

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\  
 Data File : VN060075.D  
 Acq On : 12 Feb 2020 15:42  
 Operator : JC/MD  
 Sample : VN0212WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 2/13/2020 10:37:30 AM

Quant Time: Feb 13 01:02:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 218867   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 344668   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 322709   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 156120   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 141320   | 53.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.12% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 111556   | 52.65 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.30% |      |
| 50) Toluene-d8            | 10.08  | 98  | 440899   | 52.85 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.70% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 160116   | 52.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.46% |      |

## Target Compounds

|                               |      |     |        |         |      | Qvalue |
|-------------------------------|------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 46740  | 21.365  | ug/l | 99     |
| 3) Chloromethane              | 2.04 | 50  | 54215  | 20.824  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.17 | 62  | 60309  | 20.323  | ug/l | 98     |
| 5) Bromomethane               | 2.55 | 94  | 37319  | 20.510  | ug/l | 98     |
| 6) Chloroethane               | 2.69 | 64  | 30456  | 20.291  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 77385  | 20.226  | ug/l | 97     |
| 8) Diethyl Ether              | 3.38 | 74  | 26505  | 20.811  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 43787  | 20.614  | ug/l | 100    |
| 10) Methyl Iodide             | 3.93 | 142 | 52273  | 19.889  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 40431  | 101.448 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 43222  | 20.887  | ug/l | 95     |
| 13) Acrolein                  | 3.58 | 56  | 36406  | 92.417  | ug/l | 98     |
| 14) Allyl chloride            | 4.29 | 41  | 58593  | 19.238  | ug/l | 99     |
| 15) Acrylonitrile             | 4.94 | 53  | 99888  | 102.629 | ug/l | 100    |
| 16) Acetone                   | 3.78 | 43  | 104829 | 90.238  | ug/l | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 126843 | 20.336  | ug/l | 99     |
| 18) Methyl Acetate            | 4.29 | 43  | 44802  | 20.530  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 142080 | 20.417  | ug/l | 98     |
| 20) Methylene Chloride        | 4.52 | 84  | 46947  | 20.256  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 46592  | 20.655  | ug/l | 96     |
| 22) Diisopropyl ether         | 5.91 | 45  | 134680 | 20.177  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.86 | 43  | 574002 | 102.401 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 83714  | 20.703  | ug/l | 99     |
| 25) 2-Butanone                | 6.80 | 43  | 143824 | 98.440  | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 78209  | 20.363  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 53424  | 20.237  | ug/l | 100    |
| 28) Bromochloromethane        | 7.17 | 49  | 33076  | 20.807  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 91423  | 101.999 | ug/l | 99     |
| 30) Chloroform                | 7.35 | 83  | 86031  | 20.311  | ug/l | 99     |
| 31) Cyclohexane               | 7.63 | 56  | 77516  | 20.579  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 79297  | 20.486  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 65150  | 20.408  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.90 | 43  | 59321  | 20.560  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 70586  | 20.359  | ug/l | 99     |

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 Operator : JC/MD  
 Sample : VN0212WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0212WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 2/13/2020 10:37:30 AM

Quant Time: Feb 13 01:02:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 80970    | 20.432  | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 192230   | 20.299  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 23855m   | 19.715  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 69630    | 20.979  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 101293   | 20.537  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 52537    | 20.036  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 48712    | 20.777  | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 33900    | 20.461  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.38  | 83   | 68392    | 20.304  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.18  | 41   | 43647    | 19.724  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 16872    | 446.244 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 289960   | 101.570 | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 125666   | 20.693  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 77177    | 20.298  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 82378    | 20.575  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 48122    | 20.312  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 69477    | 20.730  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 80193    | 20.514  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 173339   | 111.019 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.74 | 43   | 220048   | 99.784  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.89 | 129  | 54595    | 20.081  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 50403    | 20.295  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.62 | 164  | 49362    | 20.121  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 133641   | 20.327  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 51521    | 20.715  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.50 | 91   | 240896   | 20.315  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.61 | 106  | 181853   | 40.861  | ug/l   | 100      |
| 69) o-Xylene                   | 11.94 | 106  | 86660    | 20.224  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 139571   | 20.198  | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 39326    | 19.658  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.24 | 105  | 236220   | 20.262  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.06 | 43   | 86562    | 20.591  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 67841    | 20.217  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 60879m   | 20.382  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 58594    | 20.252  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 265326   | 19.976  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 157024   | 20.113  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 200043   | 20.637  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 23727    | 19.450  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 159559   | 19.920  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 171186   | 19.964  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 197437   | 20.634  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 226674   | 19.960  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 209222   | 20.334  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 102849   | 20.082  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 102350   | 19.989  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.61 | 91   | 178802   | 19.757  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 38493    | 20.026  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 100517   | 20.055  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 14866    | 20.378  | ug/l   | 94       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\  
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Acq On : 12 Feb 2020 15:42  
Operator : JC/MD  
Sample : VN0212WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

Manual Integrations  
APPROVED

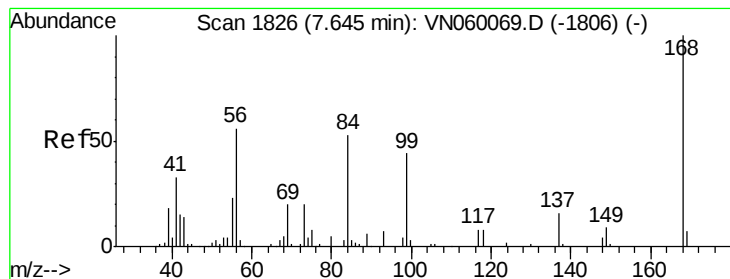
MMDadoda  
2/13/2020 10:37:30 AM

Quant Time: Feb 13 01:02:51 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 59057    | 20.054 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.00 | 225  | 34516    | 20.021 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 159192   | 20.012 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 57826    | 19.718 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0212WBS01

Tot Ion:168 Resp: 218867

Ion Ratio Lower Upper

168 100

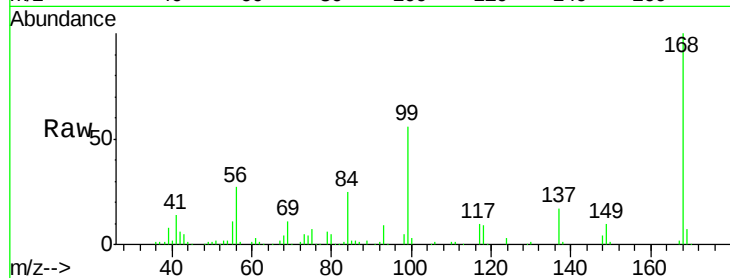
99 55.7 42.7 64.1

Manual Integrations

APPROVED

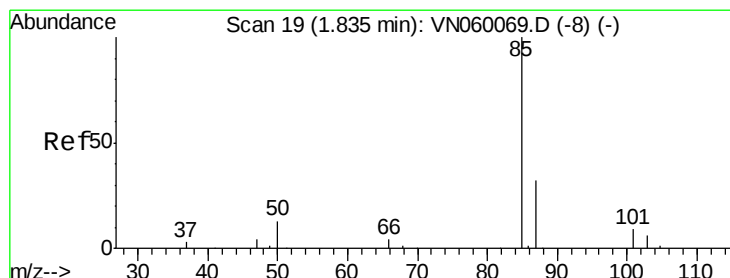
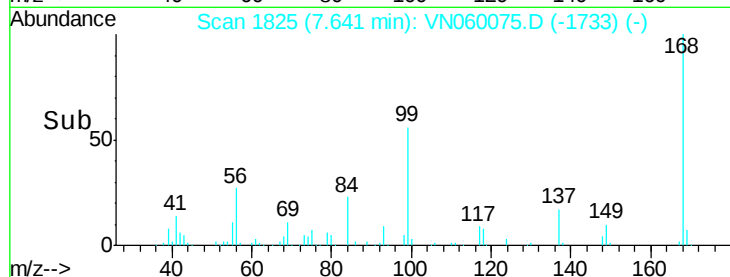
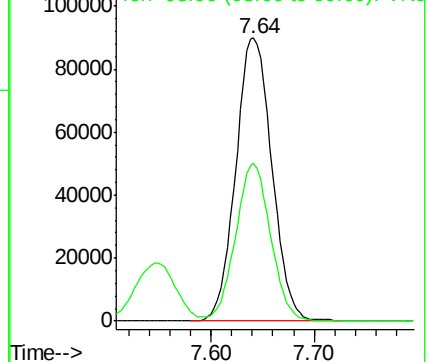
MMDadoda

2/13/2020 10:37:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.365 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060075.D

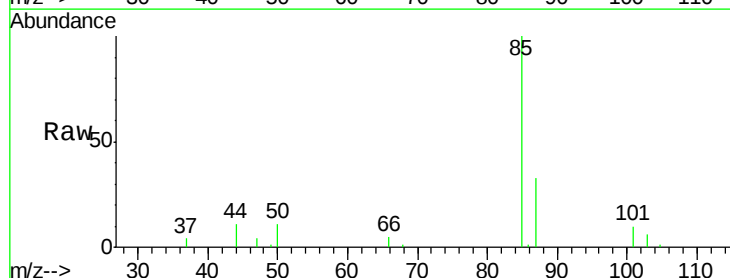
Acq: 12 Feb 2020 15:42

Tgt Ion: 85 Resp: 46740

Ion Ratio Lower Upper

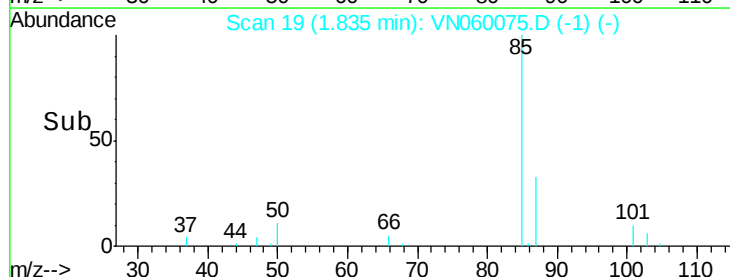
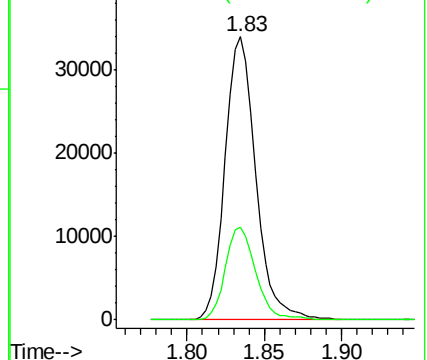
85 100

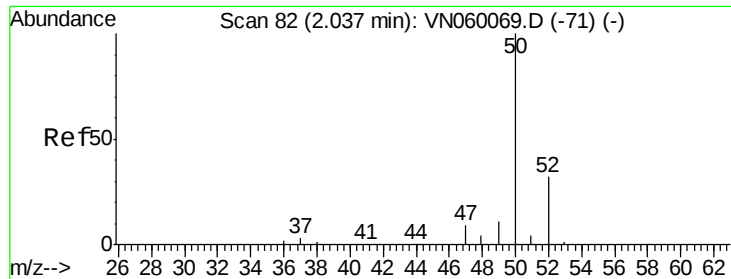
87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.824 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0212WBS01

Tot Ion: 50 Resp: 54215

Ion Ratio Lower Upper

50 100

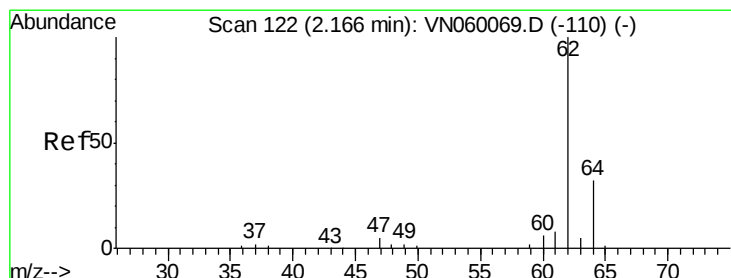
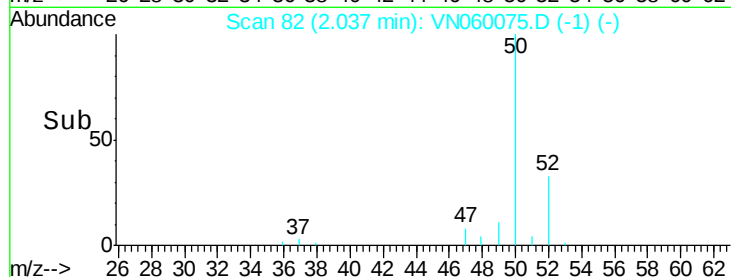
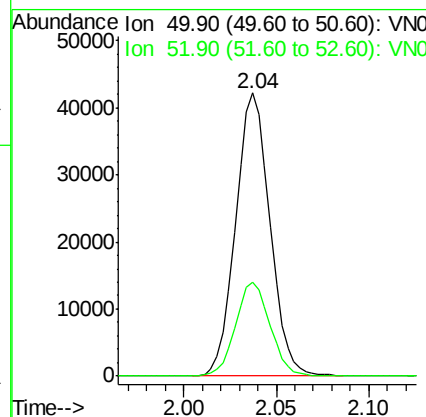
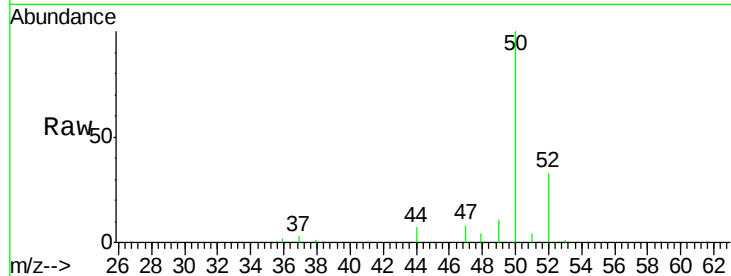
52 33.4 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:30 AM



#4

Vinyl Chloride

Concen: 20.323 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060075.D

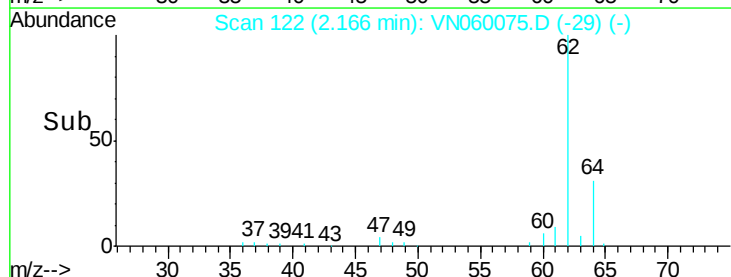
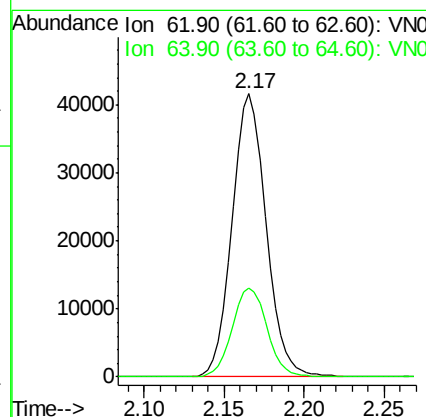
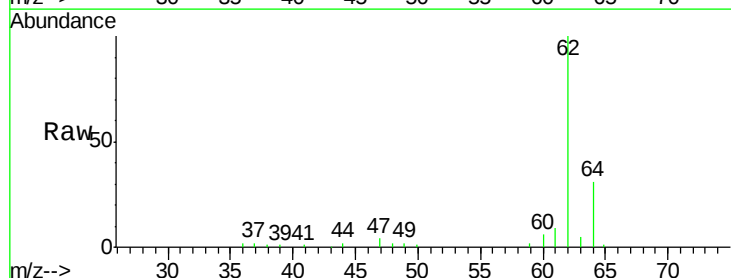
Acq: 12 Feb 2020 15:42

Tgt Ion: 62 Resp: 60309

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 20.510 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0212WBS01

Tot Ion: 94 Resp: 37319

Ion Ratio Lower Upper

94 100

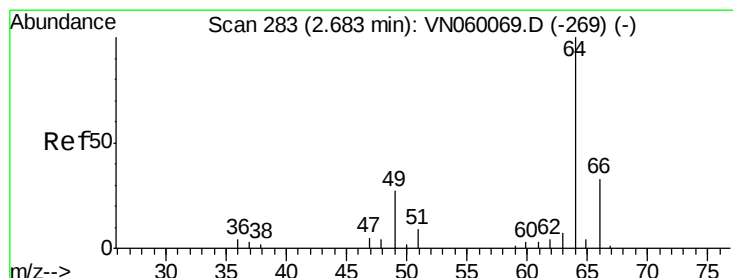
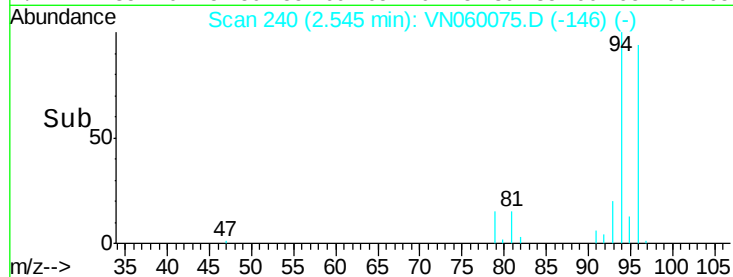
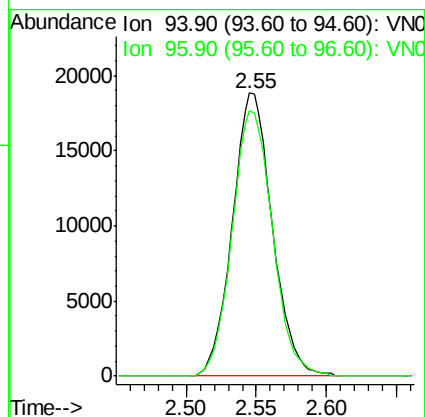
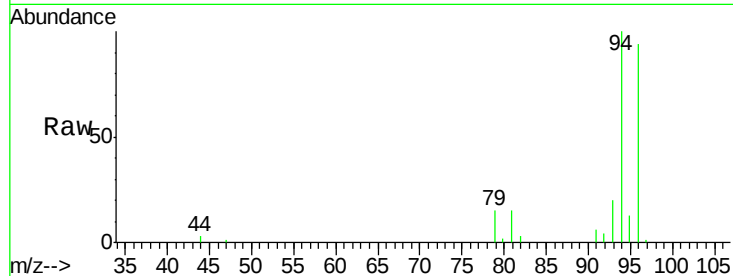
96 93.6 76.7 115.1

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:37:30 AM



#6

Chloroethane

Concen: 20.291 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060075.D

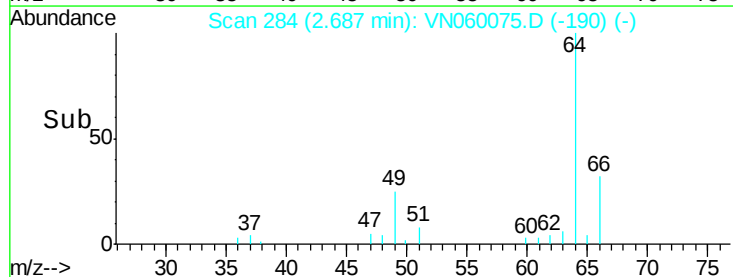
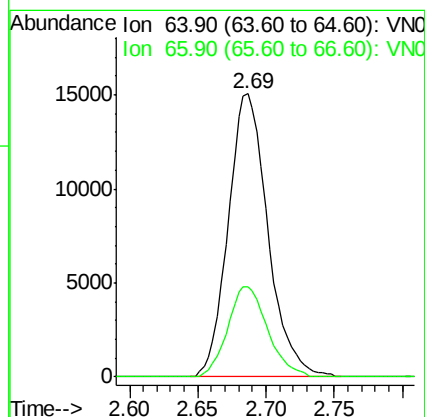
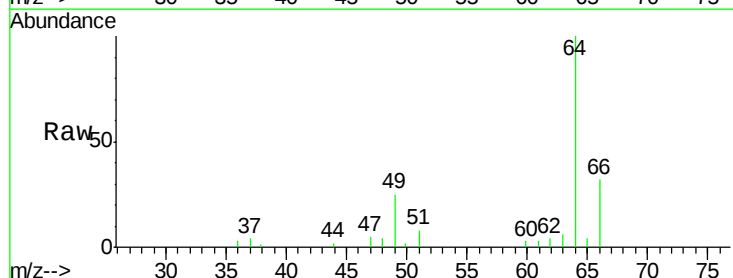
Acq: 12 Feb 2020 15:42

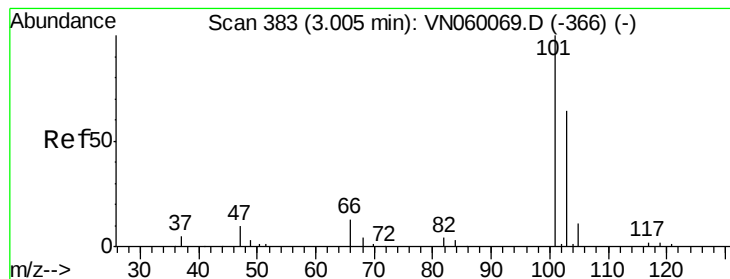
Tgt Ion: 64 Resp: 30456

Ion Ratio Lower Upper

64 100

66 31.8 26.6 40.0





#7

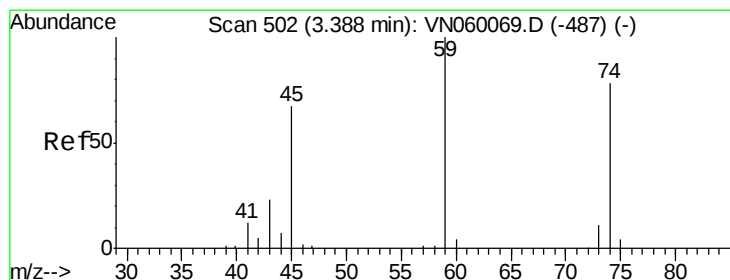
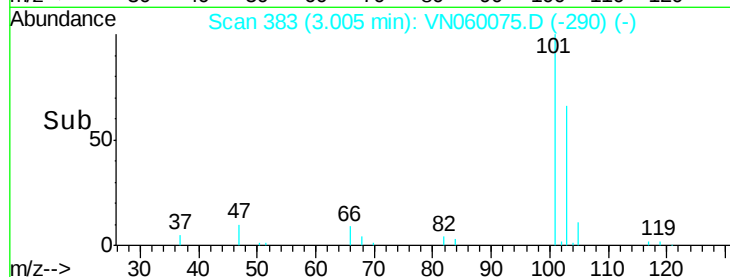
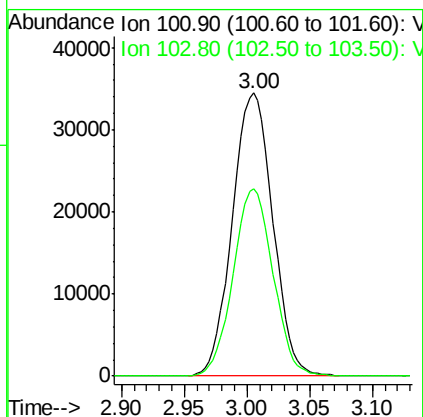
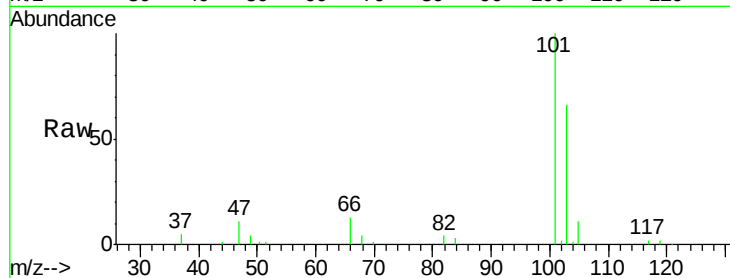
Trichlorofluoromethane  
Concen: 20.226 ug/l  
RT: 3.00 min Scan# 383  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.4  | 51.0  | 76.6  |

Manual Integrations  
APPROVED

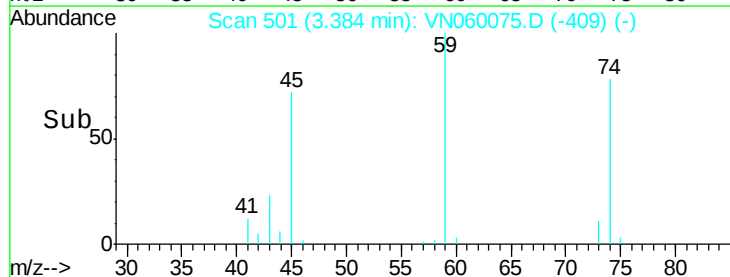
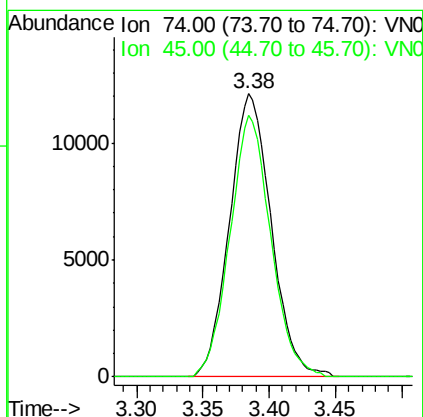
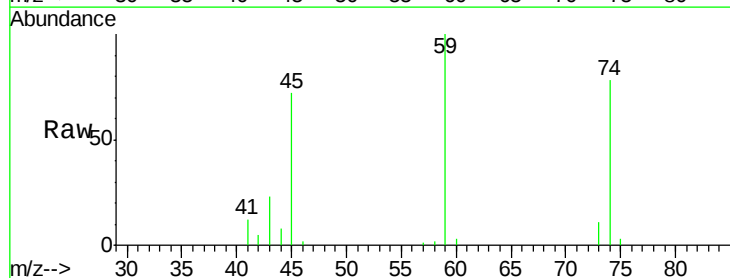
MMDadoda  
2/13/2020 10:37:30 AM

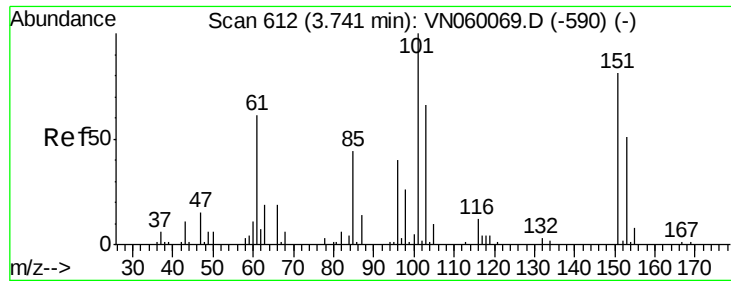


#8

Diethyl Ether  
Concen: 20.811 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 90.4  | 44.7  | 134.1 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.614 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

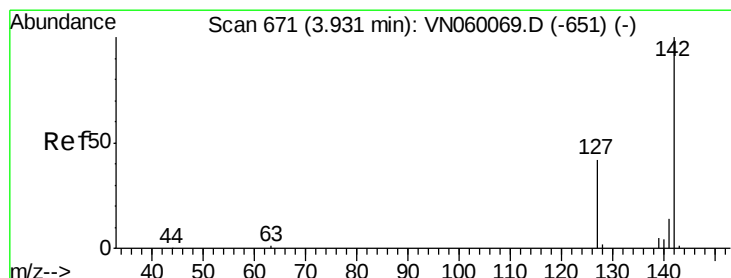
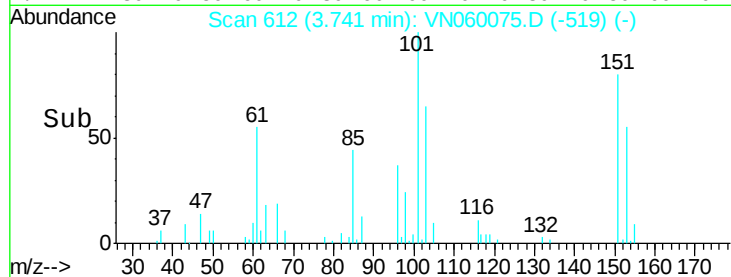
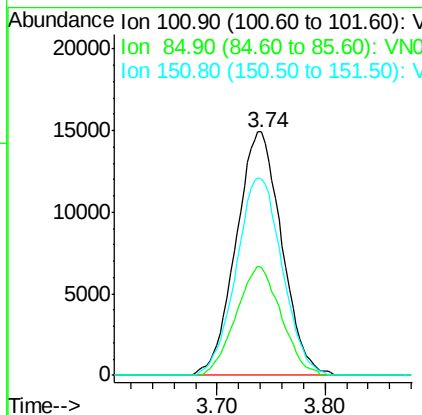
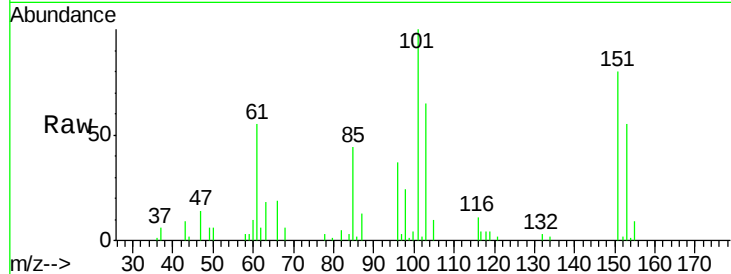
ClientSampleId :

VN0212WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 43787 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.9  | 35.1  | 52.7  |
| 151       | 81.8  | 65.8  | 98.6  |

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:30 AM



#10

Methyl Iodide

Concen: 19.889 ug/l

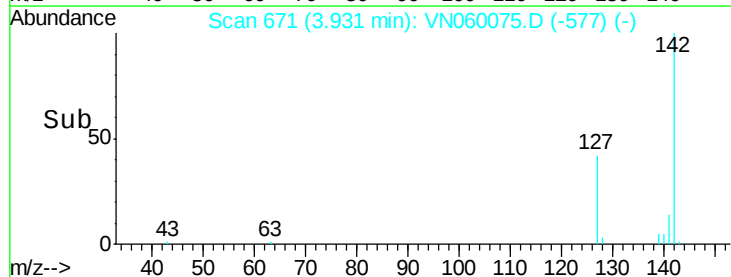
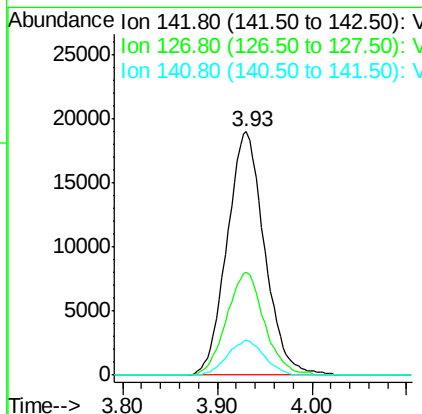
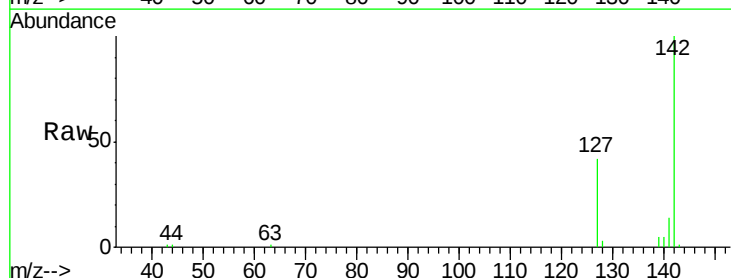
RT: 3.93 min Scan# 671

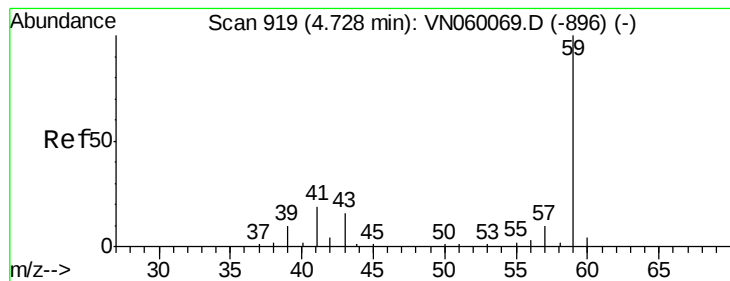
Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 52273 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.5  | 33.6  | 50.4  |
| 141       | 13.9  | 11.4  | 17.2  |





