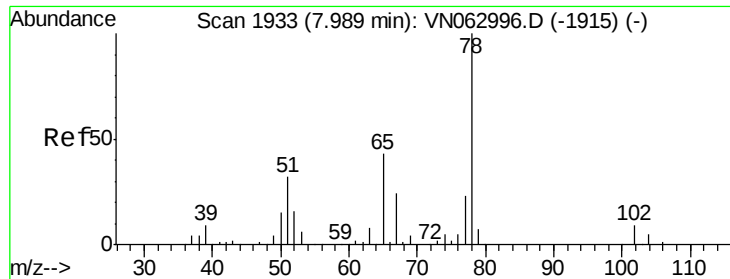
MMDadoda  
8/27/2020 1:28:11 PM



#32  
1,1,1-Trichloroethane  
Concen: 44.981 ug/l  
RT: 7.53 min Scan# 1790  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.5  | 52.0  | 78.0  |
| 61      | 42.4  | 36.2  | 54.4  |





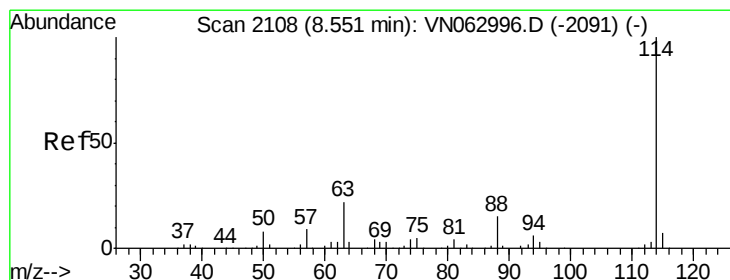
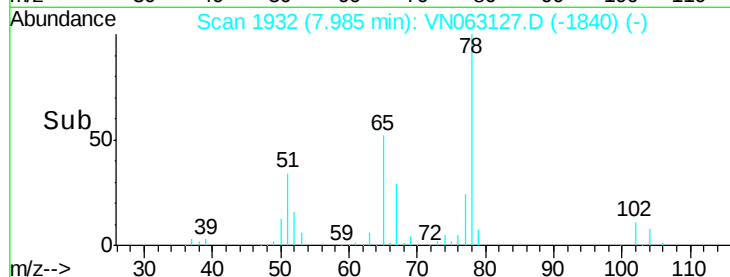
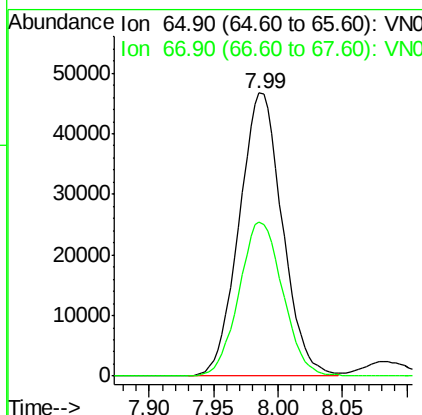
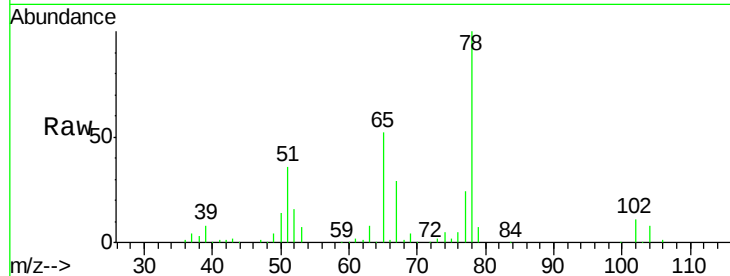
#33  
 1,2-Dichloroethane-d4  
 Concen: 45.556 ug/l  
 RT: 7.99 min Scan# 1932  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 109096 |       |       |
| 67      | 55.0  | 0.0    | 112.0 |       |

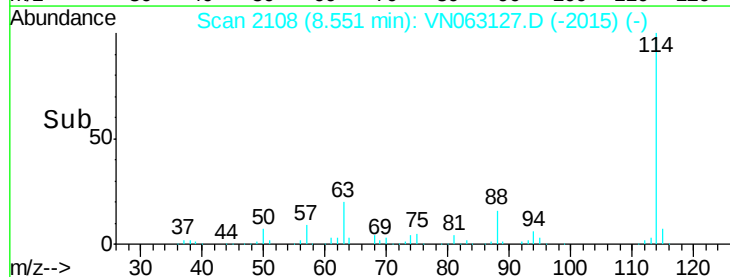
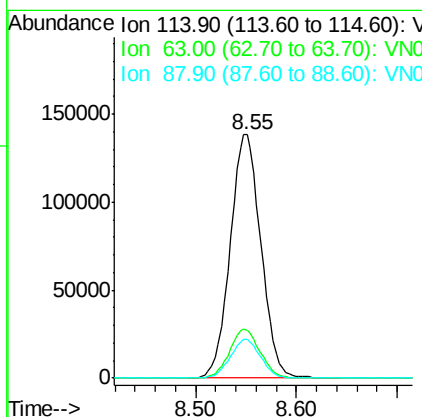
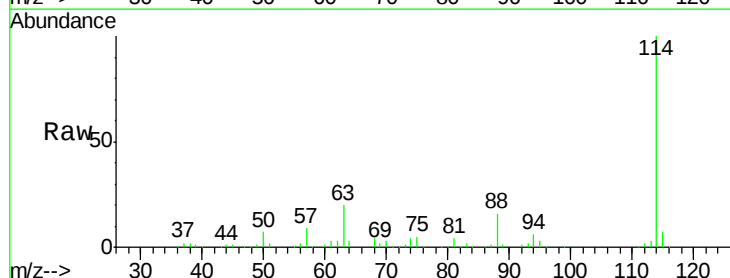
Manual Integrations  
 APPROVED

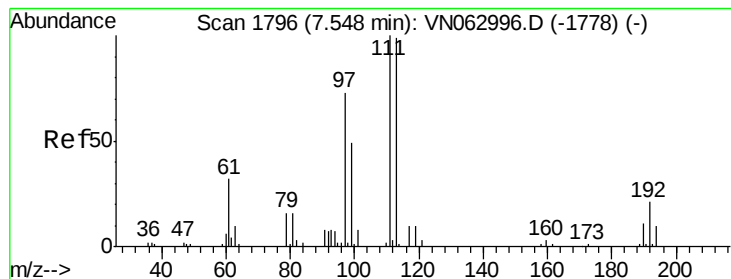
MMDadoda  
 8/27/2020 1:28:11 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 292738 |       |       |
| 63      | 19.8  | 0.0    | 43.2  |       |
| 88      | 15.8  | 0.0    | 30.6  |       |





#35

Dibromofluoromethane

Concen: 51.119 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

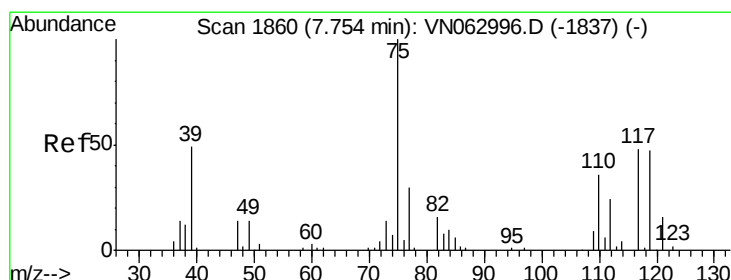
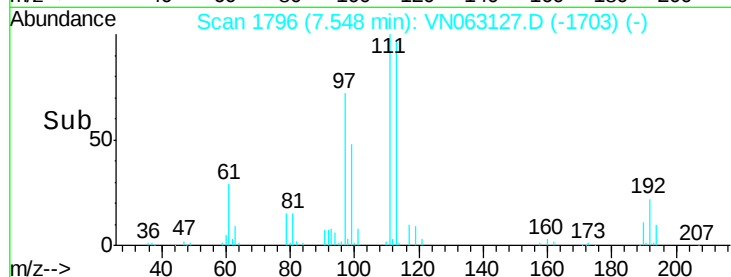
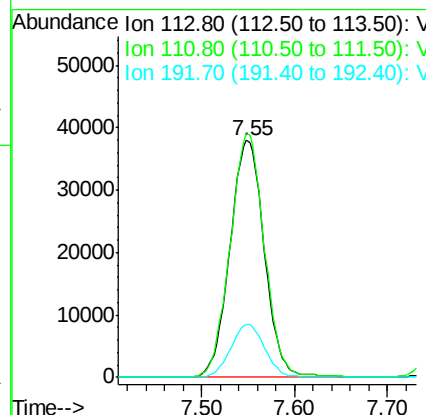
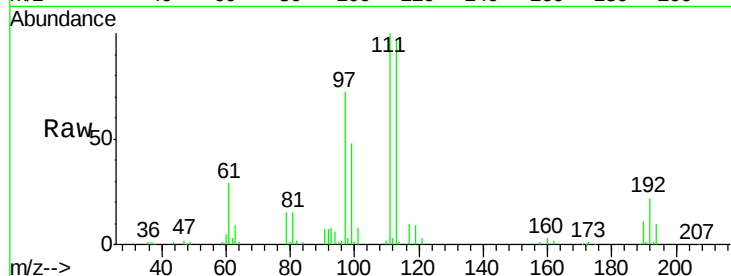
ClientSampled :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 97508 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.4 | 81.7  | 122.5 |
| 192      | 22.1  | 17.5  | 26.3  |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 45.385 ug/l

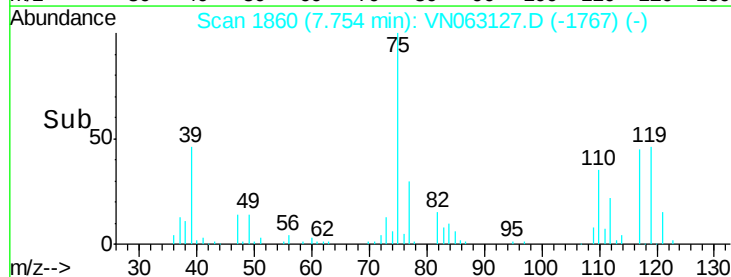
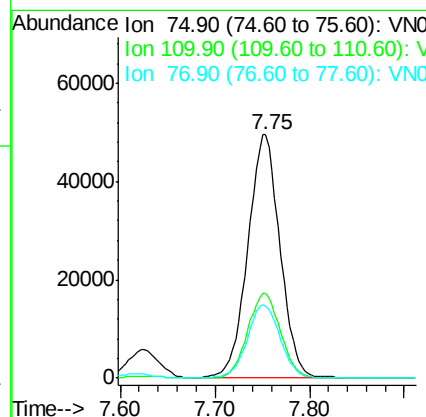
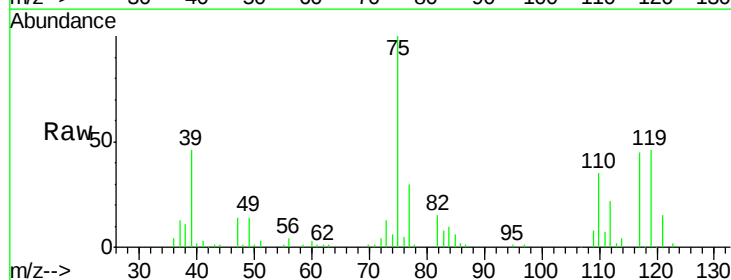
RT: 7.75 min Scan# 1860

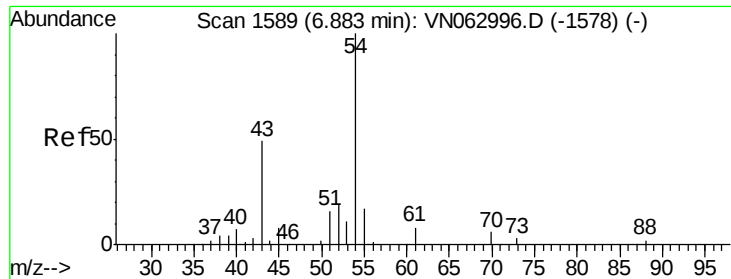
Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 117082 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 35.4  | 17.5  | 52.6   |
| 77       | 30.7  | 24.2  | 36.4   |





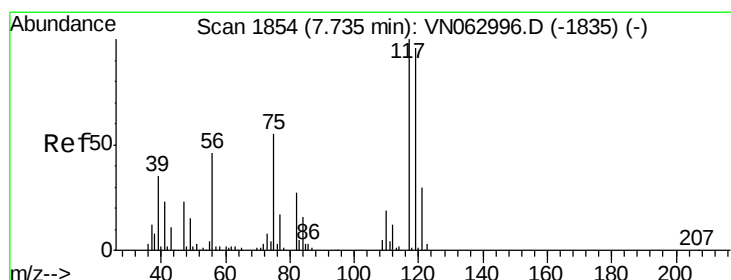
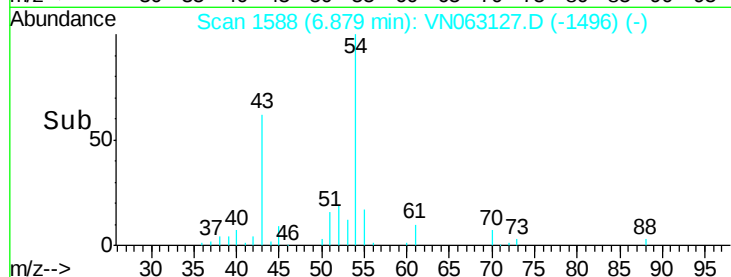
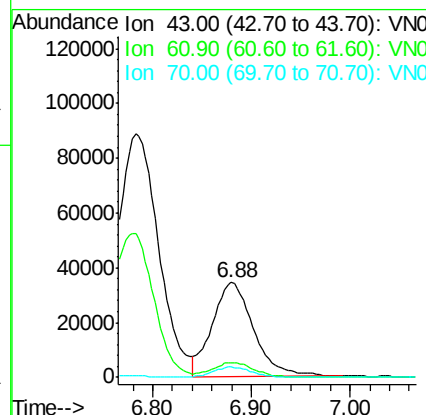
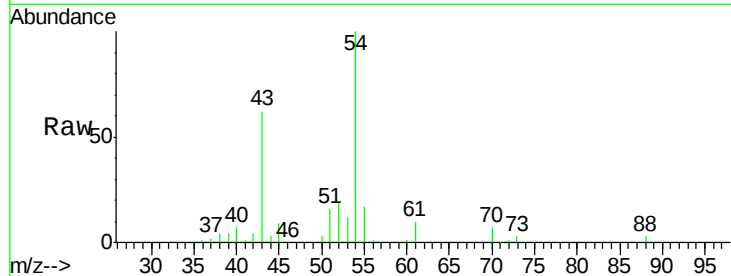
#37  
Ethyl Acetate  
Concen: 41.689 ug/l  
RT: 6.88 min Scan# 1588  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.1  | 11.8  | 17.8  |
| 70      | 10.4  | 8.2   | 12.2  |

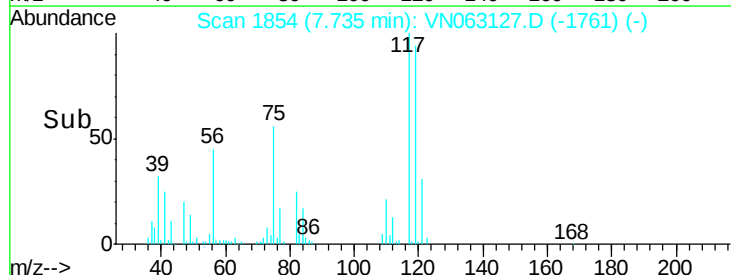
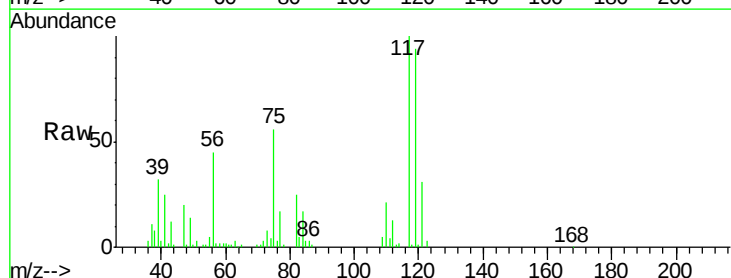
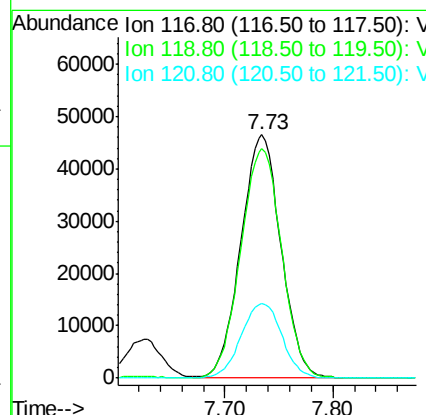
Manual Integrations  
APPROVED

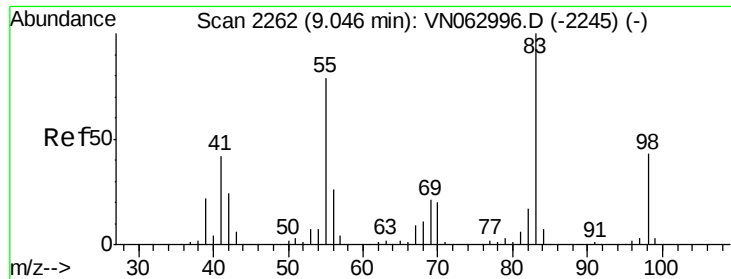
MMDadoda  
8/27/2020 1:28:11 PM



#38  
Carbon Tetrachloride  
Concen: 46.104 ug/l  
RT: 7.73 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.4  | 76.2  | 114.4 |
| 121     | 30.6  | 24.2  | 36.2  |





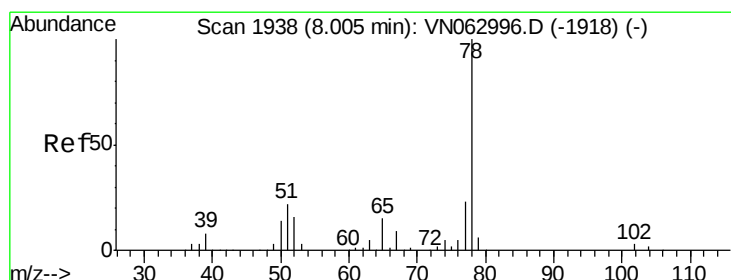
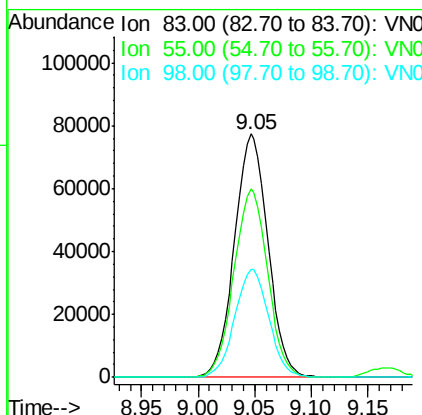
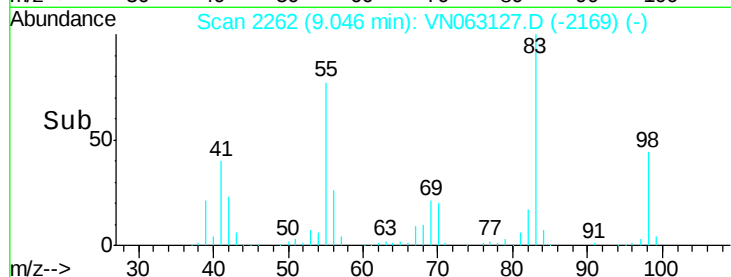
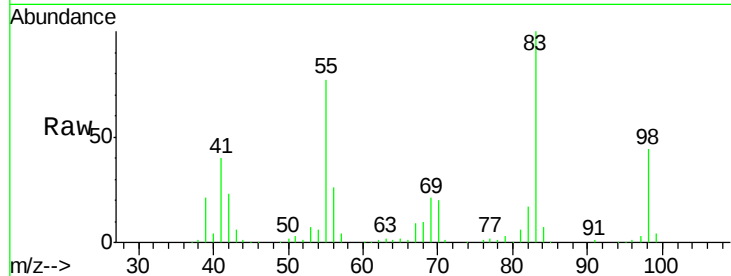
#39  
Methvlcvclohexane  
Concen: 46.007 ug/l  
RT: 9.05 min Scan# 2262  
Delta R.T. 0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.4  | 63.3  | 94.9  |
| 98      | 44.4  | 34.2  | 51.4  |

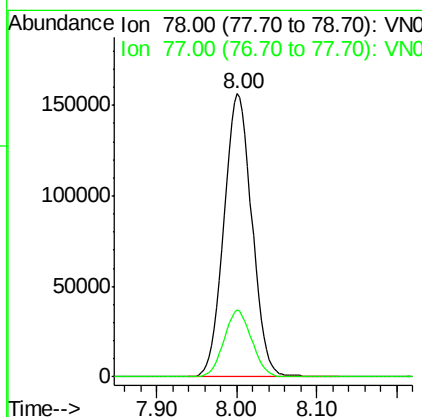
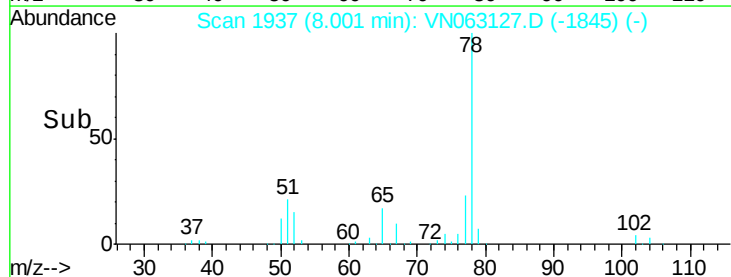
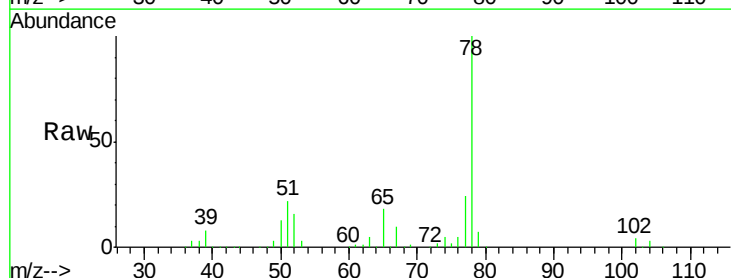
Manual Integrations  
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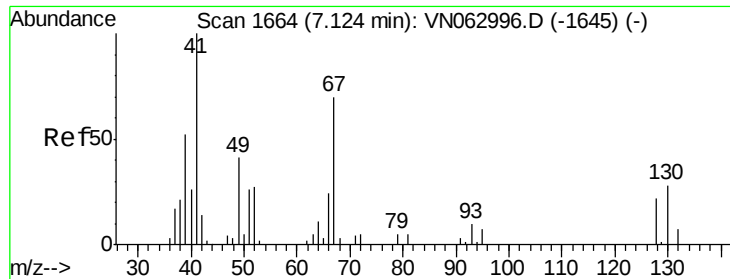
MMDadoda  
8/27/2020 1:28:11 PM



