

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\  
 Data File : VN061972.D  
 Acq On : 20 Jun 2020 3:15  
 Operator : JC/MD  
 Sample : VN0619WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0619WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 6/22/2020 10:30:14 AM

Quant Time: Jun 22 02:53:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 17 01:19:44 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 125936   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 241120   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 221338   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 95183    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 110215   | 65.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 130.52% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 88596    | 57.43 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 114.86% |          |
| 50) Toluene-d8              | 10.06 | 98   | 312264   | 51.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.98% |          |
| 62) 4-Bromofluorobenzene    | 12.37 | 95   | 102713   | 49.38 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.76%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 29440    | 18.153  | ug/l  | 100    |
| 3) Chloromethane              | 2.03 | 50   | 39436    | 22.560  | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.16 | 62   | 43536    | 20.892  | ug/l  | 100    |
| 5) Bromomethane               | 2.53 | 94   | 33135    | 20.706  | ug/l  | 100    |
| 6) Chloroethane               | 2.67 | 64   | 31787    | 22.538  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 2.98 | 101  | 48032    | 19.296  | ug/l  | 97     |
| 8) Diethyl Ether              | 3.37 | 74   | 22000    | 26.290  | ug/l  | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101  | 24327    | 19.050  | ug/l  | 97     |
| 10) Methyl Iodide             | 3.91 | 142  | 36178    | 26.295  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59   | 31930    | 136.616 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 3.70 | 96   | 27288    | 21.326  | ug/l  | 92     |
| 13) Acrolein                  | 3.57 | 56   | 13444    | 96.242  | ug/l  | 98     |
| 14) Allyl chloride            | 4.28 | 41   | 37747    | 22.227  | ug/l  | 96     |
| 15) Acrylonitrile             | 4.93 | 53   | 82086    | 141.742 | ug/l  | 99     |
| 16) Acetone                   | 3.78 | 43   | 67355    | 135.008 | ug/l  | 97     |
| 17) Carbon Disulfide          | 4.01 | 76   | 73821    | 19.717  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.28 | 43   | 40623    | 28.282  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73   | 112532   | 26.413  | ug/l  | 100    |
| 20) Methylene Chloride        | 4.50 | 84   | 39139    | 24.080  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96   | 32825    | 22.334  | ug/l  | 94     |
| 22) Diisopropyl ether         | 5.90 | 45   | 100338   | 25.834  | ug/l  | 94     |
| 23) Vinyl Acetate             | 5.84 | 43   | 396722   | 129.868 | ug/l  | 98     |
| 24) 1,1-Dichloroethane        | 5.80 | 63   | 60461    | 23.780  | ug/l  | 98     |
| 25) 2-Butanone                | 6.79 | 43   | 100268   | 137.752 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 6.78 | 77   | 36136    | 16.893  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96   | 41125    | 24.250  | ug/l  | 96     |
| 28) Bromochloromethane        | 7.15 | 49   | 29736    | 26.267  | ug/l  | 95     |
| 29) Tetrahydrofuran           | 7.17 | 42   | 66956    | 139.774 | ug/l  | 98     |
| 30) Chloroform                | 7.33 | 83   | 65334    | 24.044  | ug/l  | 100    |
| 31) Cyclohexane               | 7.61 | 56   | 38606    | 17.345  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97   | 48381    | 20.907  | ug/l  | 100    |
| 36) 1,1-Dichloropropene       | 7.75 | 75   | 39296    | 17.868  | ug/l  | 99     |
| 37) Ethyl Acetate             | 6.88 | 43   | 44185    | 25.728  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 7.73 | 117  | 38310    | 17.590  | ug/l  | 99     |

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 Sample : VN0619WBSD02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0619WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 6/22/2020 10:30:14 AM

Quant Time: Jun 22 02:53:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 17 01:19:44 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 37581    | 15.869  | ug/l   | 96       |
| 40) Benzene                    | 8.00  | 78   | 139172   | 20.890  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.12  | 41   | 16779    | 22.847  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.09  | 62   | 52192    | 22.976  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.13  | 43   | 69603    | 24.049  | ug/l # | 92       |
| 44) Trichloroethene            | 8.80  | 130  | 33923    | 19.348  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.09  | 63   | 37019    | 22.611  | ug/l   | 99       |
| 46) Dibromomethane             | 9.18  | 93   | 26487    | 22.974  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.37  | 83   | 51559    | 21.840  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.17  | 41   | 31553    | 23.973  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 14498    | 479.771 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 211450   | 123.632 | ug/l   | 99       |
| 52) Toluene                    | 10.12 | 92   | 85718    | 20.487  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 51860    | 20.693  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 56808    | 20.869  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 38527    | 23.404  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 51883    | 22.338  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 63663    | 22.827  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 97355    | 112.056 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.72 | 43   | 151227   | 118.147 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.87 | 129  | 40456    | 22.024  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 38730    | 22.531  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.60 | 164  | 26564    | 18.830  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.40 | 112  | 91818    | 19.659  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 34614    | 21.250  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.48 | 91   | 145738   | 18.611  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.59 | 106  | 112110   | 37.129  | ug/l   | 98       |
| 69) o-Xylene                   | 11.92 | 106  | 56536    | 19.623  | ug/l   | 98       |
| 70) Styrene                    | 11.94 | 104  | 94246    | 19.537  | ug/l   | 98       |
| 71) Bromoform                  | 12.10 | 173  | 27134    | 22.846  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.22 | 105  | 137416   | 20.316  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.04 | 43   | 54870    | 24.092  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 57538    | 26.165  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 49088m   | 26.269  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 37290    | 21.853  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.56 | 91   | 150810   | 19.541  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 95795    | 20.667  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 114378   | 20.440  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 15267    | 22.283  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 98884    | 20.645  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.97 | 119  | 93910    | 19.796  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 115015   | 20.822  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 120619   | 19.425  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 106427   | 19.235  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 60822    | 19.543  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 62412    | 19.591  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.59 | 91   | 82123    | 17.772  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 19599    | 19.351  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 63469    | 21.183  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 8875     | 24.860  | ug/l   | 99       |

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Sample : VN0619WBSD02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

Manual Integrations  
APPROVED

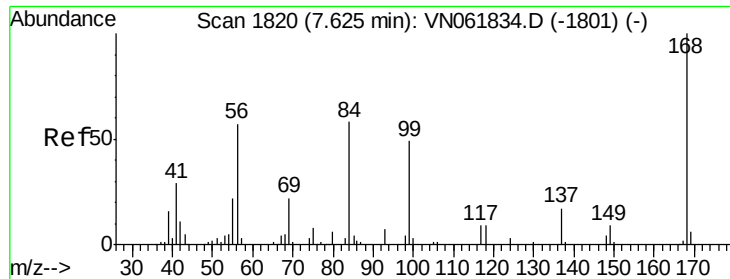
MMDadoda  
6/22/2020 10:30:14 AM

Quant Time: Jun 22 02:53:33 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 17 01:19:44 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 27589    | 19.514 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 10435    | 18.739 | ug/l  | 95       |
| 95) Naphthalene            | 15.10 | 128  | 91113    | 21.386 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 28495    | 20.350 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

ClientSampleId :

VN0619WBSD02

Tot Ion:168 Resp: 125936

Ion Ratio Lower Upper

168 100

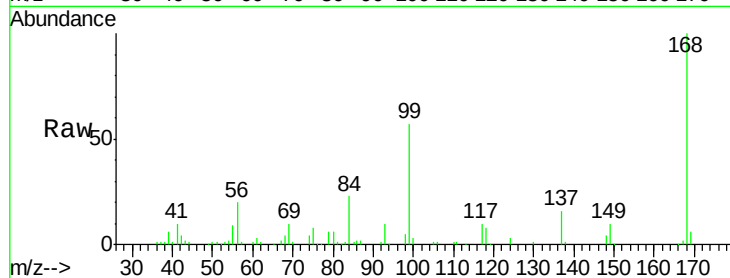
99 56.7 44.6 67.0

Manual Integrations

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6/22/2020 10:30:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

30000

20000

10000

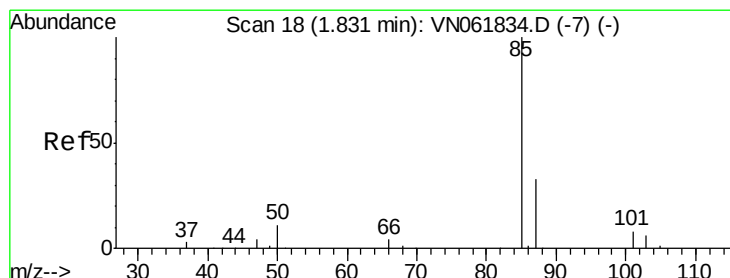
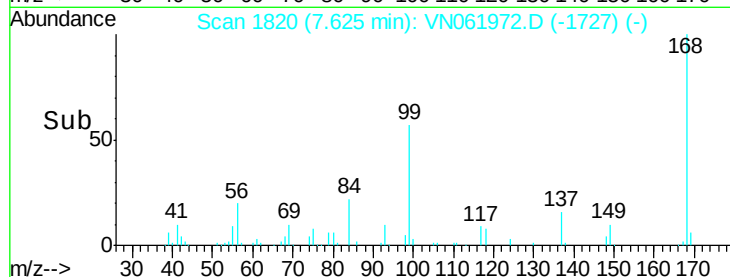
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.153 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061972.D

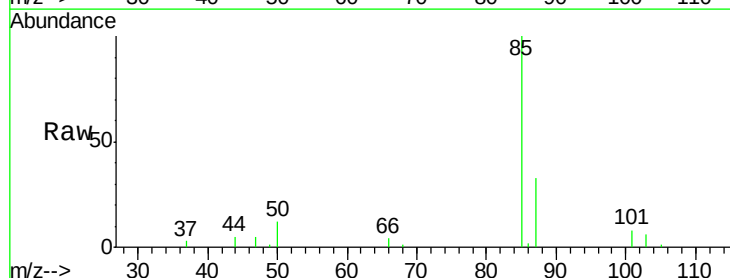
Acq: 20 Jun 2020 3:15

Tgt Ion: 85 Resp: 29440

Ion Ratio Lower Upper

85 100

87 33.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

25000

20000

15000

10000

5000

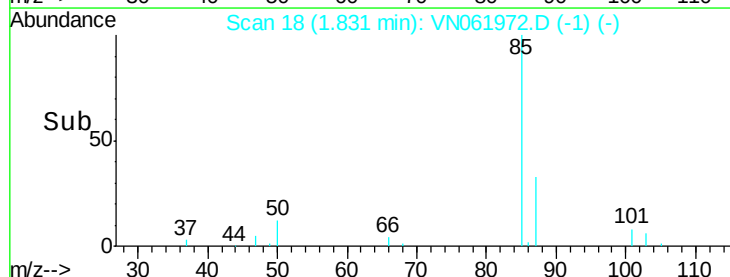
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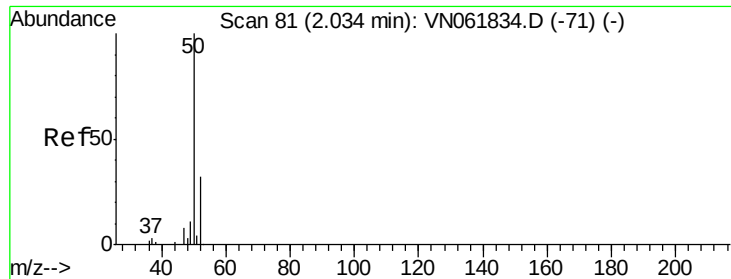
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 22.560 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 50 Resp: 39436

Ion Ratio Lower Upper

50 100

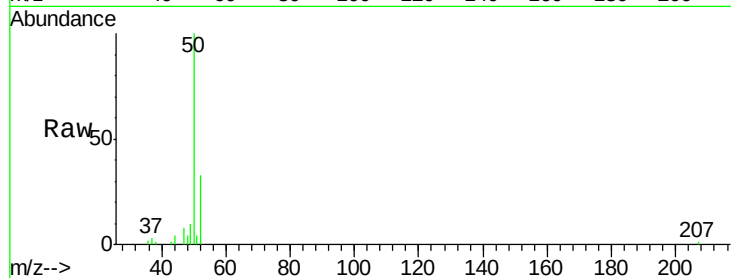
52 33.3 26.0 39.0

Manual Integrations

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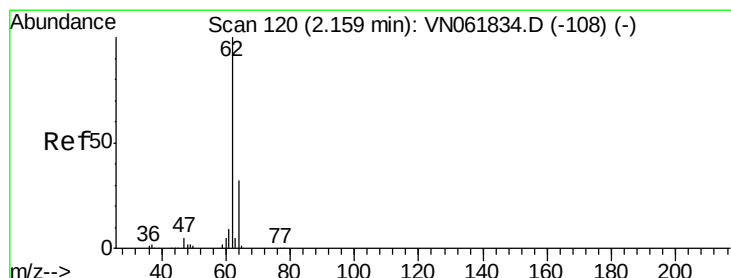
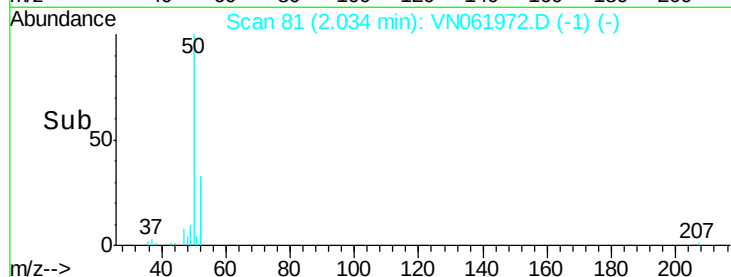
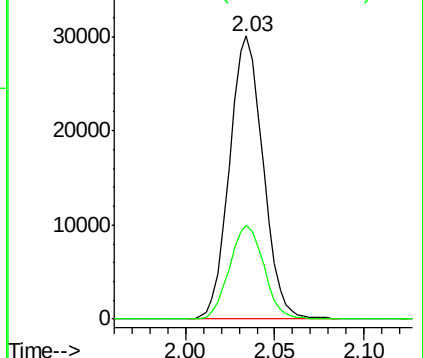
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6/22/2020 10:30:14 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.892 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061972.D

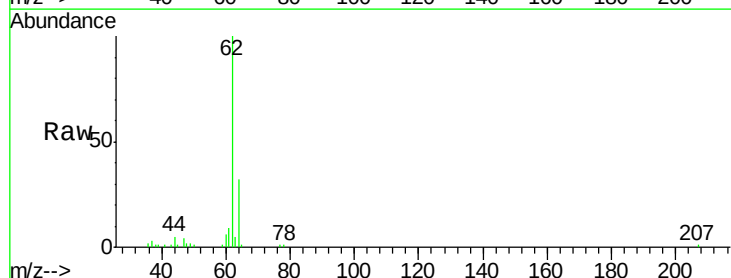
Acq: 20 Jun 2020 3:15

Tgt Ion: 62 Resp: 43536

Ion Ratio Lower Upper

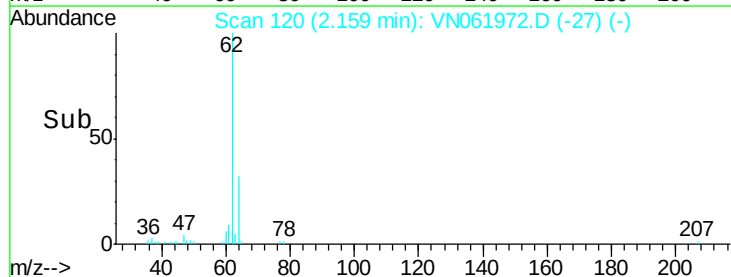
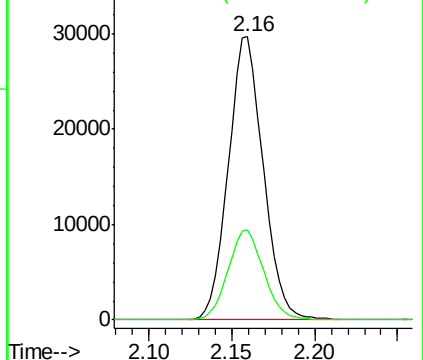
62 100

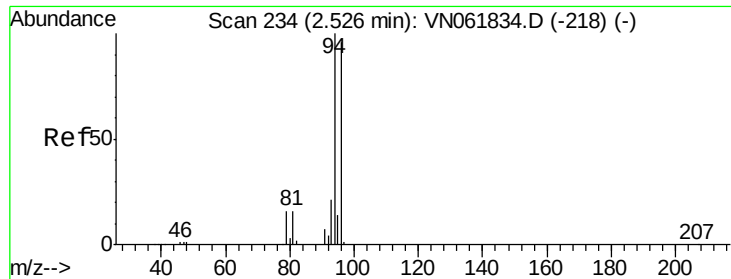
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.706 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

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ClientSampleId :

VN0619WBSD02

Tot Ion: 94 Resp: 33135

Ion Ratio Lower Upper

94 100

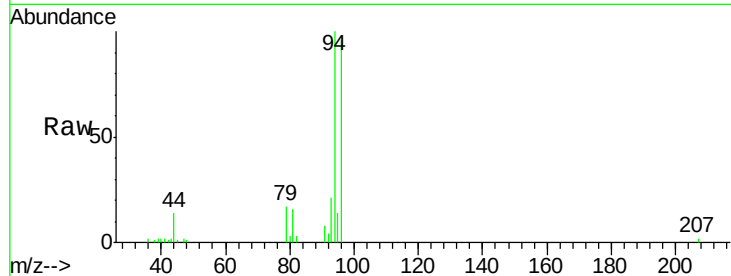
96 96.2 76.7 115.1

Manual Integrations

APPROVED

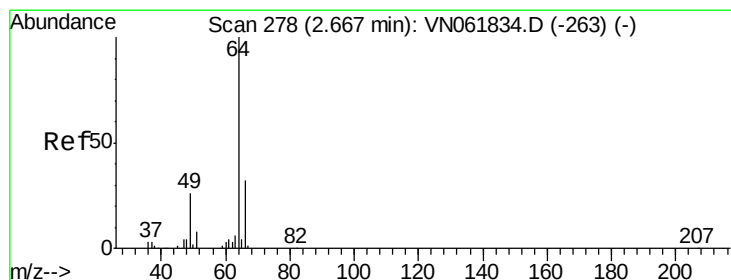
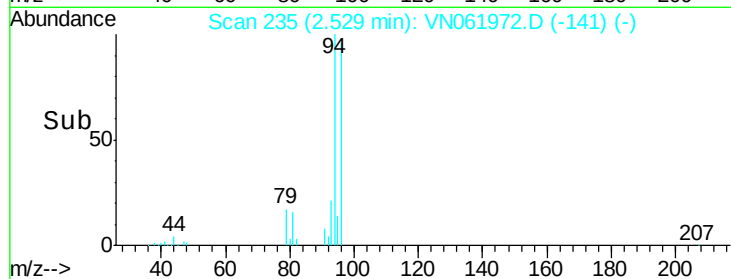
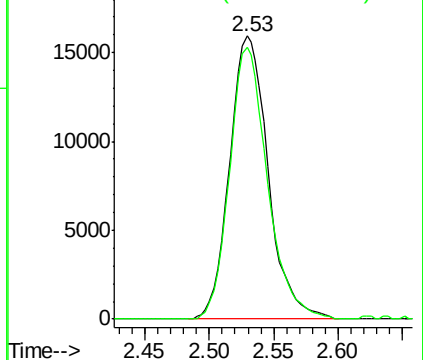
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6/22/2020 10:30:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.538 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061972.D

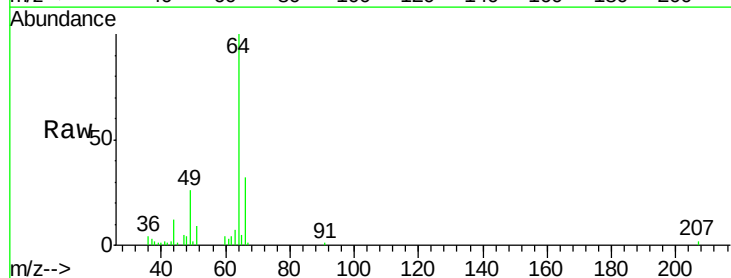
Acq: 20 Jun 2020 3:15

Tgt Ion: 64 Resp: 31787

Ion Ratio Lower Upper

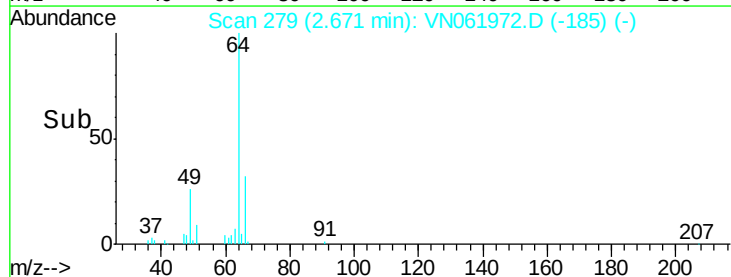
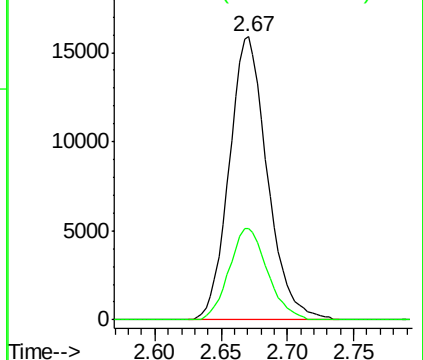
64 100

66 32.5 25.4 38.2

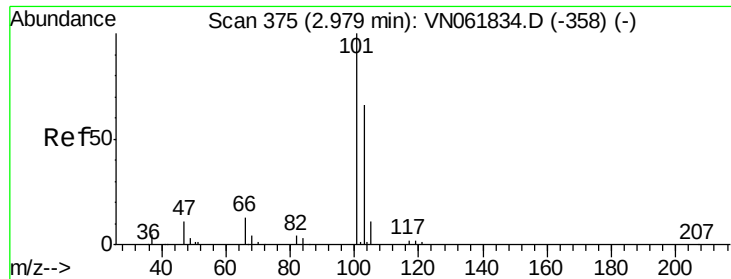


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0







#7

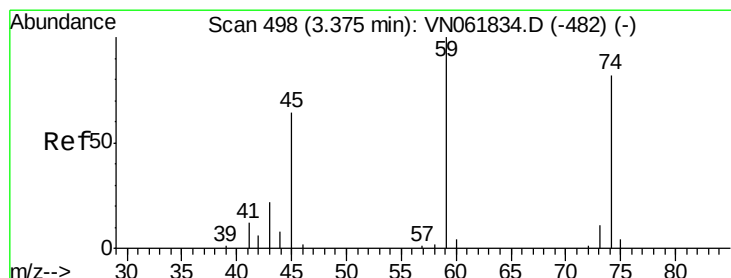
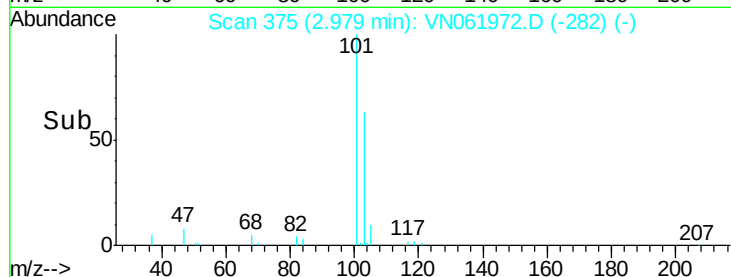
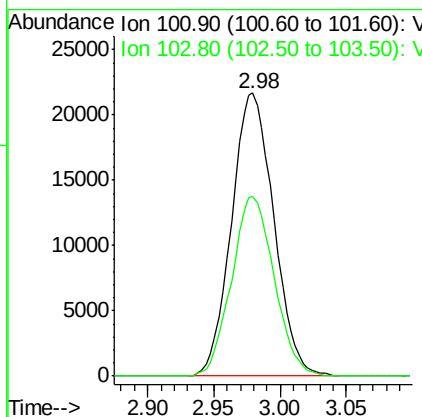
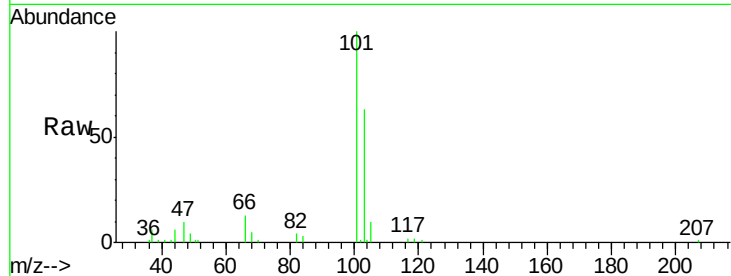
Trichlorofluoromethane  
Concen: 19.296 ug/l  
RT: 2.98 min Scan# 375  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 63.3  | 52.8  | 79.2  |

Manual Integrations  
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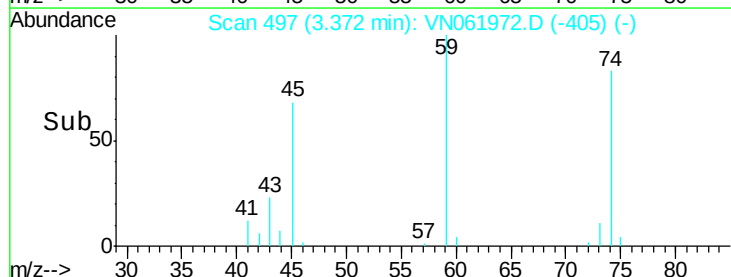
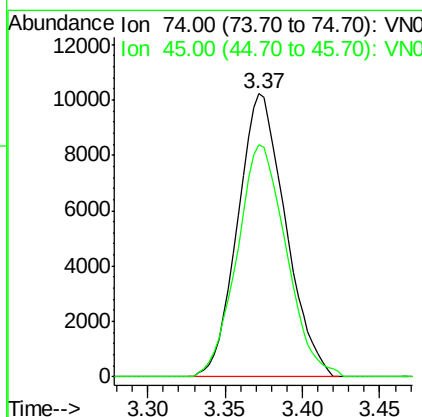
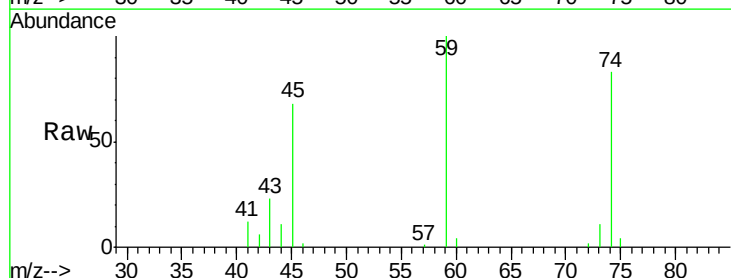
MMDadoda  
6/22/2020 10:30:14 AM



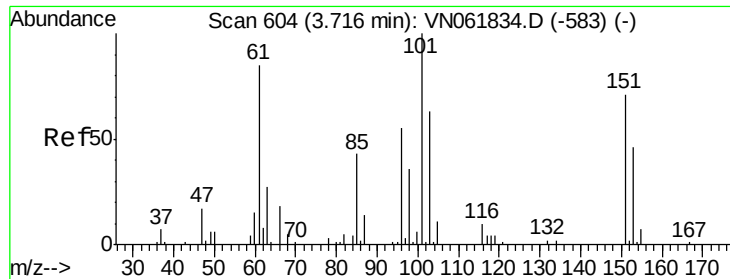
#8

Diethyl Ether  
Concen: 26.290 ug/l  
RT: 3.37 min Scan# 497  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 84.0  | 39.1  | 117.3 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.050 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

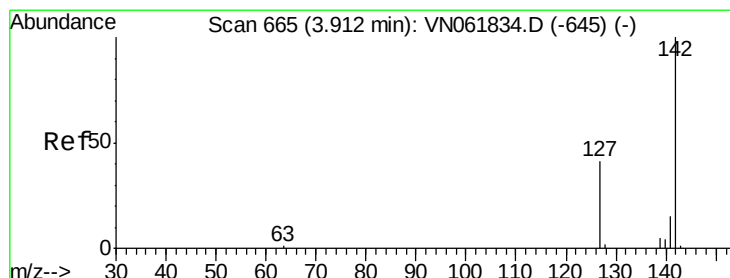
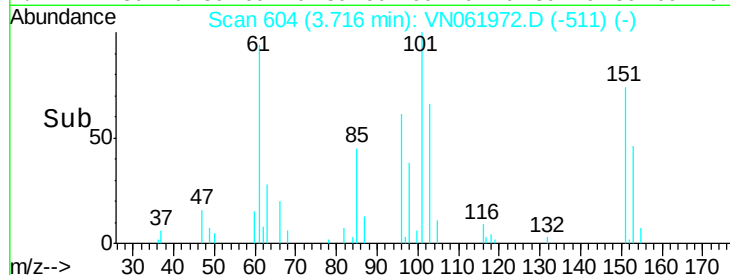
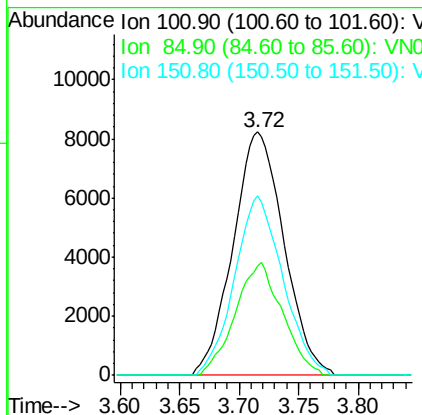
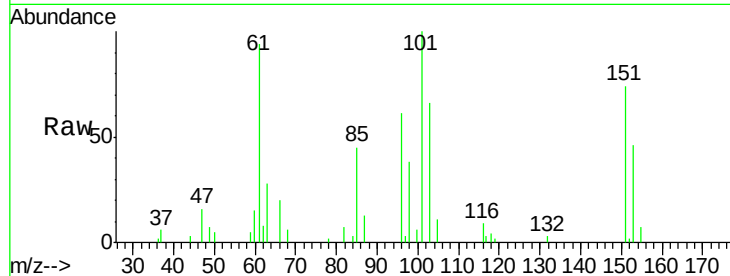
ClientSampleId :

VN0619WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 24327 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.0  | 35.0  | 52.6  |
| 151       | 70.2  | 59.2  | 88.8  |

Manual Integrations  
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MMDadoda  
6/22/2020 10:30:14 AM



#10

Methyl Iodide

Concen: 26.295 ug/l

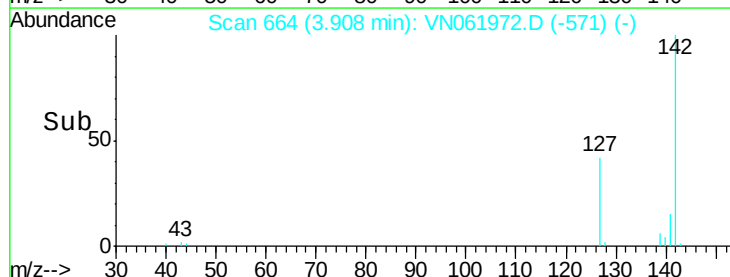
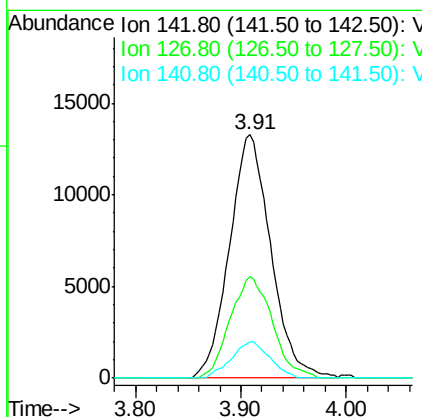
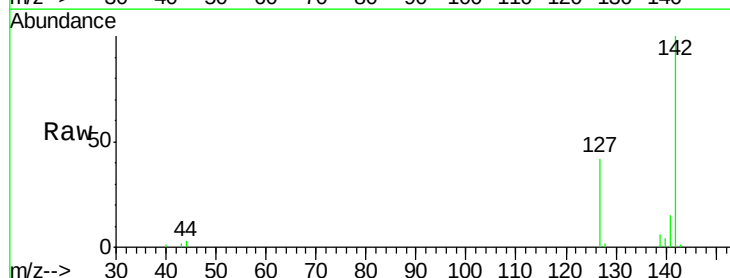
RT: 3.91 min Scan# 664

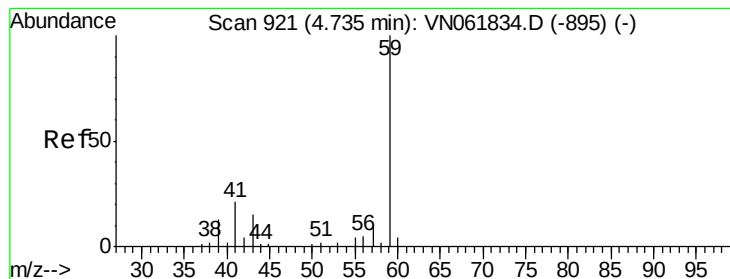
Delta R.T. -0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 36178 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.3  | 33.4  | 50.0  |
| 141       | 13.9  | 11.3  | 16.9  |





