

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\  
 Data File : VN062359.D  
 Acq On : 3 Jul 2020 1:45  
 Operator : JC/MD  
 Sample : L3127-08MSD  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

Manual Integrations  
 APPROVED

sam  
 7/6/2020 11:34:30 AM

Quant Time: Jul 03 04:46:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 15:33:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 149464   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 280041   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 265540   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 127804   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 118524   | 56.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.02% |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 90218    | 50.22 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.44% |      |
| 50) Toluene-d8              | 10.06  | 98  | 358218   | 49.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.76%  |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 126225   | 52.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.04% |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 74026   | 43.817  | ug/l | 100    |
| 3) Chloromethane              | 2.03 | 50  | 108453  | 54.652  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.16 | 62  | 121474  | 45.658  | ug/l | 99     |
| 5) Bromomethane               | 2.52 | 94  | 76423   | 44.445  | ug/l | 96     |
| 6) Chloroethane               | 2.66 | 64  | 80344   | 44.207  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 142673  | 43.521  | ug/l | 100    |
| 8) Diethyl Ether              | 3.37 | 74  | 65416   | 57.145  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71 | 101 | 83863   | 48.850  | ug/l | 96     |
| 10) Methyl Iodide             | 3.91 | 142 | 105131  | 54.376  | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.74 | 59  | 95563   | 317.325 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 85221   | 49.657  | ug/l | 95     |
| 13) Acrolein                  | 3.57 | 56  | 63572   | 215.611 | ug/l | 100    |
| 14) Allyl chloride            | 4.27 | 41  | 138075  | 59.092  | ug/l | 98     |
| 15) Acrylonitrile             | 4.93 | 53  | 262890  | 320.343 | ug/l | 99     |
| 16) Acetone                   | 3.78 | 43  | 212477  | 323.930 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.00 | 76  | 237545  | 48.325  | ug/l | 100    |
| 18) Methyl Acetate            | 4.28 | 43  | 102798  | 61.653  | ug/l | 96     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 328473  | 59.897  | ug/l | 95     |
| 20) Methylene Chloride        | 4.50 | 84  | 109875  | 57.095  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 100269  | 51.286  | ug/l | 88     |
| 22) Diisopropyl ether         | 5.90 | 45  | 333698  | 62.723  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.84 | 43  | 1273877 | 293.274 | ug/l | 97     |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 195511  | 57.068  | ug/l | 99     |
| 25) 2-Butanone                | 6.79 | 43  | 337632  | 329.326 | ug/l | 96     |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 128313  | 44.946  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 120465  | 54.757  | ug/l | 97     |
| 28) Bromochloromethane        | 7.15 | 49  | 81697   | 54.962  | ug/l | 87     |
| 29) Tetrahydrofuran           | 7.17 | 42  | 219324  | 326.584 | ug/l | 97     |
| 30) Chloroform                | 7.33 | 83  | 195394  | 56.057  | ug/l | 98     |
| 31) Cyclohexane               | 7.61 | 56  | 153287  | 52.896  | ug/l | 94     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 158393  | 53.885  | ug/l | 97     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 144383  | 51.294  | ug/l | 97     |
| 37) Ethyl Acetate             | 6.88 | 43  | 131689  | 56.499  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 128392  | 48.381  | ug/l | 99     |

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Manual Integrations  
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sam  
 7/6/2020 11:34:30 AM

