

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\  
 Data File : VN063069.D  
 Acq On : 21 Aug 2020 5:42  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 8/21/2020 9:20:26 AM

Quant Time: Aug 21 07:57:16 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  | 165430   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 253567   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 244232   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 121533   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 104337   | 53.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.44% |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 86363    | 52.27 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.54% |      |
| 50) Toluene-d8            | 10.06  | 98  | 334112   | 52.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.30% |      |
| 62) 4-Bromofluorobenzene  | 12.38  | 95  | 118136   | 52.75 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.50% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 109008 | 50.434  | ug/l | 99     |
| 3) Chloromethane              | 2.03 | 50  | 123715 | 54.542  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.16 | 62  | 122303 | 55.754  | ug/l | 98     |
| 5) Bromomethane               | 2.52 | 94  | 67425  | 51.785  | ug/l | 97     |
| 6) Chloroethane               | 2.67 | 64  | 72494  | 55.974  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 144390 | 52.782  | ug/l | 99     |
| 8) Diethyl Ether              | 3.37 | 74  | 46501  | 48.050  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 71346  | 48.400  | ug/l | 99     |
| 10) Methyl Iodide             | 3.91 | 142 | 97917  | 52.406  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.74 | 59  | 54789  | 197.283 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.70 | 96  | 66803  | 47.573  | ug/l | 99     |
| 13) Acrolein                  | 3.57 | 56  | 14100  | 162.065 | ug/l | 100    |
| 14) Allyl chloride            | 4.27 | 41  | 116575 | 47.084  | ug/l | 99     |
| 15) Acrylonitrile             | 4.93 | 53  | 210459 | 257.831 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 154669 | 253.020 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.01 | 76  | 178049 | 48.415  | ug/l | 99     |
| 18) Methyl Acetate            | 4.28 | 43  | 98913  | 50.765  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 258160 | 52.716  | ug/l | 98     |
| 20) Methylene Chloride        | 4.50 | 84  | 88504  | 51.232  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 74280  | 50.546  | ug/l | 95     |
| 22) Diisopropyl ether         | 5.90 | 45  | 304571 | 54.209  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.84 | 43  | 952631 | 251.259 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 160662 | 51.172  | ug/l | 99     |
| 25) 2-Butanone                | 6.79 | 43  | 249571 | 239.761 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 81242  | 32.903  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 92927  | 50.451  | ug/l | 97     |
| 28) Bromochloromethane        | 7.15 | 49  | 86292  | 52.529  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.17 | 42  | 170086 | 253.177 | ug/l | 99     |
| 30) Chloroform                | 7.33 | 83  | 159931 | 50.578  | ug/l | 100    |
| 31) Cyclohexane               | 7.61 | 56  | 146097 | 50.558  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 130871 | 50.696  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 109155 | 48.848  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.88 | 43  | 100197 | 47.854  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 111040 | 49.221  | ug/l | 98     |

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 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
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 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 8/21/2020 9:20:26 AM

Quant Time: Aug 21 07:57:16 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   | 136354   | 45.347  | ug/l   | 99       |
| 40) Benzene                    | 8.00  | 78   | 354943   | 50.082  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.13  | 41   | 51022    | 51.145  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 119229   | 50.102  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.13  | 43   | 169149   | 48.763  | ug/l # | 90       |
| 44) Trichloroethene            | 8.80  | 130  | 85564    | 48.536  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 102408   | 49.989  | ug/l   | 99       |
| 46) Dibromomethane             | 9.17  | 93   | 60852    | 51.418  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.37  | 83   | 131283   | 50.647  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.17  | 41   | 82225    | 50.099  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 25886    | 721.063 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 546226   | 249.124 | ug/l   | 100      |
| 52) Toluene                    | 10.12 | 92   | 221301   | 51.763  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 128291   | 47.860  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 141705   | 48.190  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 92005    | 50.329  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 129636   | 46.057  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 152651   | 50.287  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 130276   | 192.730 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.72 | 43   | 380248   | 248.628 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.87 | 129  | 101167   | 50.007  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 90059    | 51.271  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.60 | 164  | 78212    | 48.717  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.41 | 112  | 239950   | 48.919  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 94703    | 49.638  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.48 | 91   | 422676   | 50.998  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.60 | 106  | 323225   | 104.928 | ug/l   | 99       |
| 69) o-Xylene                   | 11.92 | 106  | 153164   | 51.778  | ug/l   | 98       |
| 70) Styrene                    | 11.94 | 104  | 275984   | 47.129  | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 75486    | 49.708  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.22 | 105  | 418097   | 50.236  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.05 | 43   | 148418   | 49.792  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 135805   | 50.587  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 111917m  | 47.376  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 111598   | 48.755  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.57 | 91   | 493733   | 52.047  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 293685   | 49.220  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 360368   | 52.380  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 37514    | 43.614  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 305611   | 50.300  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.97 | 119  | 305041   | 51.370  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 356937   | 53.255  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.15 | 105  | 408743   | 50.933  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 356013   | 50.913  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 195425   | 49.679  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 192507   | 48.215  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.59 | 91   | 282481   | 43.032  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.85 | 117  | 71726    | 48.259  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 193373   | 50.890  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 21682    | 51.729  | ug/l   | 96       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

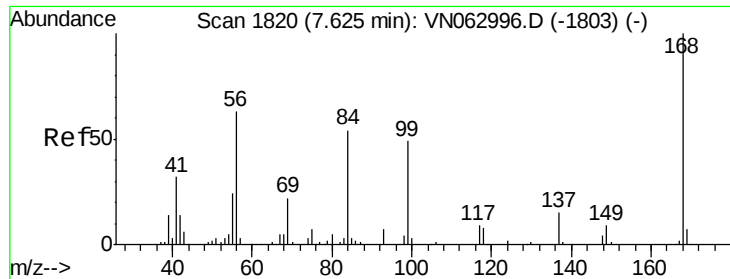
MMDadoda  
8/21/2020 9:20:26 AM

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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  | 90412    | 43.568 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 59749    | 42.552 | ug/l  | 99       |
| 95) Naphthalene            | 15.10 | 128  | 199360   | 42.116 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 88694    | 43.514 | 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: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 165430

Ion Ratio Lower Upper

168 100

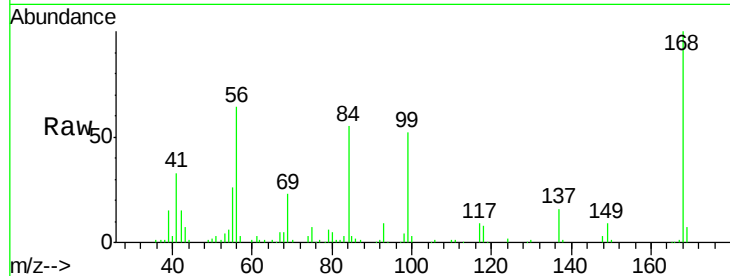
99 51.5 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

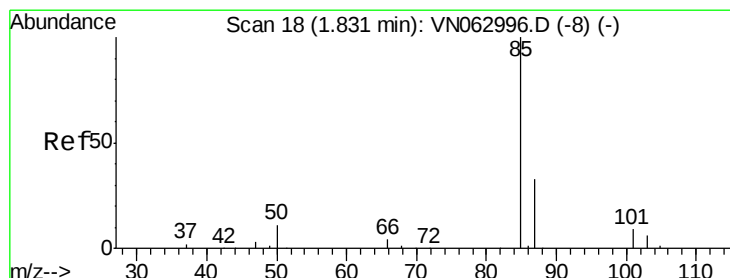
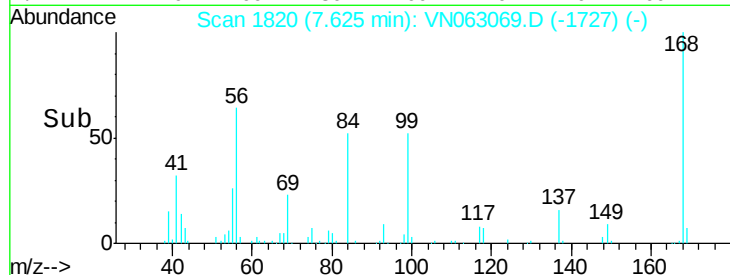
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 50.434 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063069.D

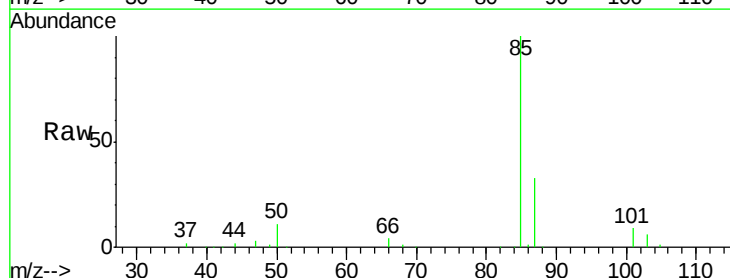
Acq: 21 Aug 2020 5:42

Tgt Ion: 85 Resp: 109008

Ion Ratio Lower Upper

85 100

87 33.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

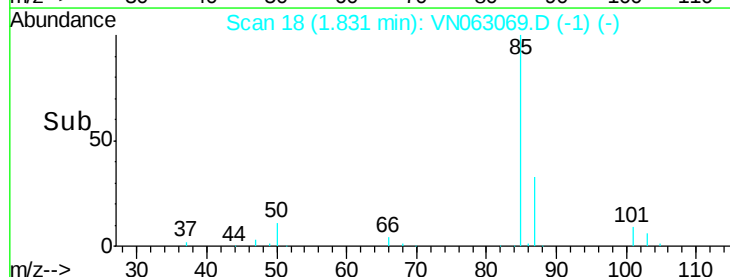
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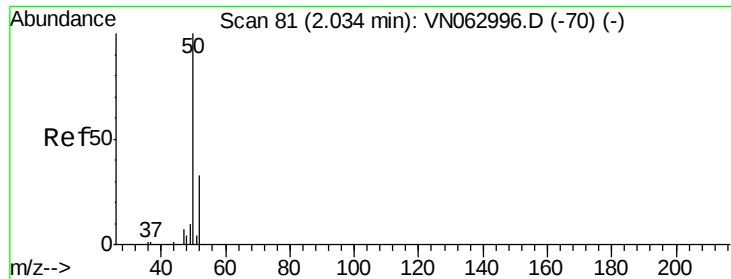
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 54.542 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 123715

Ion Ratio Lower Upper

50 100

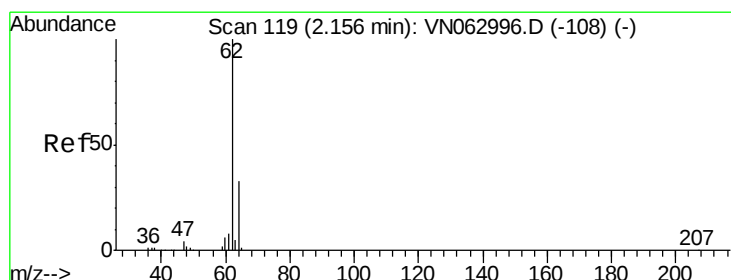
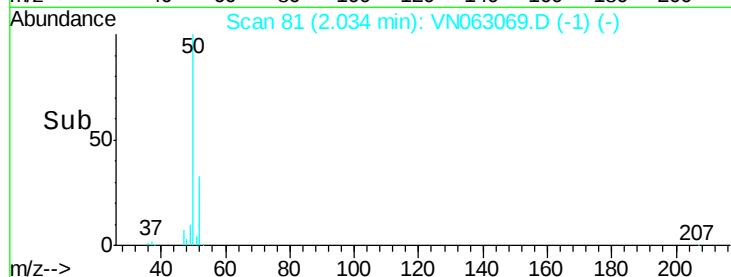
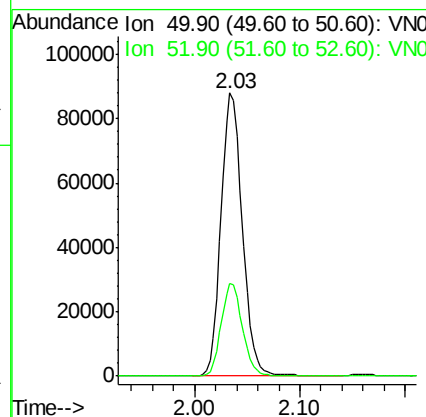
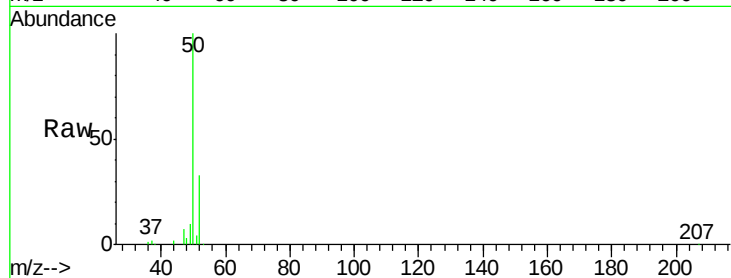
52 32.7 26.0 39.0

Manual Integrations

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8/21/2020 9:20:26 AM



#4

Vinyl Chloride

Concen: 55.754 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063069.D

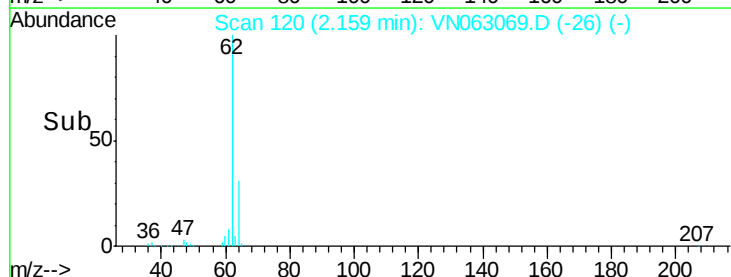
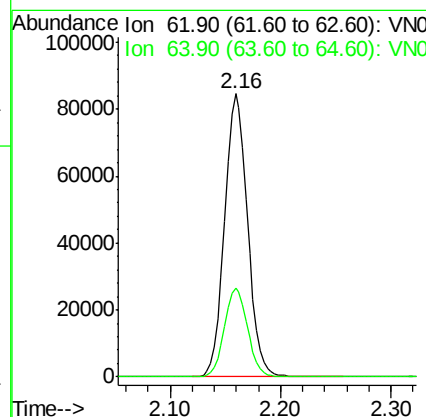
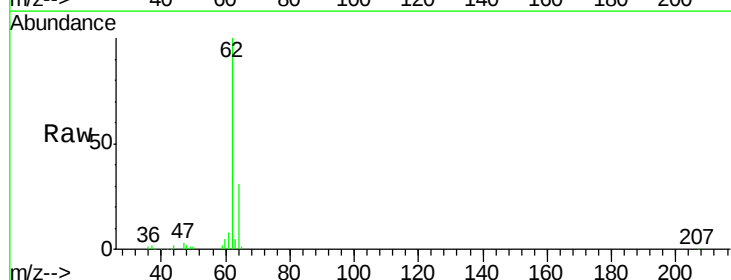
Acq: 21 Aug 2020 5:42

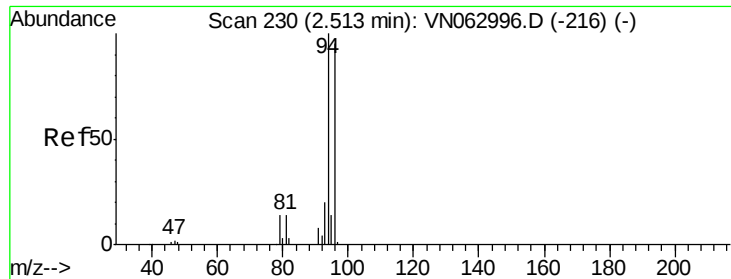
Tgt Ion: 62 Resp: 122303

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 51.785 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 67425

Ion Ratio Lower Upper

94 100

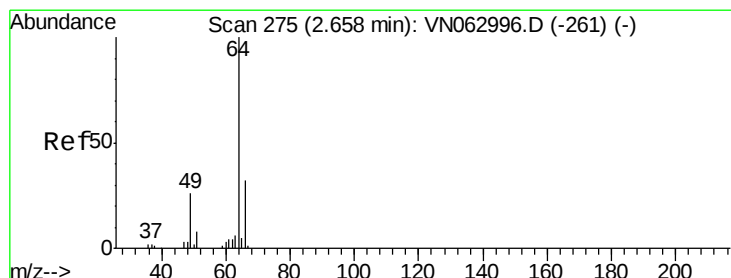
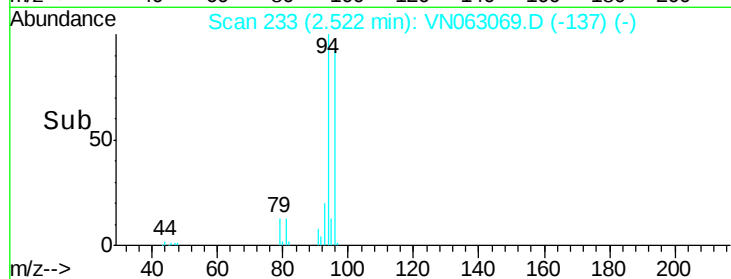
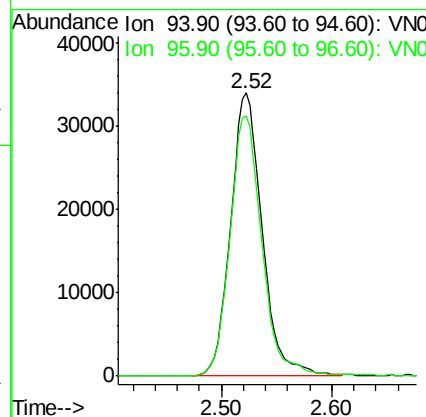
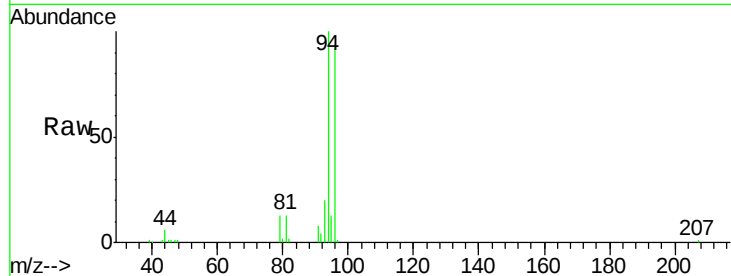
96 92.1 75.8 113.8

Manual Integrations

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8/21/2020 9:20:26 AM



#6

Chloroethane

Concen: 55.974 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063069.D

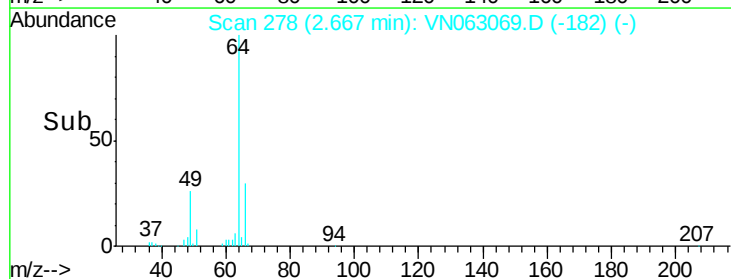
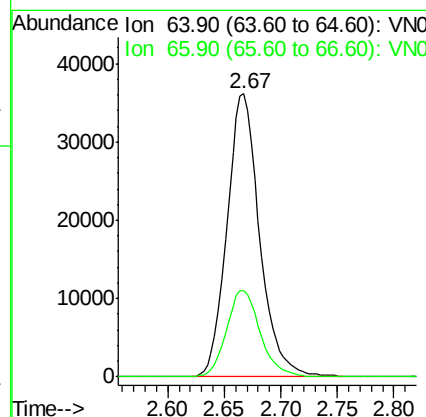
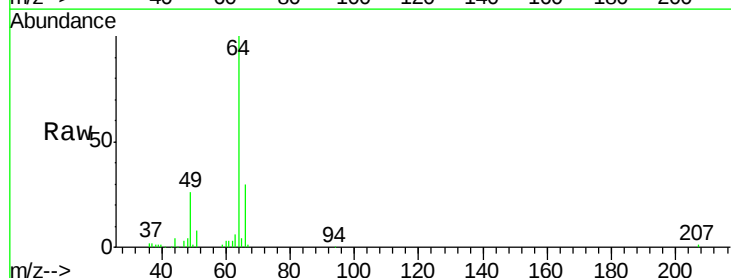
Acq: 21 Aug 2020 5:42

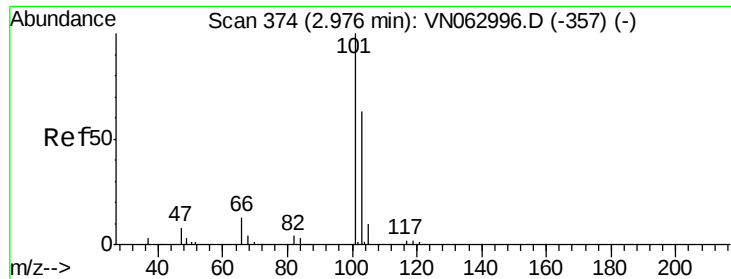
Tgt Ion: 64 Resp: 72494

Ion Ratio Lower Upper

64 100

66 30.4 25.4 38.0





#7

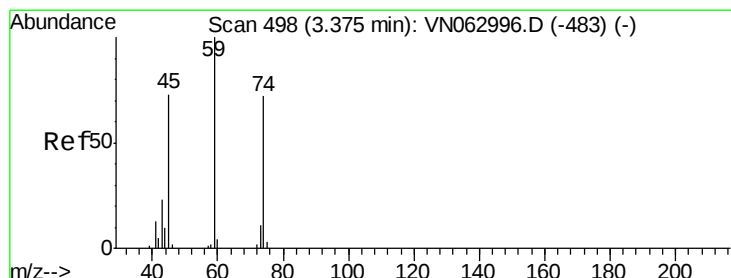
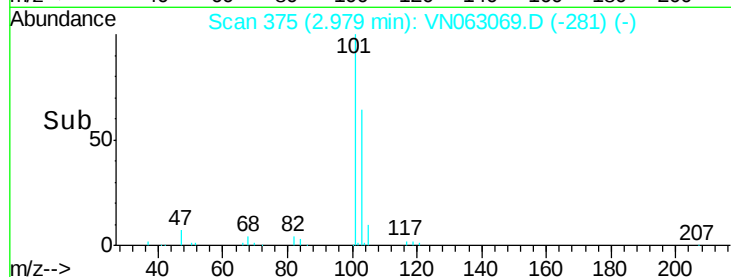
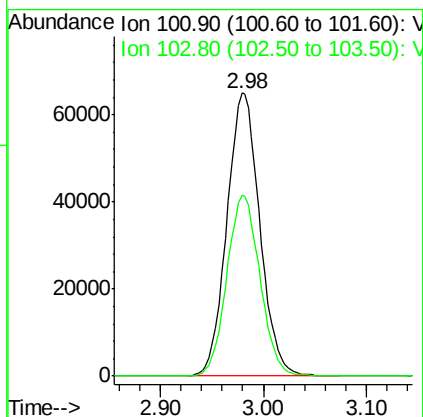
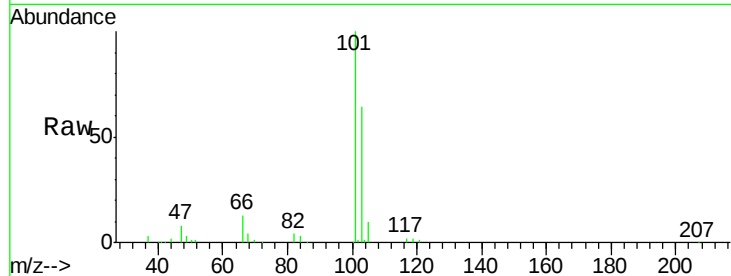
Trichlorofluoromethane  
 Concen: 52.782 ug/l  
 RT: 2.98 min Scan# 375  
 Delta R.T. 0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.7  | 50.5  | 75.7  |

Manual Integrations  
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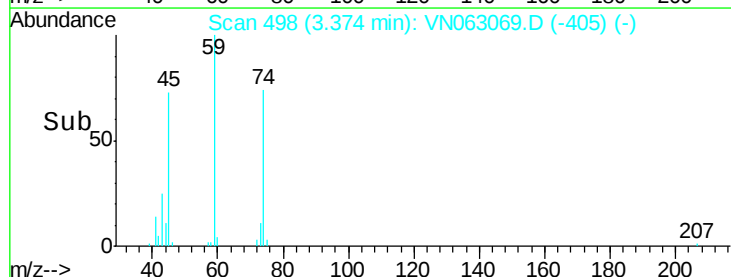
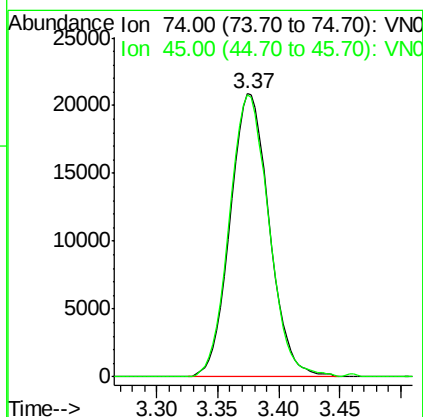
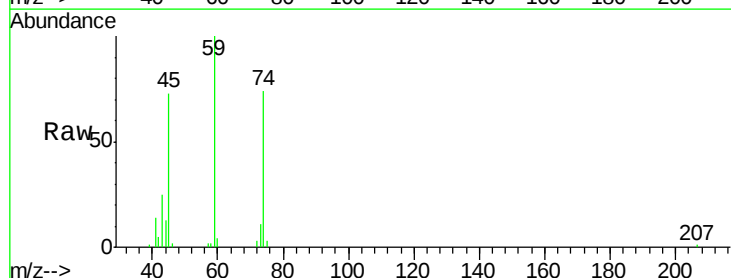
MMDadoda  
 8/21/2020 9:20:26 AM

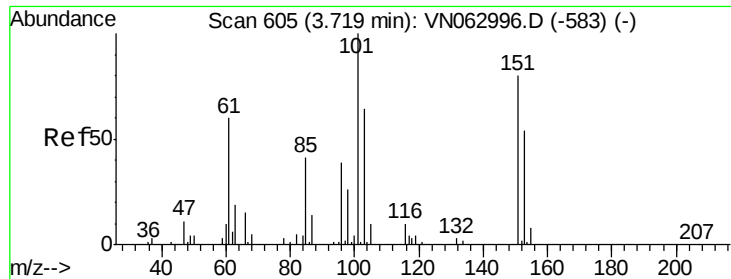


#8

Diethyl Ether  
 Concen: 48.050 ug/l  
 RT: 3.37 min Scan# 498  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 100.7 | 49.9  | 149.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.400 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

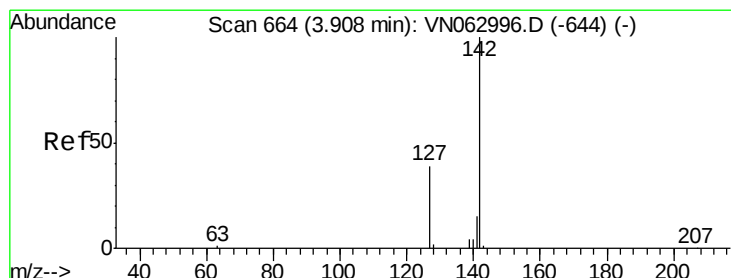
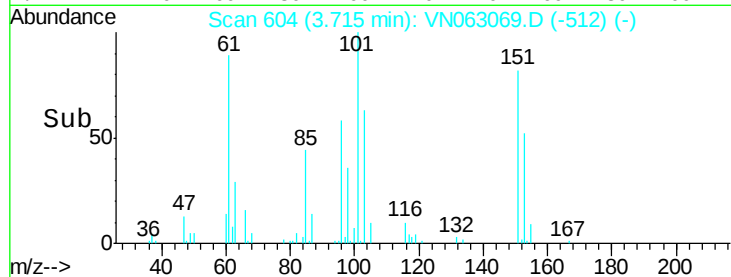
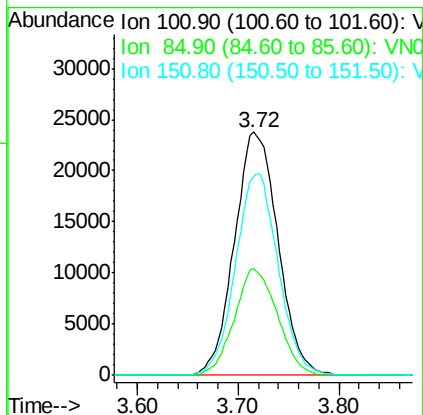
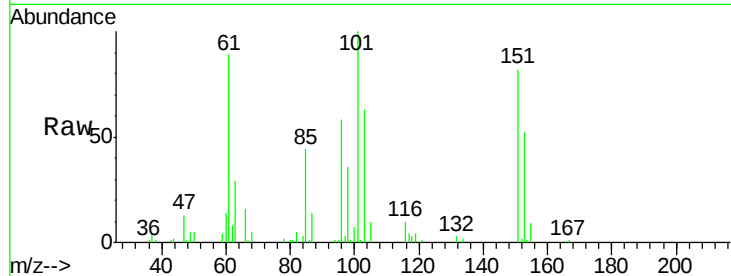
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 71346 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.1  | 34.0  | 51.0  |
| 151       | 81.1  | 65.8  | 98.8  |

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8/21/2020 9:20:26 AM



#10

Methyl Iodide

Concen: 52.406 ug/l

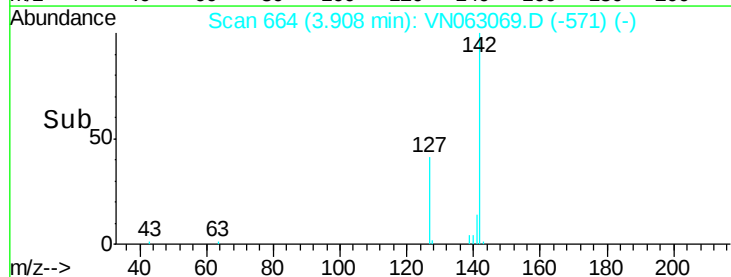
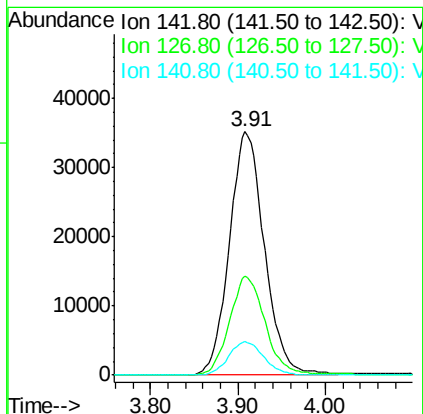
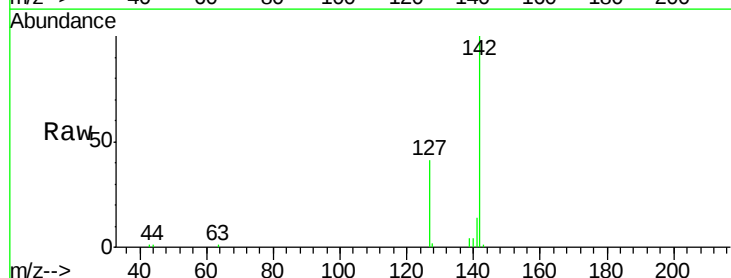
RT: 3.91 min Scan# 664

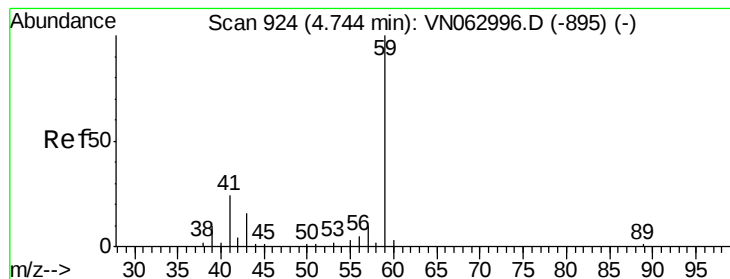
Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 97917 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.1  | 32.2  | 48.4  |
| 141       | 13.7  | 11.3  | 16.9  |