#40  
Benzene  
Concen: 45.732 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.5  | 18.8  | 28.2  |





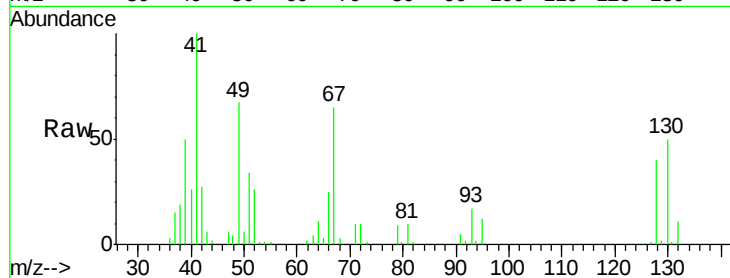
#41  
Methacrylonitrile  
Concen: 47.408 ug/l  
RT: 7.13 min Scan# 1665  
Delta R.T. 0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

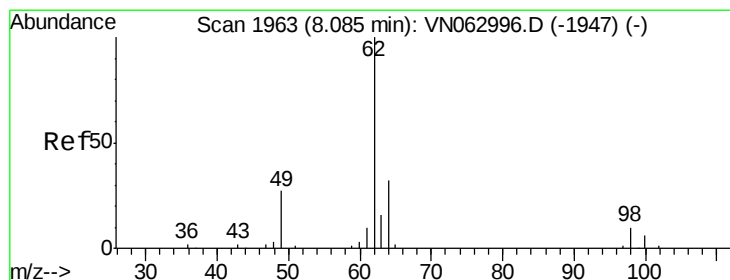
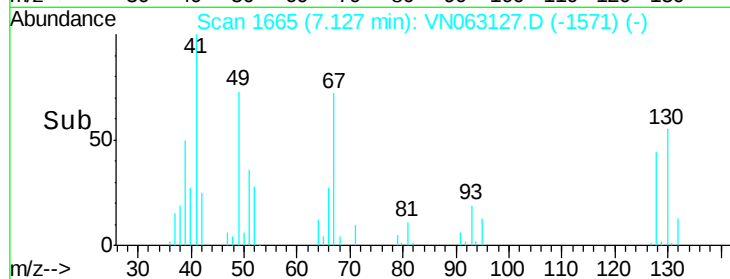
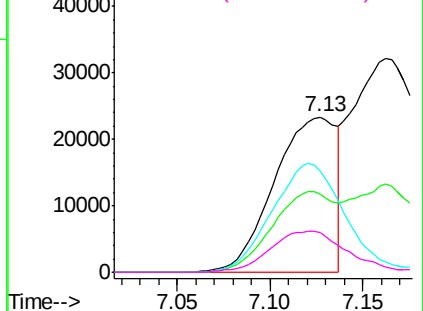
| Tot Ion | 41    | Resp  | 54600 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 51.9  | 41.6  | 62.4  |
| 67      | 82.4  | 71.8  | 107.8 |
| 52      | 33.3  | 28.2  | 42.4  |

Manual Integrations  
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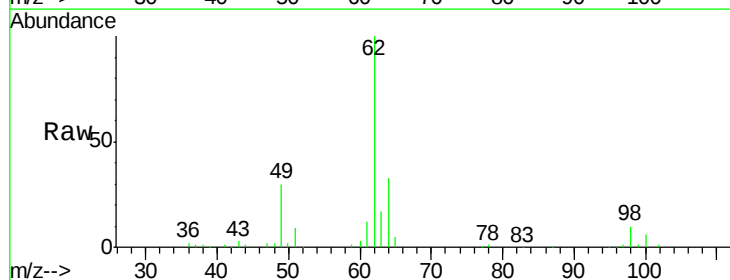


Abundance Ion 41.00 (40.70 to 41.70): VN062996.D (-1645) (-)  
Ion 39.00 (38.70 to 39.70): VN062996.D (-1645) (-)  
Ion 67.00 (66.70 to 67.70): VN062996.D (-1645) (-)  
Ion 52.00 (51.70 to 52.70): VN062996.D (-1645) (-)

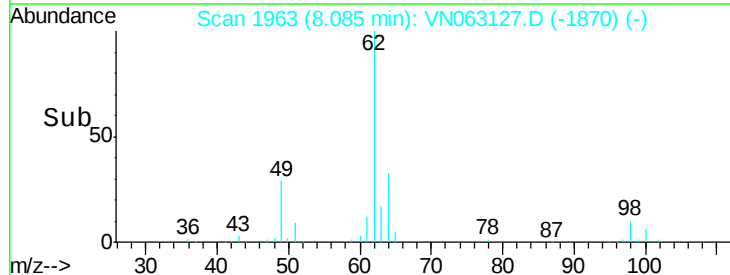
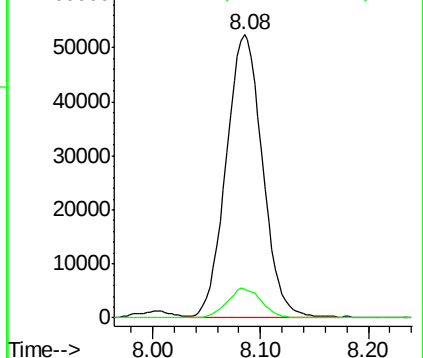


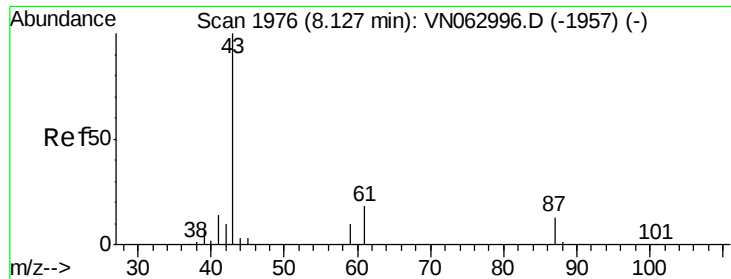
#42  
1,2-Dichloroethane  
Concen: 44.511 ug/l  
RT: 8.08 min Scan# 1963  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | 62    | Resp  | 122288 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 9.9   | 0.0   | 18.4   |



Abundance Ion 61.90 (61.60 to 62.60): VN062996.D (-1947) (-)  
Ion 97.90 (97.60 to 98.60): VN062996.D (-1947) (-)





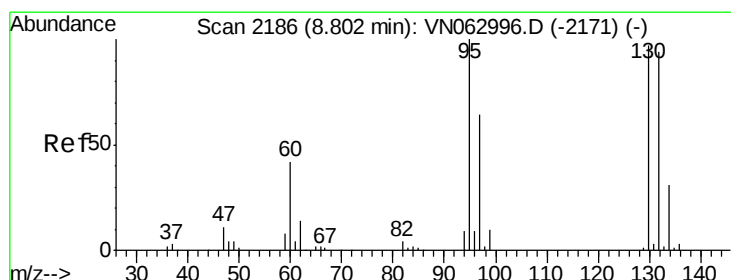
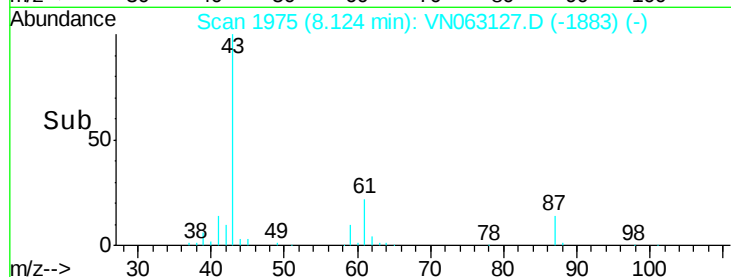
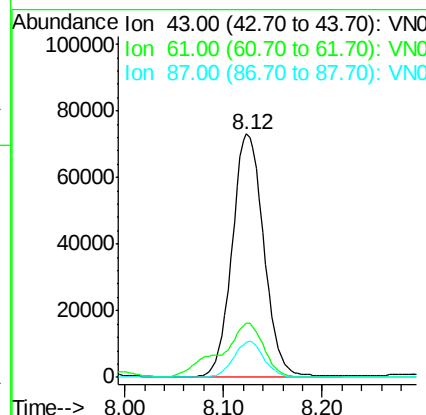
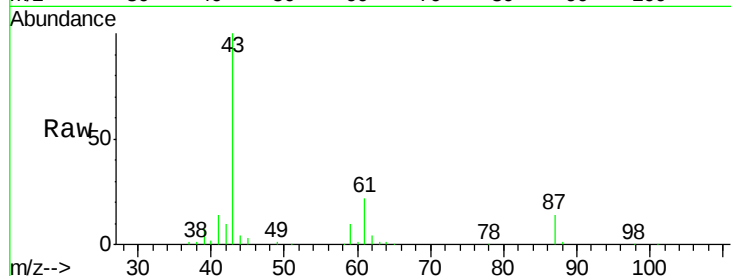
#43  
Isopropyl Acetate  
Concen: 41.057 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 30.2  | 22.6  | 33.8  |
| 87      | 14.0  | 10.5  | 15.7  |

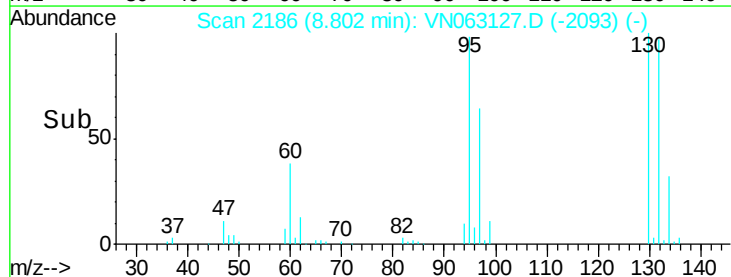
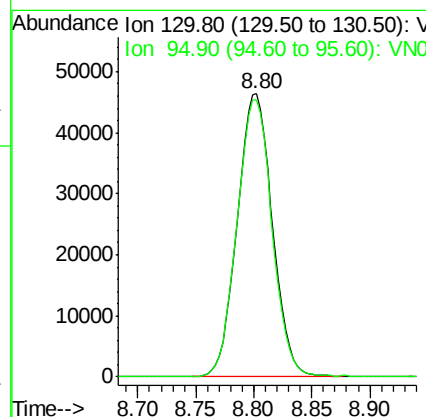
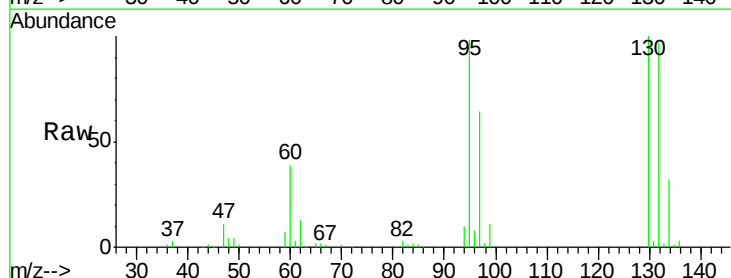
Manual Integrations  
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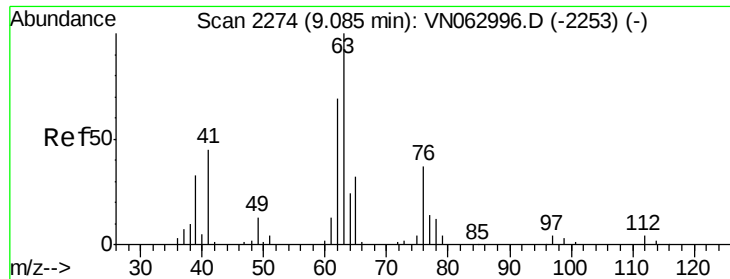
MMDadoda  
8/27/2020 1:28:11 PM



#44  
Trichloroethene  
Concen: 47.750 ug/l  
RT: 8.80 min Scan# 2186  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 97.9  | 0.0   | 205.6 |





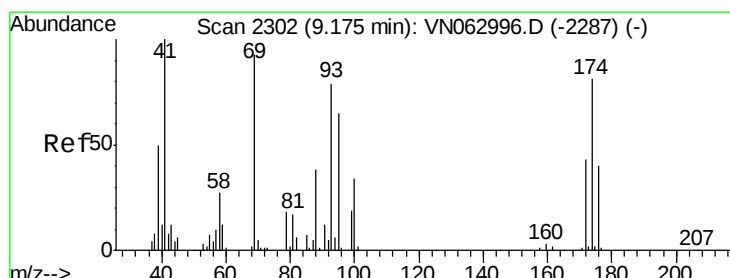
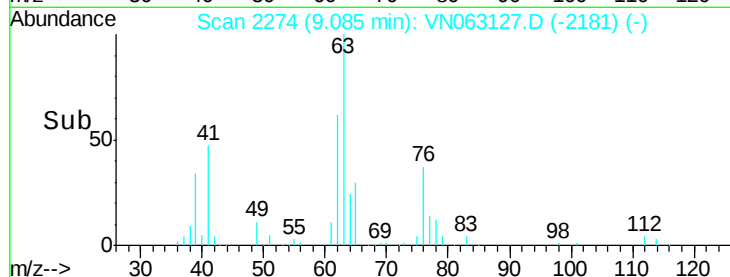
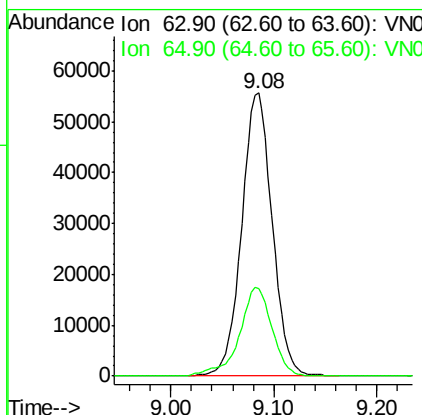
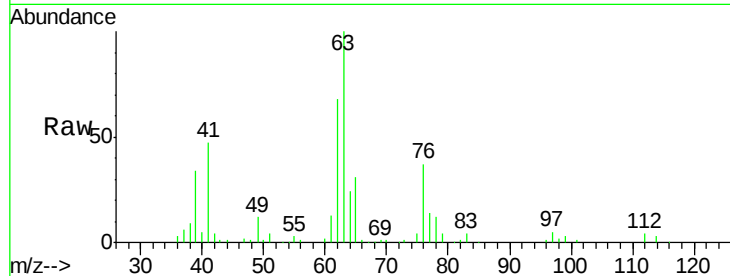
#45  
 1,2-Dichloropropane  
 Concen: 48.380 ug/l  
 RT: 9.08 min Scan# 2274  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 114424  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 25.6 38.4

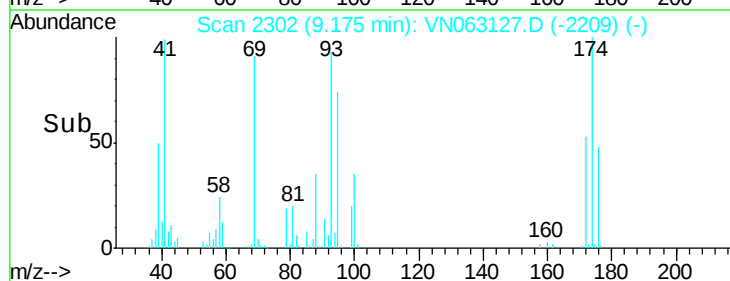
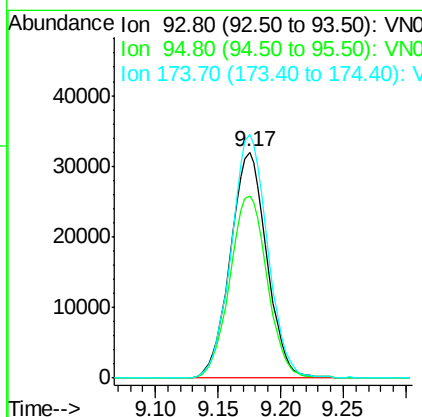
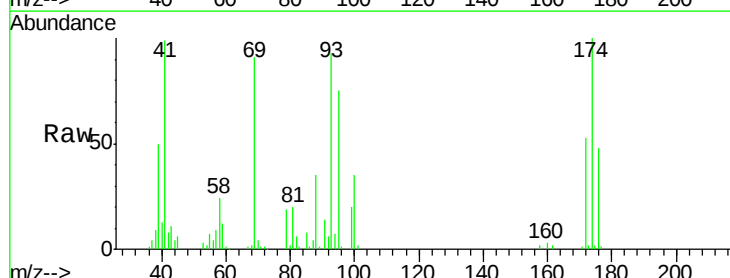
Manual Integrations  
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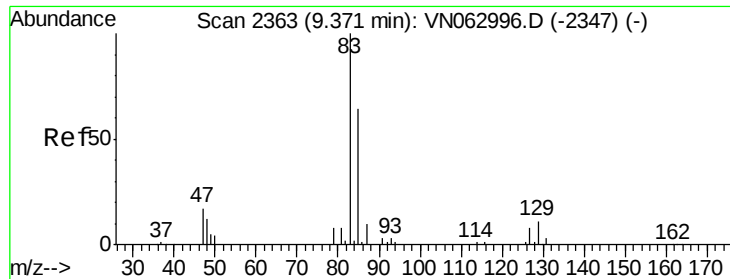
MMDadoda  
 8/27/2020 1:28:11 PM



#46  
 Dibromomethane  
 Concen: 47.284 ug/l  
 RT: 9.17 min Scan# 2302  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Tgt Ion: 93 Resp: 64605  
 Ion Ratio Lower Upper  
 93 100  
 95 82.6 66.2 99.4  
 174 107.4 84.6 127.0





#47

Bromodichloromethane

Concen: 48.775 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

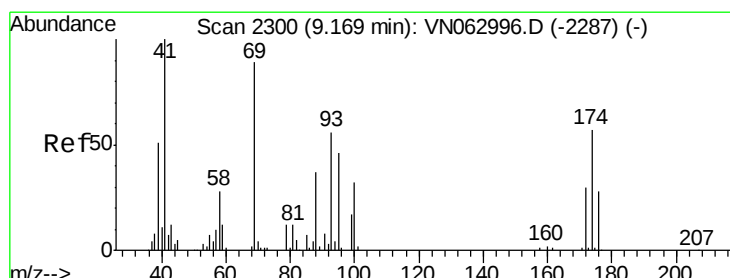
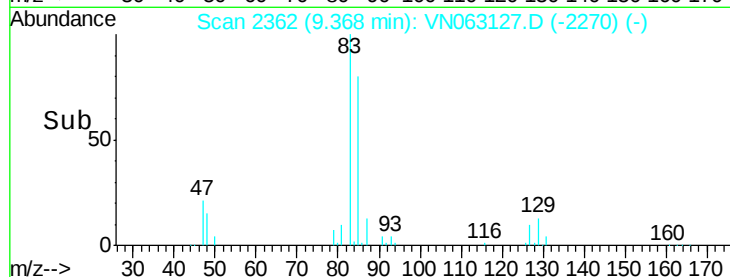
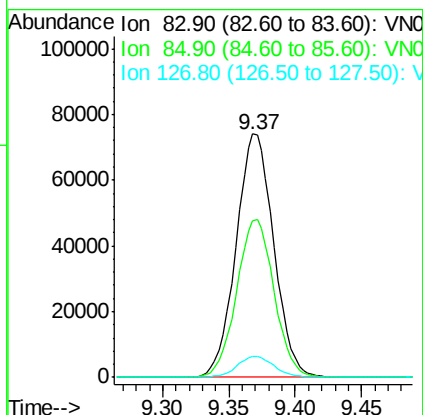
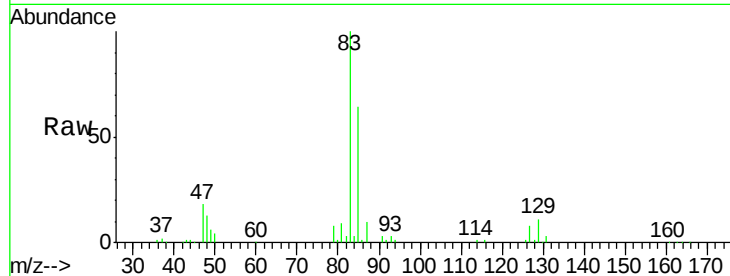
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 145962 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.2  | 51.1  | 76.7   |
| 127       | 8.3   | 6.6   | 9.8    |

Manual Integrations  
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8/27/2020 1:28:11 PM



