

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\  
 Data File : VN058158.D  
 Acq On : 18 Sep 2019 13:10  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN091819

Manual Integrations  
 APPROVED

MMDadoda  
 9/20/2019 1:43:24 PM

Quant Time: Sep 19 15:20:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 09:27:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 560909   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 936122   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 854614   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 426244   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.01   | 65  | 396675   | 50.78 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.56% |      |
| 35) Dibromofluoromethane  | 7.57   | 113 | 288636   | 50.72 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.44% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1159419  | 52.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.58% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 428813   | 52.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.12% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 214265  | 46.501  | ug/l | 98     |
| 3) Chloromethane              | 2.04 | 50  | 179051  | 50.422  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.17 | 62  | 194805  | 50.160  | ug/l | 100    |
| 5) Bromomethane               | 2.54 | 94  | 105492  | 51.291  | ug/l | 97     |
| 6) Chloroethane               | 2.68 | 64  | 126784  | 50.996  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 283424  | 45.064  | ug/l | 98     |
| 8) Diethyl Ether              | 3.39 | 74  | 133327  | 46.266  | ug/l | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 211289  | 46.595  | ug/l | 99     |
| 10) Methyl Iodide             | 3.93 | 142 | 189392  | 49.844  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.75 | 59  | 238644  | 256.800 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 171478  | 49.829  | ug/l | 95     |
| 13) Acrolein                  | 3.58 | 56  | 46727   | 339.293 | ug/l | 99     |
| 14) Allyl chloride            | 4.30 | 41  | 355939  | 47.970  | ug/l | 99     |
| 15) Acrylonitrile             | 4.96 | 53  | 639521  | 258.297 | ug/l | 100    |
| 16) Acetone                   | 3.79 | 43  | 662547  | 249.845 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.03 | 76  | 226502  | 46.779  | ug/l | 98     |
| 18) Methyl Acetate            | 4.30 | 43  | 336457  | 48.218  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.02 | 73  | 852386  | 49.839  | ug/l | 100    |
| 20) Methylene Chloride        | 4.53 | 84  | 232995  | 50.185  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.02 | 96  | 181857  | 48.485  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.93 | 45  | 926623  | 49.162  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.87 | 43  | 3441813 | 266.867 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 480192  | 47.734  | ug/l | 100    |
| 25) 2-Butanone                | 6.81 | 43  | 941287  | 260.542 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.81 | 77  | 412585  | 48.344  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.81 | 96  | 275568  | 48.446  | ug/l | 99     |
| 28) Bromochloromethane        | 7.18 | 49  | 238158  | 50.045  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.19 | 42  | 551560  | 247.849 | ug/l | 99     |
| 30) Chloroform                | 7.36 | 83  | 520436  | 48.062  | ug/l | 97     |
| 31) Cyclohexane               | 7.63 | 56  | 318527  | 48.933  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 415290  | 50.378  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 7.78 | 75  | 306120  | 45.346  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.91 | 43  | 365030  | 52.103  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.76 | 117 | 330635  | 48.722  | ug/l | 96     |

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 ALS Vial : 12 Sample Multiplier: 1

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Manual Integrations  
 APPROVED

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 9/20/2019 1:43:24 PM

Quant Time: Sep 19 15:20:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091819W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 19 09:27:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.07  | 83   | 317008   | 48.569   | ug/l  | 99       |
| 40) Benzene                    | 8.03  | 78   | 990992   | 48.061   | ug/l  | 100      |
| 41) Methacrylonitrile          | 7.16  | 41   | 182649m  | 51.719   | ug/l  |          |
| 42) 1,2-Dichloroethane         | 8.11  | 62   | 418355   | 48.353   | ug/l  | 99       |
| 43) Isopropyl Acetate          | 8.15  | 43   | 648847   | 49.590   | ug/l  | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 242544   | 48.068   | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 308426   | 50.088   | ug/l  | 100      |
| 46) Dibromomethane             | 9.20  | 93   | 184356   | 49.243   | ug/l  | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 406515   | 51.831   | ug/l  | 99       |
| 48) Methyl methacrylate        | 9.19  | 41   | 313466   | 52.765   | ug/l  | 99       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 100452   | 1029.890 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1974416  | 284.098  | ug/l  | 100      |
| 52) Toluene                    | 10.15 | 92   | 634586   | 49.108   | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 430103   | 53.534   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 457809   | 51.612   | ug/l  | 97       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 294112   | 51.287   | ug/l  | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 445205   | 53.807   | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 493814   | 50.090   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 1065014  | 270.228  | ug/l  | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1471676  | 285.124  | ug/l  | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 296038   | 53.659   | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 273357   | 51.436   | ug/l  | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 192834   | 46.287   | ug/l  | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 744571   | 49.532   | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 285057   | 52.298   | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1325333  | 51.455   | ug/l  | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 967662   | 99.749   | ug/l  | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 488582   | 51.220   | ug/l  | 99       |
| 70) Styrene                    | 11.97 | 104  | 869500   | 52.904   | ug/l  | 100      |
| 71) Bromoform                  | 12.13 | 173  | 193823   | 48.109   | ug/l  | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 1382314  | 51.811   | ug/l  | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 604993   | 54.204   | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 457895   | 51.250   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 383279m  | 50.244   | ug/l  |          |
| 77) Bromobenzene               | 12.53 | 156  | 330123   | 49.190   | ug/l  | 100      |
| 78) n-propylbenzene            | 12.59 | 91   | 1612016  | 53.170   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 959374   | 50.633   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.74 | 105  | 1187144  | 52.619   | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 124204   | 48.637   | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 1023766  | 51.401   | ug/l  | 100      |
| 83) tert-Butylbenzene          | 13.00 | 119  | 1050400  | 52.208   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1206060  | 53.717   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 13.18 | 105  | 1417346  | 53.871   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1277884  | 54.634   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 629046   | 51.318   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 629779   | 50.325   | ug/l  | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 1197838  | 54.017   | ug/l  | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 200218   | 48.882   | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 630928   | 51.312   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75   | 86828    | 53.981   | ug/l  | 98       |

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Sample : VSTDICV050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Thu Sep 19 09:27:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180  | 412453   | 52.500 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 194090   | 51.114 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 1145601  | 56.267 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 385935   | 51.974 | ug/l  | 98       |

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

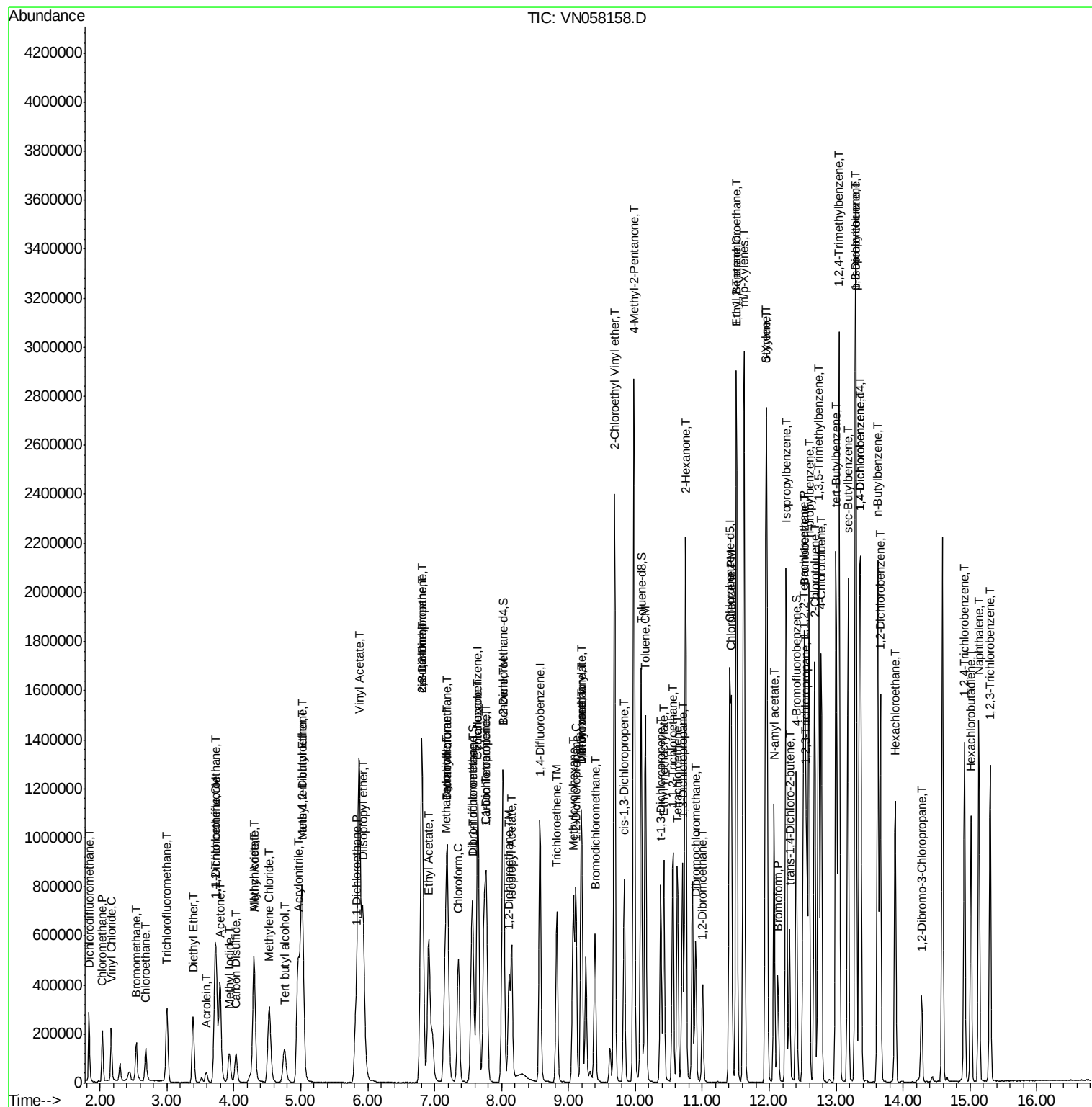
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 Data File : VN058158.D  
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 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

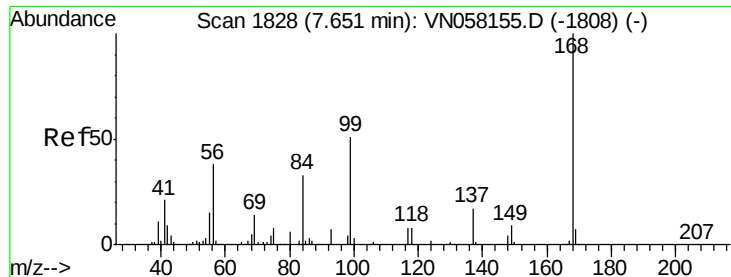
Instrument :  
 MSVOA\_N  
 Client Sampled :  
 ICVVN091819

Manual Integrations  
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MMDadoda  
 9/20/2019 1:43:24 PM

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVFN091819

Tot Ion:168 Resp: 560909

Ion Ratio Lower Upper

168 100

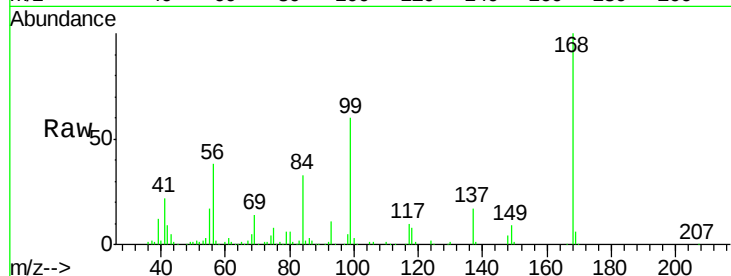
99 59.9 47.4 71.2

Manual Integrations

APPROVED

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9/20/2019 1:43:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

150000

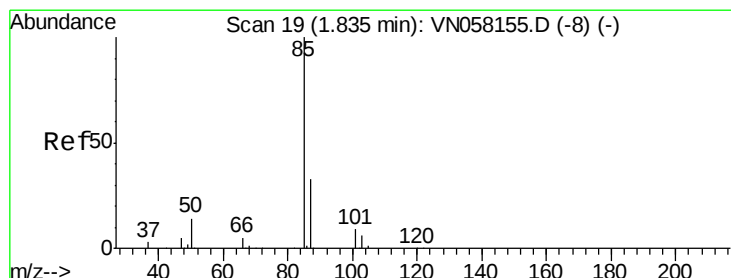
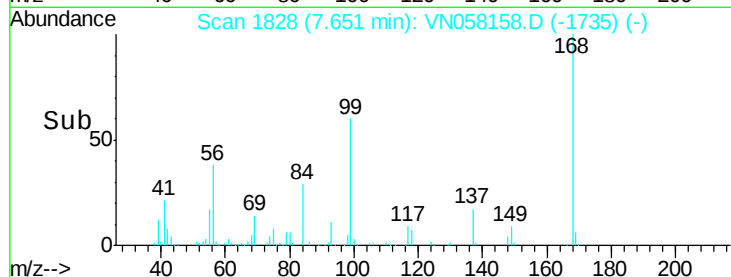
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.501 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058158.D

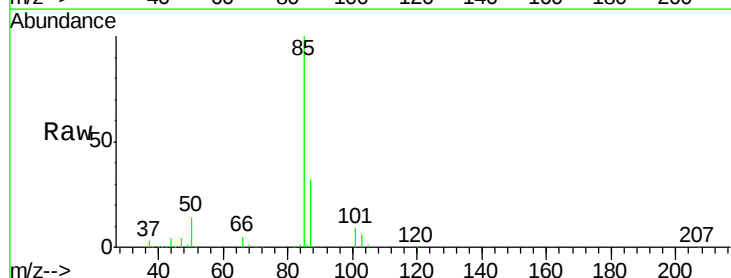
Acq: 18 Sep 2019 13:10

Tgt Ion: 85 Resp: 214265

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

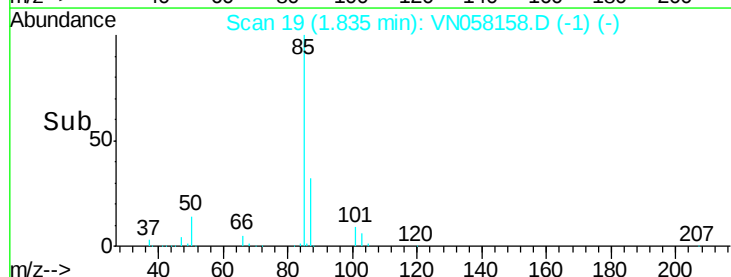
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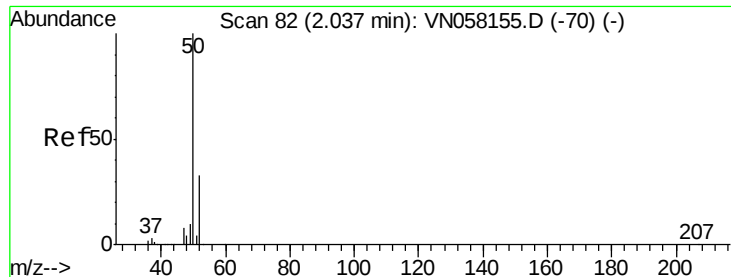
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 50.422 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion: 50 Resp: 179051

Ion Ratio Lower Upper

50 100

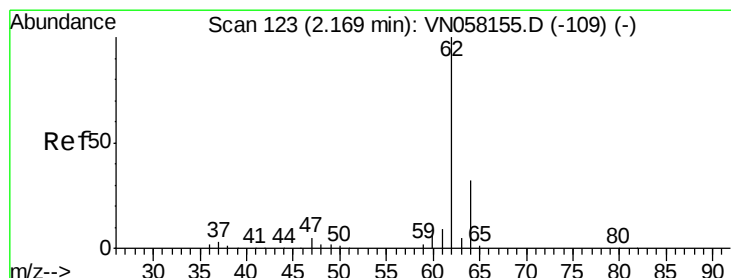
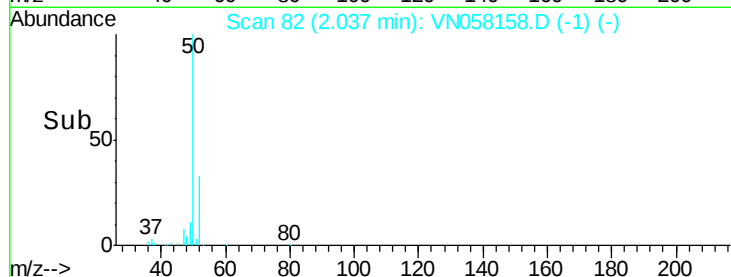
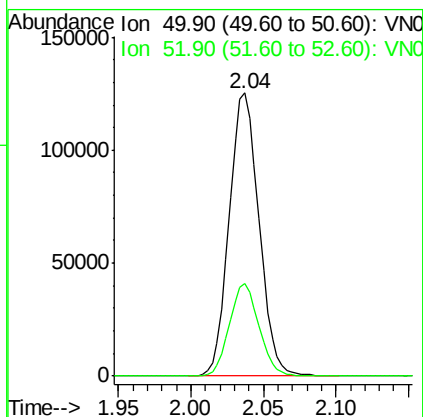
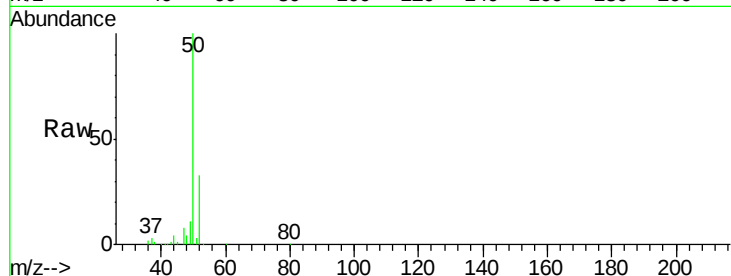
52 32.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.160 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058158.D

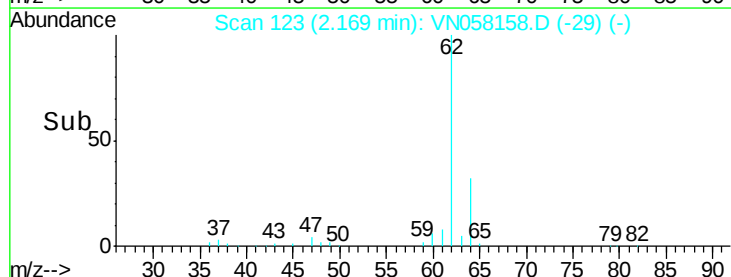
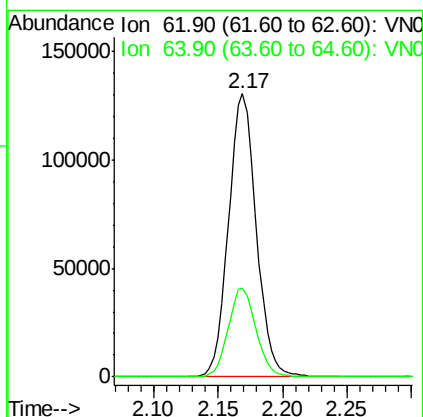
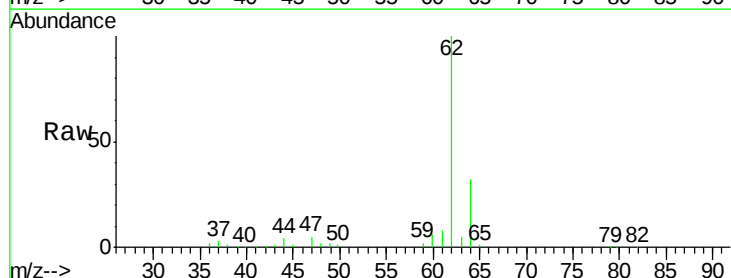
Acq: 18 Sep 2019 13:10

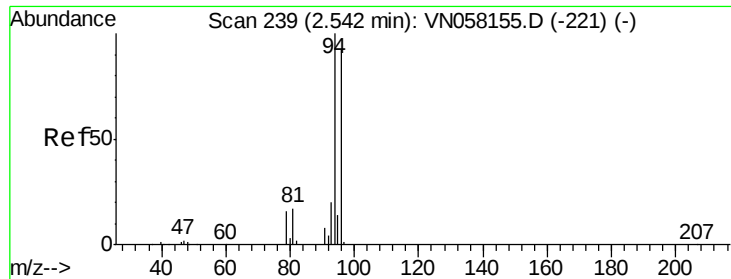
Tgt Ion: 62 Resp: 194805

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 51.291 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion: 94 Resp: 105492

Ion Ratio Lower Upper

94 100

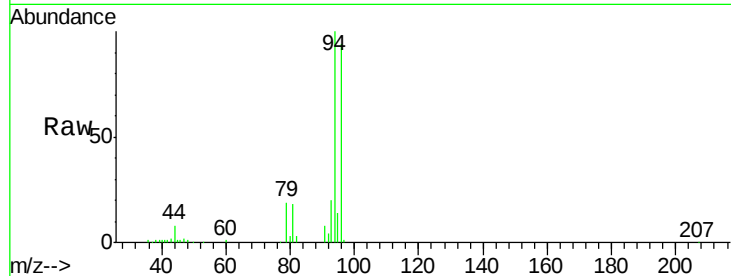
96 94.5 73.3 109.9

Manual Integrations

APPROVED

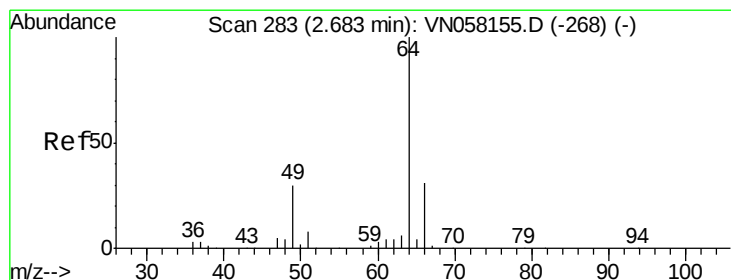
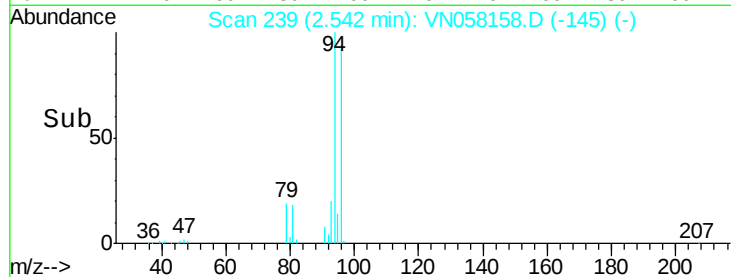
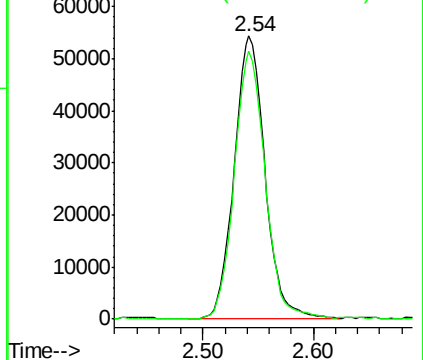
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 50.996 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058158.D

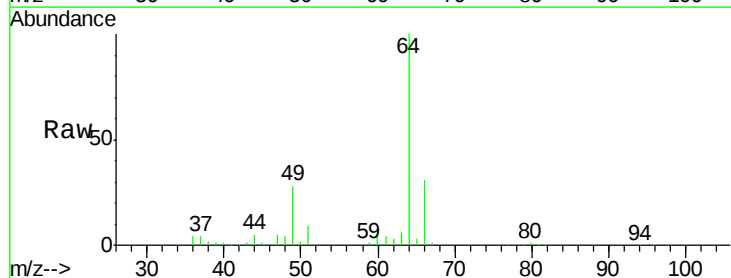
Acq: 18 Sep 2019 13:10

Tgt Ion: 64 Resp: 126784

Ion Ratio Lower Upper

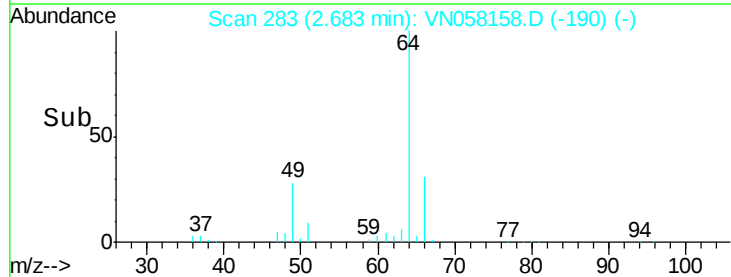
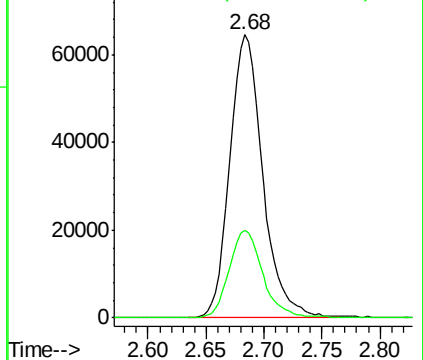
64 100

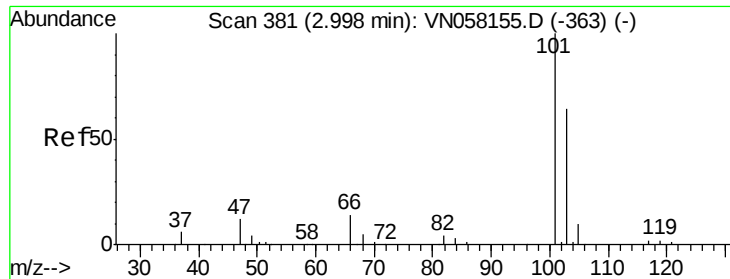
66 31.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

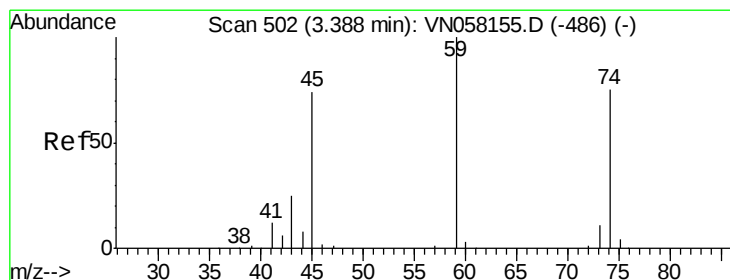
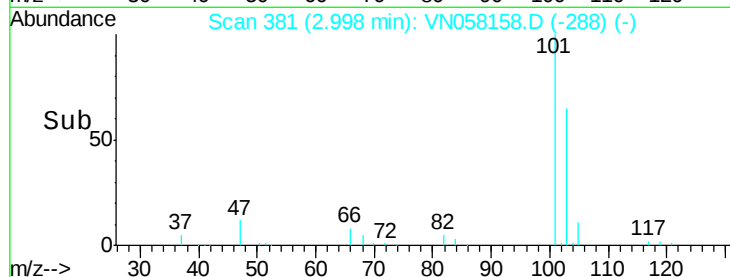
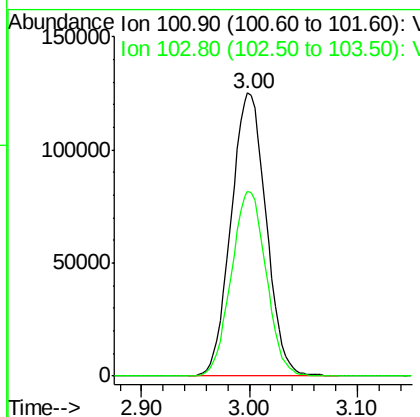
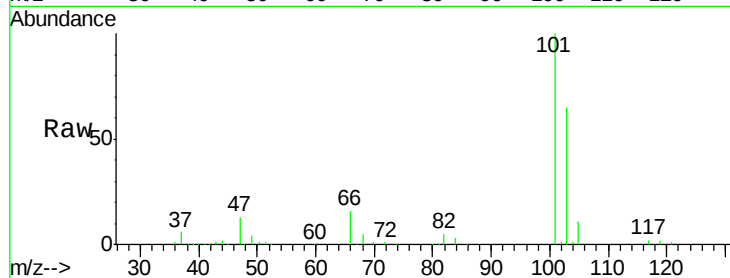
Trichlorofluoromethane  
Concen: 45.064 ug/l  
RT: 3.00 min Scan# 381  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

Tot Ion:101 Resp: 283424  
Ion Ratio Lower Upper  
101 100  
103 65.4 51.0 76.6

Manual Integrations  
APPROVED

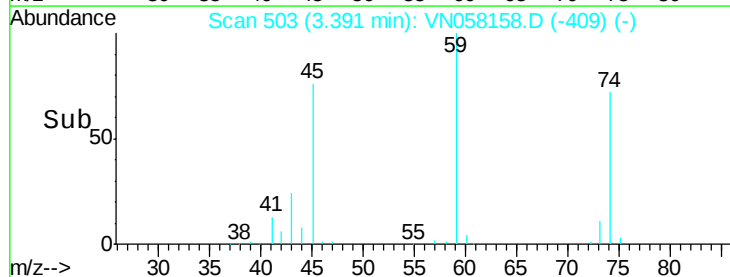
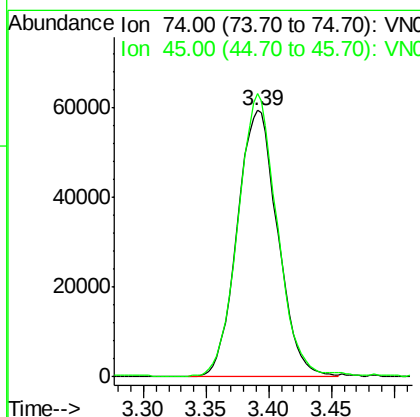
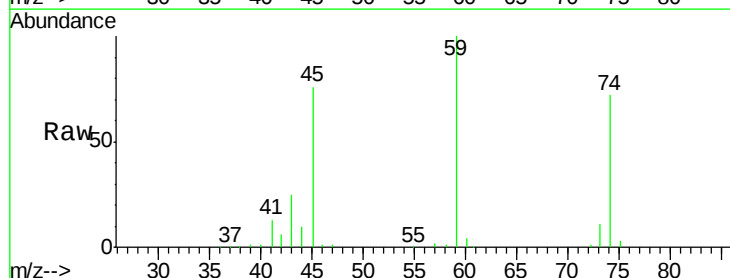
MMDadoda  
9/20/2019 1:43:24 PM

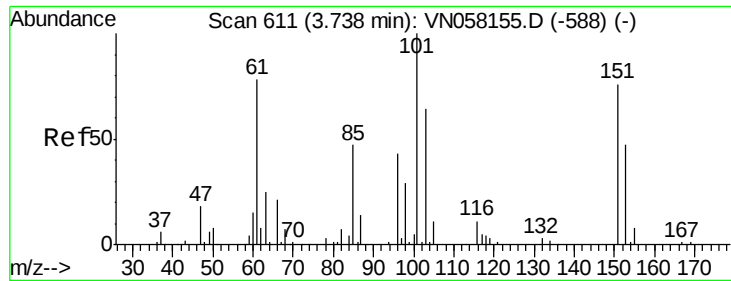


#8

Diethyl Ether  
Concen: 46.266 ug/l  
RT: 3.39 min Scan# 503  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Tgt Ion: 74 Resp: 133327  
Ion Ratio Lower Upper  
74 100  
45 102.5 48.5 145.5





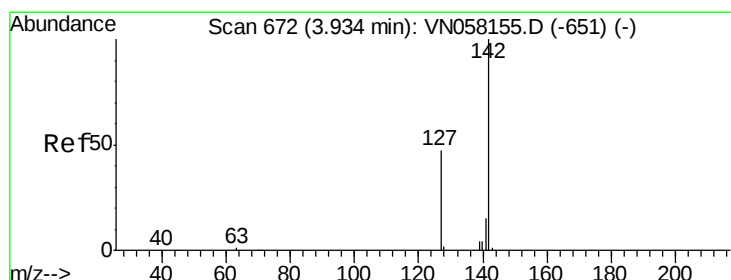
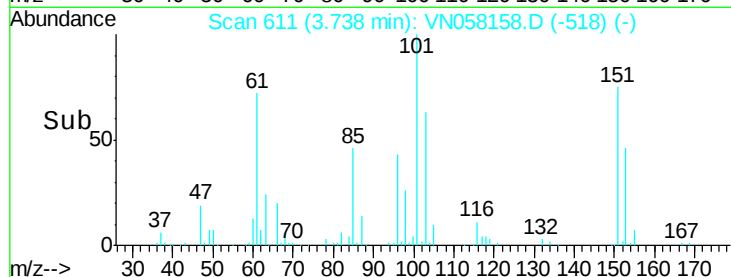
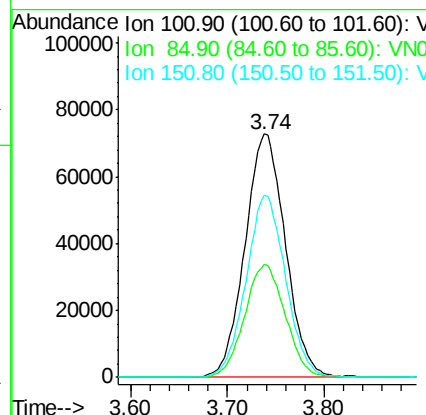
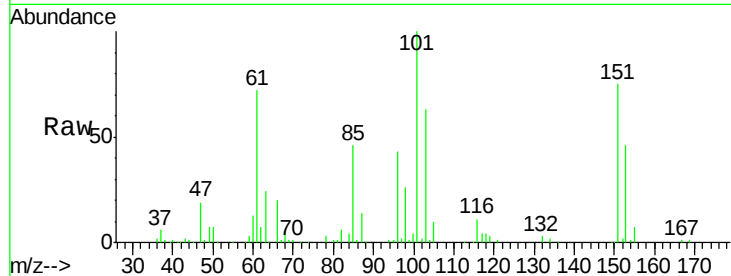
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 46.595 ug/l  
 RT: 3.74 min Scan# 611  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN091819