#11

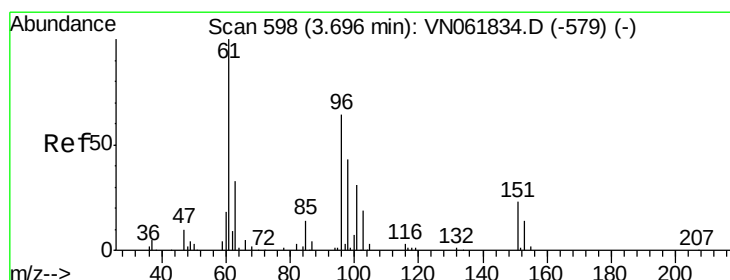
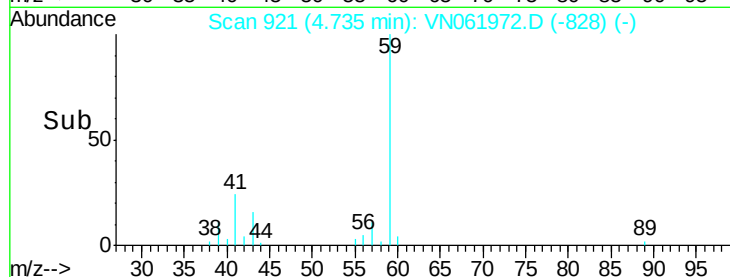
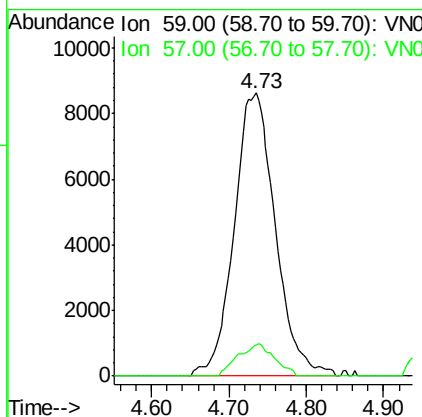
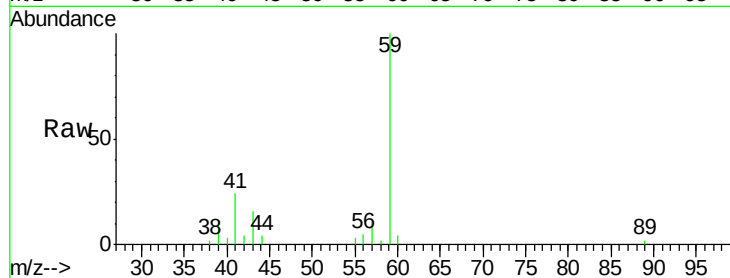
Tert butyl alcohol  
 Concen: 136.616 ug/l  
 RT: 4.73 min Scan# 921  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 7.7   | 11.5  |

Manual Integrations  
 APPROVED

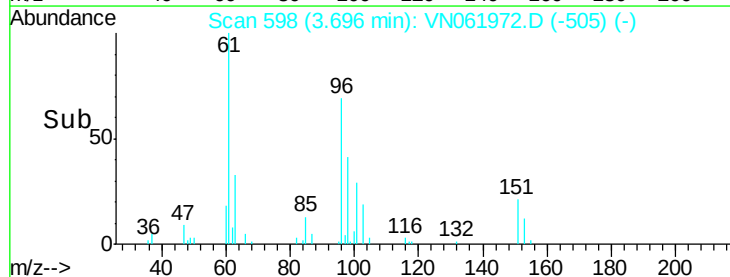
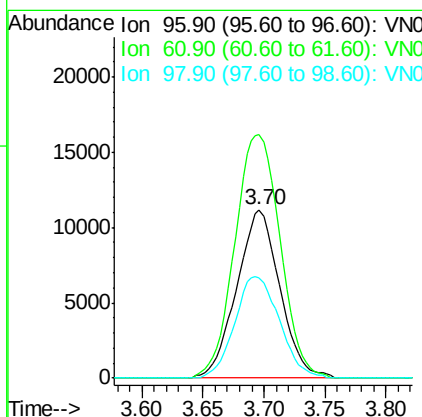
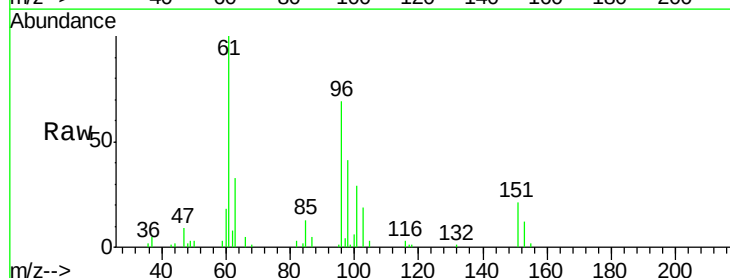
MMDadoda  
 6/22/2020 10:30:14 AM

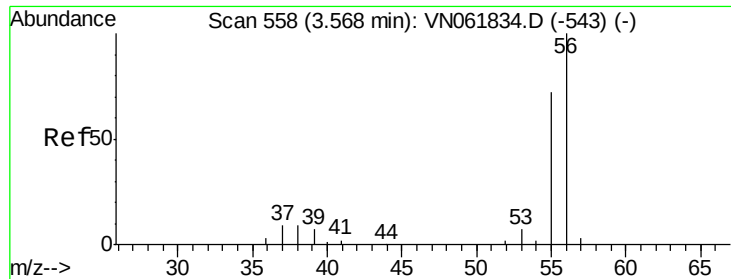


#12

1,1-Dichloroethene  
 Concen: 21.326 ug/l  
 RT: 3.70 min Scan# 598  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.5 | 124.3 | 186.5 |
| 98      | 59.6  | 53.1  | 79.7  |





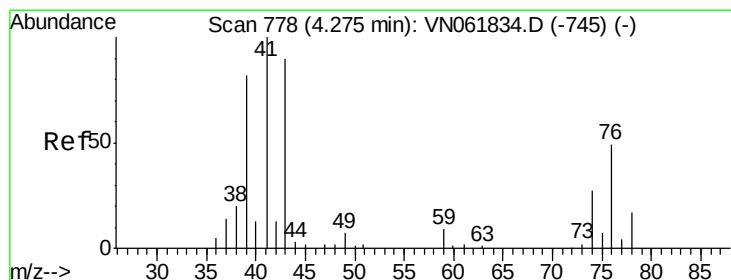
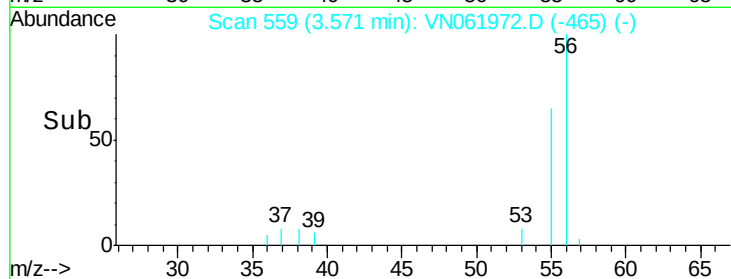
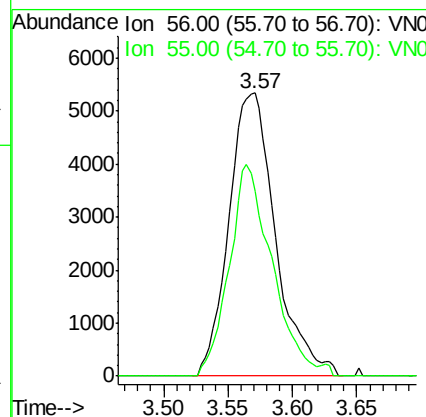
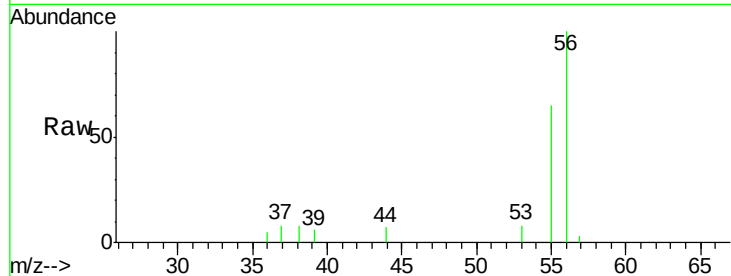
#13  
Acrolein  
Concen: 96.242 ug/l  
RT: 3.57 min Scan# 559  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 56      | 100  |       |       |       |
| 55      | 68.3 | 56.2  | 84.4  |       |

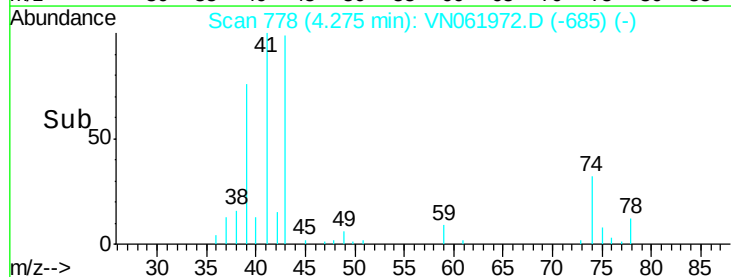
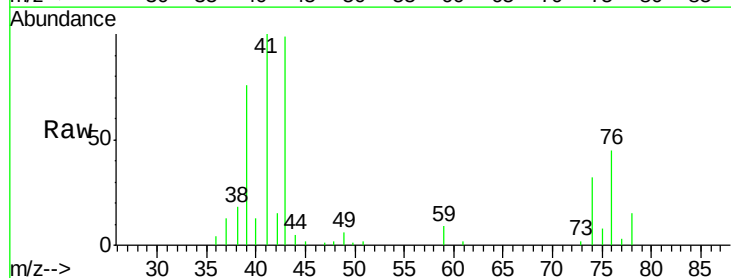
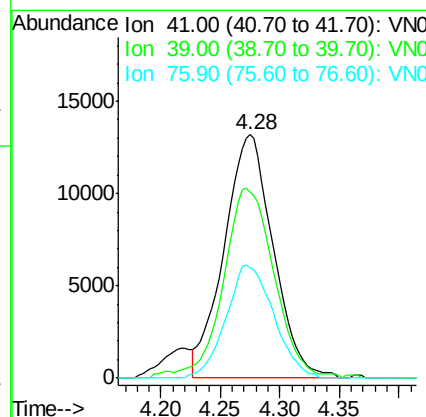
Manual Integrations  
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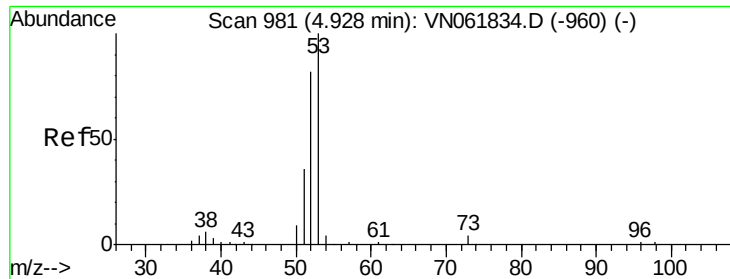
MMDadoda  
6/22/2020 10:30:14 AM



#14  
Allyl chloride  
Concen: 22.227 ug/l  
RT: 4.28 min Scan# 778  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 80.4 | 60.2  | 90.2  |       |
| 76      | 44.9 | 36.3  | 54.5  |       |





#15

Acrylonitrile

Concen: 141.742 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

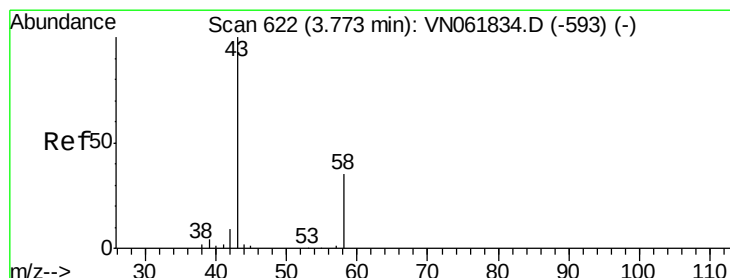
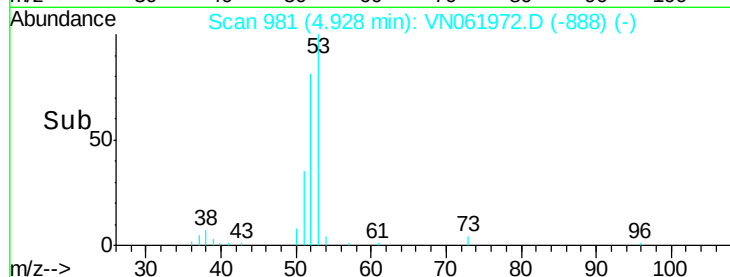
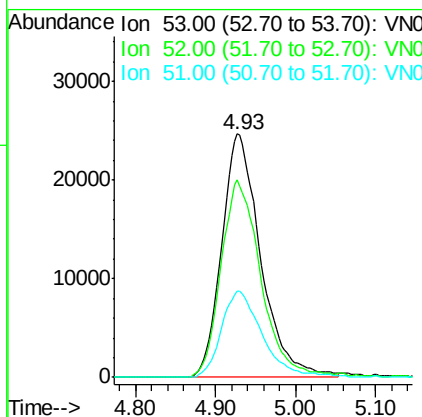
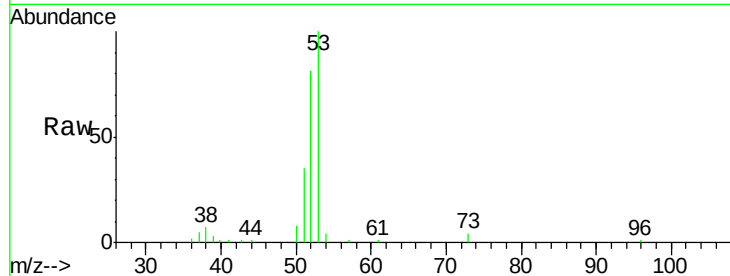
ClientSampleId :

VN0619WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 82086 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 82.3  | 65.2  | 97.8  |
| 51        | 36.3  | 29.3  | 43.9  |

Manual Integrations  
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MMDadoda  
6/22/2020 10:30:14 AM



#16

Acetone

Concen: 135.008 ug/l

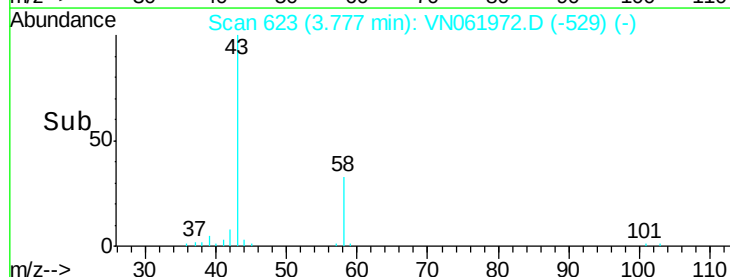
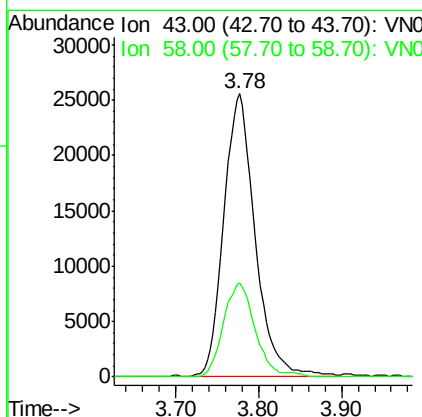
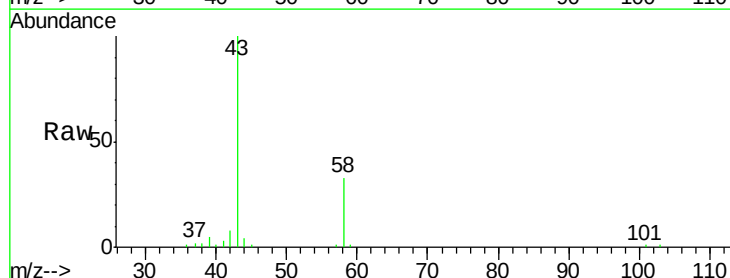
RT: 3.78 min Scan# 623

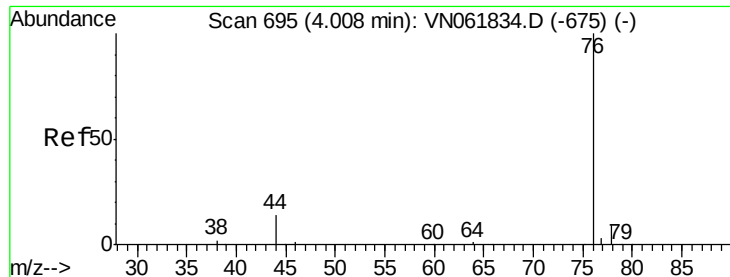
Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 67355 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 33.1  | 27.8  | 41.8  |





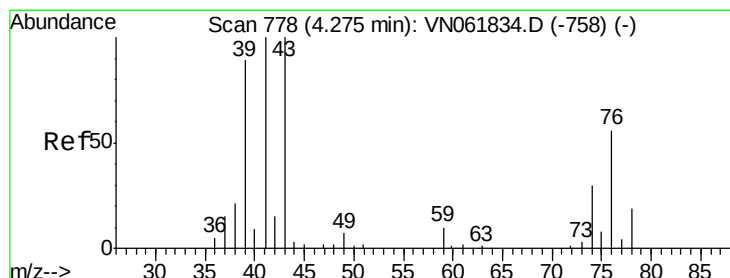
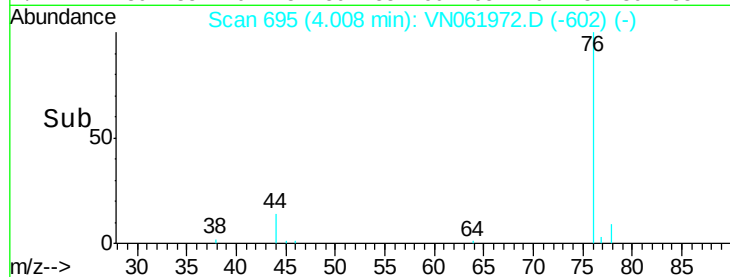
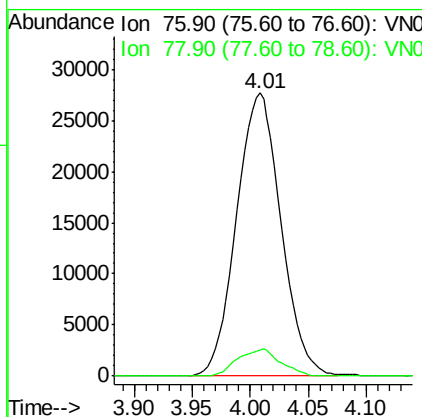
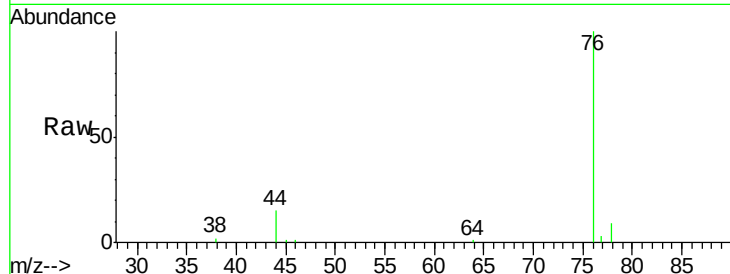
#17  
Carbon Disulfide  
Concen: 19.717 ug/l  
RT: 4.01 min Scan# 695  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.3   | 10.9  |

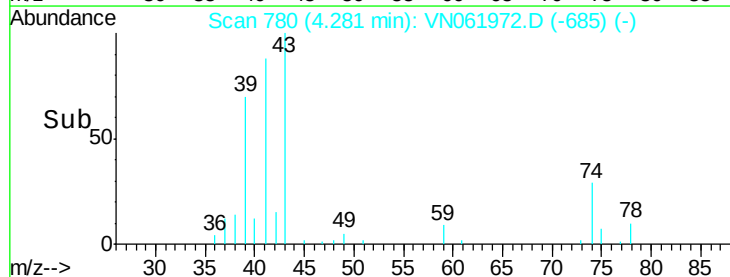
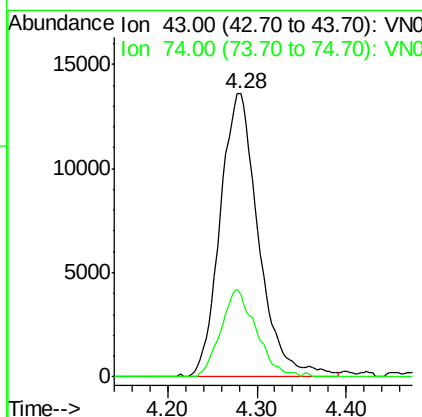
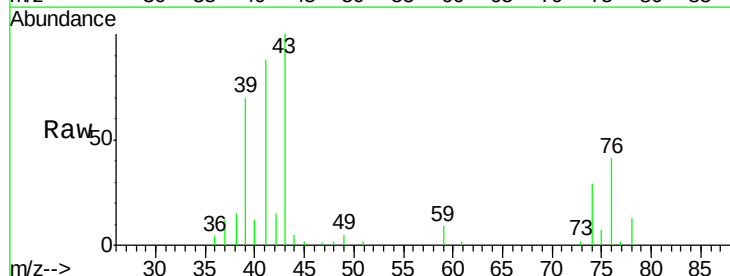
Manual Integrations  
APPROVED

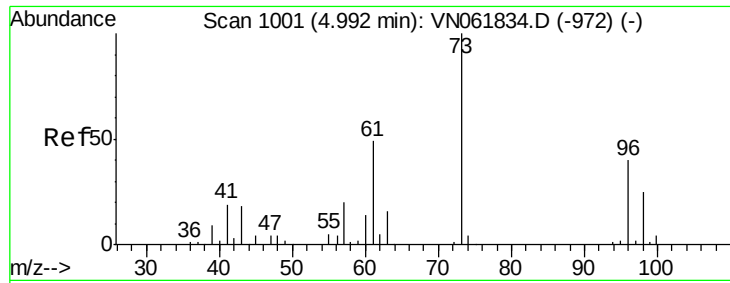
MMDadoda  
6/22/2020 10:30:14 AM



#18  
Methyl Acetate  
Concen: 28.282 ug/l  
RT: 4.28 min Scan# 780  
Delta R.T. 0.01 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 28.3  | 23.0  | 34.4  |





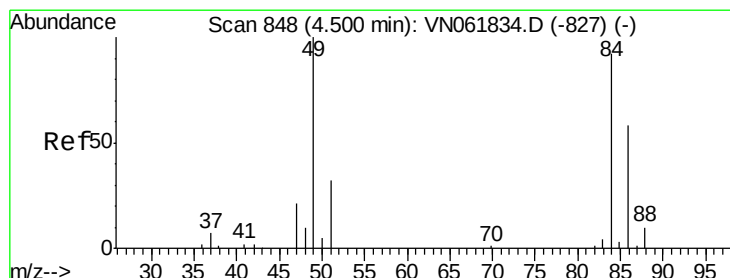
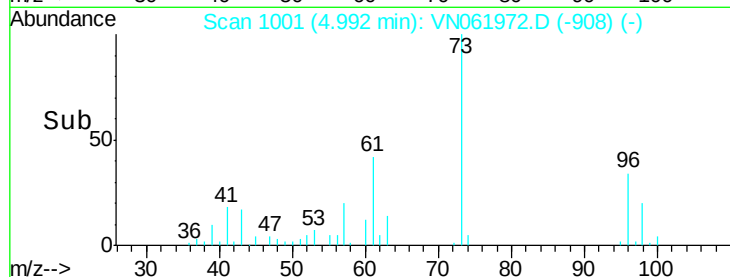
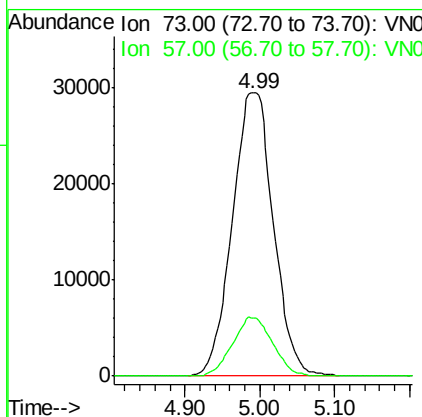
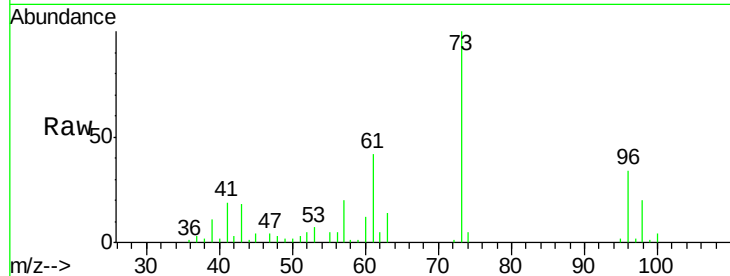
#19  
Methyl tert-butyl Ether  
Concen: 26.413 ug/l  
RT: 4.99 min Scan# 1001  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

Tot Ion: 73 Resp: 112532  
Ion Ratio Lower Upper  
73 100  
57 20.4 16.2 24.4

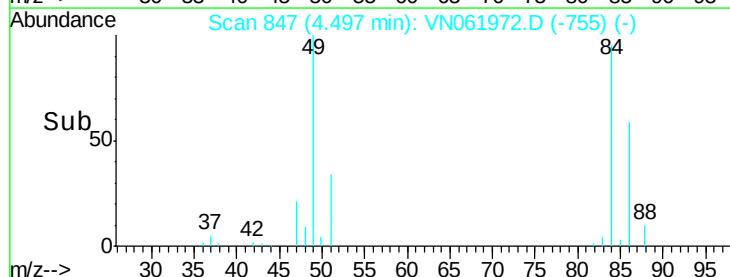
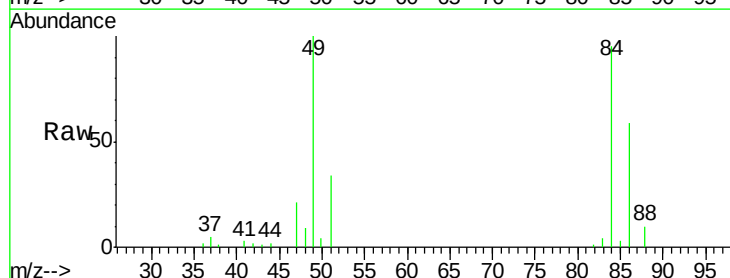
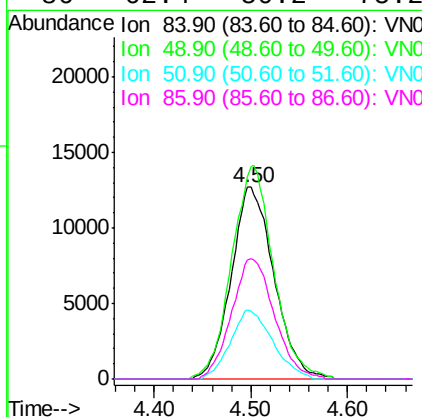
Manual Integrations  
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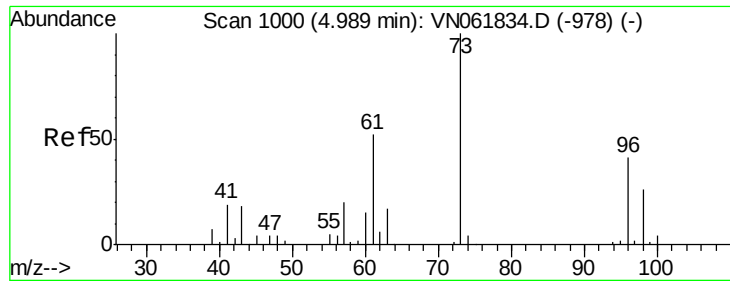
MMDadoda  
6/22/2020 10:30:14 AM



#20  
Methylene Chloride  
Concen: 24.080 ug/l  
RT: 4.50 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Tgt Ion: 84 Resp: 39139  
Ion Ratio Lower Upper  
84 100  
49 105.6 87.0 130.4  
51 36.3 27.8 41.6  
86 62.4 50.2 75.2





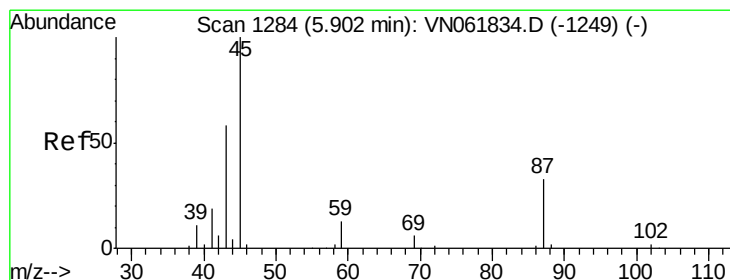
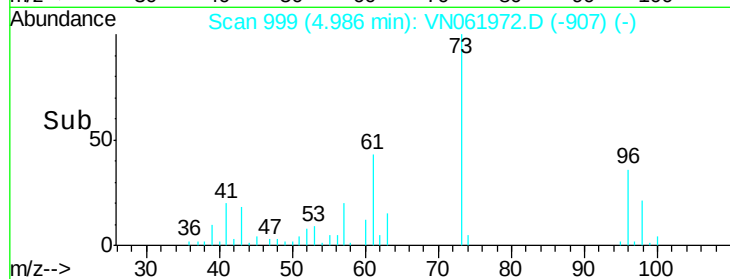
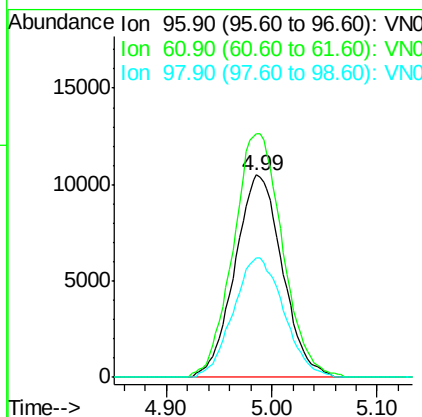
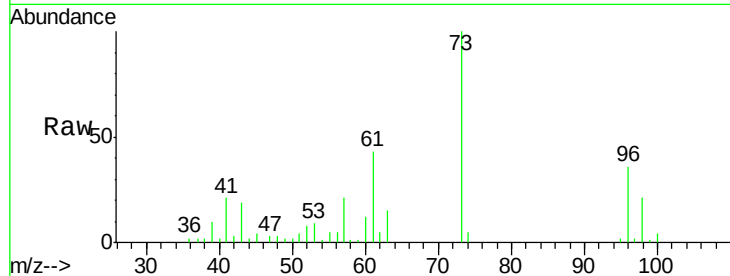
#21  
trans-1,2-Dichloroethene  
Concen: 22.334 ug/l  
RT: 4.99 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 120.3 | 102.2 | 153.4 |
| 98      | 59.2  | 51.2  | 76.8  |

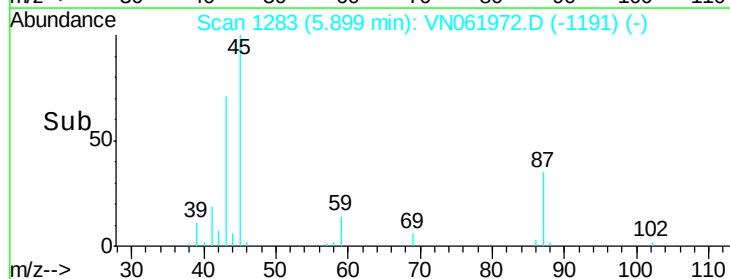
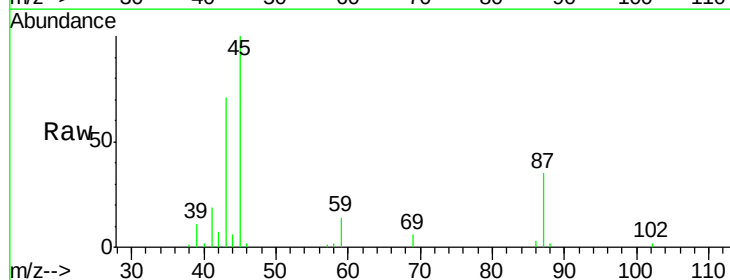
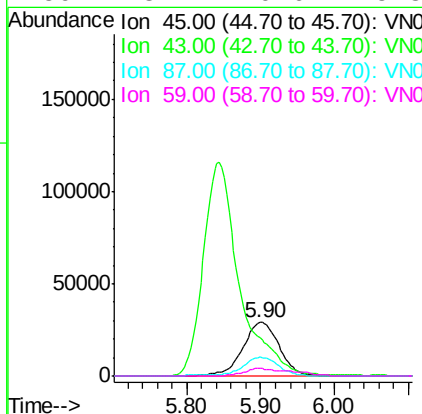
Manual Integrations  
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MMDadoda  
6/22/2020 10:30:14 AM

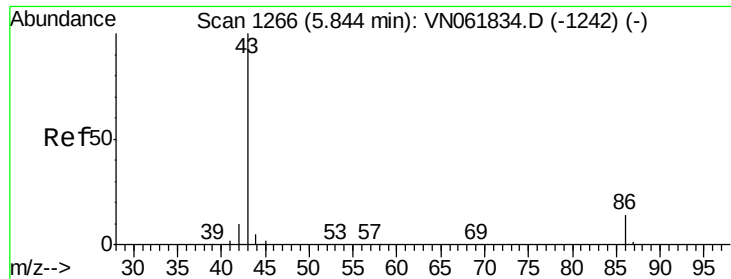


#22  
Diisopropyl ether  
Concen: 25.834 ug/l  
RT: 5.90 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 68.6  | 49.4  | 74.2  |
| 87      | 35.1  | 27.4  | 41.0  |
| 59      | 13.7  | 10.6  | 15.8  |







#23

Vinyl Acetate

Concen: 129.868 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

ClientSampled :