#48

Methyl methacrylate

Concen: 45.184 ug/l

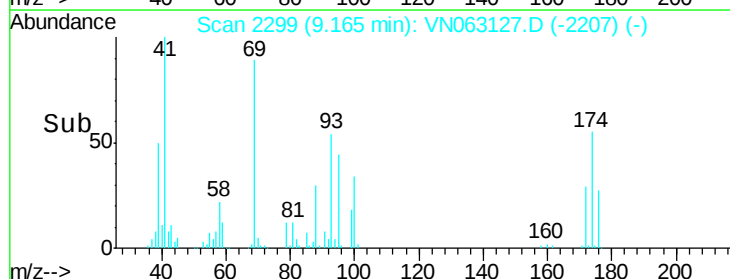
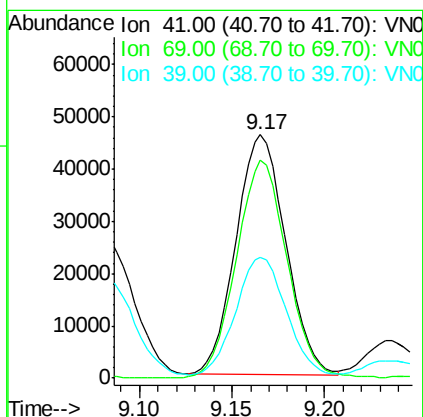
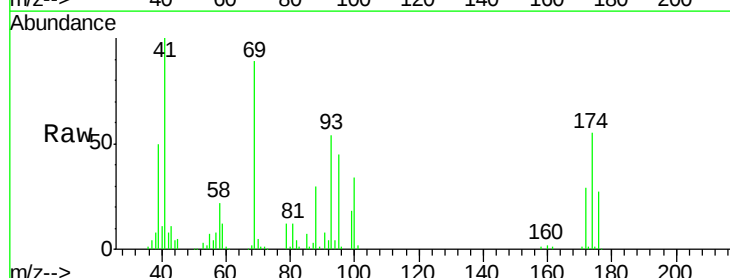
RT: 9.17 min Scan# 2299

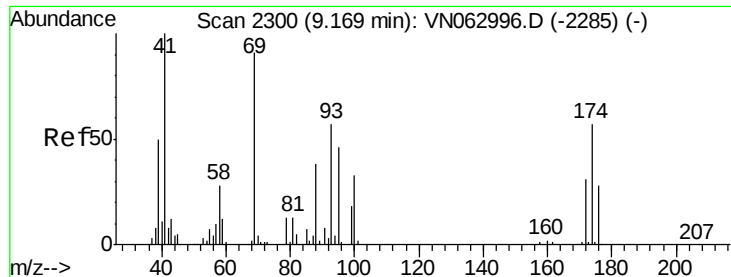
Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 85614 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 92.8  | 74.2  | 111.4 |
| 39        | 52.6  | 42.5  | 63.7  |





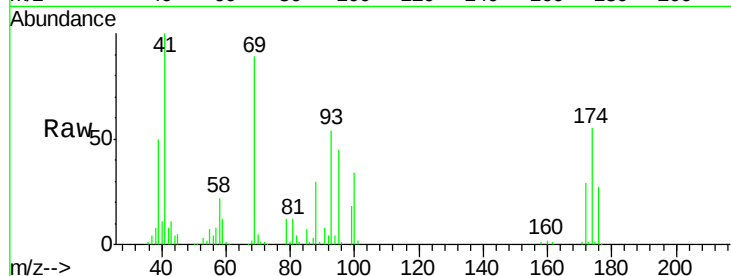
#49  
1,4-Dioxane  
Concen: 759.089 ug/l  
RT: 9.17 min Scan# 2299  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 31495 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 31.1  | 25.2  | 37.8  |
| 58      | 70.7  | 56.7  | 85.1  |

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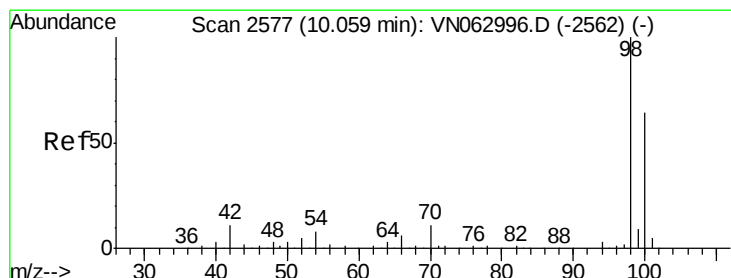
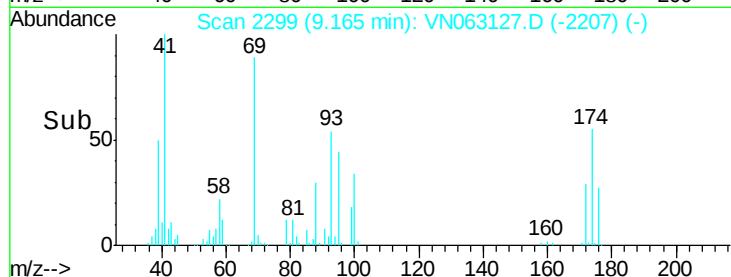
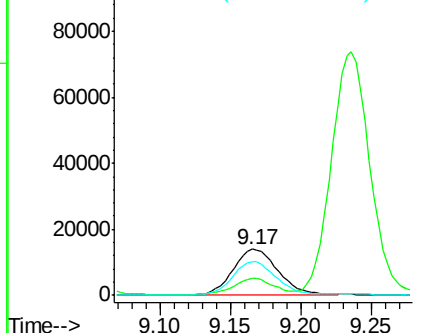


Abundance

Ion 88.00 (87.70 to 88.70): VN063127.D (-2299) (-)

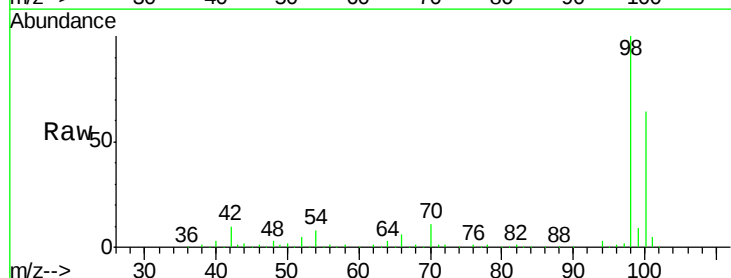
Ion 43.00 (42.70 to 43.70): VN063127.D (-2299) (-)

Ion 58.00 (57.70 to 58.70): VN063127.D (-2299) (-)



#50  
Toluene-d8  
Concen: 53.040 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

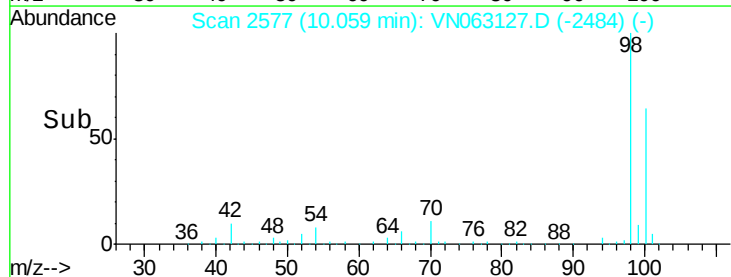
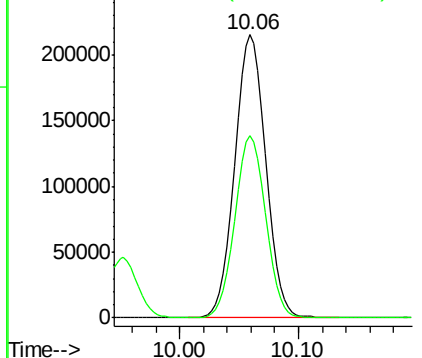
| Tgt Ion | 98    | Resp  | 388606 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.3  | 51.2  | 76.8   |

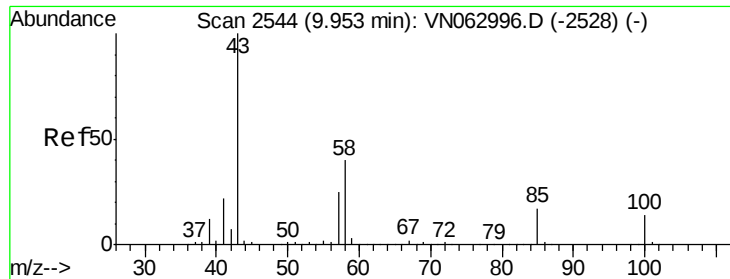


Abundance

Ion 98.00 (97.70 to 98.70): VN063127.D (-2577) (-)

Ion 100.00 (99.70 to 100.70): VN063127.D (-2577) (-)





#51

4-Methyl-2-Pentanone

Concen: 217.649 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 550935

Ion Ratio Lower Upper

43 100

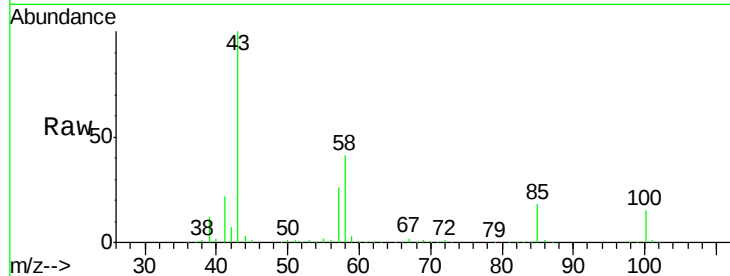
58 40.7 32.2 48.2

Manual Integrations

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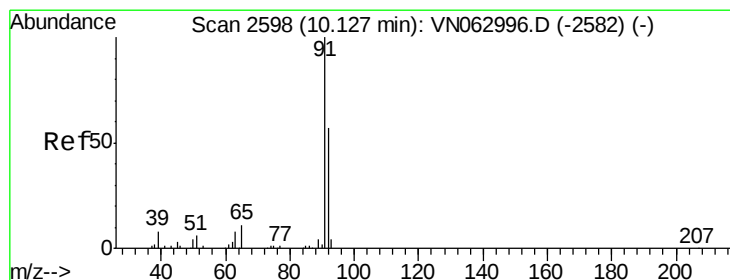
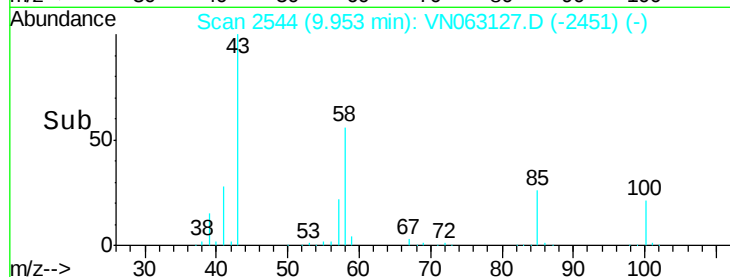
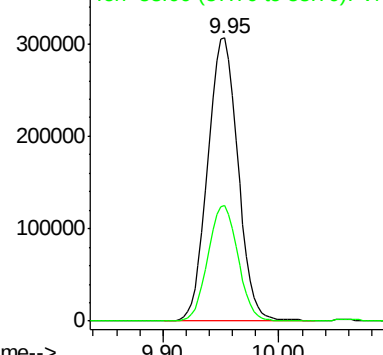
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.810 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063127.D

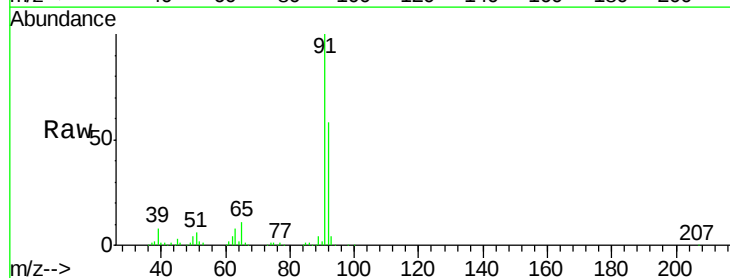
Acq: 26 Aug 2020 12:39

Tgt Ion: 92 Resp: 245852

Ion Ratio Lower Upper

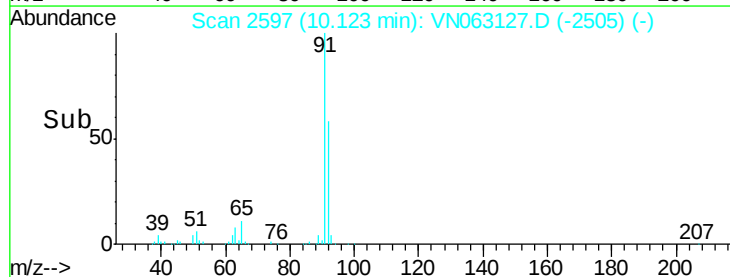
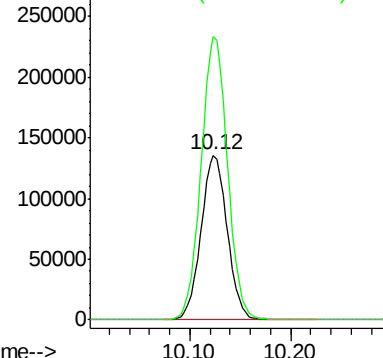
92 100

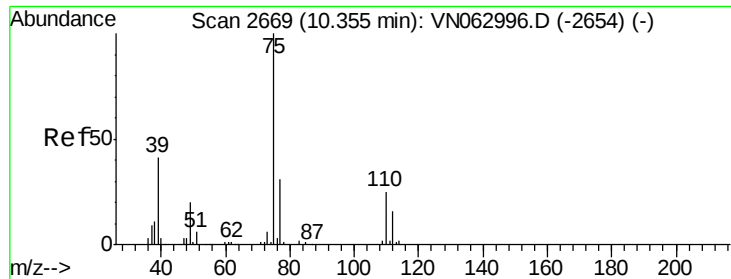
91 173.9 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





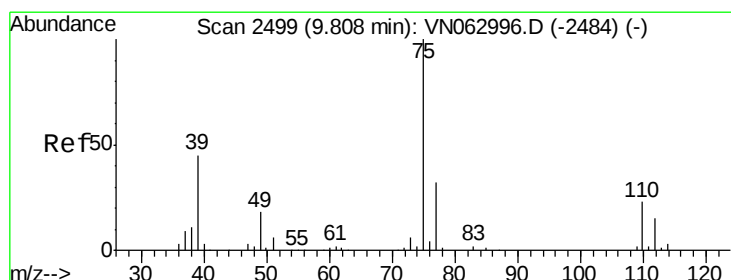
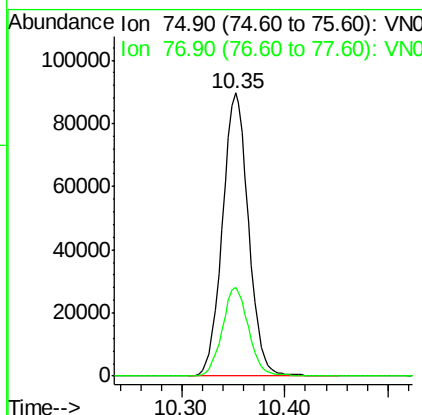
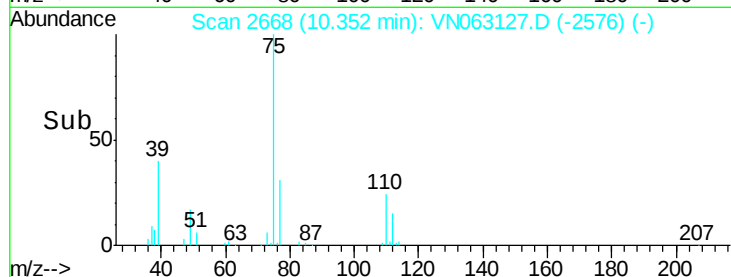
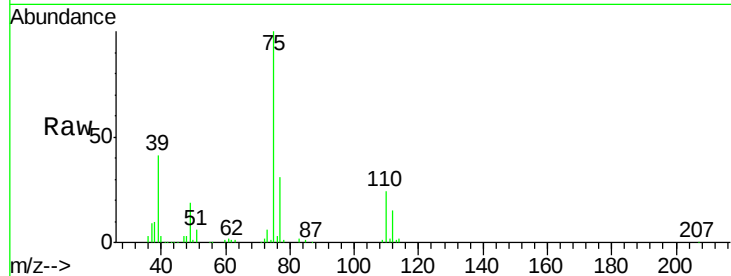
#53  
t-1,3-Dichloropropene  
Concen: 50.842 ug/l  
RT: 10.35 min Scan# 2668  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 157337  
Ion Ratio Lower Upper  
75 100  
77 31.3 24.6 37.0

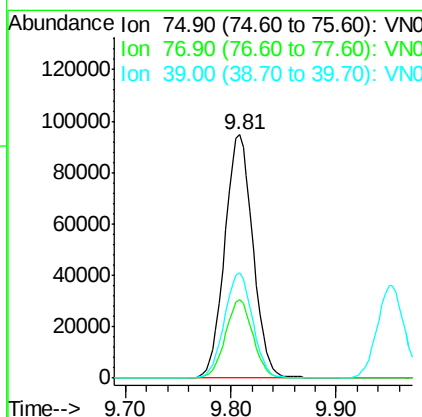
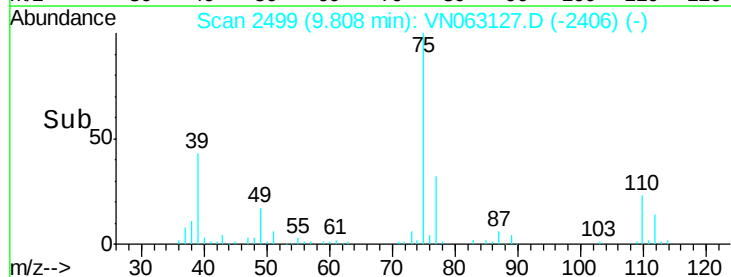
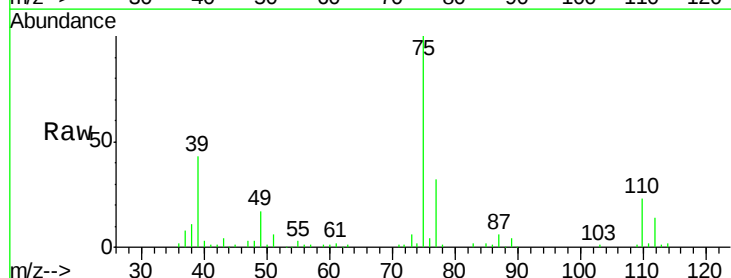
Manual Integrations  
APPROVED

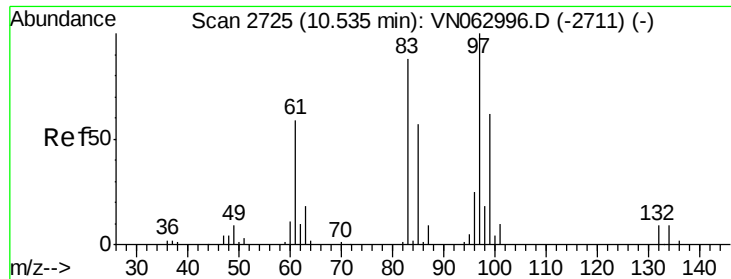
MMDadoda  
8/27/2020 1:28:11 PM



#54  
cis-1,3-Dichloropropene  
Concen: 51.552 ug/l  
RT: 9.81 min Scan# 2499  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Tgt Ion: 75 Resp: 175008  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.4 38.2  
39 43.1 35.7 53.5





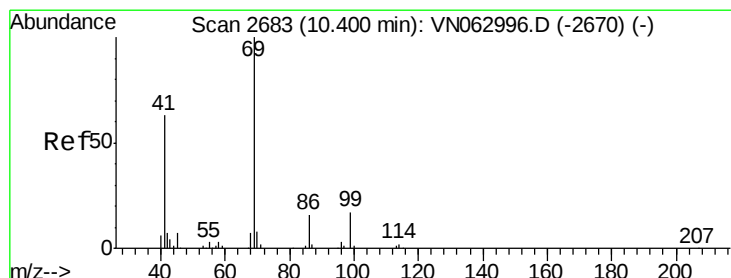
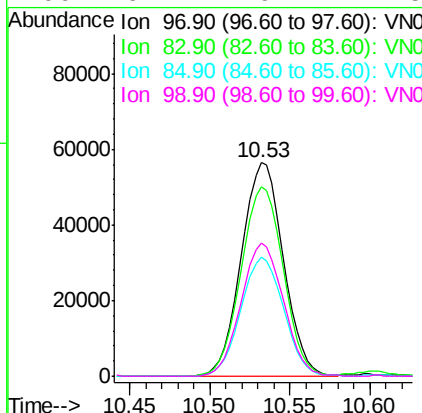
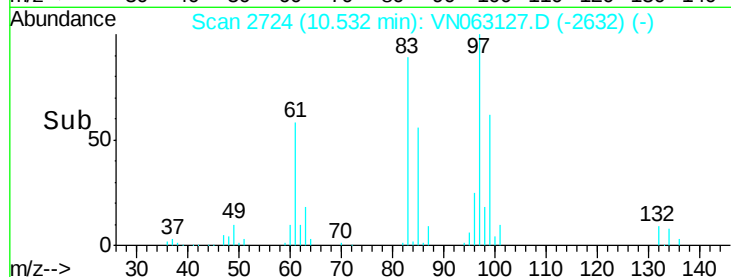
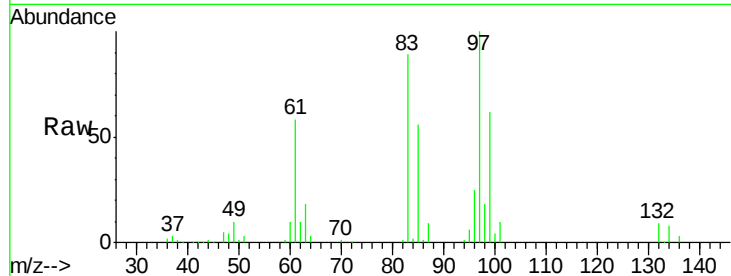
#55  
 1,1,2-Trichloroethane  
 Concen: 48.101 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       |       |       |       |
| 83      | 88.8 | 70.5  | 105.7 |       |       |
| 85      | 55.6 | 45.8  | 68.6  |       |       |
| 99      | 62.4 | 49.7  | 74.5  |       |       |