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 211289 |       |       |
| 85      | 46.4  |        | 37.3  | 55.9  |
| 151     | 73.3  |        | 59.6  | 89.4  |

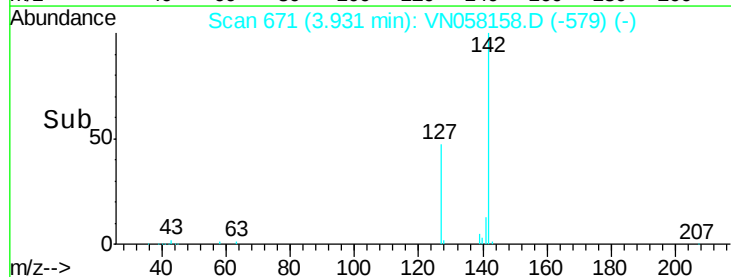
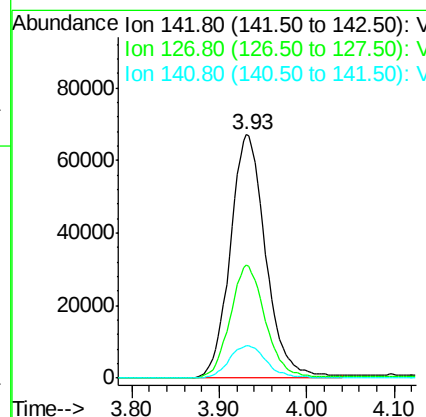
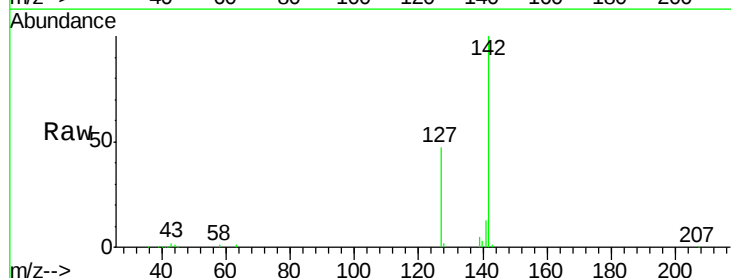
Manual Integrations  
 APPROVED

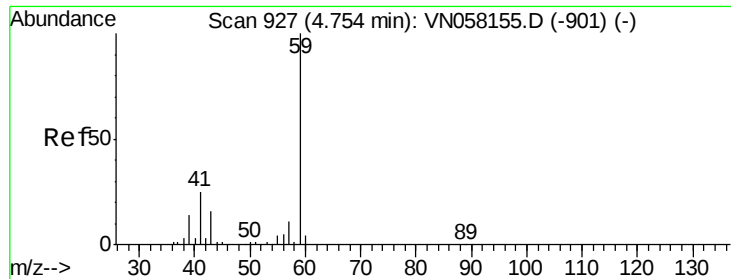
MMDadoda  
 9/20/2019 1:43:24 PM



#10  
 Methyl Iodide  
 Concen: 49.844 ug/l  
 RT: 3.93 min Scan# 671  
 Delta R.T. -0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 189392 |       |       |
| 127     | 45.8  |        | 37.5  | 56.3  |
| 141     | 14.0  |        | 11.4  | 17.2  |





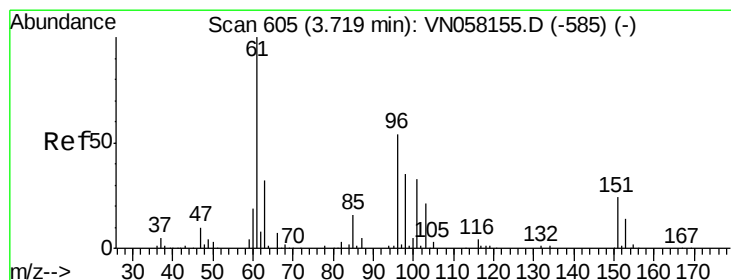
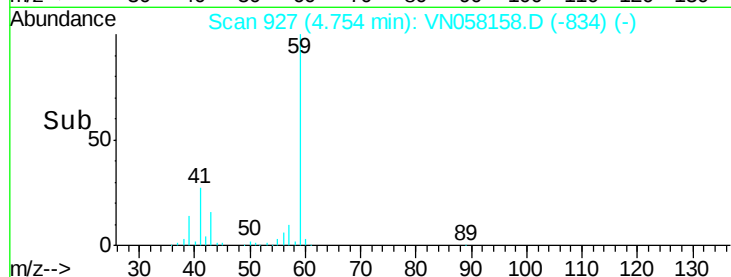
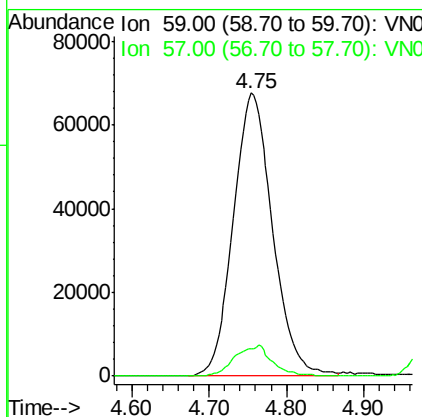
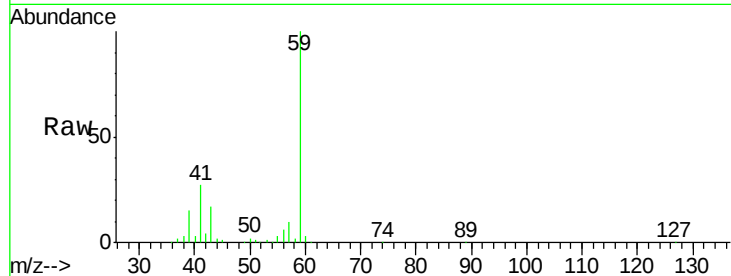
#11  
Tert butyl alcohol  
Concen: 256.800 ug/l  
RT: 4.75 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion   | 59   | Resp  | 238644 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.3 | 8.6   | 13.0   |

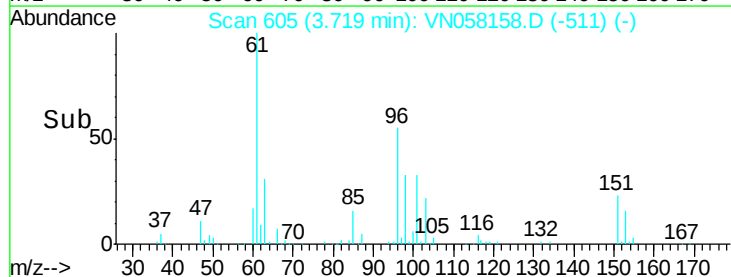
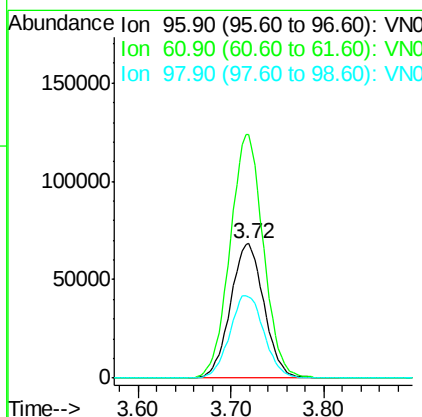
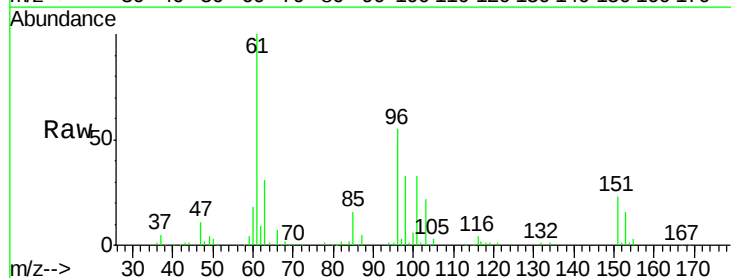
Manual Integrations  
APPROVED

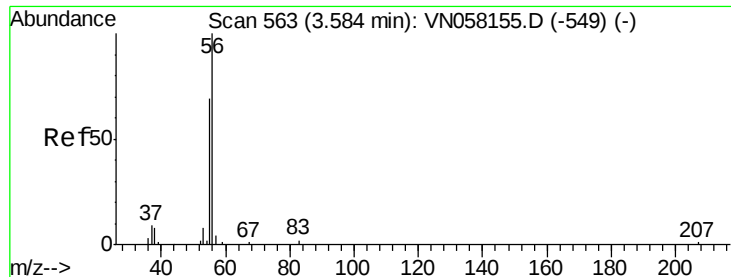
MMDadoda  
9/20/2019 1:43:24 PM



#12  
1,1-Dichloroethene  
Concen: 49.829 ug/l  
RT: 3.72 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion   | 96    | Resp  | 171478 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 181.2 | 149.5 | 224.3  |
| 98        | 60.4  | 52.4  | 78.6   |





#13

Acrolein

Concen: 339.293 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion: 56 Resp: 46727

Ion Ratio Lower Upper

56 100

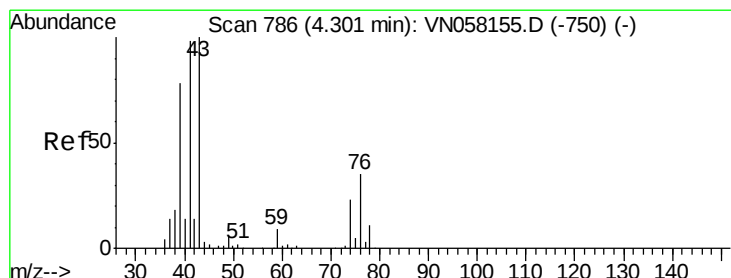
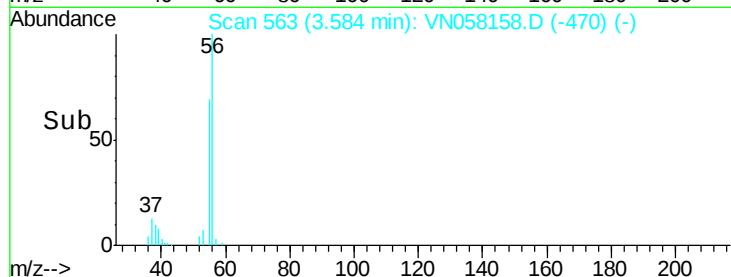
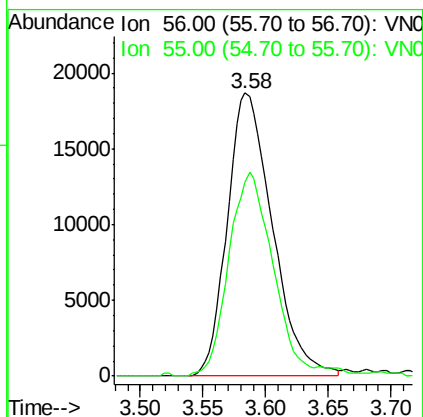
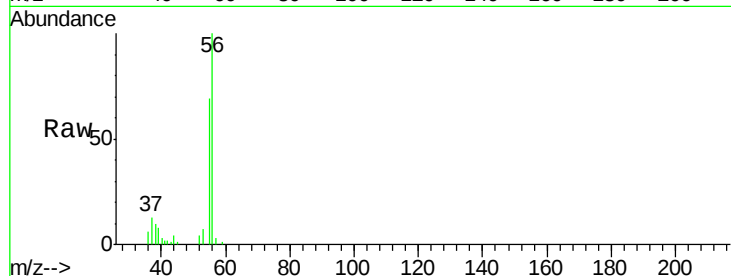
55 69.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 47.970 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

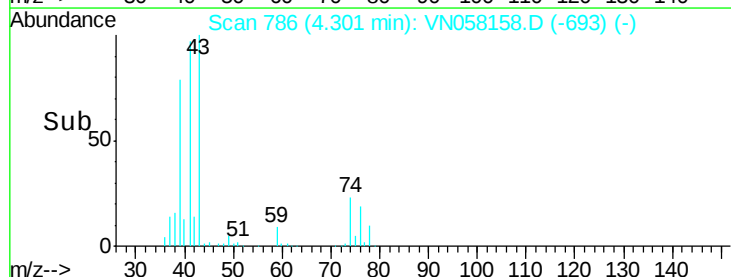
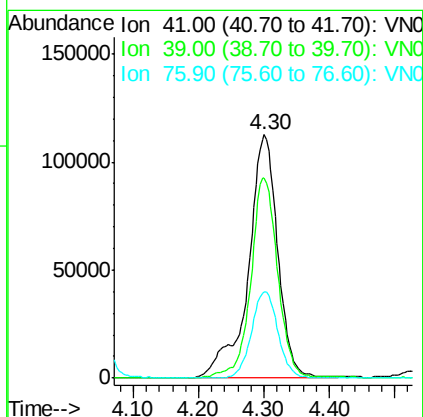
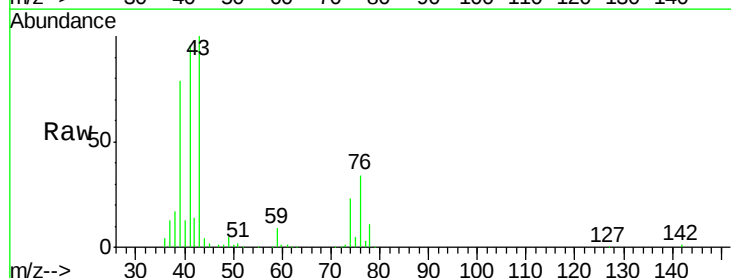
Tgt Ion: 41 Resp: 355939

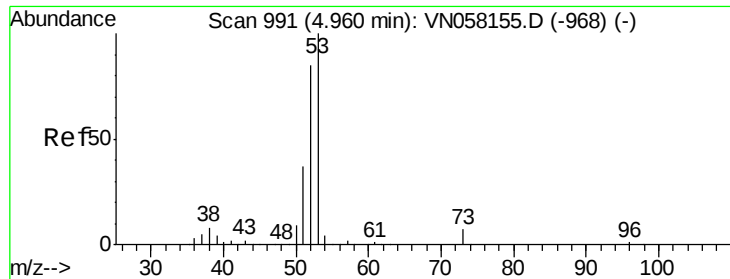
Ion Ratio Lower Upper

41 100

39 74.7 59.1 88.7

76 31.7 25.1 37.7





#15

Acrylonitrile

Concen: 258.297 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

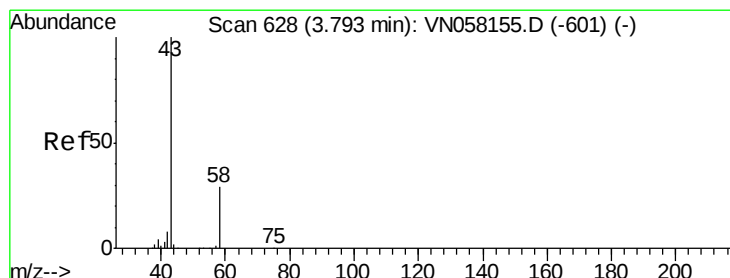
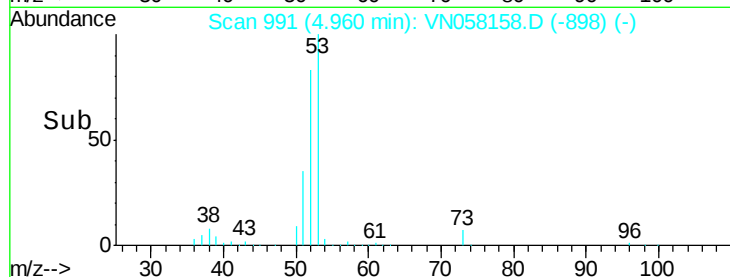
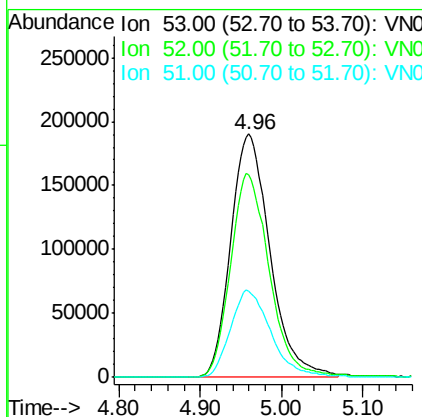
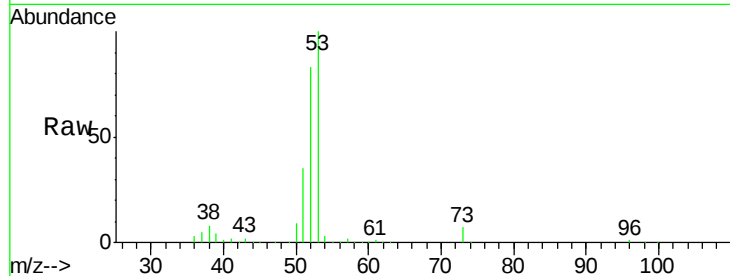
ClientSampleId :

ICVVN091819

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 639521 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.8  | 66.6  | 100.0  |
| 51       | 37.1  | 29.7  | 44.5   |

Manual Integrations  
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#16

Acetone

Concen: 249.845 ug/l

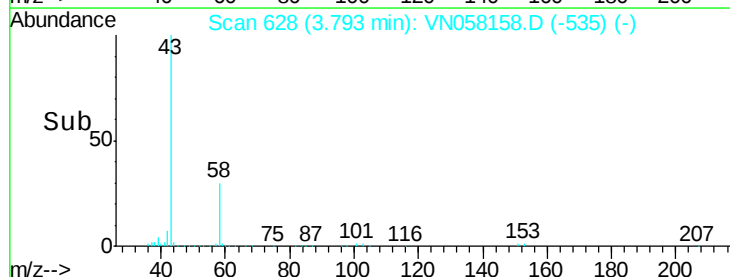
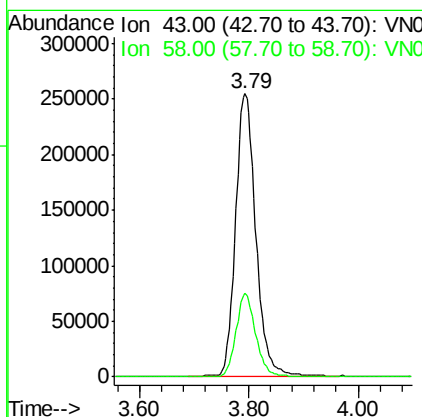
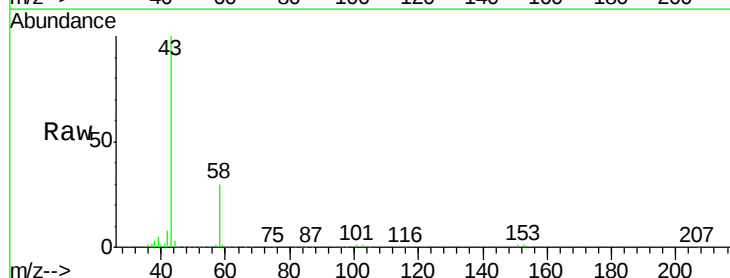
RT: 3.79 min Scan# 628

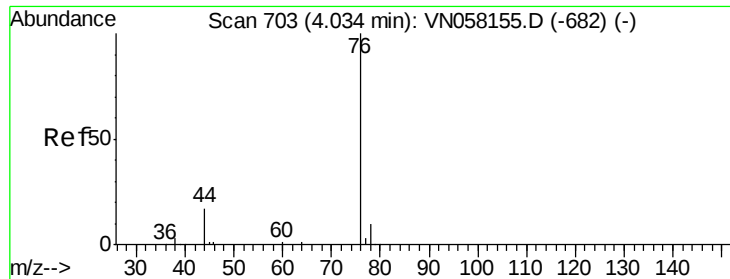
Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 662547 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 29.6  | 23.4  | 35.2   |





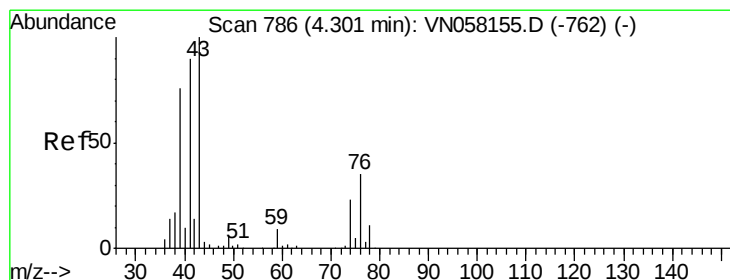
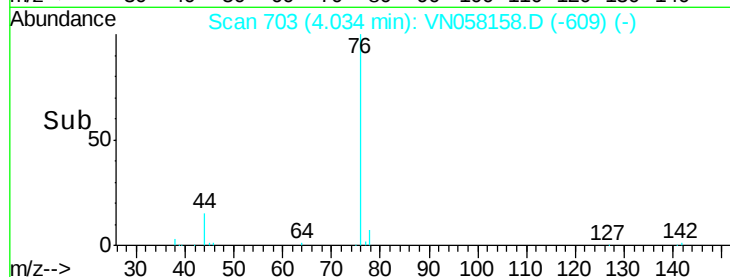
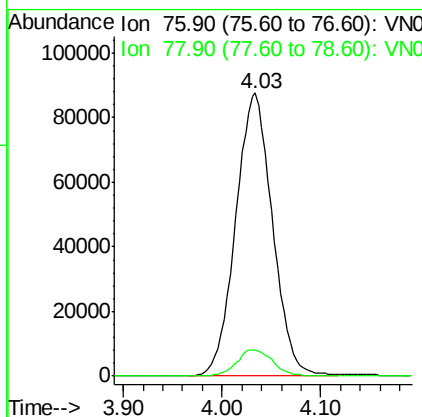
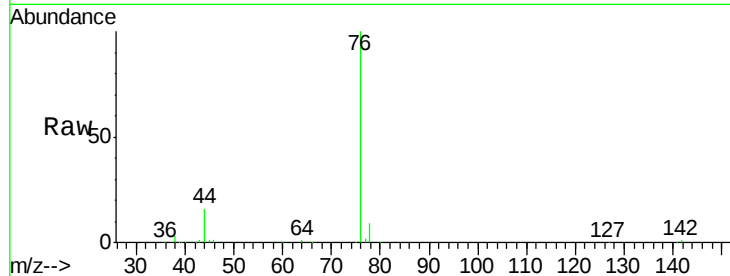
#17  
Carbon Disulfide  
Concen: 46.779 ug/l  
RT: 4.03 min Scan# 703  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.0   | 7.7   | 11.5  |

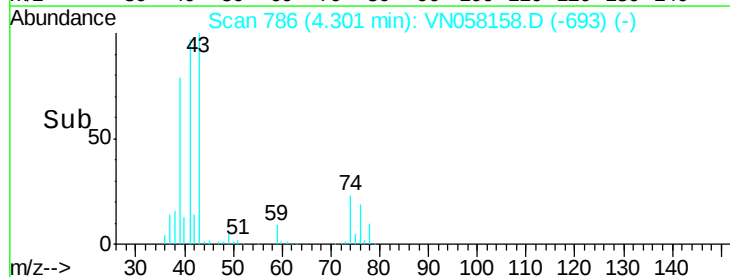
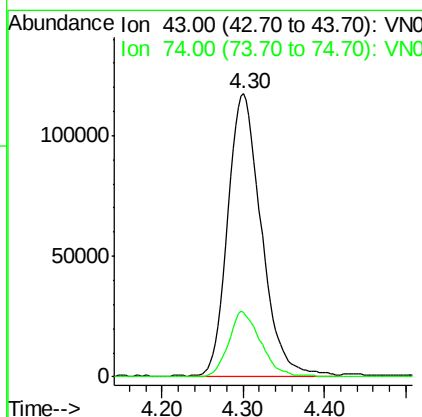
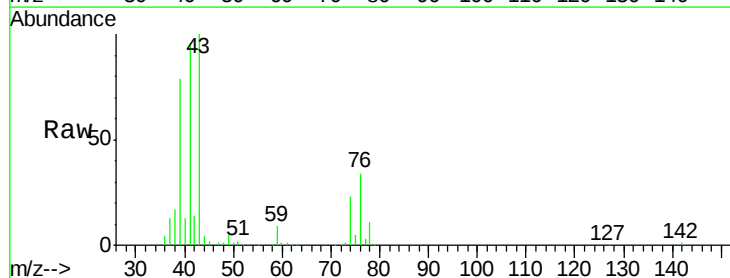
Manual Integrations  
APPROVED

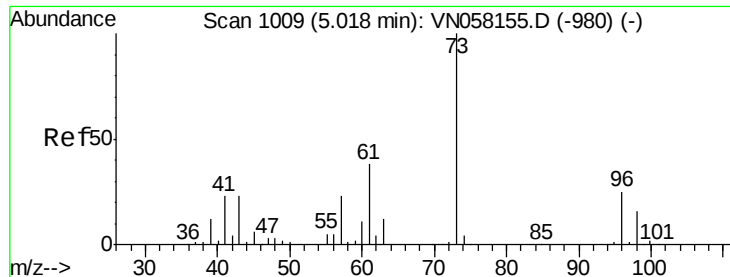
MMDadoda  
9/20/2019 1:43:24 PM



#18  
Methyl Acetate  
Concen: 48.218 ug/l  
RT: 4.30 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.3  | 18.0  | 27.0  |





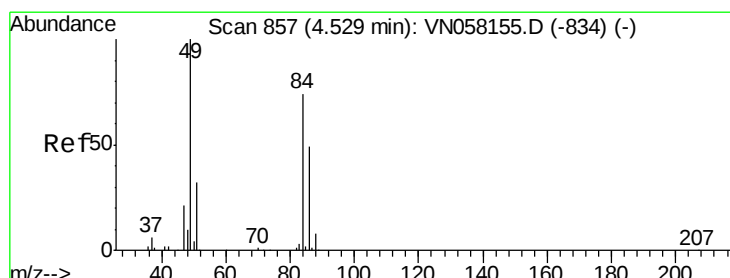
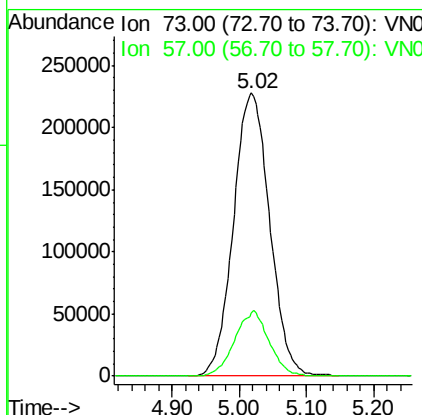
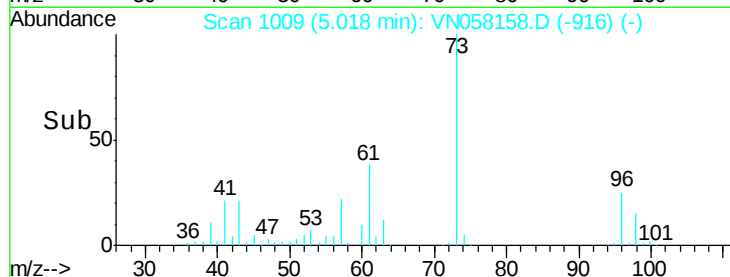
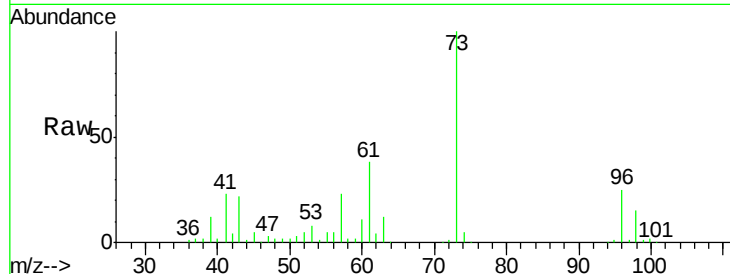
#19  
Methvl tert-butvl Ether  
Concen: 49.839 ug/l  
RT: 5.02 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

Tot Ion: 73 Resp: 852386  
Ion Ratio Lower Upper  
73 100  
57 22.5 18.1 27.1

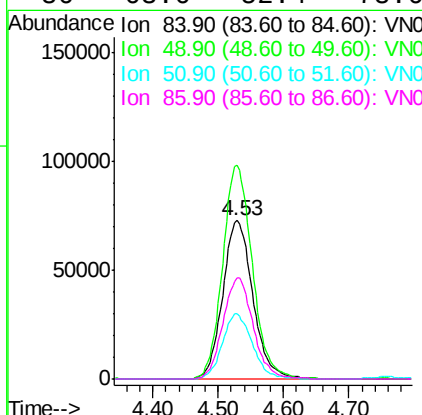
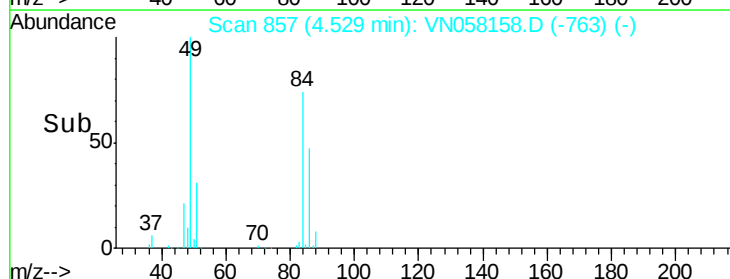
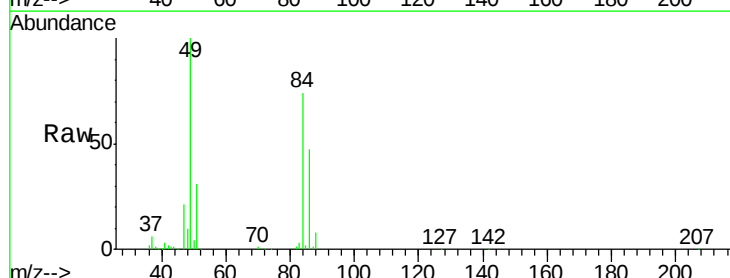
Manual Integrations  
APPROVED

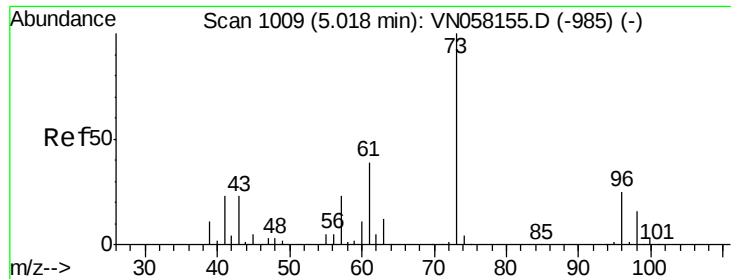
MMDadoda  
9/20/2019 1:43:24 PM



#20  
Methylene Chloride  
Concen: 50.185 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Tgt Ion: 84 Resp: 232995  
Ion Ratio Lower Upper  
84 100  
49 134.8 107.5 161.3  
51 41.2 33.9 50.9  
86 63.6 52.4 78.6





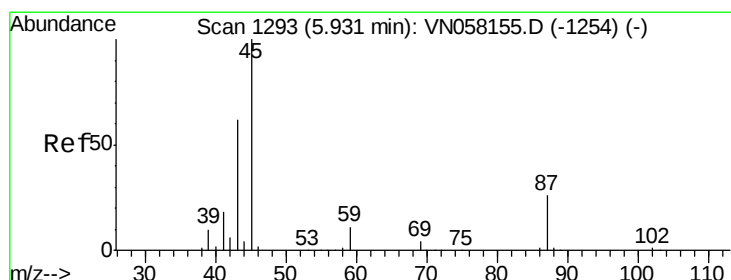
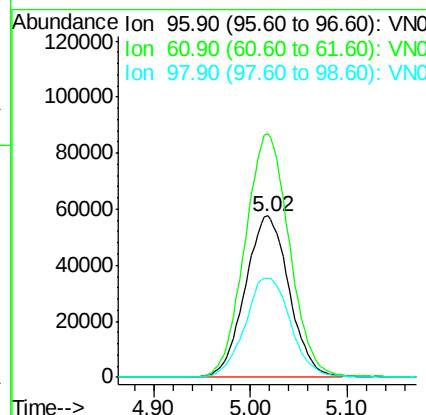
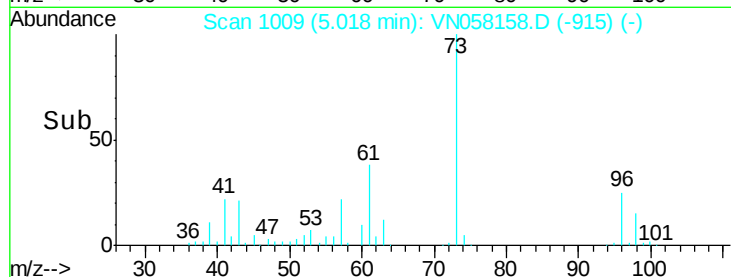
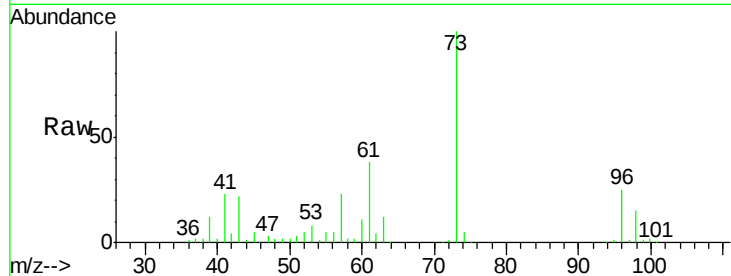
#21  
trans-1,2-Dichloroethene  
Concen: 48.485 ug/l  
RT: 5.02 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.1 | 122.2 | 183.4 |
| 98      | 61.2  | 49.9  | 74.9  |

