

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN110419\  
 Data File : VN059080.D  
 Acq On : 4 Nov 2019 12:40  
 Operator : JC/SP  
 Sample : VN1104WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 11/5/2019 2:00:10 PM

Quant Time: Nov 05 03:12:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 05:43:23 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 472850   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 741499   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 674421   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 308485   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65  | 311665   | 49.77 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.54%  |      |
| 35) Dibromofluoromethane    | 7.57   | 113 | 239524   | 50.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.14% |      |
| 50) Toluene-d8              | 10.08  | 98  | 938970   | 50.42 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.84% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 328690   | 49.10 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.20%  |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 101921  | 19.936  | ug/l | 98     |
| 3) Chloromethane              | 2.04 | 50  | 134970  | 19.470  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.17 | 62  | 132634  | 19.711  | ug/l | 99     |
| 5) Bromomethane               | 2.55 | 94  | 78457   | 19.722  | ug/l | 99     |
| 6) Chloroethane               | 2.68 | 64  | 78398   | 19.024  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 158465  | 19.819  | ug/l | 100    |
| 8) Diethyl Ether              | 3.39 | 74  | 63924   | 20.472  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.73 | 101 | 94719   | 20.098  | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 112937  | 19.716  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.76 | 59  | 115565  | 99.710  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.71 | 96  | 91796   | 19.585  | ug/l | 96     |
| 13) Acrolein                  | 3.58 | 56  | 68437   | 93.578  | ug/l | 98     |
| 14) Allyl chloride            | 4.30 | 41  | 185890  | 20.015  | ug/l | 99     |
| 15) Acrylonitrile             | 4.95 | 53  | 298358  | 102.620 | ug/l | 100    |
| 16) Acetone                   | 3.79 | 43  | 325820  | 102.770 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 283406  | 19.019  | ug/l | 98     |
| 18) Methyl Acetate            | 4.30 | 43  | 151995  | 18.924  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.01 | 73  | 321692  | 20.151  | ug/l | 100    |
| 20) Methylene Chloride        | 4.53 | 84  | 109792  | 19.782  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 100526  | 19.978  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.92 | 45  | 367573  | 20.778  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.87 | 43  | 1508333 | 107.049 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 202907  | 20.062  | ug/l | 98     |
| 25) 2-Butanone                | 6.81 | 43  | 422302  | 100.036 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 170852  | 19.462  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 114934  | 20.286  | ug/l | 100    |
| 28) Bromochloromethane        | 7.17 | 49  | 57871   | 18.540  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.19 | 42  | 269244  | 101.060 | ug/l | 99     |
| 30) Chloroform                | 7.35 | 83  | 194843  | 20.146  | ug/l | 98     |
| 31) Cyclohexane               | 7.64 | 56  | 188335  | 19.522  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 166325  | 20.326  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 147978  | 20.079  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.91 | 43  | 165403  | 20.200  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 142711  | 19.870  | ug/l | 100    |

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 Sample : VN1104WBSD02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN1104WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 11/5/2019 2:00:10 PM

Quant Time: Nov 05 03:12:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 05:43:23 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 170278   | 19.990  | ug/l   | 99       |
| 40) Benzene                    | 8.02  | 78   | 441627   | 20.192  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.14  | 41   | 66209    | 18.699  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 155217   | 20.435  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 254764   | 19.895  | ug/l   | 100      |
| 44) Trichloroethene            | 8.82  | 130  | 108213   | 20.110  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 121335   | 20.514  | ug/l   | 99       |
| 46) Dibromomethane             | 9.19  | 93   | 73561    | 20.123  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 148167   | 20.013  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.19  | 41   | 113005   | 19.355  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 40311    | 423.251 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 811775   | 109.128 | ug/l   | 98       |
| 52) Toluene                    | 10.15 | 92   | 267247   | 20.854  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 168792   | 19.717  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 184115   | 20.390  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 104020   | 19.926  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 156956   | 18.917  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 184251   | 20.295  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 322077   | 100.887 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 599677   | 106.115 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 113551   | 20.184  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 107564   | 20.339  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 97074    | 20.605  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 276366   | 19.966  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 104646   | 20.549  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 499990   | 20.866  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 369914   | 41.342  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 177754   | 20.804  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 279178   | 20.163  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 77916    | 19.767  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 475021   | 20.931  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 201168   | 19.927  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 158945   | 19.661  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 146248m  | 20.034  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 113757   | 20.047  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 554028   | 21.078  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 330767   | 20.266  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 403143   | 20.901  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 53999    | 18.963  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 333198   | 20.004  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 345150   | 21.065  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 392407   | 20.938  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 454415   | 21.161  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 401996   | 20.764  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 198410   | 19.679  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 199739   | 20.028  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 345209   | 20.464  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 76578    | 19.898  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 198152   | 19.752  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 33518    | 19.195  | ug/l   | 93       |

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Sample : VN1104WBSD02  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

Manual Integrations  
APPROVED

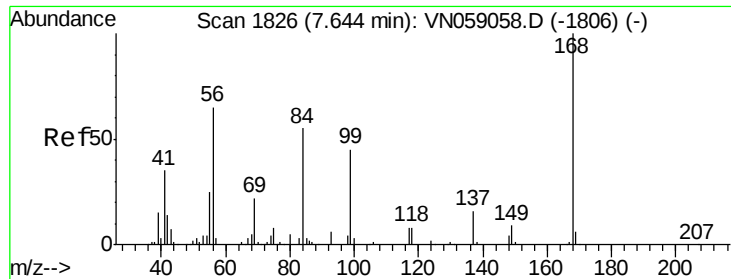
MMDadoda  
11/5/2019 2:00:10 PM

Quant Time: Nov 05 03:12:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 02 05:43:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 106213   | 19.629 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 64824    | 19.961 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 294128   | 19.384 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 110126   | 19.998 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 168 Resp: 472850

Ion Ratio Lower Upper

168 100

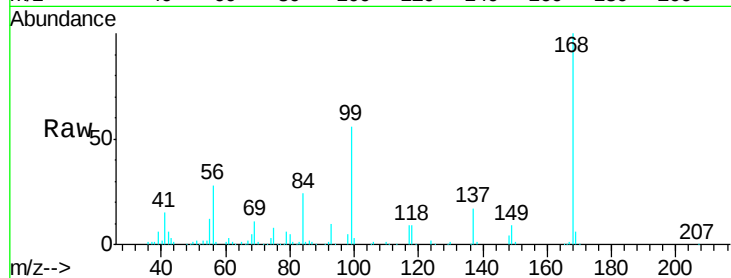
99 55.8 44.1 66.1

Manual Integrations

APPROVED

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11/5/2019 2:00:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

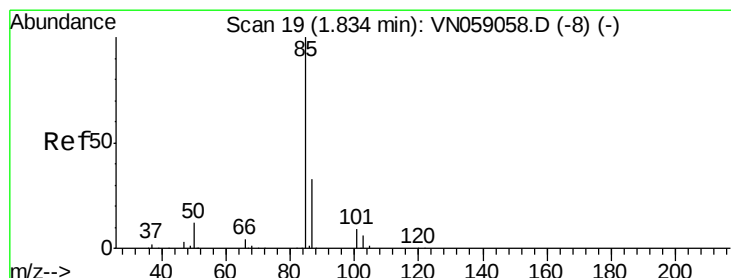
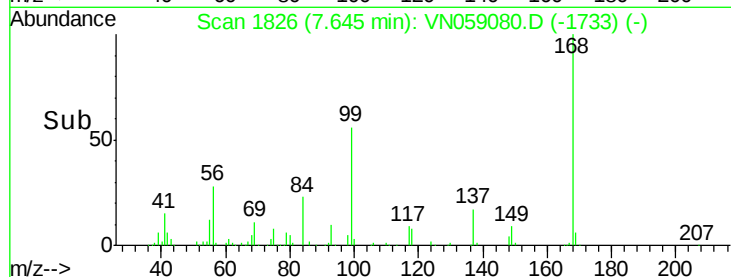
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.936 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059080.D

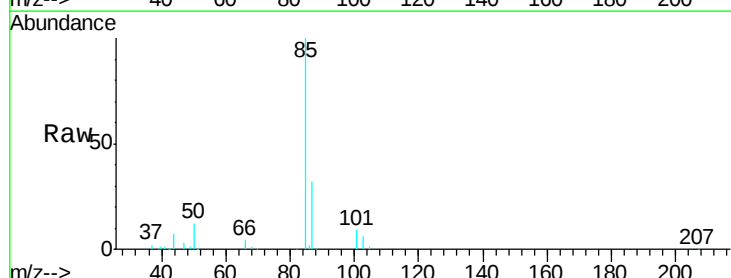
Acq: 4 Nov 2019 12:40

Tgt Ion: 85 Resp: 101921

Ion Ratio Lower Upper

85 100

87 31.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

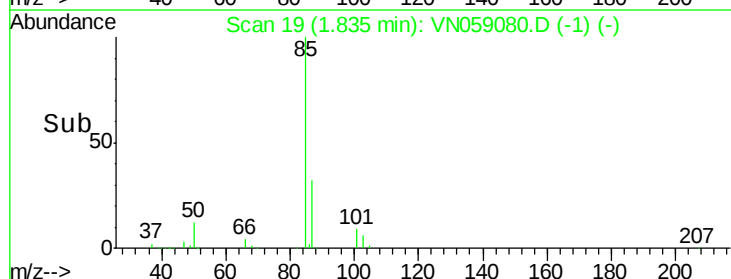
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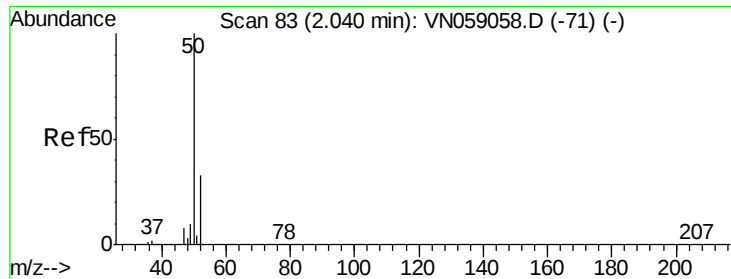
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.470 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 50 Resp: 134970

Ion Ratio Lower Upper

50 100

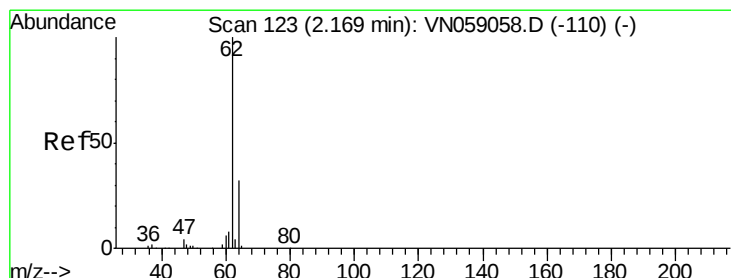
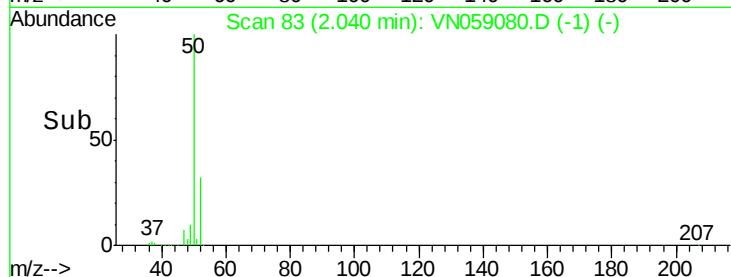
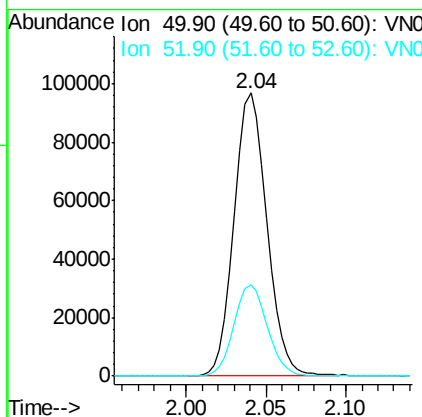
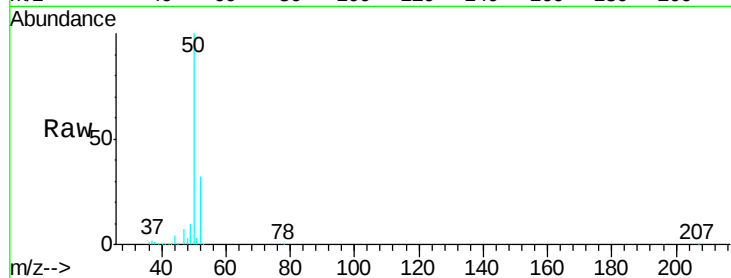
52 32.4 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

11/5/2019 2:00:10 PM



#4

Vinyl Chloride

Concen: 19.711 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059080.D

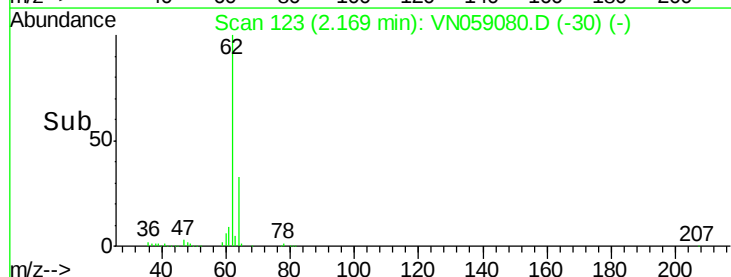
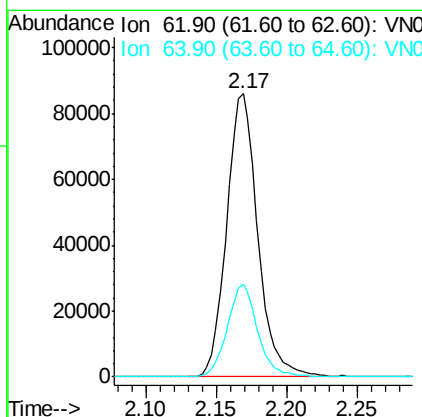
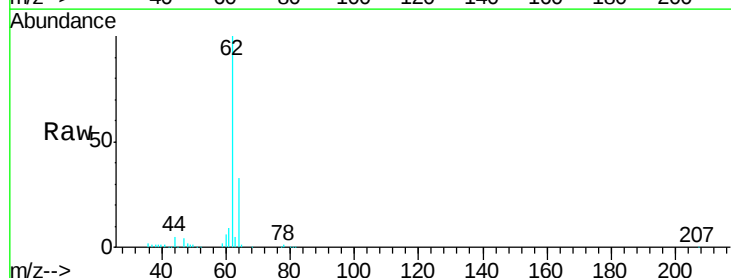
Acq: 4 Nov 2019 12:40

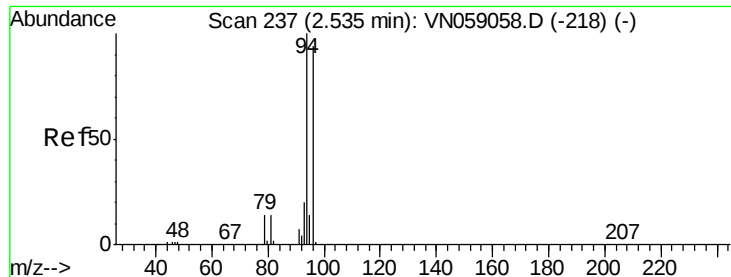
Tgt Ion: 62 Resp: 132634

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 19.722 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 94 Resp: 78457

Ion Ratio Lower Upper

94 100

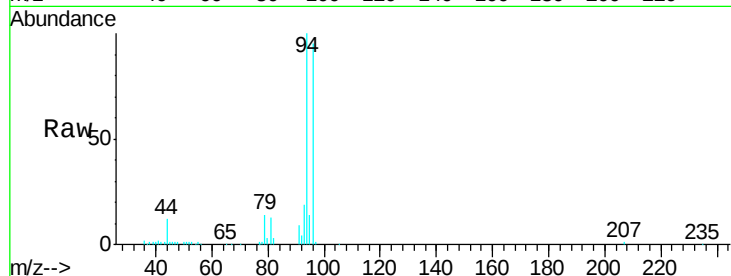
96 95.2 75.1 112.7

Manual Integrations

APPROVED

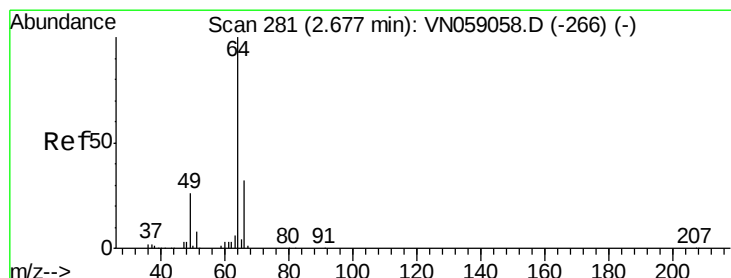
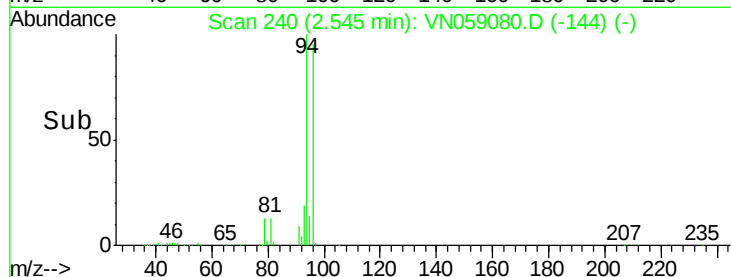
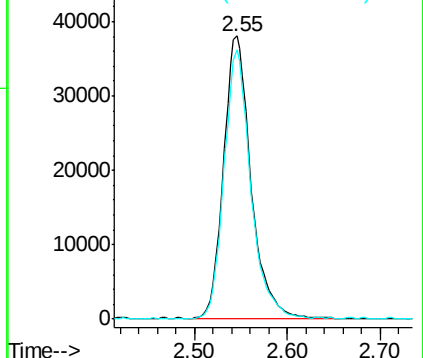
MMDadoda

11/5/2019 2:00:10 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.024 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059080.D

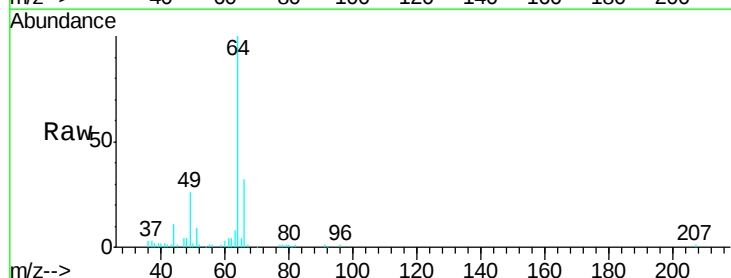
Acq: 4 Nov 2019 12:40

Tgt Ion: 64 Resp: 78398

Ion Ratio Lower Upper

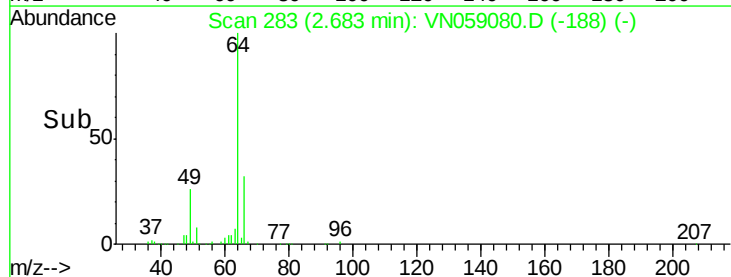
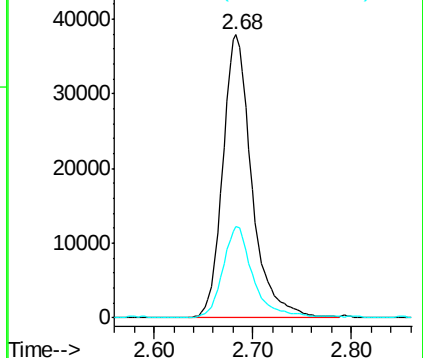
64 100

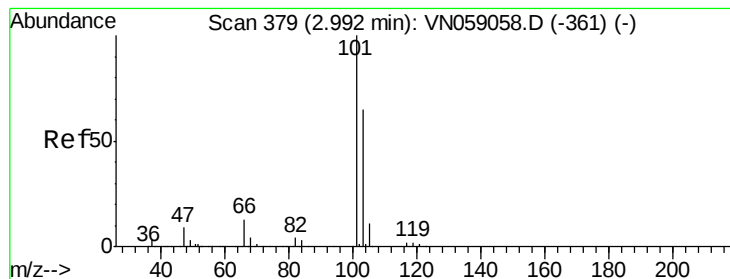
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

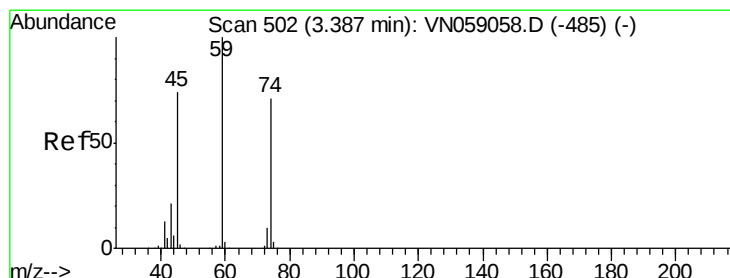
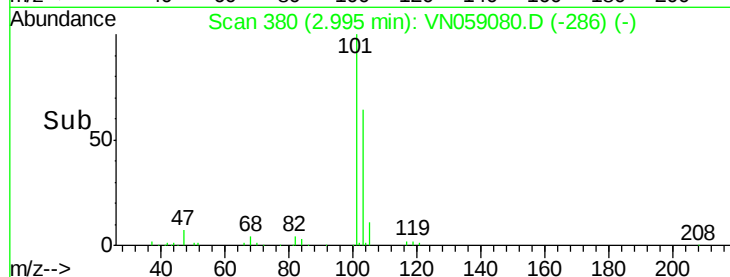
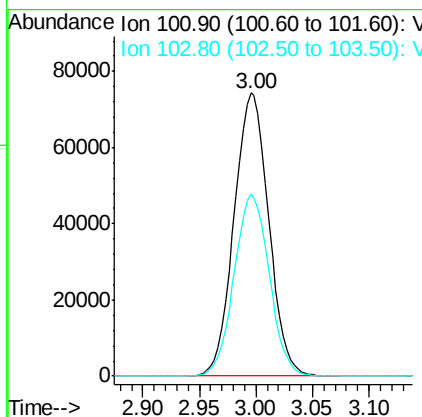
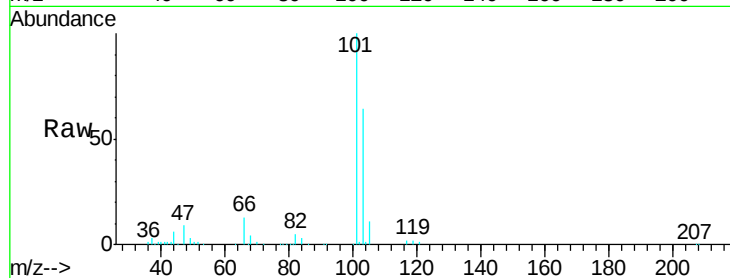
Trichlorofluoromethane  
 Concen: 19.819 ug/l  
 RT: 3.00 min Scan# 380  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.2  | 51.7  | 77.5  |

Manual Integrations  
 APPROVED

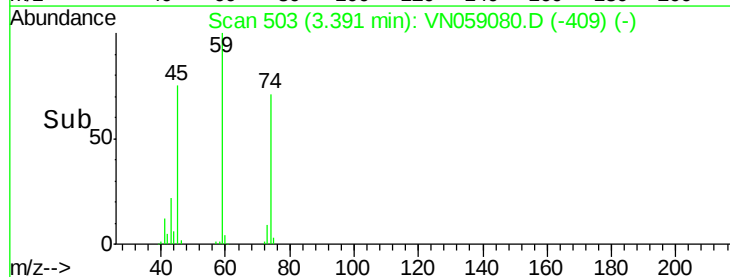
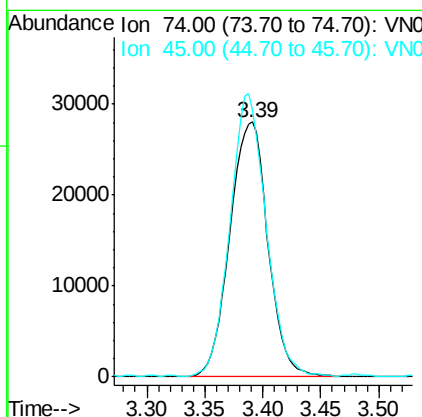
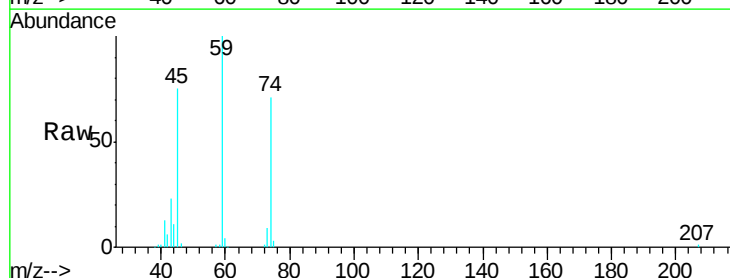
MMDadoda  
 11/5/2019 2:00:10 PM

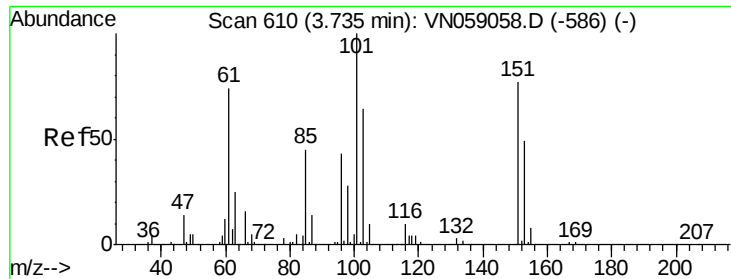


#8

Diethyl Ether  
 Concen: 20.472 ug/l  
 RT: 3.39 min Scan# 503  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 105.2 | 52.8  | 158.3 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.098 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

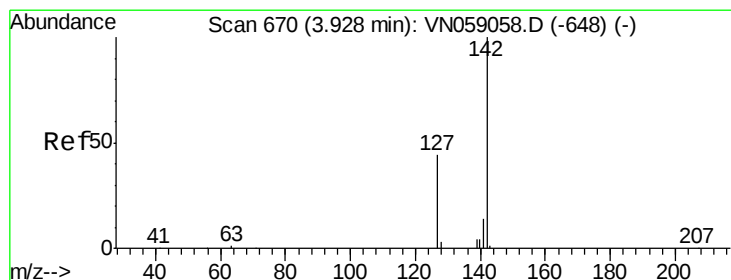
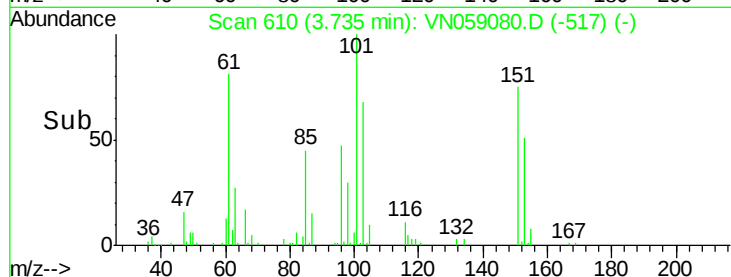
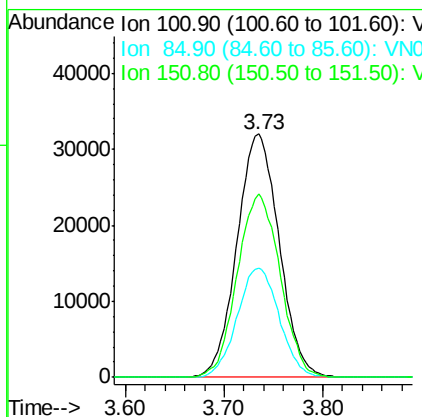
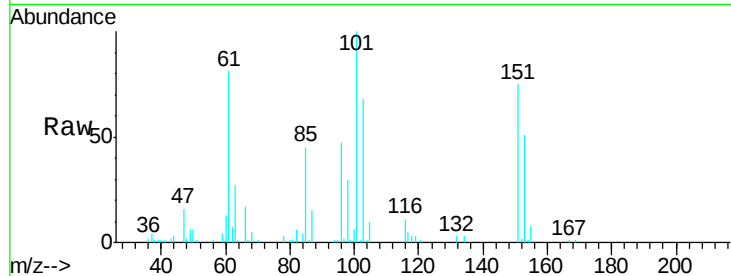
ClientSampleId :

VN1104WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 94719 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.8  | 35.0  | 52.6  |
| 151       | 76.4  | 61.3  | 91.9  |

Manual Integrations  
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11/5/2019 2:00:10 PM



#10

Methyl Iodide

Concen: 19.716 ug/l

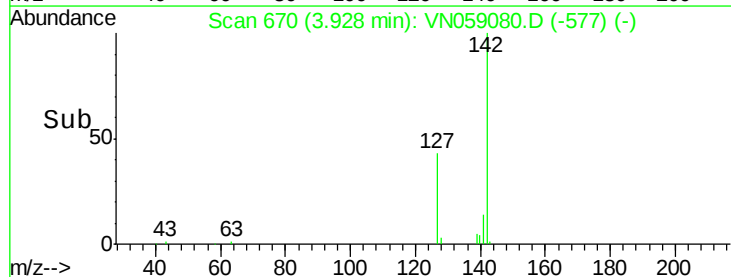
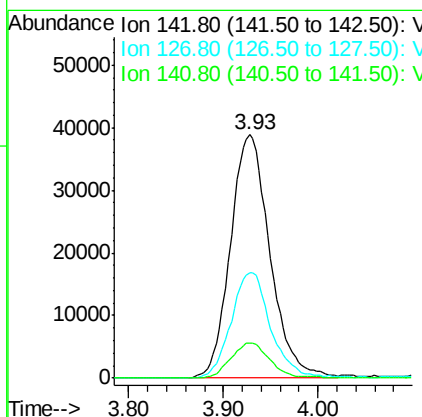
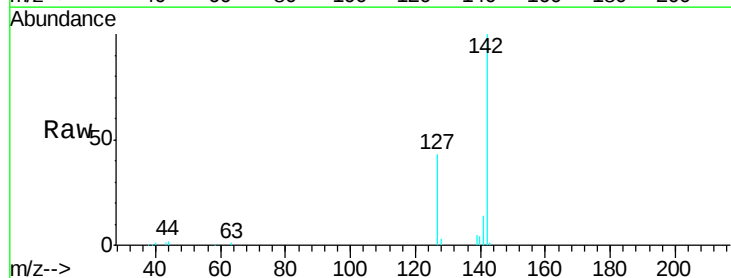
RT: 3.93 min Scan# 670

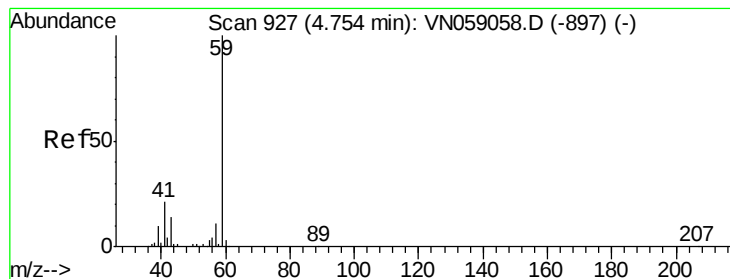
Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 112937 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.5  | 34.2  | 51.2   |
| 141       | 14.3  | 11.1  | 16.7   |





#11

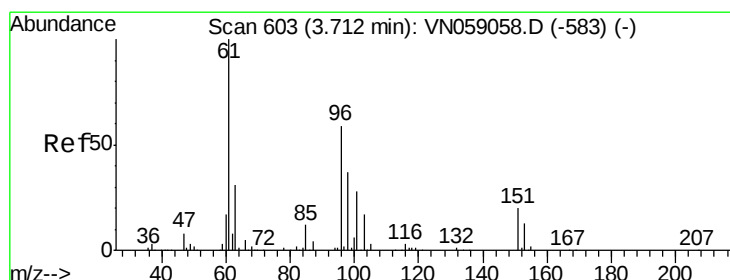
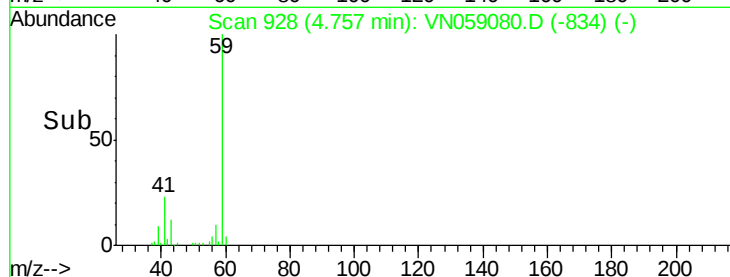
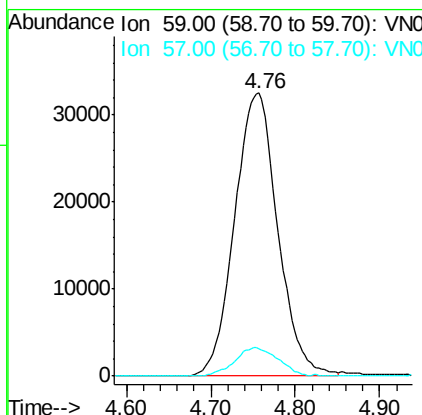
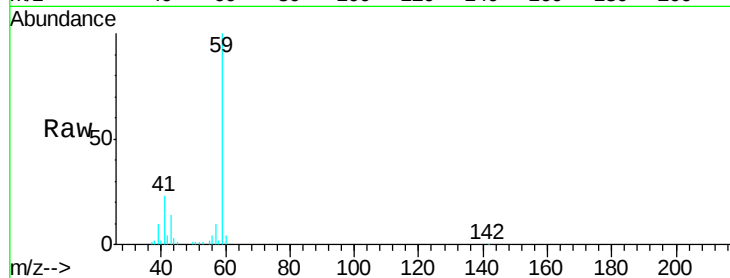
Tert butyl alcohol  
 Concen: 99.710 ug/l  
 RT: 4.76 min Scan# 928  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

