

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\  
 Data File : VN060068.D  
 Acq On : 12 Feb 2020 12:05  
 Operator : JC/MD  
 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 2/13/2020 10:37:05 AM

Quant Time: Feb 12 14:04:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 12:49:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 199169   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 310923   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 288273   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 138237   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65  | 46505    | 19.47 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 38.94% |      |
| 35) Dibromofluoromethane    | 7.57   | 113 | 36394    | 19.62 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 39.24% |      |
| 50) Toluene-d8              | 10.08  | 98  | 145280   | 19.75 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 39.50% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 50894    | 19.27 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 38.54% |      |

| Target Compounds              |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 41870  | 21.066  | ug/l   | 97     |
| 3) Chloromethane              | 2.04 | 50  | 47440  | 19.701  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 54654  | 20.004  | ug/l   | 99     |
| 5) Bromomethane               | 2.55 | 94  | 32283  | 17.816  | ug/l   | 94     |
| 6) Chloroethane               | 2.69 | 64  | 26782  | 19.481  | ug/l   | 93     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 68825  | 19.584  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.39 | 74  | 23084  | 20.126  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 37693  | 19.296  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 46581  | 21.162  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 35219  | 100.806 | ug/l # | 89     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 37197  | 19.904  | ug/l   | 98     |
| 13) Acrolein                  | 3.58 | 56  | 32769  | 97.105  | ug/l   | 96     |
| 14) Allyl chloride            | 4.30 | 41  | 53402  | 19.171  | ug/l   | 97     |
| 15) Acrylonitrile             | 4.94 | 53  | 87164  | 103.197 | ug/l   | 99     |
| 16) Acetone                   | 3.78 | 43  | 114684 | 128.850 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 108908 | 19.143  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.29 | 43  | 38073  | 19.706  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 121989 | 19.378  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.52 | 84  | 41066  | 19.423  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 40079  | 21.893  | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.92 | 45  | 116921 | 19.663  | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.86 | 43  | 497891 | 100.987 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 71438  | 19.451  | ug/l   | 100    |
| 25) 2-Butanone                | 6.80 | 43  | 136444 | 106.571 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 67923  | 19.414  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 46976  | 22.140  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.17 | 49  | 30598  | 23.840  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 80273  | 101.421 | ug/l   | 99     |
| 30) Chloroform                | 7.35 | 83  | 74640  | 19.386  | ug/l   | 100    |
| 31) Cyclohexane               | 7.63 | 56  | 66890  | 19.019  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 69008  | 19.667  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 56363  | 19.584  | ug/l   | 100    |
| 37) Ethyl Acetate             | 6.90 | 43  | 53275  | 21.081  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 61692  | 19.757  | ug/l   | 98     |

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 Operator : JC/MD  
 Sample : VSTDIC020  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDIC020

Manual Integrations  
 APPROVED

MMDadoda  
 2/13/2020 10:37:05 AM

Quant Time: Feb 12 14:04:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 12:49:56 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 70557    | 19.785  | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 166209   | 19.316  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.14  | 41   | 17094    | 10.312  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 59302    | 19.906  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 88275    | 20.352  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 46438    | 19.451  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 42474    | 20.125  | ug/l   | 97       |
| 46) Dibromomethane             | 9.19  | 93   | 29754    | 20.061  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.39  | 83   | 59804    | 19.873  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.18  | 41   | 37721    | 19.613  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 13898    | 430.662 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 256928   | 103.020 | ug/l   | 99       |
| 52) Toluene                    | 10.14 | 92   | 106006   | 19.525  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 67321    | 20.222  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 71785    | 20.174  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 41973    | 19.680  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 59232    | 20.876  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 68627    | 19.462  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 135301   | 101.144 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 199298   | 104.764 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.89 | 129  | 48120    | 20.165  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 43974    | 20.056  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.62 | 164  | 43567    | 19.266  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 114543   | 19.413  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 43858    | 19.860  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 205922   | 19.401  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 155648   | 39.405  | ug/l   | 99       |
| 69) o-Xylene                   | 11.94 | 106  | 74355    | 19.588  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 118466   | 20.117  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 34992    | 20.641  | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.25 | 105  | 203550   | 19.254  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 72482    | 20.095  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 60266    | 20.134  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 55408m   | 14.747  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 51130    | 19.647  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 228481   | 19.051  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 134381   | 18.983  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 170123   | 19.497  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 21037    | 20.251  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 138916   | 19.382  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 145312   | 18.519  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 169906   | 19.919  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 197582   | 19.249  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 178355   | 19.401  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 89740    | 19.744  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 88830    | 19.701  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 158350   | 19.888  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 33071    | 19.340  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 87319    | 19.391  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 12713    | 17.761  | ug/l   | 97       |

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Acq On : 12 Feb 2020 12:05  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Manual Integrations  
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2/13/2020 10:37:05 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 12:49:56 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 52692    | 20.998 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 30148    | 19.051 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 145233   | 21.931 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 52717    | 20.757 | ug/l  | 100      |

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

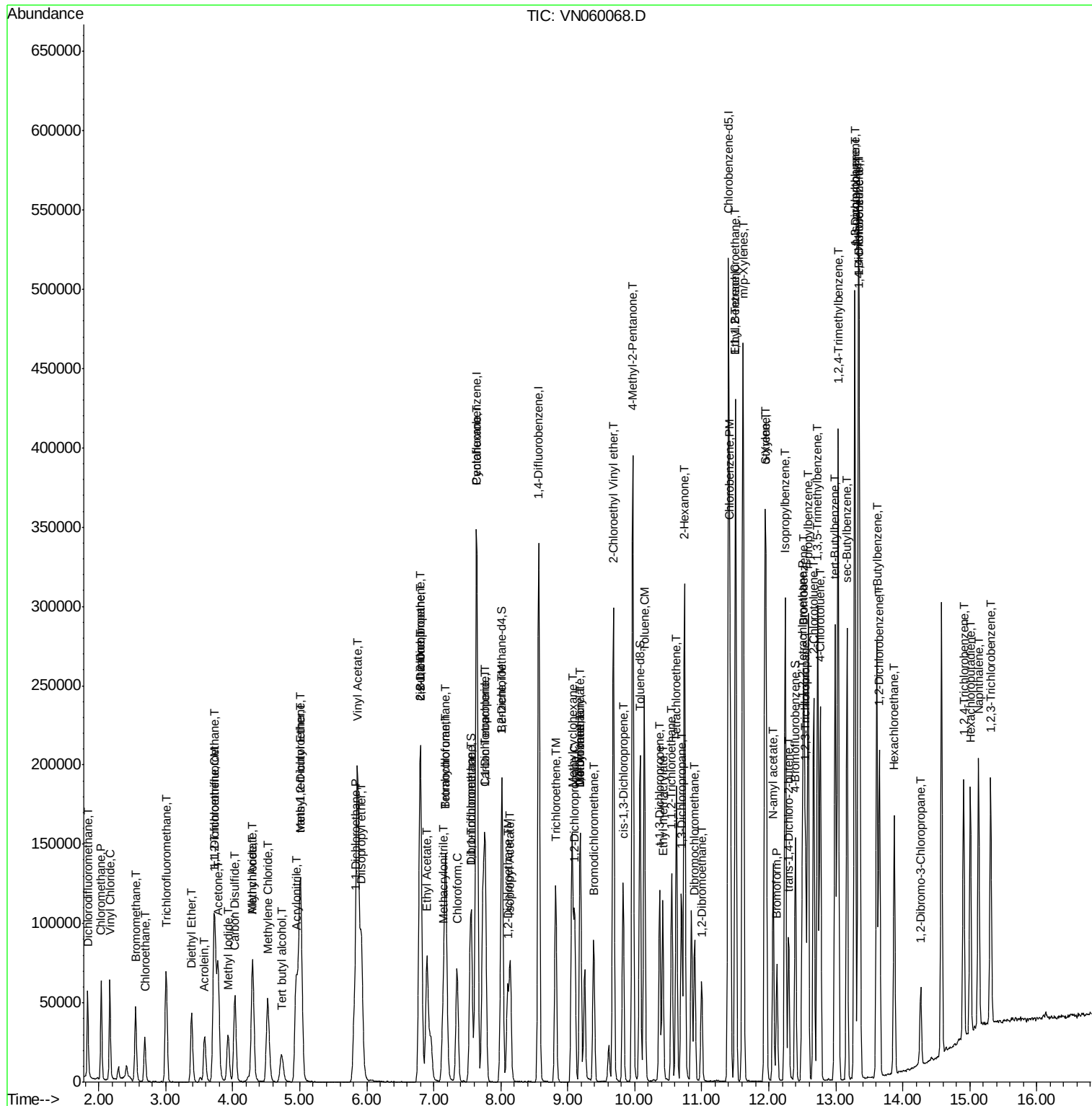
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Data File : VN060068.D  
Acq On : 12 Feb 2020 12:05  
Operator : JC/MD  
Sample : VSTDIC020  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

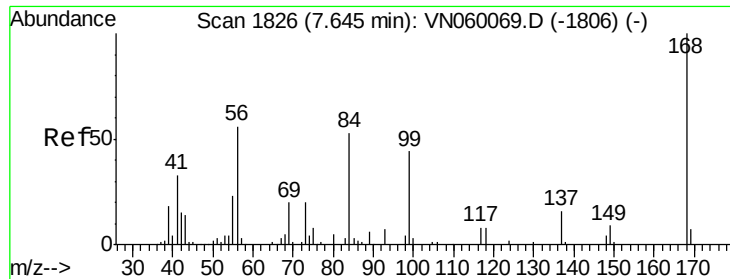
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

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MMDadoda  
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 199169

Ion Ratio Lower Upper

168 100

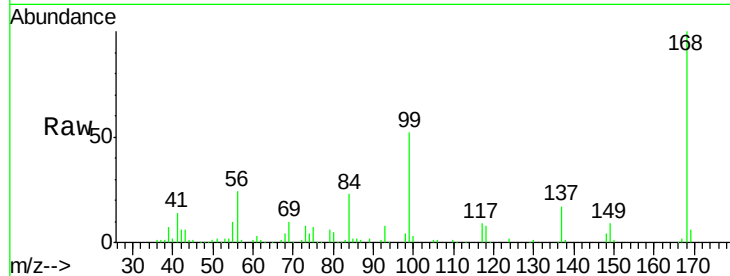
99 52.5 42.7 64.1

Manual Integrations

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2/13/2020 10:37:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

20000

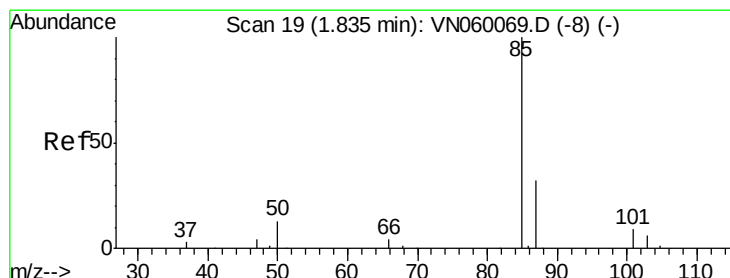
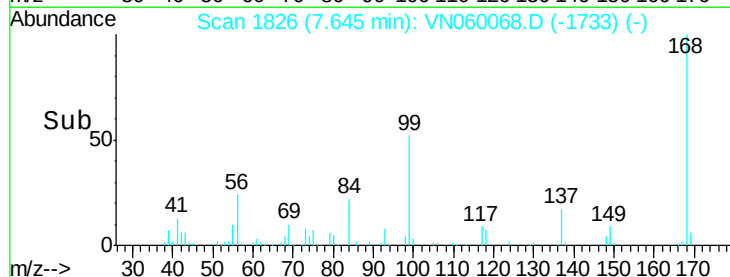
0

7.50

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: 21.066 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060068.D

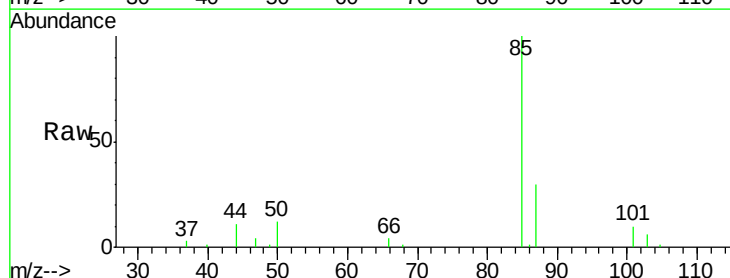
Acq: 12 Feb 2020 12:05

Tgt Ion: 85 Resp: 41870

Ion Ratio Lower Upper

85 100

87 30.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

20000

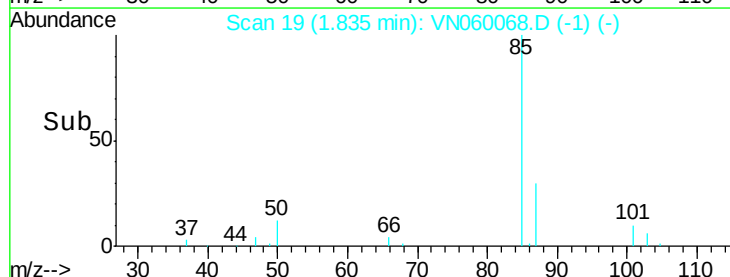
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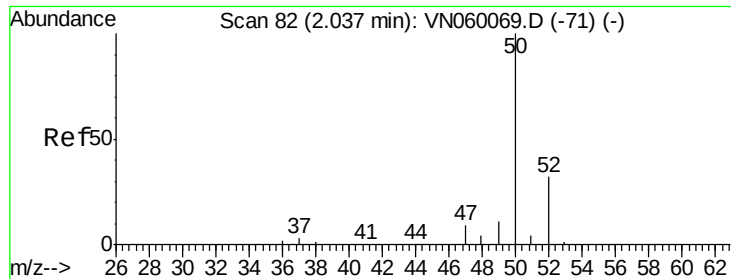
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1.80

1.85

1.90





#3

Chloromethane

Concen: 19.701 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 47440

Ion Ratio Lower Upper

50 100

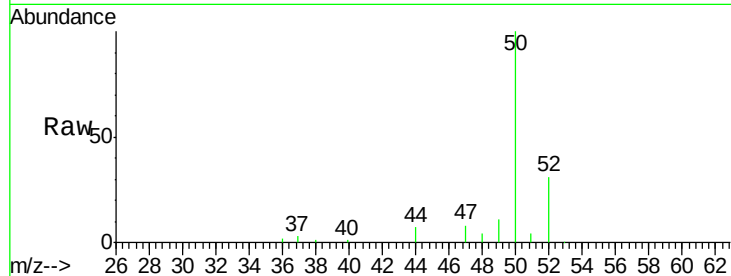
52 31.5 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:05 AM



Abundance Ion 49.90 (49.60 to 50.60): VN060069.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN060068.D (-29) (-)

2.04

40000

30000

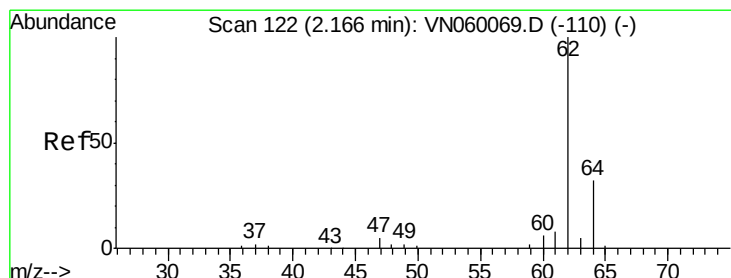
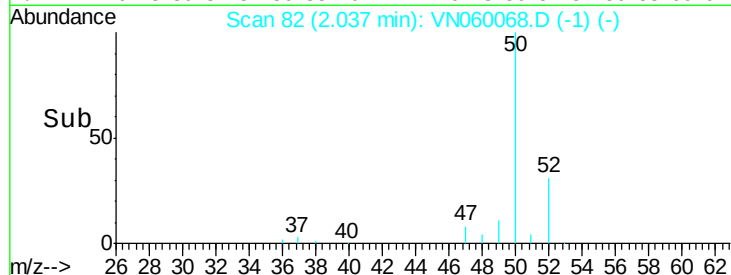
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10000

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Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 20.004 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060068.D

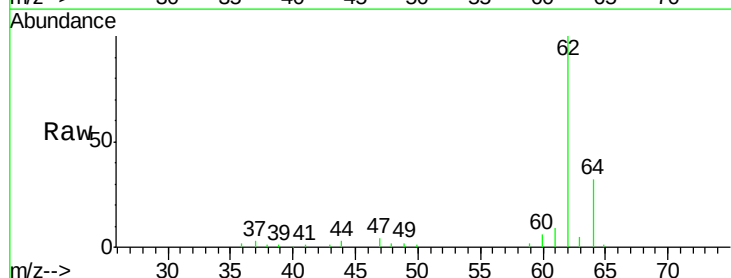
Acq: 12 Feb 2020 12:05

Tgt Ion: 62 Resp: 54654

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN060069.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN060068.D (-29) (-)

2.17

40000

30000

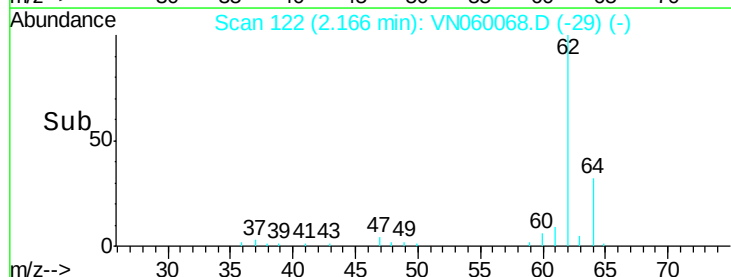
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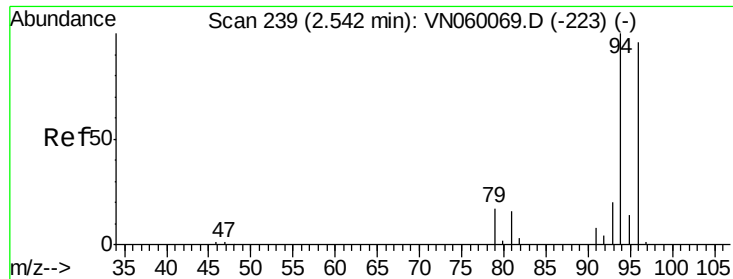
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Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 17.816 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 32283

Ion Ratio Lower Upper

94 100

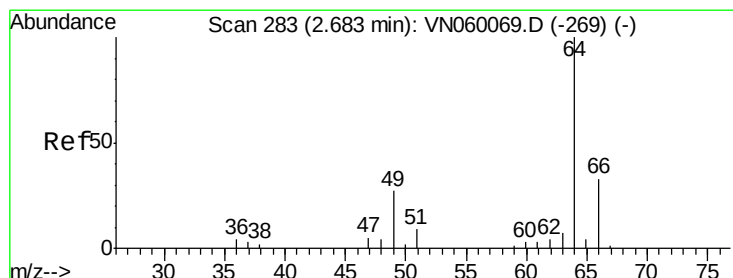
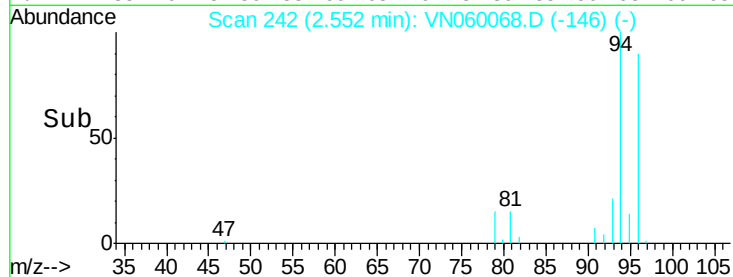
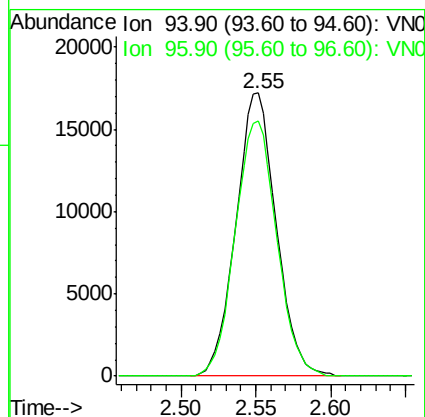
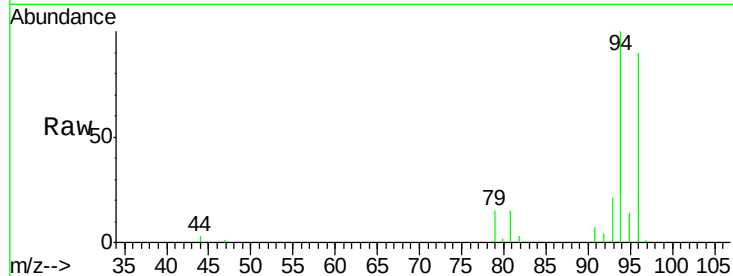
96 90.3 76.7 115.1

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:05 AM



#6

Chloroethane

Concen: 19.481 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060068.D

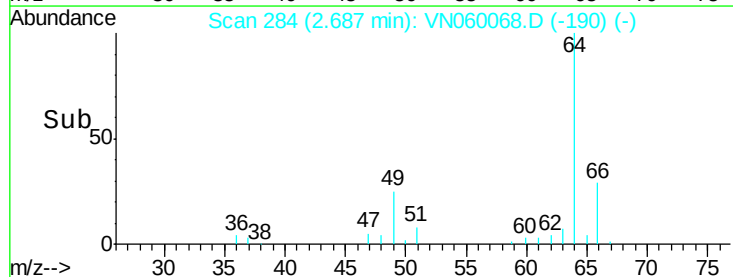
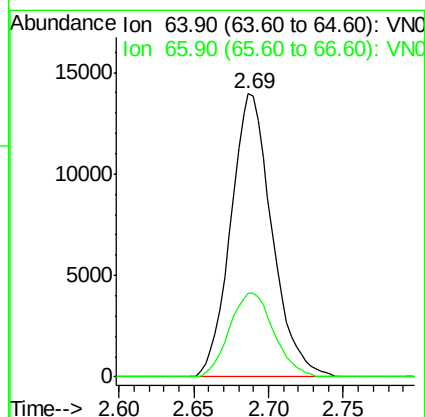
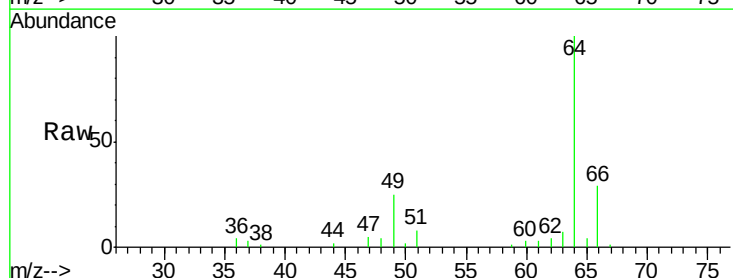
Acq: 12 Feb 2020 12:05

Tgt Ion: 64 Resp: 26782

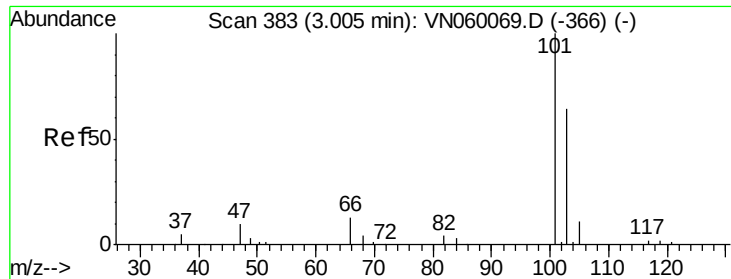
Ion Ratio Lower Upper

64 100

66 29.4 26.6 40.0







#7

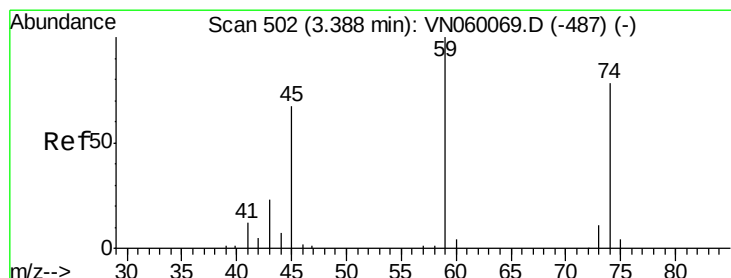
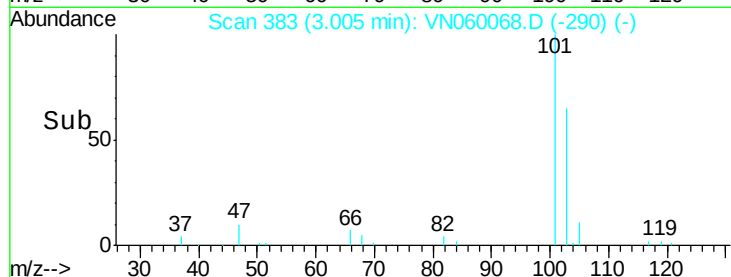
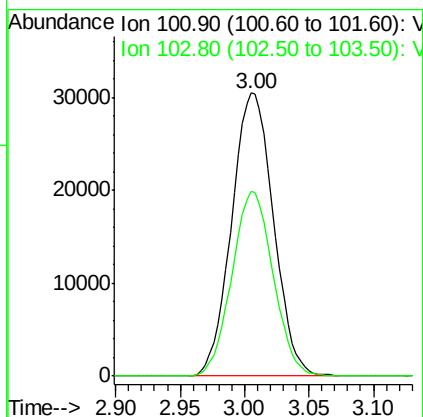
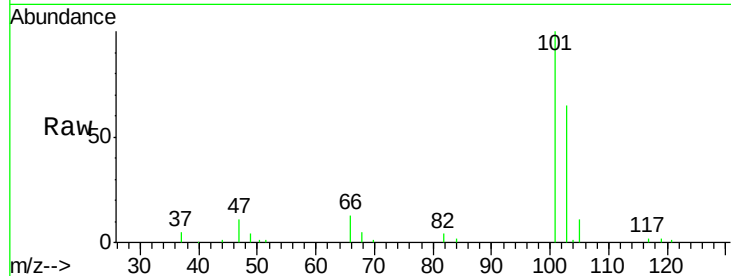
Trichlorofluoromethane  
Concen: 19.584 ug/l  
RT: 3.00 min Scan# 383  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 101     | 100  |       | 68825 |       |       |
| 103     | 65.2 | 51.0  | 76.6  |       |       |

Manual Integrations  
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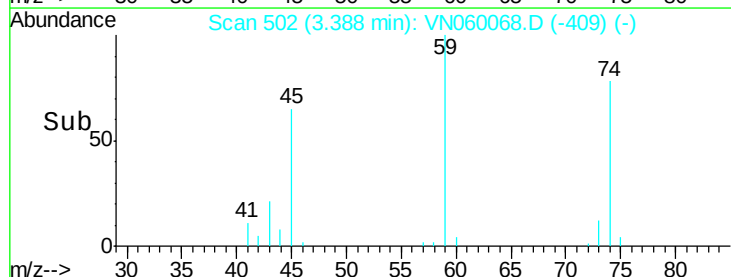
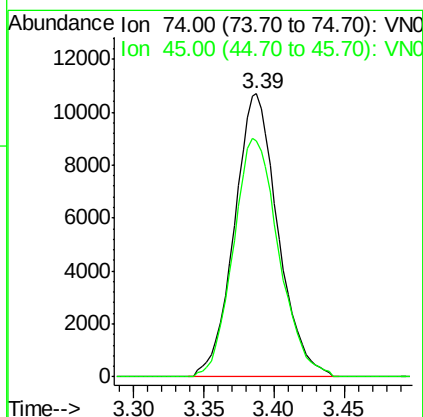
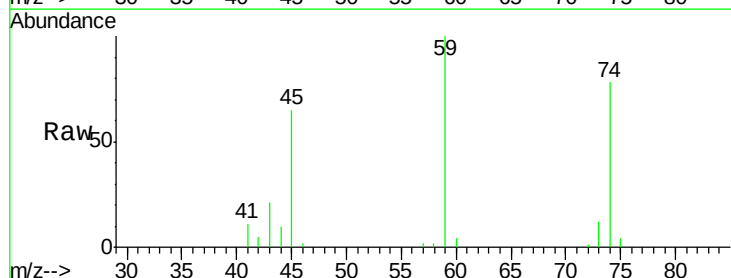
MMDadoda  
2/13/2020 10:37:05 AM



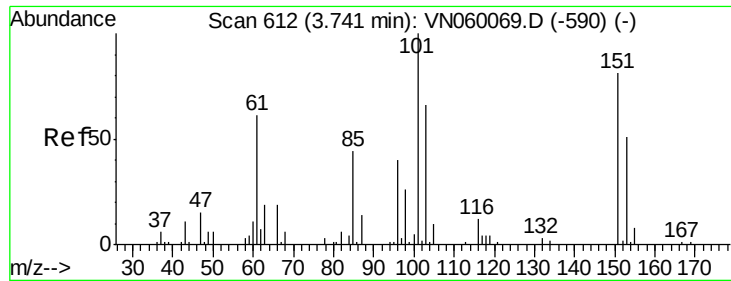
#8

Diethyl Ether  
Concen: 20.126 ug/l  
RT: 3.39 min Scan# 502  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 74      | 100  |       | 23084 |       |       |
| 45      | 87.8 | 44.7  | 134.1 |       |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.296 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

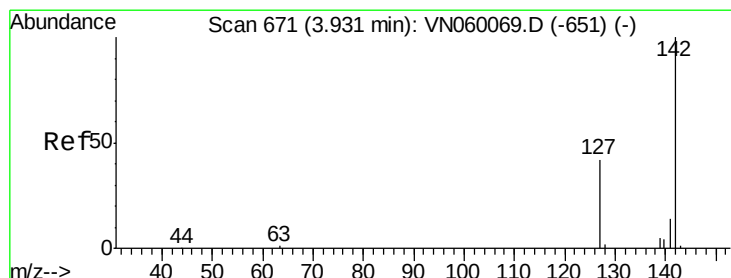
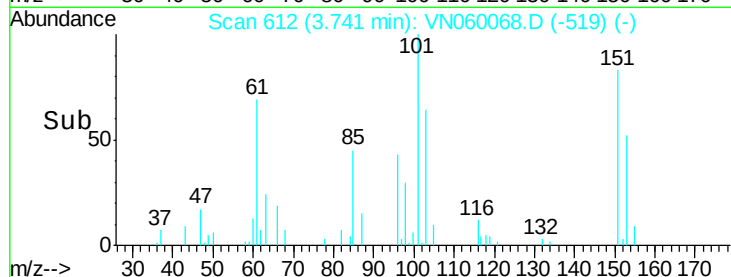
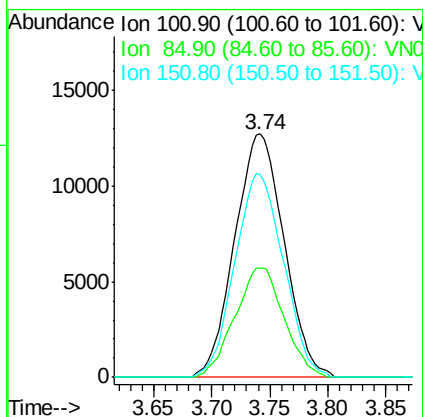
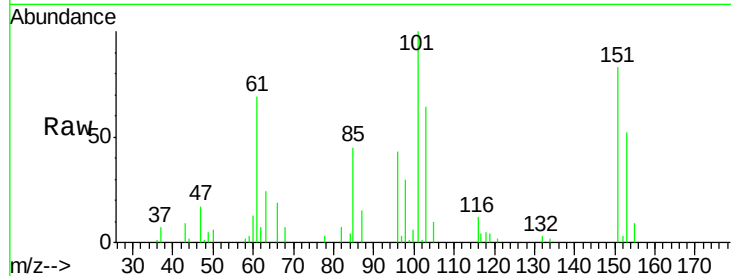
ClientSampled :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 37693 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.8  | 35.1  | 52.7  |
| 151       | 82.3  | 65.8  | 98.6  |

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:05 AM



#10

Methyl Iodide

Concen: 21.162 ug/l

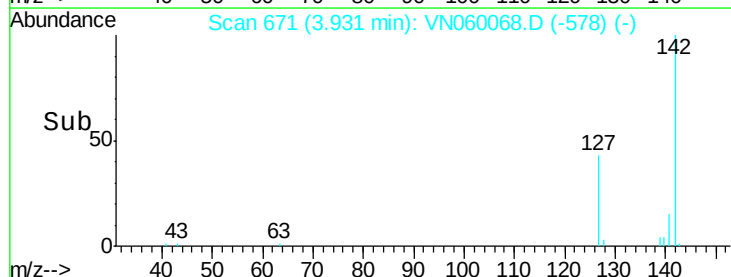
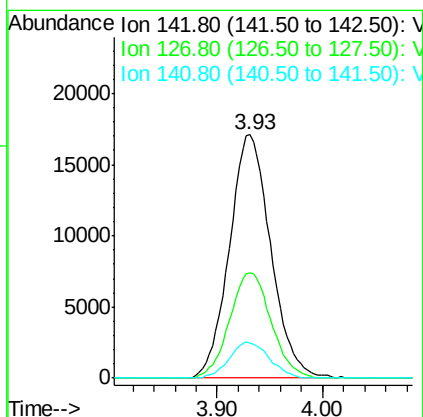
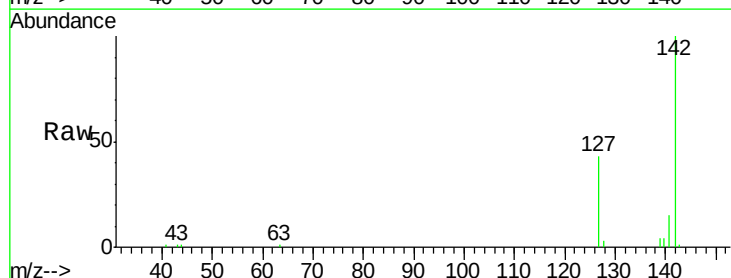
RT: 3.93 min Scan# 671