Quant Time: Jul 03 04:46:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 15:33:00 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 149616   | 48.511   | ug/l   | 98       |
| 40) Benzene                    | 8.00  | 78   | 439084   | 51.178   | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.14  | 41   | 67010m   | 62.013   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 157653   | 54.388   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.13  | 43   | 215075   | 56.604   | ug/l   | 99       |
| 44) Trichloroethene            | 8.80  | 130  | 103241   | 47.704   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 117273   | 55.406   | ug/l   | 99       |
| 46) Dibromomethane             | 9.17  | 93   | 73980    | 51.552   | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.37  | 83   | 156407   | 53.978   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.17  | 41   | 109466   | 64.254   | ug/l   | 92       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 45474    | 1203.635 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 705921   | 317.987  | ug/l   | 97       |
| 52) Toluene                    | 10.12 | 92   | 275383   | 52.606   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 169904   | 53.297   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 176971   | 52.143   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 112339   | 54.593   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 165290   | 60.190   | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 194164   | 54.819   | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.72 | 43   | 528882   | 329.926  | ug/l   | 97       |
| 60) Dibromochloromethane       | 10.87 | 129  | 115394   | 52.968   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 109254   | 51.672   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.60 | 164  | 75344    | 41.537   | ug/l   | 96       |
| 65) Chlorobenzene              | 11.41 | 112  | 287334   | 49.274   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 102392   | 50.779   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.48 | 91   | 519979   | 52.799   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.60 | 106  | 393988   | 103.431  | ug/l   | 97       |
| 69) o-Xylene                   | 11.92 | 106  | 189145   | 52.628   | ug/l   | 96       |
| 70) Stvrene                    | 11.94 | 104  | 325911   | 54.374   | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 74806    | 52.178   | ug/l # | 97       |
| 73) Isopropylbenzene           | 12.22 | 105  | 505143   | 51.060   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.05 | 43   | 189803   | 51.977   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 173063   | 52.568   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 157442m  | 52.330   | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 116544   | 47.450   | ug/l   | 90       |
| 78) n-propylbenzene            | 12.57 | 91   | 592184   | 52.331   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 352404   | 51.512   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 424151   | 52.888   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 54992    | 53.379   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 368019   | 52.021   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 343004   | 49.976   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 424941   | 53.053   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.15 | 105  | 477061   | 52.603   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 420389   | 52.908   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 215605   | 49.990   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 213747   | 48.078   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.59 | 91   | 352703   | 53.392   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.85 | 117  | 81515    | 52.289   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 209984   | 50.208   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 30670    | 58.155   | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene     | 14.88 | 180  | 91619    | 50.146   | ug/l   | 99       |

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Sample : L3127-08MSD  
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Instrument :  
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Quant Title : SW846 8260  
QLast Update : Wed Jun 24 15:33:00 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 94) Hexachlorobutadiene    | 14.99 | 225  | 37720    | 47.534 | ug/l  | 98       |
| 95) Naphthalene            | 15.10 | 128  | 285189   | 47.070 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 93909    | 50.268 | ug/l  | 98       |