VN0619WBSD02

Tot Ion: 43 Resp: 396722

Ion Ratio Lower Upper

43 100

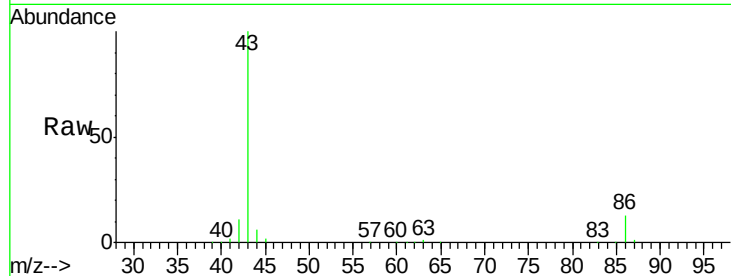
86 13.0 10.9 16.3

Manual Integrations

APPROVED

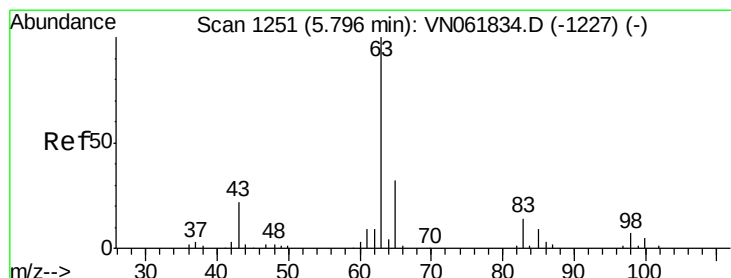
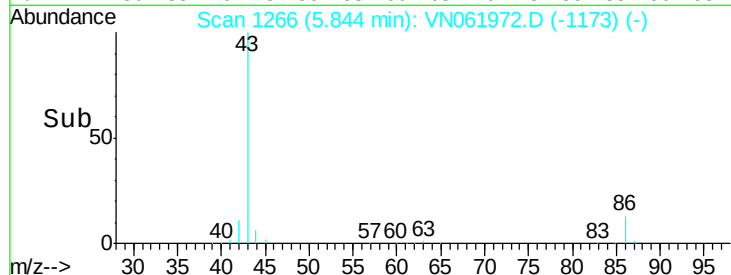
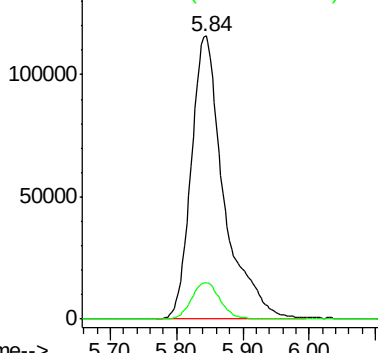
MMDadoda

6/22/2020 10:30:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 23.780 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

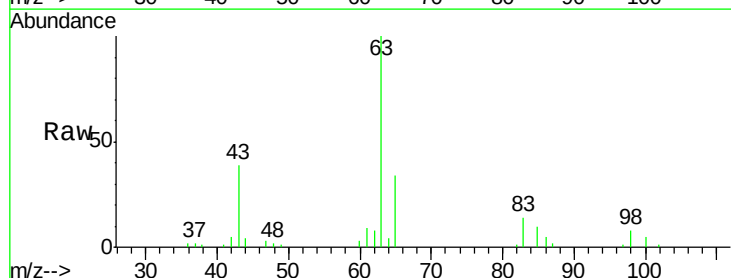
Tgt Ion: 63 Resp: 60461

Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.4

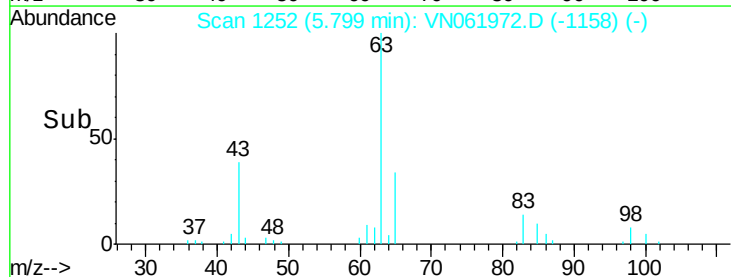
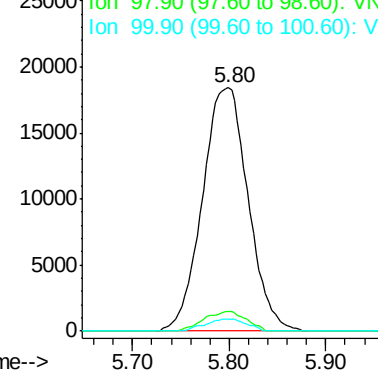
100 4.9 2.5 7.4

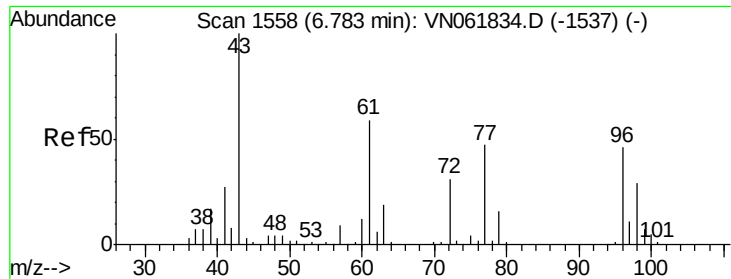


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 137.752 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

ClientSampled :

VN0619WBSD02

Tot Ion: 43 Resp: 100268

Ion Ratio Lower Upper

43 100

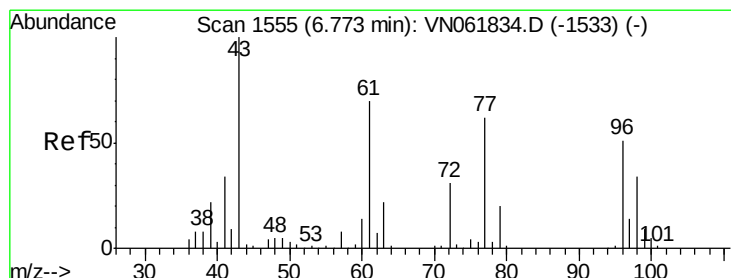
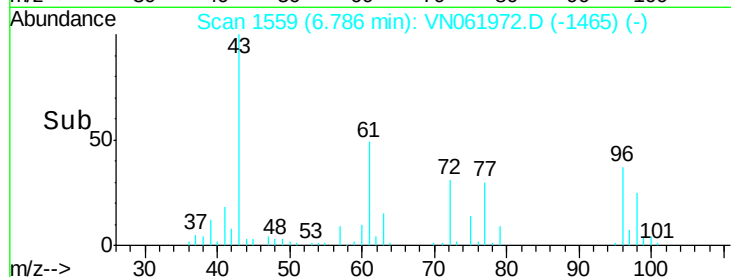
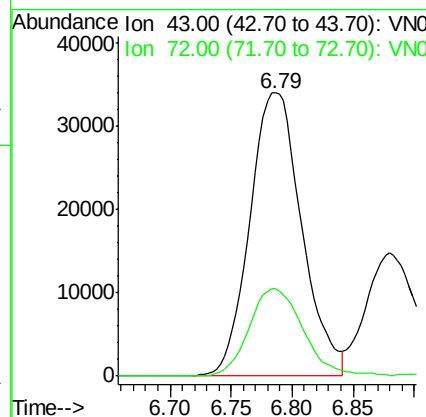
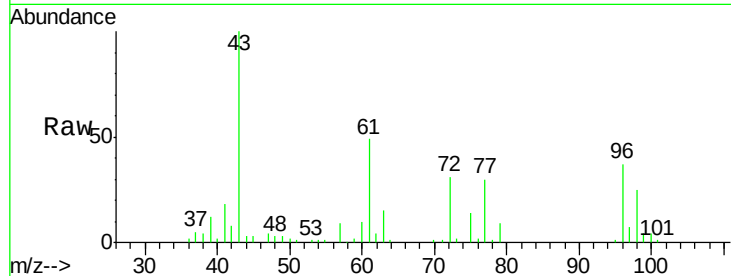
72 31.0 24.6 37.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.893 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061972.D

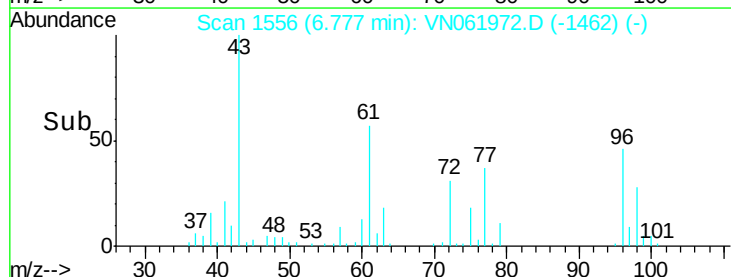
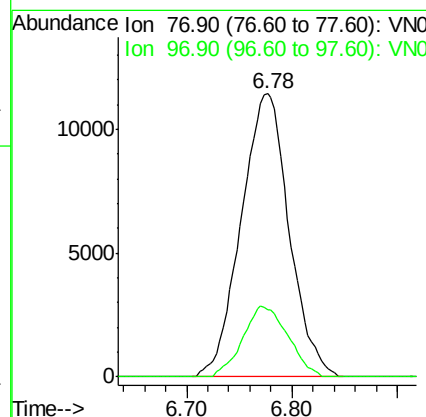
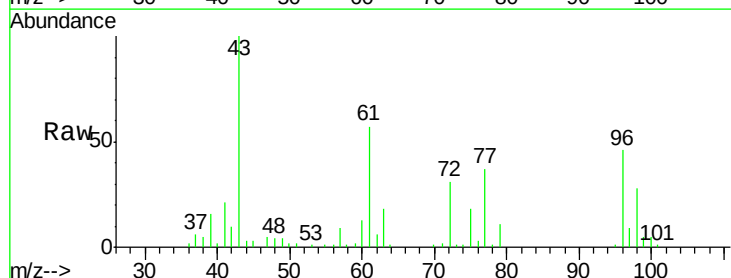
Acq: 20 Jun 2020 3:15

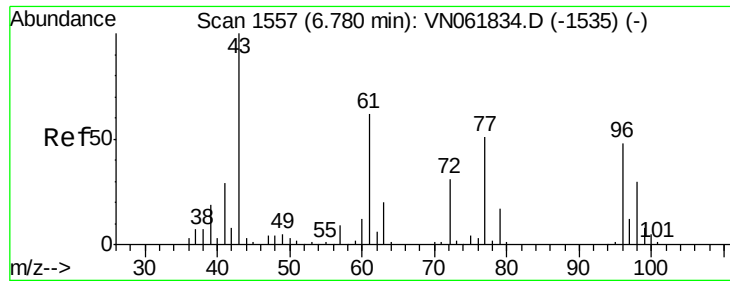
Tgt Ion: 77 Resp: 36136

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 24.250 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

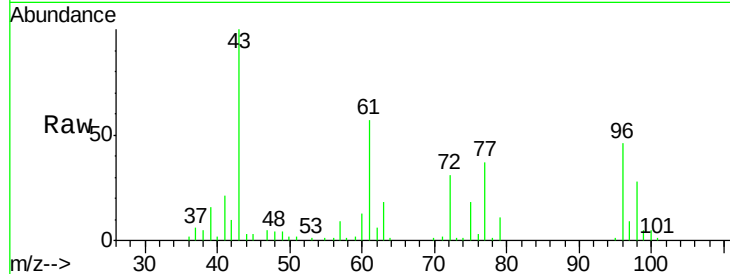
ClientSampleId :

VN0619WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 41125 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 126.6 | 0.0   | 265.6 |
| 98       | 62.3  | 0.0   | 128.2 |

Manual Integrations  
APPROVED

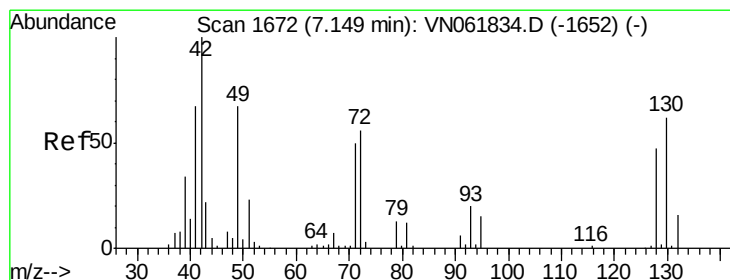
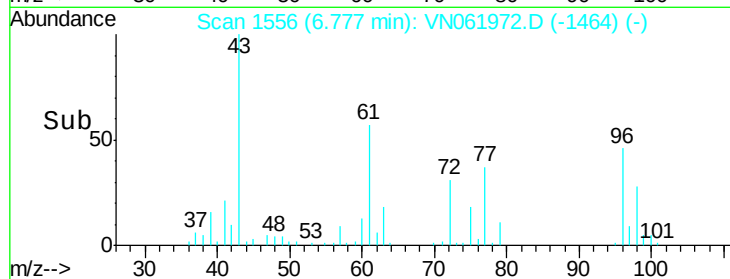
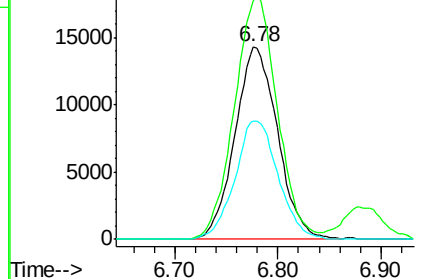
MMDadoda  
6/22/2020 10:30:14 AM



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-1535) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1535) (-)



#28

Bromochloromethane

Concen: 26.267 ug/l

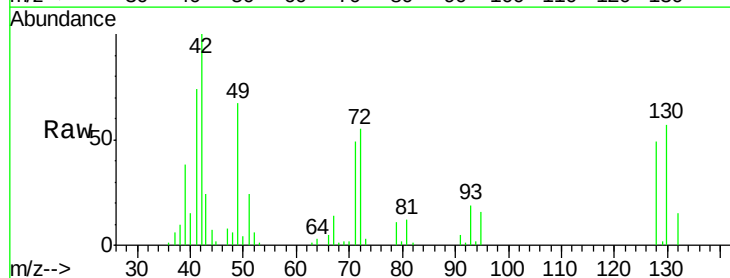
RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

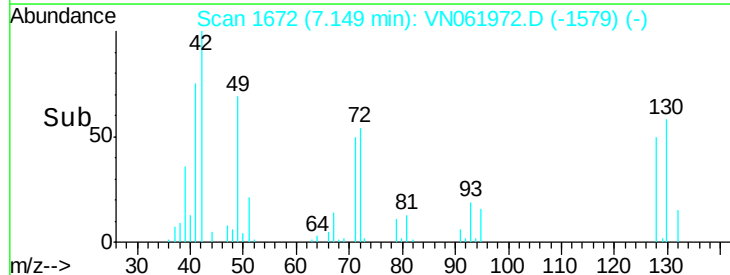
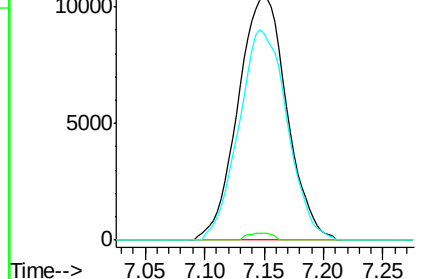
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 29736 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.5   | 0.0   | 4.0   |
| 130      | 85.2  | 72.2  | 108.2 |

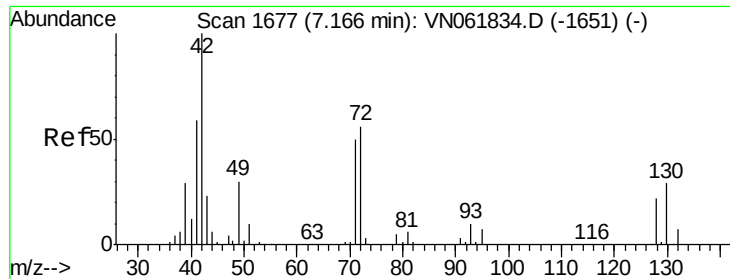


Abundance Ion 48.90 (48.60 to 49.60): VN061834.D (-1652) (-)

Ion 128.80 (128.50 to 129.50): VN061834.D (-1652) (-)

Ion 129.80 (129.50 to 130.50): VN061834.D (-1652) (-)





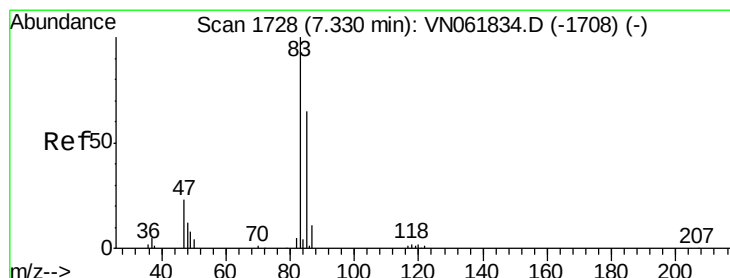
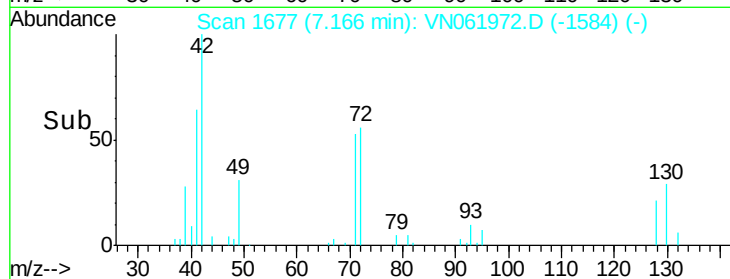
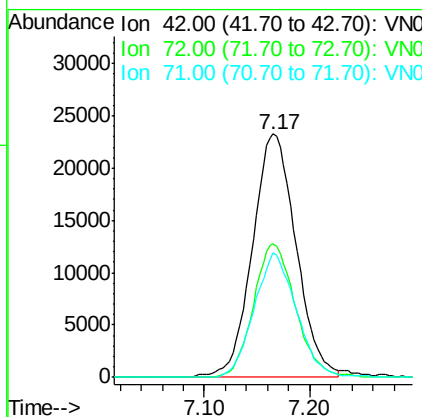
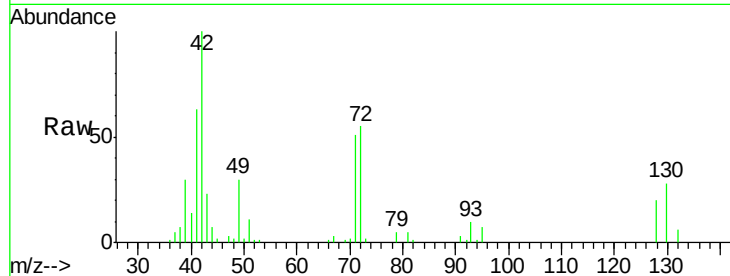
#29  
Tetrahydrofuran  
Concen: 139.774 ug/l  
RT: 7.17 min Scan# 1677  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 52.8  | 44.0  | 66.0  |
| 71      | 49.1  | 40.0  | 60.0  |

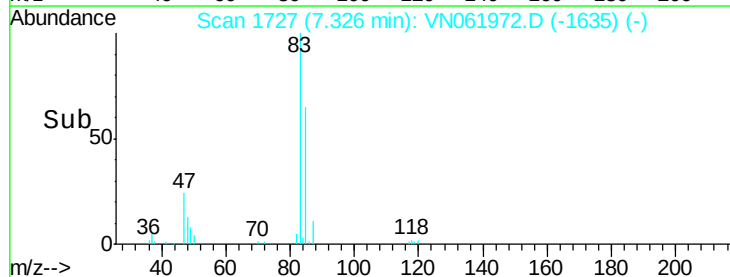
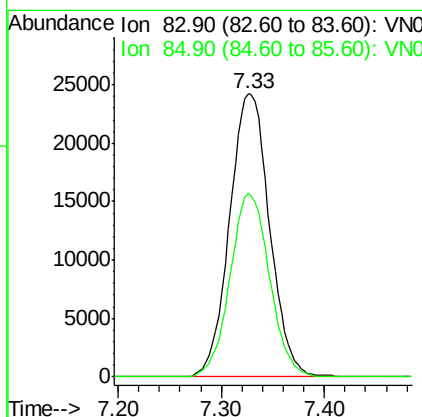
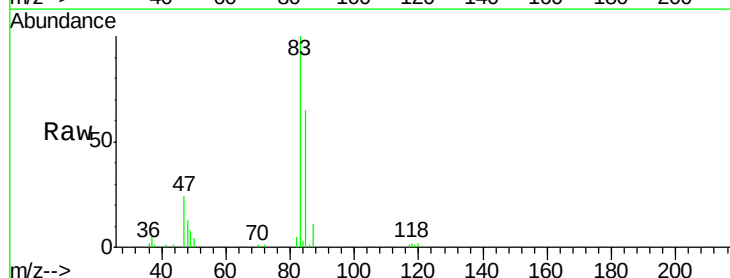
Manual Integrations  
APPROVED

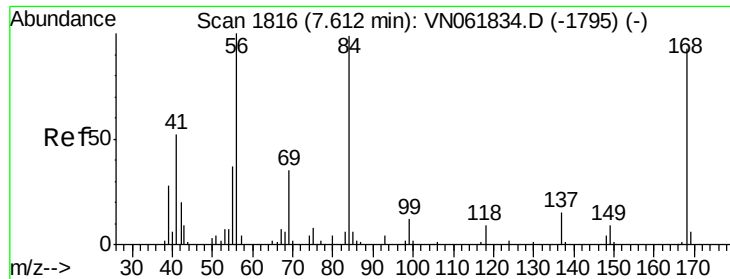
MMDadoda  
6/22/2020 10:30:14 AM



#30  
Chloroform  
Concen: 24.044 ug/l  
RT: 7.33 min Scan# 1727  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.0  | 52.0  | 78.0  |





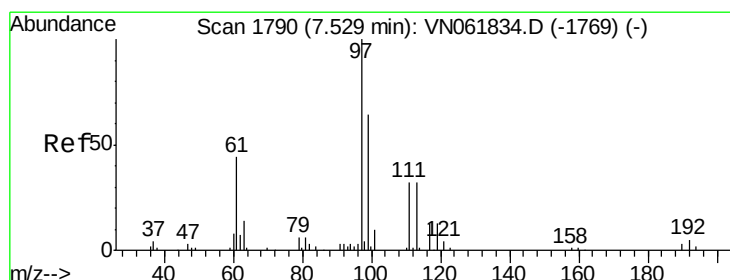
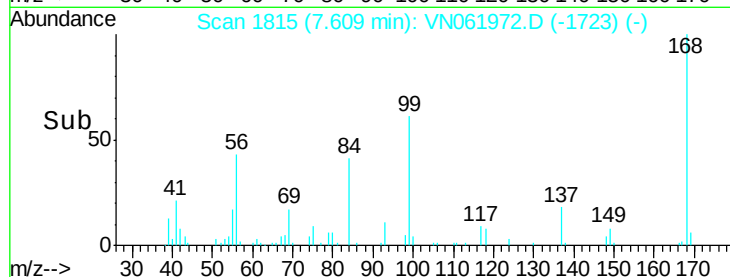
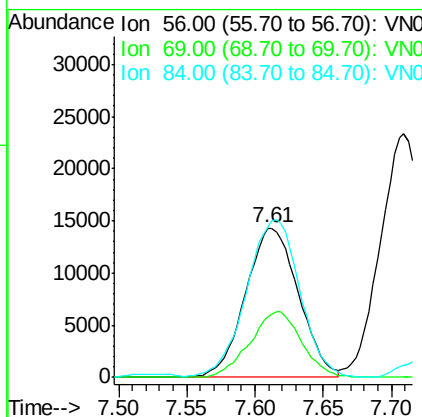
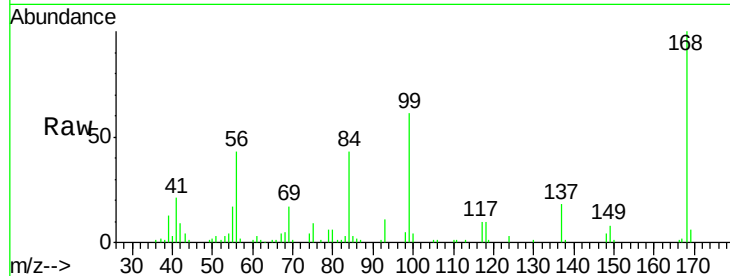
#31  
Cyclohexane  
Concen: 17.345 ug/l  
RT: 7.61 min Scan# 1815  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 40.2  | 27.7  | 41.5  |
| 84      | 99.5  | 79.1  | 118.7 |

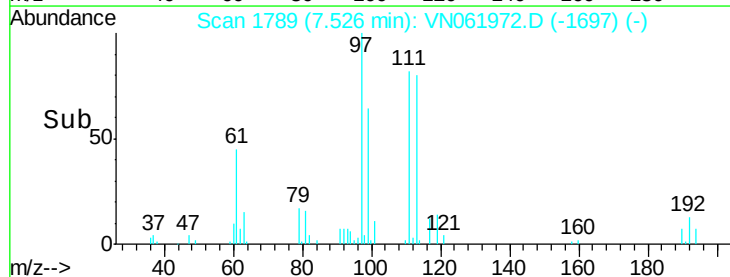
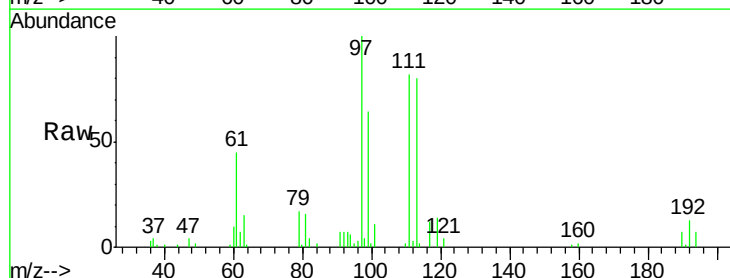
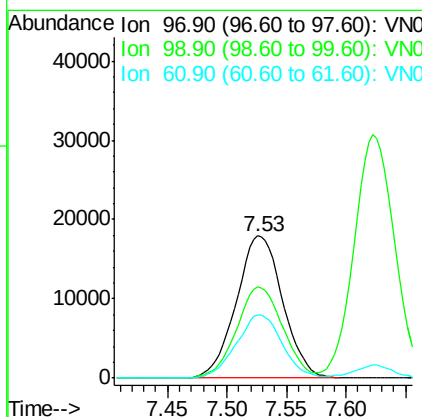
Manual Integrations  
APPROVED

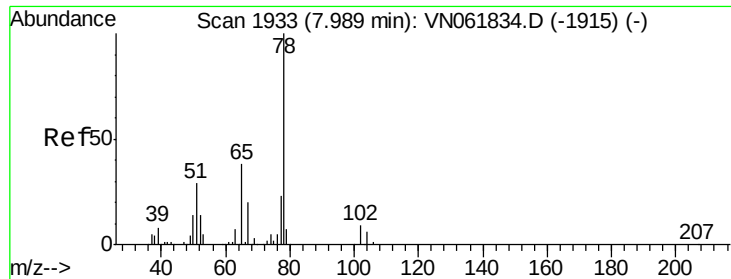
MMDadoda  
6/22/2020 10:30:14 AM



#32  
1,1,1-Trichloroethane  
Concen: 20.907 ug/l  
RT: 7.53 min Scan# 1789  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 51.5  | 77.3  |
| 61      | 43.9  | 35.1  | 52.7  |





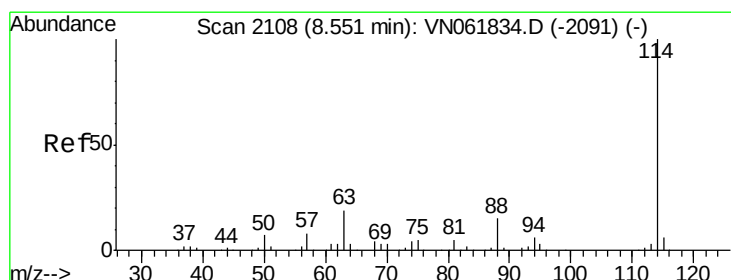
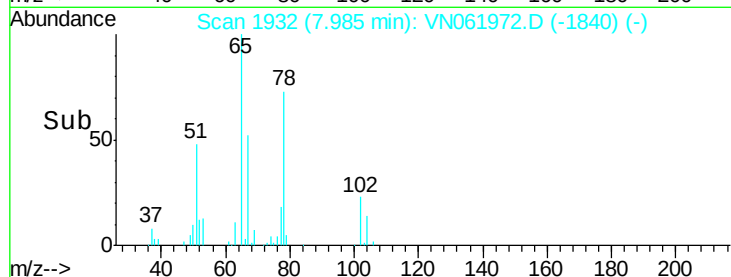
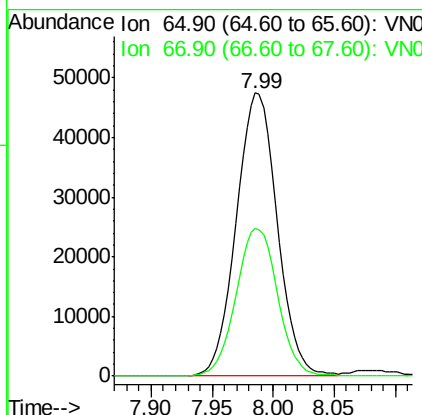
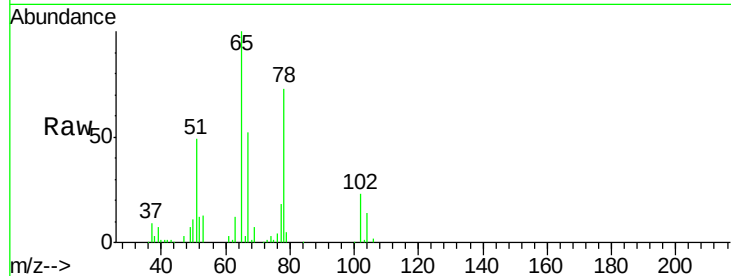
#33  
 1,2-Dichloroethane-d4  
 Concen: 65.255 ug/l  
 RT: 7.99 min Scan# 1932  
 Delta R.T. -0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0619WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 110215 |       |       |
| 67      | 52.9  | 0.0    | 106.2 |       |

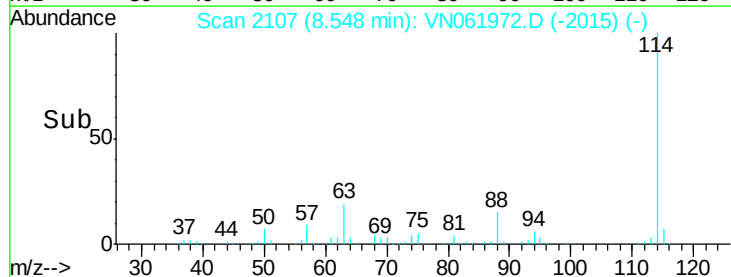
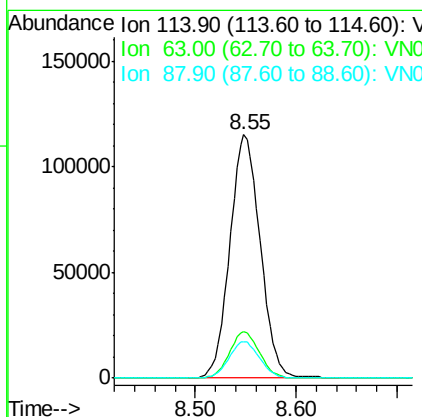
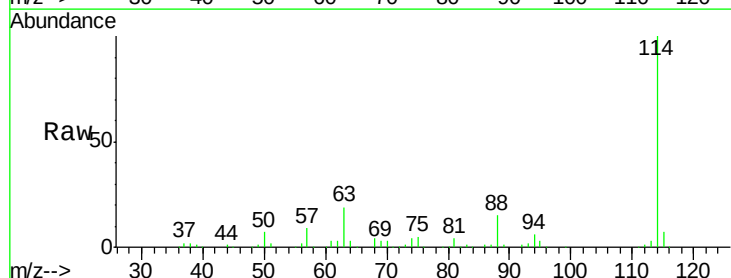
Manual Integrations  
 APPROVED

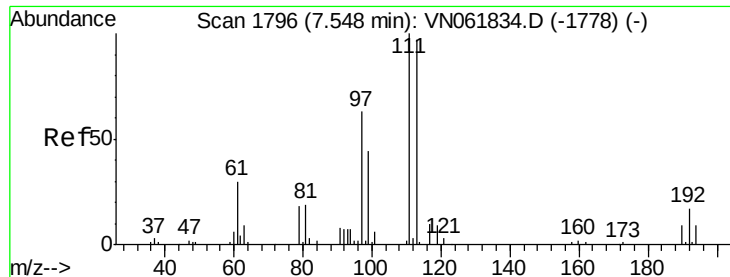
MMDadoda  
 6/22/2020 10:30:14 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 241120 |       |       |
| 63      | 19.3  | 0.0    | 37.6  |       |
| 88      | 15.1  | 0.0    | 31.0  |       |