#11

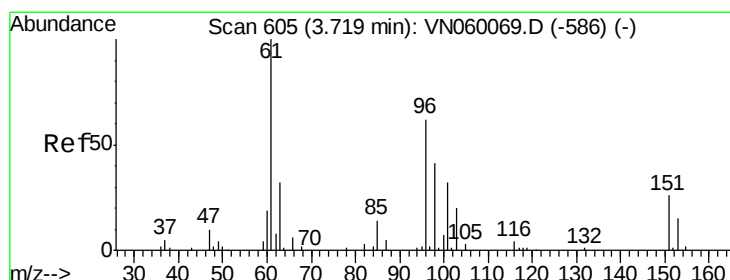
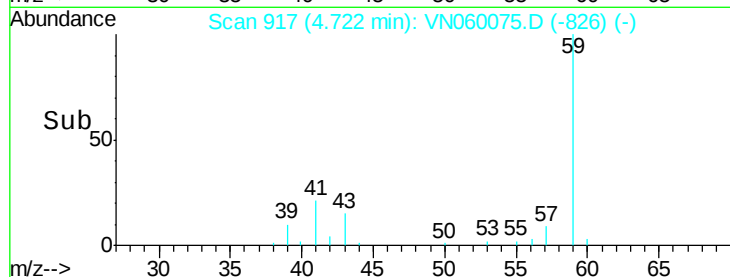
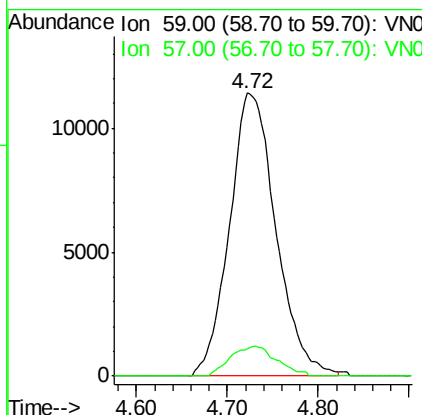
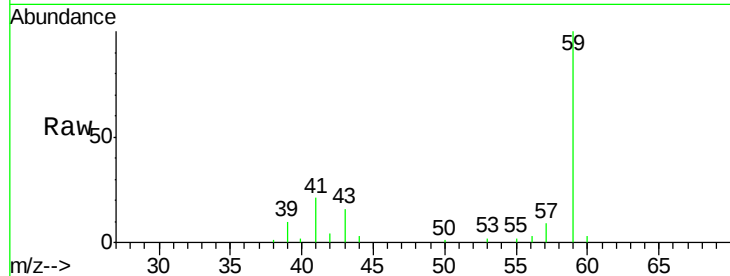
Tert butyl alcohol  
 Concen: 101.448 ug/l  
 RT: 4.72 min Scan# 917  
 Delta R.T. -0.01 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 59      | 100   | 40431 |       |       |
| 57      | 10.6  |       | 8.2   | 12.4  |

Manual Integrations  
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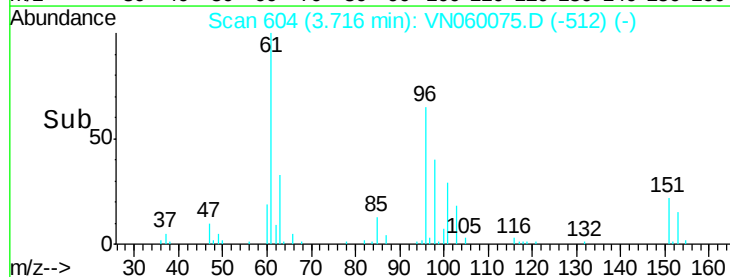
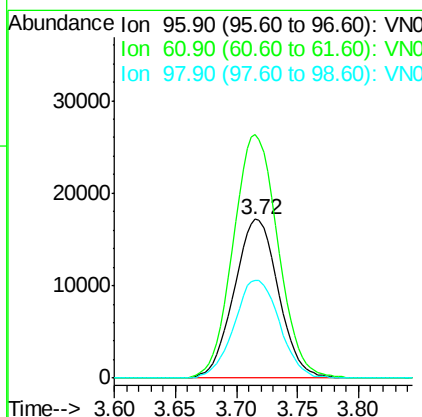
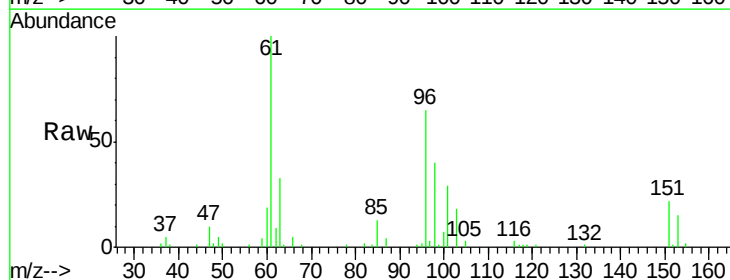
MMDadoda  
 2/13/2020 10:37:30 AM

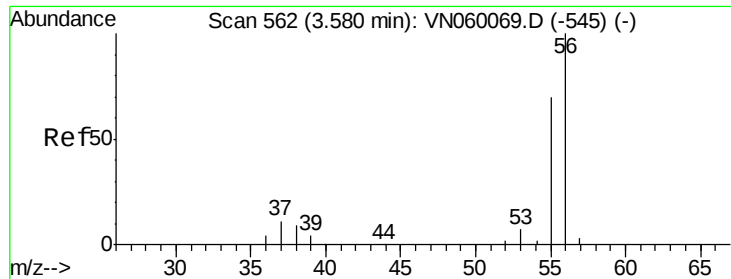


#12

1,1-Dichloroethene  
 Concen: 20.887 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. -0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 43222 |       |       |
| 61      | 153.6 |       | 128.3 | 192.5 |
| 98      | 62.0  |       | 52.2  | 78.4  |





#13

Acrolein

Concen: 92.417 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0212WBS01

Tot Ion: 56 Resp: 36406

Ion Ratio Lower Upper

56 100

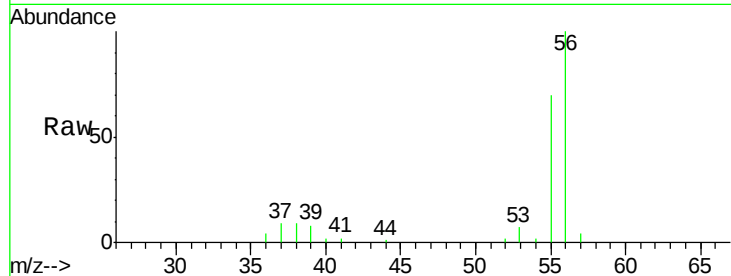
55 69.8 54.8 82.2

Manual Integrations

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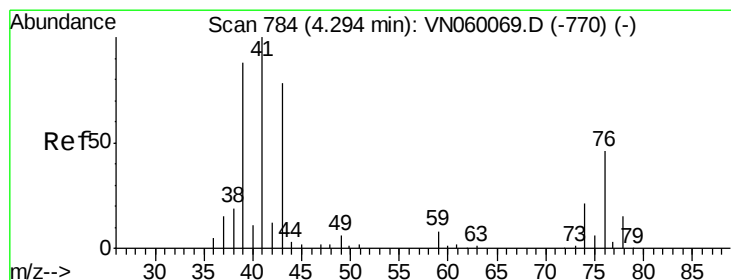
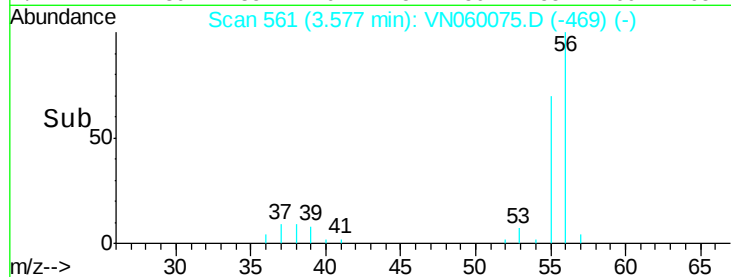
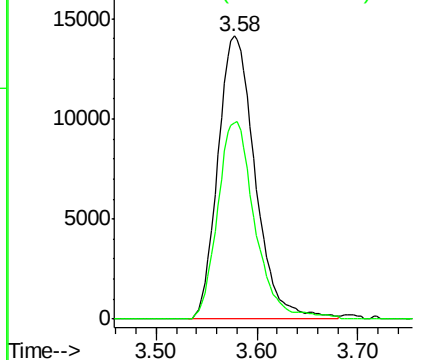
MMDadoda

2/13/2020 10:37:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.238 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

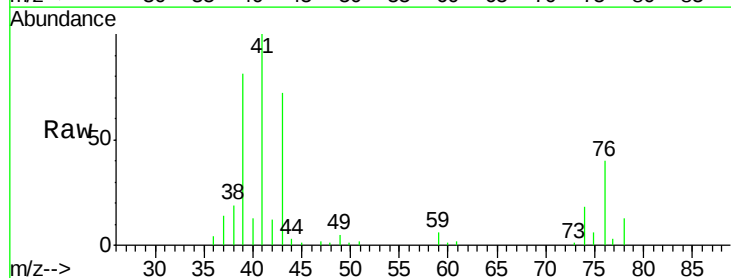
Tgt Ion: 41 Resp: 58593

Ion Ratio Lower Upper

41 100

39 86.1 67.8 101.8

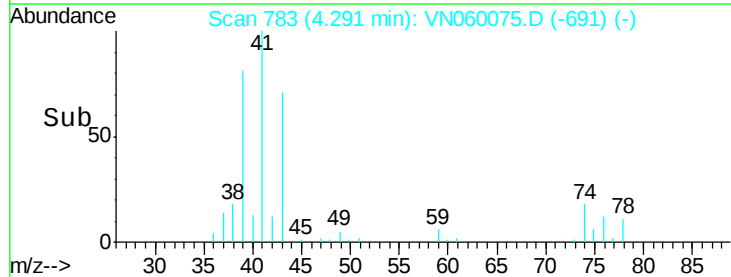
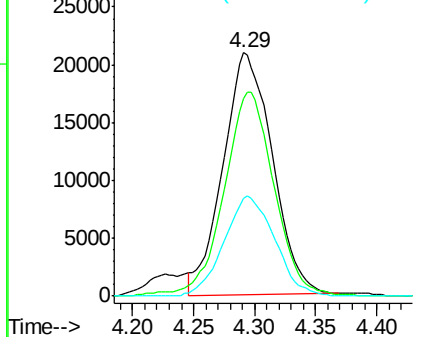
76 42.4 33.9 50.9

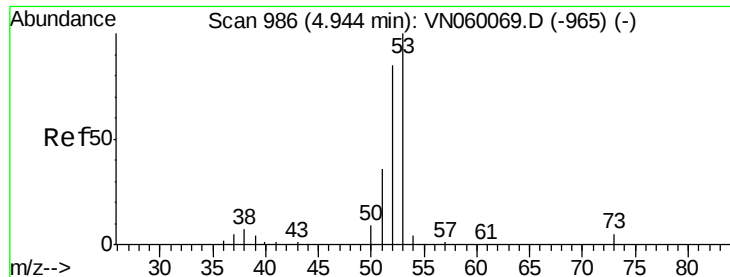


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.629 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

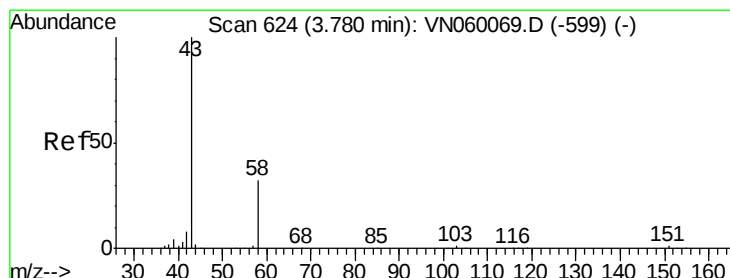
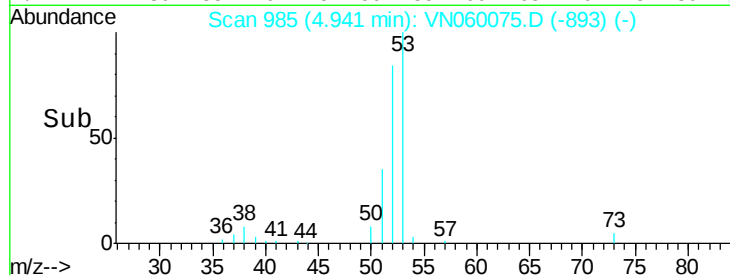
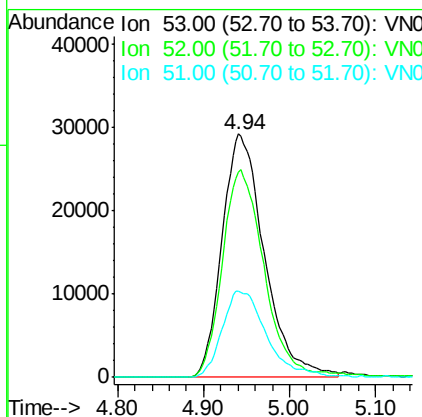
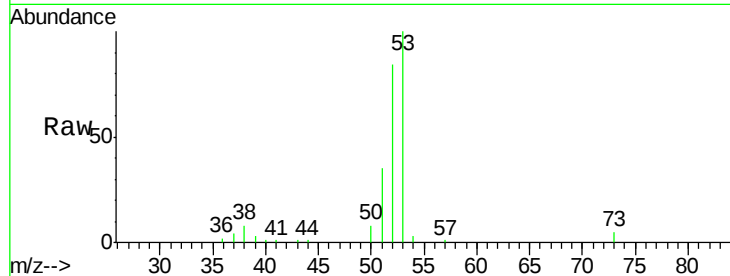
ClientSampleId :

VN0212WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 99888 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.7  | 66.8  | 100.2 |
| 51       | 37.3  | 29.4  | 44.0  |

Manual Integrations  
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2/13/2020 10:37:30 AM



#16

Acetone

Concen: 90.238 ug/l

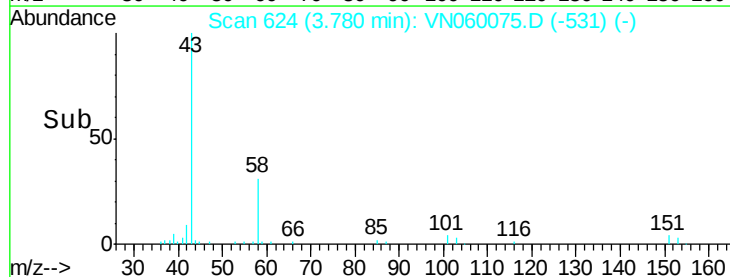
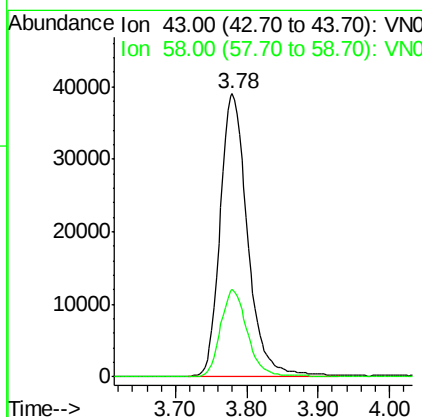
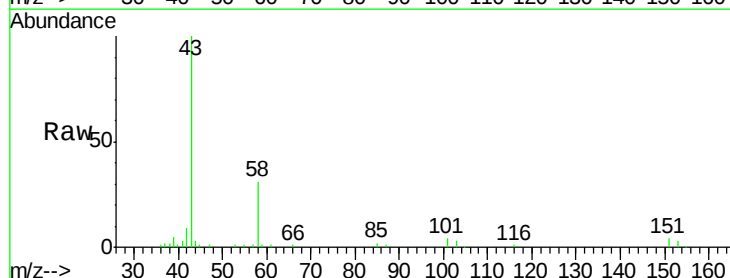
RT: 3.78 min Scan# 624

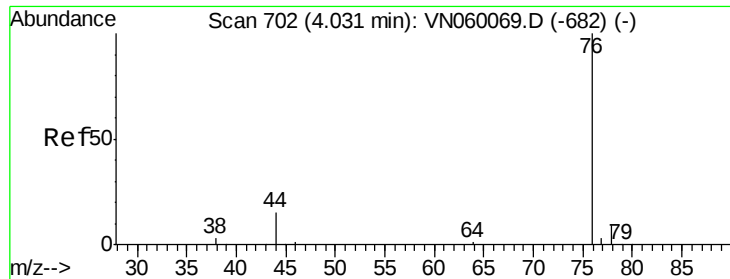
Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 104829 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.8  | 25.2  | 37.8   |





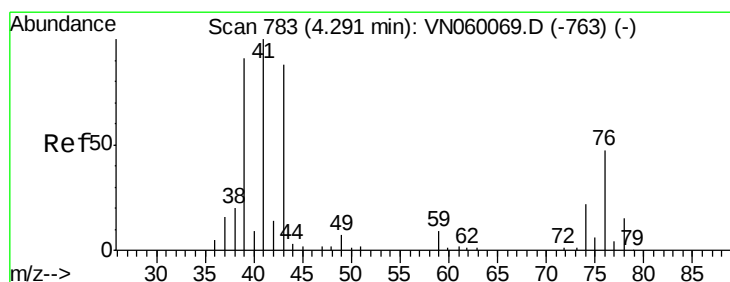
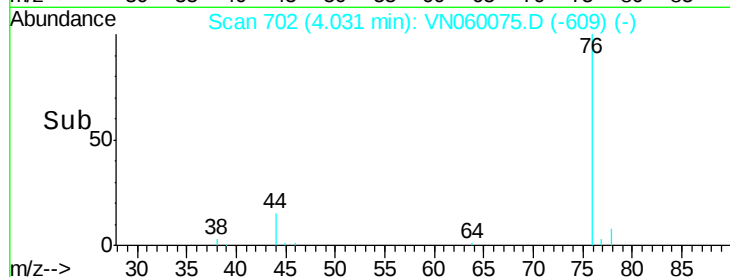
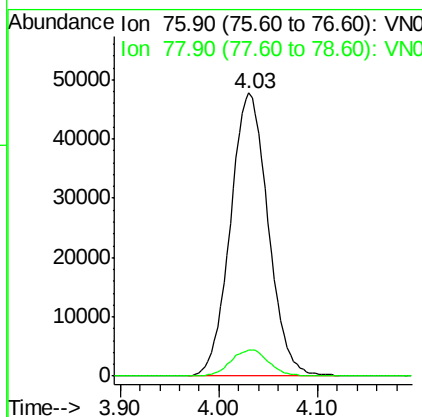
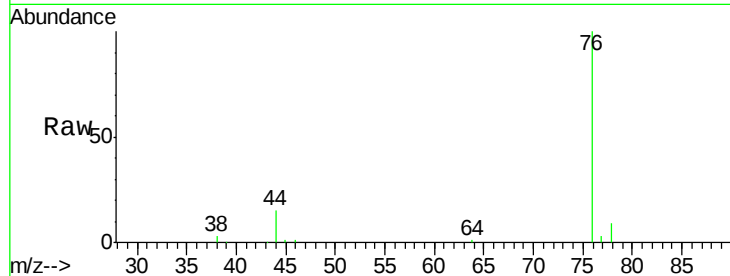
#17  
Carbon Disulfide  
Concen: 20.336 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.0   | 10.6  |

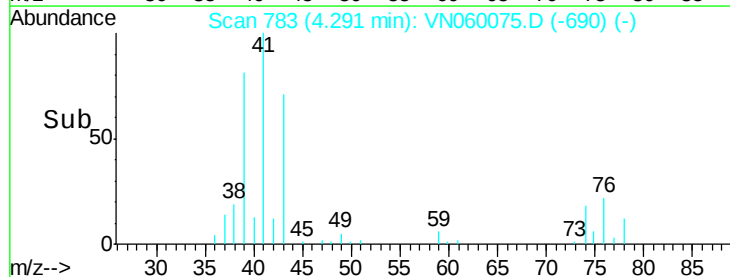
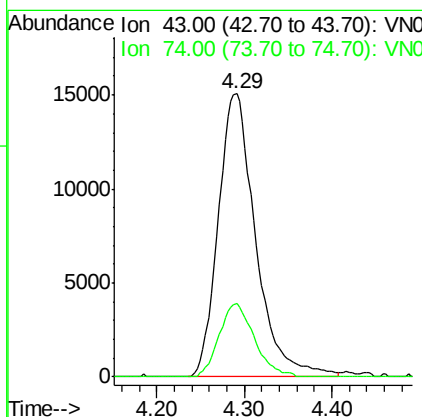
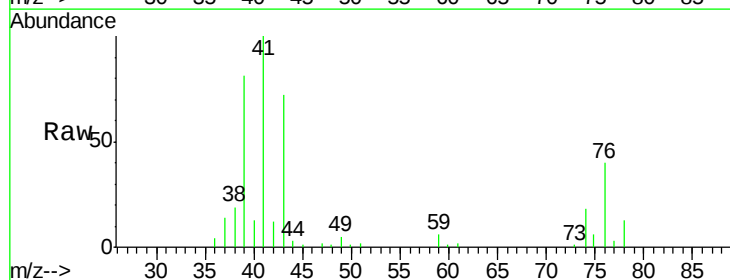
Manual Integrations  
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MMDadoda  
2/13/2020 10:37:30 AM



#18  
Methyl Acetate  
Concen: 20.530 ug/l  
RT: 4.29 min Scan# 783  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.3  | 20.3  | 30.5  |





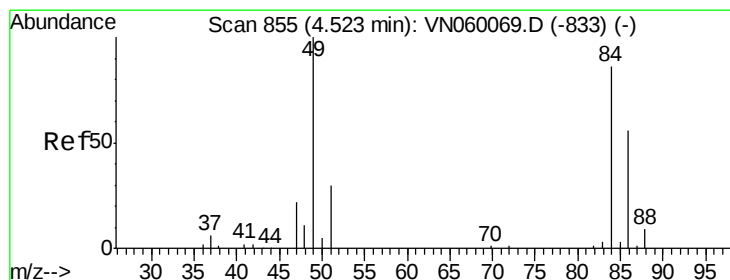
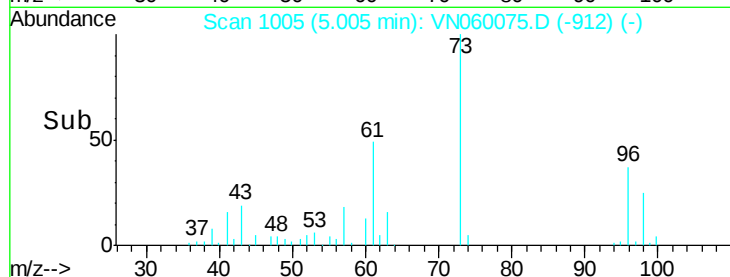
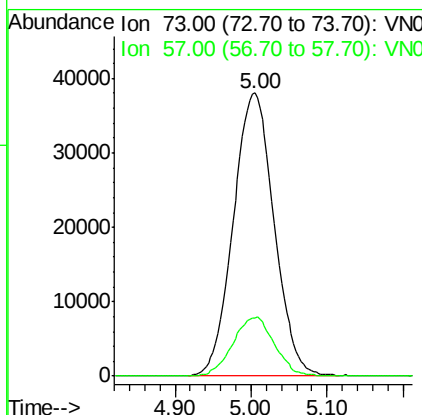
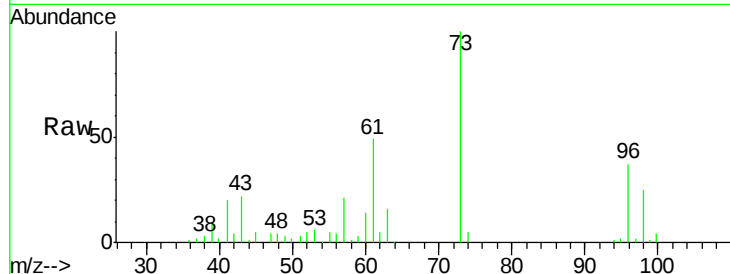
#19  
Methvl tert-butvl Ether  
Concen: 20.417 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

Tot Ion: 73 Resp: 142080  
Ion Ratio Lower Upper  
73 100  
57 20.6 17.2 25.8

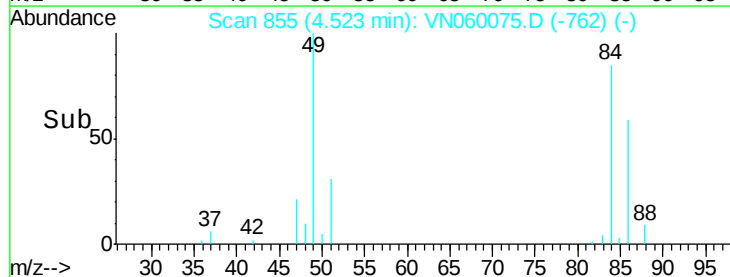
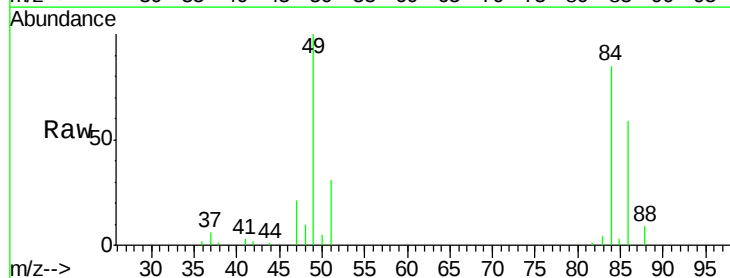
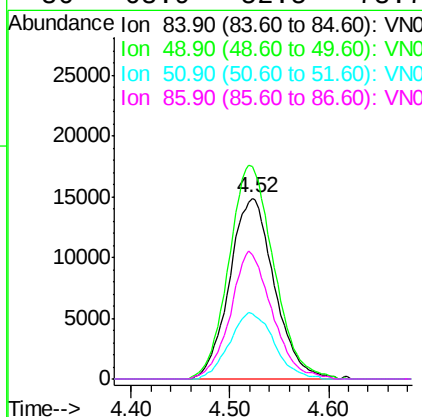
Manual Integrations  
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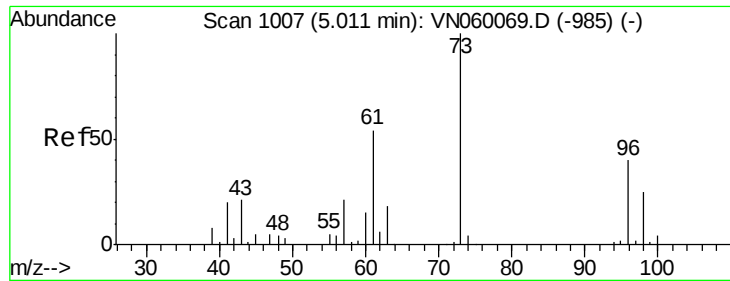
MMDadoda  
2/13/2020 10:37:30 AM



#20  
Methylene Chloride  
Concen: 20.256 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Tgt Ion: 84 Resp: 46947  
Ion Ratio Lower Upper  
84 100  
49 117.6 93.4 140.0  
51 36.1 28.4 42.6  
86 68.9 52.5 78.7





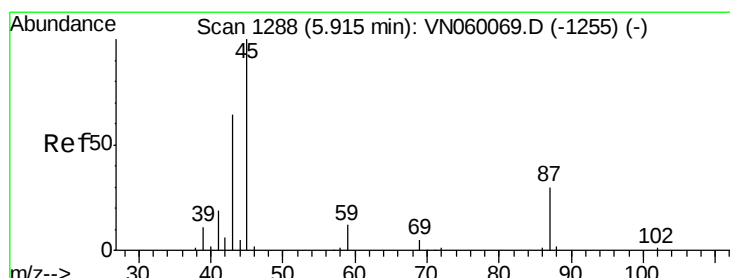
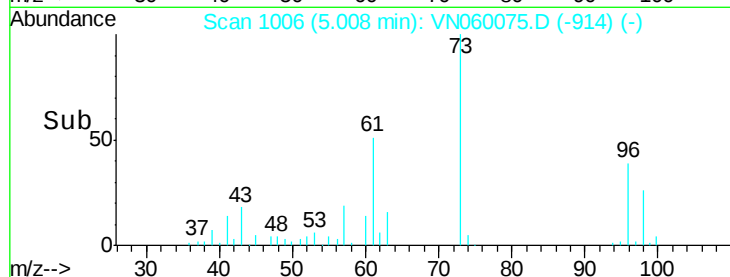
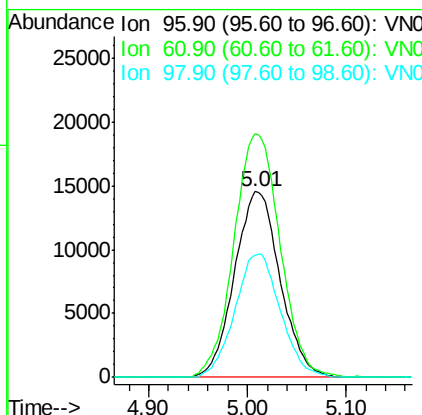
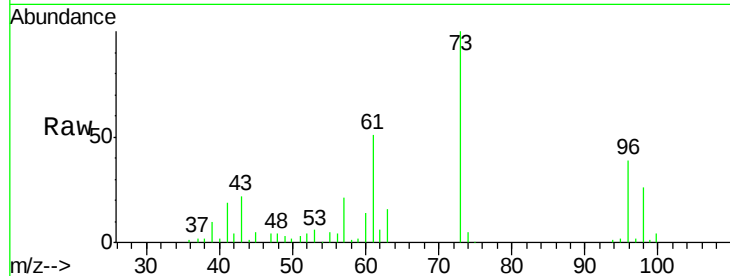
#21  
trans-1,2-Dichloroethene  
Concen: 20.655 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 131.1 | 109.3 | 163.9 |
| 98      | 65.8  | 51.0  | 76.6  |

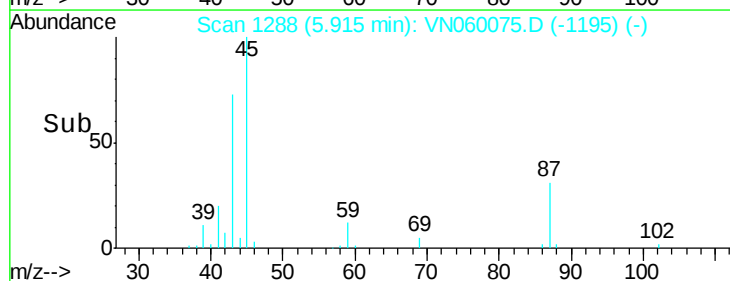
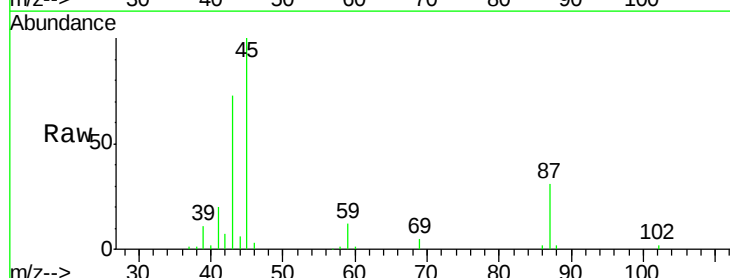
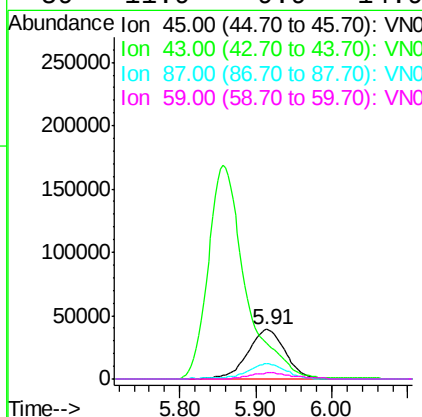
Manual Integrations  
APPROVED

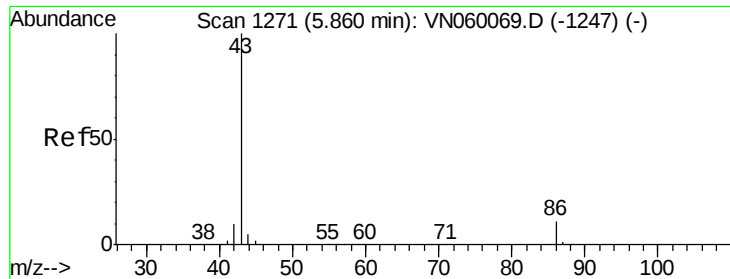
MMDadoda  
2/13/2020 10:37:30 AM



#22  
Diisopropyl ether  
Concen: 20.177 ug/l  
RT: 5.91 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 70.2  | 55.9  | 83.9  |
| 87      | 31.0  | 24.5  | 36.7  |
| 59      | 11.9  | 9.9   | 14.9  |