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

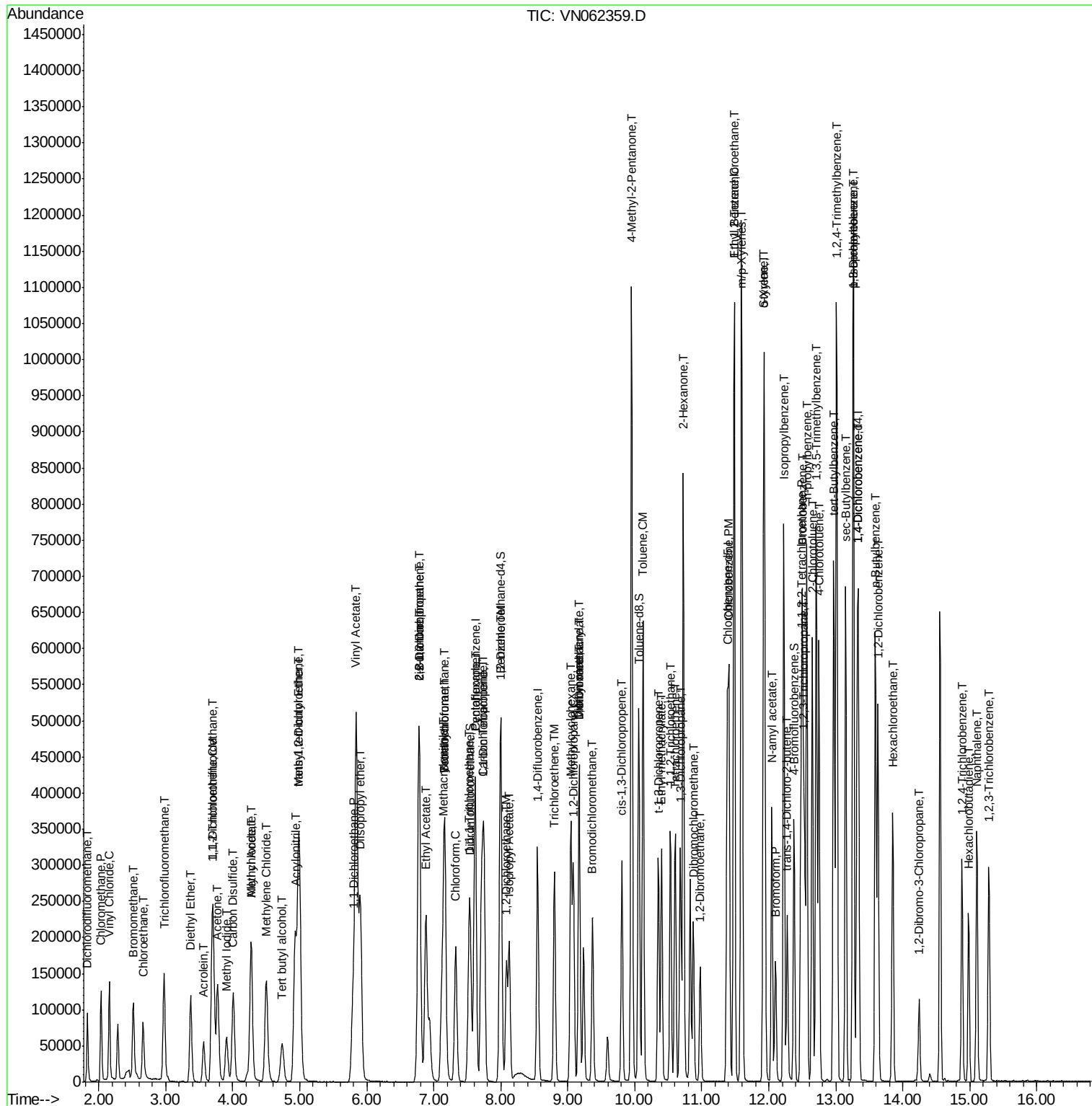
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Data File : VN062359.D  
Acq On : 3 Jul 2020 1:45  
Operator : JC/MD  
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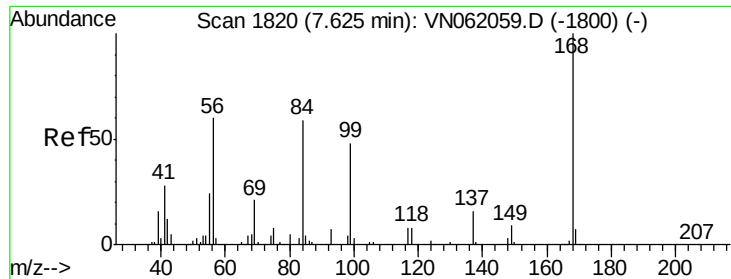
Instrument :  
MSVOA\_N  
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sam  
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Quant Title : SW846 8260  
QLast Update : Wed Jun 24 15:33:00 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