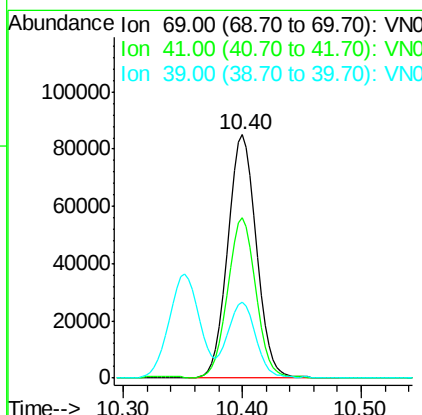
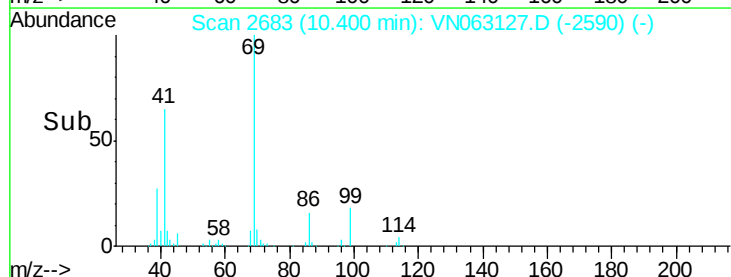
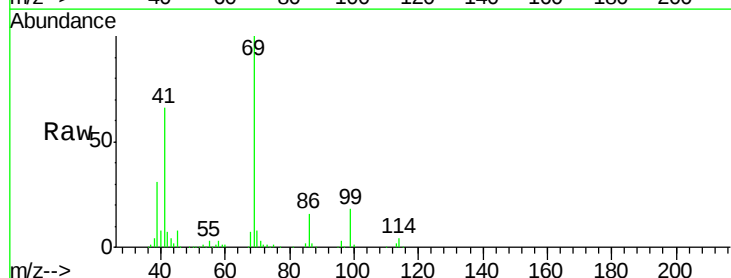
Manual Integrations  
 APPROVED

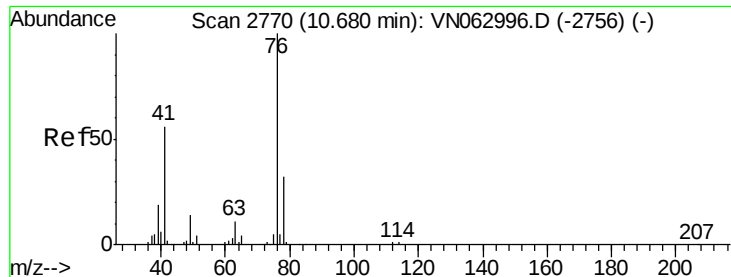
MMDadoda  
 8/27/2020 1:28:11 PM



#56  
 Ethyl methacrylate  
 Concen: 43.914 ug/l  
 RT: 10.40 min Scan# 2683  
 Delta R.T. 0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 69      | 100  |       |      |       |       |
| 41      | 64.0 | 50.2  | 75.2 |       |       |
| 39      | 29.9 | 24.2  | 36.4 |       |       |





#57

1,3-Dichloropropane

Concen: 47.998 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 168210

Ion Ratio Lower Upper

76 100

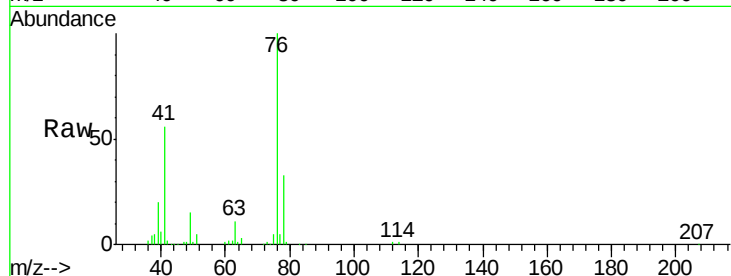
78 32.7 26.1 39.1

Manual Integrations

APPROVED

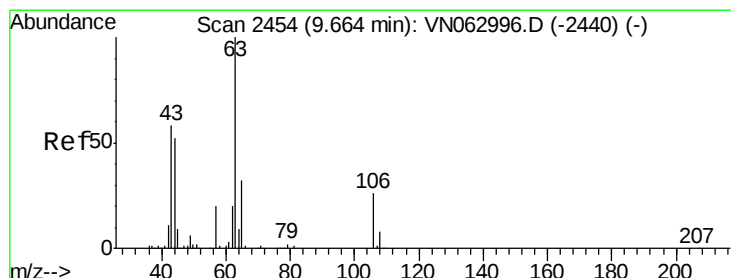
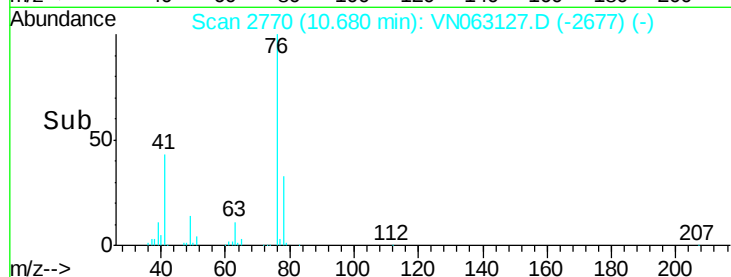
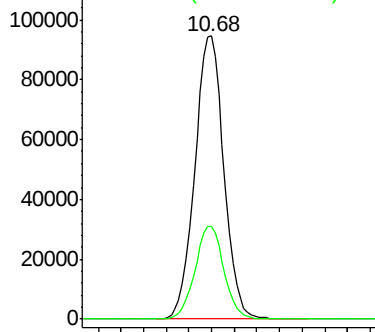
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 400.899 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063127.D

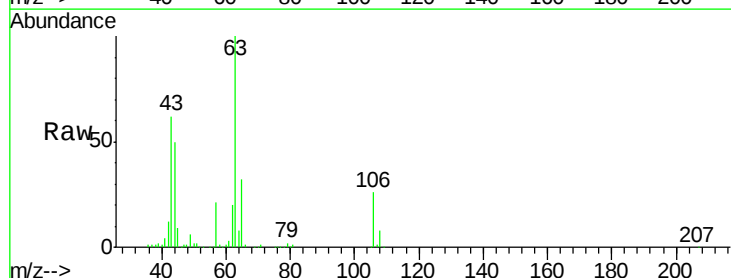
Acq: 26 Aug 2020 12:39

Tgt Ion: 63 Resp: 323828

Ion Ratio Lower Upper

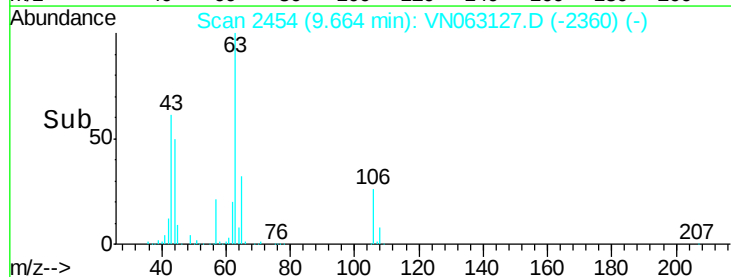
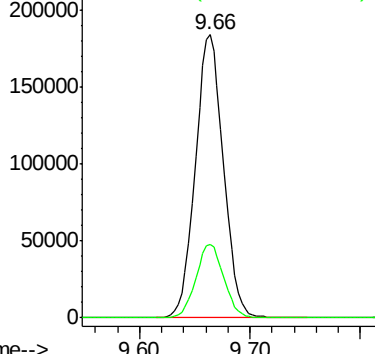
63 100

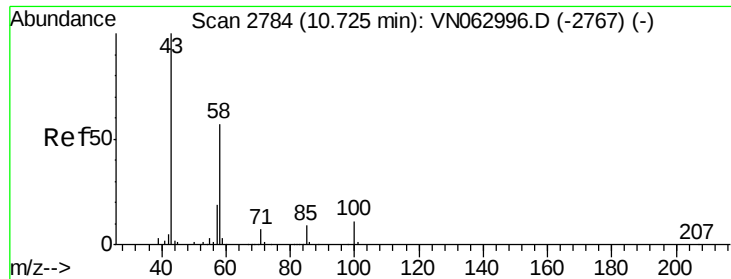
106 25.9 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





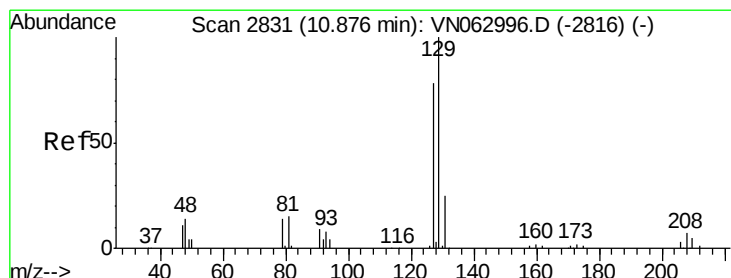
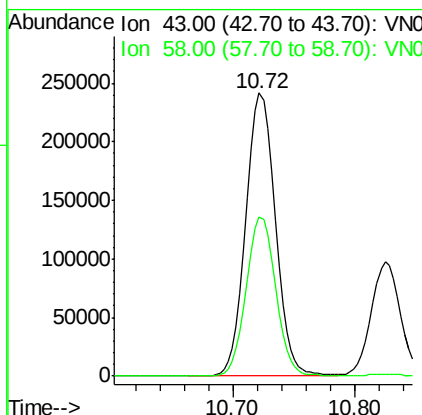
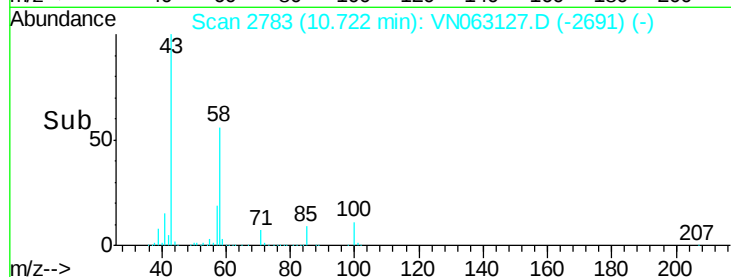
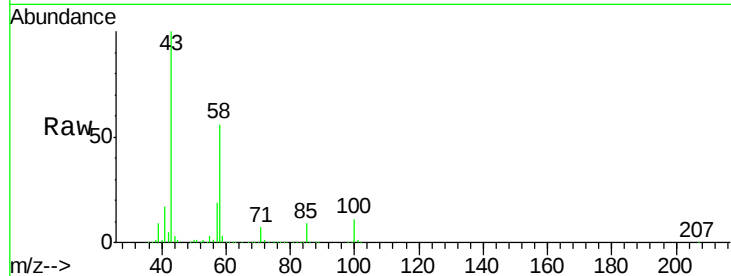
#59  
2-Hexanone  
Concen: 228.554 ug/l  
RT: 10.72 min Scan# 2783  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.1  | 28.1  | 84.3  |

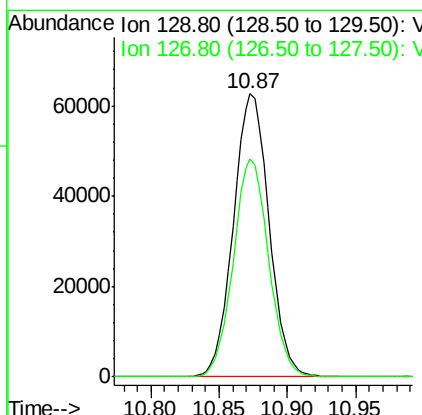
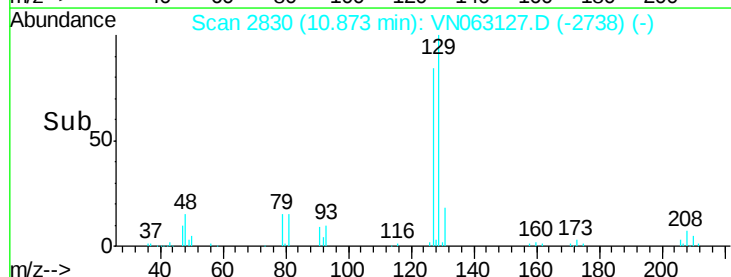
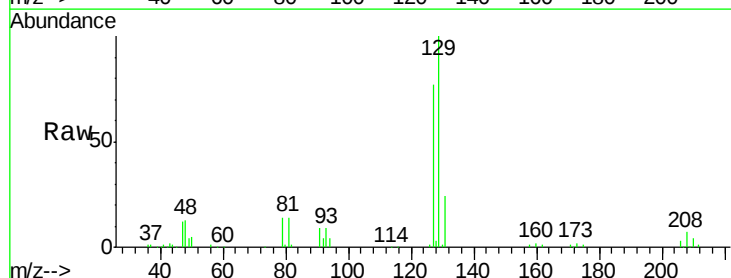
Manual Integrations  
APPROVED

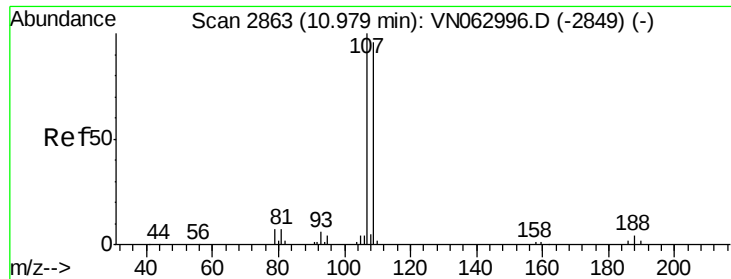
MMDadoda  
8/27/2020 1:28:11 PM



#60  
Dibromochloromethane  
Concen: 48.626 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.3  | 38.4  | 115.2 |





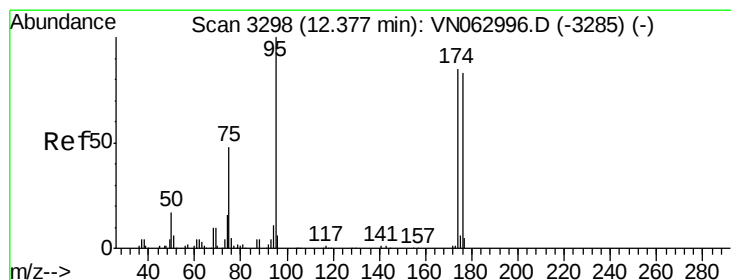
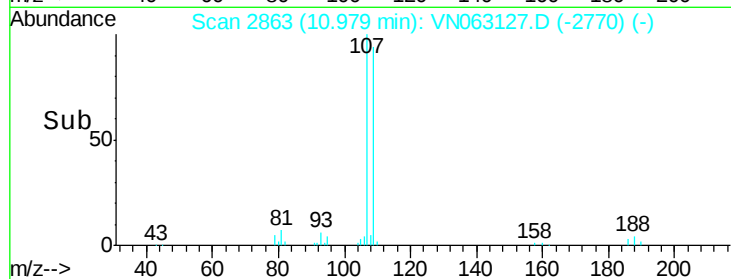
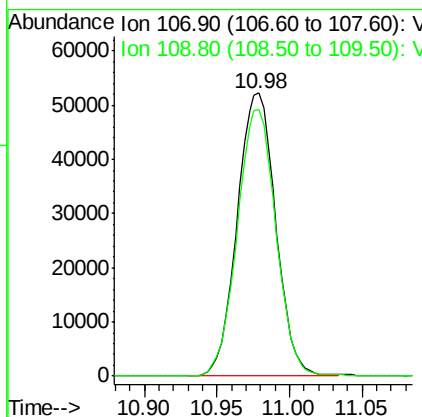
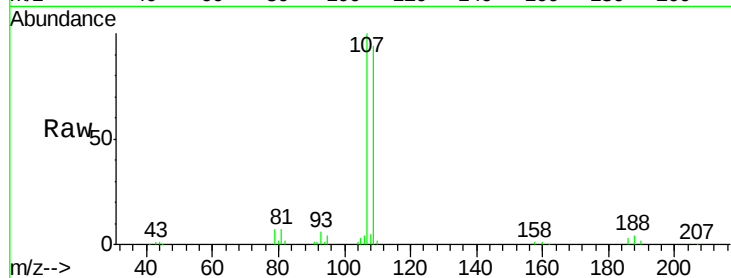
#61  
 1,2-Dibromoethane  
 Concen: 47.533 ug/l  
 RT: 10.98 min Scan# 2863  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.7  | 75.7  | 113.5 |

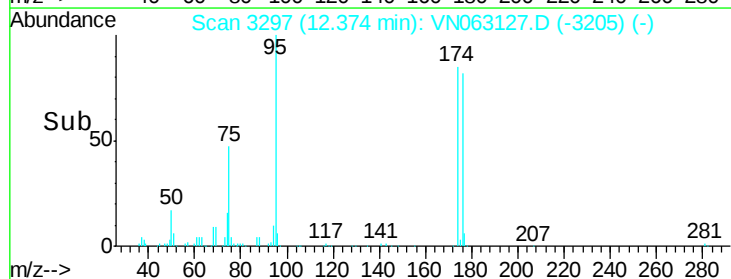
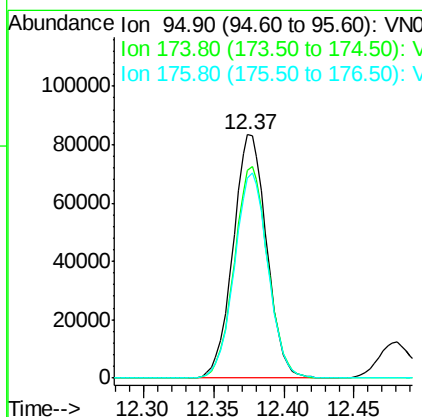
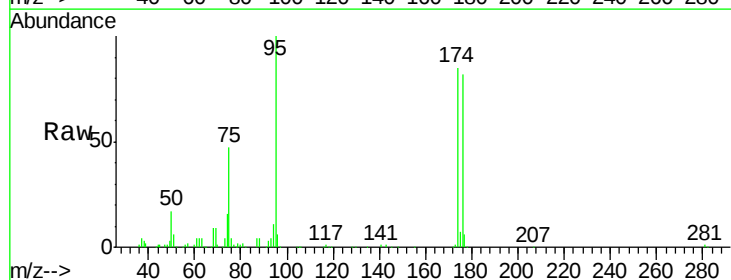
Manual Integrations  
 APPROVED

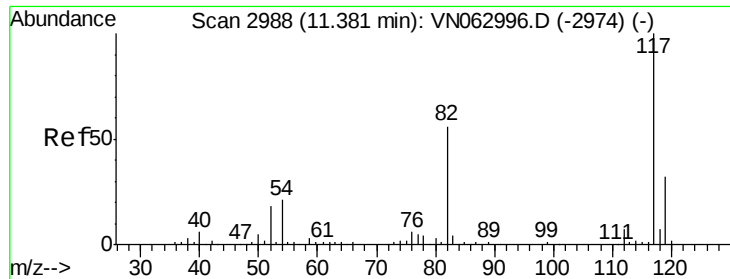
MMDadoda  
 8/27/2020 1:28:11 PM



#62  
 4-Bromofluorobenzene  
 Concen: 53.819 ug/l  
 RT: 12.37 min Scan# 3297  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 86.9  | 0.0   | 170.8 |
| 176     | 84.1  | 0.0   | 164.8 |





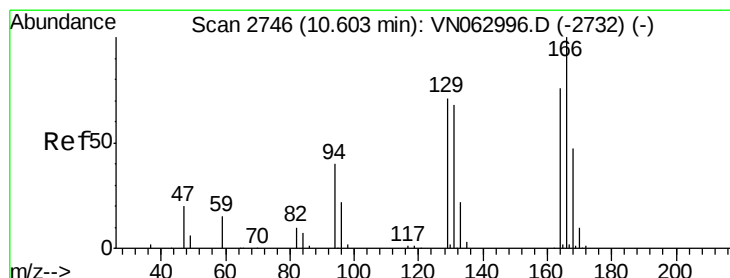
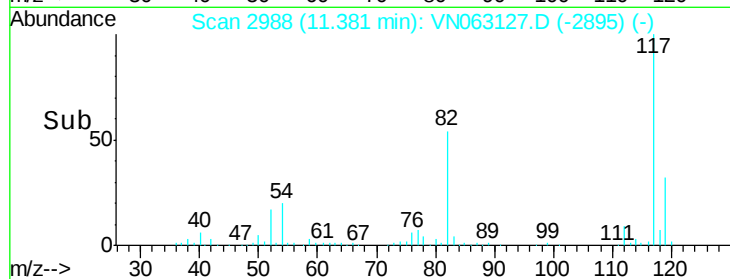
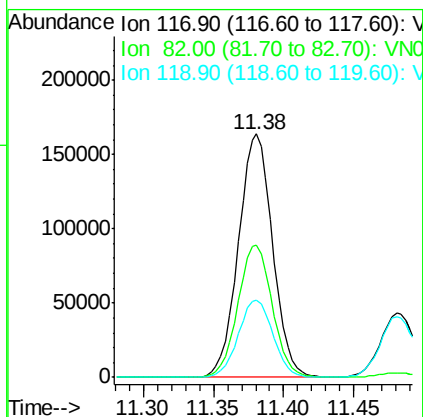
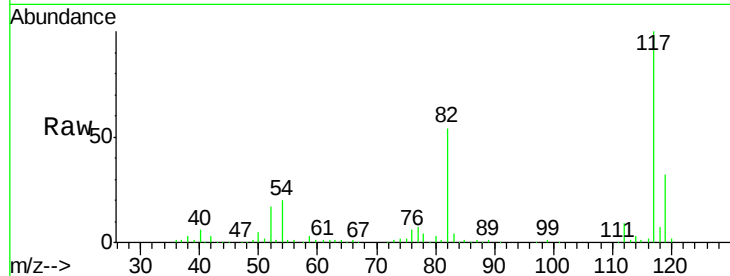
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.5  | 44.5  | 66.7  |
| 119     | 31.8  | 25.5  | 38.3  |