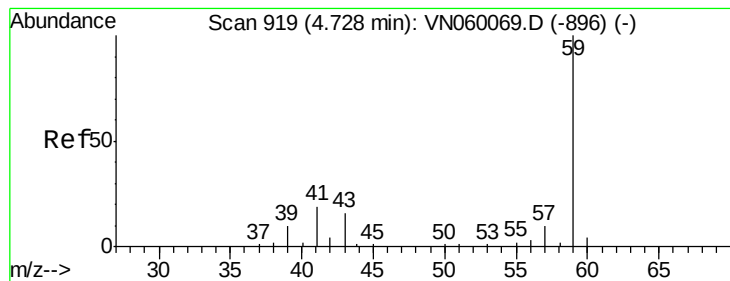
Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 46581 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.4  | 33.6  | 50.4  |
| 141       | 14.3  | 11.4  | 17.2  |





#11

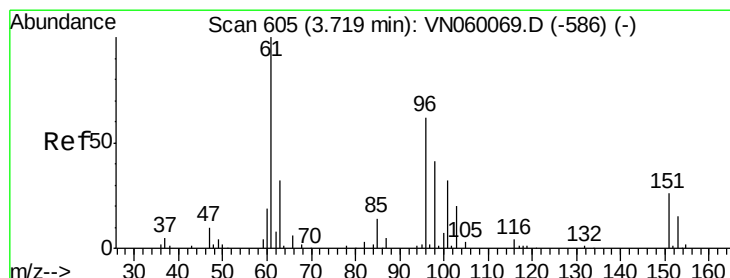
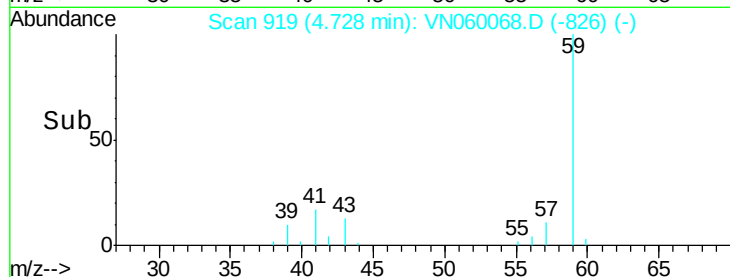
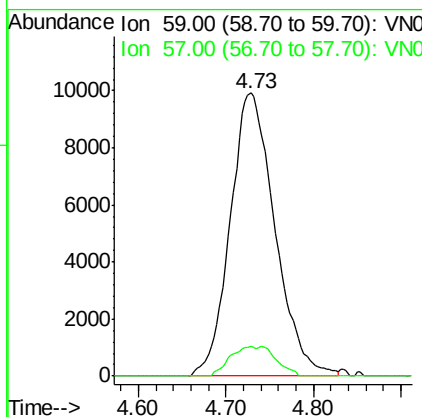
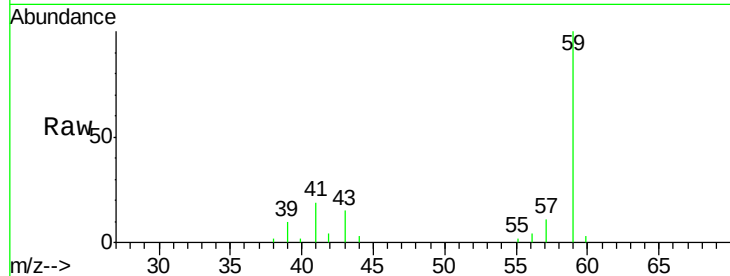
Tert butyl alcohol  
 Concen: 100.806 ug/l  
 RT: 4.73 min Scan# 919  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 6.1   | 8.2   | 12.4# |

Manual Integrations  
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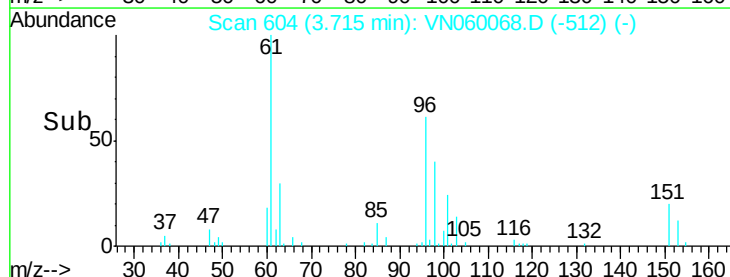
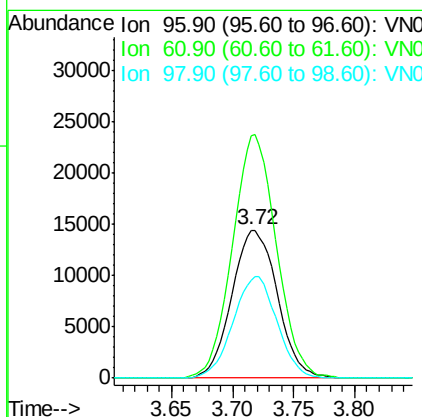
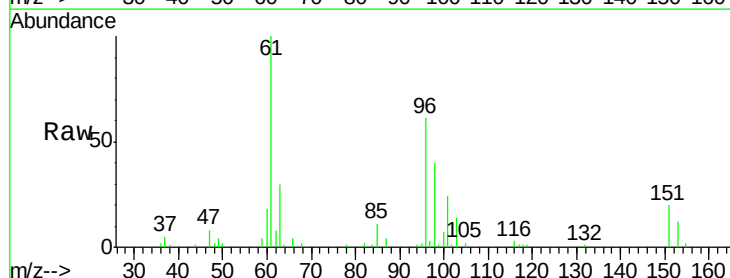
MMDadoda  
 2/13/2020 10:37:05 AM

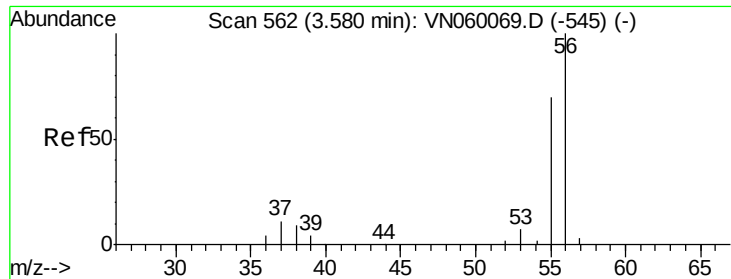


#12

1,1-Dichloroethene  
 Concen: 19.904 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. -0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 164.0 | 128.3 | 192.5 |
| 98      | 65.9  | 52.2  | 78.4  |





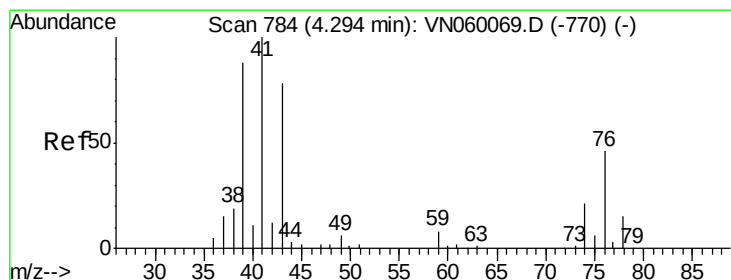
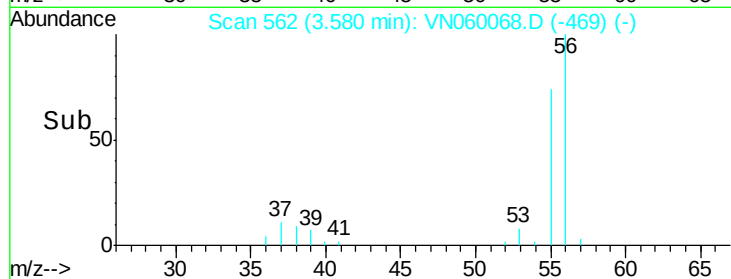
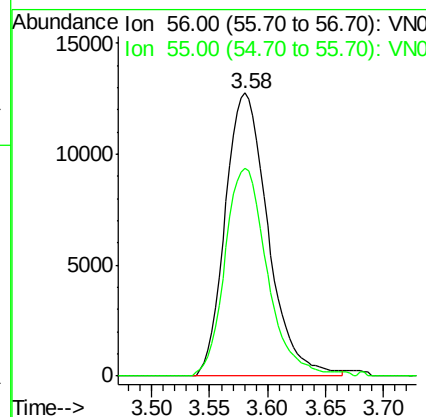
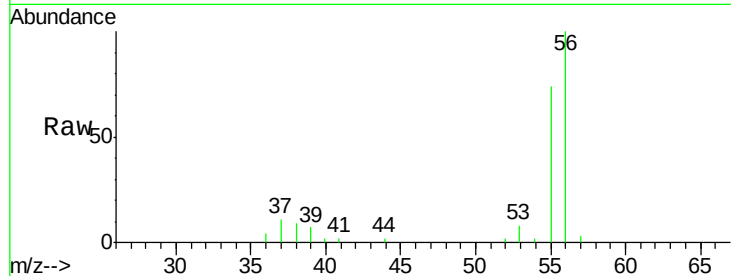
#13  
 Acrolein  
 Concen: 97.105 ug/l  
 RT: 3.58 min Scan# 562  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

| Tot Ion   | 56   | Resp  | 32769 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 55        | 72.0 | 54.8  | 82.2  |

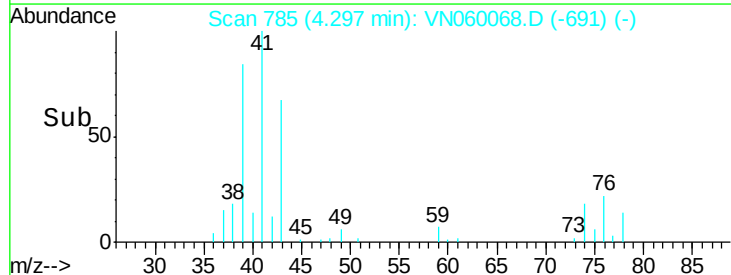
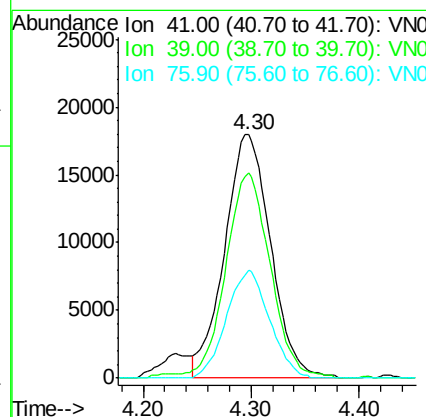
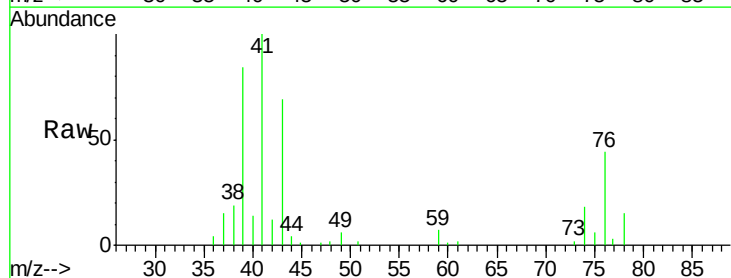
Manual Integrations  
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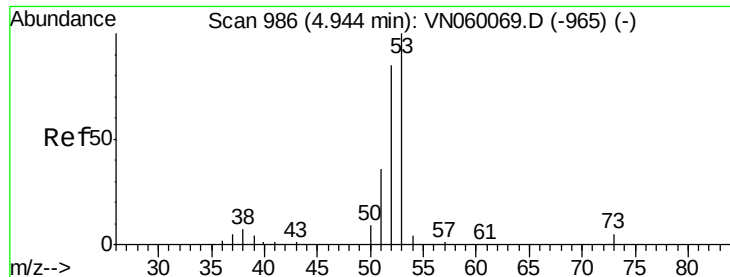
MMDadoda  
 2/13/2020 10:37:05 AM



#14  
 Allyl chloride  
 Concen: 19.171 ug/l  
 RT: 4.30 min Scan# 785  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

| Tgt Ion   | 41   | Resp  | 53402 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 39        | 81.4 | 67.8  | 101.8 |
| 76        | 41.2 | 33.9  | 50.9  |





#15

Acrylonitrile

Concen: 103.197 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

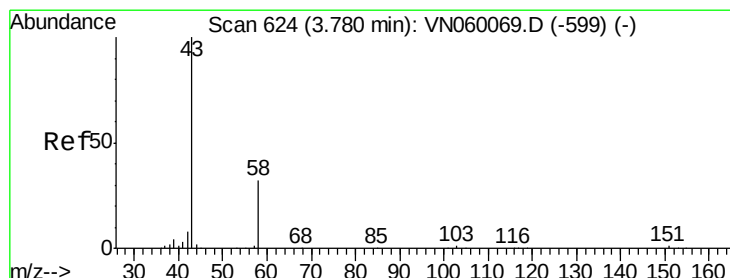
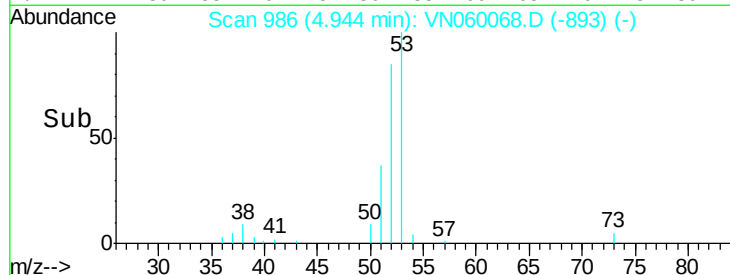
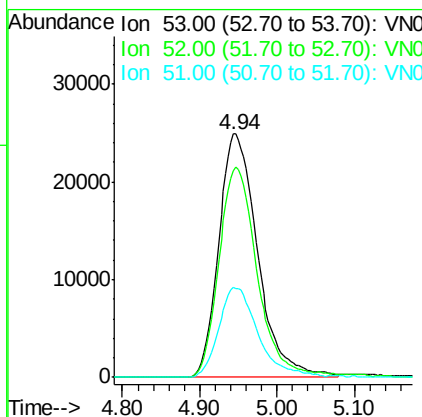
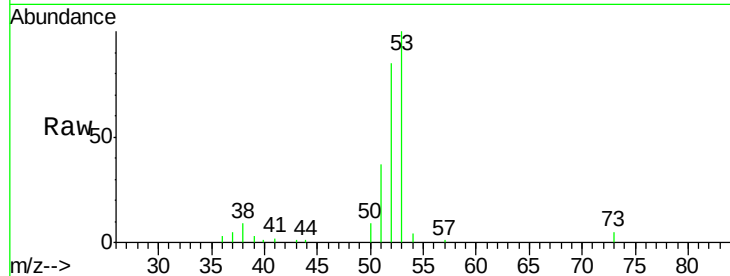
ClientSampled :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 87164 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 84.0  | 66.8  | 100.2 |
| 51       | 37.4  | 29.4  | 44.0  |

Manual Integrations  
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#16

Acetone

Concen: 128.850 ug/l

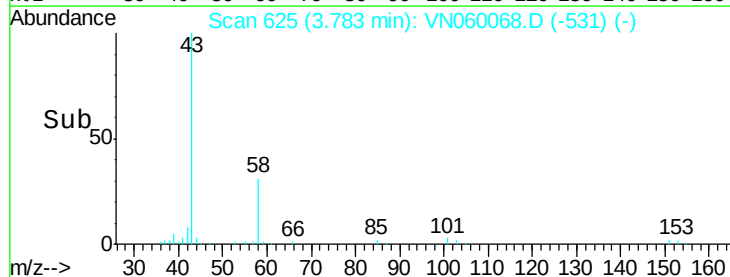
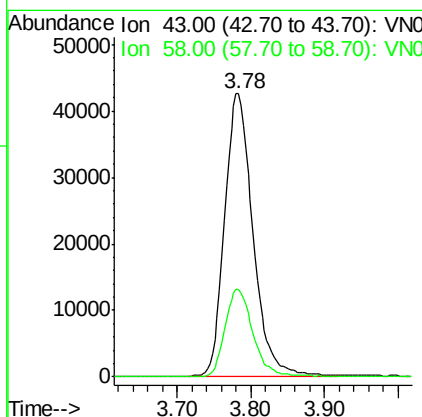
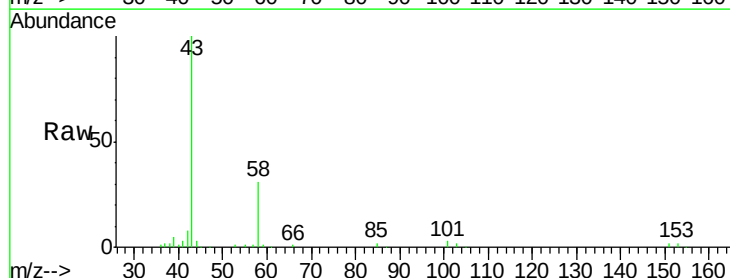
RT: 3.78 min Scan# 625

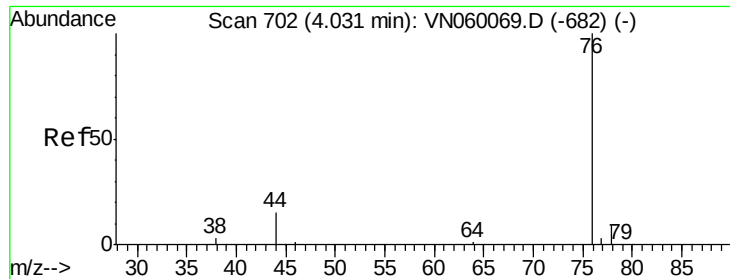
Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 114684 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.8  | 25.2  | 37.8   |





#17

Carbon Disulfide

Concen: 19.143 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Tot Ion: 76 Resp: 108908

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

Instrument :

MSVOA\_N

ClientSampled :

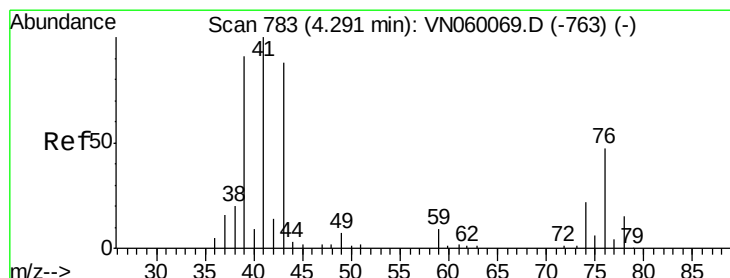
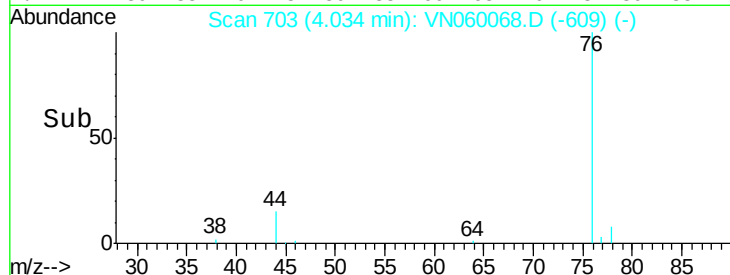
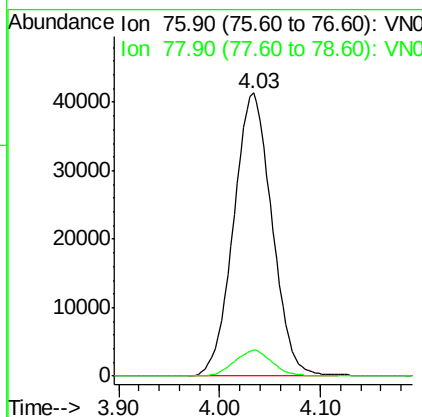
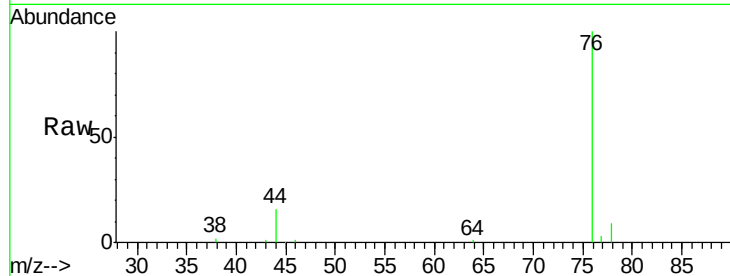
VSTDIC020

Manual Integrations

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MMDadoda

2/13/2020 10:37:05 AM



#18

Methyl Acetate

Concen: 19.706 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060068.D

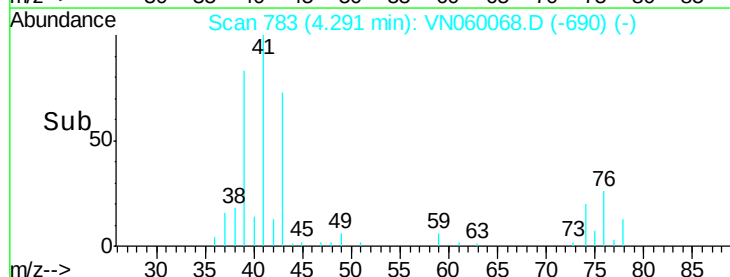
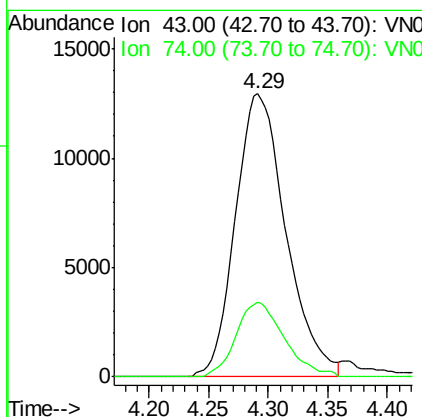
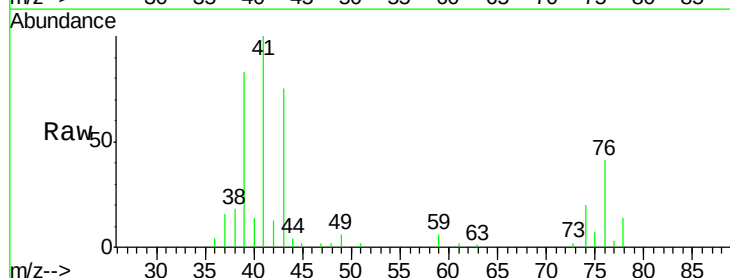
Acq: 12 Feb 2020 12:05

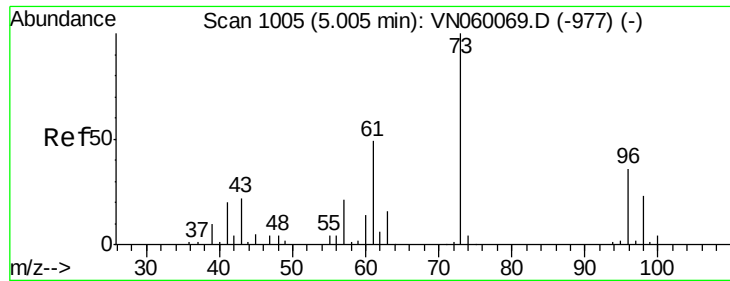
Tgt Ion: 43 Resp: 38073

Ion Ratio Lower Upper

43 100

74 25.3 20.3 30.5





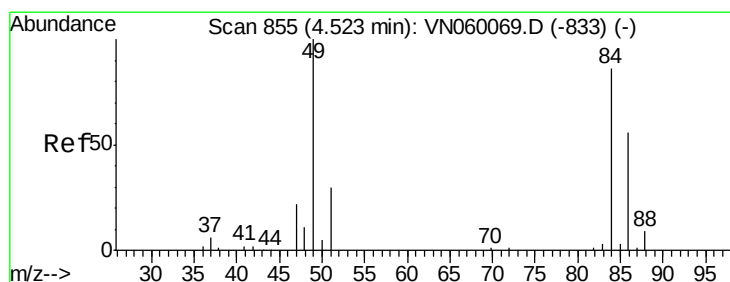
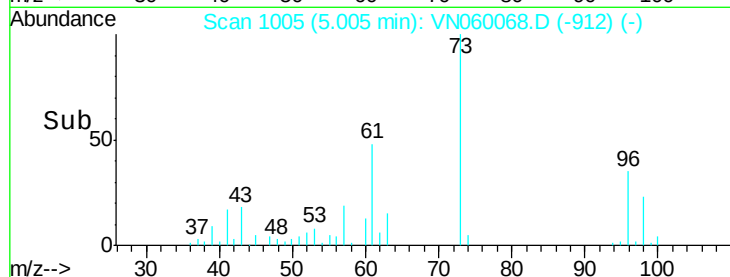
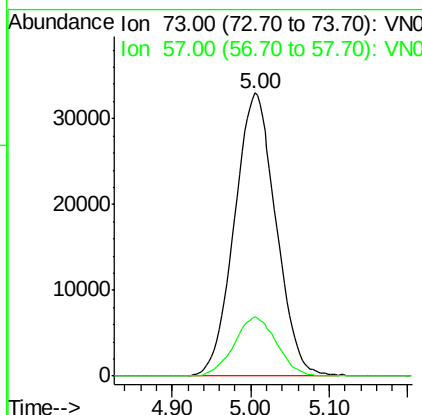
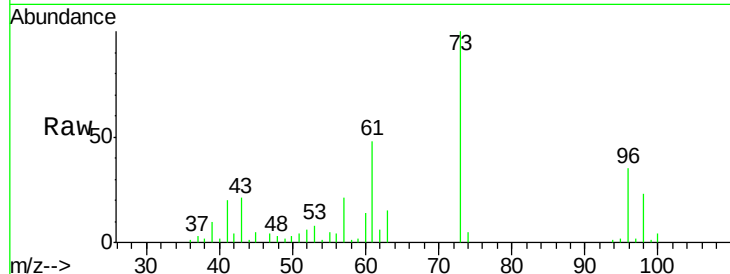
#19  
Methvl tert-butvl Ether  
Concen: 19.378 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion: 73 Resp: 121989  
Ion Ratio Lower Upper  
73 100  
57 20.8 17.2 25.8

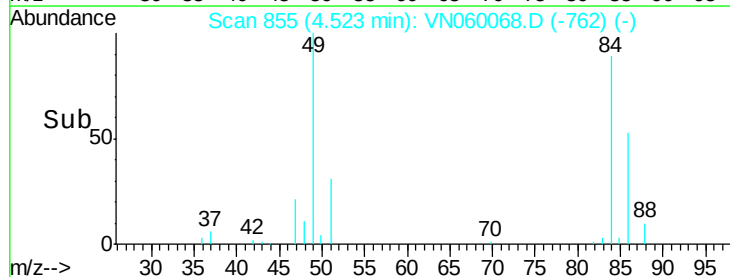
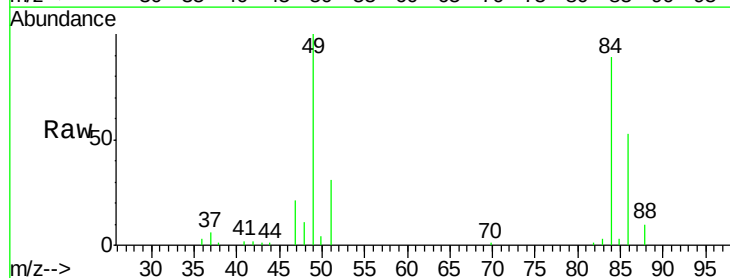
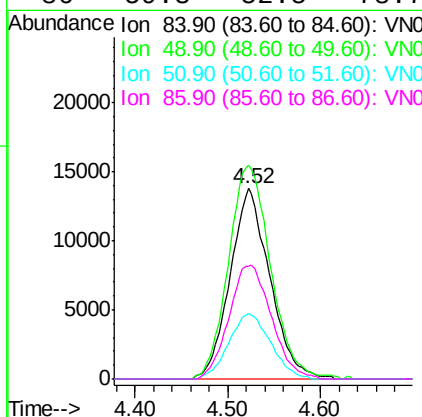
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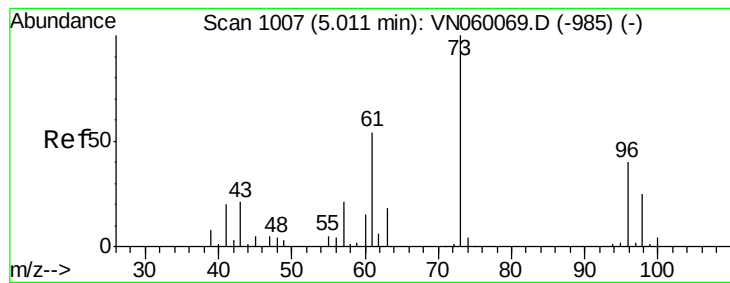
MMDadoda  
2/13/2020 10:37:05 AM



#20  
Methylene Chloride  
Concen: 19.423 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Tgt Ion: 84 Resp: 41066  
Ion Ratio Lower Upper  
84 100  
49 112.1 93.4 140.0  
51 34.2 28.4 42.6  
86 59.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 21.893 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 40079

Ion Ratio Lower Upper

96 100

61 137.5 109.3 163.9

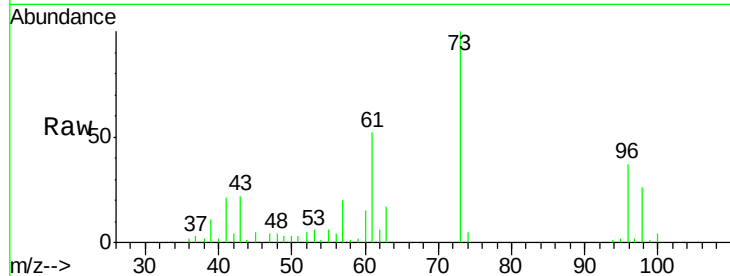
98 69.1 51.0 76.6

Manual Integrations

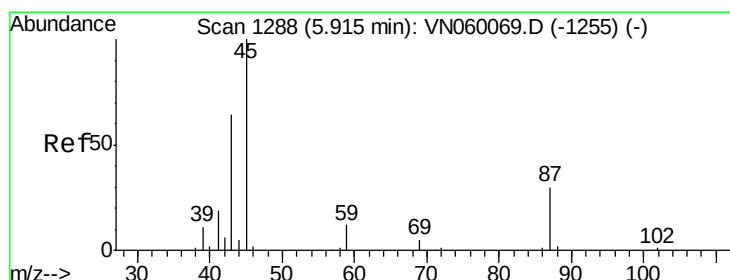
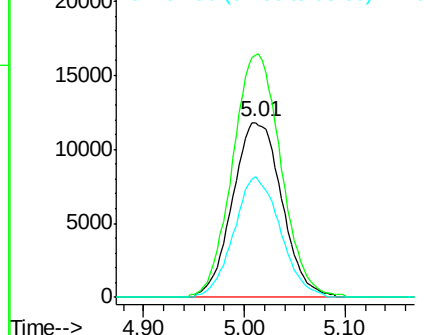
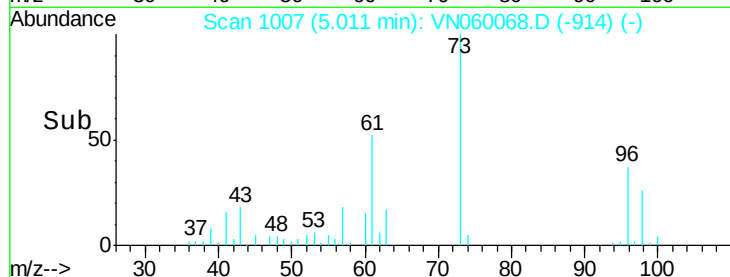
APPROVED

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Abundance Ion 95.90 (95.60 to 96.60): VN060068.D (-914) (-)



#22

Diisopropyl ether

Concen: 19.663 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Tgt Ion: 45 Resp: 116921

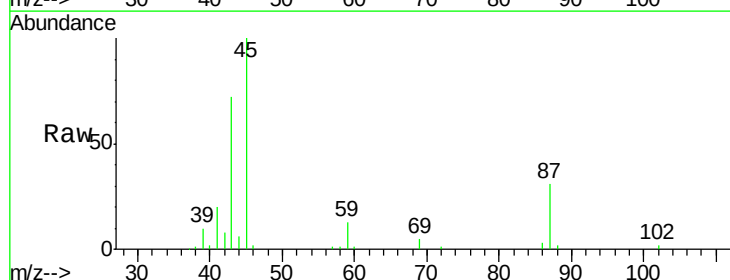
Ion Ratio Lower Upper

45 100

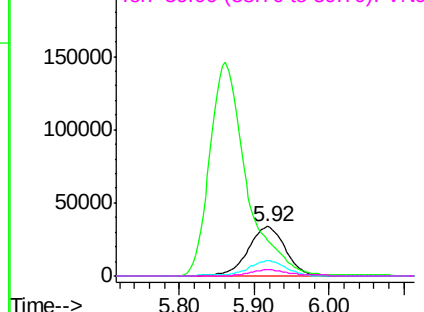
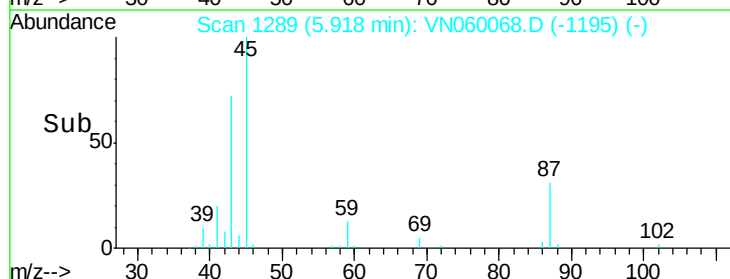
43 69.4 55.9 83.9