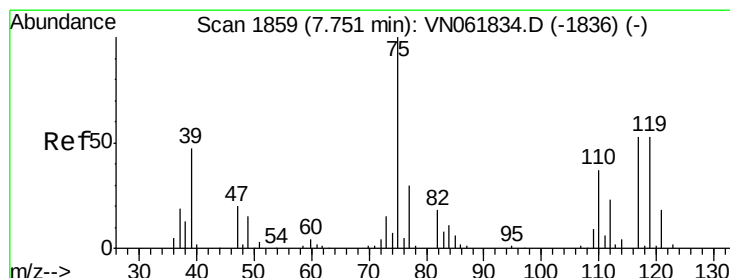
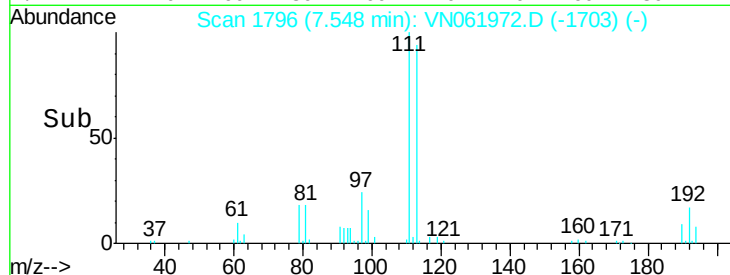
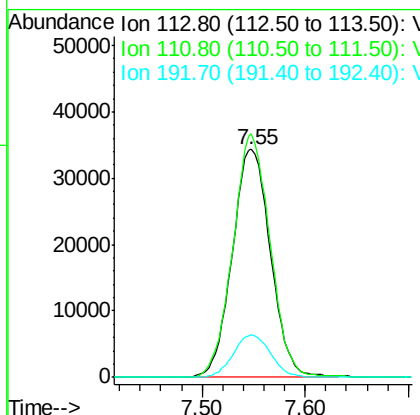
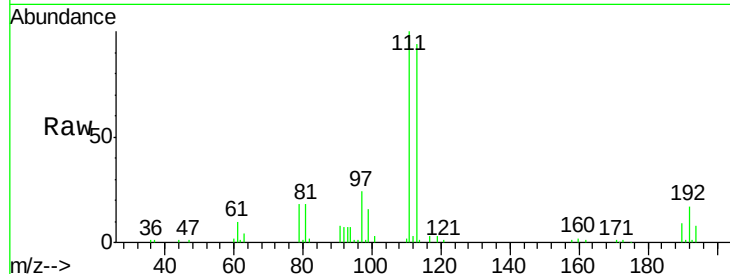
#35  
 Dibromofluoromethane  
 Concen: 57.434 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0619WBSD02

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 103.6 | 83.7 | 125.5 |       |
| 192     | 18.1  | 13.9 | 20.9  |       |

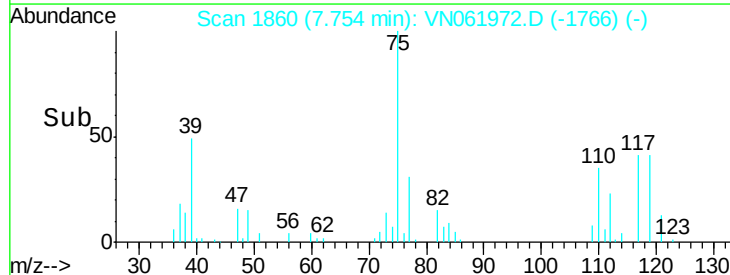
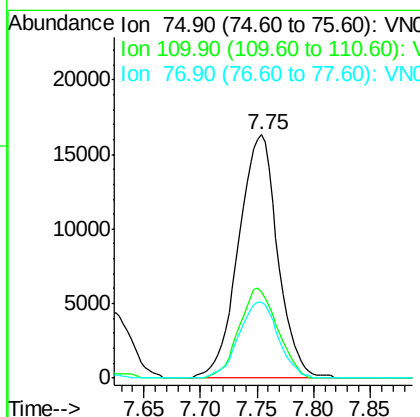
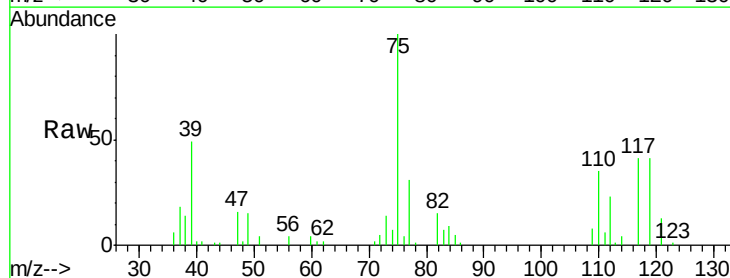
Manual Integrations  
 APPROVED

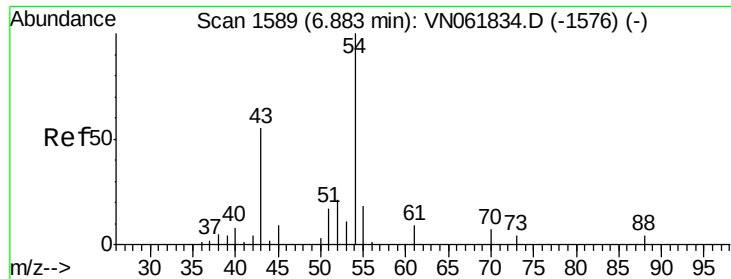
MMDadoda  
 6/22/2020 10:30:14 AM



#36  
 1,1-Dichloropropene  
 Concen: 17.868 ug/l  
 RT: 7.75 min Scan# 1860  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 36.1  | 18.2 | 54.6  |       |
| 77      | 31.3  | 24.2 | 36.4  |       |





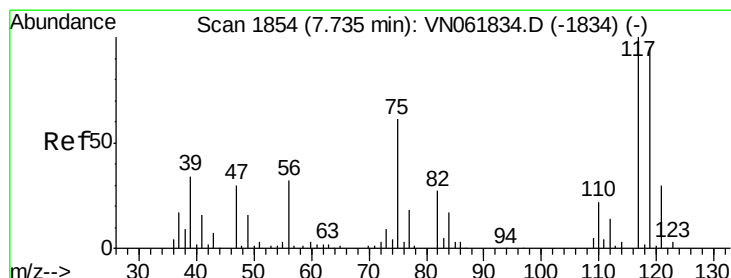
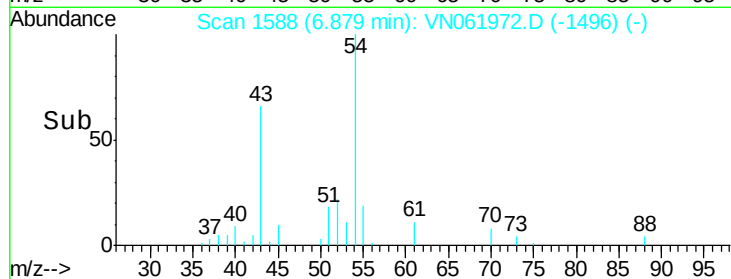
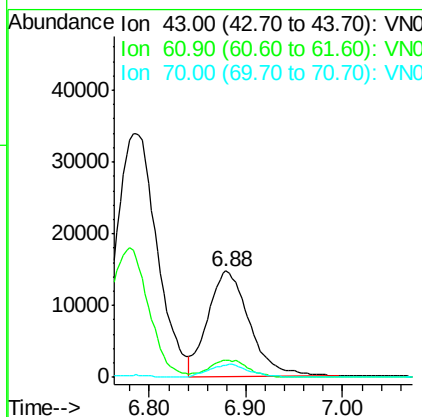
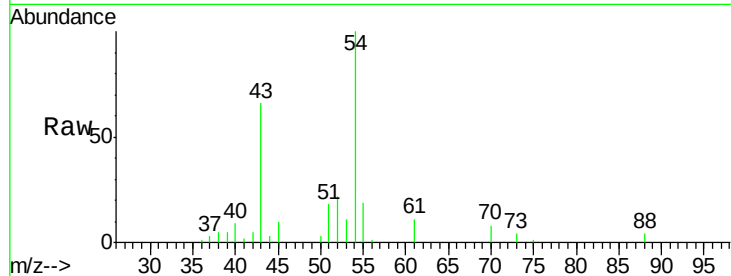
#37  
Ethyl Acetate  
Concen: 25.728 ug/l  
RT: 6.88 min Scan# 1588  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | 43    | 61   | 70   |
|---------|-------|------|------|
| Resp    | 44185 | 15.1 | 11.7 |
| Ratio   | 100   | 15.1 | 11.7 |
| Lower   |       | 13.0 | 9.4  |
| Upper   |       | 19.4 | 14.2 |

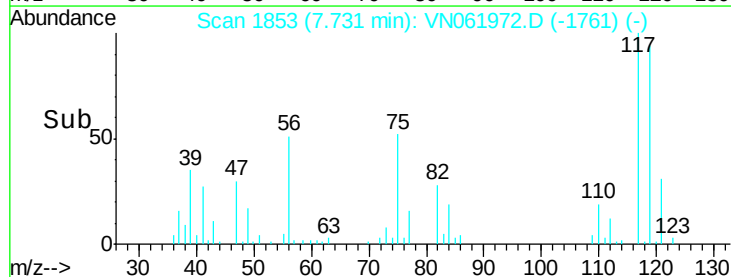
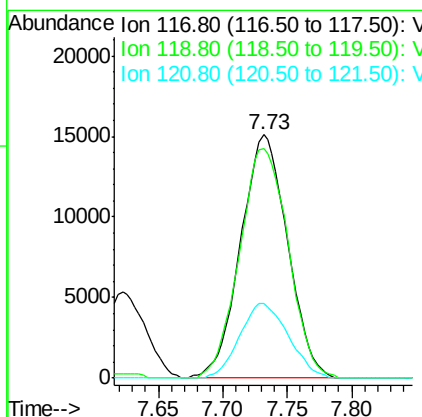
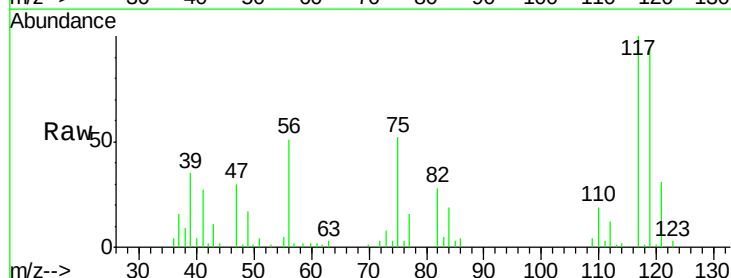
Manual Integrations  
APPROVED

MMDadoda  
6/22/2020 10:30:14 AM

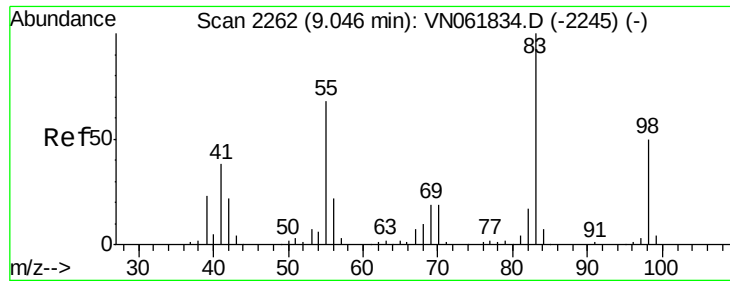


#38  
Carbon Tetrachloride  
Concen: 17.590 ug/l  
RT: 7.73 min Scan# 1853  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | 117   | 119   | 121  |
|---------|-------|-------|------|
| Resp    | 38310 | 94.2  | 30.6 |
| Ratio   | 100   | 94.2  | 30.6 |
| Lower   |       | 75.8  | 23.8 |
| Upper   |       | 113.6 | 35.6 |







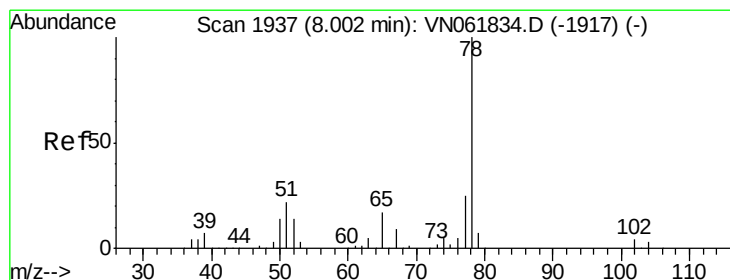
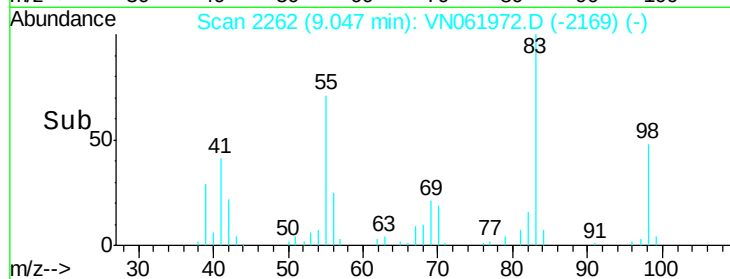
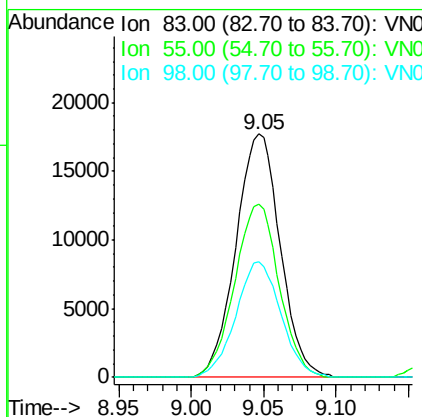
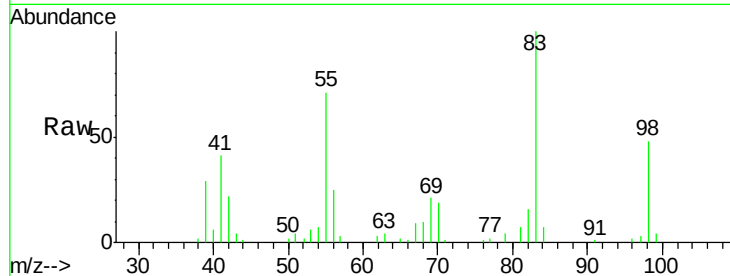
#39  
Methylvlcyclohexane  
Concen: 15.869 ug/l  
RT: 9.05 min Scan# 2262  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 71.2  | 54.2  | 81.4  |
| 98      | 47.5  | 39.8  | 59.6  |

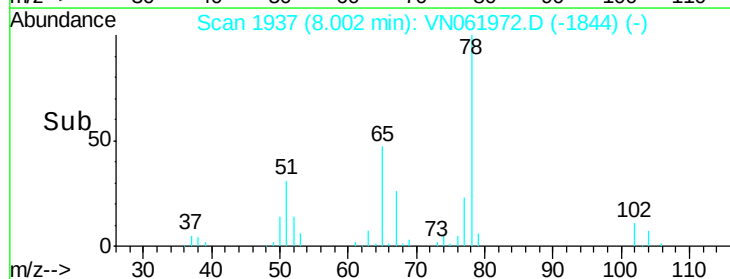
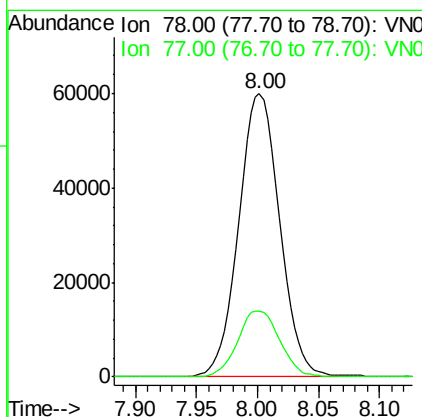
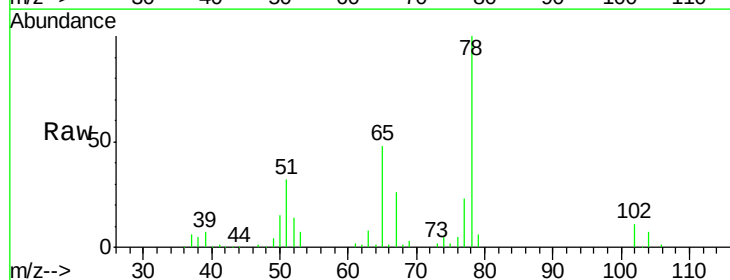
Manual Integrations  
APPROVED

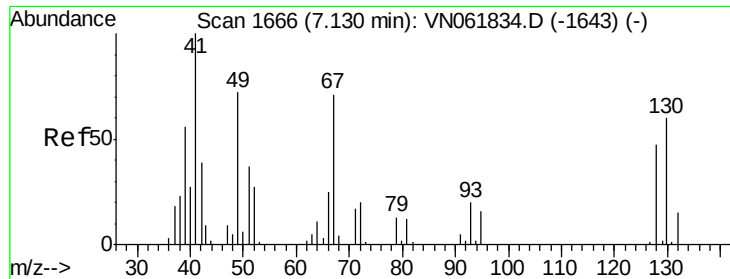
MMDadoda  
6/22/2020 10:30:14 AM



#40  
Benzene  
Concen: 20.890 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.3  | 19.7  | 29.5  |





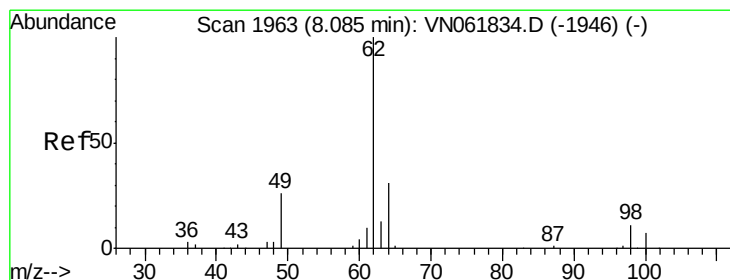
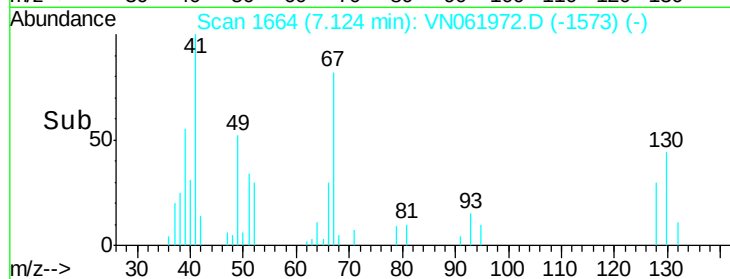
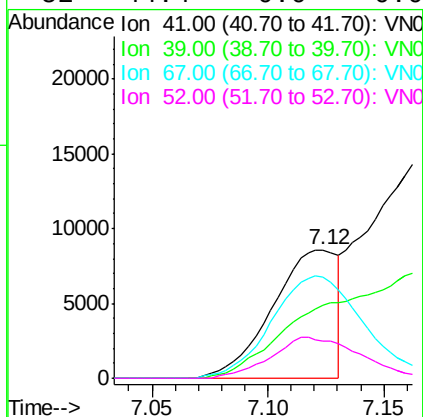
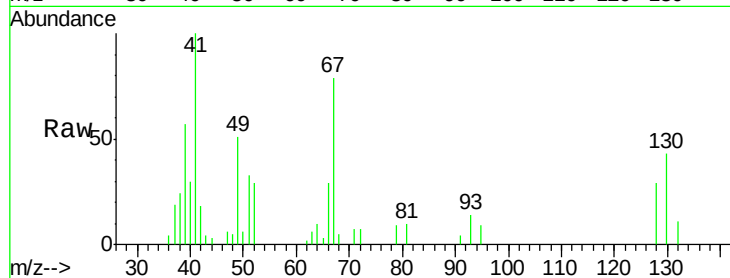
#41  
Methacrylonitrile  
Concen: 22.847 ug/l  
RT: 7.12 min Scan# 1664  
Delta R.T. -0.01 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 0.0   | 0.0   | 0.0   |
| 67      | 114.2 | 0.0   | 0.0#  |
| 52      | 44.4  | 0.0   | 0.0#  |

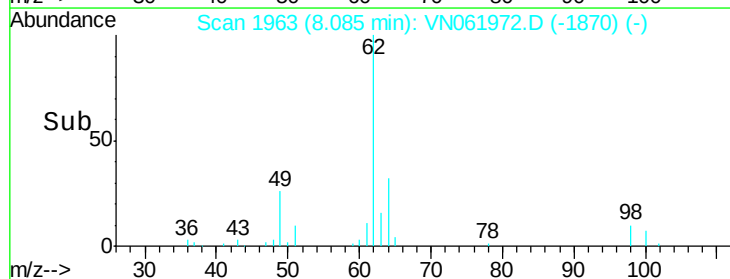
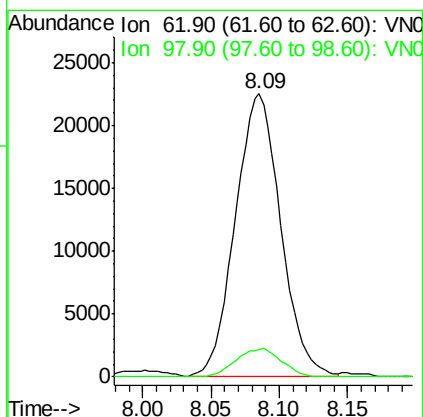
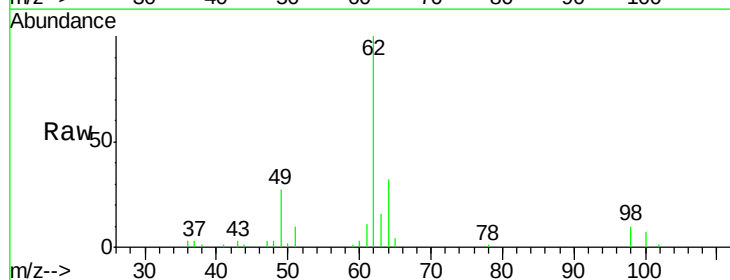
Manual Integrations  
APPROVED

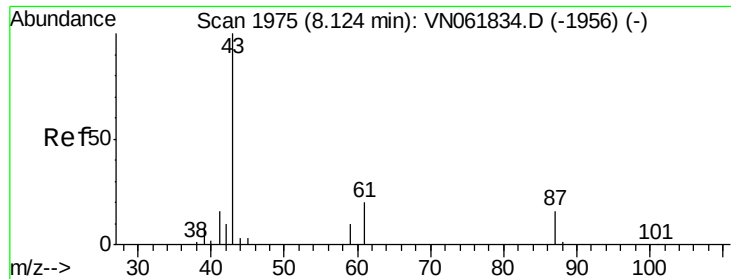
MMDadoda  
6/22/2020 10:30:14 AM



#42  
1,2-Dichloroethane  
Concen: 22.976 ug/l  
RT: 8.09 min Scan# 1963  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.0  | 0.0   | 20.4  |





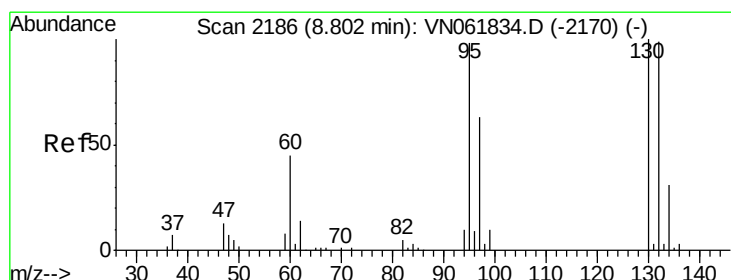
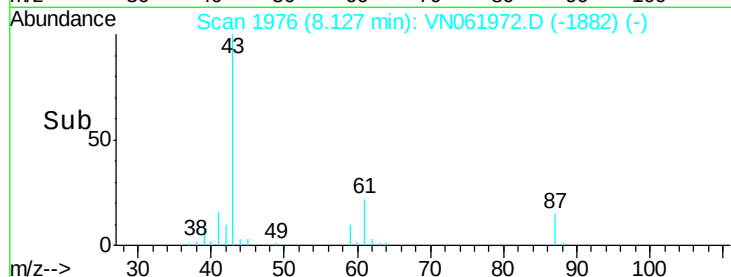
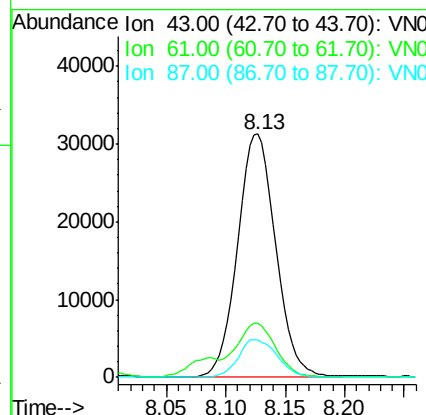
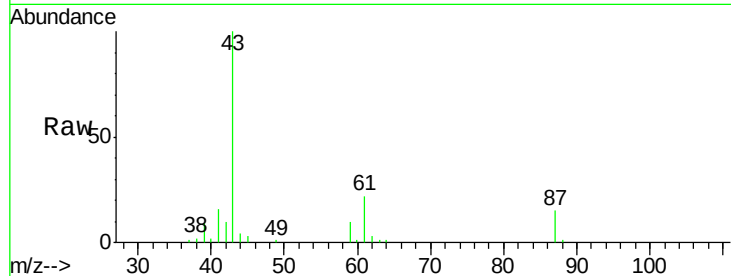
#43  
Isopropyl Acetate  
Concen: 24.049 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 23.1  | 24.0  | 36.0# |
| 87      | 15.7  | 12.5  | 18.7  |

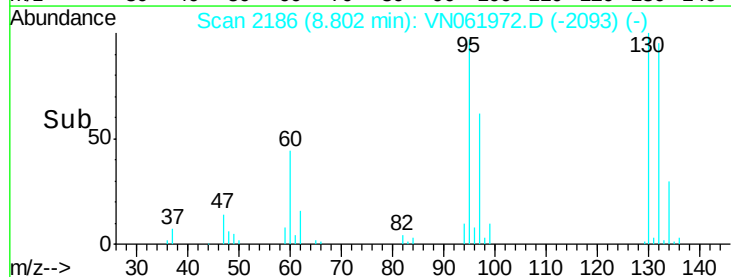
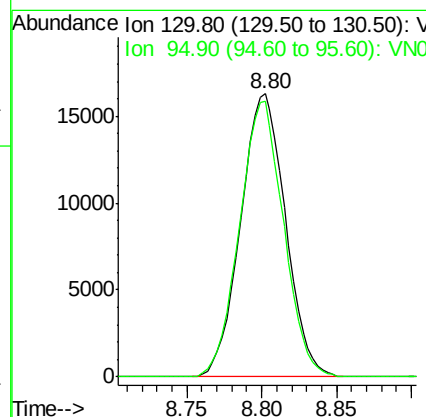
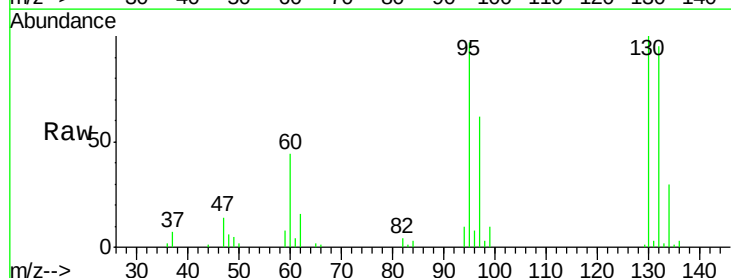
Manual Integrations  
APPROVED

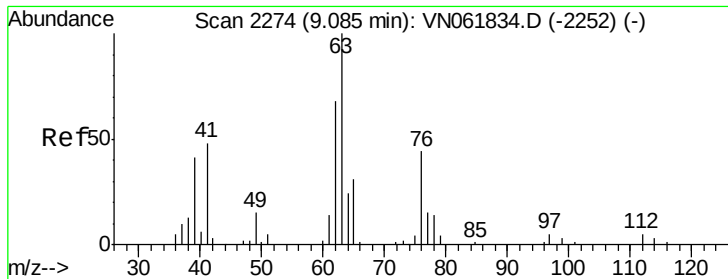
MMDadoda  
6/22/2020 10:30:14 AM



#44  
Trichloroethene  
Concen: 19.348 ug/l  
RT: 8.80 min Scan# 2186  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 97.4  | 0.0   | 195.6 |





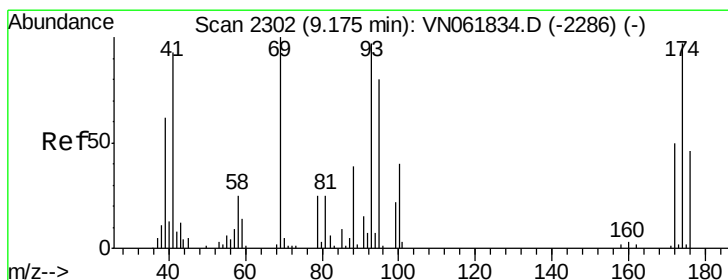
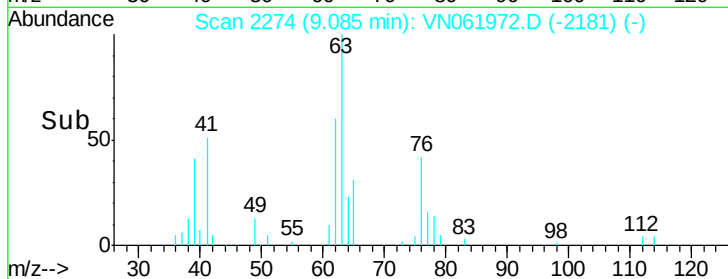
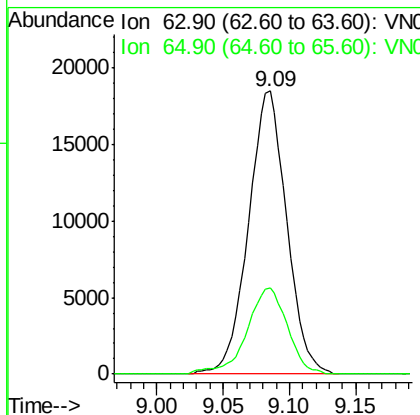
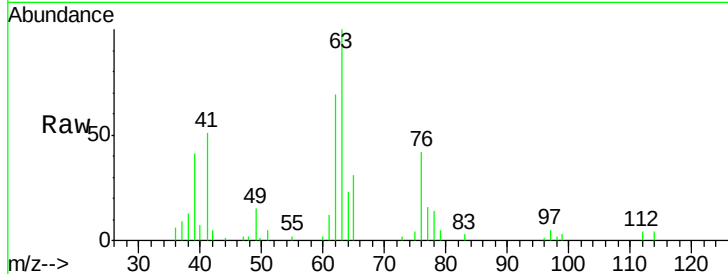
#45  
 1,2-Dichloropropane  
 Concen: 22.611 ug/l  
 RT: 9.09 min Scan# 2274  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.6  | 25.1  | 37.7  |

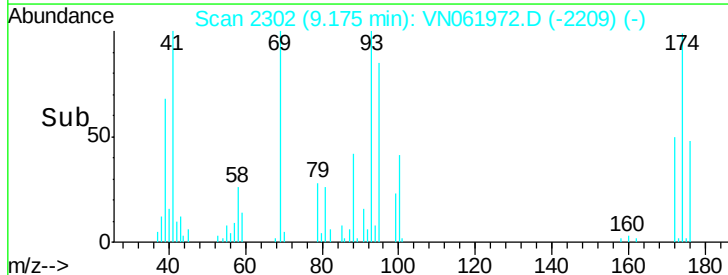
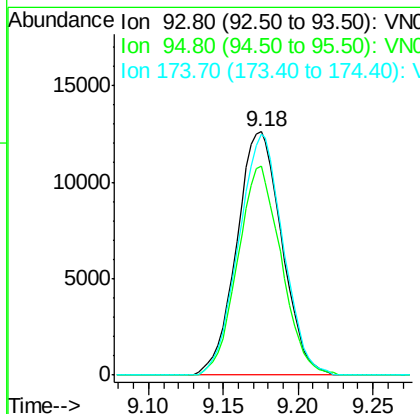
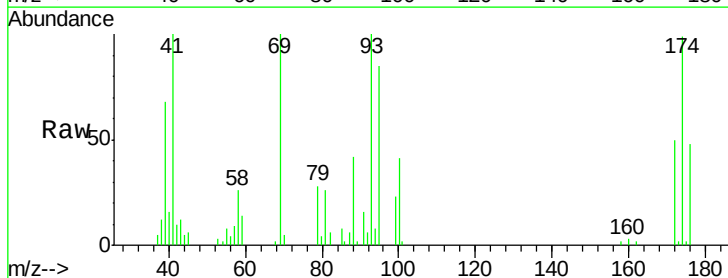
Manual Integrations  
 APPROVED

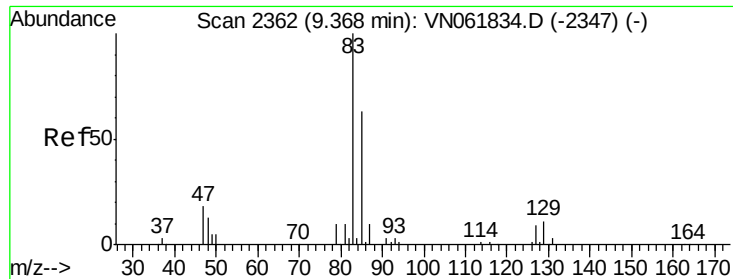
MMDadoda  
 6/22/2020 10:30:14 AM



#46  
 Dibromomethane  
 Concen: 22.974 ug/l  
 RT: 9.18 min Scan# 2302  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.8  | 65.8  | 98.6  |
| 174     | 97.3  | 78.5  | 117.7 |