Tgt Ion: 59 Resp: 115565  
 Ion Ratio Lower Upper  
 59 100  
 57 10.0 8.2 12.4

Manual Integrations  
 APPROVED

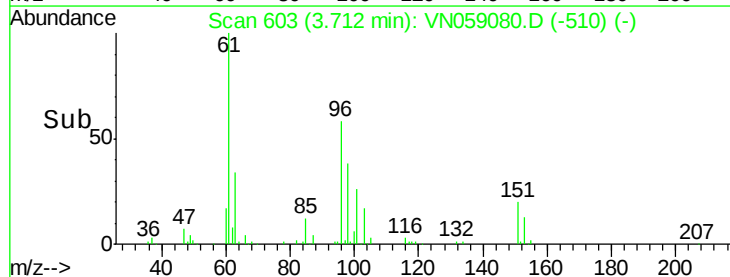
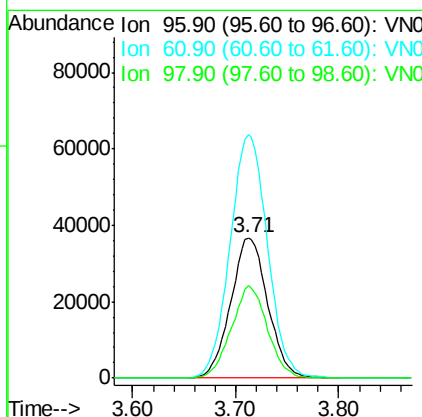
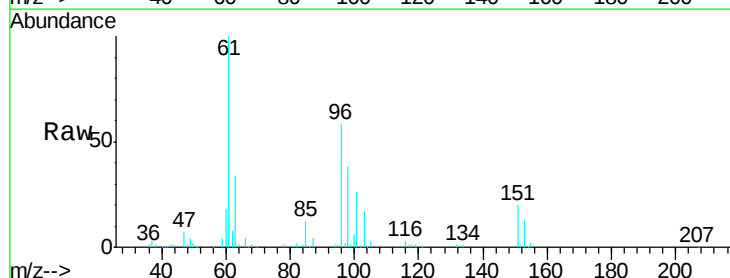
MMDadoda  
 11/5/2019 2:00:10 PM

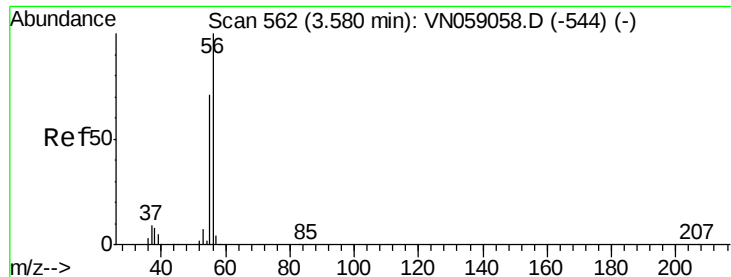


#12

1,1-Dichloroethene  
 Concen: 19.585 ug/l  
 RT: 3.71 min Scan# 603  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Tgt Ion: 96 Resp: 91796  
 Ion Ratio Lower Upper  
 96 100  
 61 173.5 135.3 202.9  
 98 65.6 49.4 74.2





#13

Acrolein

Concen: 93.578 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 56 Resp: 68437

Ion Ratio Lower Upper

56 100

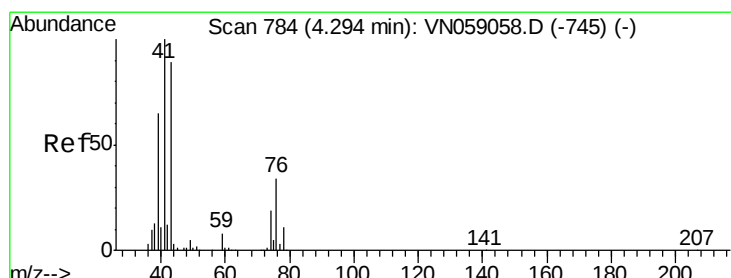
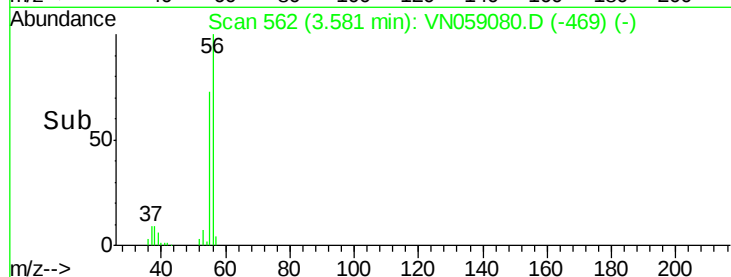
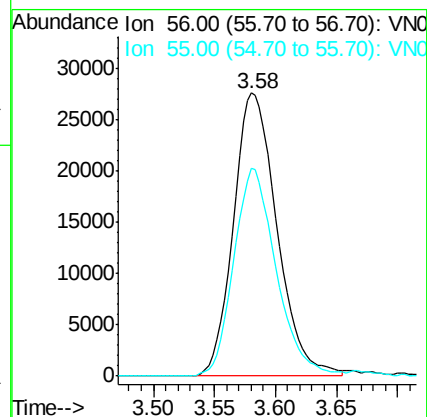
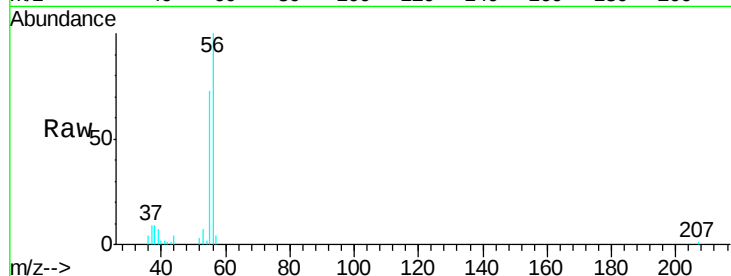
55 71.5 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

11/5/2019 2:00:10 PM



#14

Allyl chloride

Concen: 20.015 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

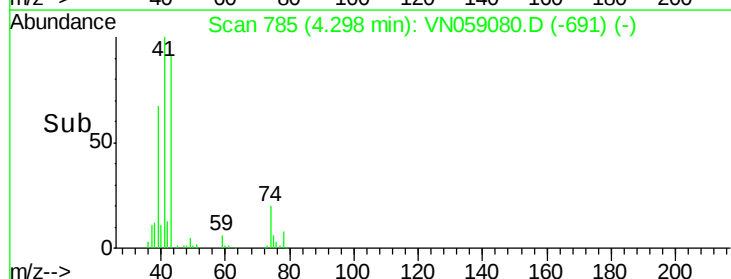
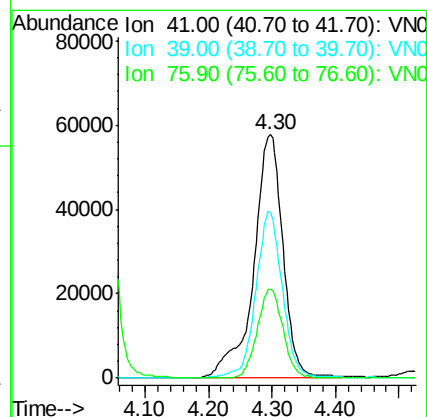
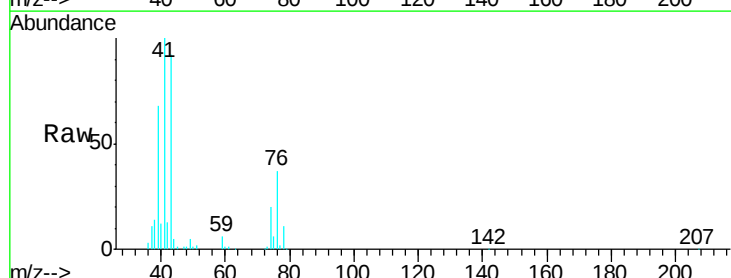
Tgt Ion: 41 Resp: 185890

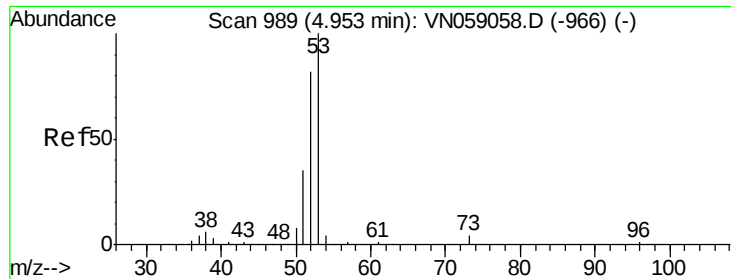
Ion Ratio Lower Upper

41 100

39 61.9 49.4 74.2

76 31.9 24.6 37.0





#15

Acrylonitrile

Concen: 102.620 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

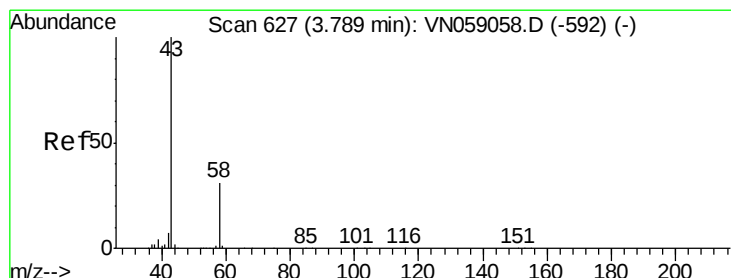
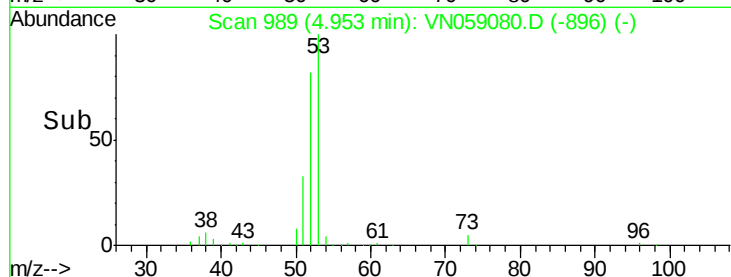
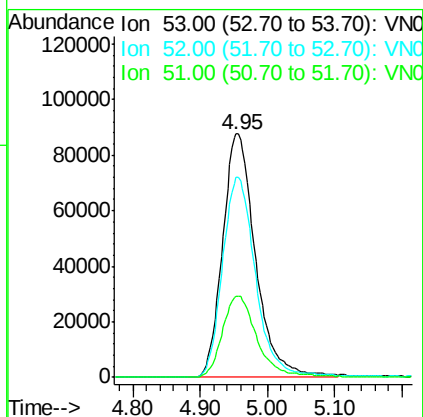
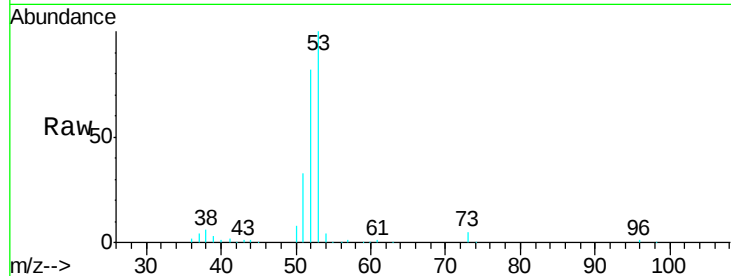
ClientSampleId :

VN1104WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 298358 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.5  | 66.0  | 99.0   |
| 51       | 34.6  | 28.3  | 42.5   |

Manual Integrations  
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MMDadoda  
11/5/2019 2:00:10 PM



#16

Acetone

Concen: 102.770 ug/l

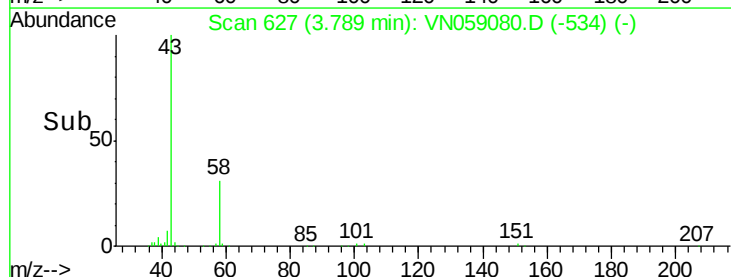
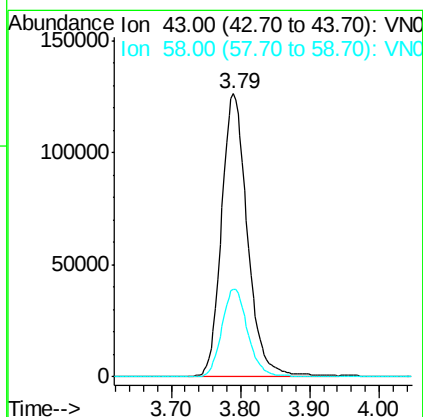
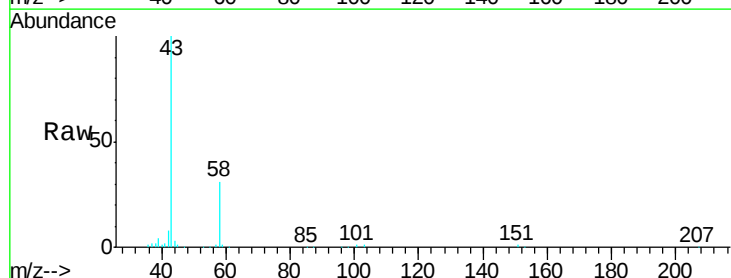
RT: 3.79 min Scan# 627

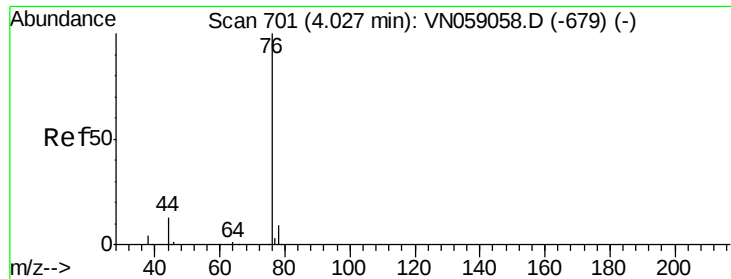
Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 325820 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 30.9  | 25.0  | 37.6   |





#17

Carbon Disulfide

Concen: 19.019 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 76 Resp: 283406

Ion Ratio Lower Upper

76 100

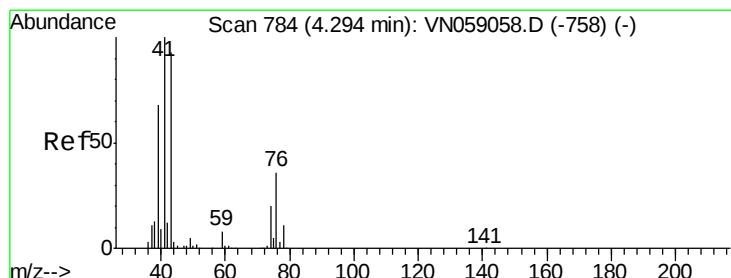
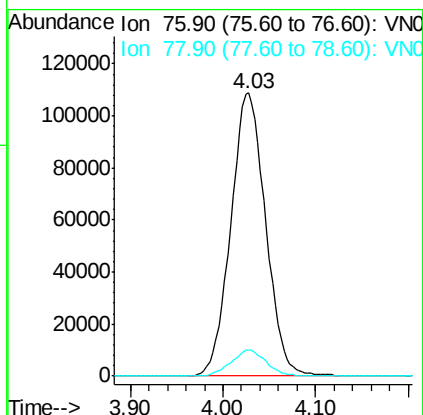
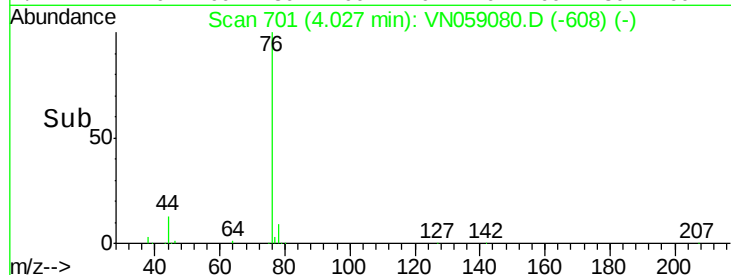
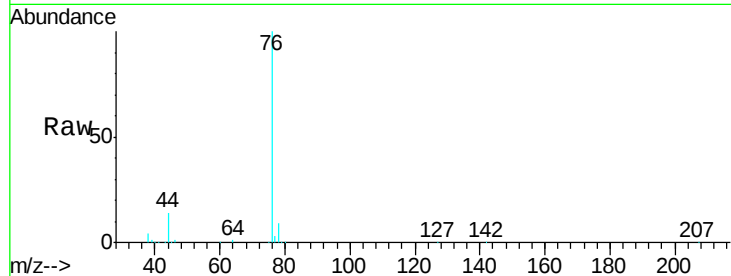
78 9.4 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

11/5/2019 2:00:10 PM



#18

Methyl Acetate

Concen: 18.924 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059080.D

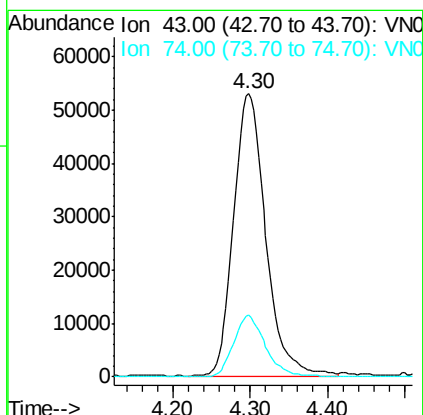
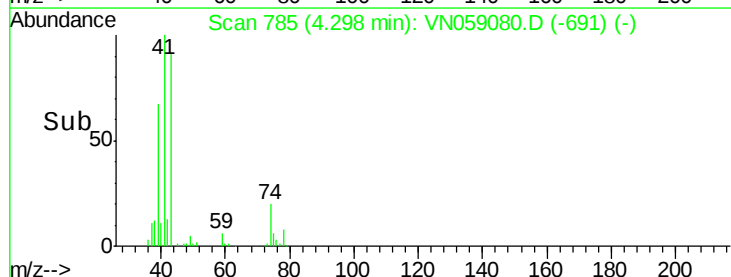
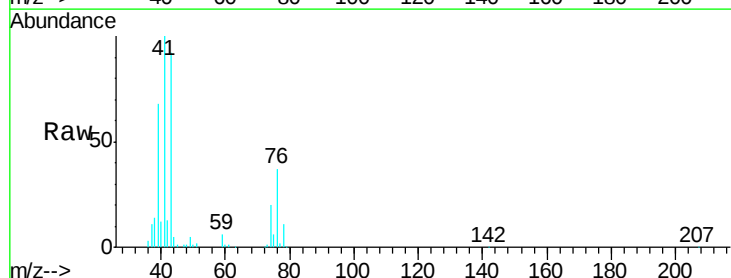
Acq: 4 Nov 2019 12:40

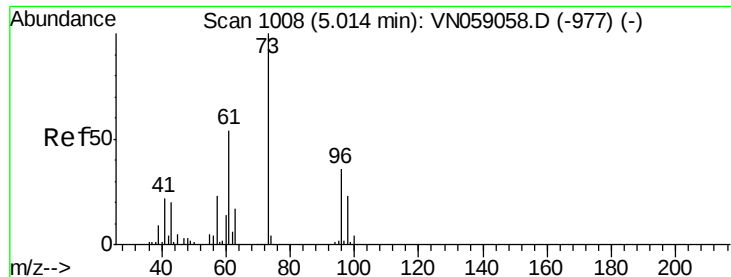
Tgt Ion: 43 Resp: 151995

Ion Ratio Lower Upper

43 100

74 21.4 17.5 26.3





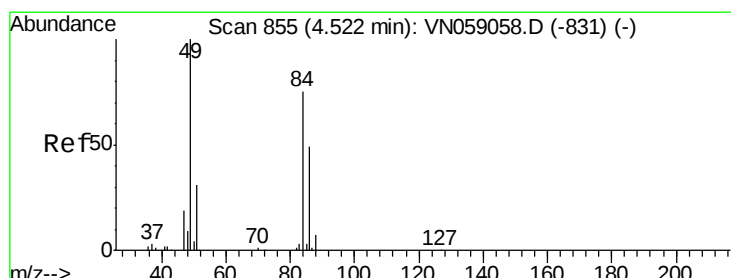
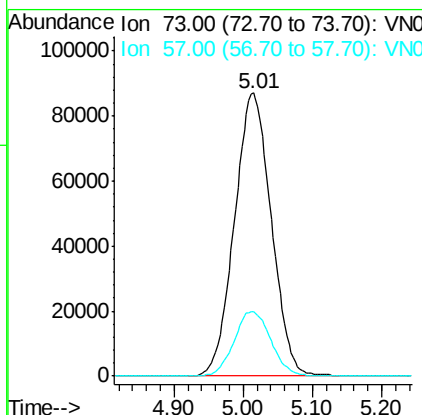
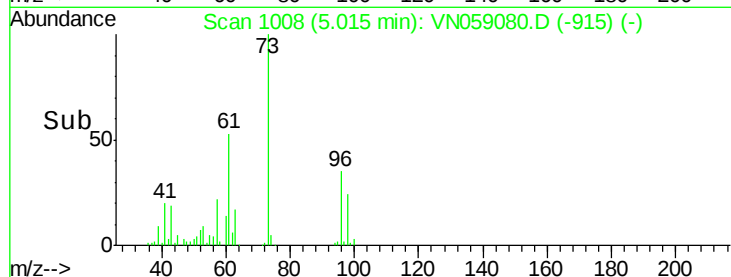
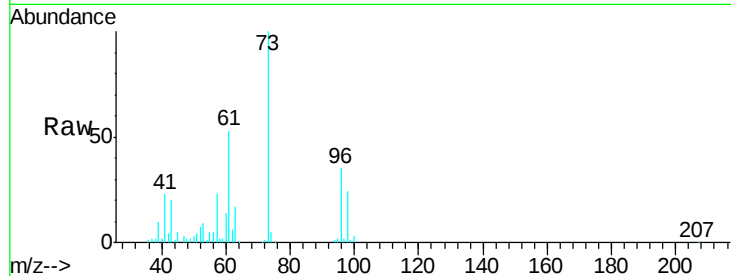
#19  
Methyl tert-butyl Ether  
Concen: 20.151 ug/l  
RT: 5.01 min Scan# 1008  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

Tgt Ion: 73 Resp: 321692  
Ion Ratio Lower Upper  
73 100  
57 22.9 18.4 27.6

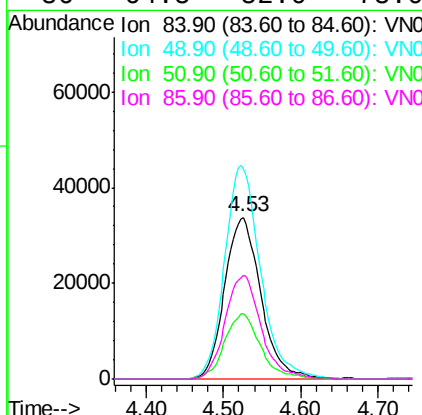
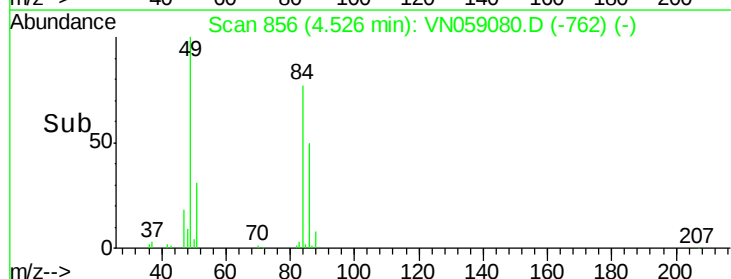
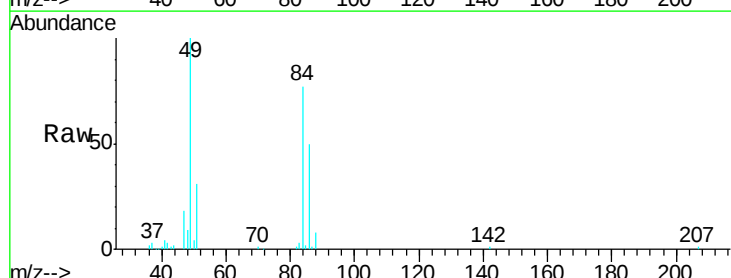
Manual Integrations  
APPROVED

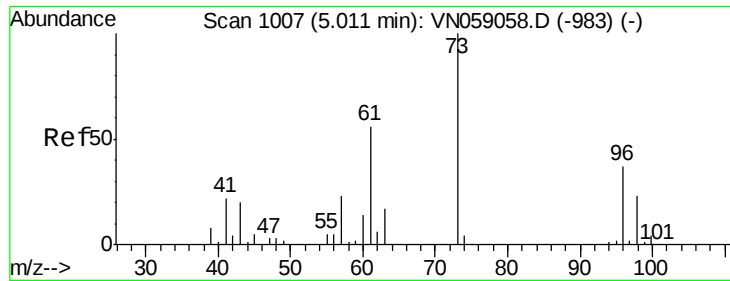
MMDadoda  
11/5/2019 2:00:10 PM



#20  
Methylene Chloride  
Concen: 19.782 ug/l  
RT: 4.53 min Scan# 856  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Tgt Ion: 84 Resp: 109792  
Ion Ratio Lower Upper  
84 100  
49 130.0 106.4 159.6  
51 40.1 33.0 49.4  
86 64.5 52.0 78.0





#21

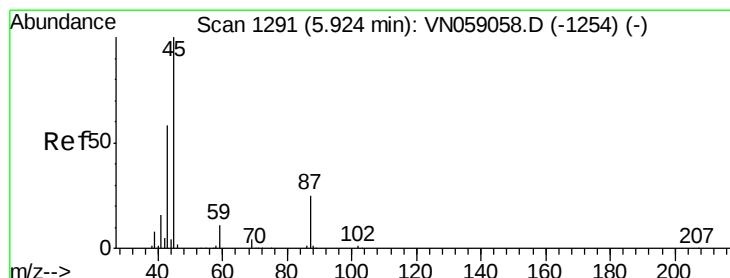
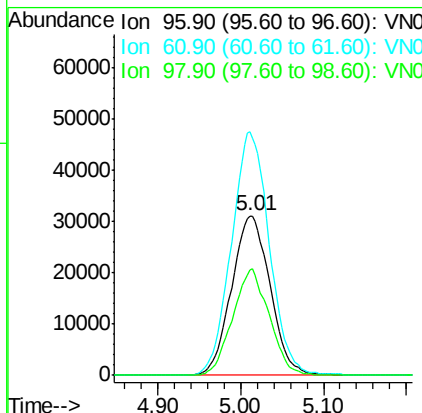
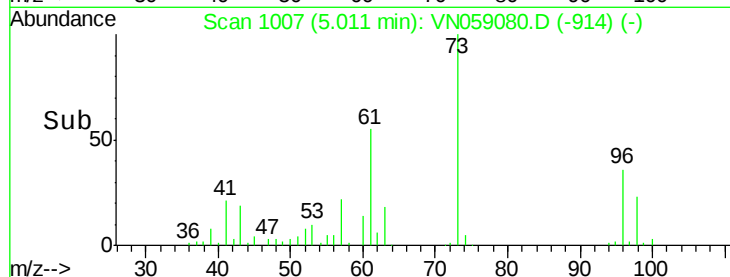
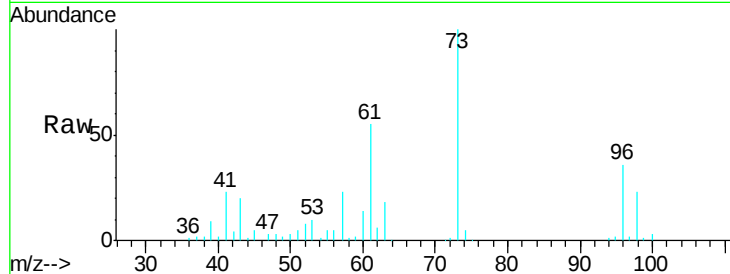
trans-1,2-Dichloroethene  
Concen: 19.978 ug/l  
RT: 5.01 min Scan# 1007  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 153.0 | 121.7 | 182.5 |
| 98      | 65.8  | 50.6  | 76.0  |

Manual Integrations  
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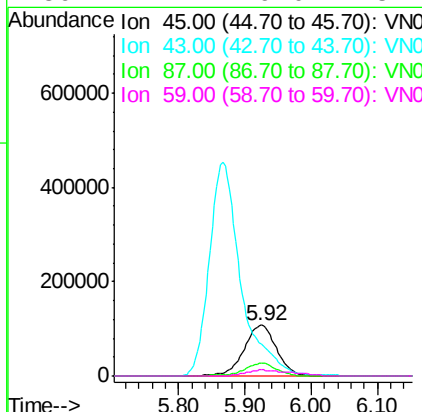
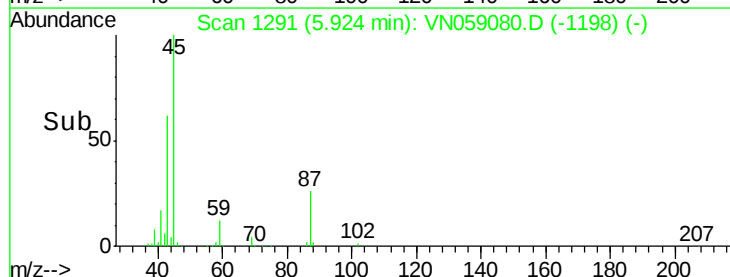
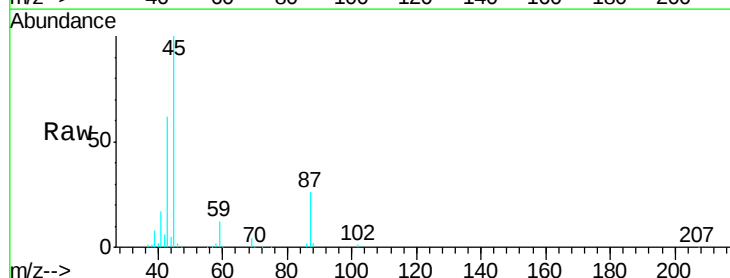
MMDadoda  
11/5/2019 2:00:10 PM

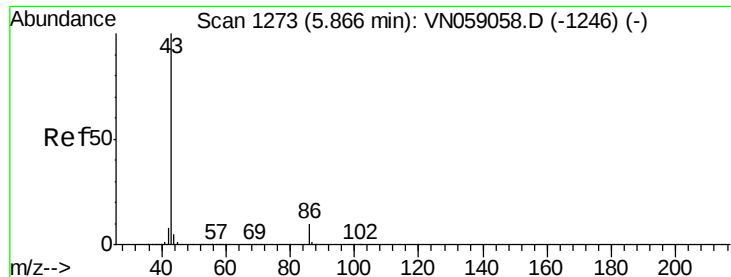


#22

Diisopropyl ether  
Concen: 20.778 ug/l  
RT: 5.92 min Scan# 1291  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.9  | 46.9  | 70.3  |
| 87      | 25.8  | 20.1  | 30.1  |
| 59      | 11.4  | 9.0   | 13.4  |





#23

Vinyl Acetate

Concen: 107.049 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 43 Resp: 1508333

Ion Ratio Lower Upper

43 100

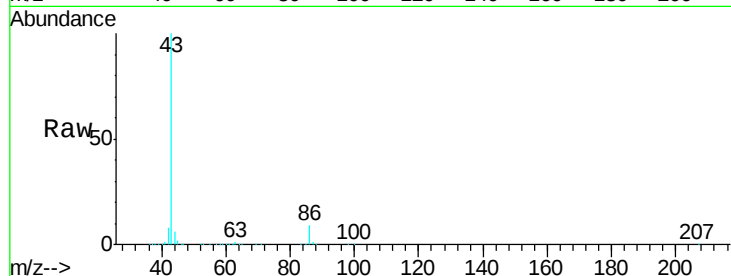
86 9.3 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