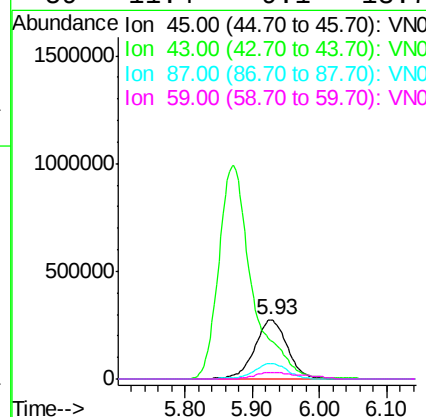
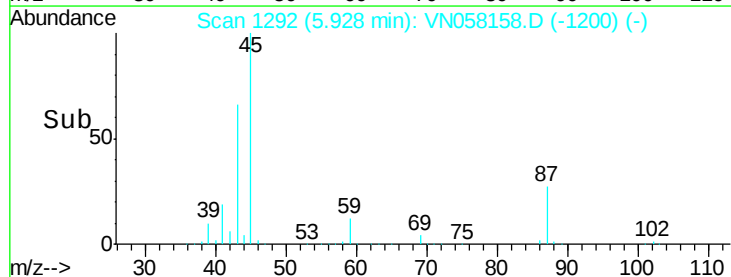
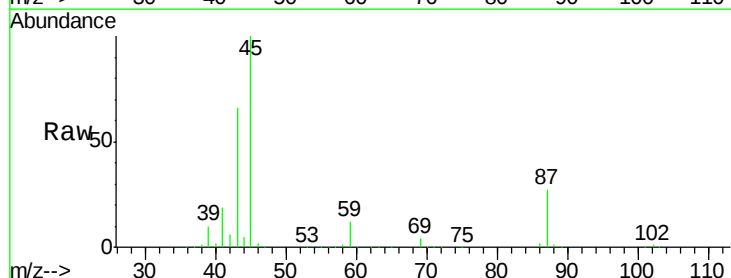
Manual Integrations  
APPROVED

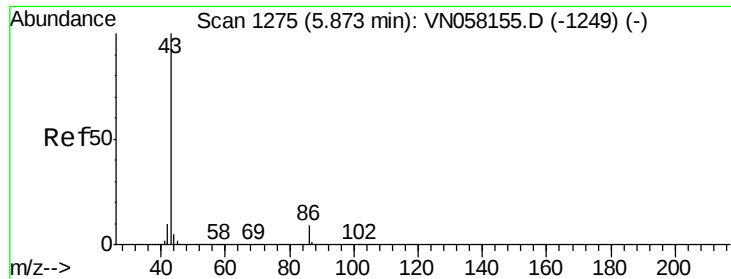
MMDadoda  
9/20/2019 1:43:24 PM



#22  
Diisopropyl ether  
Concen: 49.162 ug/l  
RT: 5.93 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 65.0  | 49.7  | 74.5  |
| 87      | 26.7  | 20.7  | 31.1  |
| 59      | 11.4  | 9.1   | 13.7  |





#23

Vinyl Acetate

Concen: 266.867 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion: 43 Resp: 3441813

Ion Ratio Lower Upper

43 100

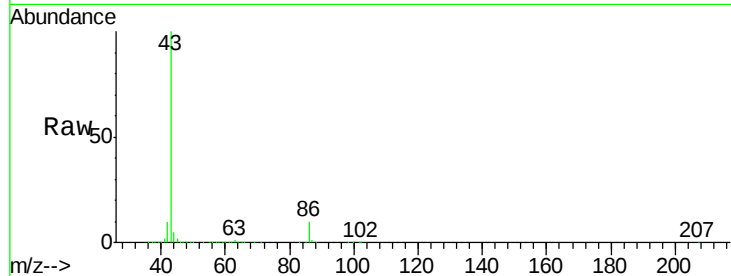
86 9.7 7.4 11.2

Manual Integrations

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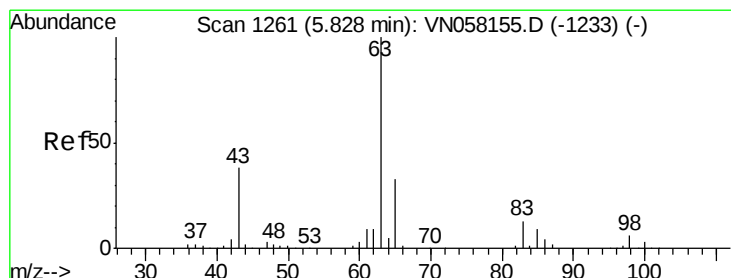
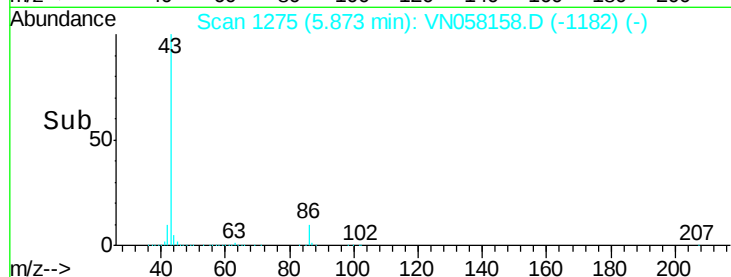
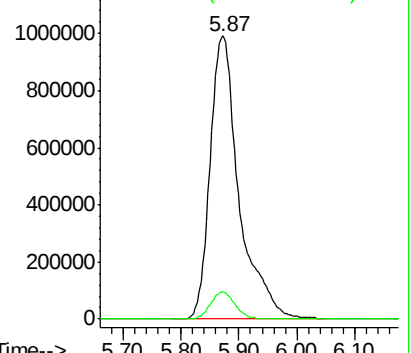
MMDadoda

9/20/2019 1:43:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.734 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

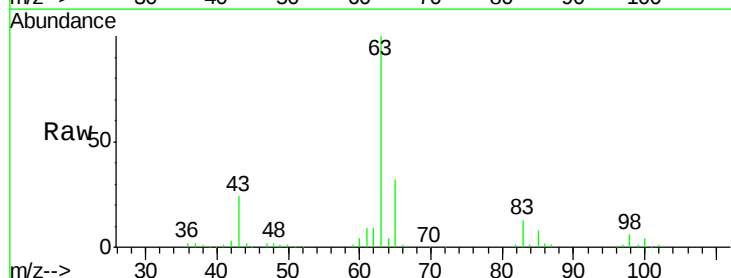
Tgt Ion: 63 Resp: 480192

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

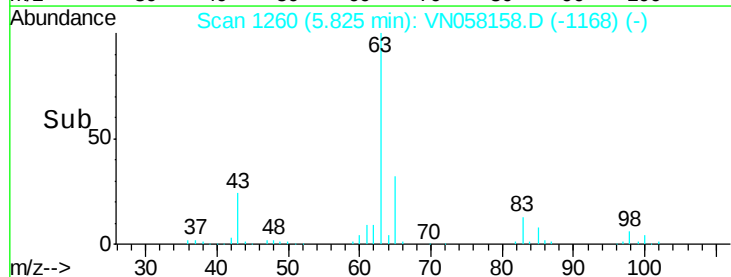
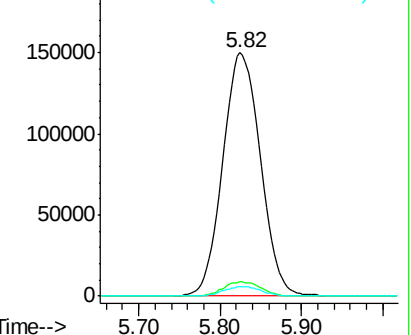
100 3.8 1.8 5.3

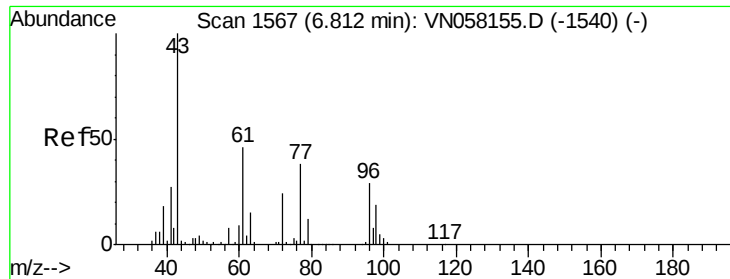


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





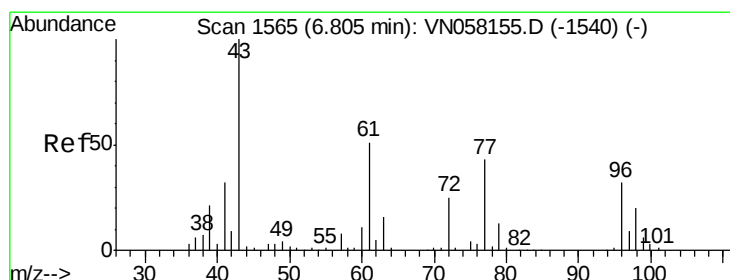
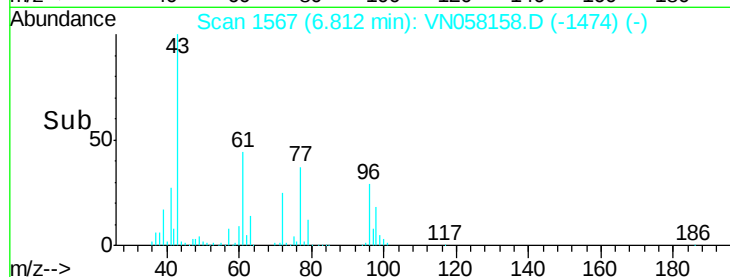
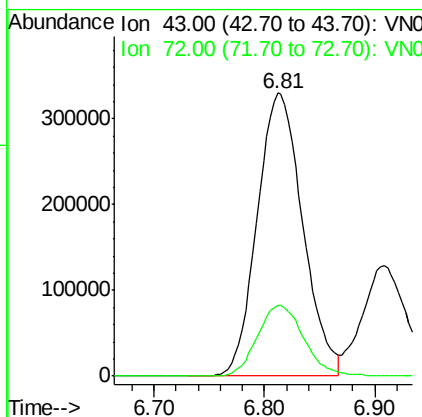
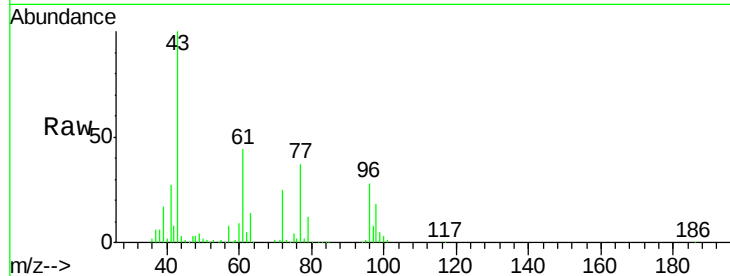
#25  
2-Butanone  
Concen: 260.542 ug/l  
RT: 6.81 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

Tot Ion: 43 Resp: 941287  
Ion Ratio Lower Upper  
43 100  
72 25.1 19.5 29.3

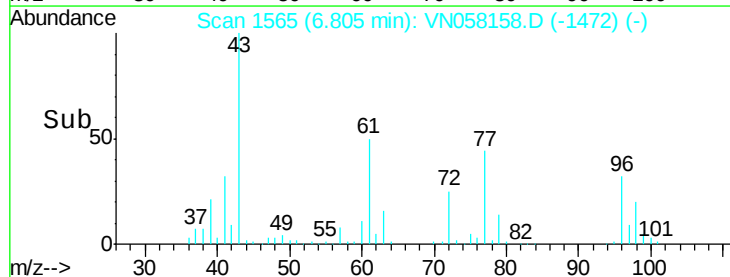
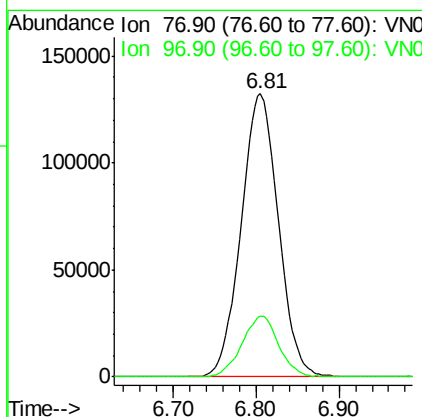
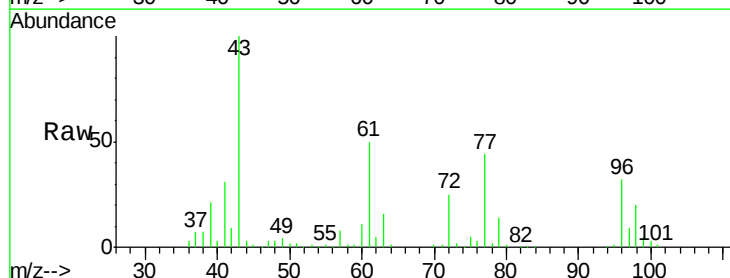
Manual Integrations  
APPROVED

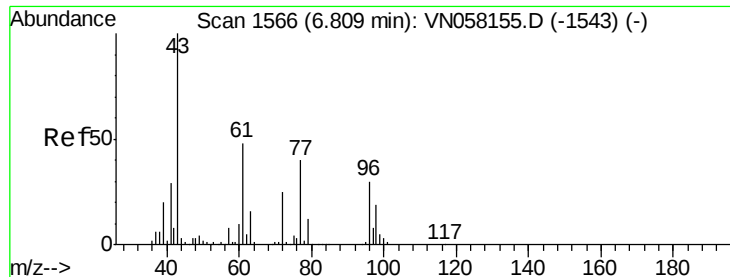
MMDadoda  
9/20/2019 1:43:24 PM



#26  
2,2-Dichloropropane  
Concen: 48.344 ug/l  
RT: 6.81 min Scan# 1565  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Tgt Ion: 77 Resp: 412585  
Ion Ratio Lower Upper  
77 100  
97 21.3 10.5 31.6





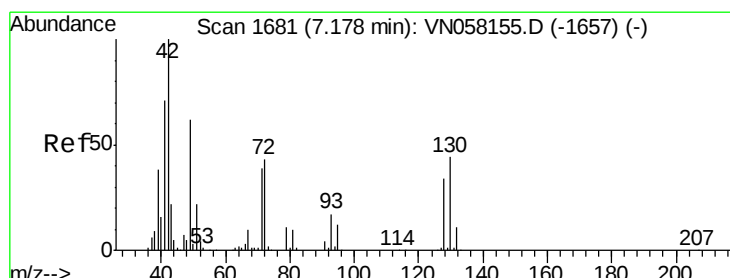
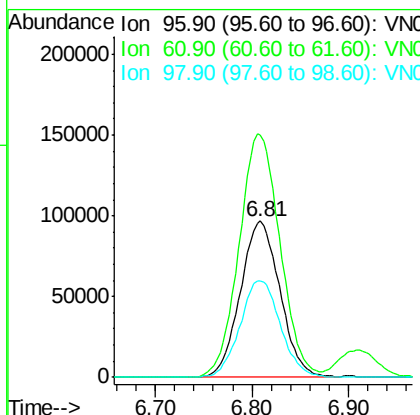
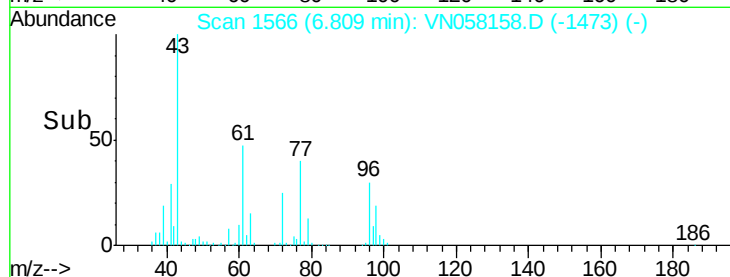
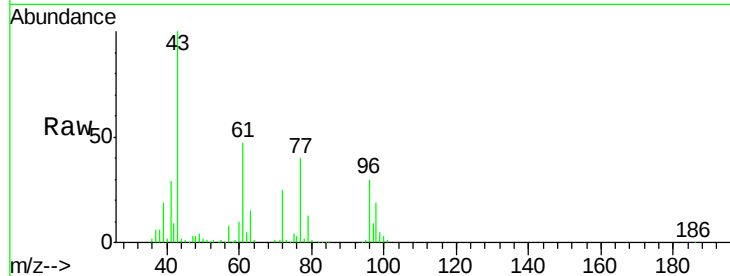
#27  
 cis-1,2-Dichloroethene  
 Concen: 48.446 ug/l  
 RT: 6.81 min Scan# 1566  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN091819

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 275568 |       |       |
| 61      | 160.5 | 0.0    | 319.0 |       |
| 98      | 63.2  | 0.0    | 126.6 |       |

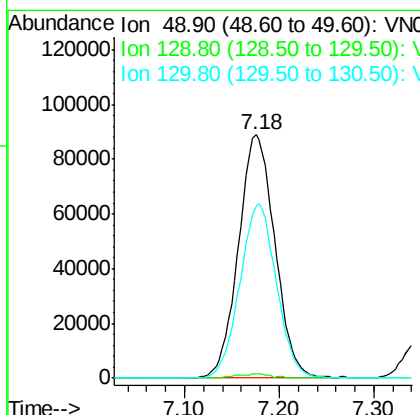
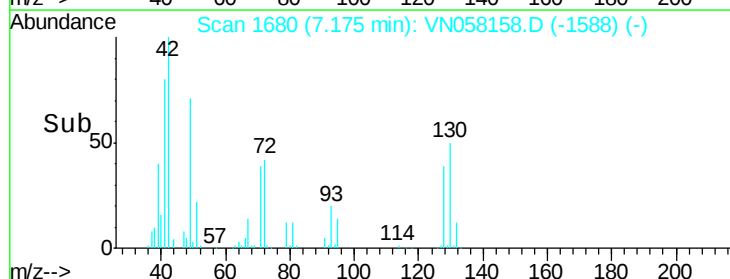
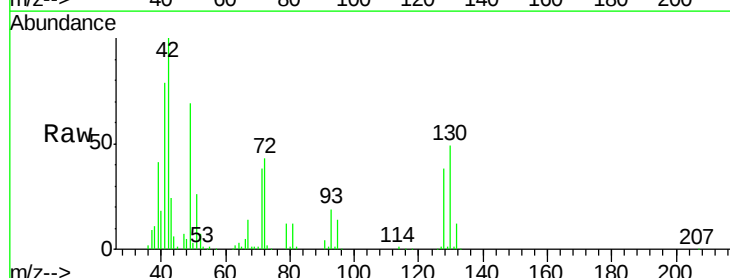
Manual Integrations  
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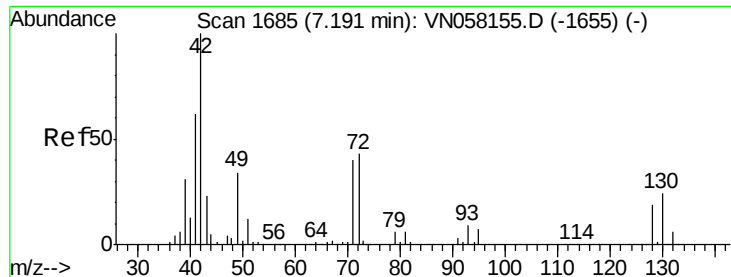
MMDadoda  
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#28  
 Bromochloromethane  
 Concen: 50.045 ug/l  
 RT: 7.18 min Scan# 1680  
 Delta R.T. -0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 238158 |       |       |
| 129     | 1.5   | 0.0    | 1.8   |       |
| 130     | 71.8  | 55.4   | 83.2  |       |





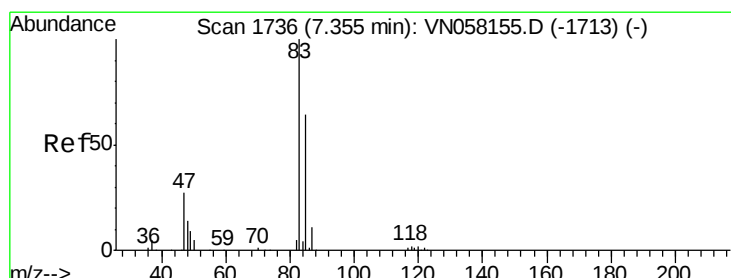
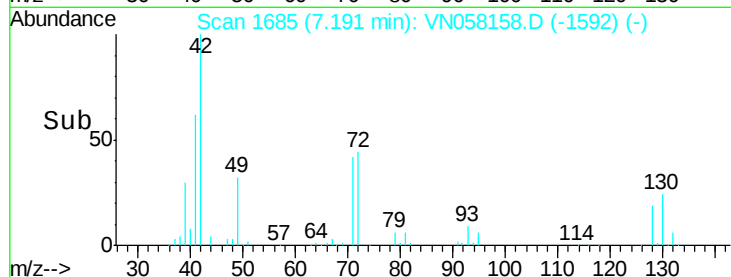
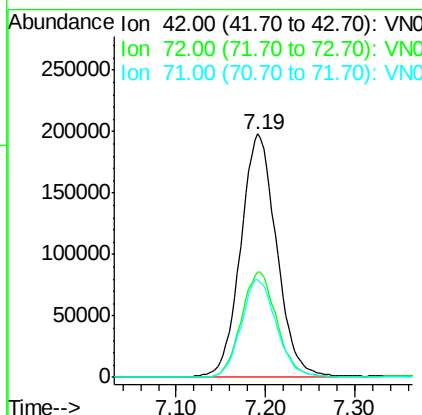
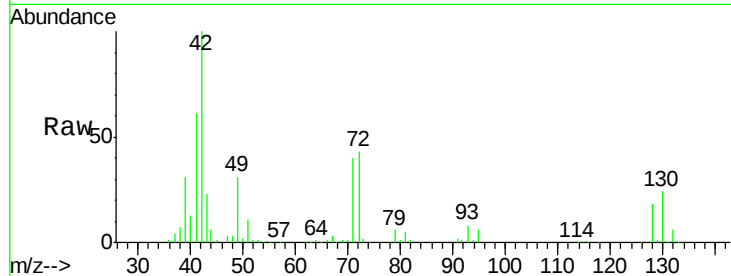
#29  
Tetrahydrofuran  
Concen: 247.849 ug/l  
RT: 7.19 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.0  | 33.8  | 50.6  |
| 71      | 39.8  | 31.4  | 47.0  |

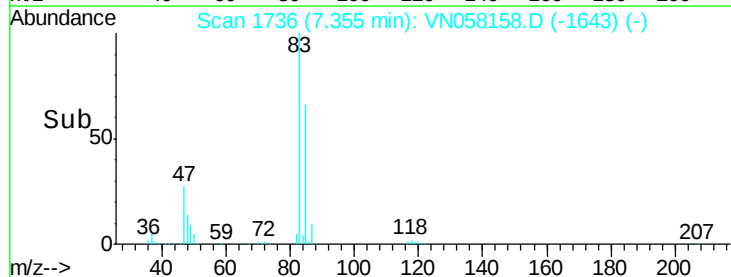
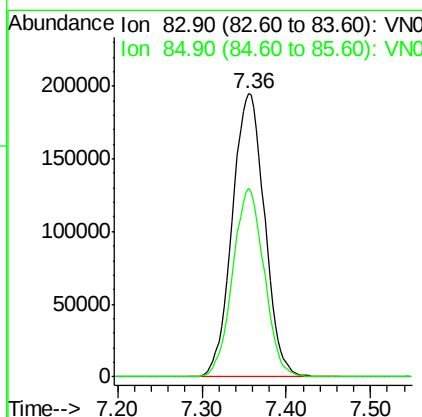
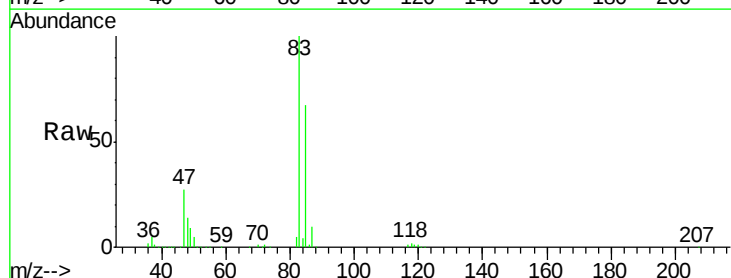
Manual Integrations  
APPROVED

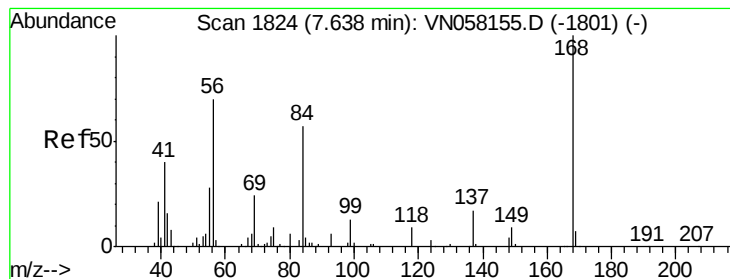
MMDadoda  
9/20/2019 1:43:24 PM



#30  
Chloroform  
Concen: 48.062 ug/l  
RT: 7.36 min Scan# 1736  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.5  | 51.4  | 77.2  |





#31

Cyclohexane

Concen: 48.933 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampled :

ICVVN091819

Tot Ion: 56 Resp: 318527

Ion Ratio Lower Upper

56 100

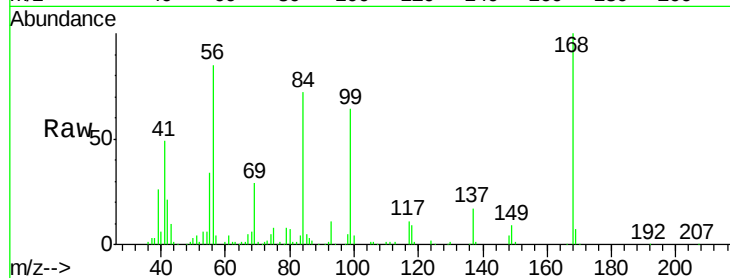
69 34.7 27.3 40.9

84 83.0 65.0 97.4

Manual Integrations  
APPROVED

MMDadoda

9/20/2019 1:43:24 PM

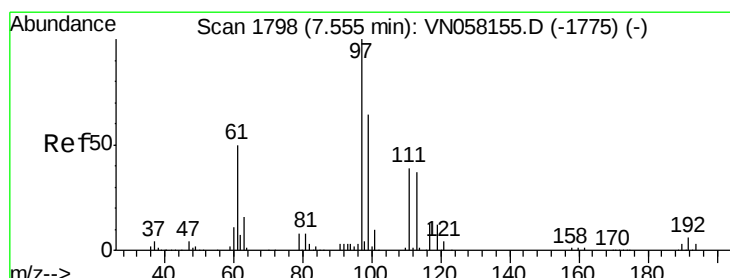
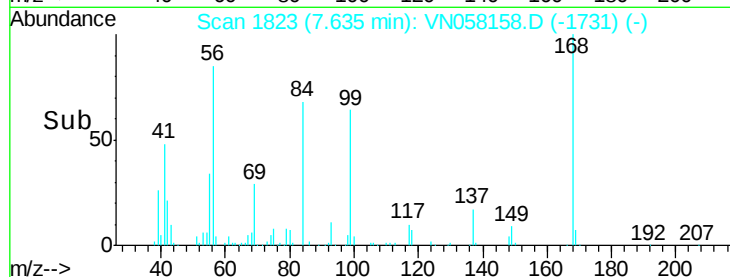
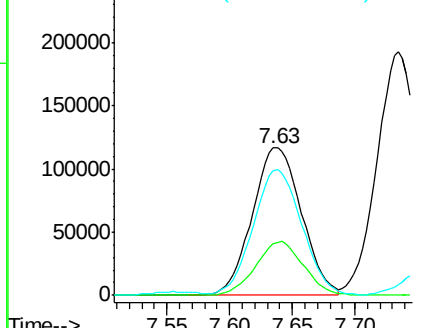


Abundance

Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 50.378 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

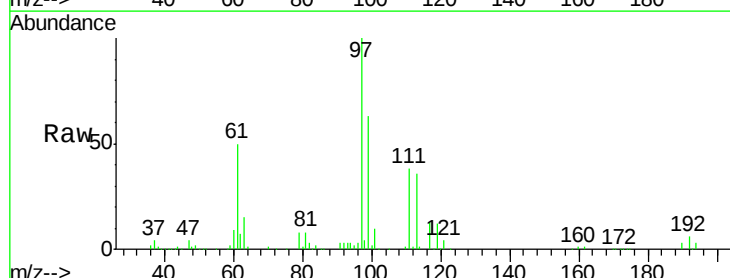
Tgt Ion: 97 Resp: 415290

Ion Ratio Lower Upper

97 100

99 63.1 50.9 76.3

61 49.1 39.2 58.8

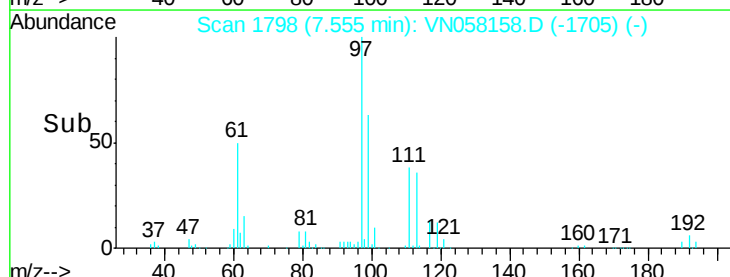
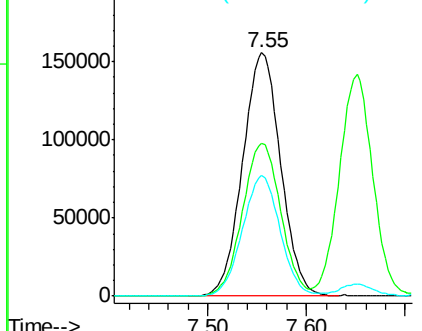


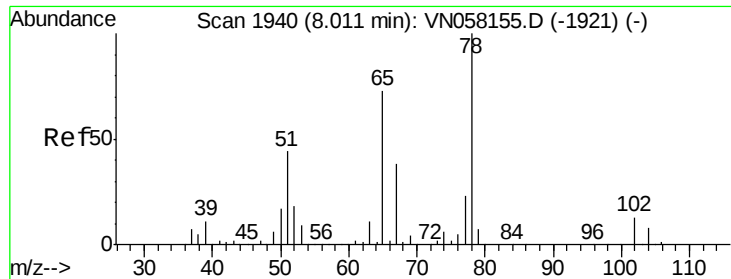
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





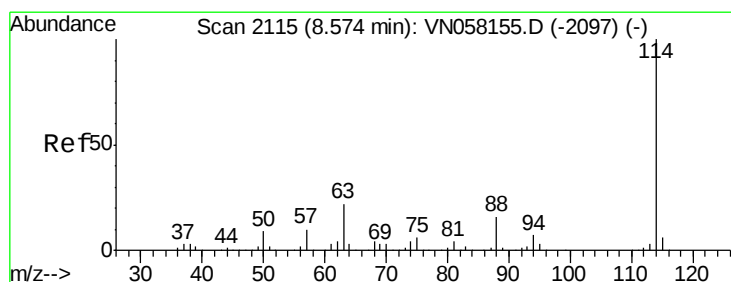
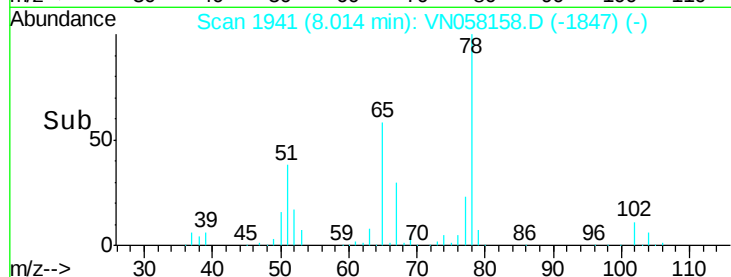
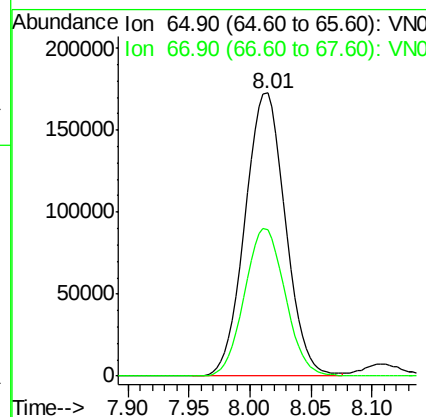
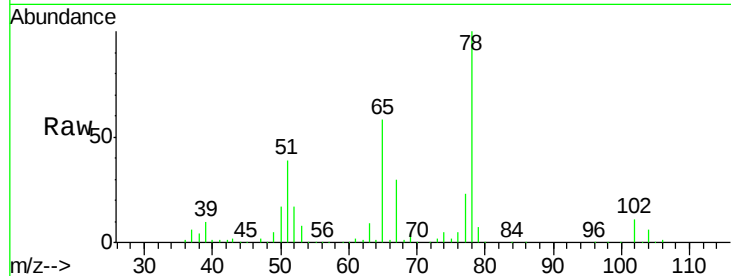
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.775 ug/l  
 RT: 8.01 min Scan# 1941  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN091819

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 52.3  | 0.0  | 103.4 |       |