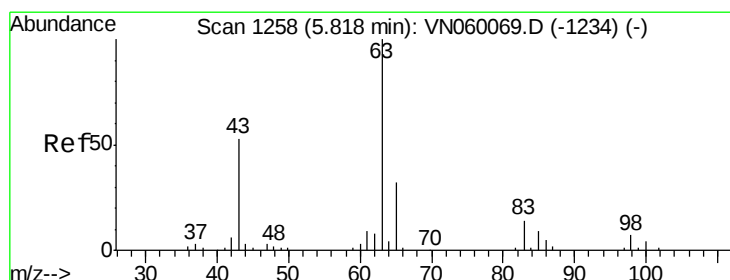
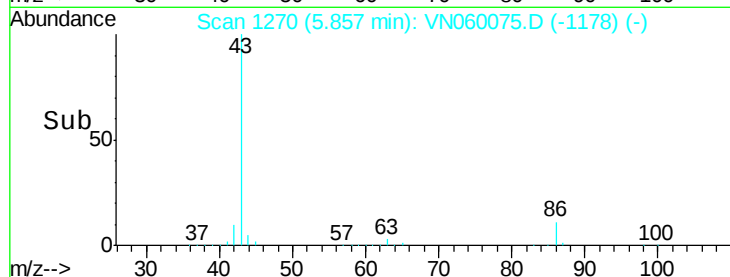
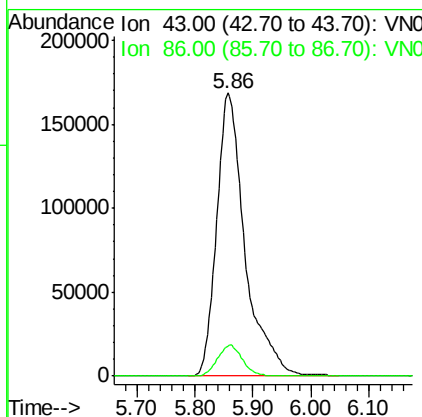
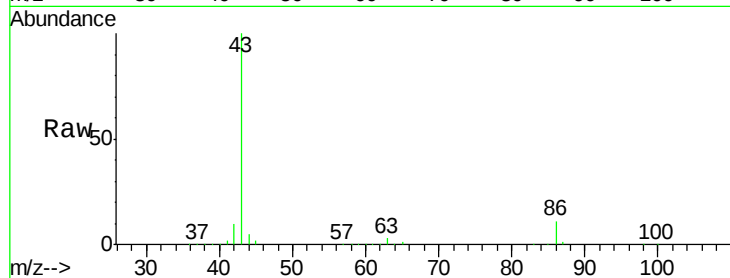
#23  
 Vinyl Acetate  
 Concen: 102.401 ug/l  
 RT: 5.86 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 10.7  | 8.9   | 13.3  |

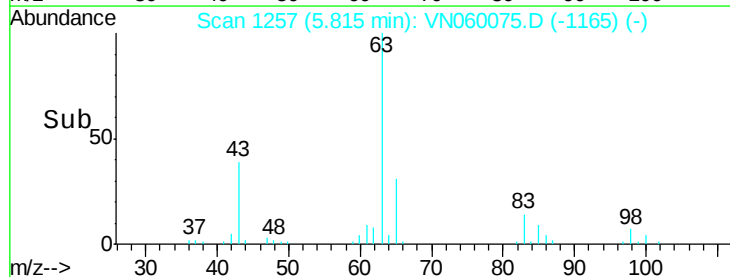
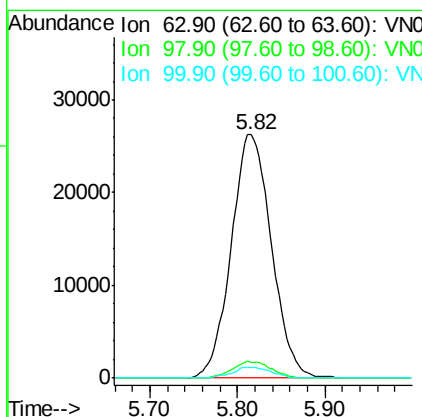
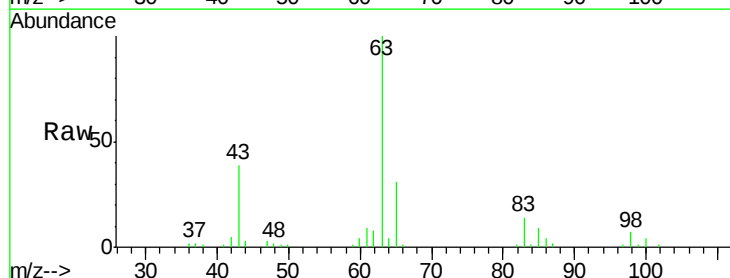
Manual Integrations  
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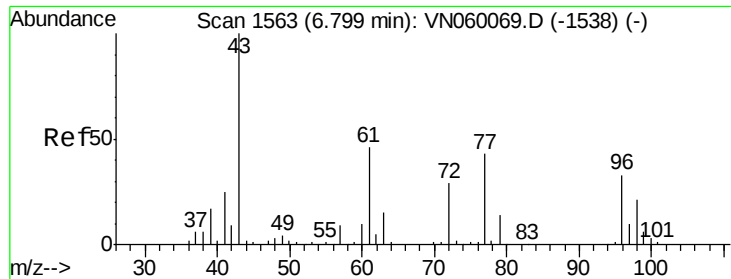
MMDadoda  
 2/13/2020 10:37:30 AM



#24  
 1,1-Dichloroethane  
 Concen: 20.703 ug/l  
 RT: 5.82 min Scan# 1257  
 Delta R.T. -0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

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





#25

2-Butanone

Concen: 98.440 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0212WBS01

Tot Ion: 43 Resp: 143824

Ion Ratio Lower Upper

43 100

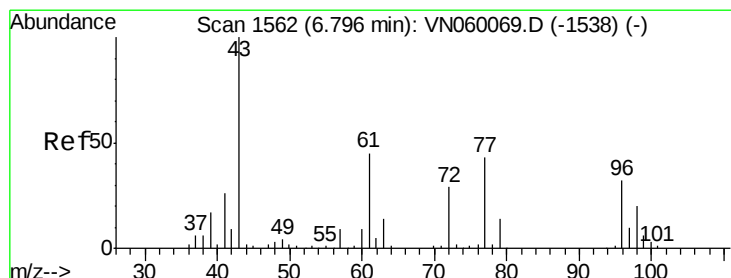
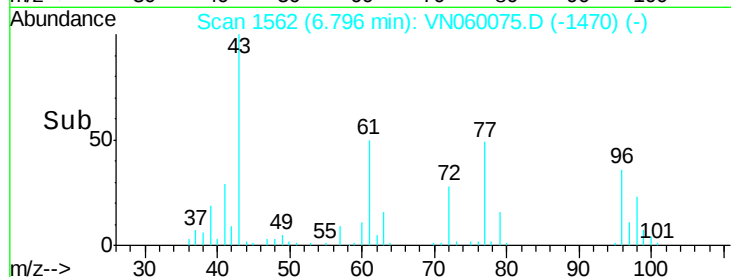
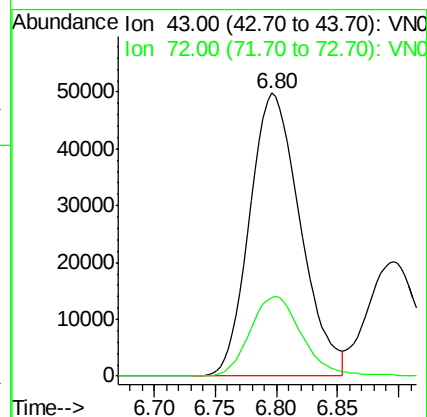
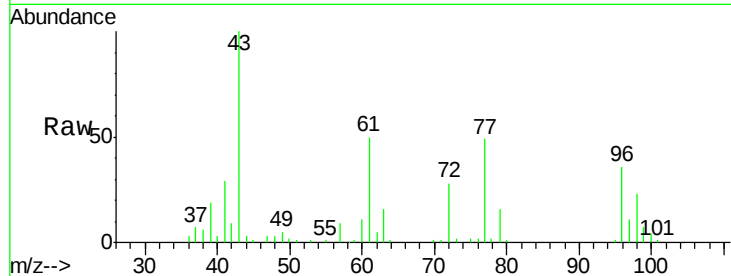
72 27.6 23.3 34.9

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#26

2,2-Dichloropropane

Concen: 20.363 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060075.D

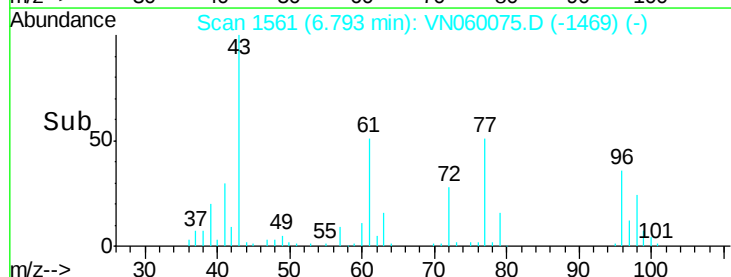
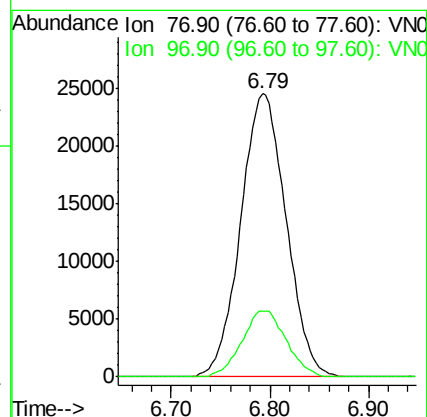
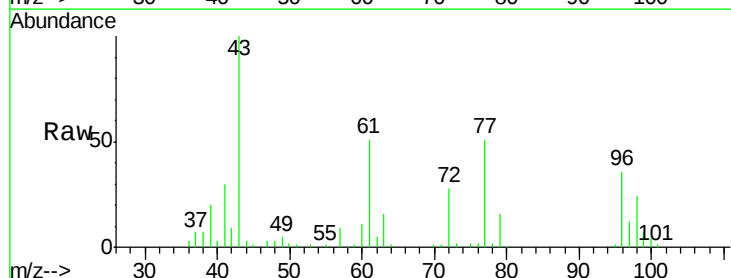
Acq: 12 Feb 2020 15:42

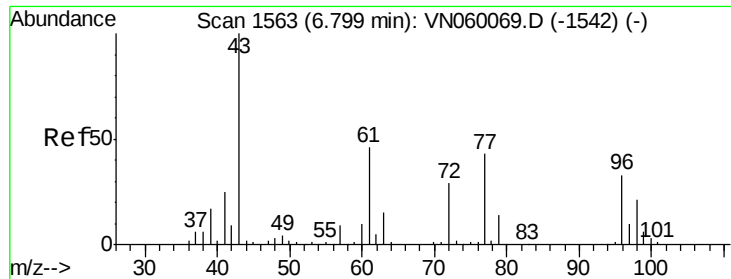
Tgt Ion: 77 Resp: 78209

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.237 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

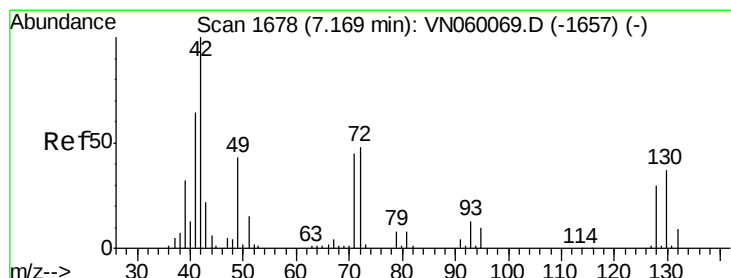
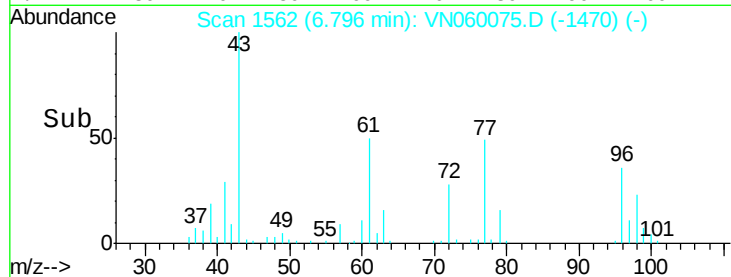
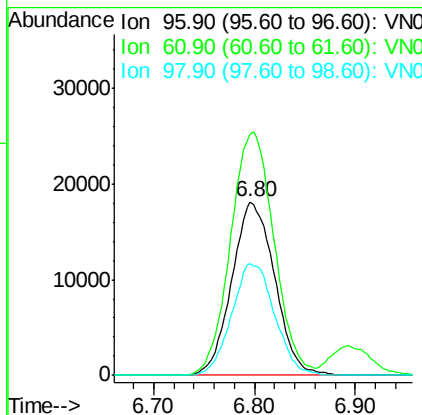
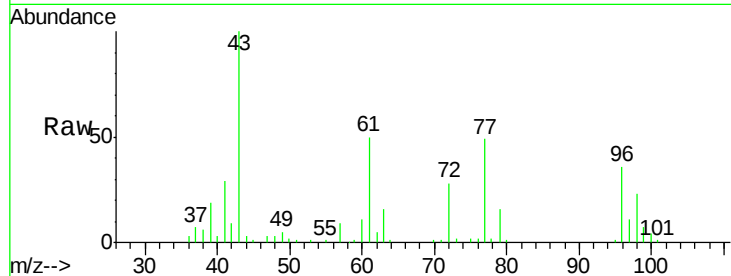
ClientSampleId :

VN0212WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 53424 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 142.5 | 0.0   | 285.8 |
| 98       | 64.5  | 0.0   | 129.6 |

Manual Integrations  
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2/13/2020 10:37:30 AM



#28

Bromochloromethane

Concen: 20.807 ug/l

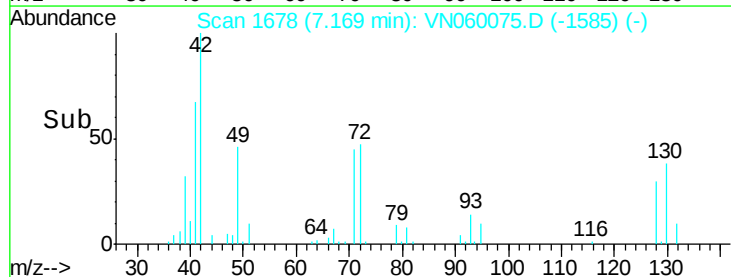
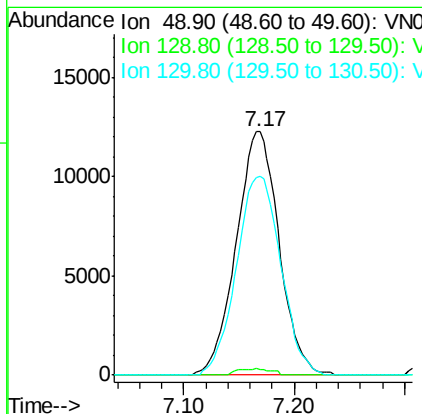
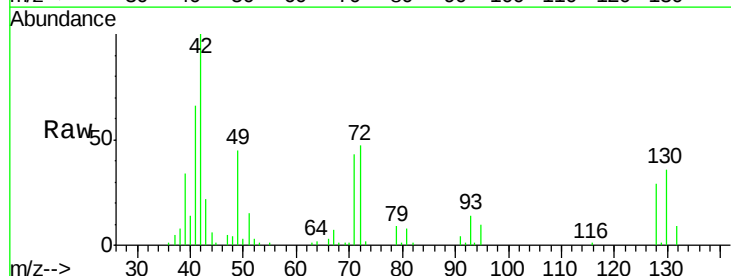
RT: 7.17 min Scan# 1678

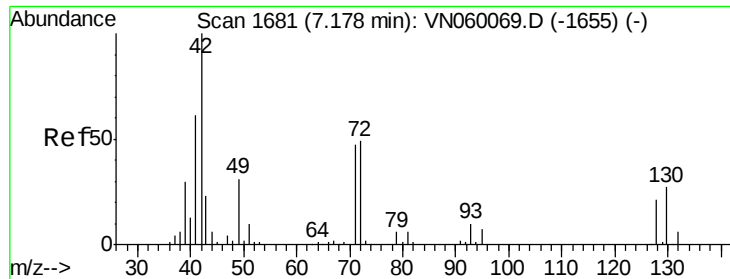
Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 33076 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 2.0   | 0.0   | 2.2   |
| 130      | 84.6  | 66.8  | 100.2 |





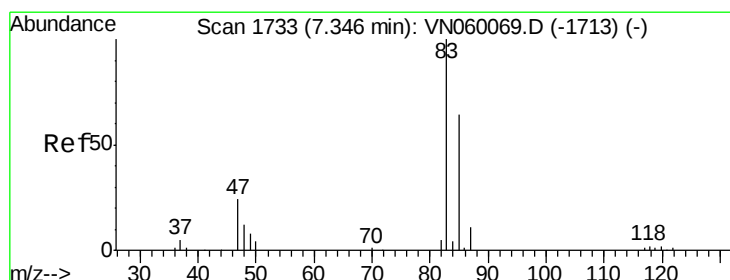
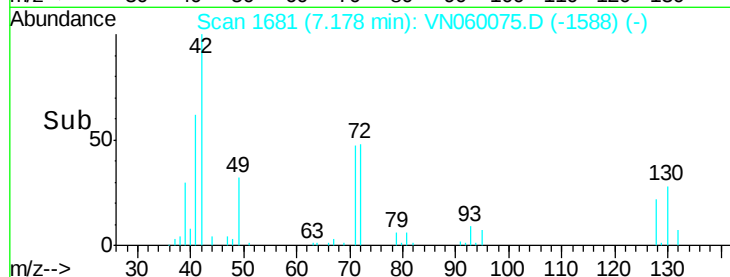
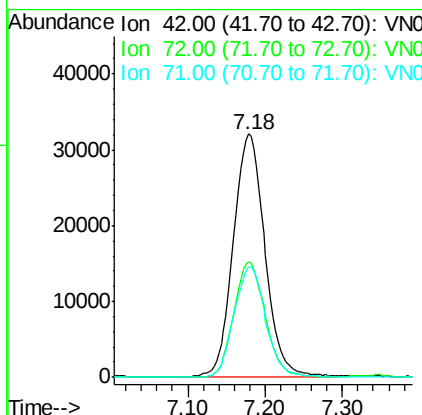
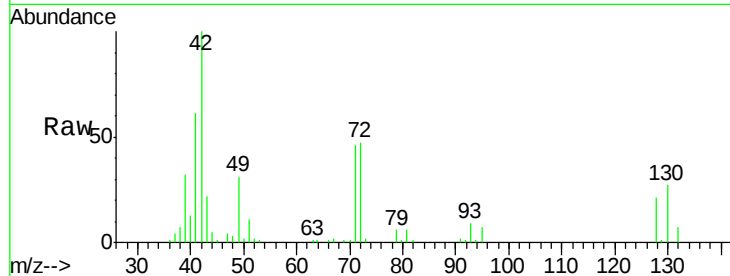
#29  
Tetrahydrofuran  
Concen: 101.999 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.0  | 38.2  | 57.4  |
| 71      | 45.2  | 36.6  | 54.8  |

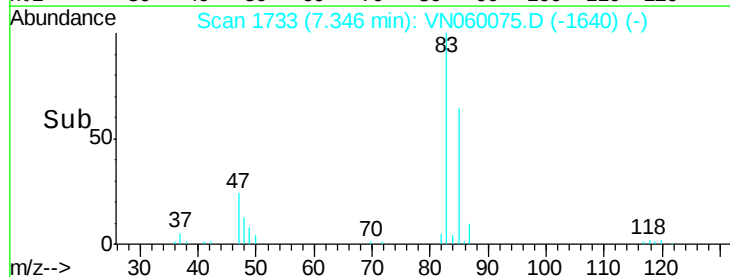
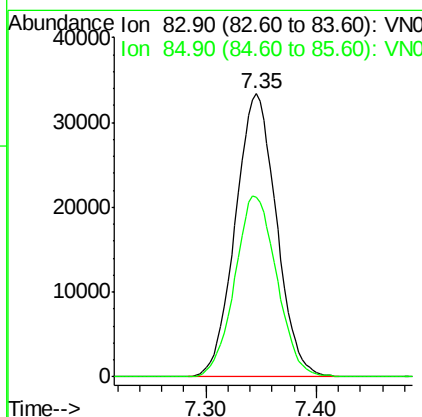
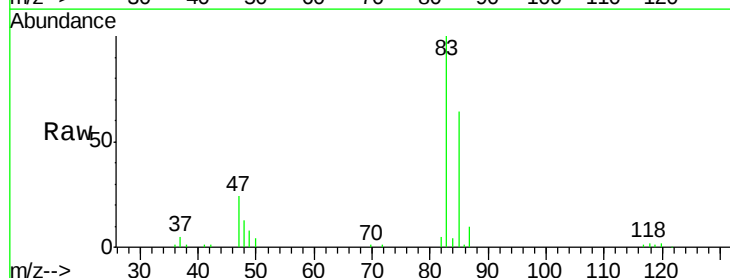
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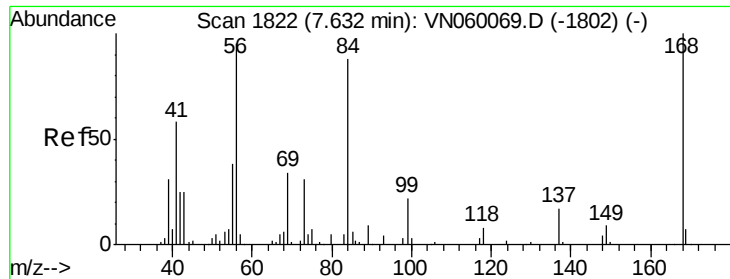
MMDadoda  
2/13/2020 10:37:30 AM



#30  
Chloroform  
Concen: 20.311 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.6  | 51.4  | 77.0  |





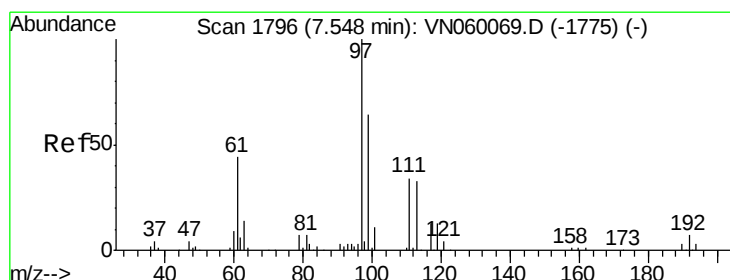
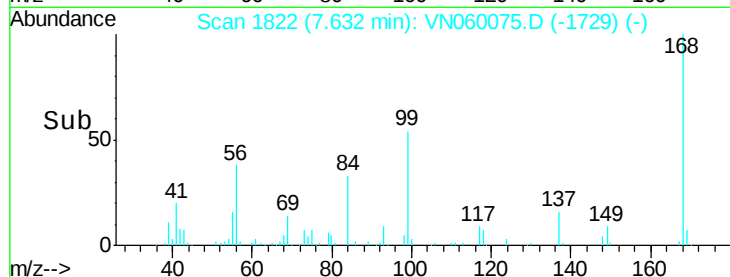
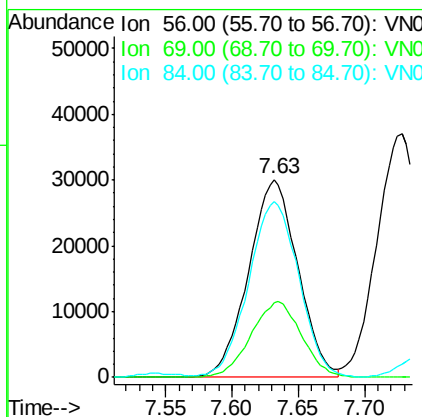
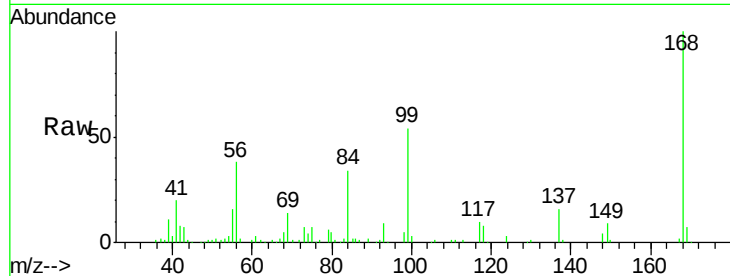
#31  
Cyclohexane  
Concen: 20.579 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 37.6  | 28.3  | 42.5  |
| 84      | 87.9  | 72.6  | 108.8 |

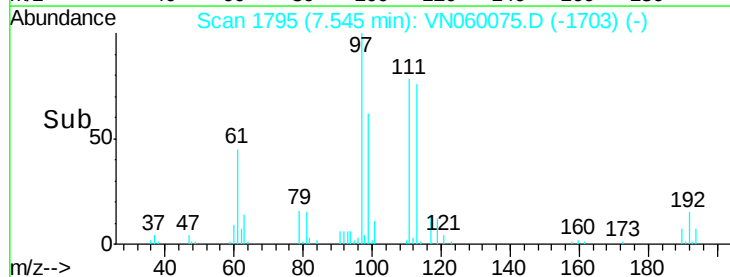
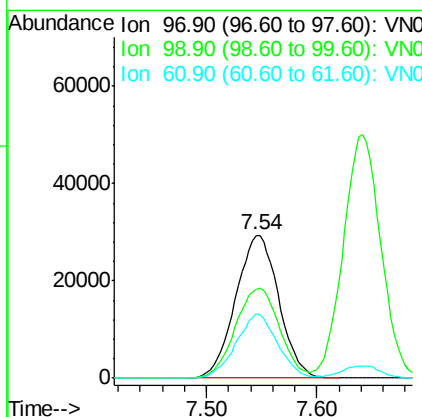
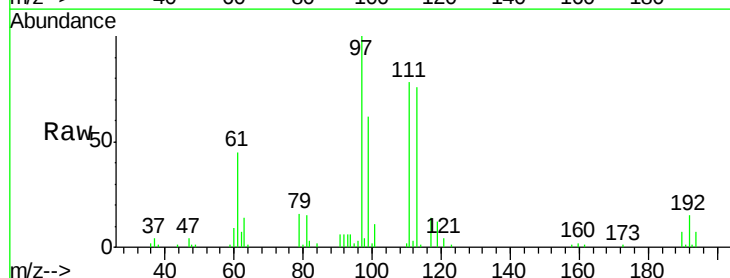
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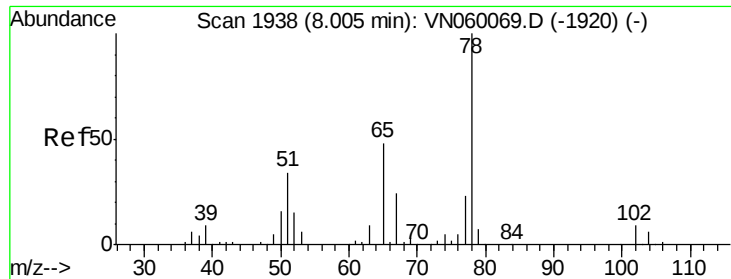
MMDadoda  
2/13/2020 10:37:30 AM



#32  
1,1,1-Trichloroethane  
Concen: 20.486 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.6  | 51.4  | 77.0  |
| 61      | 43.1  | 34.9  | 52.3  |





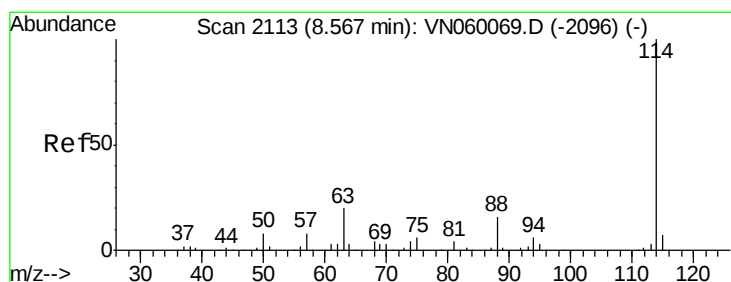
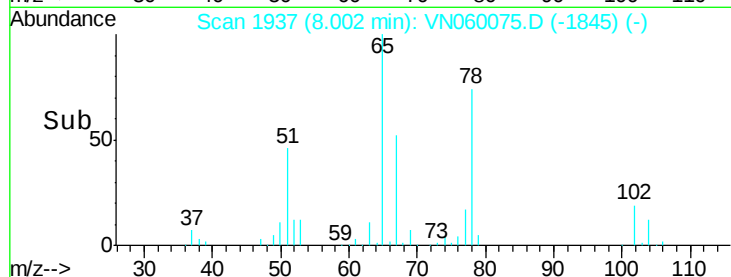
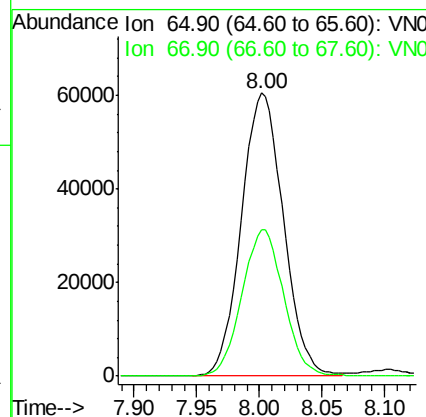
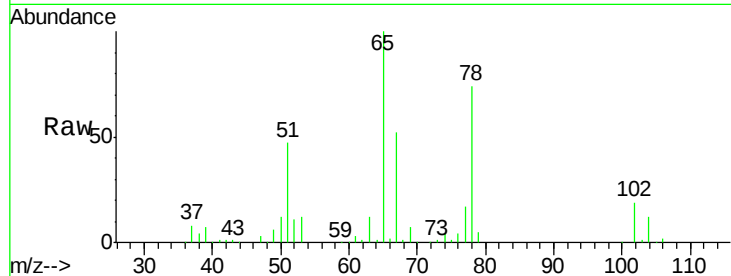
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.063 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 51.5  | 0.0  | 104.0 |       |

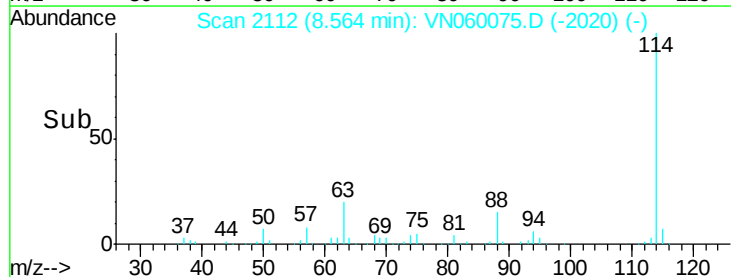
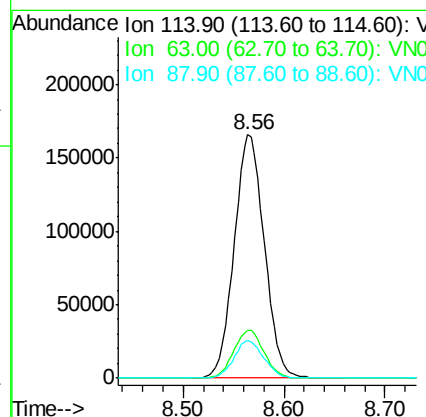
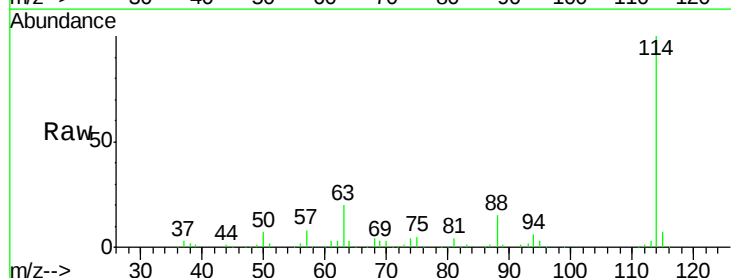
Manual Integrations  
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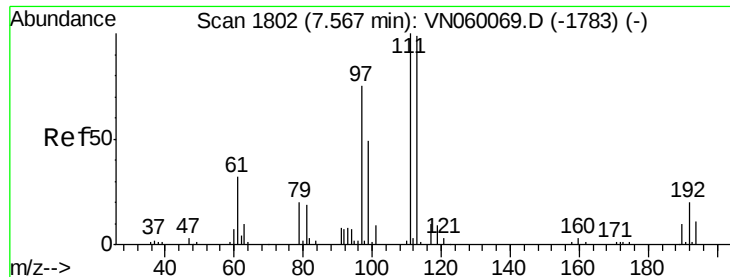
MMDadoda  
 2/13/2020 10:37:30 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 19.8  | 0.0  | 40.0  |       |
| 88      | 15.4  | 0.0  | 31.6  |       |