#11

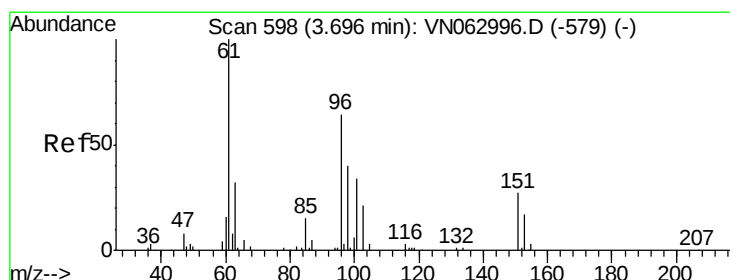
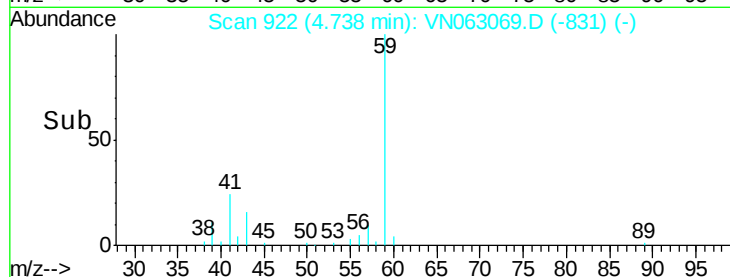
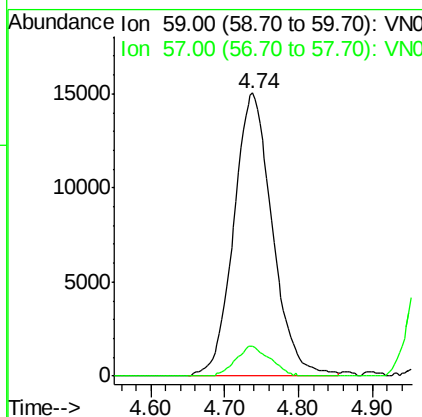
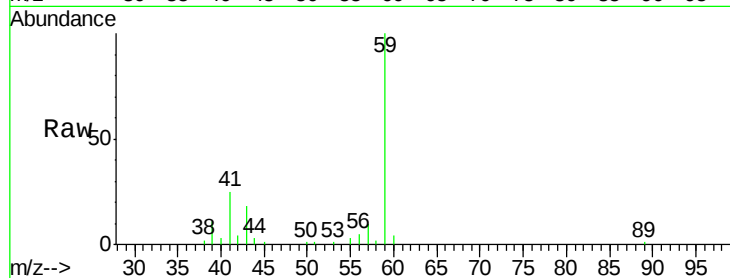
Tert butyl alcohol  
 Concen: 197.283 ug/l  
 RT: 4.74 min Scan# 922  
 Delta R.T. -0.01 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.4   | 7.8   | 11.6  |

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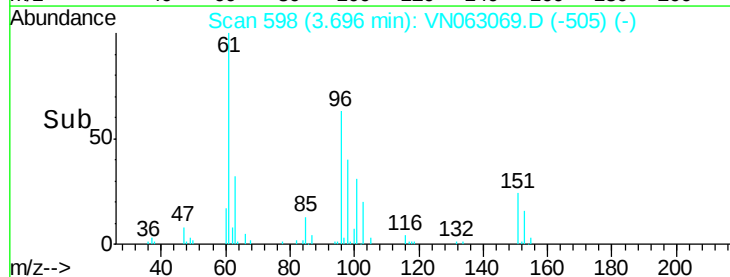
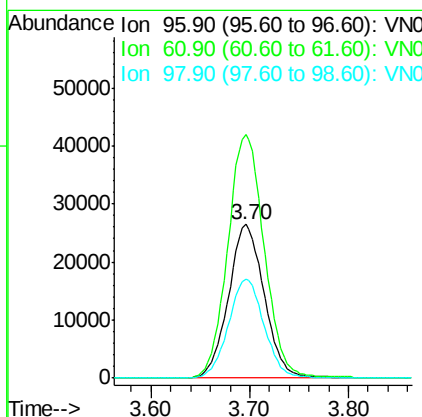
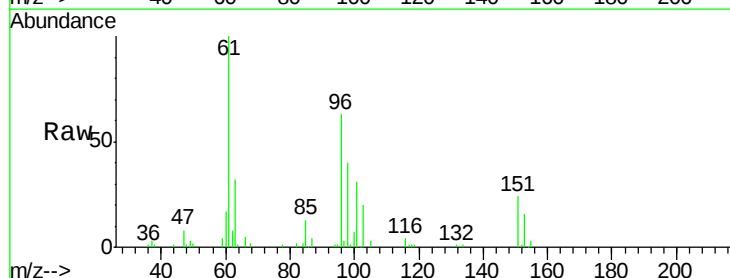
MMDadoda  
 8/21/2020 9:20:26 AM

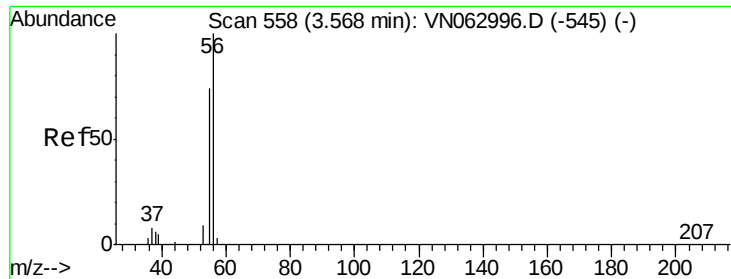


#12

1,1-Dichloroethene  
 Concen: 47.573 ug/l  
 RT: 3.70 min Scan# 598  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 158.2 | 125.5 | 188.3 |
| 98      | 64.0  | 50.4  | 75.6  |





#13

Acrolein

Concen: 162.065 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 14100

Ion Ratio Lower Upper

56 100

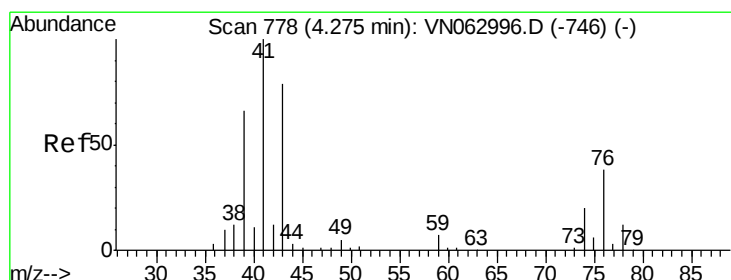
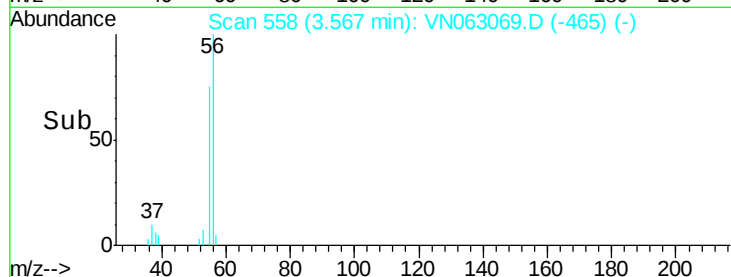
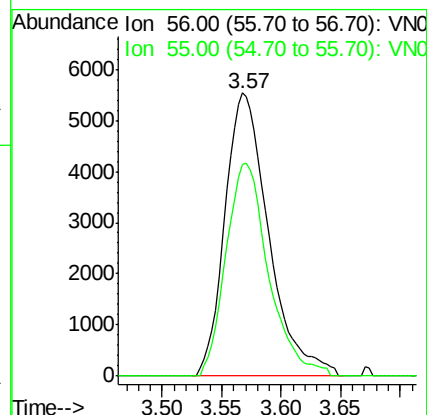
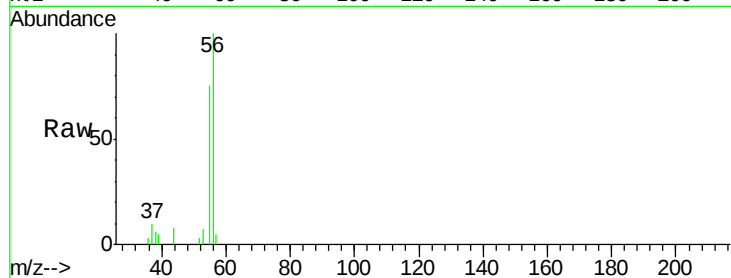
55 73.2 58.4 87.6

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#14

Allyl chloride

Concen: 47.084 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

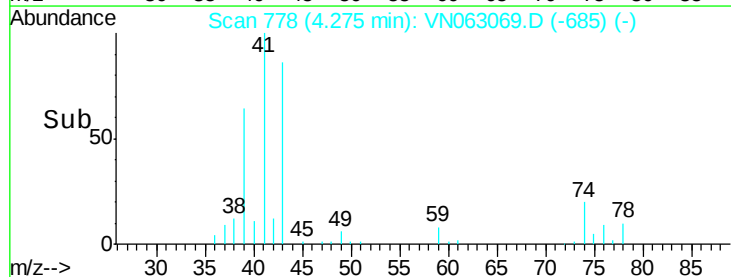
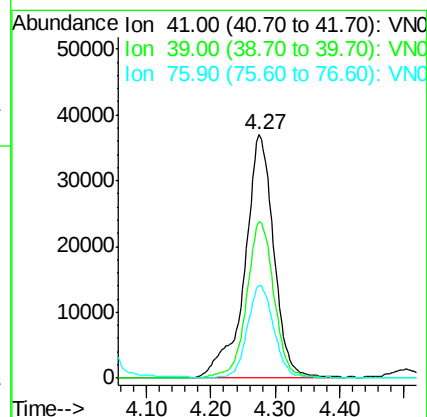
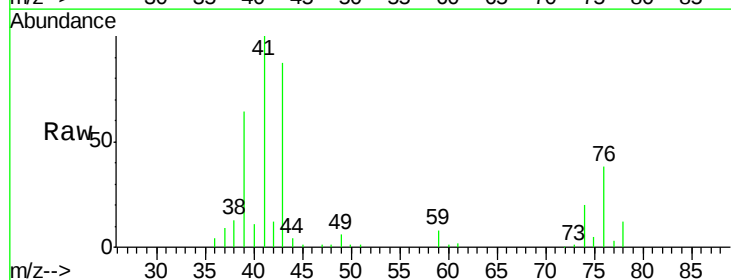
Tgt Ion: 41 Resp: 116575

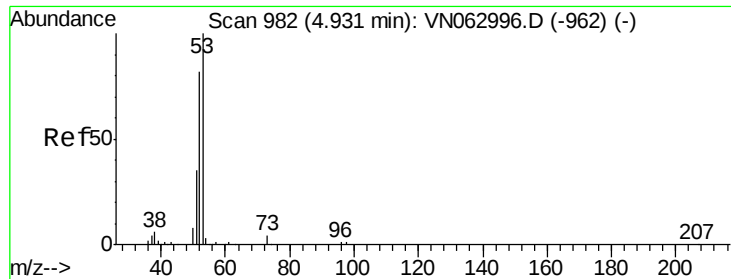
Ion Ratio Lower Upper

41 100

39 60.3 47.9 71.9

76 34.6 27.0 40.6





#15

Acrylonitrile

Concen: 257.831 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

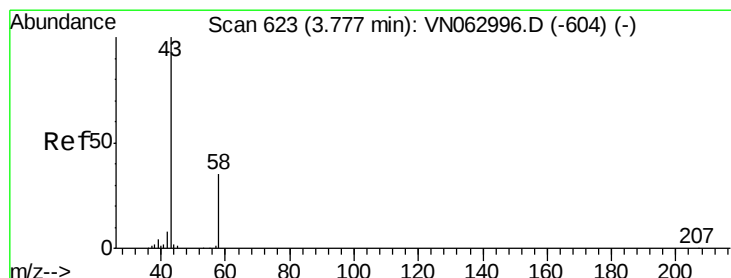
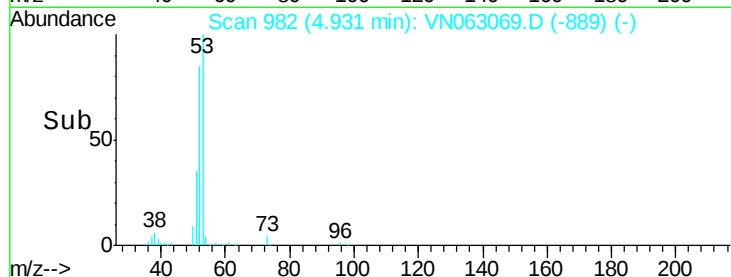
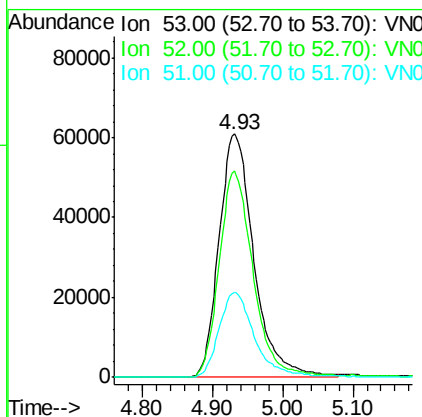
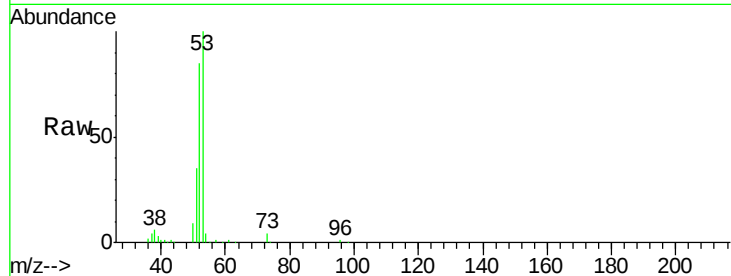
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 210459 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.7  | 65.6  | 98.4   |
| 51        | 35.7  | 28.2  | 42.4   |

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#16

Acetone

Concen: 253.020 ug/l

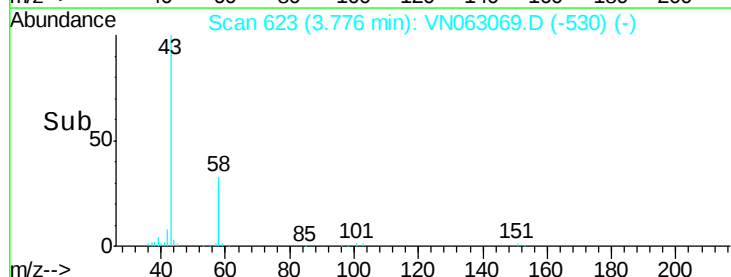
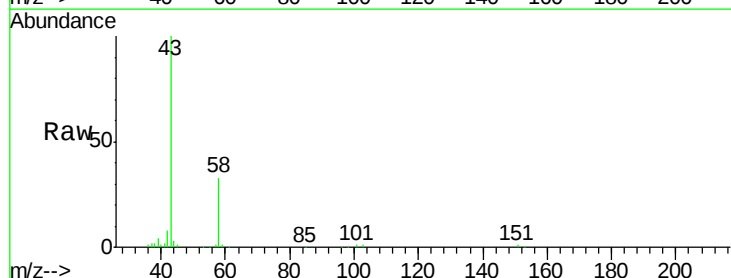
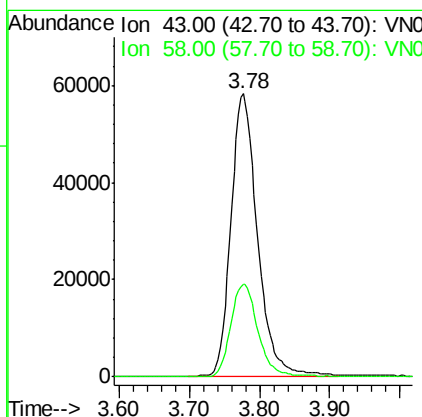
RT: 3.78 min Scan# 623

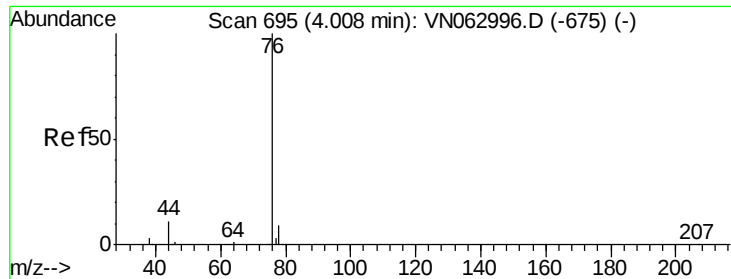
Delta R.T. 0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 154669 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.8  | 27.8  | 41.6   |





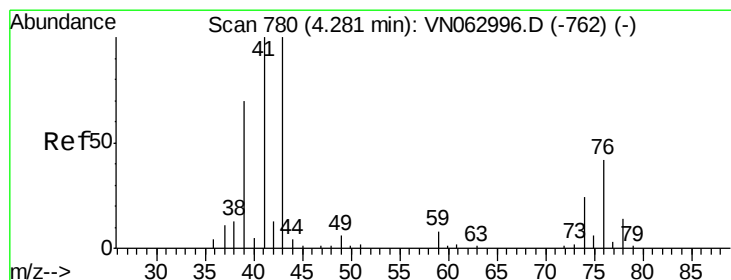
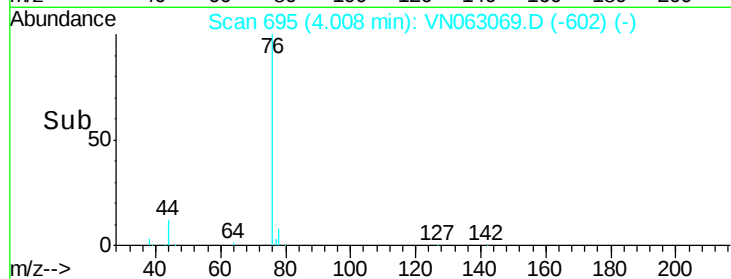
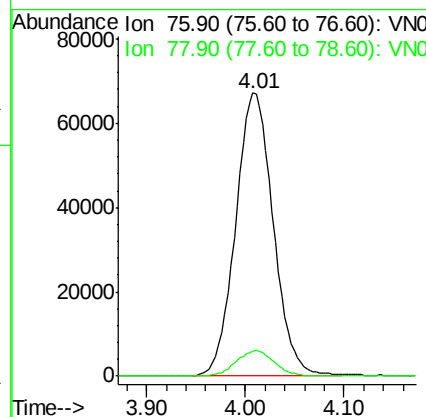
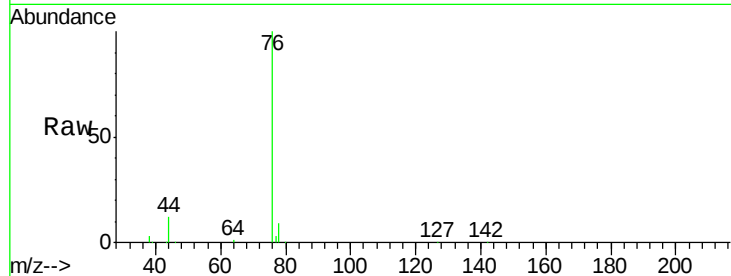
#17  
Carbon Disulfide  
Concen: 48.415 ug/l  
RT: 4.01 min Scan# 695  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 6.9   | 10.3  |

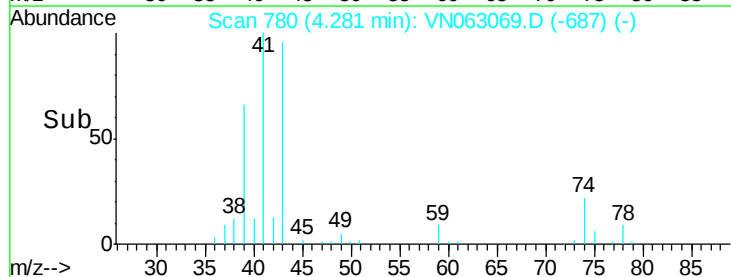
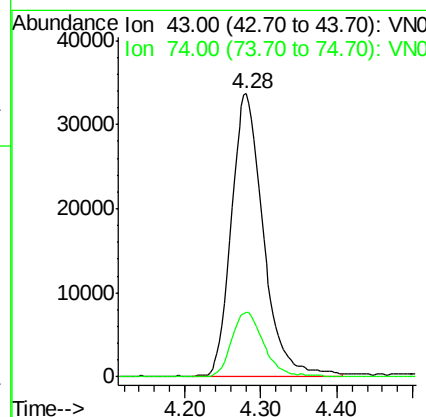
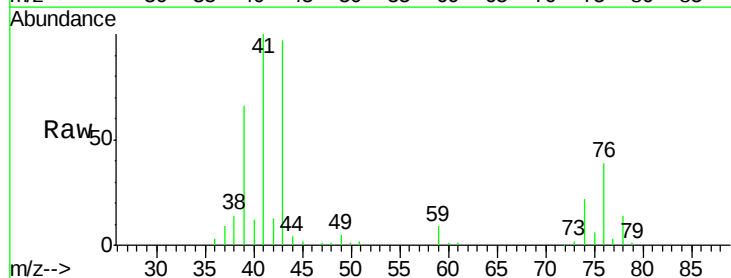
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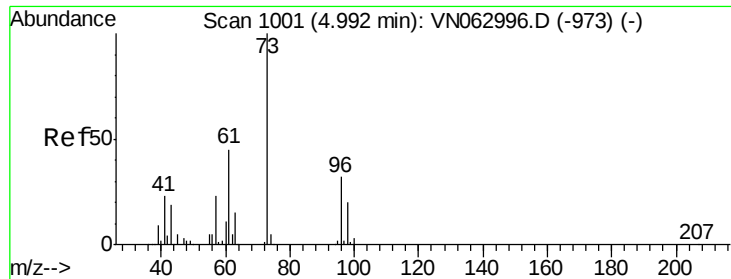
MMDadoda  
8/21/2020 9:20:26 AM



#18  
Methyl Acetate  
Concen: 50.765 ug/l  
RT: 4.28 min Scan# 780  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.6  | 18.6  | 28.0  |





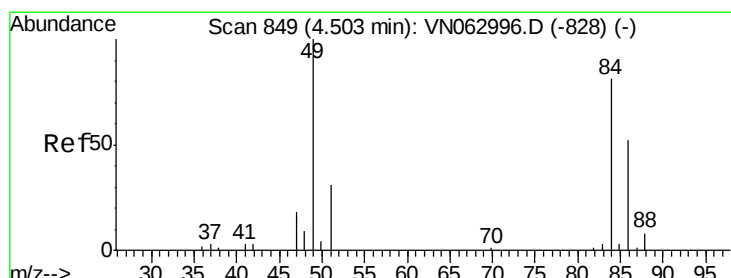
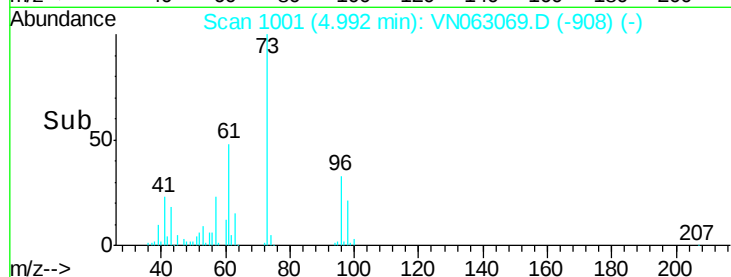
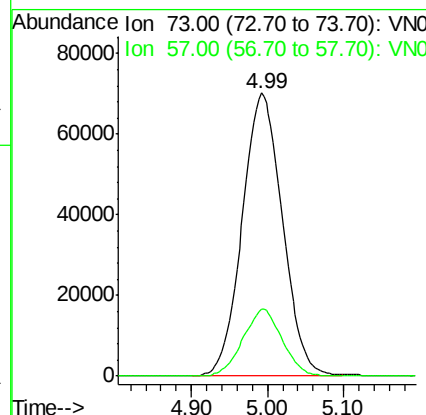
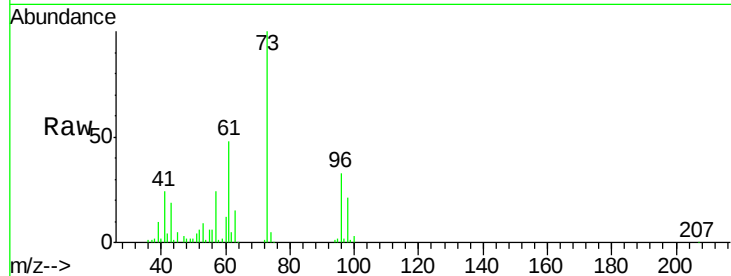
#19  
Methvl tert-butvl Ether  
Concen: 52.716 ug/l  
RT: 4.99 min Scan# 1001  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 258160  
Ion Ratio Lower Upper  
73 100  
57 23.5 18.1 27.1

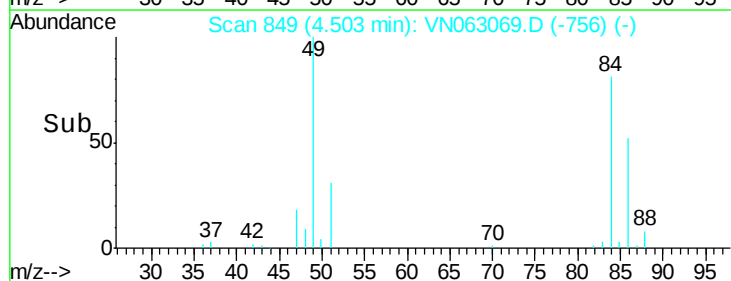
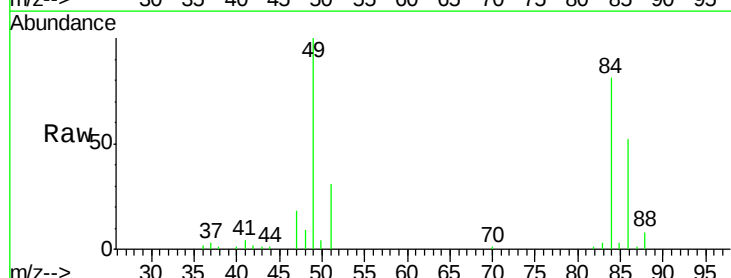
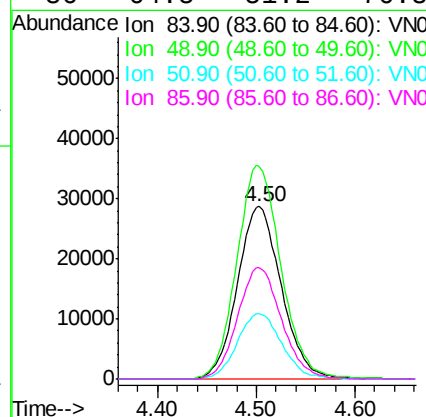
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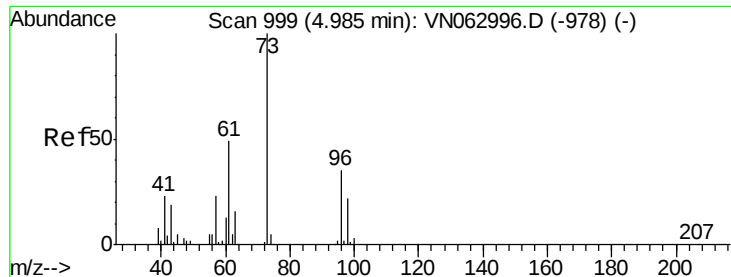
MMDadoda  
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#20  
Methylene Chloride  
Concen: 51.232 ug/l  
RT: 4.50 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Tgt Ion: 84 Resp: 88504  
Ion Ratio Lower Upper  
84 100  
49 123.1 98.7 148.1  
51 37.7 30.8 46.2  
86 64.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.546 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

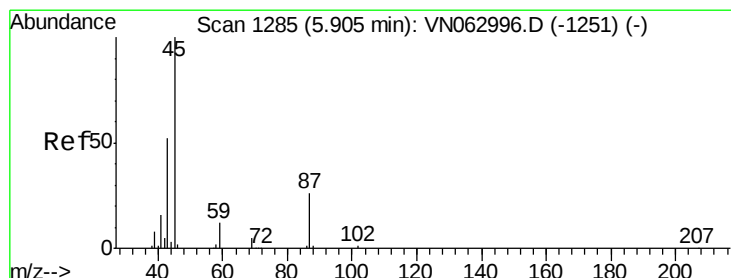
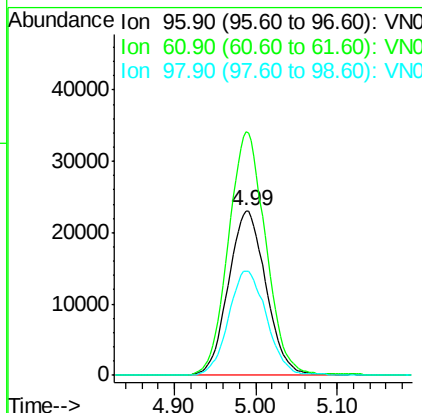
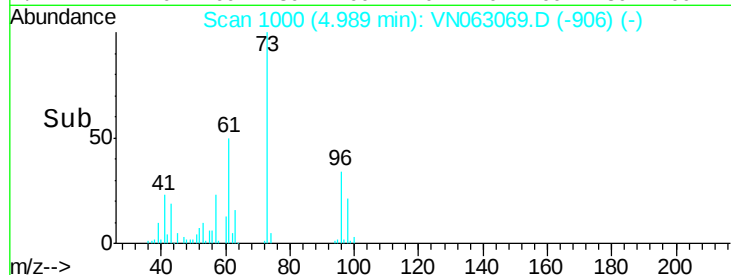
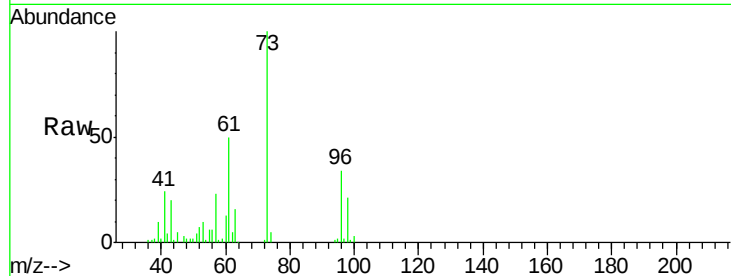
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 74280 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 148.0 | 112.5 | 168.7 |
| 98       | 63.7  | 49.4  | 74.0  |

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8/21/2020 9:20:26 AM



#22

Diisopropyl ether

Concen: 54.209 ug/l

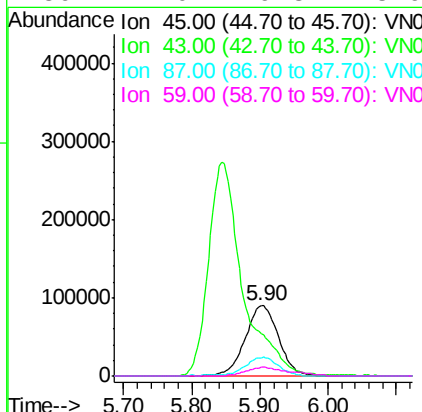
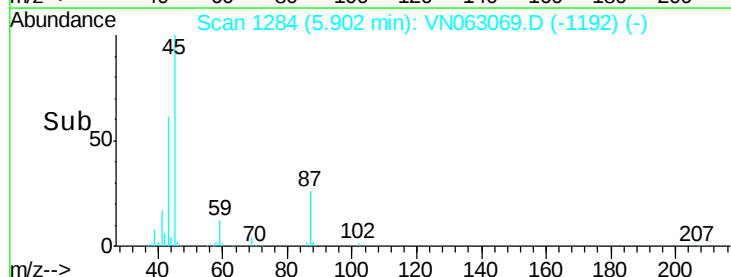
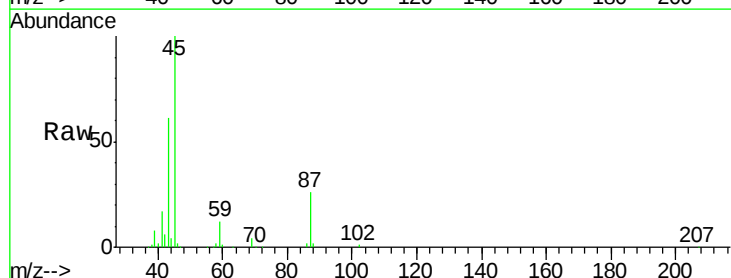
RT: 5.90 min Scan# 1284

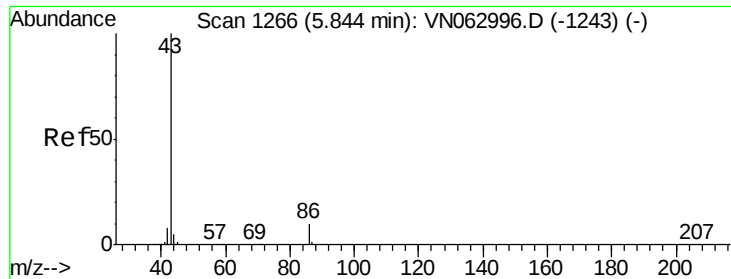
Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 304571 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 59.7  | 45.7  | 68.5   |
| 87       | 26.3  | 21.8  | 32.6   |
| 59       | 12.0  | 9.3   | 13.9   |





#23

Vinyl Acetate

Concen: 251.259 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 952631

Ion Ratio Lower Upper

43 100

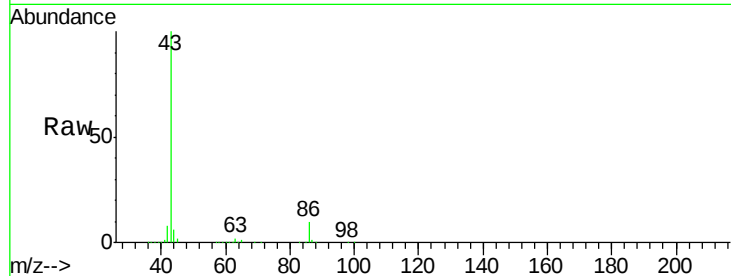
86 9.8 8.0 12.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN063069.D (-1173) (-)

Ion 86.00 (85.70 to 86.70): VN063069.D (-1173) (-)