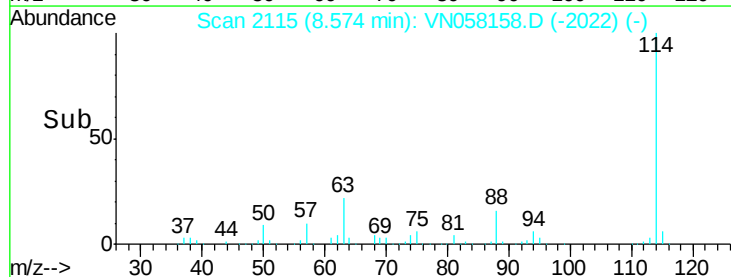
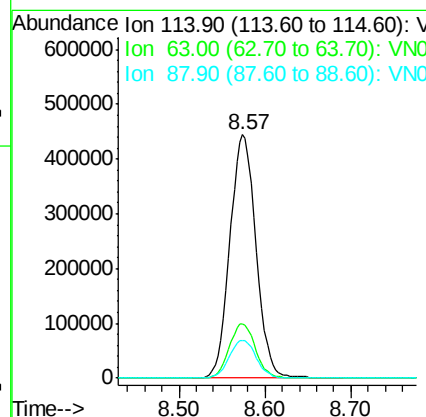
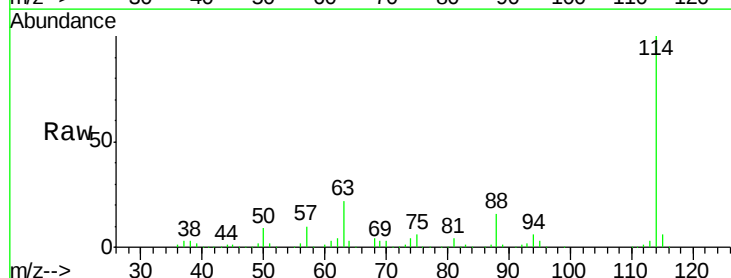
Manual Integrations  
 APPROVED

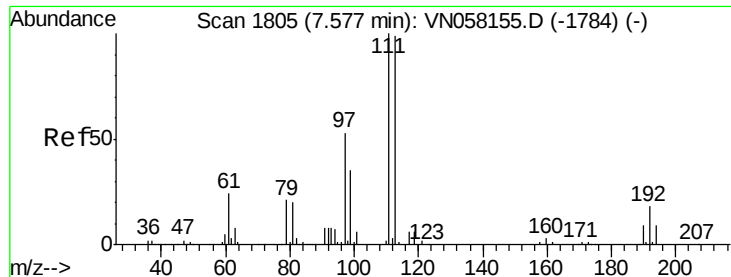
MMDadoda  
 9/20/2019 1:43:24 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 22.4  | 0.0  | 44.2  |       |
| 88      | 15.5  | 0.0  | 31.6  |       |





#35

Dibromofluoromethane

Concen: 50.719 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

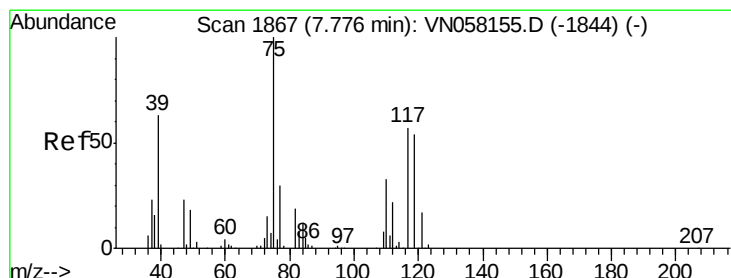
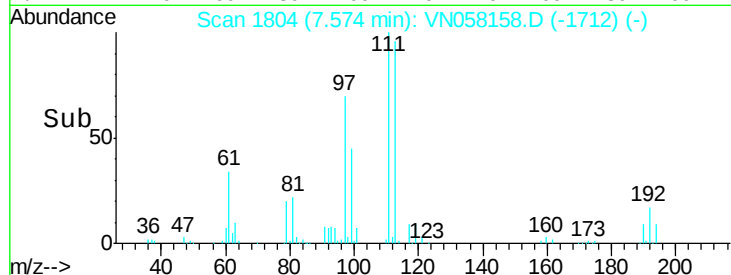
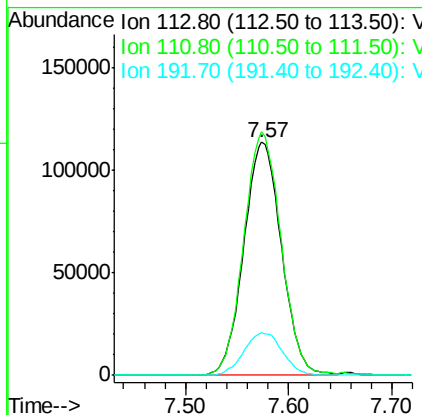
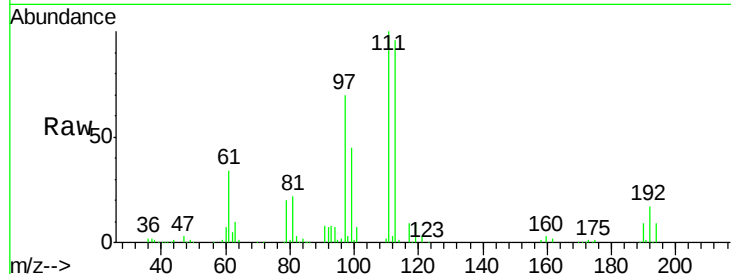
ClientSampleId :

ICVVN091819

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 288636 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.4 | 81.8  | 122.6  |
| 192       | 18.7  | 14.5  | 21.7   |

Manual Integrations  
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9/20/2019 1:43:24 PM



#36

1,1-Dichloropropene

Concen: 45.346 ug/l

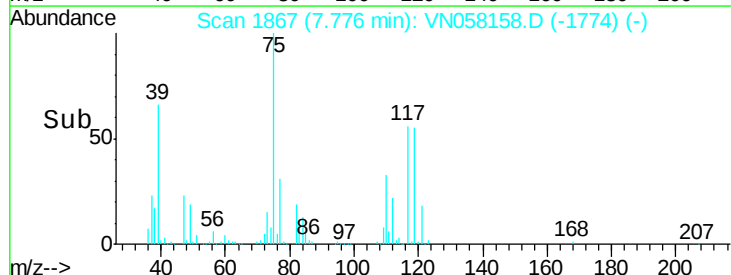
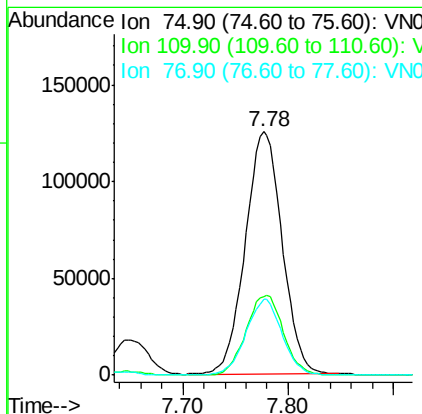
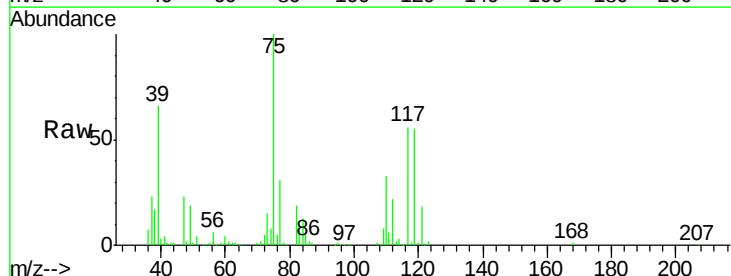
RT: 7.78 min Scan# 1867

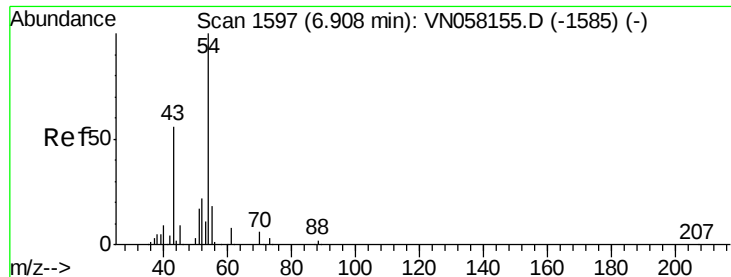
Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 306120 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 33.2  | 16.6  | 49.7   |
| 77        | 30.9  | 24.3  | 36.5   |





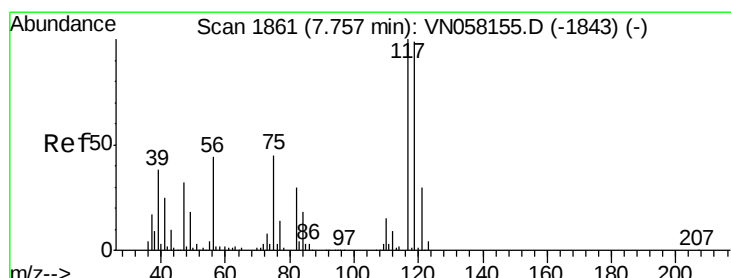
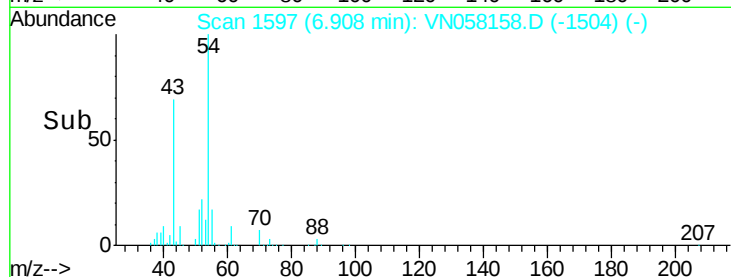
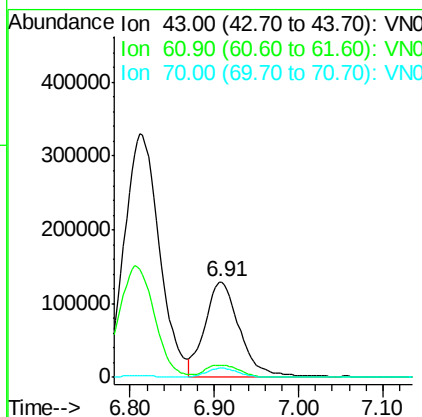
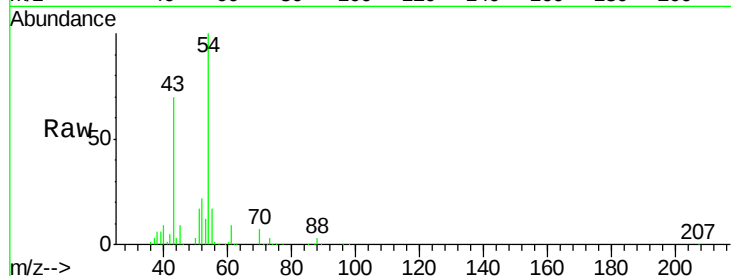
#37  
Ethyl Acetate  
Concen: 52.103 ug/l  
RT: 6.91 min Scan# 1597  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 12.8  | 10.7 | 16.1  |       |
| 70      | 9.3   | 7.6  | 11.4  |       |

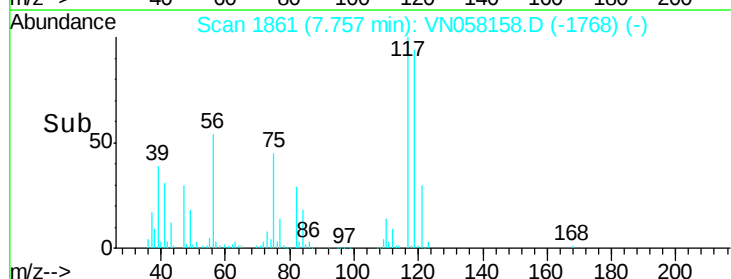
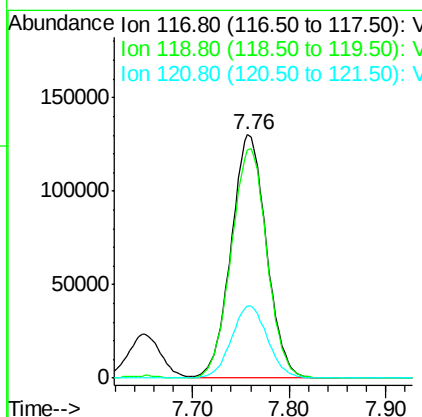
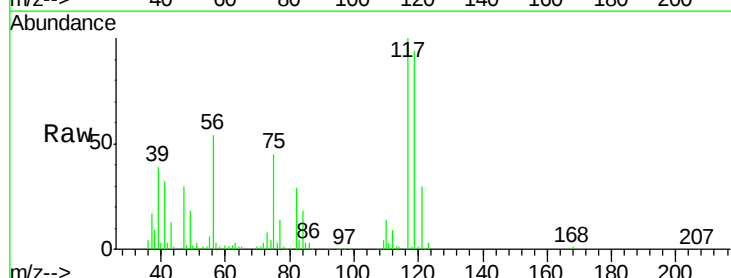
Manual Integrations  
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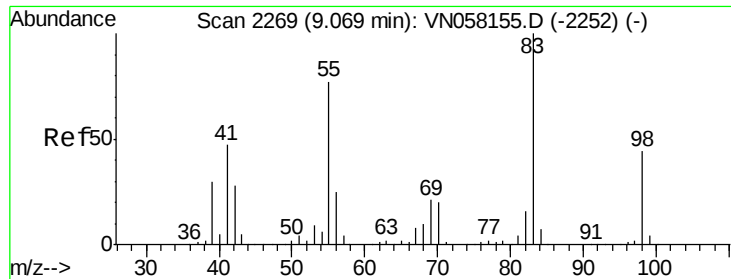
MMDadoda  
9/20/2019 1:43:24 PM



#38  
Carbon Tetrachloride  
Concen: 48.722 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 93.4  | 78.6 | 117.8 |       |
| 121     | 29.8  | 24.1 | 36.1  |       |





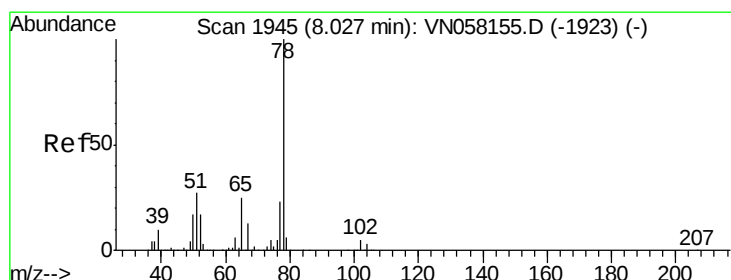
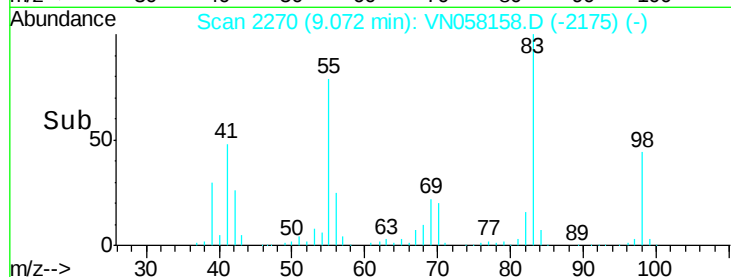
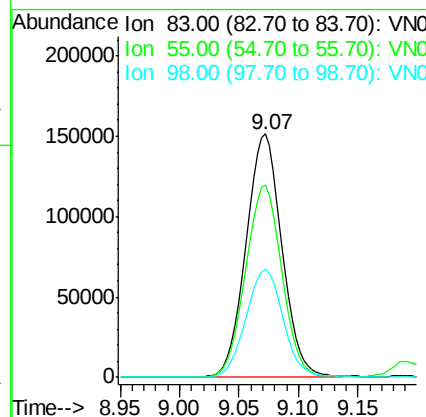
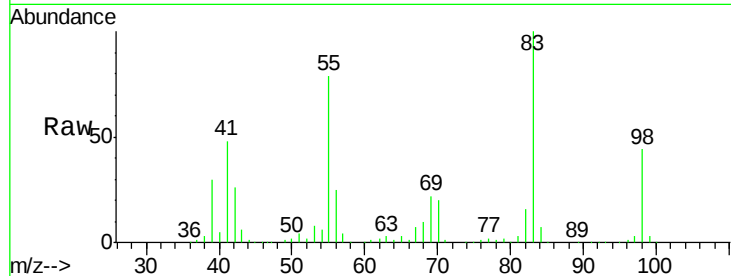
#39  
Methvlcvclohexane  
Concen: 48.569 ug/l  
RT: 9.07 min Scan# 2270  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion   | 83   | Resp  | 317008 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 55        | 78.9 | 61.9  | 92.9   |
| 98        | 44.1 | 35.4  | 53.2   |

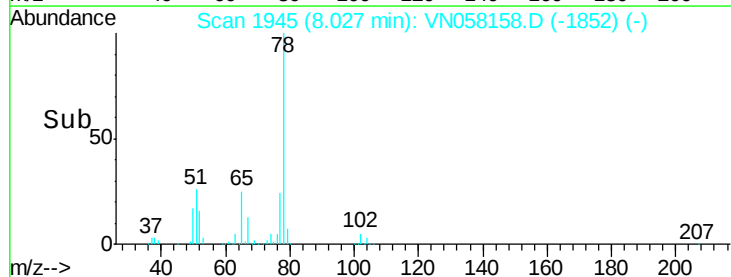
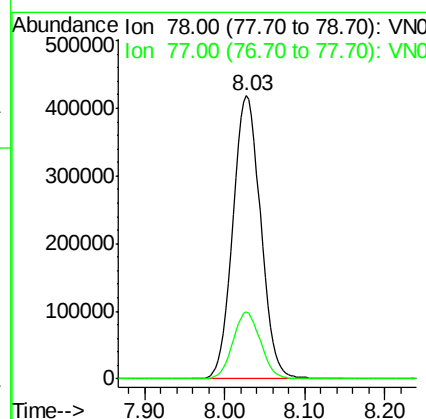
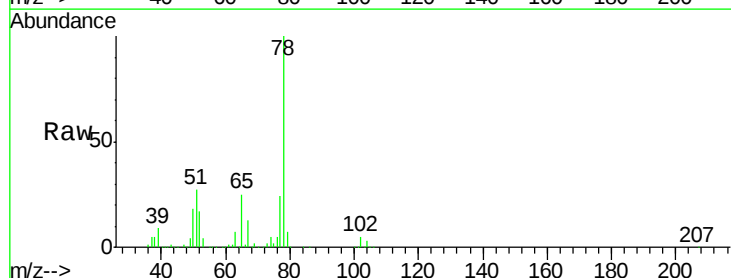
Manual Integrations  
APPROVED

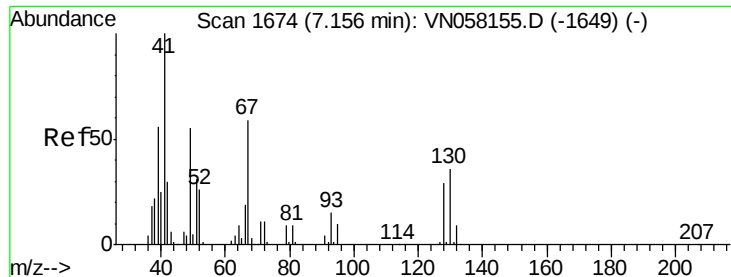
MMDadoda  
9/20/2019 1:43:24 PM



#40  
Benzene  
Concen: 48.061 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion   | 78   | Resp  | 990992 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.7 | 18.8  | 28.2   |





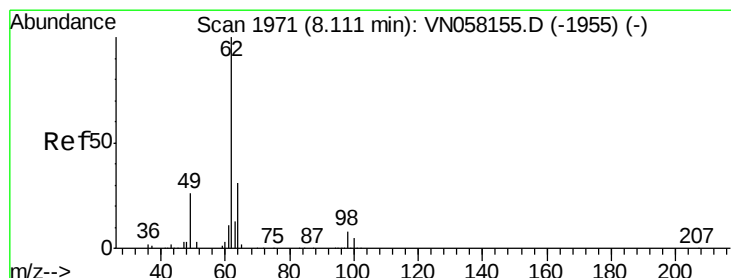
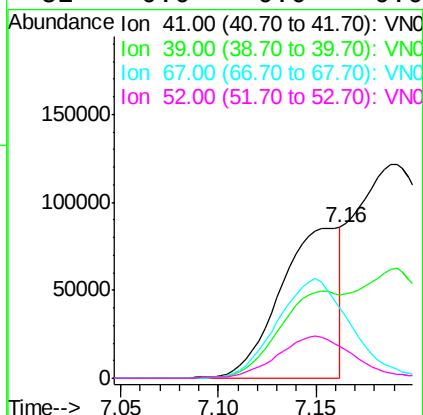
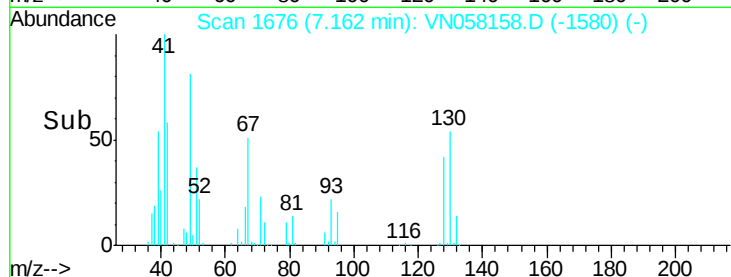
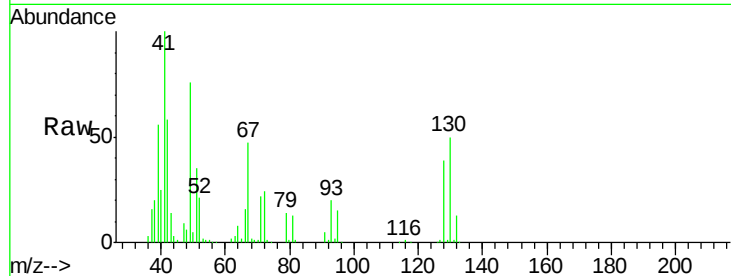
#41  
Methacrylonitrile  
Concen: 51.719 ug/l m  
RT: 7.16 min Scan# 1676  
Delta R.T. 0.01 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 182649 |       |       |
| 39      | 0.0   | 0.0    | 0.0   | 0.0   |
| 67      | 0.0   | 0.0    | 0.0   | 0.0   |
| 52      | 0.0   | 0.0    | 0.0   | 0.0   |

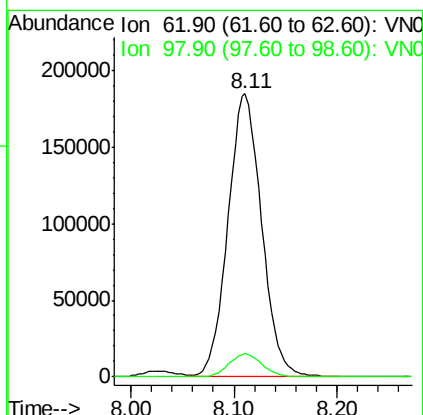
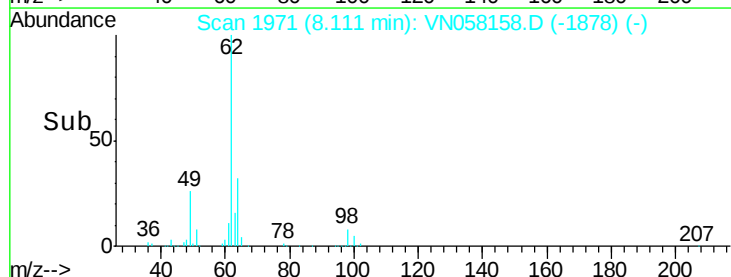
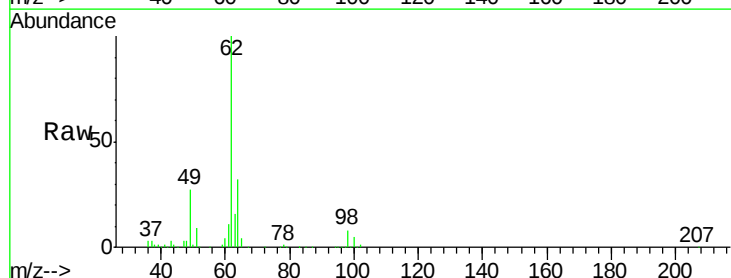
Manual Integrations  
APPROVED

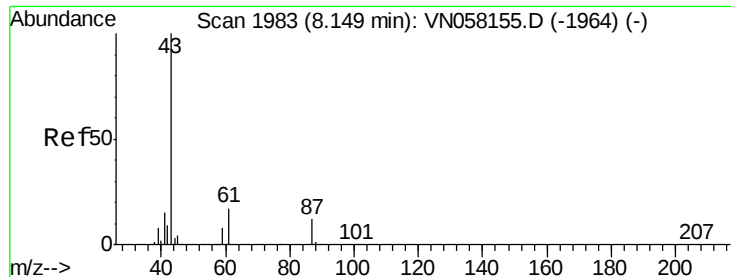
MMDadoda  
9/20/2019 1:43:24 PM



#42  
1,2-Dichloroethane  
Concen: 48.353 ug/l  
RT: 8.11 min Scan# 1971  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 62      | 100   | 418355 |       |       |
| 98      | 8.0   | 0.0    | 0.0   | 15.6  |





#43

Isopropyl Acetate

Concen: 49.590 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

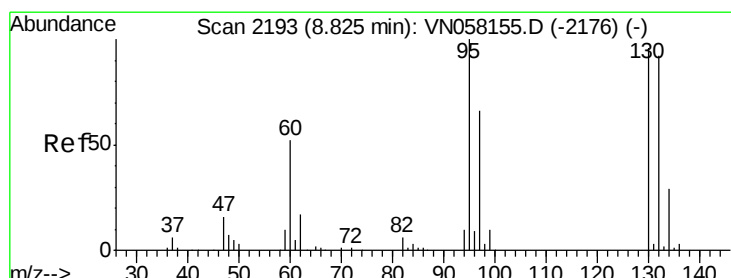
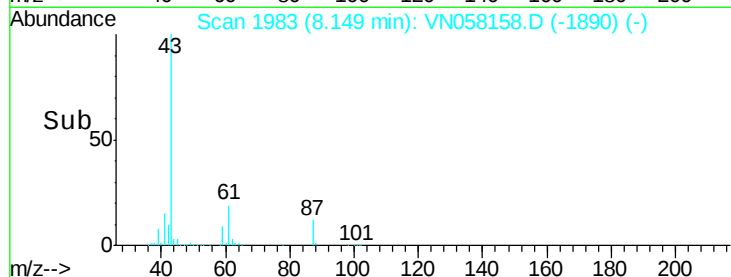
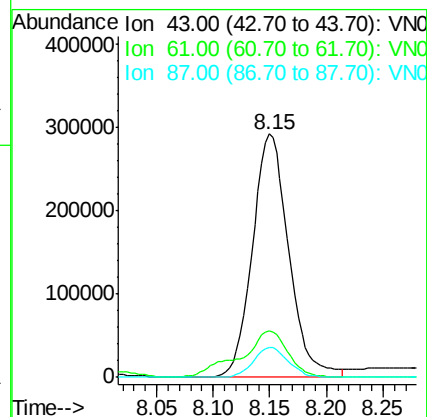
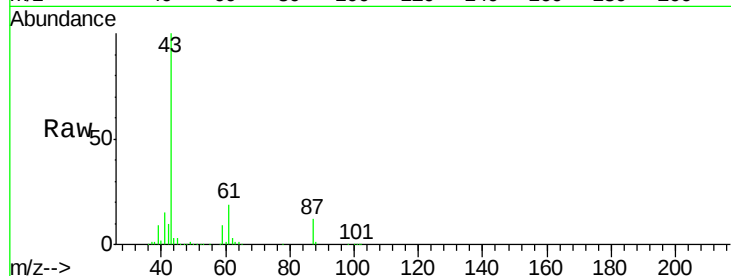
ClientSampleId :

ICVVN091819

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 648847 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 25.0  | 19.7  | 29.5   |
| 87       | 12.0  | 9.4   | 14.2   |

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9/20/2019 1:43:24 PM



#44

Trichloroethene

Concen: 48.068 ug/l

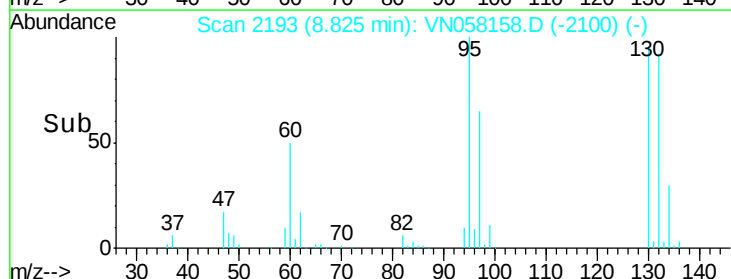
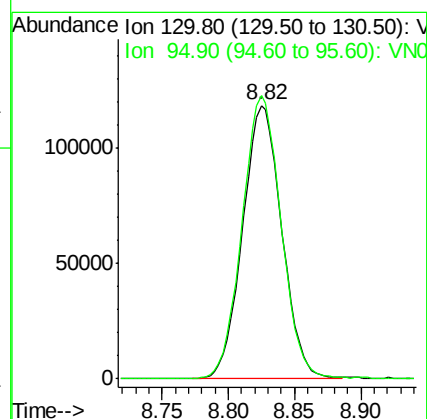
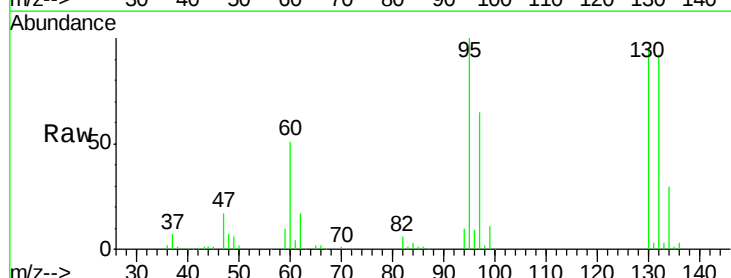
RT: 8.82 min Scan# 2193

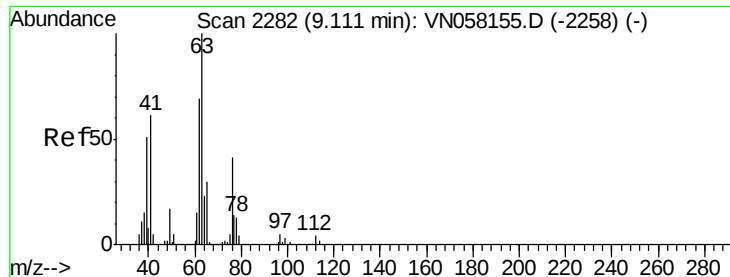
Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 242544 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 103.5 | 0.0   | 207.8  |





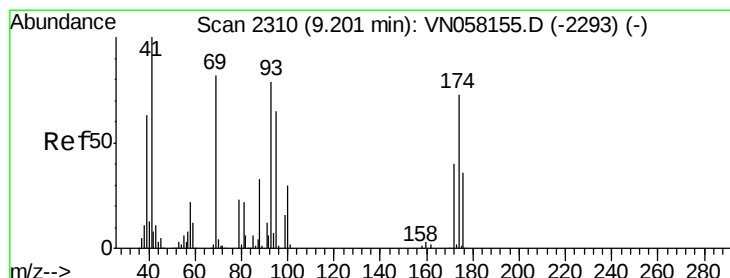
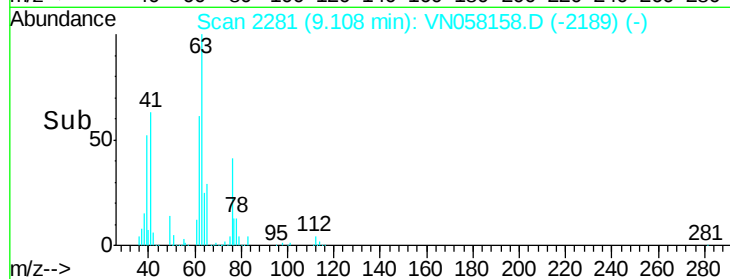
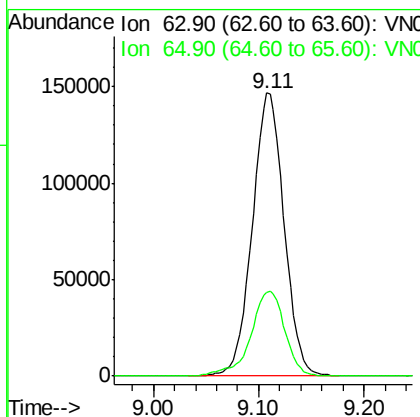
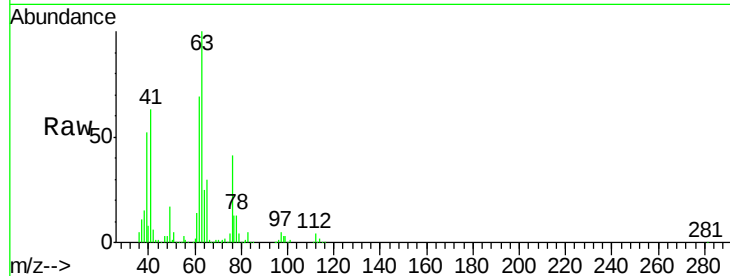
#45  
 1,2-Dichloropropane  
 Concen: 50.088 ug/l  
 RT: 9.11 min Scan# 2281  
 Delta R.T. -0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN091819

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 308426 |       |       |
| 65      | 29.8  |        | 23.8  | 35.6  |