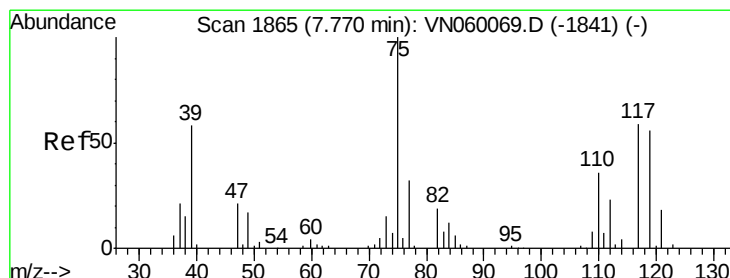
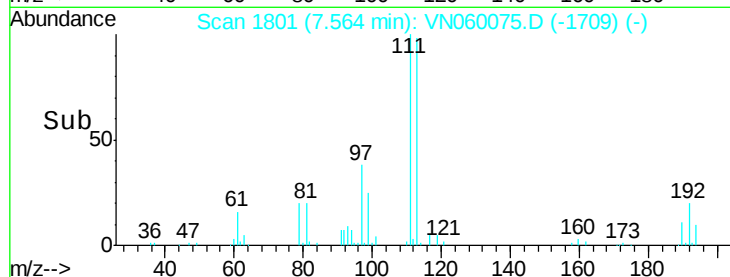
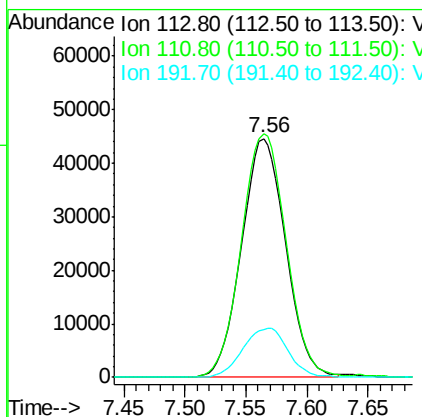
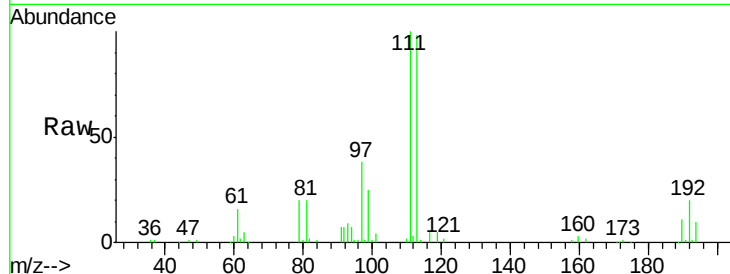
#35  
 Dibromofluoromethane  
 Concen: 52.654 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 104.1 | 81.4 | 122.2 |       |
| 192     | 21.0  | 16.2 | 24.2  |       |

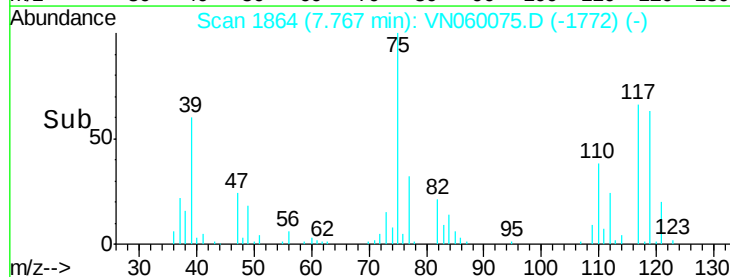
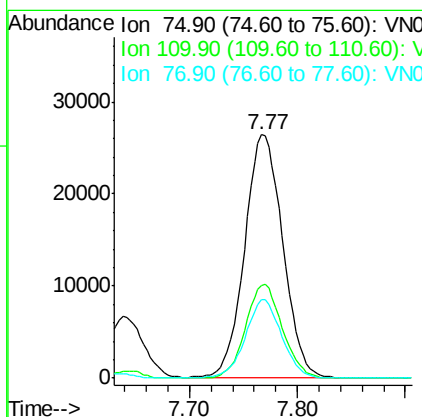
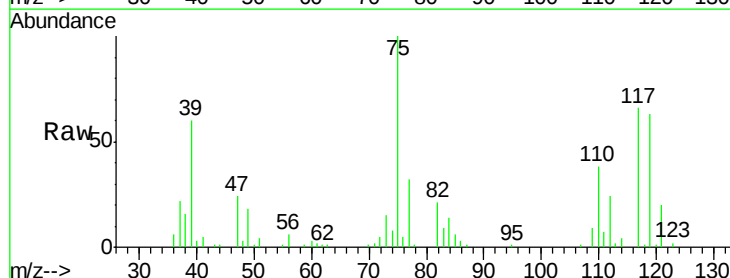
Manual Integrations  
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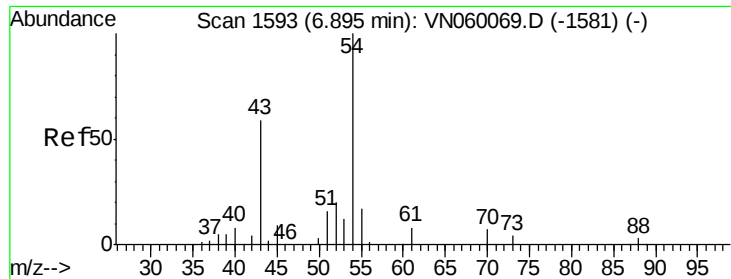
MMDadoda  
 2/13/2020 10:37:30 AM



#36  
 1,1-Dichloropropene  
 Concen: 20.408 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 36.9  | 18.1 | 54.3  |       |
| 77      | 30.6  | 25.1 | 37.7  |       |





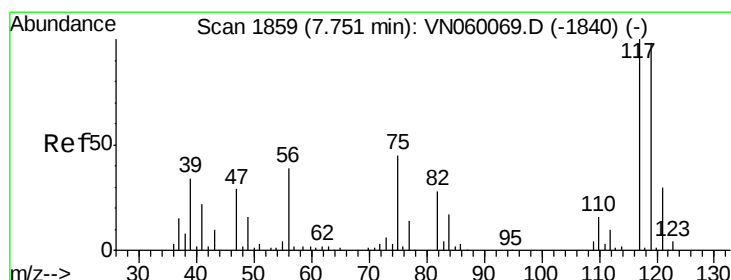
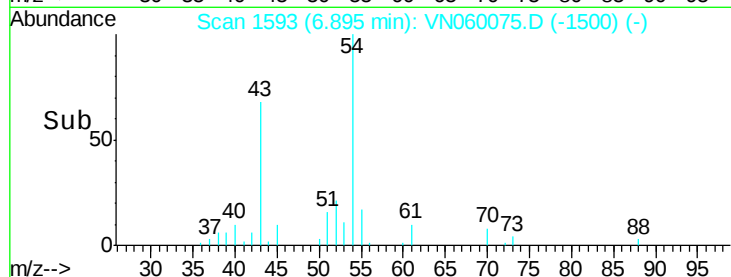
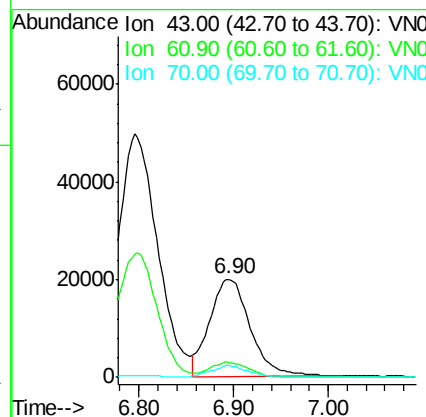
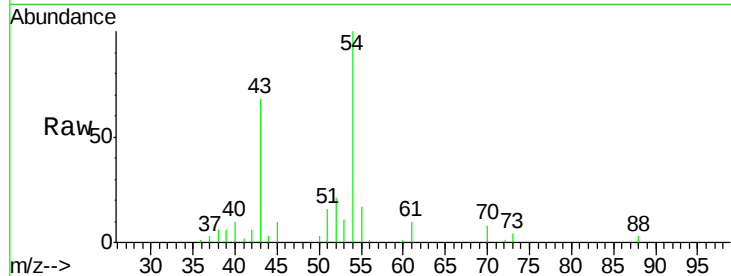
#37  
Ethyl Acetate  
Concen: 20.560 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.9  | 11.4  | 17.2  |
| 70      | 10.9  | 8.7   | 13.1  |

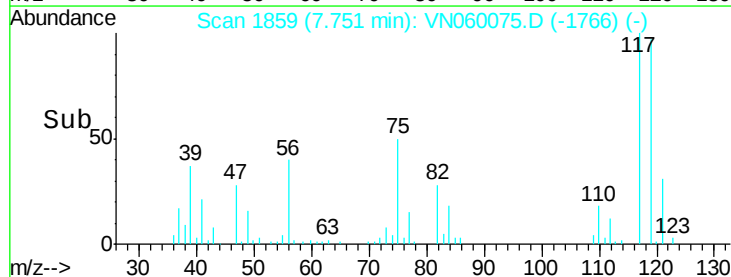
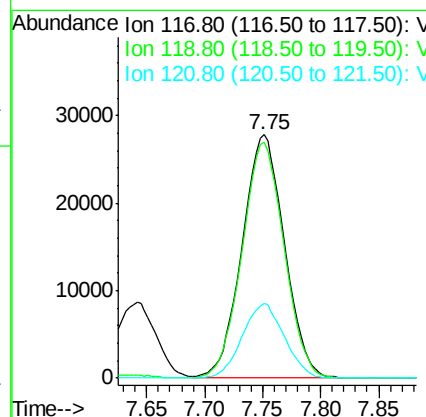
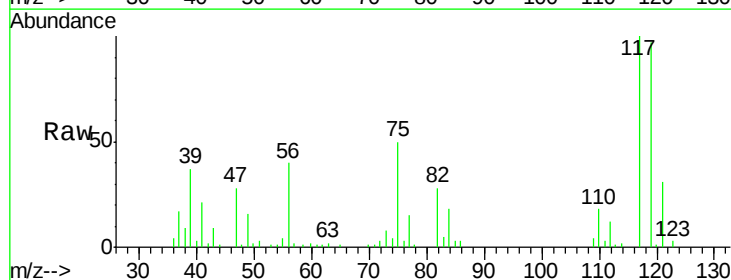
Manual Integrations  
APPROVED

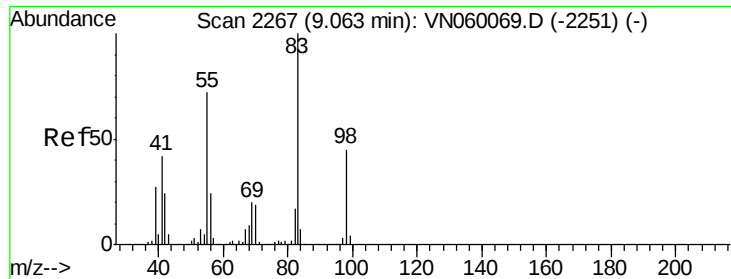
MMDadoda  
2/13/2020 10:37:30 AM



#38  
Carbon Tetrachloride  
Concen: 20.359 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.0  | 78.2  | 117.4 |
| 121     | 30.6  | 24.2  | 36.2  |





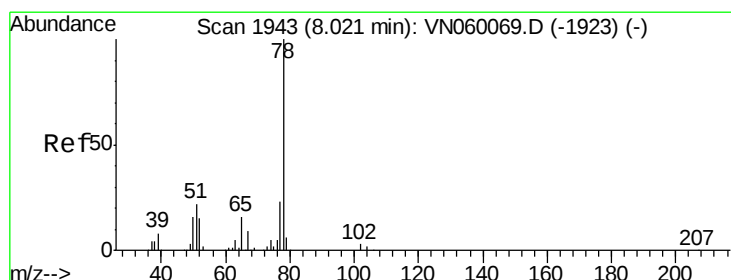
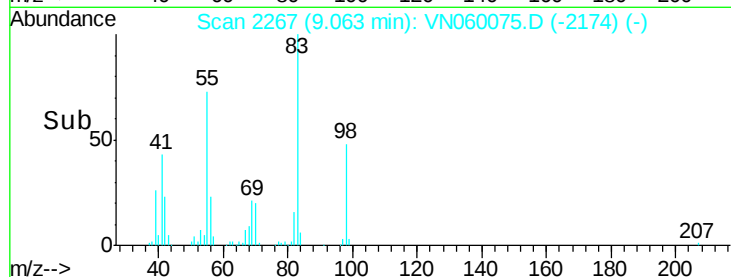
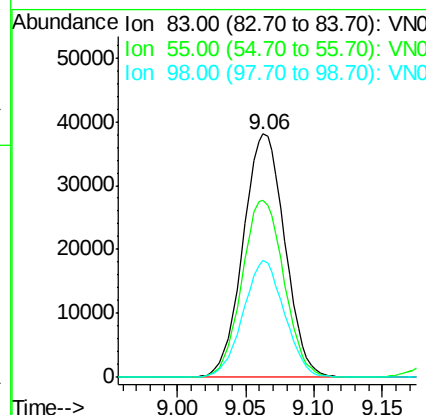
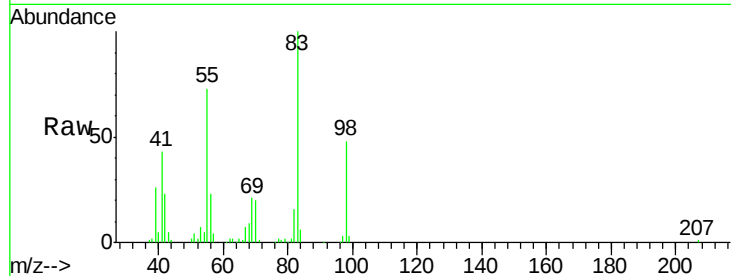
#39  
Methvlcvclohexane  
Concen: 20.432 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 72.8  | 57.8  | 86.8  |
| 98      | 47.9  | 36.4  | 54.6  |

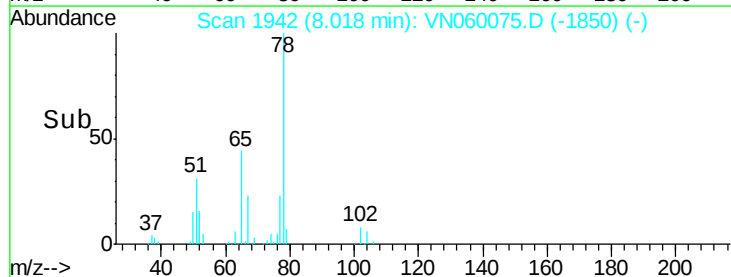
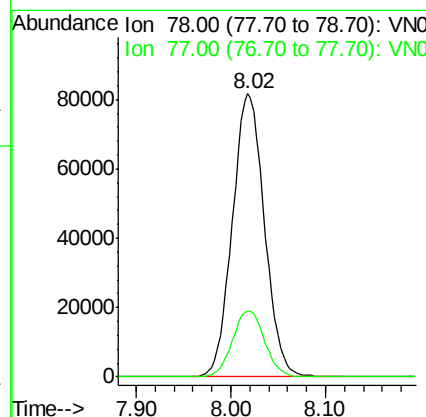
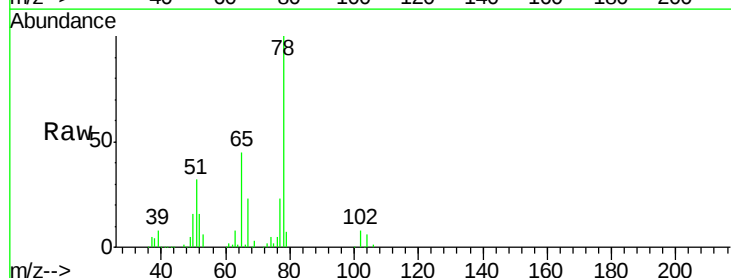
Manual Integrations  
APPROVED

MMDadoda  
2/13/2020 10:37:30 AM



#40  
Benzene  
Concen: 20.299 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 18.8  | 28.2  |





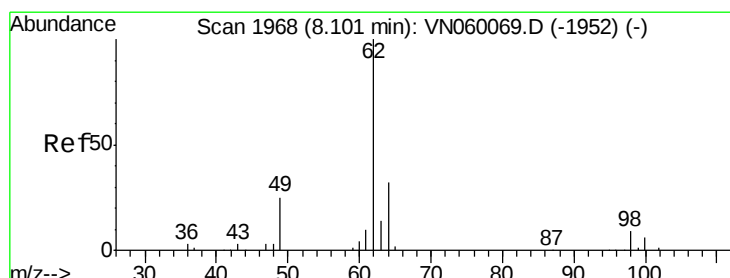
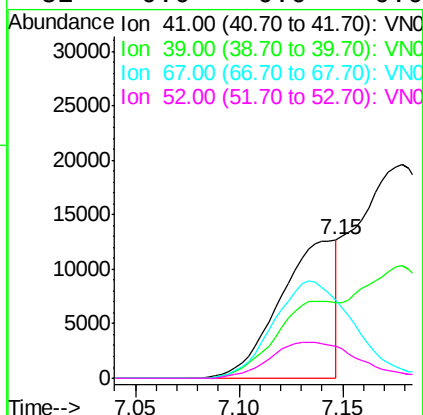
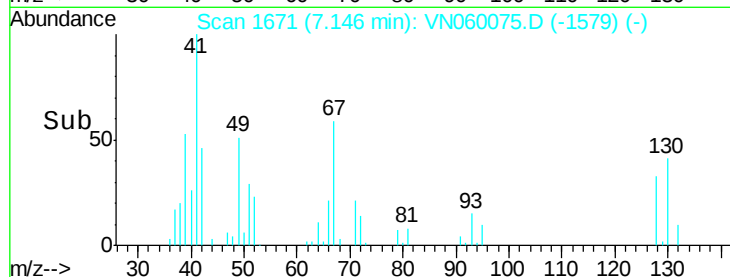
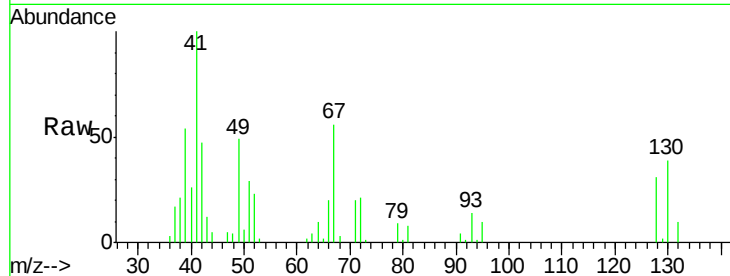
#41  
Methacrylonitrile  
Concen: 19.715 ug/l m  
RT: 7.15 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   | 23855 |       |       |
| 39      | 0.0   | 0.0   | 0.0   | 0.0   |
| 67      | 0.0   | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   | 0.0   |

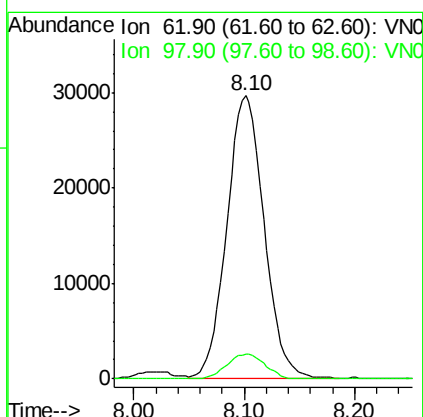
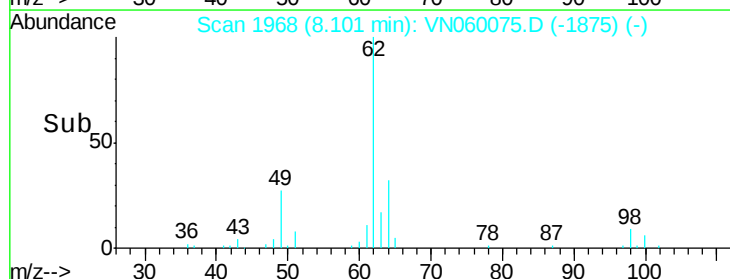
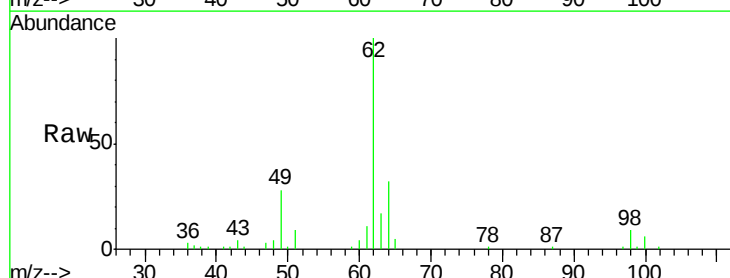
Manual Integrations  
APPROVED

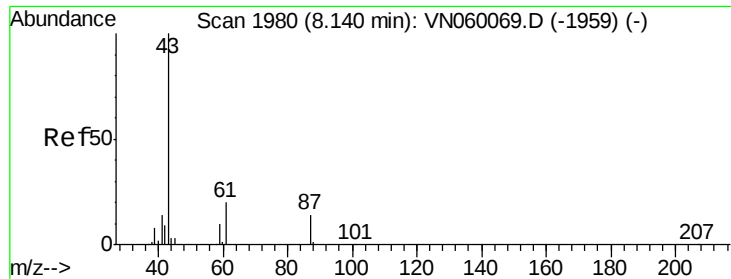
MMDadoda  
2/13/2020 10:37:30 AM



#42  
1,2-Dichloroethane  
Concen: 20.979 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 62      | 100   | 69630 |       |       |
| 98      | 8.8   | 0.0   | 18.2  |       |





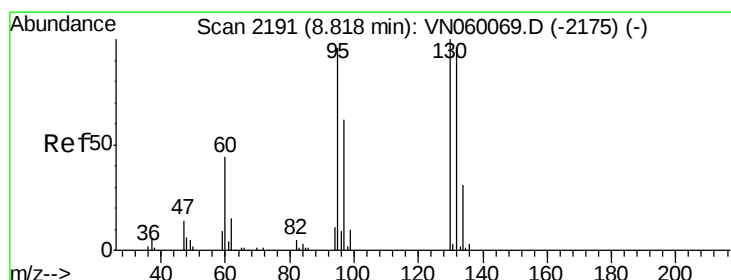
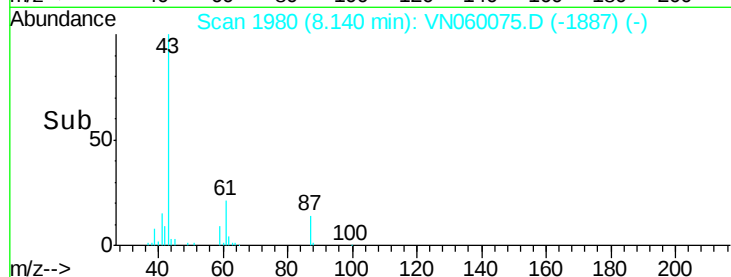
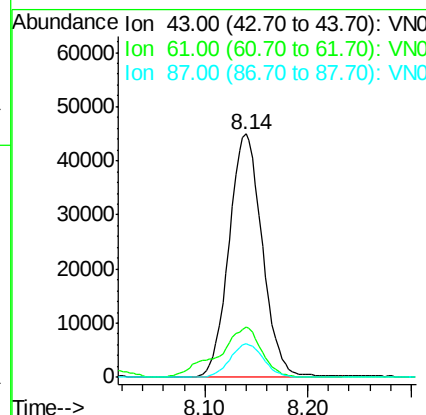
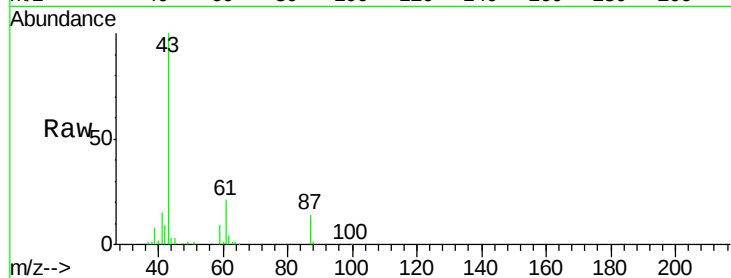
#43  
Isopropyl Acetate  
Concen: 20.537 ug/l  
RT: 8.14 min Scan# 1980  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.8  | 21.8  | 32.6  |
| 87      | 13.6  | 11.4  | 17.2  |

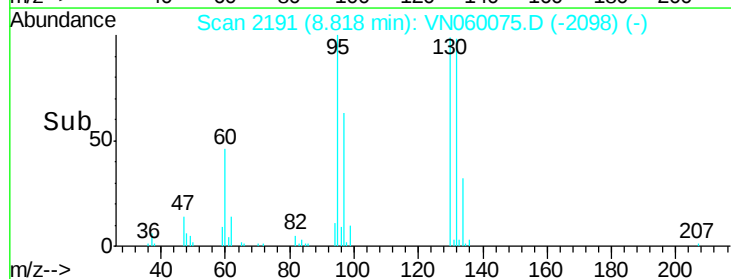
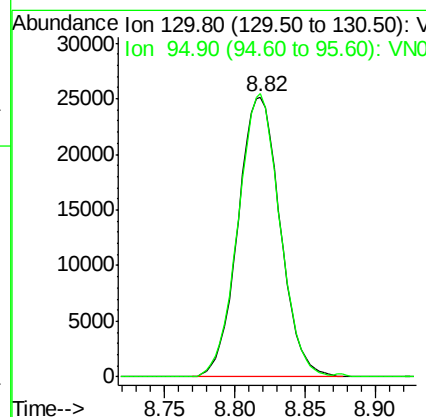
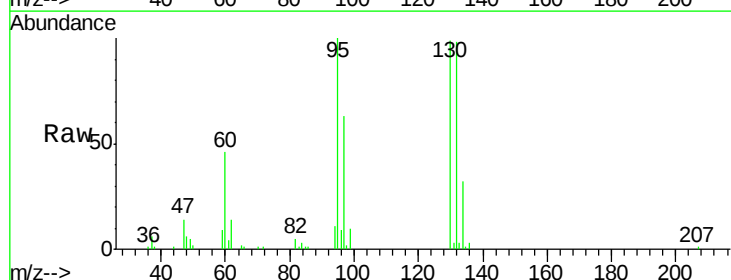
Manual Integrations  
APPROVED

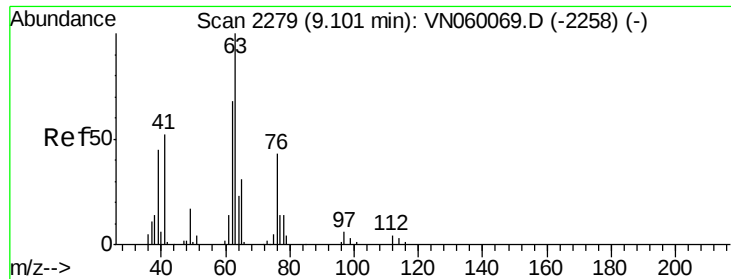
MMDadoda  
2/13/2020 10:37:30 AM



#44  
Trichloroethene  
Concen: 20.036 ug/l  
RT: 8.82 min Scan# 2191  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.0 | 0.0   | 192.4 |





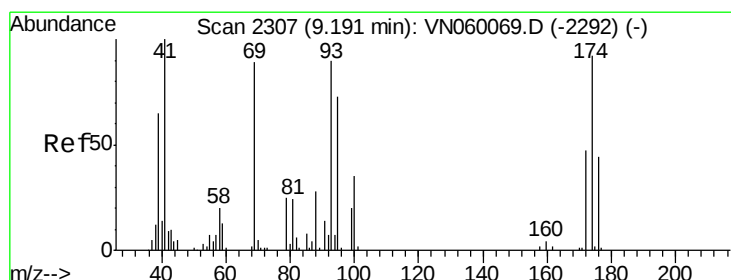
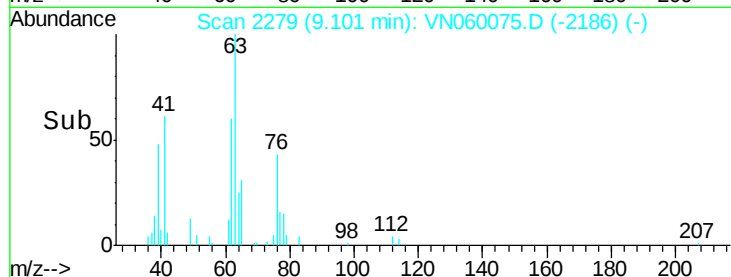
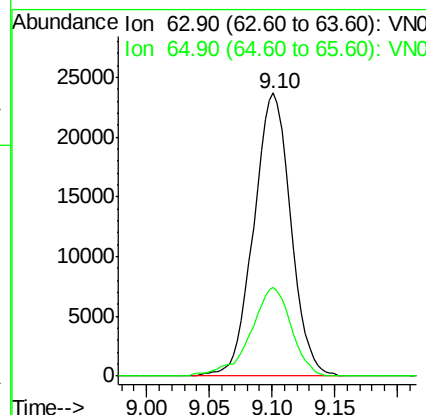
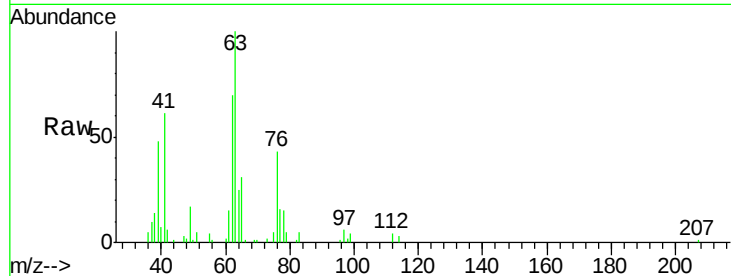
#45  
 1,2-Dichloropropane  
 Concen: 20.777 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.3  | 25.0  | 37.4  |

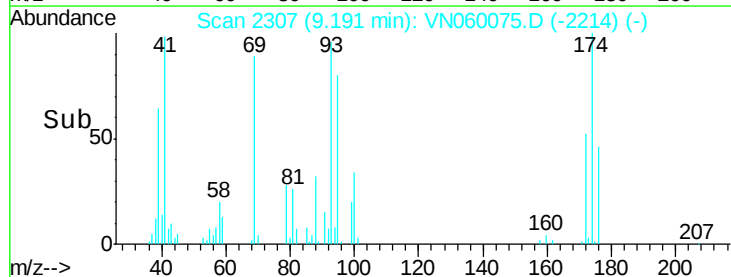
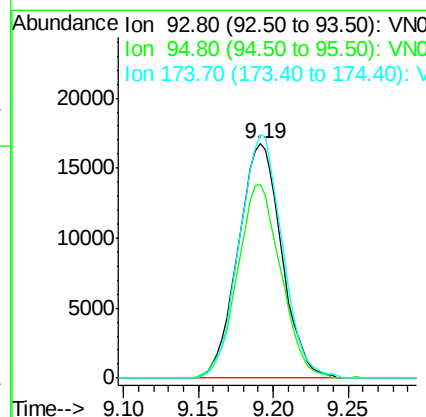
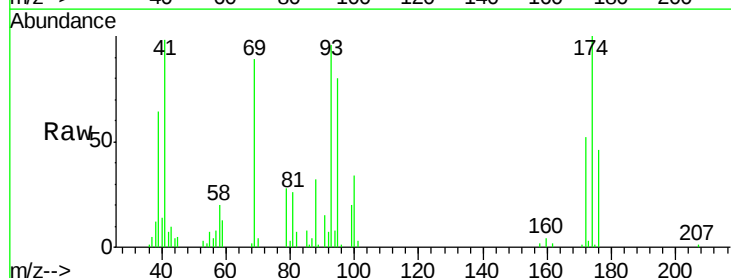
Manual Integrations  
 APPROVED

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 2/13/2020 10:37:30 AM



#46  
 Dibromomethane  
 Concen: 20.461 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.6  | 65.0  | 97.6  |
| 174     | 102.5 | 82.3  | 123.5 |