11/5/2019 2:00:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

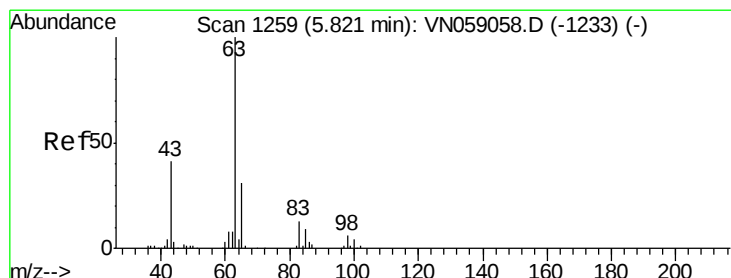
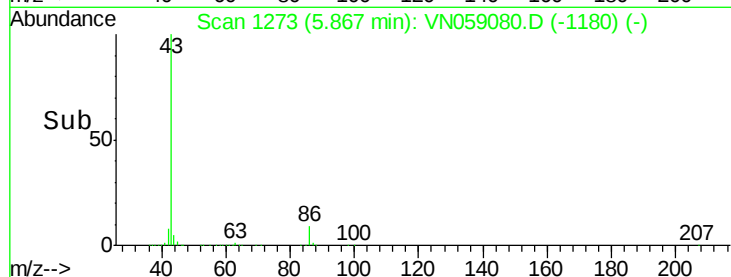
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.062 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

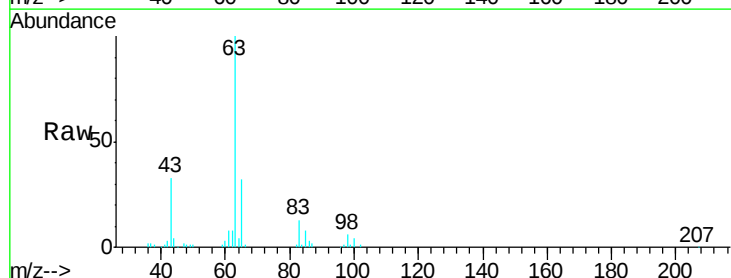
Tgt Ion: 63 Resp: 202907

Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

100 3.5 2.0 6.0



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

5.82

80000

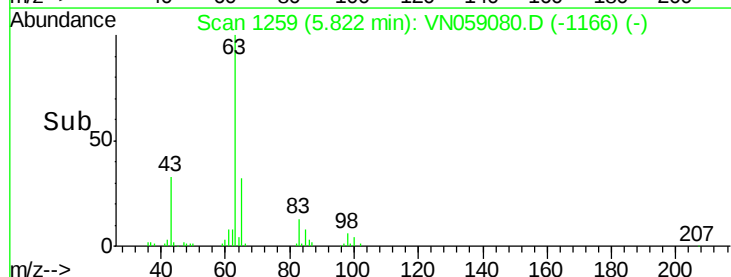
60000

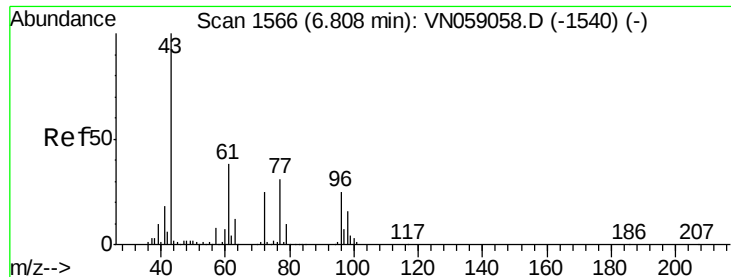
40000

20000

0

Time-->





#25

2-Butanone

Concen: 100.036 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 43 Resp: 422302

Ion Ratio Lower Upper

43 100

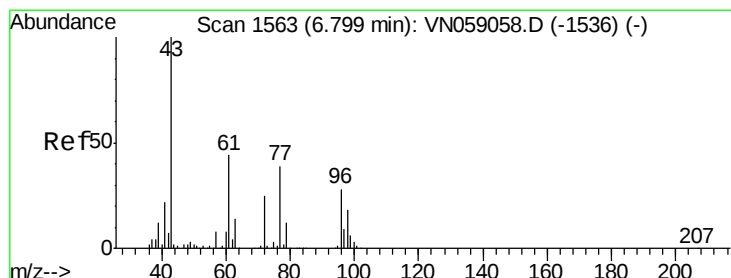
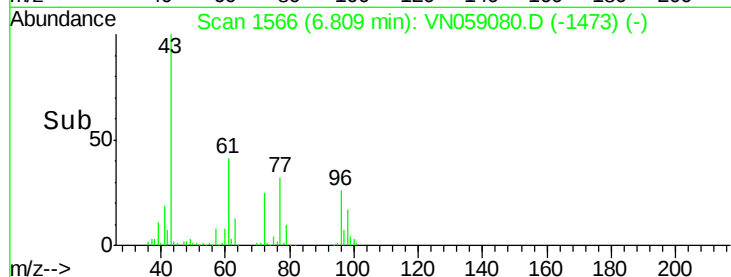
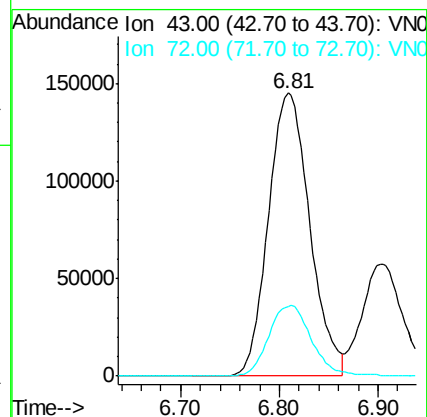
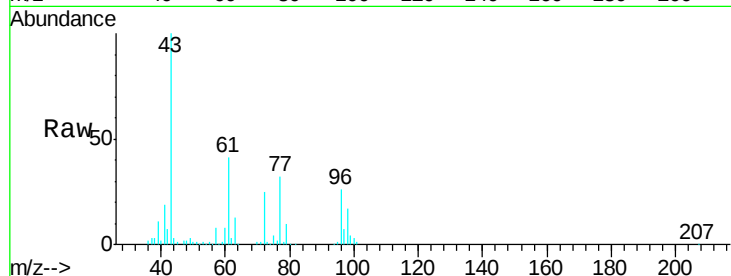
72 24.8 19.9 29.9

Manual Integrations

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MMDadoda

11/5/2019 2:00:10 PM



#26

2,2-Dichloropropane

Concen: 19.462 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059080.D

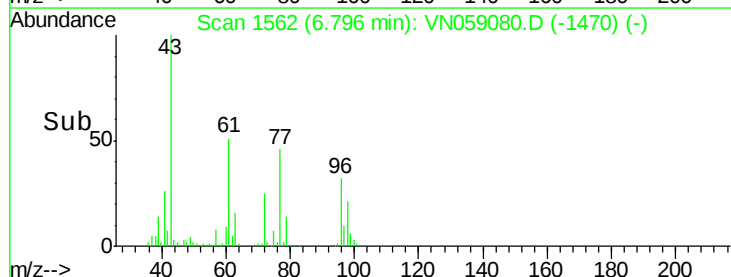
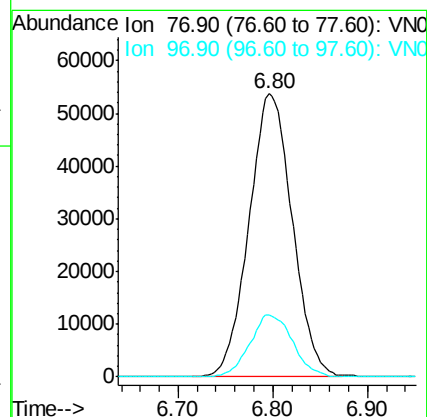
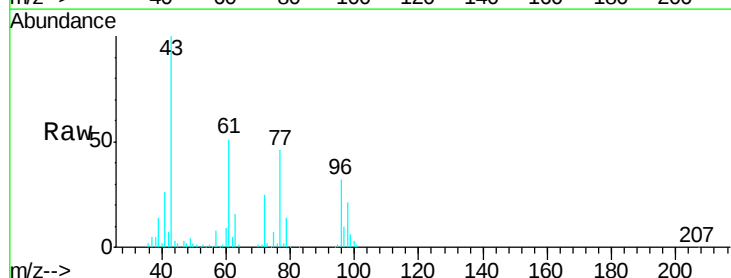
Acq: 4 Nov 2019 12:40

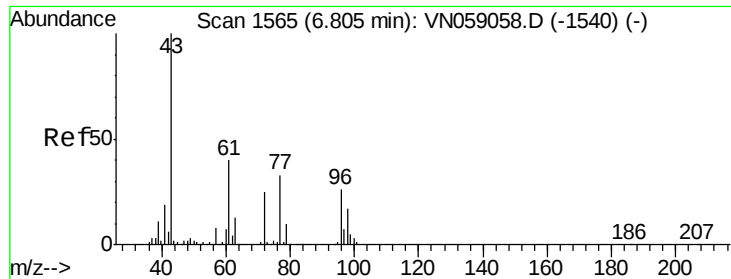
Tgt Ion: 77 Resp: 170852

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 20.286 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059080.D

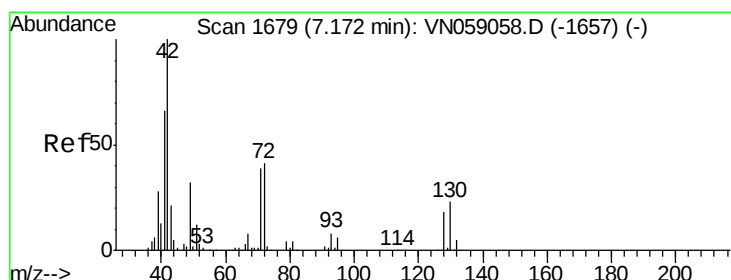
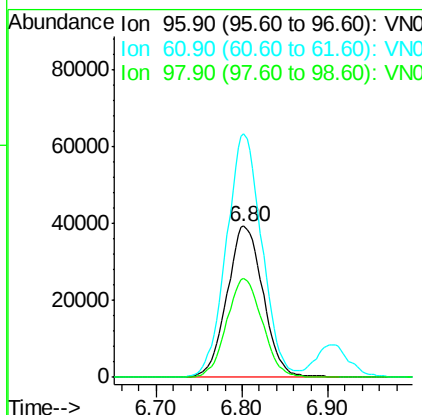
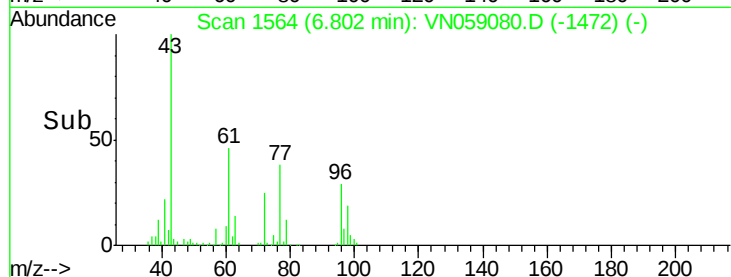
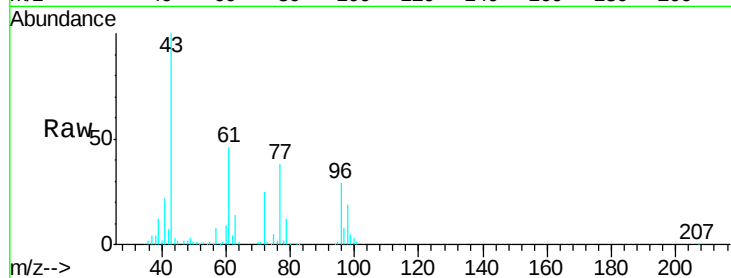
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 114934 |       |       |
| 61      | 158.4 | 0.0    | 316.4 |       |
| 98      | 64.7  | 0.0    | 128.2 |       |

Manual Integrations  
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11/5/2019 2:00:10 PM



#28

Bromochloromethane

Concen: 18.540 ug/l

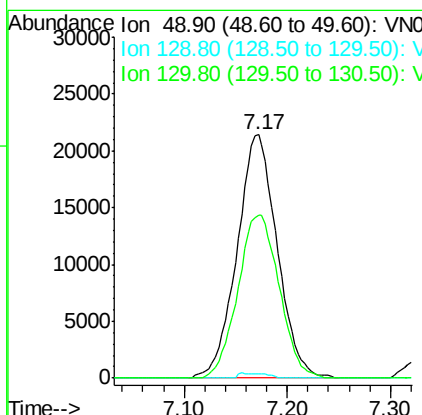
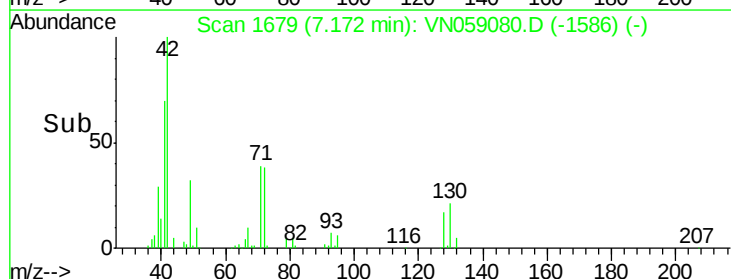
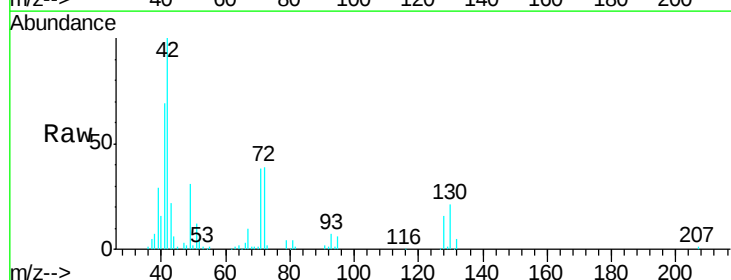
RT: 7.17 min Scan# 1679

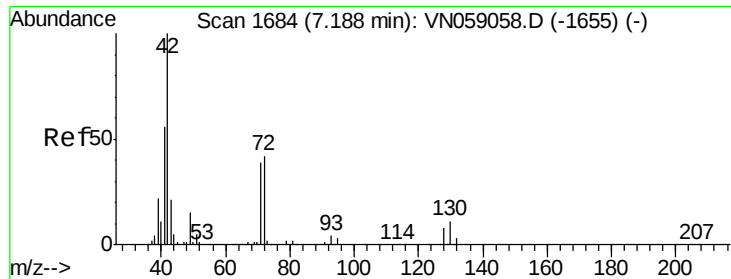
Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 49      | 100   | 57871 |       |       |
| 129     | 0.5   | 0.0   | 3.4   |       |
| 130     | 69.0  | 55.0  | 82.6  |       |





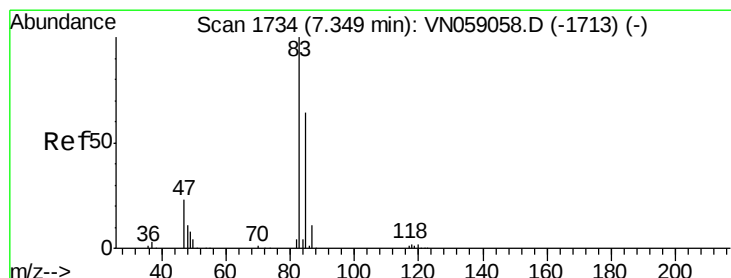
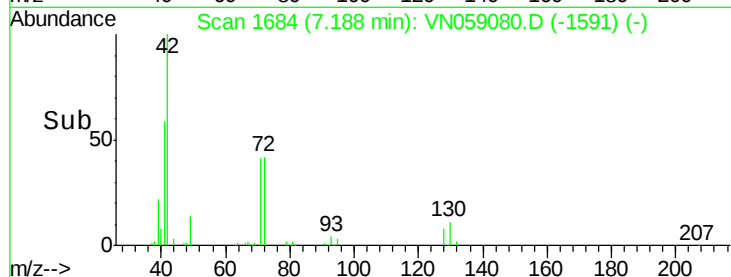
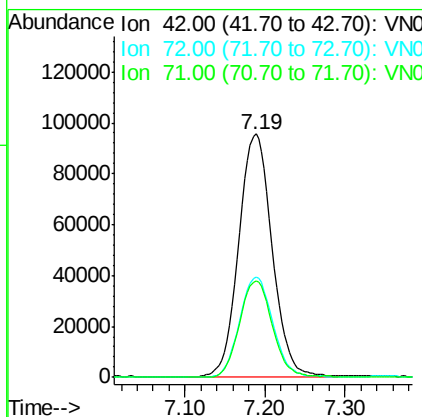
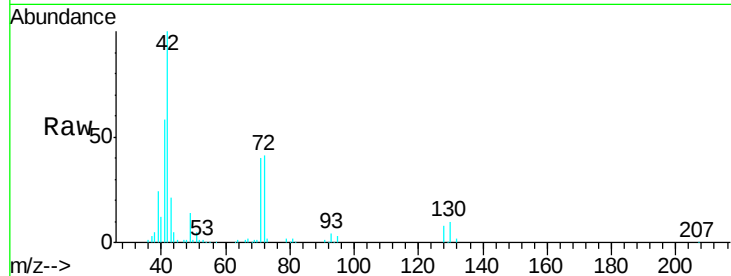
#29  
Tetrahydrofuran  
Concen: 101.060 ug/l  
RT: 7.19 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.5  | 32.7  | 49.1  |
| 71      | 39.3  | 31.2  | 46.8  |

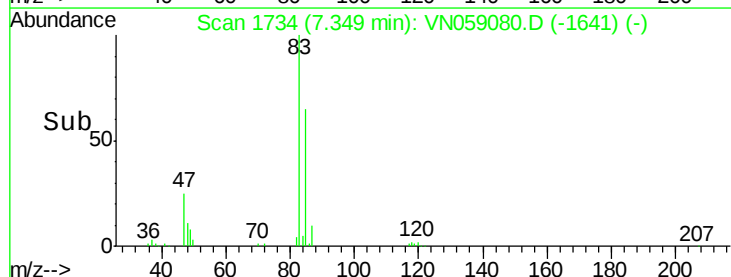
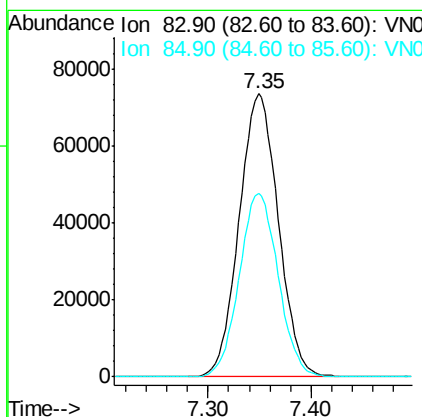
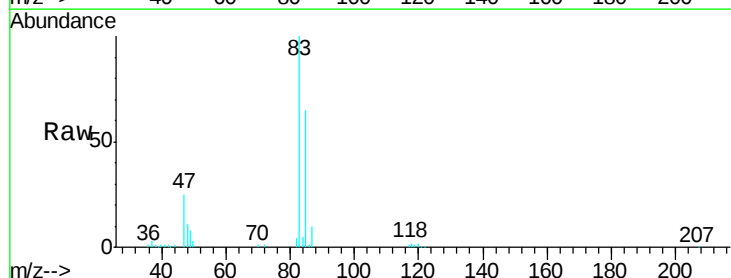
Manual Integrations  
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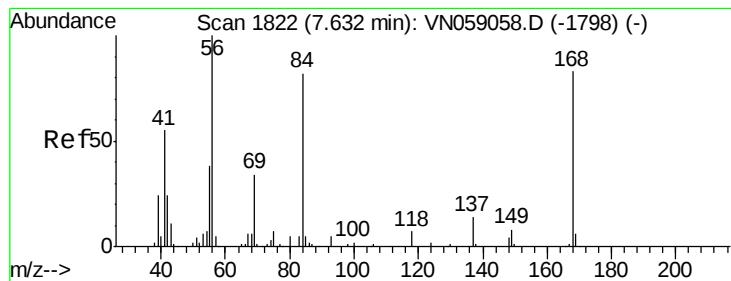
MMDadoda  
11/5/2019 2:00:10 PM



#30  
Chloroform  
Concen: 20.146 ug/l  
RT: 7.35 min Scan# 1734  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.0  | 50.9  | 76.3  |





#31

Cyclohexane

Concen: 19.522 ug/l

RT: 7.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 56 Resp: 188335  
Ion Ratio Lower Upper

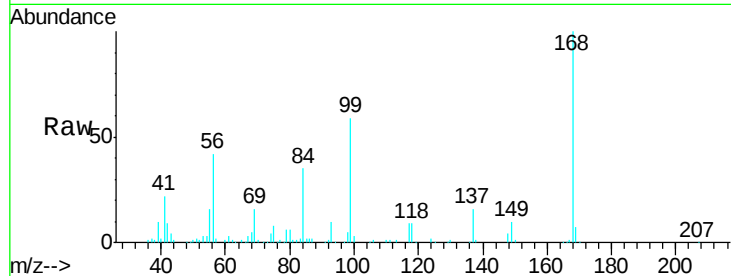
56 100

69 37.7 27.2 40.8

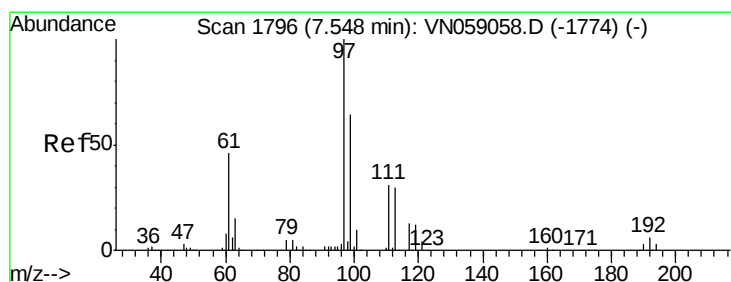
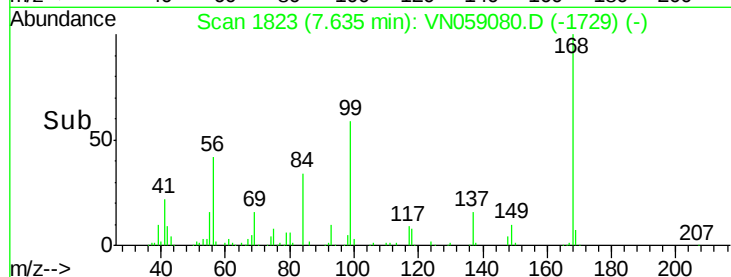
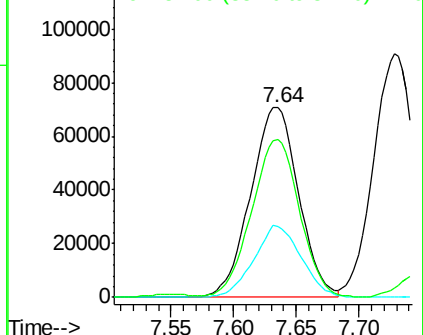
84 82.3 65.2 97.8

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11/5/2019 2:00:10 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.326 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059080.D

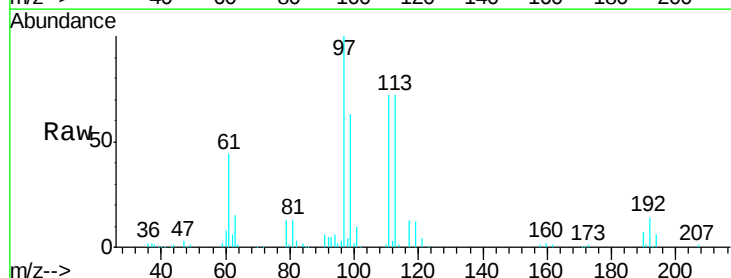
Acq: 4 Nov 2019 12:40

Tgt Ion: 97 Resp: 166325  
Ion Ratio Lower Upper

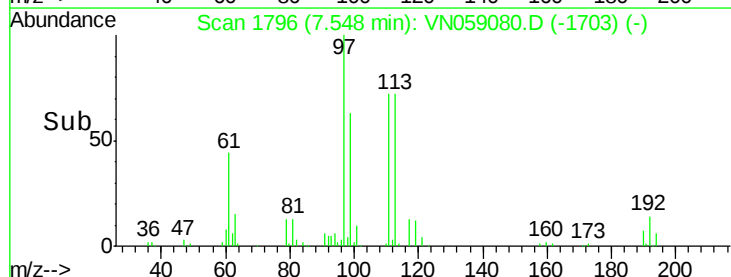
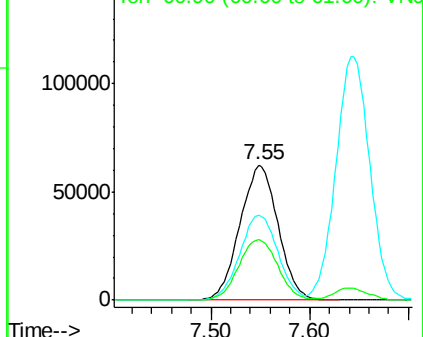
97 100

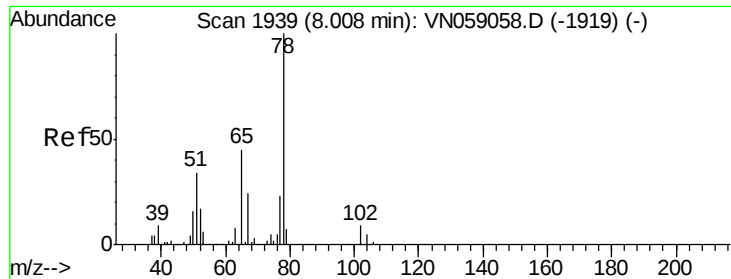
99 63.3 50.7 76.1

61 46.1 36.3 54.5



Abundance Ion 96.90 (96.60 to 97.60): VN0  
Ion 98.90 (98.60 to 99.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0





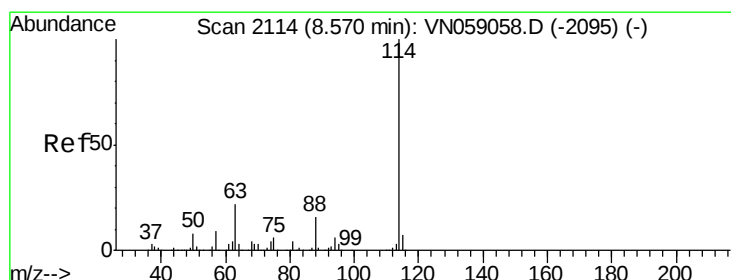
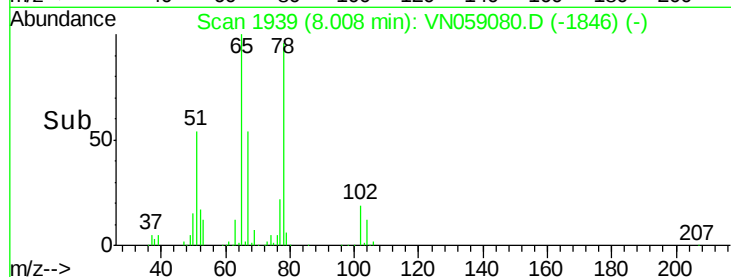
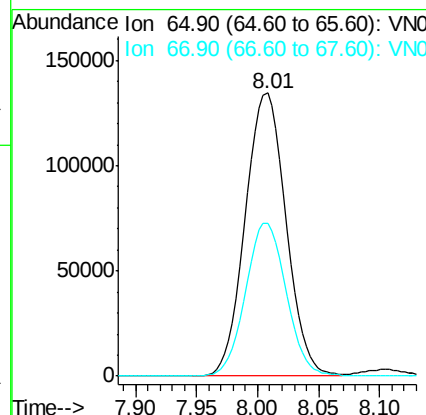
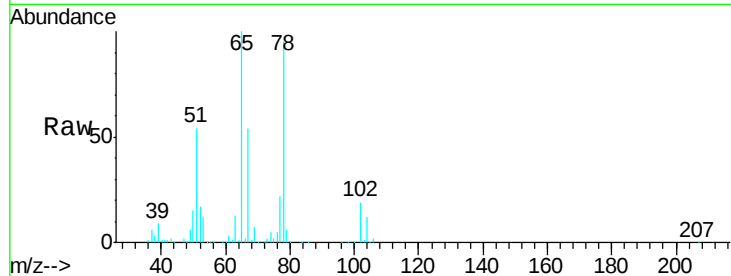
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.768 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 311665 |       |       |
| 67      | 53.9  | 0.0    | 107.6 |       |

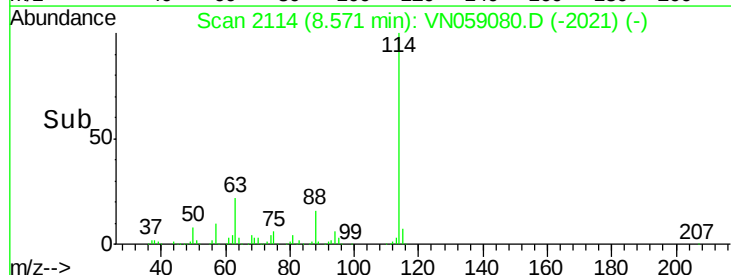
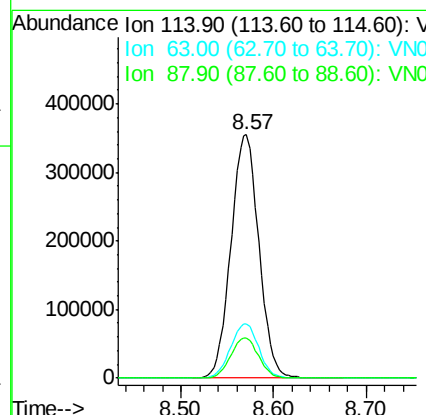
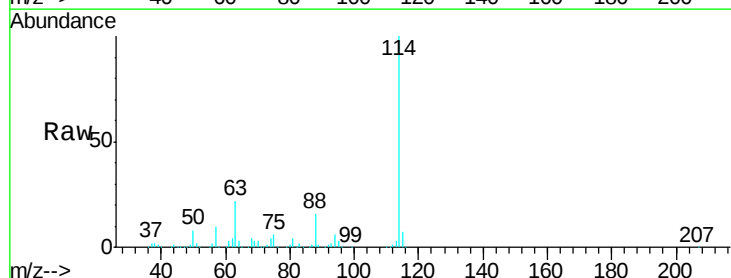
Manual Integrations  
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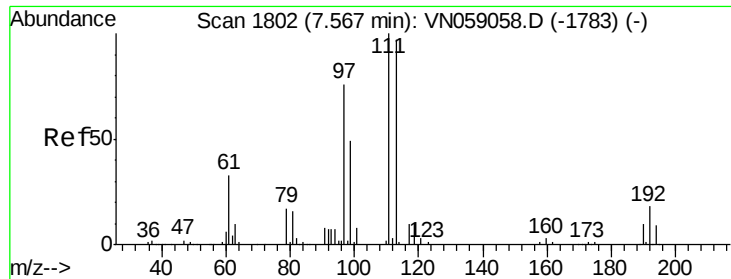
MMDadoda  
 11/5/2019 2:00:10 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 741499 |       |       |
| 63      | 22.2  | 0.0    | 43.2  |       |
| 88      | 16.3  | 0.0    | 33.0  |       |





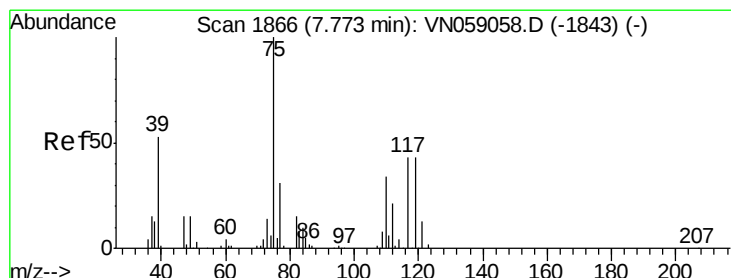
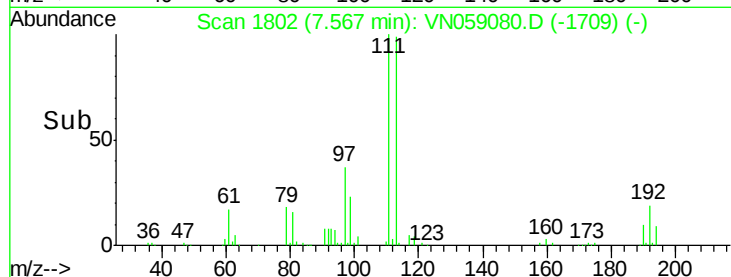
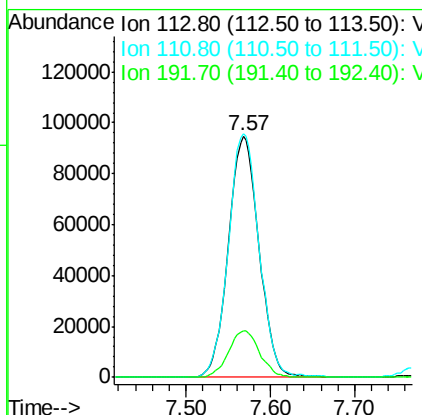
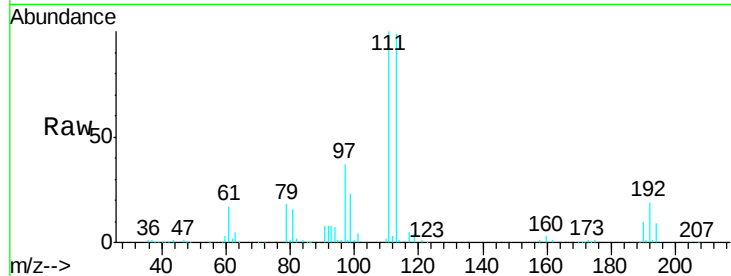
#35  
 Dibromofluoromethane  
 Concen: 50.072 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 239524 |       |       |
| 111     | 100.7 | 82.9   | 124.3 |       |
| 192     | 19.5  | 15.9   | 23.9  |       |