5.84

300000

250000

200000

150000

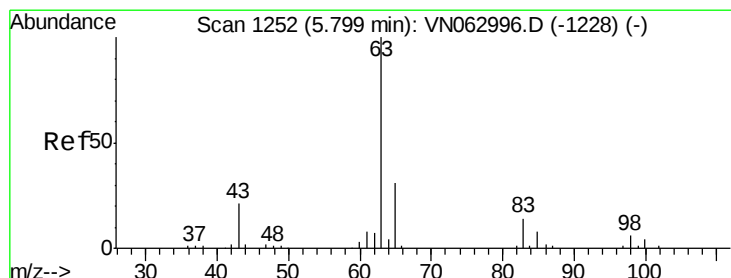
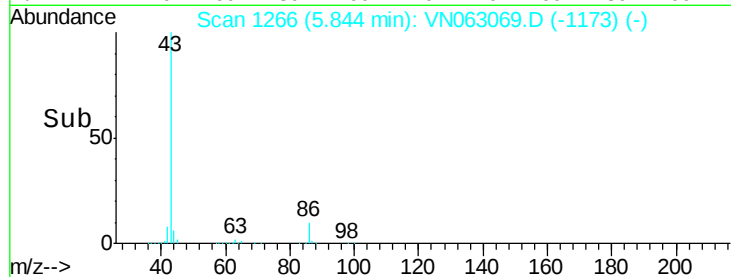
100000

50000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.172 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

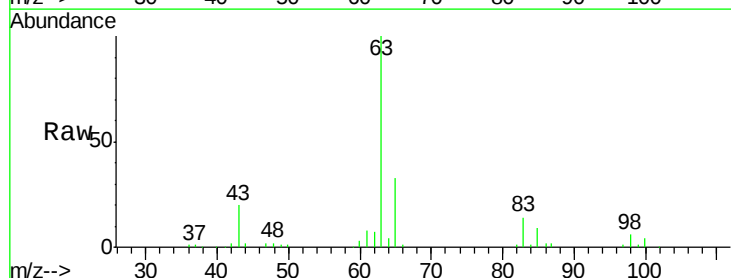
Tgt Ion: 63 Resp: 160662

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN063069.D (-1159) (-)

Ion 97.90 (97.60 to 98.60): VN063069.D (-1159) (-)

Ion 99.90 (99.60 to 100.60): VN063069.D (-1159) (-)

60000

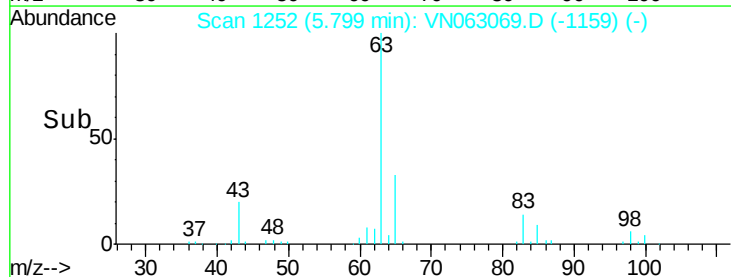
40000

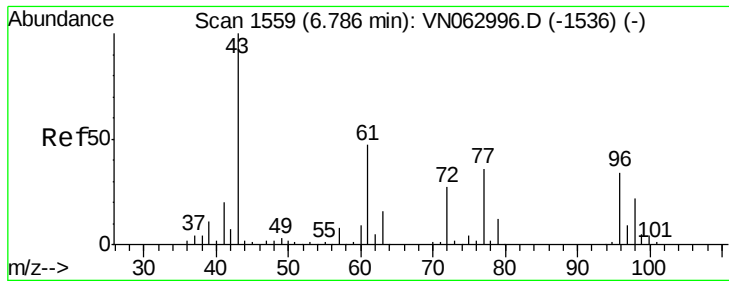
20000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 239.761 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 249571

Ion Ratio Lower Upper

43 100

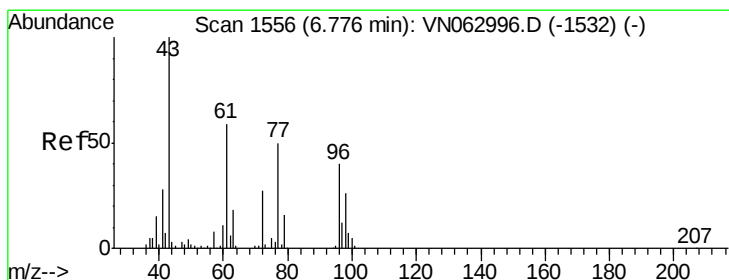
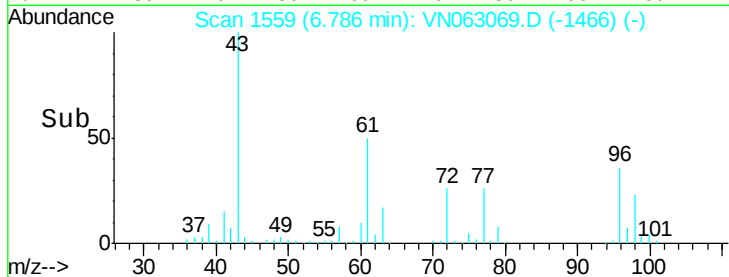
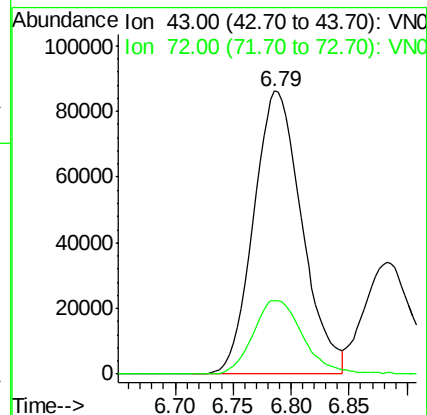
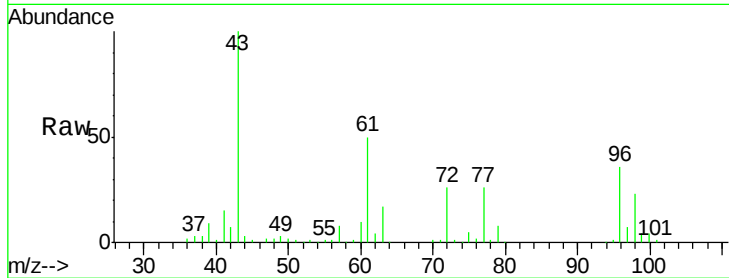
72 26.1 21.8 32.6

Manual Integrations

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8/21/2020 9:20:26 AM



#26

2,2-Dichloropropane

Concen: 32.903 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN063069.D

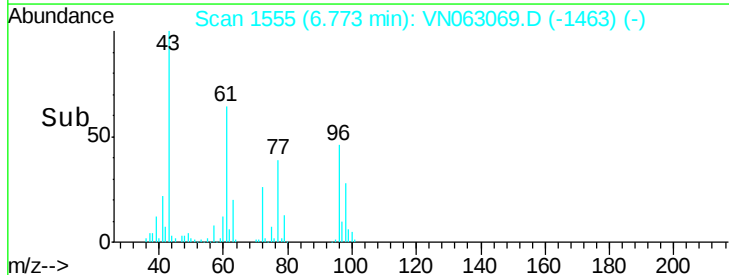
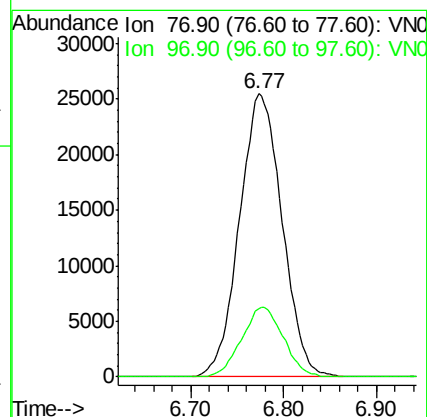
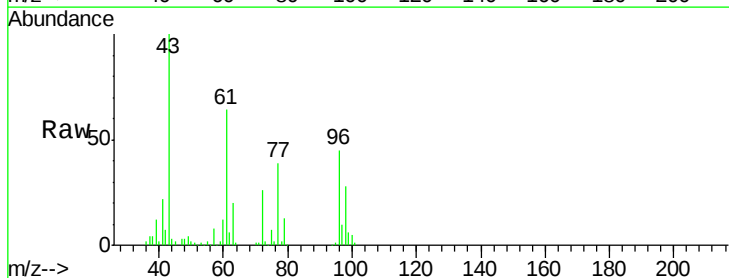
Acq: 21 Aug 2020 5:42

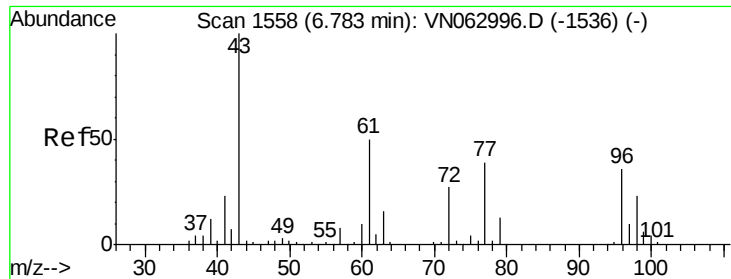
Tgt Ion: 77 Resp: 81242

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.1





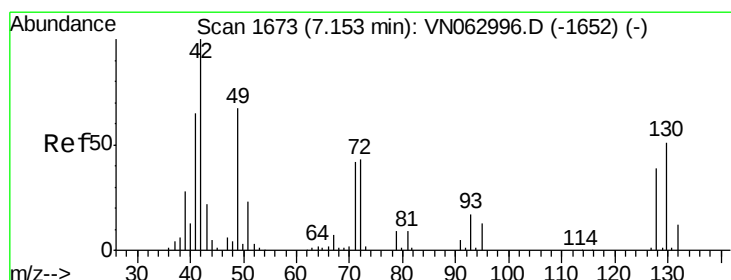
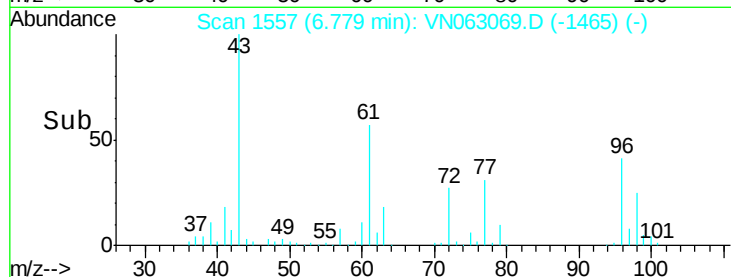
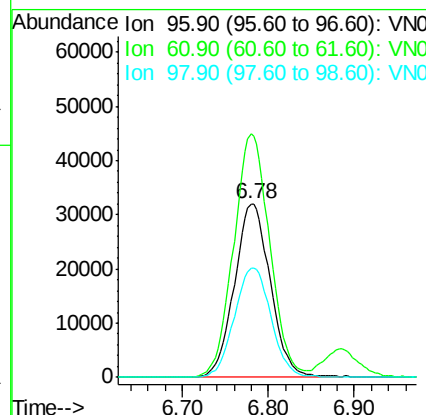
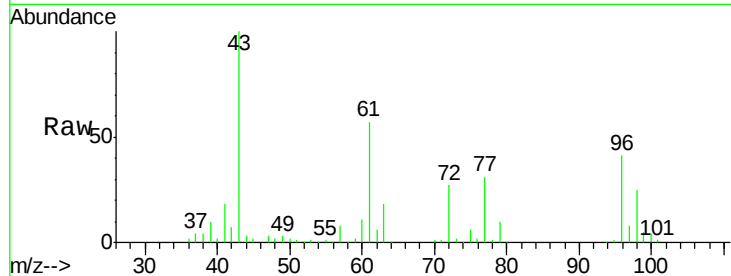
#27  
 cis-1,2-Dichloroethene  
 Concen: 50.451 ug/l  
 RT: 6.78 min Scan# 1557  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 141.2 | 0.0  | 292.8 |       |
| 98      | 64.3  | 0.0  | 130.6 |       |

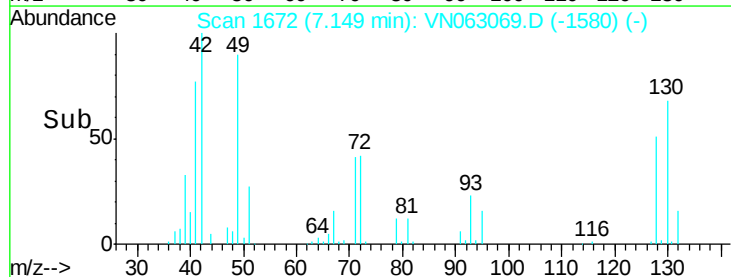
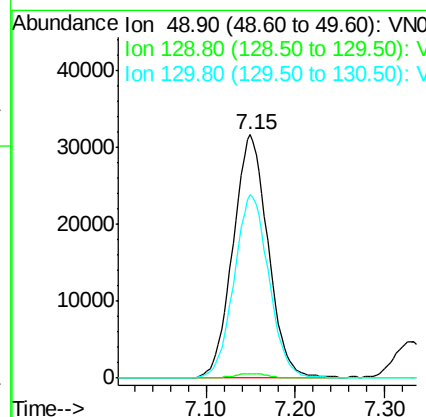
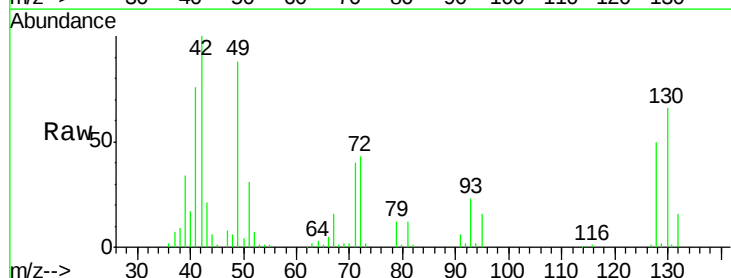
Manual Integrations  
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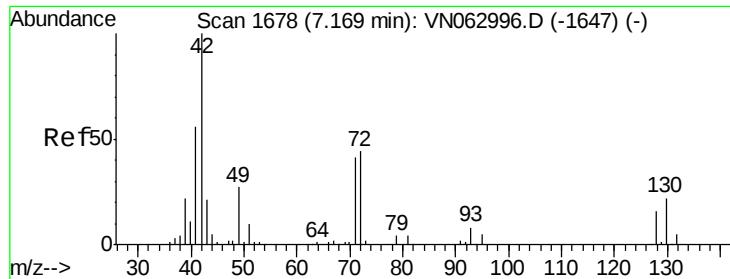
MMDadoda  
 8/21/2020 9:20:26 AM



#28  
 Bromochloromethane  
 Concen: 52.529 ug/l  
 RT: 7.15 min Scan# 1672  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.7   | 0.0  | 3.6   |       |
| 130     | 74.9  | 61.1 | 91.7  |       |





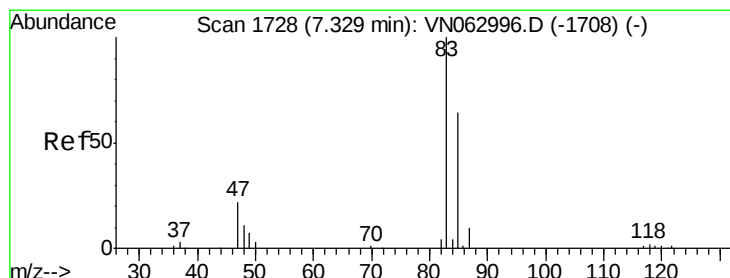
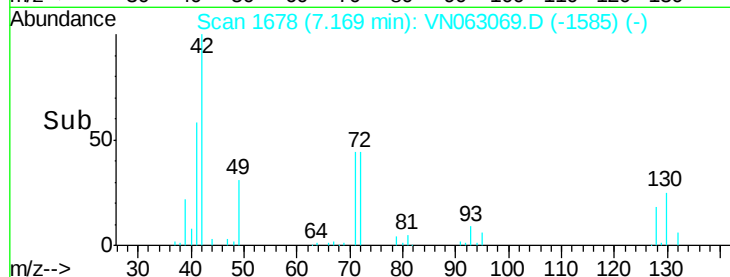
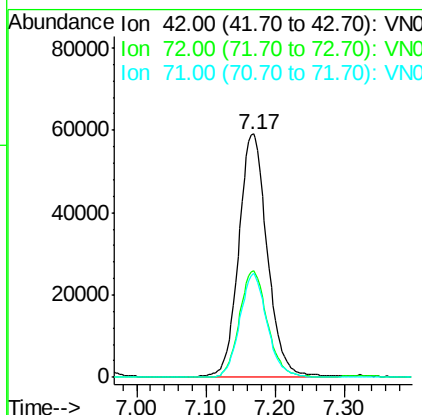
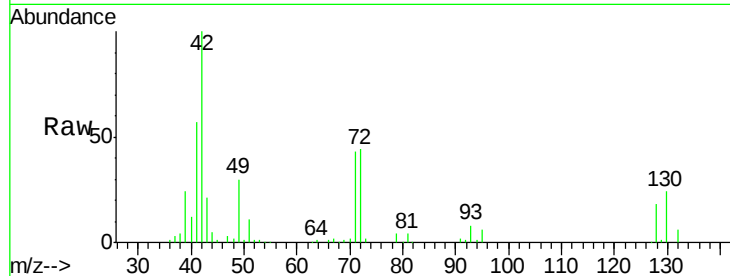
#29  
Tetrahydrofuran  
Concen: 253.177 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.7  | 34.6  | 52.0  |
| 71      | 40.6  | 32.3  | 48.5  |

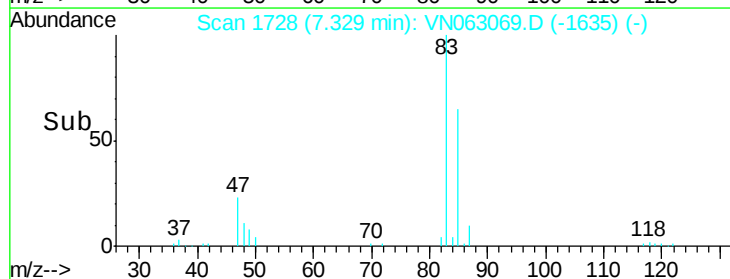
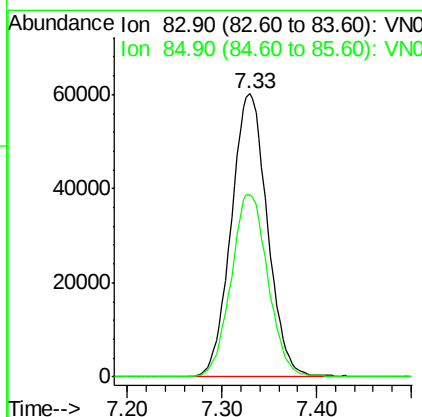
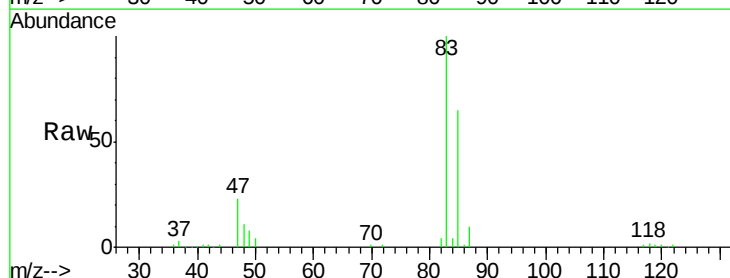
Manual Integrations  
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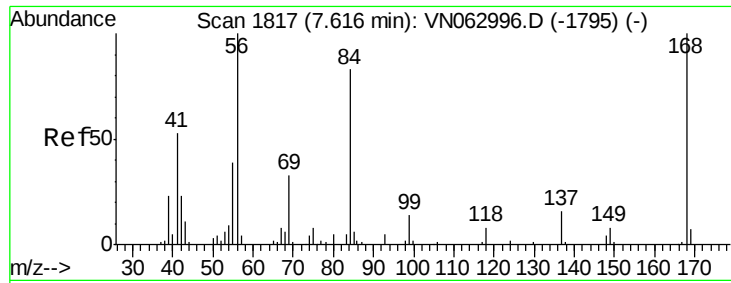
MMDadoda  
8/21/2020 9:20:26 AM



#30  
Chloroform  
Concen: 50.578 ug/l  
RT: 7.33 min Scan# 1728  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 51.5  | 77.3  |





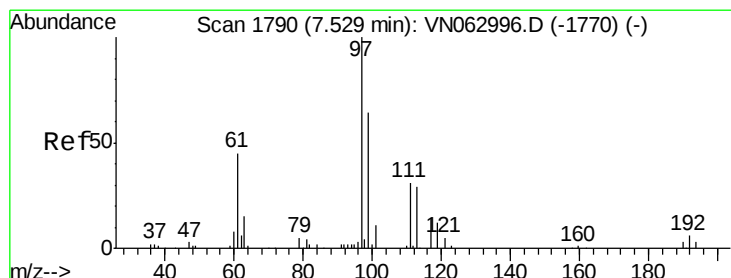
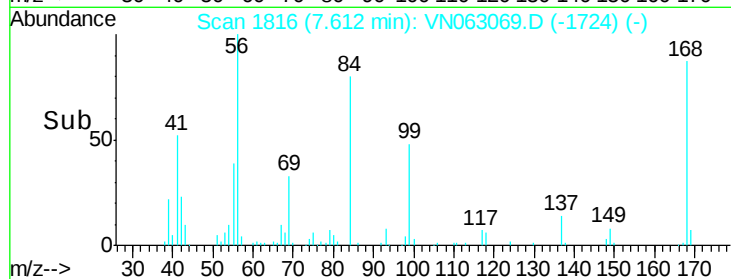
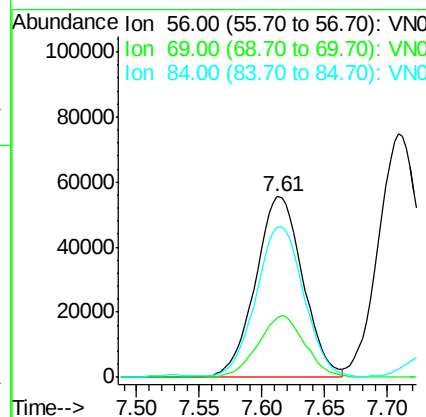
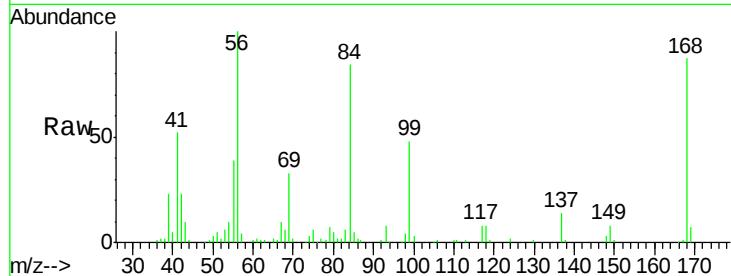
#31  
Cyclohexane  
Concen: 50.558 ug/l  
RT: 7.61 min Scan# 1816  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 56      | 100  |       |       |       |
| 69      | 32.9 | 26.6  | 40.0  |       |
| 84      | 82.5 | 66.4  | 99.6  |       |

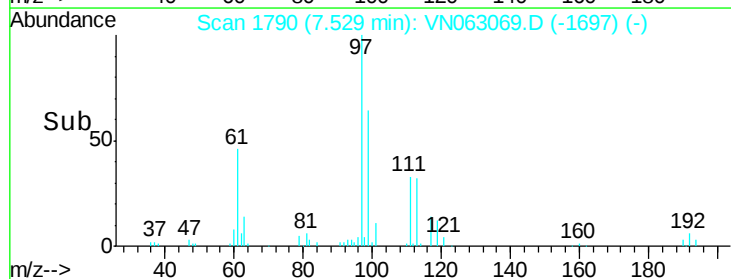
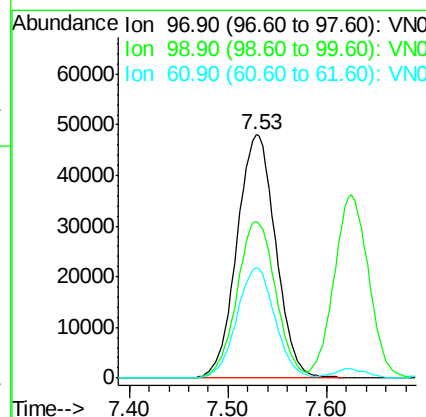
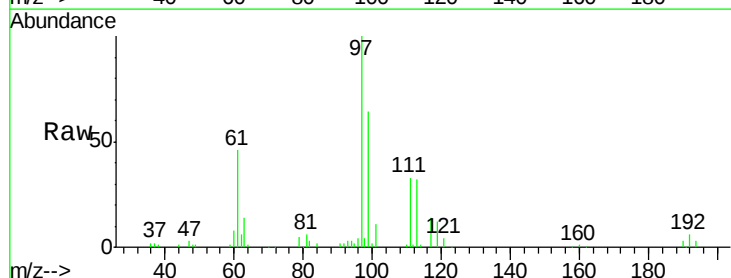
Manual Integrations  
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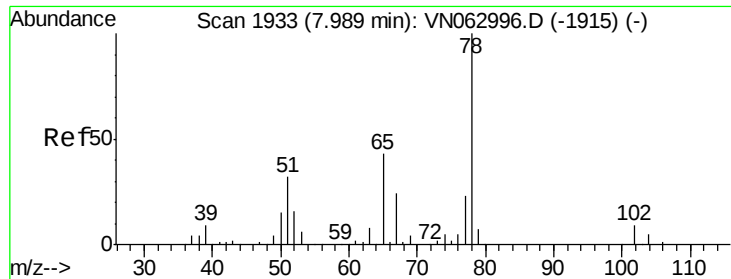
MMDadoda  
8/21/2020 9:20:26 AM



#32  
1,1,1-Trichloroethane  
Concen: 50.696 ug/l  
RT: 7.53 min Scan# 1790  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 97      | 100  |       |       |       |
| 99      | 64.2 | 52.0  | 78.0  |       |
| 61      | 44.8 | 36.2  | 54.4  |       |





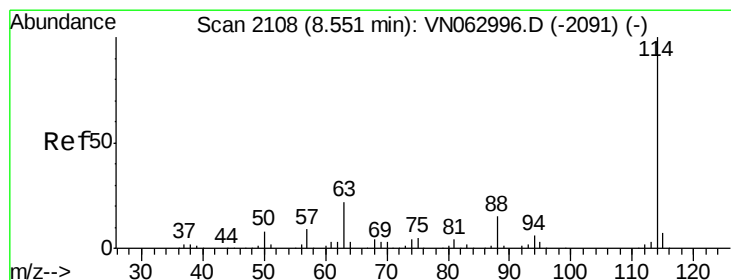
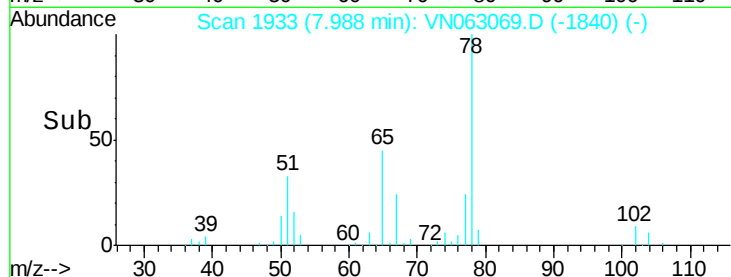
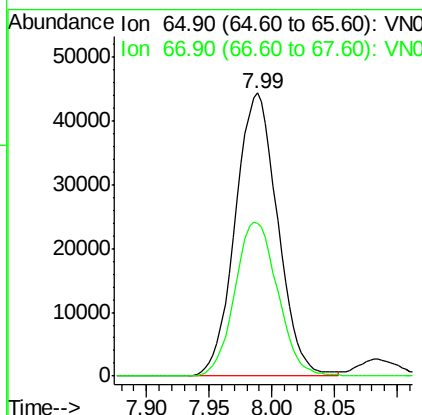
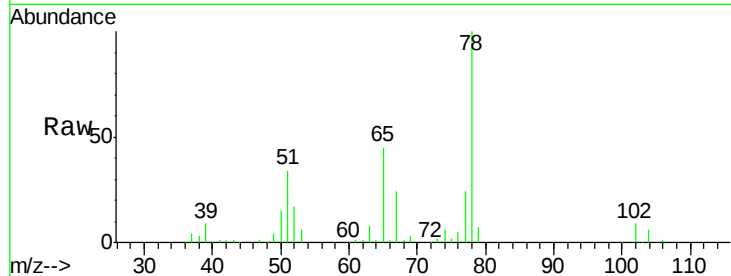
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.215 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 104337 |       |       |
| 67      | 54.9  | 0.0    | 112.0 |       |

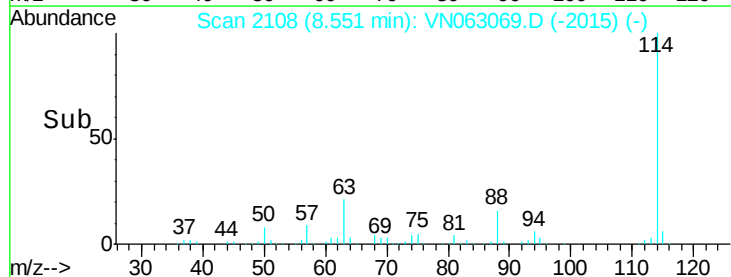
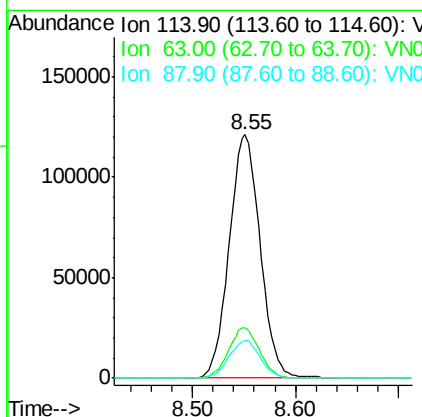
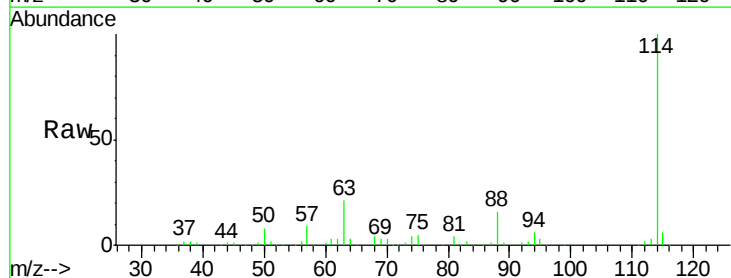
Manual Integrations  
 APPROVED

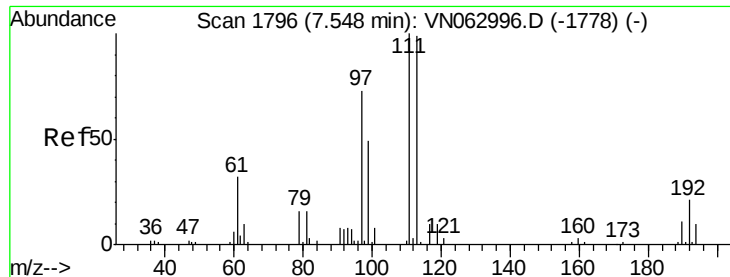
MMDadoda  
 8/21/2020 9:20:26 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 253567 |       |       |
| 63      | 20.6  | 0.0    | 43.2  |       |
| 88      | 15.7  | 0.0    | 30.6  |       |





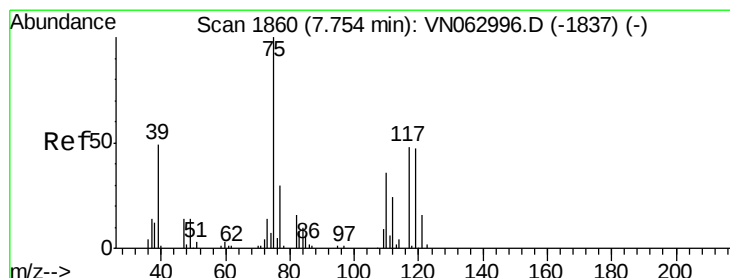
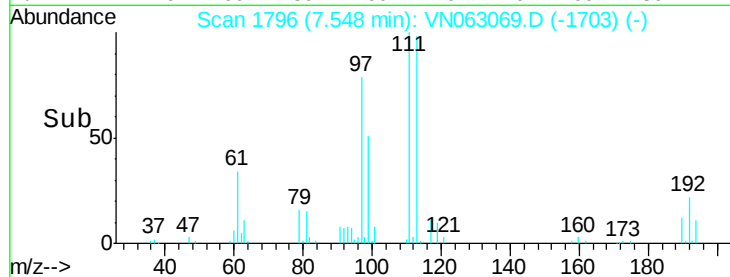
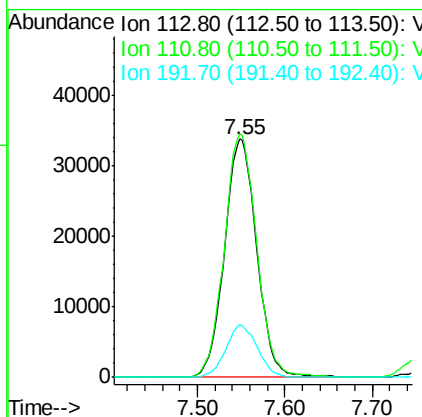
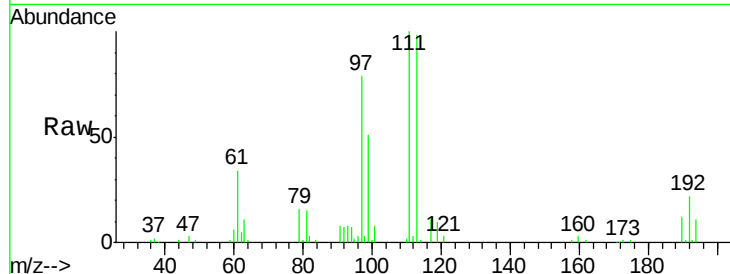
#35  
 Dibromofluoromethane  
 Concen: 52.270 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 86363 |       |       |
| 111     | 103.1 | 81.7  | 122.5 |       |
| 192     | 21.5  | 17.5  | 26.3  |       |