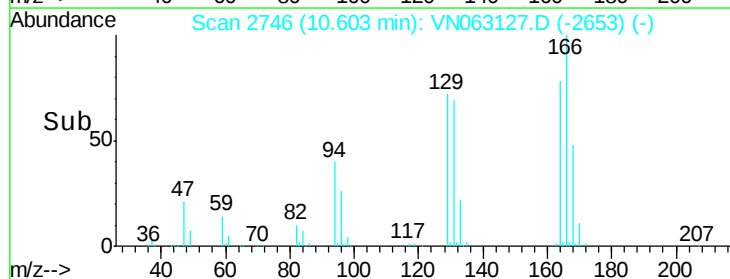
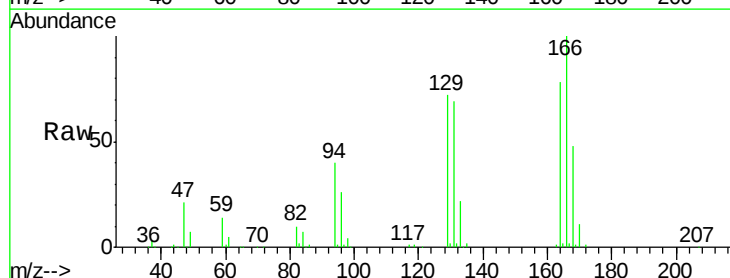
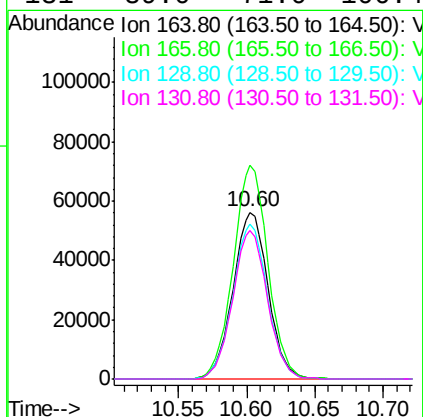
Manual Integrations  
APPROVED

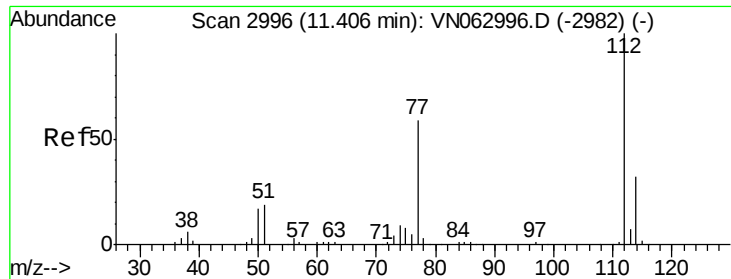
MMDadoda  
8/27/2020 1:28:11 PM



#64  
Tetrachloroethene  
Concen: 54.625 ug/l  
RT: 10.60 min Scan# 2746  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.0 | 105.0 | 157.6 |
| 129     | 92.5  | 74.7  | 112.1 |
| 131     | 89.0  | 71.0  | 106.4 |





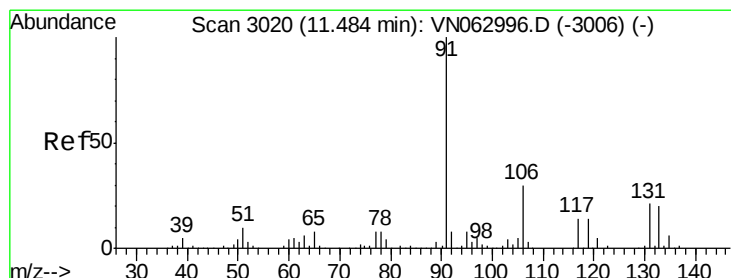
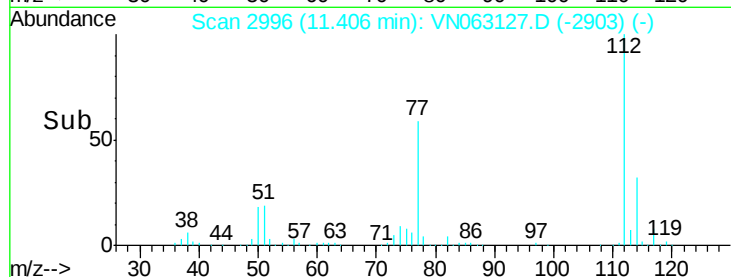
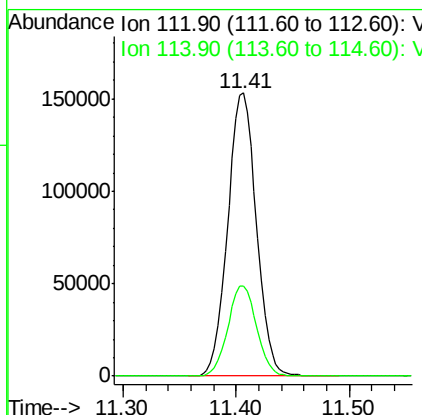
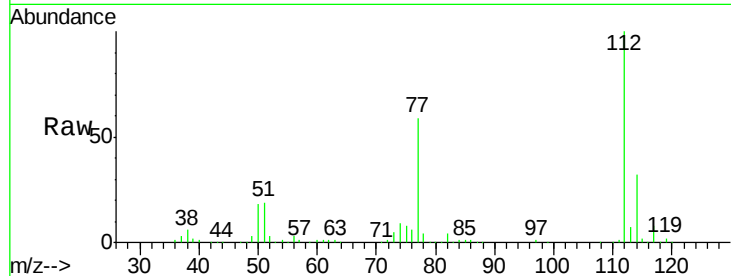
#65  
Chlorobenzene  
Concen: 48.270 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 269843  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.3 37.9

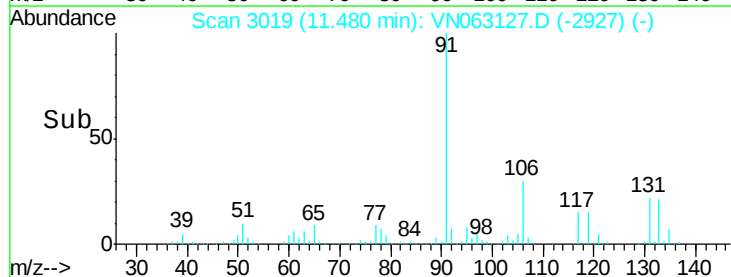
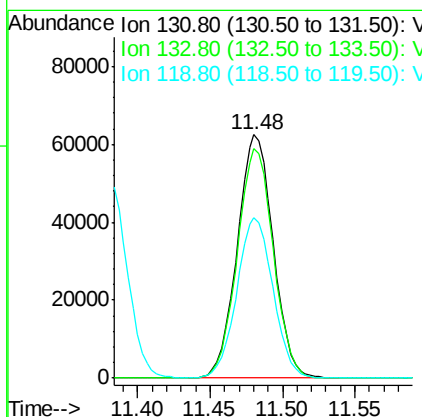
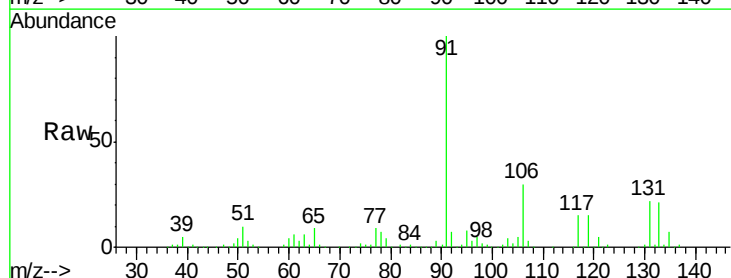
Manual Integrations  
APPROVED

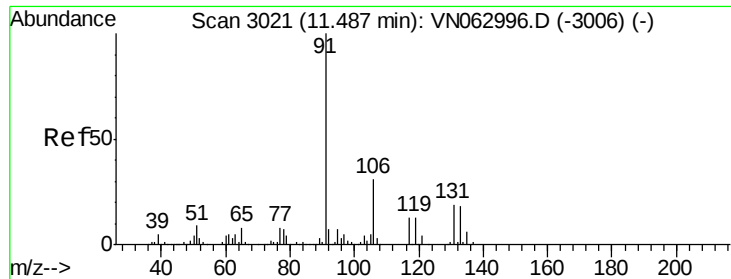
MMDadoda  
8/27/2020 1:28:11 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.418 ug/l  
RT: 11.48 min Scan# 3019  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Tgt Ion:131 Resp: 107454  
Ion Ratio Lower Upper  
131 100  
133 94.7 47.5 142.6  
119 66.4 33.1 99.3





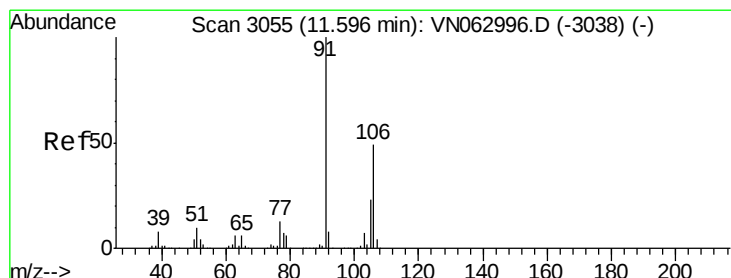
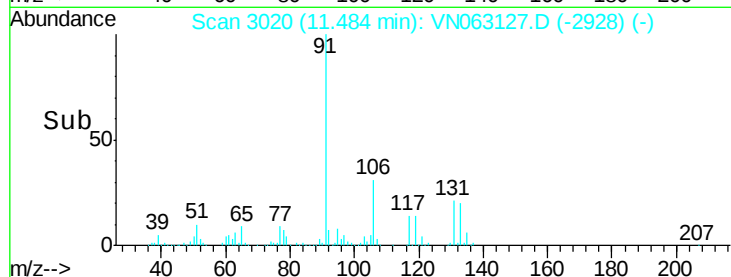
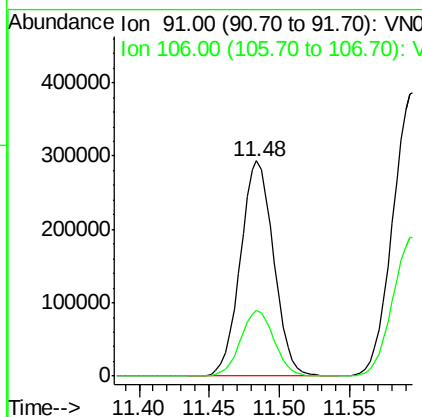
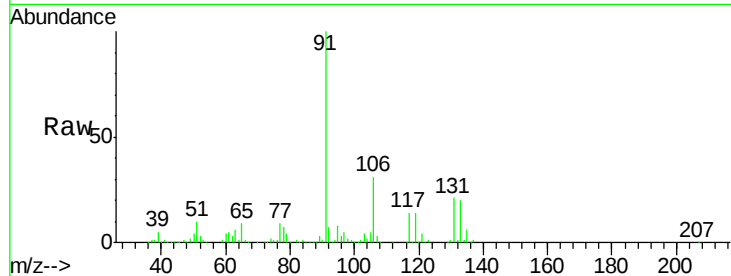
#67  
Ethyl Benzene  
Concen: 51.291 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 91 Resp: 484492  
Ion Ratio Lower Upper  
91 100  
106 30.6 24.6 37.0

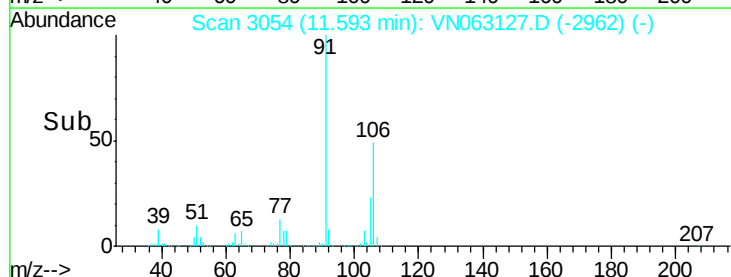
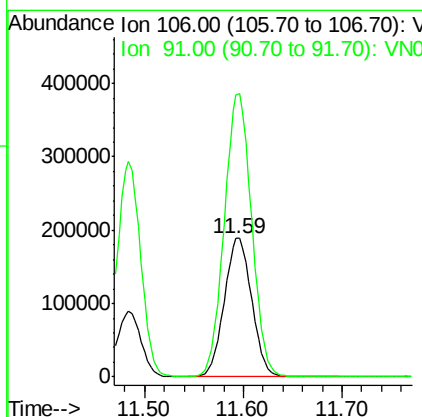
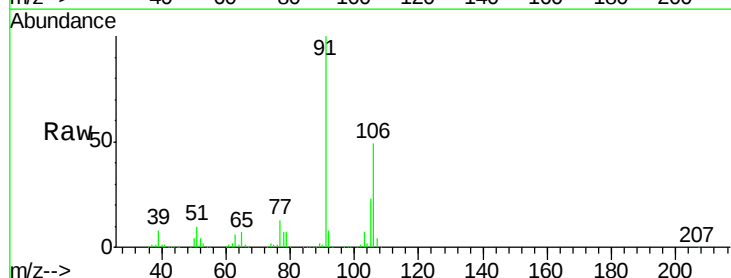
Manual Integrations  
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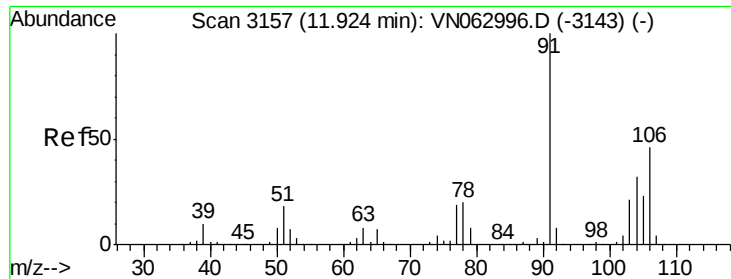
MMDadoda  
8/27/2020 1:28:11 PM



#68  
m/p-Xylenes  
Concen: 104.856 ug/l  
RT: 11.59 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Tgt Ion: 106 Resp: 368126  
Ion Ratio Lower Upper  
106 100  
91 203.4 163.0 244.4





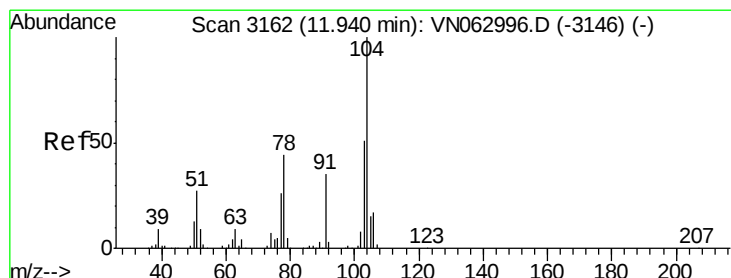
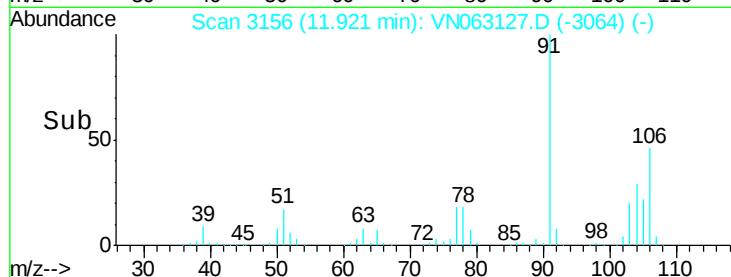
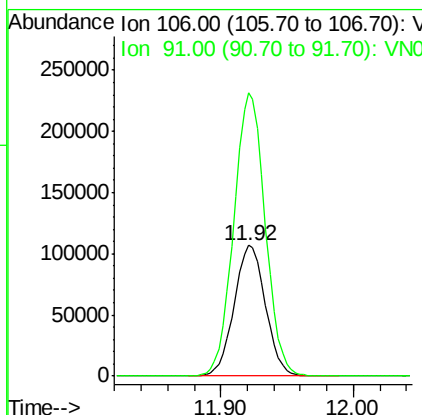
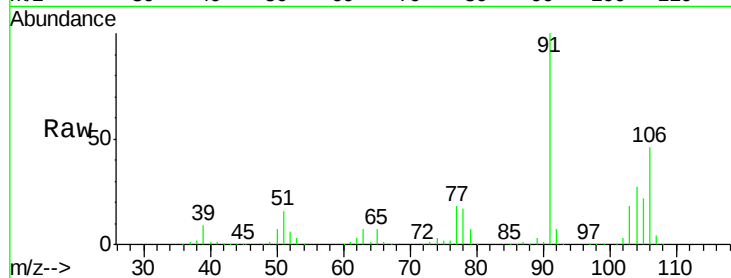
#69  
o-Xylene  
Concen: 52.175 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion:106 Resp: 175897  
Ion Ratio Lower Upper  
106 100  
91 216.0 107.3 321.9

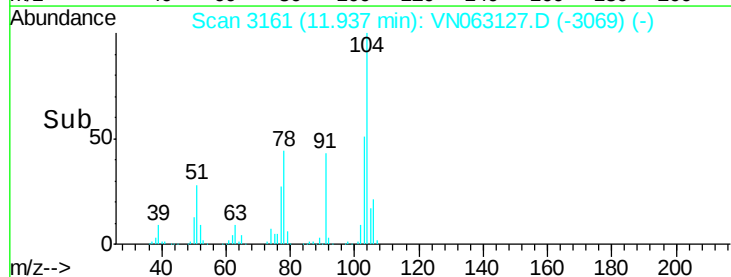
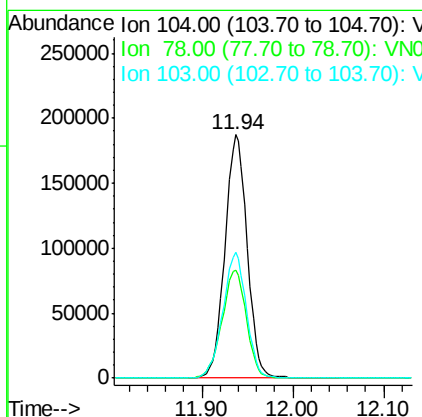
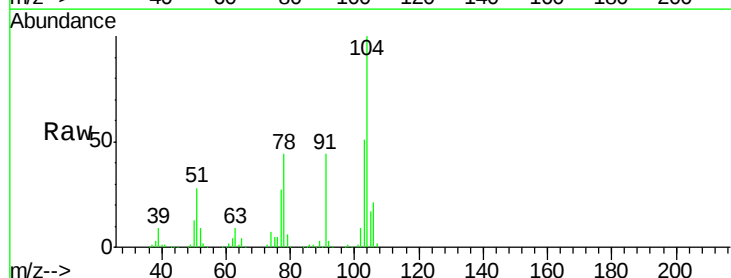
Manual Integrations  
APPROVED

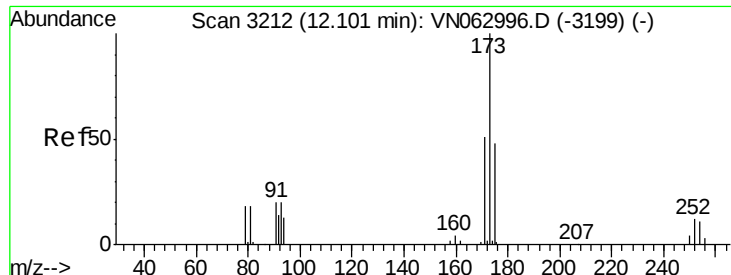
MMDadoda  
8/27/2020 1:28:11 PM



#70  
Styrene  
Concen: 47.660 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Tgt Ion:104 Resp: 318233  
Ion Ratio Lower Upper  
104 100  
78 48.6 39.0 58.6  
103 54.8 44.3 66.5





#71

Bromoform

Concen: 46.619 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 80685

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

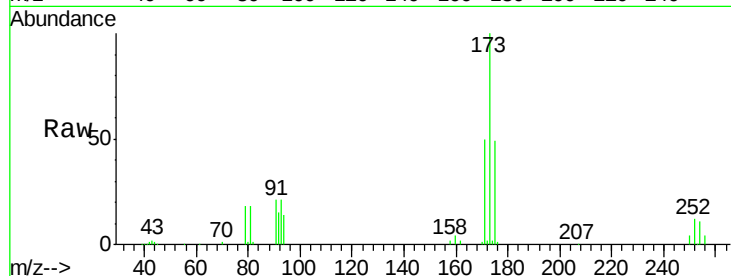
254 0.0 0.0 0.0

Manual Integrations

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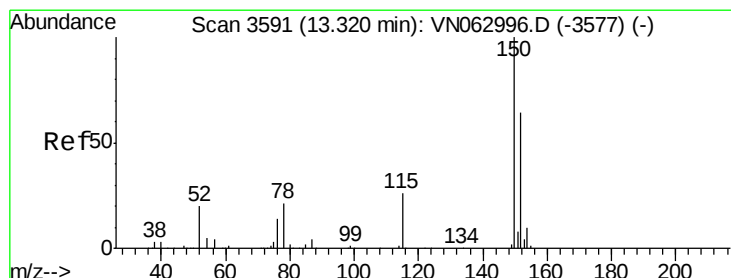
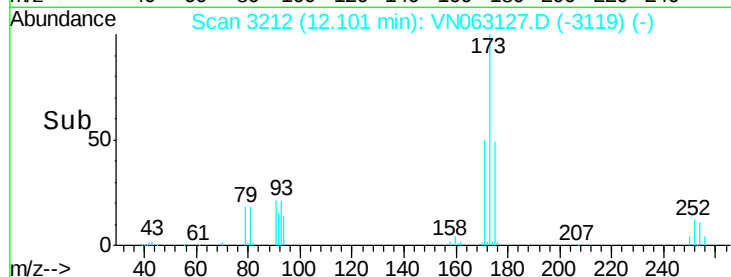
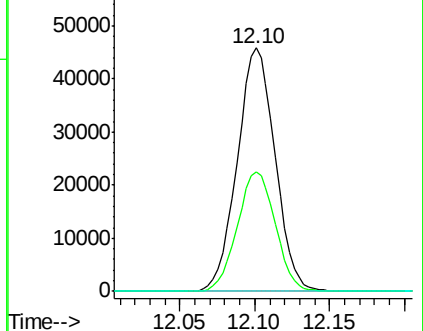
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3590