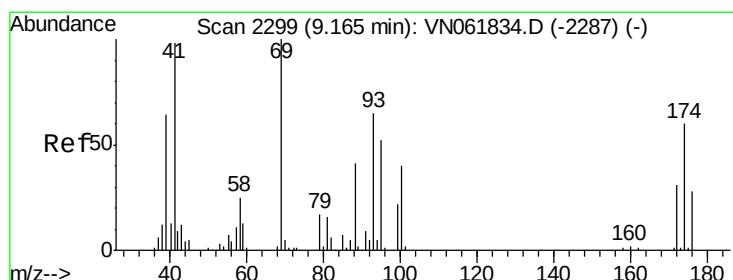
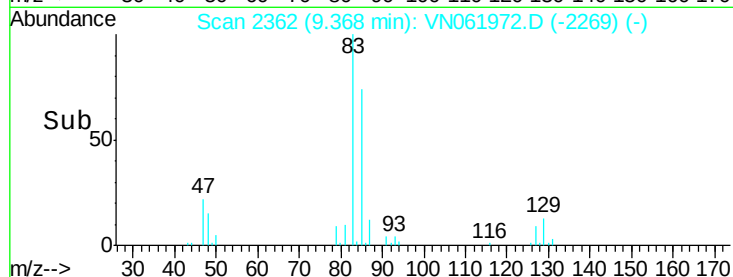
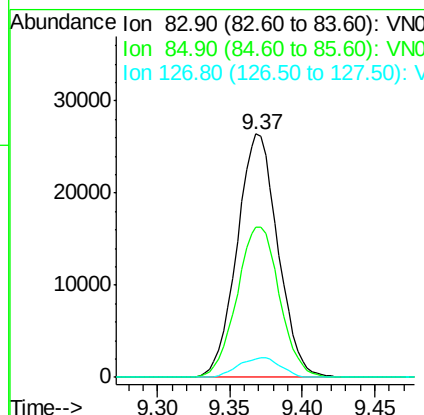
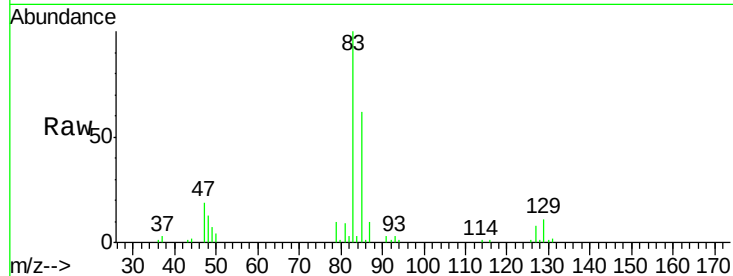
#47  
Bromodichloromethane  
Concen: 21.840 ug/l  
RT: 9.37 min Scan# 2362  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion   | 83   | Resp  | 51559 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 61.7 | 50.8  | 76.2  |
| 127       | 7.8  | 7.0   | 10.4  |

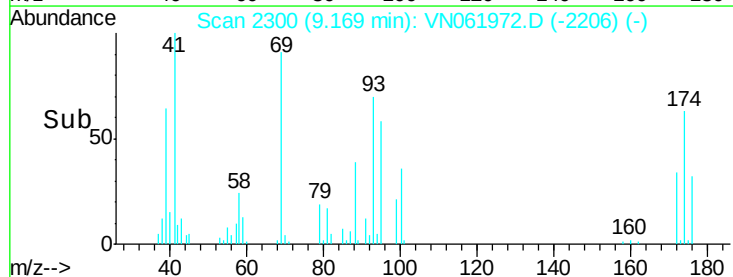
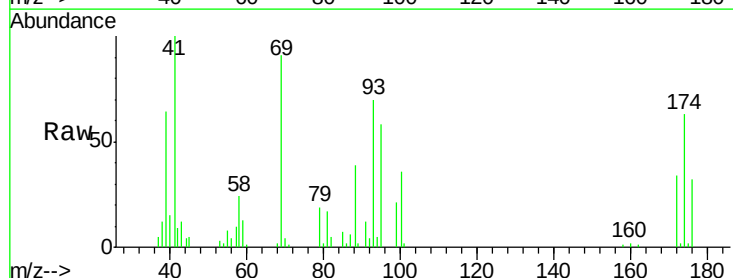
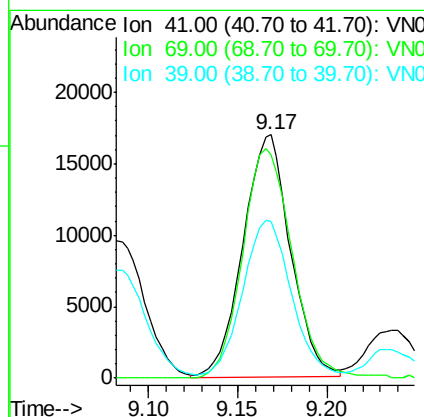
Manual Integrations  
APPROVED

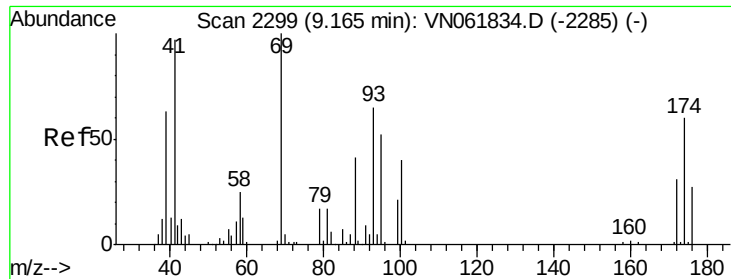
MMDadoda  
6/22/2020 10:30:14 AM



#48  
Methyl methacrylate  
Concen: 23.973 ug/l  
RT: 9.17 min Scan# 2300  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion   | 41   | Resp  | 31553 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 69        | 99.4 | 83.0  | 124.4 |
| 39        | 67.9 | 55.1  | 82.7  |





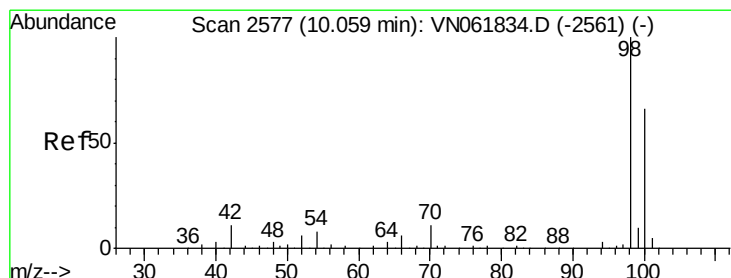
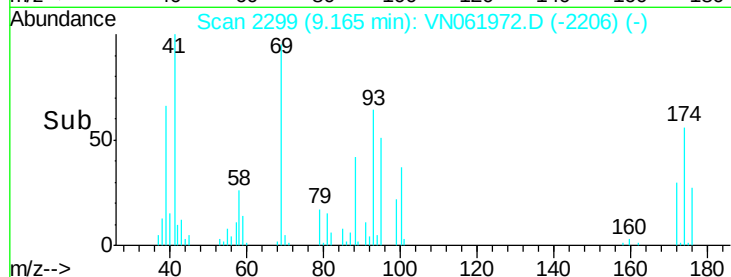
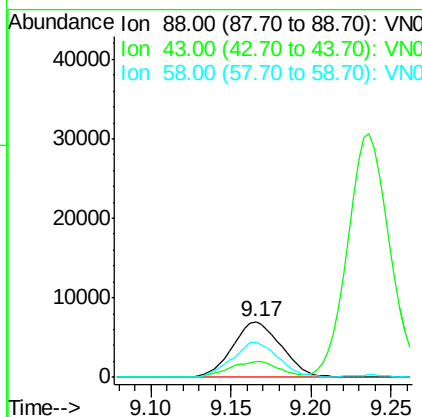
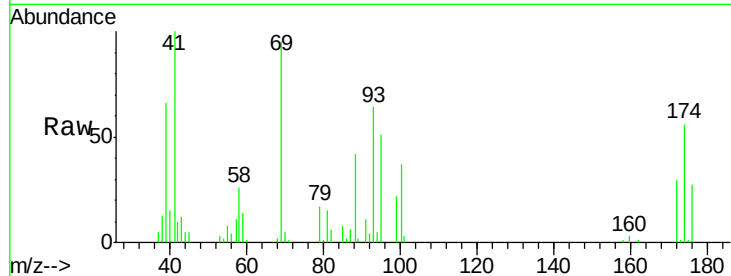
#49  
 1,4-Dioxane  
 Concen: 479.771 ug/l  
 RT: 9.17 min Scan# 2299  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0619WBSD02

| Tot Ion   | 88    | Resp  | 14498 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 29.3  | 23.4  | 35.2  |
| 58        | 60.0  | 49.8  | 74.6  |

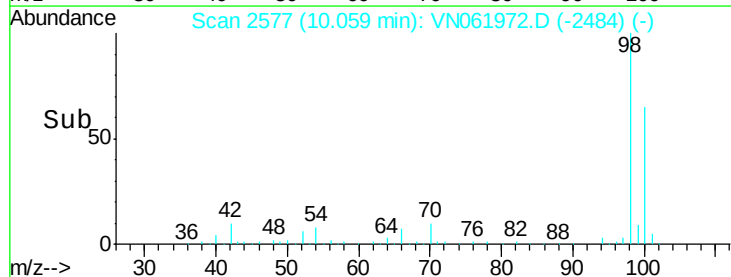
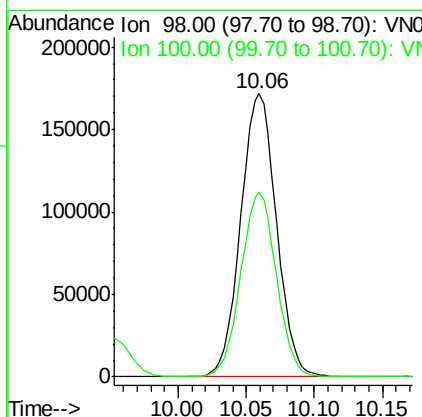
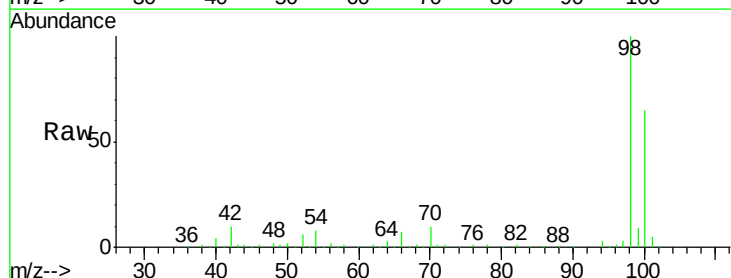
Manual Integrations  
 APPROVED

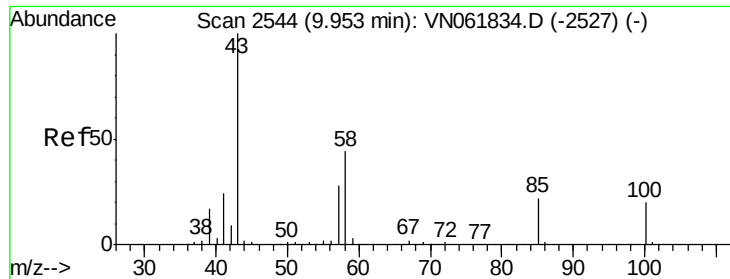
MMDadoda  
 6/22/2020 10:30:14 AM



#50  
 Toluene-d8  
 Concen: 51.491 ug/l  
 RT: 10.06 min Scan# 2577  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion   | 98    | Resp  | 312264 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 65.0  | 52.7  | 79.1   |





#51

4-Methyl-2-Pentanone

Concen: 123.632 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

ClientSampleId :

VN0619WBSD02

Tot Ion: 43 Resp: 211450

Ion Ratio Lower Upper

43 100

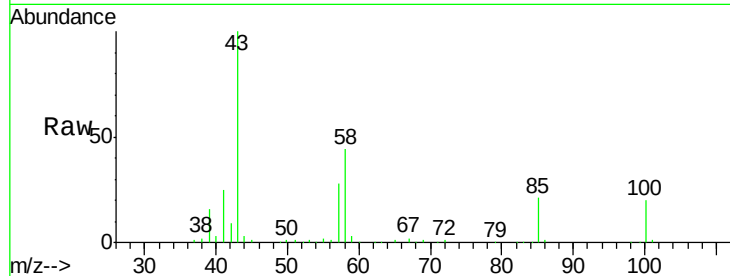
58 43.7 34.6 52.0

Manual Integrations

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MMDadoda

6/22/2020 10:30:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

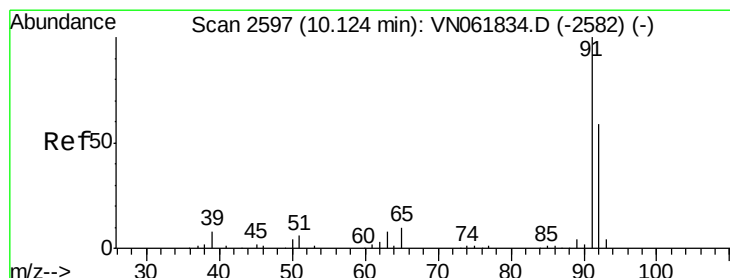
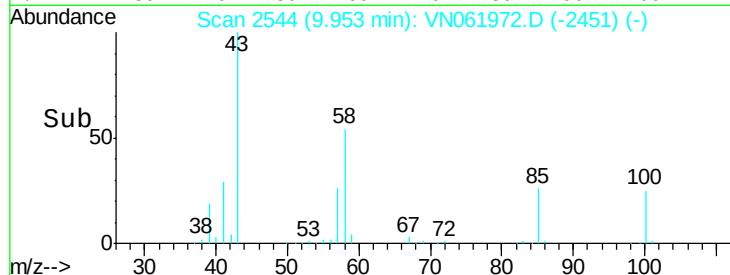
9.95

100000

50000

0

Time-->



#52

Toluene

Concen: 20.487 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061972.D

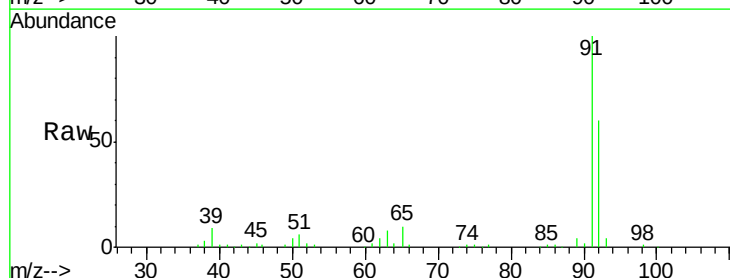
Acq: 20 Jun 2020 3:15

Tgt Ion: 92 Resp: 85718

Ion Ratio Lower Upper

92 100

91 171.3 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)

10.12

80000

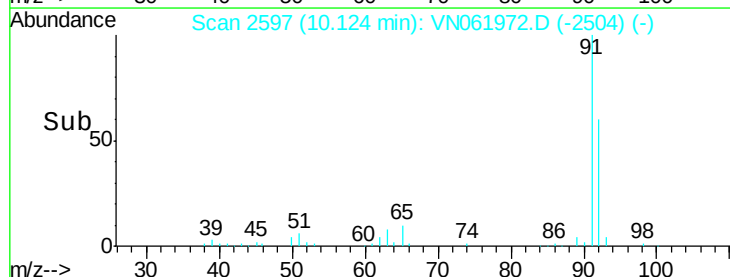
60000

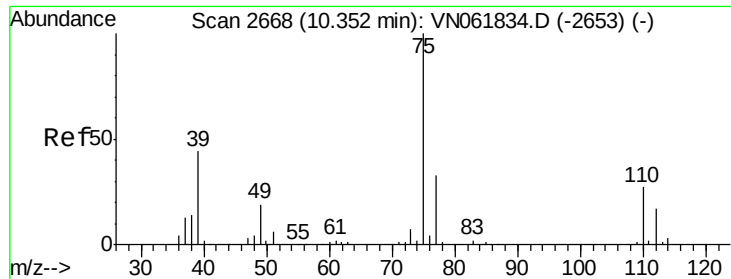
40000

20000

0

Time-->





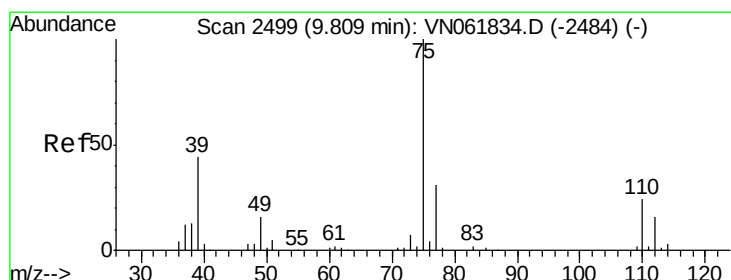
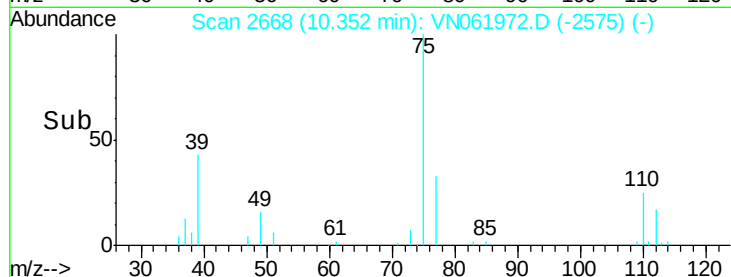
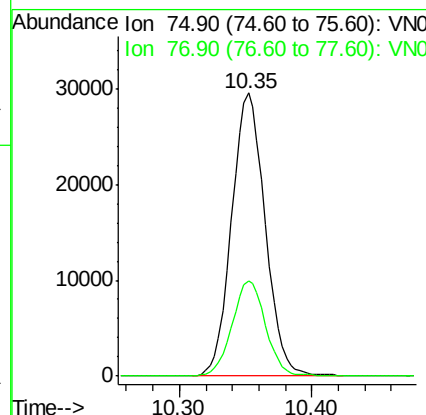
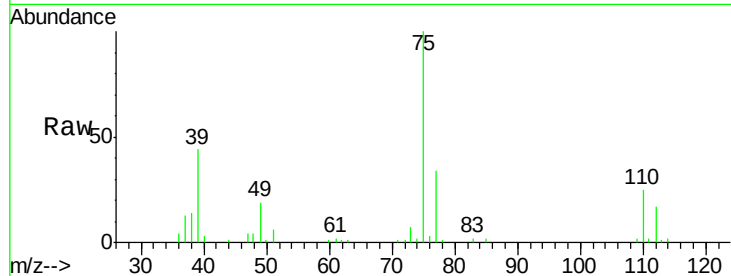
#53  
t-1,3-Dichloropropene  
Concen: 20.693 ug/l  
RT: 10.35 min Scan# 2668  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0619WBSD02

Tot Ion: 75 Resp: 51860  
Ion Ratio Lower Upper  
75 100  
77 33.7 26.3 39.5

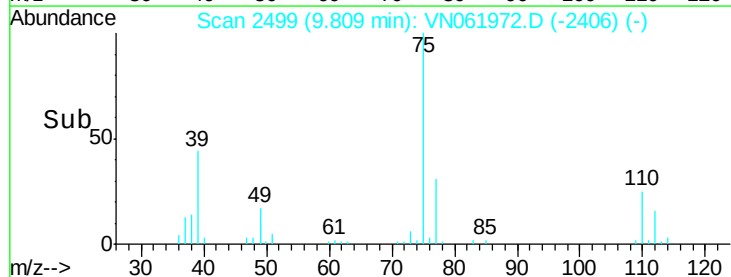
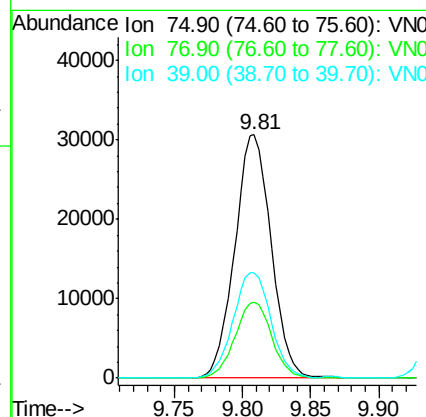
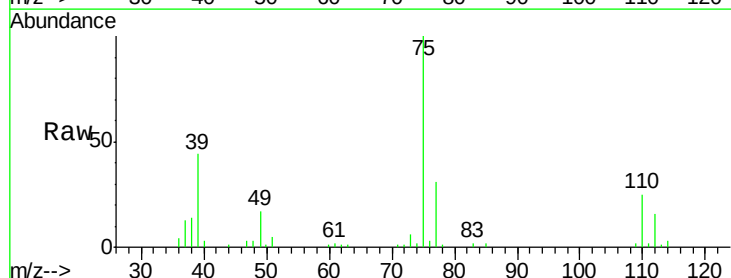
Manual Integrations  
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6/22/2020 10:30:14 AM

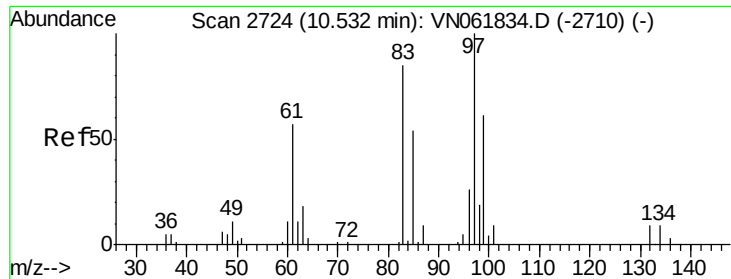


#54  
cis-1,3-Dichloropropene  
Concen: 20.869 ug/l  
RT: 9.81 min Scan# 2499  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Tgt Ion: 75 Resp: 56808  
Ion Ratio Lower Upper  
75 100  
77 31.3 24.8 37.2  
39 43.5 35.4 53.0







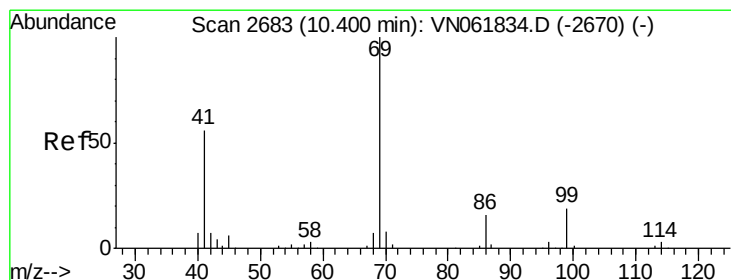
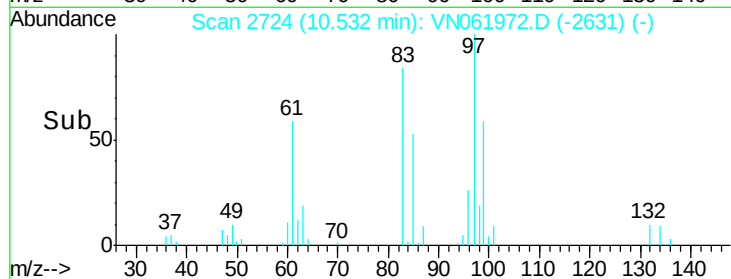
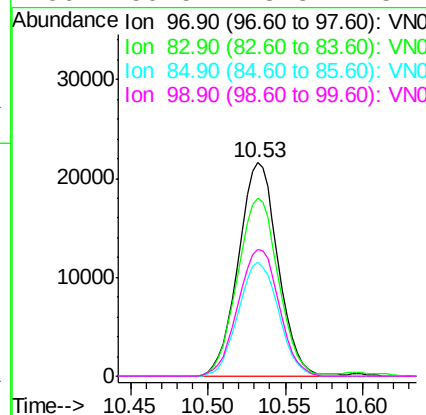
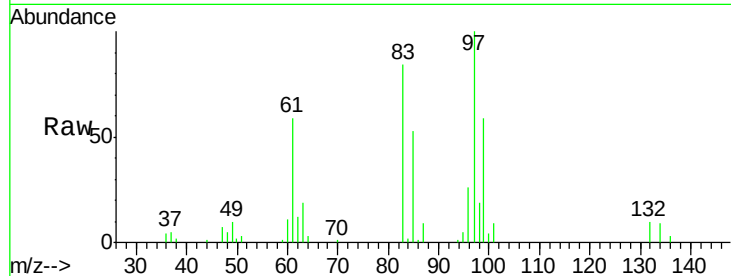
#55  
 1,1,2-Trichloroethane  
 Concen: 23.404 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0619WBSD02

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 38527 |       |       |
| 83      | 83.6 | 67.7  | 101.5 |       |       |
| 85      | 53.3 | 43.4  | 65.0  |       |       |
| 99      | 59.5 | 48.8  | 73.2  |       |       |

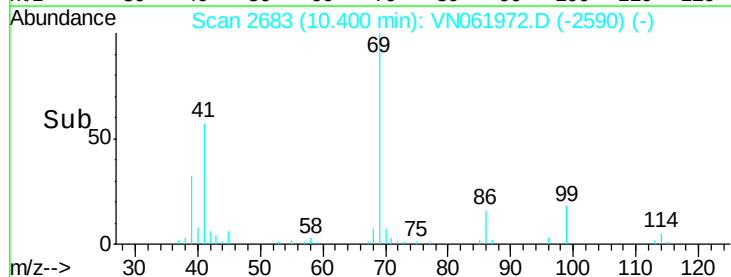
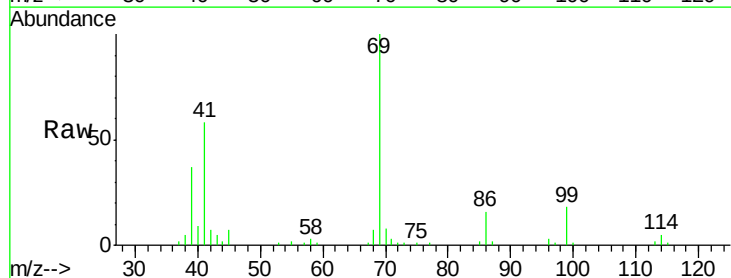
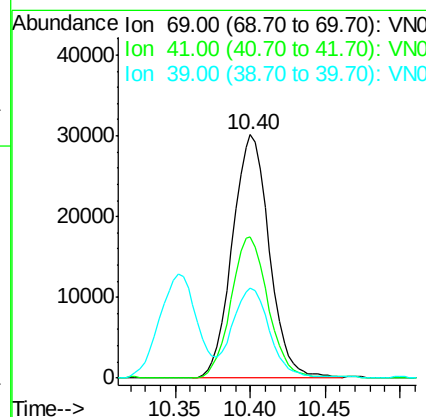
Manual Integrations  
 APPROVED

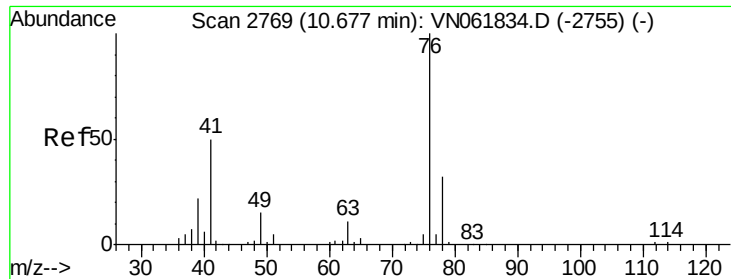
MMDadoda  
 6/22/2020 10:30:14 AM



#56  
 Ethyl methacrylate  
 Concen: 22.338 ug/l  
 RT: 10.40 min Scan# 2683  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 51883 |       |       |
| 41      | 58.5 | 44.9  | 67.3  |       |       |
| 39      | 37.8 | 30.0  | 45.0  |       |       |





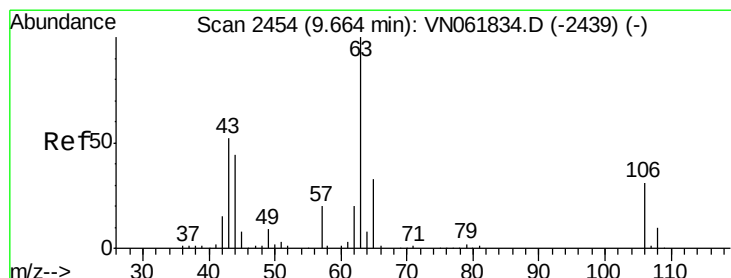
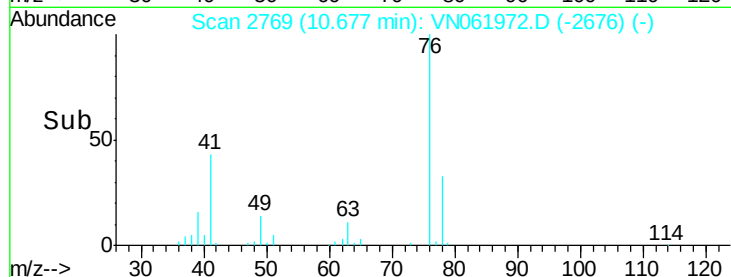
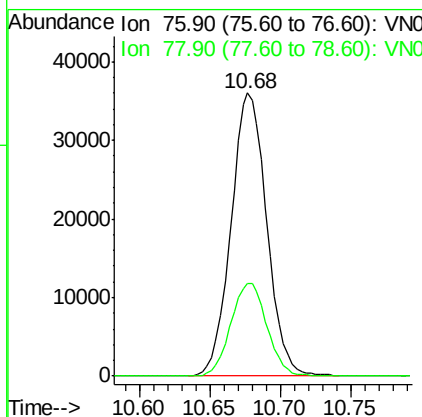
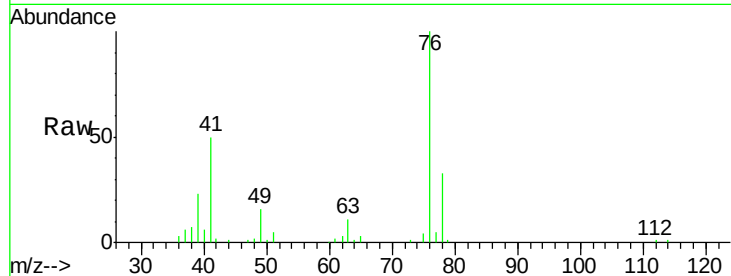
#57  
 1,3-Dichloropropane  
 Concen: 22.827 ug/l  
 RT: 10.68 min Scan# 2769  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.2  | 25.8  | 38.8  |

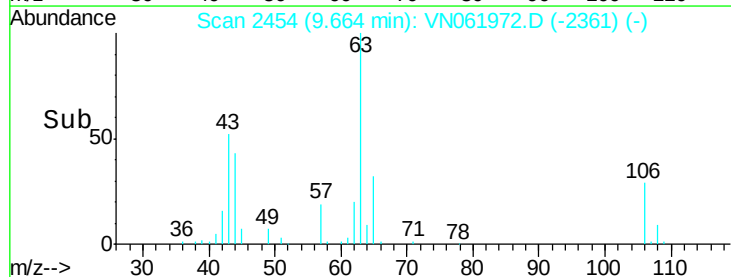
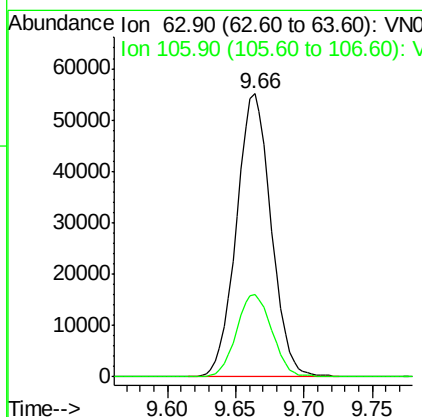
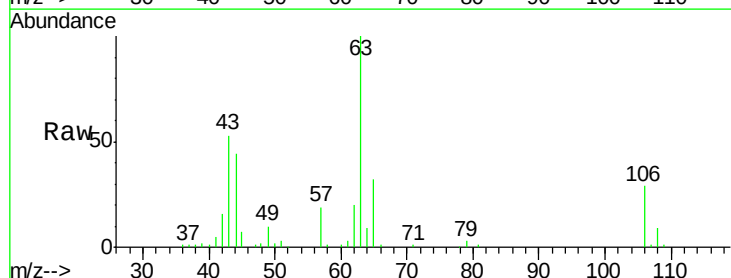
Manual Integrations  
 APPROVED

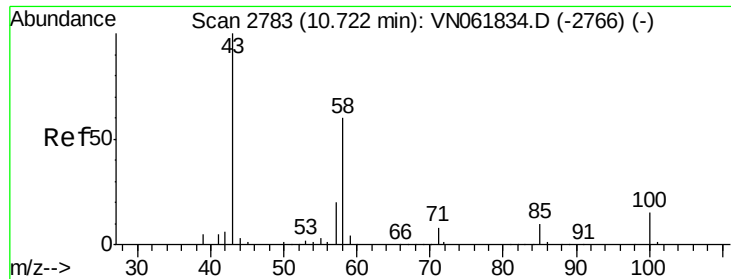
MMDadoda  
 6/22/2020 10:30:14 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 112.056 ug/l  
 RT: 9.66 min Scan# 2454  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.7  | 24.6  | 36.8  |