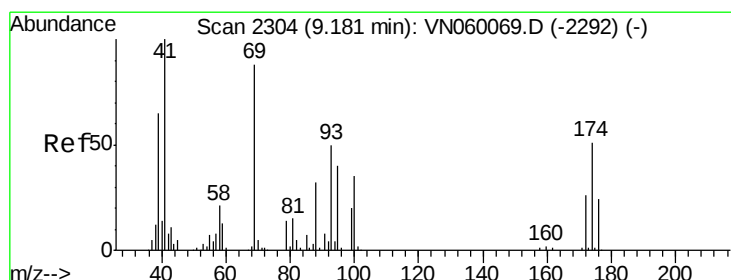
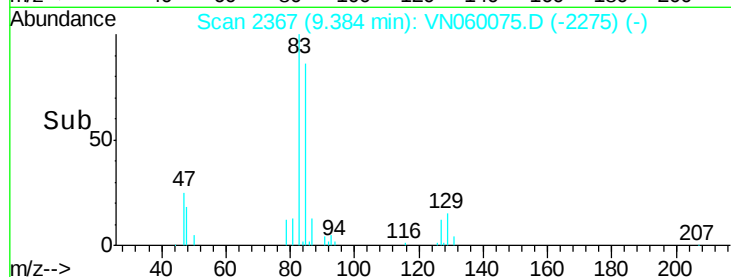
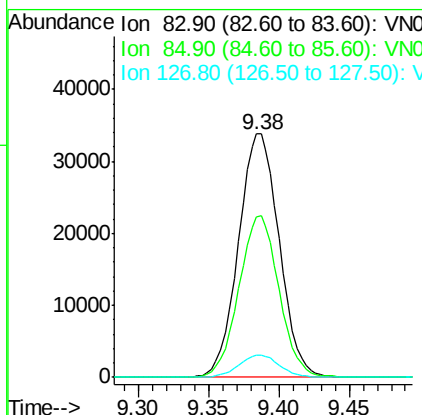
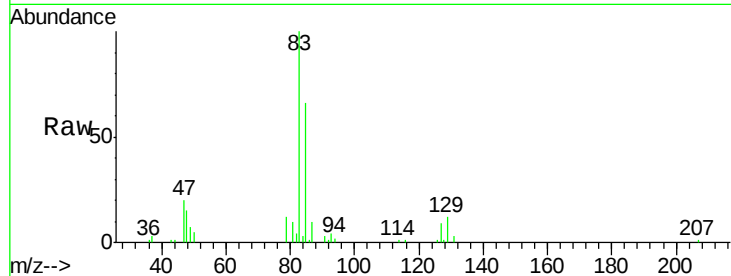
#47  
Bromodichloromethane  
Concen: 20.304 ug/l  
RT: 9.38 min Scan# 2367  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion   | 83   | Resp  | 68392 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 66.1 | 50.6  | 75.8  |
| 127       | 9.0  | 7.0   | 10.6  |

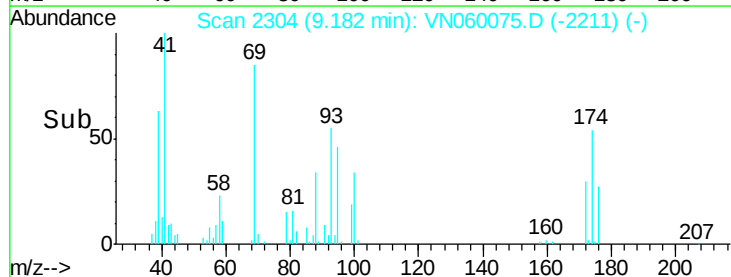
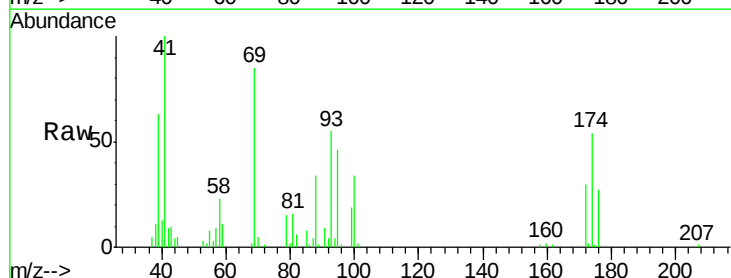
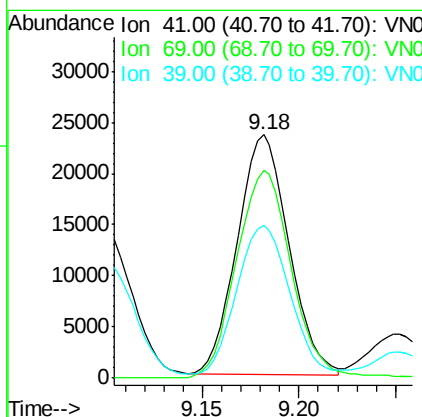
Manual Integrations  
APPROVED

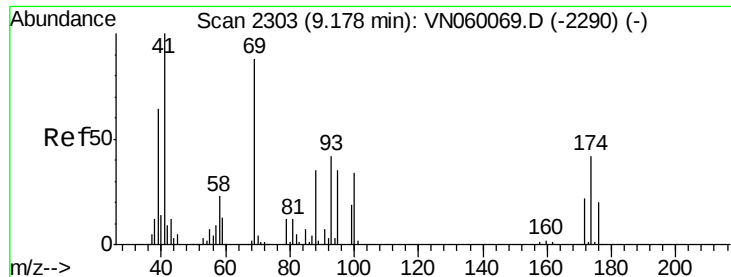
MMDadoda  
2/13/2020 10:37:30 AM



#48  
Methyl methacrylate  
Concen: 19.724 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion   | 41   | Resp  | 43647 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 92.1 | 72.0  | 108.0 |
| 39        | 63.7 | 54.1  | 81.1  |





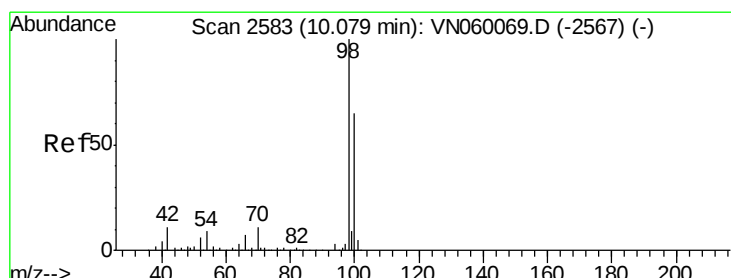
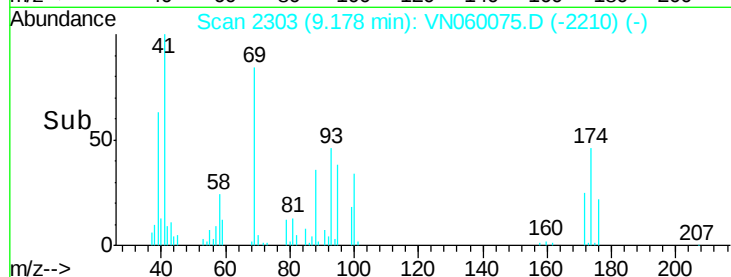
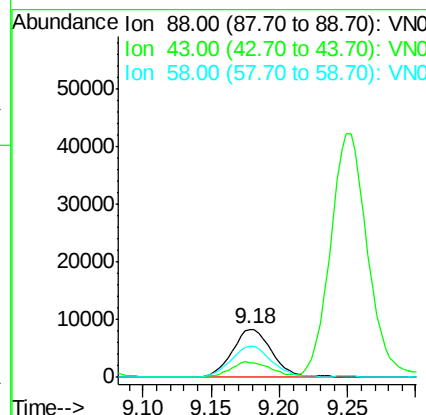
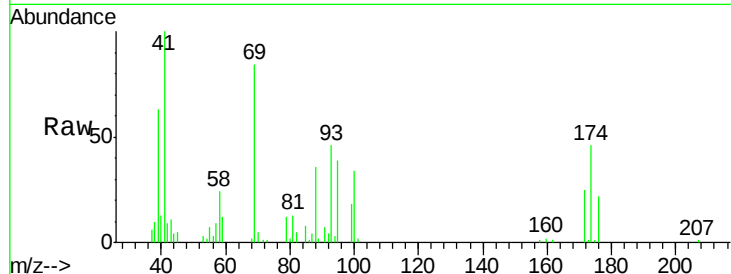
#49  
1,4-Dioxane  
Concen: 446.244 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | 88    | Resp  | 16872 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 32.7  | 26.2  | 39.2  |
| 58      | 67.4  | 53.2  | 79.8  |

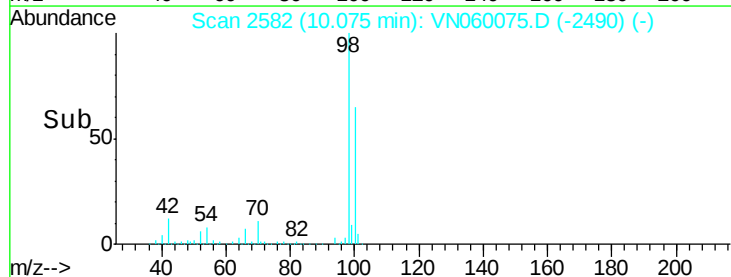
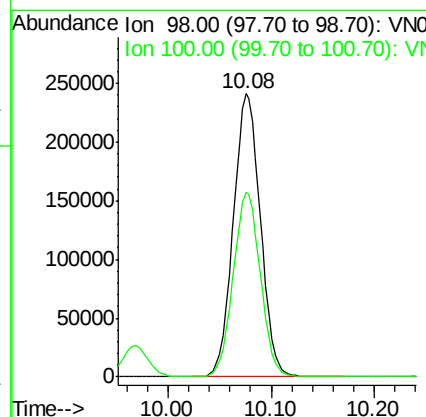
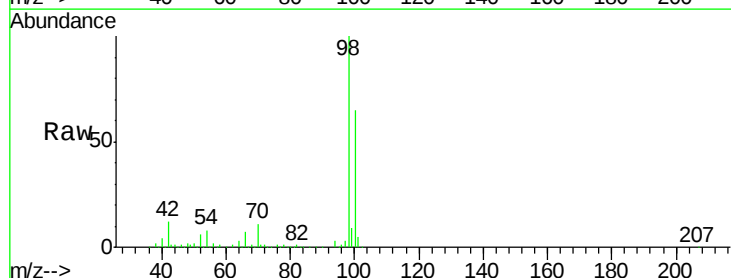
Manual Integrations  
APPROVED

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2/13/2020 10:37:30 AM



#50  
Toluene-d8  
Concen: 52.845 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | 98    | Resp  | 440899 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.2  | 51.7  | 77.5   |





#51

4-Methyl-2-Pentanone

Concen: 101.570 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

ClientSampled :

VN0212WBS01

Tot Ion: 43 Resp: 289960

Ion Ratio Lower Upper

43 100

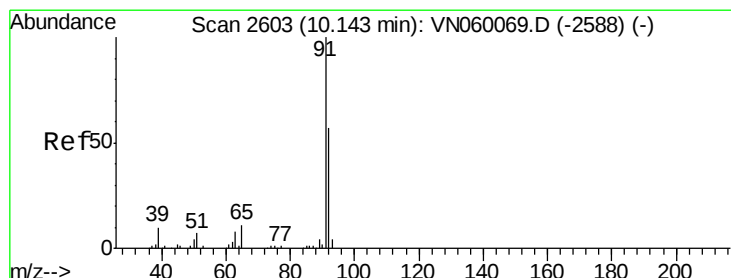
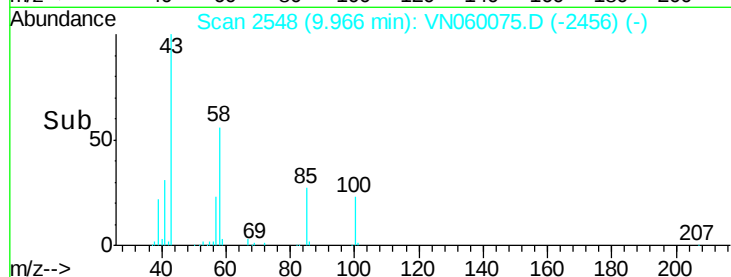
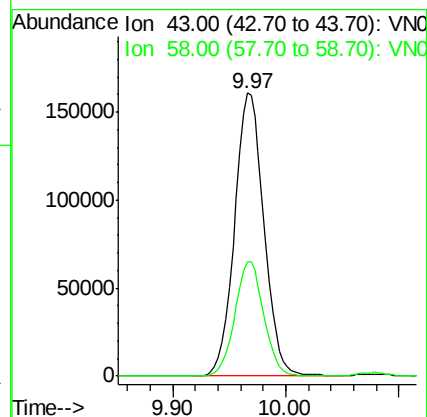
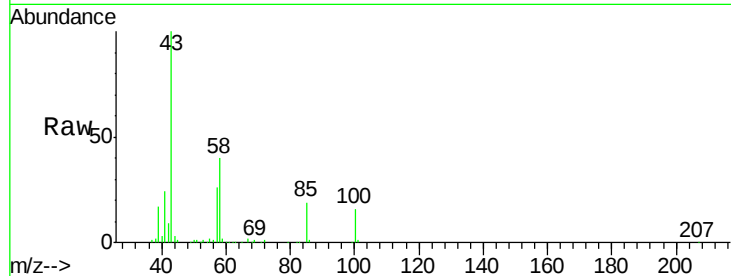
58 39.7 31.8 47.8

Manual Integrations

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MMDadoda

2/13/2020 10:37:30 AM



#52

Toluene

Concen: 20.693 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060075.D

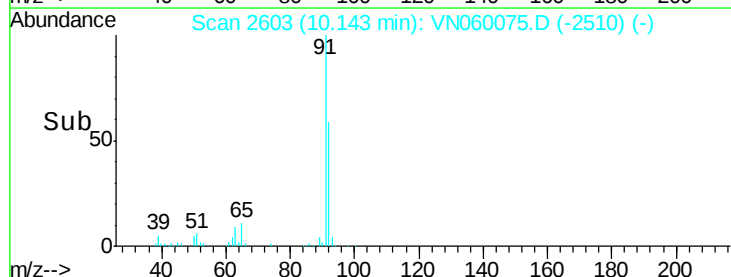
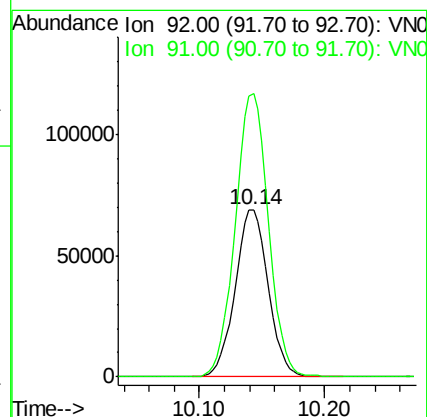
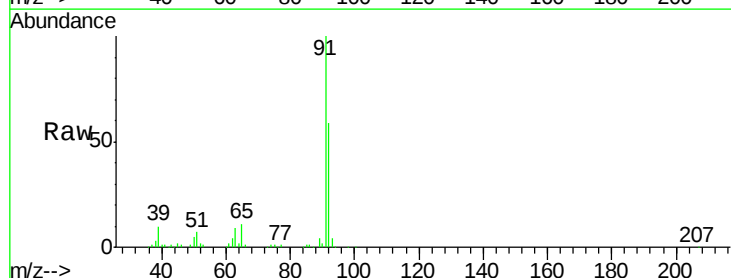
Acq: 12 Feb 2020 15:42

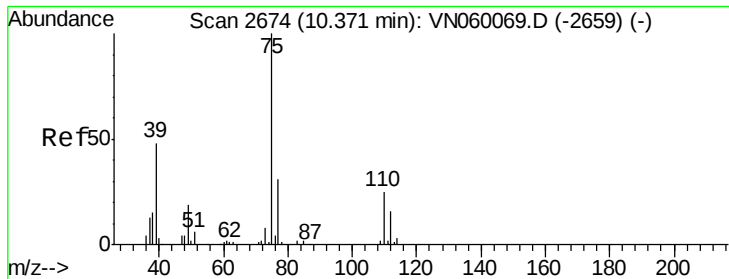
Tgt Ion: 92 Resp: 125666

Ion Ratio Lower Upper

92 100

91 170.8 140.9 211.3





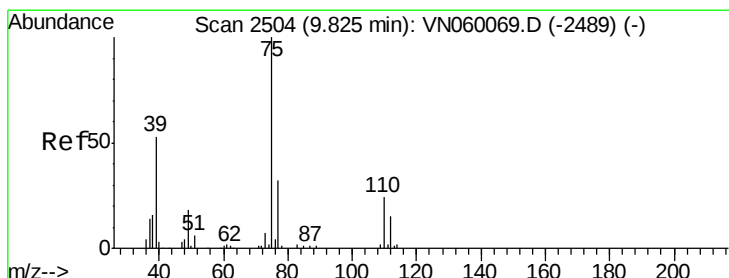
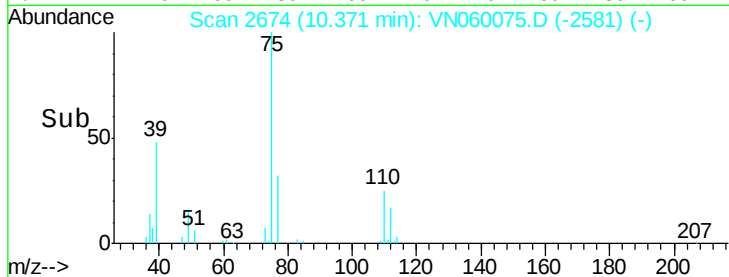
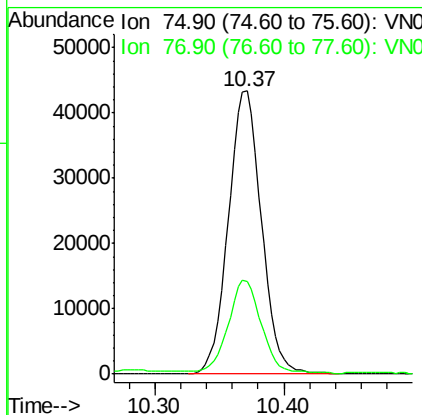
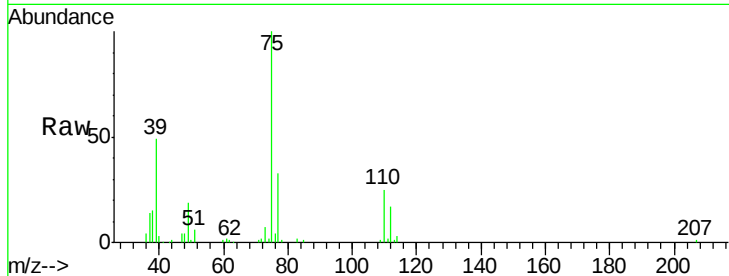
#53  
t-1,3-Dichloropropene  
Concen: 20.298 ug/l  
RT: 10.37 min Scan# 2674  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.5  | 25.4  | 38.0  |

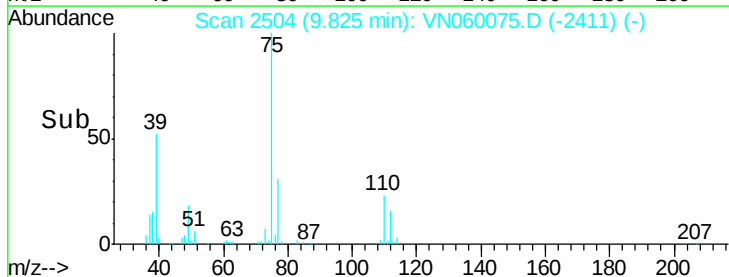
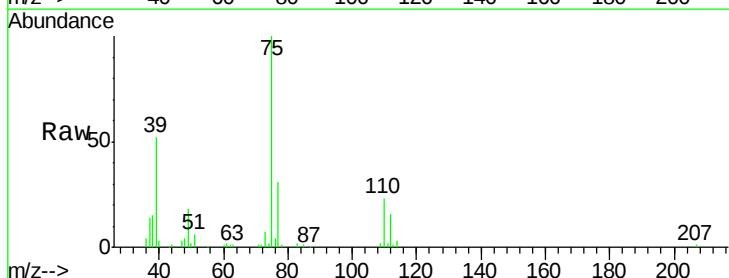
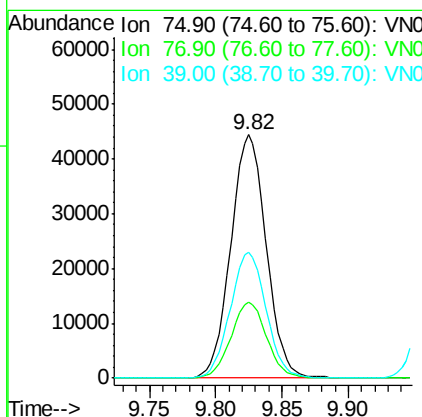
Manual Integrations  
APPROVED

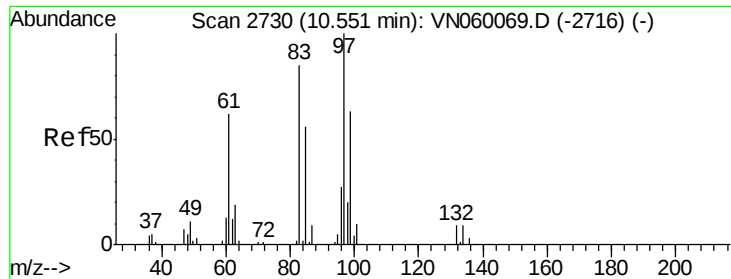
MMDadoda  
2/13/2020 10:37:30 AM



#54  
cis-1,3-Dichloropropene  
Concen: 20.575 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.1  | 25.6  | 38.4  |
| 39      | 51.9  | 42.2  | 63.4  |





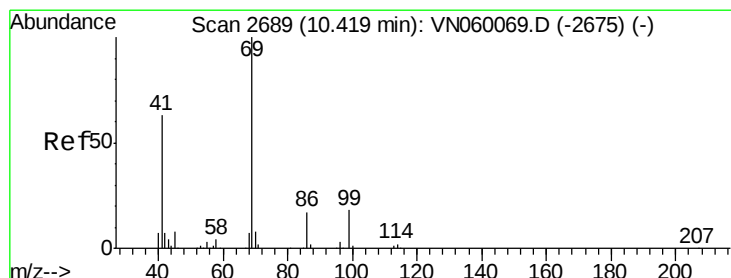
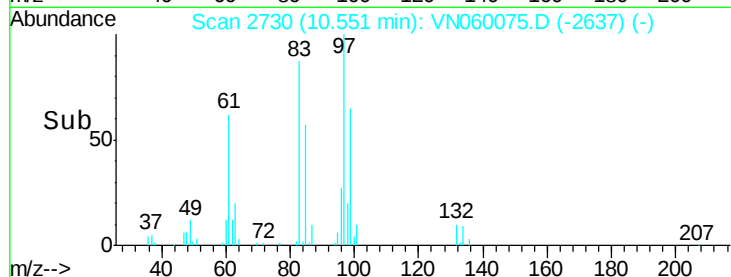
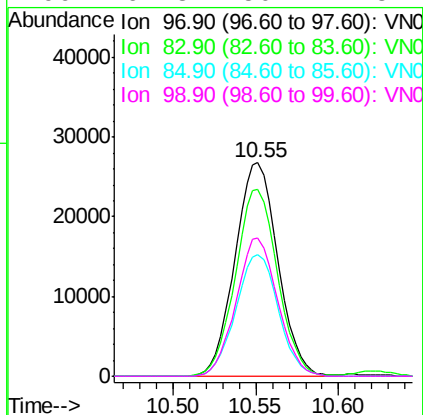
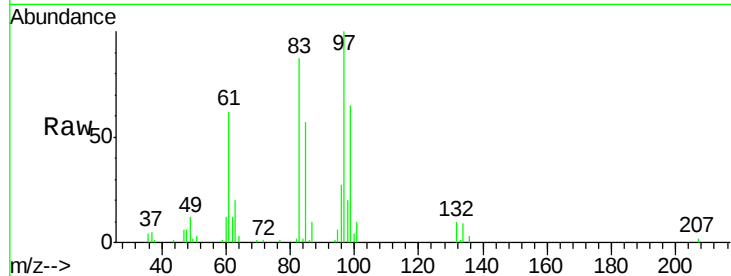
#55  
 1,1,2-Trichloroethane  
 Concen: 20.312 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 48122 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.4  | 67.9  | 101.9 |
| 85       | 56.8  | 44.6  | 67.0  |
| 99       | 64.8  | 50.1  | 75.1  |

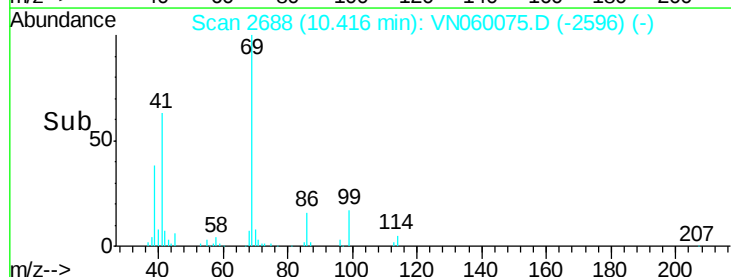
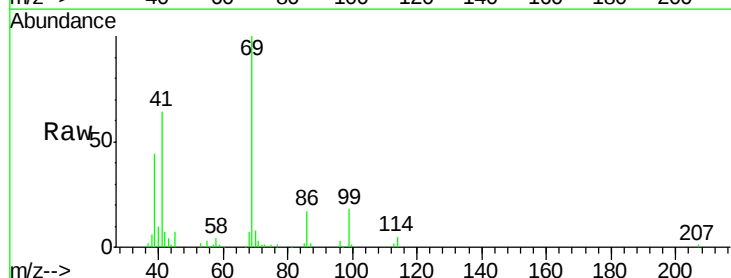
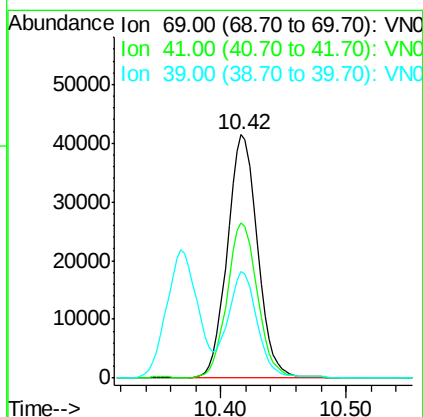
Manual Integrations  
 APPROVED

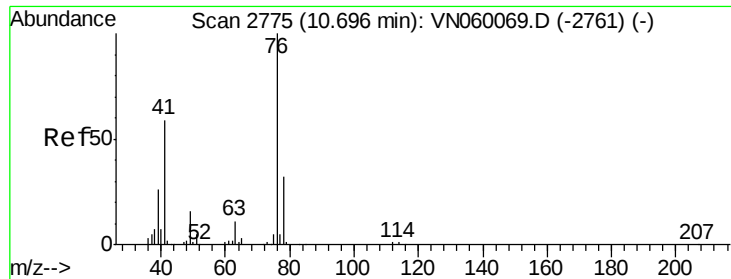
MMDadoda  
 2/13/2020 10:37:30 AM



#56  
 Ethyl methacrylate  
 Concen: 20.730 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. -0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 69477 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 64.4  | 51.1  | 76.7  |
| 39       | 41.9  | 33.8  | 50.8  |





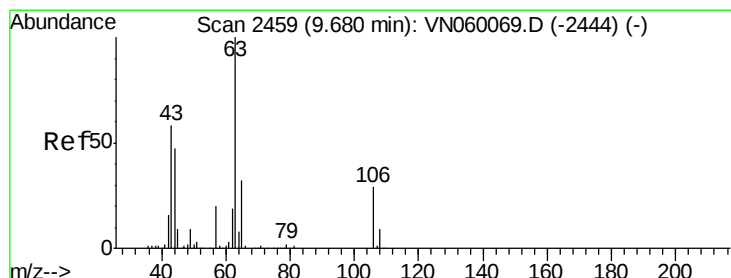
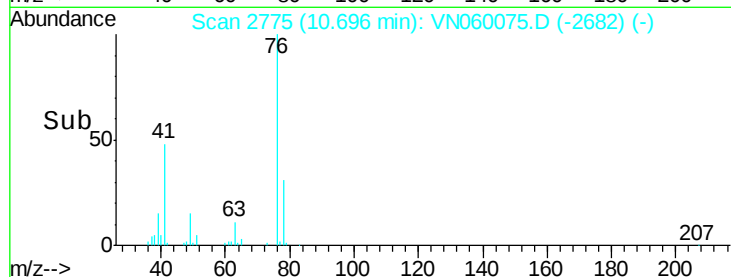
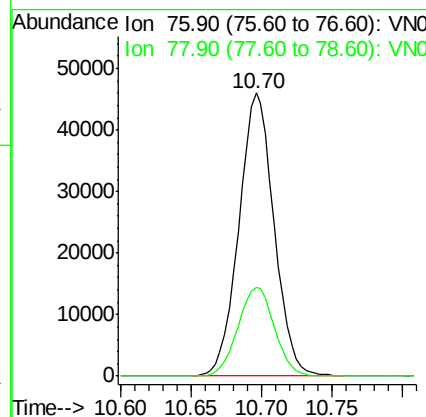
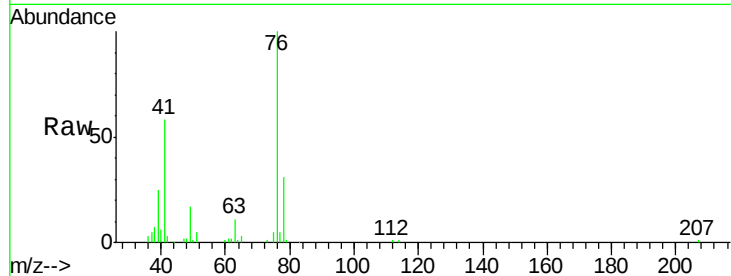
#57  
 1,3-Dichloropropane  
 Concen: 20.514 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.6  | 25.7  | 38.5  |

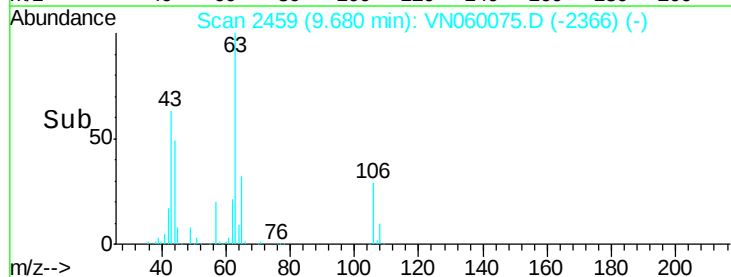
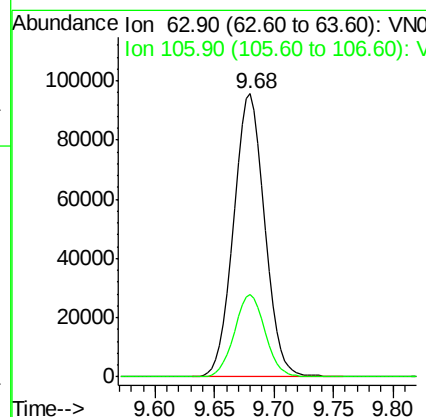
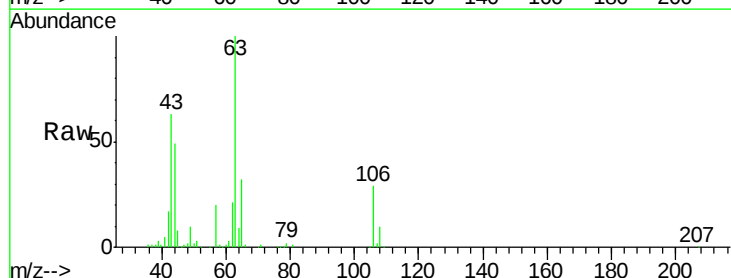
Manual Integrations  
 APPROVED

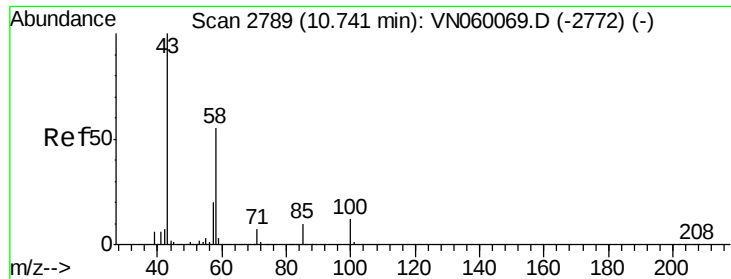
MMDadoda  
 2/13/2020 10:37:30 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 111.019 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.8  | 22.9  | 34.3  |