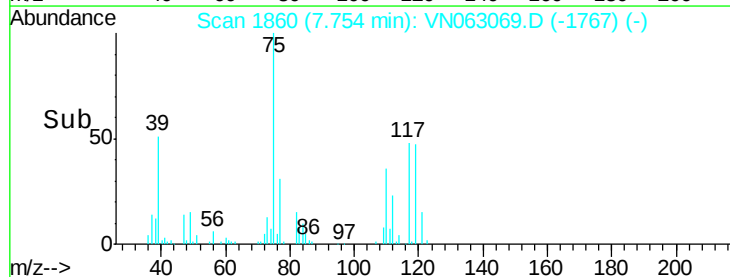
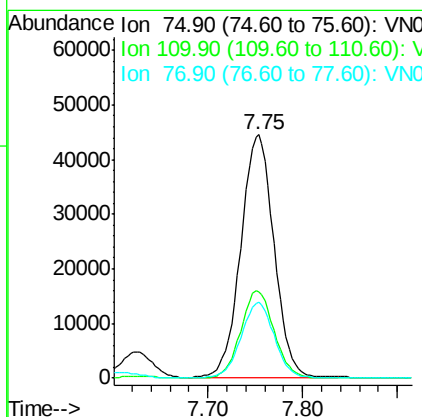
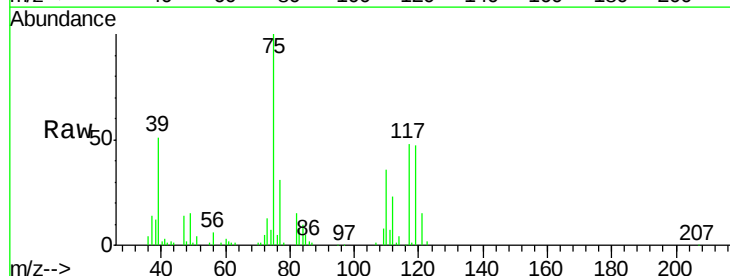
Manual Integrations  
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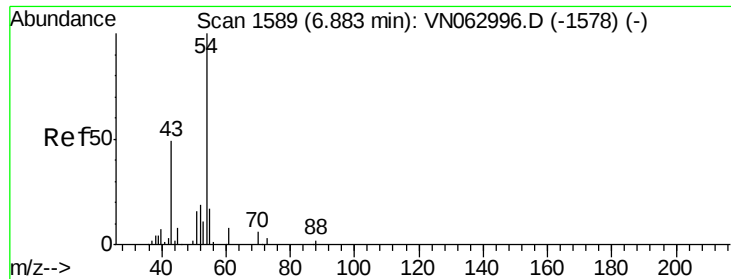
MMDadoda  
 8/21/2020 9:20:26 AM



#36  
 1,1-Dichloropropene  
 Concen: 48.848 ug/l  
 RT: 7.75 min Scan# 1860  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 109155 |       |       |
| 110     | 35.7  | 17.5   | 52.6  |       |
| 77      | 31.1  | 24.2   | 36.4  |       |





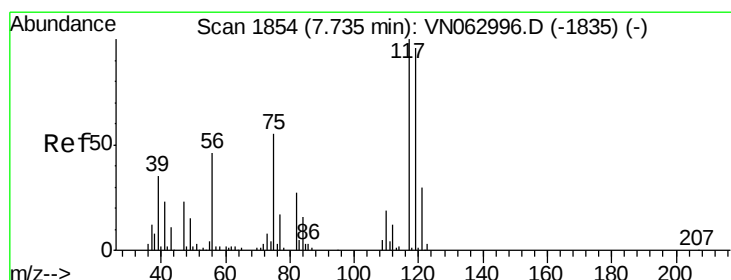
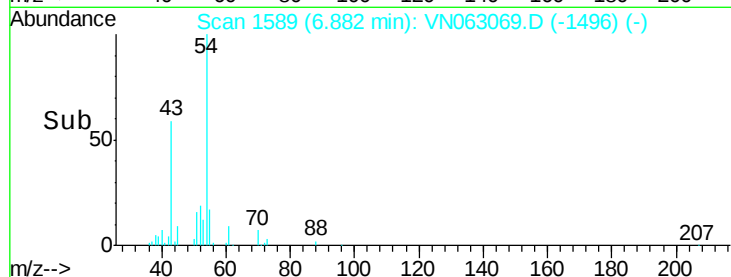
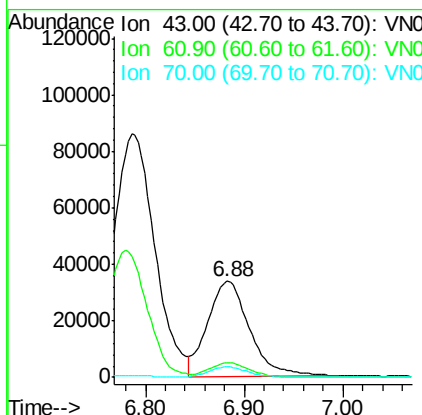
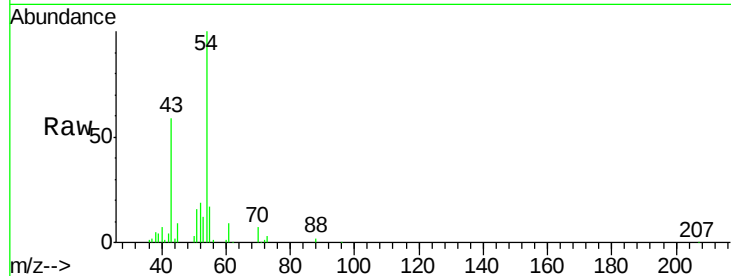
#37  
Ethyl Acetate  
Concen: 47.854 ug/l  
RT: 6.88 min Scan# 1589  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43    | Resp  | 100197 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 14.2  | 11.8  | 17.8   |
| 70        | 10.4  | 8.2   | 12.2   |

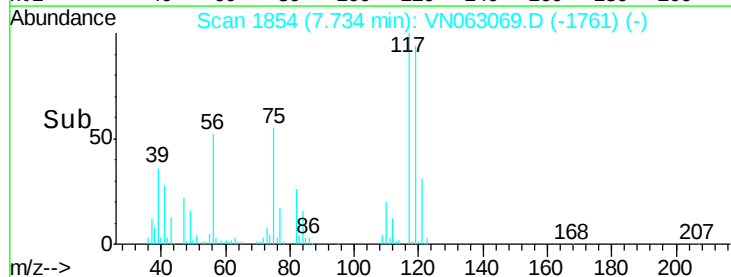
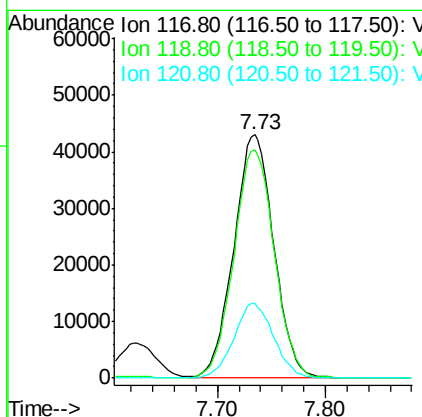
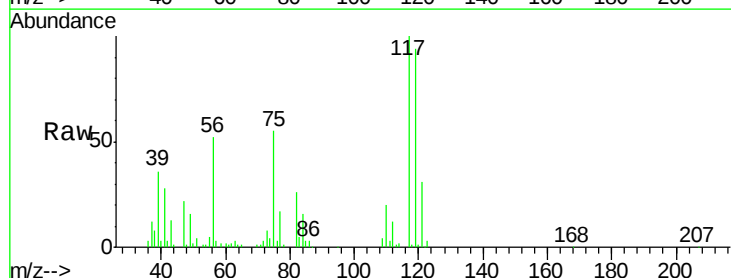
Manual Integrations  
APPROVED

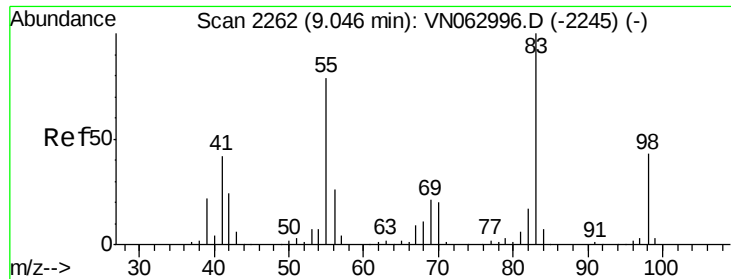
MMDadoda  
8/21/2020 9:20:26 AM



#38  
Carbon Tetrachloride  
Concen: 49.221 ug/l  
RT: 7.73 min Scan# 1854  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion   | 117   | Resp  | 111040 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 93.5  | 76.2  | 114.4  |
| 121       | 30.5  | 24.2  | 36.2   |





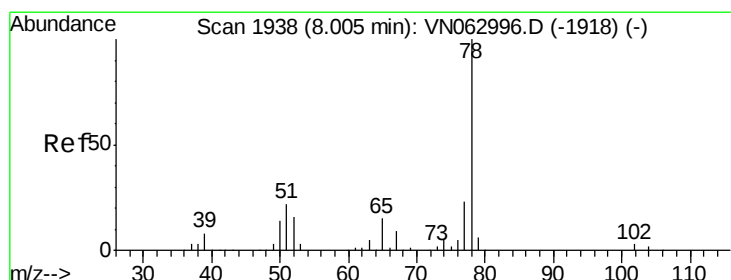
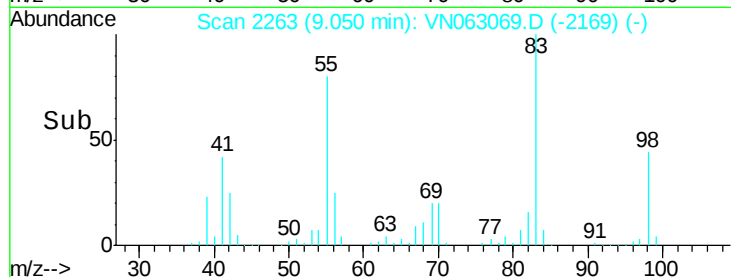
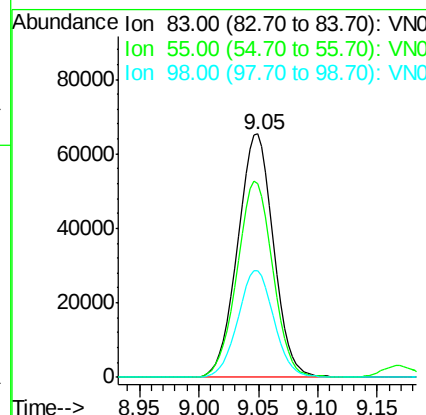
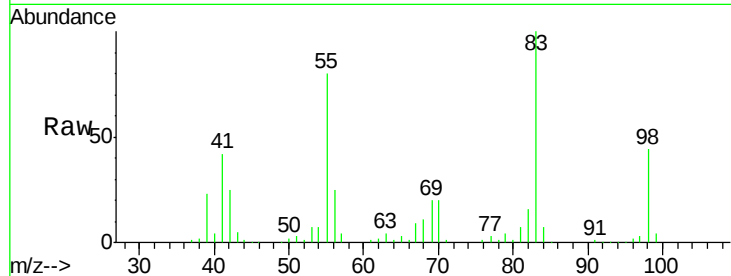
#39  
Methvlcvclohexane  
Concen: 45.347 ug/l  
RT: 9.05 min Scan# 2263  
Delta R.T. 0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 79.5  | 63.3 | 94.9  |       |
| 98      | 43.8  | 34.2 | 51.4  |       |

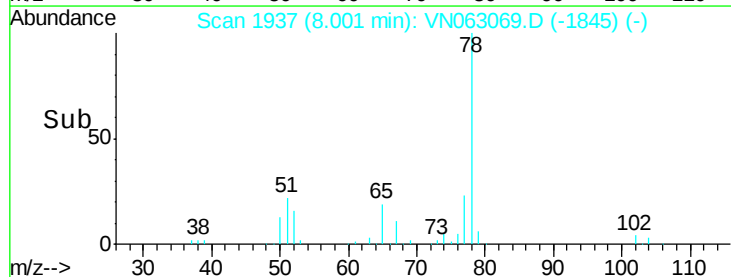
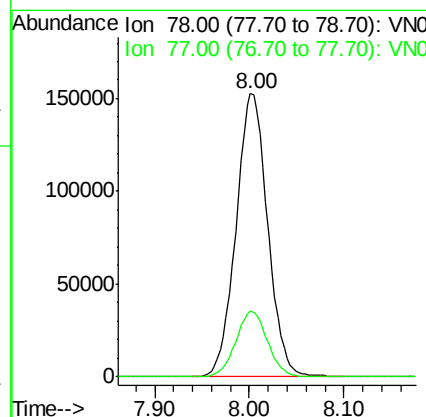
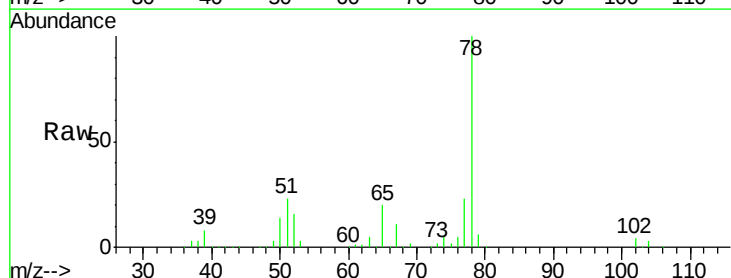
Manual Integrations  
APPROVED

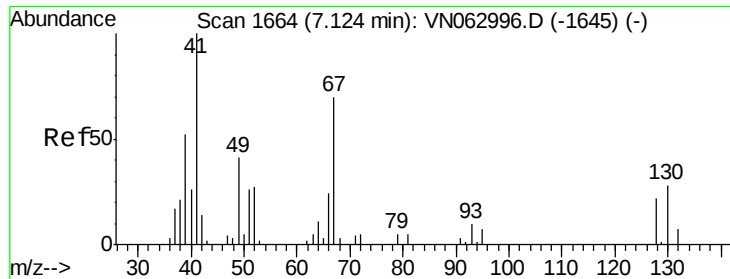
MMDadoda  
8/21/2020 9:20:26 AM



#40  
Benzene  
Concen: 50.082 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.1  | 18.8 | 28.2  |       |





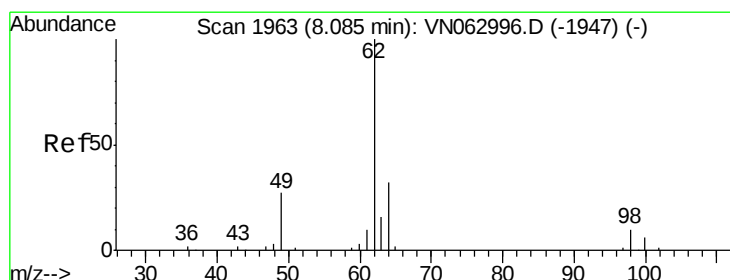
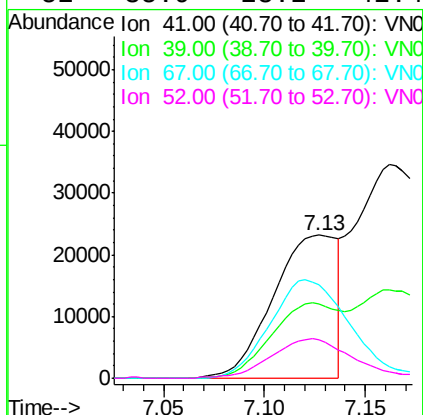
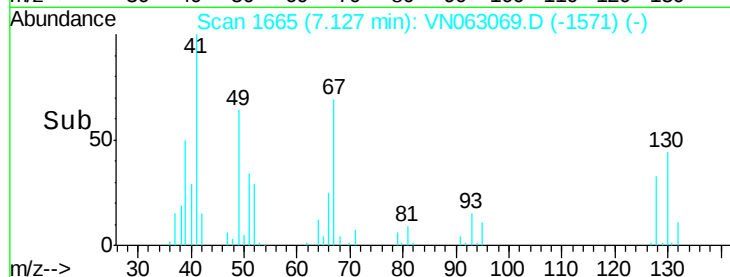
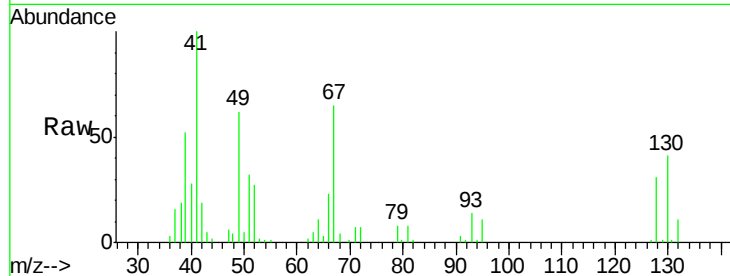
#41  
Methacrylonitrile  
Concen: 51.145 ug/l  
RT: 7.13 min Scan# 1665  
Delta R.T. 0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 56.9 | 41.6  | 62.4  |       |
| 67      | 86.9 | 71.8  | 107.8 |       |
| 52      | 35.9 | 28.2  | 42.4  |       |

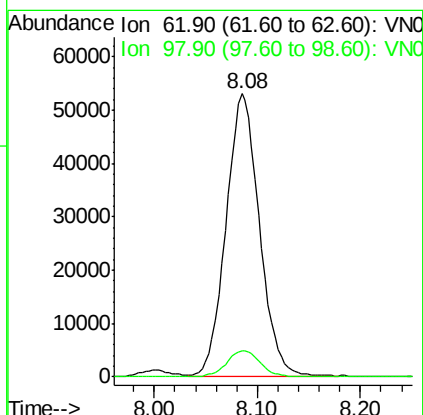
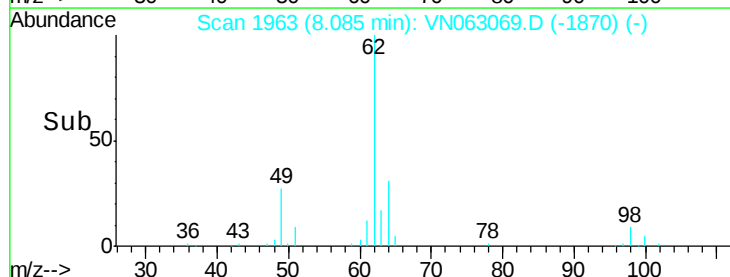
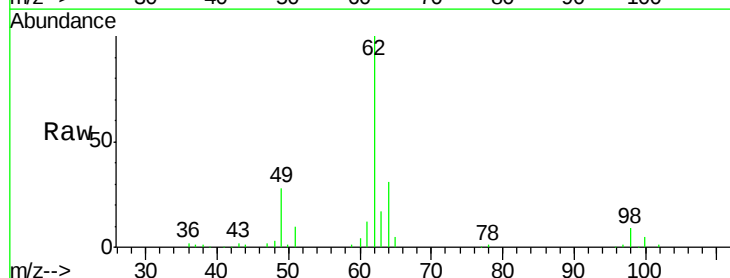
Manual Integrations  
APPROVED

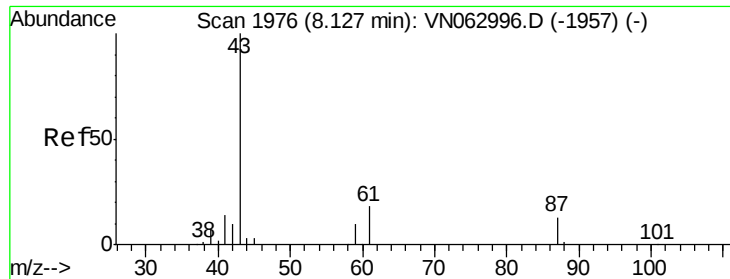
MMDadoda  
8/21/2020 9:20:26 AM



#42  
1,2-Dichloroethane  
Concen: 50.102 ug/l  
RT: 8.08 min Scan# 1963  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.4 | 0.0   | 18.4  |       |





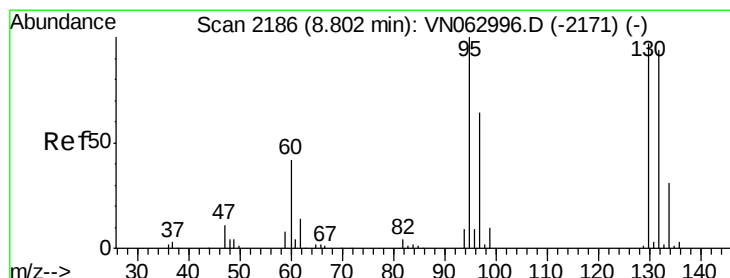
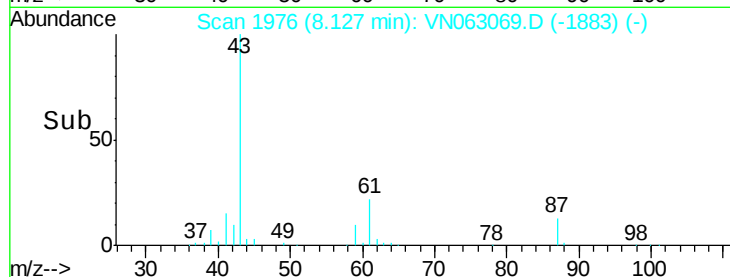
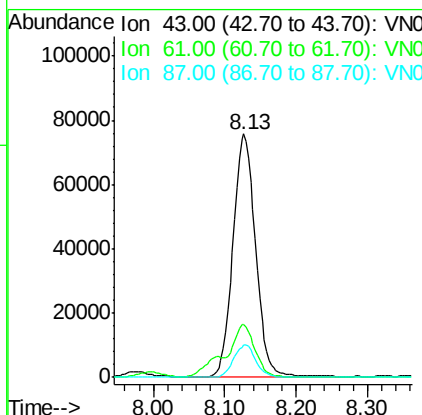
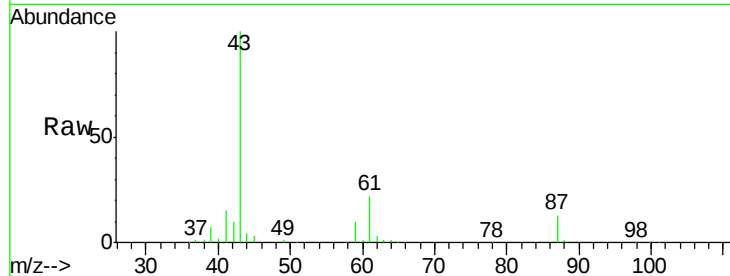
#43  
Isopropyl Acetate  
Concen: 48.763 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.8  | 22.6  | 33.8# |
| 87      | 13.0  | 10.5  | 15.7  |

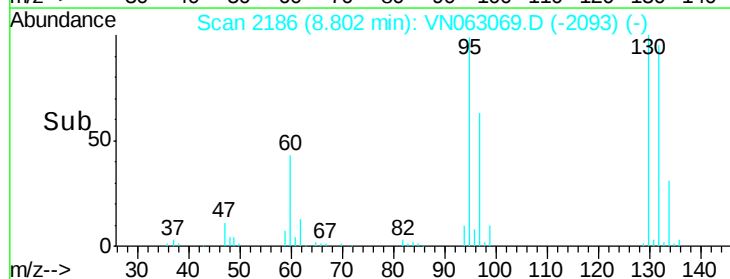
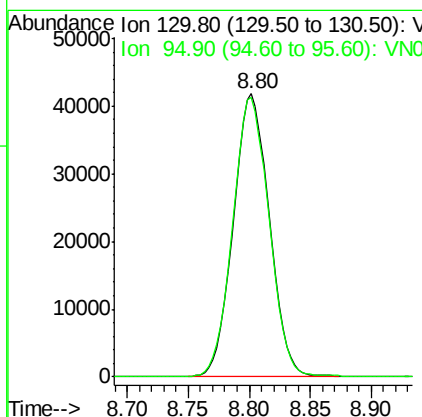
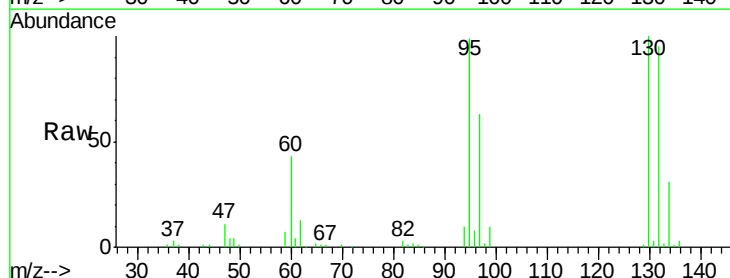
Manual Integrations  
APPROVED

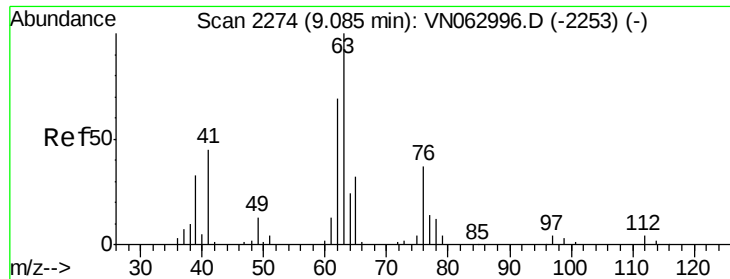
MMDadoda  
8/21/2020 9:20:26 AM



#44  
Trichloroethene  
Concen: 48.536 ug/l  
RT: 8.80 min Scan# 2186  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.9  | 0.0   | 205.6 |





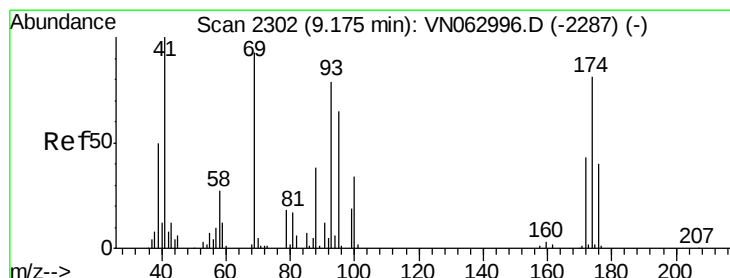
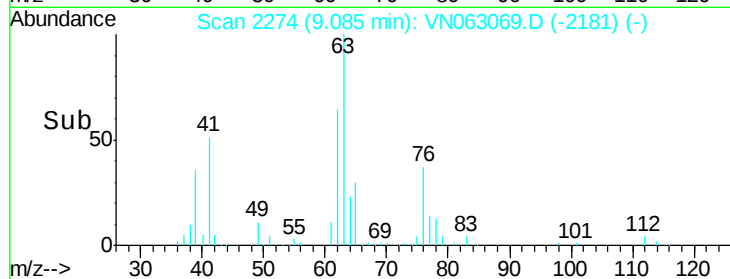
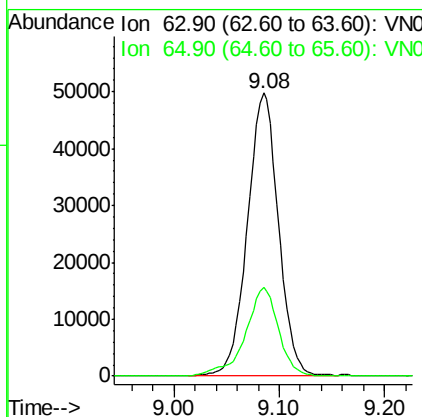
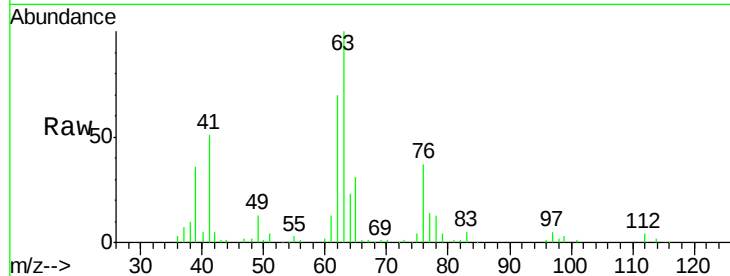
#45  
 1,2-Dichloropropane  
 Concen: 49.989 ug/l  
 RT: 9.08 min Scan# 2274  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.2  | 25.6  | 38.4  |

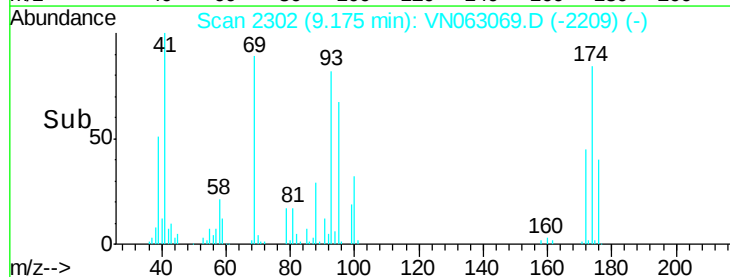
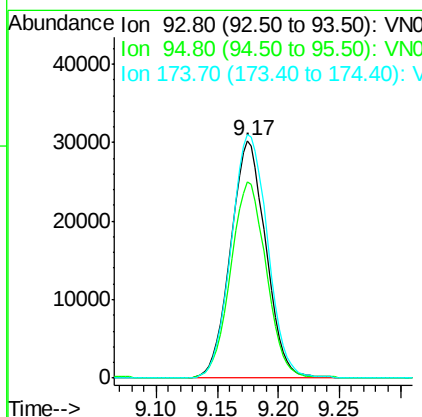
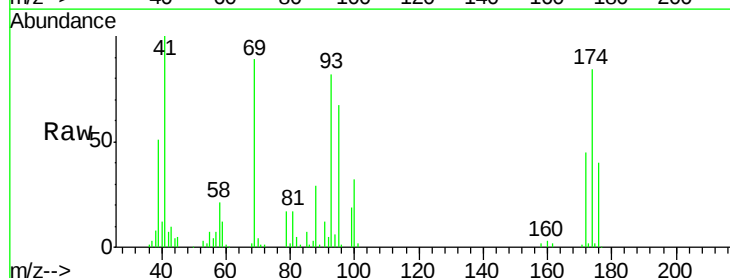
Manual Integrations  
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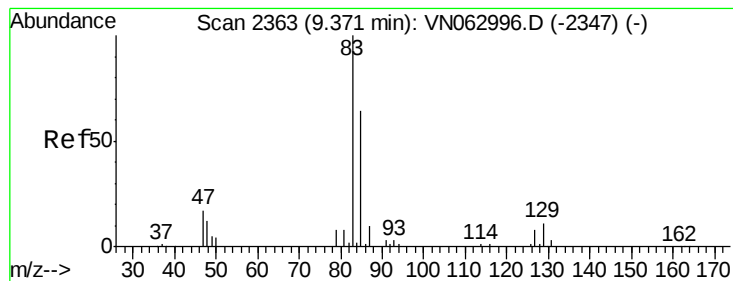
MMDadoda  
 8/21/2020 9:20:26 AM



#46  
 Dibromomethane  
 Concen: 51.418 ug/l  
 RT: 9.17 min Scan# 2302  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.4  | 66.2  | 99.4  |
| 174     | 105.6 | 84.6  | 127.0 |