87 31.1 24.5 36.7

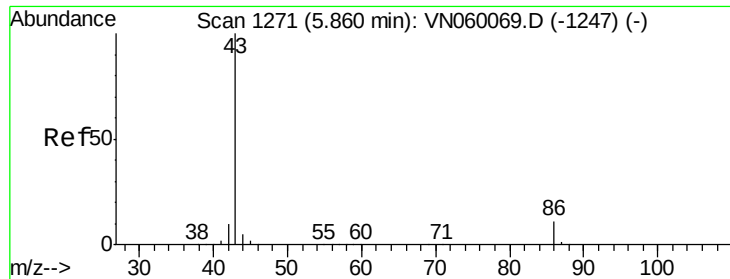
59 12.7 9.9 14.9



Abundance Ion 45.00 (44.70 to 45.70): VN060068.D (-1195) (-)







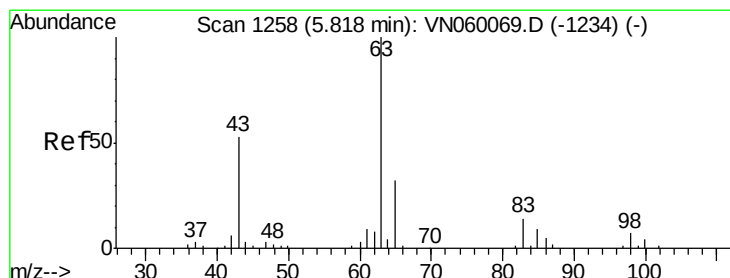
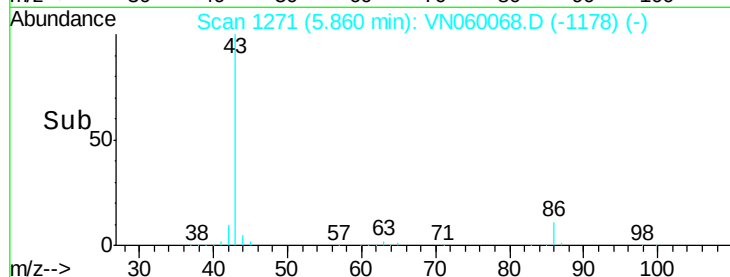
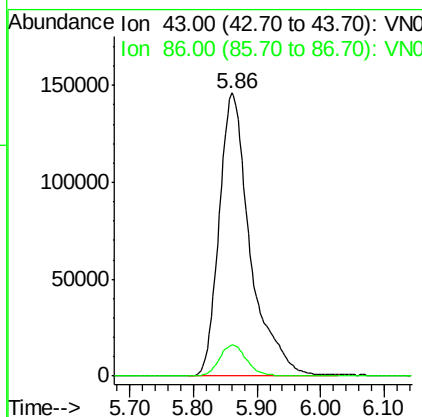
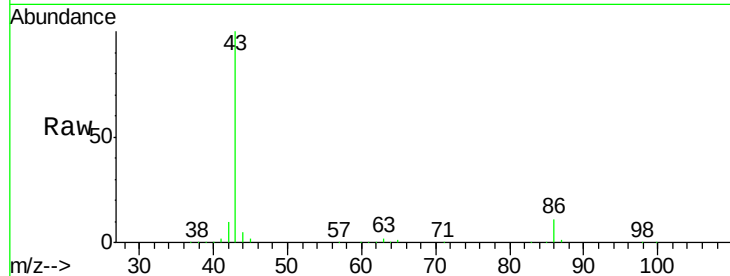
#23  
 Vinyl Acetate  
 Concen: 100.987 ug/l  
 RT: 5.86 min Scan# 1271  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion   | 43   | Resp  | 497891 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 86        | 11.0 | 8.9   | 13.3   |

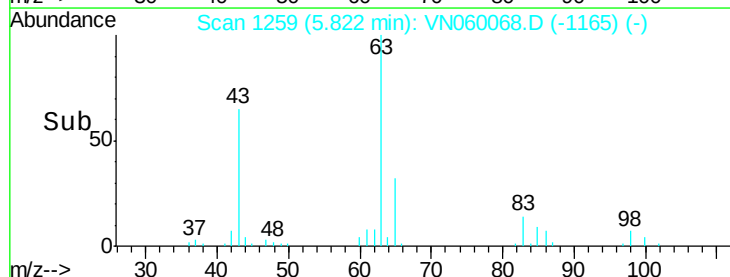
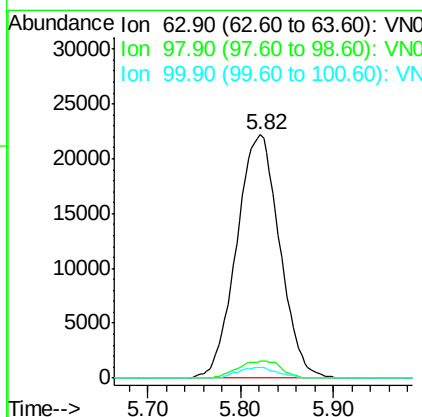
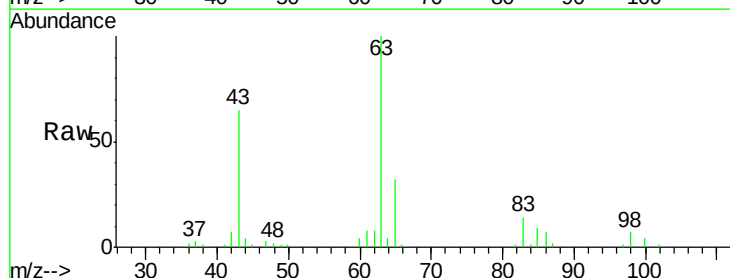
Manual Integrations  
 APPROVED

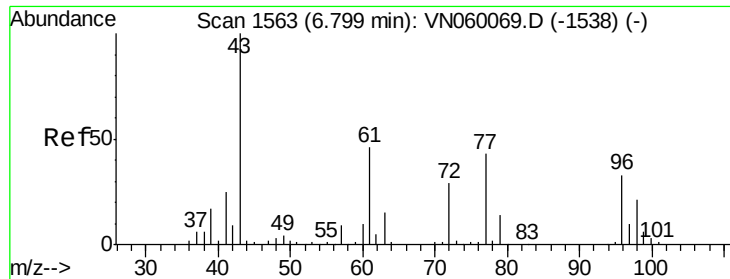
MMDadoda  
 2/13/2020 10:37:05 AM



#24  
 1,1-Dichloroethane  
 Concen: 19.451 ug/l  
 RT: 5.82 min Scan# 1259  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

| Tgt Ion   | 63  | Resp  | 71438 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 63        | 100 |       |       |
| 98        | 7.0 | 3.5   | 10.5  |
| 100       | 4.3 | 2.2   | 6.6   |





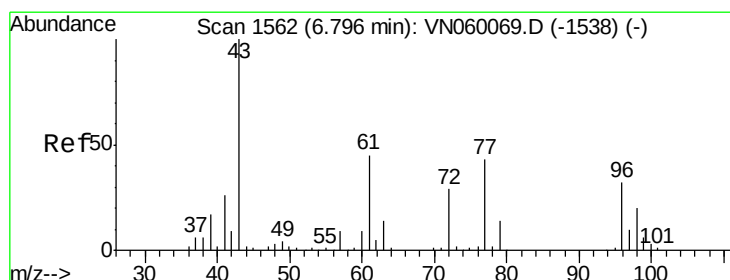
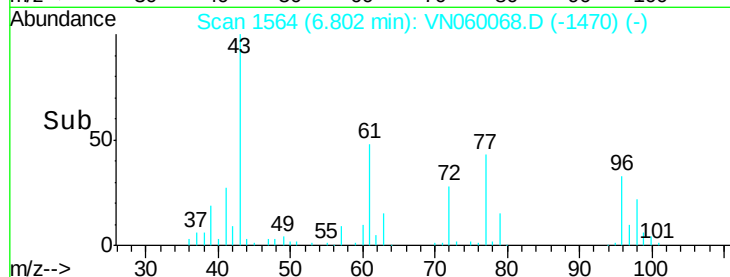
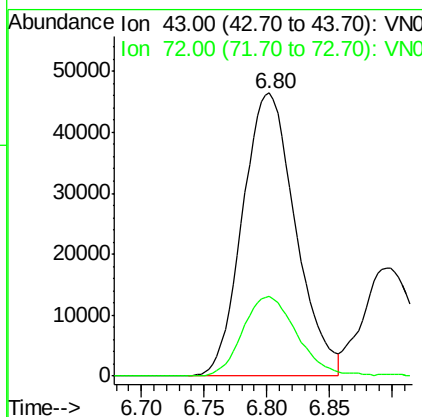
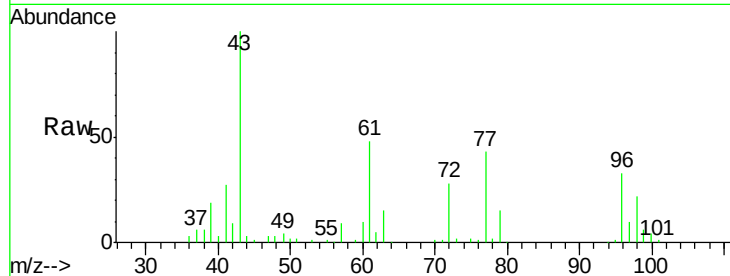
#25  
2-Butanone  
Concen: 106.571 ug/l  
RT: 6.80 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

Tot Ion: 43 Resp: 136444  
Ion Ratio Lower Upper  
43 100  
72 28.0 23.3 34.9

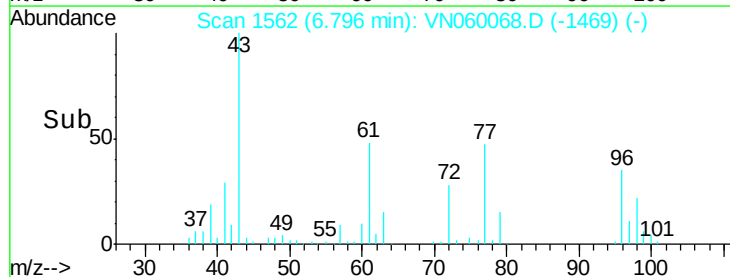
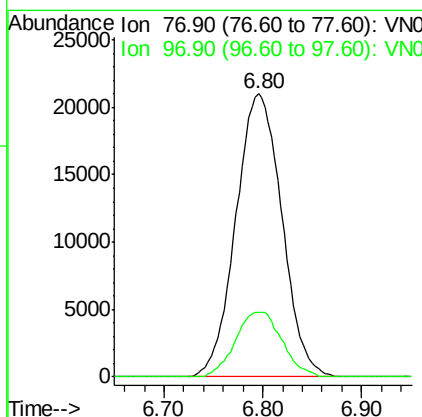
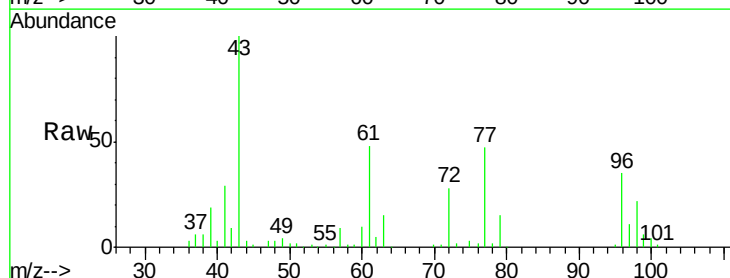
Manual Integrations  
APPROVED

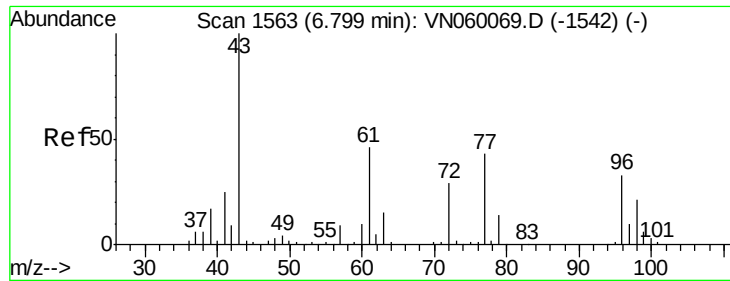
MMDadoda  
2/13/2020 10:37:05 AM



#26  
2,2-Dichloropropane  
Concen: 19.414 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Tgt Ion: 77 Resp: 67923  
Ion Ratio Lower Upper  
77 100  
97 23.1 11.4 34.2





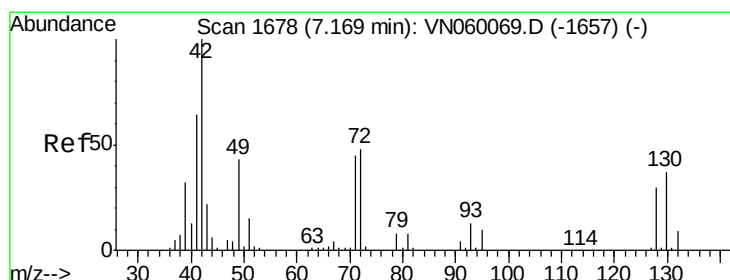
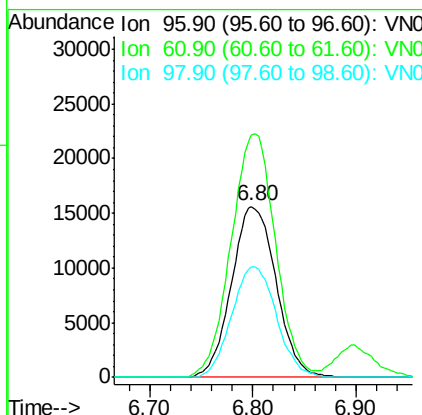
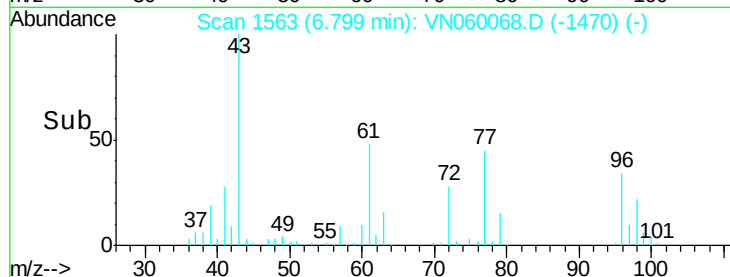
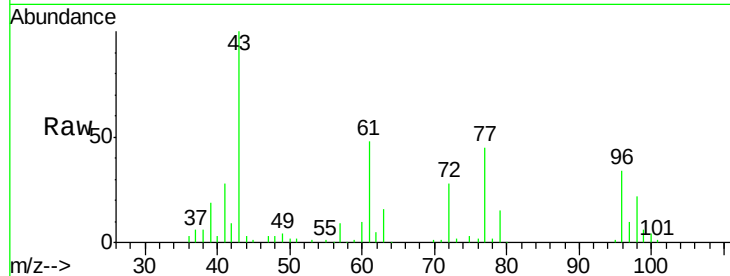
#27  
 cis-1,2-Dichloroethene  
 Concen: 22.140 ug/l  
 RT: 6.80 min Scan# 1563  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 46976 |       |       |
| 61      | 142.0 | 0.0   | 285.8 |       |
| 98      | 64.9  | 0.0   | 129.6 |       |

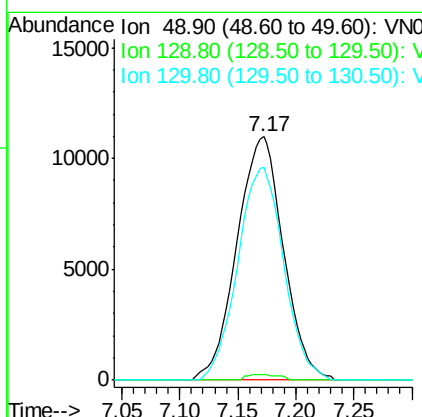
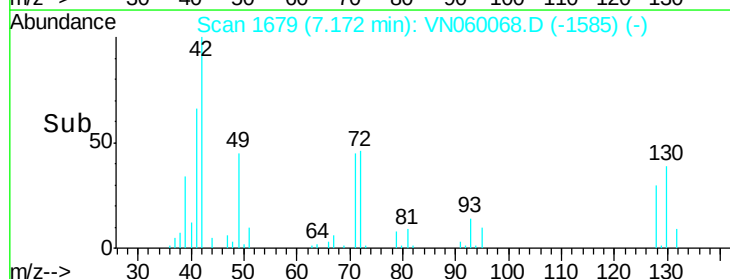
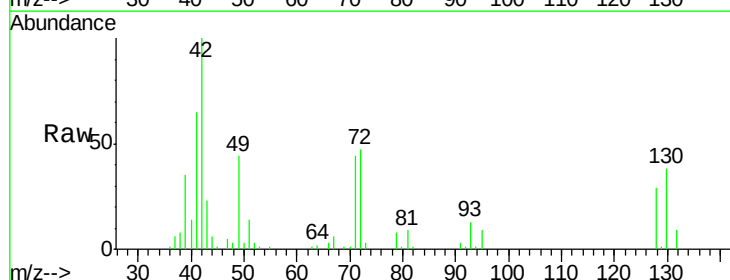
Manual Integrations  
 APPROVED

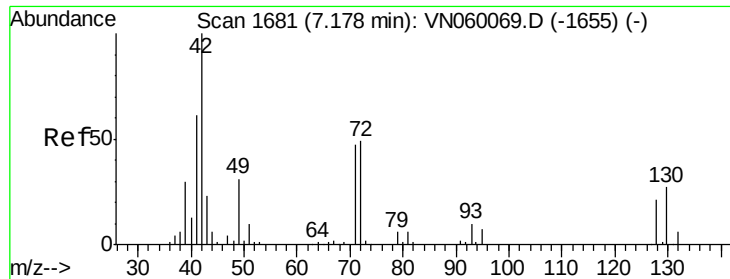
MMDadoda  
 2/13/2020 10:37:05 AM



#28  
 Bromochloromethane  
 Concen: 23.840 ug/l  
 RT: 7.17 min Scan# 1679  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 30598 |       |       |
| 129     | 1.6   | 0.0   | 2.2   |       |
| 130     | 86.3  | 66.8  | 100.2 |       |





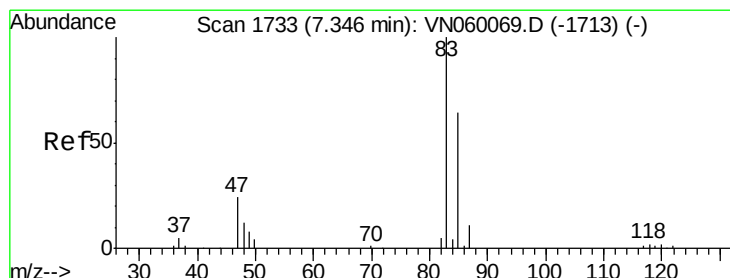
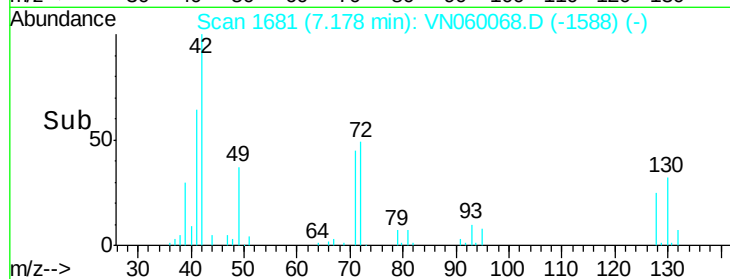
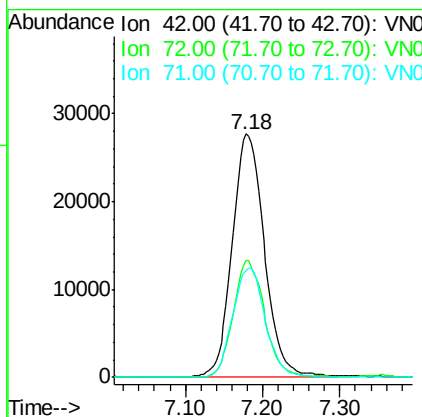
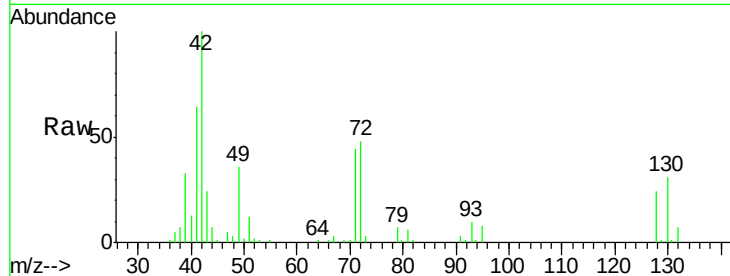
#29  
Tetrahydrofuran  
Concen: 101.421 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.5  | 38.2  | 57.4  |
| 71      | 45.1  | 36.6  | 54.8  |

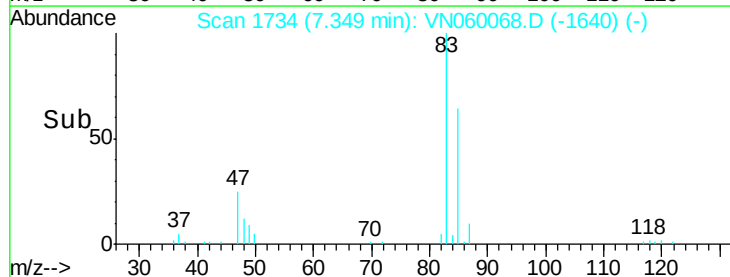
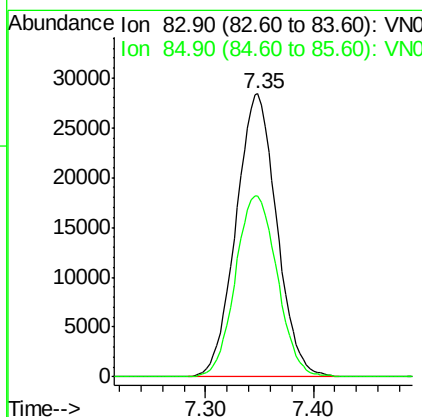
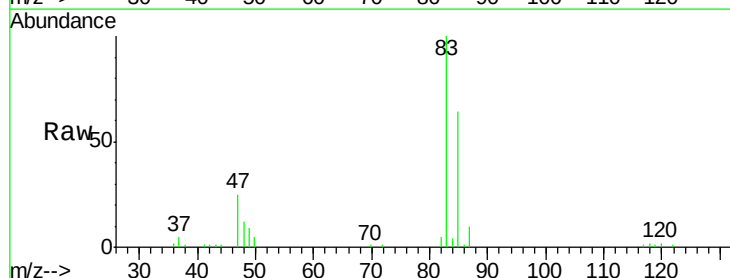
Manual Integrations  
APPROVED

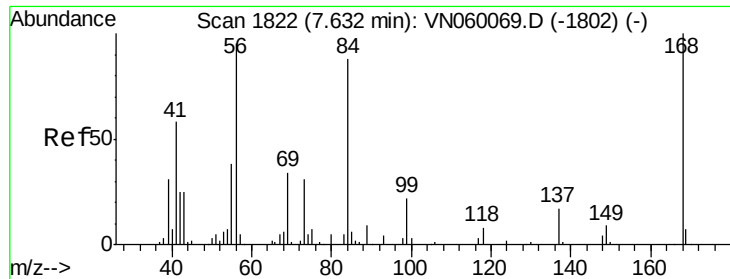
MMDadoda  
2/13/2020 10:37:05 AM



#30  
Chloroform  
Concen: 19.386 ug/l  
RT: 7.35 min Scan# 1734  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.9  | 51.4  | 77.0  |





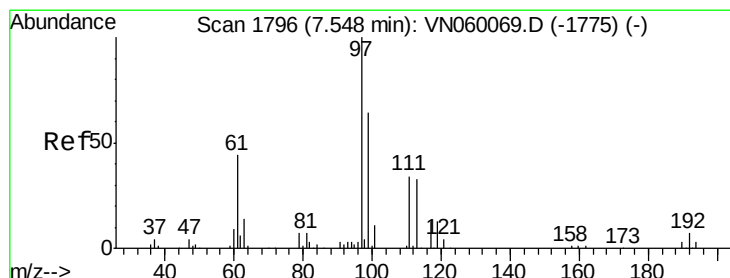
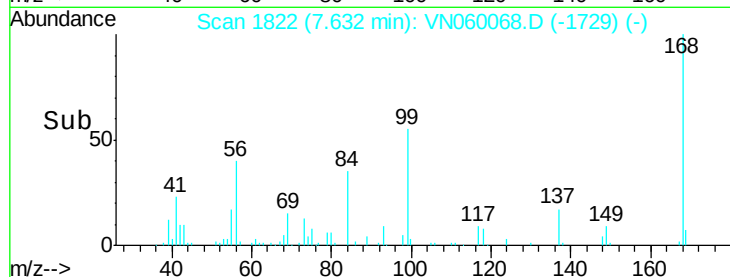
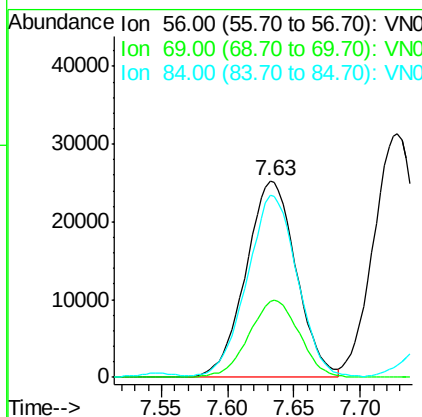
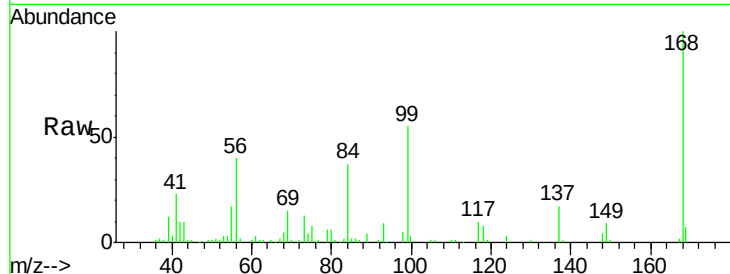
#31  
Cyclohexane  
Concen: 19.019 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 38.5  | 28.3  | 42.5  |
| 84      | 91.4  | 72.6  | 108.8 |

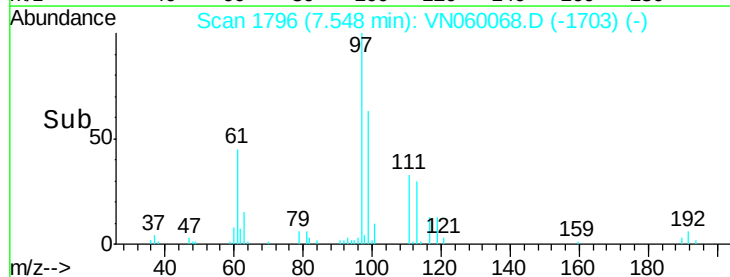
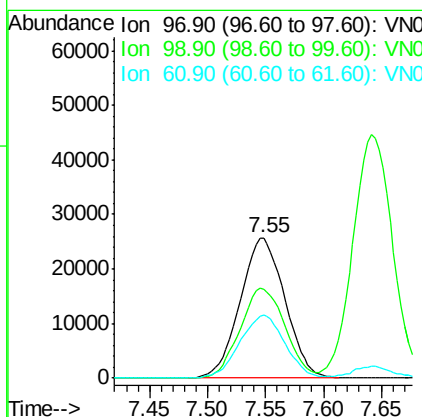
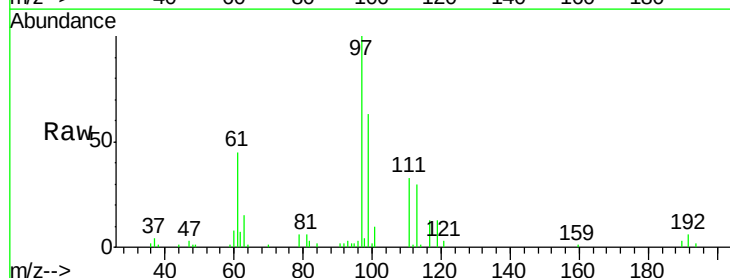
Manual Integrations  
APPROVED

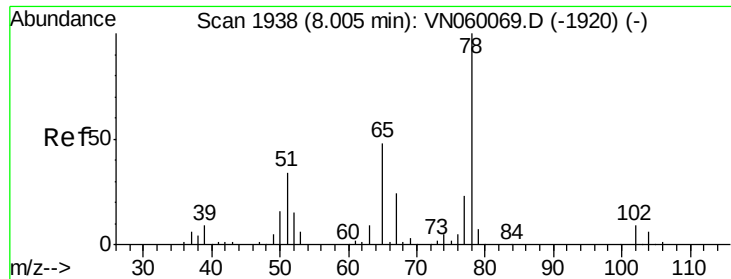
MMDadoda  
2/13/2020 10:37:05 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.667 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.5  | 51.4  | 77.0  |
| 61      | 45.4  | 34.9  | 52.3  |





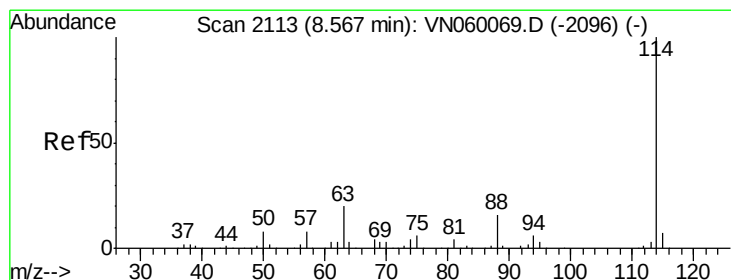
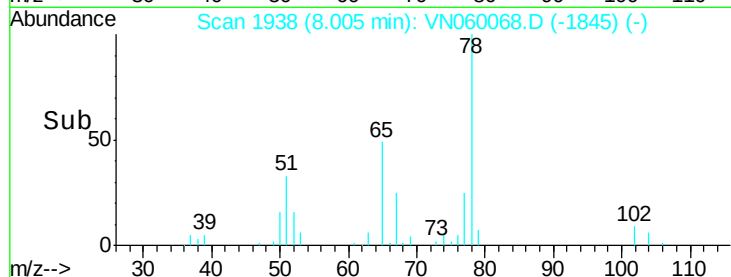
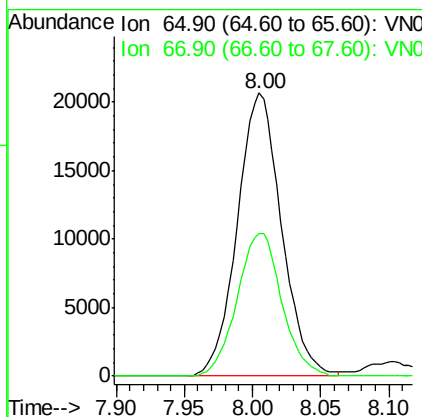
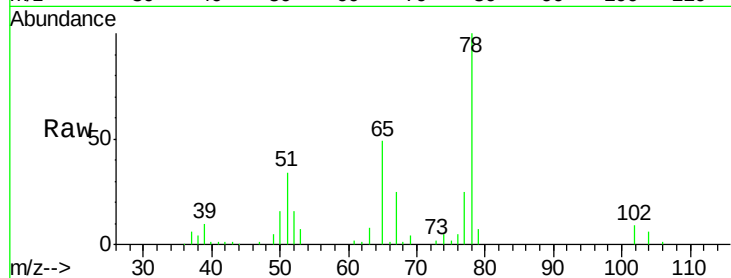
#33  
 1,2-Dichloroethane-d4  
 Concen: 19.474 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 65      | 100   | 46505 |       |       |
| 67      | 51.0  | 0.0   | 0.0   | 104.0 |

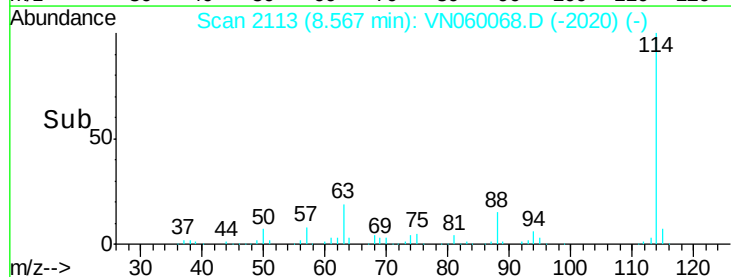
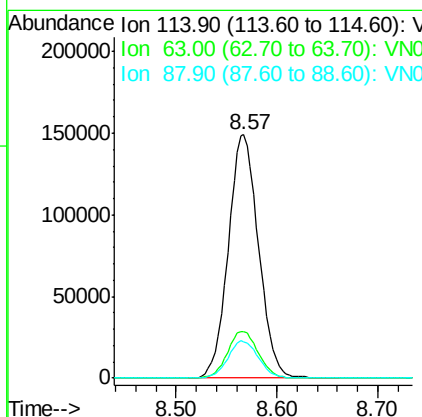
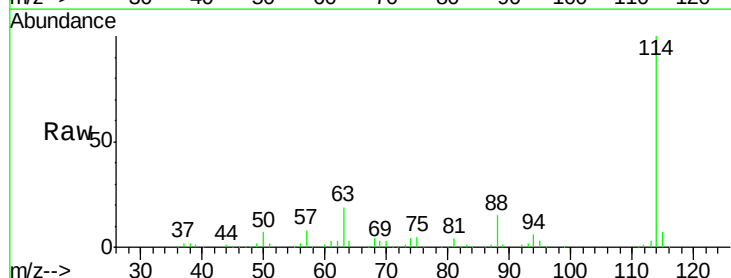
Manual Integrations  
 APPROVED