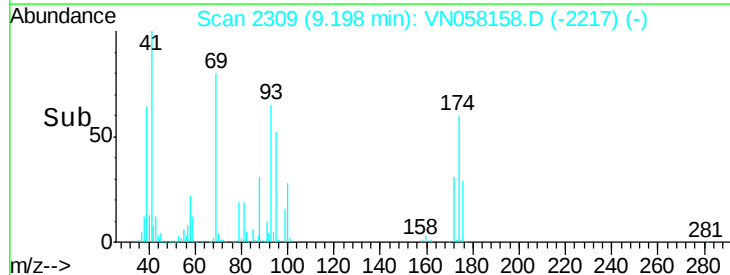
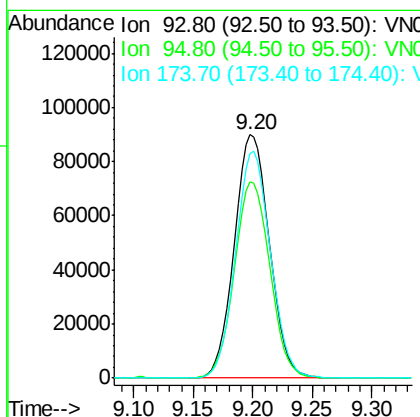
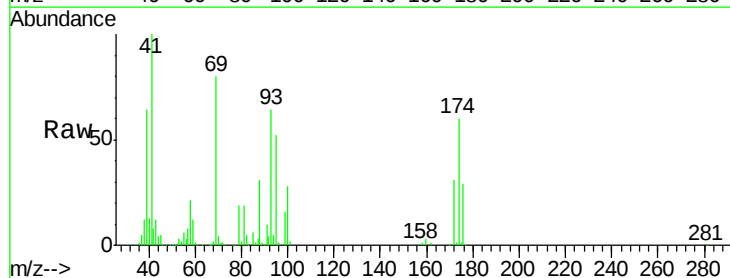
Manual Integrations  
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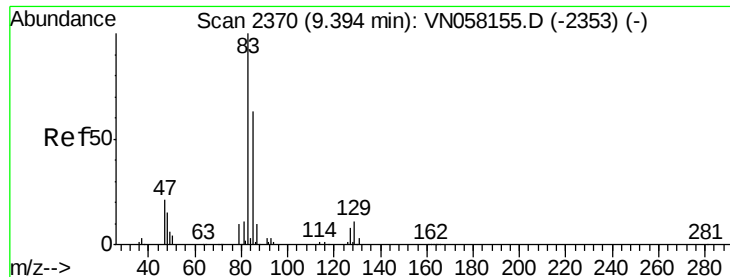
MMDadoda  
 9/20/2019 1:43:24 PM



#46  
 Dibromomethane  
 Concen: 49.243 ug/l  
 RT: 9.20 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 184356 |       |       |
| 95      | 81.7  |        | 66.8  | 100.2 |
| 174     | 92.6  |        | 73.8  | 110.8 |





#47

Bromodichloromethane

Concen: 51.831 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

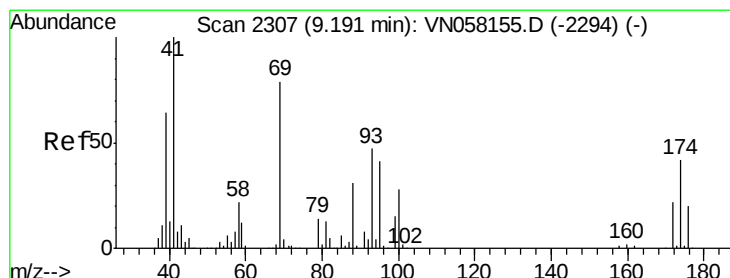
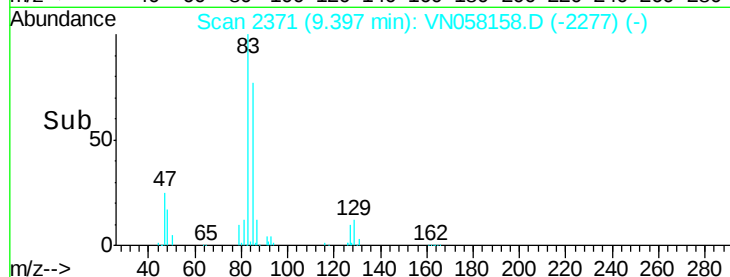
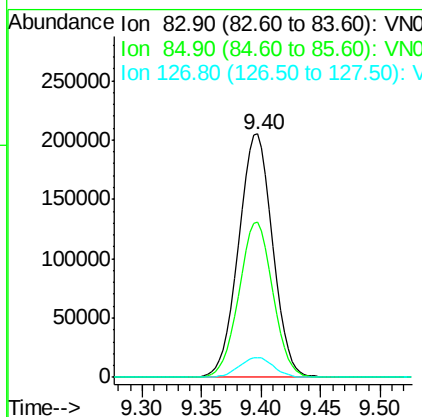
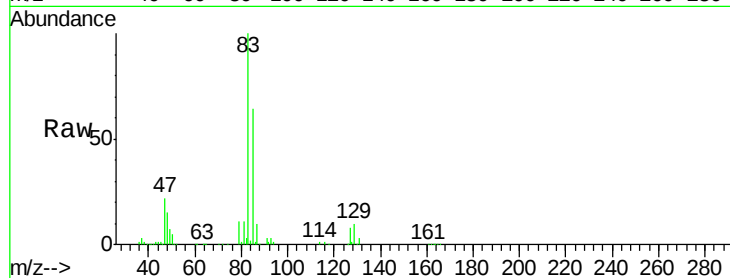
ClientSampleId :

ICVVN091819

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 406515 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.8  | 50.1  | 75.1   |
| 127       | 8.3   | 6.4   | 9.6    |

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9/20/2019 1:43:24 PM



#48

Methyl methacrylate

Concen: 52.765 ug/l

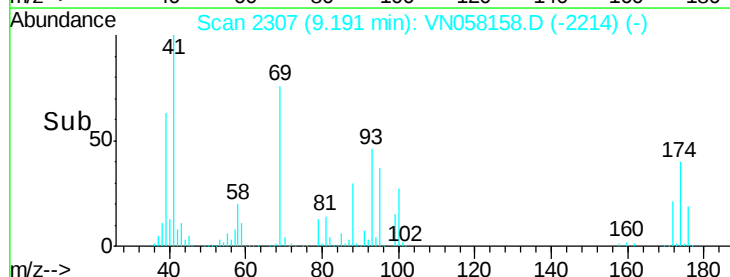
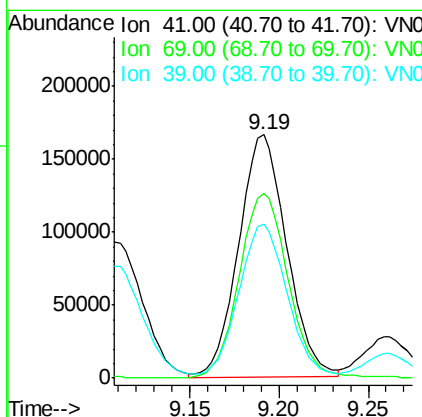
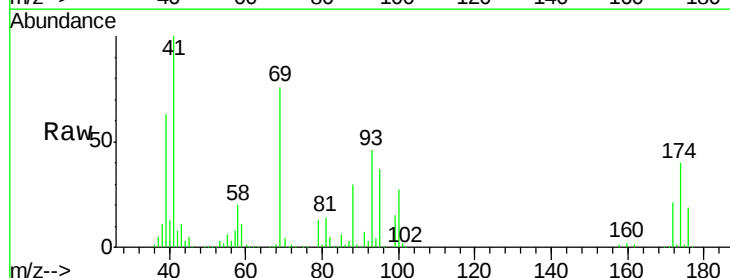
RT: 9.19 min Scan# 2307

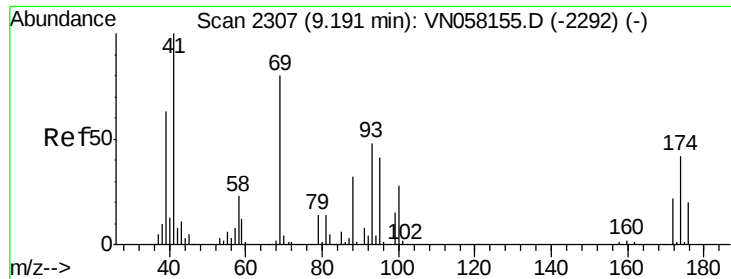
Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 313466 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 77.3  | 62.5  | 93.7   |
| 39        | 64.0  | 52.3  | 78.5   |





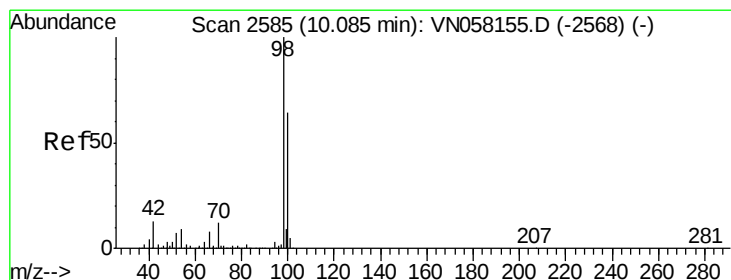
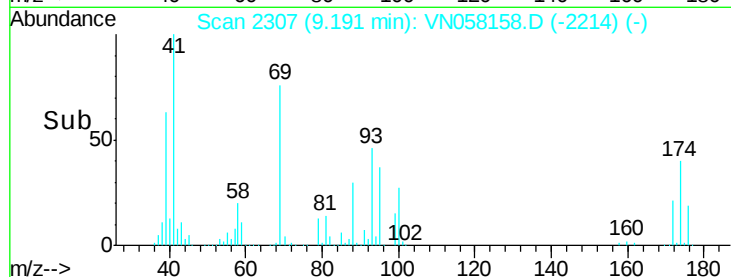
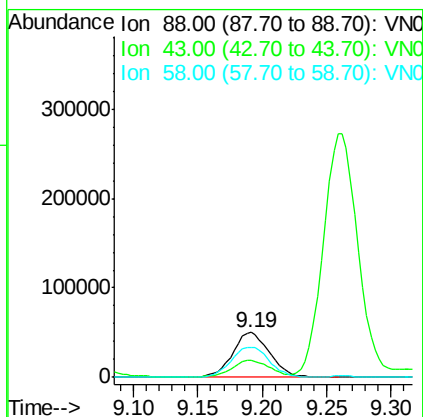
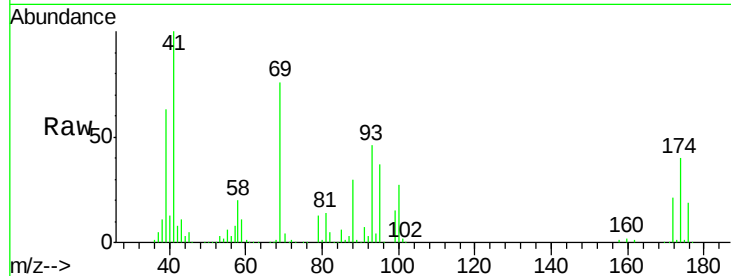
#49  
1,4-Dioxane  
Concen: 1029.890 ug/l  
RT: 9.19 min Scan# 2307  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 35.9  | 27.8  | 41.8  |
| 58      | 69.4  | 55.0  | 82.4  |

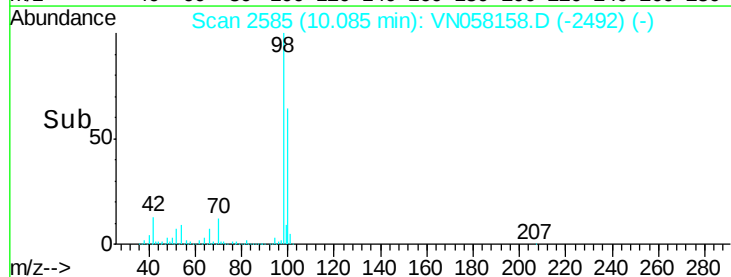
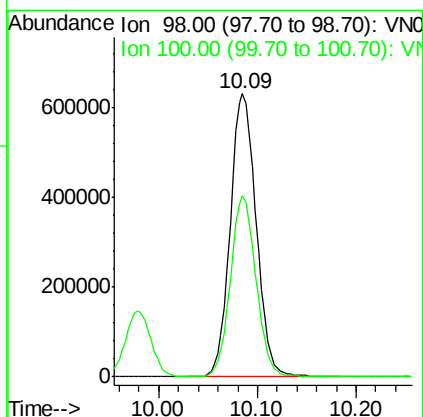
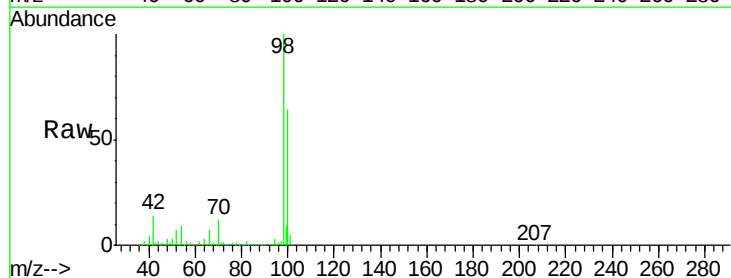
Manual Integrations  
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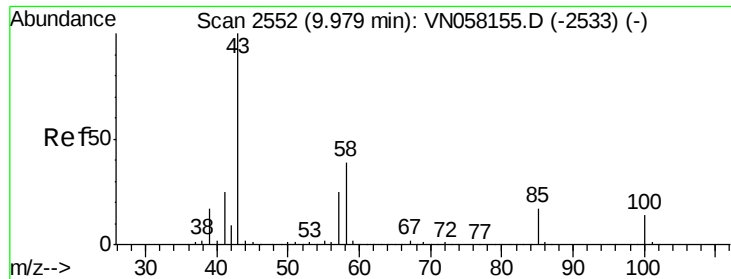
MMDadoda  
9/20/2019 1:43:24 PM



#50  
Toluene-d8  
Concen: 52.290 ug/l  
RT: 10.09 min Scan# 2585  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.3  | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 284.098 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion: 43 Resp: 1974416

Ion Ratio Lower Upper

43 100

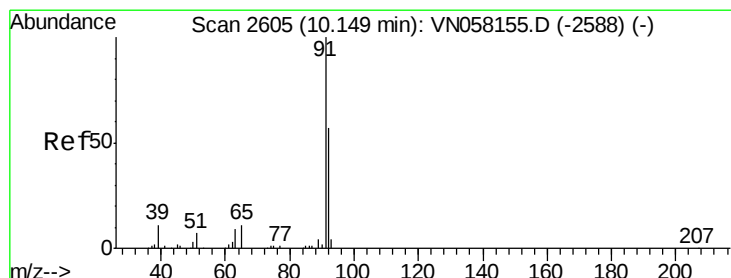
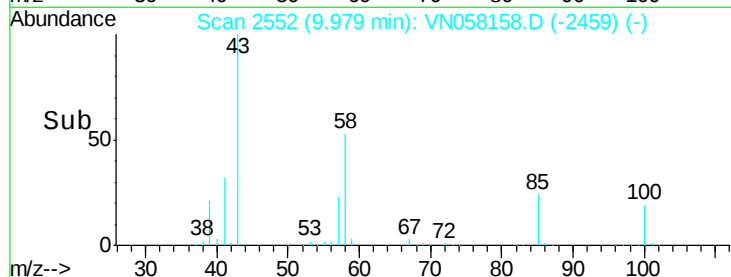
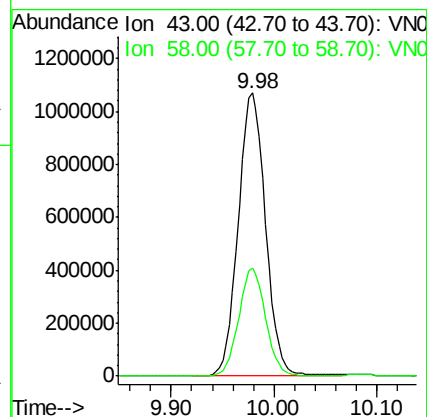
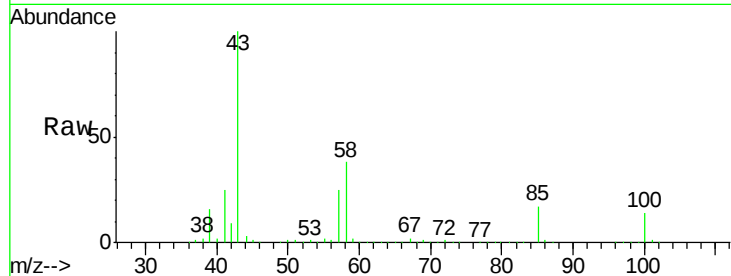
58 37.6 30.2 45.4

Manual Integrations

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#52

Toluene

Concen: 49.108 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058158.D

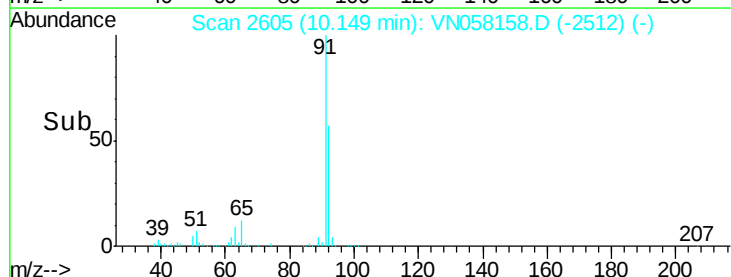
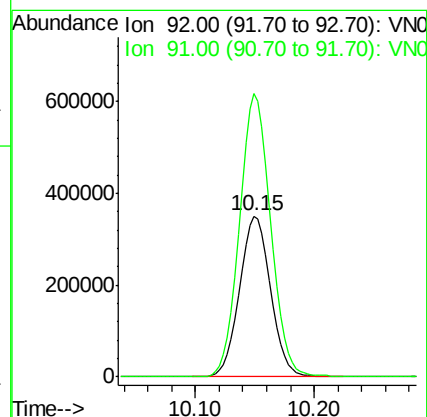
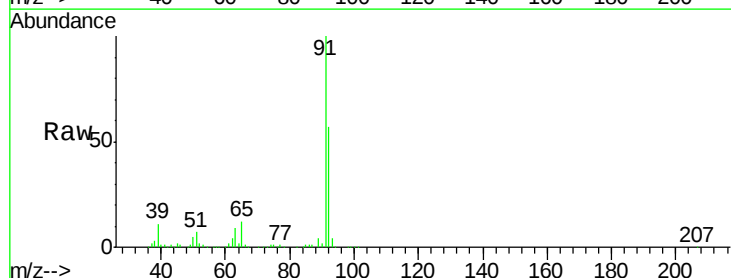
Acq: 18 Sep 2019 13:10

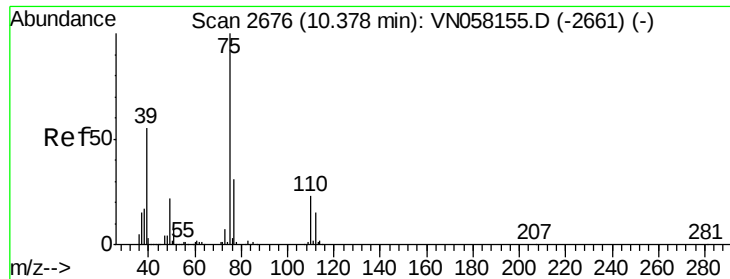
Tgt Ion: 92 Resp: 634586

Ion Ratio Lower Upper

92 100

91 176.4 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 53.534 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion: 75 Resp: 430103

Ion Ratio Lower Upper

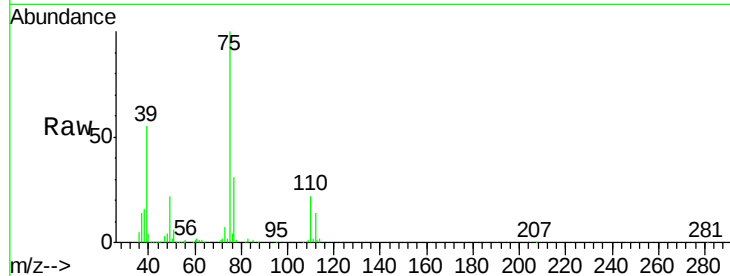
75 100

77 30.9 24.9 37.3

Manual Integrations  
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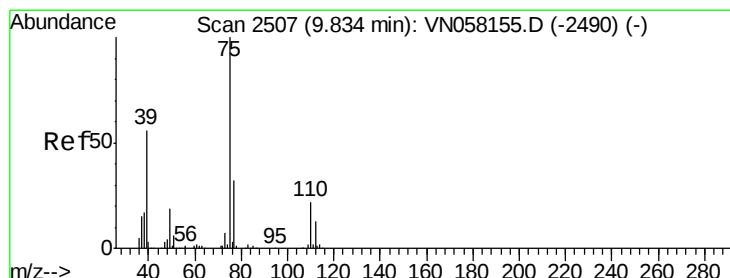
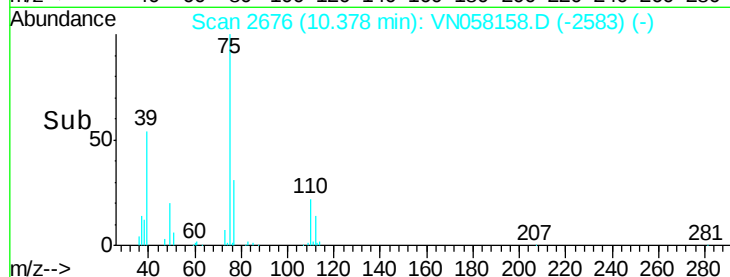
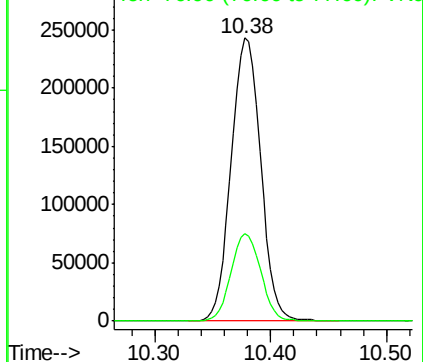
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 51.612 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

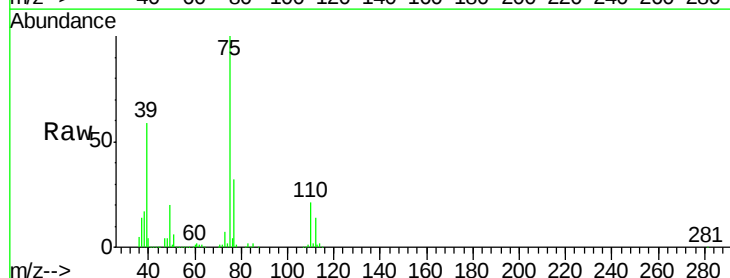
Tgt Ion: 75 Resp: 457809

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

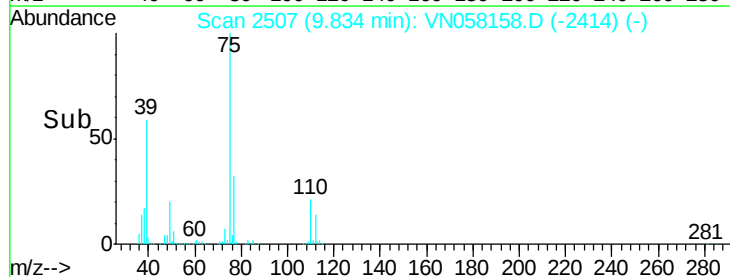
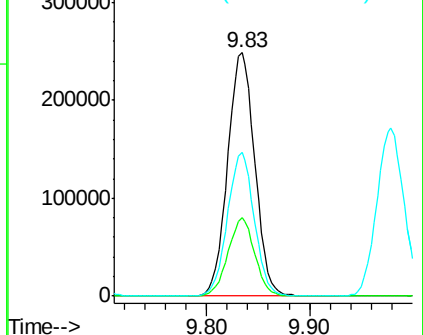
39 59.1 45.0 67.6

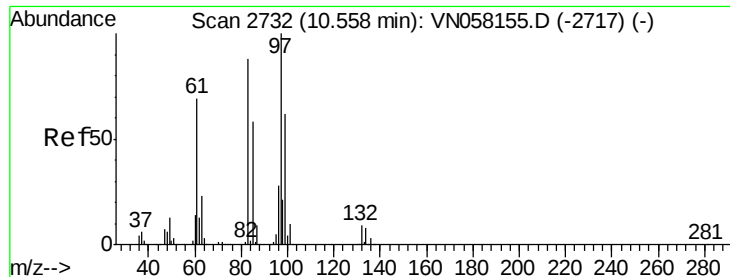


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO





#55

1,1,2-Trichloroethane

Concen: 51.287 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

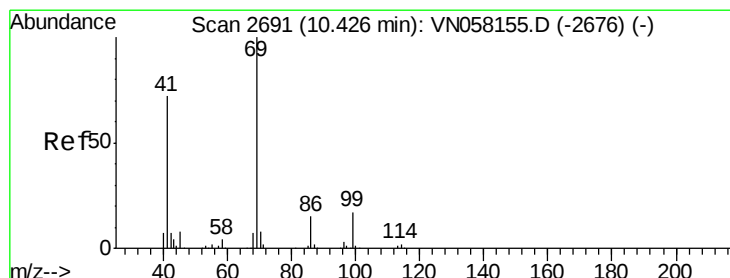
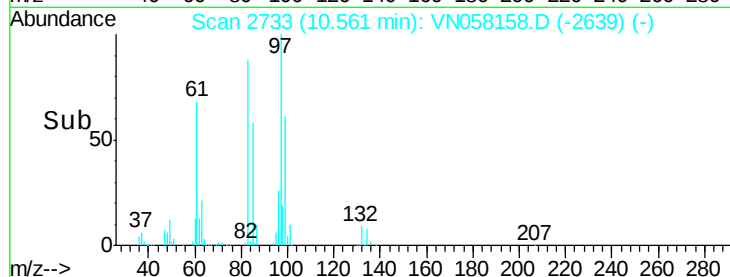
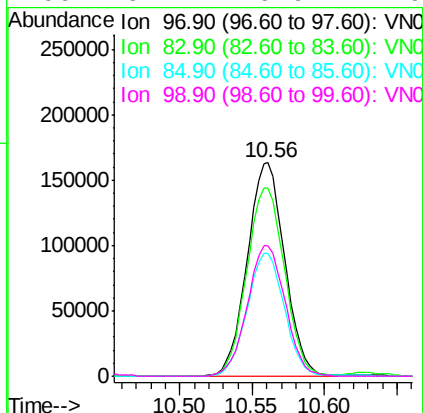
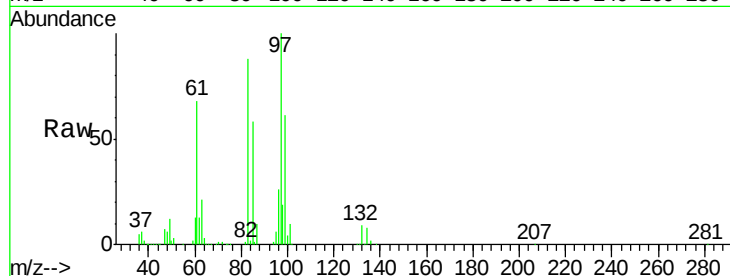
ClientSampleId :

ICVVN091819

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 294112 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 87.9  | 70.4  | 105.6  |
| 85       | 57.5  | 46.8  | 70.2   |
| 99       | 61.2  | 49.9  | 74.9   |

Manual Integrations  
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#56

Ethyl methacrylate

Concen: 53.807 ug/l

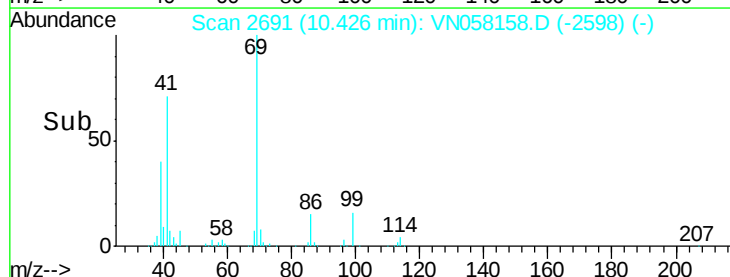
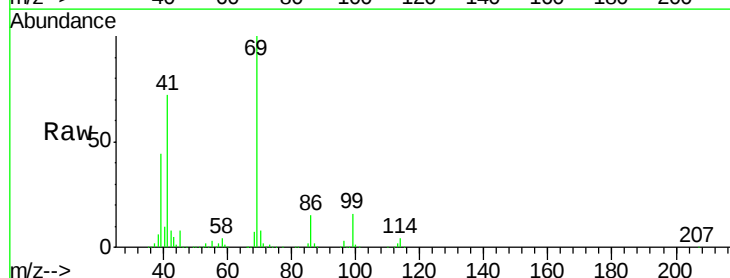
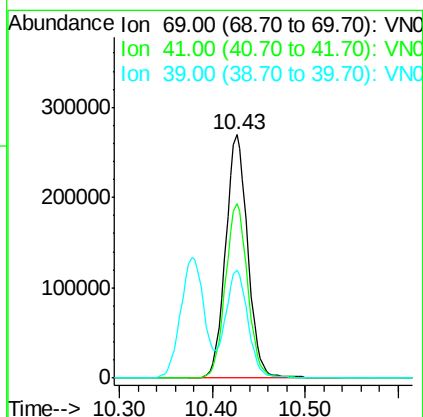
RT: 10.43 min Scan# 2691

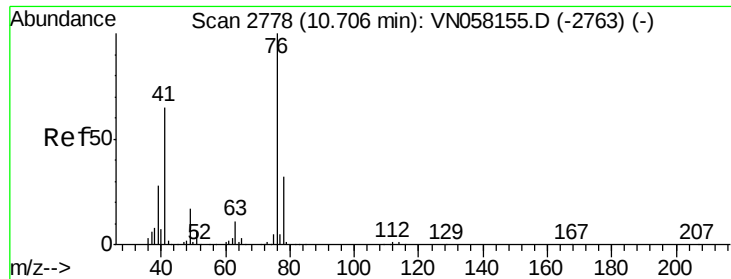
Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 445205 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.2  | 57.5  | 86.3   |
| 39       | 44.7  | 36.1  | 54.1   |





#57

1,3-Dichloropropane

Concen: 50.090 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion: 76 Resp: 493814

Ion Ratio Lower Upper

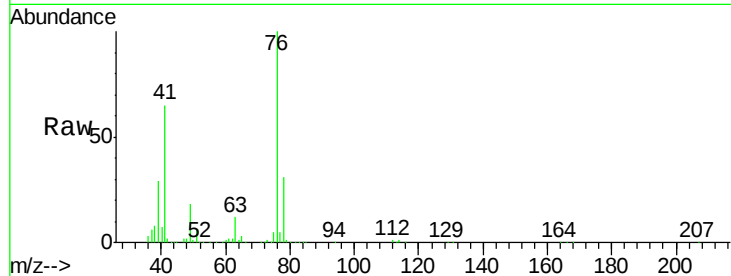
76 100

78 31.9 25.4 38.0

Manual Integrations  
APPROVED

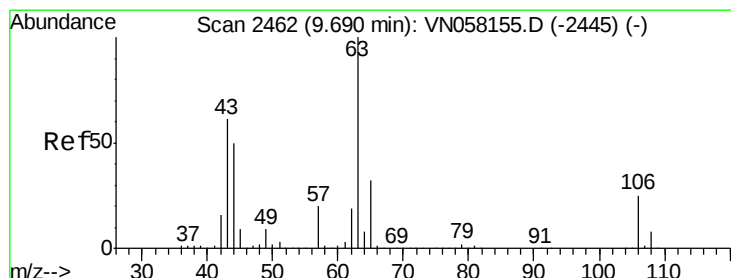
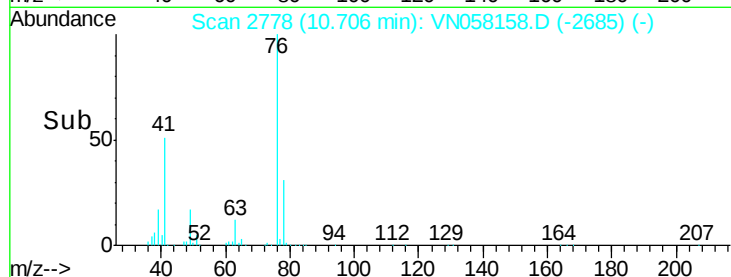
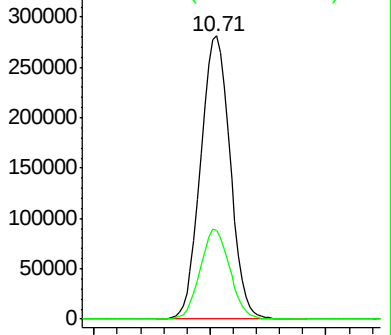
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 270.228 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058158.D

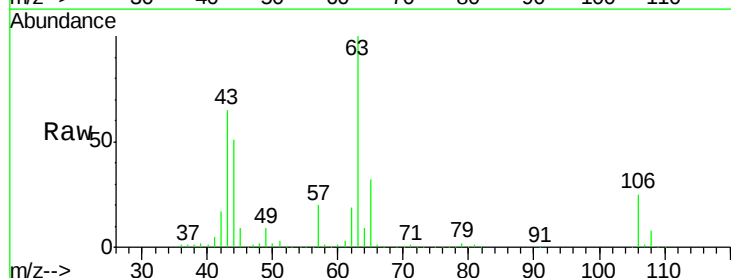
Acq: 18 Sep 2019 13:10

Tgt Ion: 63 Resp: 1065014

Ion Ratio Lower Upper

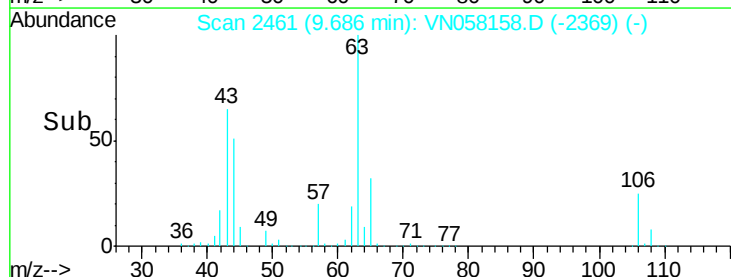
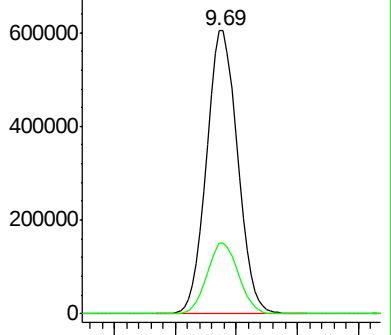
63 100