#47

Bromodichloromethane

Concen: 50.647 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

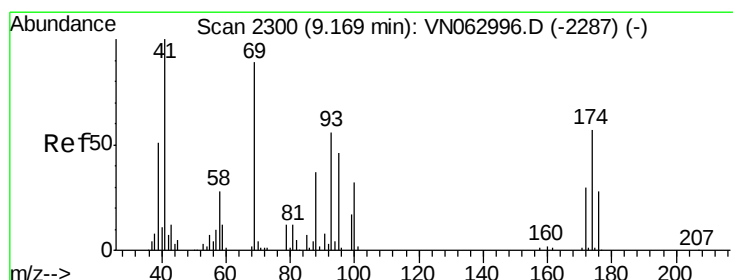
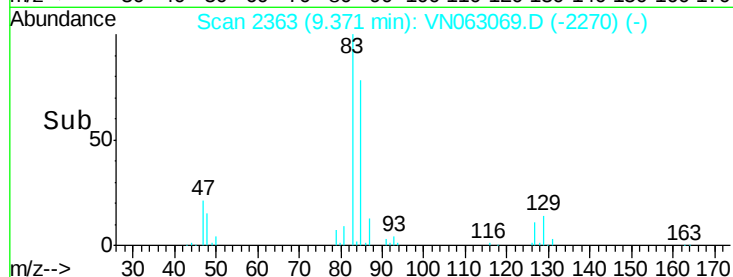
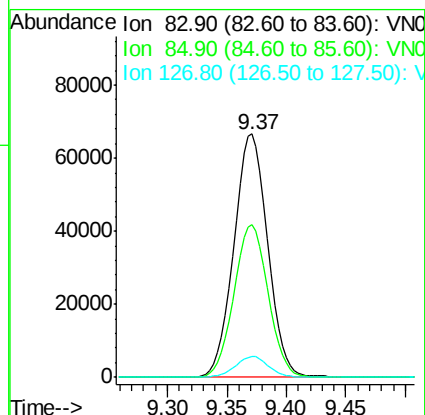
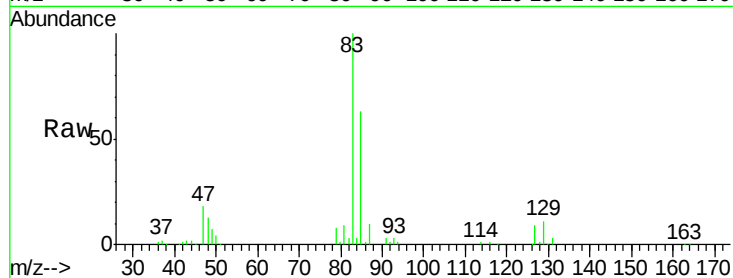
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 131283 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.6  | 51.1  | 76.7   |
| 127       | 8.5   | 6.6   | 9.8    |

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MMDadoda  
8/21/2020 9:20:26 AM



#48

Methyl methacrylate

Concen: 50.099 ug/l

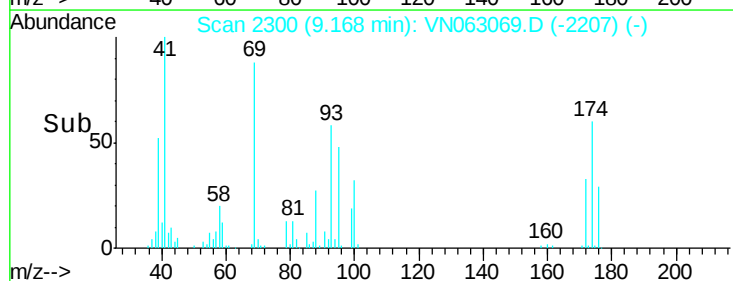
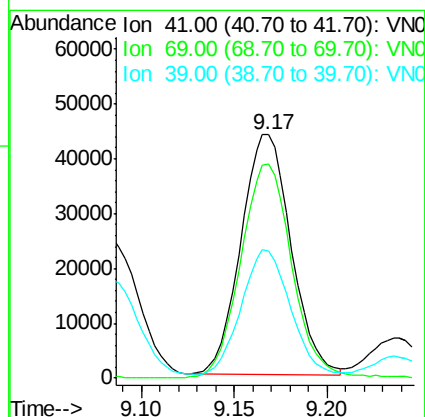
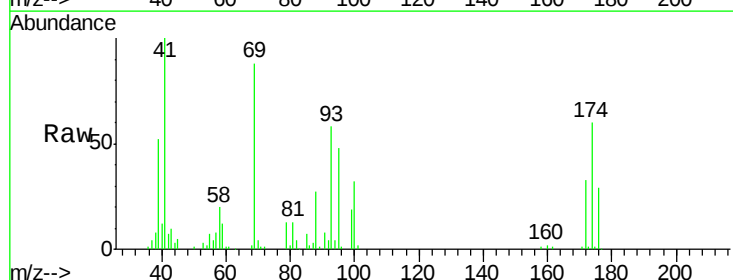
RT: 9.17 min Scan# 2300

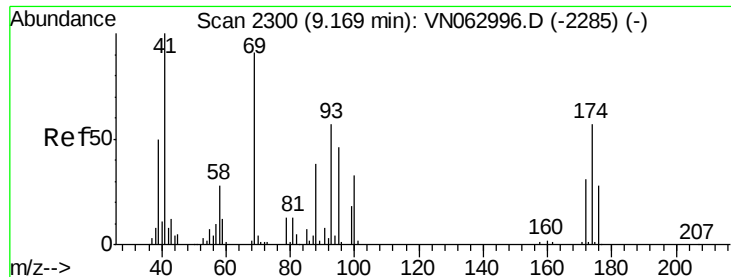
Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 82225 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 91.7  | 74.2  | 111.4 |
| 39        | 53.1  | 42.5  | 63.7  |





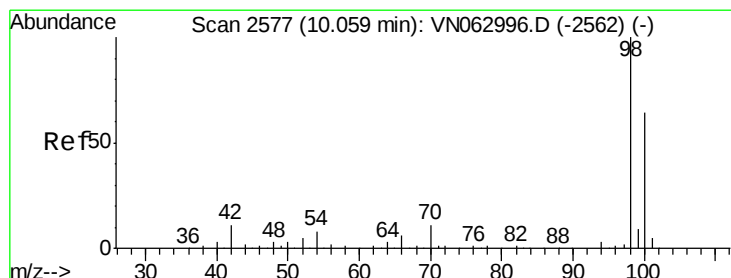
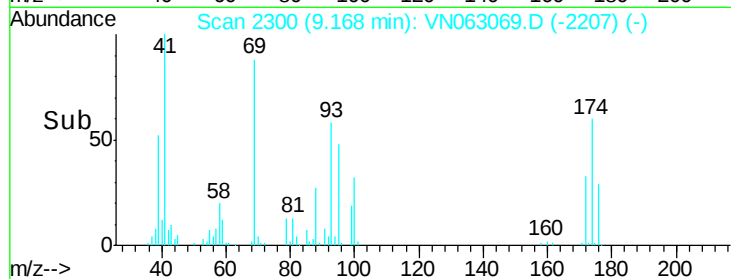
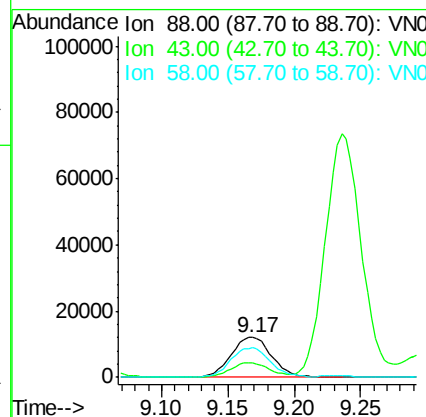
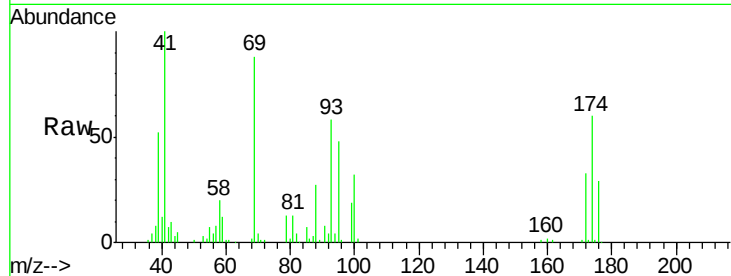
#49  
1,4-Dioxane  
Concen: 721.063 ug/l  
RT: 9.17 min Scan# 2300  
Delta R.T. 0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.8  | 25.2  | 37.8  |
| 58      | 72.2  | 56.7  | 85.1  |

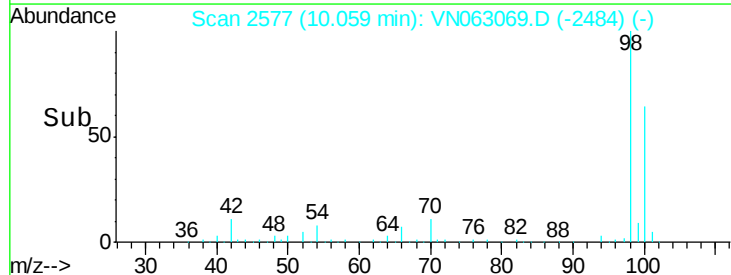
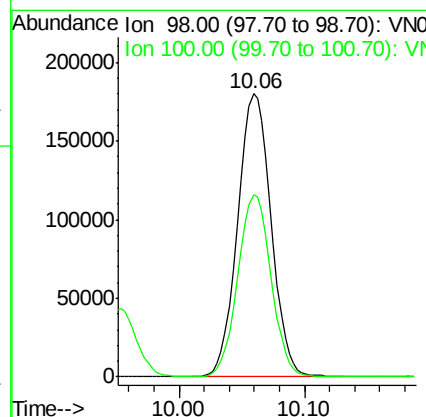
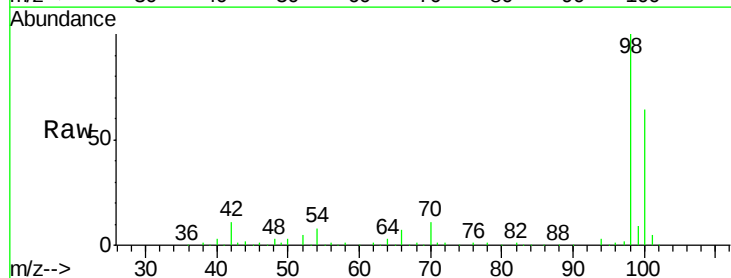
Manual Integrations  
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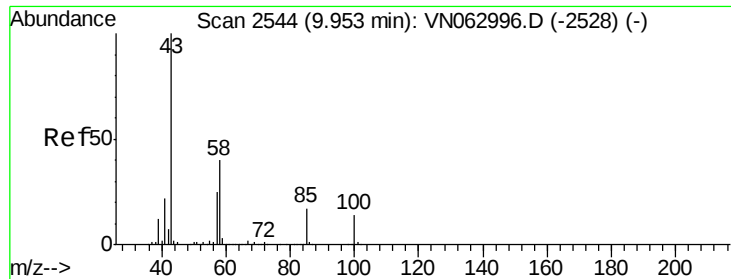
MMDadoda  
8/21/2020 9:20:26 AM



#50  
Toluene-d8  
Concen: 52.647 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

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





#51

4-Methyl-2-Pentanone

Concen: 249.124 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 546226

Ion Ratio Lower Upper

43 100

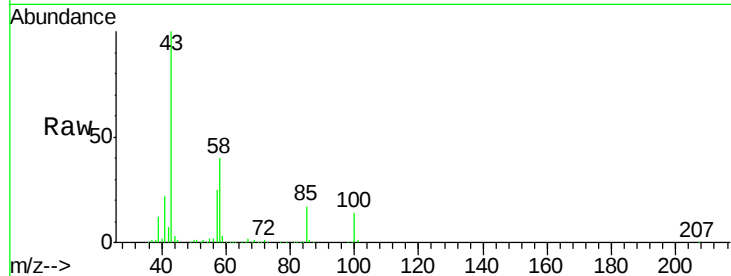
58 40.2 32.2 48.2

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8/21/2020 9:20:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

9.95

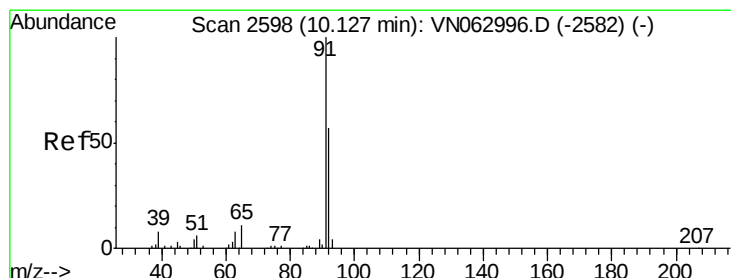
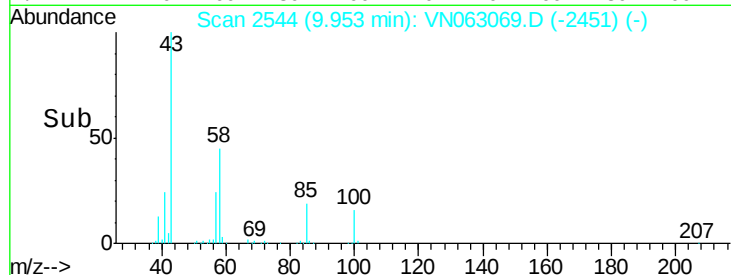
300000

200000

100000

0

Time--> 9.80 9.90 10.00



#52

Toluene

Concen: 51.763 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063069.D

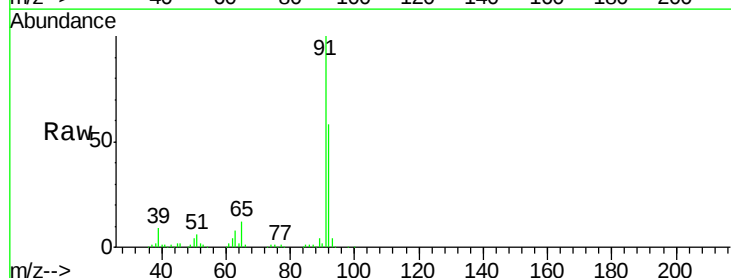
Acq: 21 Aug 2020 5:42

Tgt Ion: 92 Resp: 221301

Ion Ratio Lower Upper

92 100

91 173.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)

10.12

250000

200000

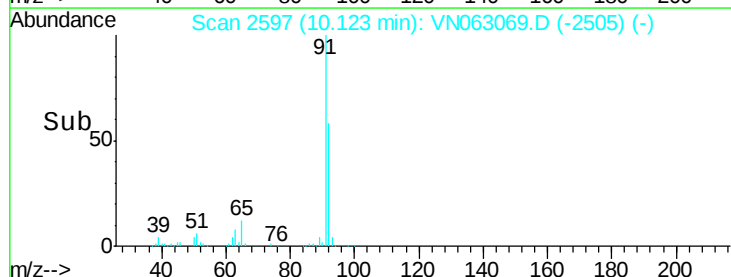
150000

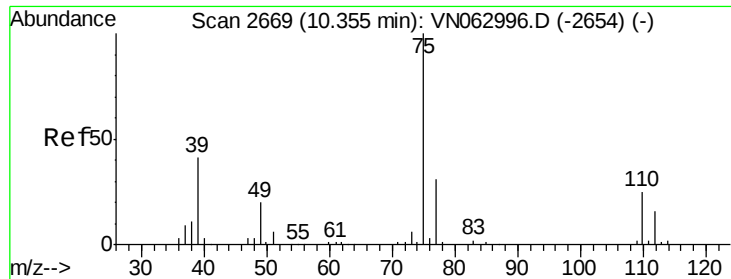
100000

50000

0

Time--> 10.10 10.20





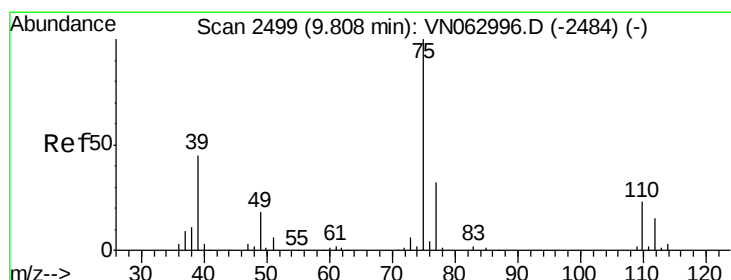
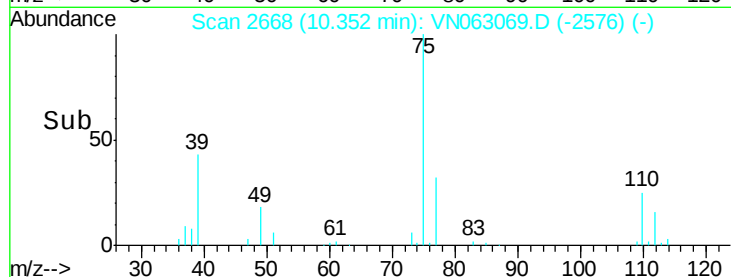
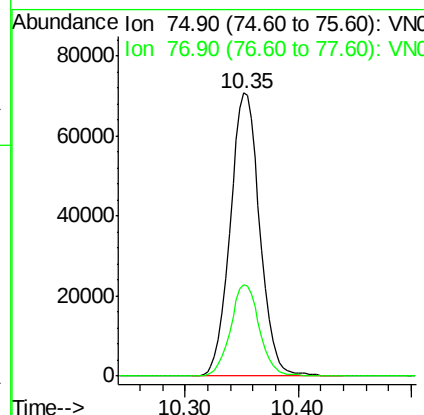
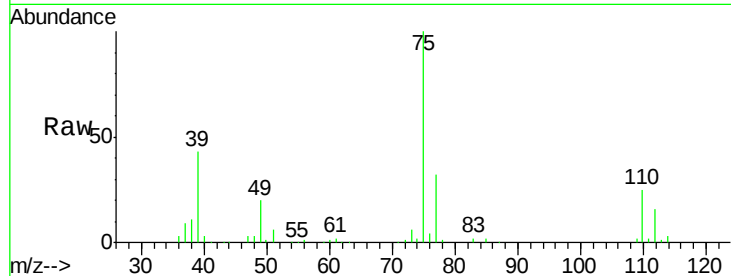
#53  
t-1,3-Dichloropropene  
Concen: 47.860 ug/l  
RT: 10.35 min Scan# 2668  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.4  | 24.6  | 37.0  |

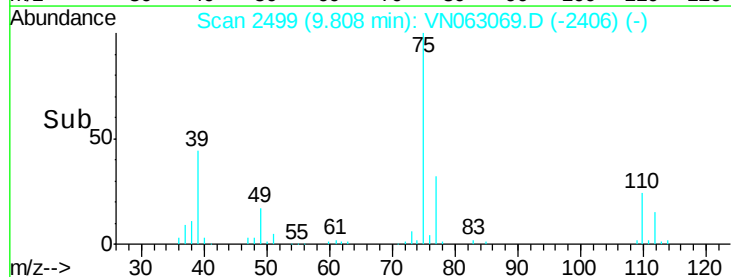
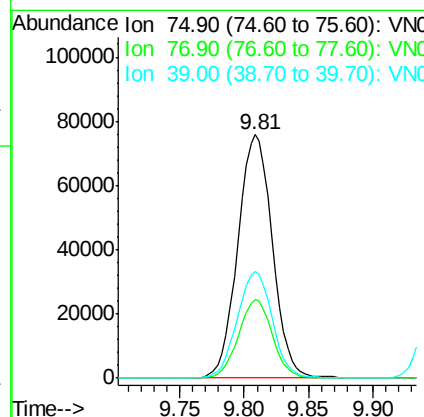
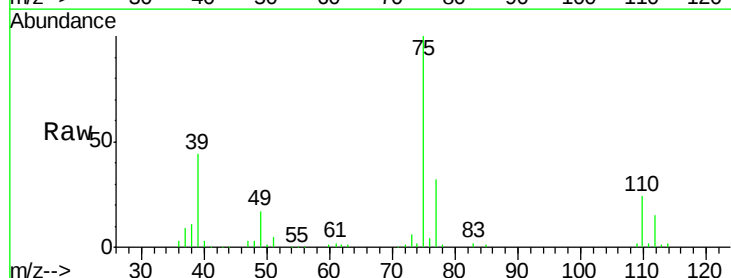
Manual Integrations  
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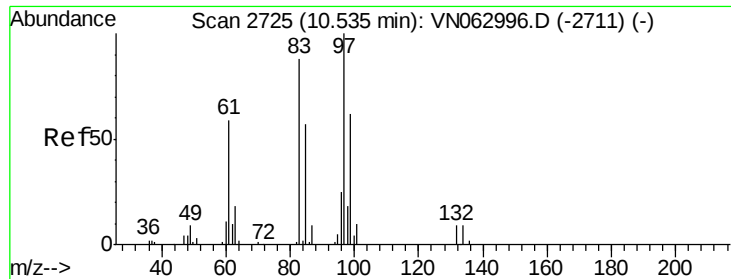
MMDadoda  
8/21/2020 9:20:26 AM



#54  
cis-1,3-Dichloropropene  
Concen: 48.190 ug/l  
RT: 9.81 min Scan# 2499  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.4  | 25.4  | 38.2  |
| 39      | 44.1  | 35.7  | 53.5  |





#55

1,1,2-Trichloroethane

Concen: 50.329 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

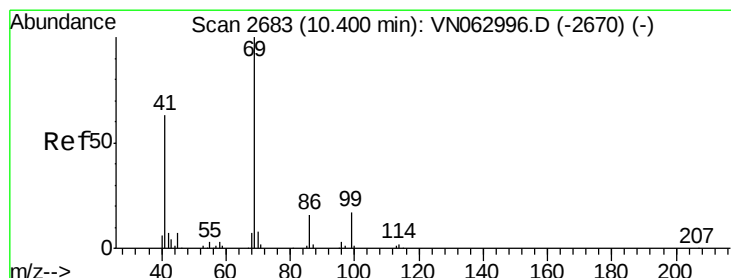
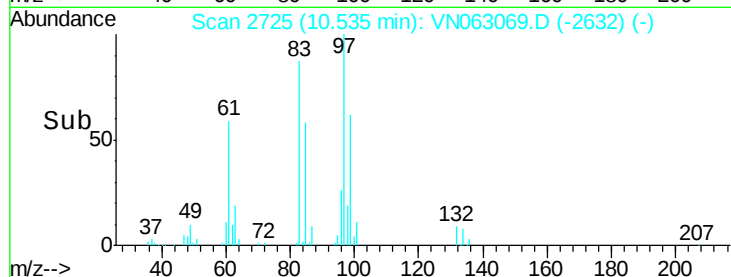
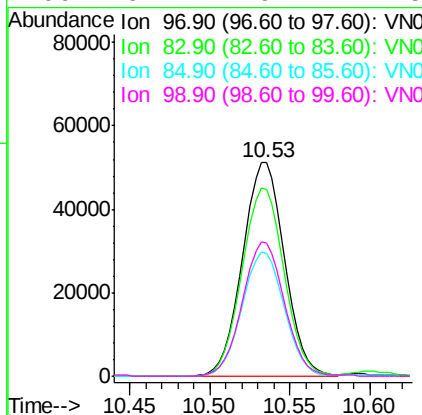
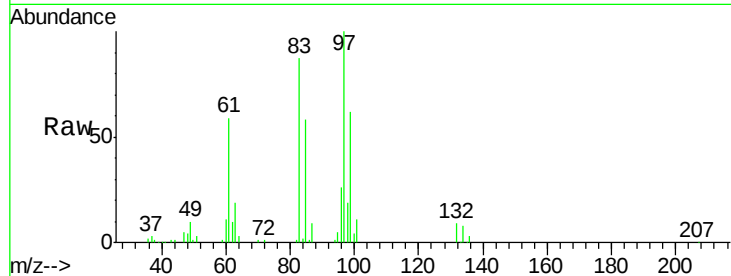
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 92005 |       |       |
| 83      | 87.5 | 70.5  | 105.7 |       |       |
| 85      | 57.7 | 45.8  | 68.6  |       |       |
| 99      | 62.2 | 49.7  | 74.5  |       |       |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 46.057 ug/l

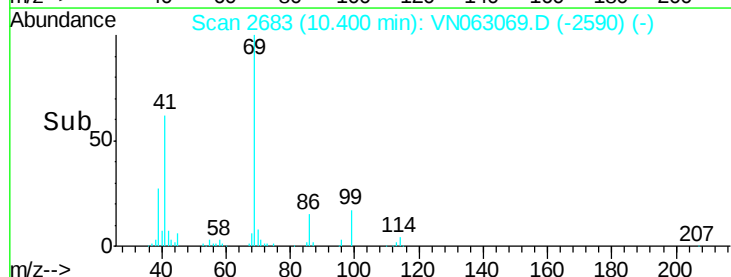
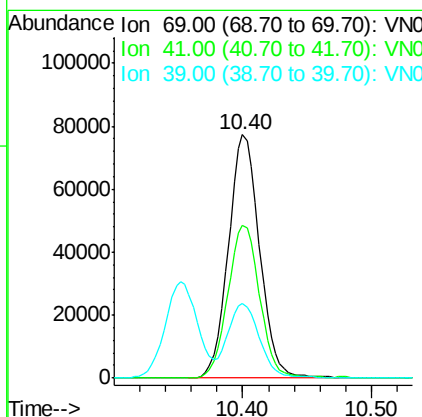
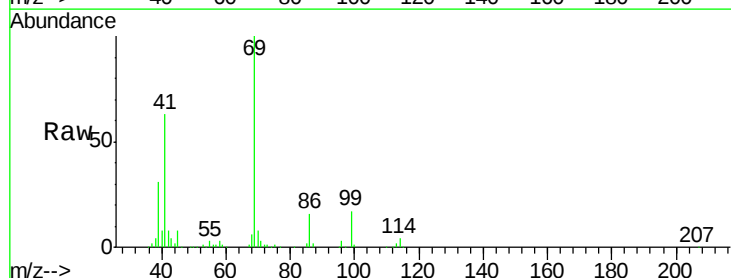
RT: 10.40 min Scan# 2683

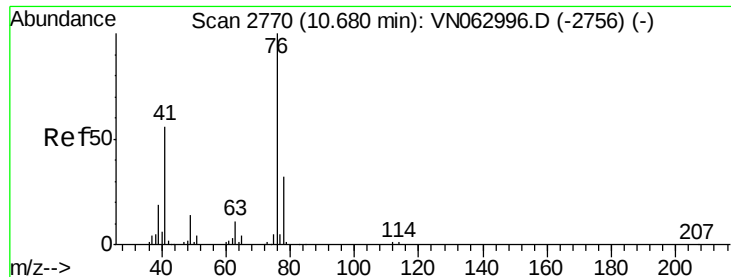
Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 129636 |       |       |
| 41      | 63.3 | 50.2  | 75.2   |       |       |
| 39      | 31.4 | 24.2  | 36.4   |       |       |





#57

1,3-Dichloropropane

Concen: 50.287 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 152651

Ion Ratio Lower Upper

76 100

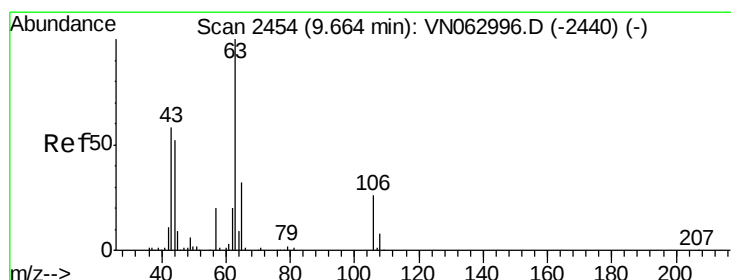
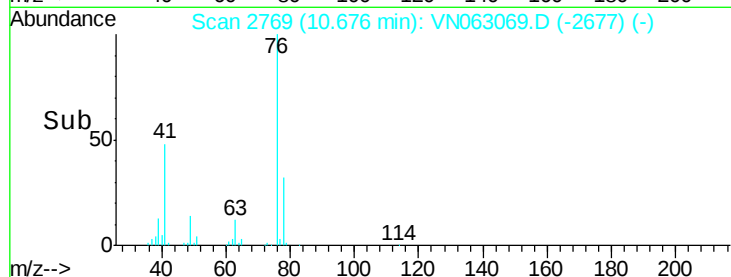
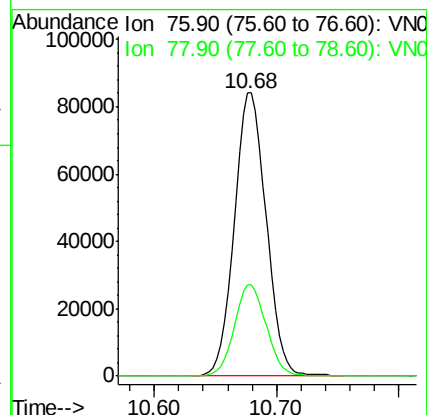
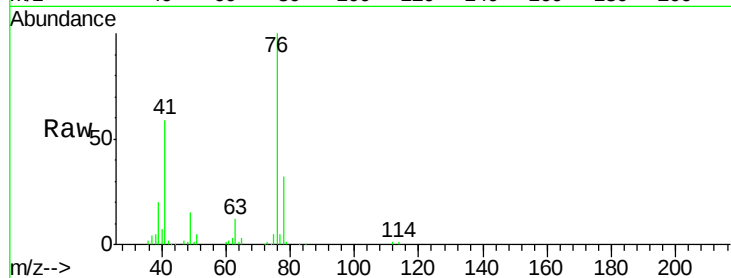
78 32.3 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 192.730 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063069.D

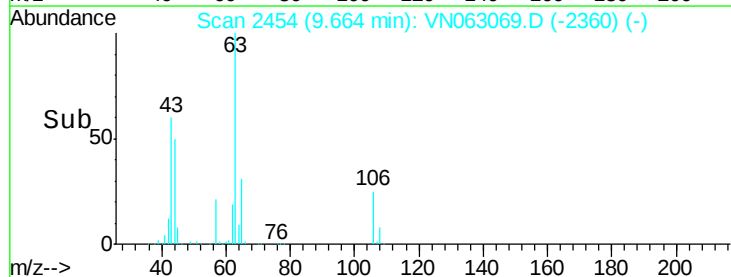
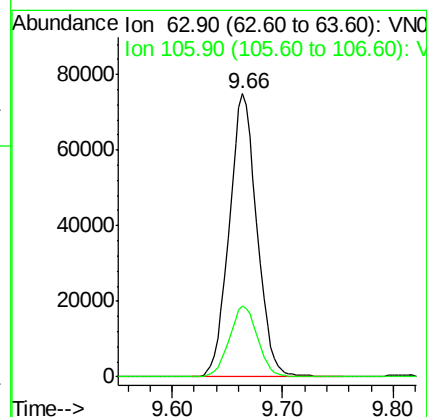
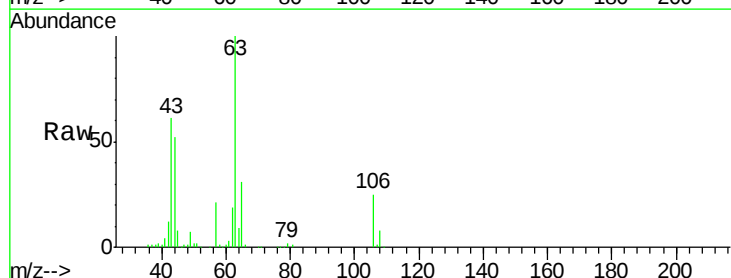
Acq: 21 Aug 2020 5:42

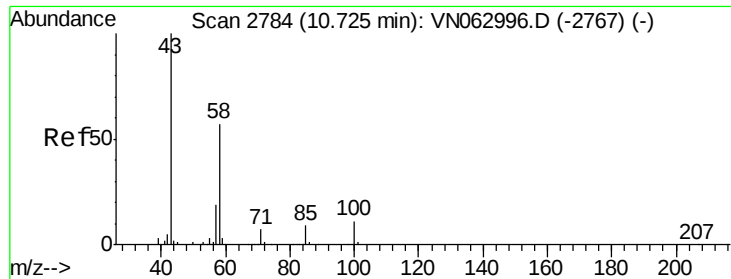
Tgt Ion: 63 Resp: 130276

Ion Ratio Lower Upper

63 100

106 25.6 20.7 31.1





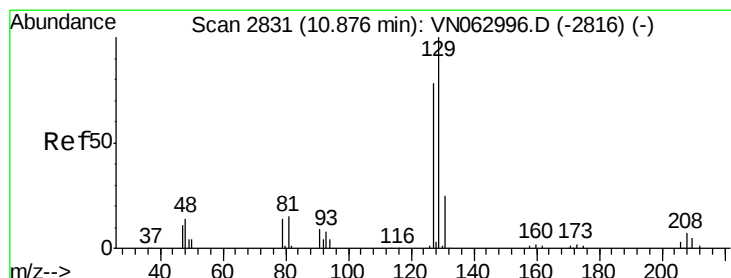
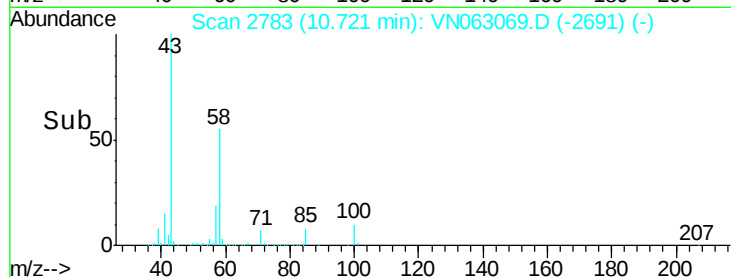
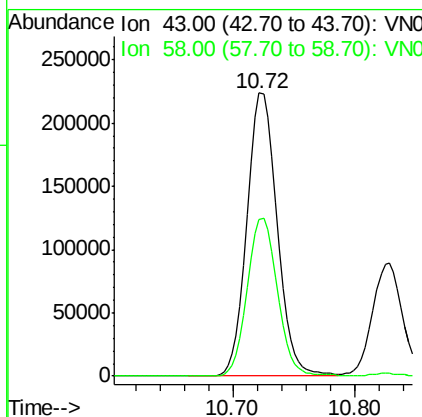
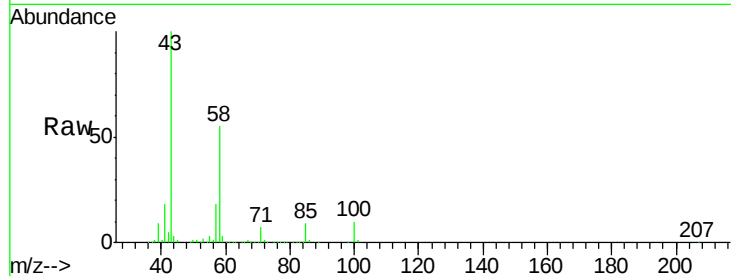
#59  
2-Hexanone  
Concen: 248.628 ug/l  
RT: 10.72 min Scan# 2783  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43   | Resp  | 380248 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 56.0 | 28.1  | 84.3   |