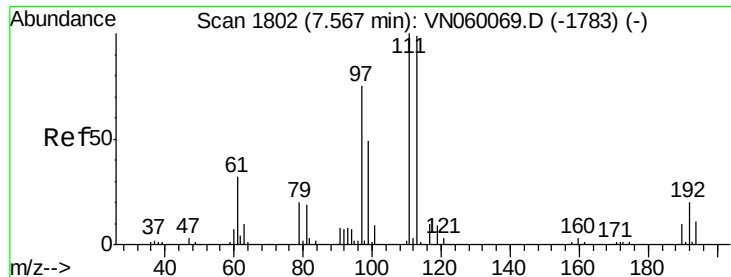
MMDadoda  
 2/13/2020 10:37:05 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 310923 |       |       |
| 63      | 19.2  | 0.0    | 0.0   | 40.0  |
| 88      | 15.0  | 0.0    | 0.0   | 31.6  |





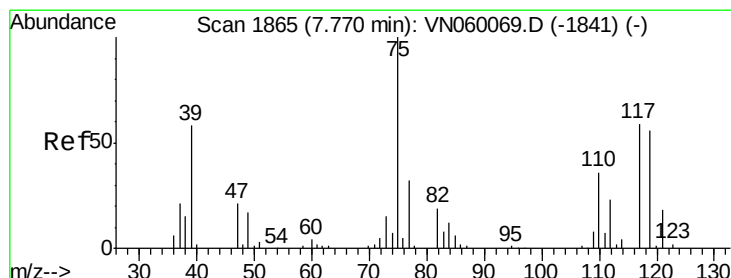
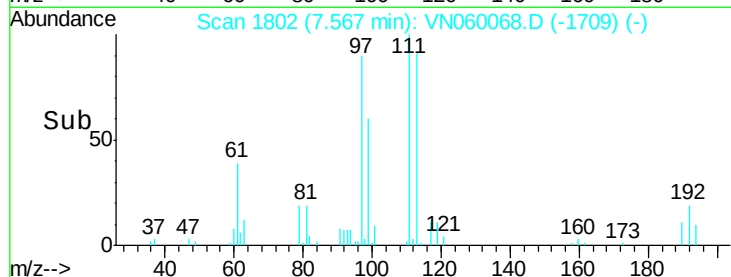
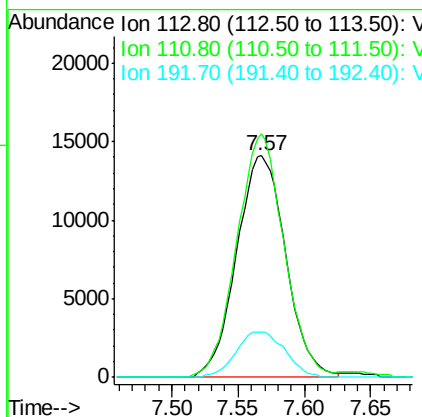
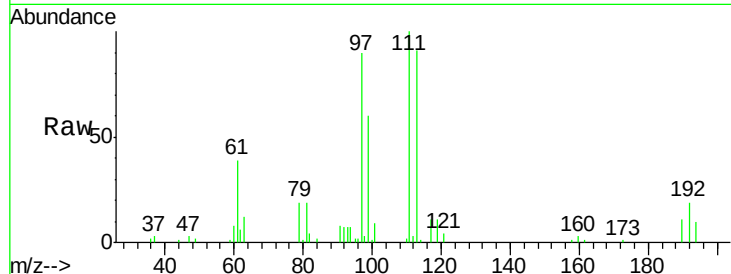
#35  
Dibromofluoromethane  
Concen: 19.623 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 105.3 | 81.4  | 122.2 |
| 192     | 20.4  | 16.2  | 24.2  |

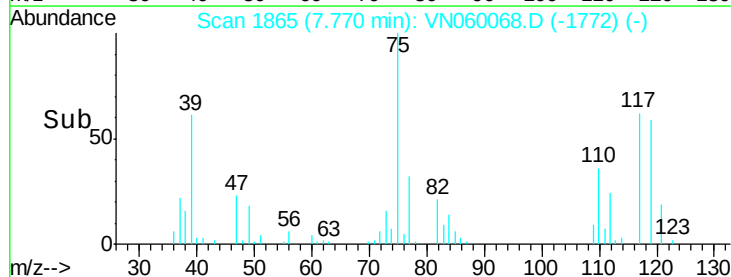
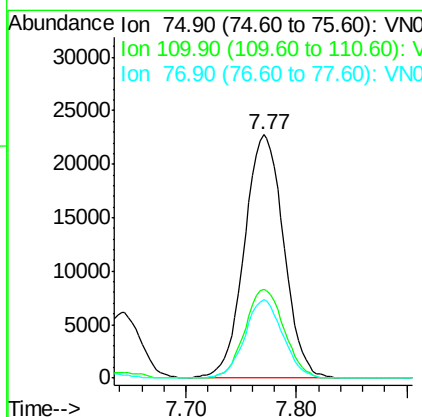
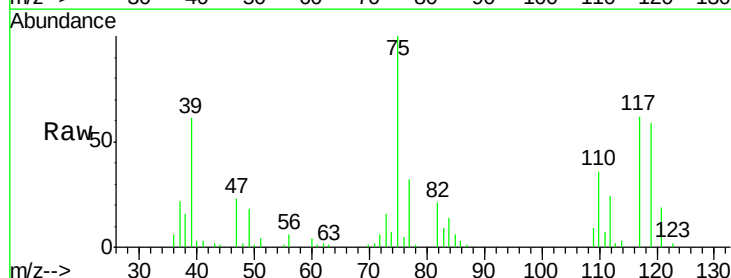
Manual Integrations  
APPROVED

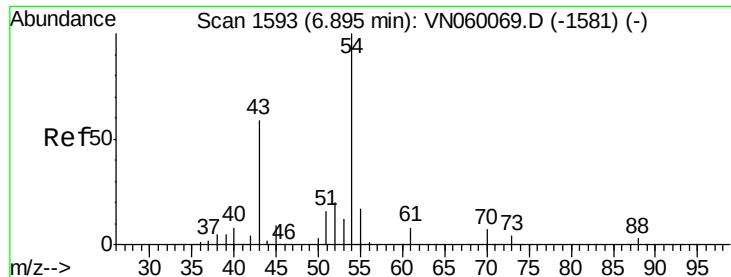
MMDadoda  
2/13/2020 10:37:05 AM



#36  
1,1-Dichloropropene  
Concen: 19.584 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.2  | 18.1  | 54.3  |
| 77      | 31.1  | 25.1  | 37.7  |





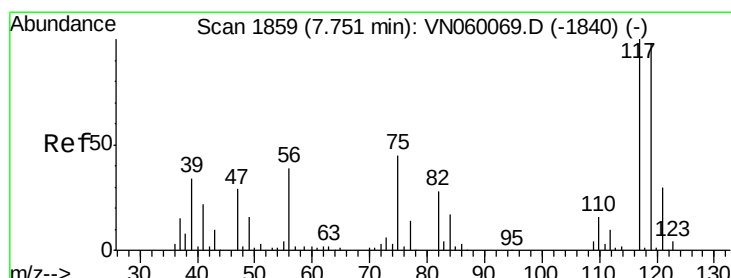
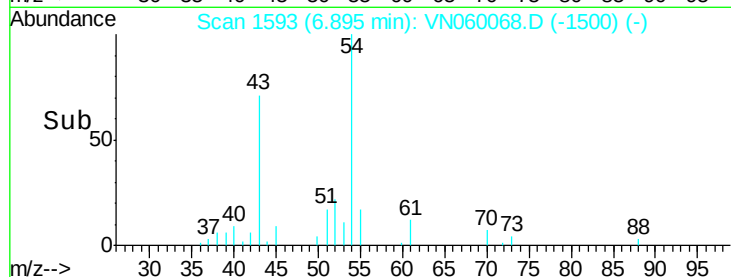
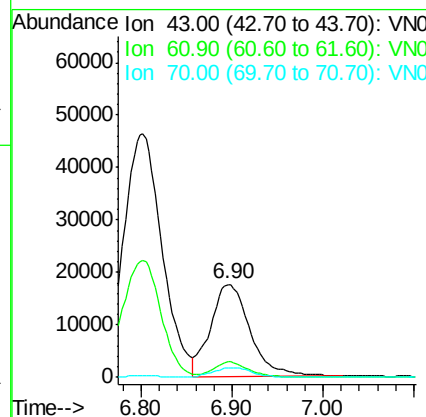
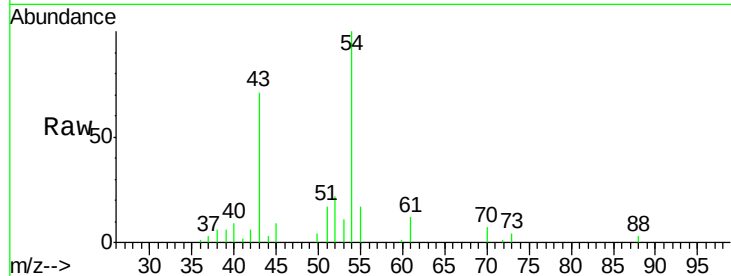
#37  
Ethyl Acetate  
Concen: 21.081 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | 43  | 61   | 70   |
|---------|-----|------|------|
| Ratio   | 100 | 14.6 | 10.1 |
| Lower   |     | 11.4 | 8.7  |
| Upper   |     | 17.2 | 13.1 |

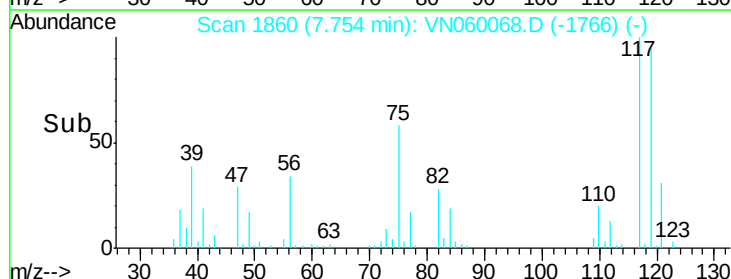
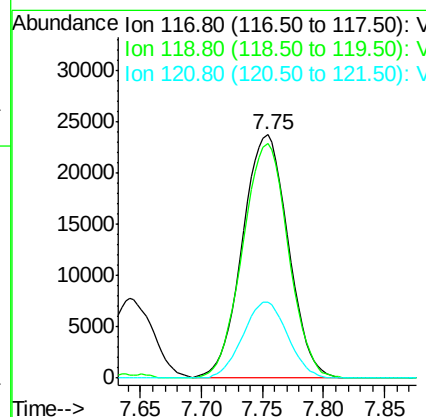
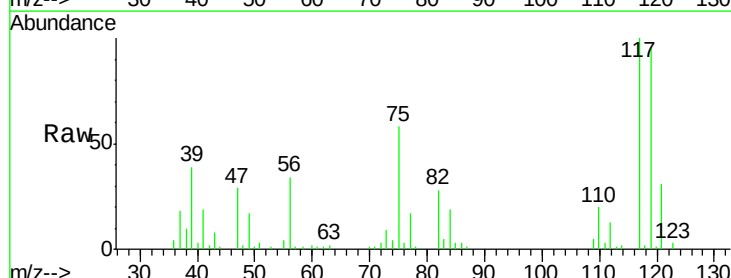
Manual Integrations  
APPROVED

MMDadoda  
2/13/2020 10:37:05 AM

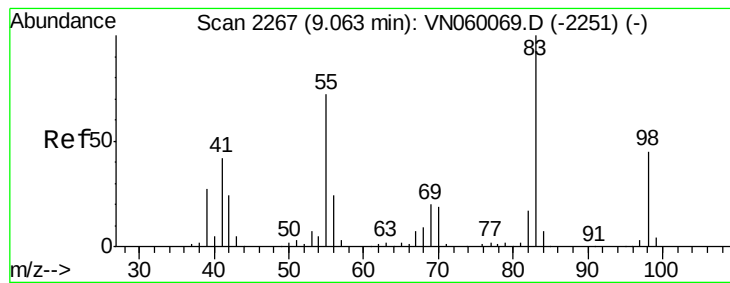


#38  
Carbon Tetrachloride  
Concen: 19.757 ug/l  
RT: 7.75 min Scan# 1860  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | 117 | 119   | 121  |
|---------|-----|-------|------|
| Ratio   | 100 | 96.2  | 31.4 |
| Lower   |     | 78.2  | 24.2 |
| Upper   |     | 117.4 | 36.2 |







#39

Methylvlcyclohexane

Concen: 19.785 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 70557

Ion Ratio Lower Upper

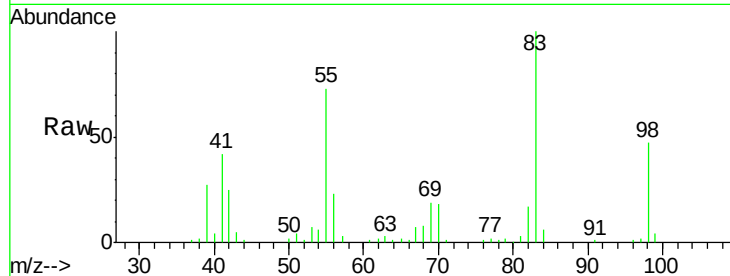
83 100

55 73.2 57.8 86.8

98 47.4 36.4 54.6

Manual Integrations  
APPROVED

MMDadoda  
2/13/2020 10:37:05 AM

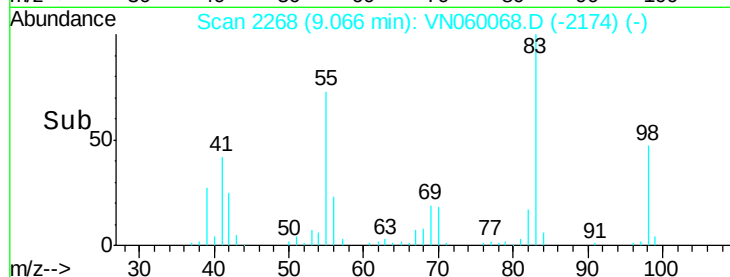


Abundance Ion 83.00 (82.70 to 83.70): VN060069.D (-2251) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-2251) (-)

Ion 98.00 (97.70 to 98.70): VN060069.D (-2251) (-)

Time-->



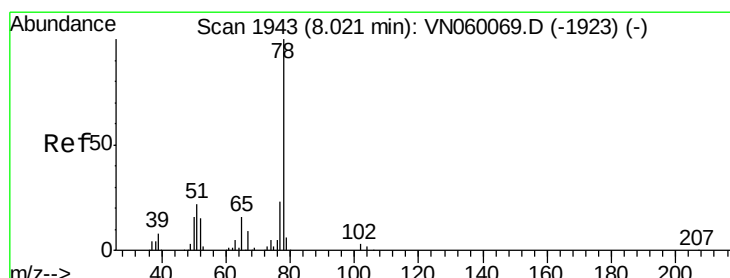
Abundance

Ion 83.00 (82.70 to 83.70): VN060069.D (-2251) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-2251) (-)

Ion 98.00 (97.70 to 98.70): VN060069.D (-2251) (-)

Time-->



#40

Benzene

Concen: 19.316 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN060068.D

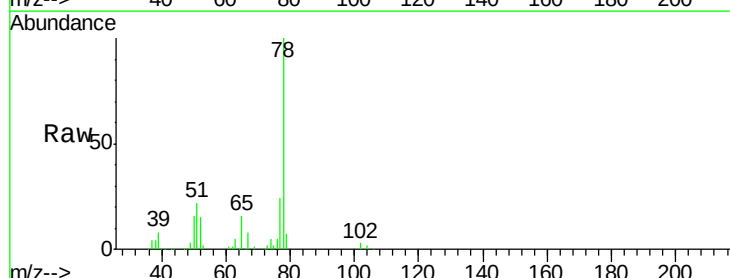
Acq: 12 Feb 2020 12:05

Tgt Ion: 78 Resp: 166209

Ion Ratio Lower Upper

78 100

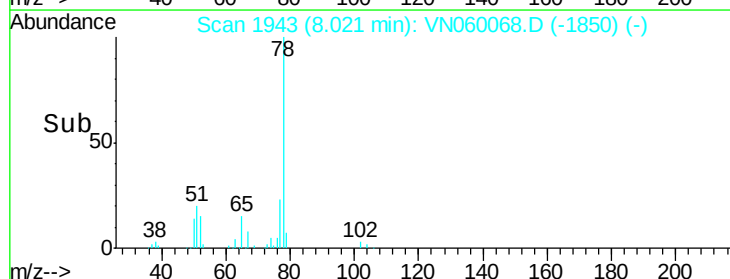
77 23.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN060069.D (-1923) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-1923) (-)

Time-->

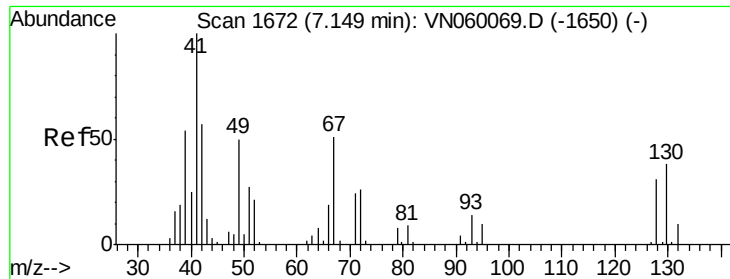


Abundance

Ion 78.00 (77.70 to 78.70): VN060069.D (-1923) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-1923) (-)

Time-->



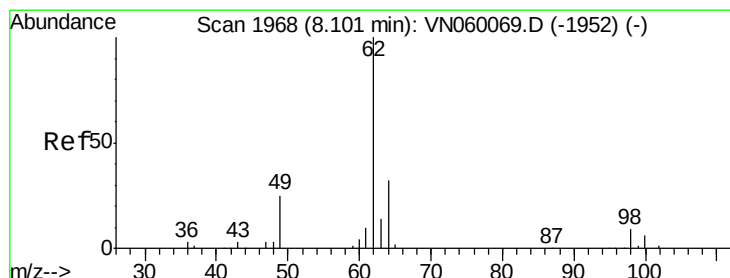
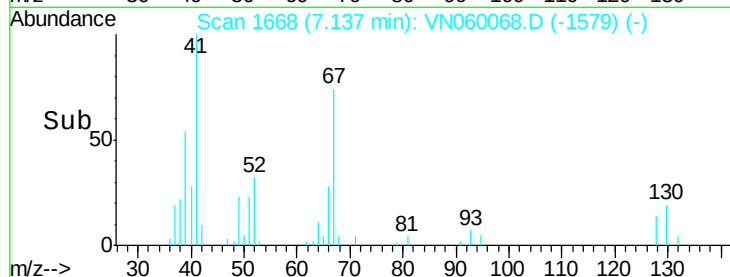
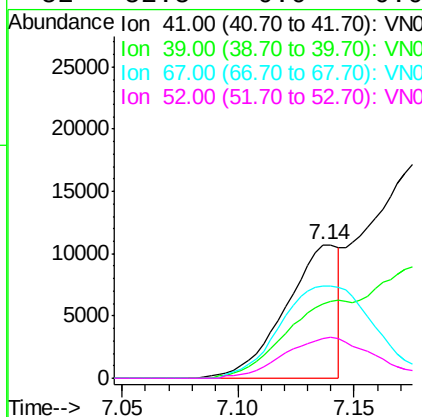
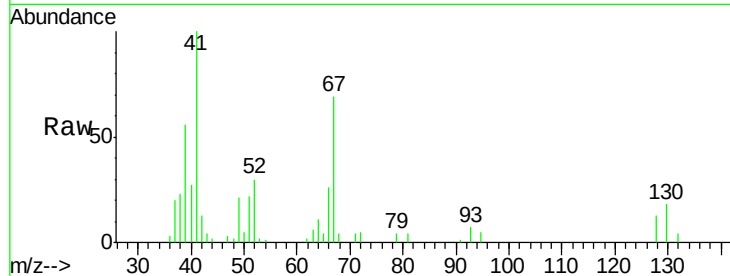
#41  
Methacrylonitrile  
Concen: 10.312 ug/l  
RT: 7.14 min Scan# 1668  
Delta R.T. -0.01 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 41      | 100   |       | 17094 |       |       |
| 39      | 73.2  | 0.0   | 0.0#  |       |       |
| 67      | 126.0 | 0.0   | 0.0#  |       |       |
| 52      | 52.5  | 0.0   | 0.0#  |       |       |

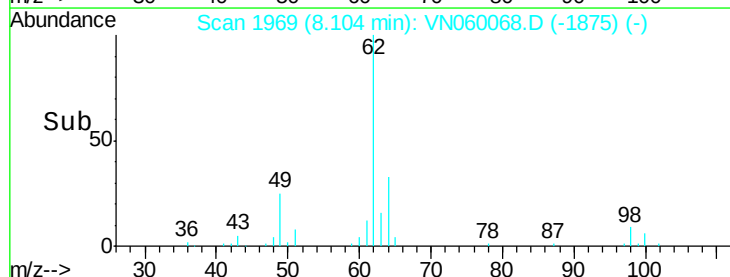
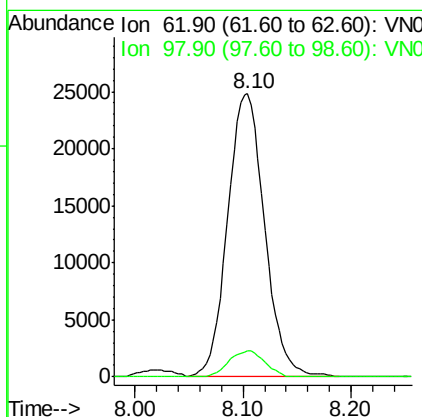
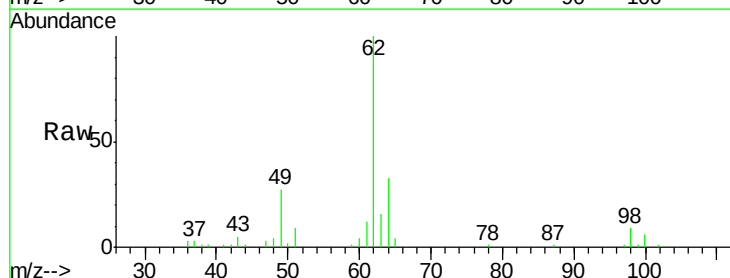
Manual Integrations  
APPROVED

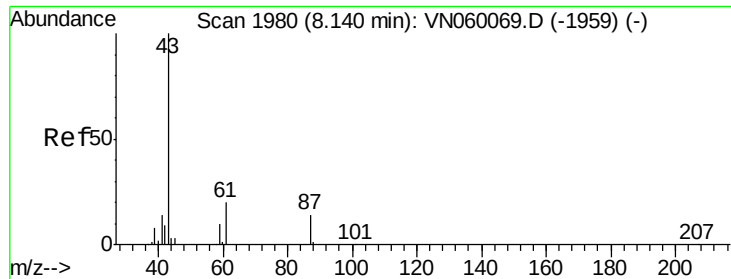
MMDadoda  
2/13/2020 10:37:05 AM



#42  
1,2-Dichloroethane  
Concen: 19.906 ug/l  
RT: 8.10 min Scan# 1969  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ion | Ratio | Resp  | Lower | Upper |
|---------|-----|-------|-------|-------|-------|
| 62      | 100 |       | 59302 |       |       |
| 98      | 8.9 | 0.0   | 18.2  |       |       |





#43

Isopropyl Acetate

Concen: 20.352 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

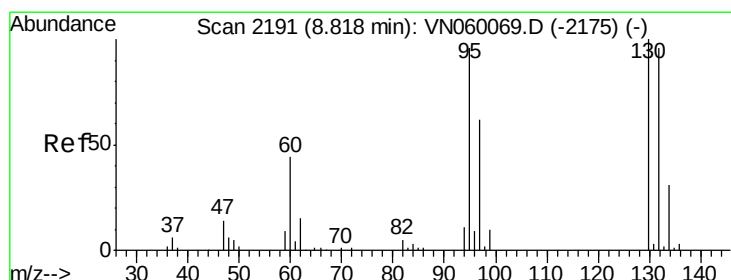
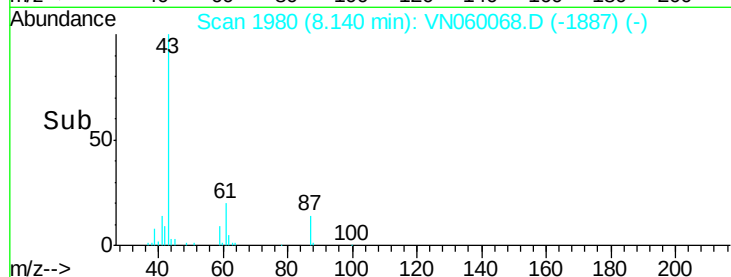
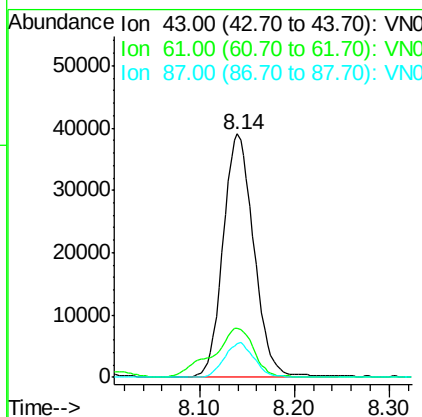
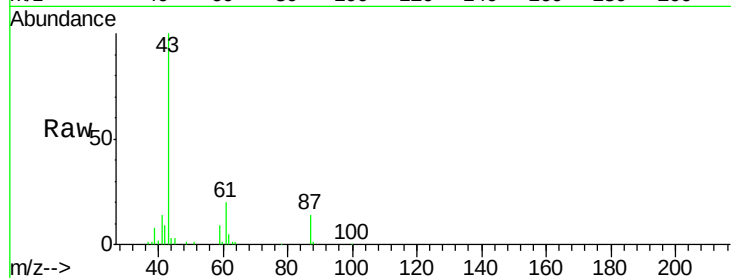
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 43    | Resp: | 88275 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 26.9  | 21.8  | 32.6  |
| 87        | 13.7  | 11.4  | 17.2  |

Manual Integrations  
APPROVED

MMDadoda  
2/13/2020 10:37:05 AM



#44

Trichloroethene

Concen: 19.451 ug/l

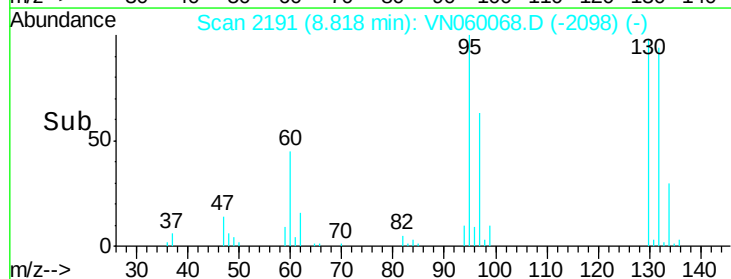
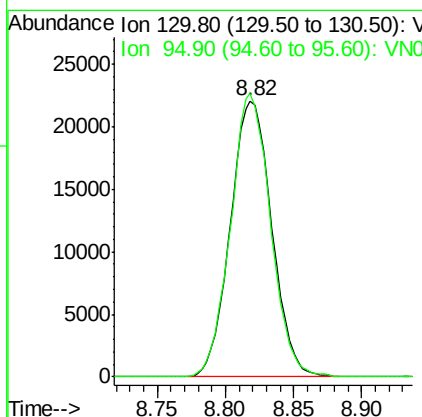
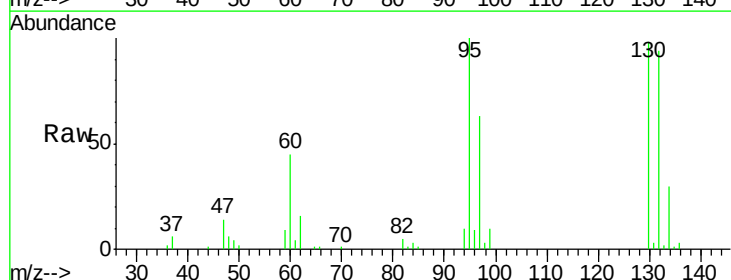
RT: 8.82 min Scan# 2191

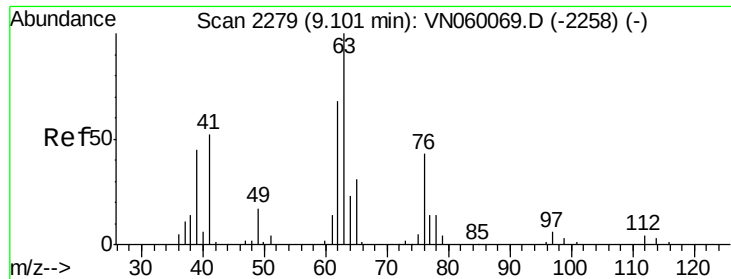
Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 130   | Resp: | 46438 |
| Ion Ratio | Lower | Upper |       |
| 130       | 100   |       |       |
| 95        | 102.5 | 0.0   | 192.4 |





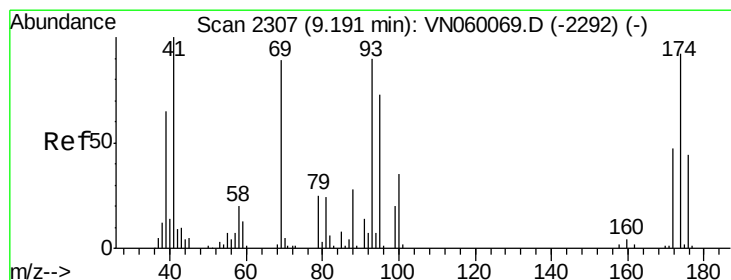
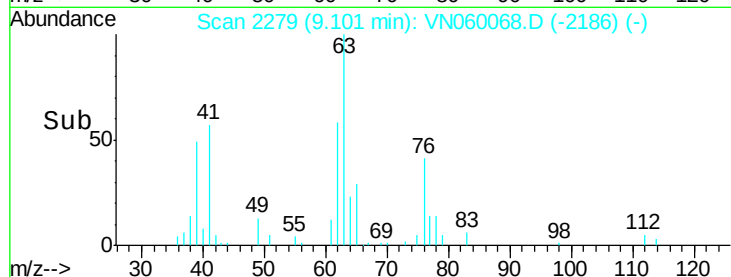
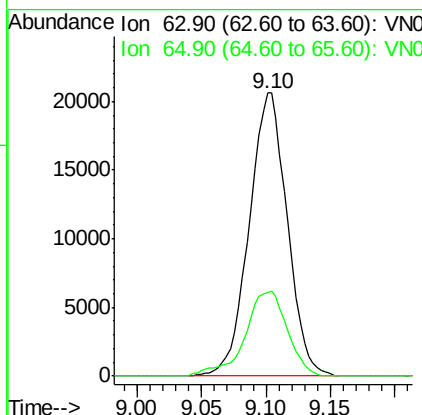
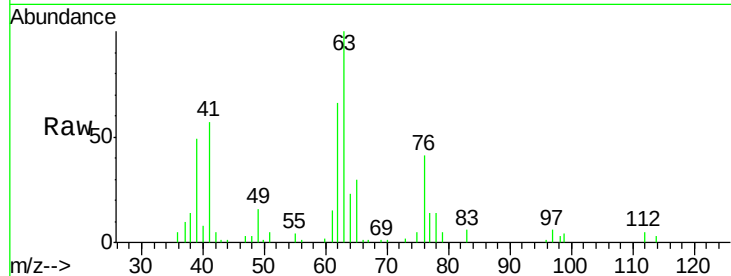
#45  
 1,2-Dichloropropane  
 Concen: 20.125 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

Tot Ion: 63 Resp: 42474  
 Ion Ratio Lower Upper  
 63 100  
 65 29.7 25.0 37.4

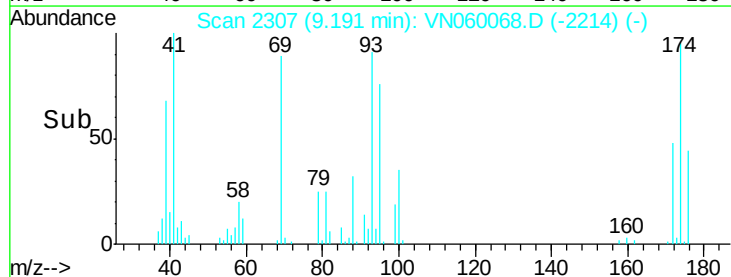
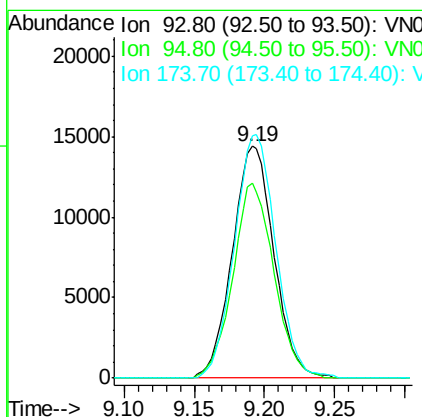
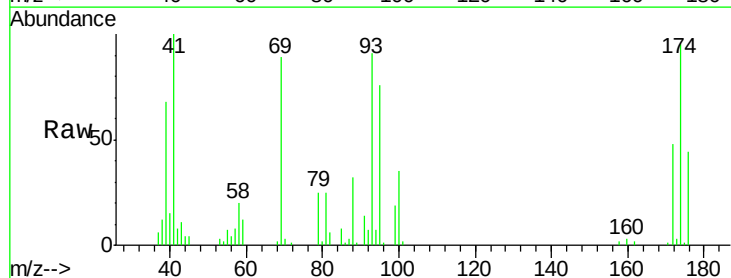
Manual Integrations  
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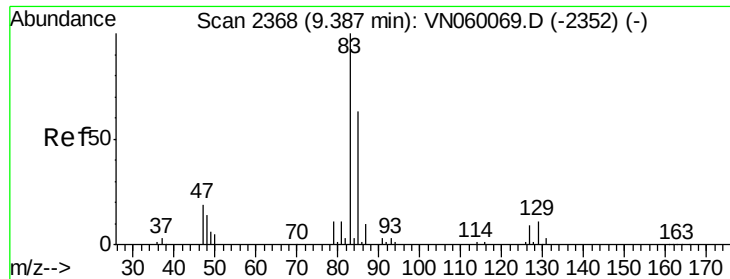
MMDadoda  
 2/13/2020 10:37:05 AM