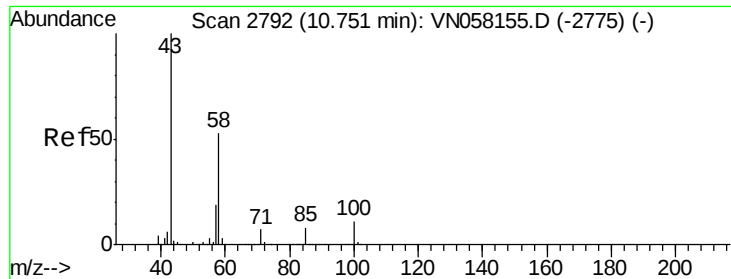
106 25.3 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





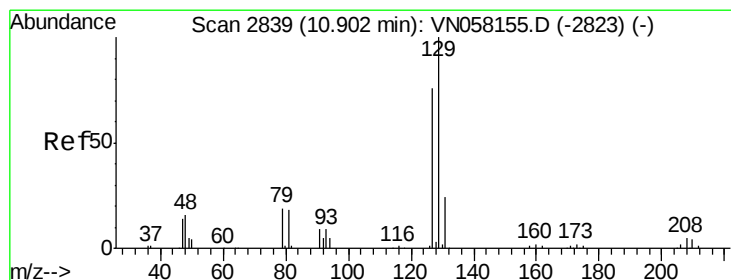
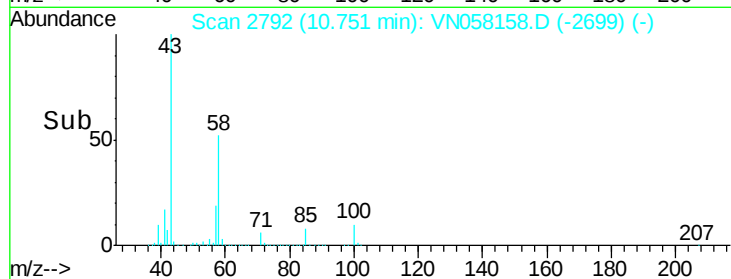
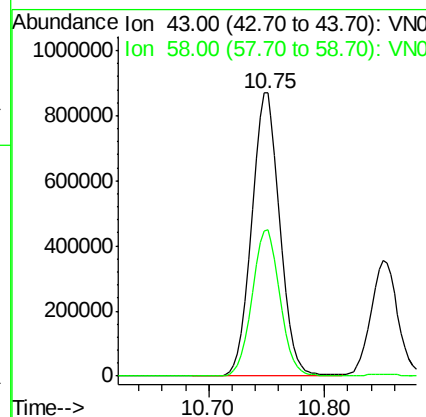
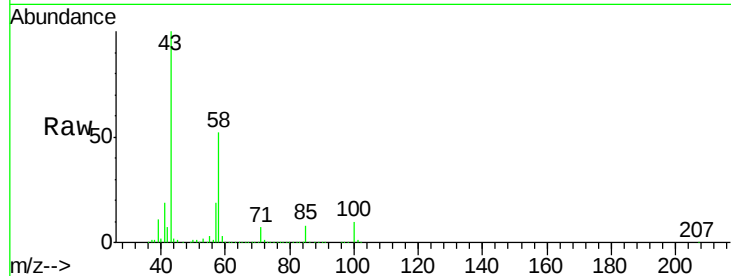
#59  
2-Hexanone  
Concen: 285.124 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

Tot Ion: 43 Resp: 1471676  
Ion Ratio Lower Upper  
43 100  
58 51.5 26.0 78.0

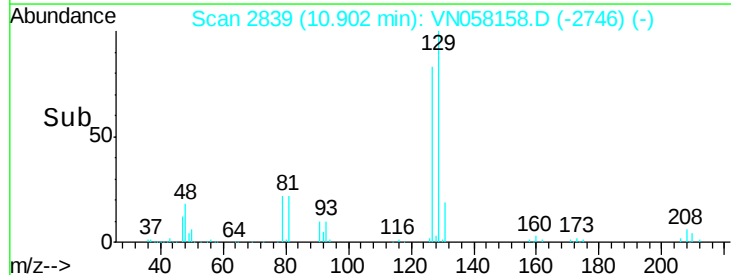
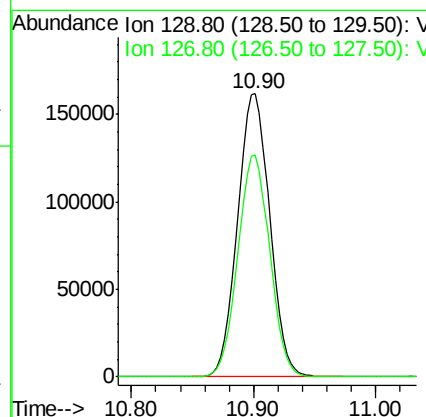
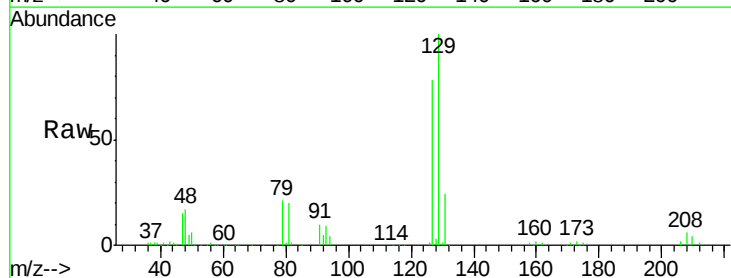
Manual Integrations  
APPROVED

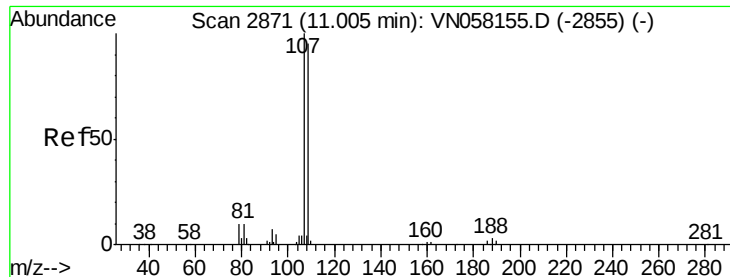
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 53.659 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Tgt Ion: 129 Resp: 296038  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.7 116.1





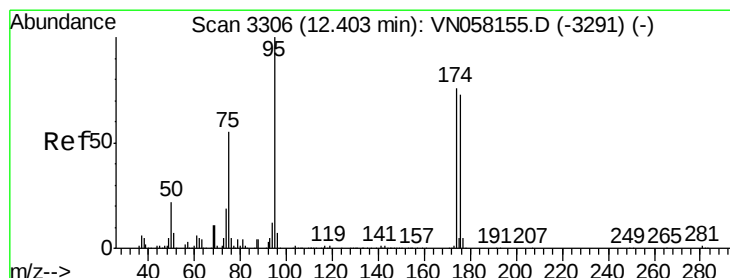
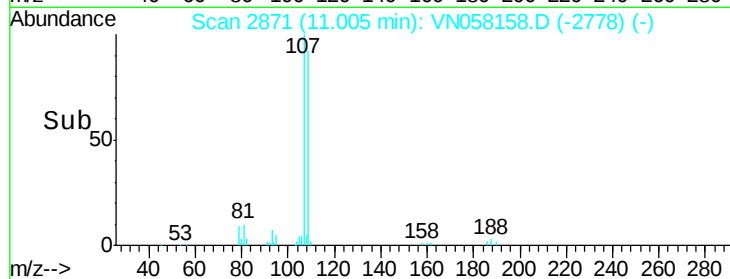
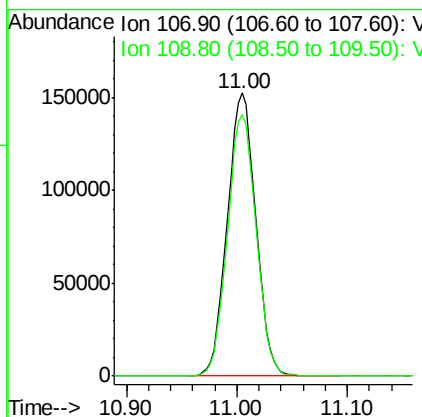
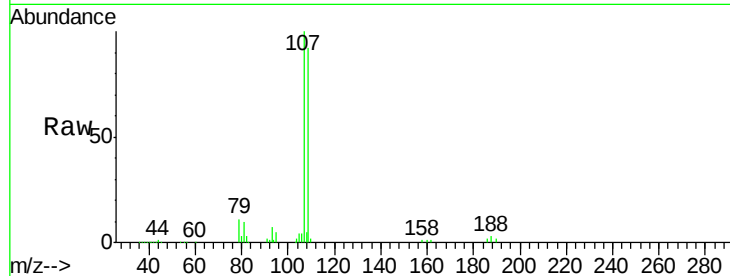
#61  
 1,2-Dibromoethane  
 Concen: 51.436 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN091819

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 273357 |       |       |
| 109     | 93.3  | 75.4   | 113.2 |       |

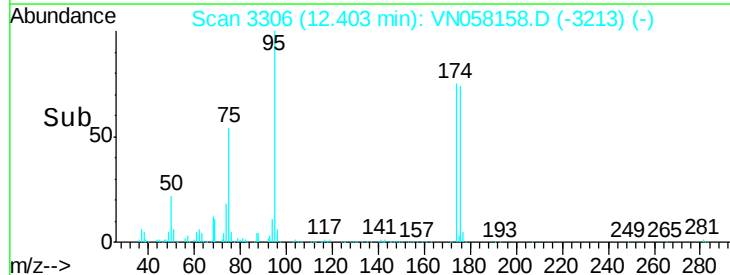
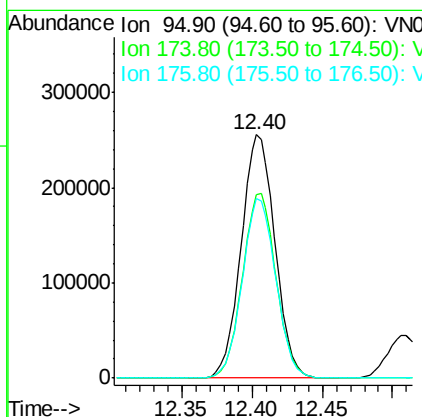
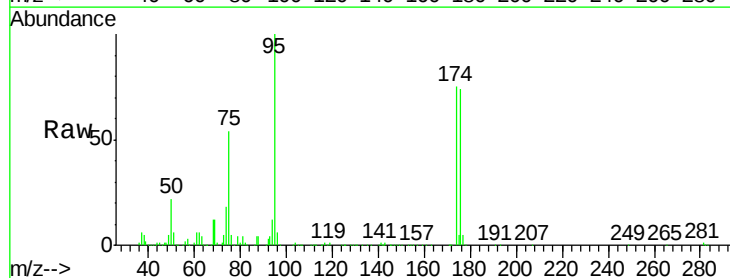
Manual Integrations  
 APPROVED

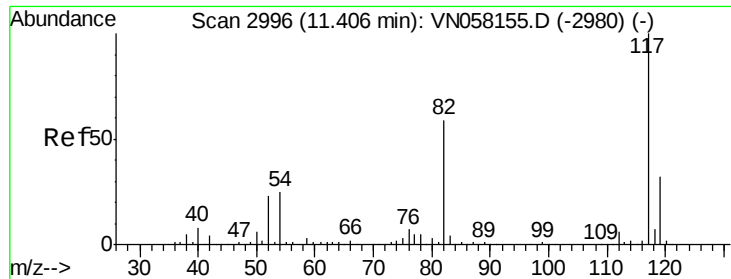
MMDadoda  
 9/20/2019 1:43:24 PM



#62  
 4-Bromofluorobenzene  
 Concen: 52.064 ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 428813 |       |       |
| 174     | 75.7  | 0.0    | 152.2 |       |
| 176     | 73.4  | 0.0    | 148.0 |       |





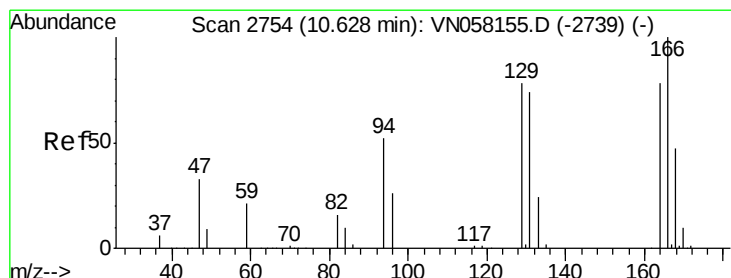
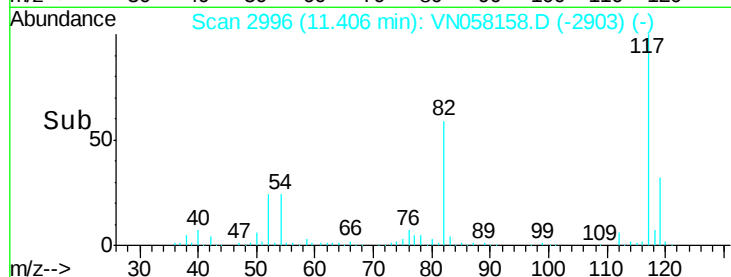
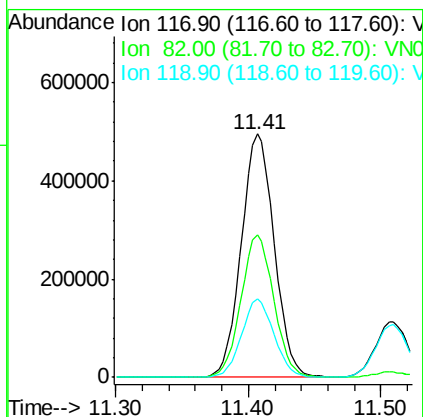
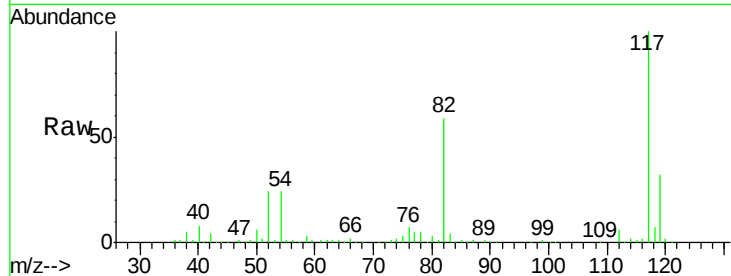
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.6  | 46.9  | 70.3  |
| 119     | 32.0  | 25.3  | 37.9  |

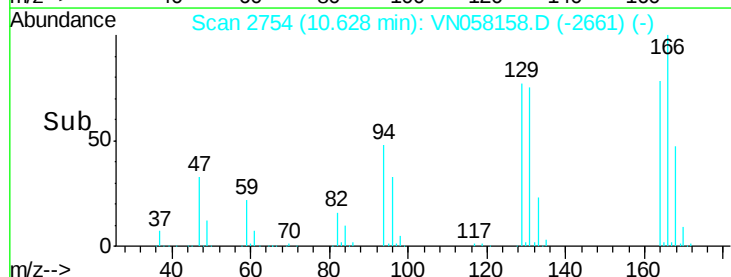
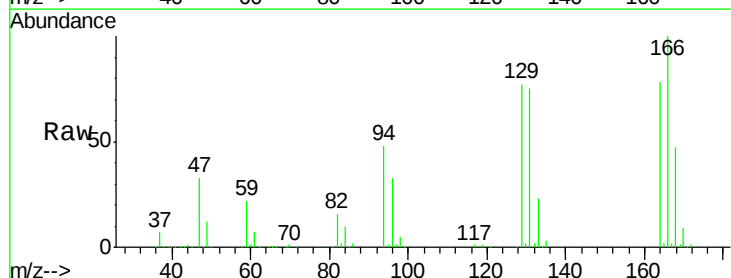
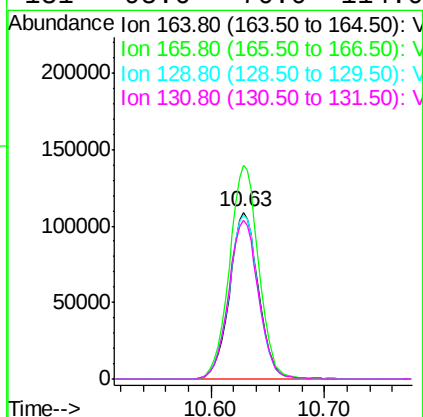
Manual Integrations  
APPROVED

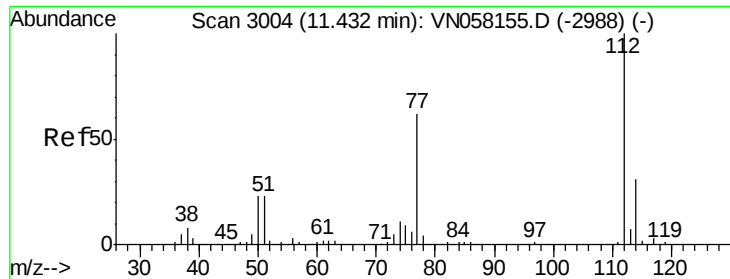
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 46.287 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.3 | 102.2 | 153.4 |
| 129     | 98.7  | 79.6  | 119.4 |
| 131     | 95.6  | 76.0  | 114.0 |





#65

Chlorobenzene

Concen: 49.532 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampled :

ICVVN091819

Tot Ion:112 Resp: 744571

Ion Ratio Lower Upper

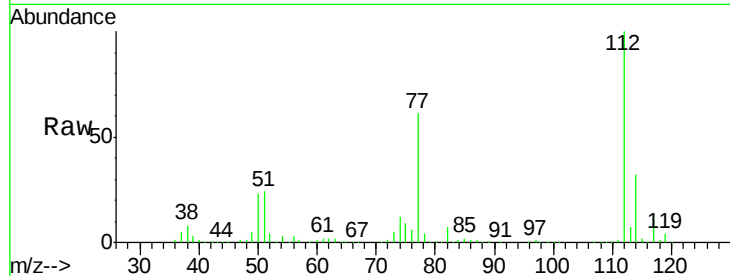
112 100

114 31.5 25.1 37.7

Manual Integrations  
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

300000

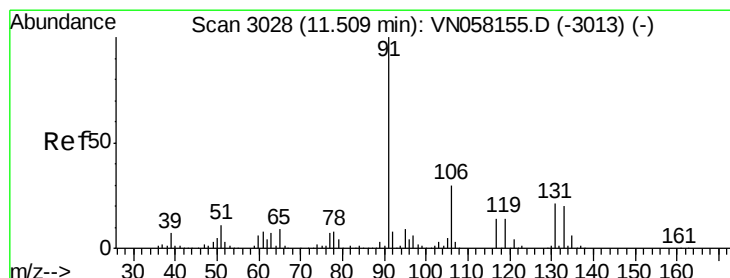
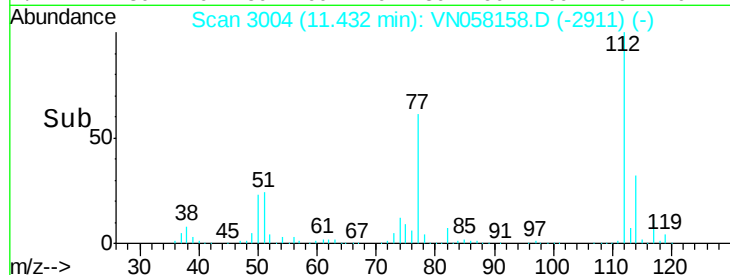
200000

100000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 52.298 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

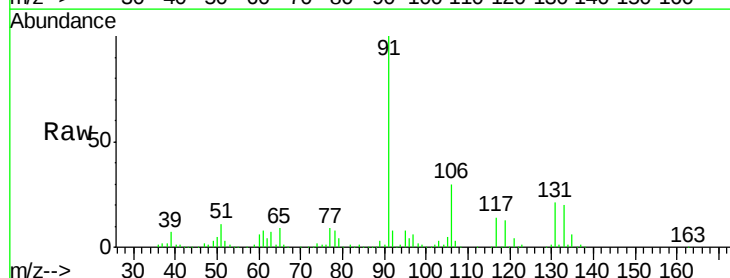
Tgt Ion:131 Resp: 285057

Ion Ratio Lower Upper

131 100

133 95.2 47.8 143.3

119 65.0 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

200000

150000

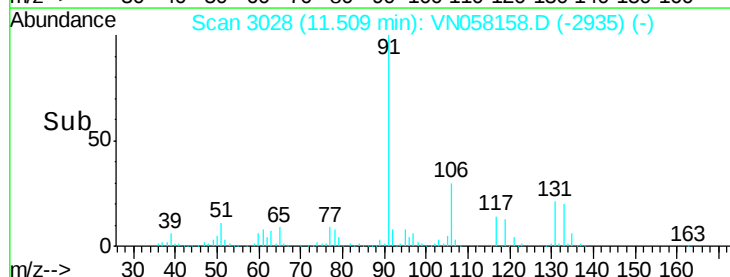
100000

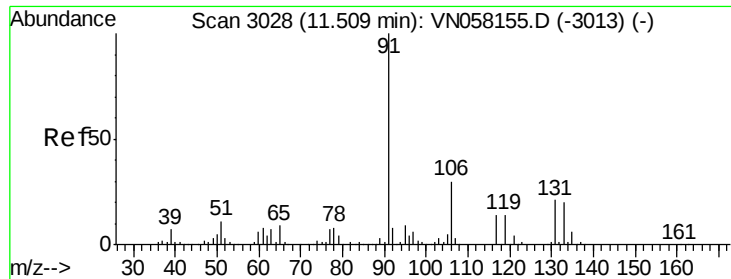
50000

0

Time-->

11.45 11.50 11.55 11.60





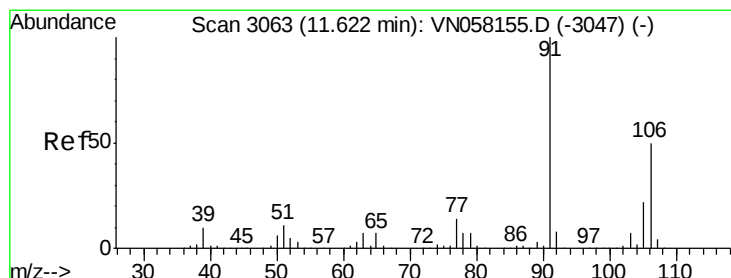
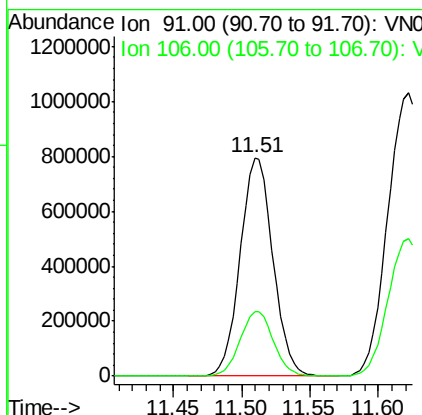
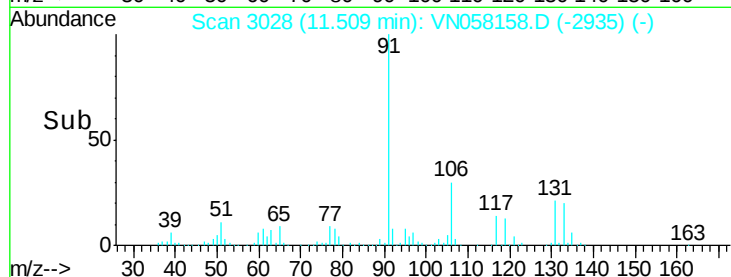
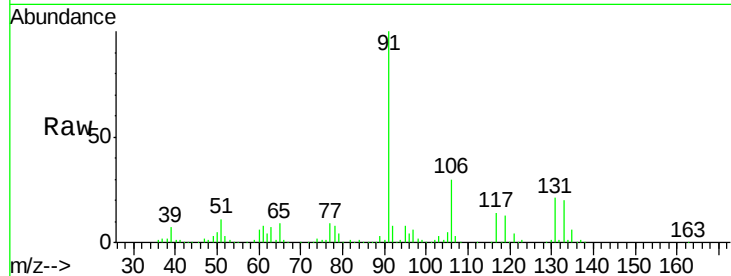
#67  
Ethyl Benzene  
Concen: 51.455 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN091819

Tot Ion: 91 Resp: 1325333  
Ion Ratio Lower Upper  
91 100  
106 29.8 24.0 36.0

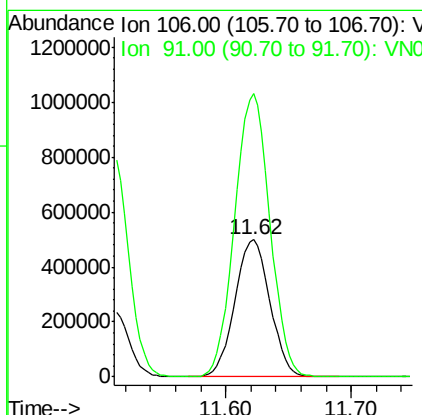
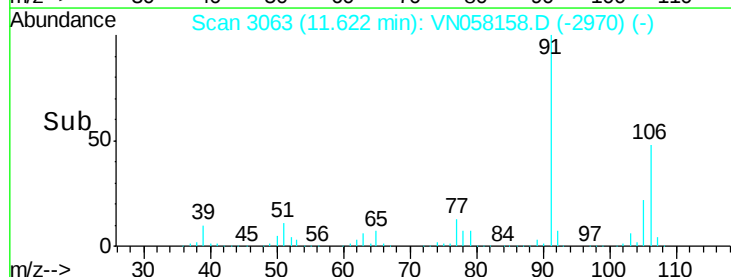
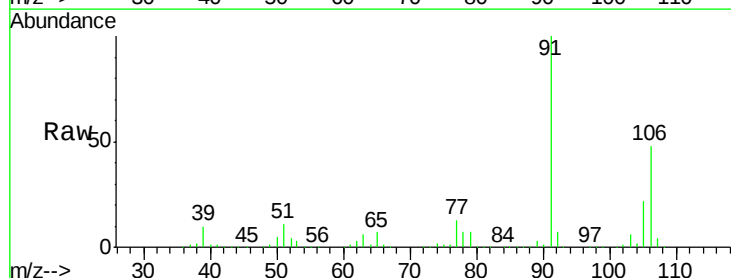
Manual Integrations  
APPROVED

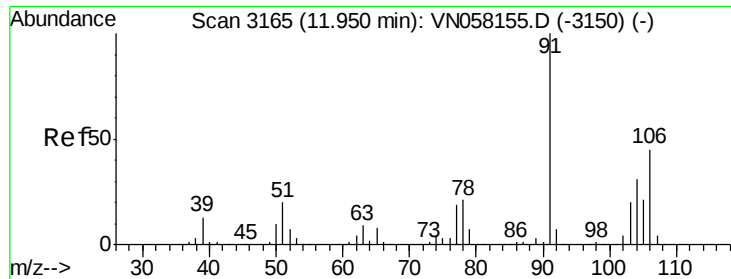
MMDadoda  
9/20/2019 1:43:24 PM



#68  
m/p-Xylenes  
Concen: 99.749 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Tgt Ion: 106 Resp: 967662  
Ion Ratio Lower Upper  
106 100  
91 207.9 163.6 245.4





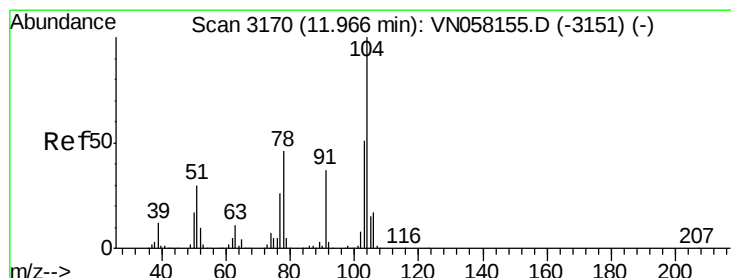
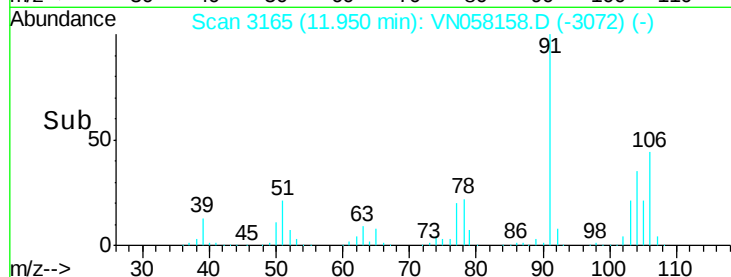
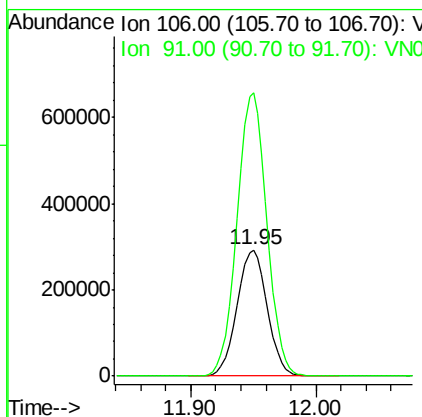
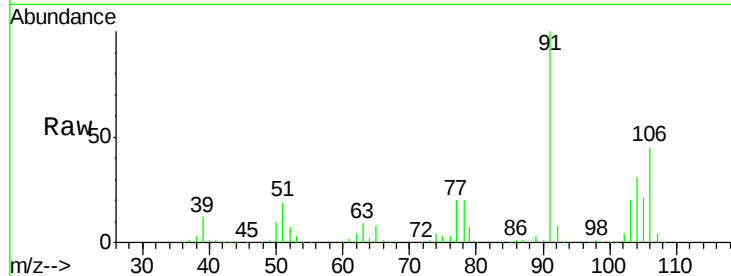
#69  
o-Xylene  
Concen: 51.220 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 221.9 | 111.8 | 335.3 |

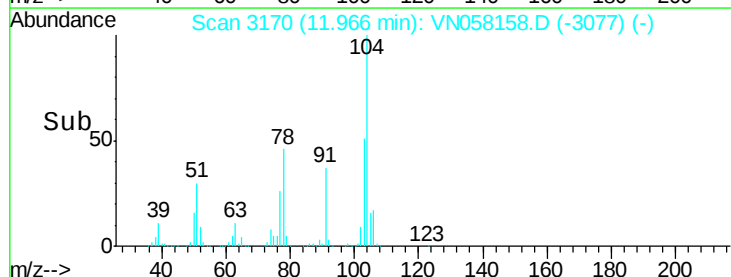
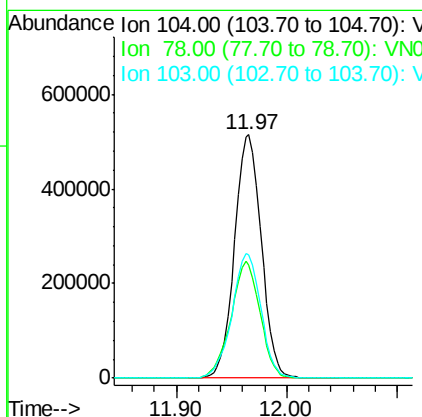
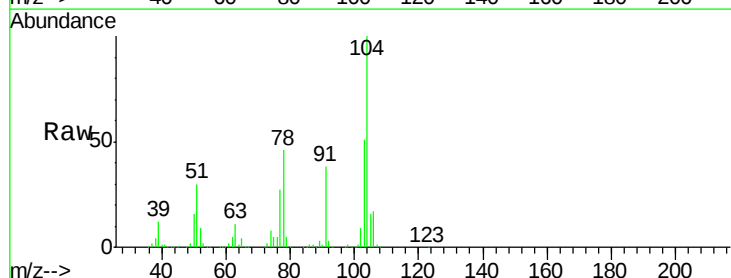
Manual Integrations  
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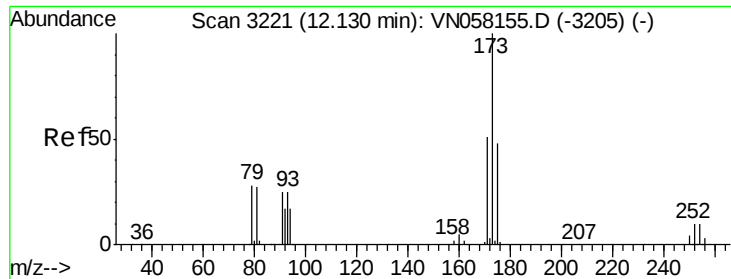
MMDadoda  
9/20/2019 1:43:24 PM



#70  
Styrene  
Concen: 52.904 ug/l  
RT: 11.97 min Scan# 3170  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 52.0  | 41.8  | 62.8  |
| 103     | 54.9  | 44.2  | 66.2  |





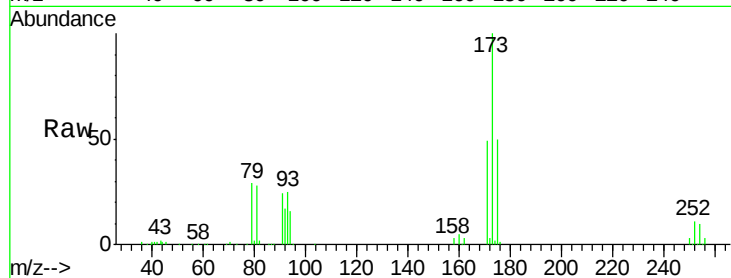
#71  
Bromoform  
Concen: 48.109 ug/l  
RT: 12.13 min Scan# 3221  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN091819