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

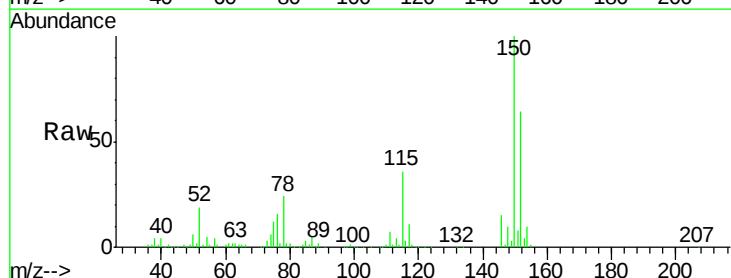
Tgt Ion:152 Resp: 144849

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.3

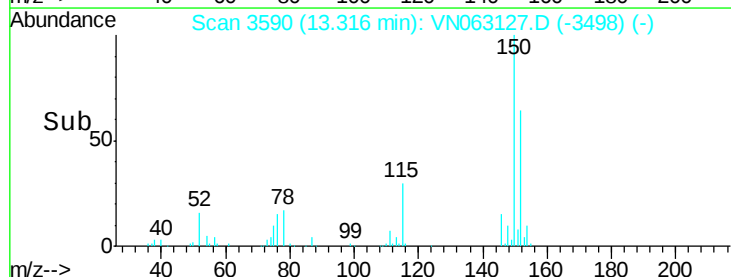
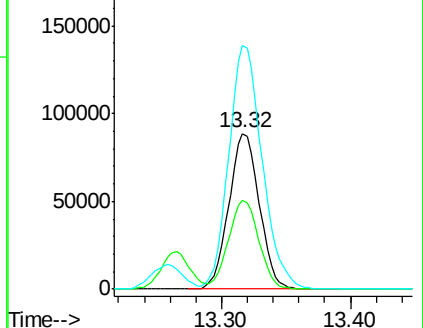
150 173.0 0.0 348.8

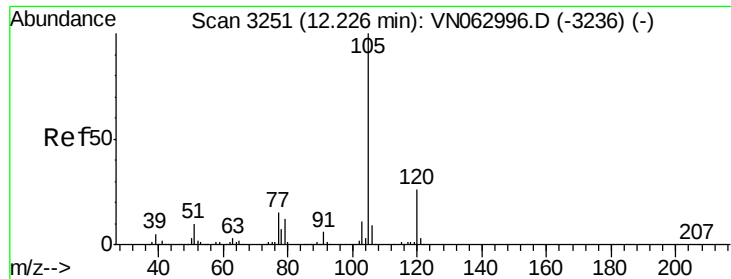


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.182 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 477926

Ion Ratio Lower Upper

105 100

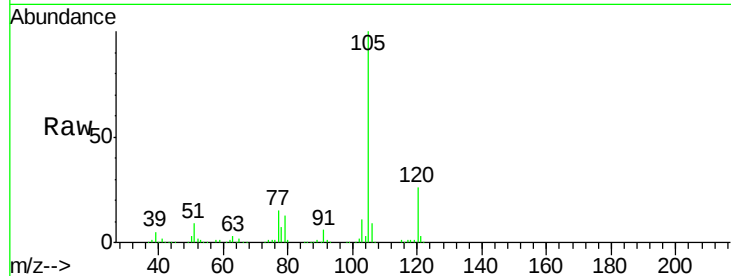
120 26.4 13.2 39.6

Manual Integrations

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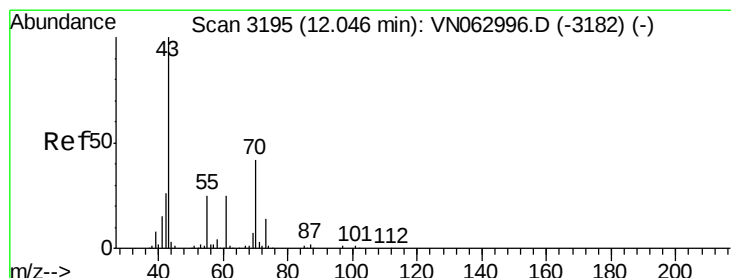
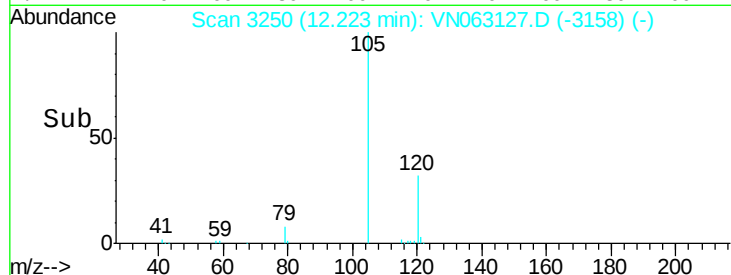
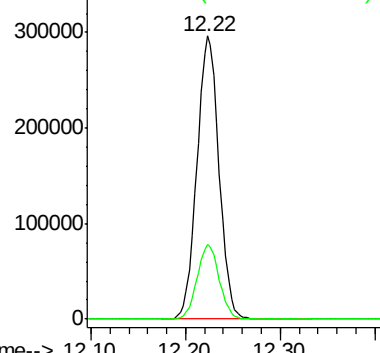
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.160 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Tgt Ion: 43 Resp: 171094

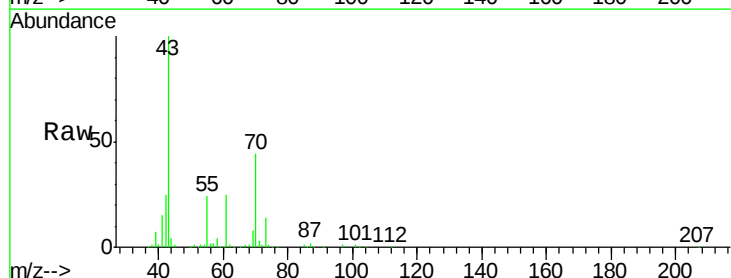
Ion Ratio Lower Upper

43 100

70 43.2 33.4 50.0

55 24.9 20.2 30.2

61 24.9 19.9 29.9

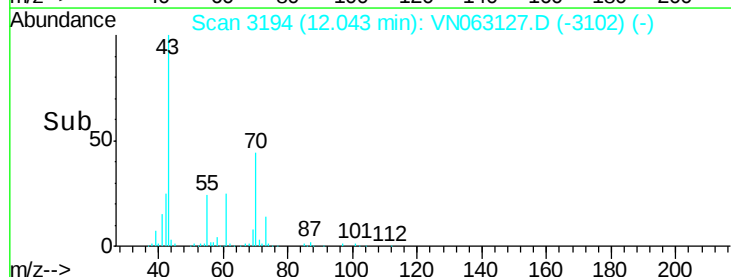
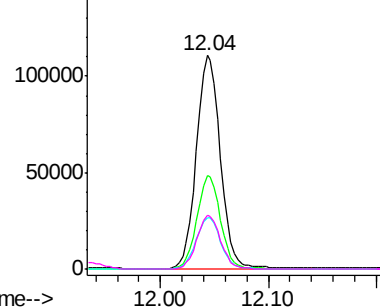


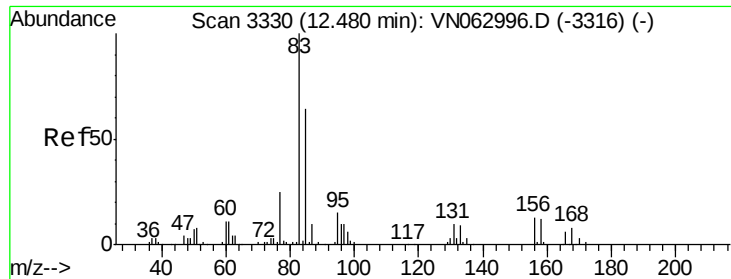
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 42.709 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

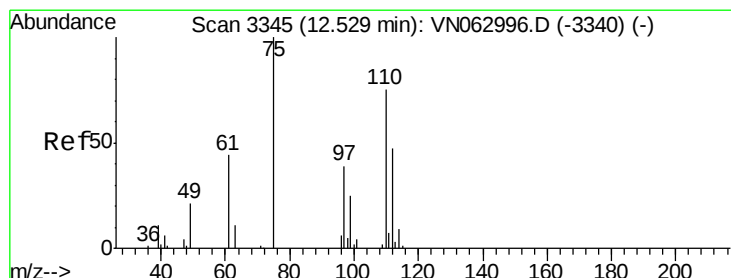
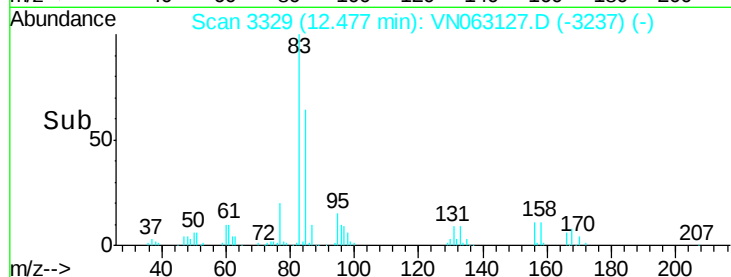
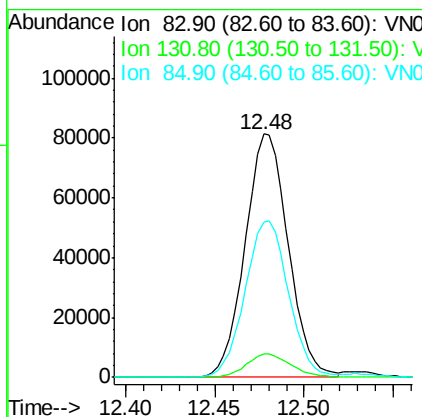
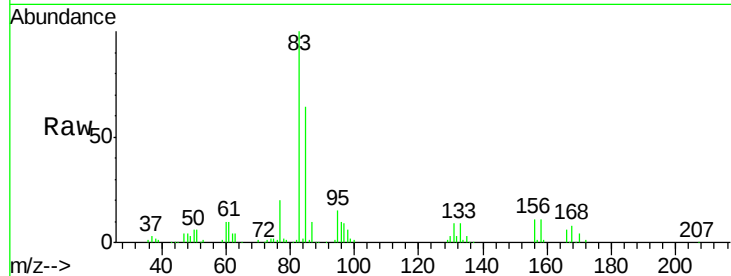
ClientSampled :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 137493 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.9   | 4.9   | 14.7   |
| 85        | 64.9  | 31.9  | 95.5   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 41.619 ug/l m

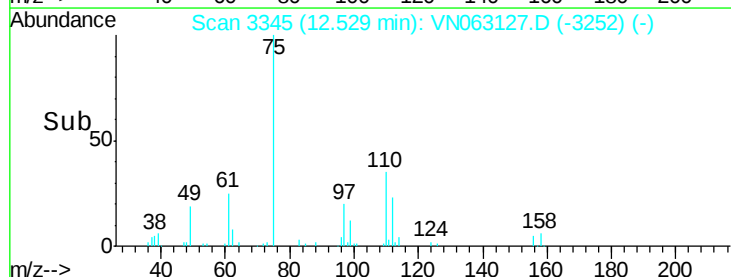
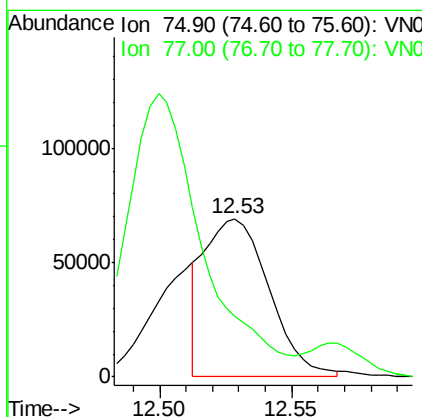
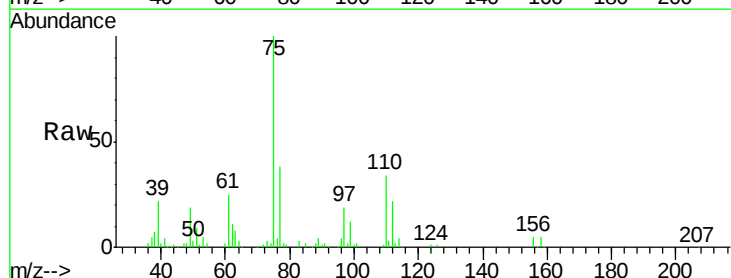
RT: 12.53 min Scan# 3345

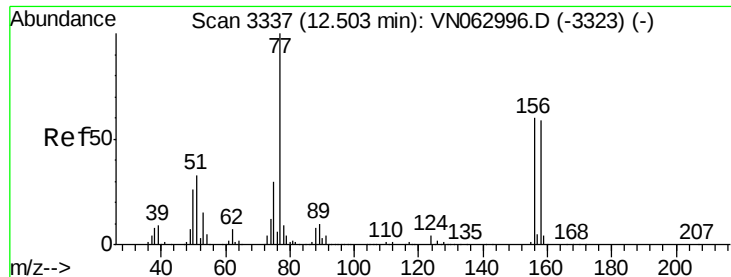
Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 117181 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 46.425 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

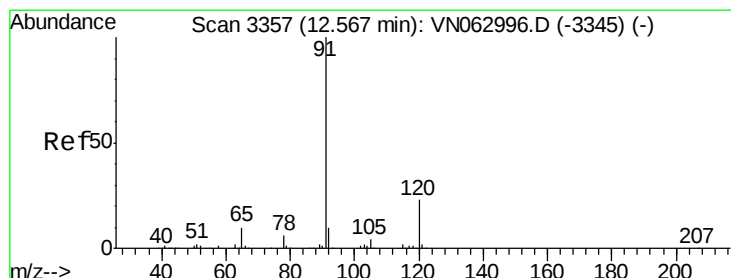
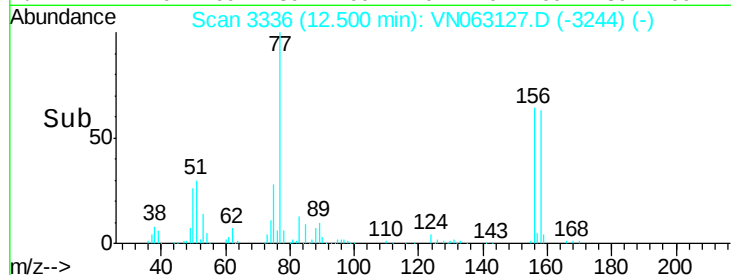
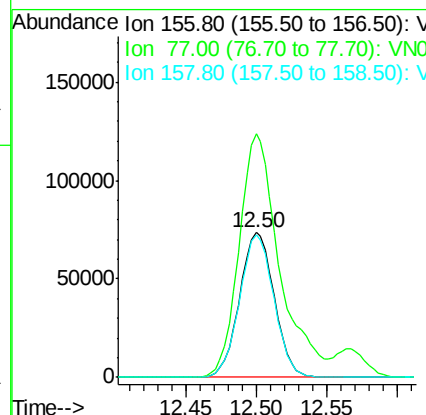
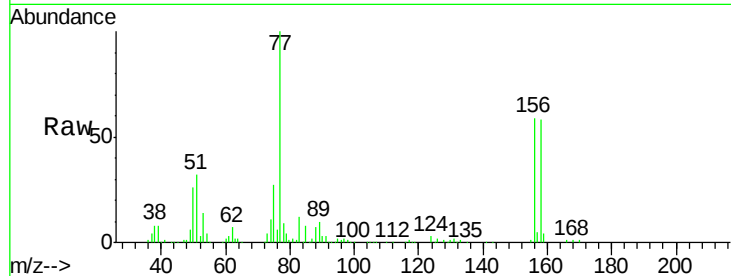
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 196.3 | 101.0 | 302.9 |
| 158     | 97.7  | 49.4  | 148.0 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 50.569 ug/l

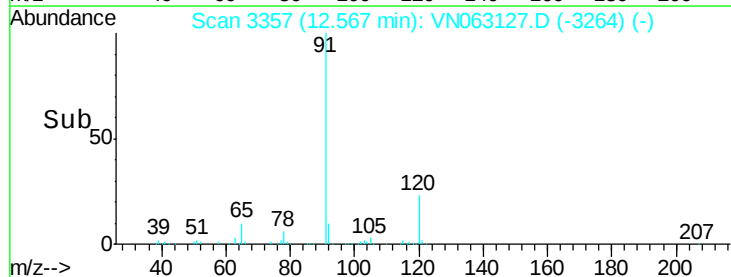
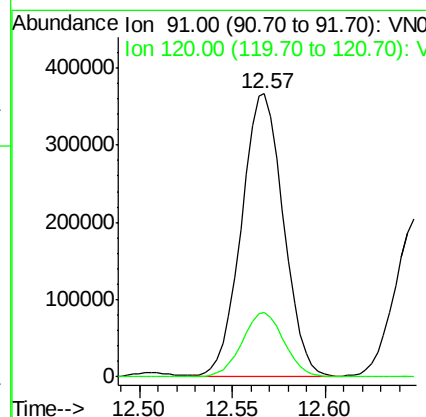
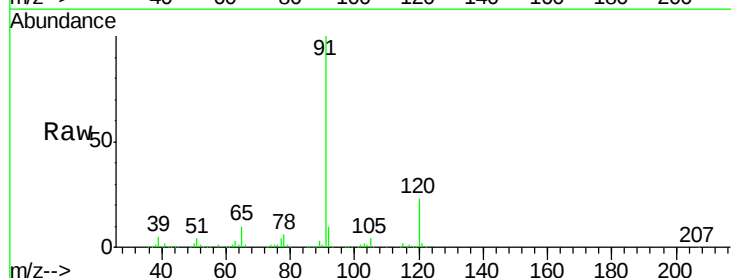
RT: 12.57 min Scan# 3357

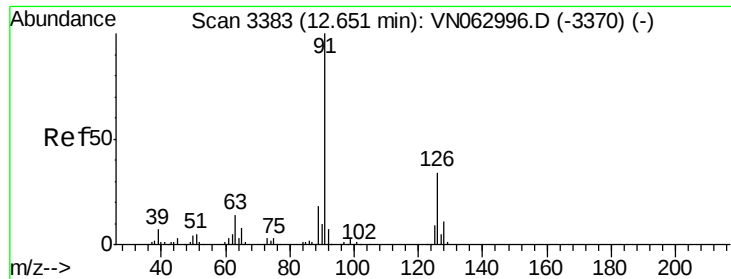
Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.8  | 11.4  | 34.1  |





#79

2-Chlorotoluene

Concen: 47.161 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 335382

Ion Ratio Lower Upper

91 100

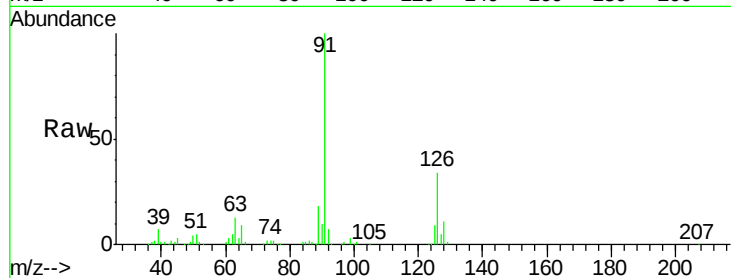
126 34.2 17.1 51.2

Manual Integrations

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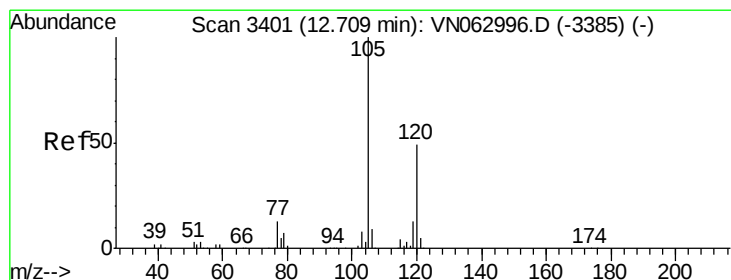
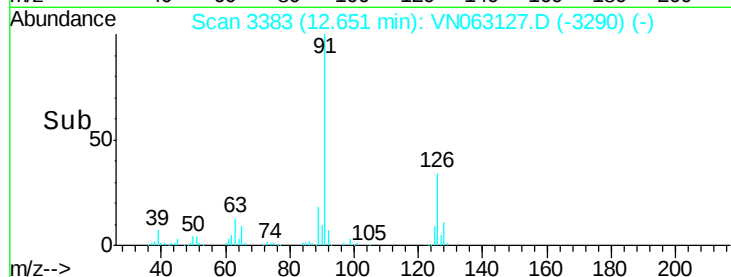
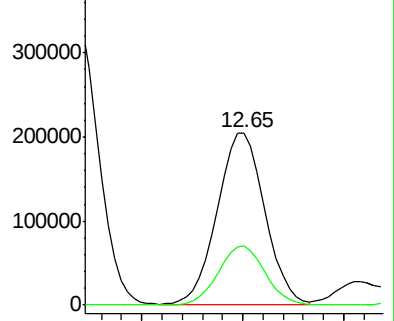
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Abundance Ion 91.00 (90.70 to 91.70): VN063127.D (-3383) (-)

Ion 125.90 (125.60 to 126.60): VN063127.D (-3383) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.982 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063127.D