#46  
 Dibromomethane  
 Concen: 20.061 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Tgt Ion: 93 Resp: 29754  
 Ion Ratio Lower Upper  
 93 100  
 95 82.8 65.0 97.6  
 174 104.6 82.3 123.5





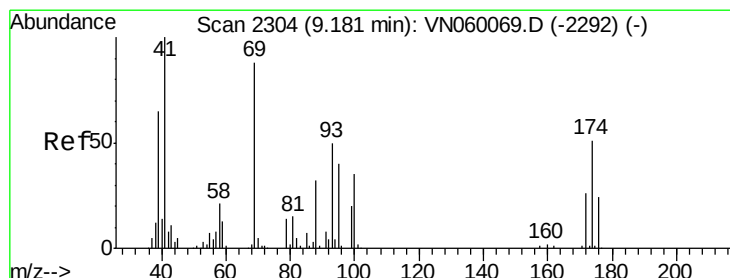
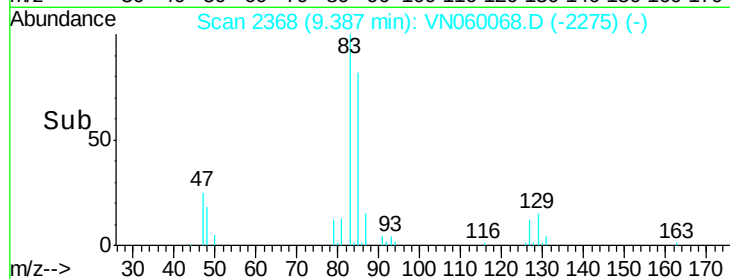
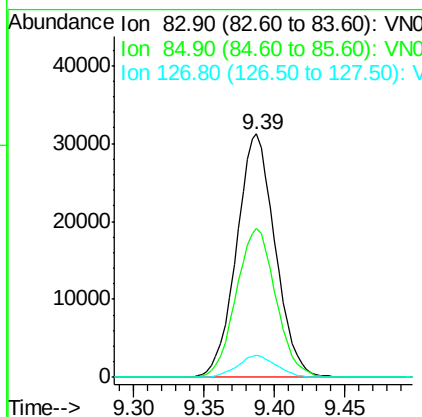
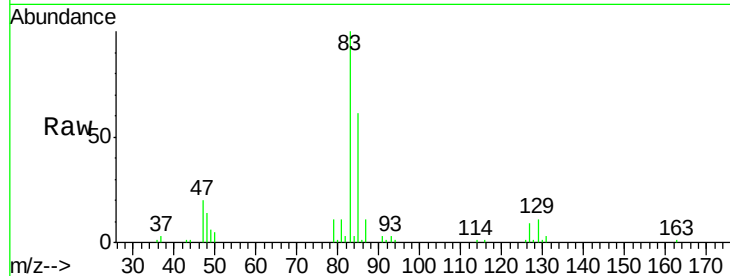
#47  
Bromodichloromethane  
Concen: 19.873 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion   | 83   | Resp  | 59804 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 61.0 | 50.6  | 75.8  |
| 127       | 9.0  | 7.0   | 10.6  |

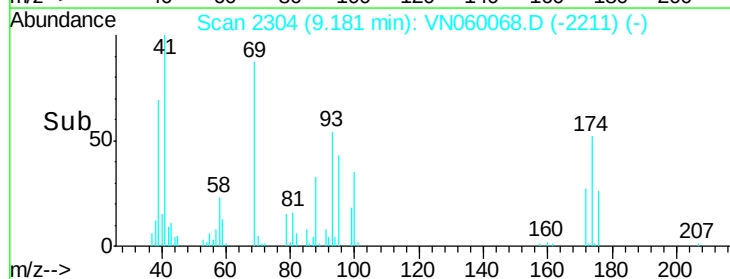
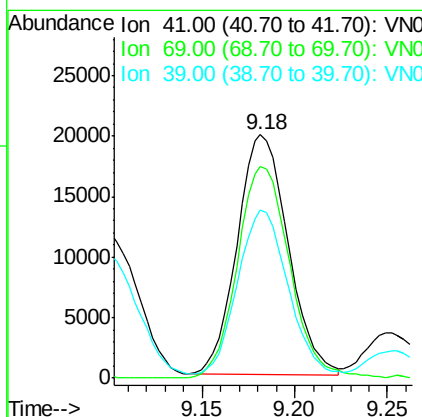
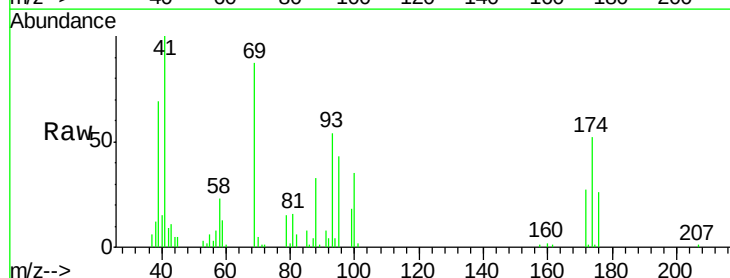
Manual Integrations  
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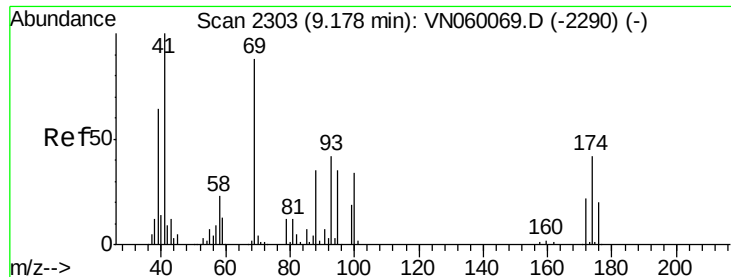
MMDadoda  
2/13/2020 10:37:05 AM



#48  
Methyl methacrylate  
Concen: 19.613 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion   | 41   | Resp  | 37721 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 90.8 | 72.0  | 108.0 |
| 39        | 67.5 | 54.1  | 81.1  |





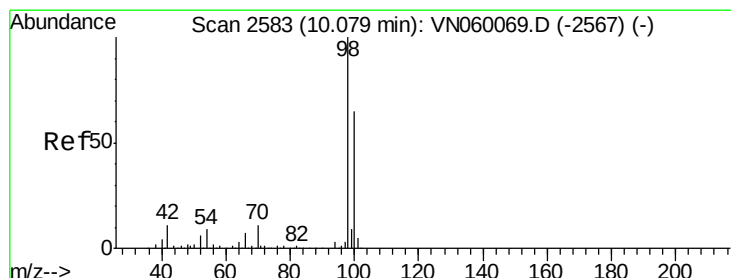
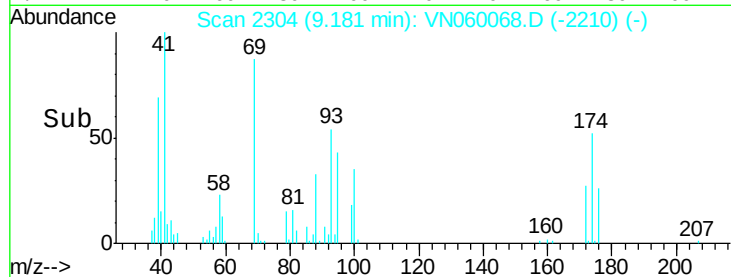
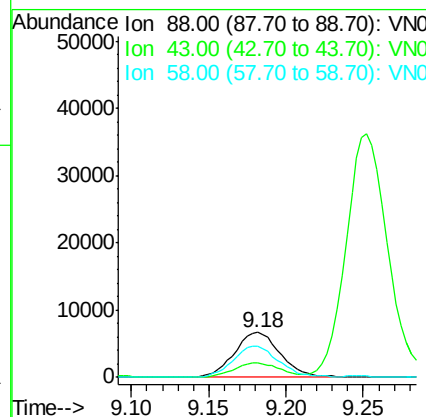
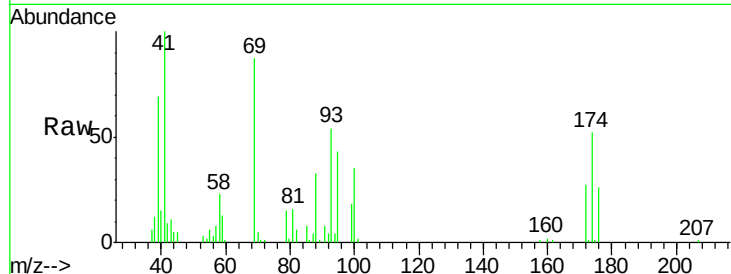
#49  
1,4-Dioxane  
Concen: 430.662 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.6  | 26.2  | 39.2  |
| 58      | 68.0  | 53.2  | 79.8  |

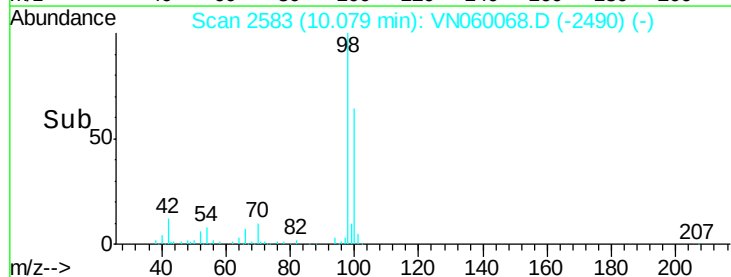
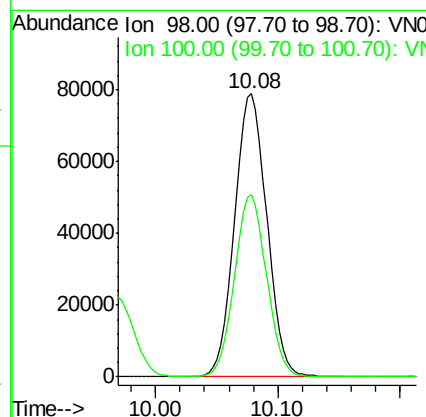
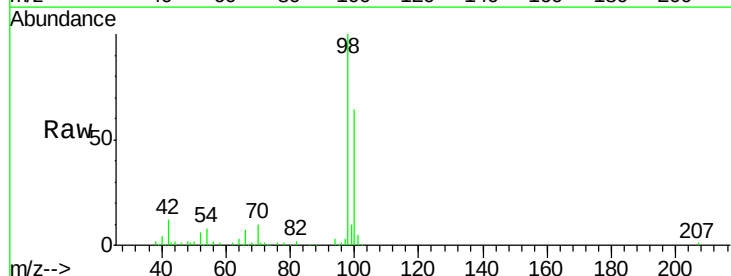
Manual Integrations  
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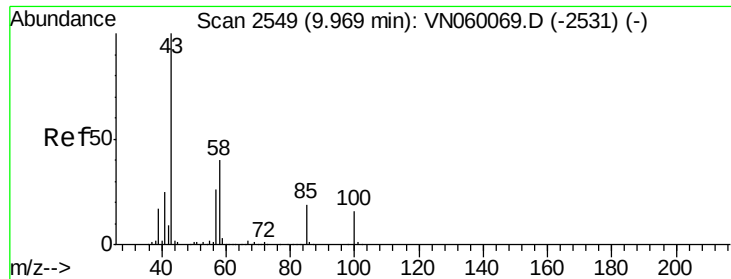
MMDadoda  
2/13/2020 10:37:05 AM



#50  
Toluene-d8  
Concen: 19.748 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.8  | 51.7  | 77.5  |





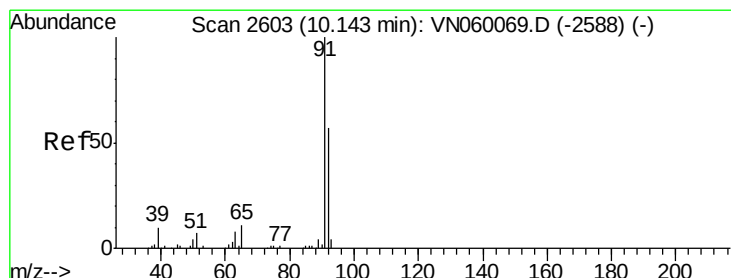
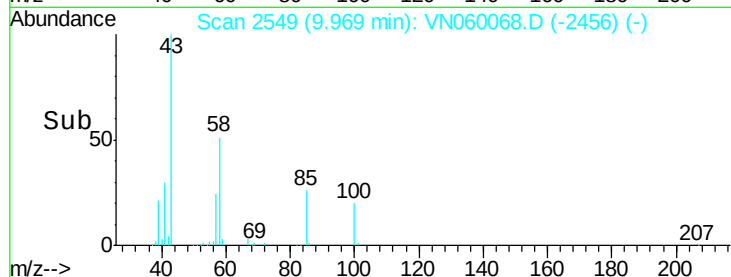
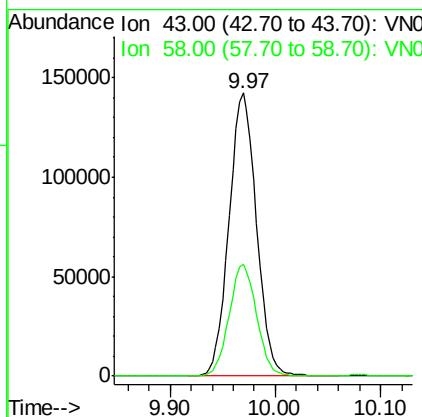
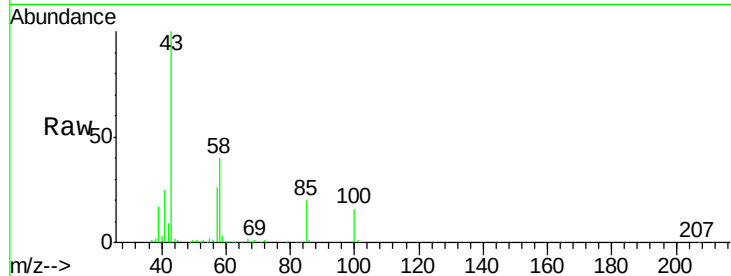
#51  
4-Methyl-2-Pentanone  
Concen: 103.020 ug/l  
RT: 9.97 min Scan# 2549  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.4  | 31.8  | 47.8  |

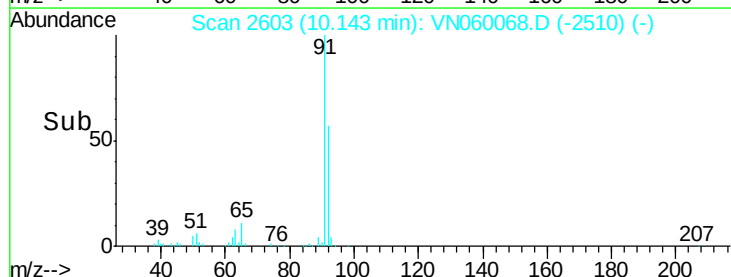
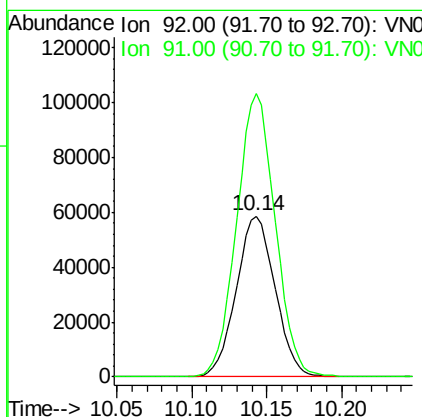
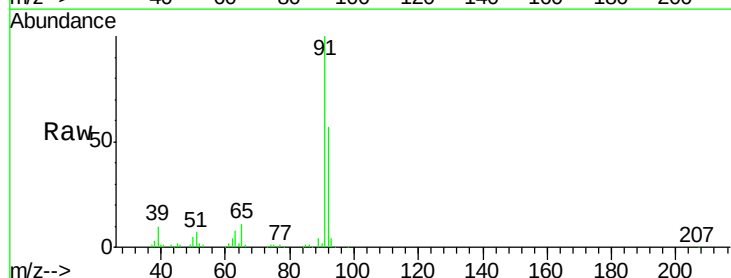
Manual Integrations  
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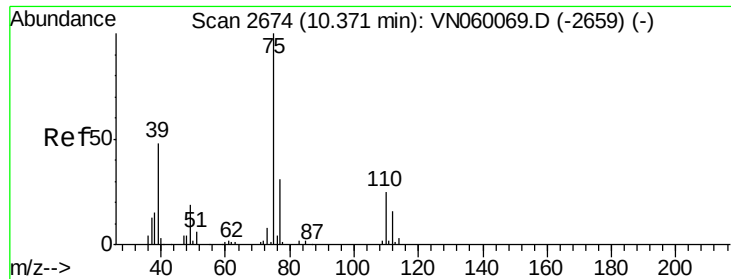
MMDadoda  
2/13/2020 10:37:05 AM



#52  
Toluene  
Concen: 19.525 ug/l  
RT: 10.14 min Scan# 2603  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 175.1 | 140.9 | 211.3 |





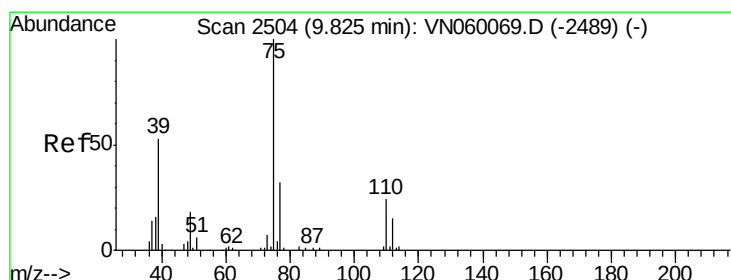
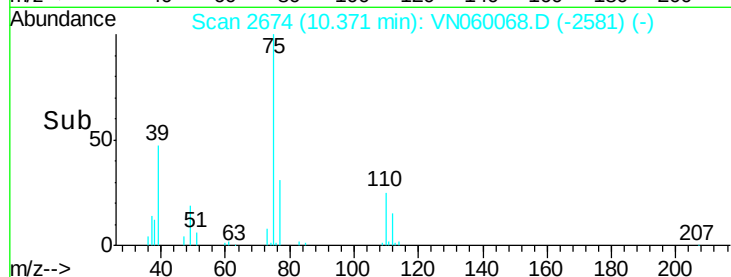
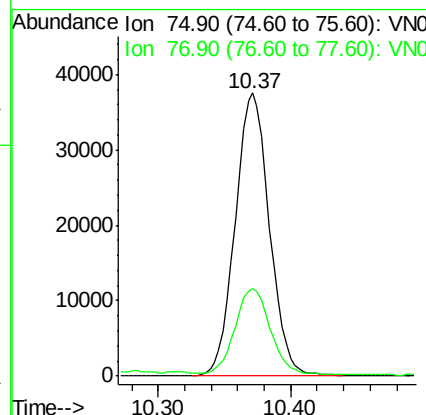
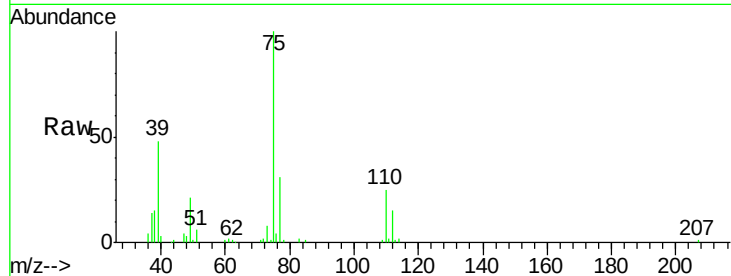
#53  
t-1,3-Dichloropropene  
Concen: 20.222 ug/l  
RT: 10.37 min Scan# 2674  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

Tot Ion: 75 Resp: 67321  
Ion Ratio Lower Upper  
75 100  
77 30.4 25.4 38.0

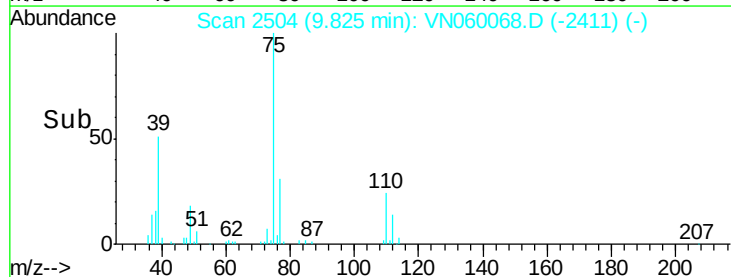
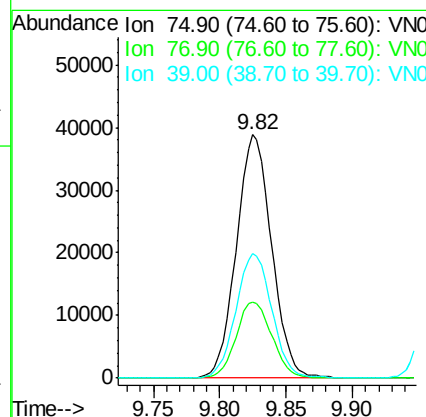
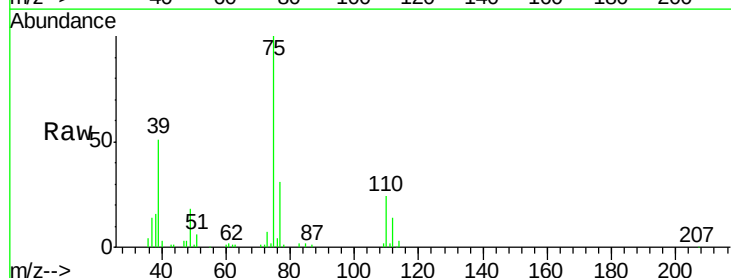
Manual Integrations  
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MMDadoda  
2/13/2020 10:37:05 AM

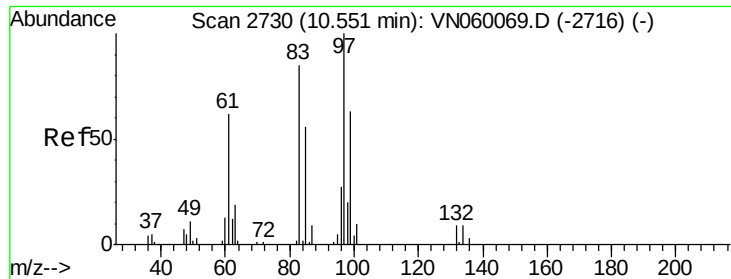


#54  
cis-1,3-Dichloropropene  
Concen: 20.174 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Tgt Ion: 75 Resp: 71785  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.6 38.4  
39 51.1 42.2 63.4







#55

1,1,2-Trichloroethane

Concen: 19.680 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

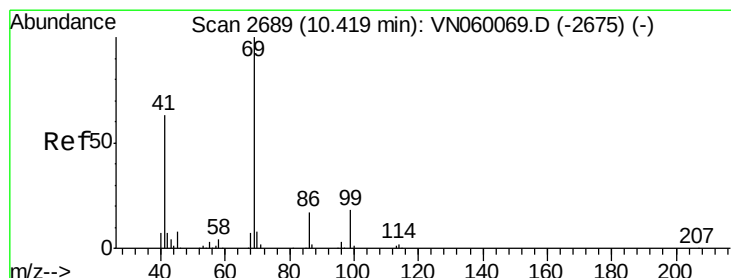
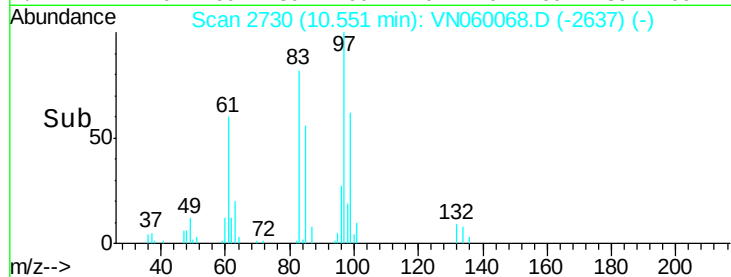
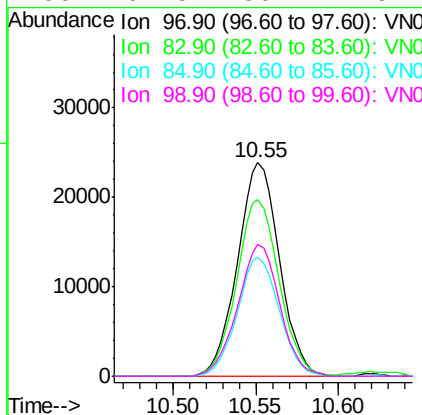
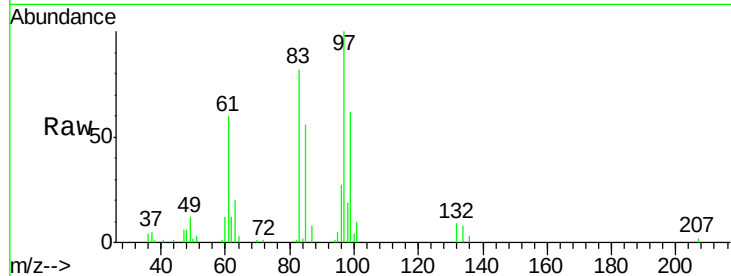
ClientSampled :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 41973 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 82.5  | 67.9  | 101.9 |
| 85       | 55.7  | 44.6  | 67.0  |
| 99       | 61.5  | 50.1  | 75.1  |

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:05 AM



#56

Ethyl methacrylate

Concen: 20.876 ug/l

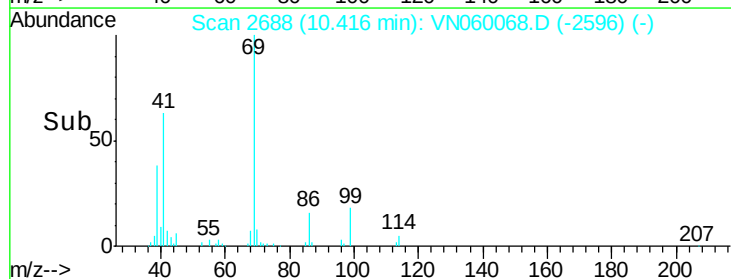
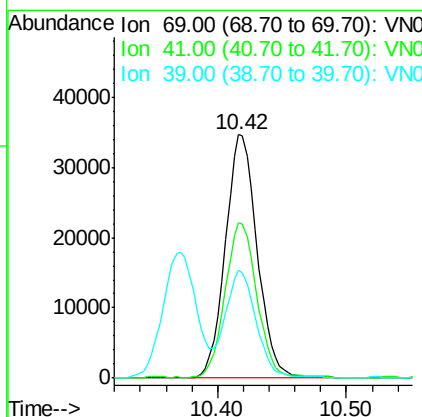
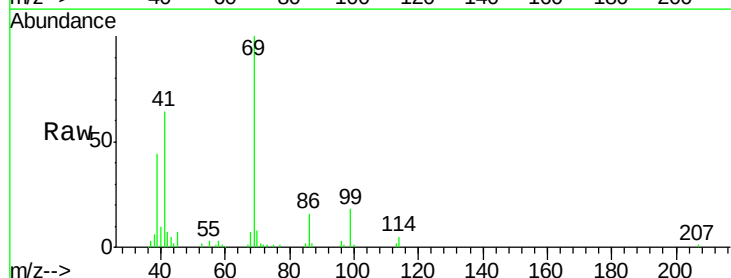
RT: 10.42 min Scan# 2688

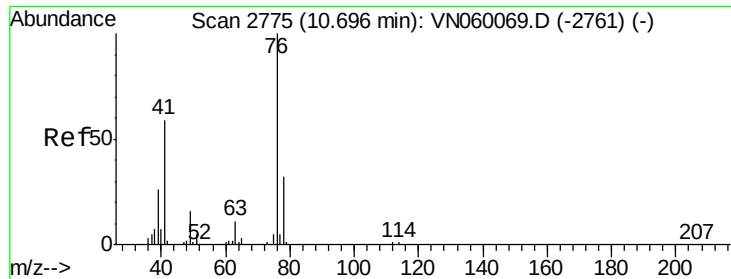
Delta R.T. -0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 59232 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 64.2  | 51.1  | 76.7  |
| 39       | 42.8  | 33.8  | 50.8  |





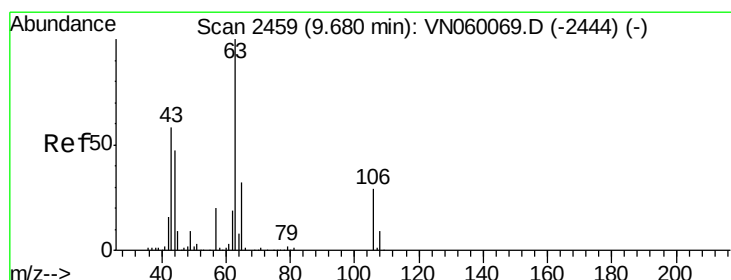
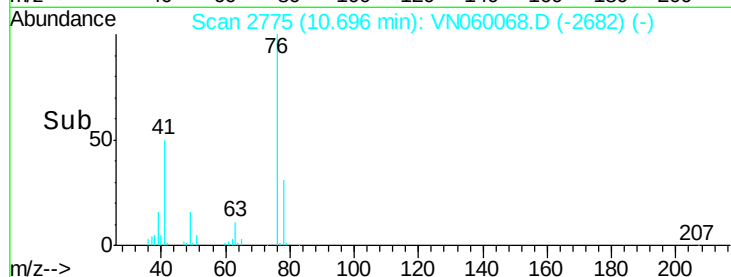
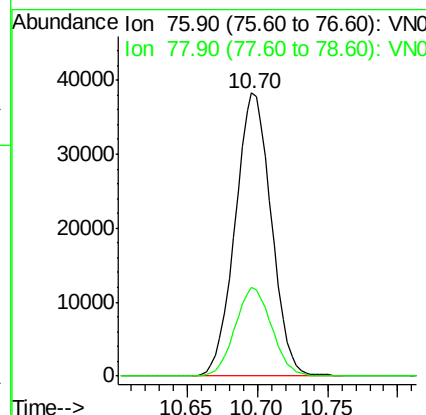
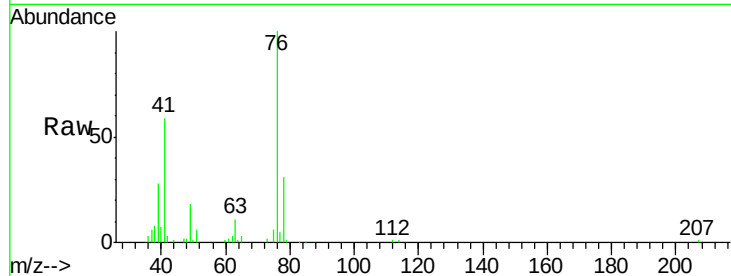
#57  
 1,3-Dichloropropane  
 Concen: 19.462 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 31.6  | 25.7  | 38.5  |

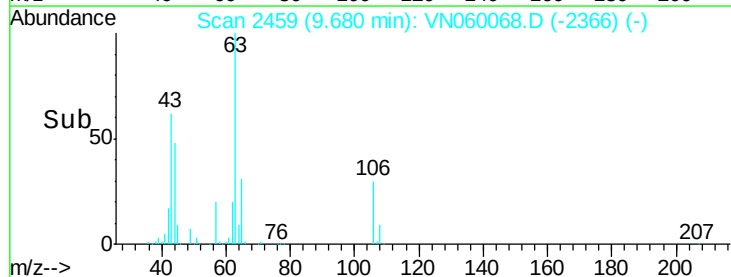
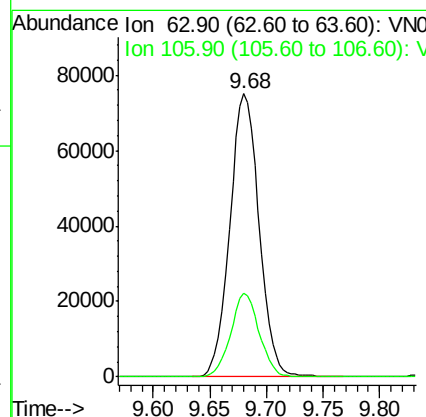
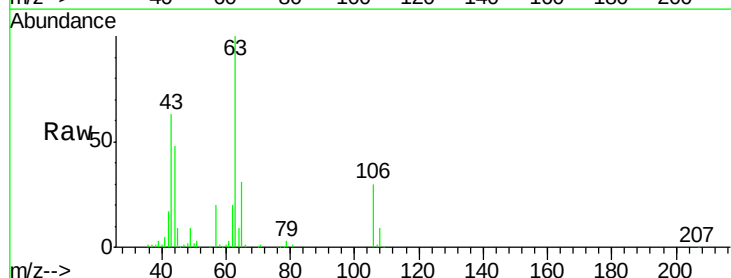
Manual Integrations  
 APPROVED

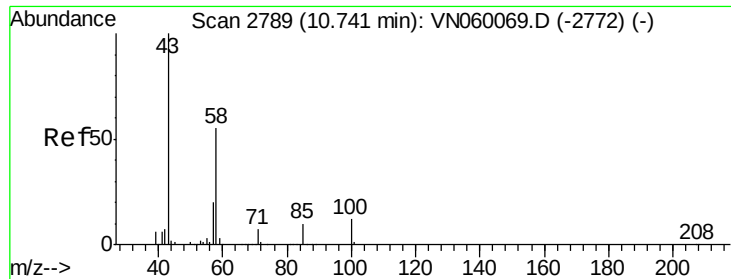
MMDadoda  
 2/13/2020 10:37:05 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 101.144 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.7  | 22.9  | 34.3  |