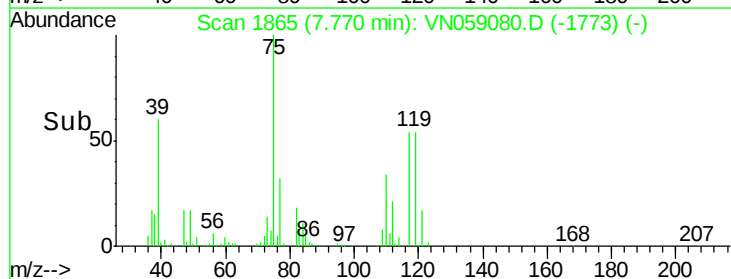
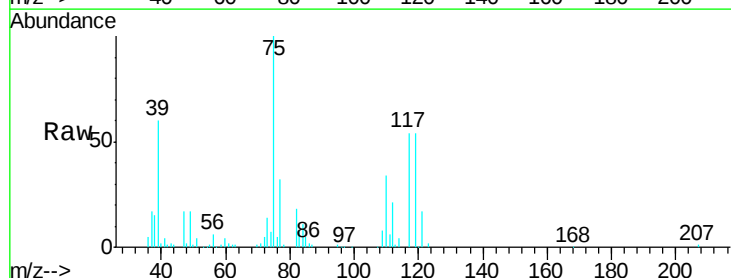
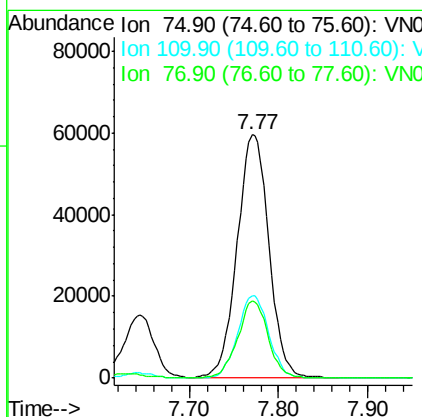
Manual Integrations  
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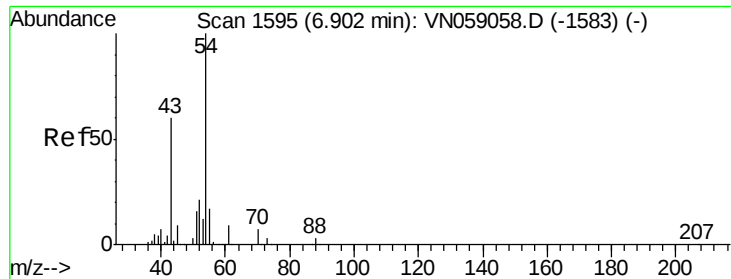
MMDadoda  
 11/5/2019 2:00:10 PM



#36  
 1,1-Dichloropropene  
 Concen: 20.079 ug/l  
 RT: 7.77 min Scan# 1865  
 Delta R.T. -0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 147978 |       |       |
| 110     | 33.0  | 16.9   | 50.6  |       |
| 77      | 30.3  | 25.0   | 37.4  |       |





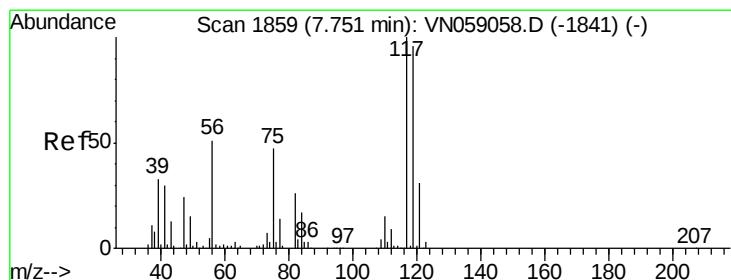
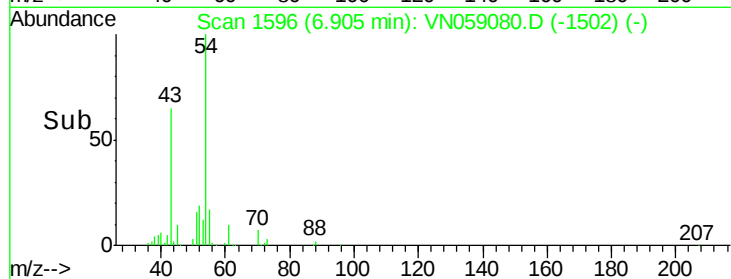
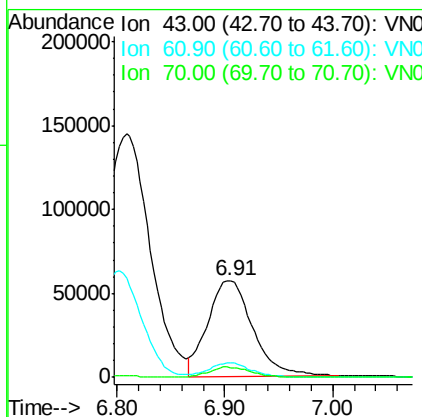
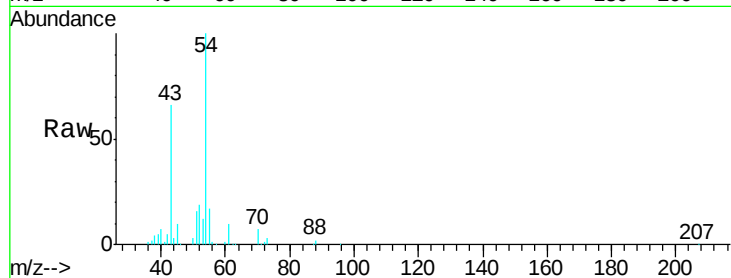
#37  
Ethyl Acetate  
Concen: 20.200 ug/l  
RT: 6.91 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.9  | 11.2  | 16.8  |
| 70      | 10.2  | 8.0   | 12.0  |

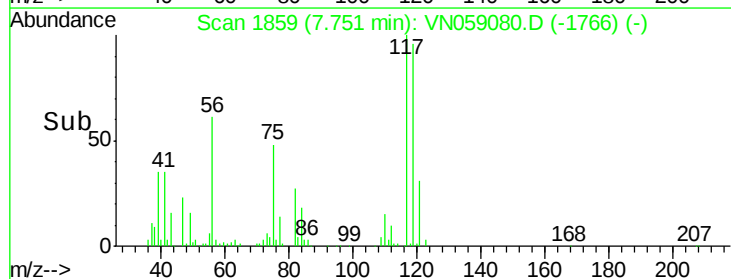
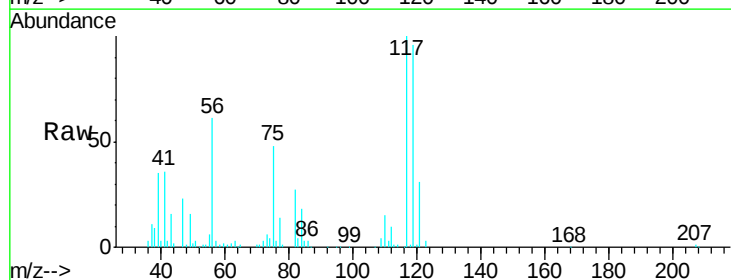
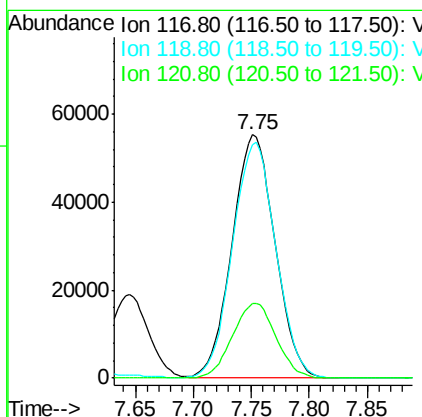
Manual Integrations  
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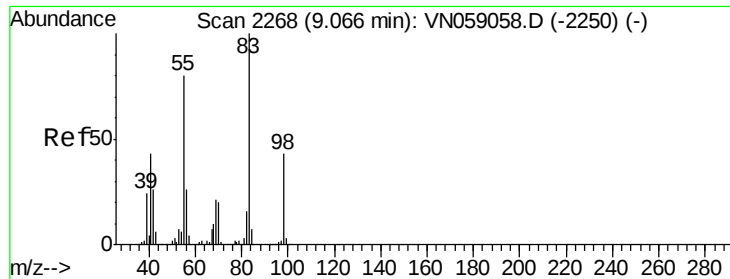
MMDadoda  
11/5/2019 2:00:10 PM



#38  
Carbon Tetrachloride  
Concen: 19.870 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.1  | 76.6  | 114.8 |
| 121     | 30.5  | 24.6  | 37.0  |





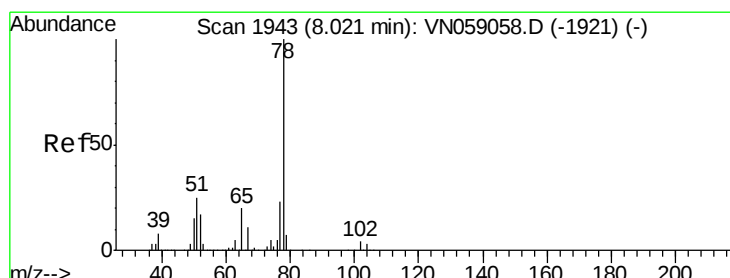
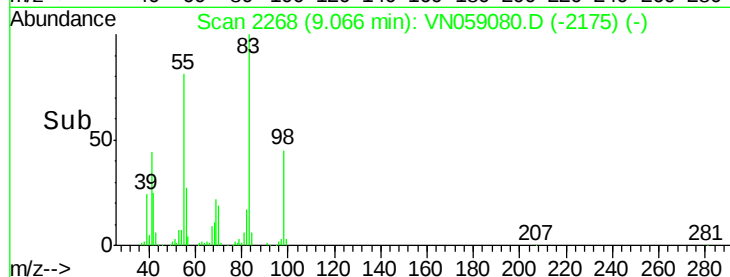
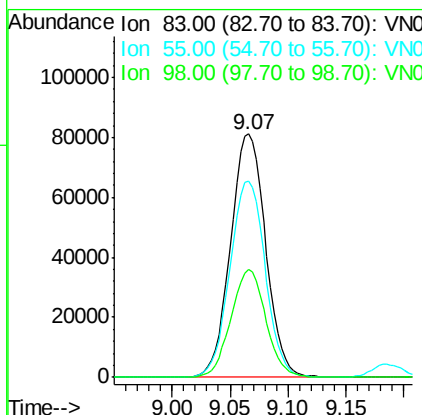
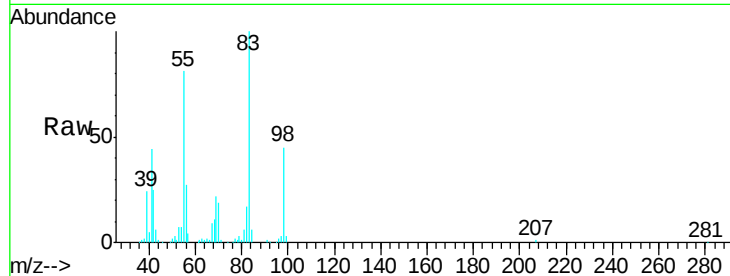
#39  
Methylcyclohexane  
Concen: 19.990 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 80.8  | 64.1  | 96.1  |
| 98      | 44.6  | 34.3  | 51.5  |

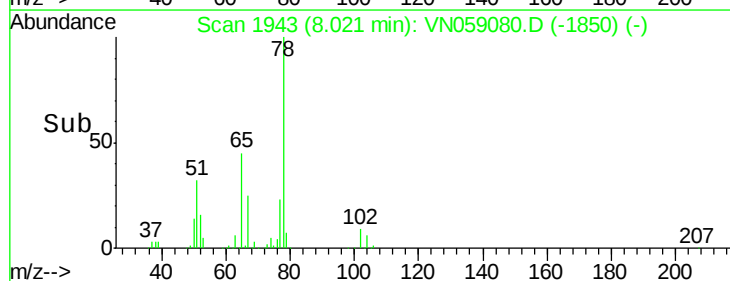
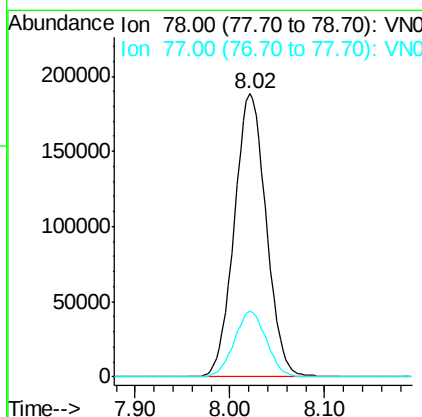
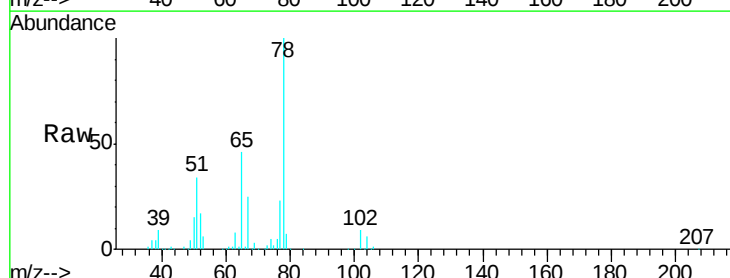
Manual Integrations  
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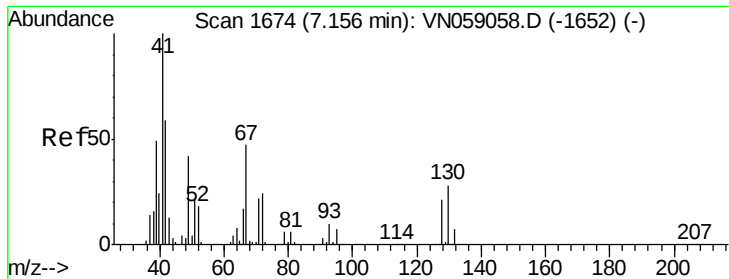
MMDadoda  
11/5/2019 2:00:10 PM



#40  
Benzene  
Concen: 20.192 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 18.6  | 27.8  |





#41

Methacrylonitrile

Concen: 18.699 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 41 Resp: 66209

Ion Ratio Lower Upper

41 100

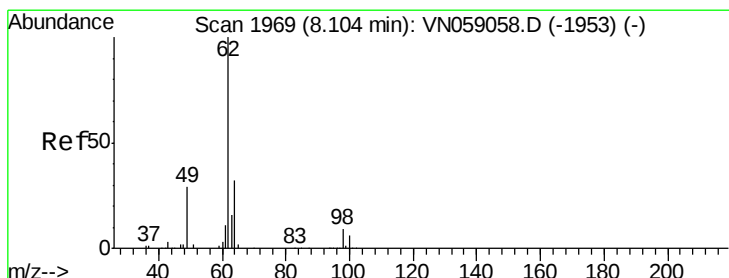
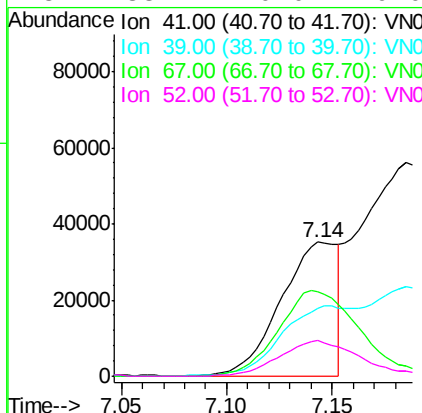
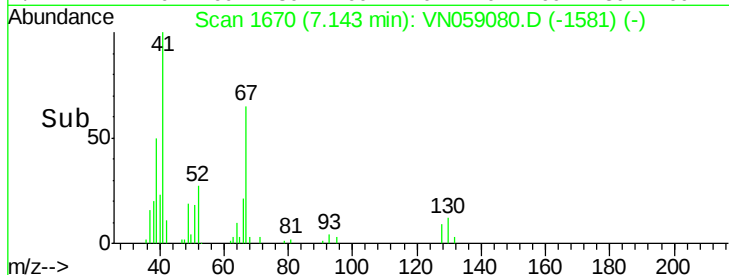
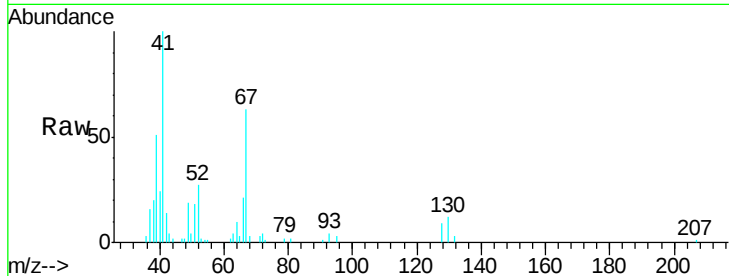
39 68.0 0.0 0.0#

67 91.7 0.0 0.0#

52 38.4 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 20.435 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059080.D

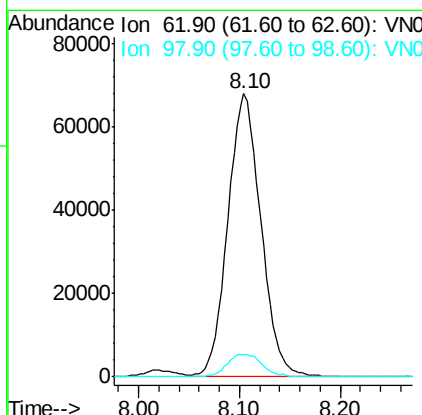
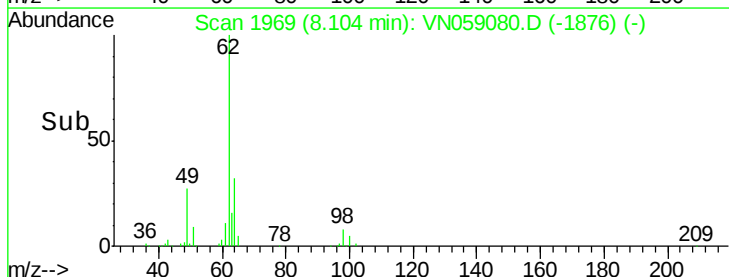
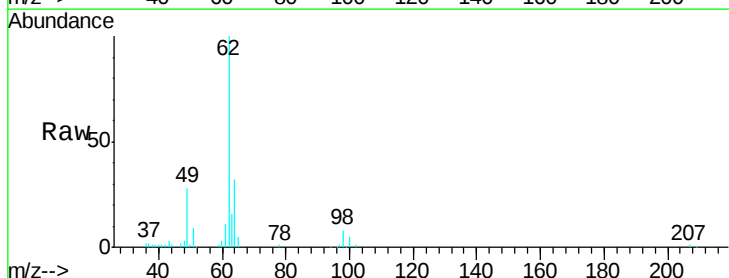
Acq: 4 Nov 2019 12:40

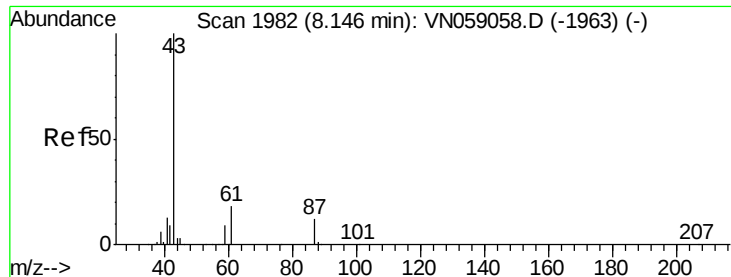
Tgt Ion: 62 Resp: 155217

Ion Ratio Lower Upper

62 100

98 8.4 0.0 18.0





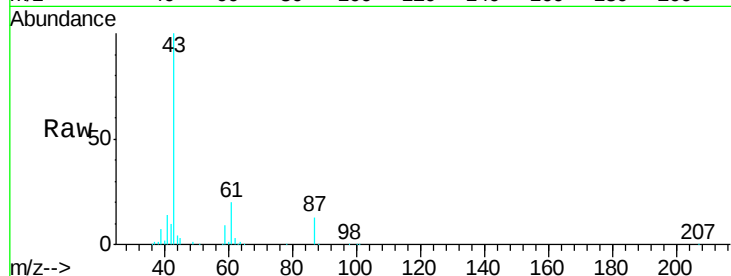
#43  
Isopropyl Acetate  
Concen: 19.895 ug/l  
RT: 8.15 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

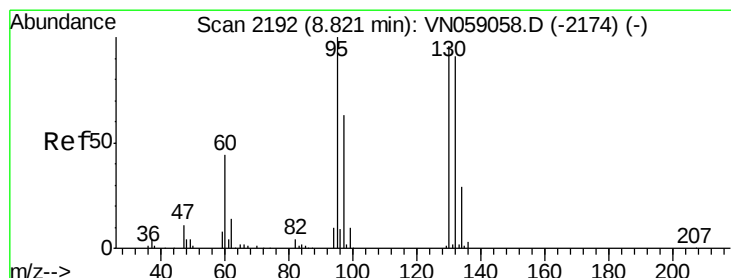
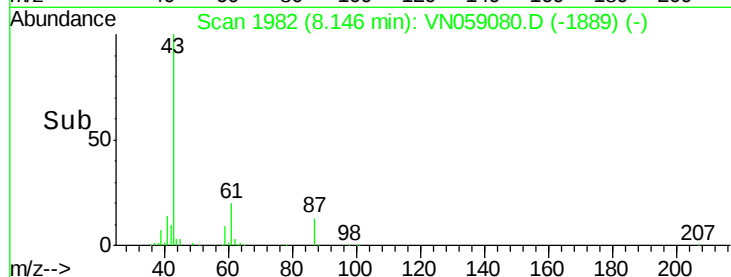
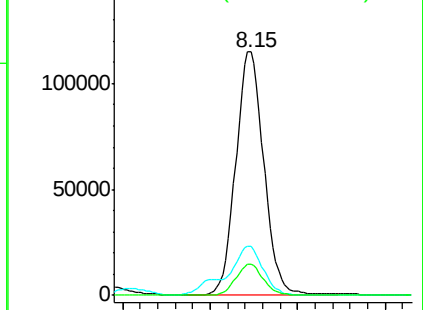
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 25.7  | 20.5  | 30.7  |
| 87      | 12.5  | 9.8   | 14.8  |

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11/5/2019 2:00:10 PM

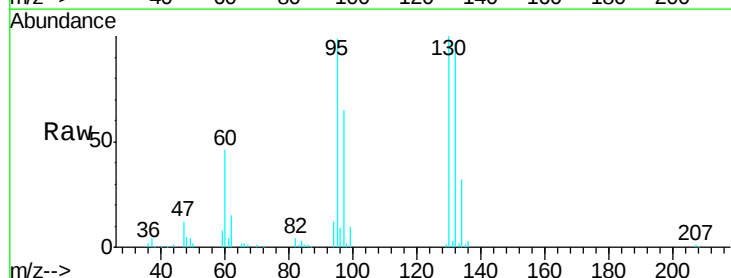


Abundance Ion 43.00 (42.70 to 43.70): VN059080.D (-1889) (-)  
Ion 61.00 (60.70 to 61.70): VN059080.D (-1889) (-)  
Ion 87.00 (86.70 to 87.70): VN059080.D (-1889) (-)

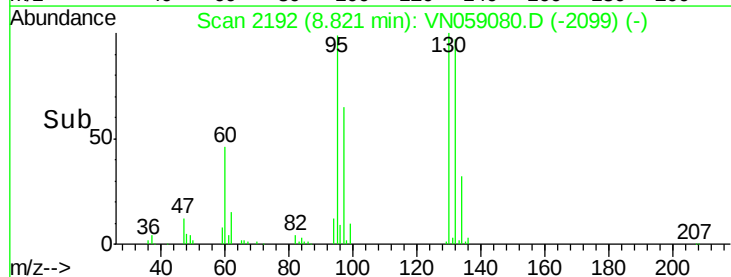
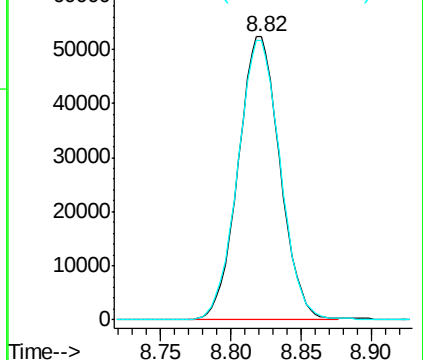


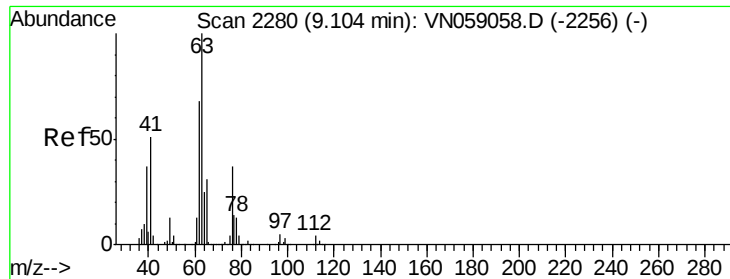
#44  
Trichloroethene  
Concen: 20.110 ug/l  
RT: 8.82 min Scan# 2192  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 98.9  | 0.0   | 207.6 |



Abundance Ion 129.80 (129.50 to 130.50): VN059080.D (-2099) (-)  
Ion 94.90 (94.60 to 95.60): VN059080.D (-2099) (-)





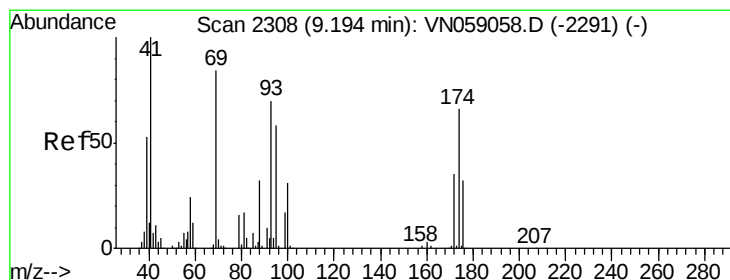
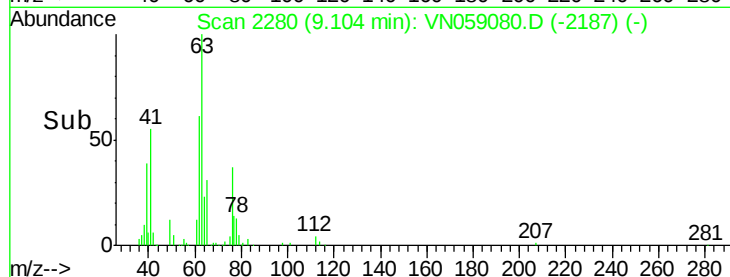
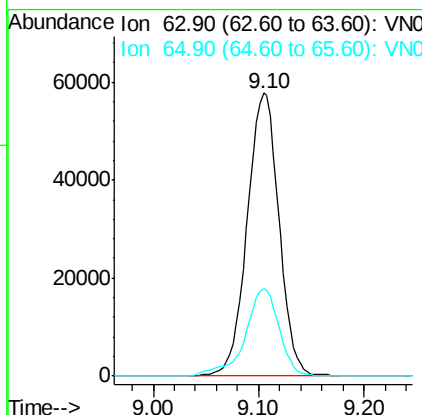
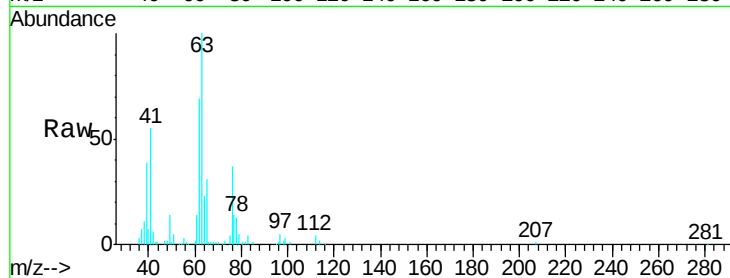
#45  
 1,2-Dichloropropane  
 Concen: 20.514 ug/l  
 RT: 9.10 min Scan# 2280  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.9  | 25.0  | 37.6  |

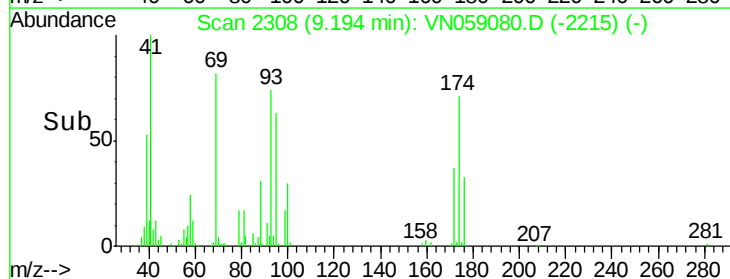
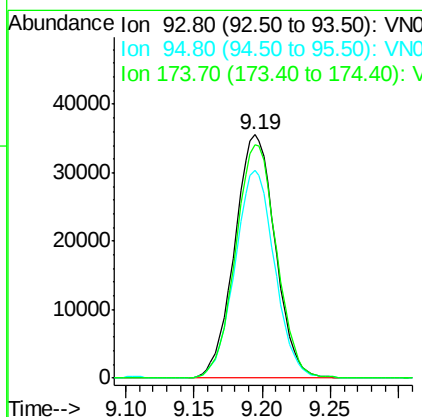
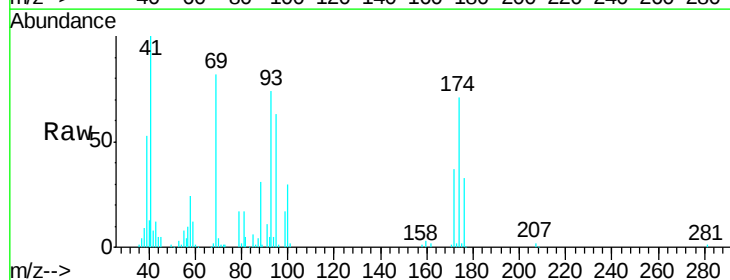
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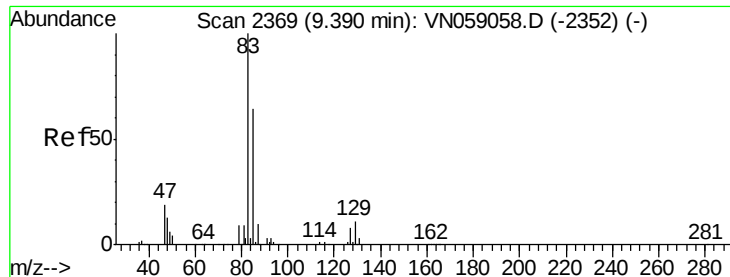
MMDadoda  
 11/5/2019 2:00:10 PM



#46  
 Dibromomethane  
 Concen: 20.123 ug/l  
 RT: 9.19 min Scan# 2308  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.5  | 67.2  | 100.8 |
| 174     | 96.2  | 78.3  | 117.5 |





#47

Bromodichloromethane

Concen: 20.013 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

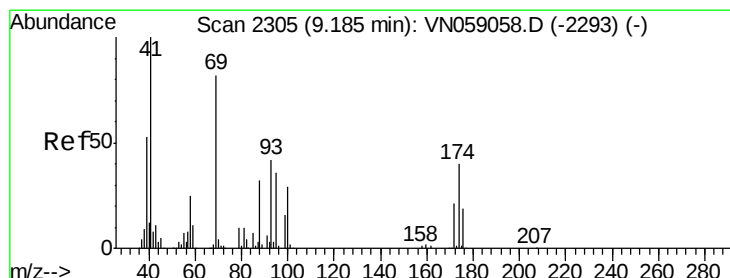
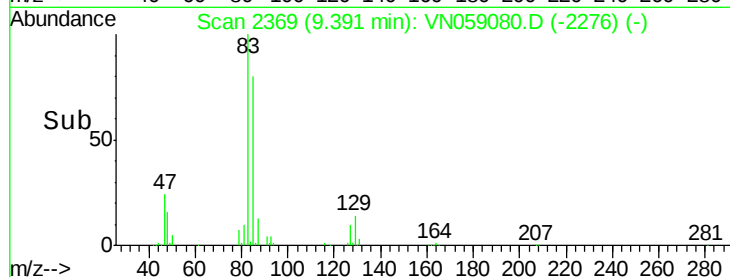
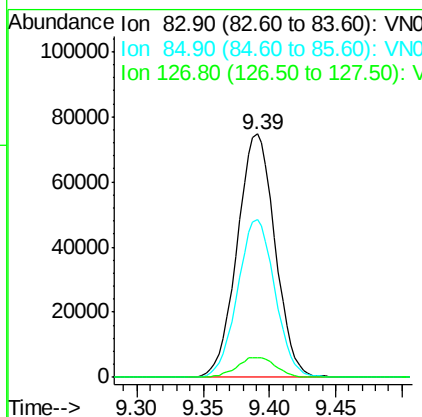
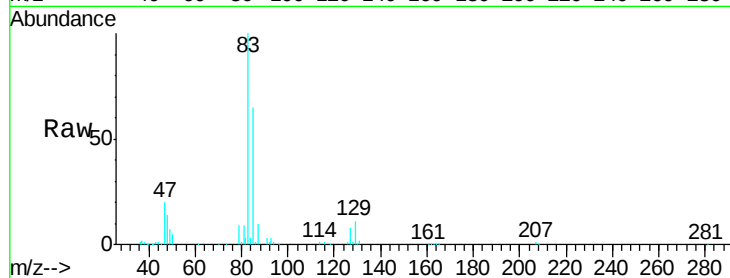
ClientSampleId :