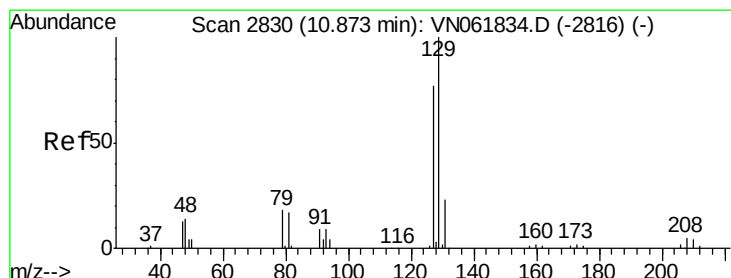
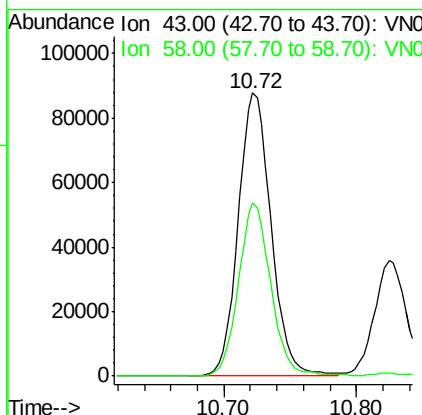
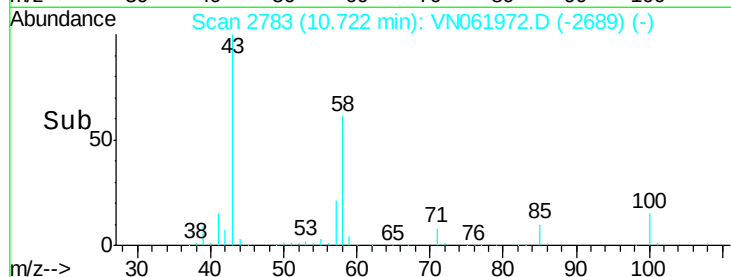
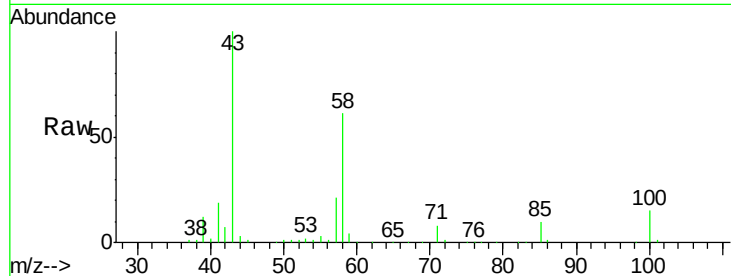
#59  
2-Hexanone  
Concen: 118.147 ug/l  
RT: 10.72 min Scan# 2783  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 60.1  | 30.1  | 90.5  |

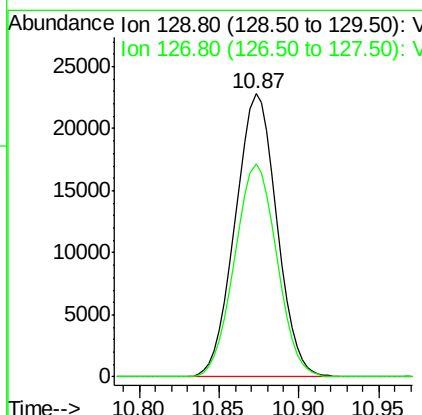
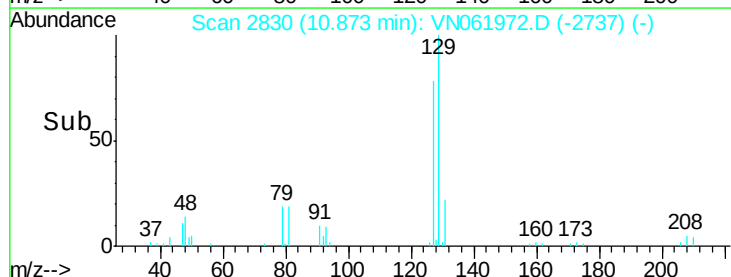
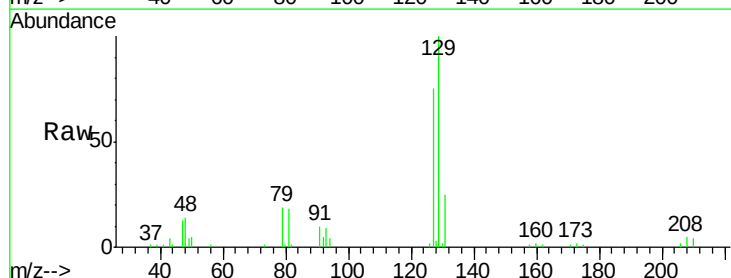
Manual Integrations  
APPROVED

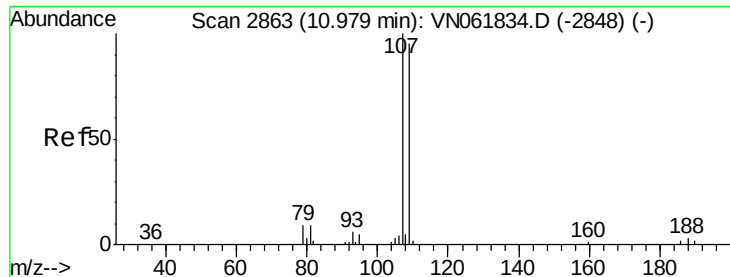
MMDadoda  
6/22/2020 10:30:14 AM



#60  
Dibromochloromethane  
Concen: 22.024 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.1  | 38.5  | 115.5 |





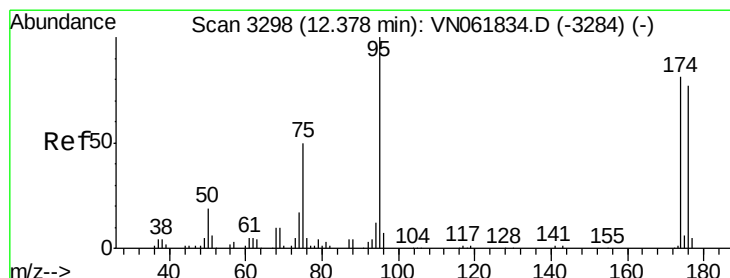
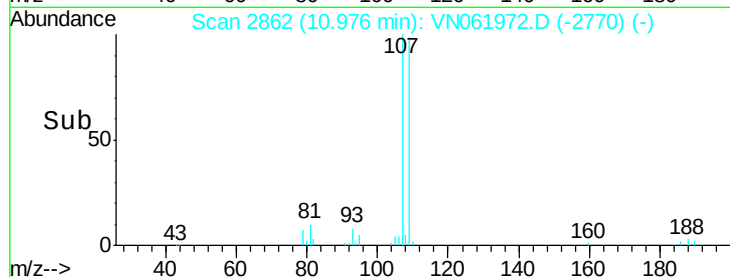
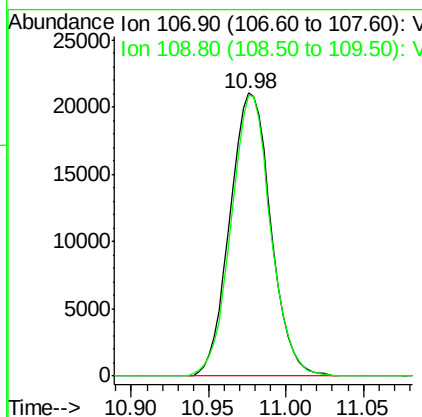
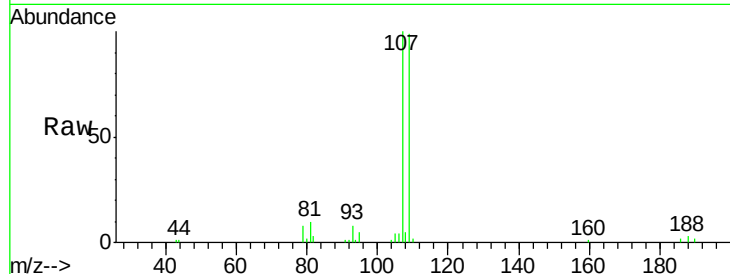
#61  
 1,2-Dibromoethane  
 Concen: 22.531 ug/l  
 RT: 10.98 min Scan# 2862  
 Delta R.T. -0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0619WBSD02

Tot Ion: 107 Resp: 38730  
 Ion Ratio Lower Upper  
 107 100  
 109 96.0 75.0 112.6

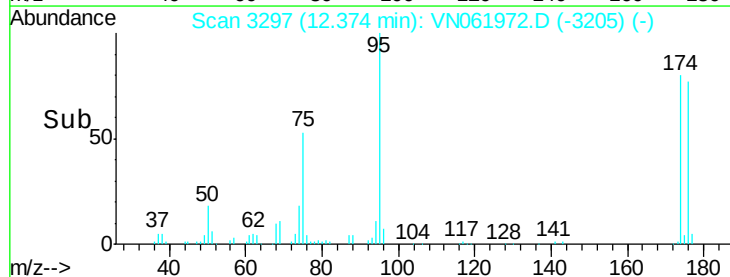
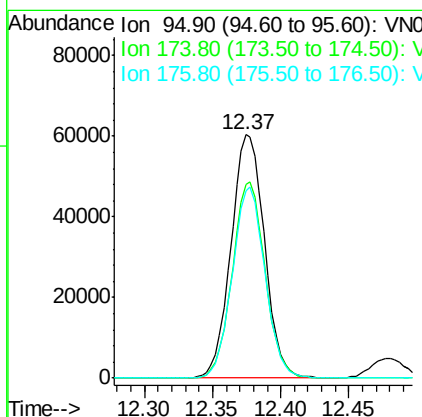
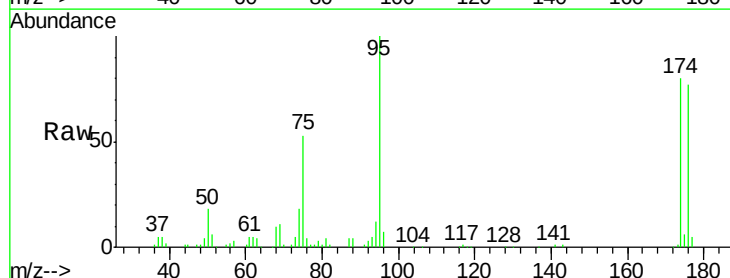
Manual Integrations  
 APPROVED

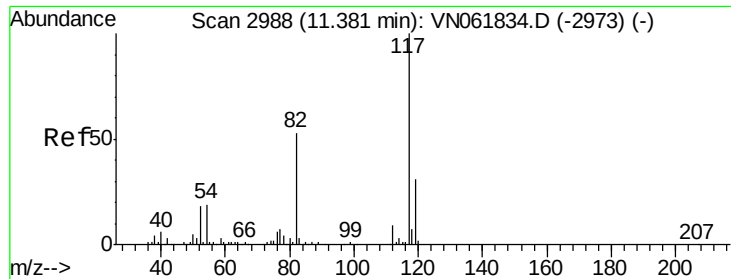
MMDadoda  
 6/22/2020 10:30:14 AM



#62  
 4-Bromofluorobenzene  
 Concen: 49.377 ug/l  
 RT: 12.37 min Scan# 3297  
 Delta R.T. -0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Tgt Ion: 95 Resp: 102713  
 Ion Ratio Lower Upper  
 95 100  
 174 78.8 0.0 158.6  
 176 76.5 0.0 152.0





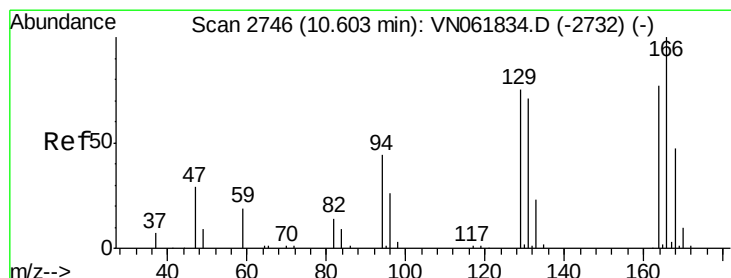
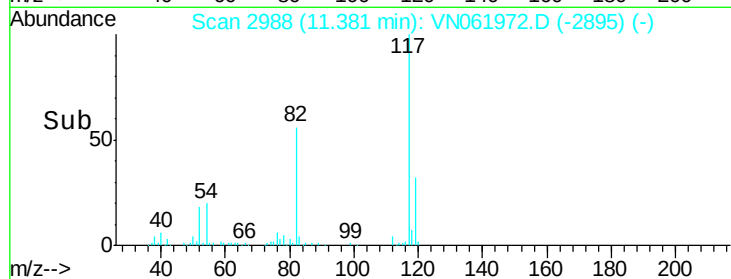
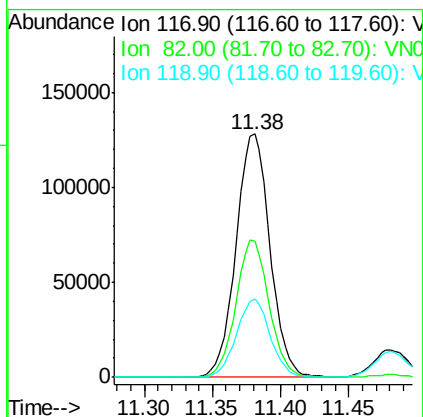
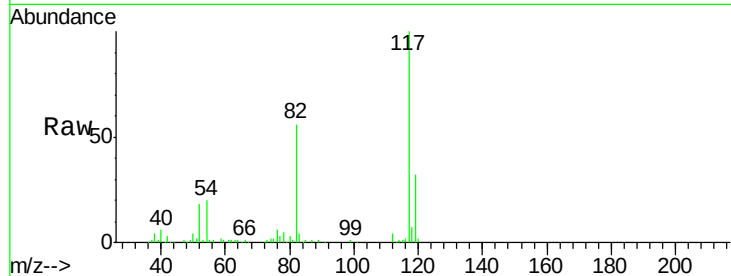
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 221338 |       |       |
| 82      | 55.8  | 42.6   | 64.0  |       |
| 119     | 32.1  | 24.7   | 37.1  |       |

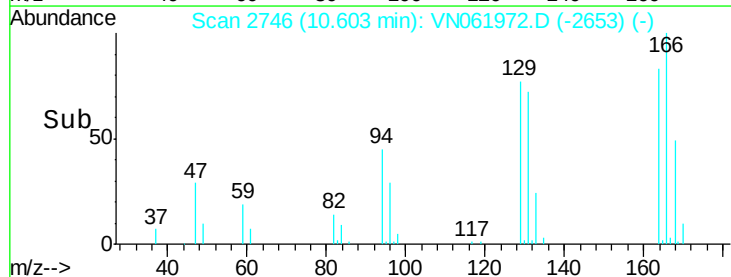
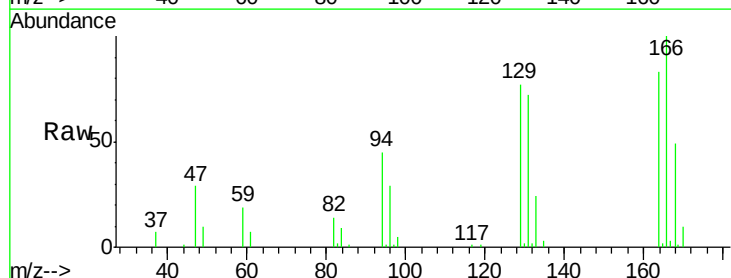
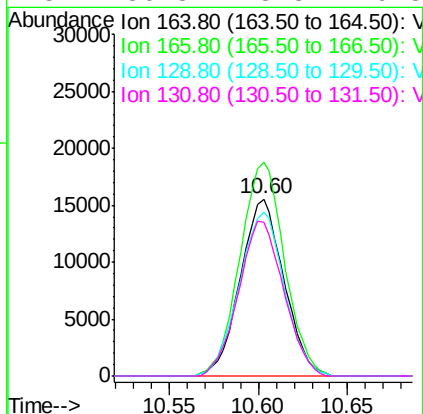
Manual Integrations  
APPROVED

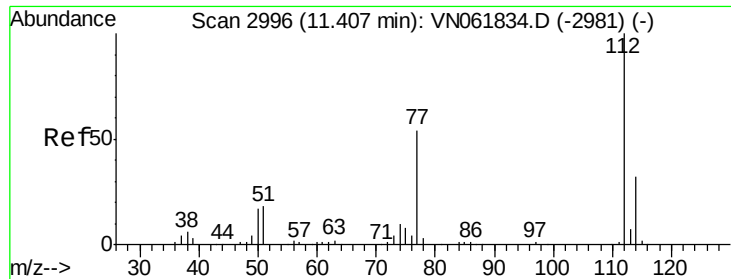
MMDadoda  
6/22/2020 10:30:14 AM



#64  
Tetrachloroethene  
Concen: 18.830 ug/l  
RT: 10.60 min Scan# 2746  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 26564 |       |       |
| 166     | 120.6 | 103.5 | 155.3 |       |
| 129     | 92.4  | 77.5  | 116.3 |       |
| 131     | 86.8  | 73.8  | 110.8 |       |





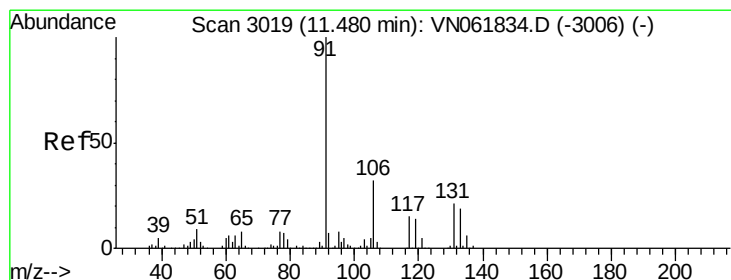
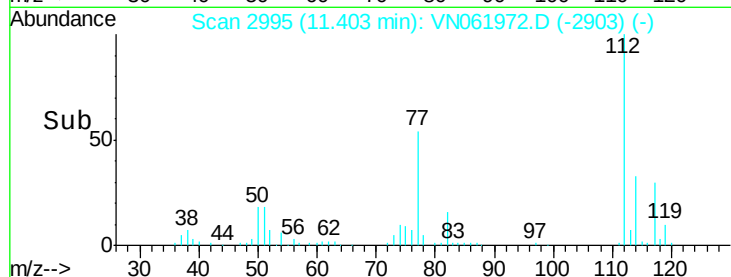
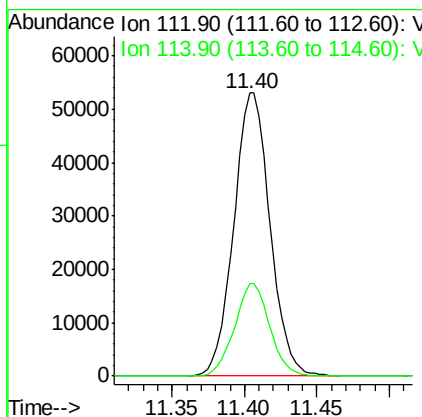
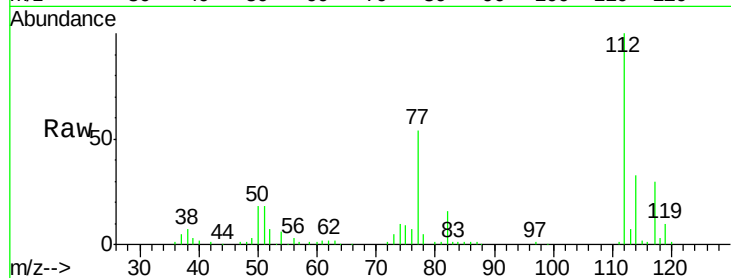
#65  
Chlorobenzene  
Concen: 19.659 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

Tot Ion:112 Resp: 91818  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.8 38.6

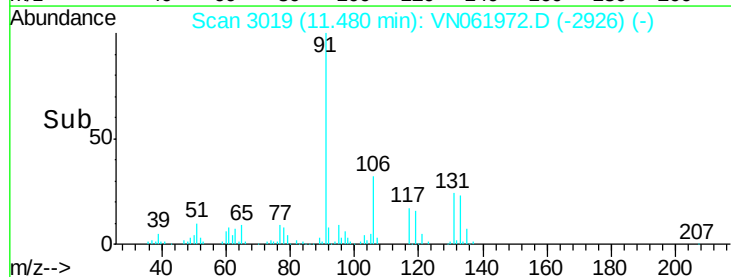
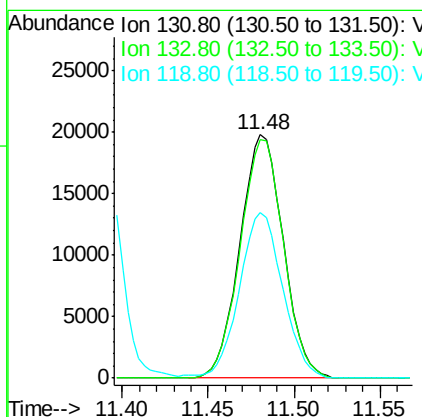
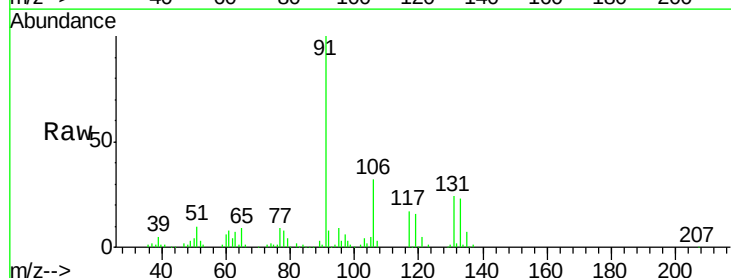
Manual Integrations  
APPROVED

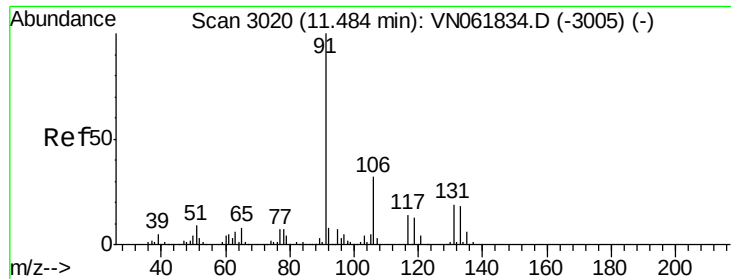
MMDadoda  
6/22/2020 10:30:14 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.250 ug/l  
RT: 11.48 min Scan# 3019  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Tgt Ion:131 Resp: 34614  
Ion Ratio Lower Upper  
131 100  
133 98.0 47.5 142.5  
119 67.8 34.0 101.8





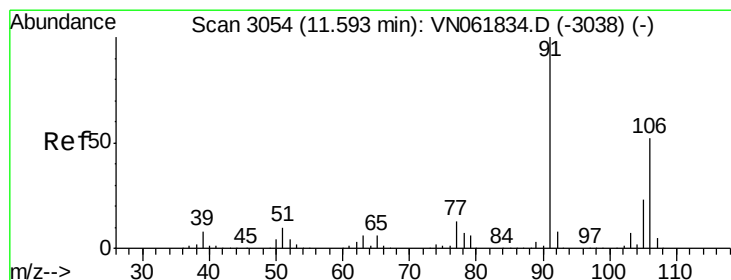
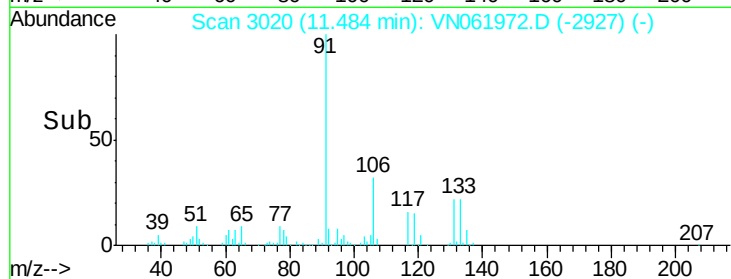
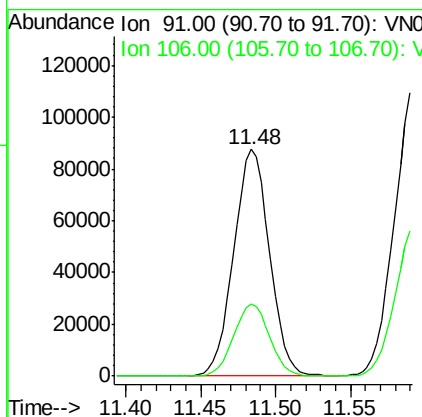
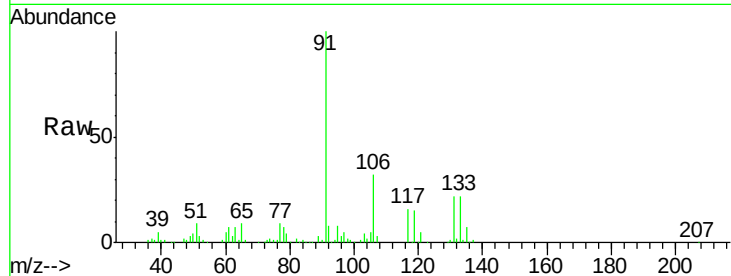
#67  
Ethyl Benzene  
Concen: 18.611 ug/l  
RT: 11.48 min Scan# 3020  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0619WBSD02

Tot Ion: 91 Resp: 145738  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.4 38.2

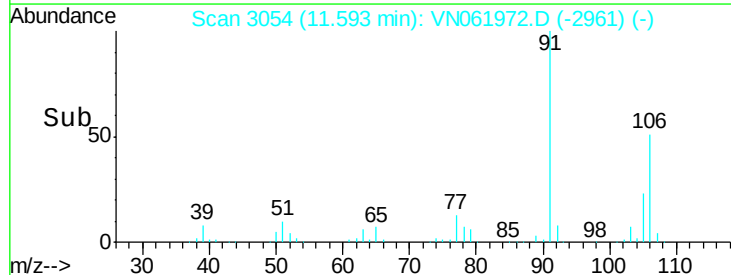
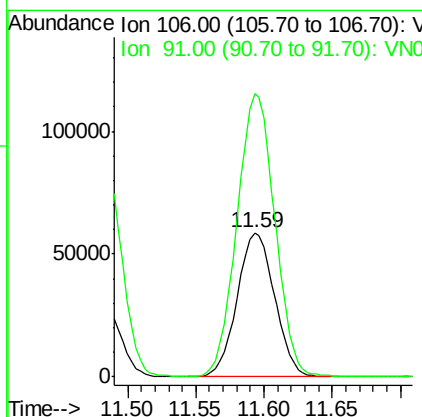
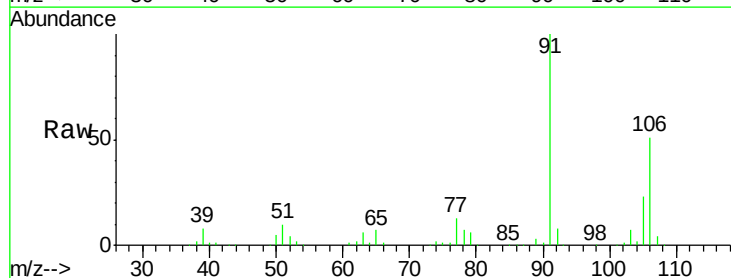
Manual Integrations  
APPROVED

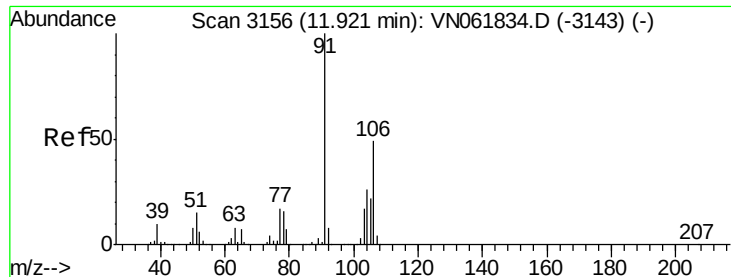
MMDadoda  
6/22/2020 10:30:14 AM



#68  
m/p-Xylenes  
Concen: 37.129 ug/l  
RT: 11.59 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Tgt Ion: 106 Resp: 112110  
Ion Ratio Lower Upper  
106 100  
91 199.2 157.0 235.6





#69

o-Xylene

Concen: 19.623 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

ClientSampled :

VN0619WBSD02

Tot Ion:106 Resp: 56536

Ion Ratio Lower Upper

106 100

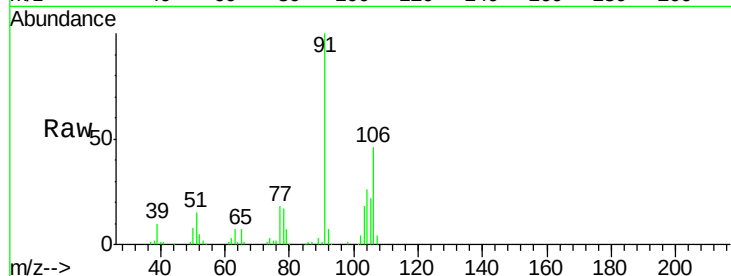
91 208.8 103.0 308.9

Manual Integrations

APPROVED

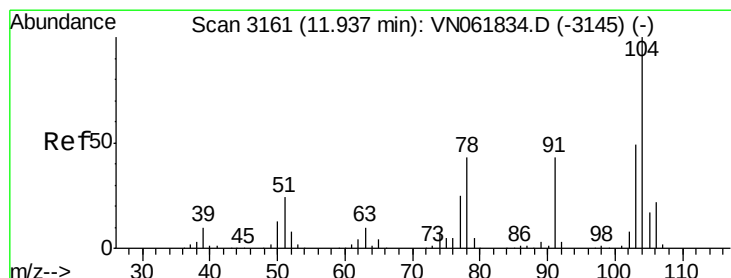
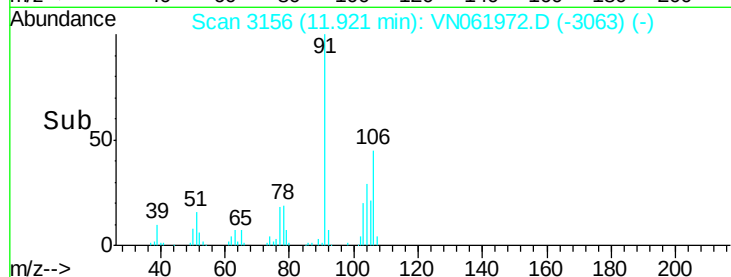
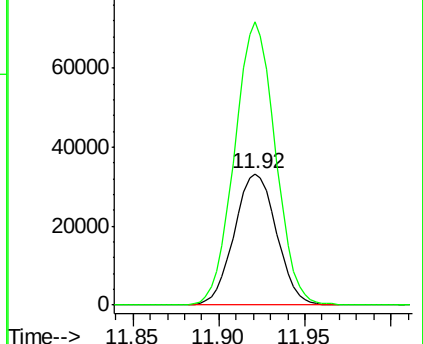
MMDadoda

6/22/2020 10:30:14 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.537 ug/l

RT: 11.94 min Scan# 3161

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

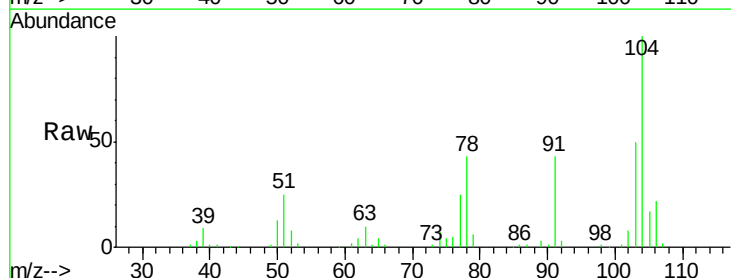
Tgt Ion:104 Resp: 94246

Ion Ratio Lower Upper

104 100

78 48.5 37.6 56.4

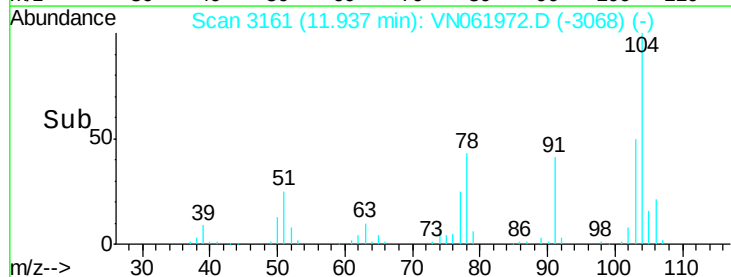
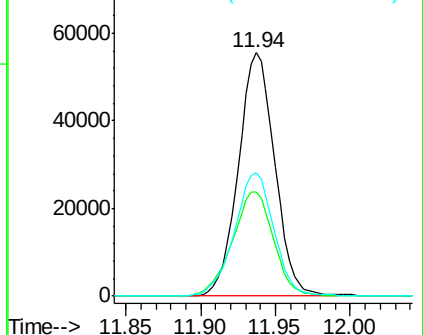
103 54.8 43.0 64.4



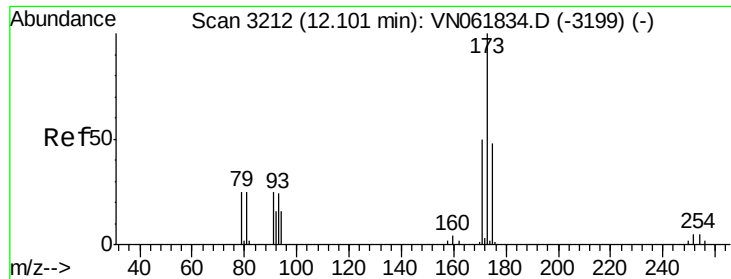
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V







#71

Bromoform

Concen: 22.846 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

ClientSampled :