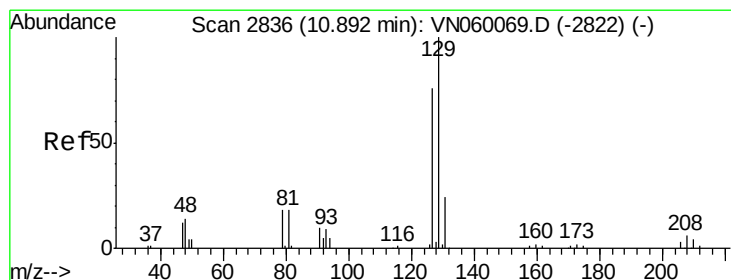
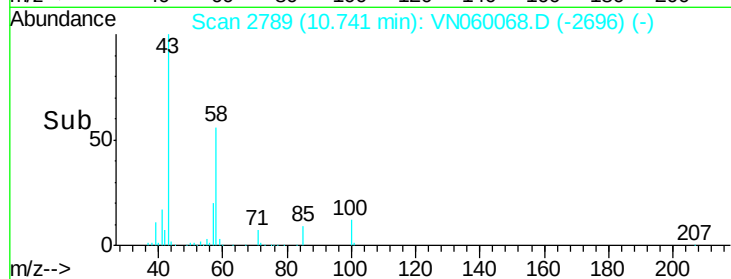
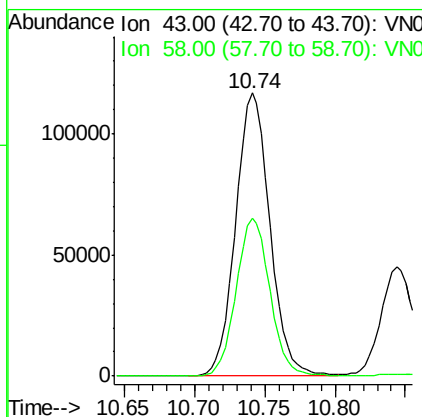
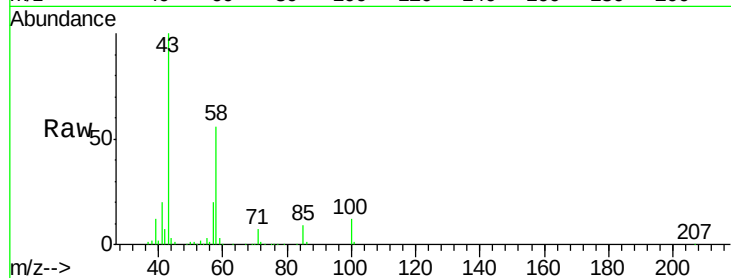
#59  
2-Hexanone  
Concen: 104.764 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

Tot Ion: 43 Resp: 199298  
Ion Ratio Lower Upper  
43 100  
58 55.1 27.5 82.4

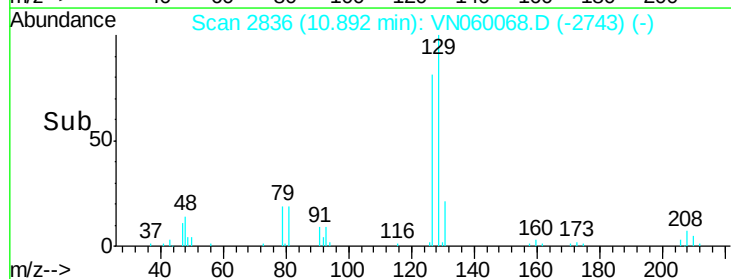
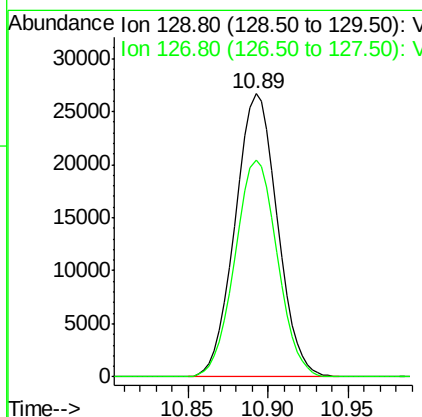
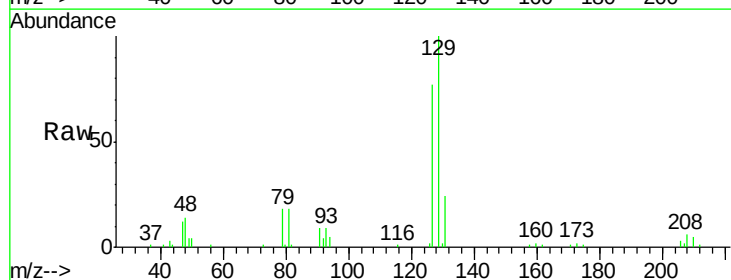
Manual Integrations  
APPROVED

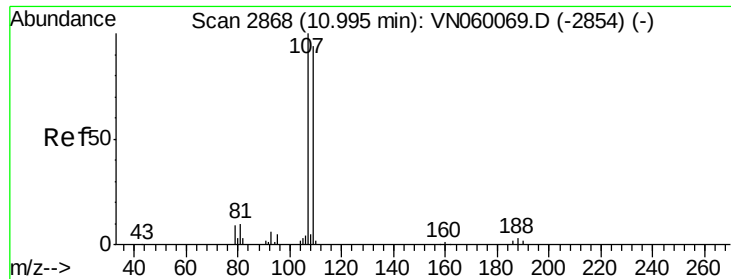
MMDadoda  
2/13/2020 10:37:05 AM



#60  
Dibromochloromethane  
Concen: 20.165 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Tgt Ion:129 Resp: 48120  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.0 114.1





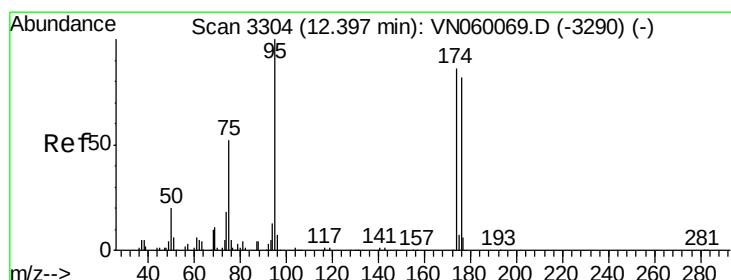
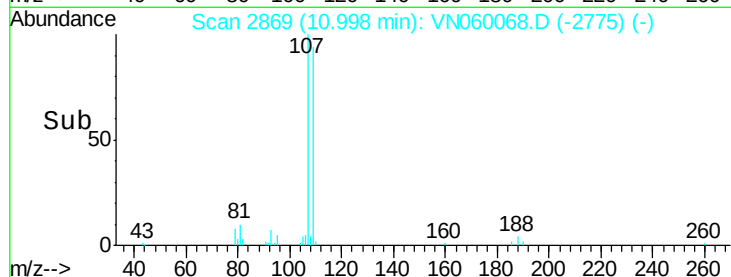
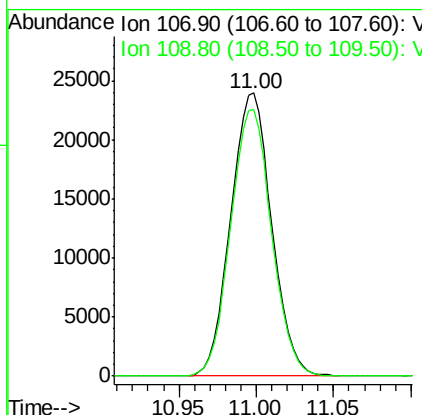
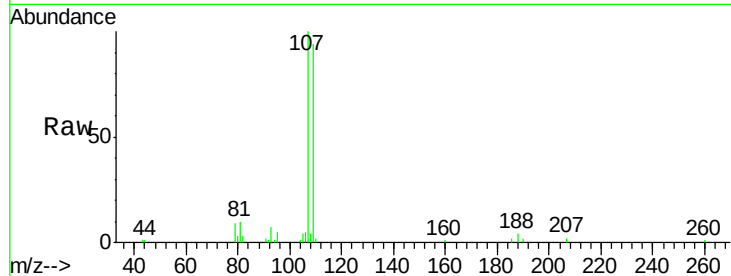
#61  
 1,2-Dibromoethane  
 Concen: 20.056 ug/l  
 RT: 11.00 min Scan# 2869  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

Tot Ion: 107 Resp: 43974  
 Ion Ratio Lower Upper  
 107 100  
 109 94.3 75.4 113.0

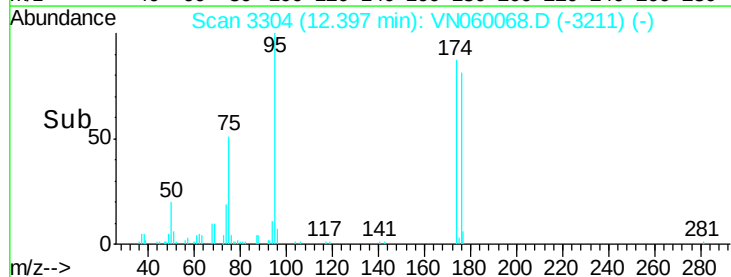
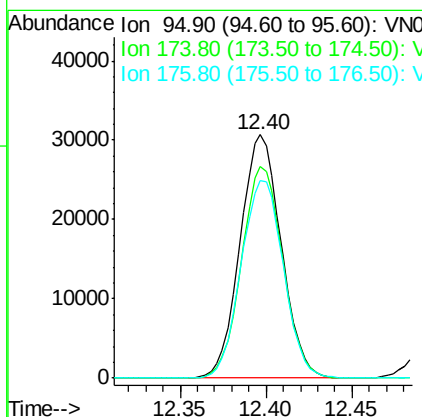
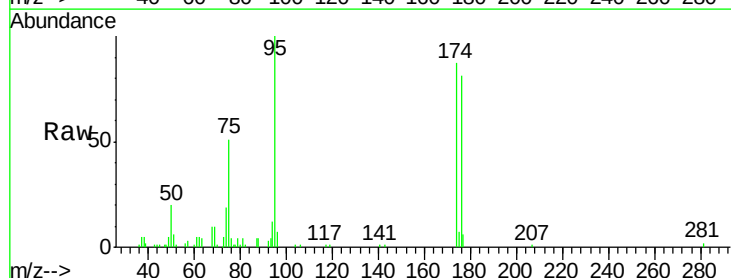
Manual Integrations  
 APPROVED

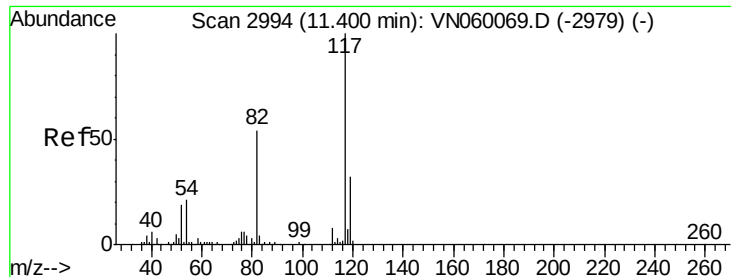
MMDadoda  
 2/13/2020 10:37:05 AM



#62  
 4-Bromofluorobenzene  
 Concen: 19.272 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Tgt Ion: 95 Resp: 50894  
 Ion Ratio Lower Upper  
 95 100  
 174 87.1 0.0 169.8  
 176 83.6 0.0 164.8





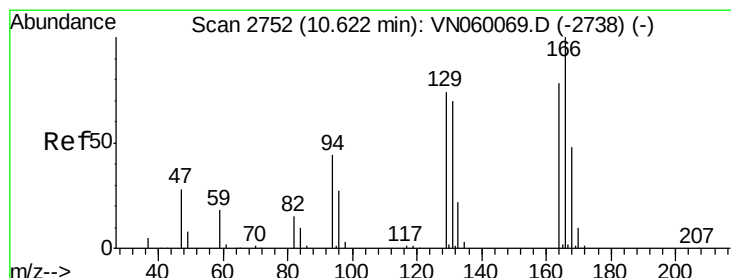
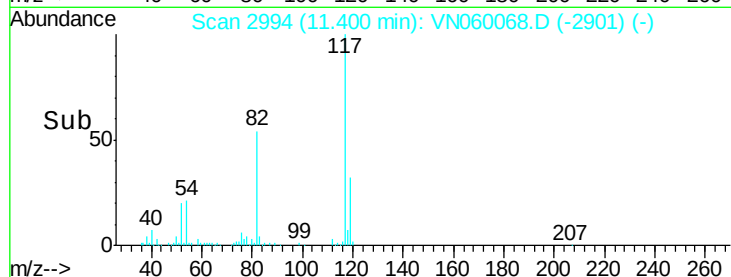
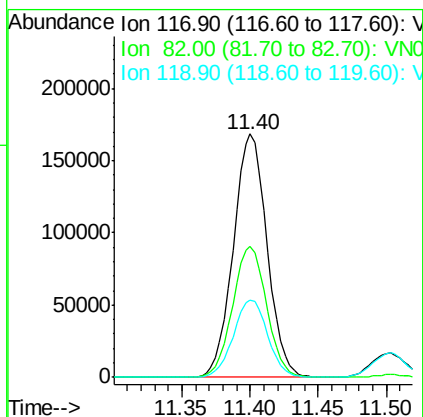
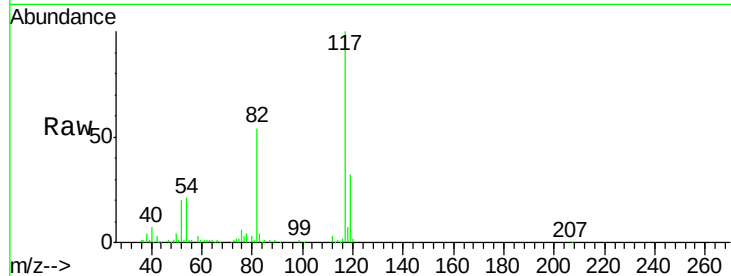
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 288273 |       |       |
| 82      | 54.0  |        | 43.4  | 65.0  |
| 119     | 31.9  |        | 25.8  | 38.6  |

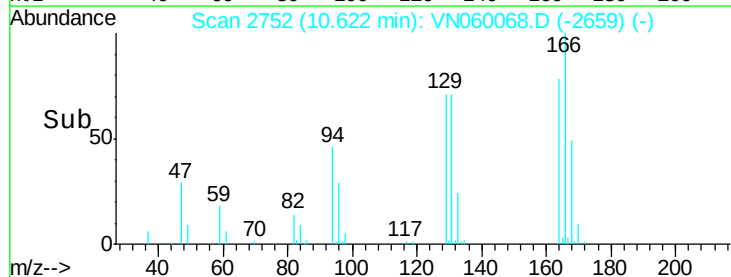
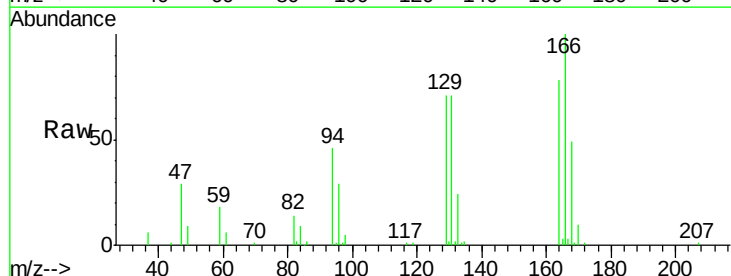
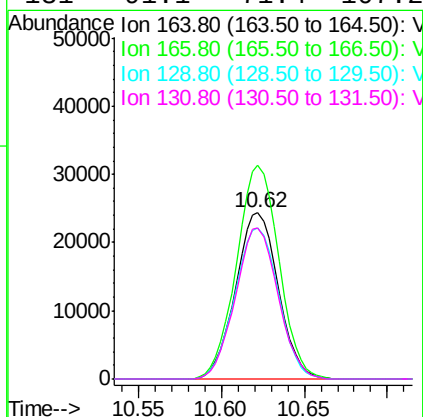
Manual Integrations  
APPROVED

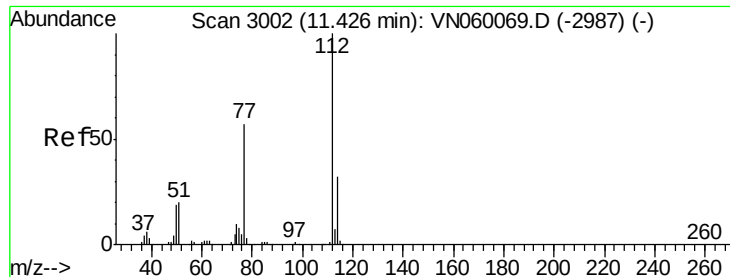
MMDadoda  
2/13/2020 10:37:05 AM



#64  
Tetrachloroethene  
Concen: 19.266 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 43567 |       |       |
| 166     | 128.7 |       | 101.9 | 152.9 |
| 129     | 91.0  |       | 75.4  | 113.0 |
| 131     | 91.1  |       | 71.4  | 107.2 |





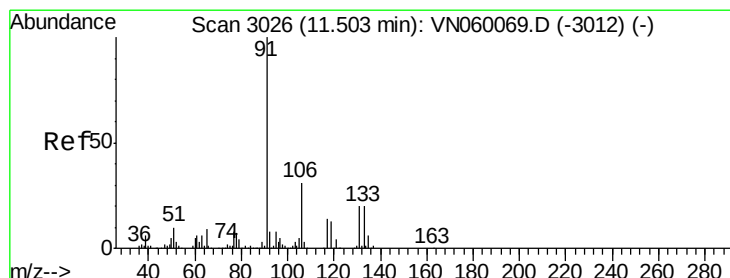
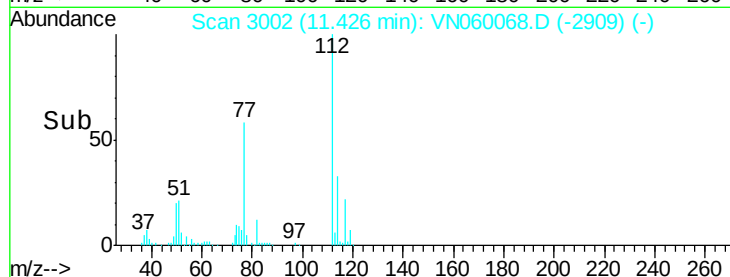
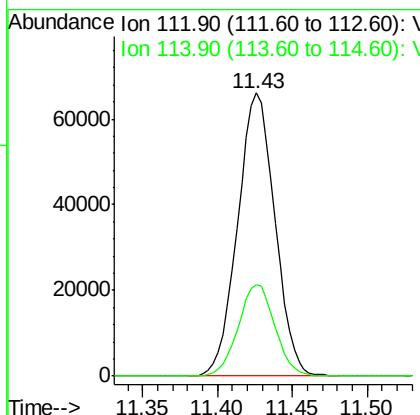
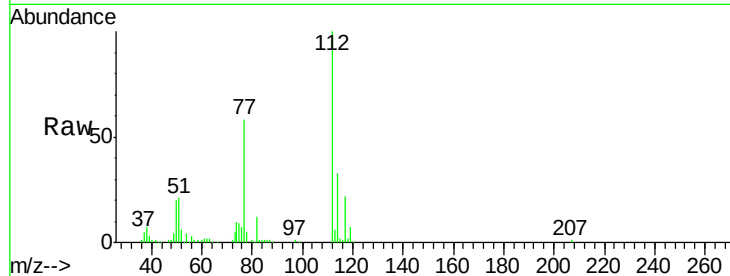
#65  
Chlorobenzene  
Concen: 19.413 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.5  | 25.4  | 38.0  |

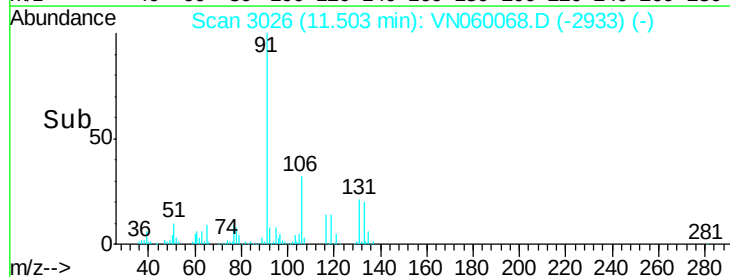
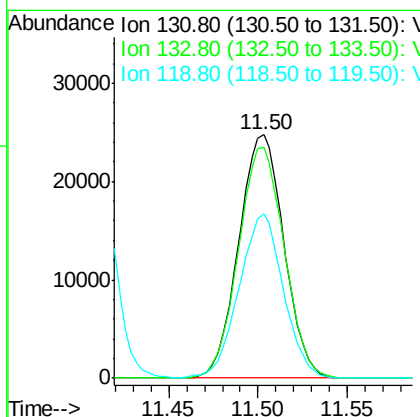
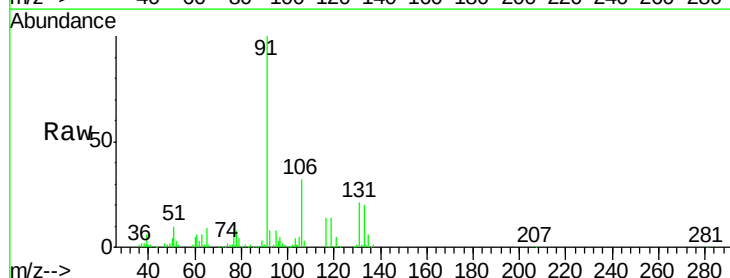
Manual Integrations  
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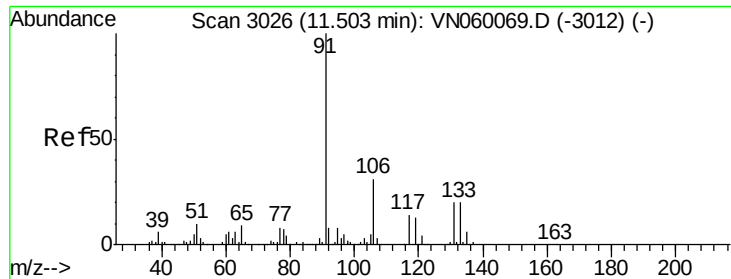
MMDadoda  
2/13/2020 10:37:05 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.860 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.2  | 47.9  | 143.7 |
| 119     | 66.3  | 32.6  | 97.7  |





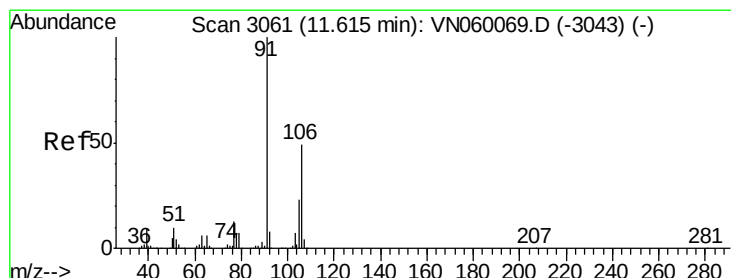
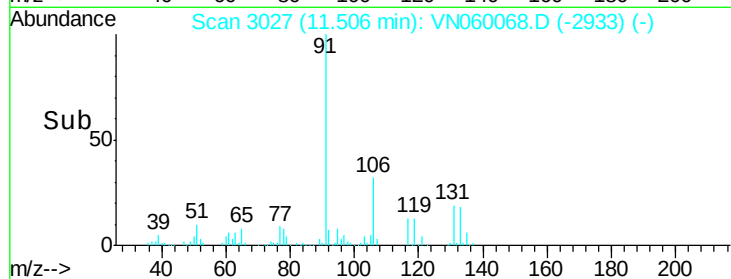
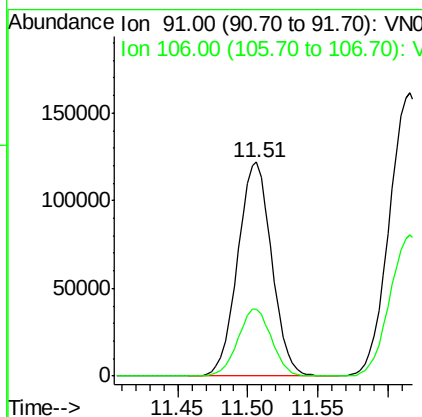
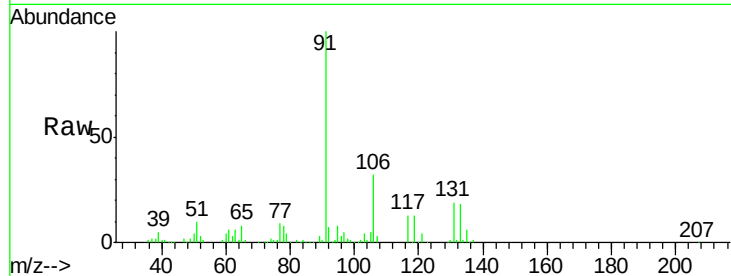
#67  
Ethyl Benzene  
Concen: 19.401 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

Tot Ion: 91 Resp: 205922  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.1 37.7

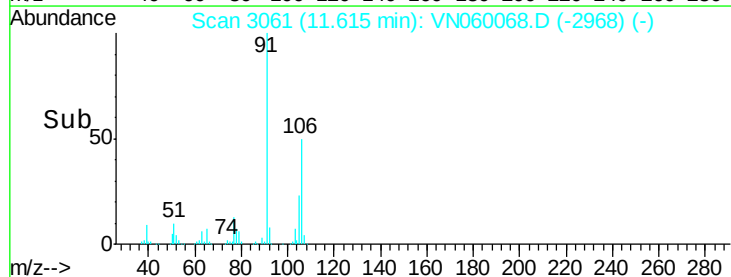
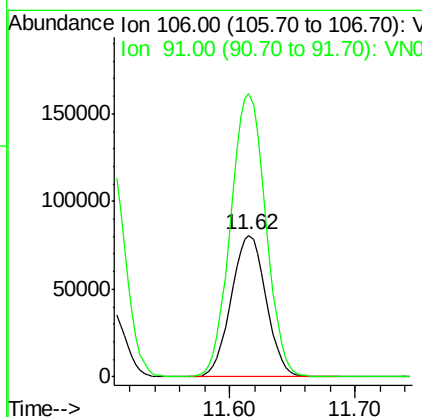
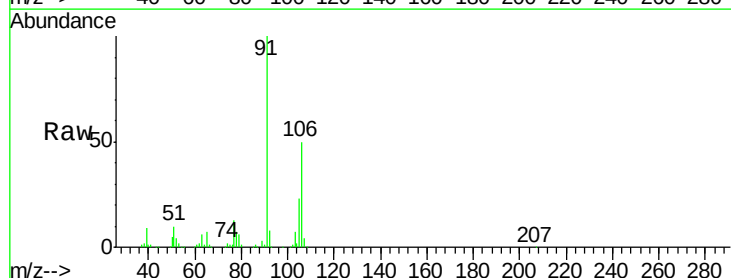
Manual Integrations  
APPROVED

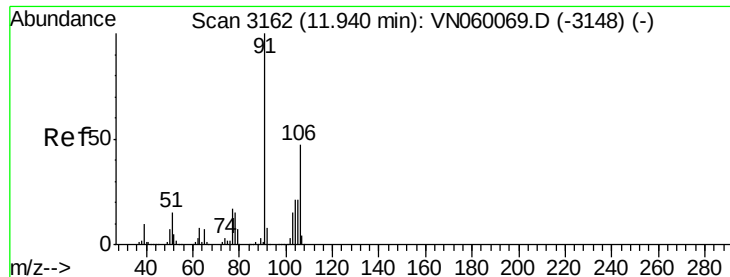
MMDadoda  
2/13/2020 10:37:05 AM



#68  
m/p-Xylenes  
Concen: 39.405 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Tgt Ion: 106 Resp: 155648  
Ion Ratio Lower Upper  
106 100  
91 201.8 162.7 244.1





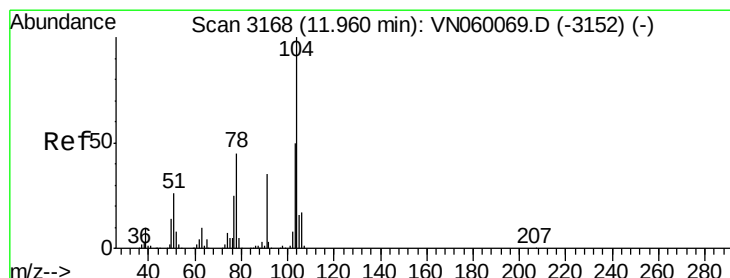
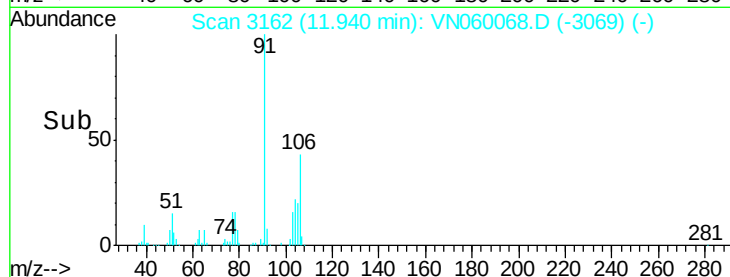
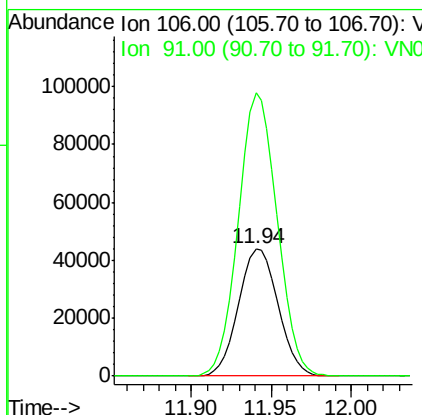
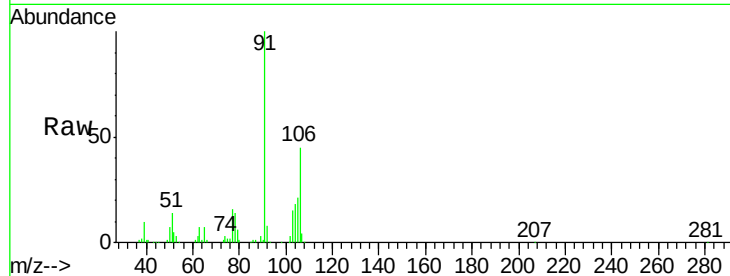
#69  
o-Xylene  
Concen: 19.588 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

Tot Ion:106 Resp: 74355  
Ion Ratio Lower Upper  
106 100  
91 217.1 107.2 321.6

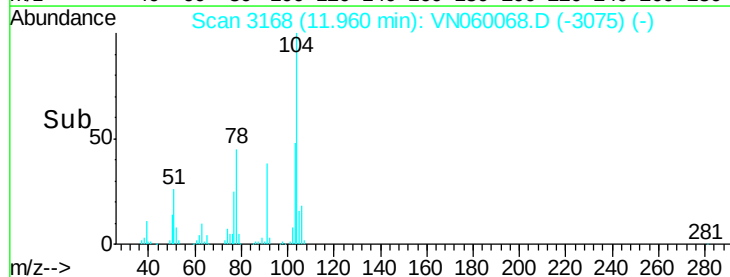
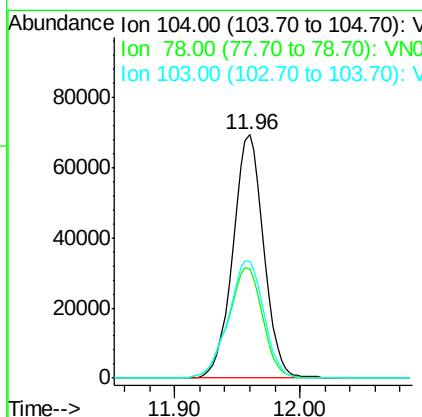
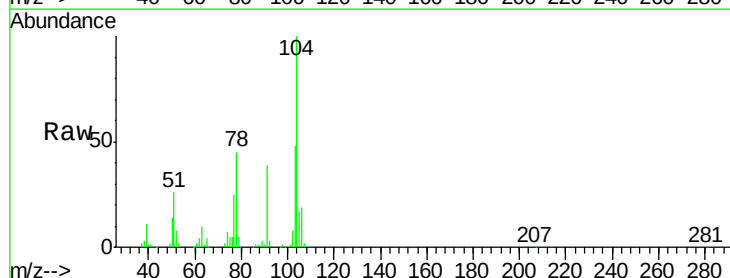
Manual Integrations  
APPROVED

MMDadoda  
2/13/2020 10:37:05 AM

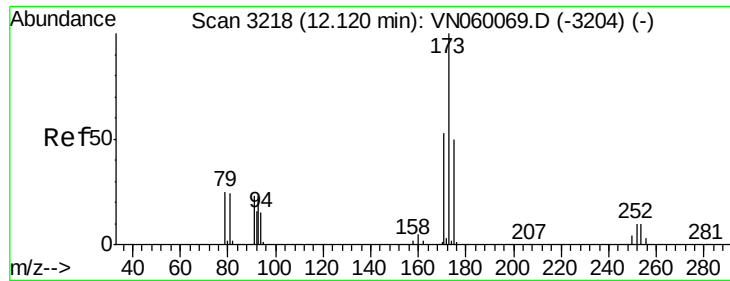


#70  
Styrene  
Concen: 20.117 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Tgt Ion:104 Resp: 118466  
Ion Ratio Lower Upper  
104 100  
78 51.0 40.2 60.2  
103 55.3 44.3 66.5