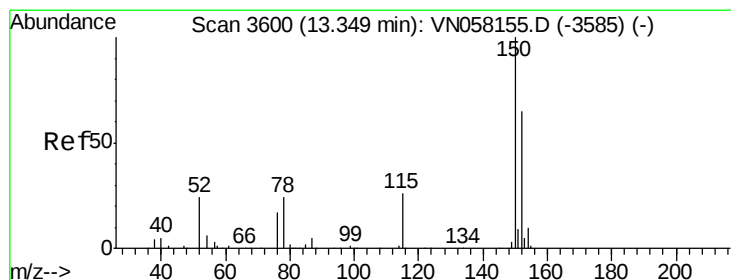
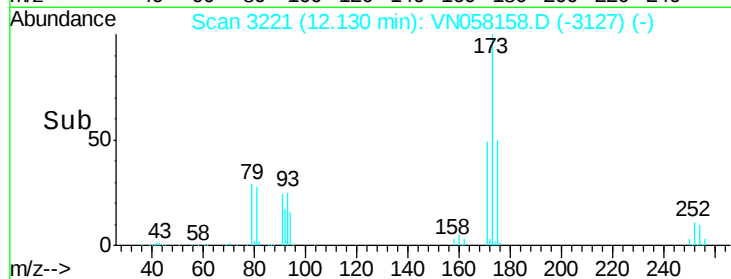
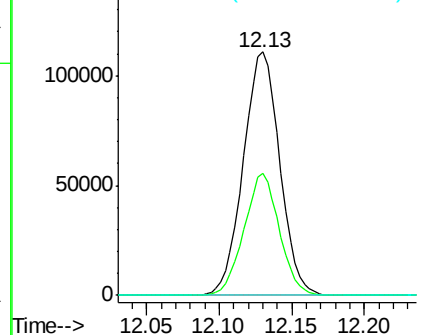
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 24.2  | 72.6  |
| 254     | 0.1   | 0.1   | 0.1   |

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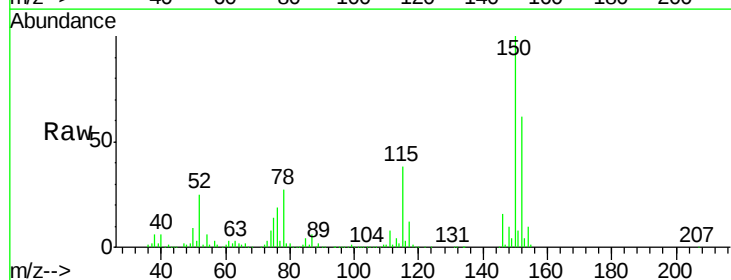


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

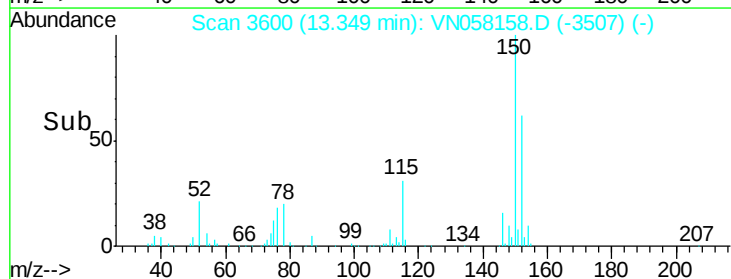
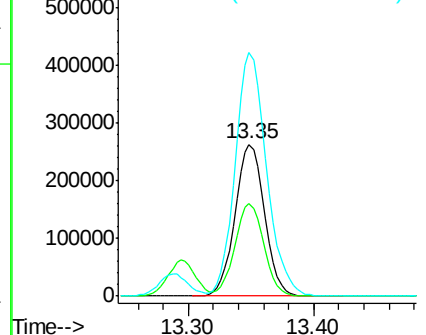


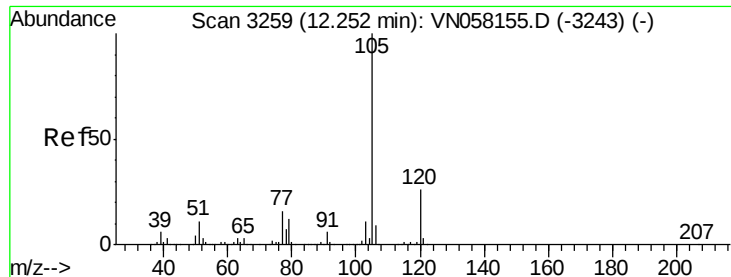
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.9  | 30.1  | 90.3  |
| 150     | 171.4 | 0.0   | 346.4 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.811 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion:105 Resp: 1382314

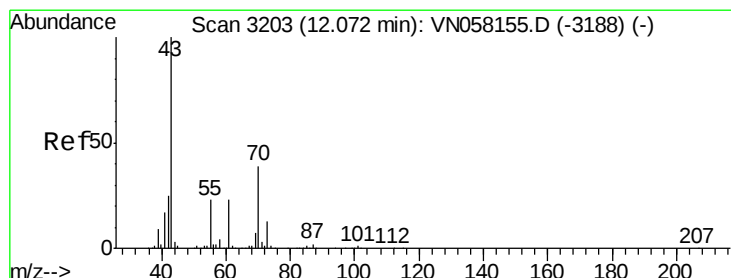
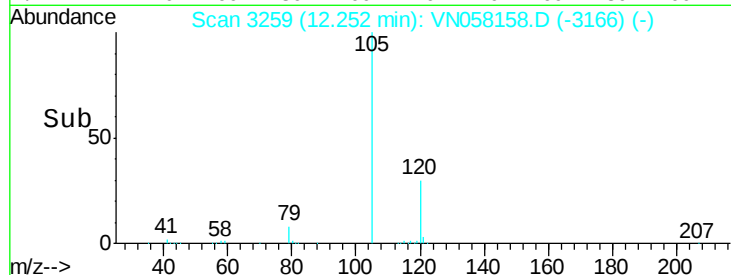
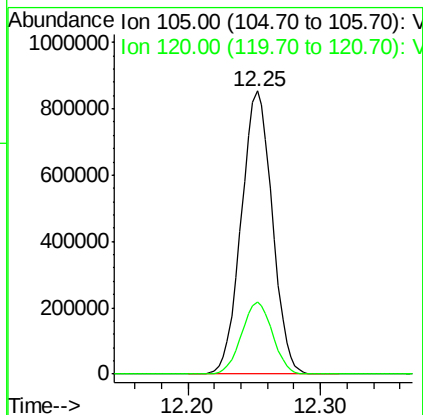
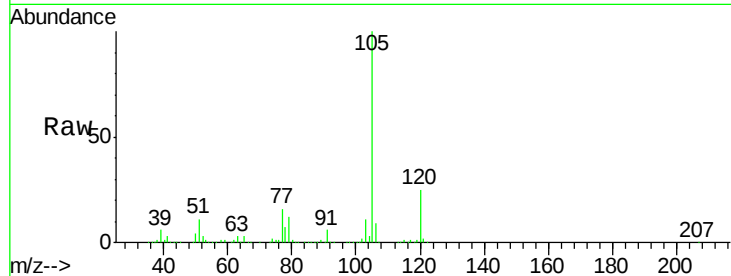
Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.3

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#74

N-ethyl acetate

Concen: 54.204 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Tgt Ion: 43 Resp: 604993

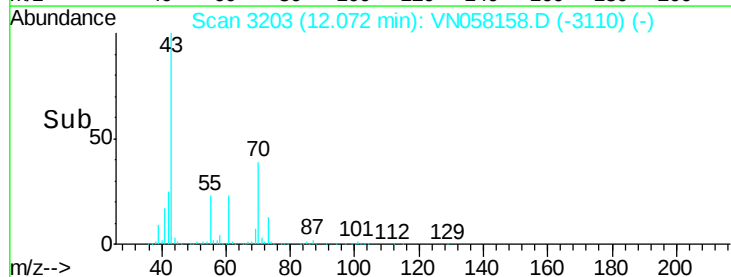
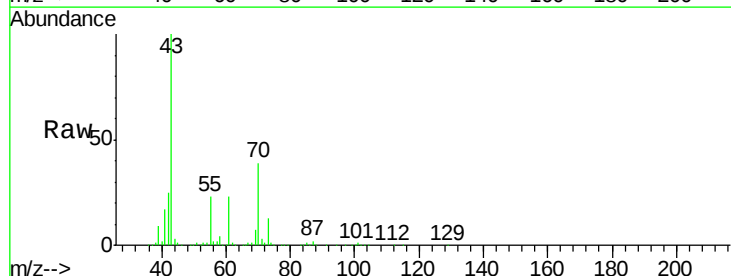
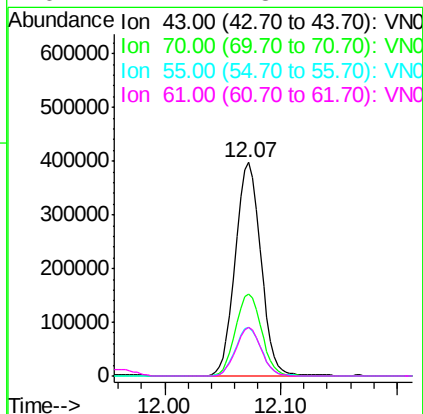
Ion Ratio Lower Upper

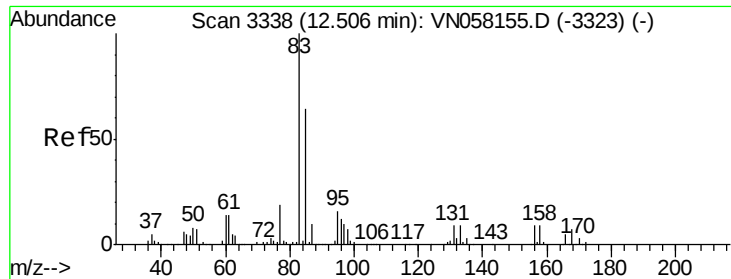
43 100

70 39.3 31.0 46.6

55 23.2 18.5 27.7

61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.250 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

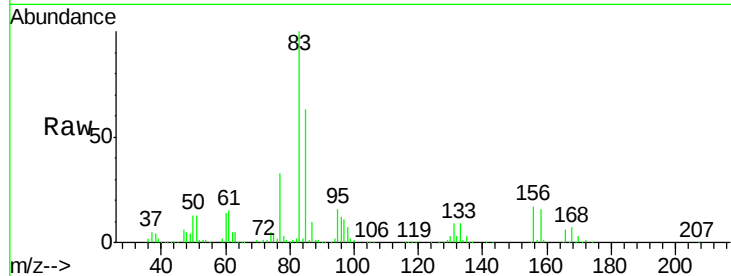
ClientSampleId :

ICVVN091819

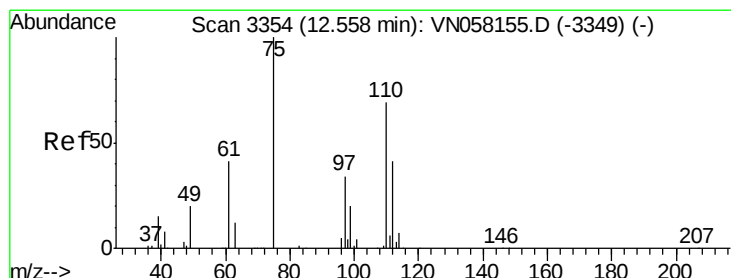
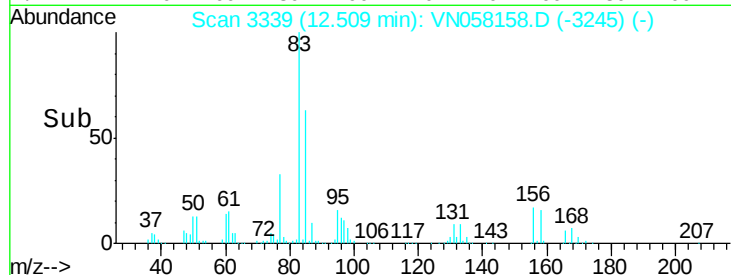
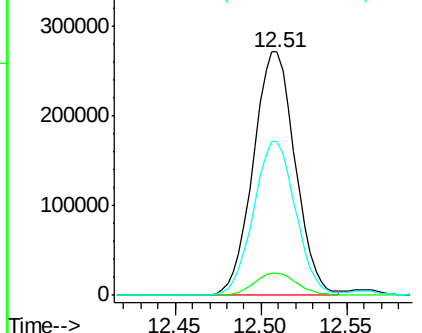
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 457895 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.5   | 4.8   | 14.3   |
| 85        | 63.6  | 31.9  | 95.5   |

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Abundance Ion 82.90 (82.60 to 83.60): VN058158.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 50.244 ug/l m

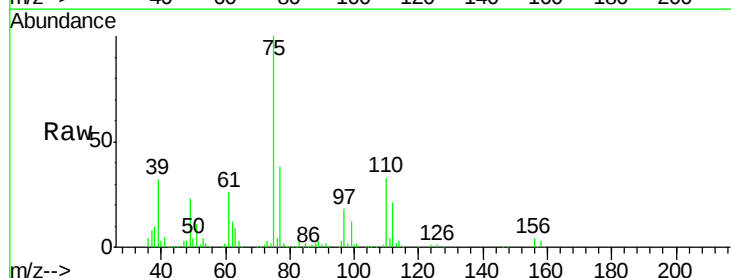
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

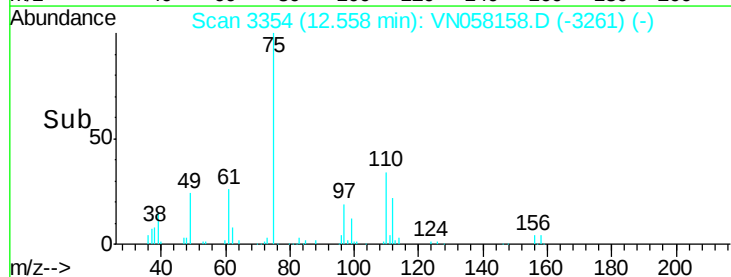
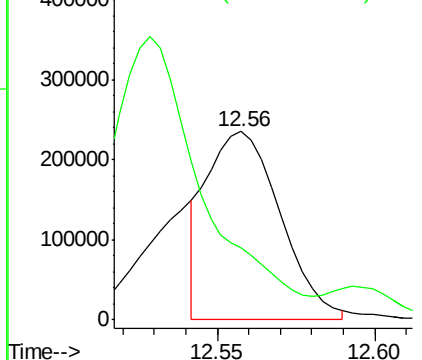
Lab File: VN058158.D

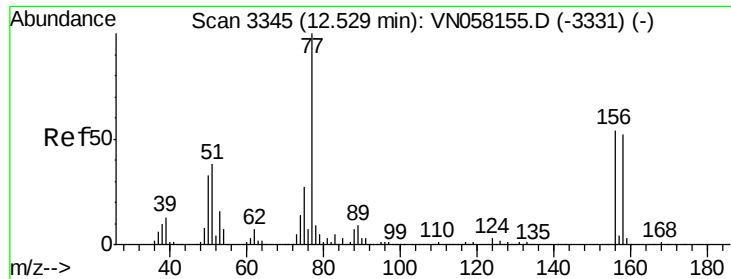
Acq: 18 Sep 2019 13:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 383279 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



Abundance Ion 74.90 (74.60 to 75.60): VN058158.D (-3354) (-)





#77

Bromobenzene

Concen: 49.190 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion:156 Resp: 330123

Ion Ratio Lower Upper

156 100

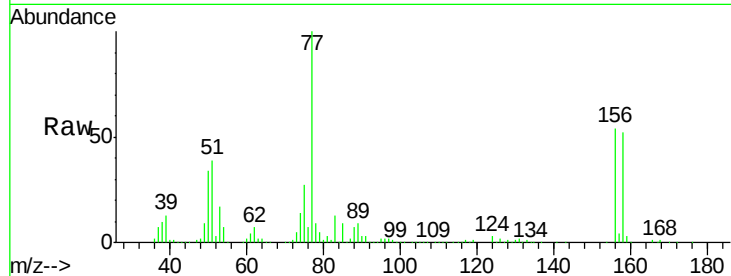
77 222.6 111.7 335.1

158 95.9 47.9 143.8

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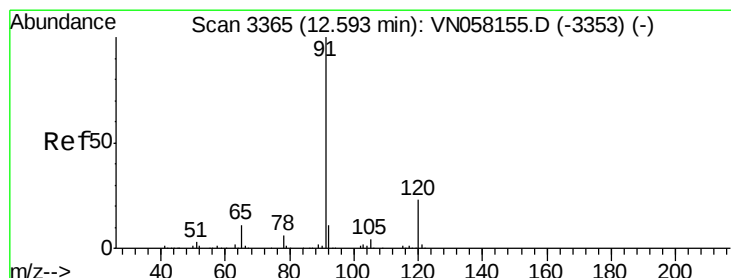
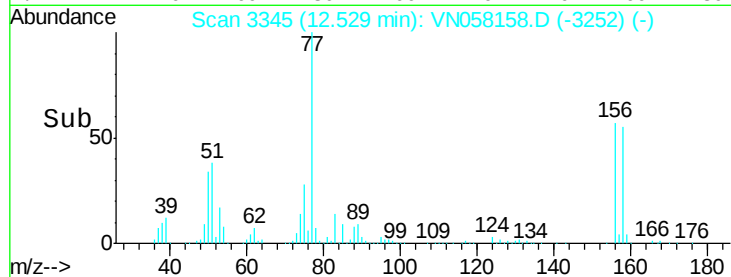
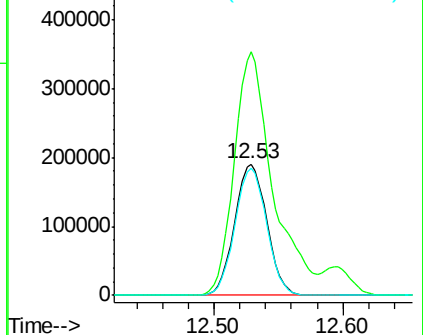
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.170 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058158.D

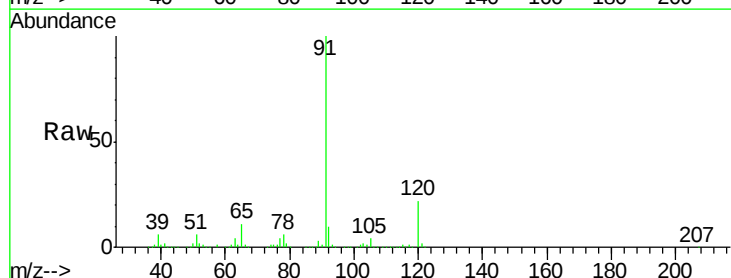
Acq: 18 Sep 2019 13:10

Tgt Ion: 91 Resp: 1612016

Ion Ratio Lower Upper

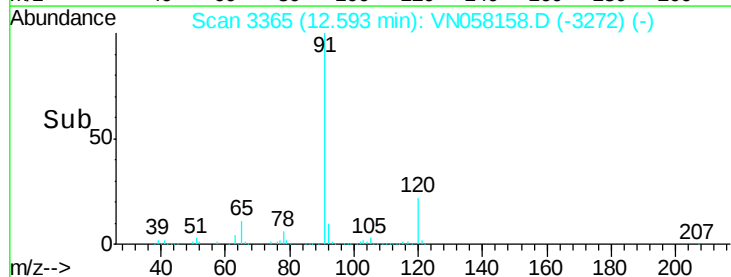
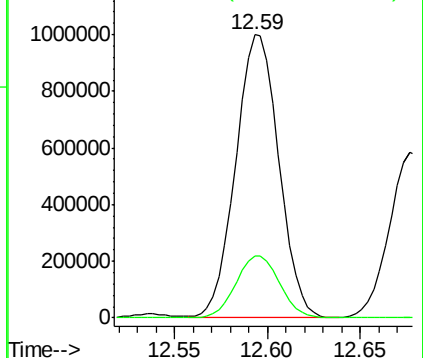
91 100

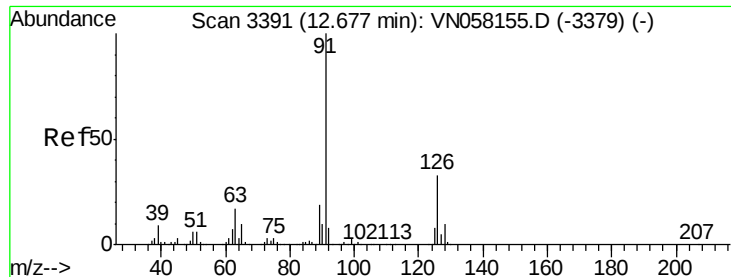
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.633 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion: 91 Resp: 959374

Ion Ratio Lower Upper

91 100

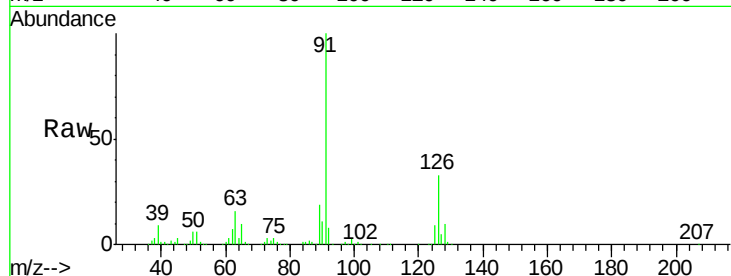
126 33.2 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058158.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN058158.D (-3391) (-)

800000

600000

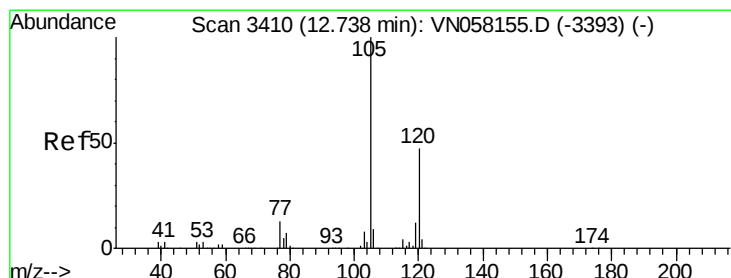
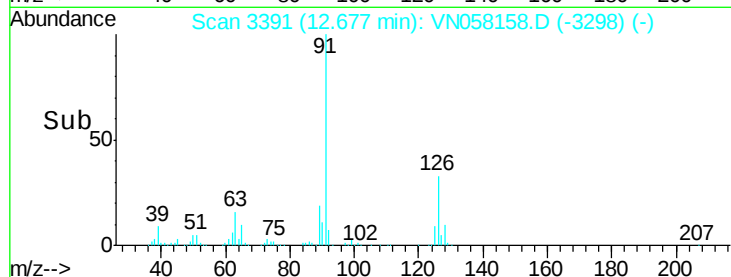
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.619 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058158.D

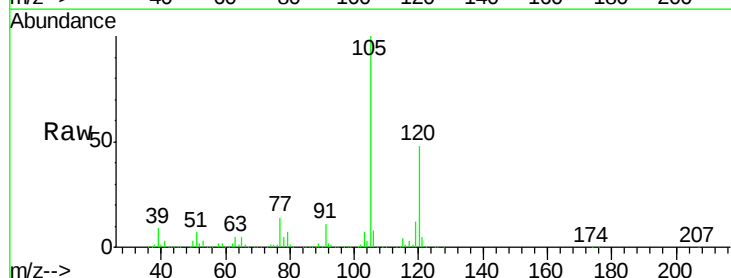
Acq: 18 Sep 2019 13:10

Tgt Ion: 105 Resp: 1187144

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058158.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058158.D (-3410) (-)

800000

600000

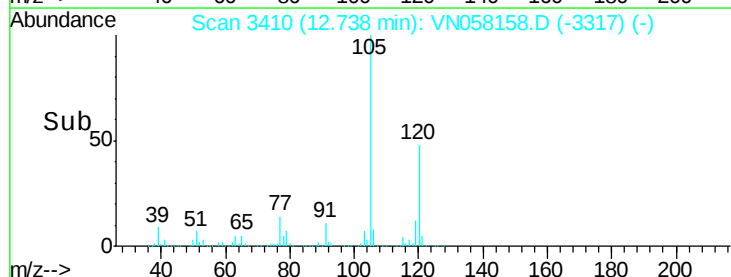
400000

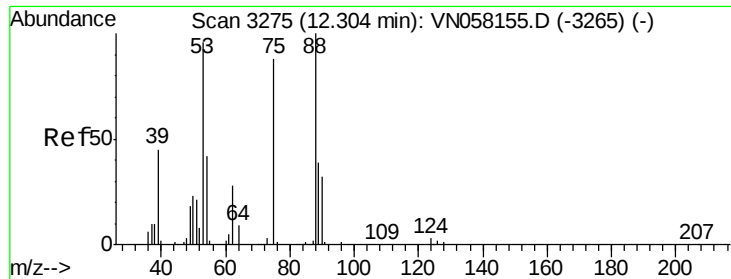
200000

0

12.70 12.74 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.637 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

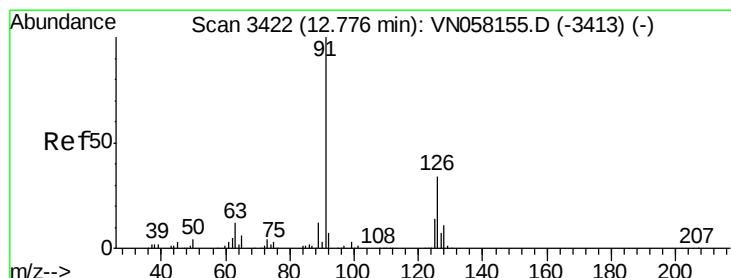
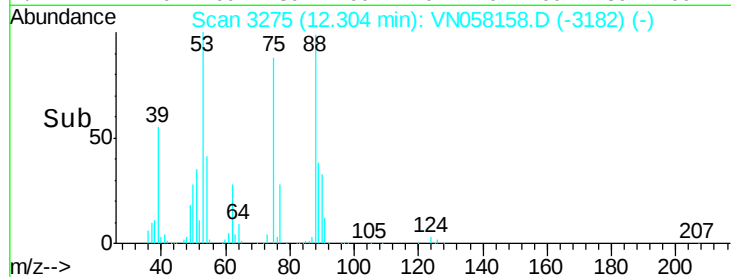
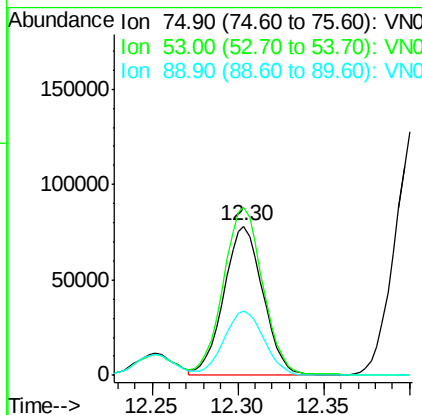
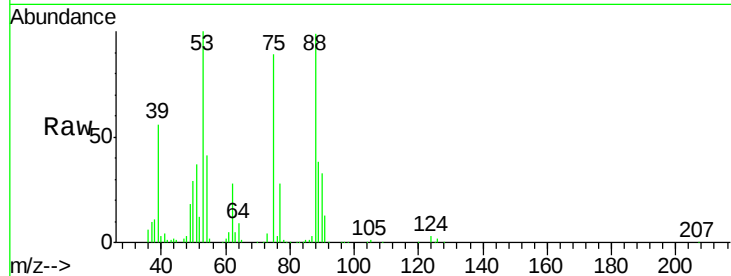
ClientSampleId :

ICVVN091819

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 75    | Resp: | 124204 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 53        | 112.0 | 90.1  | 135.1  |
| 89        | 44.0  | 36.2  | 54.2   |

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#82

4-Chlorotoluene

Concen: 51.401 ug/l

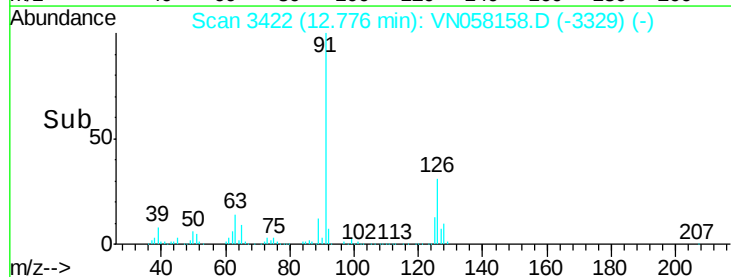
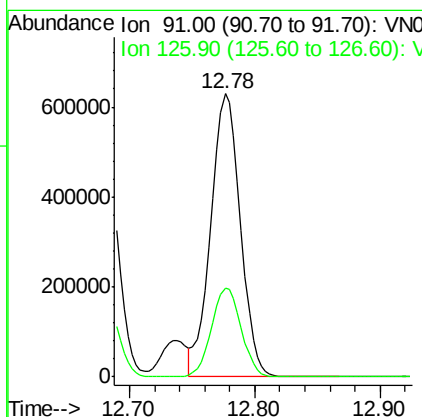
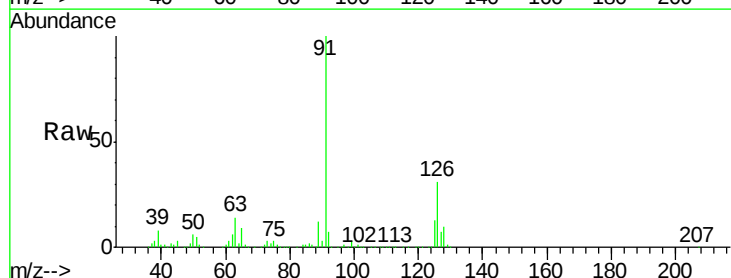
RT: 12.78 min Scan# 3422

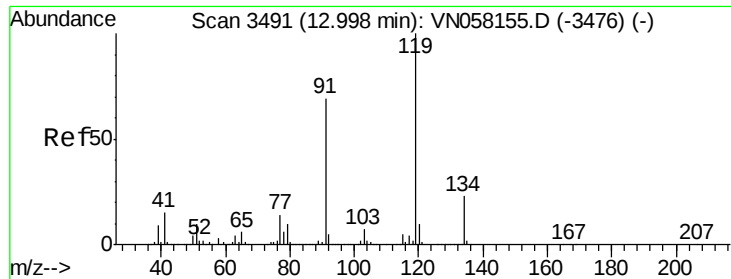
Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1023766 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 126       | 31.7  | 15.7  | 47.1    |





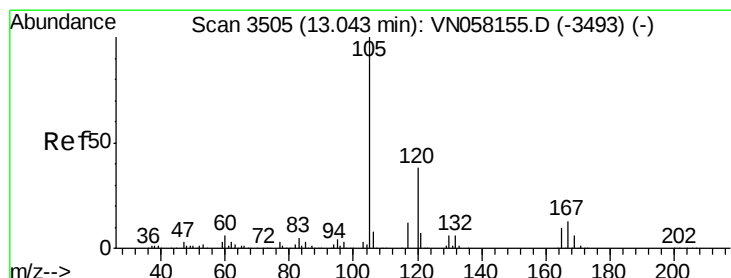
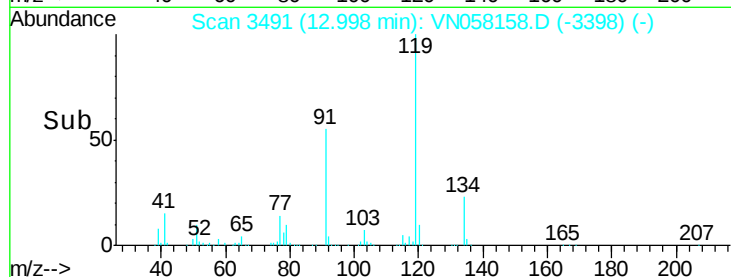
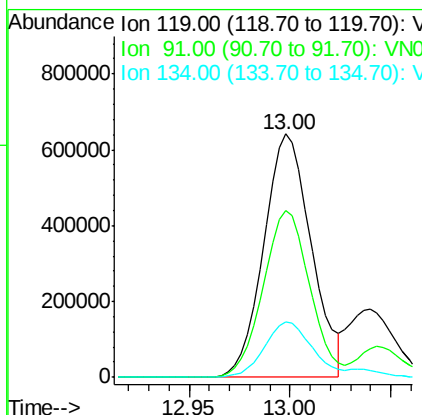
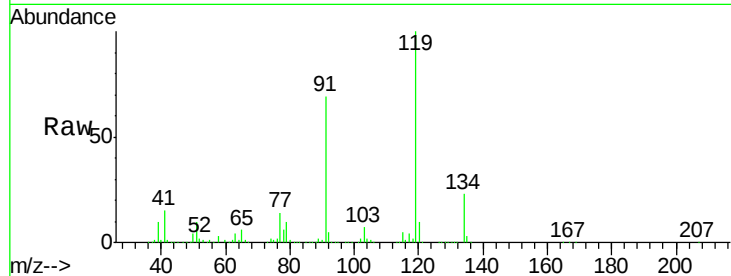
#83  
tert-Butylbenzene  
Concen: 52.208 ug/l  
RT: 13.00 min Scan# 3491  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN091819

Tot Ion:119 Resp: 1050400  
Ion Ratio Lower Upper  
119 100  
91 67.2 33.8 101.3  
134 22.8 11.6 34.8