VN1104WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 148167 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.9  | 51.2  | 76.8   |
| 127       | 8.0   | 6.5   | 9.7    |

Manual Integrations  
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MMDadoda  
11/5/2019 2:00:10 PM



#48

Methyl methacrylate

Concen: 19.355 ug/l

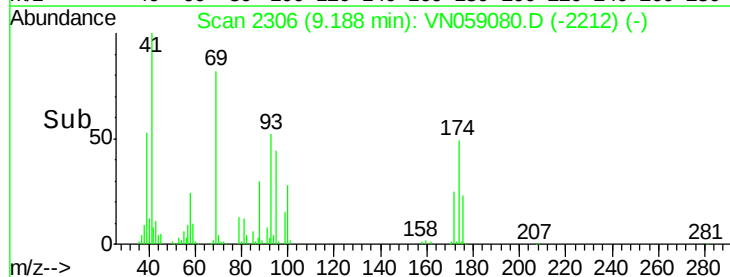
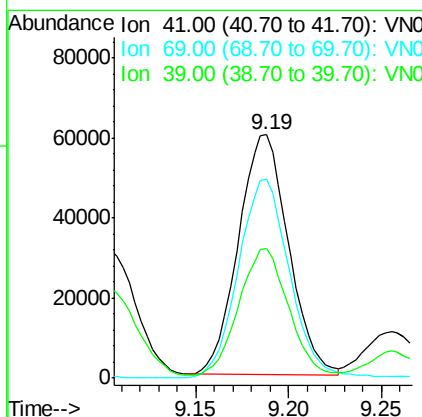
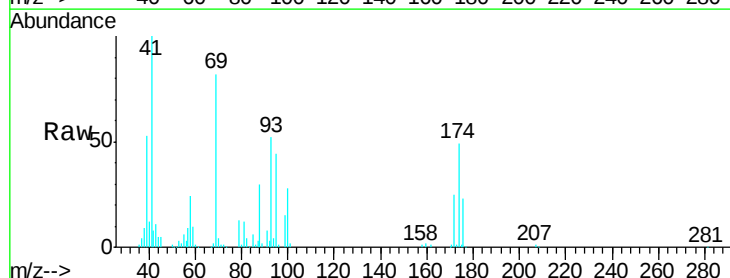
RT: 9.19 min Scan# 2306

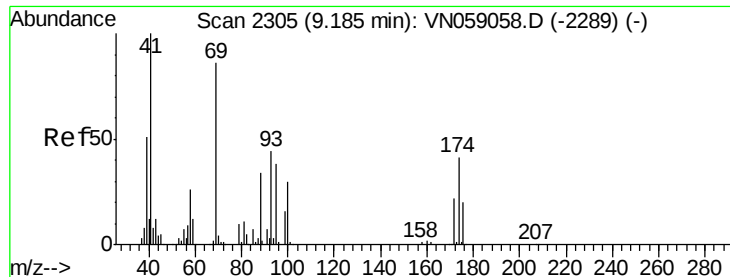
Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 113005 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 84.6  | 67.1  | 100.7  |
| 39        | 54.0  | 43.3  | 64.9   |





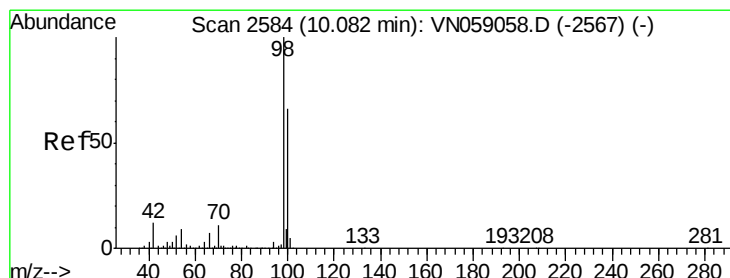
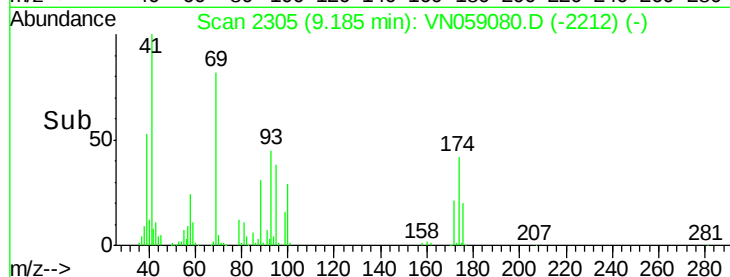
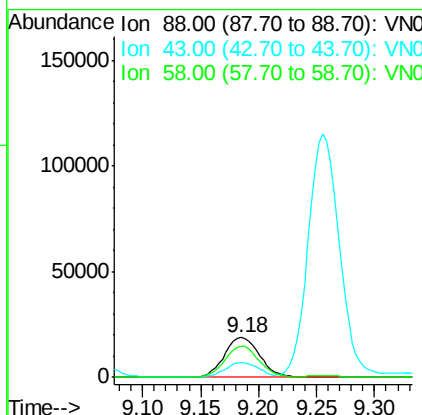
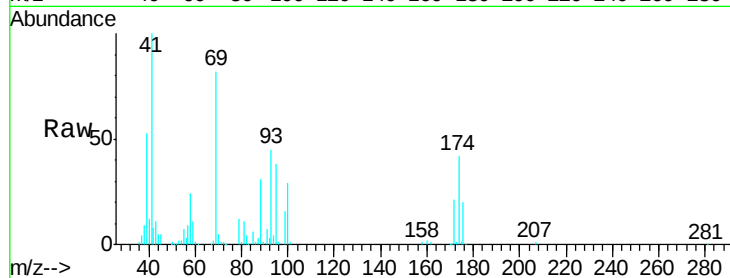
#49  
1,4-Dioxane  
Concen: 423.251 ug/l  
RT: 9.18 min Scan# 2305  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.3  | 26.2  | 39.2  |
| 58      | 75.4  | 59.1  | 88.7  |

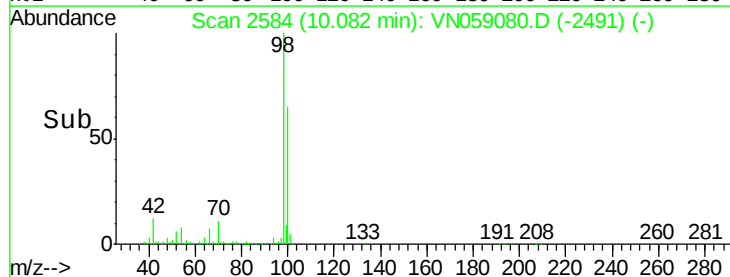
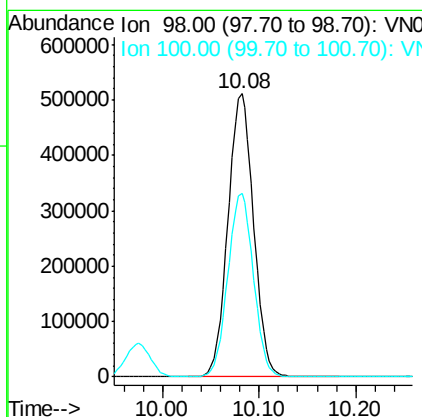
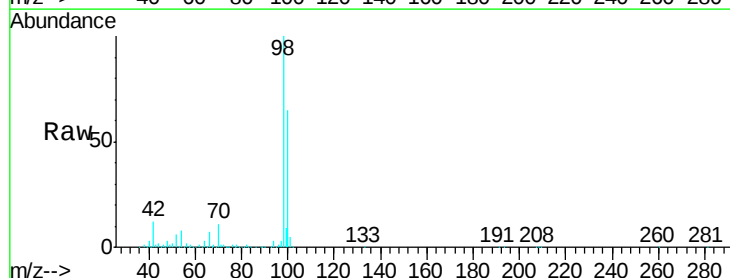
Manual Integrations  
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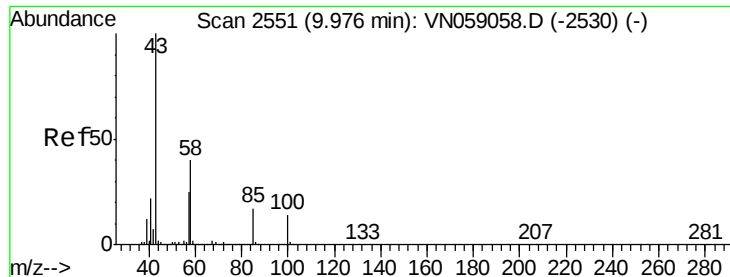
MMDadoda  
11/5/2019 2:00:10 PM



#50  
Toluene-d8  
Concen: 50.418 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 51.7  | 77.5  |





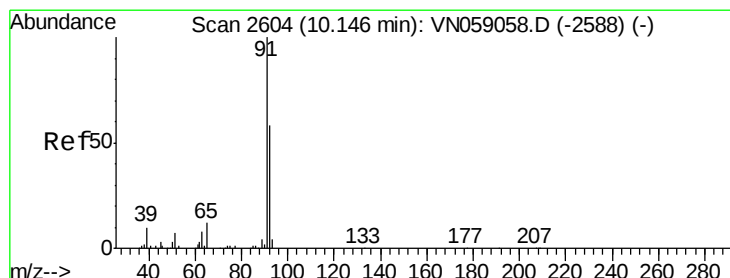
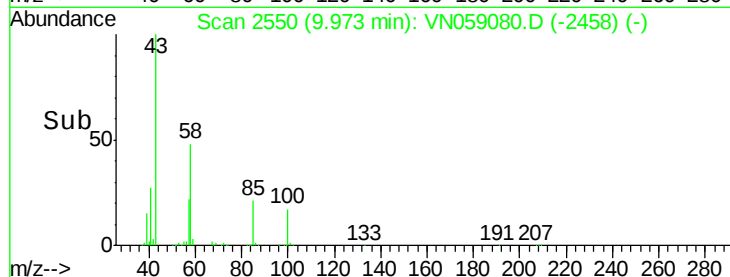
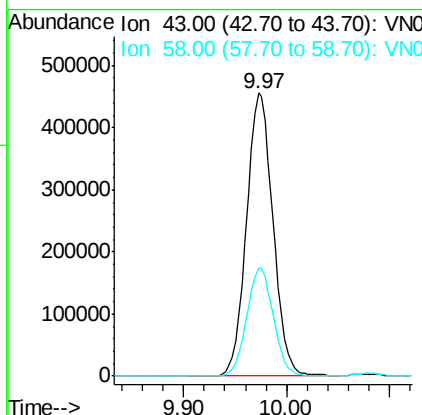
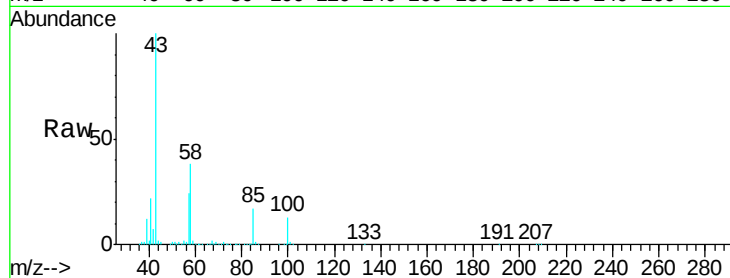
#51  
4-Methyl-2-Pentanone  
Concen: 109.128 ug/l  
RT: 9.97 min Scan# 2550  
Delta R.T. -0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

Tgt Ion: 43 Resp: 811775  
Ion Ratio Lower Upper  
43 100  
58 38.5 31.8 47.6

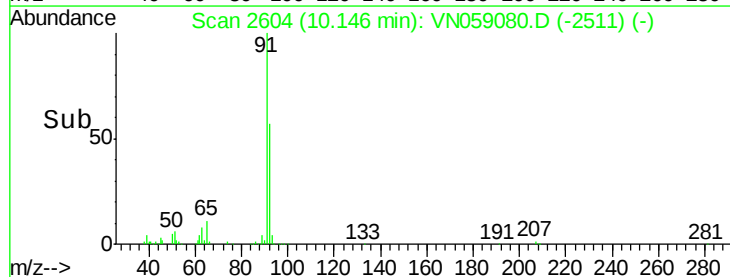
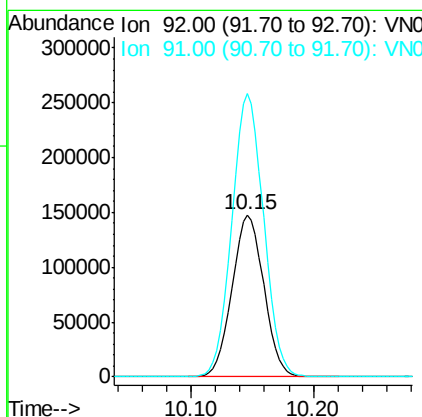
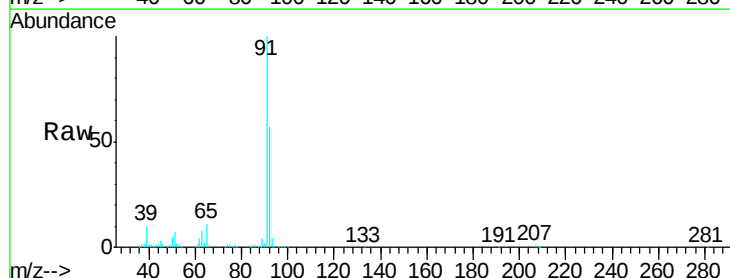
Manual Integrations  
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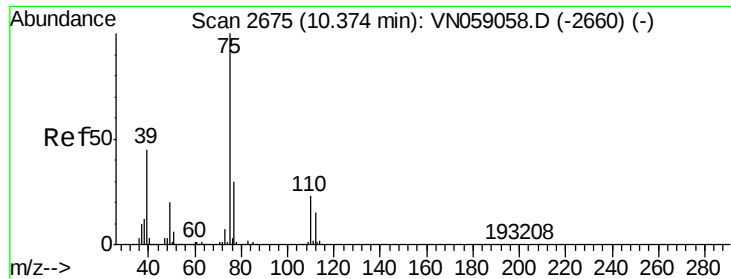
MMDadoda  
11/5/2019 2:00:10 PM



#52  
Toluene  
Concen: 20.854 ug/l  
RT: 10.15 min Scan# 2604  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Tgt Ion: 92 Resp: 267247  
Ion Ratio Lower Upper  
92 100  
91 174.4 138.7 208.1





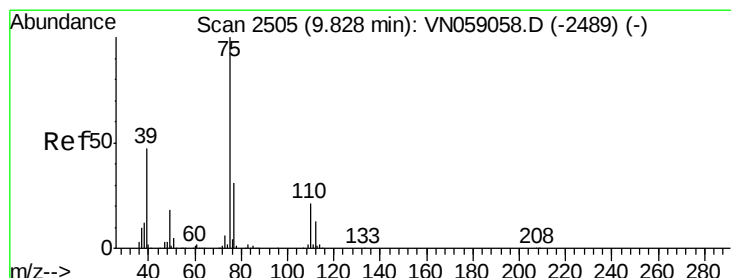
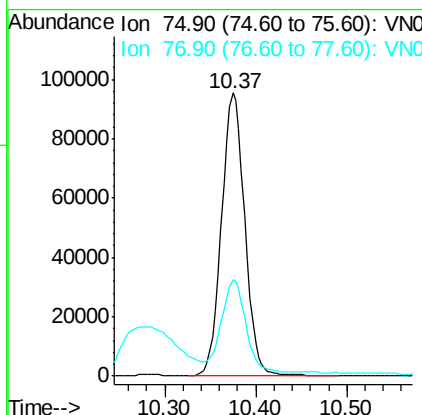
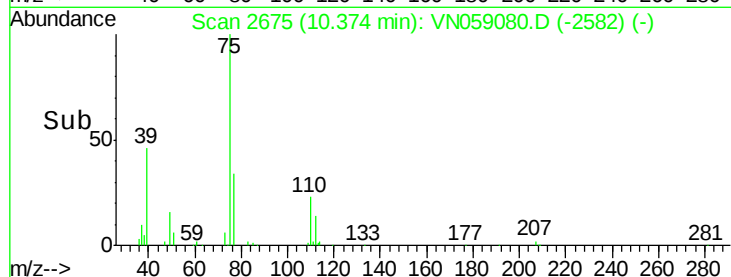
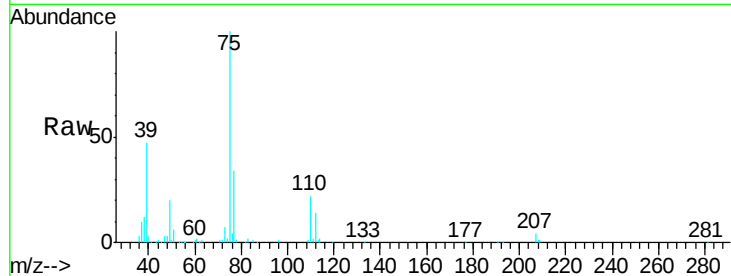
#53  
t-1,3-Dichloropropene  
Concen: 19.717 ug/l  
RT: 10.37 min Scan# 2675  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

Tgt Ion: 75 Resp: 168792  
Ion Ratio Lower Upper  
75 100  
77 32.7 25.6 38.4

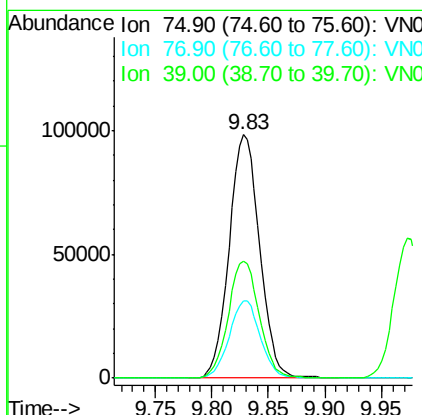
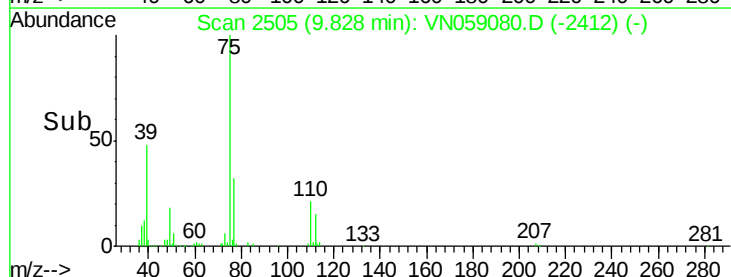
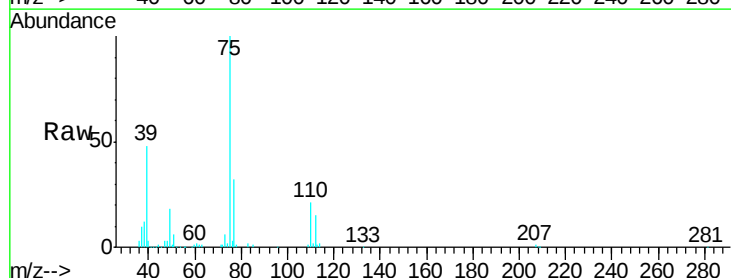
Manual Integrations  
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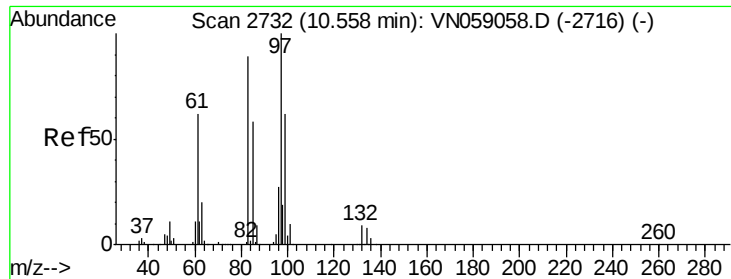
MMDadoda  
11/5/2019 2:00:10 PM



#54  
cis-1,3-Dichloropropene  
Concen: 20.390 ug/l  
RT: 9.83 min Scan# 2505  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Tgt Ion: 75 Resp: 184115  
Ion Ratio Lower Upper  
75 100  
77 31.6 24.6 37.0  
39 48.1 37.4 56.2





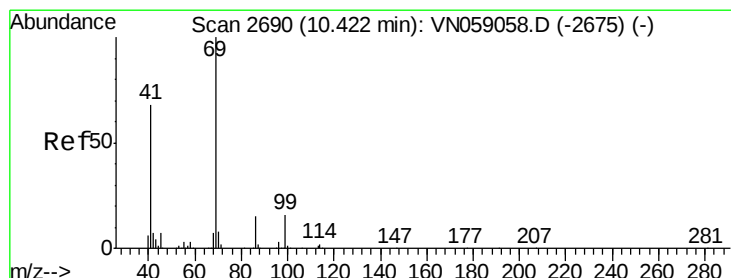
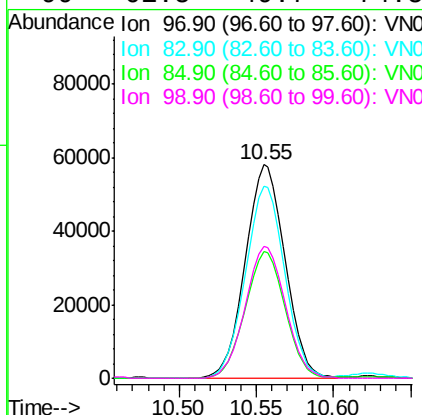
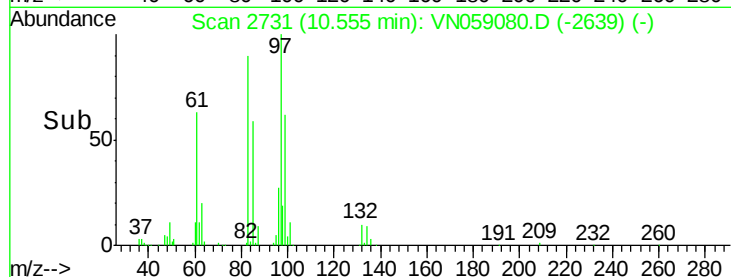
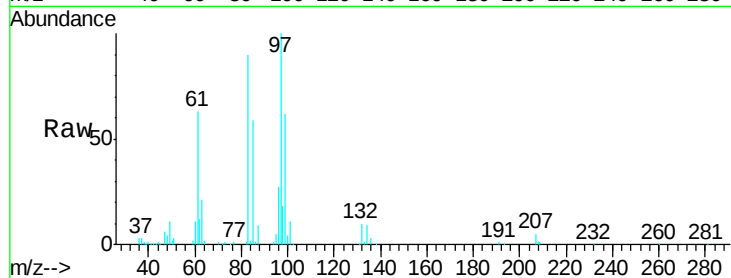
#55  
 1,1,2-Trichloroethane  
 Concen: 19.926 ug/l  
 RT: 10.55 min Scan# 2731  
 Delta R.T. -0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 104020 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 90.2  | 71.4  | 107.2  |
| 85       | 59.2  | 46.6  | 70.0   |
| 99       | 61.5  | 49.7  | 74.5   |

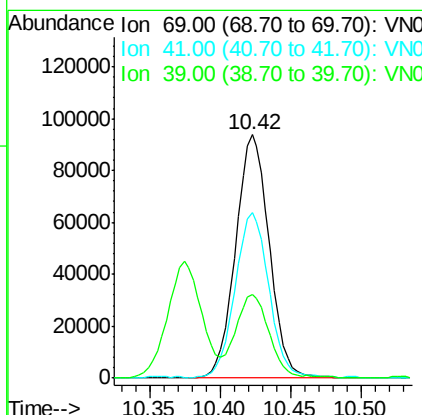
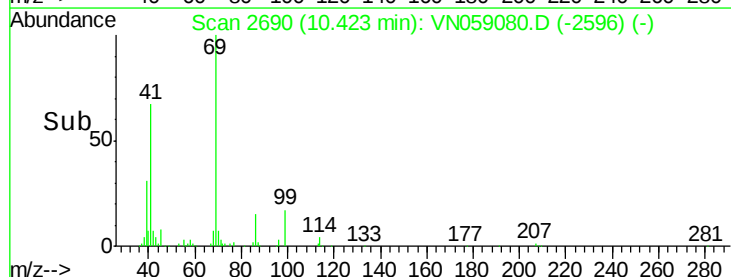
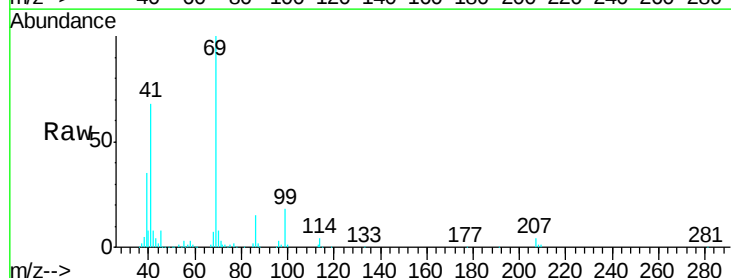
Manual Integrations  
 APPROVED

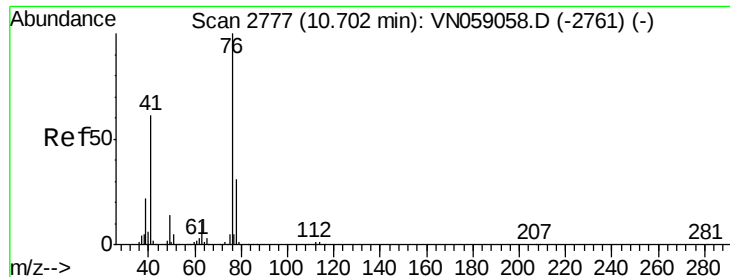
MMDadoda  
 11/5/2019 2:00:10 PM



#56  
 Ethyl methacrylate  
 Concen: 18.917 ug/l  
 RT: 10.42 min Scan# 2690  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 156956 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 67.8  | 53.8  | 80.8   |
| 39       | 34.1  | 26.2  | 39.2   |





#57

1,3-Dichloropropane

Concen: 20.295 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 76 Resp: 184251

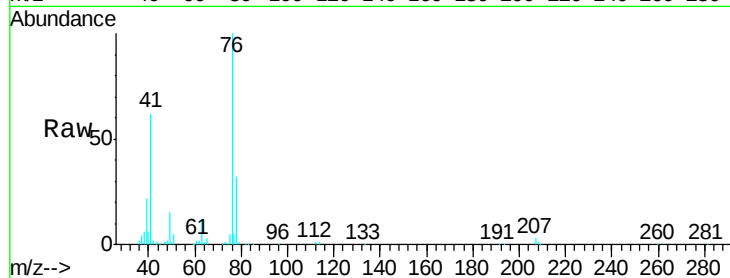
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6

Manual Integrations  
APPROVED

MMDadoda  
11/5/2019 2:00:10 PM



Abundance Ion 75.90 (75.60 to 76.60): VN059080.D (-2684) (-)

Ion 77.90 (77.60 to 78.60): VN059080.D (-2684) (-)

10.70

120000

100000

80000

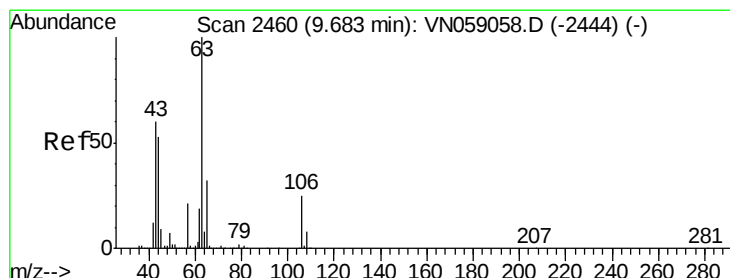
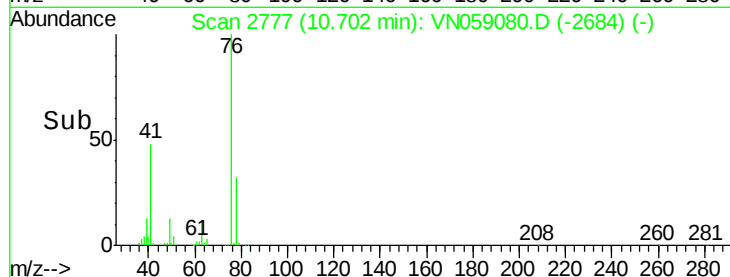
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.887 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059080.D

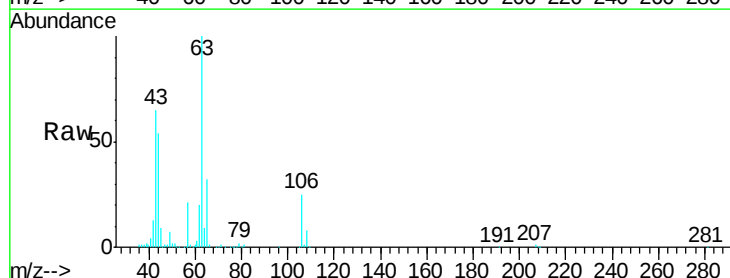
Acq: 4 Nov 2019 12:40

Tgt Ion: 63 Resp: 322077

Ion Ratio Lower Upper

63 100

106 25.1 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN059080.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN059080.D (-2366) (-)

9.68

200000

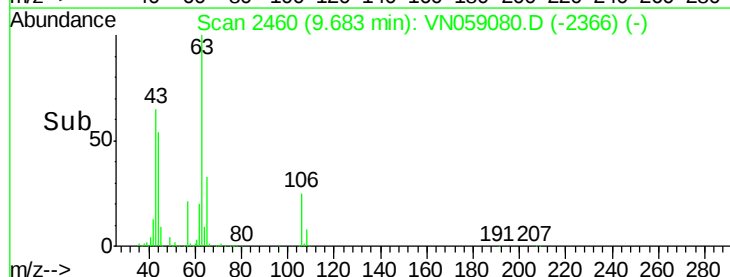
150000

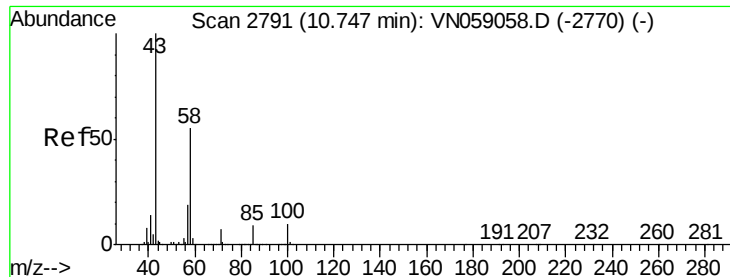
100000

50000

0

Time-->





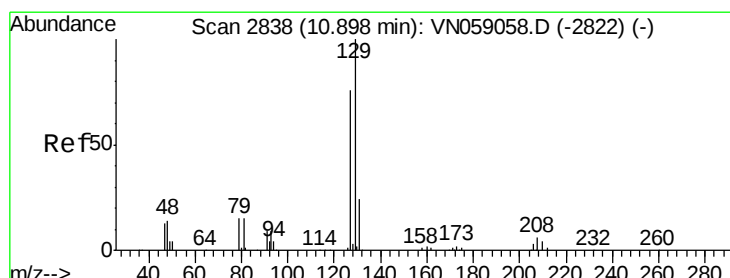
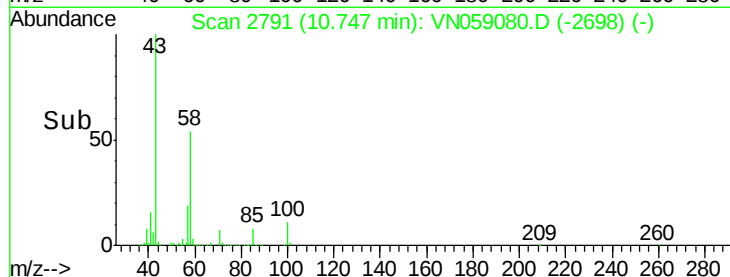
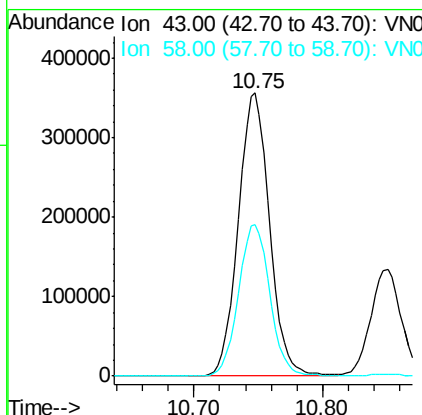
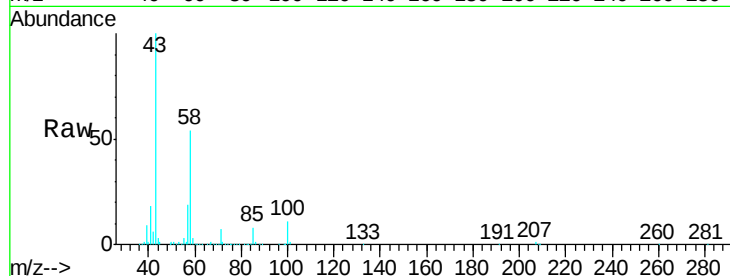
#59  
2-Hexanone  
Concen: 106.115 ug/l  
RT: 10.75 min Scan# 2791  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