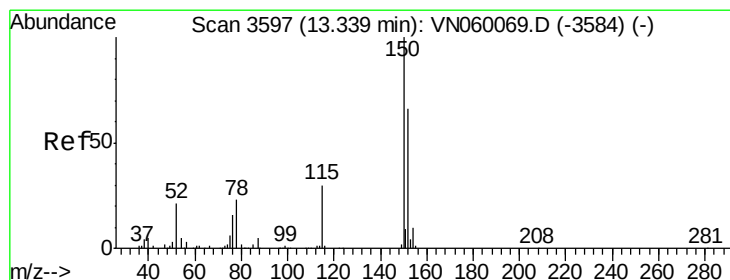
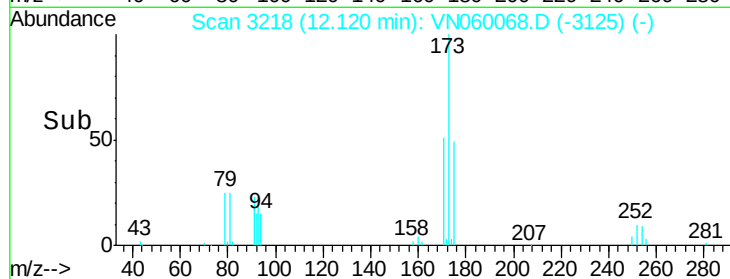
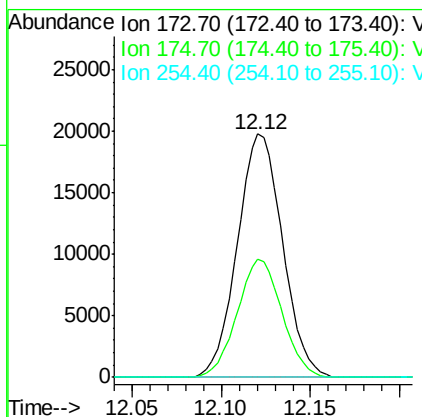
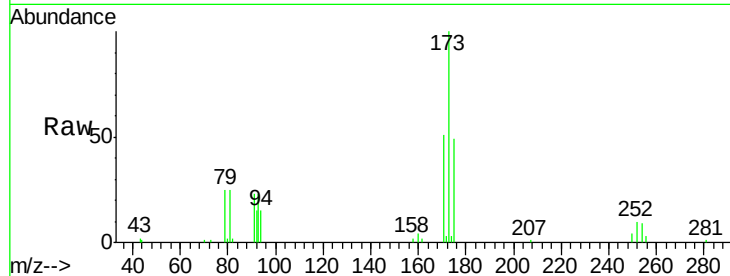
#71  
Bromoform  
Concen: 20.641 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.8  | 24.9  | 74.6  |
| 254     | 0.0   | 0.0   | 0.0   |

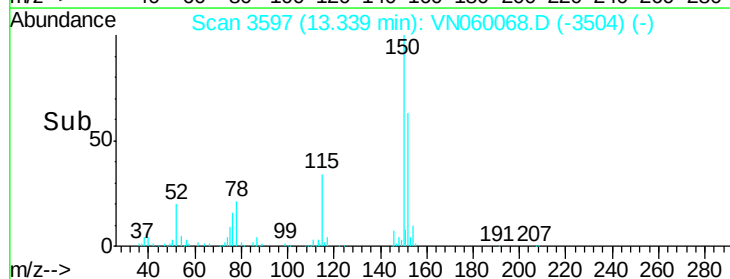
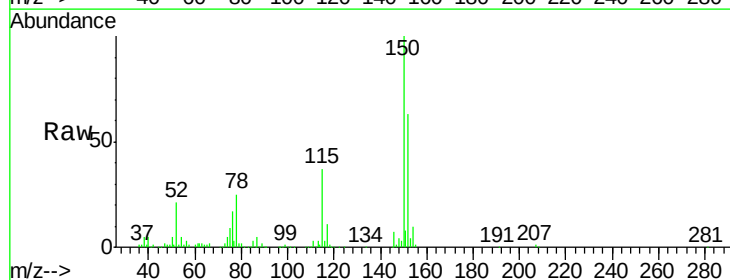
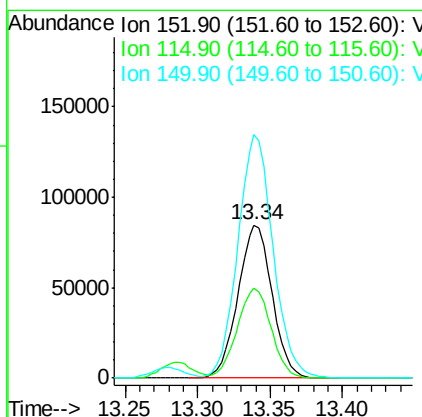
Manual Integrations  
APPROVED

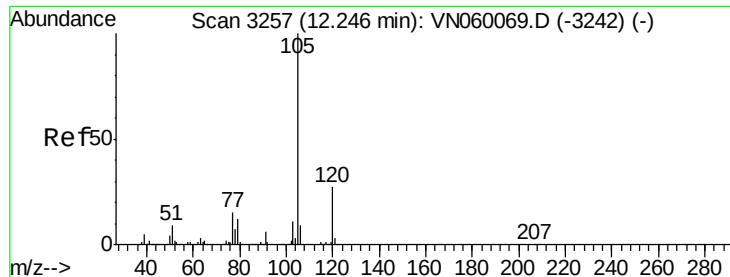
MMDadoda  
2/13/2020 10:37:05 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.8  | 28.9  | 86.8  |
| 150     | 164.0 | 0.0   | 342.4 |





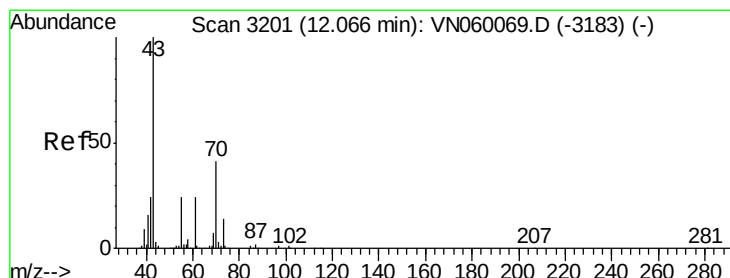
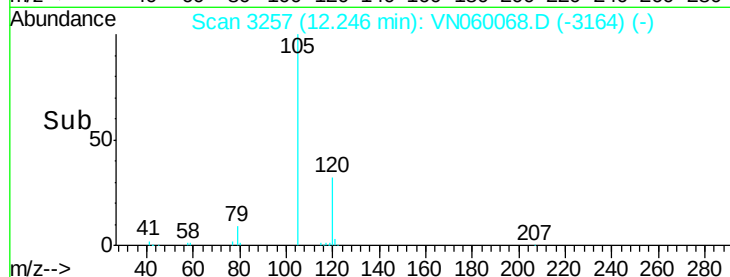
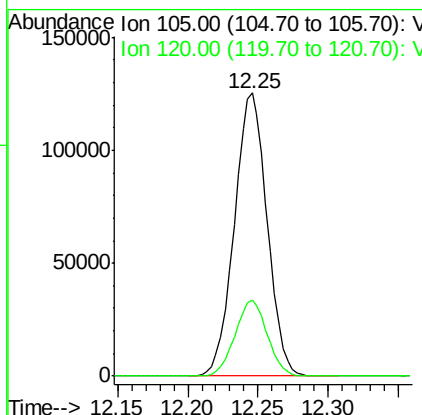
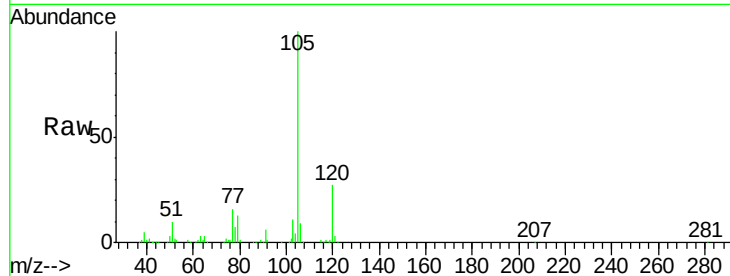
#73  
Isopropylbenzene  
Concen: 19.254 ug/l  
RT: 12.25 min Scan# 3257  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.5  | 13.3  | 39.8  |

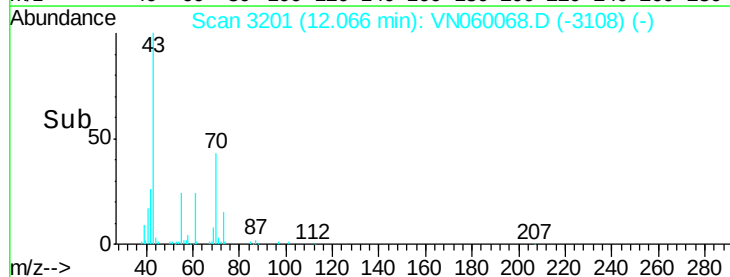
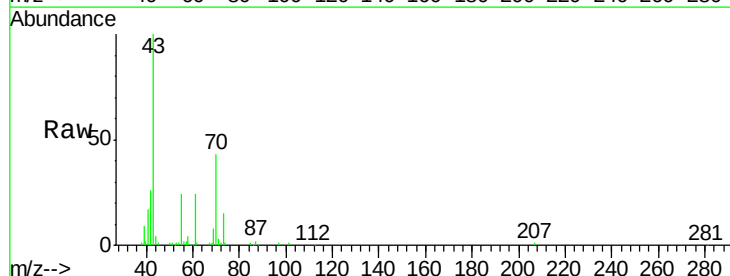
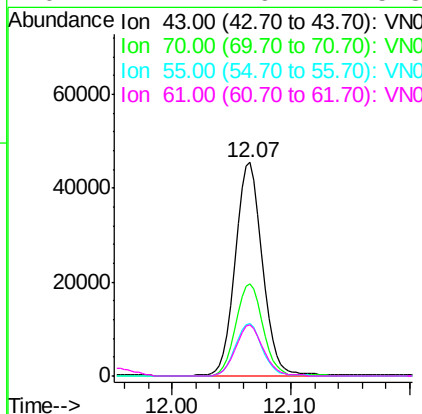
Manual Integrations  
APPROVED

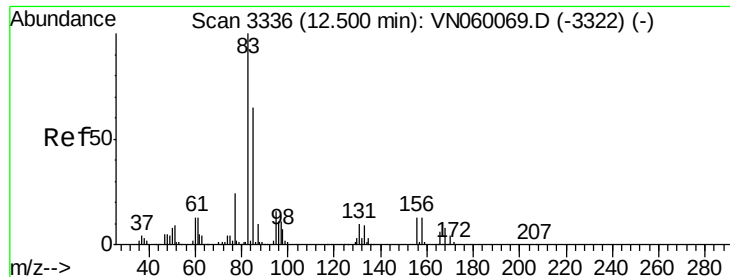
MMDadoda  
2/13/2020 10:37:05 AM



#74  
N-ethyl acetate  
Concen: 20.095 ug/l  
RT: 12.07 min Scan# 3201  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 43.3  | 33.4  | 50.0  |
| 55      | 24.6  | 18.8  | 28.2  |
| 61      | 24.1  | 19.2  | 28.8  |





#75

1,1,2,2-Tetrachloroethane

Concen: 20.134 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

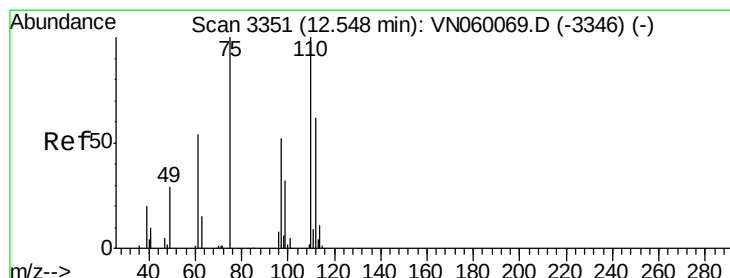
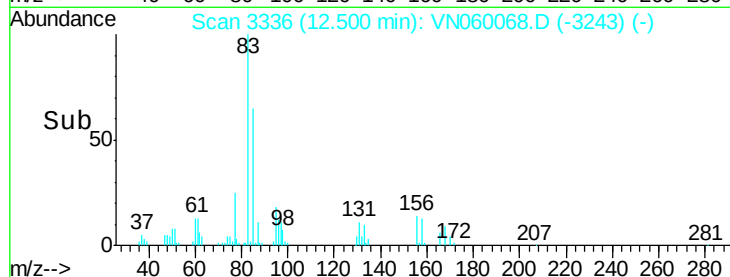
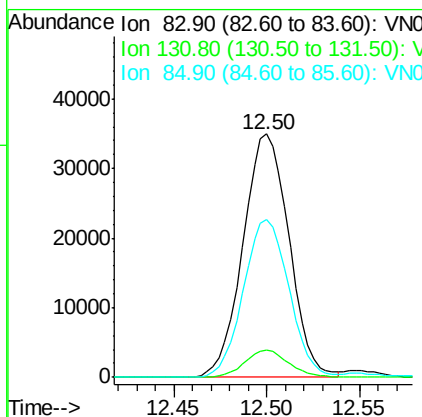
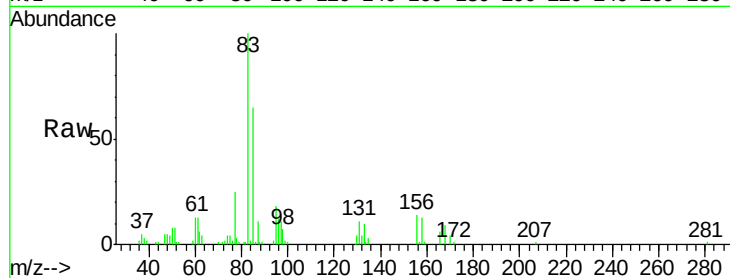
ClientSampleId :

VSTDIC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 60266 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.6  | 5.2   | 15.6  |
| 85        | 64.4  | 32.3  | 96.9  |

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2/13/2020 10:37:05 AM



#76

1,2,3-Trichloropropane

Concen: 14.747 ug/l m

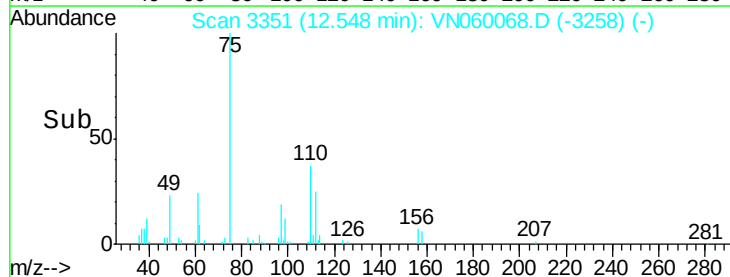
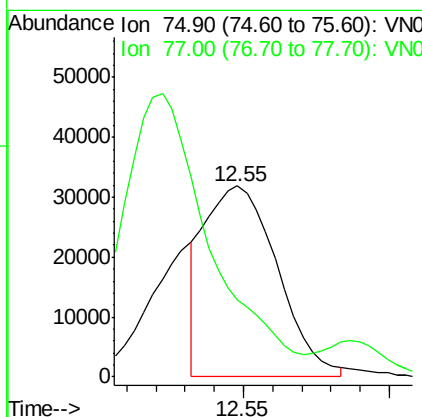
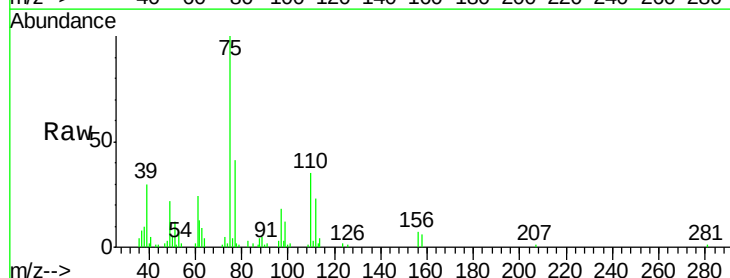
RT: 12.55 min Scan# 3351

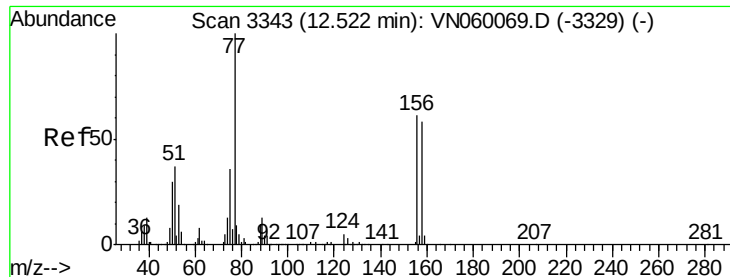
Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 55408 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 19.647 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

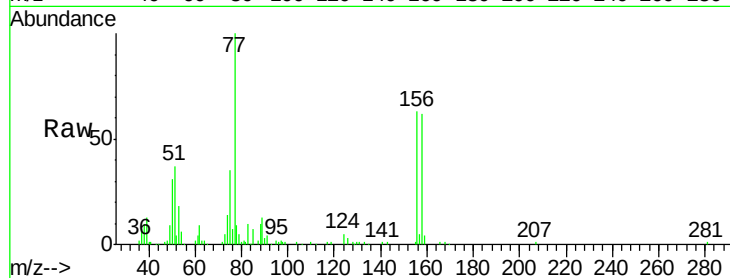
ClientSampleId :

VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 195.6 | 98.7  | 296.1 |
| 158     | 96.7  | 48.1  | 144.4 |

Manual Integrations  
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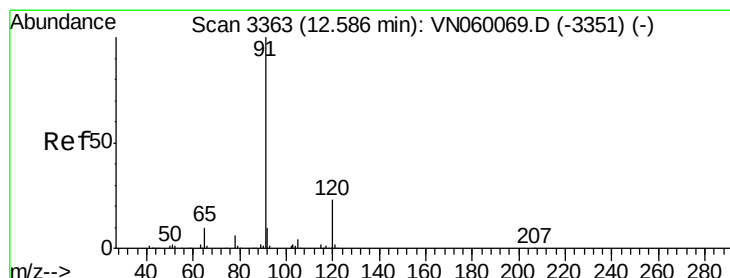
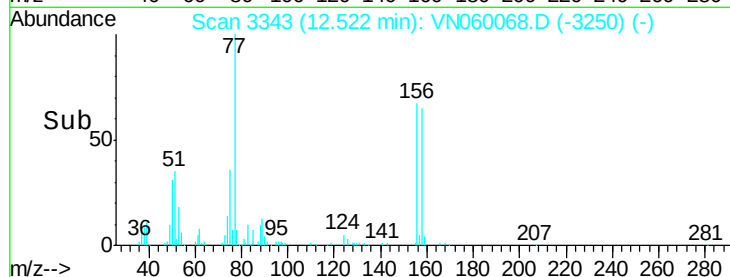
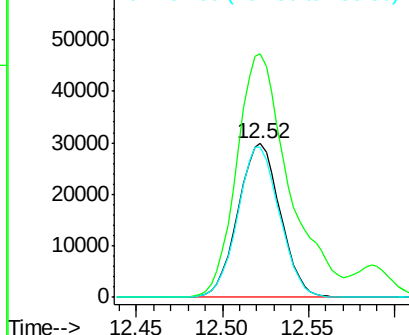
MMDadoda  
2/13/2020 10:37:05 AM



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: 19.051 ug/l

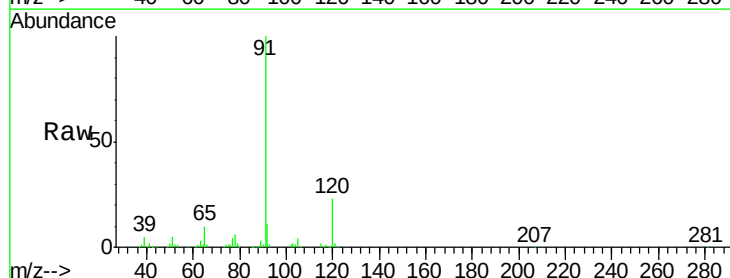
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060068.D

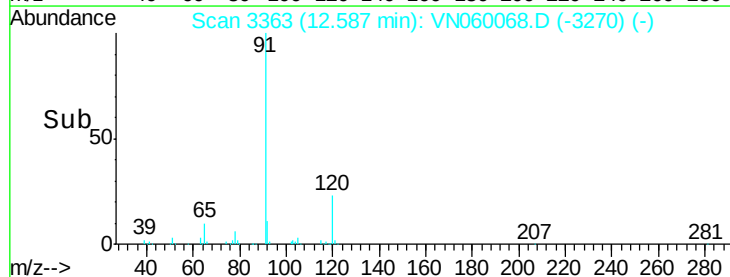
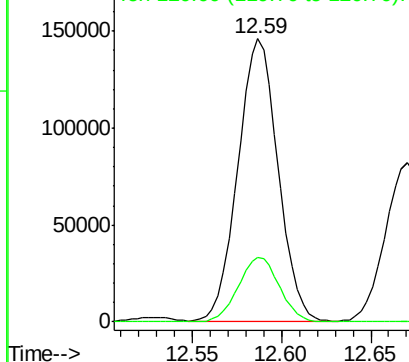
Acq: 12 Feb 2020 12:05

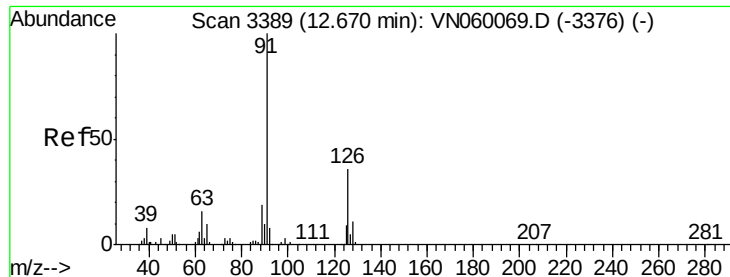
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.4  | 11.5  | 34.5  |



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.983 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 134381

Ion Ratio Lower Upper

91 100

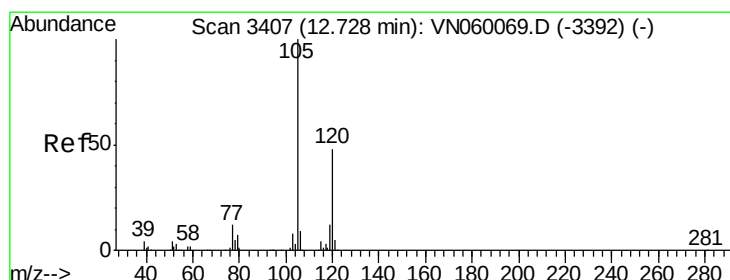
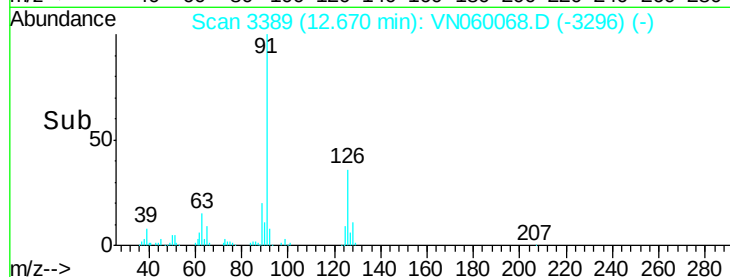
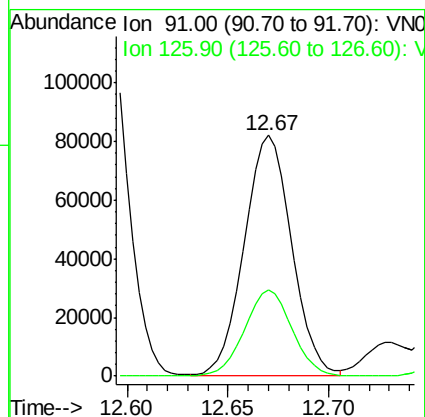
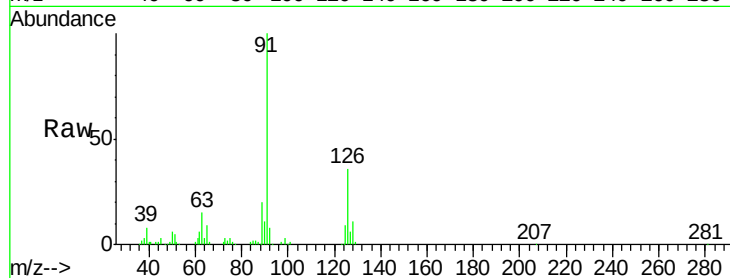
126 35.8 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.497 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060068.D

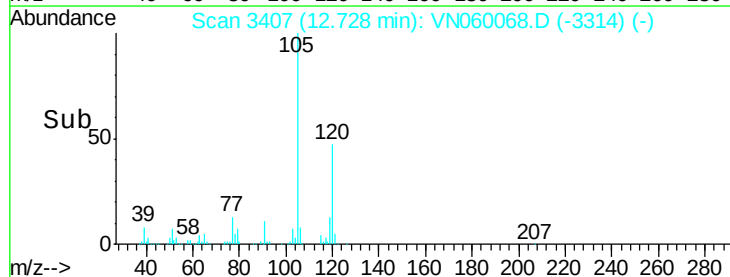
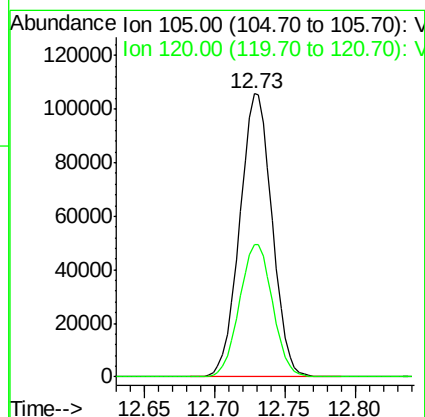
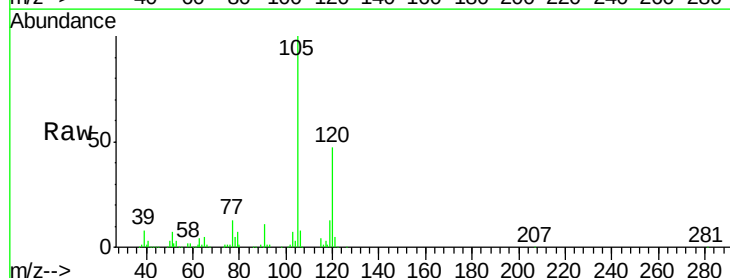
Acq: 12 Feb 2020 12:05

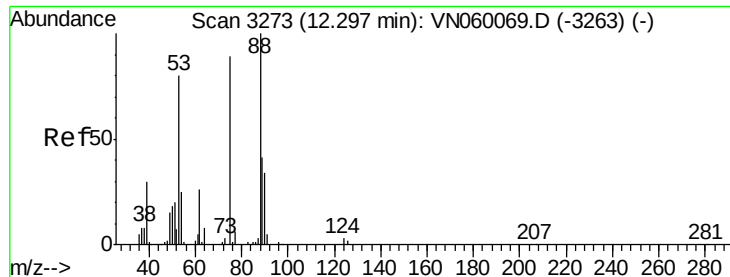
Tgt Ion: 105 Resp: 170123

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 20.251 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

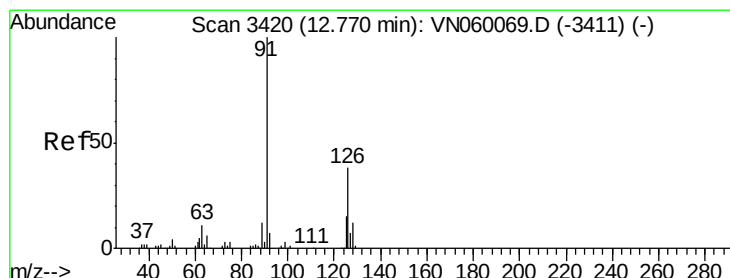
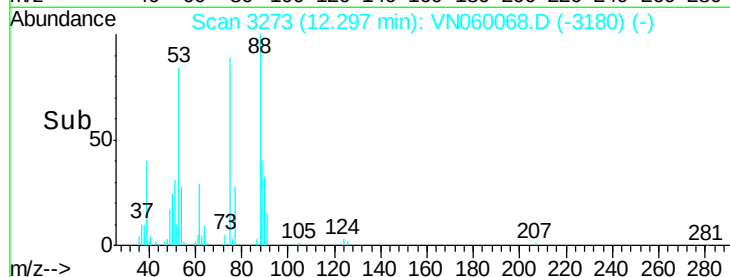
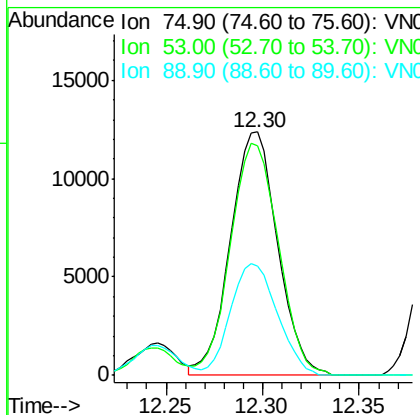
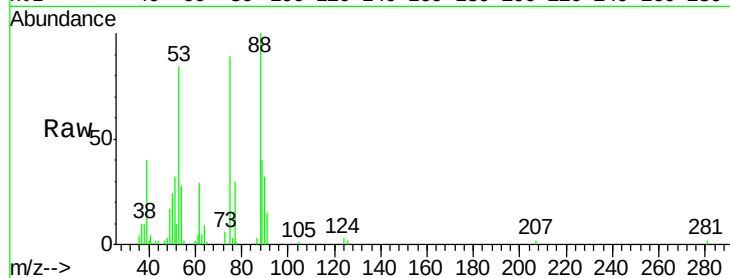
ClientSampled :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 21037 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 97.2  | 73.9  | 110.9 |
| 89       | 45.4  | 37.0  | 55.4  |

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:05 AM



#82

4-Chlorotoluene

Concen: 19.382 ug/l

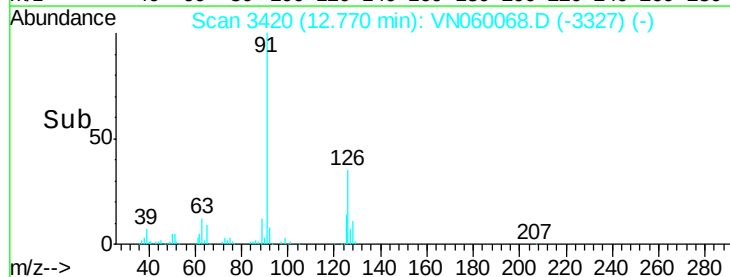
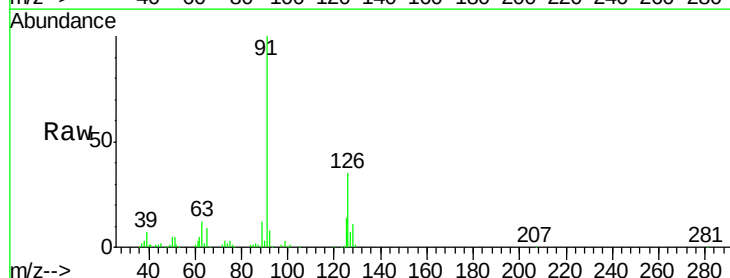
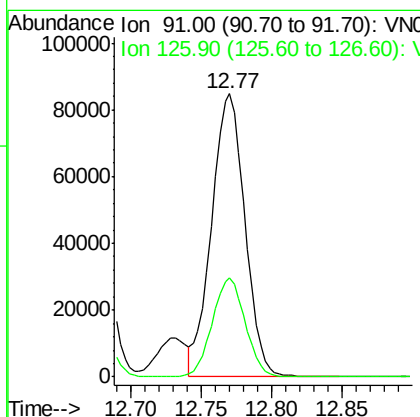
RT: 12.77 min Scan# 3420

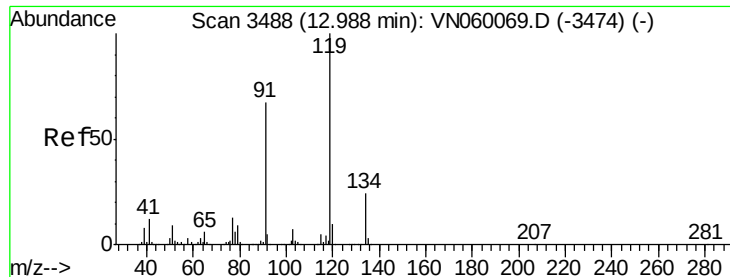
Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 138916 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.7  | 17.1  | 51.3   |





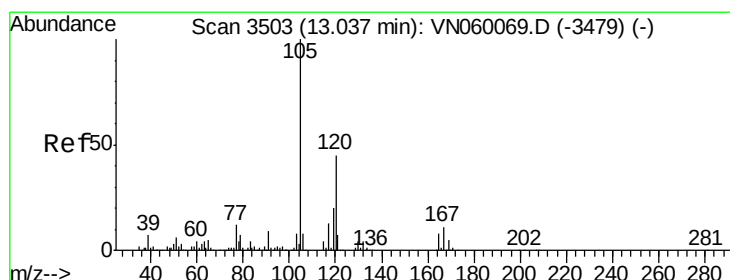
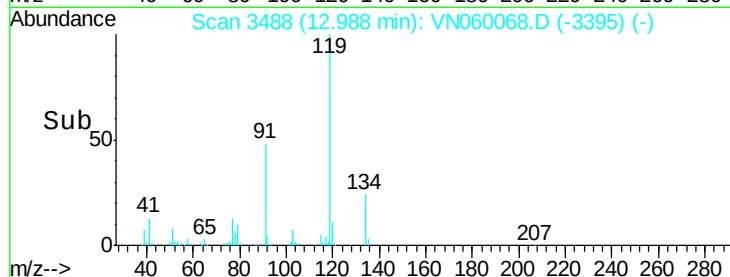
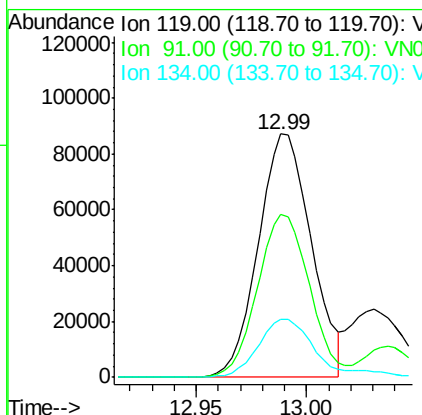
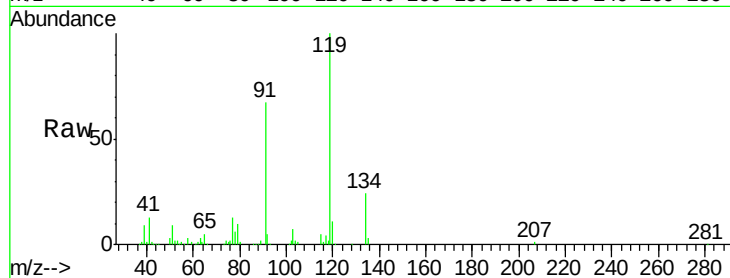
#83  
 tert-Butylbenzene  
 Concen: 18.519 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.7  | 32.7  | 98.1  |
| 134     | 26.2  | 12.9  | 38.7  |