VN0619WBSD02

Tot Ion:173 Resp: 27134

Ion Ratio Lower Upper

173 100

175 47.1 23.9 71.7

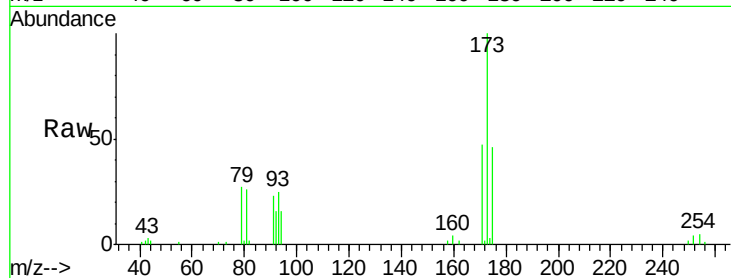
254 0.0 0.0 0.0

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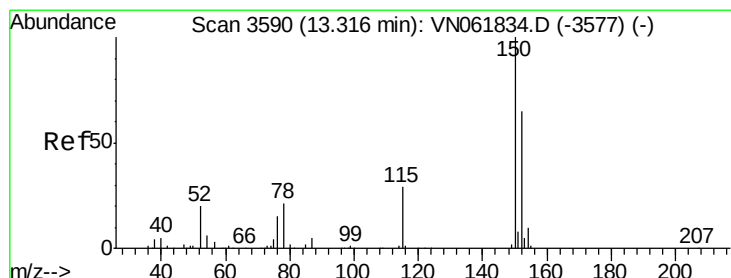
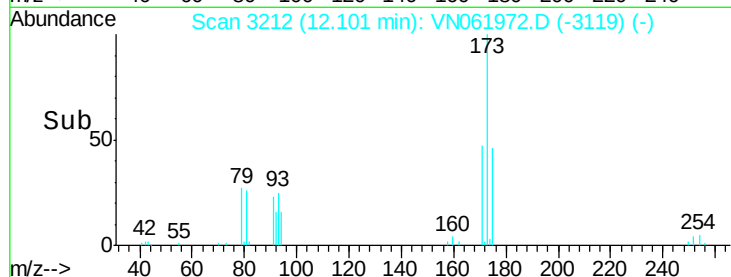
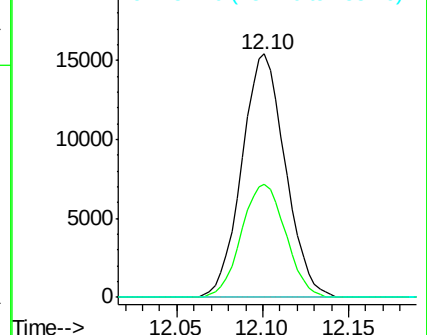
6/22/2020 10:30:14 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

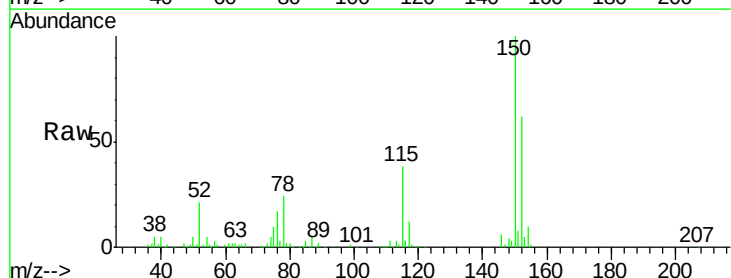
Tgt Ion:152 Resp: 95183

Ion Ratio Lower Upper

152 100

115 59.4 29.1 87.3

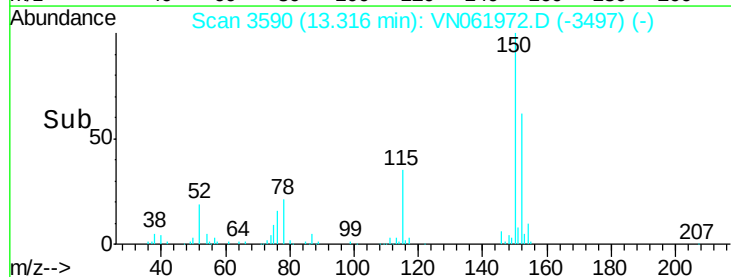
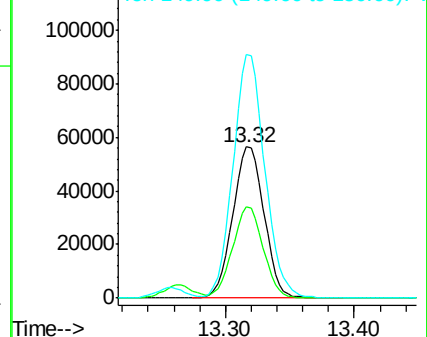
150 163.9 0.0 347.6

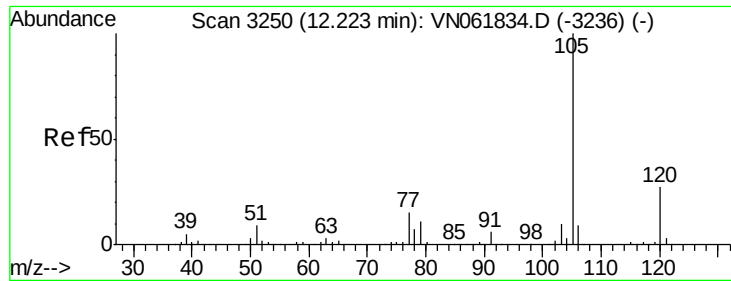


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





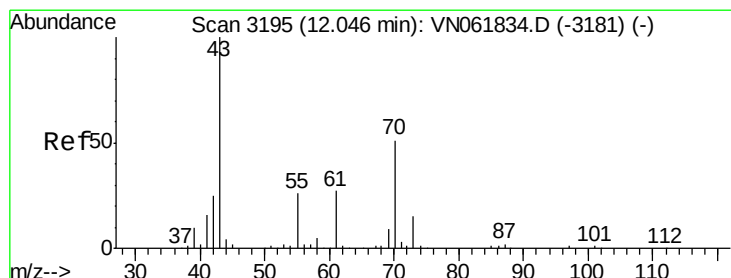
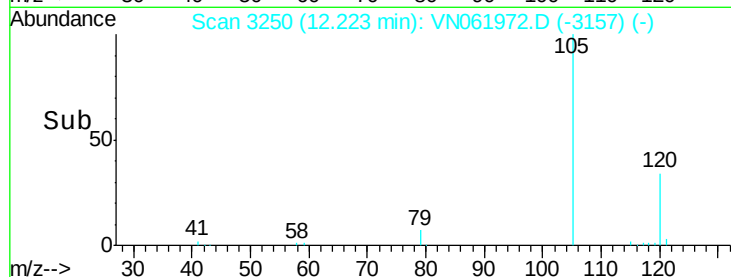
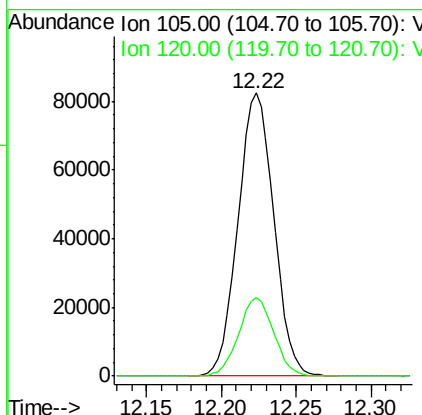
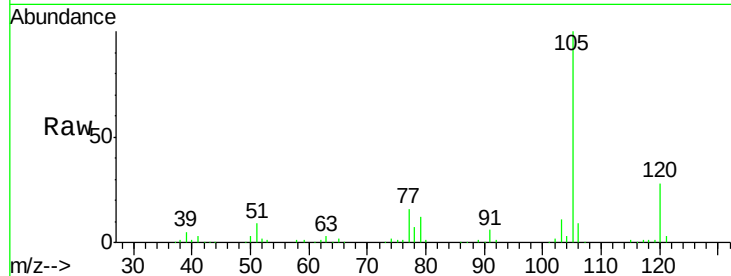
#73  
Isopropylbenzene  
Concen: 20.316 ug/l  
RT: 12.22 min Scan# 3250  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.1  | 13.3  | 39.8  |

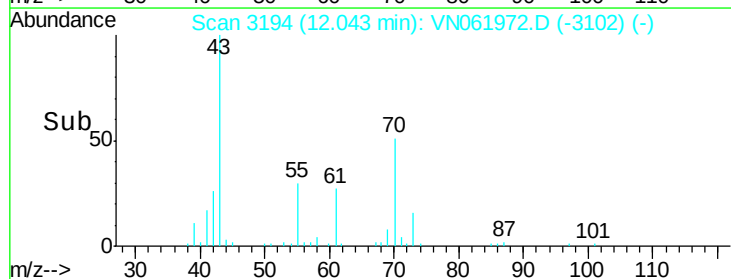
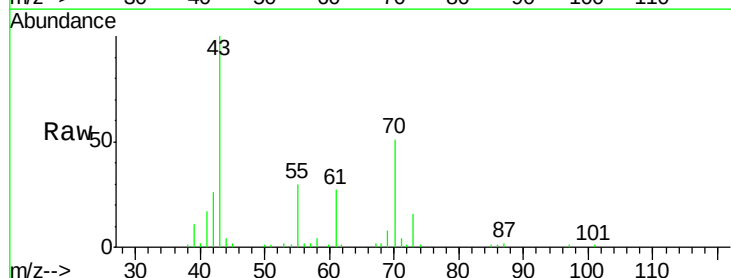
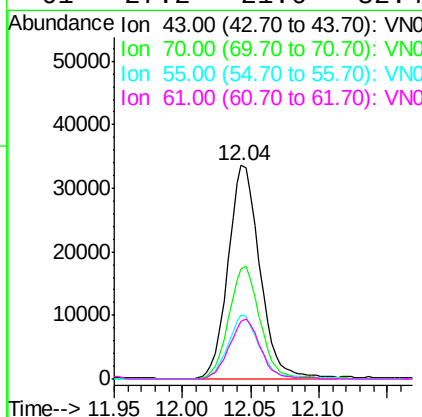
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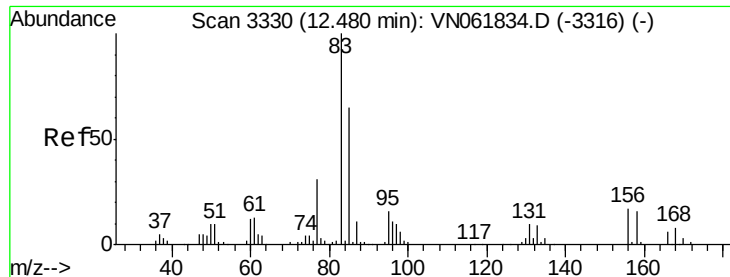
MMDadoda  
6/22/2020 10:30:14 AM



#74  
N-ethyl acetate  
Concen: 24.092 ug/l  
RT: 12.04 min Scan# 3194  
Delta R.T. -0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 51.6  | 40.6  | 60.8  |
| 55      | 29.4  | 21.5  | 32.3  |
| 61      | 27.2  | 21.6  | 32.4  |





#75

1,1,2,2-Tetrachloroethane

Concen: 26.165 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

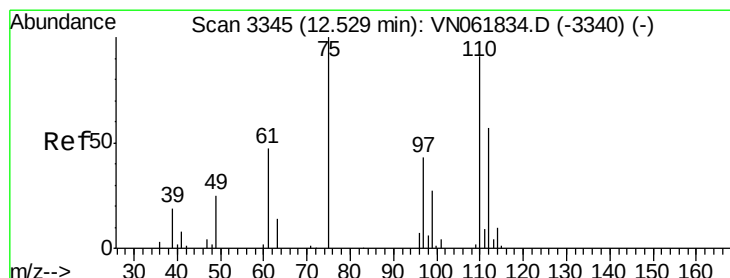
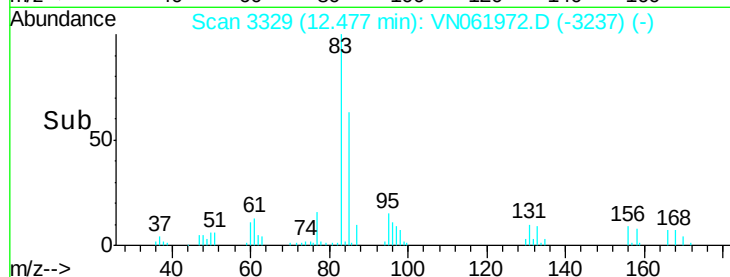
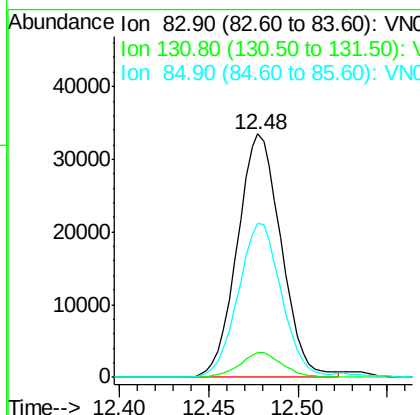
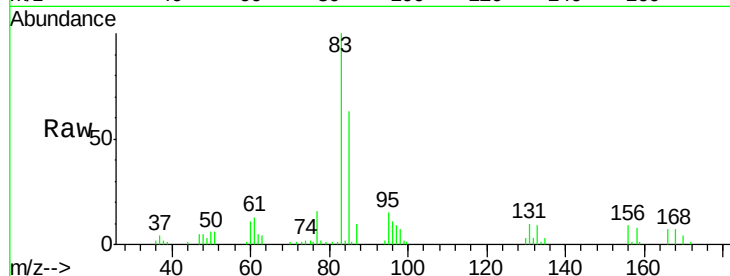
ClientSampleId :

VN0619WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 57538 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 9.7   | 5.0   | 15.0  |
| 85        | 62.6  | 32.4  | 97.2  |

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#76

1,2,3-Trichloropropane

Concen: 26.269 ug/l m

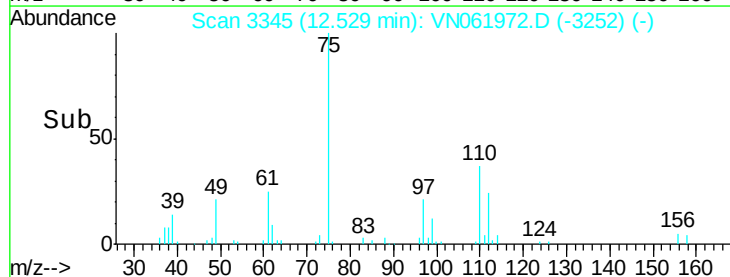
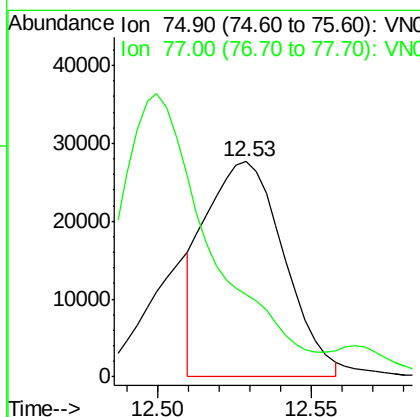
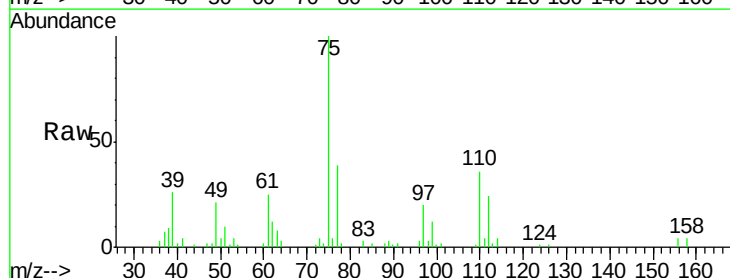
RT: 12.53 min Scan# 3345

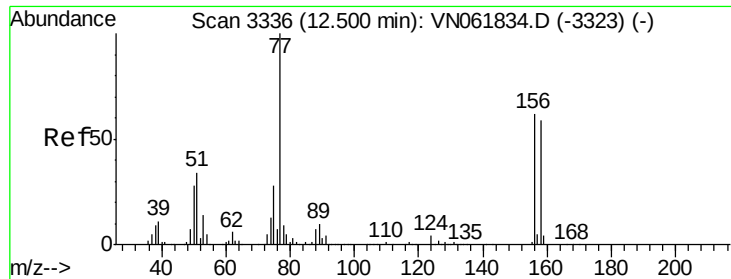
Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 49088 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 21.853 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

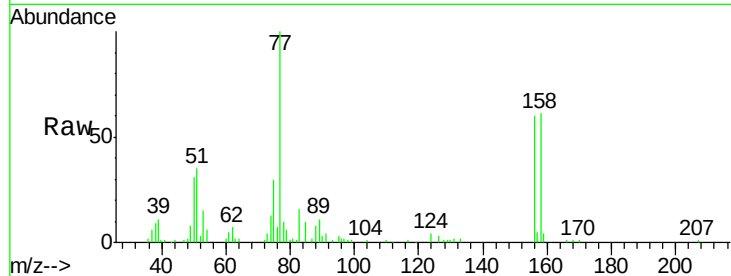
ClientSampleId :

VN0619WBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 156   | Resp: | 37290 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 210.6 | 100.7 | 302.1 |
| 158      | 98.1  | 48.5  | 145.5 |

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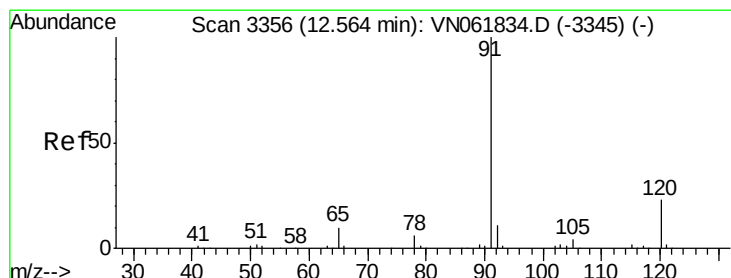
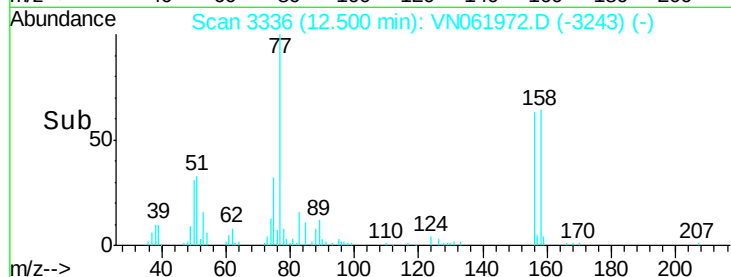
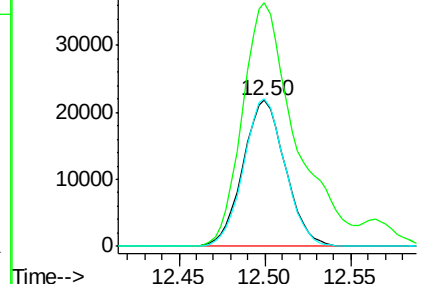
MMDadoda  
6/22/2020 10:30:14 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.541 ug/l

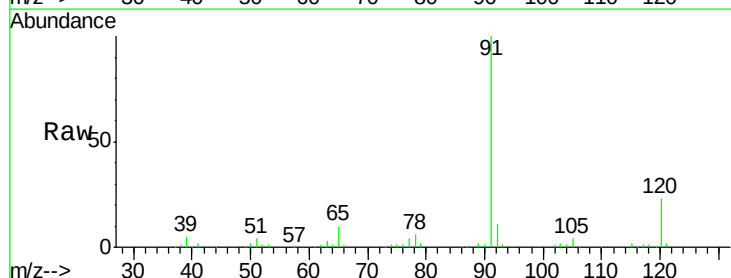
RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061972.D

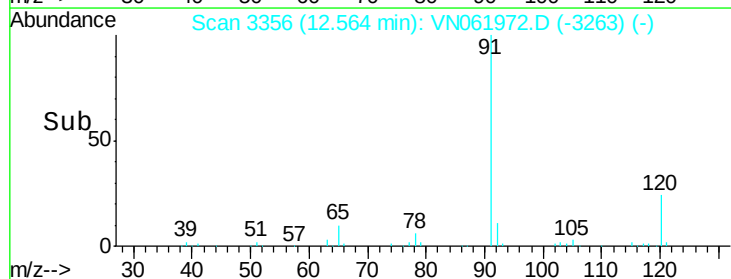
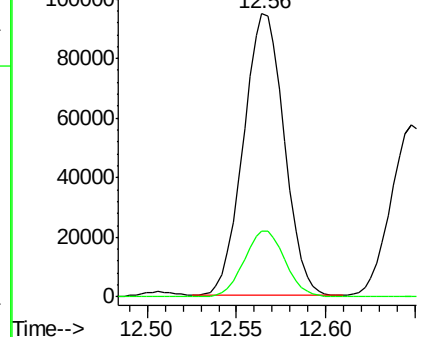
Acq: 20 Jun 2020 3:15

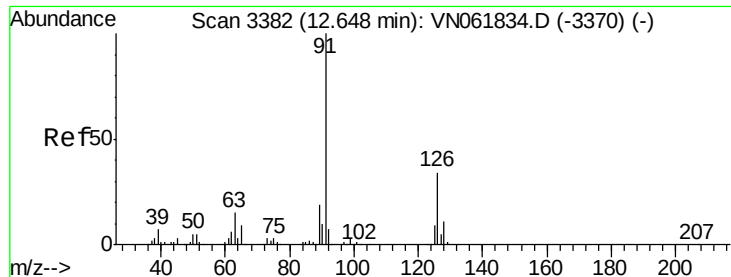
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 150810 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 23.3  | 11.6  | 34.8   |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.667 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

ClientSampled :

VN0619WBSD02

Tot Ion: 91 Resp: 95795

Ion Ratio Lower Upper

91 100

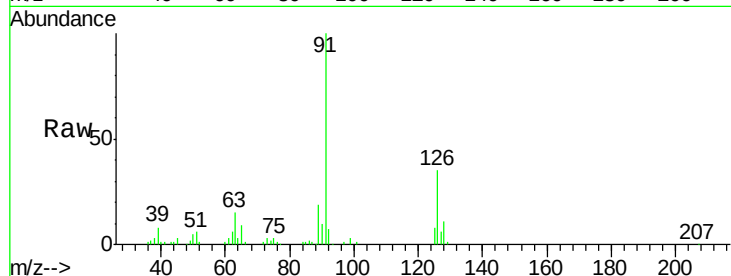
126 34.6 17.3 51.7

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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061834.D (-3370) (-)

80000

60000

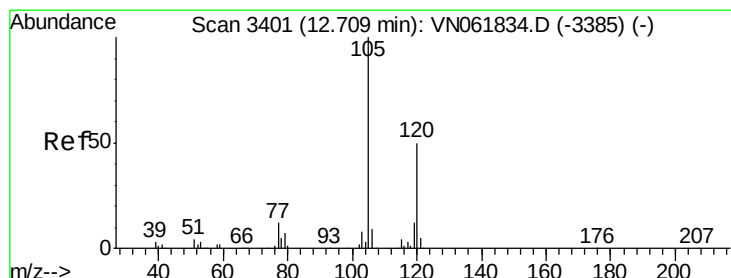
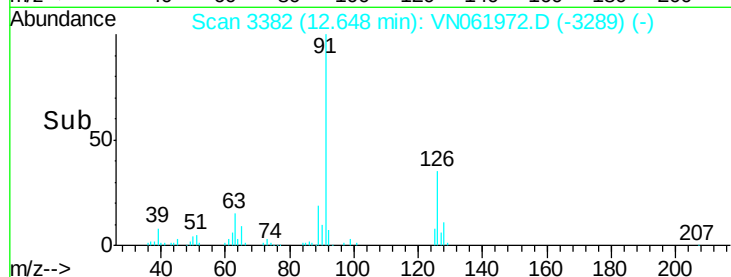
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.440 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061972.D

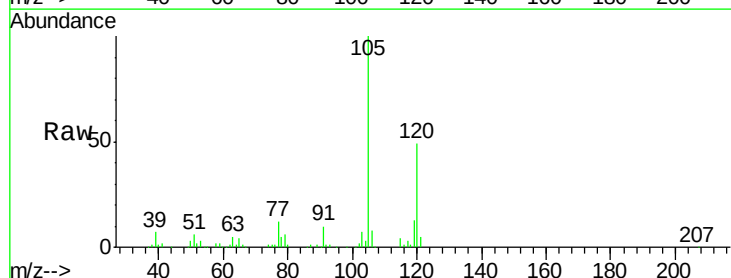
Acq: 20 Jun 2020 3:15

Tgt Ion: 105 Resp: 114378

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061834.D (-3385) (-)

80000

60000

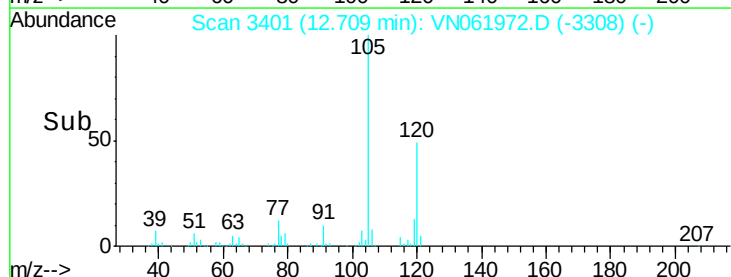
40000

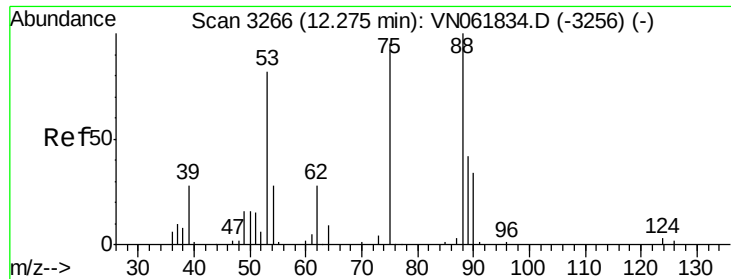
20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.283 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

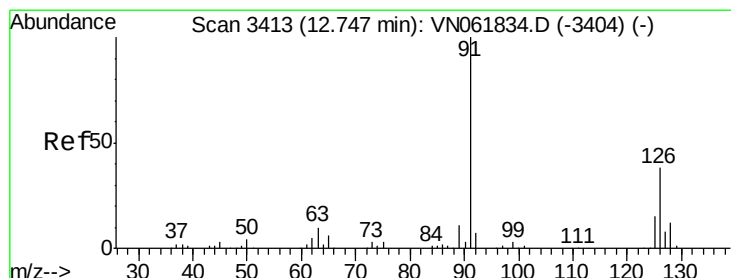
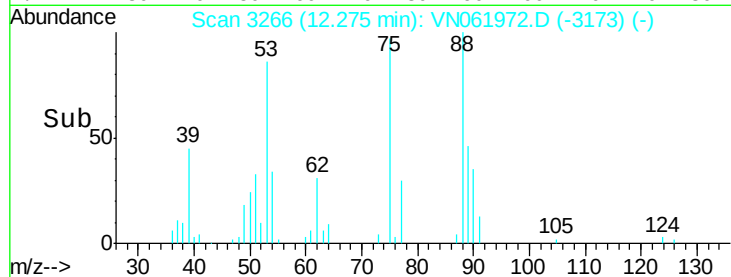
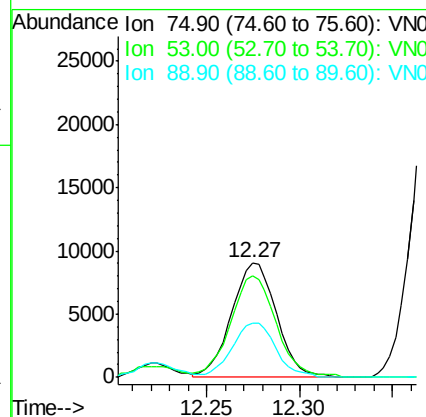
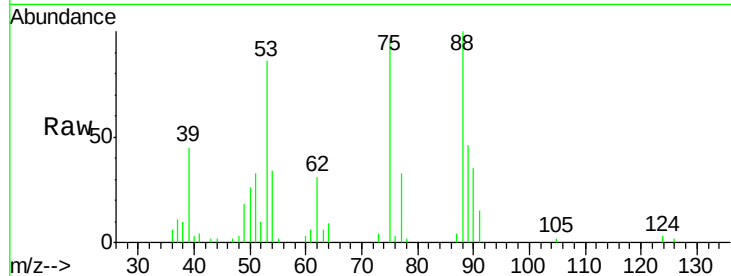
ClientSampleId :

VN0619WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 15267 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 90.5  | 70.4  | 105.6 |
| 89        | 46.2  | 36.0  | 54.0  |

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#82

4-Chlorotoluene

Concen: 20.645 ug/l

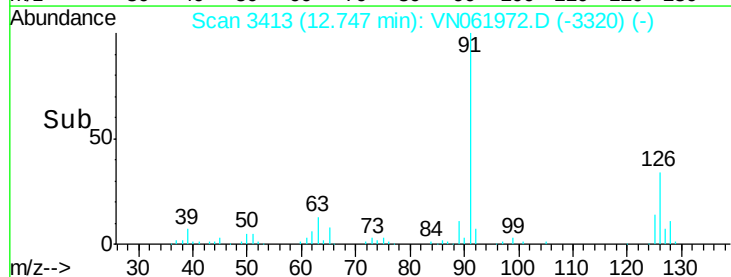
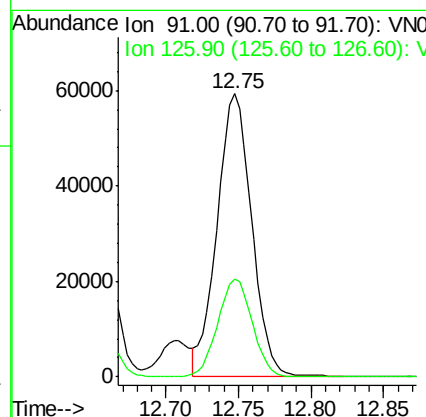
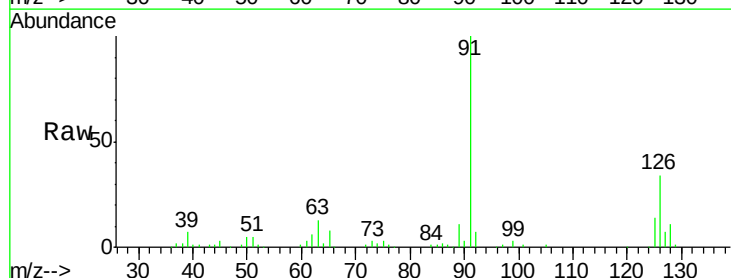
RT: 12.75 min Scan# 3413

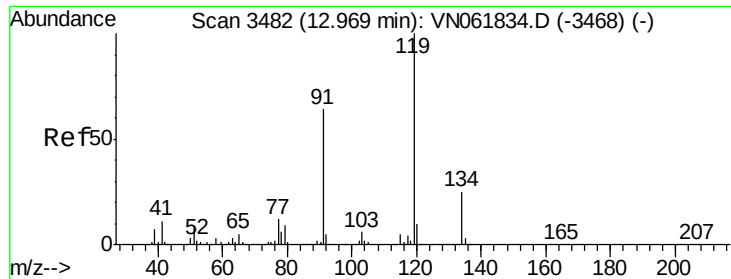
Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 98884 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 126       | 34.2  | 17.2  | 51.6  |





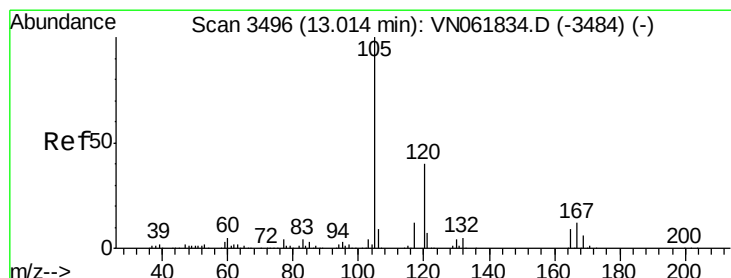
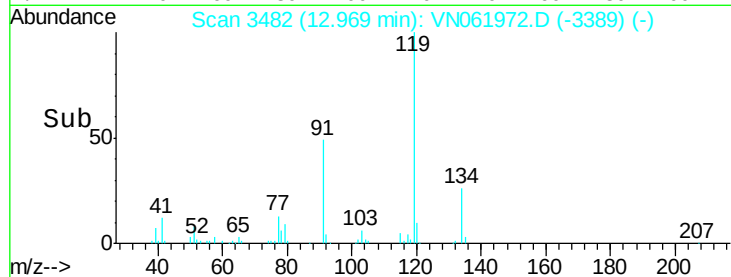
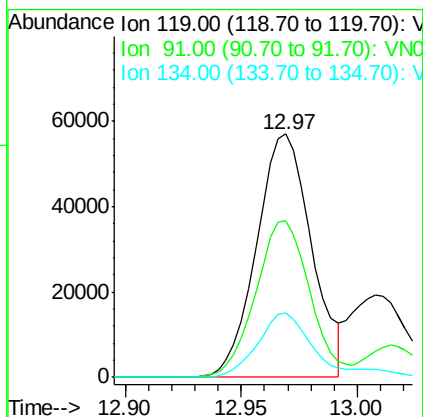
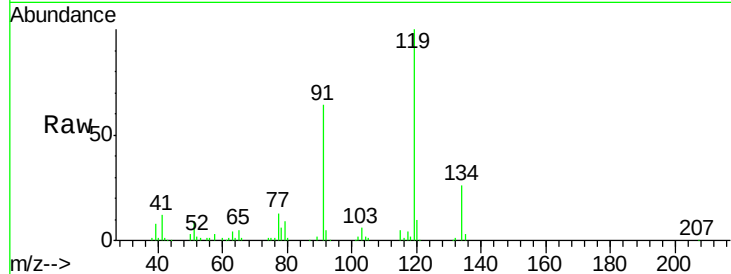
#83  
 tert-Butylbenzene  
 Concen: 19.796 ug/l  
 RT: 12.97 min Scan# 3482  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0619WBSD02

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 119     | 100   | 93910 |       |       |
| 91      | 63.8  |       | 31.5  | 94.5  |
| 134     | 25.6  |       | 13.3  | 39.9  |