Tgt Ion: 43 Resp: 599677  
Ion Ratio Lower Upper  
43 100  
58 54.0 27.4 82.2

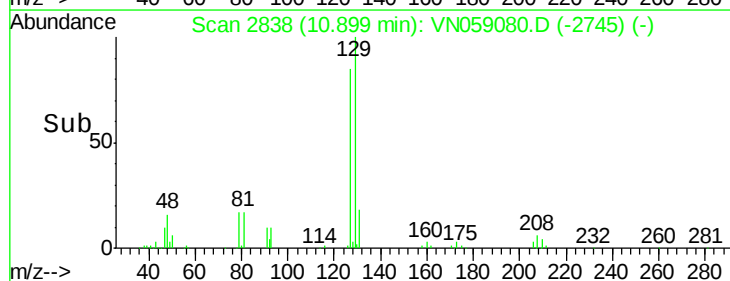
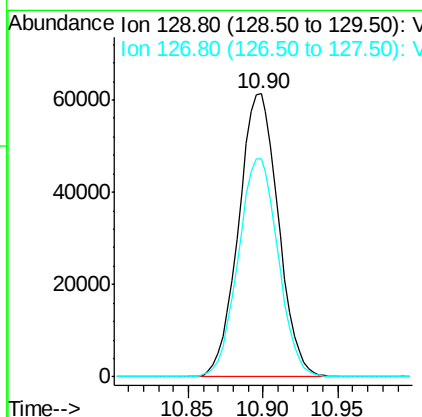
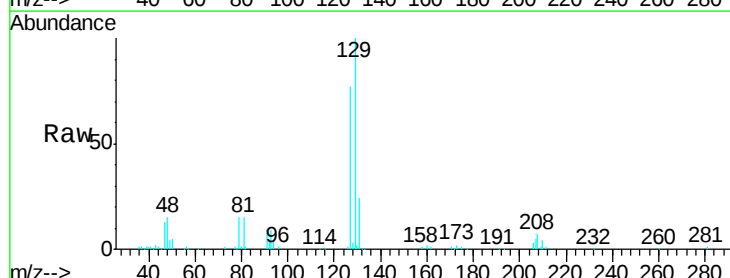
Manual Integrations  
APPROVED

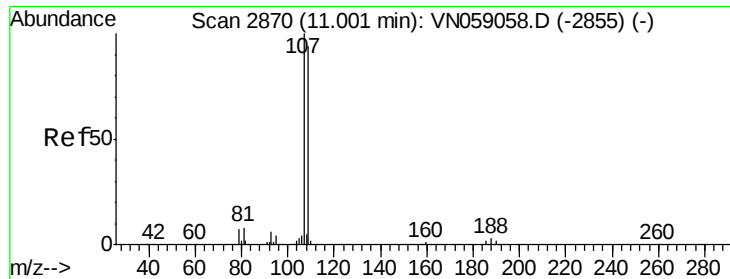
MMDadoda  
11/5/2019 2:00:10 PM



#60  
Dibromochloromethane  
Concen: 20.184 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Tgt Ion: 129 Resp: 113551  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.3 114.8





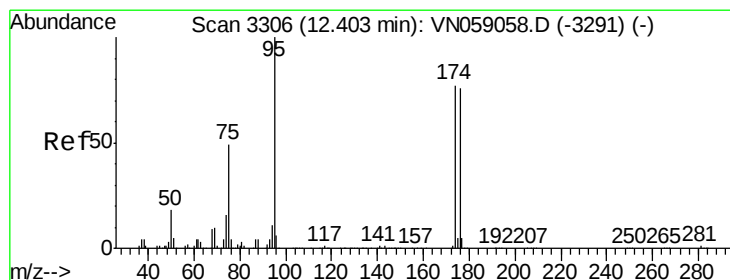
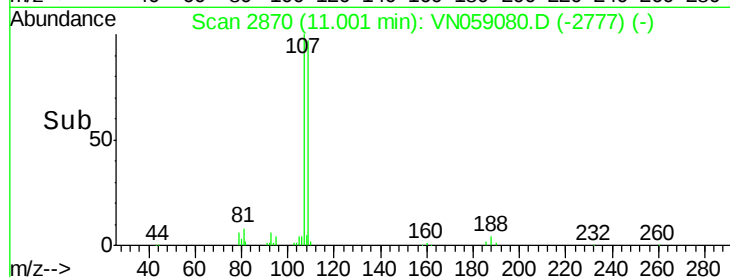
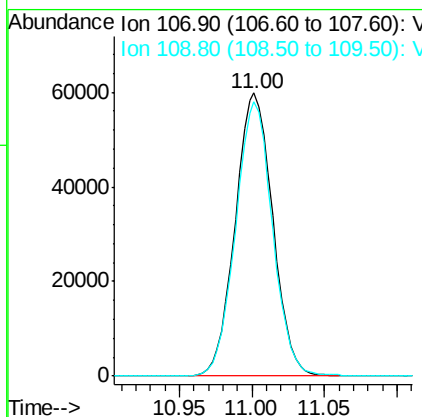
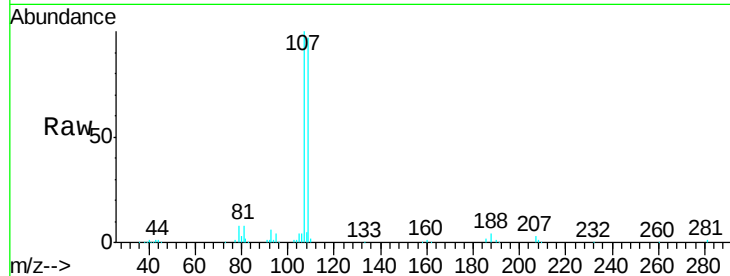
#61  
 1,2-Dibromoethane  
 Concen: 20.339 ug/l  
 RT: 11.00 min Scan# 2870  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

Tgt Ion: 107 Resp: 107564  
 Ion Ratio Lower Upper  
 107 100  
 109 95.4 75.5 113.3

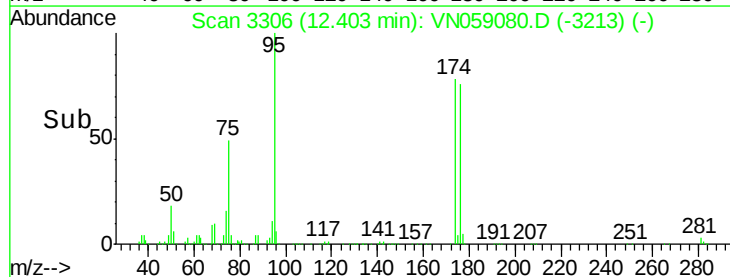
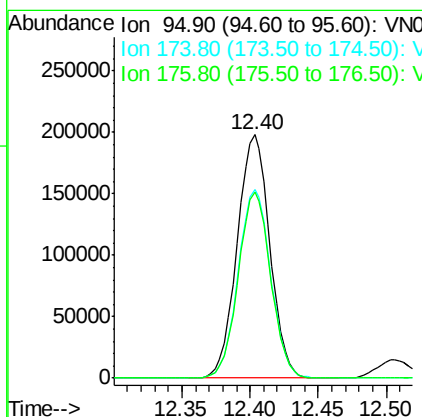
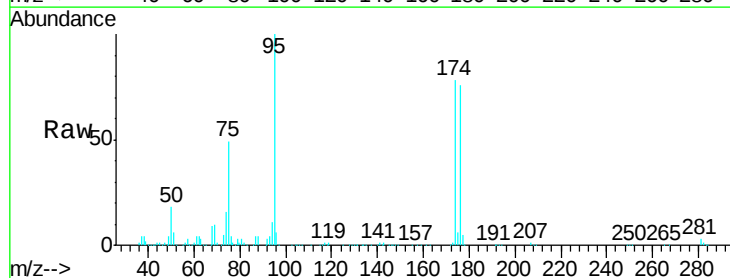
Manual Integrations  
 APPROVED

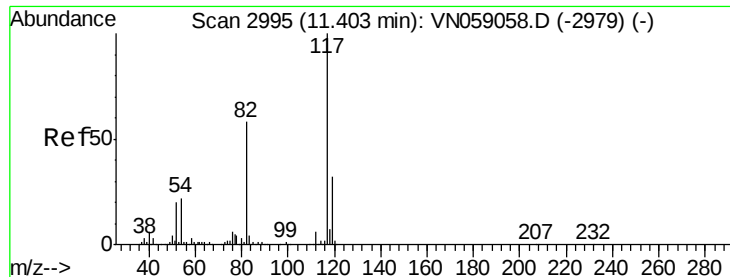
MMDadoda  
 11/5/2019 2:00:10 PM



#62  
 4-Bromofluorobenzene  
 Concen: 49.097 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Tgt Ion: 95 Resp: 328690  
 Ion Ratio Lower Upper  
 95 100  
 174 77.6 0.0 155.8  
 176 75.8 0.0 151.6





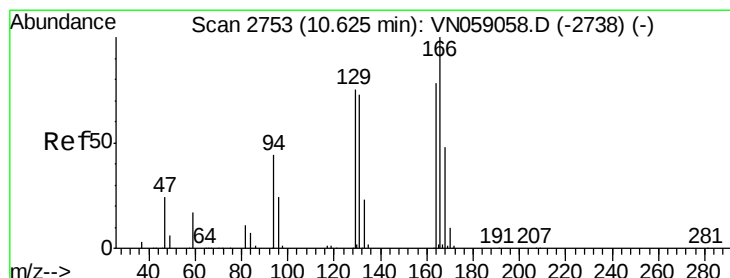
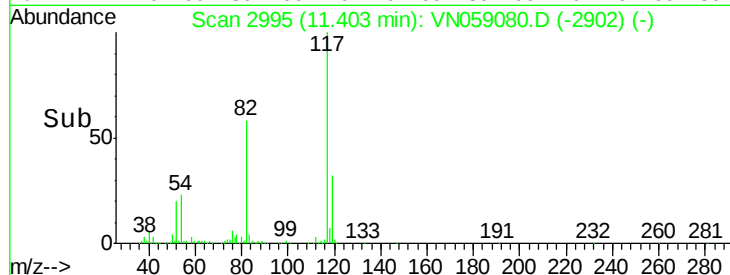
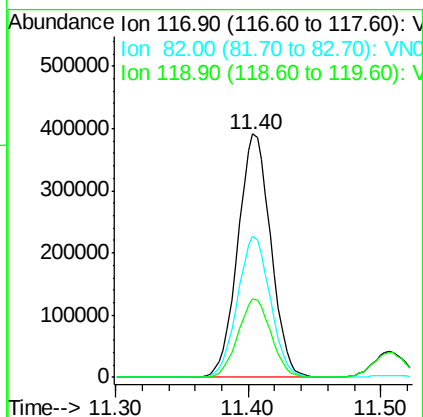
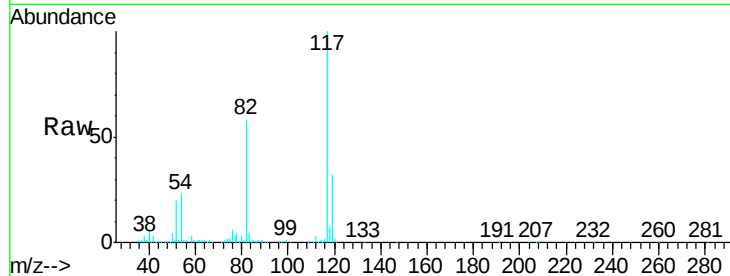
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampled :  
VN1104WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 674421 |       |       |
| 82      | 57.7  | 46.0   | 69.0  |       |
| 119     | 32.3  | 25.6   | 38.4  |       |

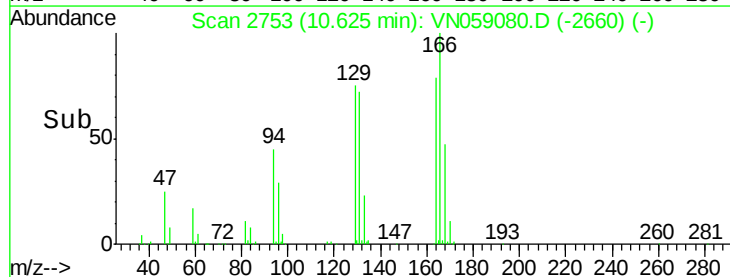
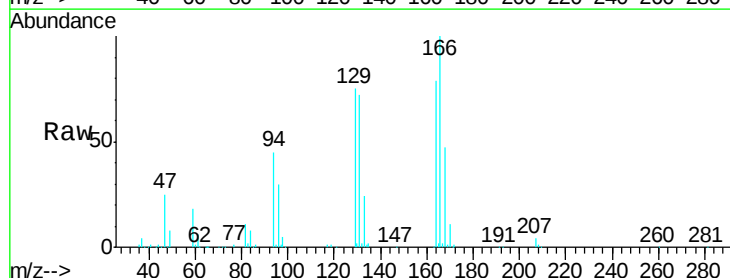
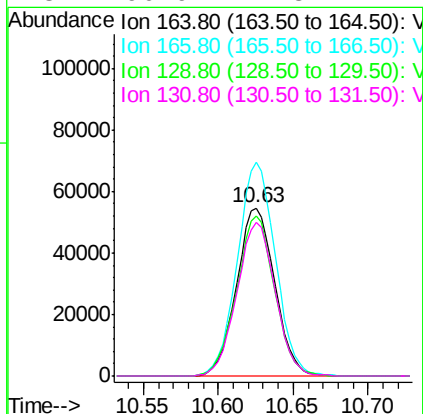
Manual Integrations  
APPROVED

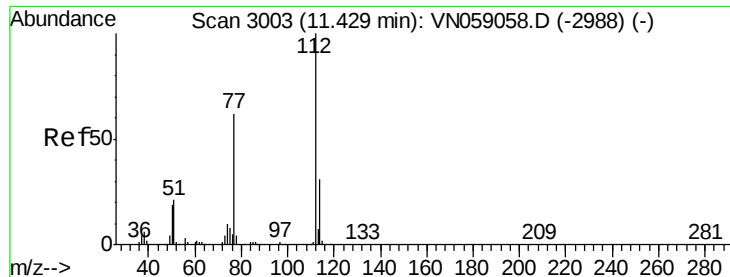
MMDadoda  
11/5/2019 2:00:10 PM



#64  
Tetrachloroethene  
Concen: 20.605 ug/l  
RT: 10.63 min Scan# 2753  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 97074 |       |       |
| 166     | 126.9 | 102.7 | 154.1 |       |
| 129     | 95.4  | 77.3  | 115.9 |       |
| 131     | 90.9  | 74.8  | 112.2 |       |





#65

Chlorobenzene

Concen: 19.966 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion:112 Resp: 276366

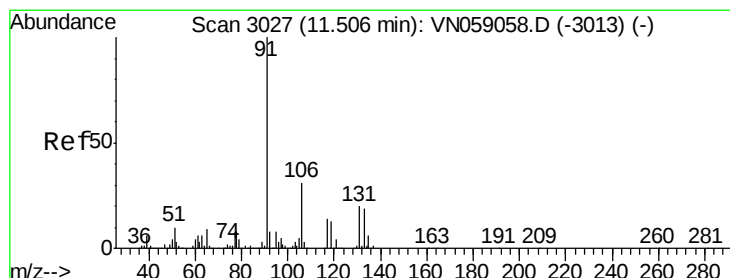
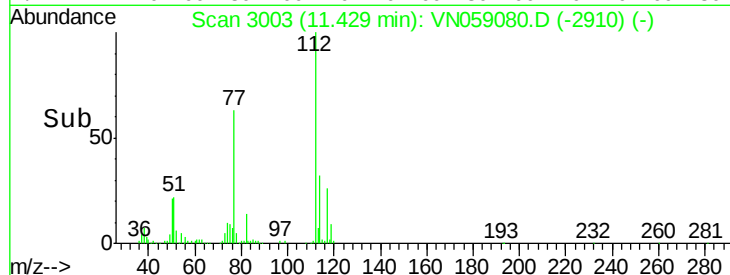
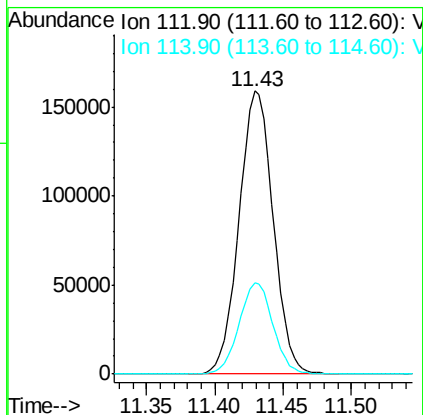
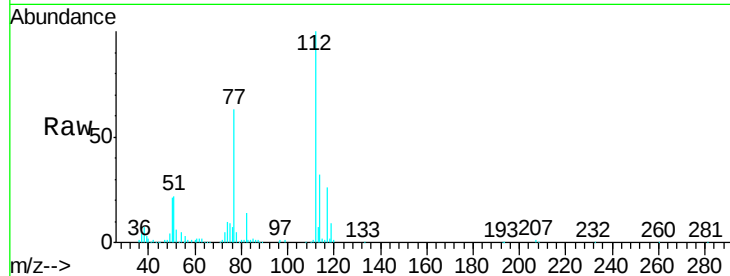
Ion Ratio Lower Upper

112 100

114 32.2 25.0 37.6

Manual Integrations  
APPROVED

MMDadoda  
11/5/2019 2:00:10 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.549 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

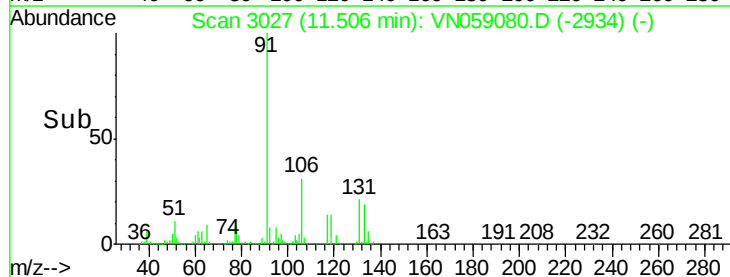
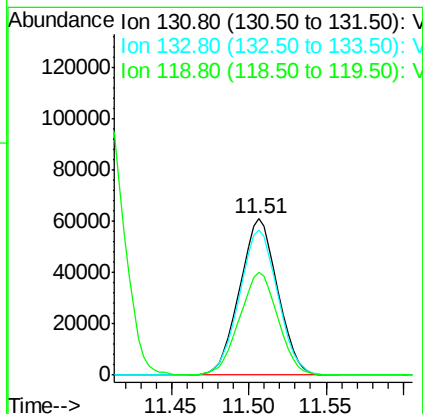
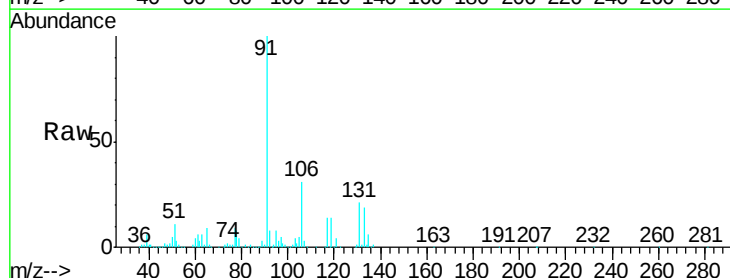
Tgt Ion:131 Resp: 104646

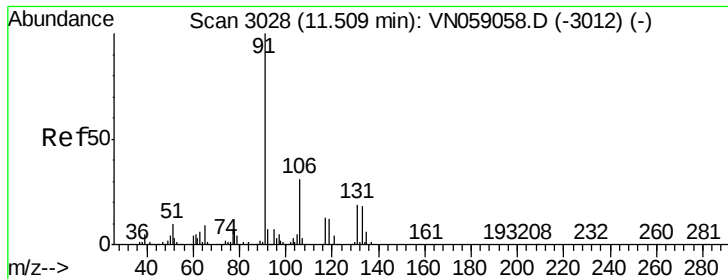
Ion Ratio Lower Upper

131 100

133 93.6 47.9 143.6

119 66.5 33.5 100.5





#67

Ethyl Benzene

Concen: 20.866 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 91 Resp: 499990

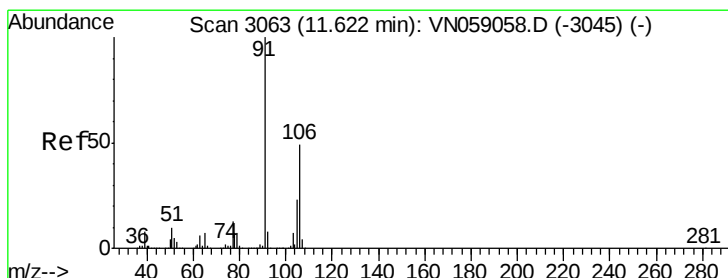
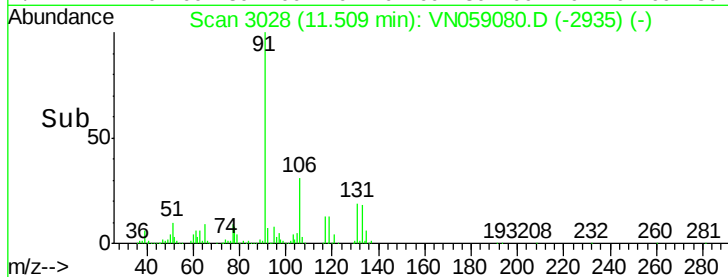
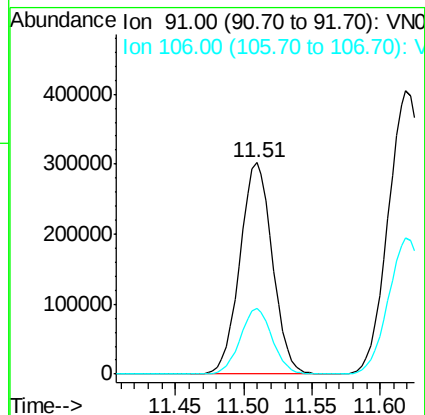
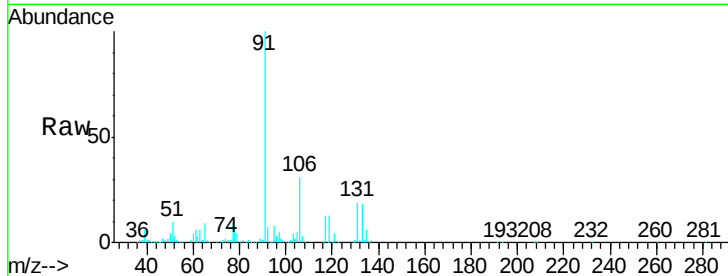
Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8

Manual Integrations  
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MMDadoda  
11/5/2019 2:00:10 PM



#68

m/p-Xylenes

Concen: 41.342 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059080.D

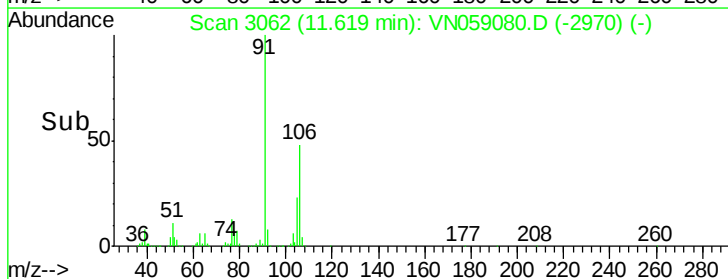
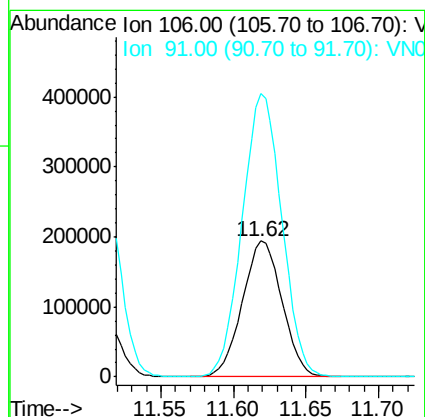
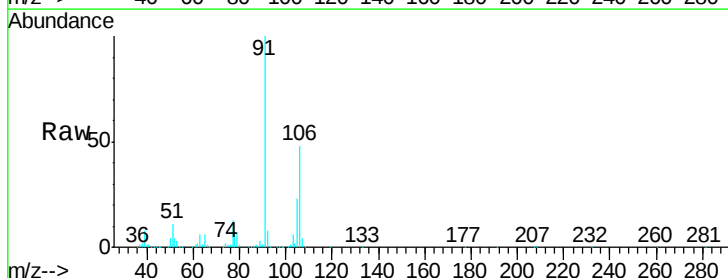
Acq: 4 Nov 2019 12:40

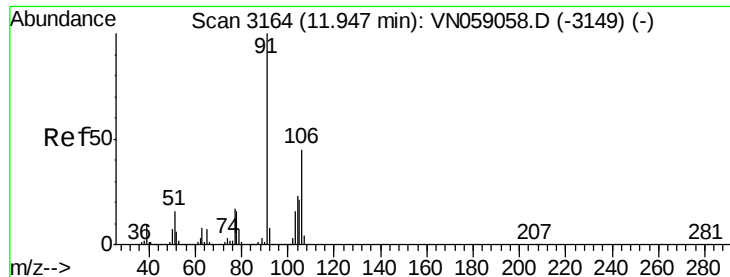
Tgt Ion: 106 Resp: 369914

Ion Ratio Lower Upper

106 100

91 207.7 165.7 248.5





#69

o-Xylene

Concen: 20.804 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion:106 Resp: 177754

Ion Ratio Lower Upper

106 100

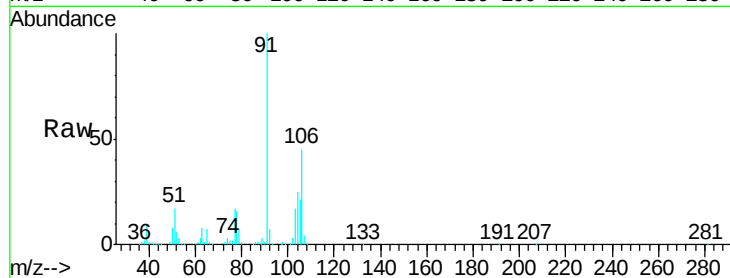
91 218.4 110.4 331.2

Manual Integrations

APPROVED

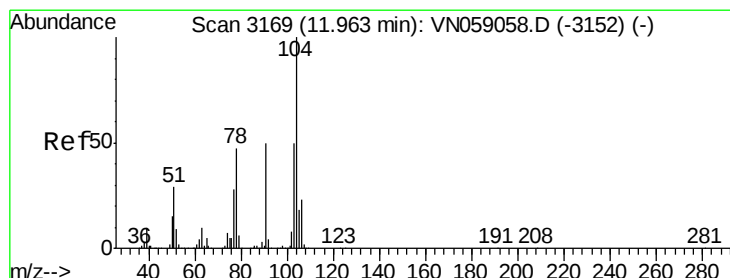
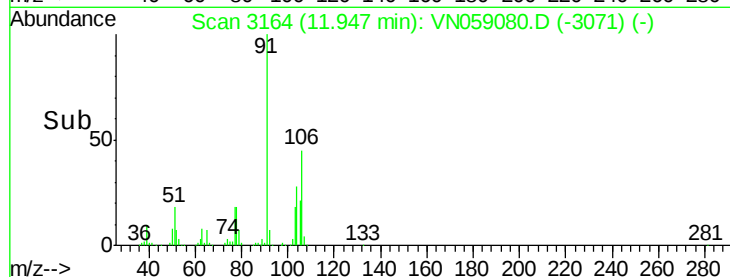
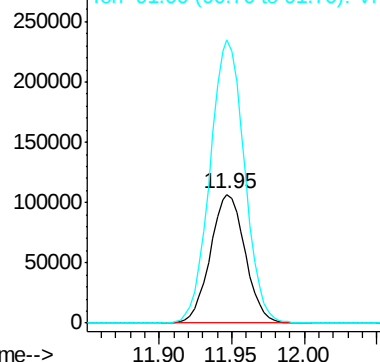
MMDadoda

11/5/2019 2:00:10 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.163 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

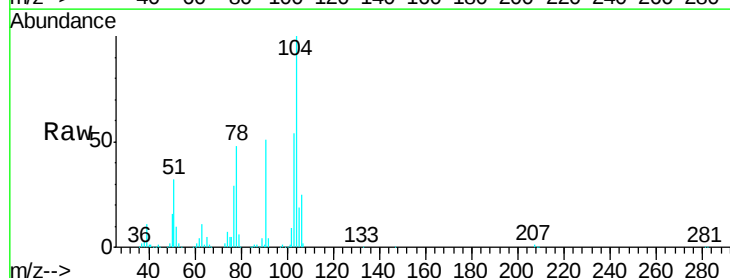
Tgt Ion:104 Resp: 279178

Ion Ratio Lower Upper

104 100

78 52.2 41.2 61.8

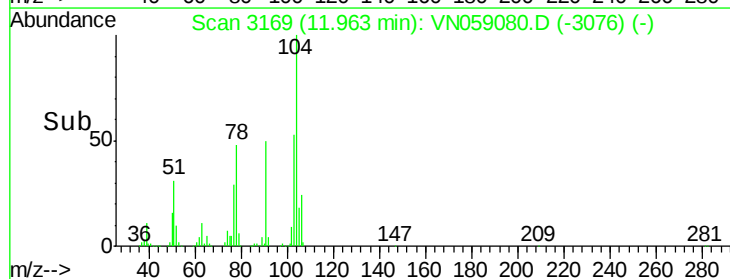
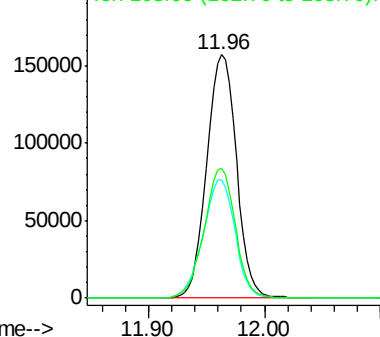
103 55.9 43.9 65.9

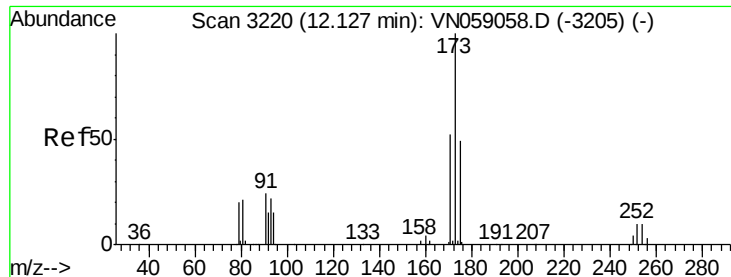


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.767 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

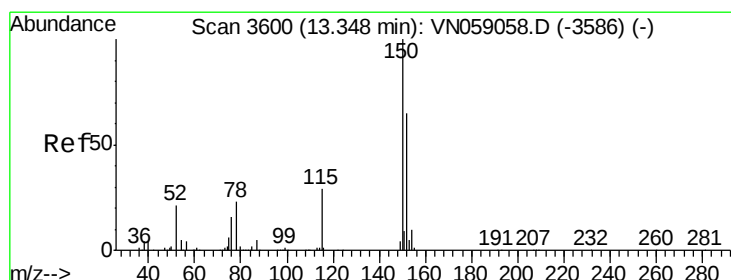
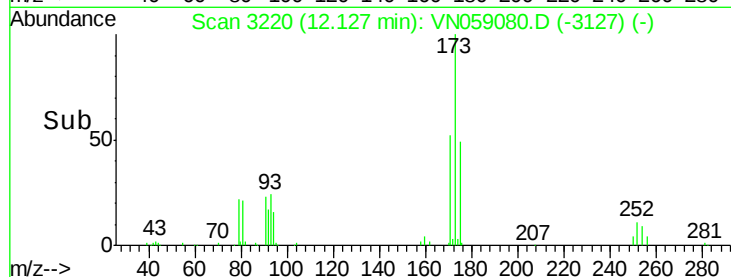
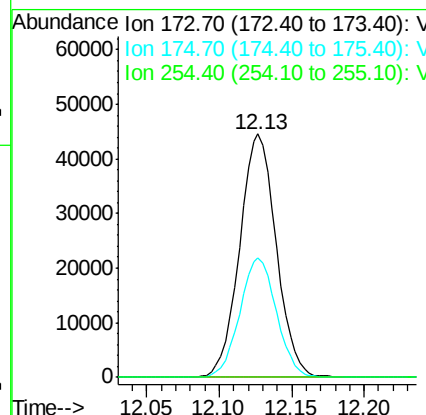
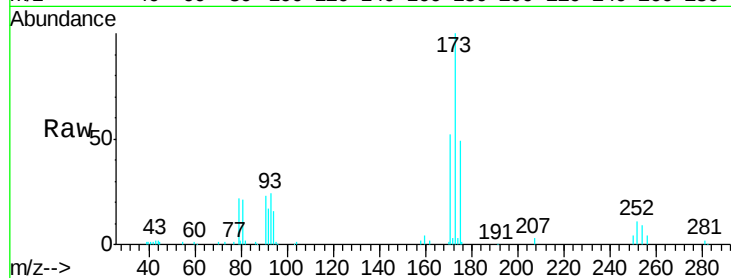
ClientSampleId :

VN1104WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 77916 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.3  | 24.4  | 73.2  |
| 254       | 0.0   | 0.1   | 0.1#  |