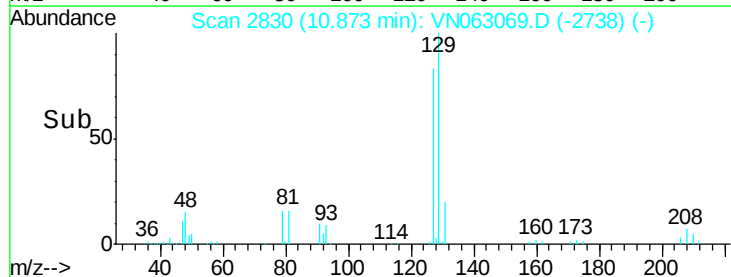
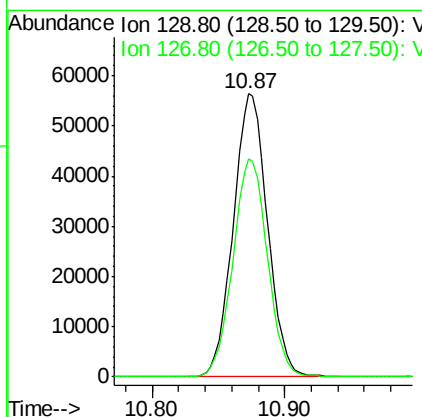
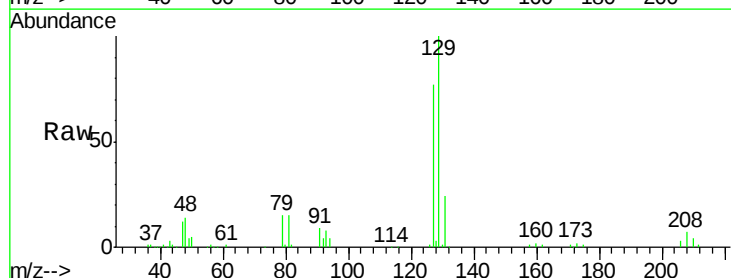
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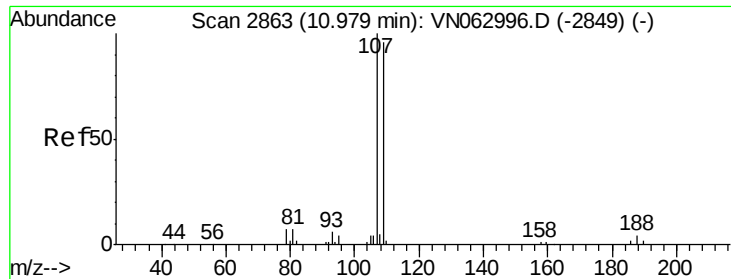
MMDadoda  
8/21/2020 9:20:26 AM



#60  
Dibromochloromethane  
Concen: 50.007 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion   | 129  | Resp  | 101167 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 129       | 100  |       |        |
| 127       | 77.5 | 38.4  | 115.2  |





#61

1,2-Dibromoethane

Concen: 51.271 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 90059

Ion Ratio Lower Upper

107 100

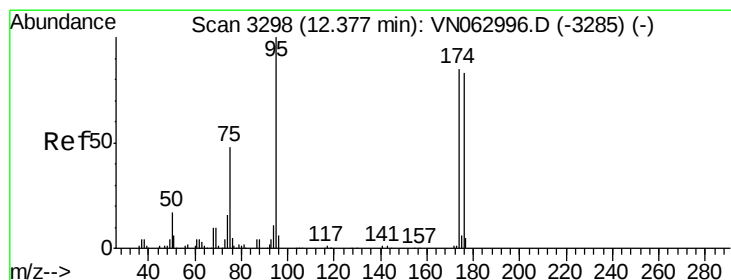
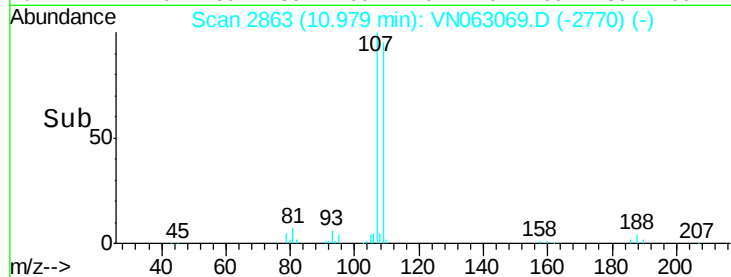
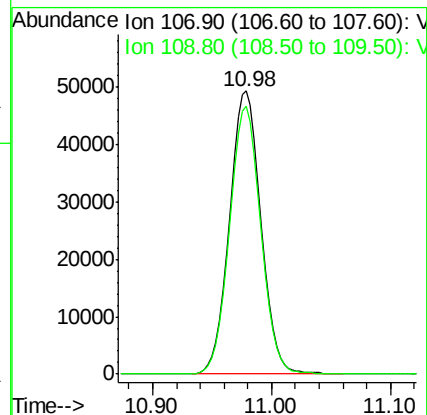
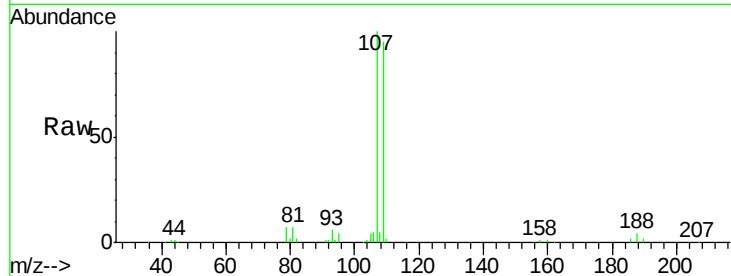
109 94.1 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 52.751 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

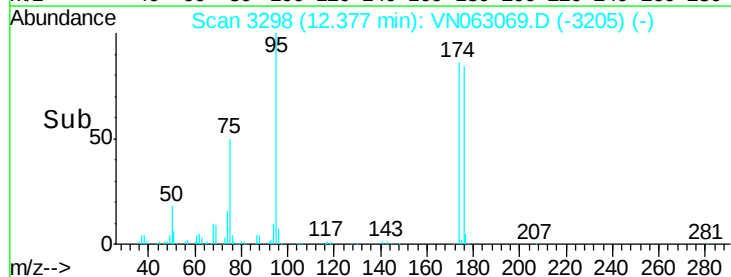
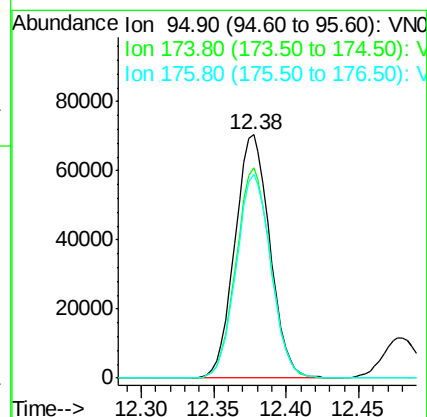
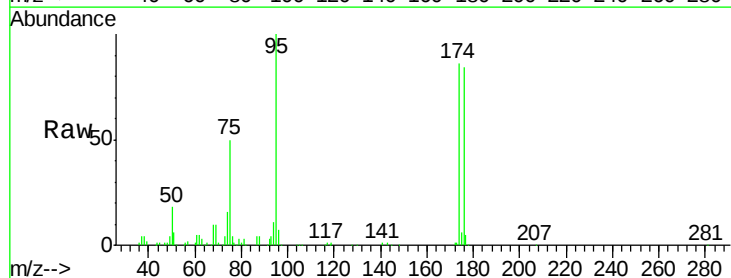
Tgt Ion: 95 Resp: 118136

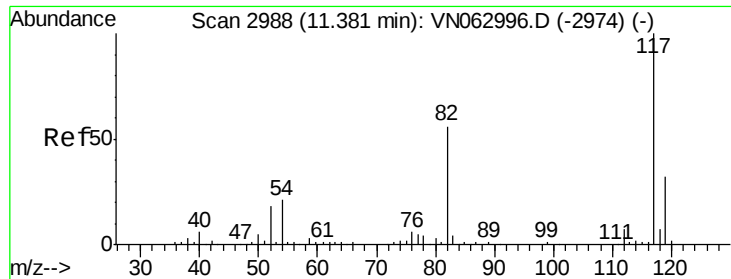
Ion Ratio Lower Upper

95 100

174 85.3 0.0 170.8

176 83.5 0.0 164.8





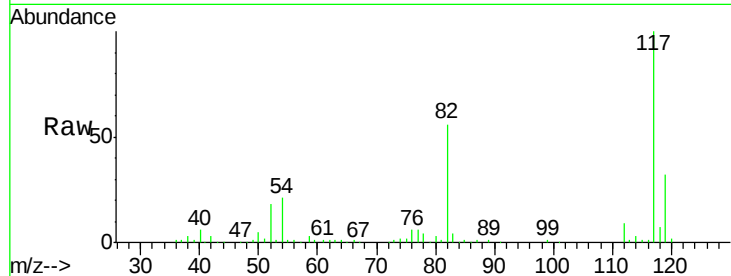
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

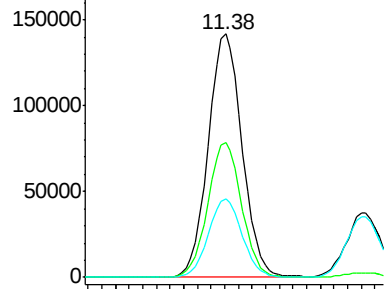
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.6  | 44.5  | 66.7  |
| 119     | 32.1  | 25.5  | 38.3  |

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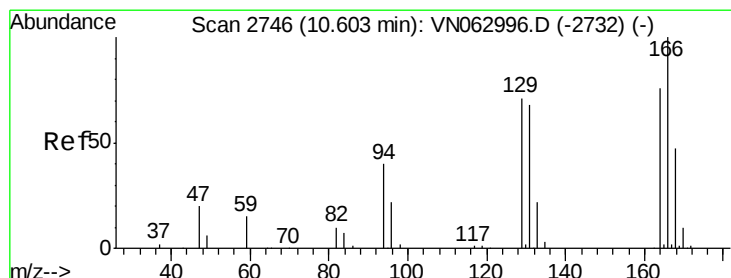
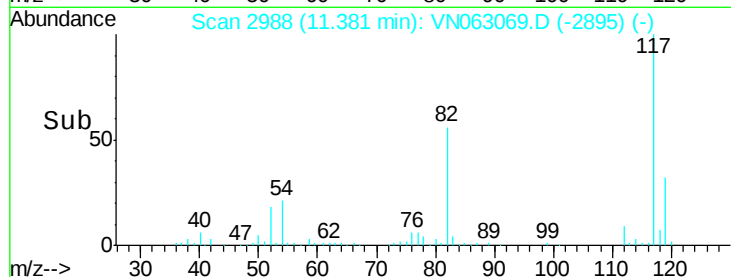
MMDadoda  
8/21/2020 9:20:26 AM



Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



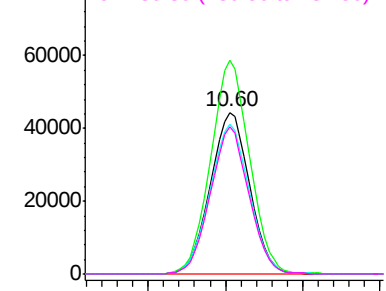
Time-->



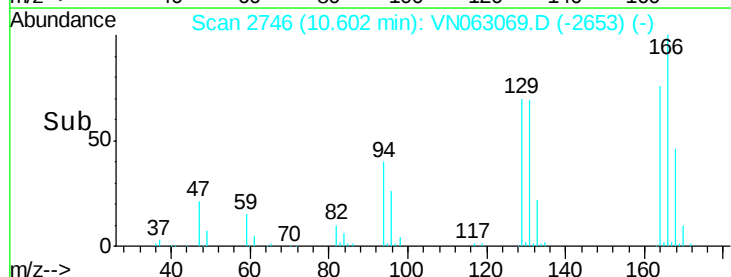
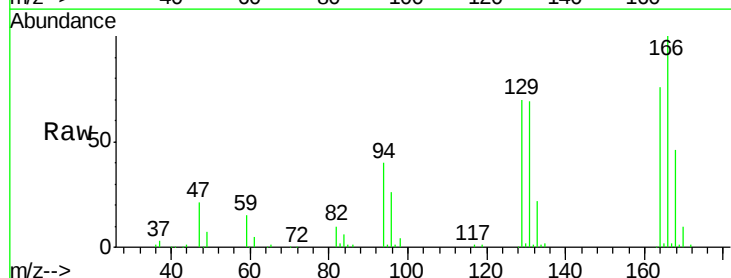
#64  
Tetrachloroethene  
Concen: 48.717 ug/l  
RT: 10.60 min Scan# 2746  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

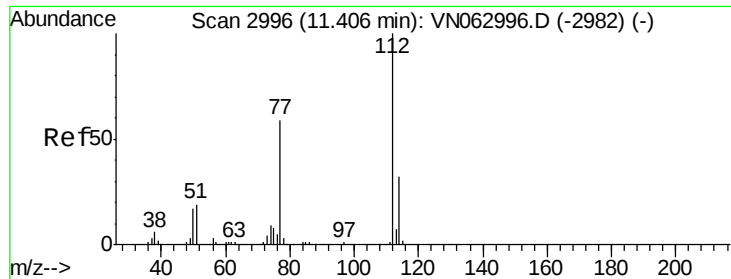
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 132.2 | 105.0 | 157.6 |
| 129     | 92.4  | 74.7  | 112.1 |
| 131     | 90.9  | 71.0  | 106.4 |

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V



Time-->





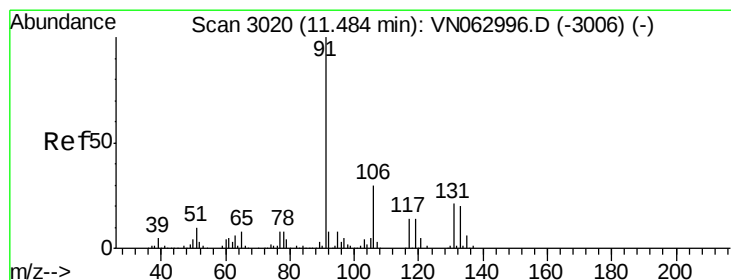
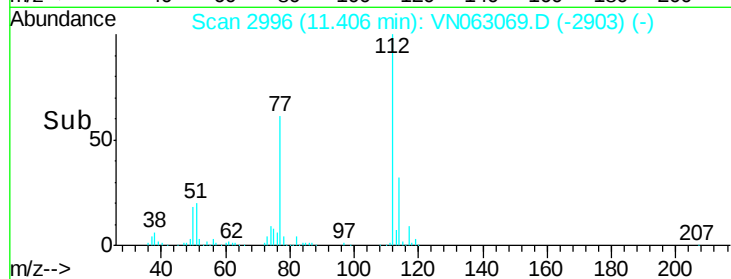
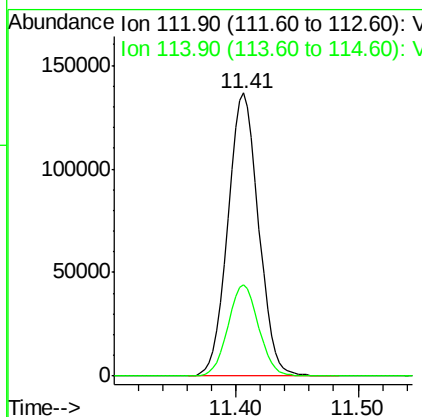
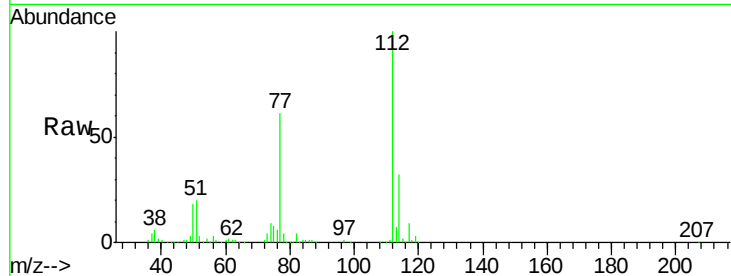
#65  
Chlorobenzene  
Concen: 48.919 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.3  | 25.3  | 37.9  |

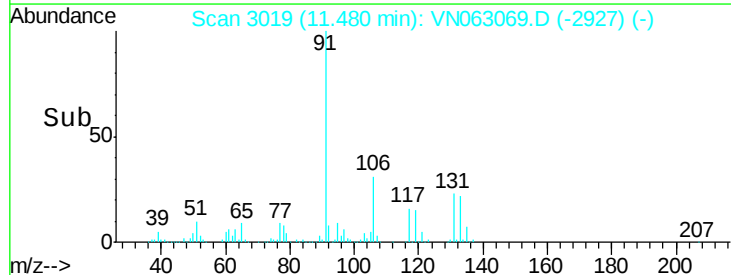
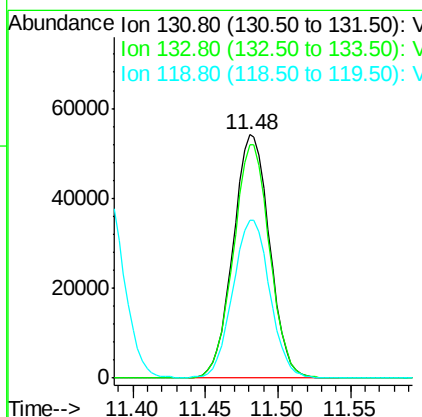
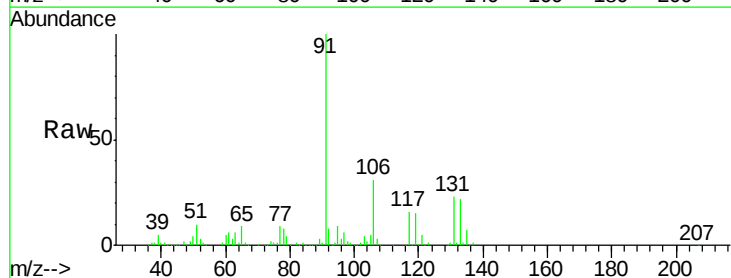
Manual Integrations  
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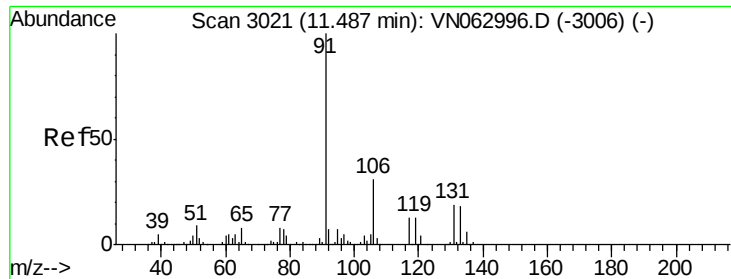
MMDadoda  
8/21/2020 9:20:26 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.638 ug/l  
RT: 11.48 min Scan# 3019  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.3  | 47.5  | 142.6 |
| 119     | 66.0  | 33.1  | 99.3  |





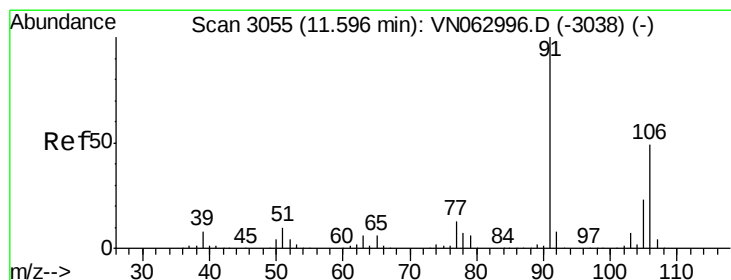
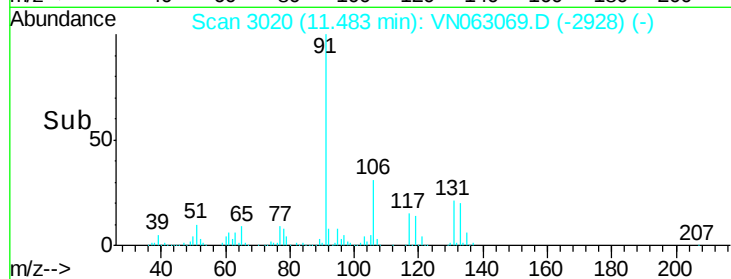
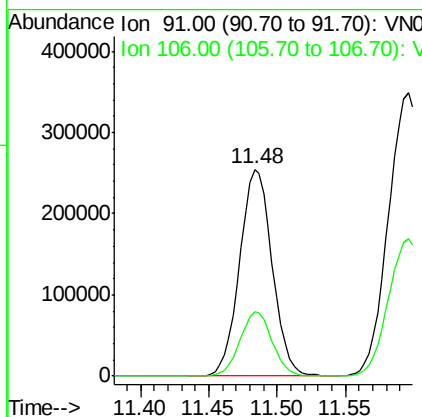
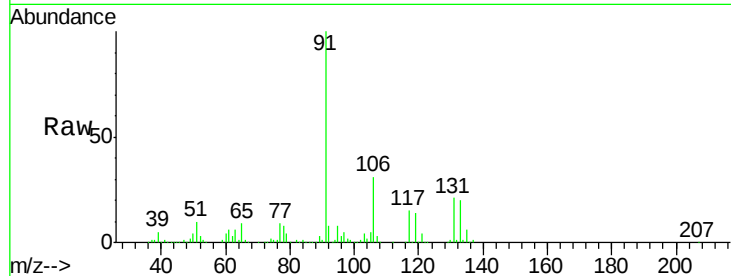
#67  
Ethyl Benzene  
Concen: 50.998 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 91      | 100  |       |        |       |       |
| 106     | 31.0 | 24.6  | 422676 |       | 37.0  |

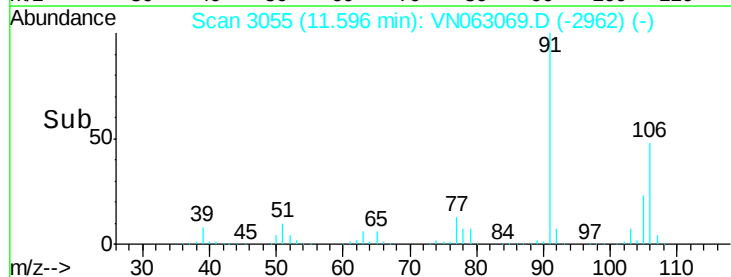
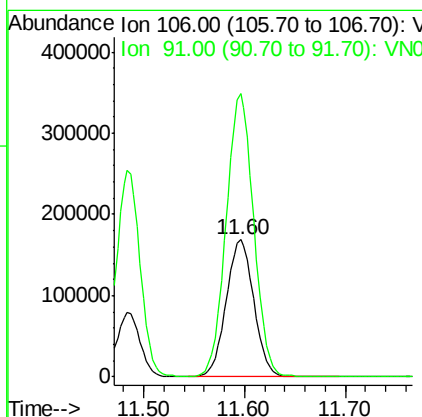
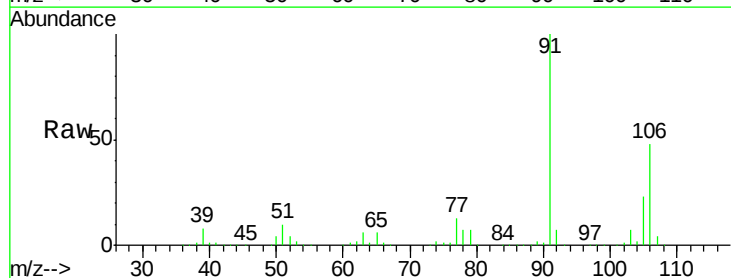
Manual Integrations  
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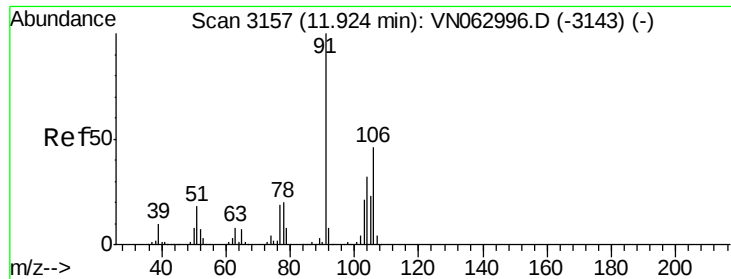
MMDadoda  
8/21/2020 9:20:26 AM



#68  
m/p-Xylenes  
Concen: 104.928 ug/l  
RT: 11.60 min Scan# 3055  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       |        |       |       |
| 91      | 205.6 | 163.0 | 323225 |       | 244.4 |





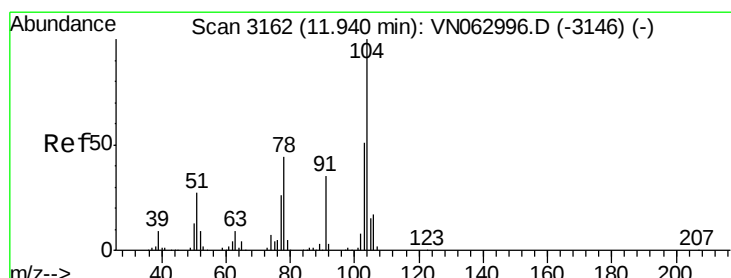
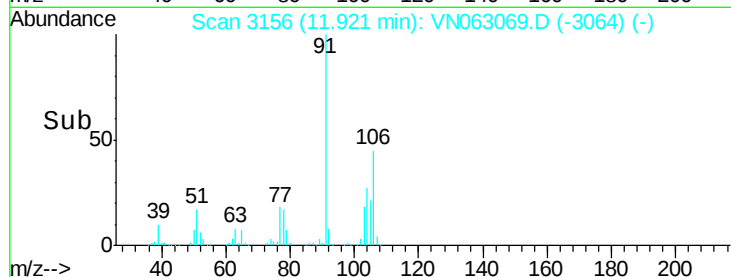
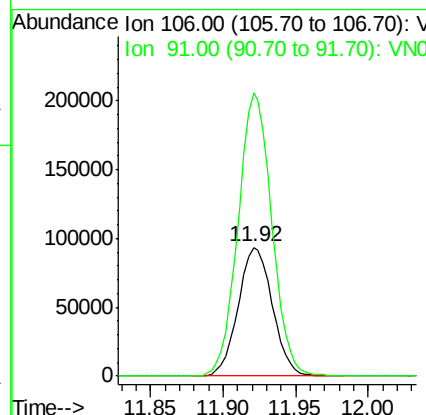
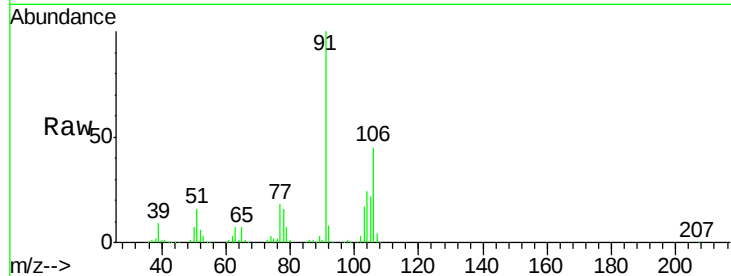
#69  
o-Xylene  
Concen: 51.778 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 217.1 | 107.3 | 321.9 |

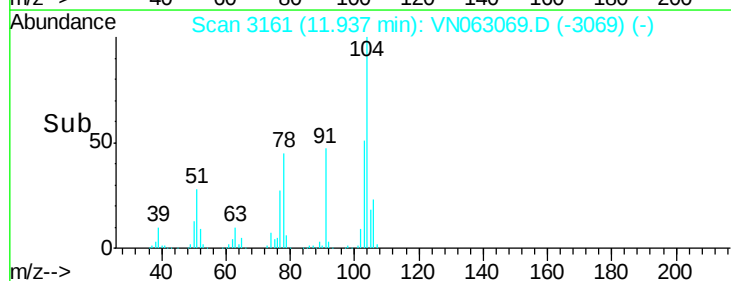
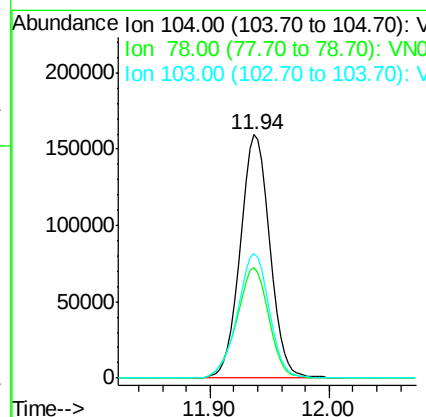
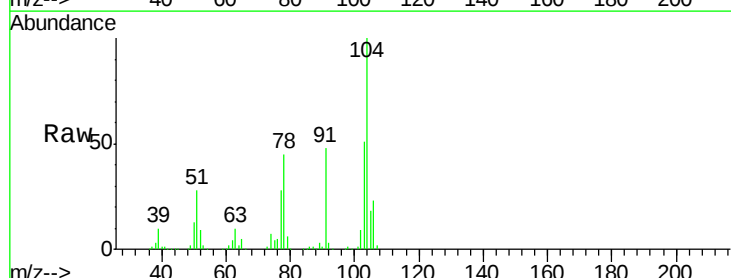
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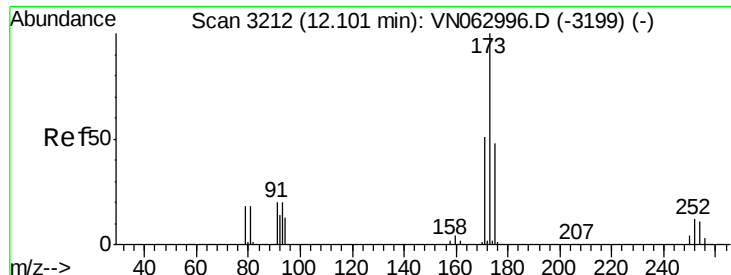
MMDadoda  
8/21/2020 9:20:26 AM



#70  
Styrene  
Concen: 47.129 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.2  | 39.0  | 58.6  |
| 103     | 54.8  | 44.3  | 66.5  |





#71

Bromoform

Concen: 49.708 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 75486

Ion Ratio Lower Upper

173 100

175 47.7 24.3 72.8

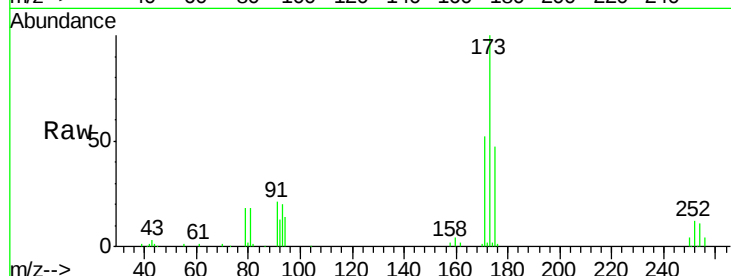
254 0.0 0.0 0.0

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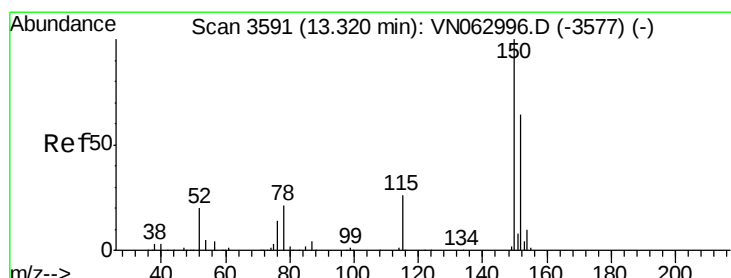
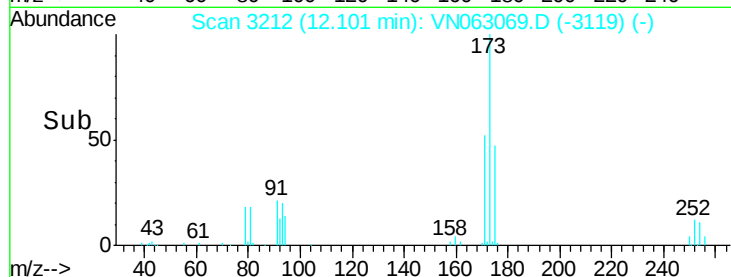
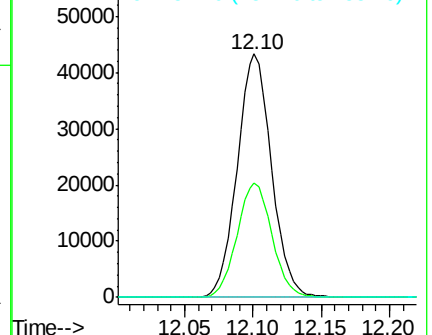
8/21/2020 9:20:26 AM