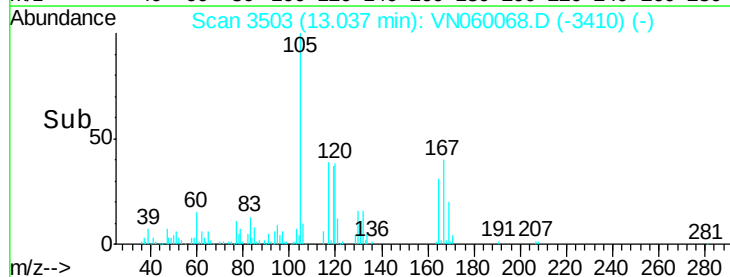
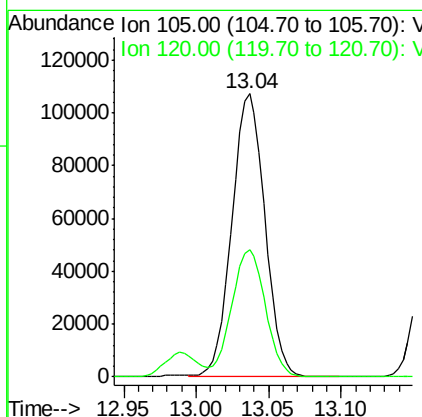
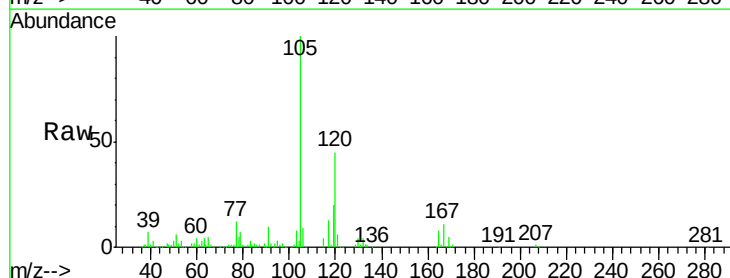
Manual Integrations  
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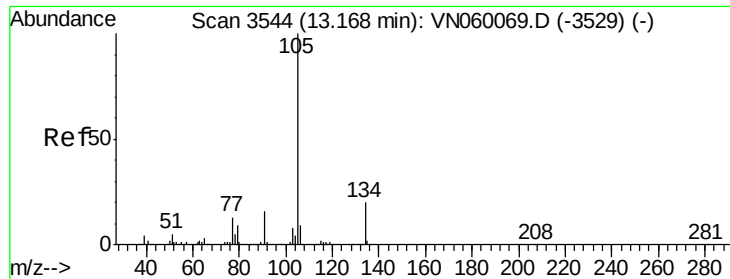
MMDadoda  
 2/13/2020 10:37:05 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.919 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.8  | 22.4  | 67.3  |





#85

sec-Butylbenzene

Concen: 19.249 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 197582

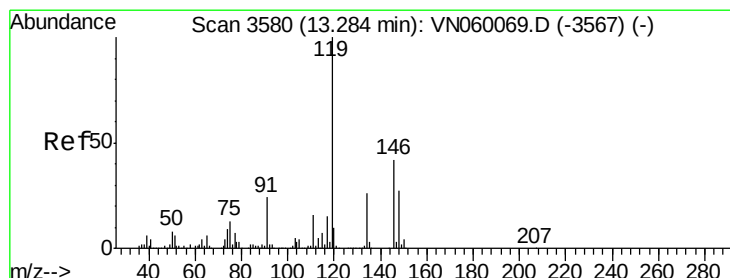
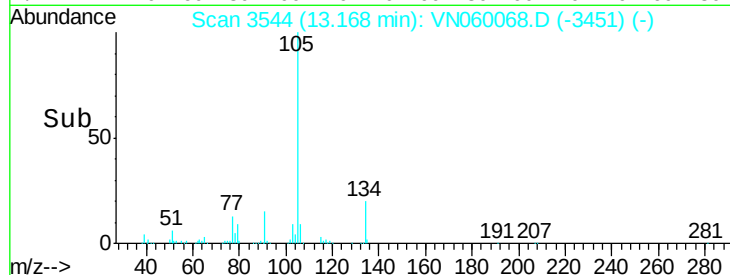
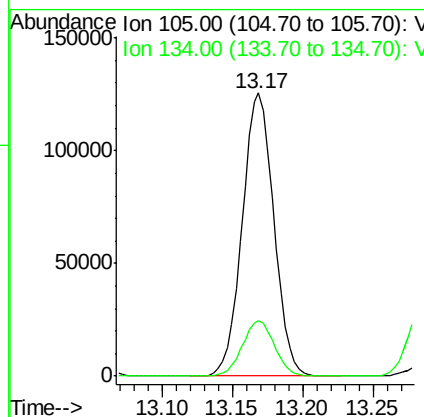
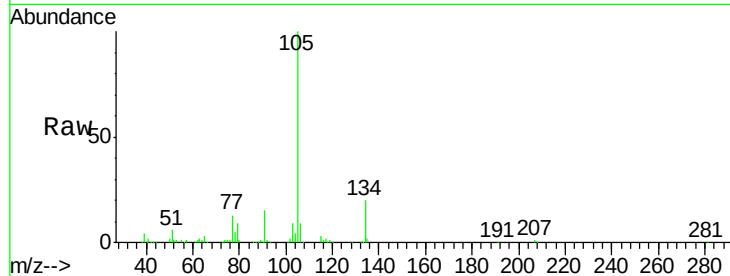
Ion Ratio Lower Upper

105 100

134 19.8 9.9 29.7

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:05 AM



#86

p-Isopropyltoluene

Concen: 19.401 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

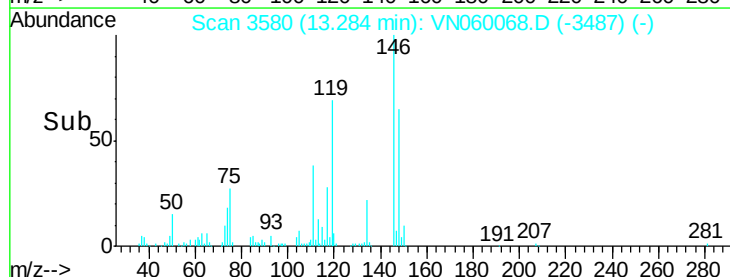
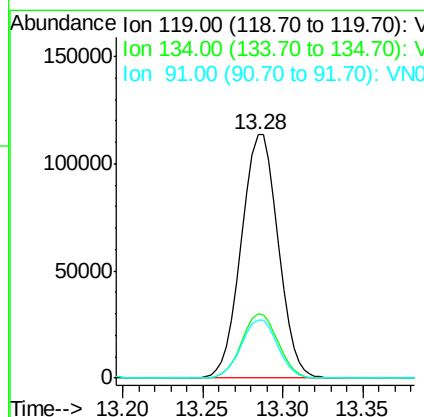
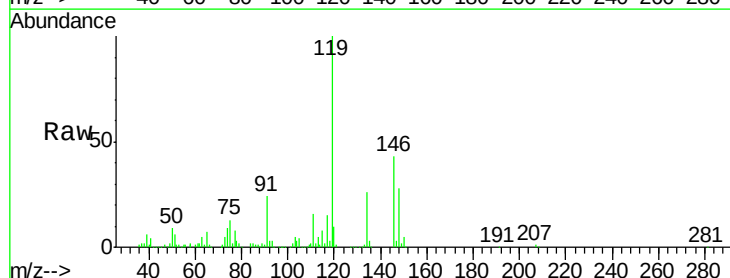
Tgt Ion:119 Resp: 178355

Ion Ratio Lower Upper

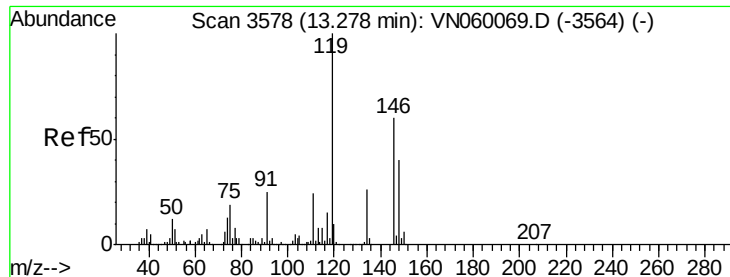
119 100

134 26.0 13.3 39.8

91 23.6 11.9 35.9







#87

1,3-Dichlorobenzene

Concen: 19.744 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060068.D

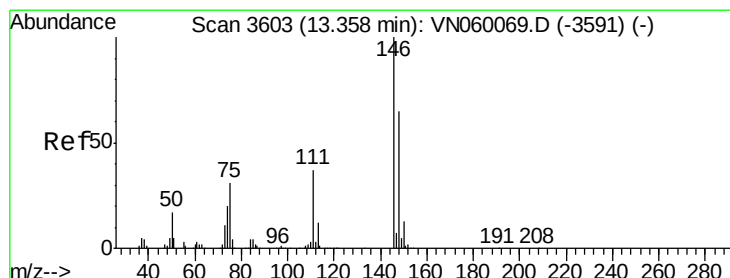
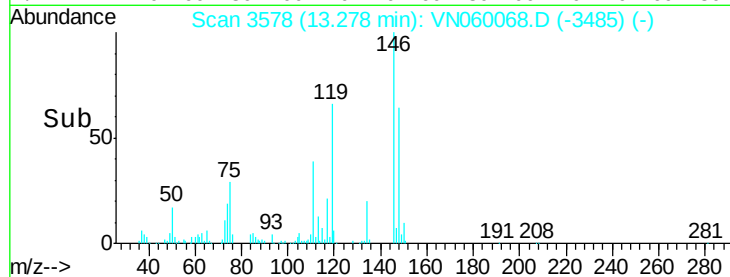
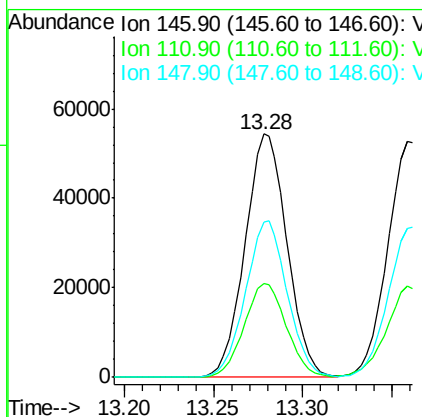
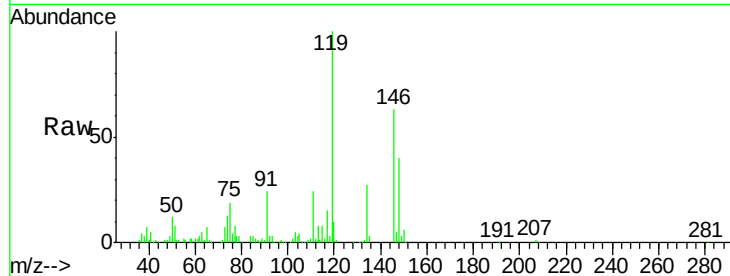
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.8  | 59.3  |
| 148     | 63.8  | 32.0  | 96.2  |

Manual Integrations  
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#88

1,4-Dichlorobenzene

Concen: 19.701 ug/l

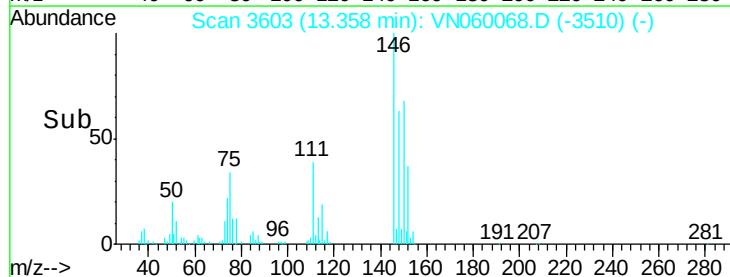
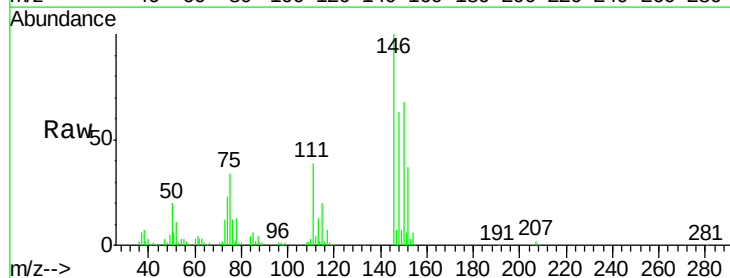
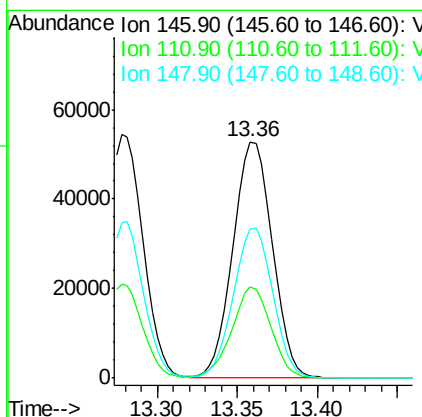
RT: 13.36 min Scan# 3603

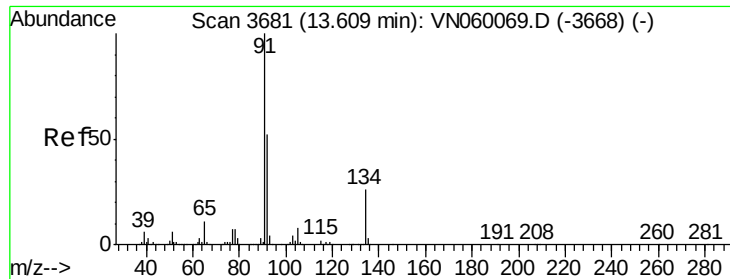
Delta R.T. 0.00 min

Lab File: VN060068.D

Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 18.9  | 56.5  |
| 148     | 63.5  | 32.0  | 96.0  |





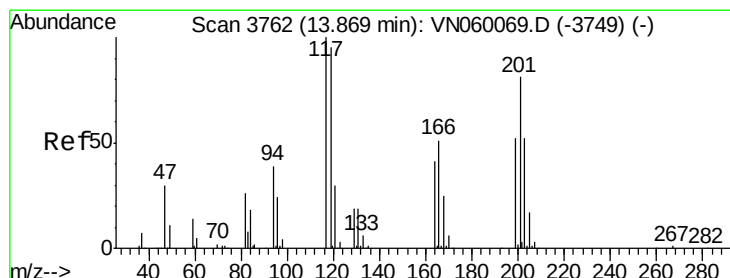
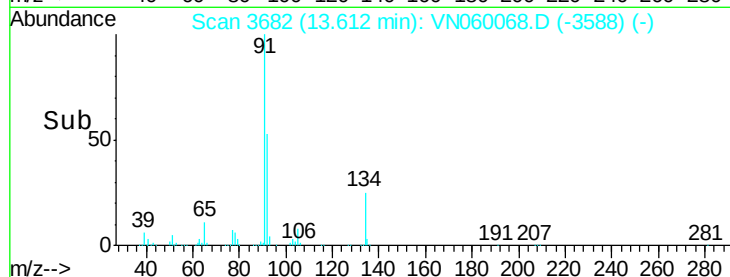
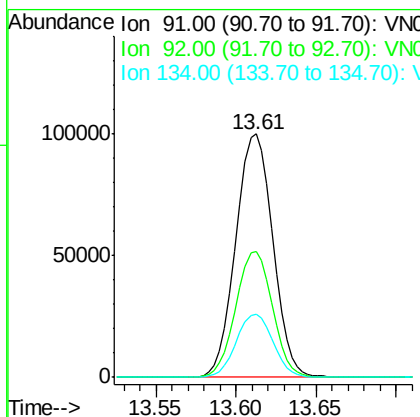
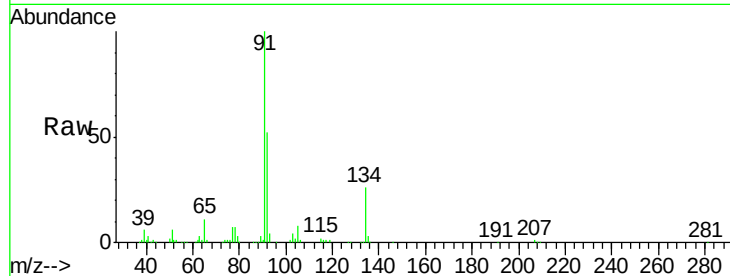
#89  
n-Butylbenzene  
Concen: 19.888 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.3  | 26.1  | 78.2  |
| 134     | 25.8  | 13.1  | 39.3  |

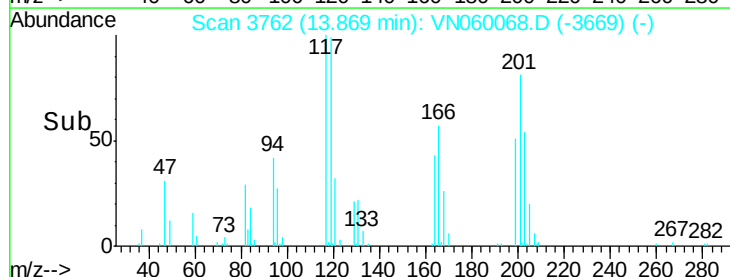
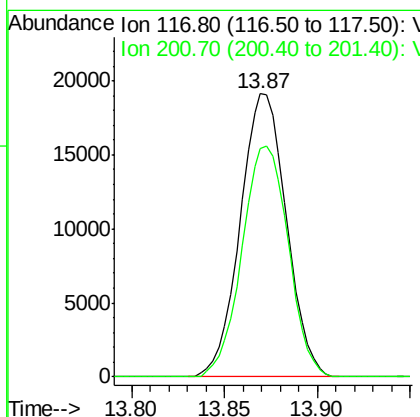
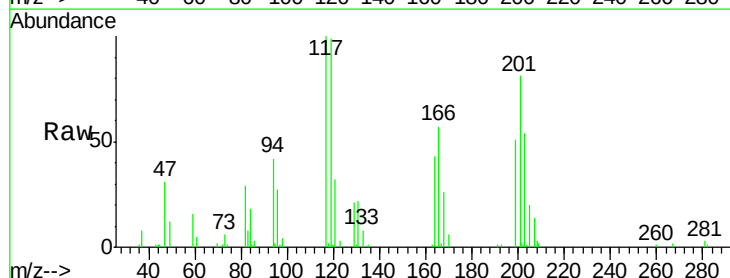
Manual Integrations  
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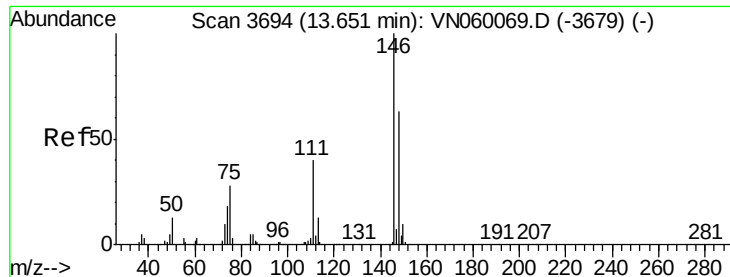
MMDadoda  
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#90  
Hexachloroethane  
Concen: 19.340 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 81.6  | 41.7  | 125.1 |





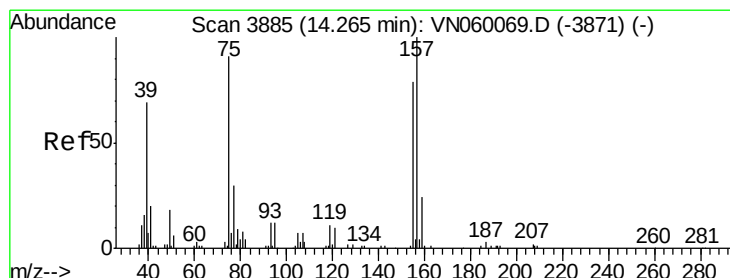
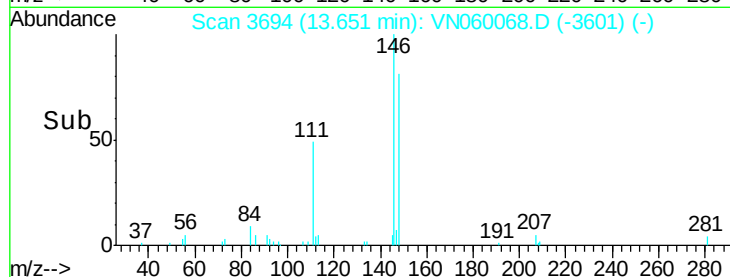
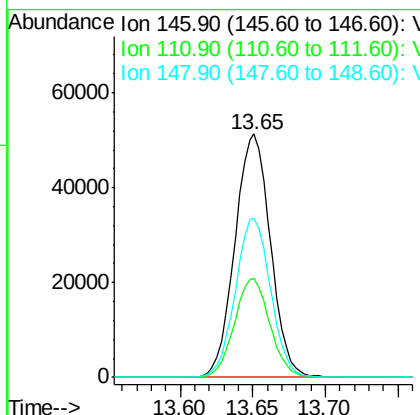
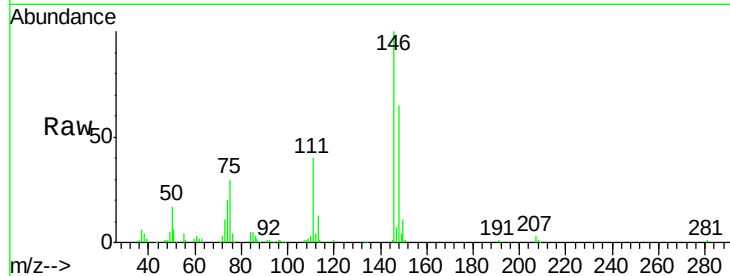
#91  
 1,2-Dichlorobenzene  
 Concen: 19.391 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.2  | 20.1  | 60.2  |
| 148     | 64.9  | 31.9  | 95.5  |

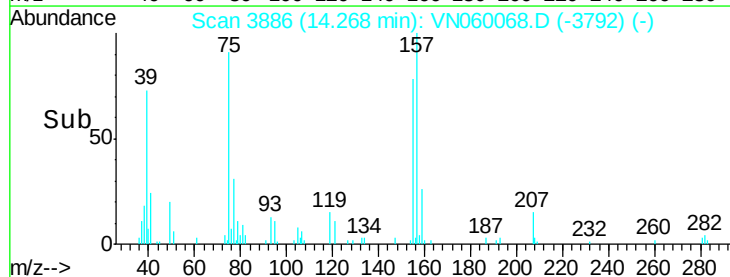
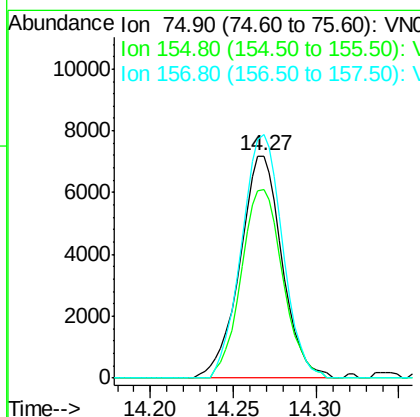
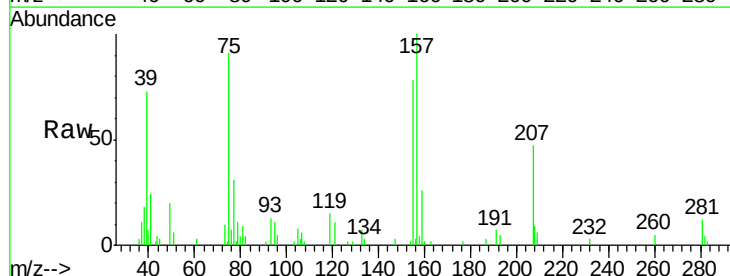
Manual Integrations  
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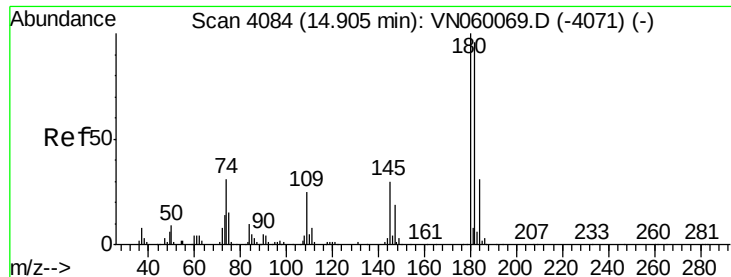
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.761 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 83.9  | 43.0  | 129.0 |
| 157     | 106.5 | 54.9  | 164.5 |





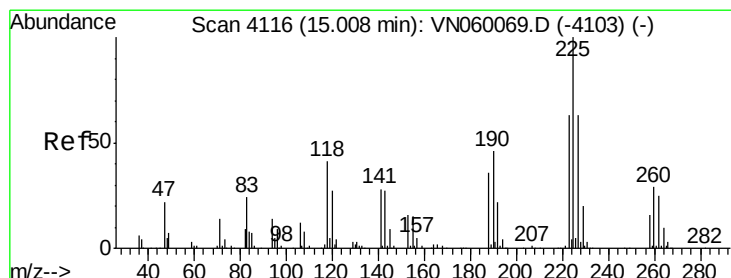
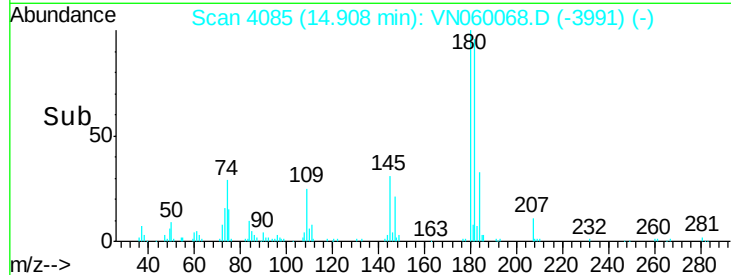
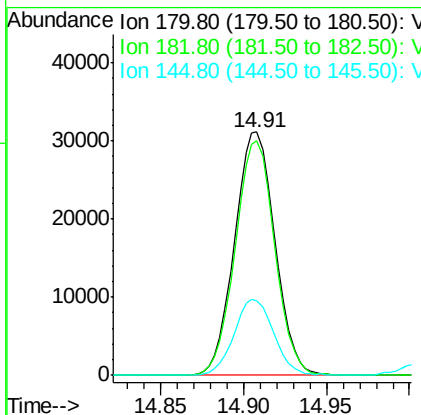
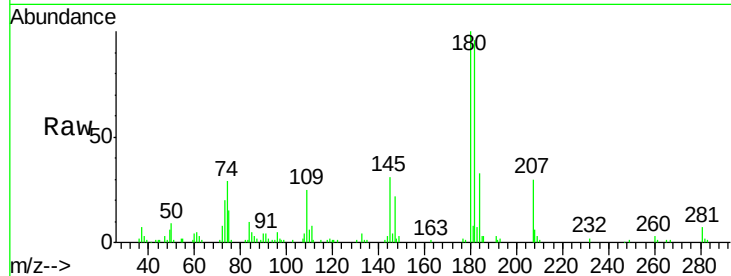
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.998 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDIC020

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 52692 |       |       |
| 182     | 94.2  |       | 47.9  | 143.8 |
| 145     | 30.5  |       | 15.2  | 45.5  |

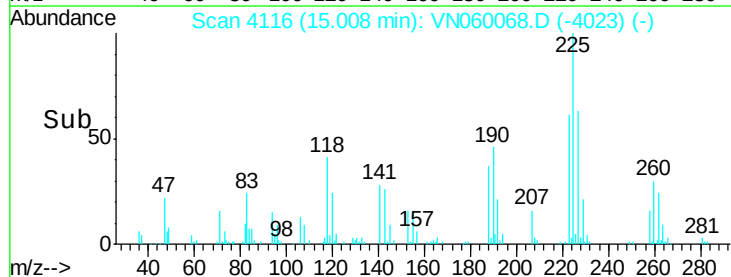
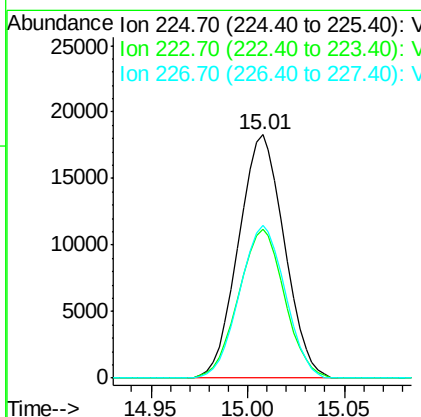
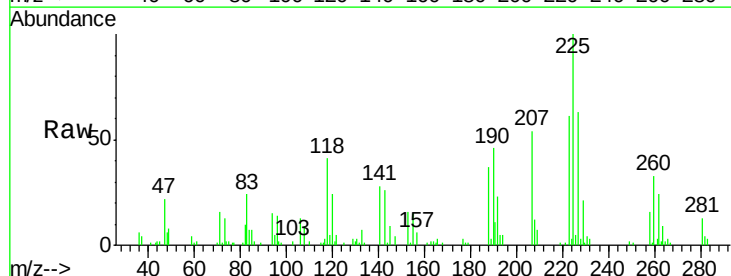
Manual Integrations  
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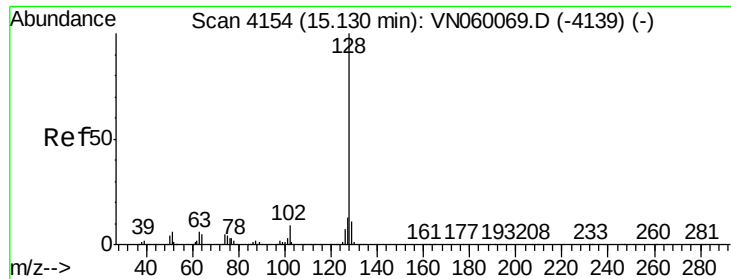
MMDadoda  
 2/13/2020 10:37:05 AM



#94  
 Hexachlorobutadiene  
 Concen: 19.051 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN060068.D  
 Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 30148 |       |       |
| 223     | 61.3  |       | 31.5  | 94.5  |
| 227     | 62.4  |       | 31.8  | 95.4  |





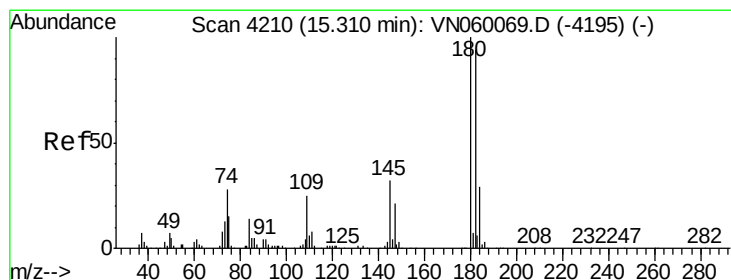
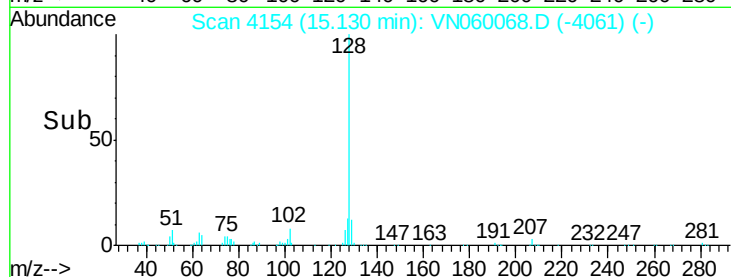
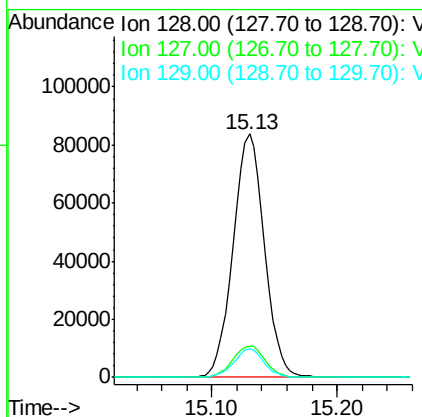
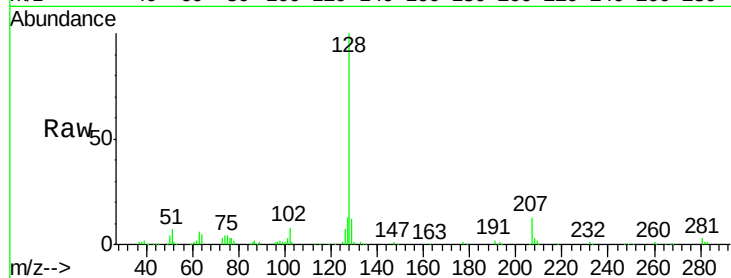
#95  
Naphthalene  
Concen: 21.931 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.3  | 15.5  |
| 129     | 11.1  | 8.6   | 13.0  |

Manual Integrations  
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2/13/2020 10:37:05 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 20.757 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. 0.00 min  
Lab File: VN060068.D  
Acq: 12 Feb 2020 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 47.5  | 142.5 |
| 145     | 31.2  | 16.1  | 48.3  |