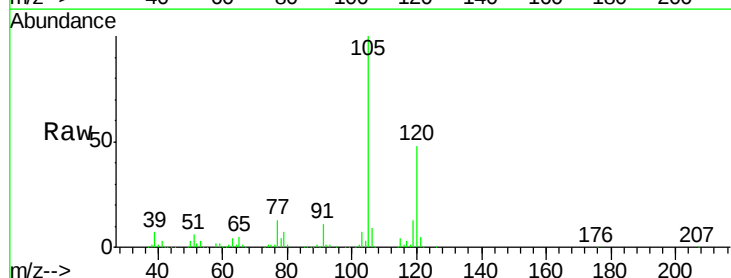
Acq: 26 Aug 2020 12:39

Tgt Ion: 105 Resp: 418040

Ion Ratio Lower Upper

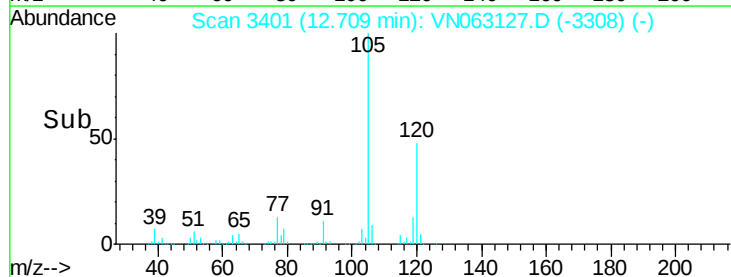
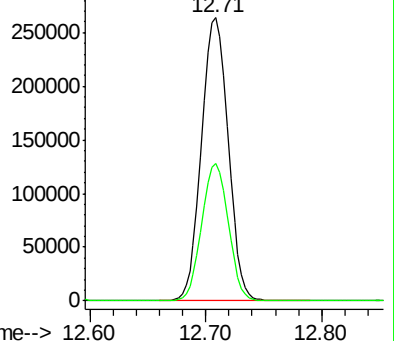
105 100

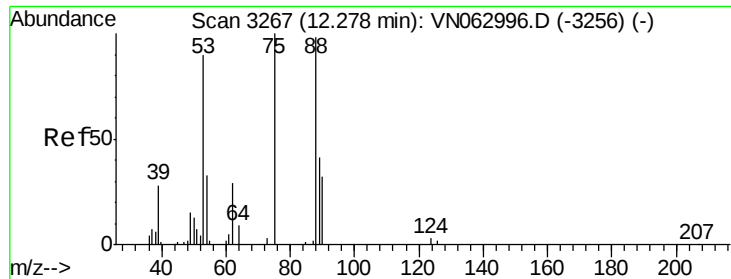
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN063127.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN063127.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.868 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

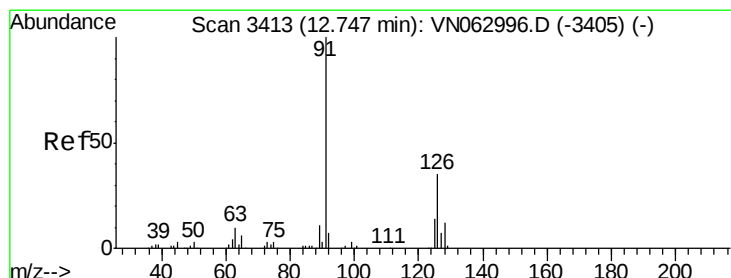
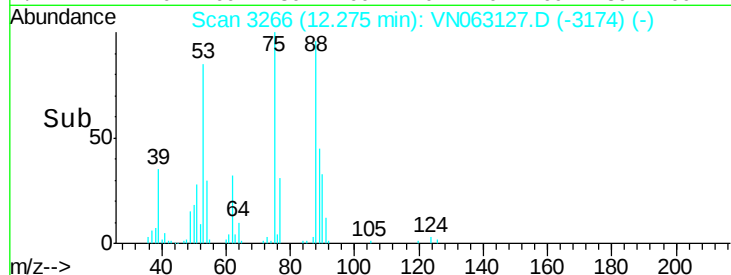
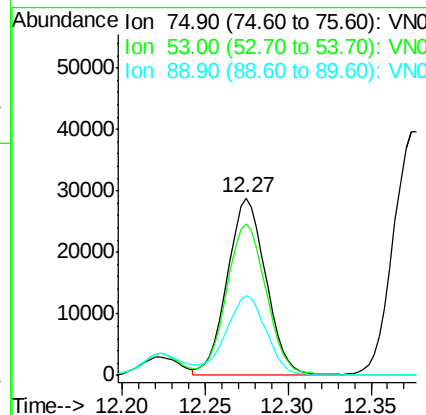
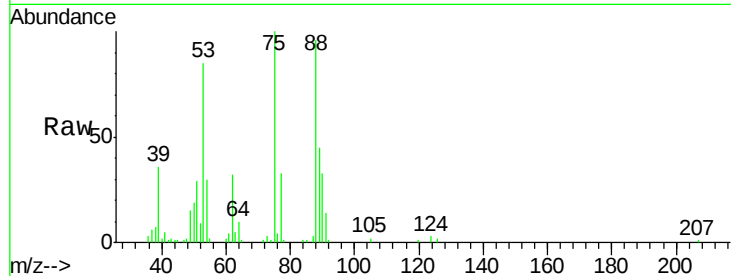
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 47022 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 87.9  | 69.2  | 103.8 |
| 89       | 46.8  | 34.2  | 51.4  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 49.046 ug/l

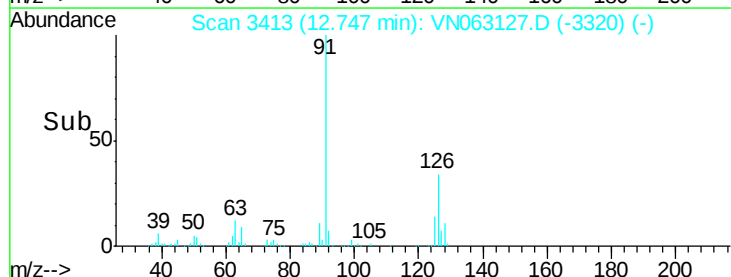
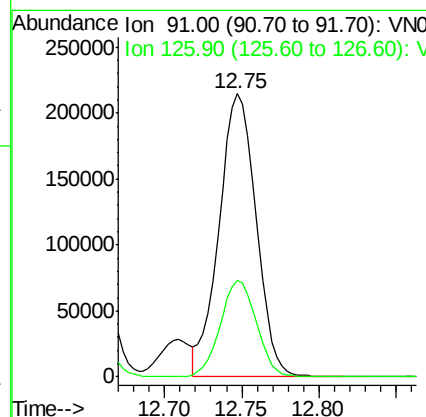
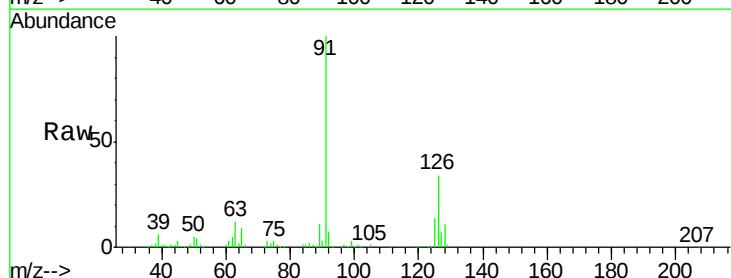
RT: 12.75 min Scan# 3413

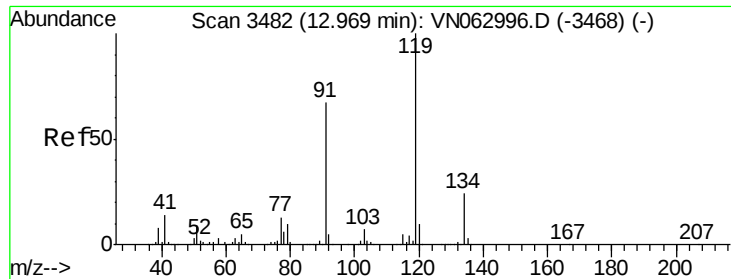
Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 355158 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 33.5  | 16.5  | 49.5   |





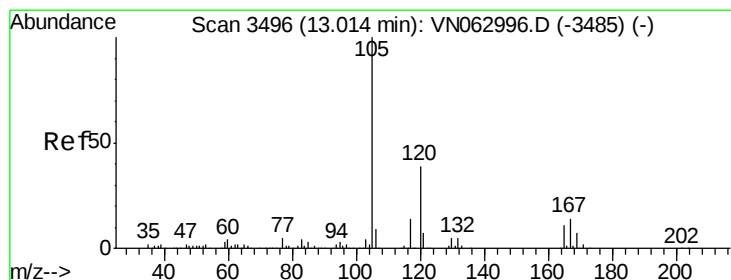
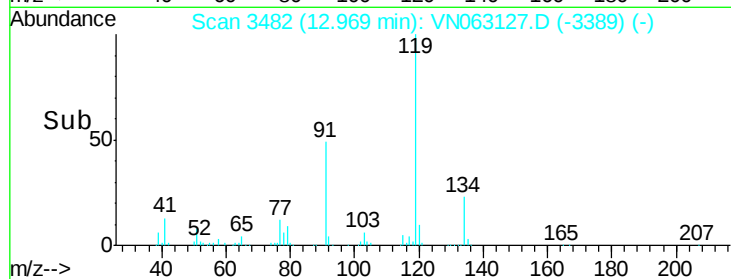
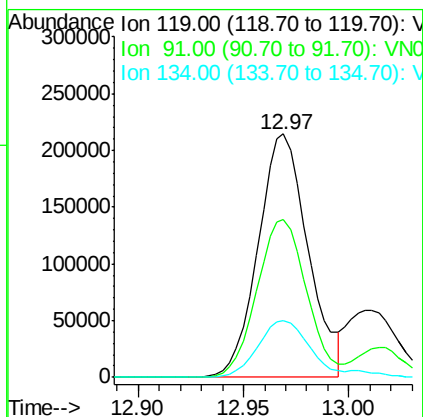
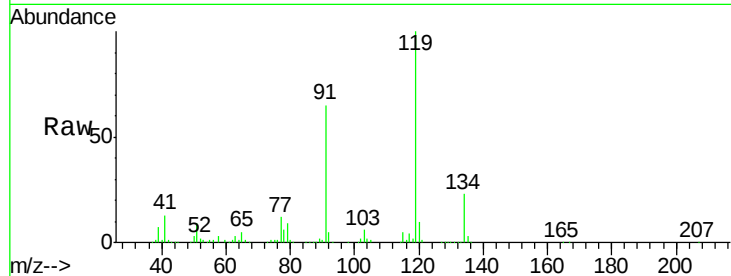
#83  
tert-Butylbenzene  
Concen: 49.966 ug/l  
RT: 12.97 min Scan# 3482  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 353620 |       |       |
| 91      | 64.9  |        | 32.5  | 97.4  |
| 134     | 25.6  |        | 13.1  | 39.3  |

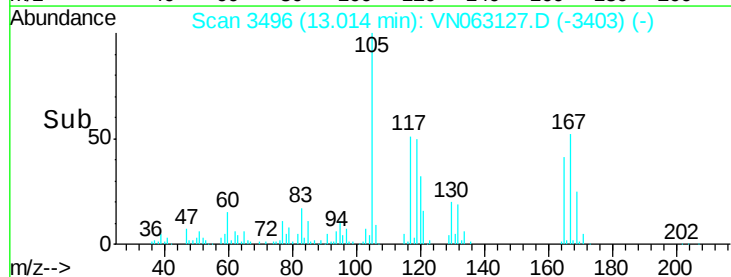
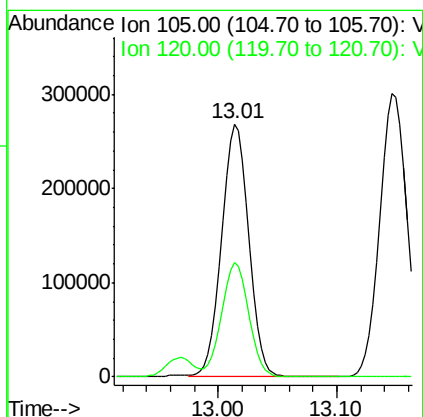
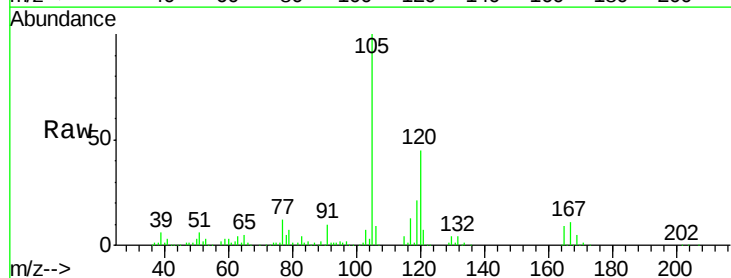
Manual Integrations  
APPROVED

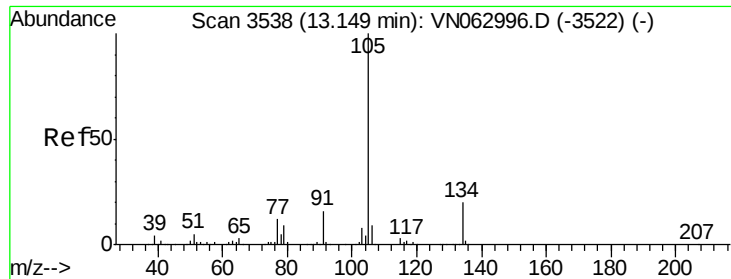
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 53.039 ug/l  
RT: 13.01 min Scan# 3496  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 423691 |       |       |
| 120     | 45.5  |        | 22.5  | 67.5  |





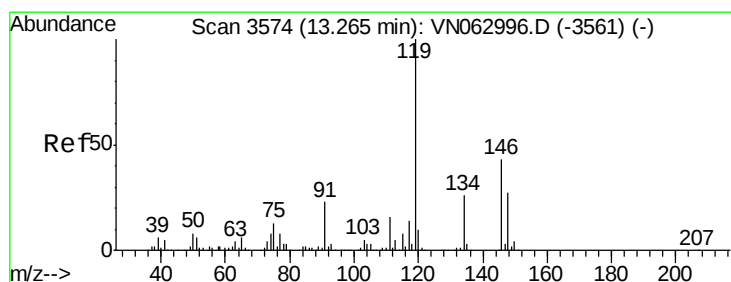
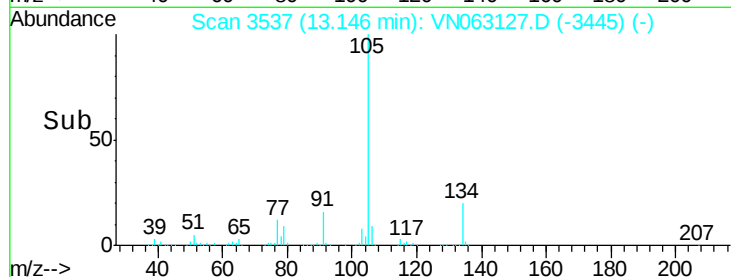
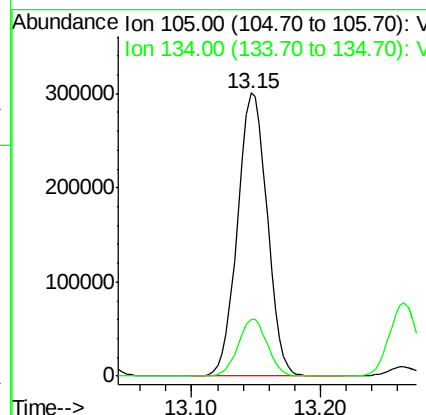
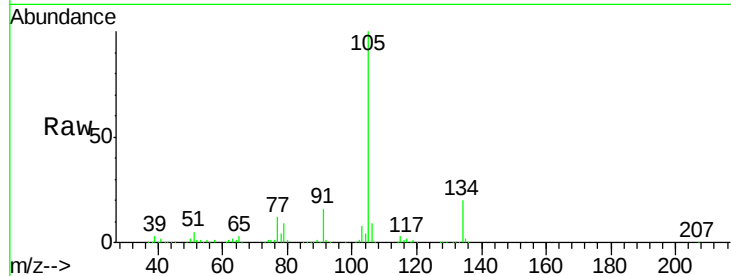
#85  
 sec-Butylbenzene  
 Concen: 50.336 ug/l  
 RT: 13.15 min Scan# 3537  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 481458 |       |       |
| 134     | 19.7  | 9.8    | 29.4  |       |

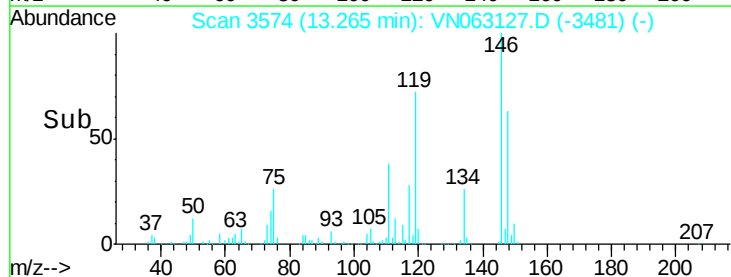
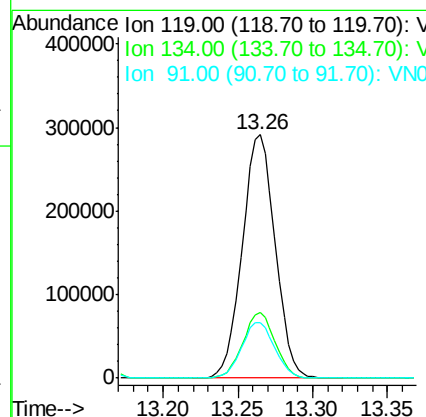
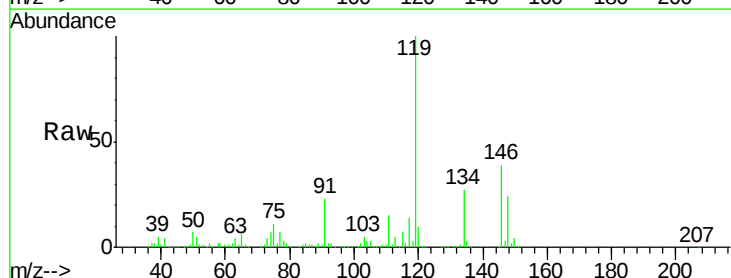
Manual Integrations  
 APPROVED

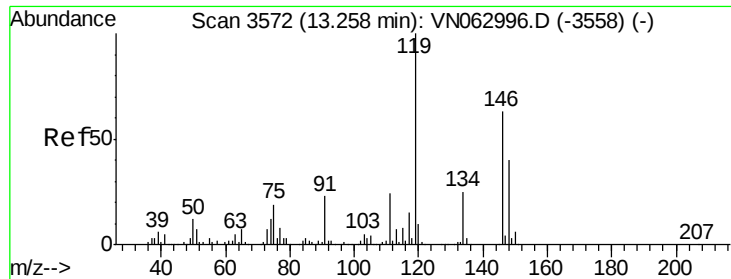
MMDadoda  
 8/27/2020 1:28:11 PM



#86  
 p-Isopropyltoluene  
 Concen: 53.349 ug/l  
 RT: 13.26 min Scan# 3574  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 444618 |       |       |
| 134     | 26.5  | 13.1   | 39.3  |       |
| 91      | 23.0  | 11.5   | 34.4  |       |





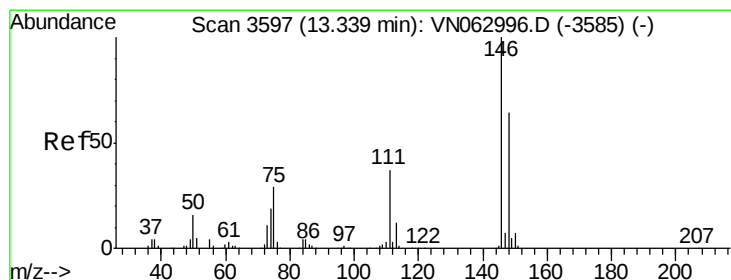
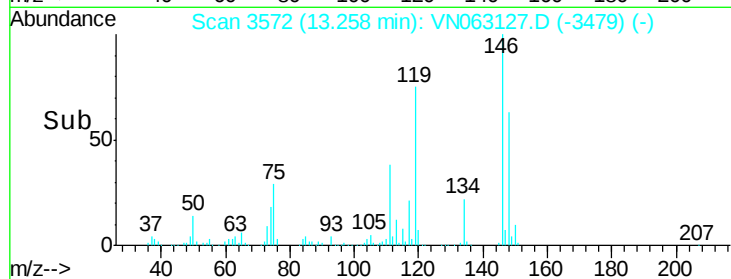
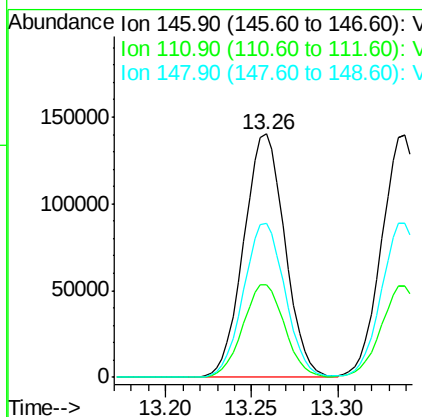
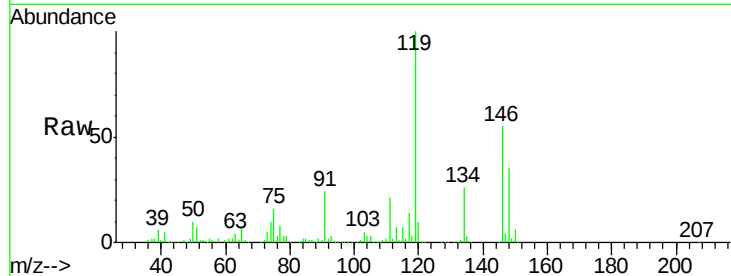
#87  
 1,3-Dichlorobenzene  
 Concen: 49.664 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 232850 |       |       |
| 111     | 38.5  | 19.4   | 58.1  |       |
| 148     | 63.5  | 32.0   | 96.0  |       |