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# 3591

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

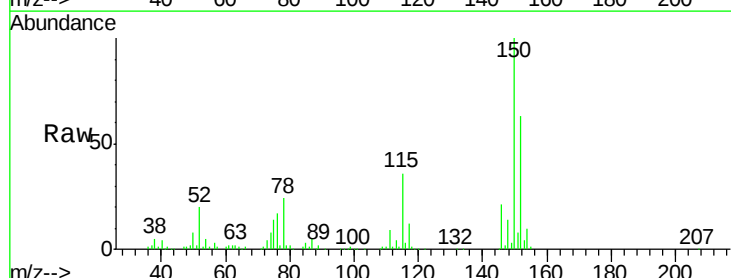
Tgt Ion:152 Resp: 121533

Ion Ratio Lower Upper

152 100

115 58.1 28.7 86.3

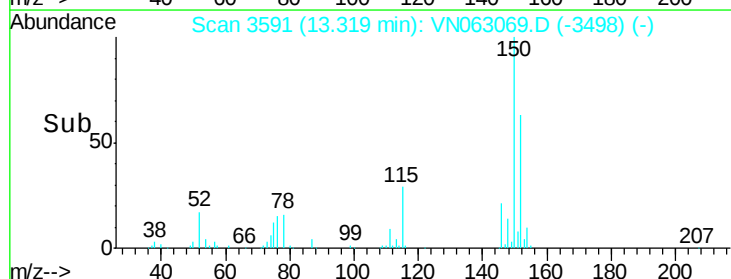
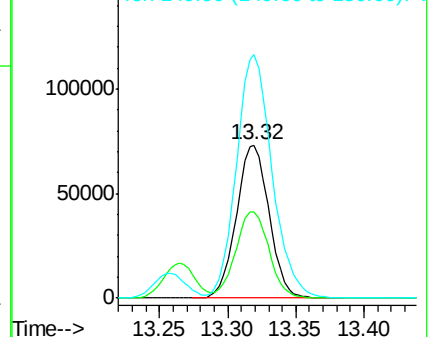
150 173.0 0.0 348.8

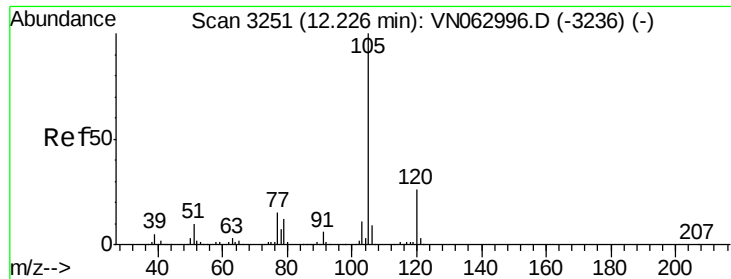


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





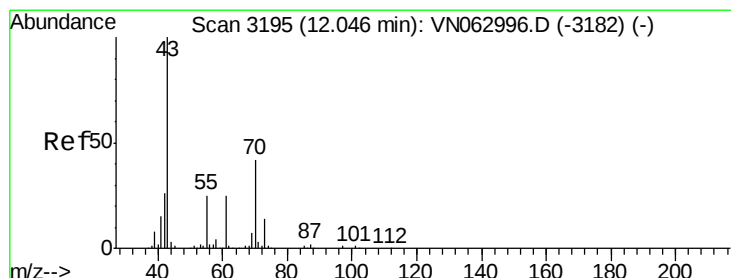
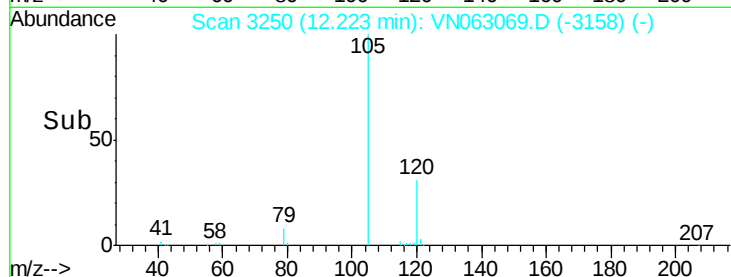
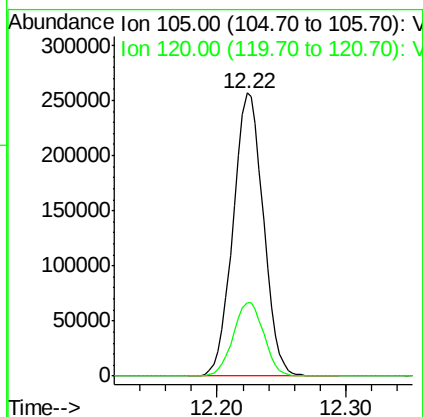
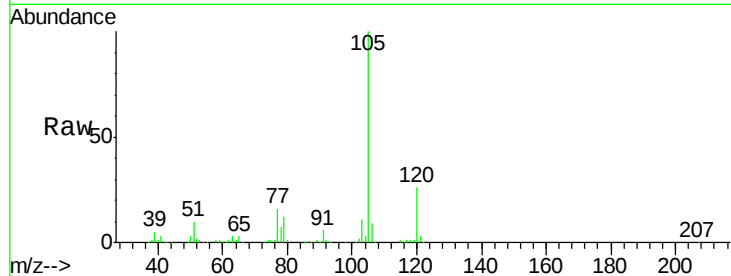
#73  
Isopropylbenzene  
Concen: 50.236 ug/l  
RT: 12.22 min Scan# 3250  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.4  | 13.2  | 39.6  |

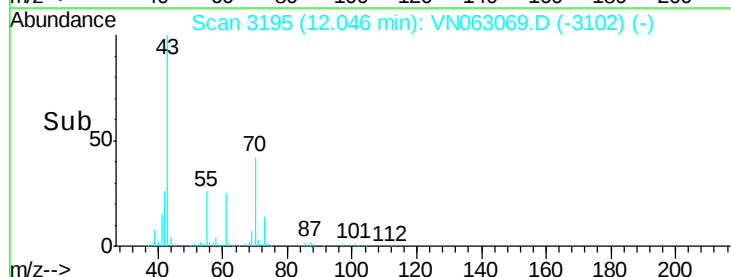
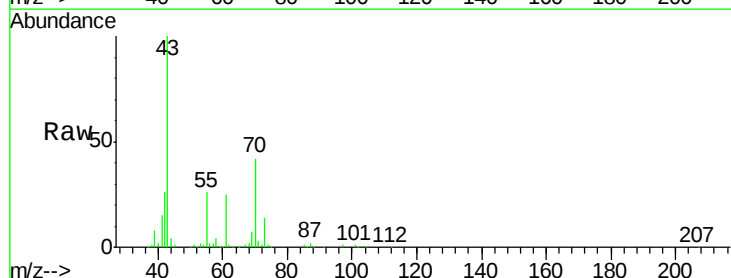
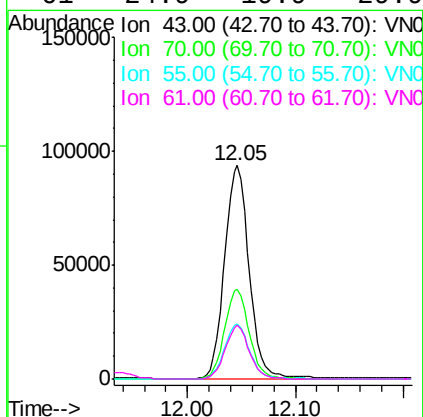
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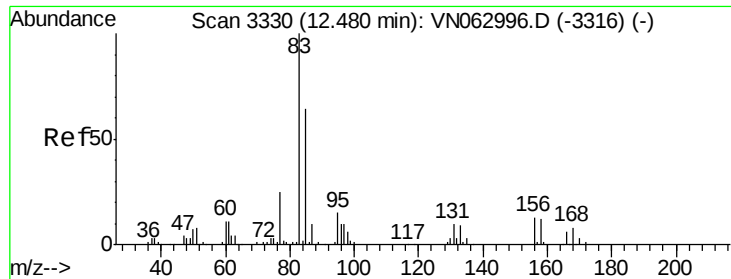
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8/21/2020 9:20:26 AM



#74  
N-ethyl acetate  
Concen: 49.792 ug/l  
RT: 12.05 min Scan# 3195  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 42.4  | 33.4  | 50.0  |
| 55      | 26.4  | 20.2  | 30.2  |
| 61      | 24.9  | 19.9  | 29.9  |





#75

1,1,2,2-Tetrachloroethane

Concen: 50.587 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

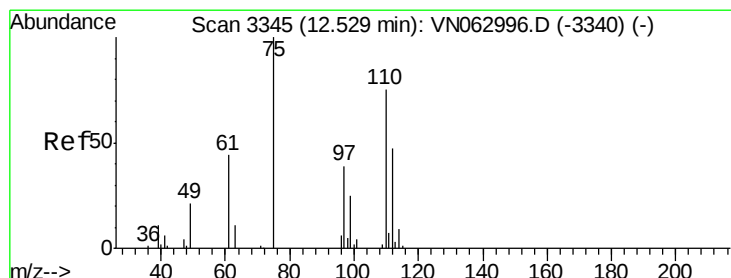
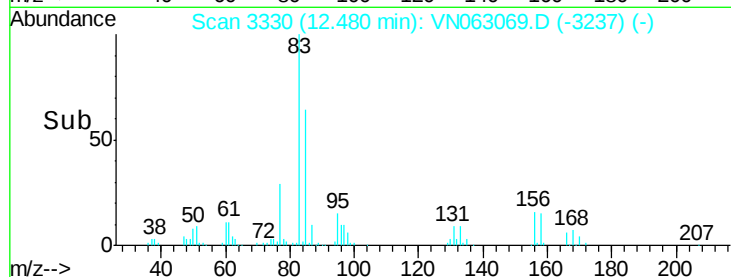
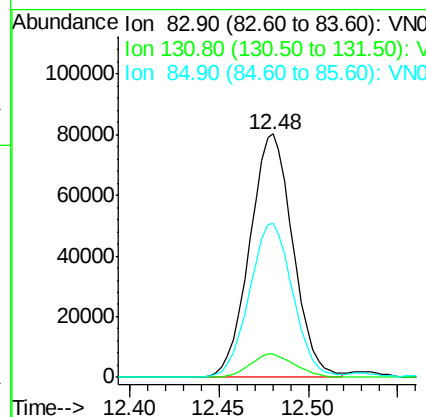
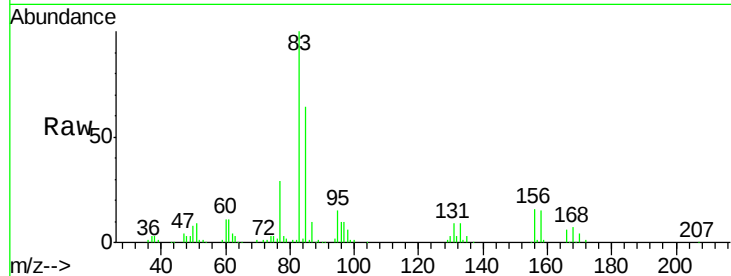
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 135805 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.9   | 4.9   | 14.7   |
| 85        | 63.5  | 31.9  | 95.5   |

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#76

1,2,3-Trichloropropane

Concen: 47.376 ug/l m

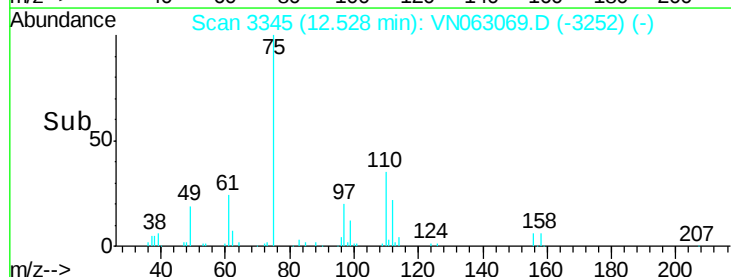
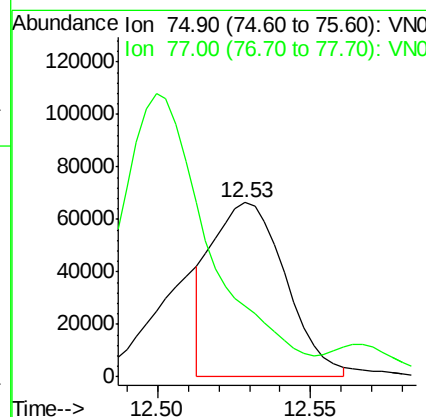
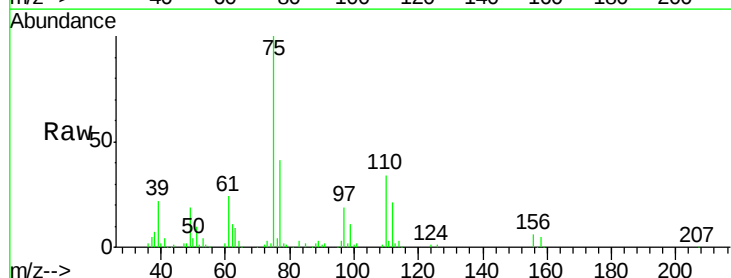
RT: 12.53 min Scan# 3345

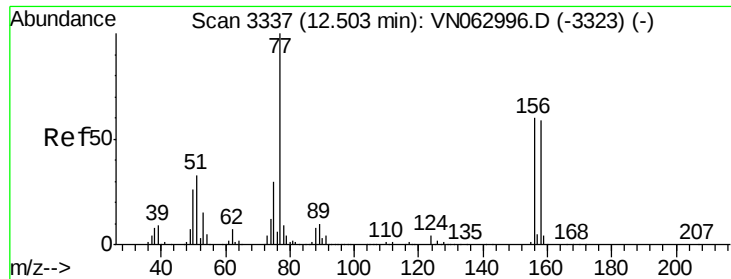
Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 111917 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





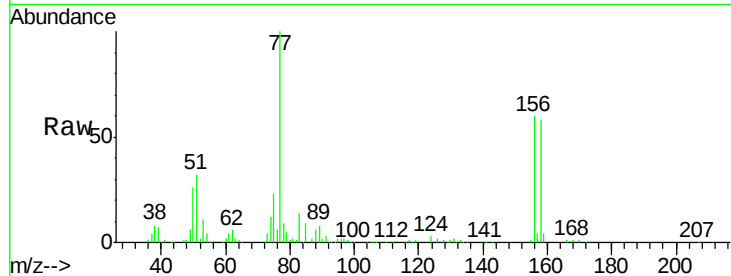
#77  
Bromobenzene  
Concen: 48.755 ug/l  
RT: 12.50 min Scan# 3336  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

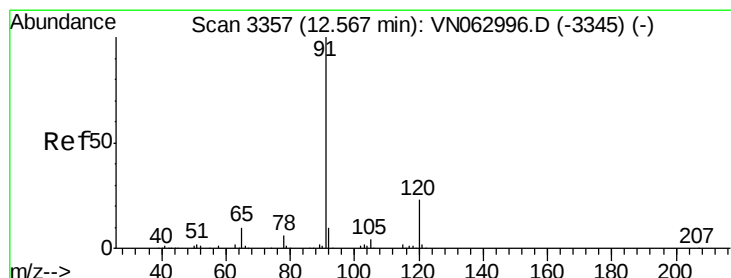
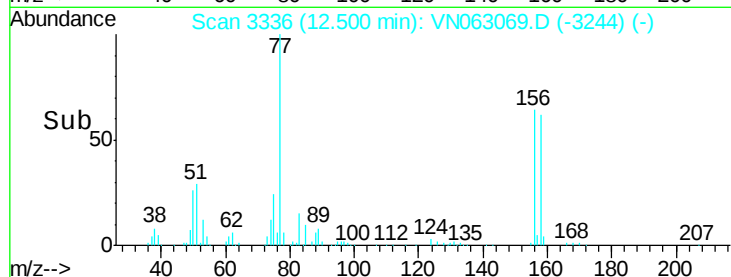
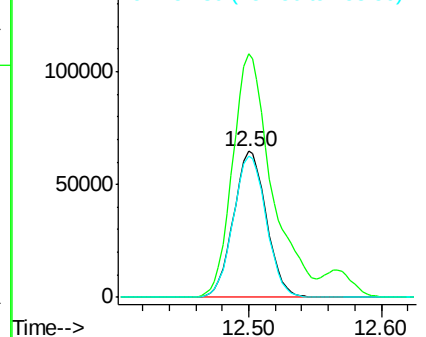
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 199.1 | 101.0 | 302.9 |
| 158     | 96.9  | 49.4  | 148.0 |

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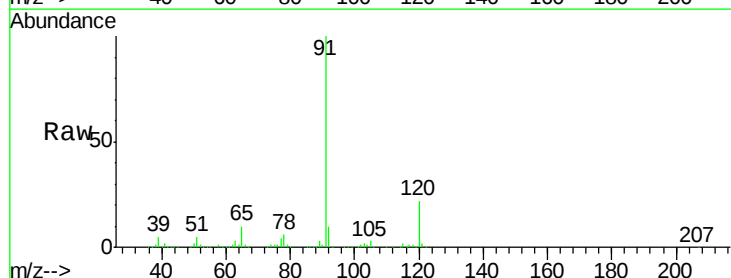


Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VN  
Ion 157.80 (157.50 to 158.50): V

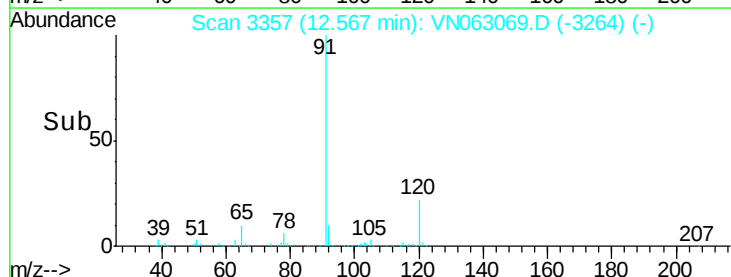
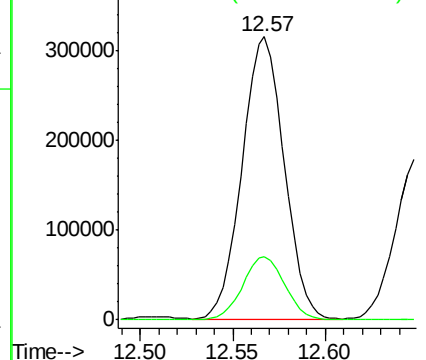


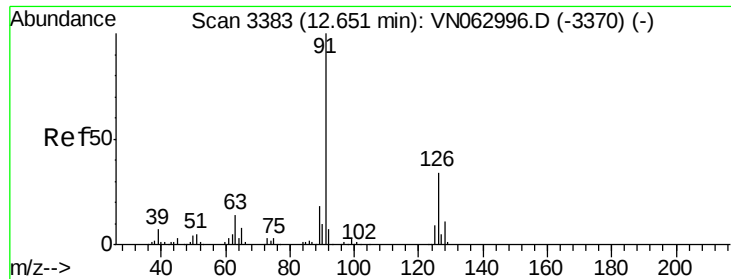
#78  
n-propylbenzene  
Concen: 52.047 ug/l  
RT: 12.57 min Scan# 3357  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.5  | 11.4  | 34.1  |



Abundance Ion 91.00 (90.70 to 91.70): VN  
Ion 120.00 (119.70 to 120.70): V





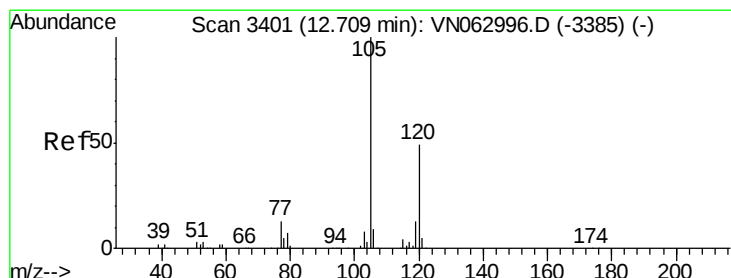
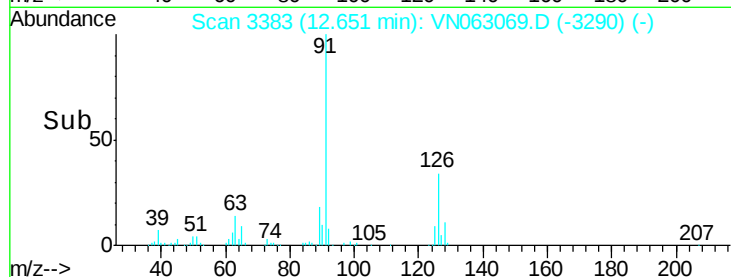
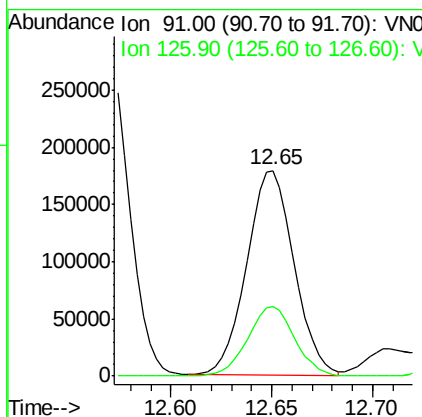
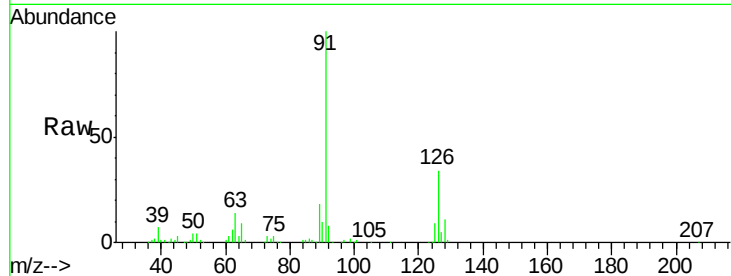
#79  
 2-Chlorotoluene  
 Concen: 49.220 ug/l  
 RT: 12.65 min Scan# 3383  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 91 Resp: 293685  
 Ion Ratio Lower Upper  
 91 100  
 126 34.0 17.1 51.2

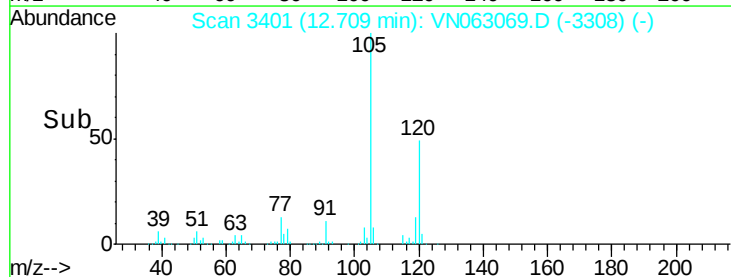
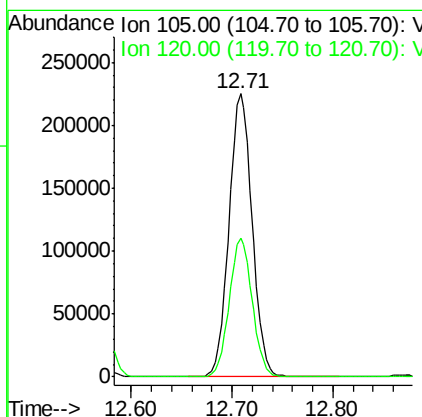
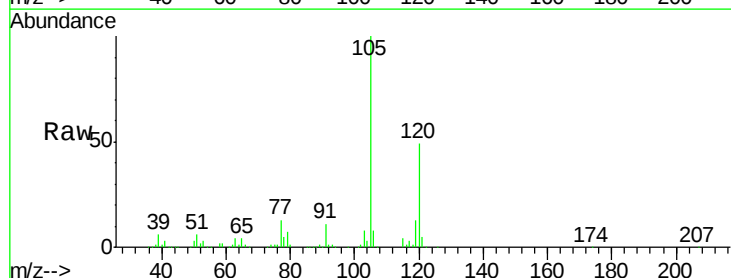
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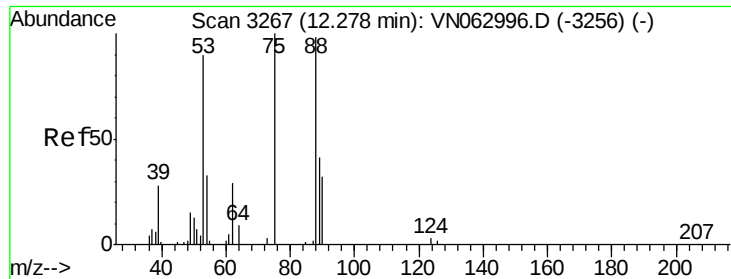
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 52.380 ug/l  
 RT: 12.71 min Scan# 3401  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Tgt Ion: 105 Resp: 360368  
 Ion Ratio Lower Upper  
 105 100  
 120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.614 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

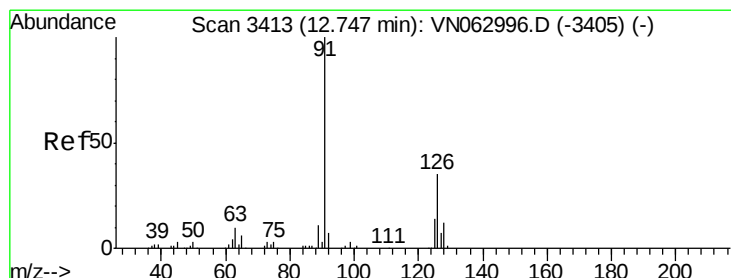
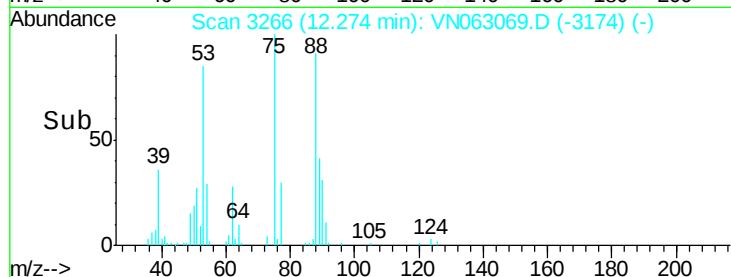
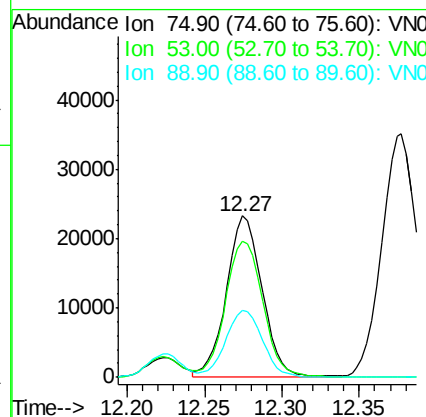
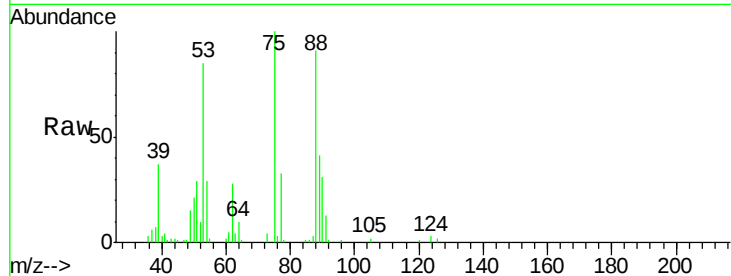
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 37514 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 88.2  | 69.2  | 103.8 |
| 89        | 42.5  | 34.2  | 51.4  |

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#82

4-Chlorotoluene

Concen: 50.300 ug/l

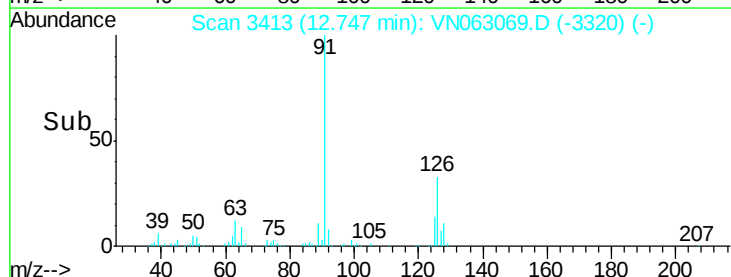
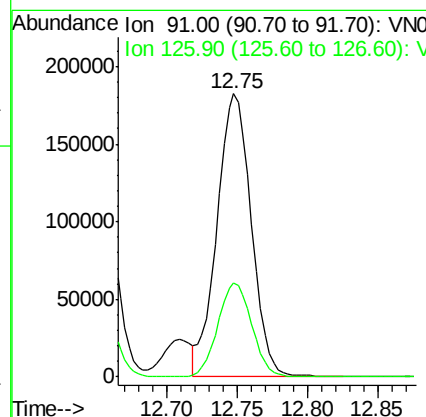
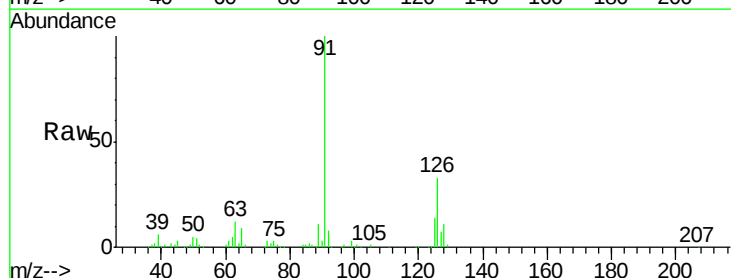
RT: 12.75 min Scan# 3413

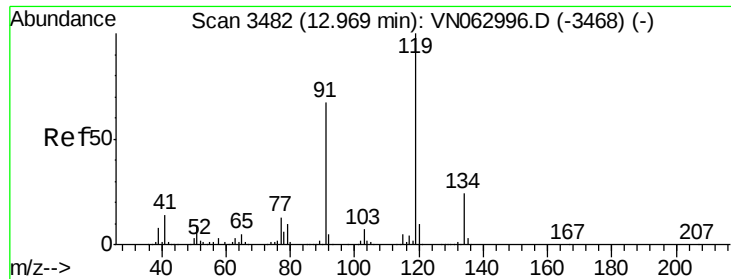
Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 305611 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 33.2  | 16.5  | 49.5   |





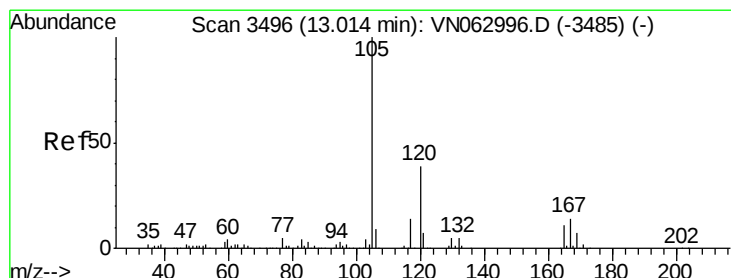
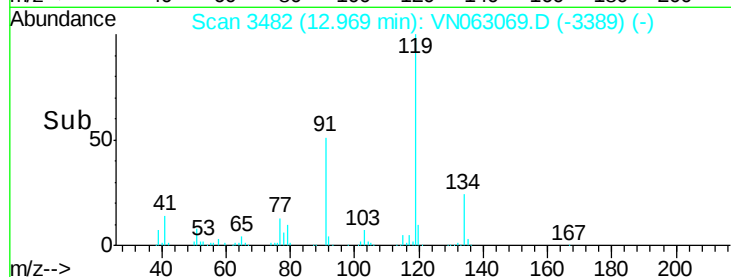
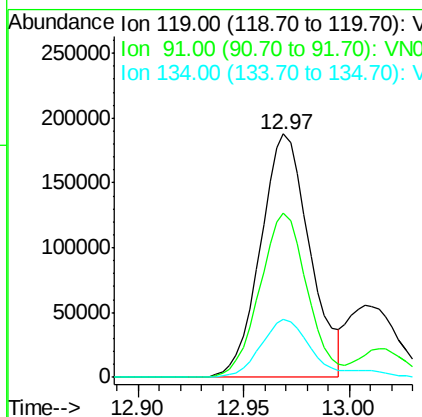
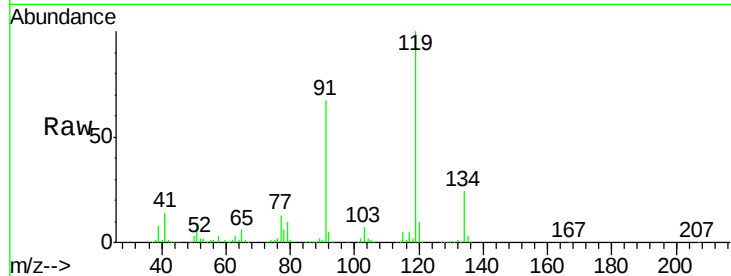
#83  
 tert-Butylbenzene  
 Concen: 51.370 ug/l  
 RT: 12.97 min Scan# 3482  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 305041 |       |       |
| 91      | 65.1  |        | 32.5  | 97.4  |
| 134     | 25.6  |        | 13.1  | 39.3  |