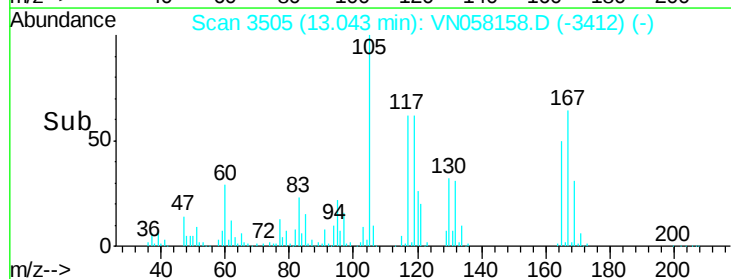
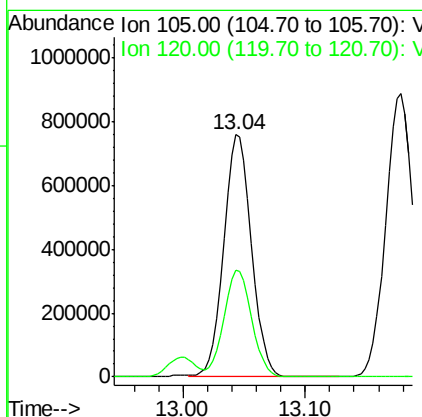
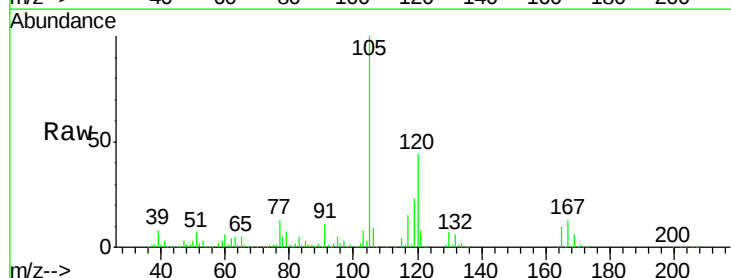
Manual Integrations  
APPROVED

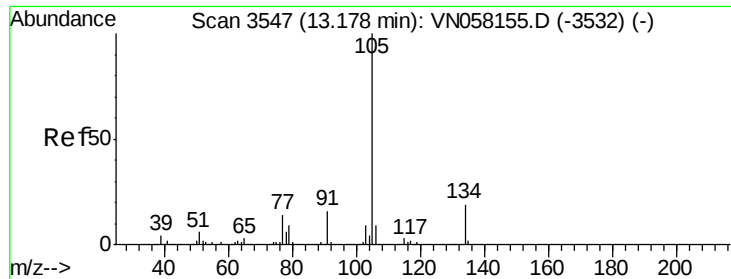
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 53.717 ug/l  
RT: 13.04 min Scan# 3505  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Tgt Ion:105 Resp: 1206060  
Ion Ratio Lower Upper  
105 100  
120 44.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 53.871 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion:105 Resp: 1417346

Ion Ratio Lower Upper

105 100

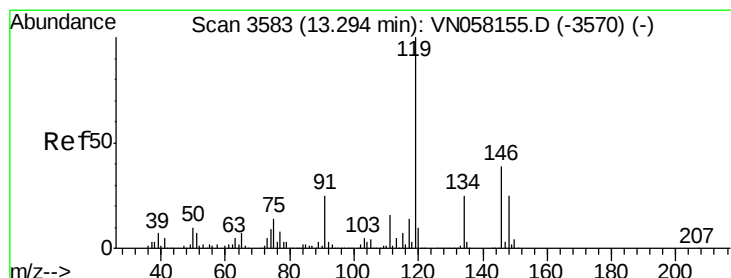
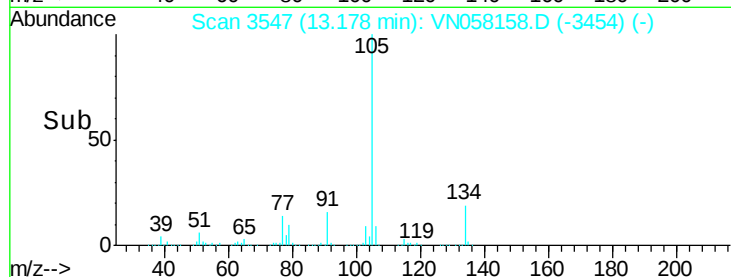
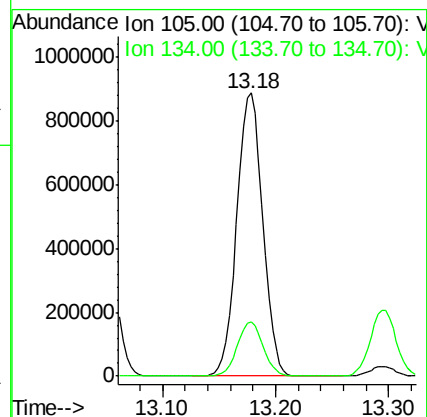
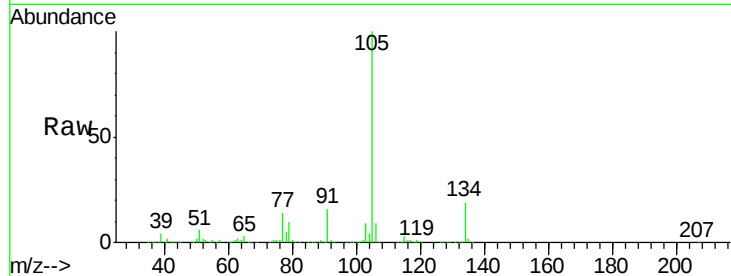
134 19.2 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.634 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

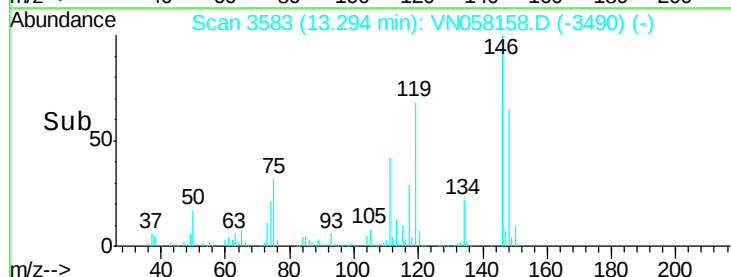
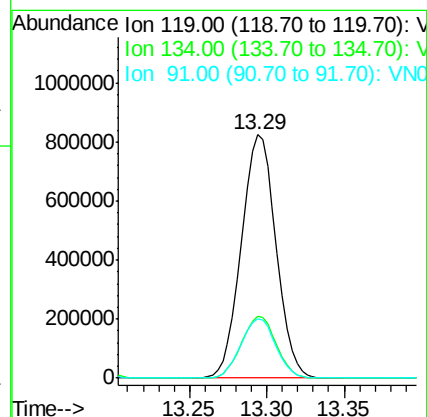
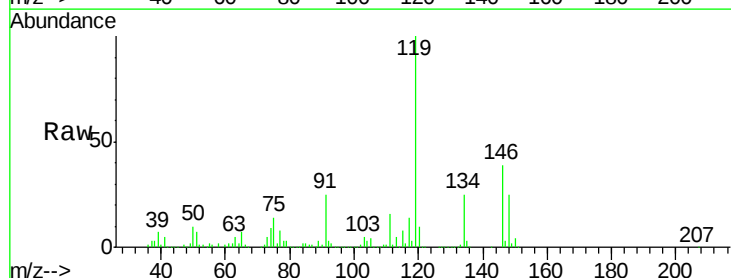
Tgt Ion:119 Resp: 1277884

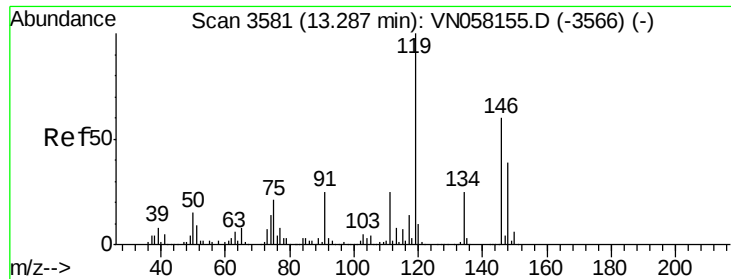
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.0

91 24.6 12.3 36.8





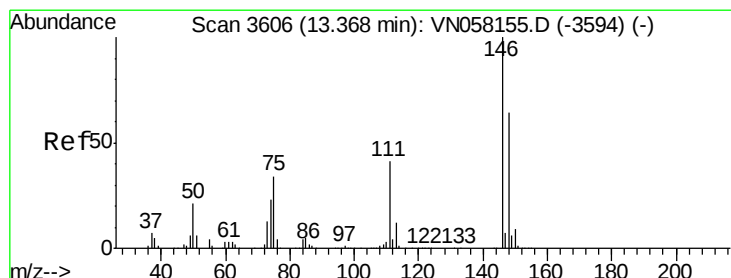
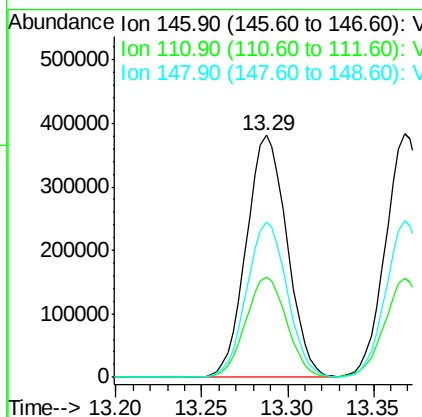
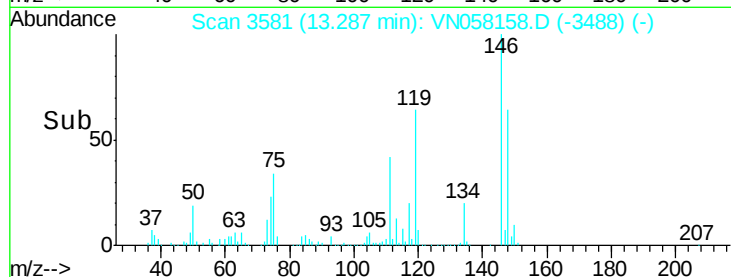
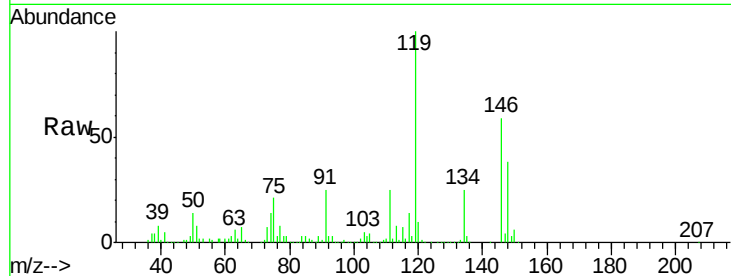
#87  
 1,3-Dichlorobenzene  
 Concen: 51.318 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN091819

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 629046 |       |       |
| 111     | 41.6  | 20.9   | 62.8  |       |
| 148     | 63.8  | 32.0   | 96.2  |       |

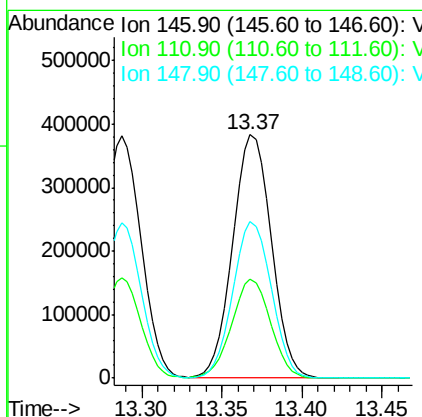
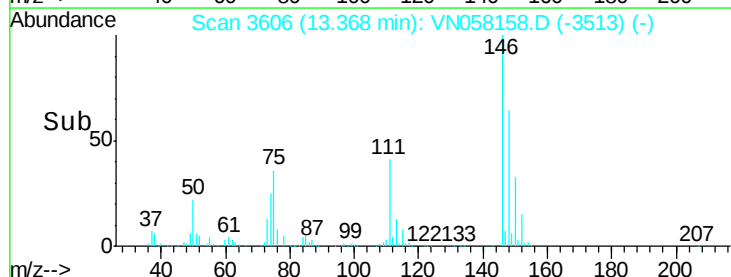
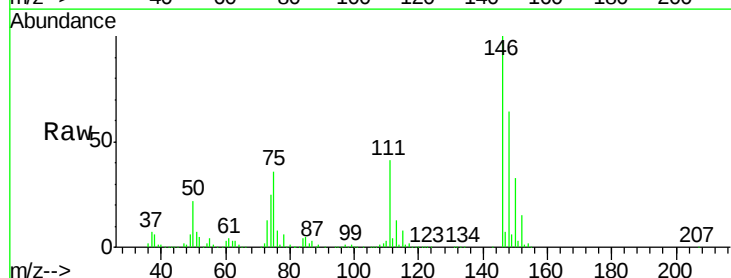
Manual Integrations  
 APPROVED

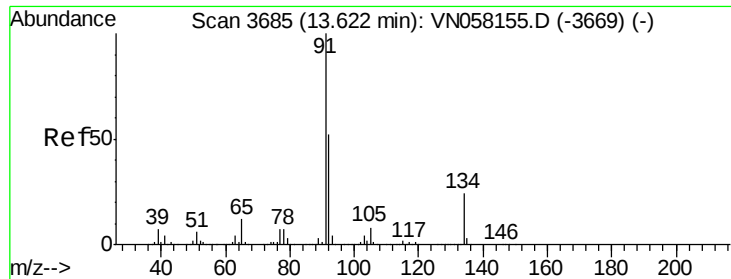
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 50.325 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 629779 |       |       |
| 111     | 40.7  | 20.5   | 61.5  |       |
| 148     | 64.2  | 31.9   | 95.5  |       |





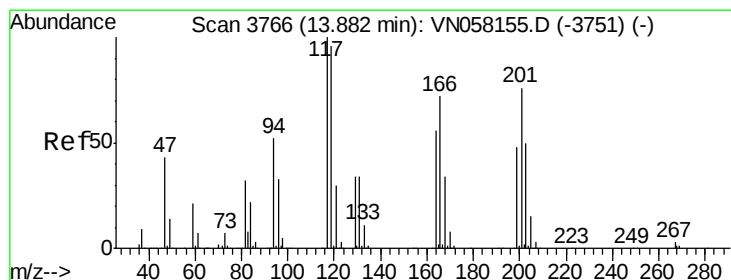
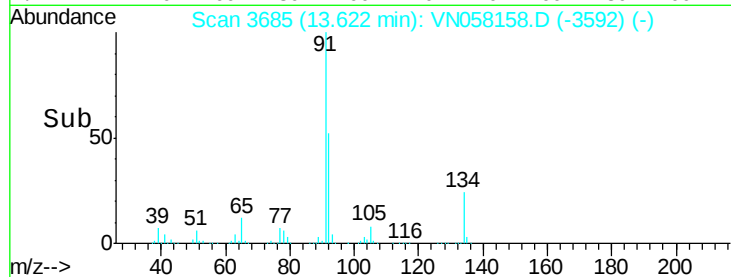
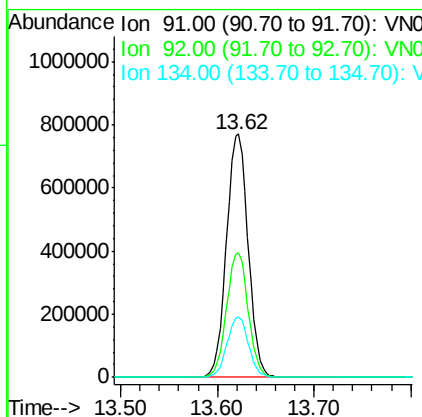
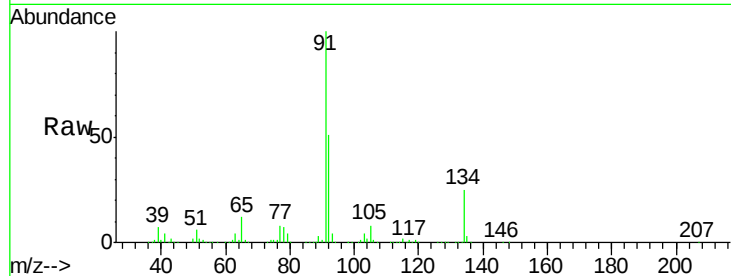
#89  
n-Butylbenzene  
Concen: 54.017 ug/l  
RT: 13.62 min Scan# 3685  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN091819

Tot Ion: 91 Resp: 1197838  
Ion Ratio Lower Upper  
91 100  
92 51.2 25.7 77.0  
134 24.5 11.8 35.4

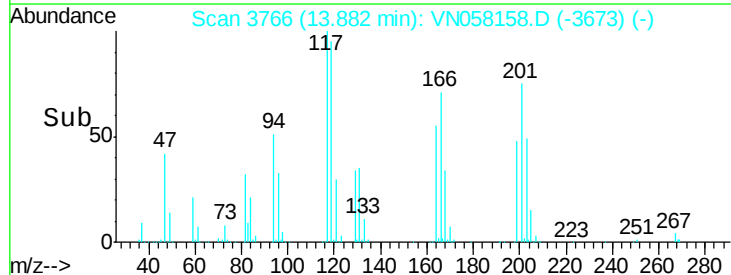
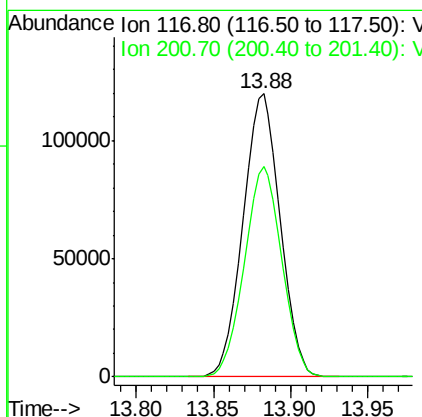
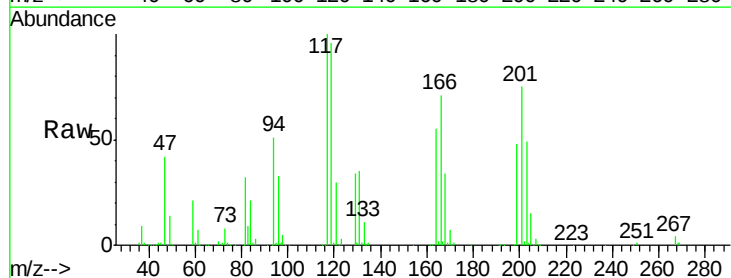
Manual Integrations  
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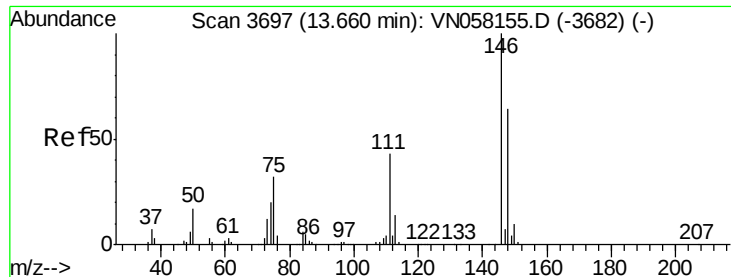
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#90  
Hexachloroethane  
Concen: 48.882 ug/l  
RT: 13.88 min Scan# 3766  
Delta R.T. 0.00 min  
Lab File: VN058158.D  
Acq: 18 Sep 2019 13:10

Tgt Ion: 117 Resp: 200218  
Ion Ratio Lower Upper  
117 100  
201 74.9 37.5 112.5





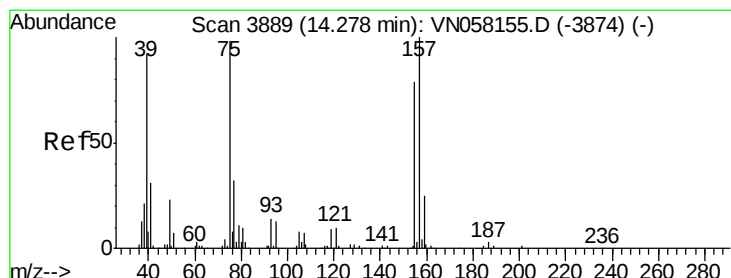
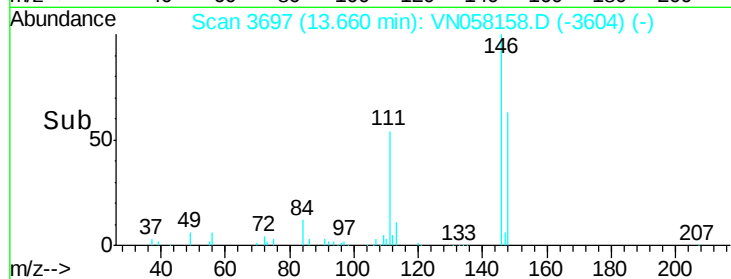
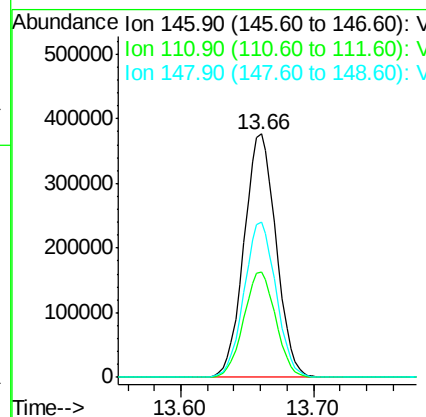
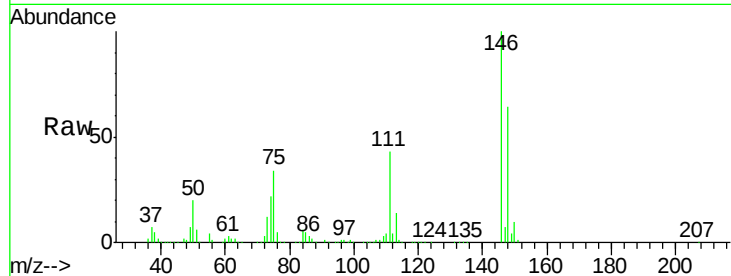
#91  
 1,2-Dichlorobenzene  
 Concen: 51.312 ug/l  
 RT: 13.66 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 ICVVN091819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.3  | 21.1  | 63.1  |
| 148     | 63.5  | 31.8  | 95.4  |

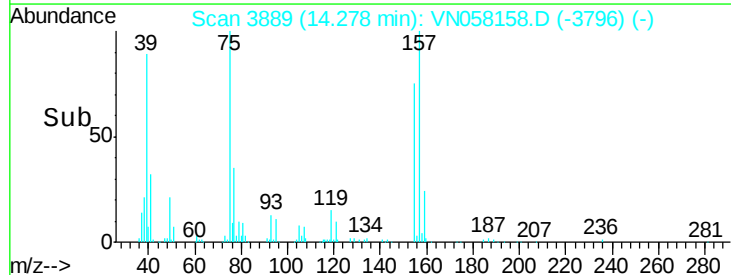
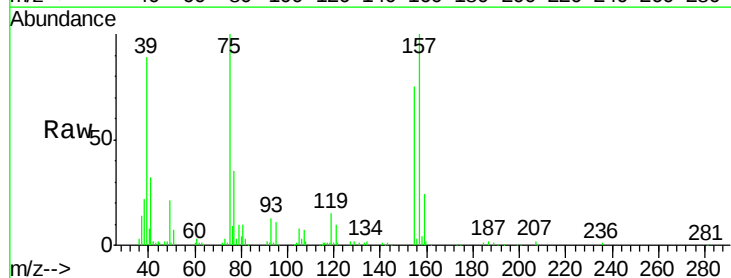
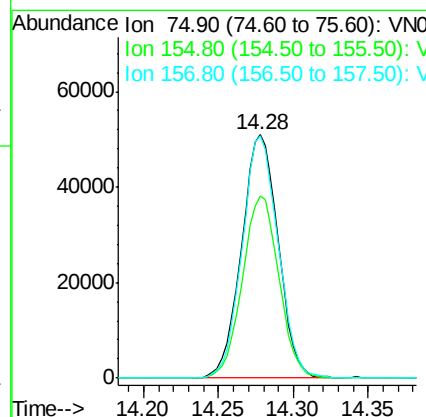
Manual Integrations  
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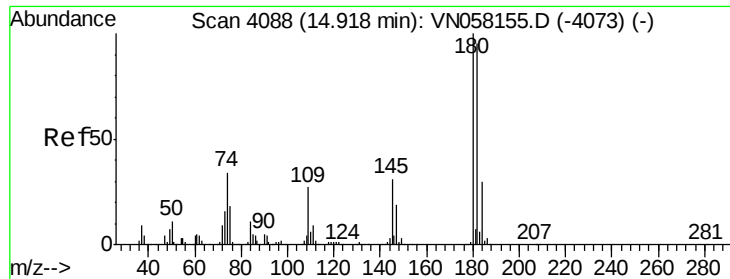
MMDadoda  
 9/20/2019 1:43:24 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.981 ug/l  
 RT: 14.28 min Scan# 3889  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 74.5  | 38.3  | 114.8 |
| 157     | 97.8  | 48.0  | 144.0 |





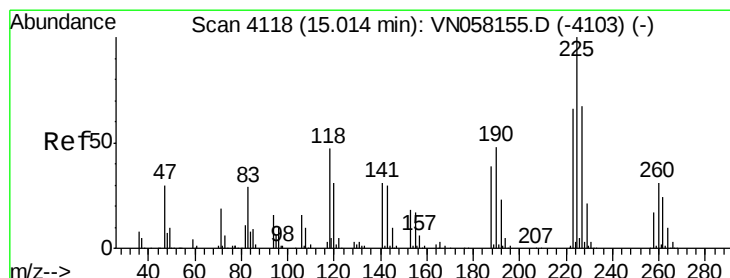
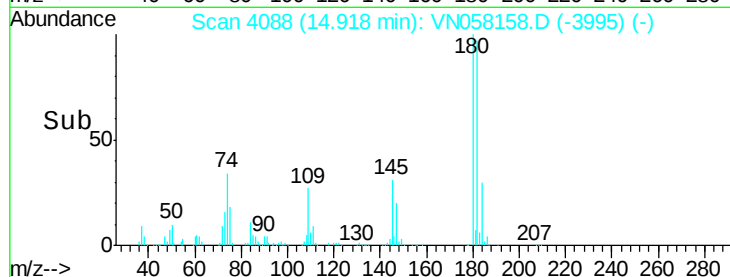
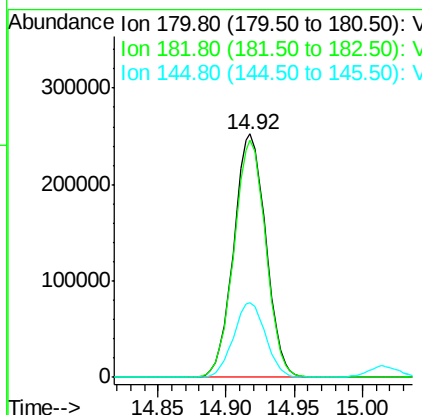
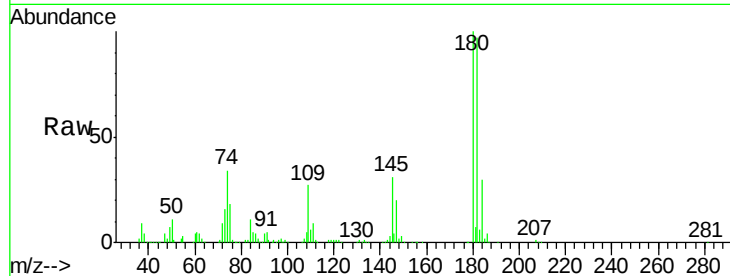
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.500 ug/l  
 RT: 14.92 min Scan# 4088  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN091819

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 412453 |       |       |
| 182     | 96.4  | 47.8   | 143.3 |       |
| 145     | 30.6  | 15.4   | 46.4  |       |

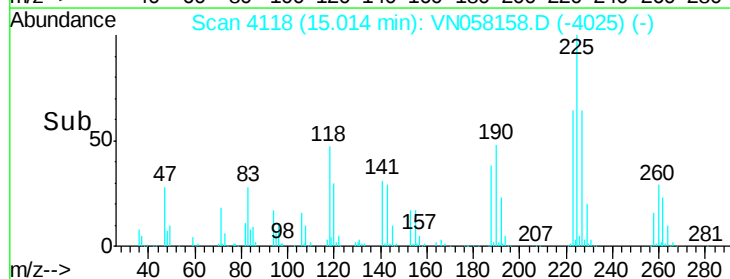
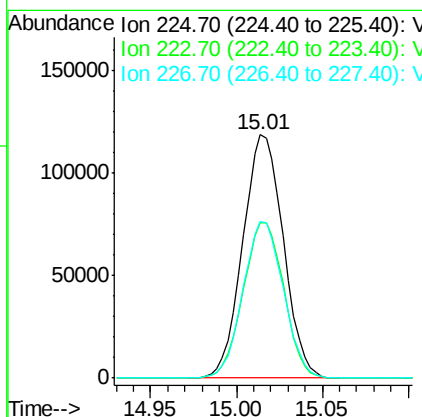
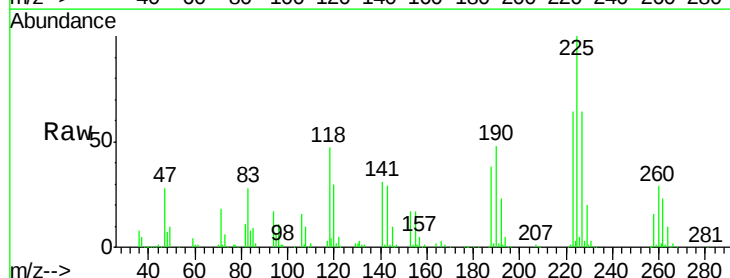
Manual Integrations  
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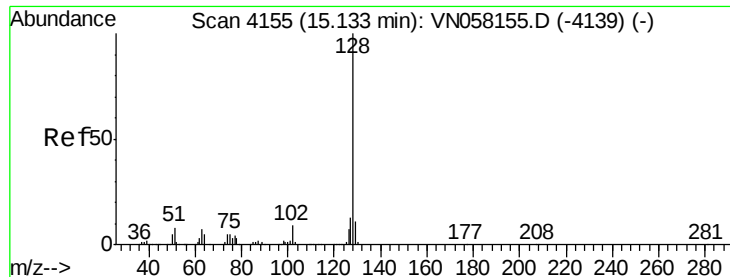
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#94  
 Hexachlorobutadiene  
 Concen: 51.114 ug/l  
 RT: 15.01 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN058158.D  
 Acq: 18 Sep 2019 13:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 194090 |       |       |
| 223     | 63.9  | 32.6   | 97.7  |       |
| 227     | 64.3  | 33.0   | 99.0  |       |





#95

Naphthalene

Concen: 56.267 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN091819

Tot Ion:128 Resp: 1145601

Ion Ratio Lower Upper

128 100

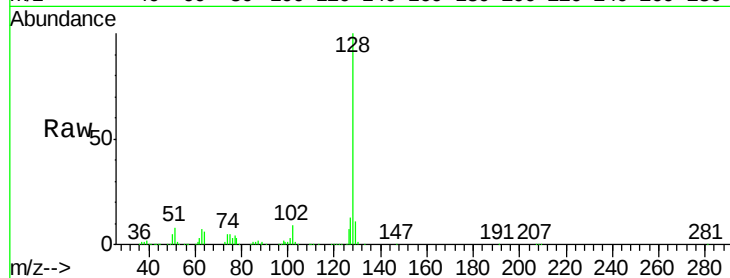
127 12.6 10.2 15.2

129 10.4 8.6 12.8

Manual Integrations  
APPROVED

MMDadoda

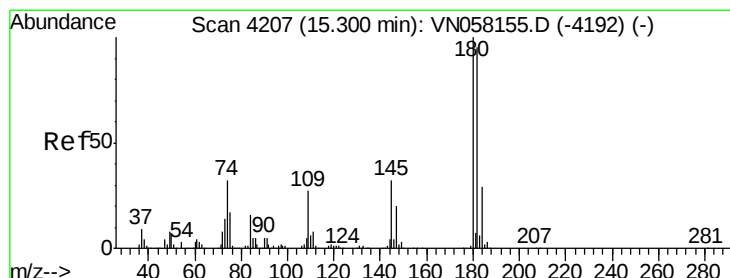
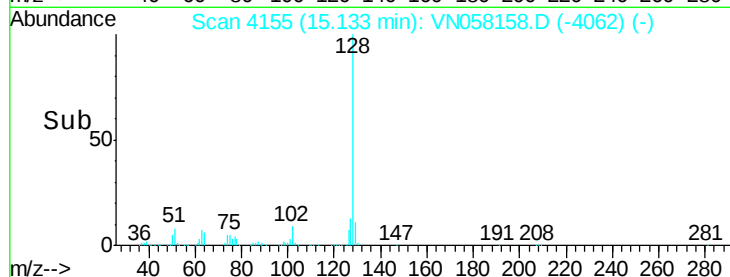
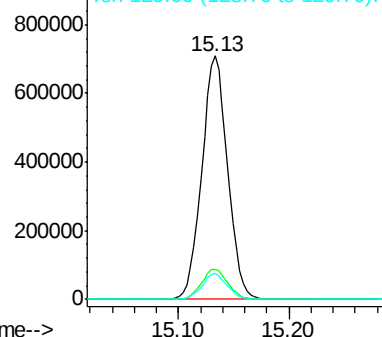
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.974 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058158.D

Acq: 18 Sep 2019 13:10

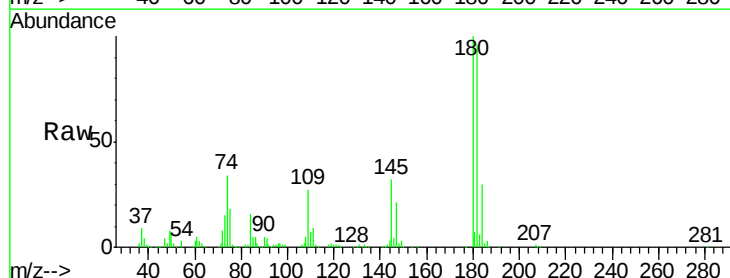
Tgt Ion:180 Resp: 385935

Ion Ratio Lower Upper

180 100

182 96.9 47.4 142.2

145 32.4 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