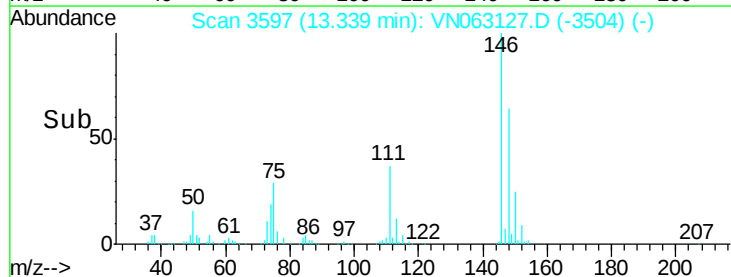
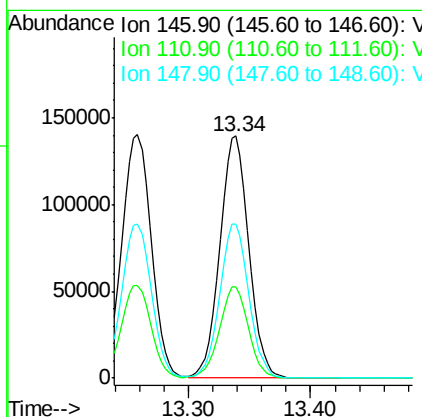
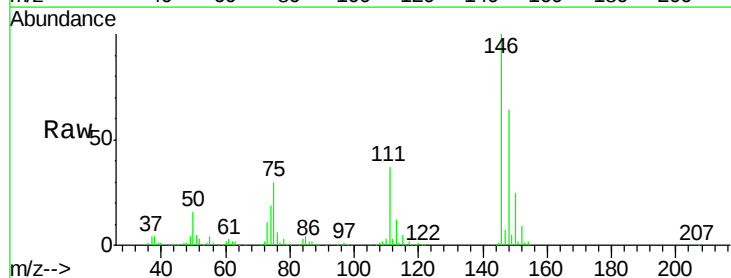
Manual Integrations  
 APPROVED

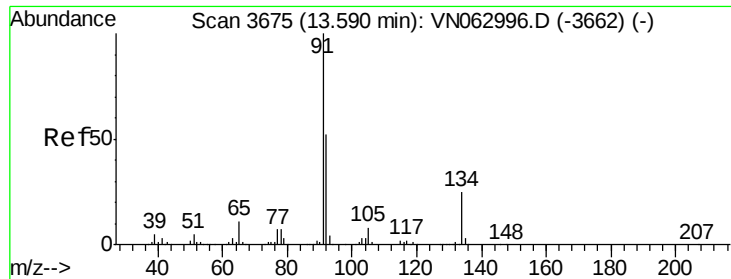
MMDadoda  
 8/27/2020 1:28:11 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 48.854 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 232478 |       |       |
| 111     | 37.7  | 18.8   | 56.4  |       |
| 148     | 63.5  | 32.4   | 97.0  |       |





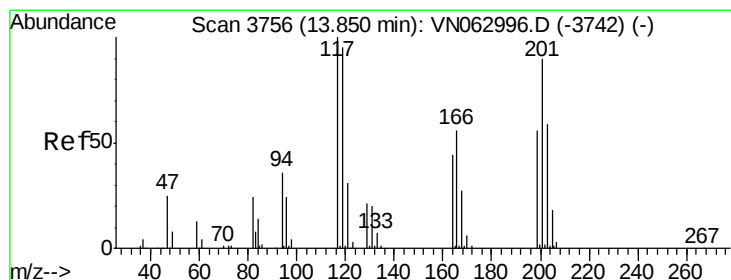
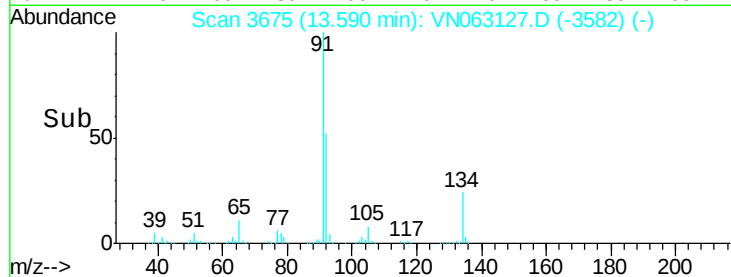
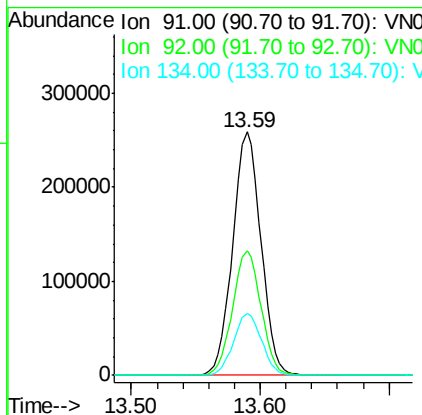
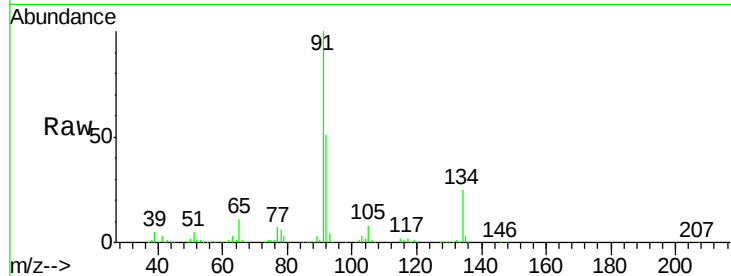
#89  
n-Butylbenzene  
Concen: 49.959 ug/l  
RT: 13.59 min Scan# 3675  
Delta R.T. 0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.7  | 25.9  | 77.6  |
| 134     | 25.2  | 12.4  | 37.0  |

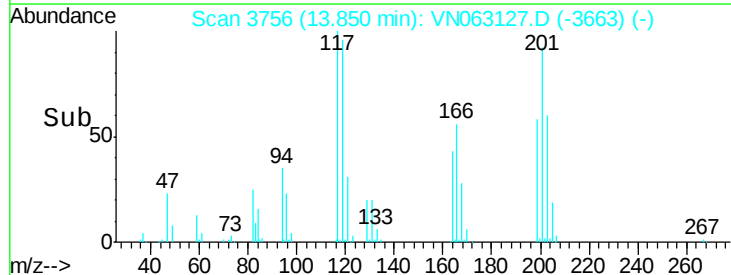
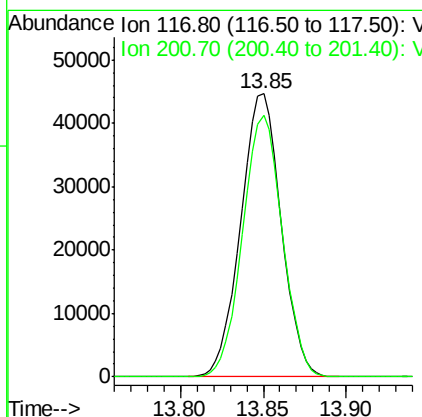
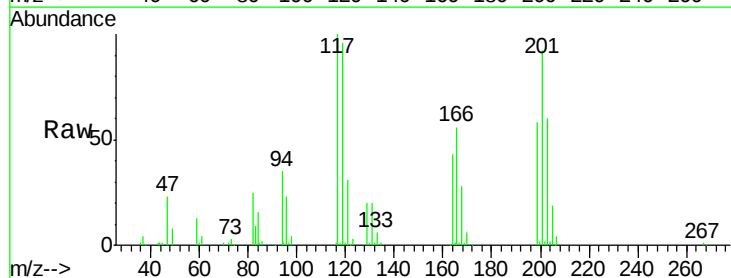
Manual Integrations  
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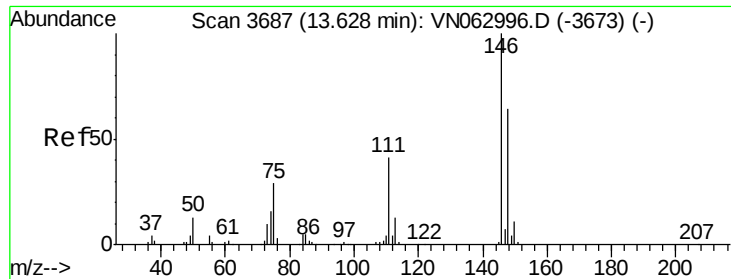
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#90  
Hexachloroethane  
Concen: 42.797 ug/l  
RT: 13.85 min Scan# 3756  
Delta R.T. -0.00 min  
Lab File: VN063127.D  
Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 90.4  | 44.1  | 132.4 |





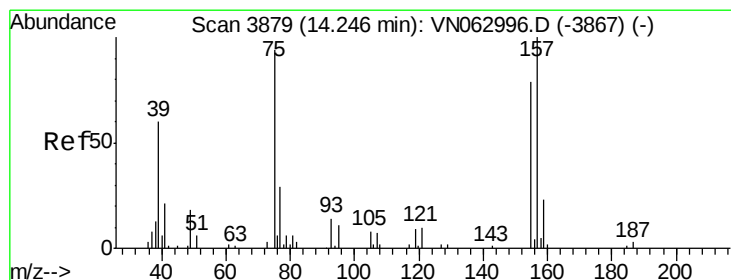
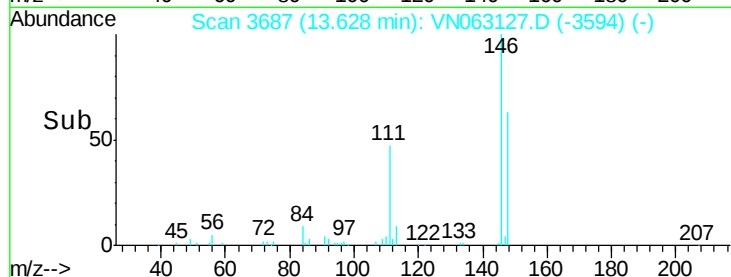
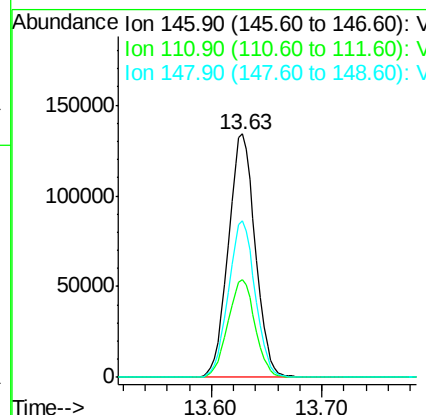
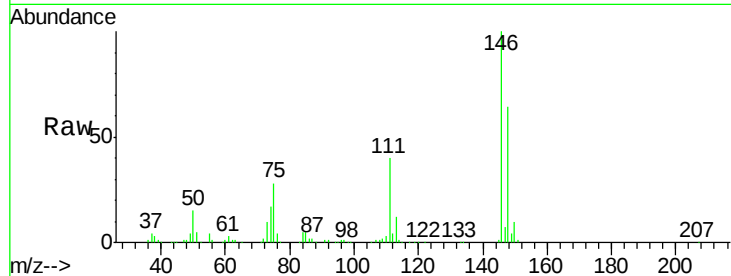
#91  
 1,2-Dichlorobenzene  
 Concen: 50.127 ug/l  
 RT: 13.63 min Scan# 3687  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.4  | 20.2  | 60.5  |
| 148     | 64.1  | 31.9  | 95.5  |

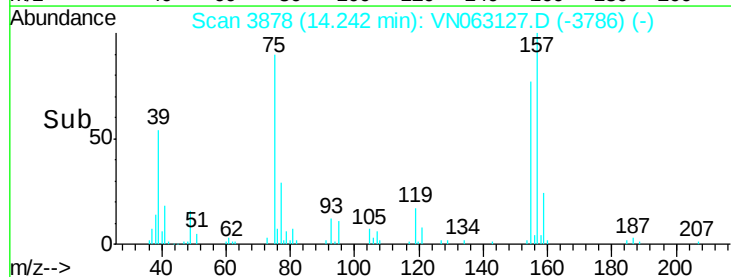
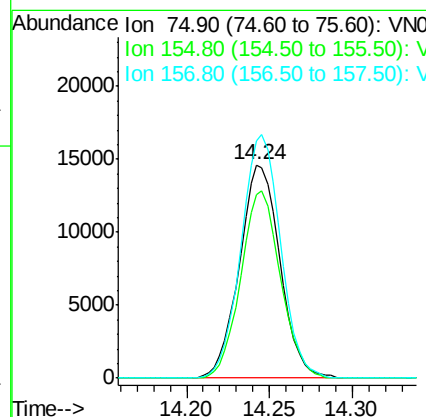
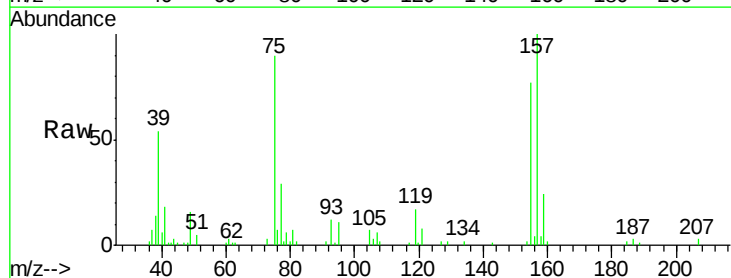
Manual Integrations  
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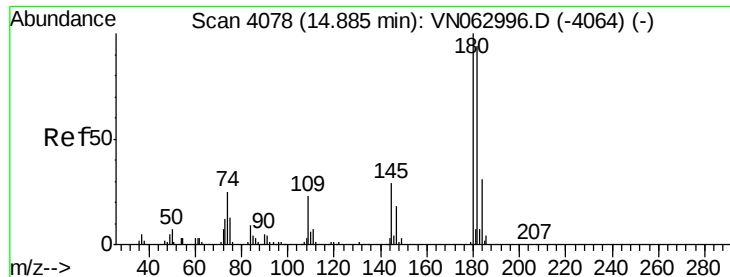
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 49.730 ug/l  
 RT: 14.24 min Scan# 3878  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.8  | 42.4  | 127.1 |
| 157     | 111.4 | 55.2  | 165.6 |





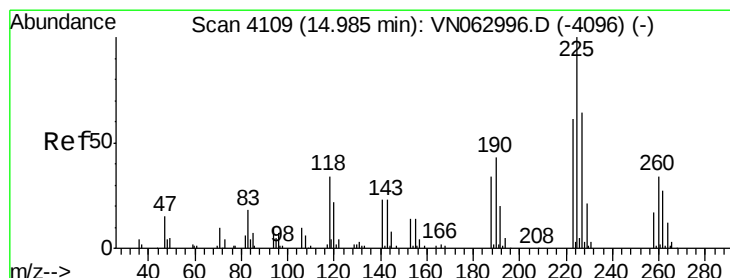
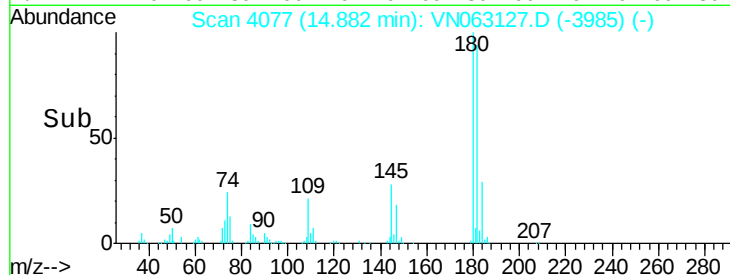
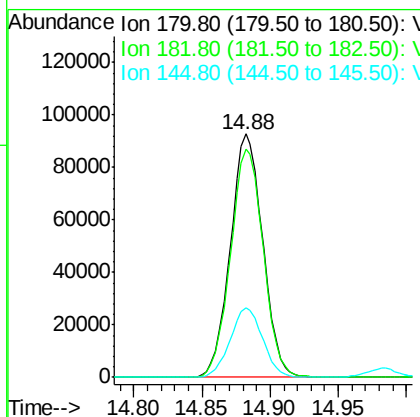
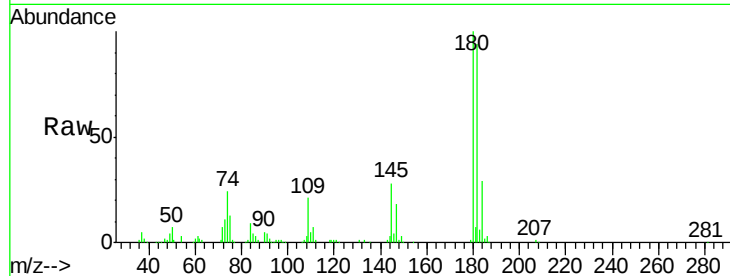
#93  
 1,2,4-Trichlorobenzene  
 Concen: 59.809 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 95.0  | 47.0 | 141.2 |       |
| 145     | 28.7  | 14.1 | 42.4  |       |

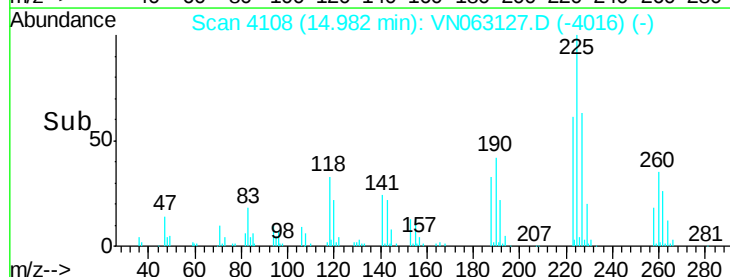
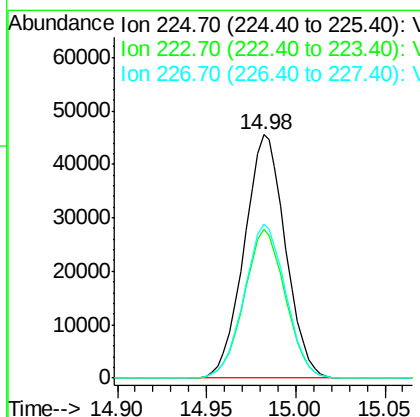
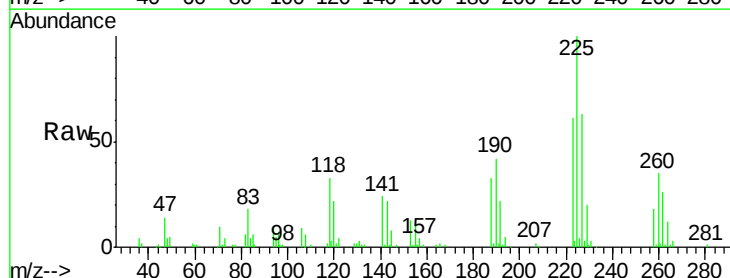
Manual Integrations  
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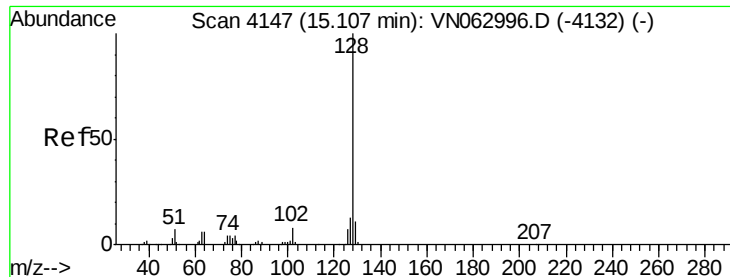
MMDadoda  
 8/27/2020 1:28:11 PM



#94  
 Hexachlorobutadiene  
 Concen: 43.905 ug/l  
 RT: 14.98 min Scan# 4108  
 Delta R.T. -0.00 min  
 Lab File: VN063127.D  
 Acq: 26 Aug 2020 12:39

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 61.3  | 30.9 | 92.5  |       |
| 227     | 63.8  | 31.9 | 95.9  |       |





#95

Naphthalene

Concen: 62.680 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

Instrument :

MSVOA\_N

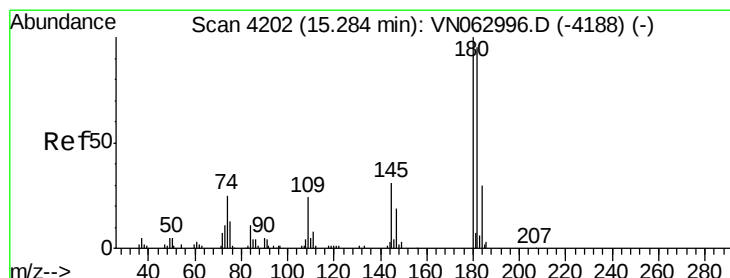
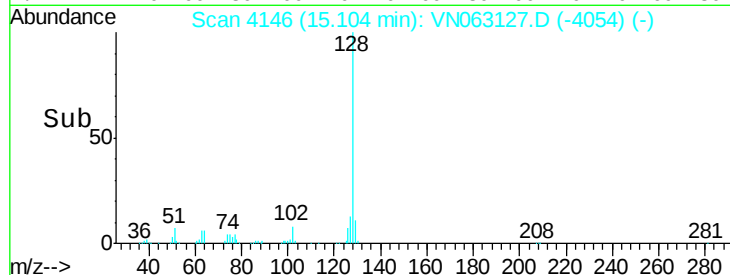
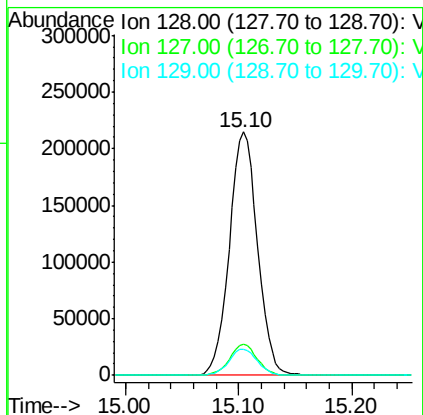
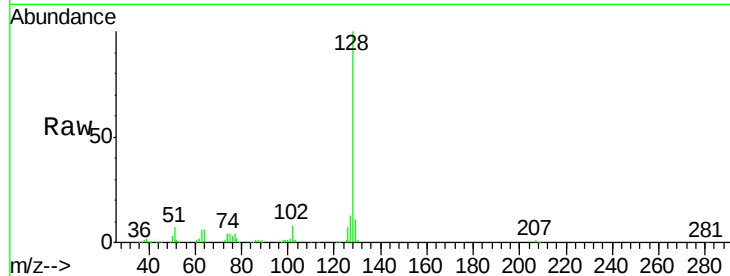
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 371572 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.6  | 10.6  | 16.0   |
| 129       | 10.9  | 8.9   | 13.3   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 57.883 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN063127.D

Acq: 26 Aug 2020 12:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 144116 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.7  | 47.3  | 141.9  |
| 145       | 29.8  | 15.6  | 46.7   |