Manual Integrations  
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

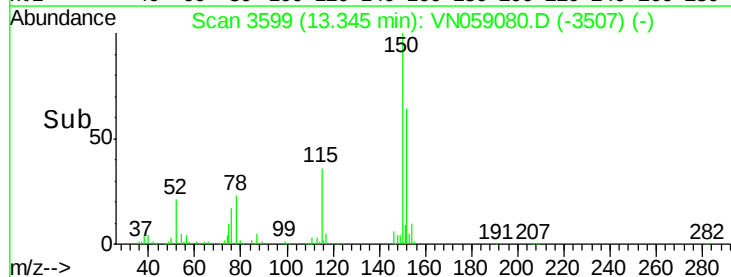
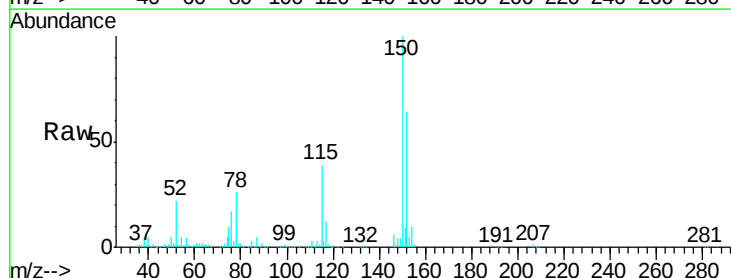
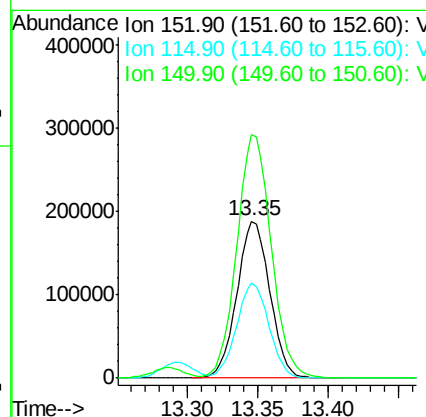
RT: 13.35 min Scan# 3599

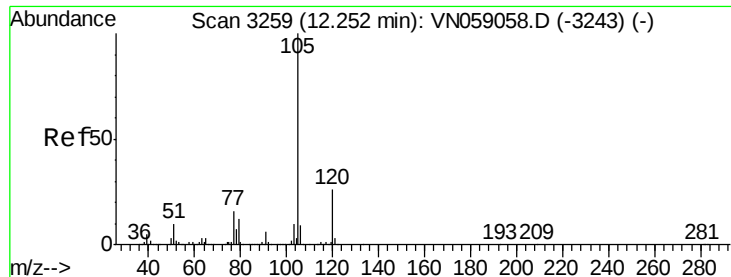
Delta R.T. -0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 308485 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 59.6  | 29.6  | 88.9   |
| 150       | 162.3 | 0.0   | 345.8  |





#73

Isopropylbenzene

Concen: 20.931 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 105 Resp: 475021

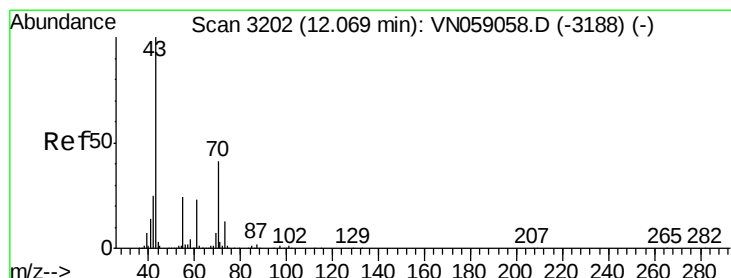
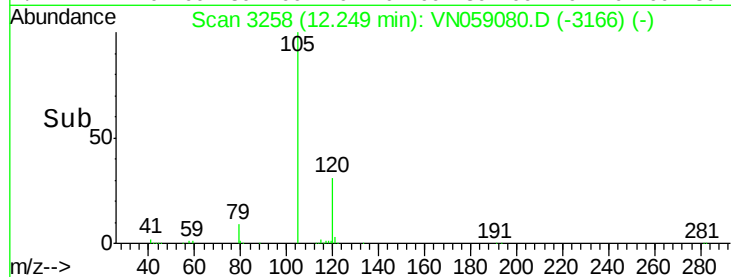
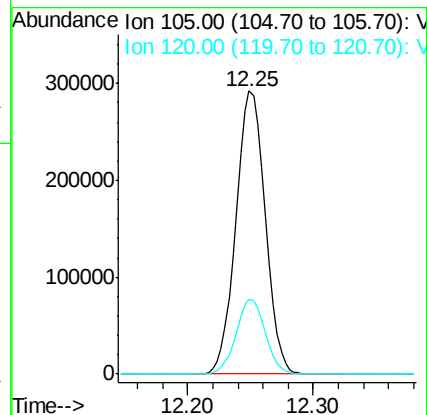
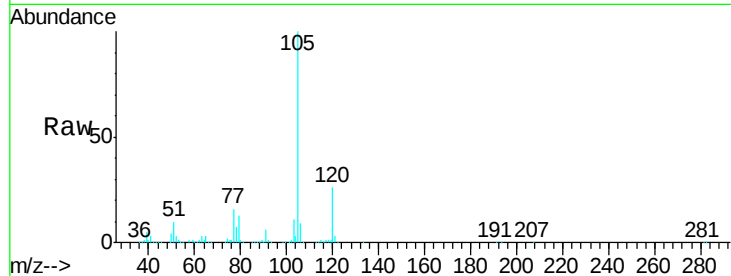
Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.1

Manual Integrations  
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11/5/2019 2:00:10 PM



#74

N-ethyl acetate

Concen: 19.927 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Tgt Ion: 43 Resp: 201168

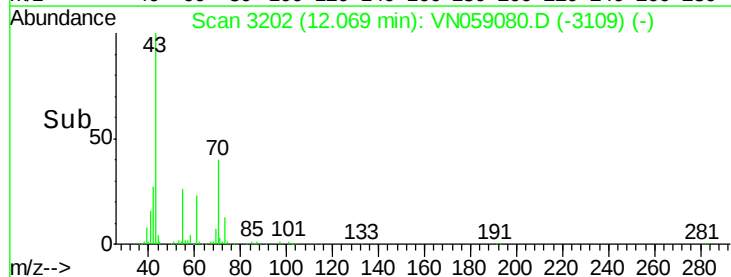
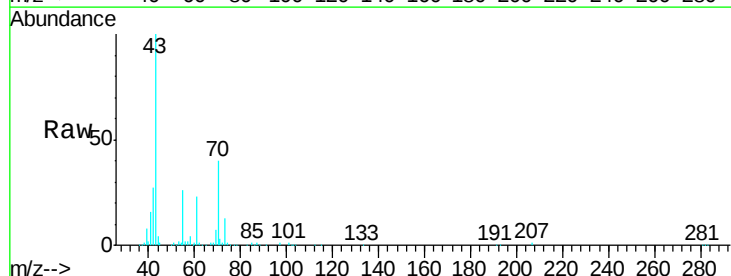
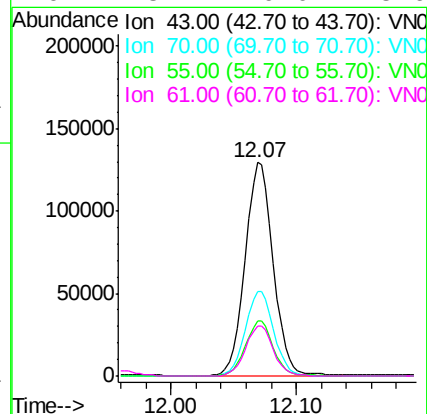
Ion Ratio Lower Upper

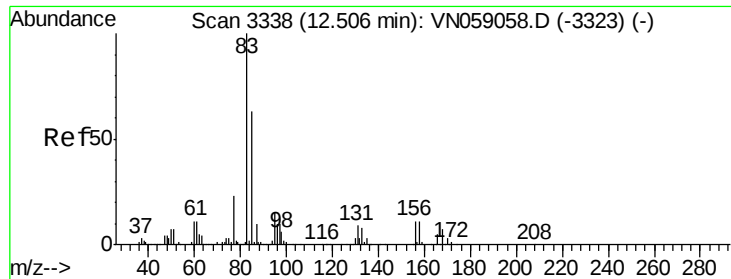
43 100

70 40.2 32.6 49.0

55 25.7 19.7 29.5

61 23.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.661 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

ClientSampleId :

VN1104WBSD02

Tgt Ion: 83 Resp: 158945  
Ion Ratio Lower Upper

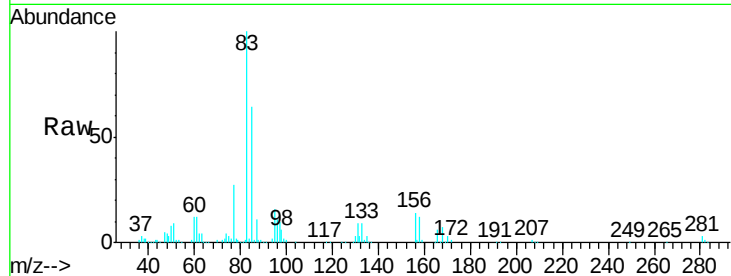
83 100

131 9.6 4.9 14.7

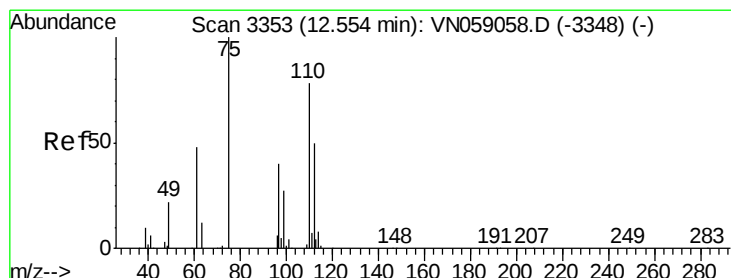
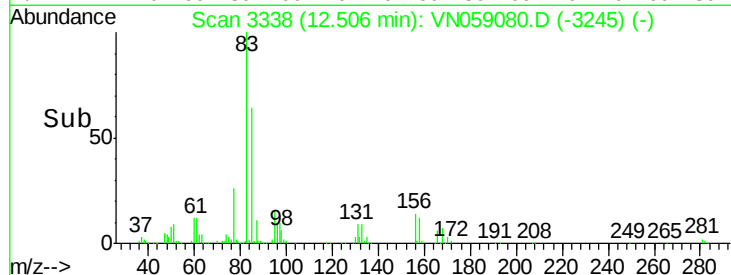
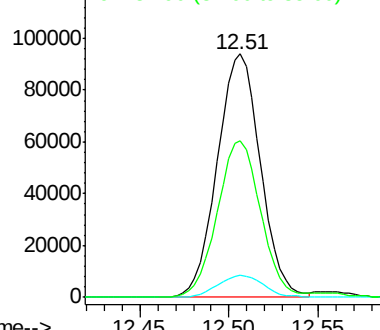
85 64.7 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 20.034 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

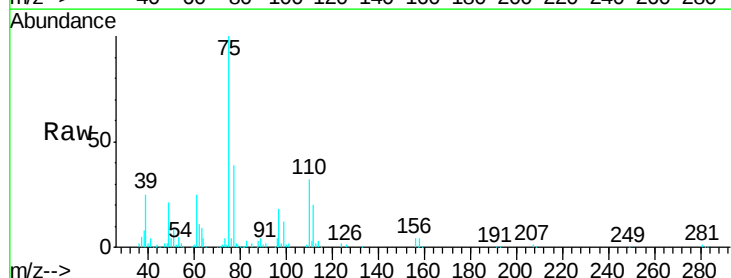
Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

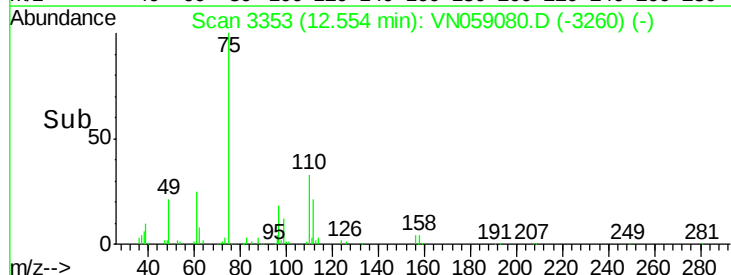
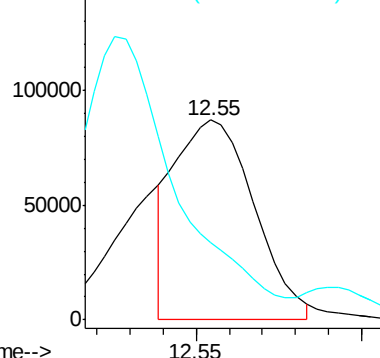
Tgt Ion: 75 Resp: 146248  
Ion Ratio Lower Upper

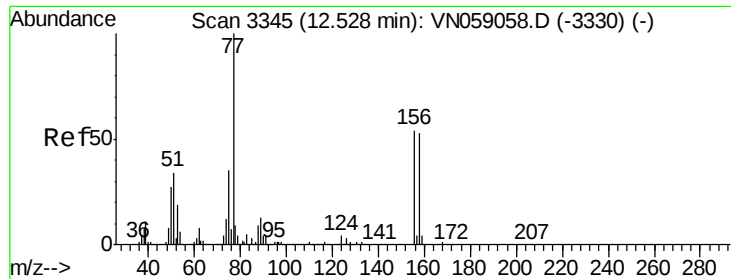
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0  
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 20.047 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

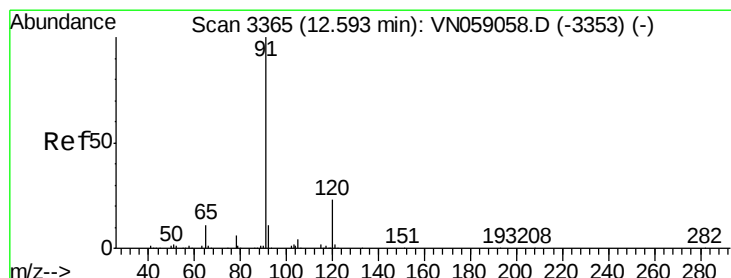
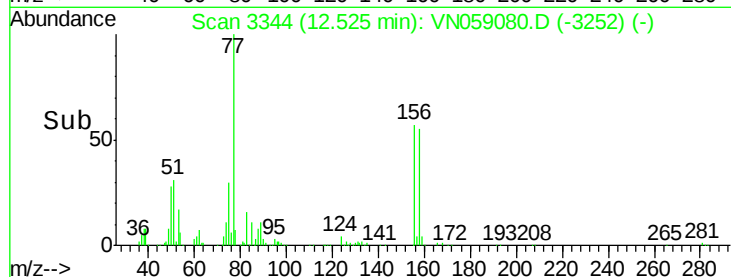
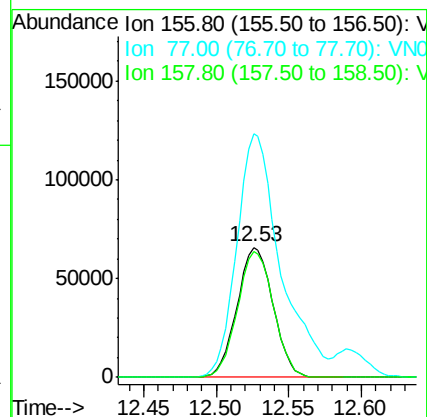
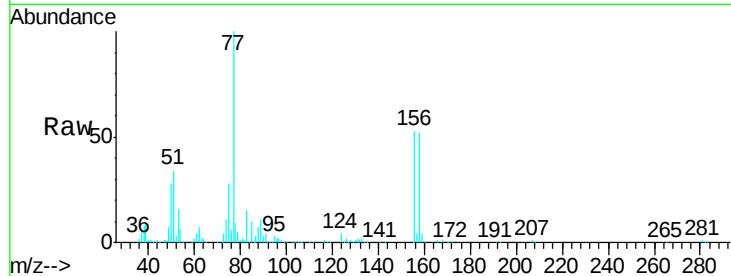
ClientSampleId :

VN1104WBSD02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 156   | Resp: | 113757 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 227.8 | 114.2 | 342.6  |
| 158       | 96.8  | 49.6  | 149.0  |

Manual Integrations  
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11/5/2019 2:00:10 PM



#78

n-propylbenzene

Concen: 21.078 ug/l

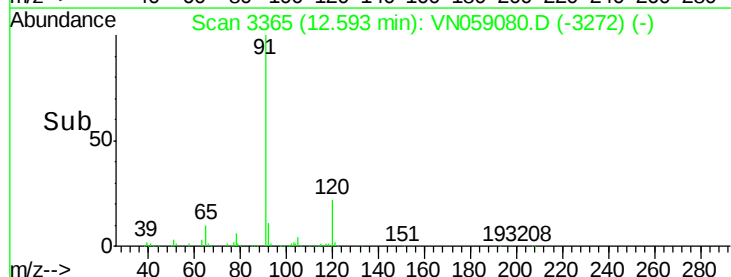
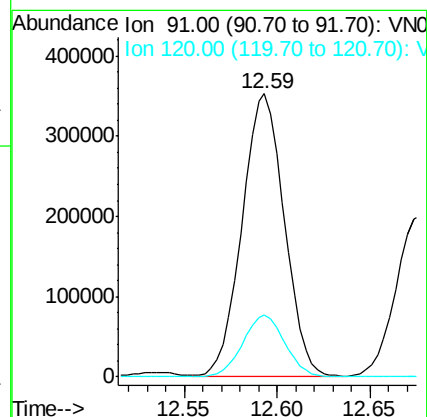
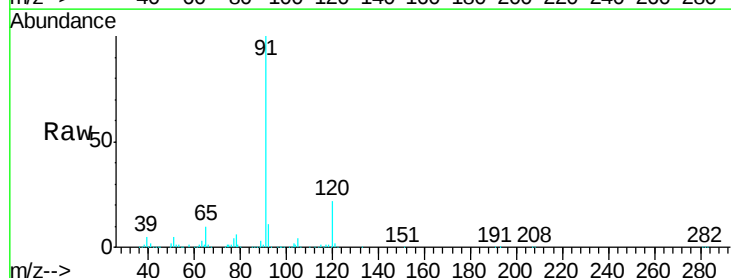
RT: 12.59 min Scan# 3365

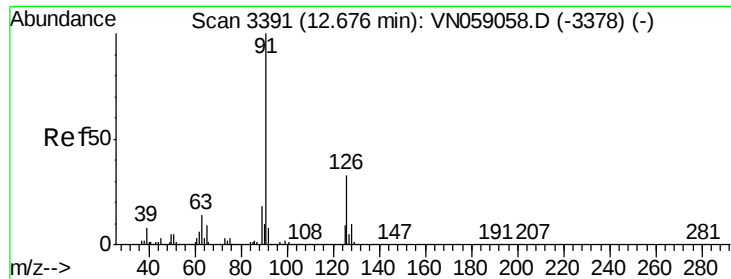
Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 554028 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.0  | 11.2  | 33.5   |





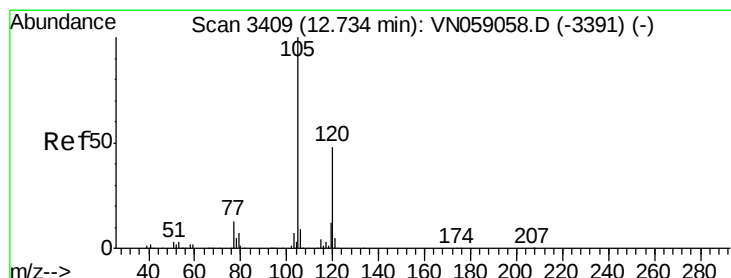
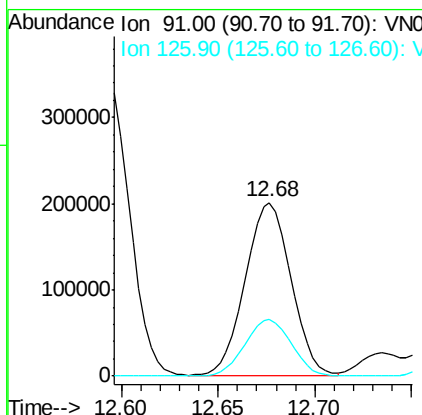
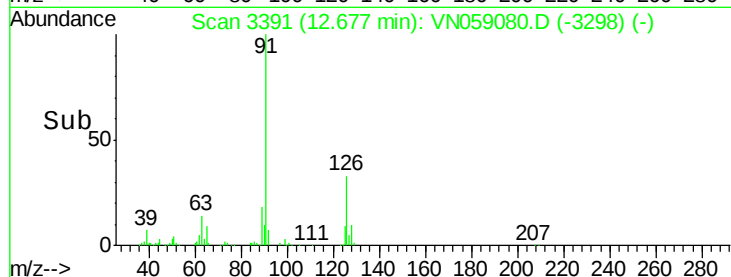
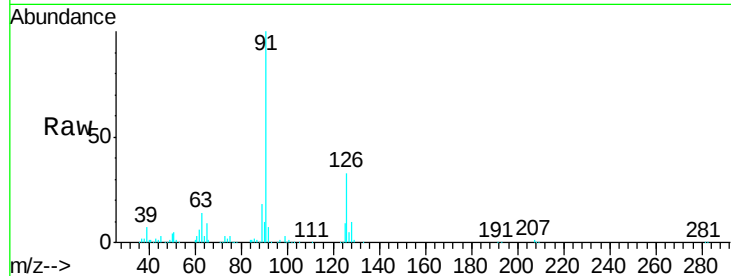
#79  
2-Chlorotoluene  
Concen: 20.266 ug/l  
RT: 12.68 min Scan# 3391  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

Tgt Ion: 91 Resp: 330767  
Ion Ratio Lower Upper  
91 100  
126 33.3 16.3 48.8

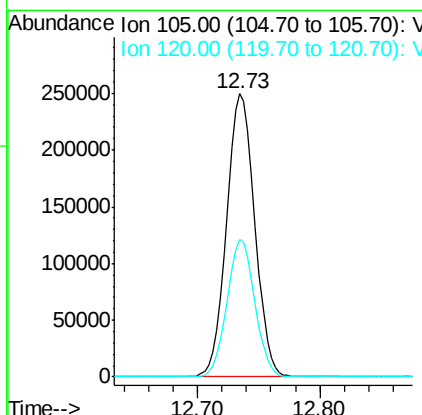
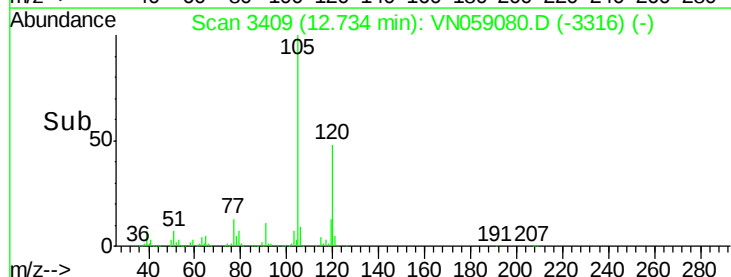
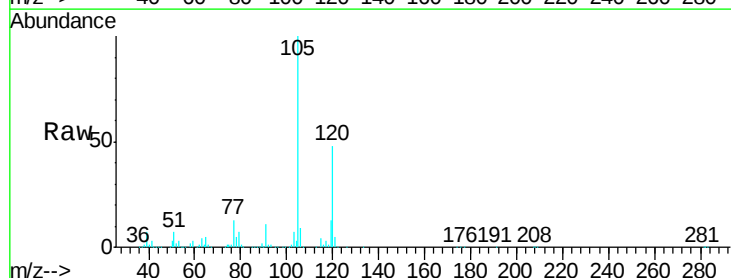
Manual Integrations  
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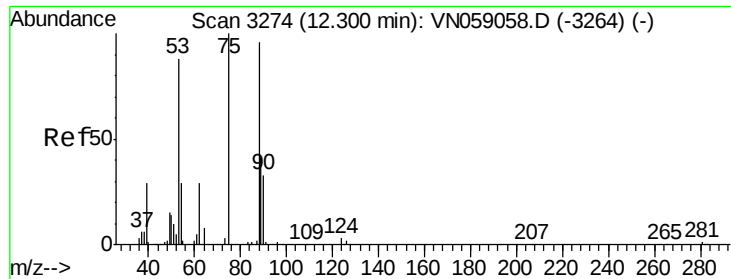
MMDadoda  
11/5/2019 2:00:10 PM



#80  
1,3,5-Trimethylbenzene  
Concen: 20.901 ug/l  
RT: 12.73 min Scan# 3409  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Tgt Ion: 105 Resp: 403143  
Ion Ratio Lower Upper  
105 100  
120 47.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.963 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

Instrument :

MSVOA\_N

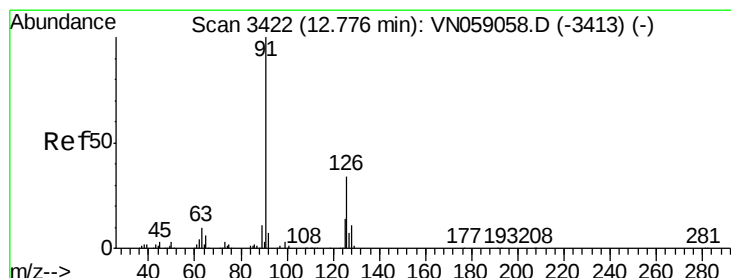
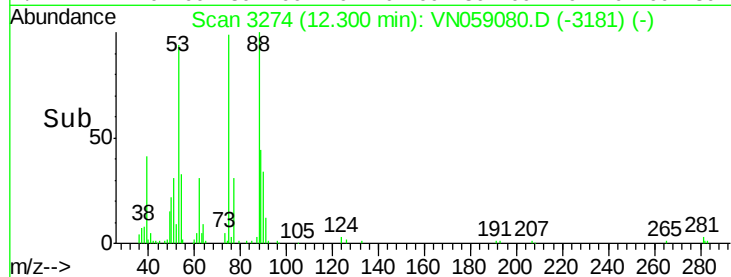
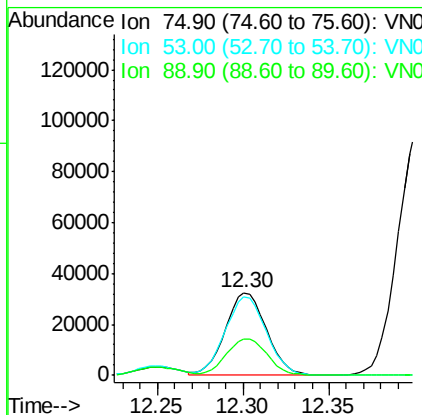
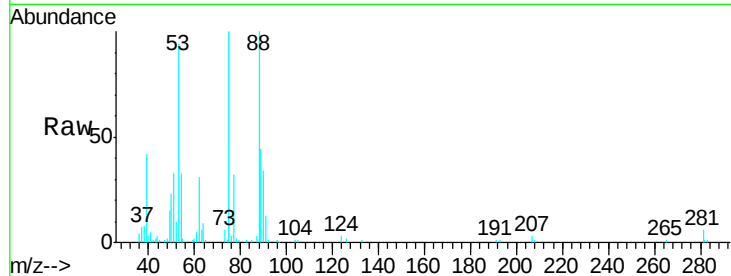
ClientSampleId :

VN1104WBSD02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 53999 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 96.3  | 70.4  | 105.6 |
| 89        | 44.8  | 34.2  | 51.2  |

Manual Integrations  
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11/5/2019 2:00:10 PM



#82

4-Chlorotoluene

Concen: 20.004 ug/l

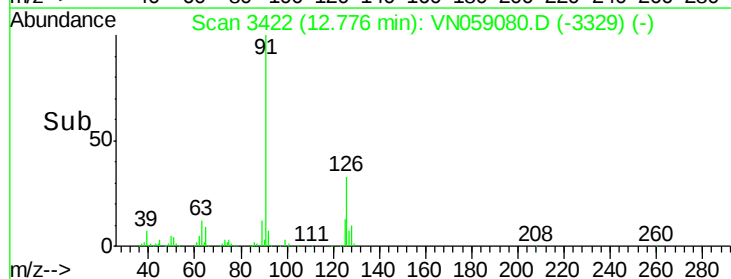
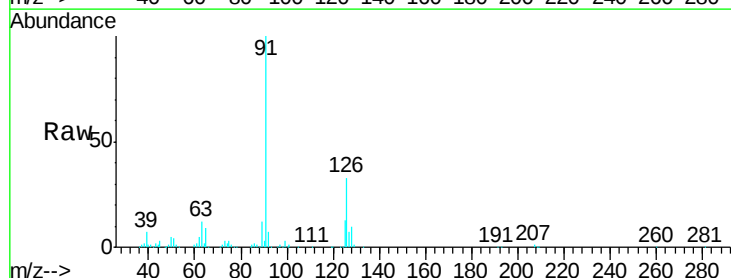
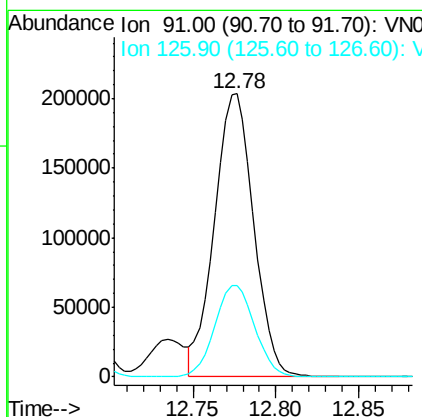
RT: 12.78 min Scan# 3422

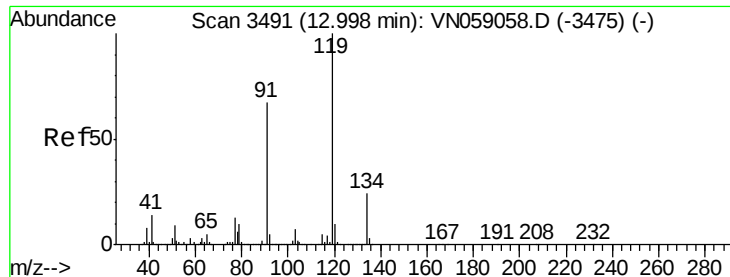
Delta R.T. 0.00 min

Lab File: VN059080.D

Acq: 4 Nov 2019 12:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 333198 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 33.2  | 16.0  | 47.9   |





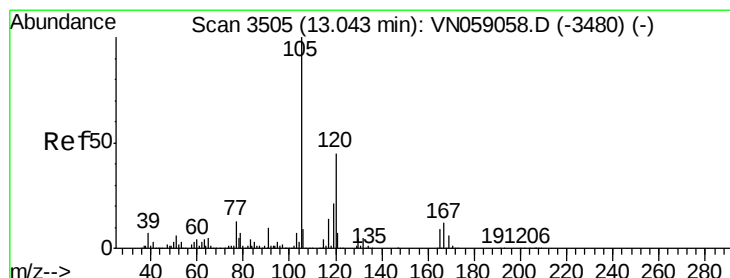
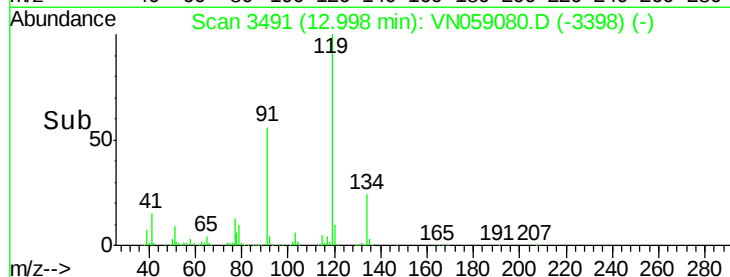
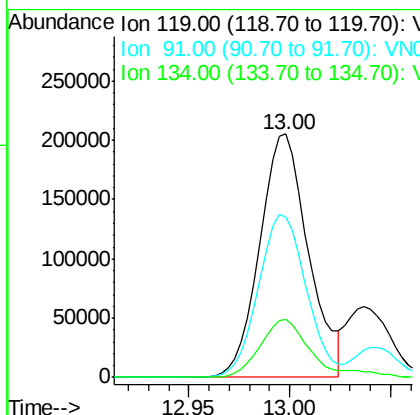
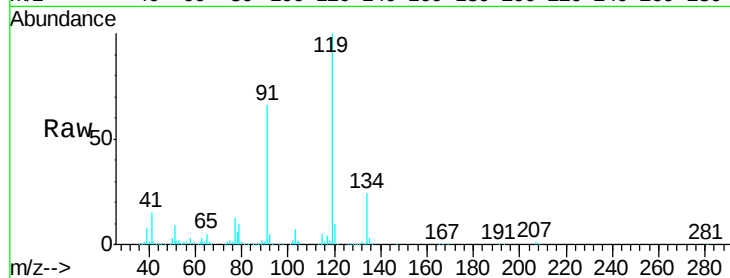
#83  
 tert-Butylbenzene  
 Concen: 21.065 ug/l  
 RT: 13.00 min Scan# 3491  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 65.8  | 33.7  | 101.0 |
| 134     | 25.0  | 12.9  | 38.7  |