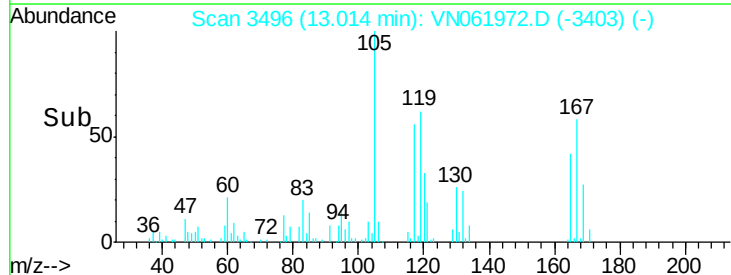
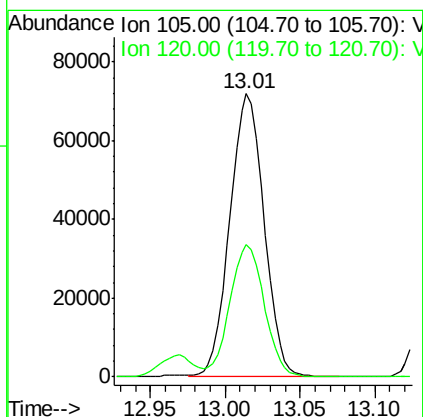
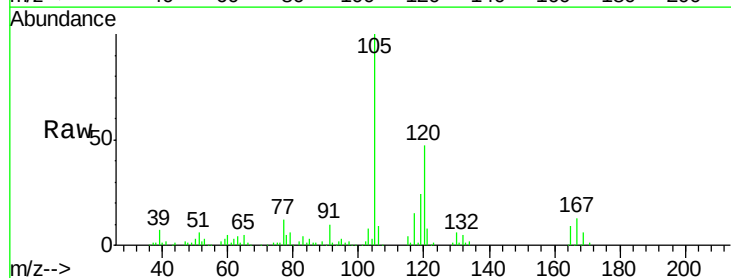
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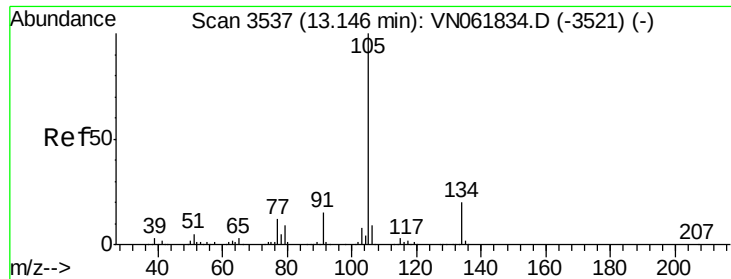
MMDadoda  
 6/22/2020 10:30:14 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.822 ug/l  
 RT: 13.01 min Scan# 3496  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 115015 |       |       |
| 120     | 47.0  |        | 23.3  | 69.9  |





#85

sec-Butylbenzene

Concen: 19.425 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

Instrument :

MSVOA\_N

ClientSampleId :

VN0619WBSD02

Tot Ion:105 Resp: 120619

Ion Ratio Lower Upper

105 100

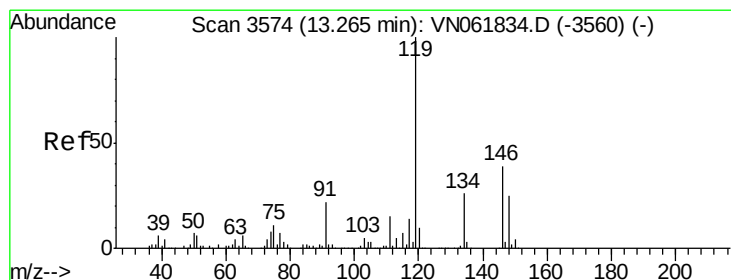
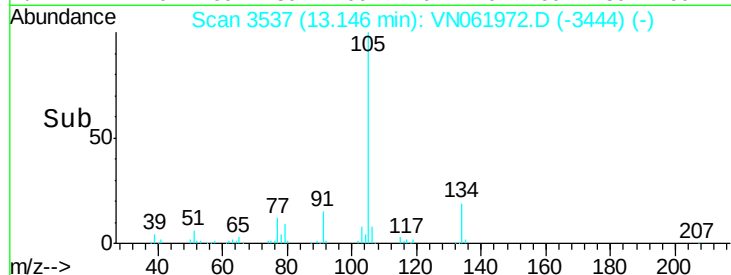
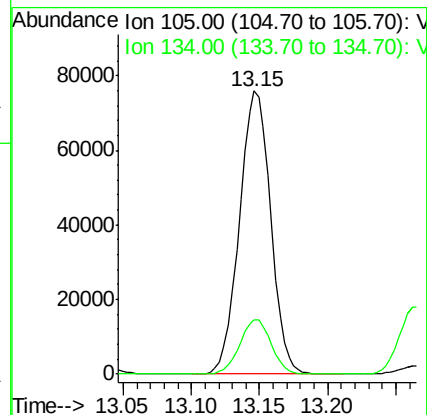
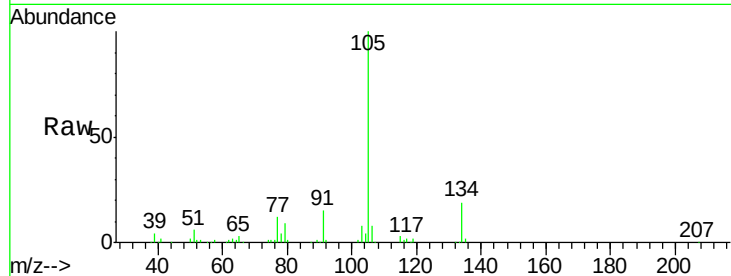
134 19.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 19.235 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061972.D

Acq: 20 Jun 2020 3:15

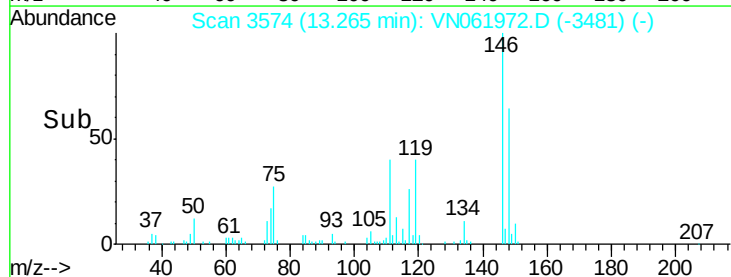
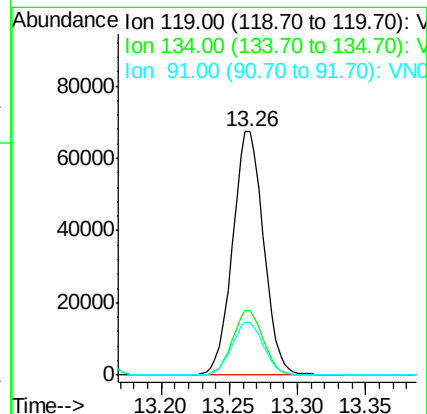
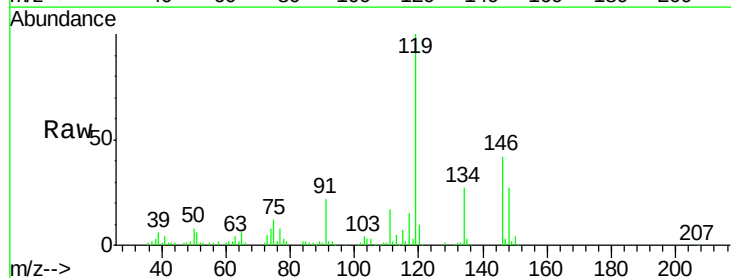
Tgt Ion:119 Resp: 106427

Ion Ratio Lower Upper

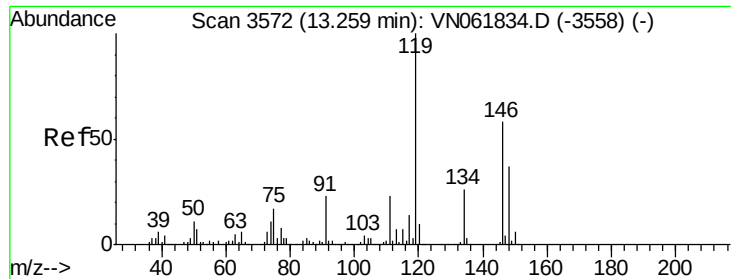
119 100

134 26.3 13.3 39.9

91 22.3 11.2 33.6







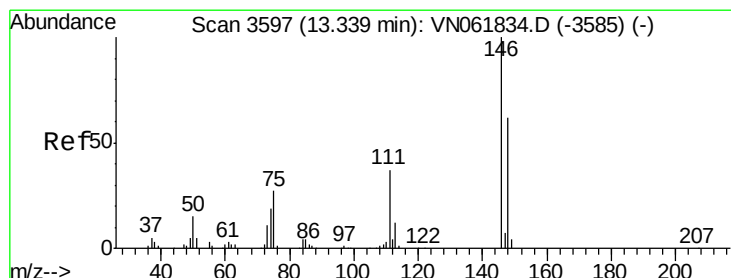
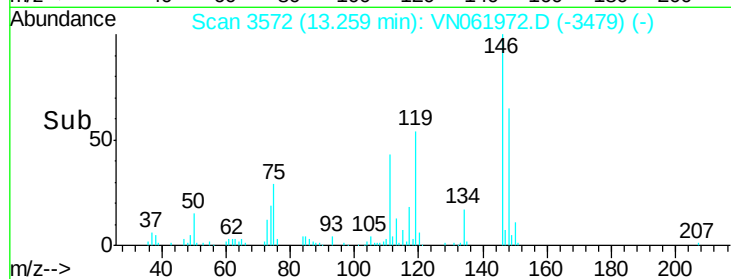
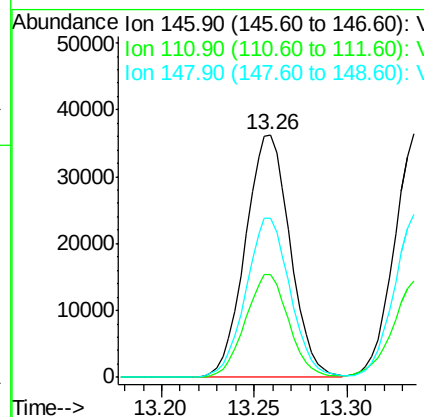
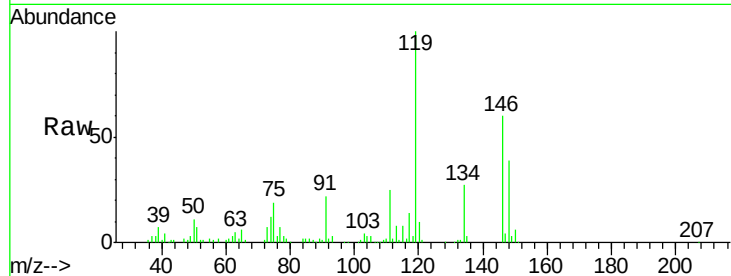
#87  
 1,3-Dichlorobenzene  
 Concen: 19.543 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.2  | 19.6  | 58.8  |
| 148     | 65.0  | 31.8  | 95.4  |

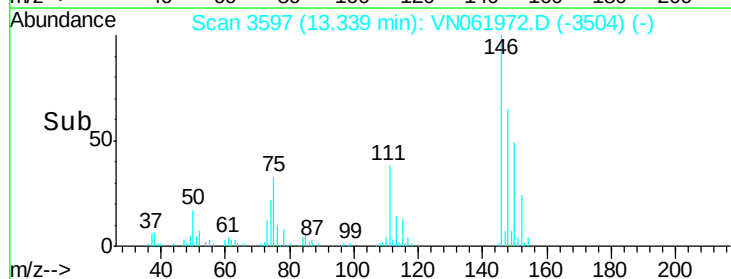
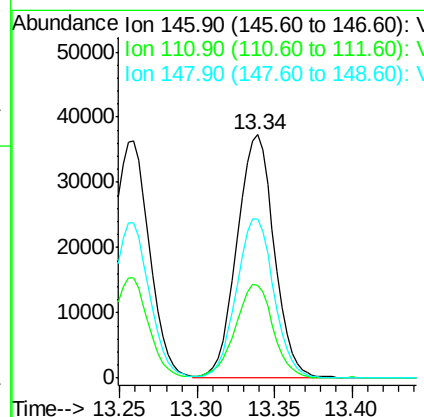
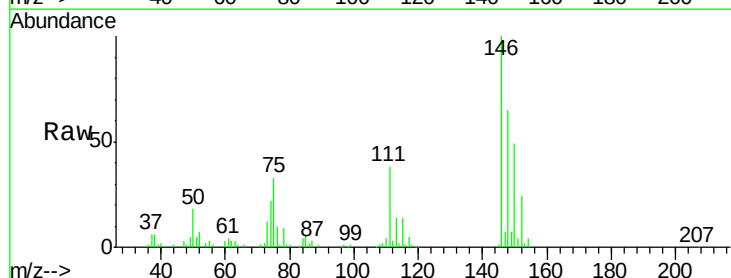
Manual Integrations  
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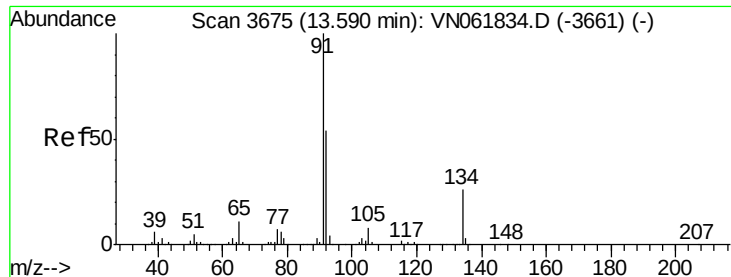
MMDadoda  
 6/22/2020 10:30:14 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.591 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.3  | 57.8  |
| 148     | 65.7  | 31.6  | 94.7  |





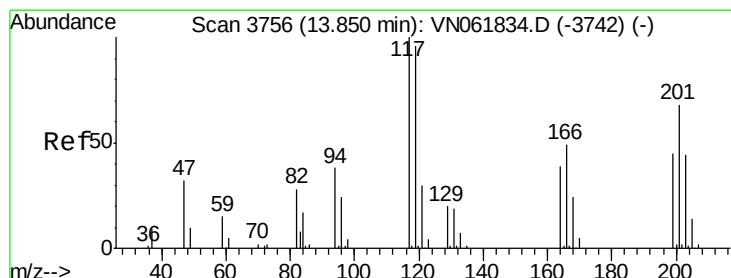
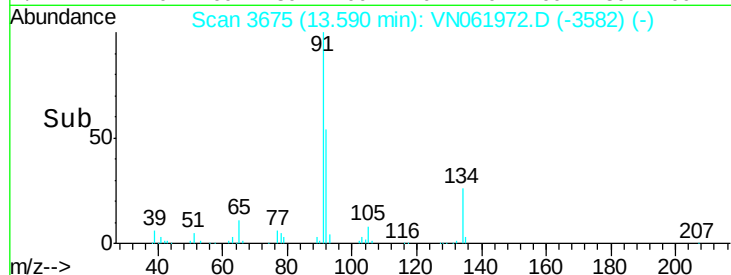
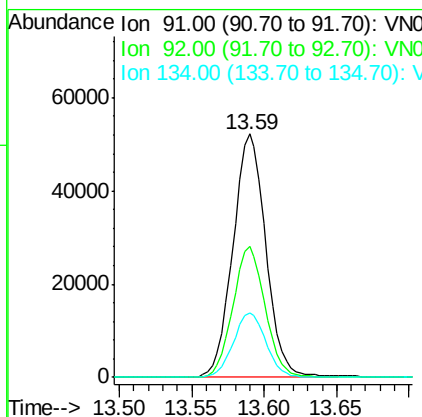
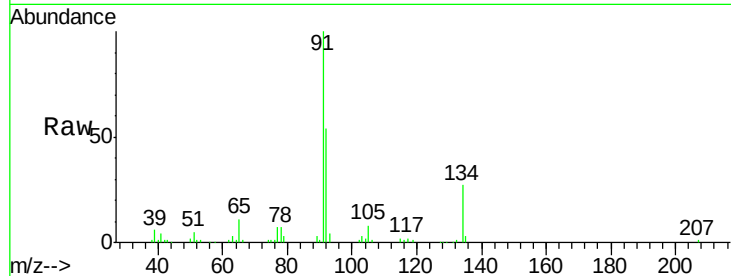
#89  
n-Butylbenzene  
Concen: 17.772 ug/l  
RT: 13.59 min Scan# 3675  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.7  | 27.0  | 80.8  |
| 134     | 26.4  | 13.0  | 39.0  |

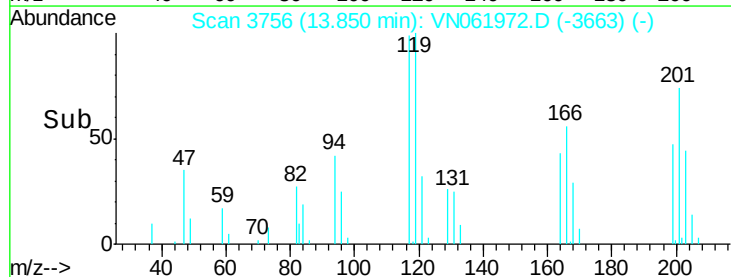
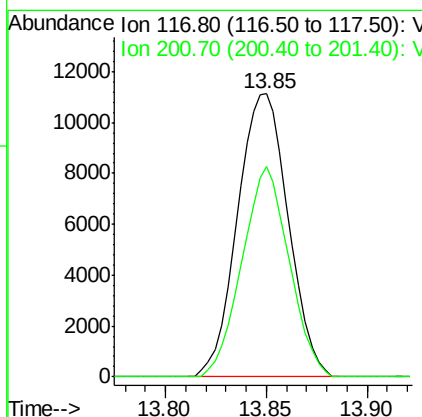
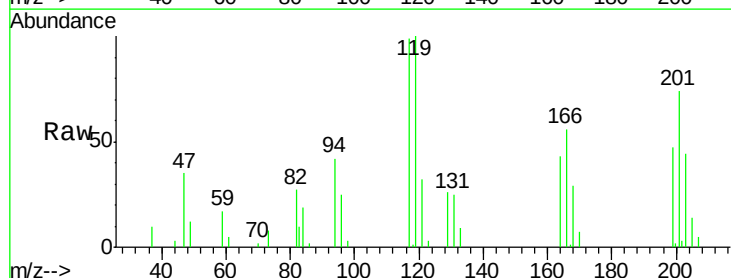
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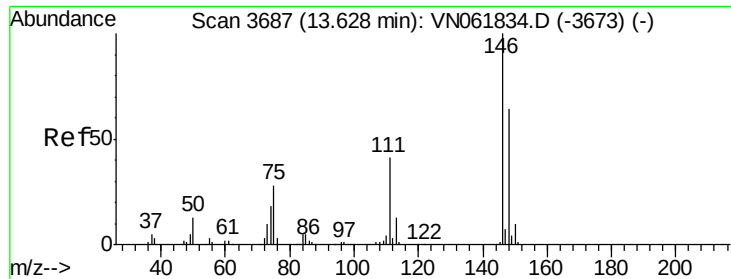
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#90  
Hexachloroethane  
Concen: 19.351 ug/l  
RT: 13.85 min Scan# 3756  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 68.8  | 34.6  | 103.8 |





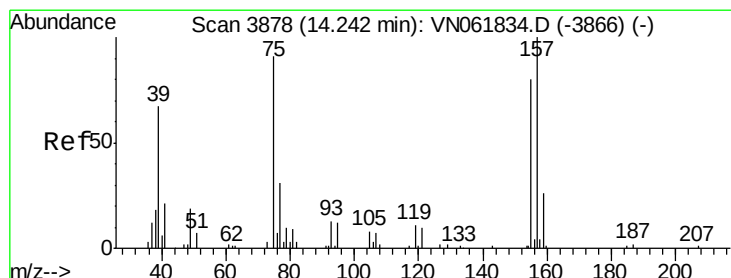
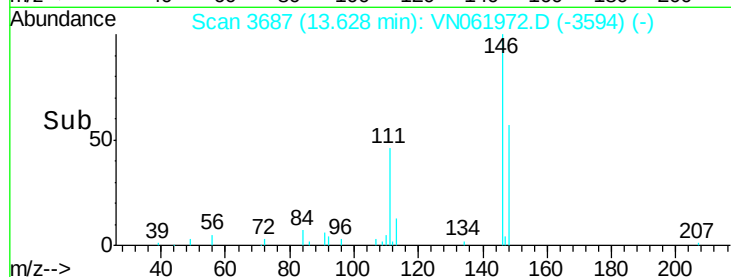
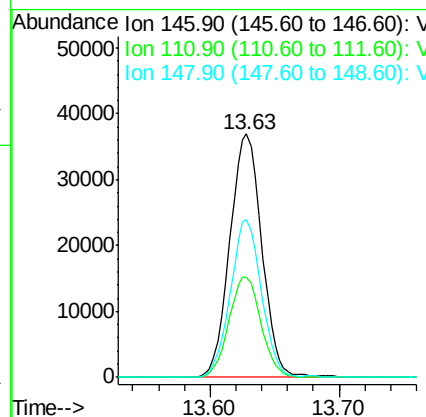
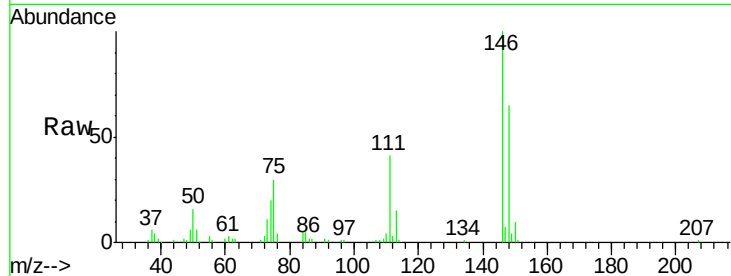
#91  
 1,2-Dichlorobenzene  
 Concen: 21.183 ug/l  
 RT: 13.63 min Scan# 3687  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0619WBSD02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.2  | 20.4  | 61.2  |
| 148     | 62.9  | 31.8  | 95.4  |

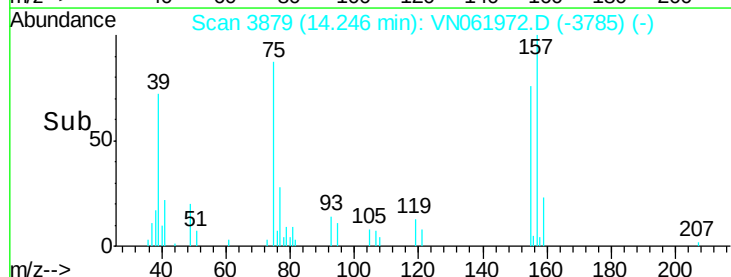
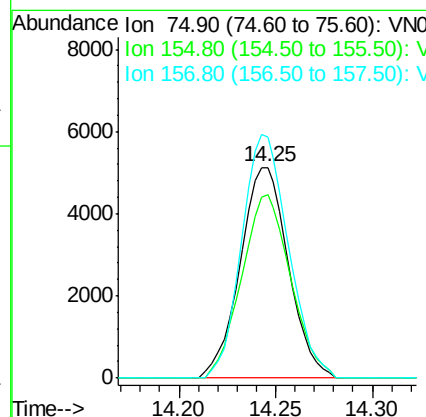
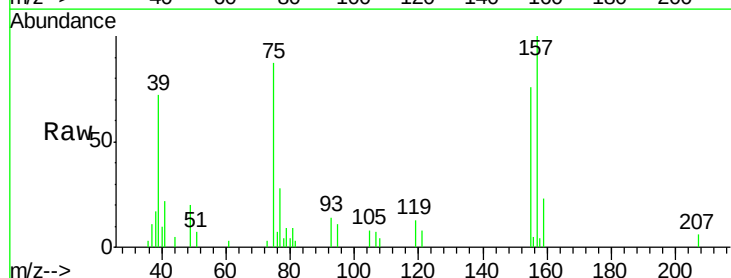
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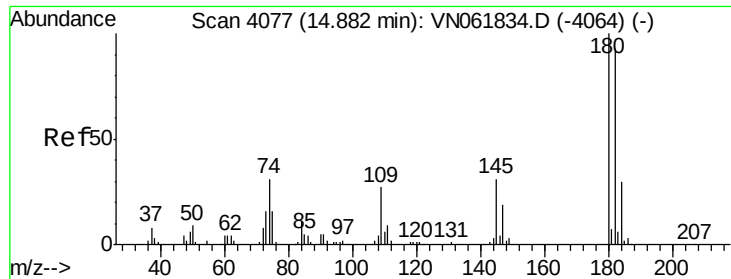
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 6/22/2020 10:30:14 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 24.860 ug/l  
 RT: 14.25 min Scan# 3879  
 Delta R.T. 0.00 min  
 Lab File: VN061972.D  
 Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.6  | 44.4  | 133.2 |
| 157     | 112.2 | 57.0  | 171.2 |





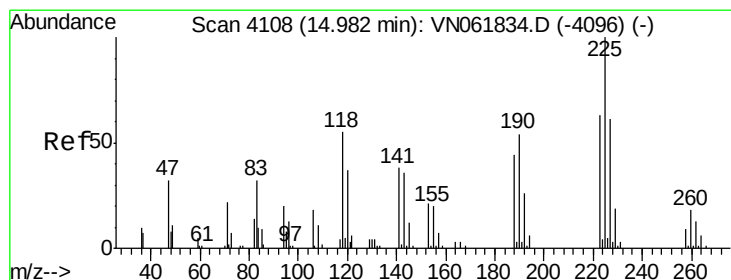
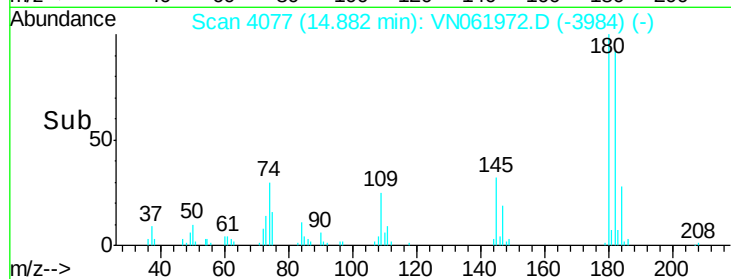
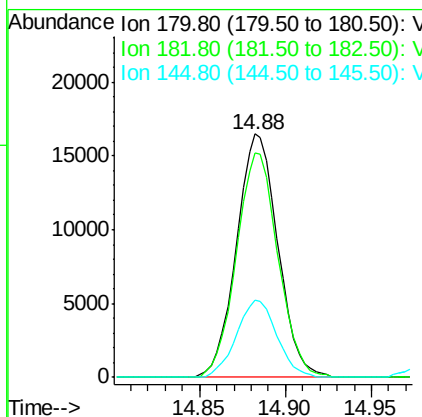
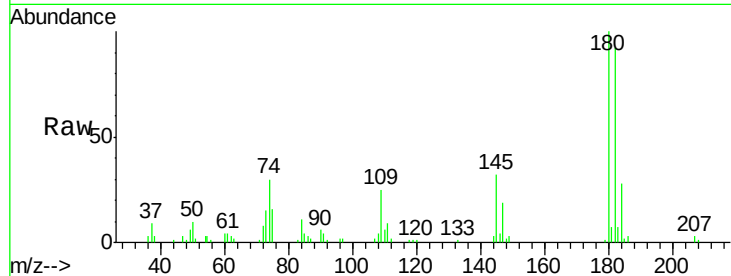
#93  
1,2,4-Trichlorobenzene  
Concen: 19.514 ug/l  
RT: 14.88 min Scan# 4077  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0619WBSD02

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 27589 |       |       |
| 182     | 92.8  | 47.0  | 141.2 |       |
| 145     | 31.0  | 15.8  | 47.3  |       |

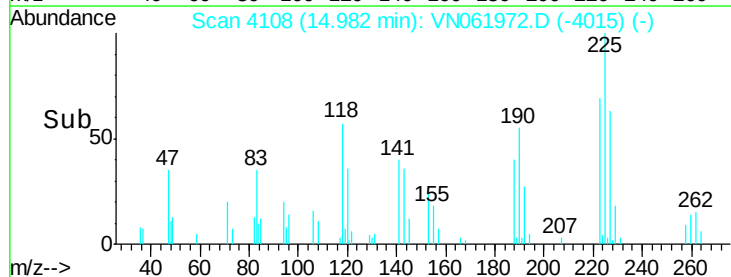
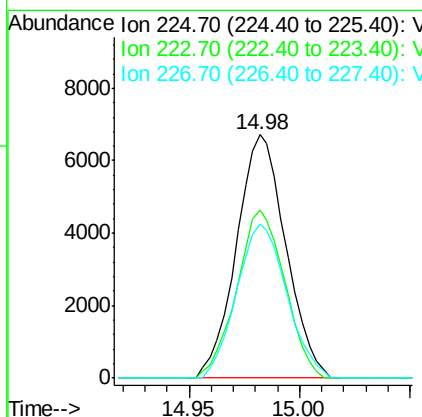
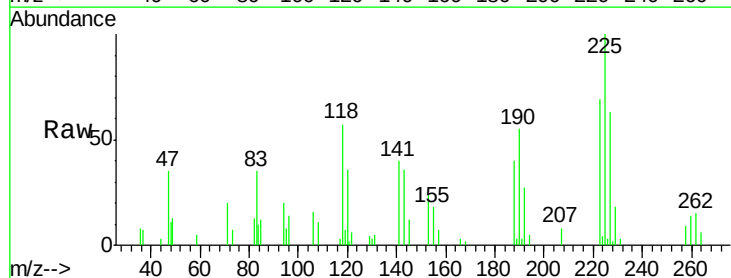
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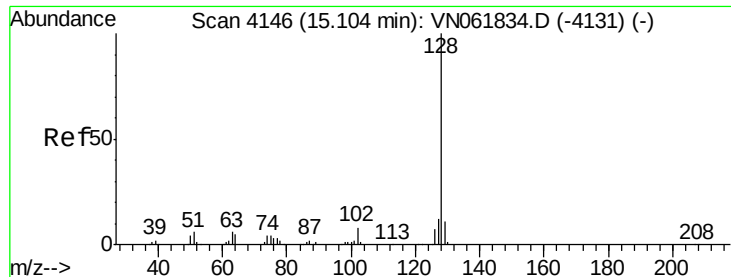
MMDadoda  
6/22/2020 10:30:14 AM



#94  
Hexachlorobutadiene  
Concen: 18.739 ug/l  
RT: 14.98 min Scan# 4108  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 10435 |       |       |
| 223     | 67.2  | 31.7  | 95.1  |       |
| 227     | 64.1  | 30.1  | 90.3  |       |





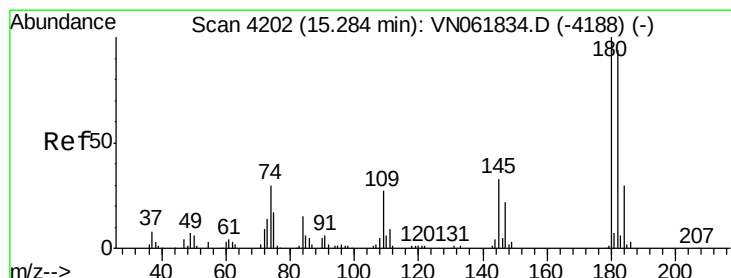
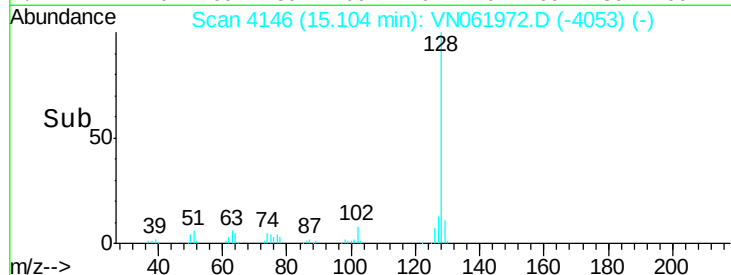
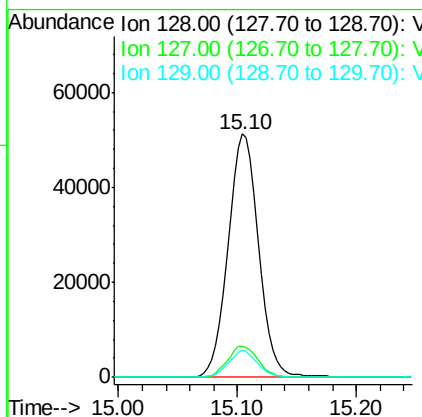
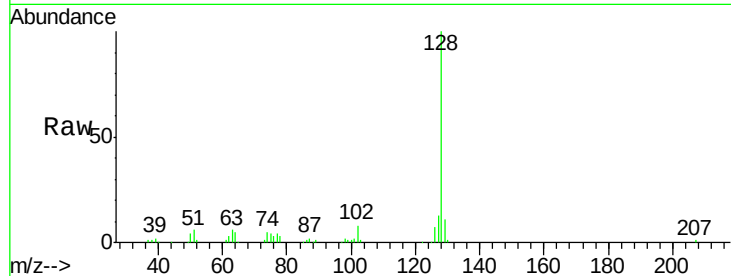
#95  
Naphthalene  
Concen: 21.386 ug/l  
RT: 15.10 min Scan# 4146  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0619WBSD02

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 91113 |       |       |
| 127     | 12.8  | 10.3  | 15.5  |       |
| 129     | 10.5  | 8.6   | 13.0  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.350 ug/l  
RT: 15.28 min Scan# 4202  
Delta R.T. 0.00 min  
Lab File: VN061972.D  
Acq: 20 Jun 2020 3:15

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 28495 |       |       |
| 182     | 94.0  | 47.9  | 143.6 |       |
| 145     | 33.6  | 16.5  | 49.5  |       |