33BR-20200625MSD

Tot Ion:168 Resp: 149464

Ion Ratio Lower Upper

168 100

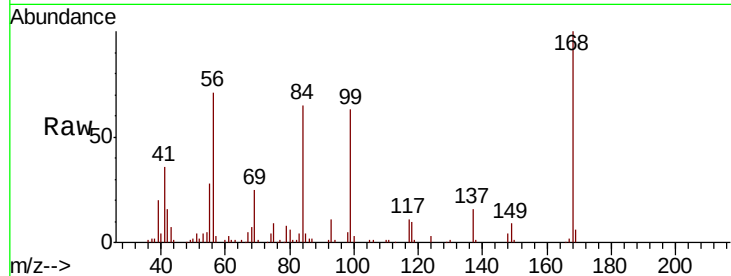
99 63.1 45.8 68.8

Manual Integrations

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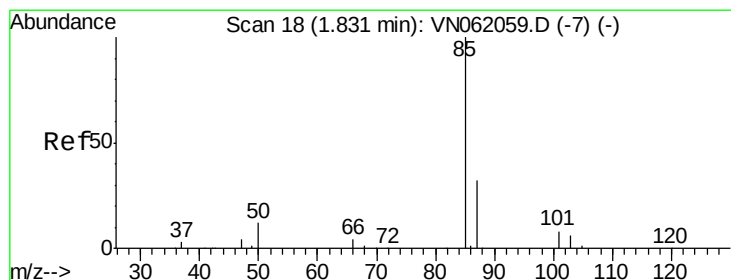
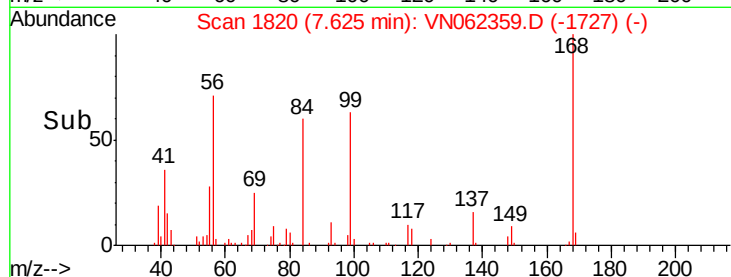
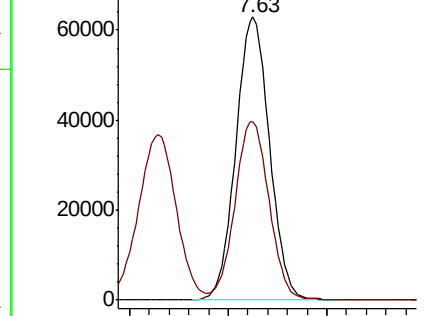
sam

7/6/2020 11:34:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 43.817 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062359.D

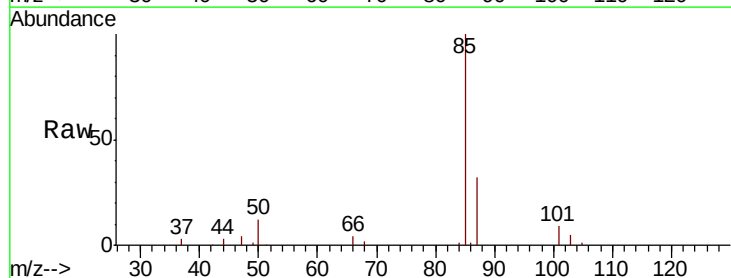
Acq: 3 Jul 2020 1:45

Tgt Ion: 85 Resp: 74026

Ion Ratio Lower Upper

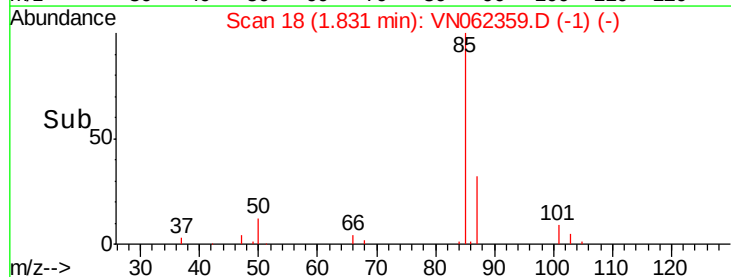
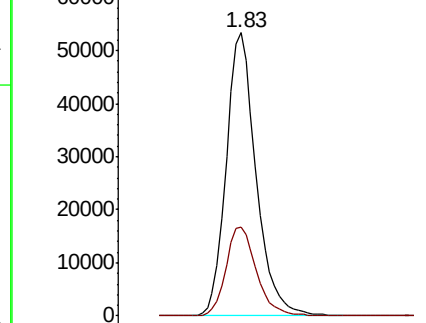
85 100