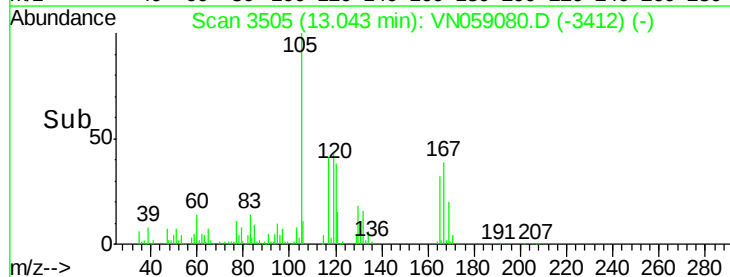
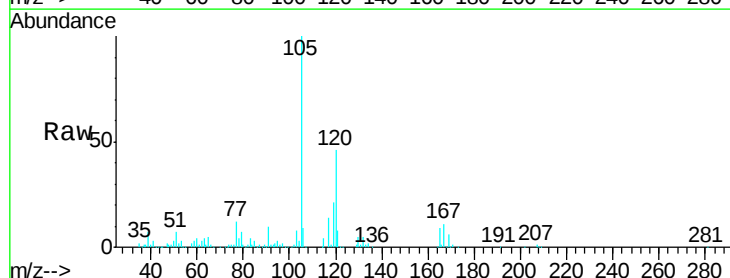
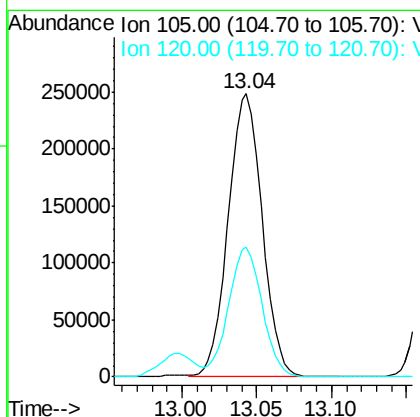
Manual Integrations  
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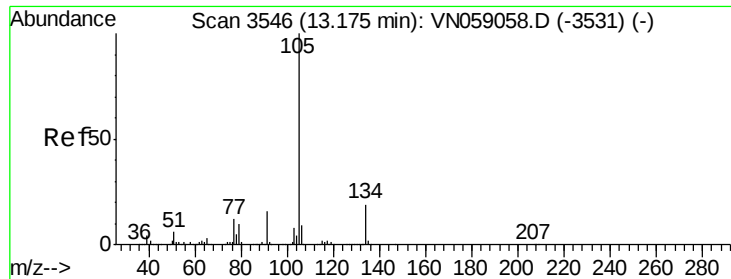
MMDadoda  
 11/5/2019 2:00:10 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.938 ug/l  
 RT: 13.04 min Scan# 3505  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.3  | 22.3  | 66.9  |





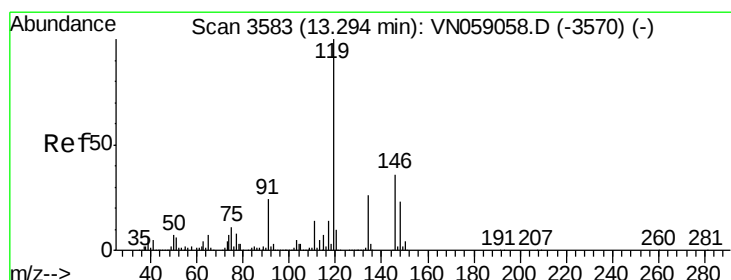
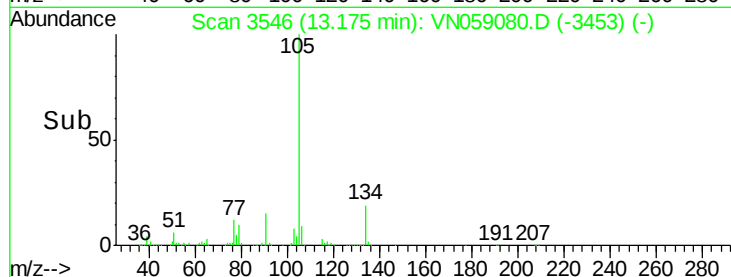
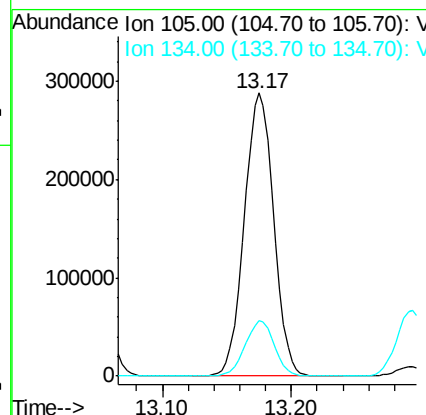
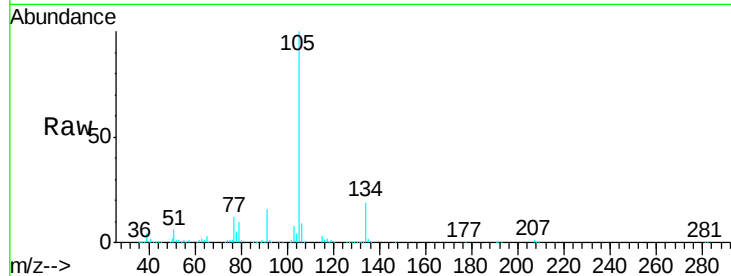
#85  
 sec-Butylbenzene  
 Concen: 21.161 ug/l  
 RT: 13.17 min Scan# 3546  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.5  | 9.8   | 29.4  |

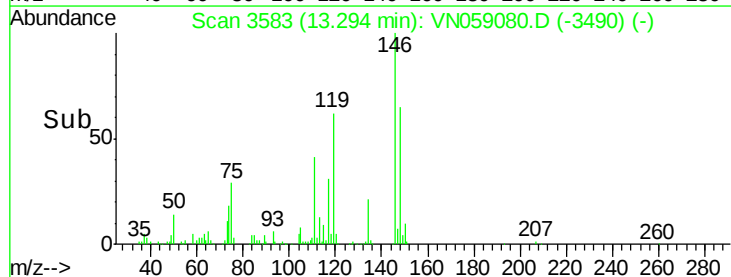
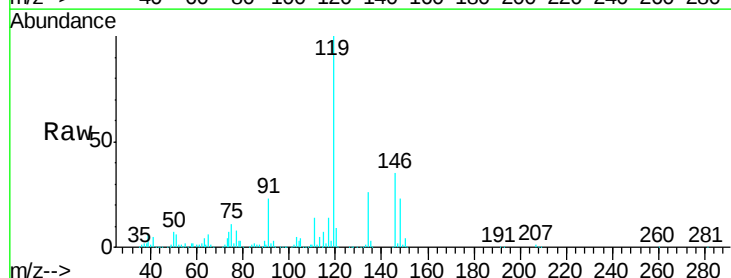
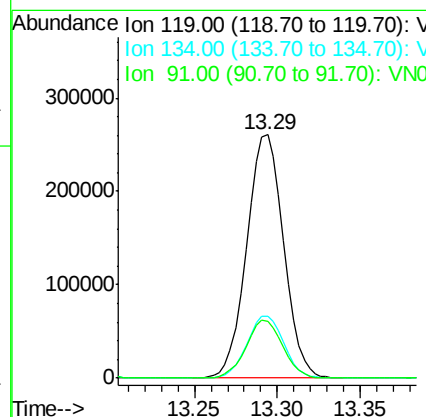
Manual Integrations  
 APPROVED

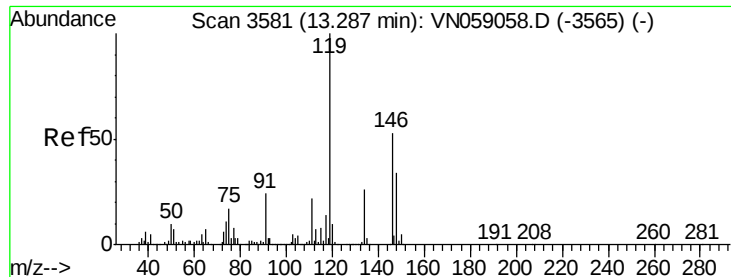
MMDadoda  
 11/5/2019 2:00:10 PM



#86  
 p-Isopropyltoluene  
 Concen: 20.764 ug/l  
 RT: 13.29 min Scan# 3583  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.9  | 13.0  | 39.0  |
| 91      | 23.6  | 12.0  | 36.0  |





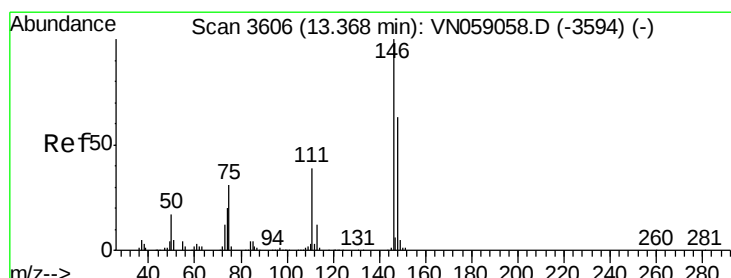
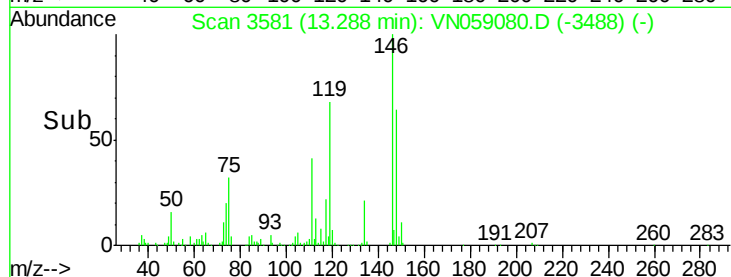
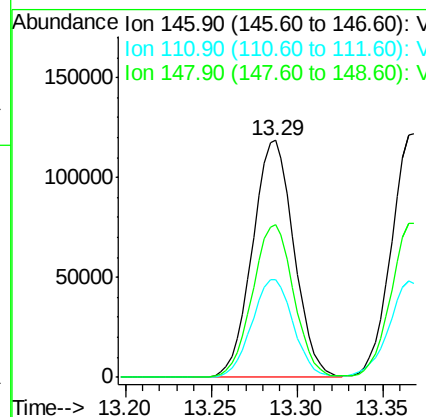
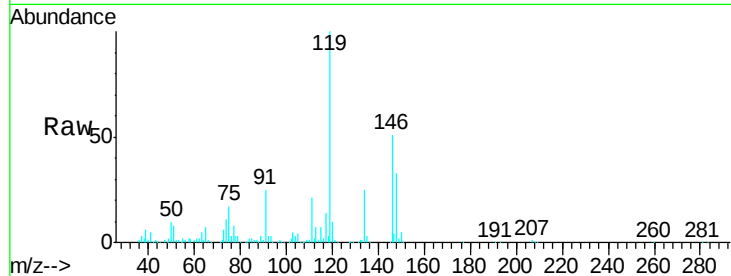
#87  
1,3-Dichlorobenzene  
Concen: 19.679 ug/l  
RT: 13.29 min Scan# 3581  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.2  | 20.5  | 61.5  |
| 148     | 64.4  | 31.8  | 95.3  |

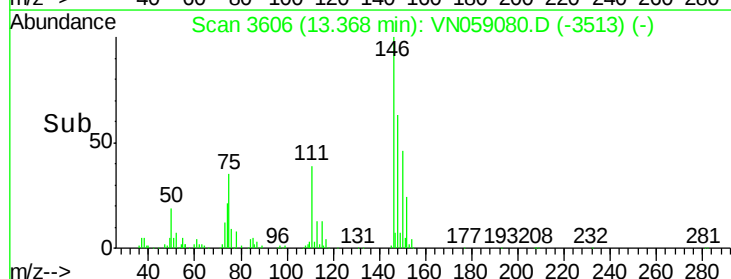
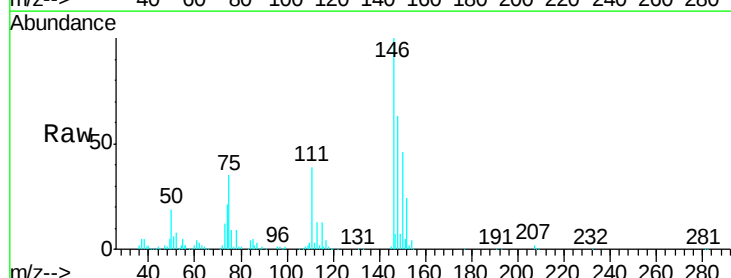
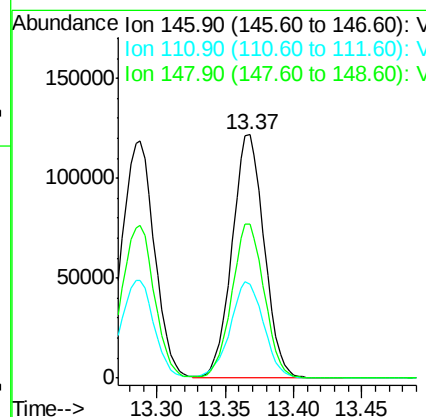
Manual Integrations  
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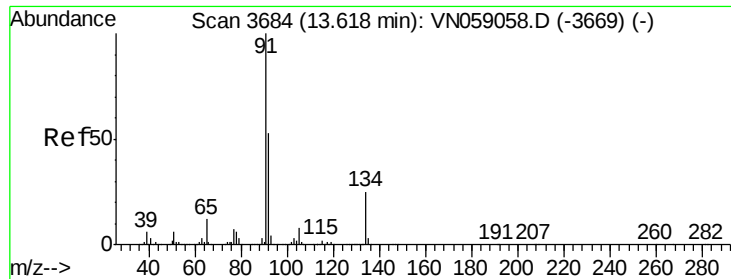
MMDadoda  
11/5/2019 2:00:10 PM



#88  
1,4-Dichlorobenzene  
Concen: 20.028 ug/l  
RT: 13.37 min Scan# 3606  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.3  | 20.1  | 60.2  |
| 148     | 63.9  | 31.9  | 95.7  |





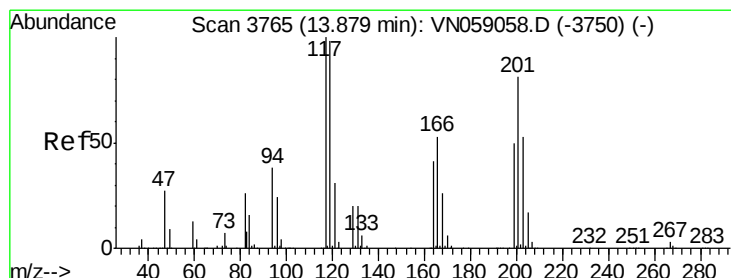
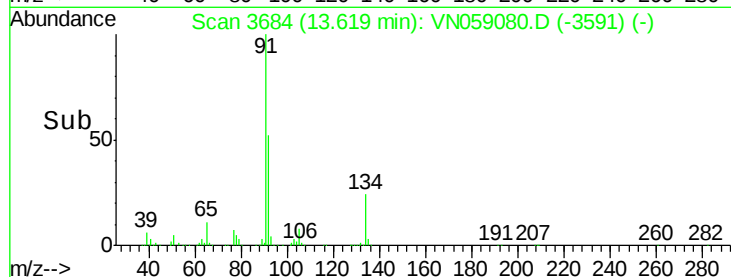
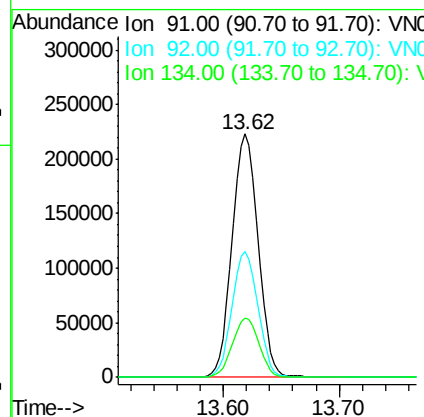
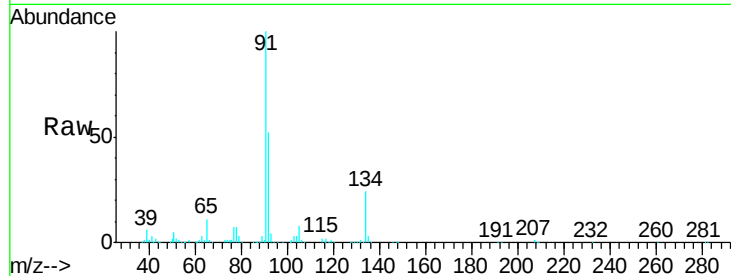
#89  
n-Butylbenzene  
Concen: 20.464 ug/l  
RT: 13.62 min Scan# 3684  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

Tgt Ion: 91 Resp: 345209  
Ion Ratio Lower Upper  
91 100  
92 51.6 26.4 79.0  
134 24.8 12.5 37.5

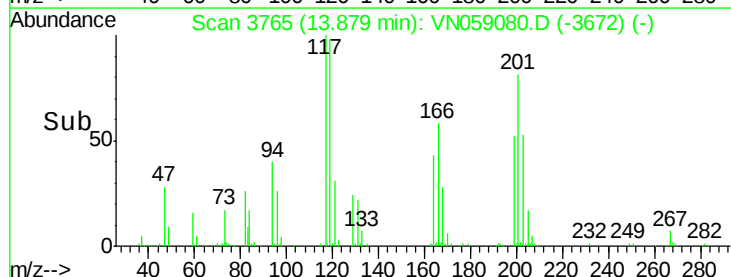
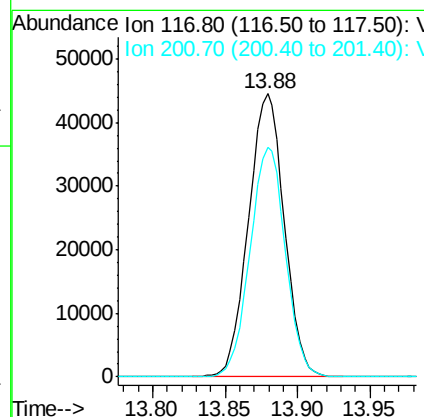
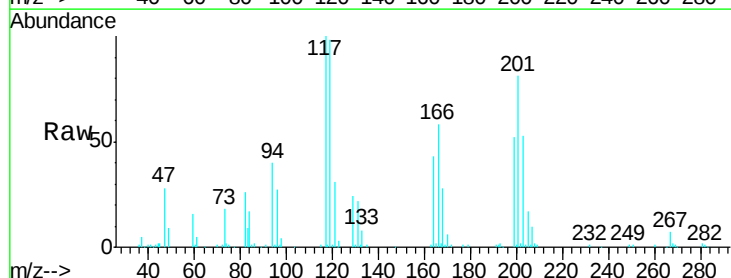
Manual Integrations  
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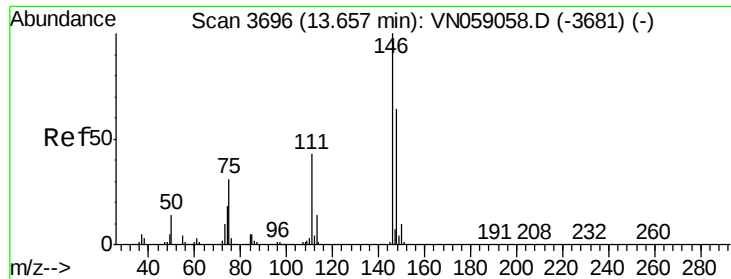
MMDadoda  
11/5/2019 2:00:10 PM



#90  
Hexachloroethane  
Concen: 19.898 ug/l  
RT: 13.88 min Scan# 3765  
Delta R.T. 0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Tgt Ion: 117 Resp: 76578  
Ion Ratio Lower Upper  
117 100  
201 80.2 40.7 122.1





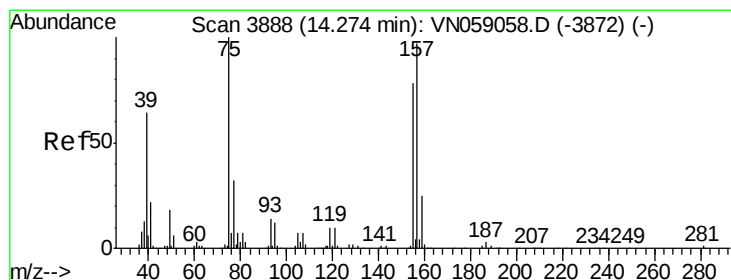
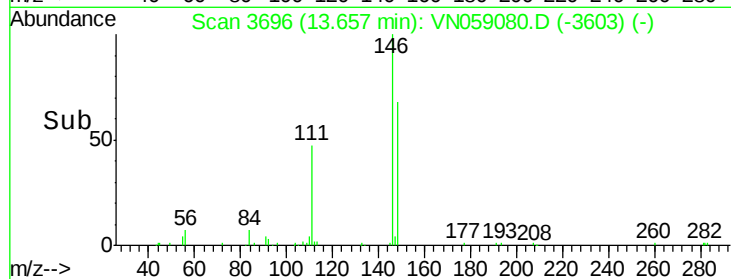
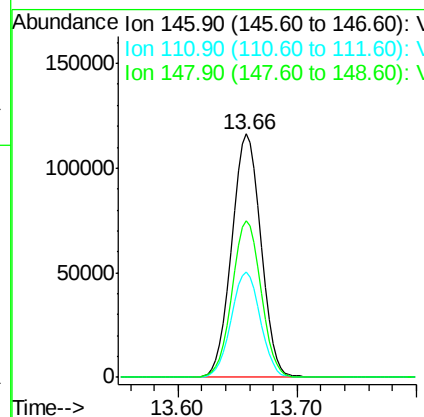
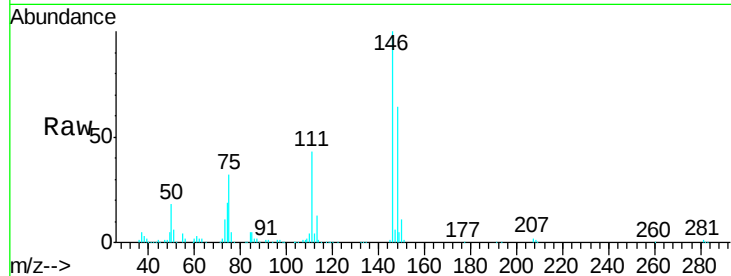
#91  
 1,2-Dichlorobenzene  
 Concen: 19.752 ug/l  
 RT: 13.66 min Scan# 3696  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 198152 |       |       |
| 111     | 43.2  | 21.2   | 63.6  |       |
| 148     | 63.9  | 32.1   | 96.3  |       |

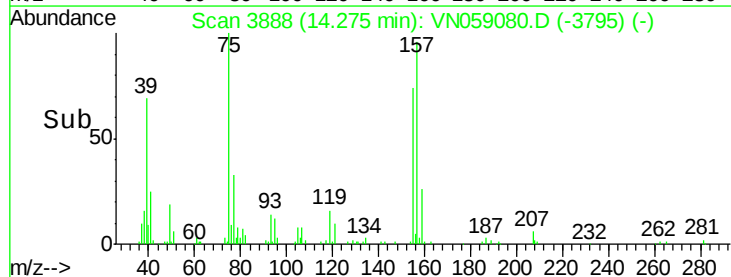
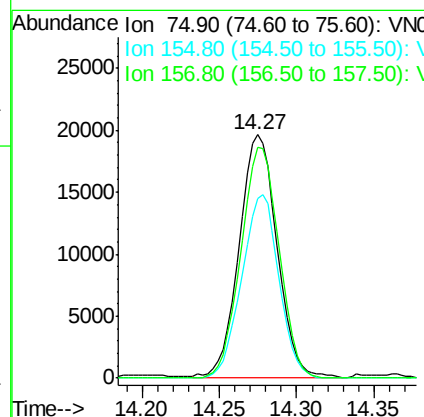
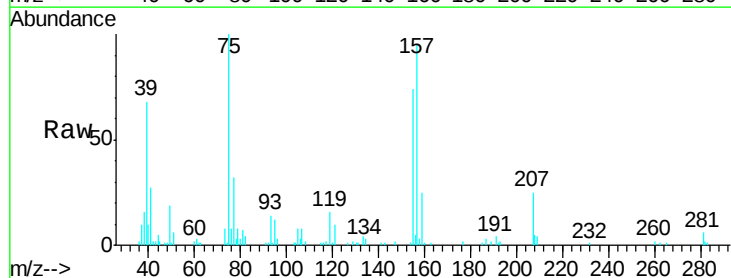
Manual Integrations  
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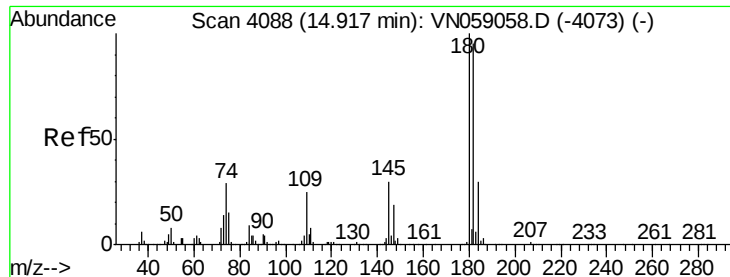
MMDadoda  
 11/5/2019 2:00:10 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.195 ug/l  
 RT: 14.27 min Scan# 3888  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 33518 |       |       |
| 155     | 73.8  | 39.7  | 119.1 |       |
| 157     | 95.1  | 51.0  | 153.0 |       |





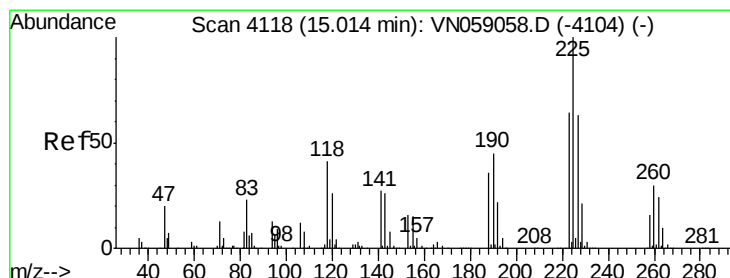
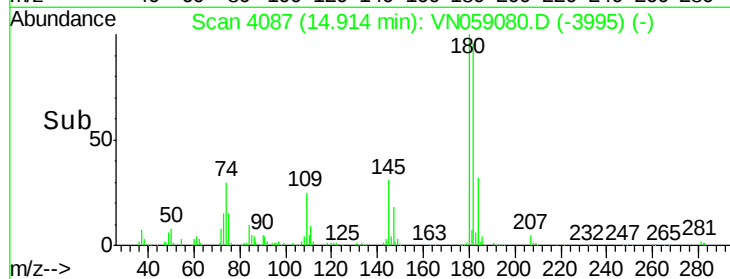
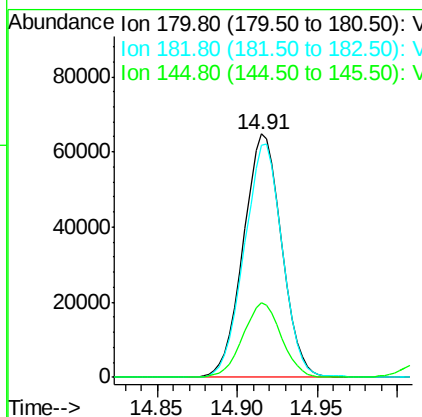
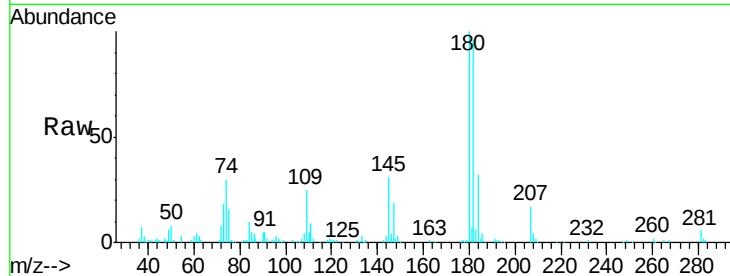
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.629 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. -0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1104WBSD02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 106213 |       |       |
| 182     | 95.3  | 47.8   | 143.4 |       |
| 145     | 30.6  | 15.1   | 45.3  |       |

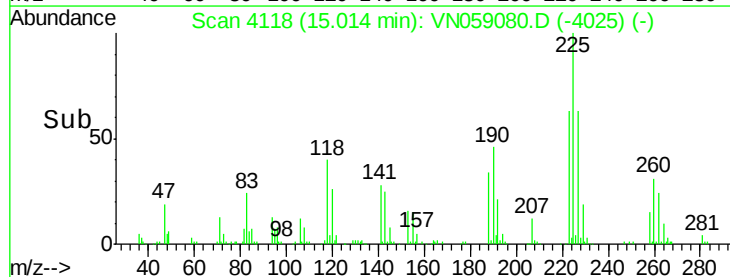
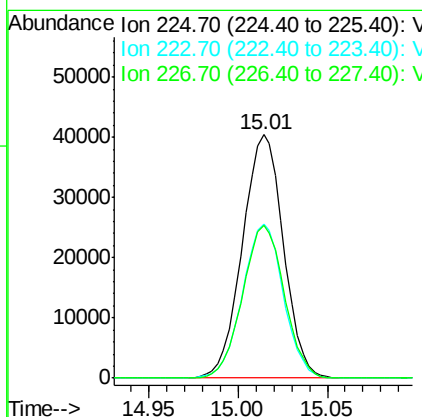
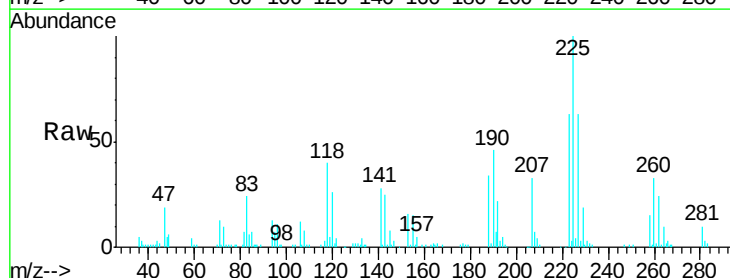
Manual Integrations  
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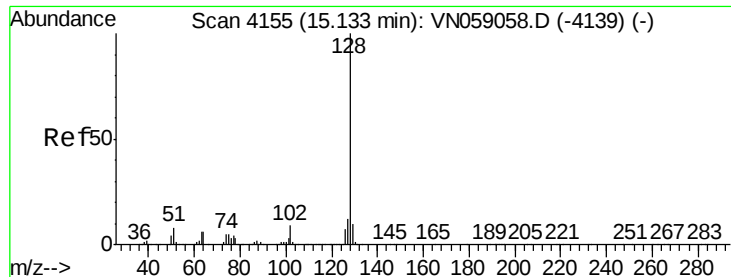
MMDadoda  
 11/5/2019 2:00:10 PM



#94  
 Hexachlorobutadiene  
 Concen: 19.961 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN059080.D  
 Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 64824 |       |       |
| 223     | 63.1  | 31.6  | 95.0  |       |
| 227     | 63.8  | 31.9  | 95.7  |       |





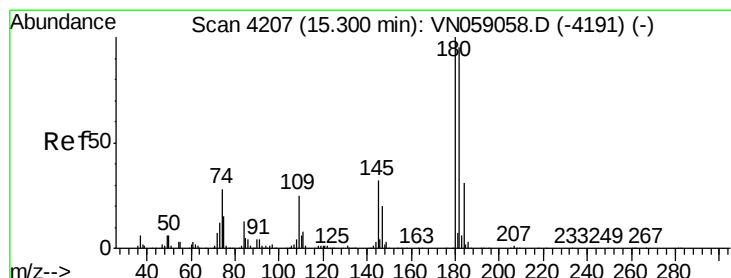
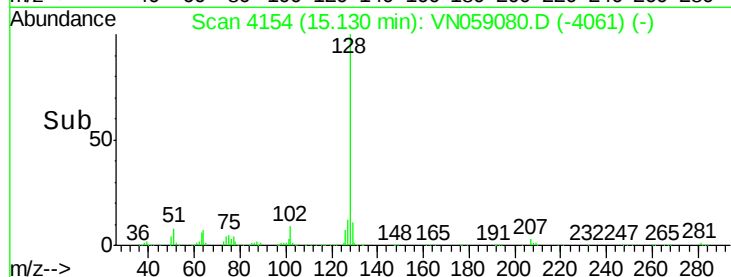
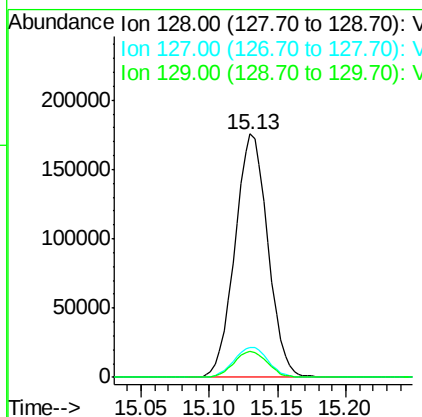
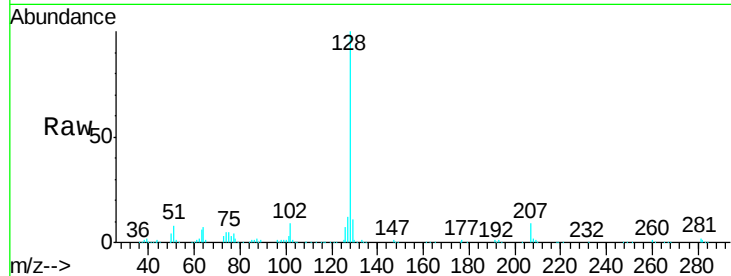
#95  
Naphthalene  
Concen: 19.384 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. -0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1104WBSD02

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 128     | 100   |            |            |
| 127     | 12.8  | 9.9        | 14.9       |
| 129     | 10.9  | 8.4        | 12.6       |

Manual Integrations  
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11/5/2019 2:00:10 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 19.998 ug/l  
RT: 15.30 min Scan# 4206  
Delta R.T. -0.00 min  
Lab File: VN059080.D  
Acq: 4 Nov 2019 12:40

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 95.0  | 47.7       | 143.1      |
| 145     | 32.3  | 16.0       | 48.0       |