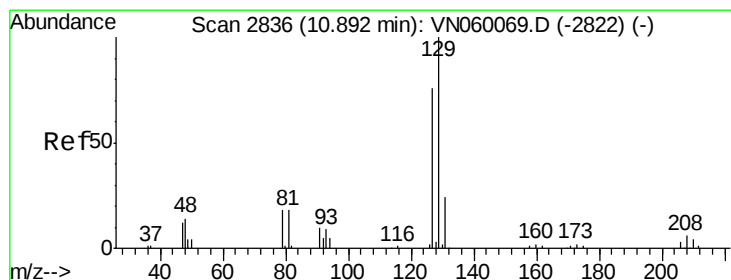
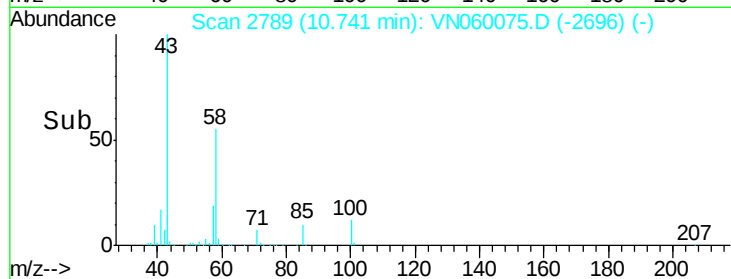
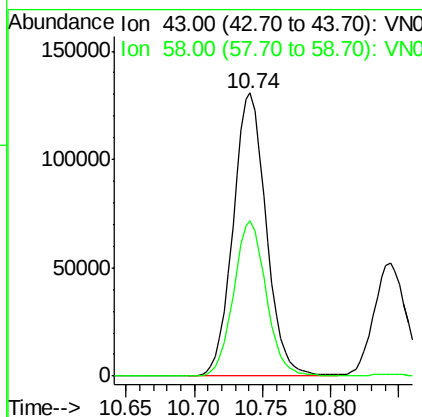
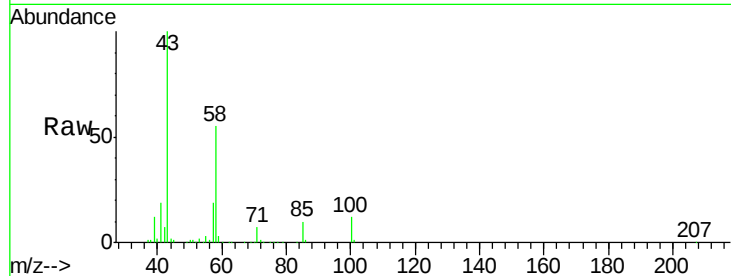
#59  
2-Hexanone  
Concen: 99.784 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion   | 43 | Resp | 220048 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 53.9 | 27.5   |
| Upper     |    |      | 82.4   |

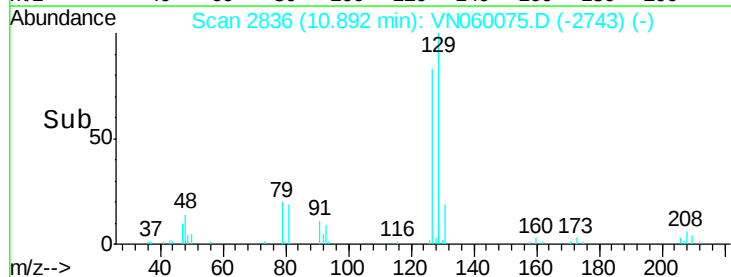
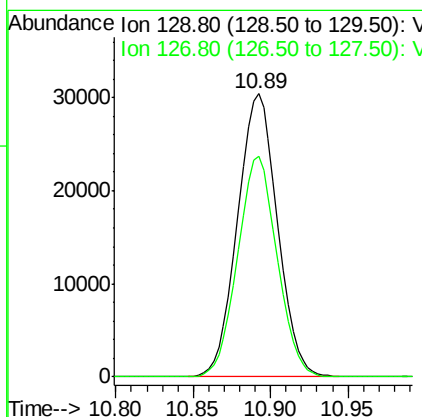
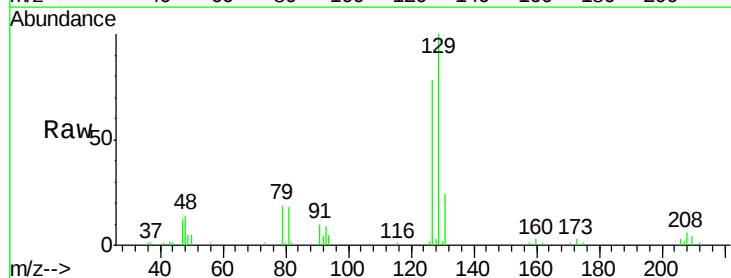
Manual Integrations  
APPROVED

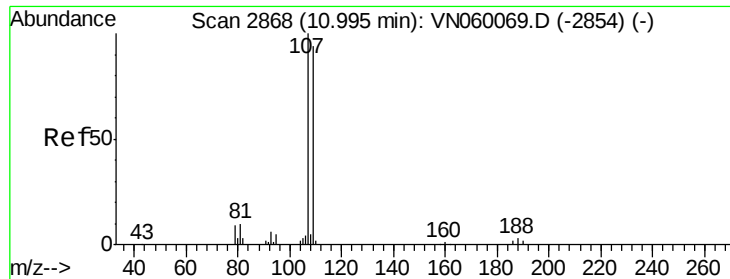
MMDadoda  
2/13/2020 10:37:30 AM



#60  
Dibromochloromethane  
Concen: 20.081 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion   | 129 | Resp | 54595 |
|-----------|-----|------|-------|
| Ion Ratio | 129 | 100  |       |
| Lower     | 127 | 76.9 | 38.0  |
| Upper     |     |      | 114.1 |





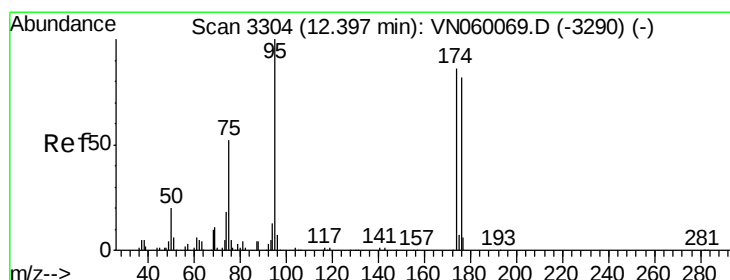
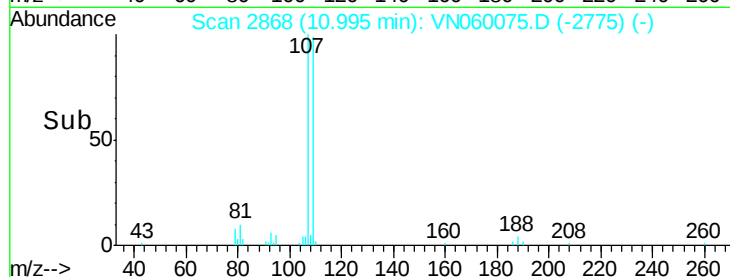
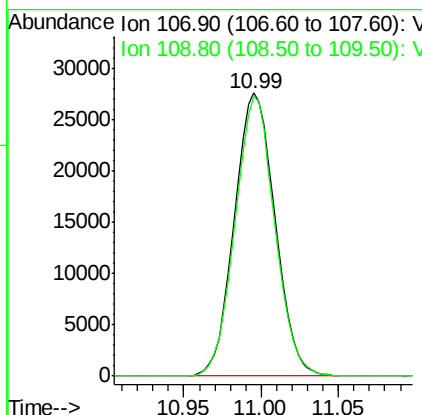
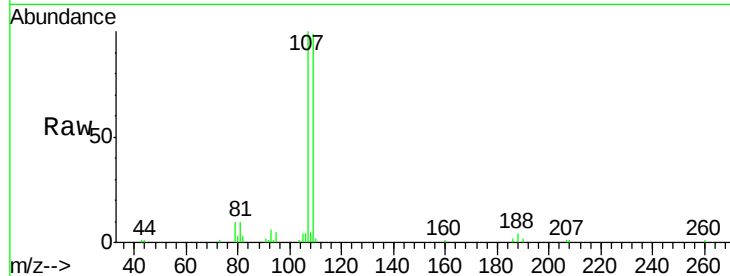
#61  
 1,2-Dibromoethane  
 Concen: 20.295 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

Tot Ion: 107 Resp: 50403  
 Ion Ratio Lower Upper  
 107 100  
 109 96.4 75.4 113.0

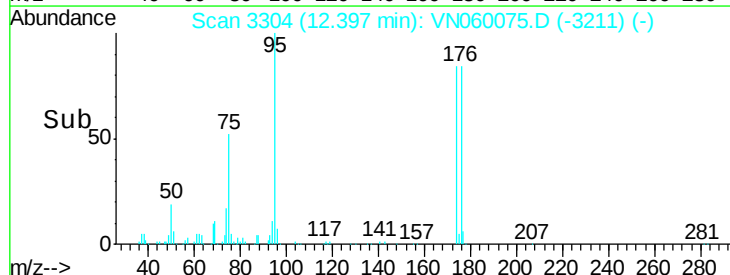
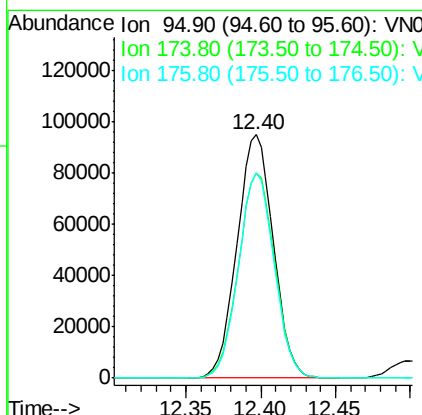
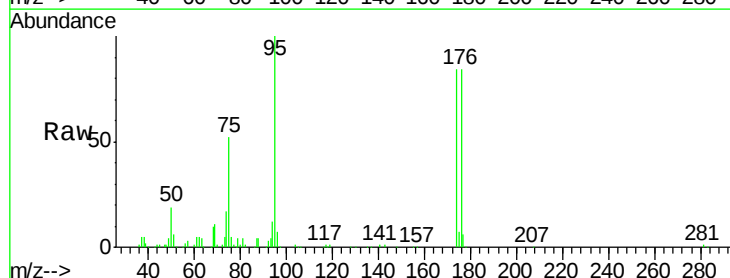
Manual Integrations  
 APPROVED

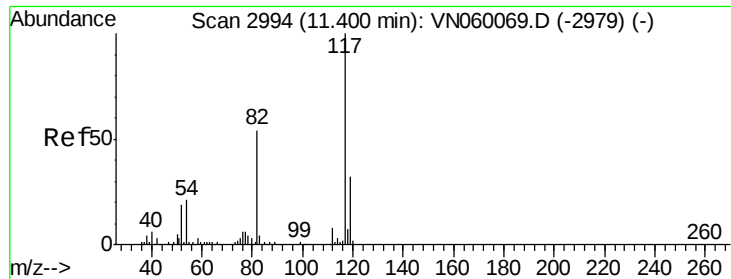
MMDadoda  
 2/13/2020 10:37:30 AM



#62  
 4-Bromofluorobenzene  
 Concen: 52.227 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Tgt Ion: 95 Resp: 160116  
 Ion Ratio Lower Upper  
 95 100  
 174 84.6 0.0 169.8  
 176 82.8 0.0 164.8





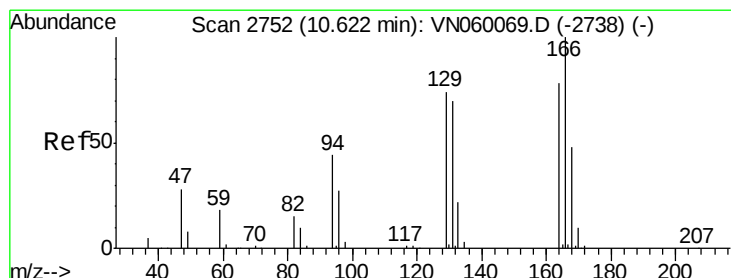
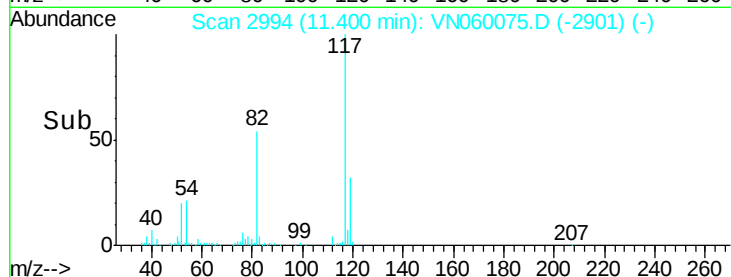
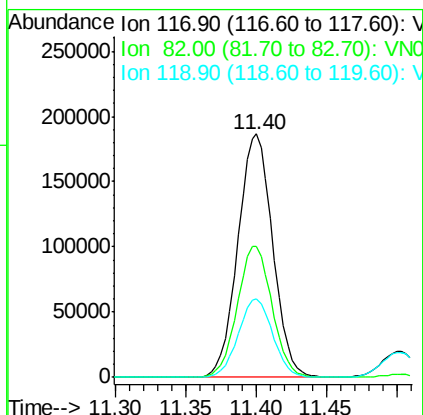
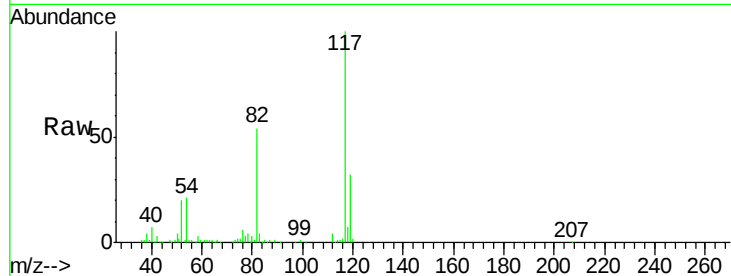
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.6  | 43.4  | 65.0  |
| 119     | 32.3  | 25.8  | 38.6  |

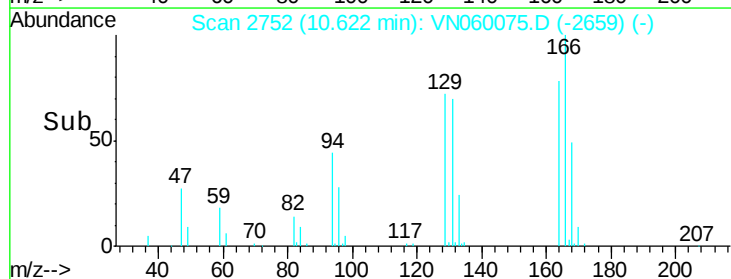
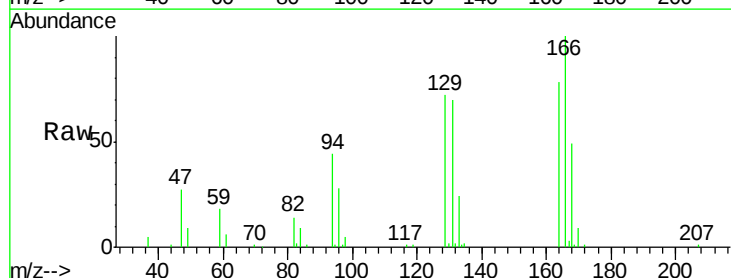
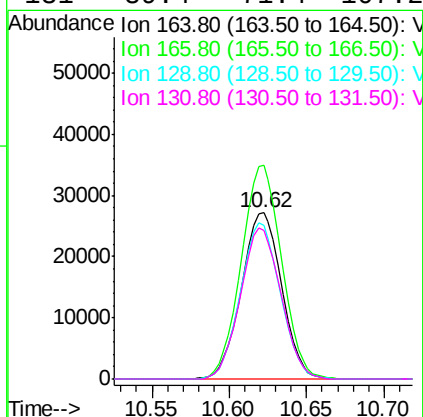
Manual Integrations  
APPROVED

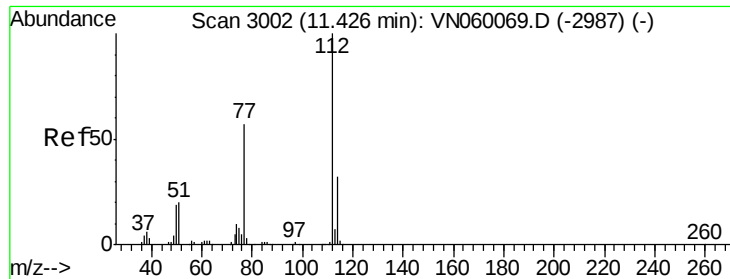
MMDadoda  
2/13/2020 10:37:30 AM



#64  
Tetrachloroethene  
Concen: 20.121 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.4 | 101.9 | 152.9 |
| 129     | 92.6  | 75.4  | 113.0 |
| 131     | 89.4  | 71.4  | 107.2 |





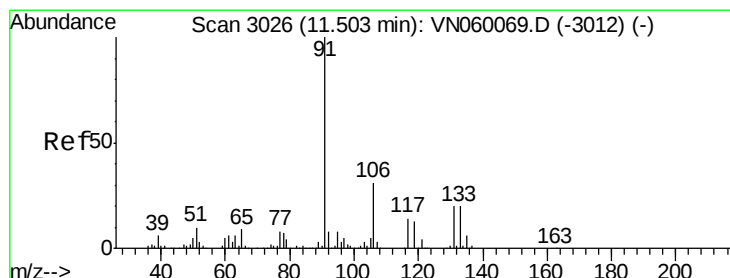
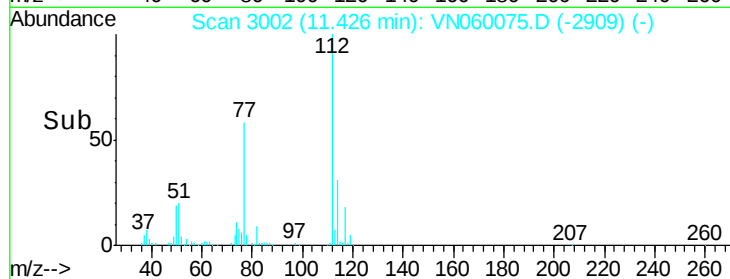
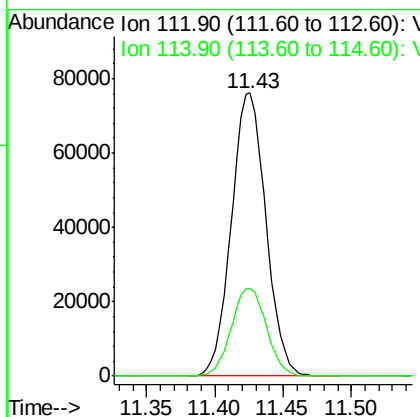
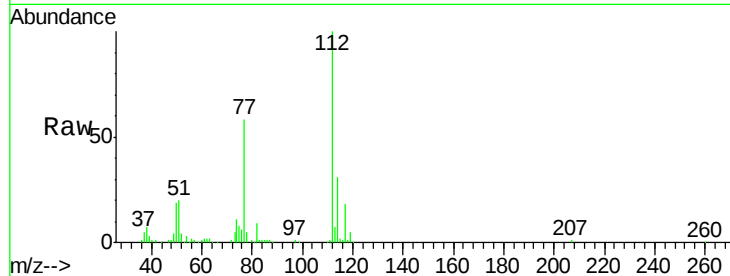
#65  
Chlorobenzene  
Concen: 20.327 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.1  | 25.4  | 38.0  |

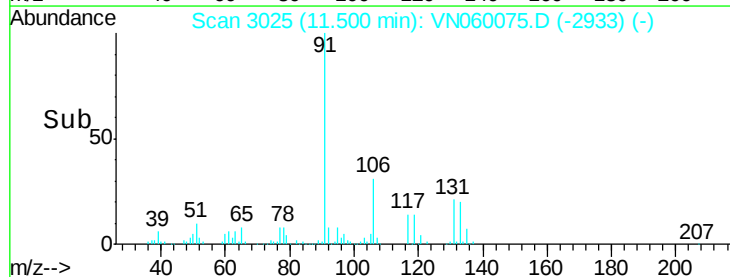
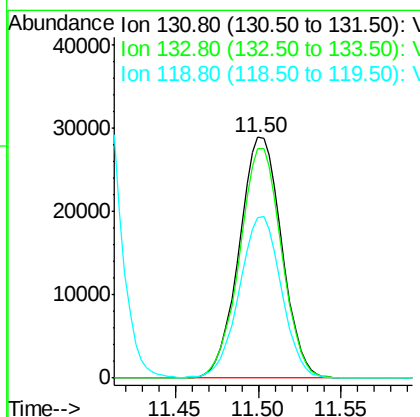
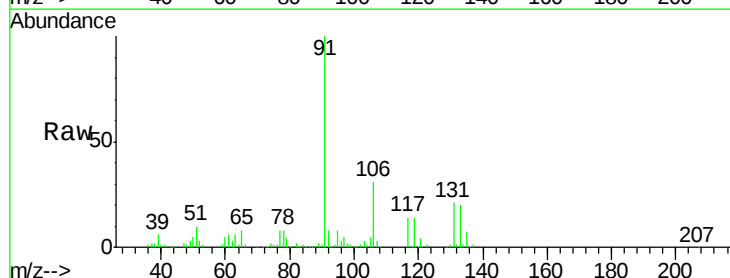
Manual Integrations  
APPROVED

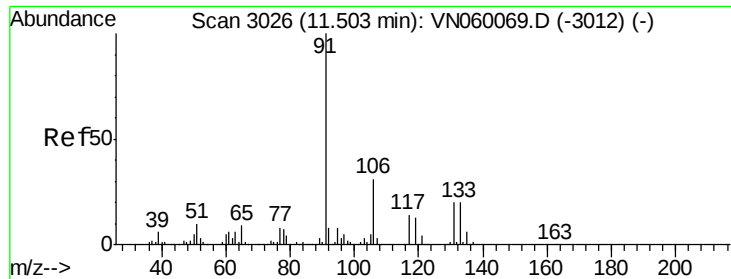
MMDadoda  
2/13/2020 10:37:30 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.715 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 94.5  | 47.9  | 143.7 |
| 119     | 66.4  | 32.6  | 97.7  |





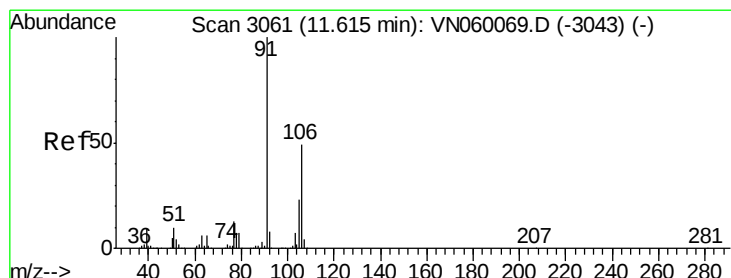
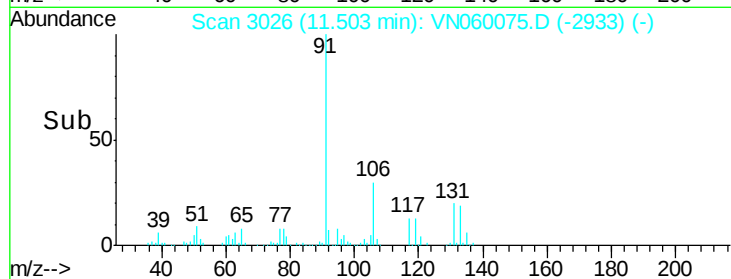
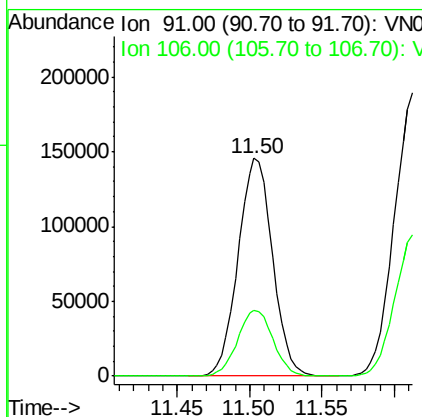
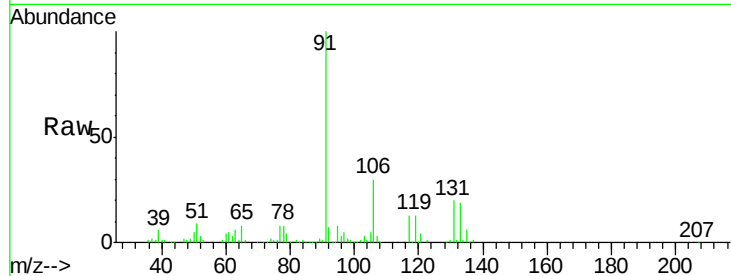
#67  
Ethyl Benzene  
Concen: 20.315 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 30.4  | 25.1  | 37.7  |

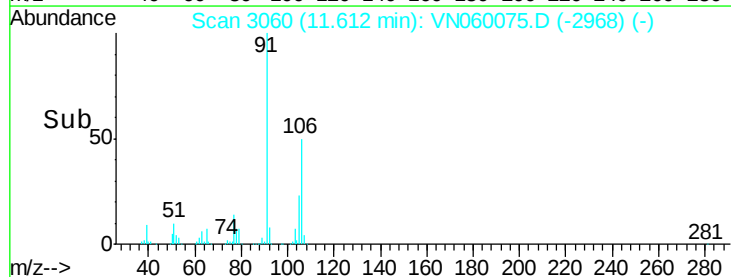
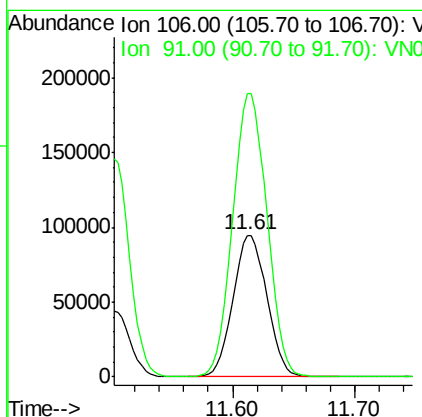
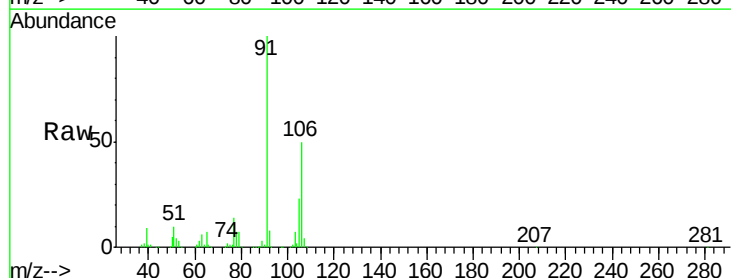
Manual Integrations  
APPROVED

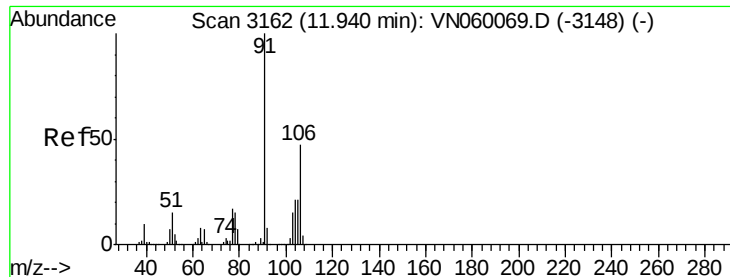
MMDadoda  
2/13/2020 10:37:30 AM



#68  
m/p-Xylenes  
Concen: 40.861 ug/l  
RT: 11.61 min Scan# 3060  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 202.8 | 162.7 | 244.1 |





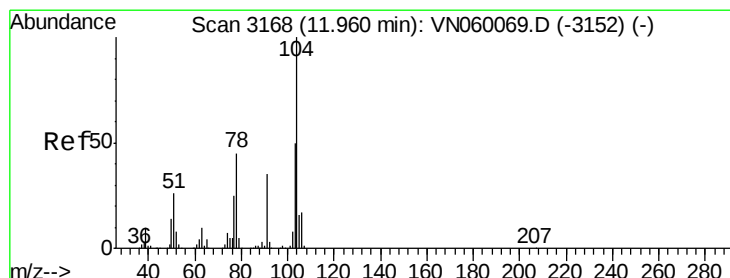
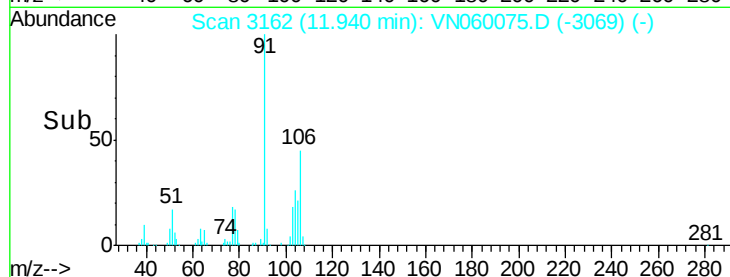
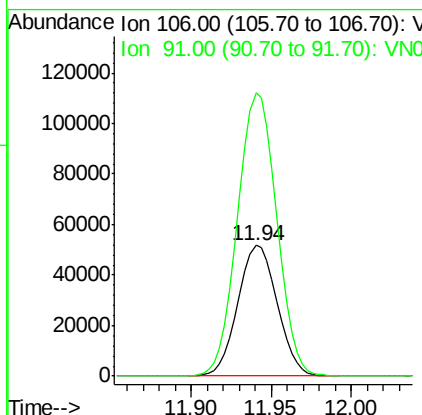
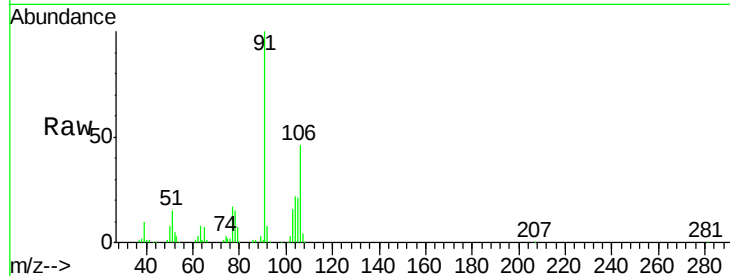
#69  
o-Xylene  
Concen: 20.224 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 216.1 | 107.2 | 321.6 |       |

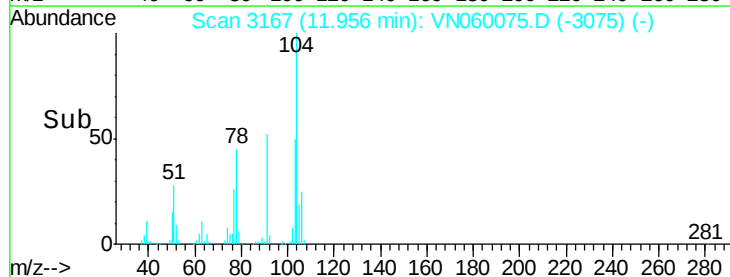
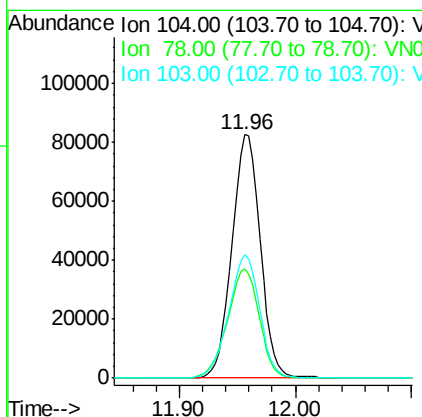
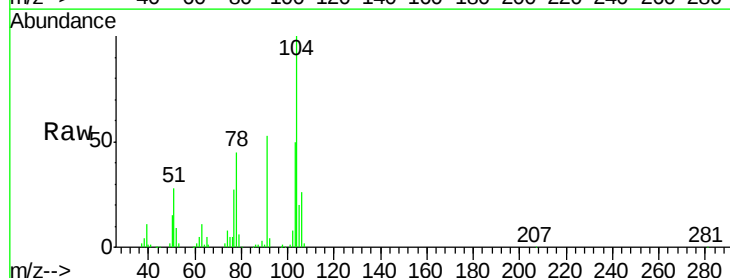
Manual Integrations  
APPROVED