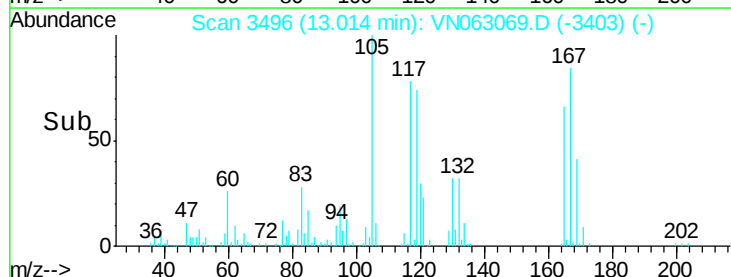
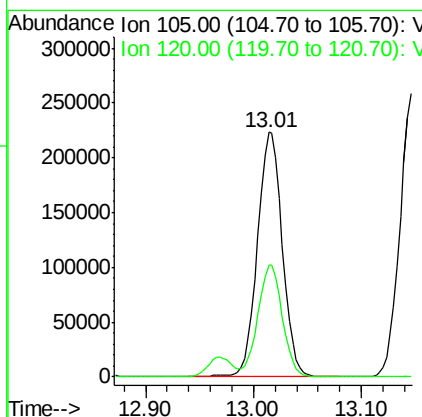
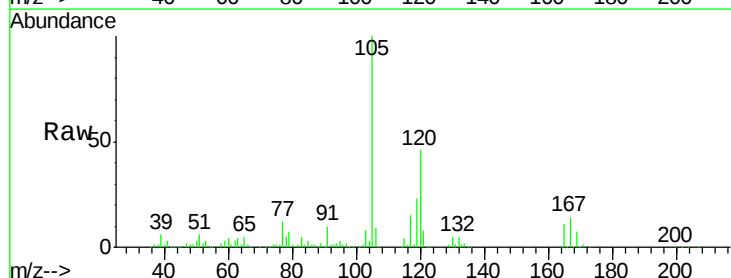
Manual Integrations  
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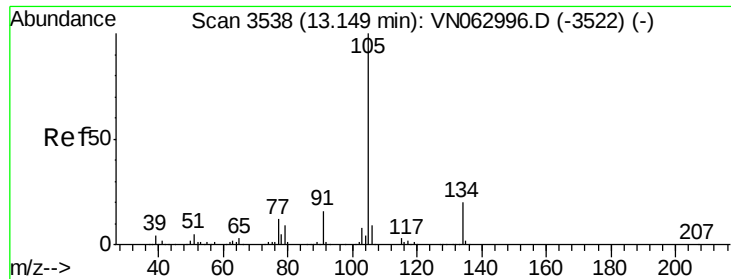
MMDadoda  
 8/21/2020 9:20:26 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 53.255 ug/l  
 RT: 13.01 min Scan# 3496  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 356937 |       |       |
| 120     | 44.7  |        | 22.5  | 67.5  |





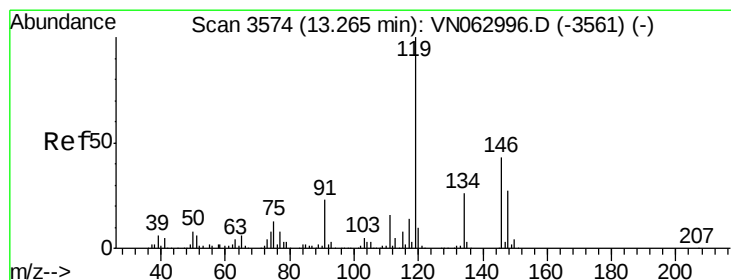
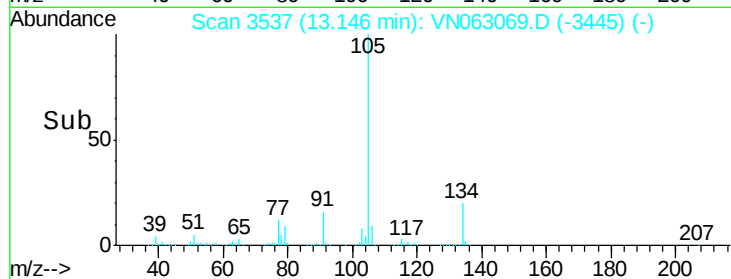
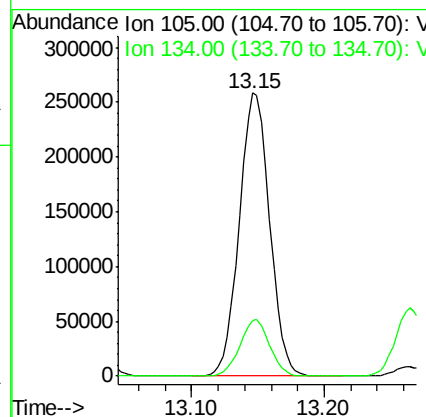
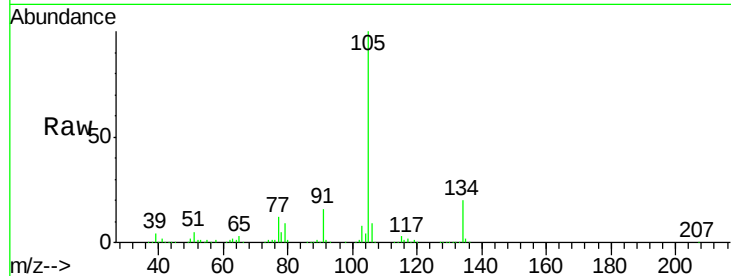
#85  
 sec-Butylbenzene  
 Concen: 50.933 ug/l  
 RT: 13.15 min Scan# 3537  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.8  | 9.8   | 29.4  |

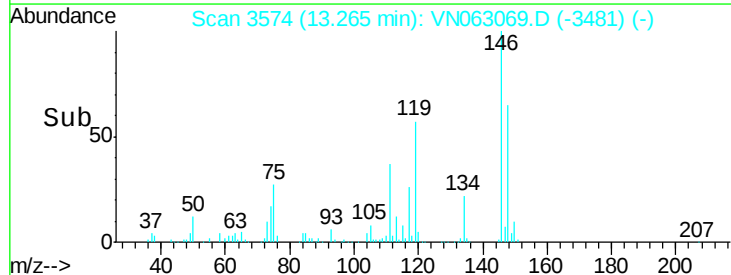
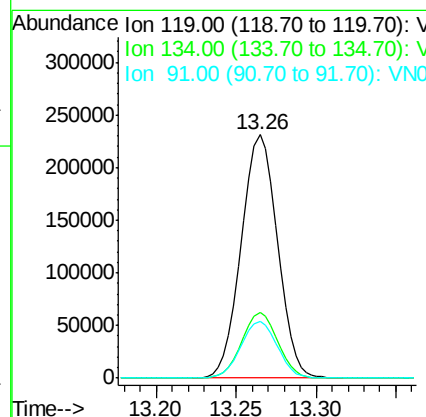
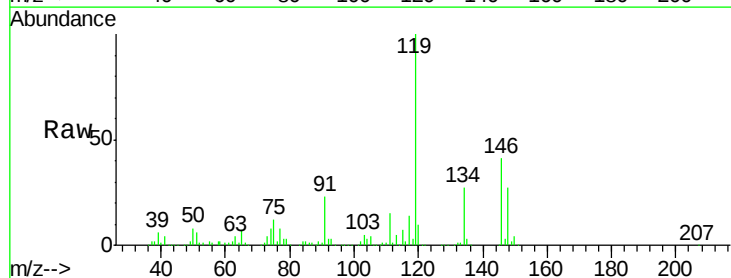
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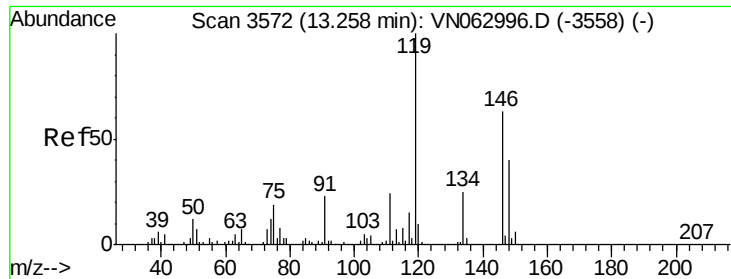
MMDadoda  
 8/21/2020 9:20:26 AM



#86  
 p-Isopropyltoluene  
 Concen: 50.913 ug/l  
 RT: 13.26 min Scan# 3574  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.9  | 13.1  | 39.3  |
| 91      | 23.6  | 11.5  | 34.4  |





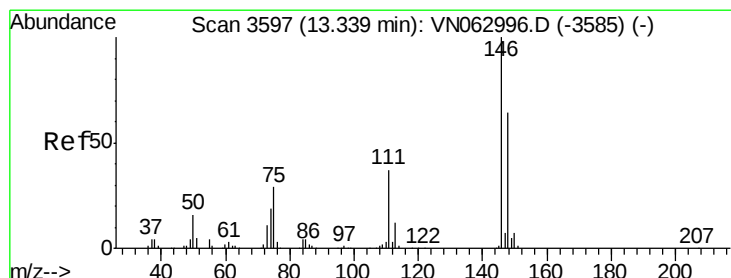
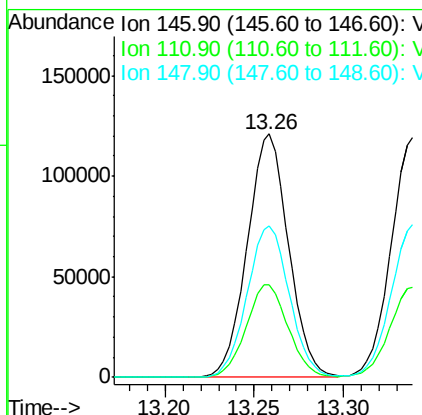
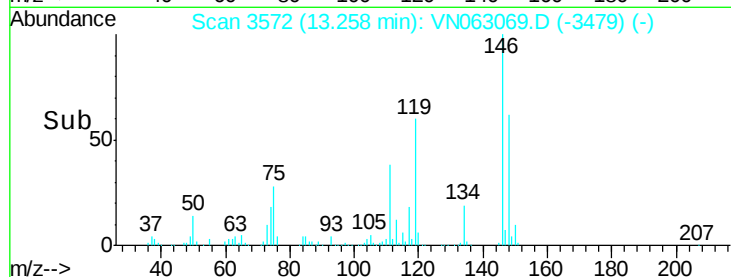
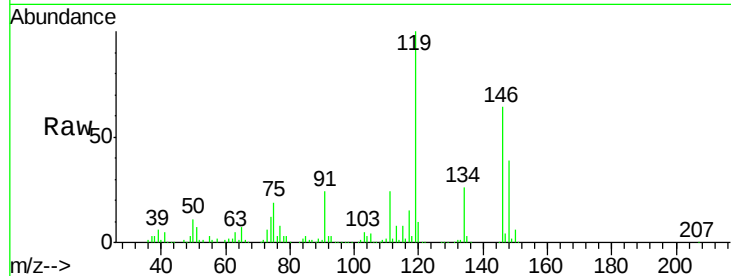
#87  
 1,3-Dichlorobenzene  
 Concen: 49.679 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 195425 |       |       |
| 111     | 38.8  | 19.4   | 58.1  |       |
| 148     | 63.7  | 32.0   | 96.0  |       |

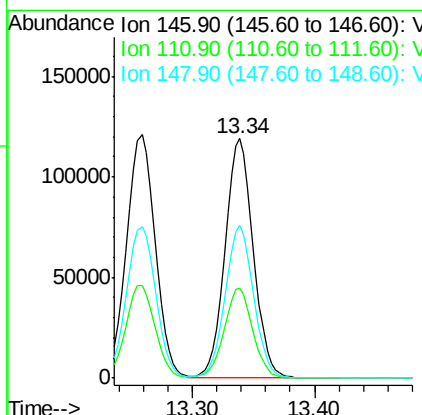
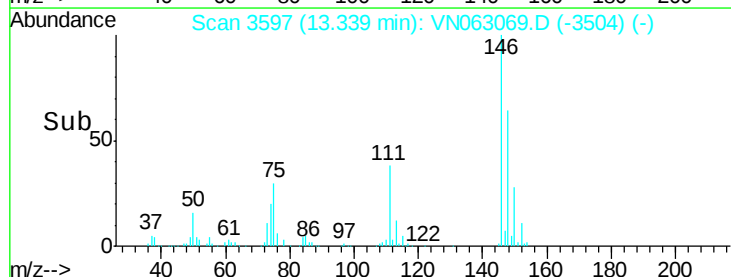
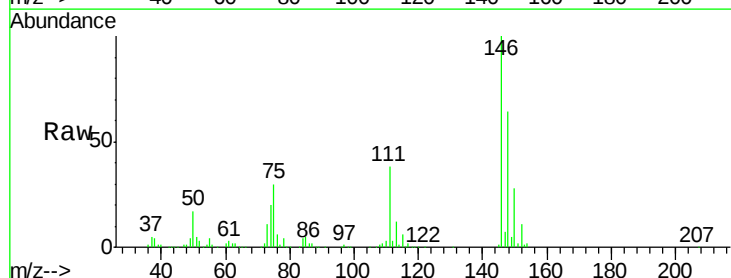
Manual Integrations  
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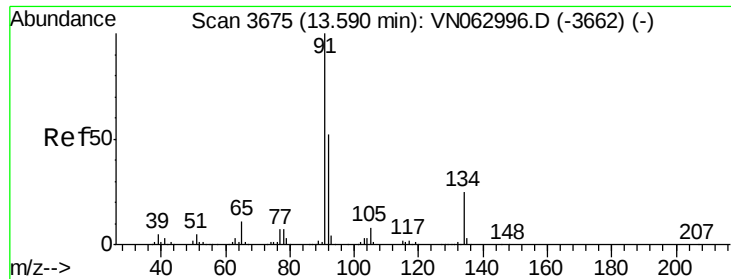
MMDadoda  
 8/21/2020 9:20:26 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 48.215 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 192507 |       |       |
| 111     | 38.0  | 18.8   | 56.4  |       |
| 148     | 64.6  | 32.4   | 97.0  |       |





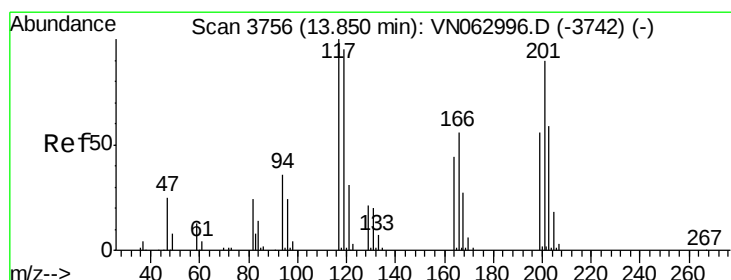
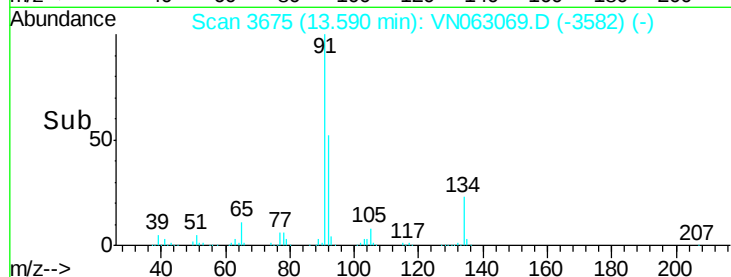
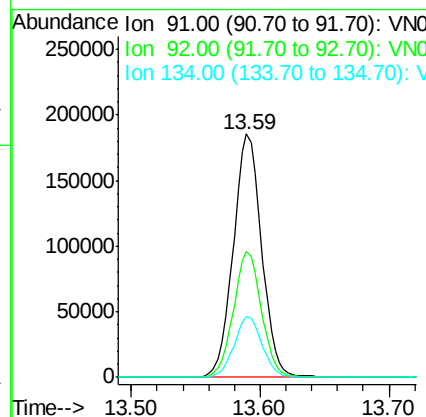
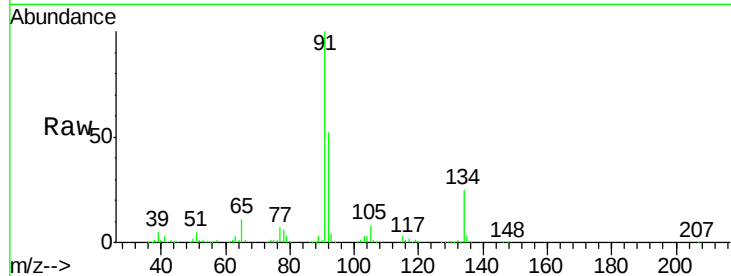
#89  
n-Butylbenzene  
Concen: 43.032 ug/l  
RT: 13.59 min Scan# 3675  
Delta R.T. 0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.2  | 25.9  | 77.6  |
| 134     | 24.7  | 12.4  | 37.0  |

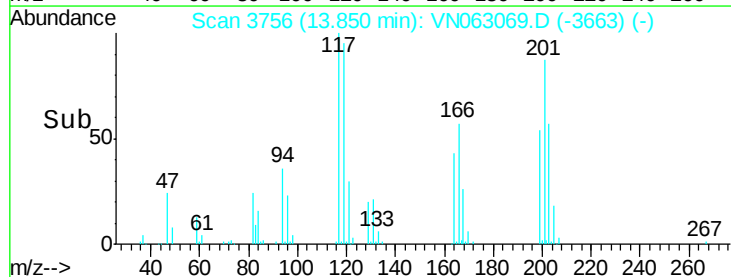
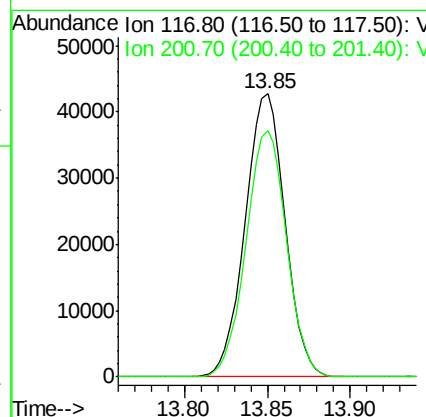
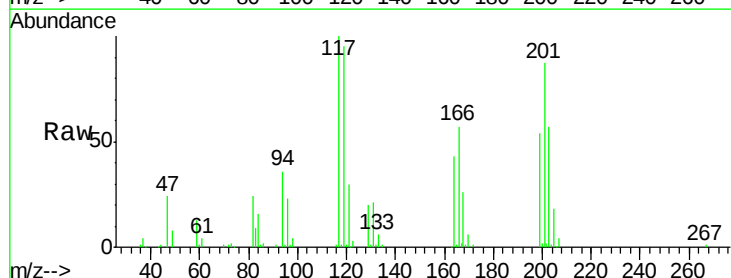
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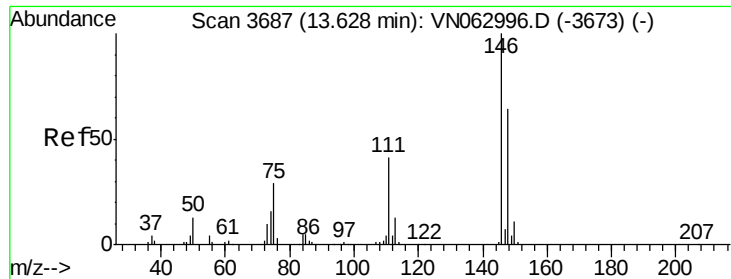
MMDadoda  
8/21/2020 9:20:26 AM



#90  
Hexachloroethane  
Concen: 48.259 ug/l  
RT: 13.85 min Scan# 3756  
Delta R.T. -0.00 min  
Lab File: VN063069.D  
Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.1  | 44.1  | 132.4 |





#91

1,2-Dichlorobenzene

Concen: 50.890 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

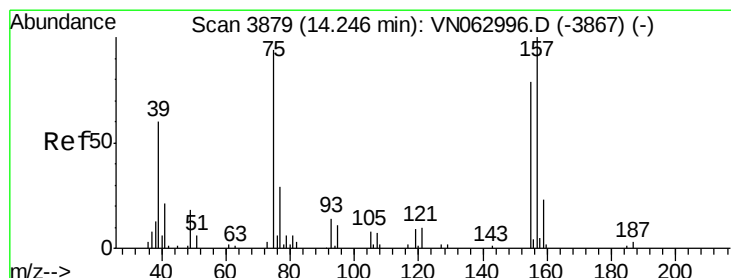
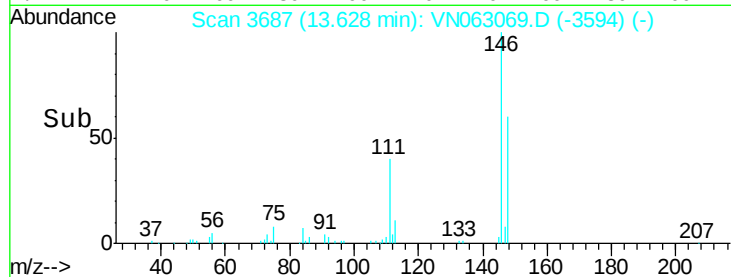
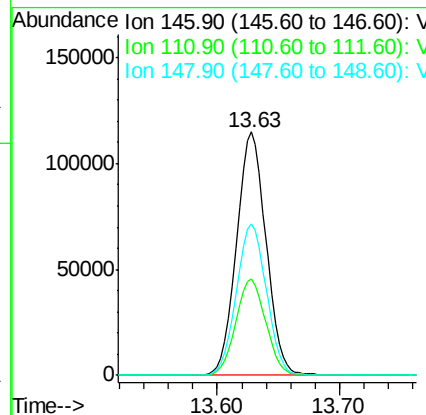
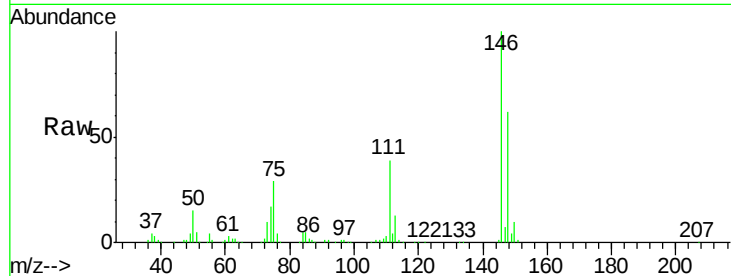
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 193373 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 40.0  | 20.2  | 60.5   |
| 148       | 63.3  | 31.9  | 95.5   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.729 ug/l

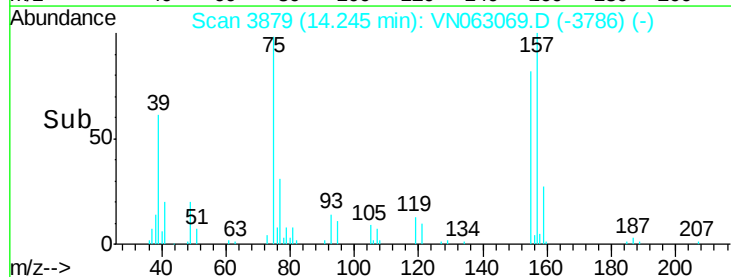
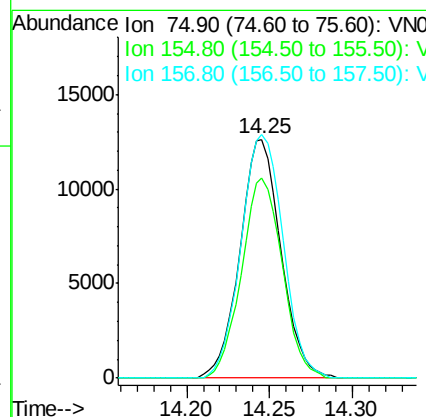
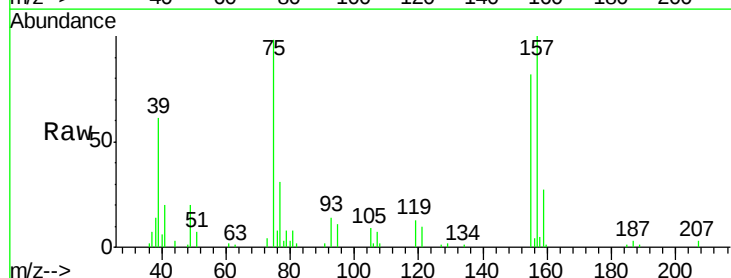
RT: 14.25 min Scan# 3879

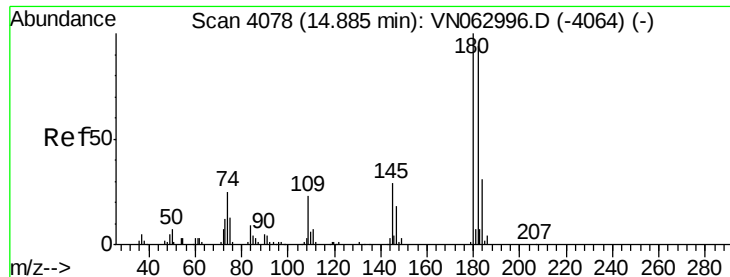
Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 21682 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 83.3  | 42.4  | 127.1 |
| 157       | 105.0 | 55.2  | 165.6 |





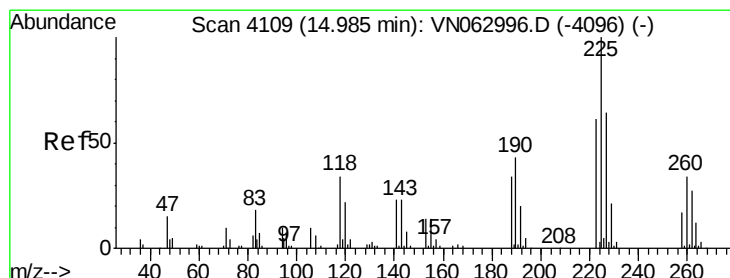
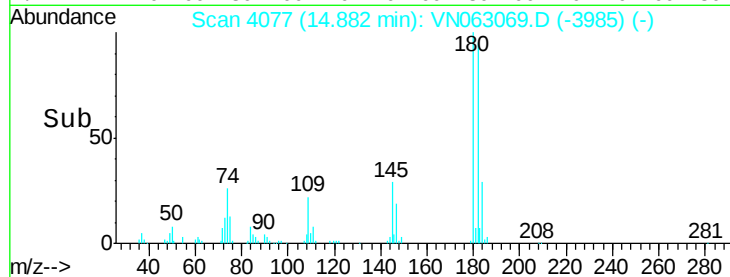
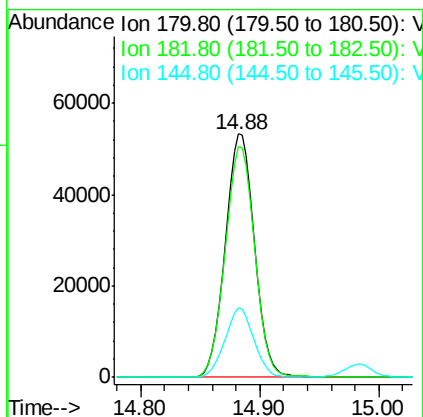
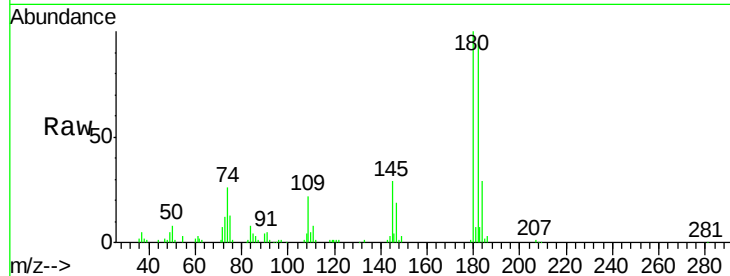
#93  
 1,2,4-Trichlorobenzene  
 Concen: 43.568 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 96.0  | 47.0 | 141.2 |       |
| 145     | 28.3  | 14.1 | 42.4  |       |

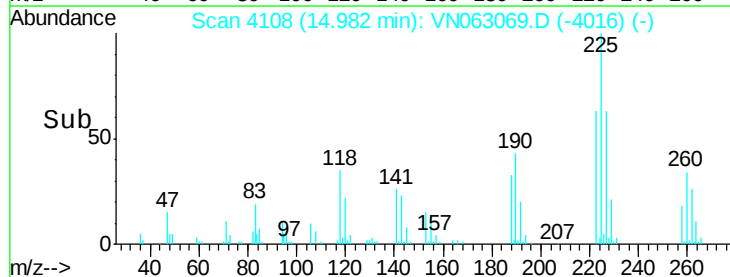
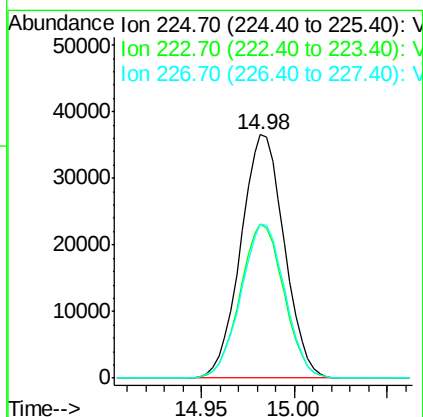
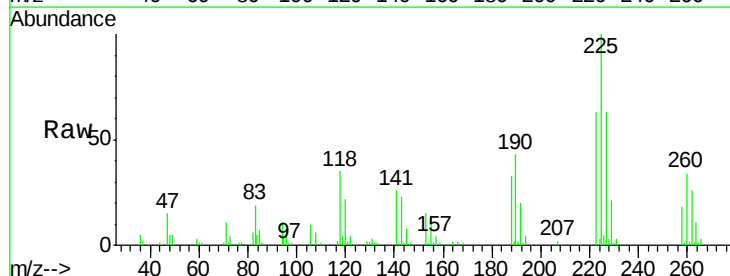
Manual Integrations  
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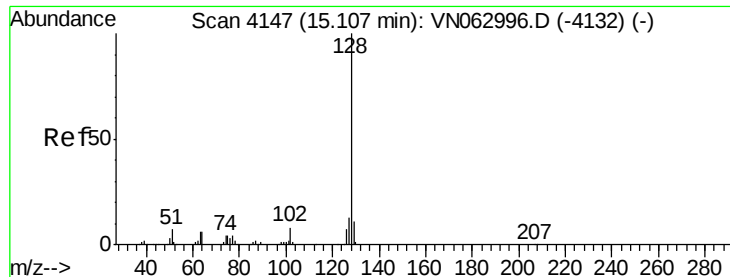
MMDadoda  
 8/21/2020 9:20:26 AM



#94  
 Hexachlorobutadiene  
 Concen: 42.552 ug/l  
 RT: 14.98 min Scan# 4108  
 Delta R.T. -0.00 min  
 Lab File: VN063069.D  
 Acq: 21 Aug 2020 5:42

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.6  | 30.9 | 92.5  |       |
| 227     | 63.7  | 31.9 | 95.9  |       |





#95

Naphthalene

Concen: 42.116 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

Instrument :

MSVOA\_N

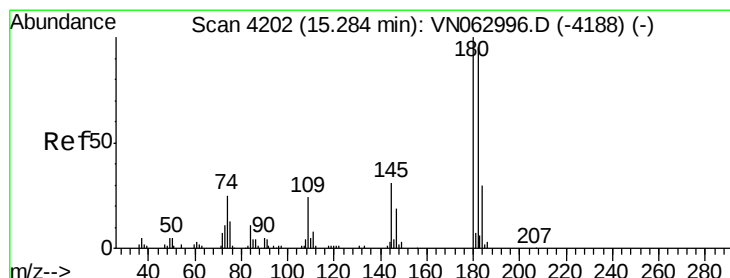
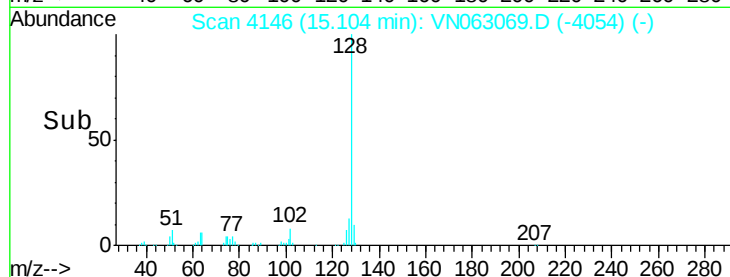
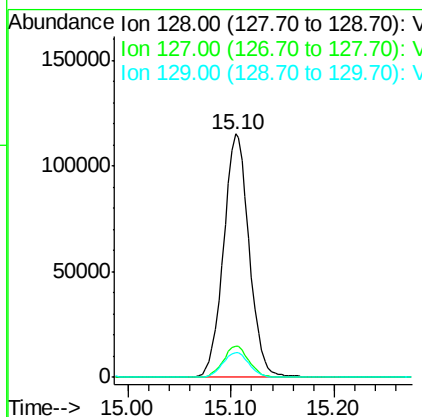
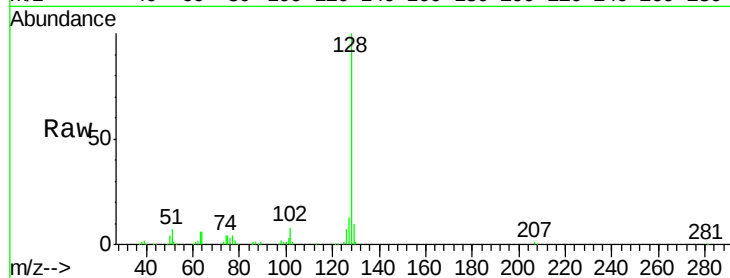
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 199360 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.6  | 16.0   |
| 129       | 10.5  | 8.9   | 13.3   |

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8/21/2020 9:20:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 43.514 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN063069.D

Acq: 21 Aug 2020 5:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 88694 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.2  | 47.3  | 141.9 |
| 145       | 30.5  | 15.6  | 46.7  |