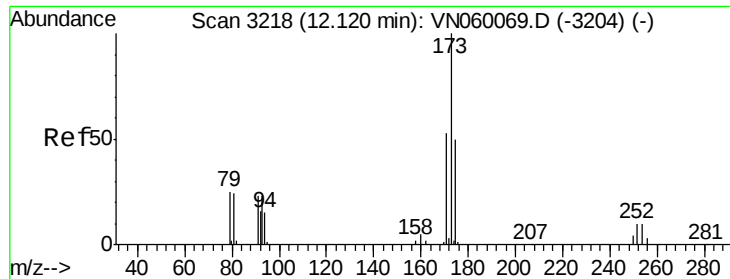
MMDadoda  
2/13/2020 10:37:30 AM



#70  
Styrene  
Concen: 20.198 ug/l  
RT: 11.96 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 50.1 | 40.2  | 60.2  |       |
| 103     | 55.0 | 44.3  | 66.5  |       |





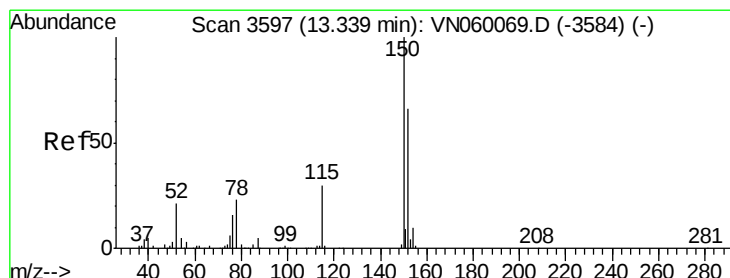
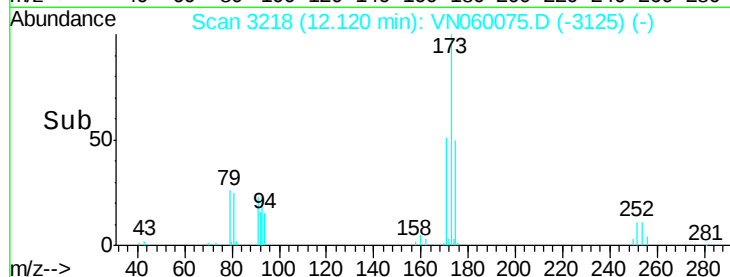
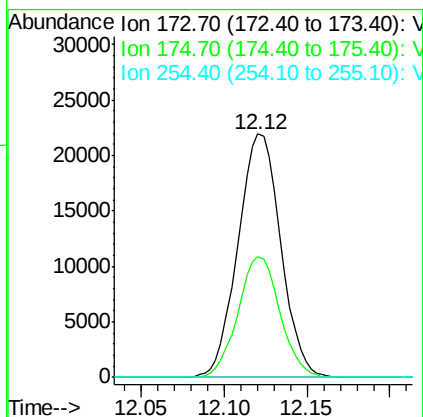
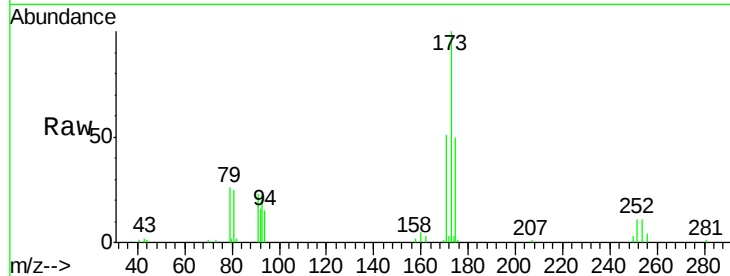
#71  
Bromoform  
Concen: 19.658 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 24.9  | 74.6  |
| 254     | 0.0   | 0.0   | 0.0   |

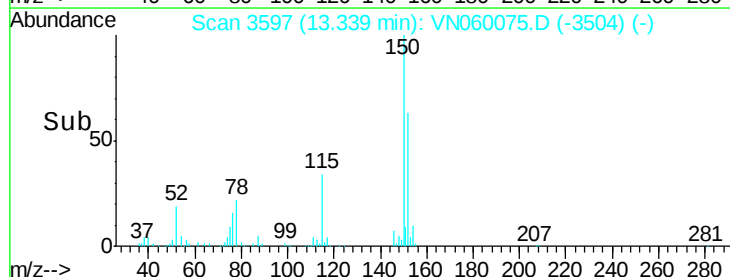
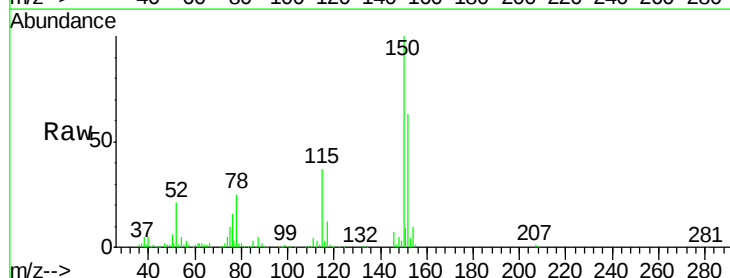
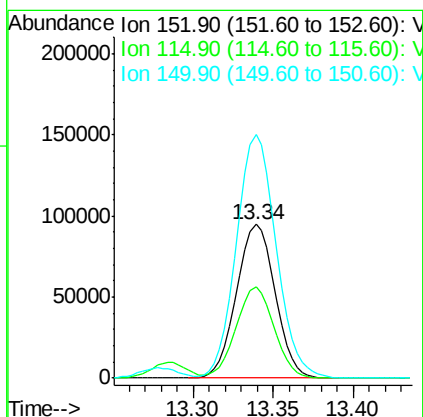
Manual Integrations  
APPROVED

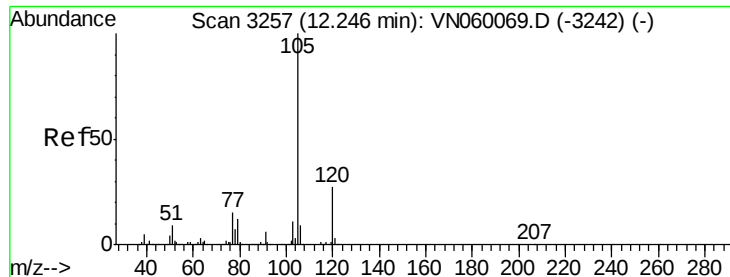
MMDadoda  
2/13/2020 10:37:30 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.3  | 28.9  | 86.8  |
| 150     | 162.4 | 0.0   | 342.4 |





#73

Isopropylbenzene

Concen: 20.262 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0212WBS01

Tot Ion: 105 Resp: 236220

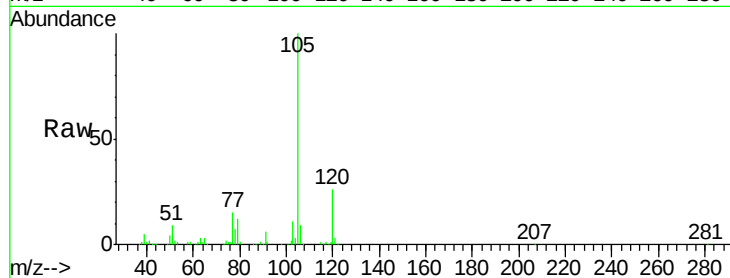
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

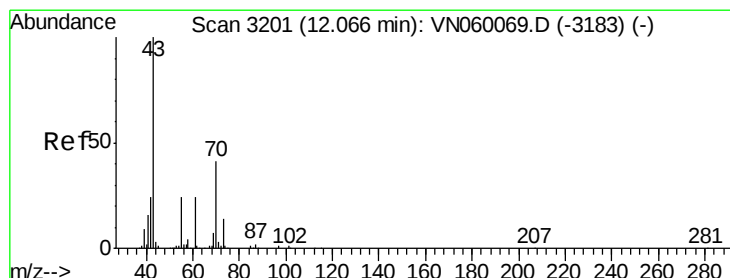
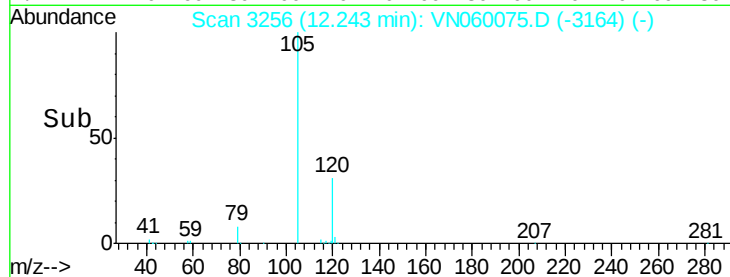
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.591 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Tgt Ion: 43 Resp: 86562

Ion Ratio Lower Upper

43 100

70 42.7 33.4 50.0

55 23.5 18.8 28.2

61 24.4 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

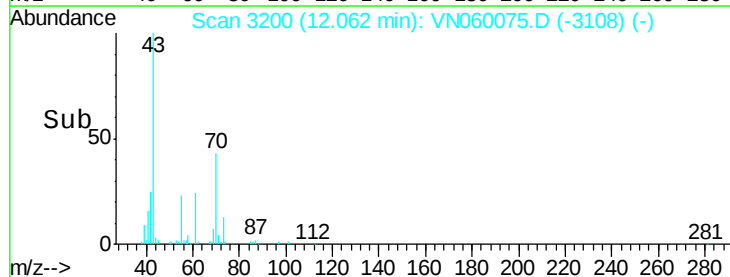
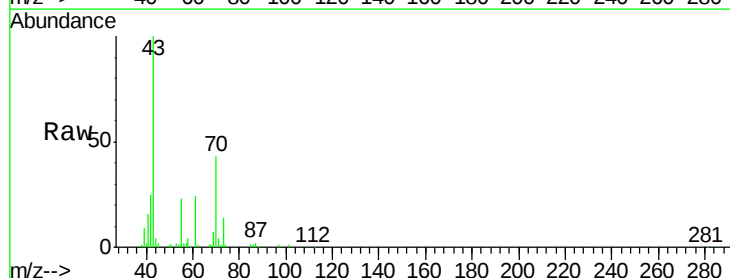
40000

20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.217 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

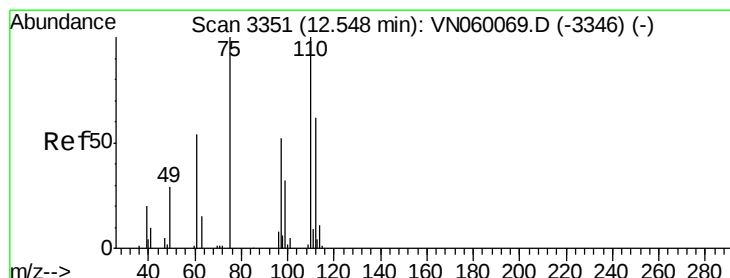
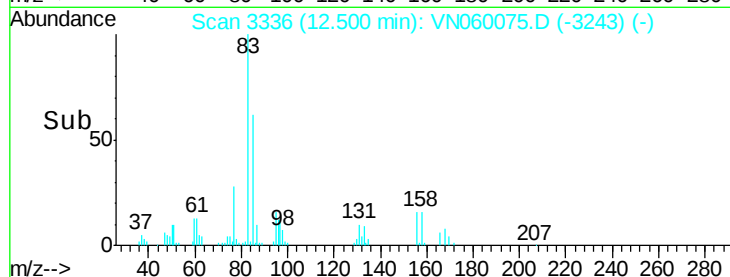
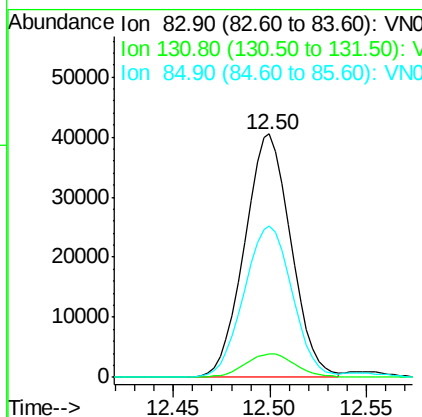
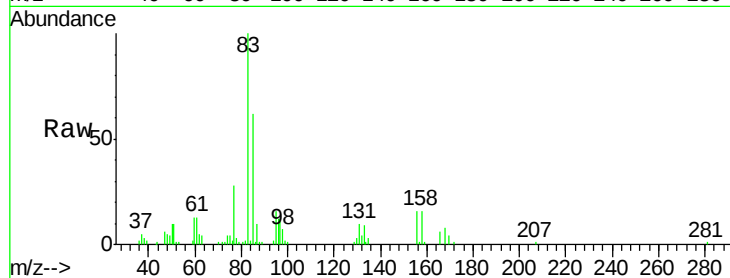
ClientSampleId :

VN0212WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 67841 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.3  | 5.2   | 15.6  |
| 85        | 64.5  | 32.3  | 96.9  |

Manual Integrations  
APPROVED

MMDadoda  
2/13/2020 10:37:30 AM



#76

1,2,3-Trichloropropane

Concen: 20.382 ug/l m

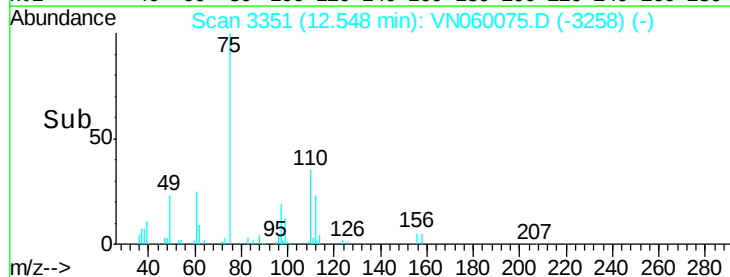
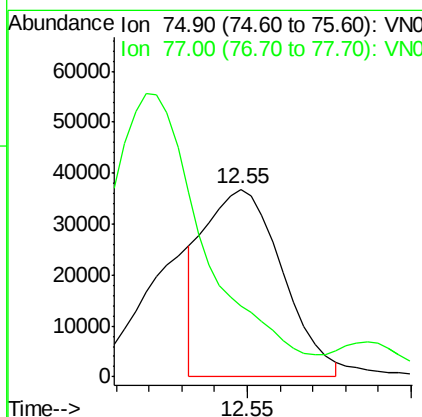
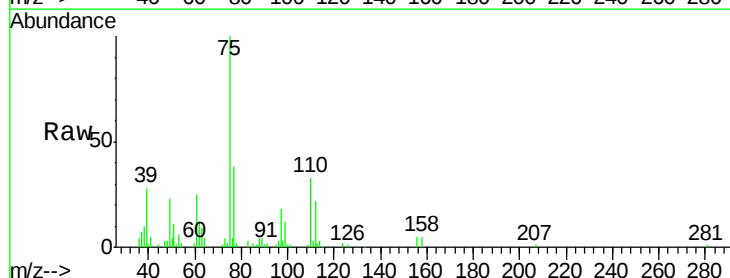
RT: 12.55 min Scan# 3351

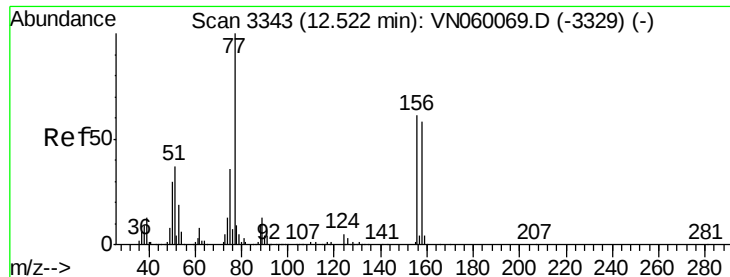
Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 60879 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.252 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

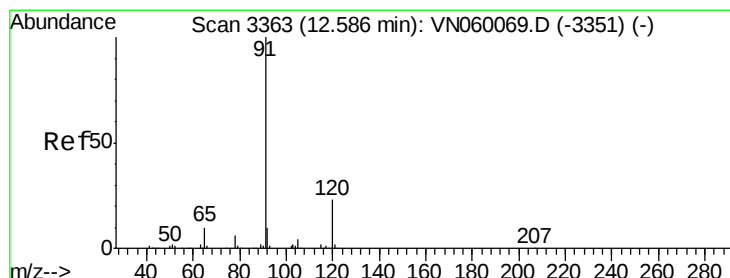
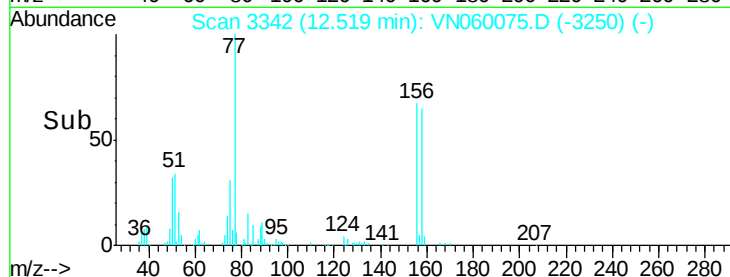
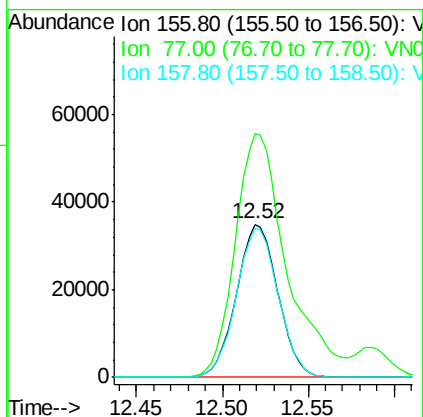
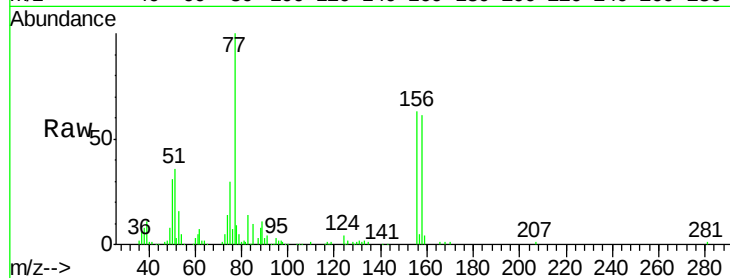
ClientSampleId :

VN0212WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 58594 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 198.0 | 98.7  | 296.1 |
| 158       | 98.5  | 48.1  | 144.4 |

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:30 AM



#78

n-propylbenzene

Concen: 19.976 ug/l

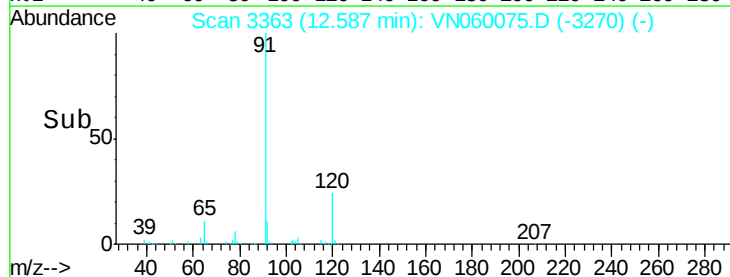
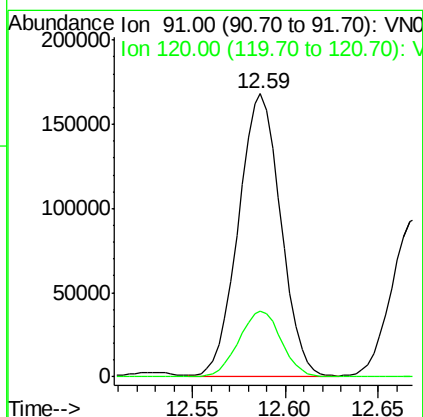
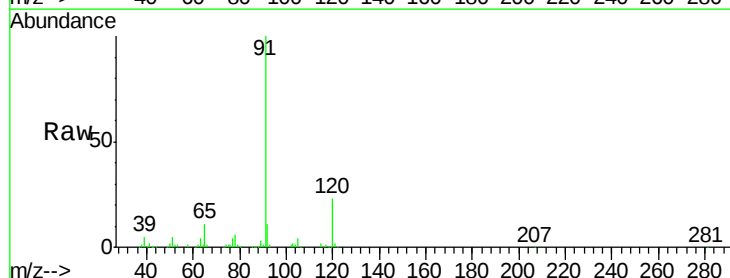
RT: 12.59 min Scan# 3363

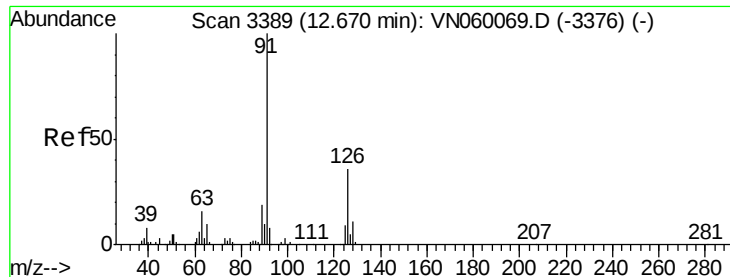
Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 265326 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.6  | 11.5  | 34.5   |





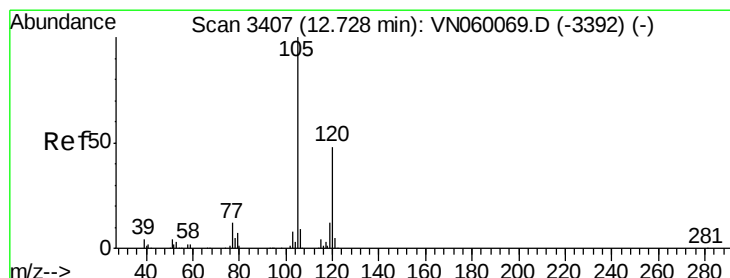
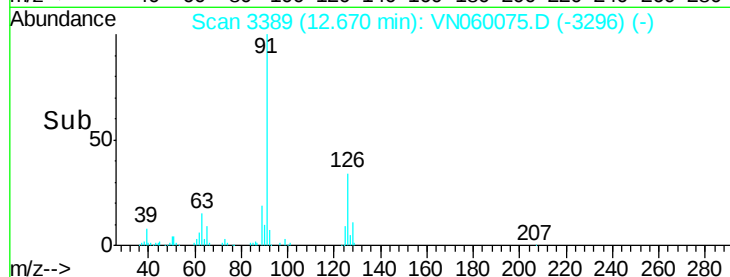
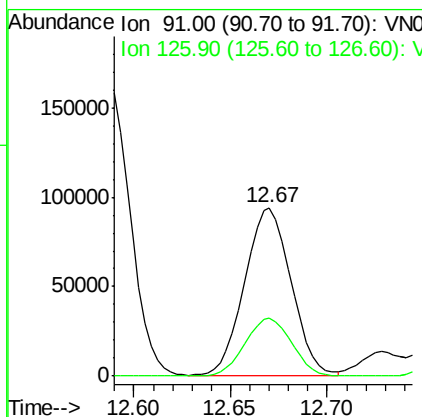
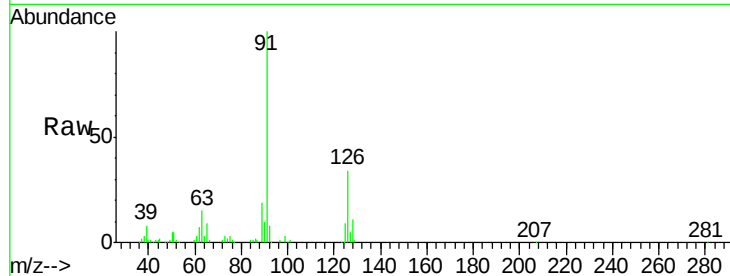
#79  
 2-Chlorotoluene  
 Concen: 20.113 ug/l  
 RT: 12.67 min Scan# 3389  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0212WBS01

Tot Ion: 91 Resp: 157024  
 Ion Ratio Lower Upper  
 91 100  
 126 34.8 17.4 52.2

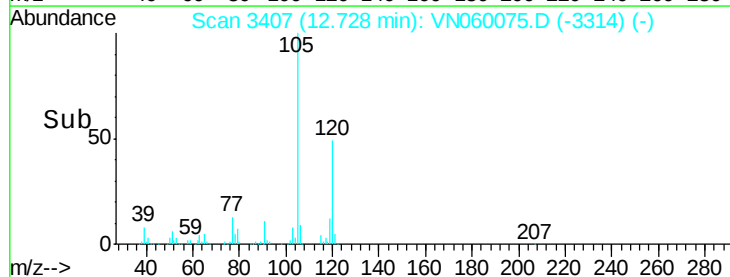
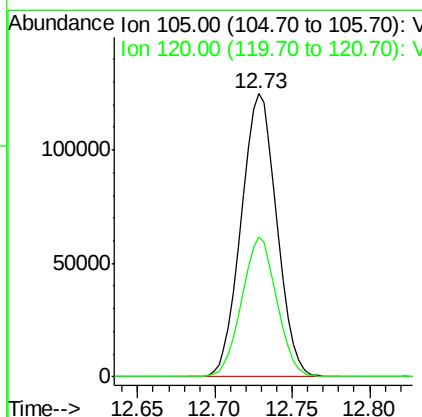
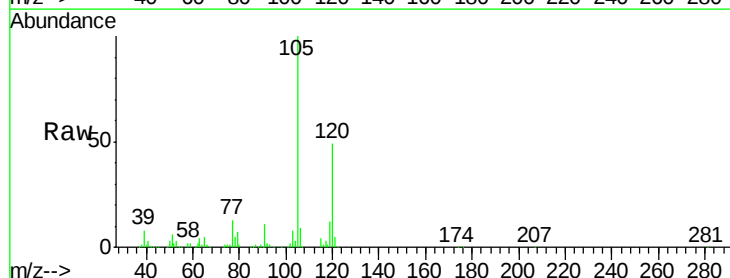
Manual Integrations  
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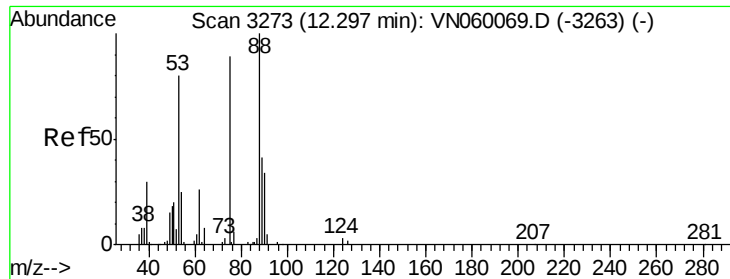
MMDadoda  
 2/13/2020 10:37:30 AM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 20.637 ug/l  
 RT: 12.73 min Scan# 3407  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Tgt Ion: 105 Resp: 200043  
 Ion Ratio Lower Upper  
 105 100  
 120 48.5 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.450 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

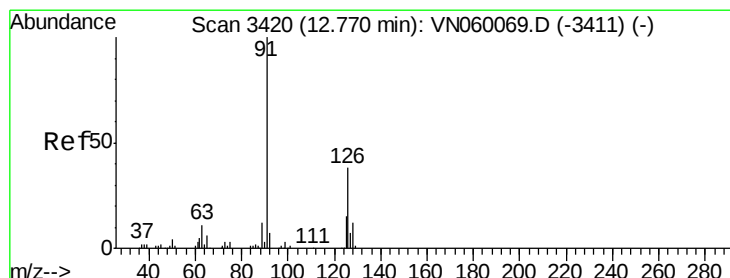
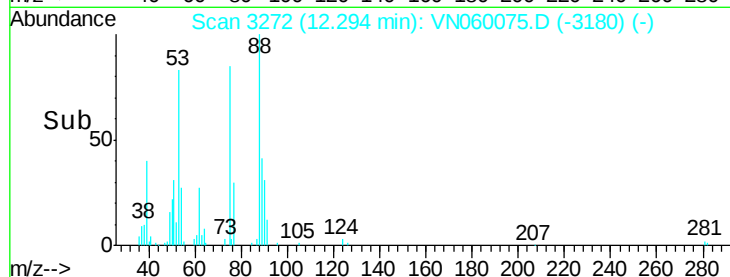
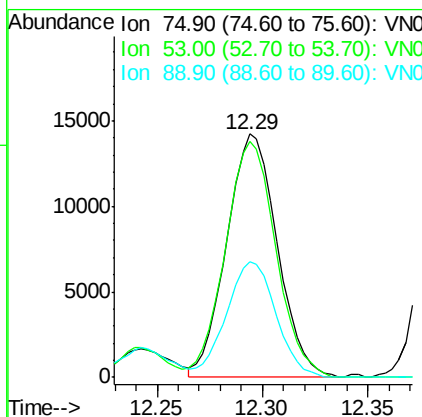
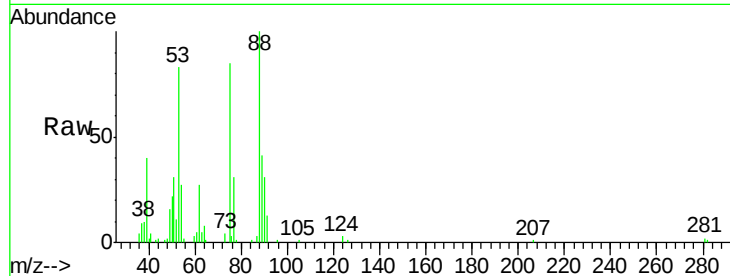
ClientSampleId :

VN0212WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 23727 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 96.9  | 73.9  | 110.9 |
| 89        | 46.6  | 37.0  | 55.4  |

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:30 AM



#82

4-Chlorotoluene

Concen: 19.920 ug/l

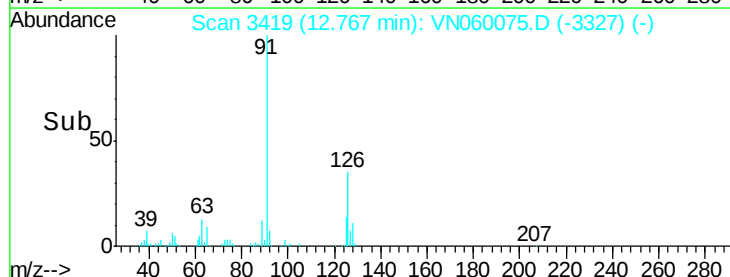
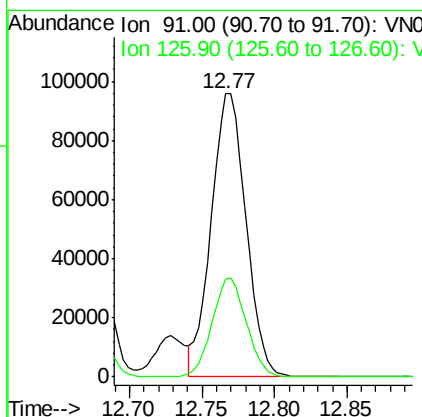
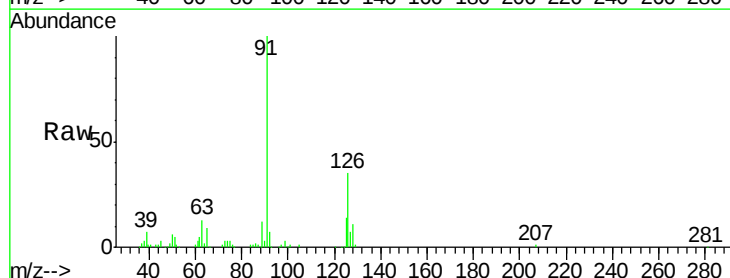
RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 159559 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 34.3  | 17.1  | 51.3   |





#83

tert-Butylbenzene

Concen: 19.964 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

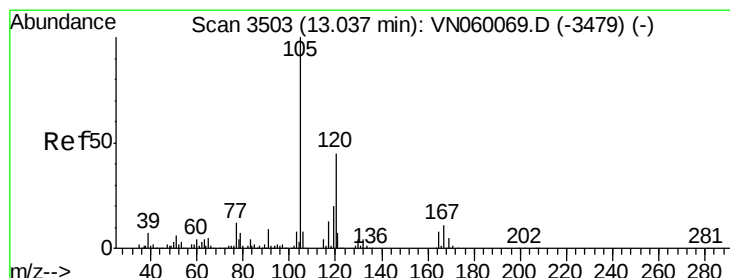
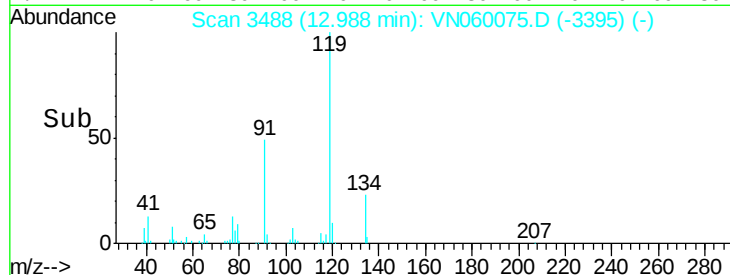
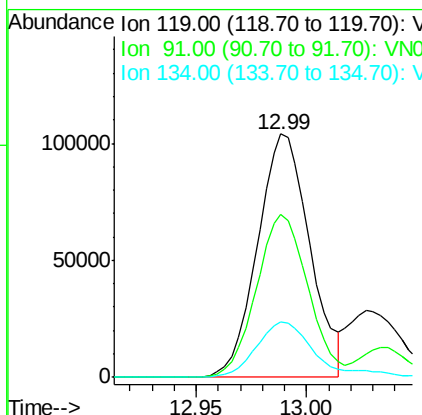
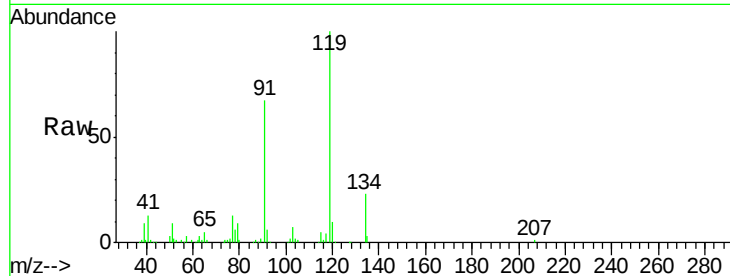
ClientSampled :

VN0212WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 171186 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 66.2  | 32.7  | 98.1   |
| 134       | 25.6  | 12.9  | 38.7   |

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:30 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.634 ug/l

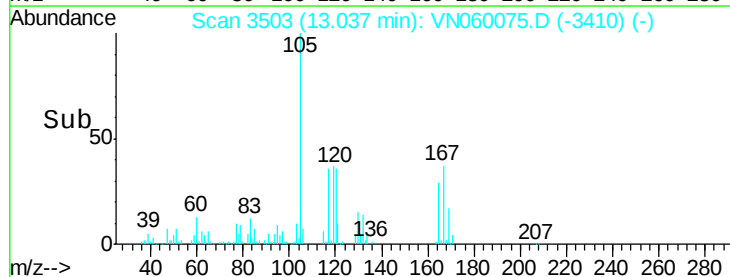
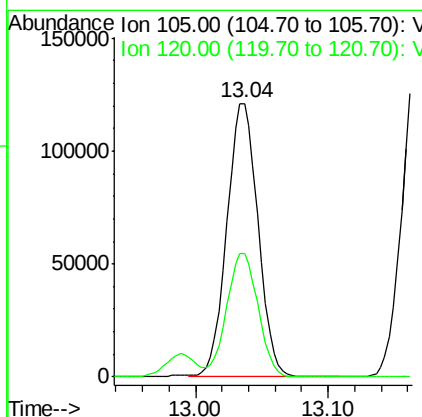
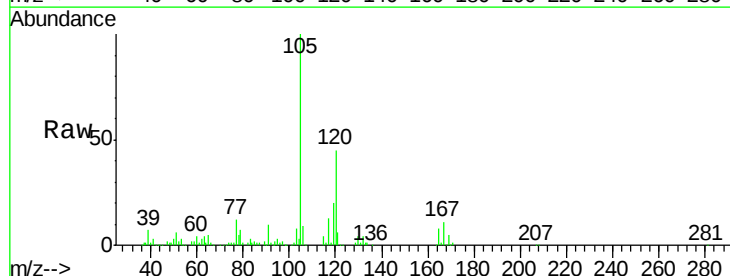
RT: 13.04 min Scan# 3503

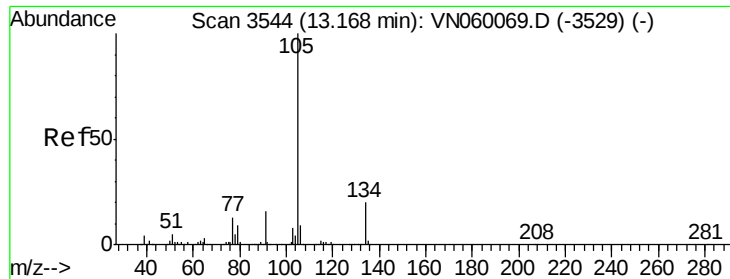
Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 197437 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.2  | 22.4  | 67.3   |





#85

sec-Butylbenzene

Concen: 19.960 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0212WBS01

Tot Ion:105 Resp: 226674

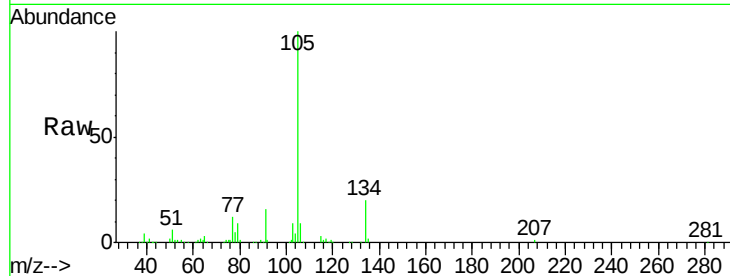
Ion Ratio Lower Upper

105 100

134 20.0 9.9 29.7

Manual Integrations  
APPROVED

MMDadoda  
2/13/2020 10:37:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

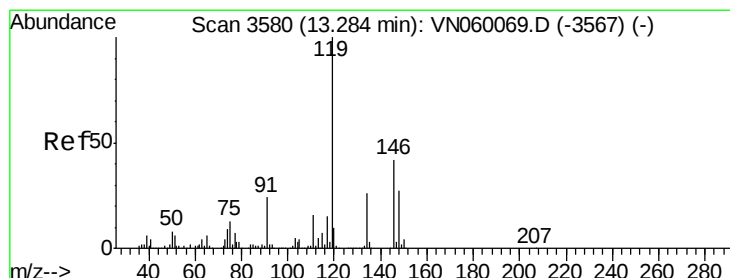
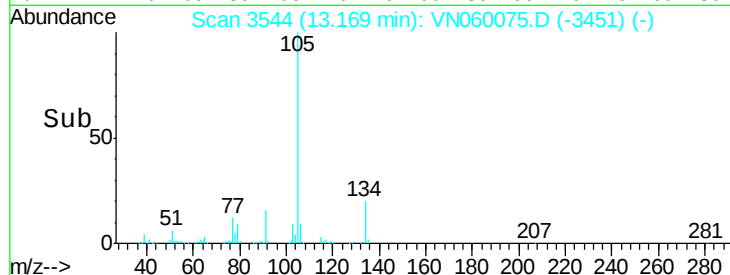
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.334 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

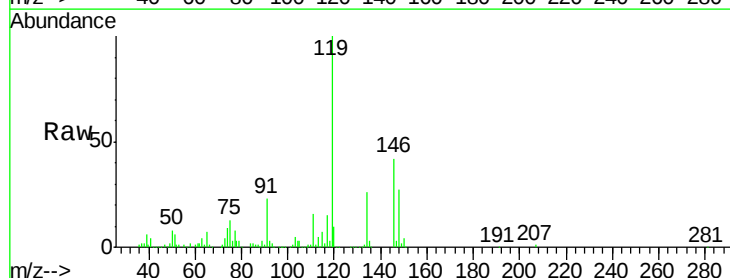
Tgt Ion:119 Resp: 209222

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

91 23.4 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

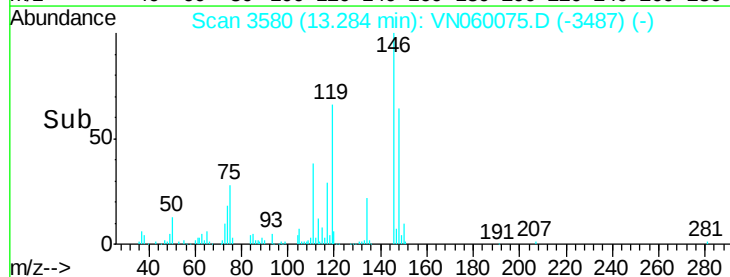
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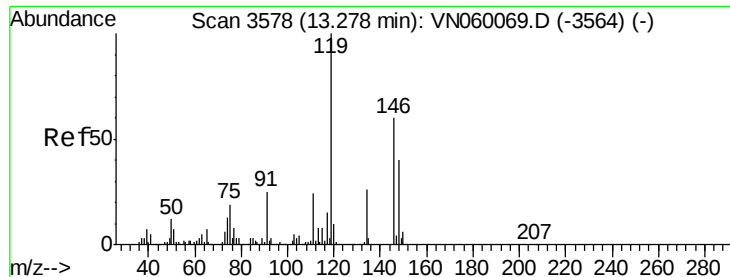
100000

50000

0

Time-->





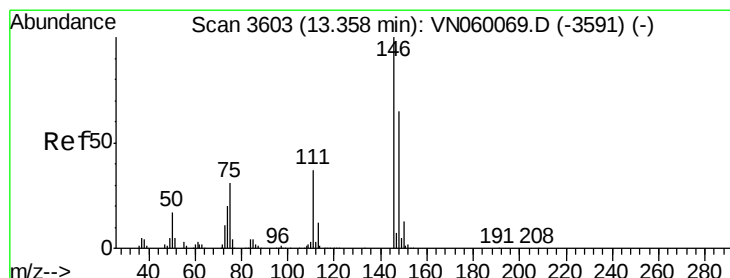
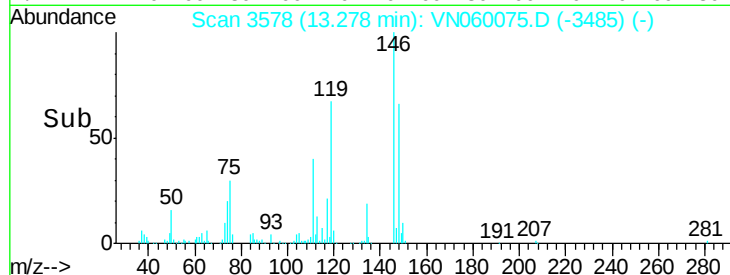
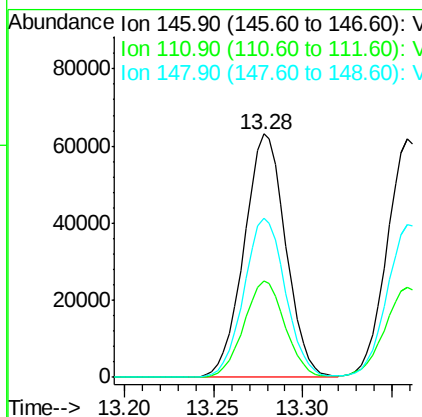
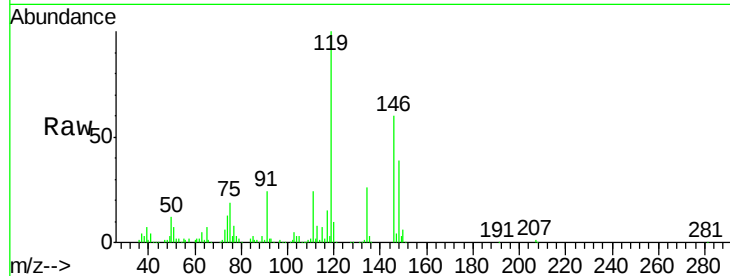
#87  
 1,3-Dichlorobenzene  
 Concen: 20.082 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.8  | 59.3  |
| 148     | 65.2  | 32.0  | 96.2  |

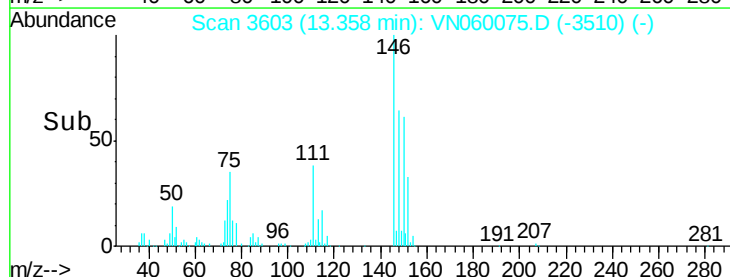
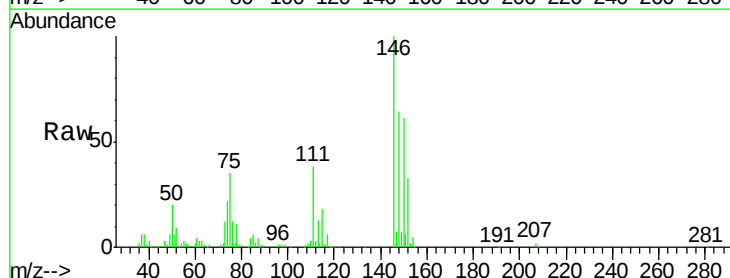
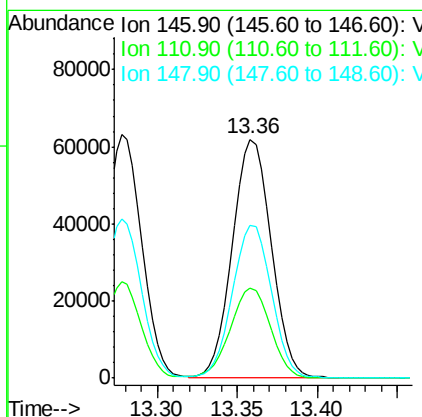
Manual Integrations  
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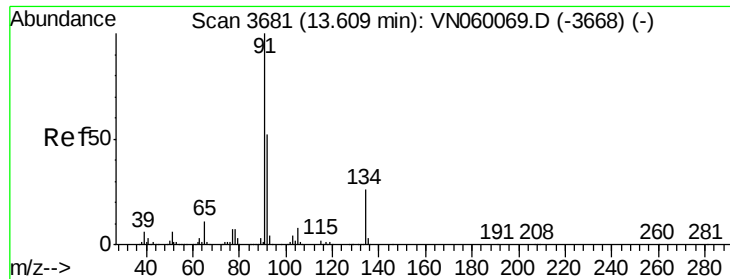
MMDadoda  
 2/13/2020 10:37:30 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.989 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. 0.00 min  
 Lab File: VN060075.D  
 Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.4  | 18.9  | 56.5  |
| 148     | 64.9  | 32.0  | 96.0  |





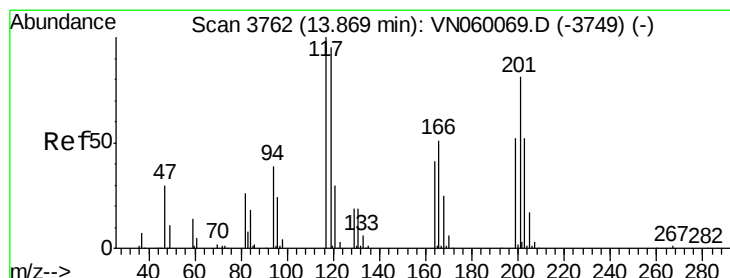
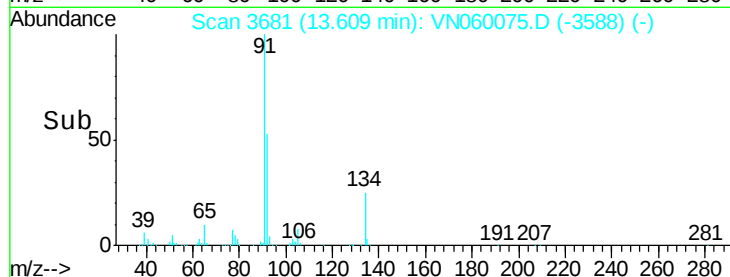
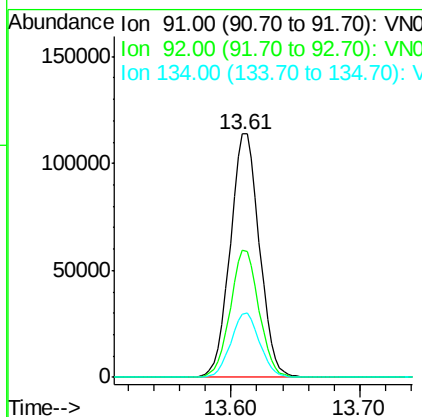
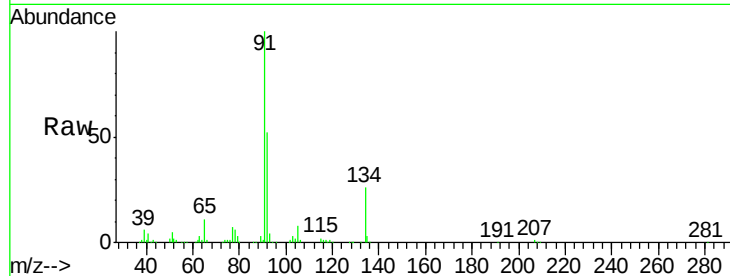
#89  
n-Butylbenzene  
Concen: 19.757 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.3  | 26.1  | 78.2  |
| 134     | 26.2  | 13.1  | 39.3  |

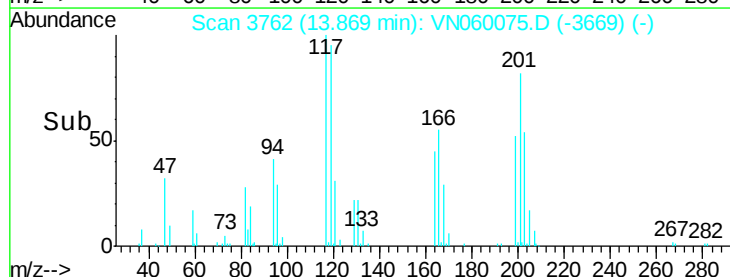
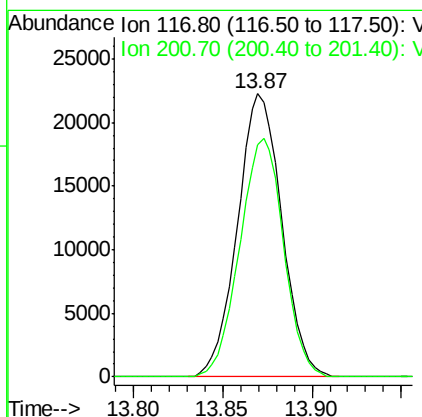
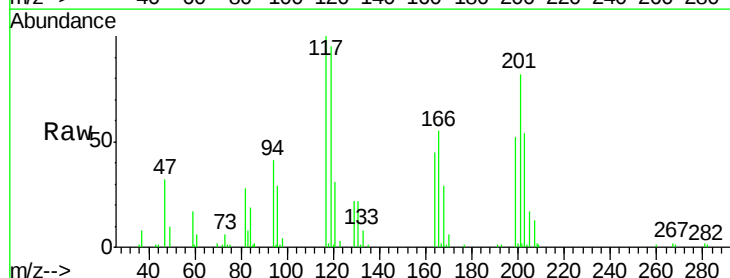
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2/13/2020 10:37:30 AM



#90  
Hexachloroethane  
Concen: 20.026 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 83.3  | 41.7  | 125.1 |





#91

1,2-Dichlorobenzene

Concen: 20.055 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

Instrument :

MSVOA\_N

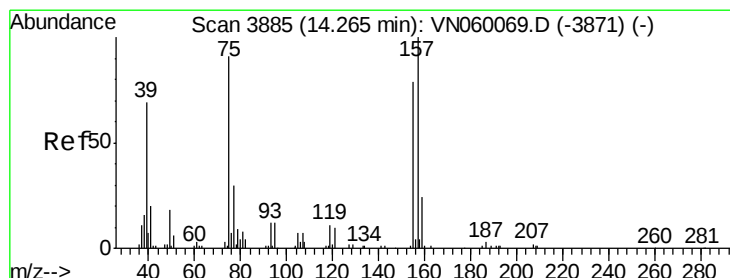
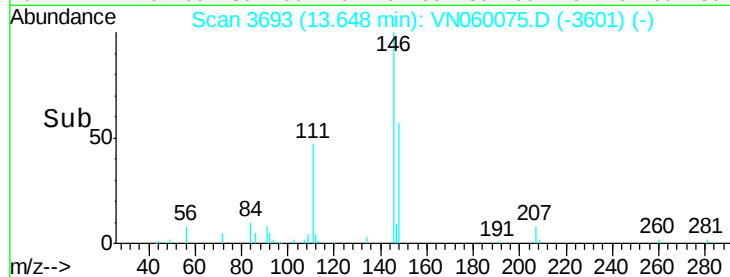
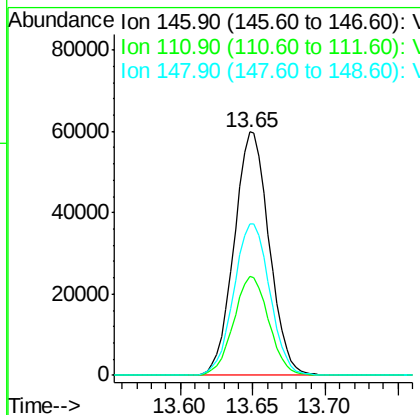
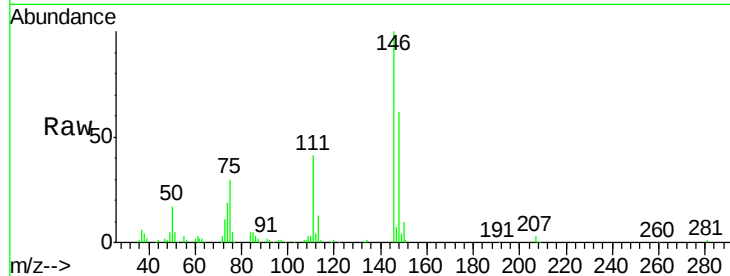
ClientSampleId :

VN0212WBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 146  | Resp: | 100517 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 40.7 | 20.1  | 60.2   |
| 148       | 64.0 | 31.9  | 95.5   |

Manual Integrations  
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MMDadoda  
2/13/2020 10:37:30 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.378 ug/l

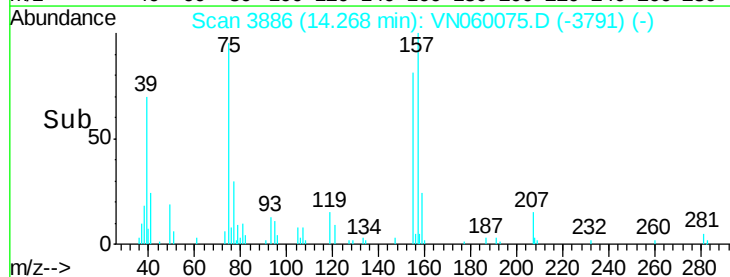
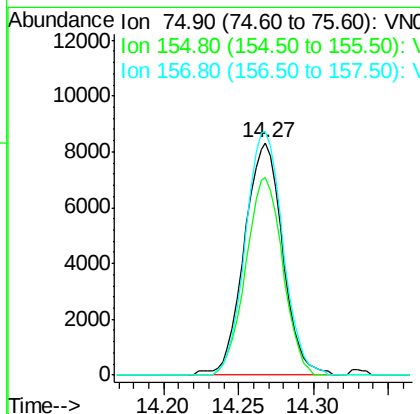
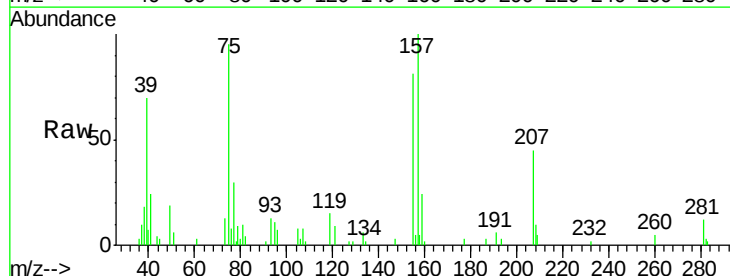
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060075.D

Acq: 12 Feb 2020 15:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 14866 |
| Ion Ratio |       | Lower | Upper |
| 75        | 100   |       |       |
| 155       | 81.5  | 43.0  | 129.0 |
| 157       | 102.1 | 54.9  | 164.5 |





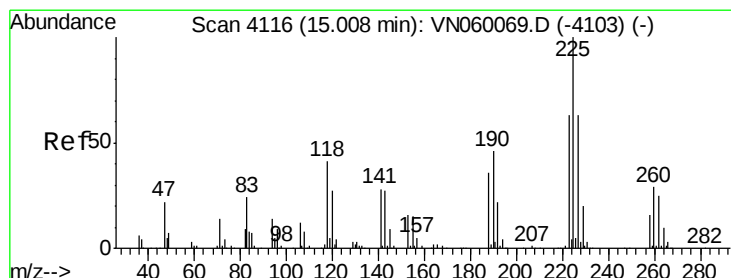
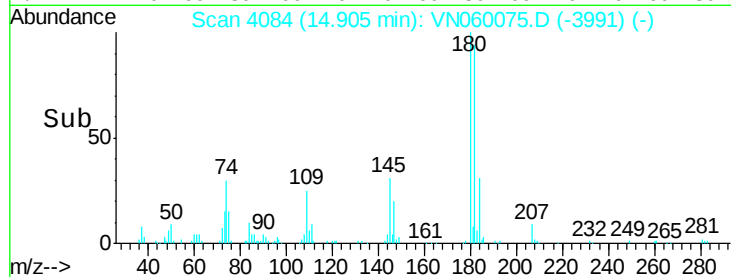
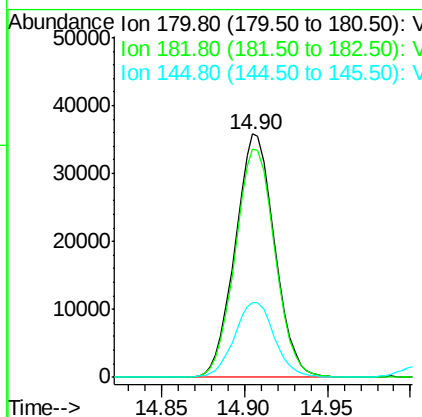
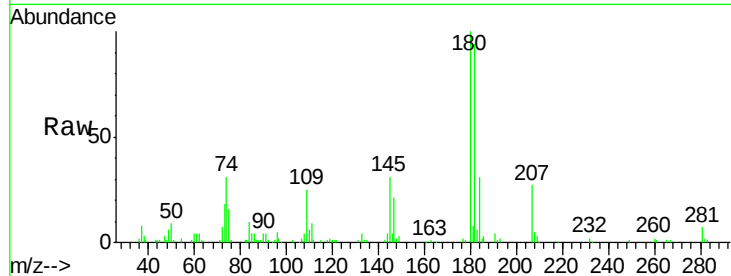
#93  
1,2,4-Trichlorobenzene  
Concen: 20.054 ug/l  
RT: 14.90 min Scan# 4084  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.9  | 47.9  | 143.8 |
| 145     | 31.4  | 15.2  | 45.5  |

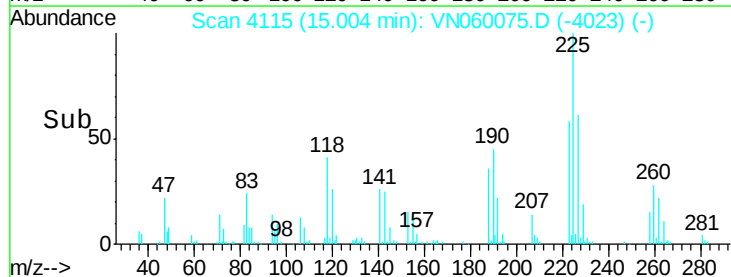
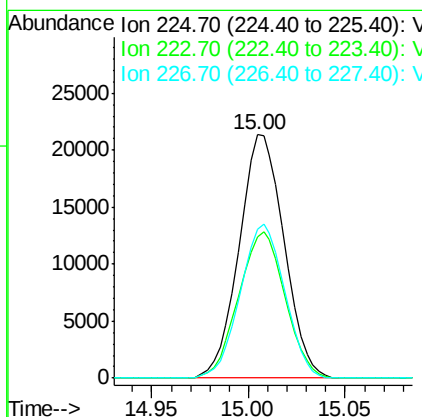
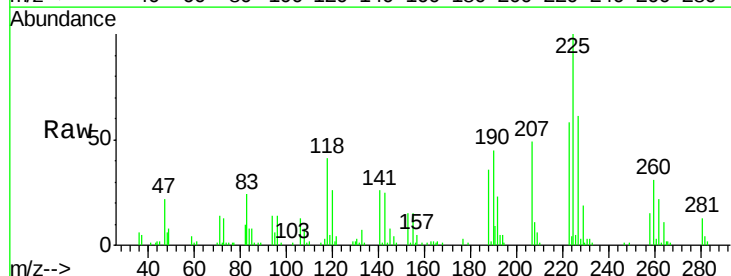
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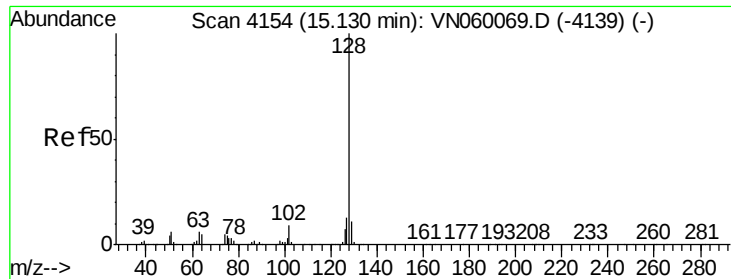
MMDadoda  
2/13/2020 10:37:30 AM



#94  
Hexachlorobutadiene  
Concen: 20.021 ug/l  
RT: 15.00 min Scan# 4115  
Delta R.T. -0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.8  | 31.5  | 94.5  |
| 227     | 62.6  | 31.8  | 95.4  |





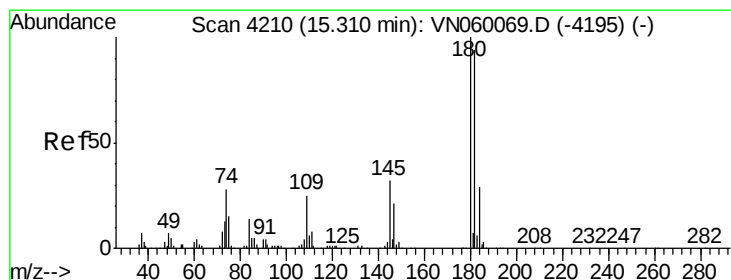
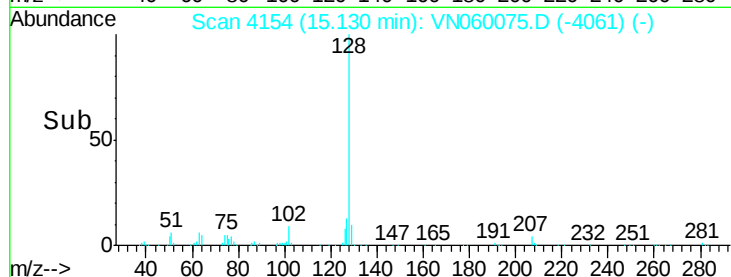
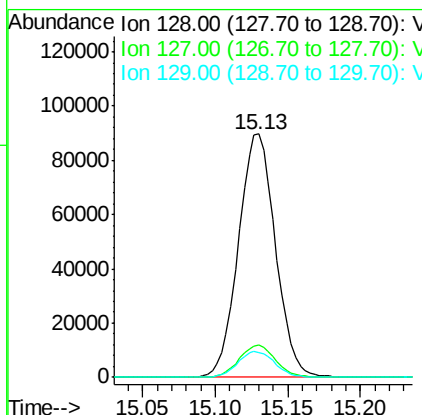
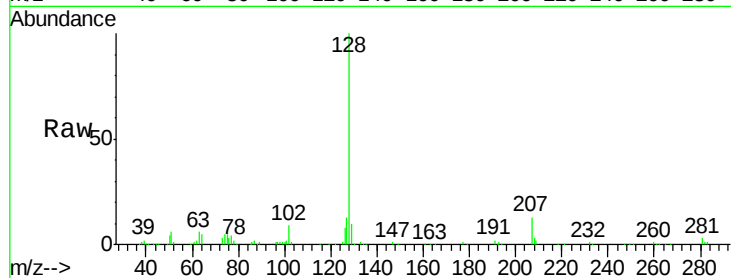
#95  
Naphthalene  
Concen: 20.012 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0212WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 159192 |       |       |
| 127     | 12.9  | 10.3   | 15.5  |       |
| 129     | 10.6  | 8.6    | 13.0  |       |

Manual Integrations  
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2/13/2020 10:37:30 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 19.718 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. 0.00 min  
Lab File: VN060075.D  
Acq: 12 Feb 2020 15:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 57826 |       |       |
| 182     | 97.0  | 47.5  | 142.5 |       |
| 145     | 31.5  | 16.1  | 48.3  |       |