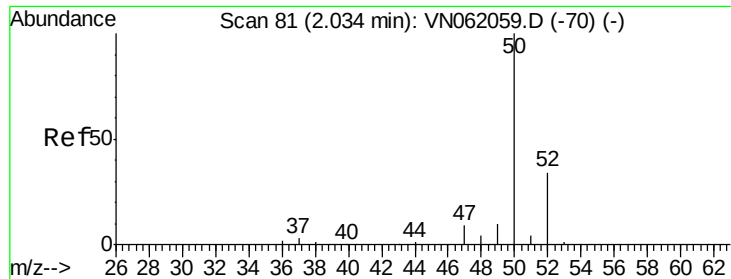
87 31.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 54.652 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 108453

Ion Ratio Lower Upper

50 100

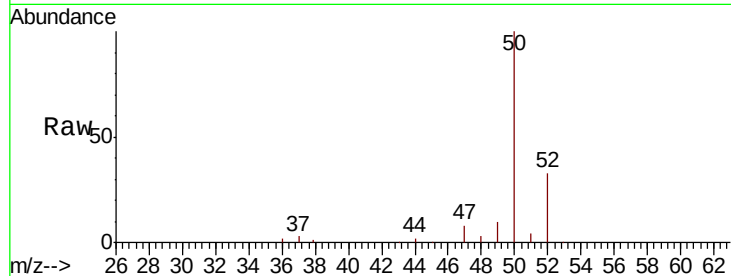
52 32.8 27.0 40.6

Manual Integrations

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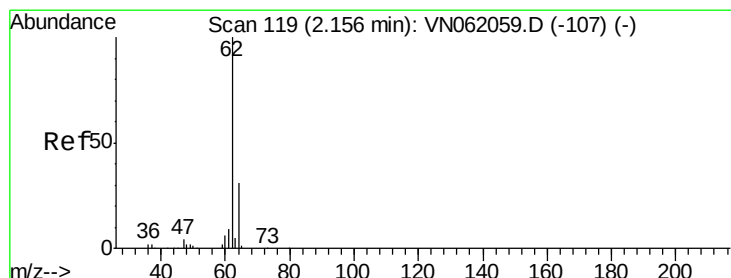
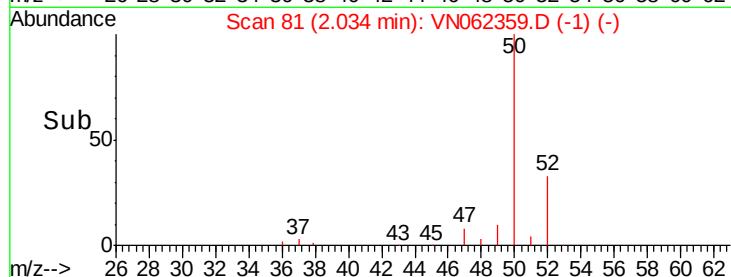
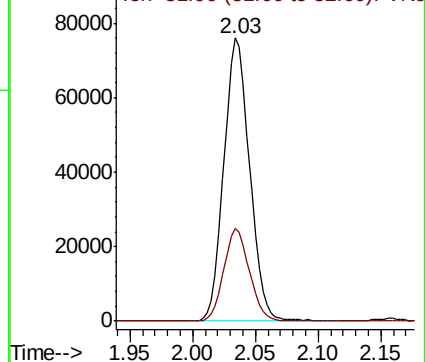
sam

7/6/2020 11:34:30 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.658 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062359.D

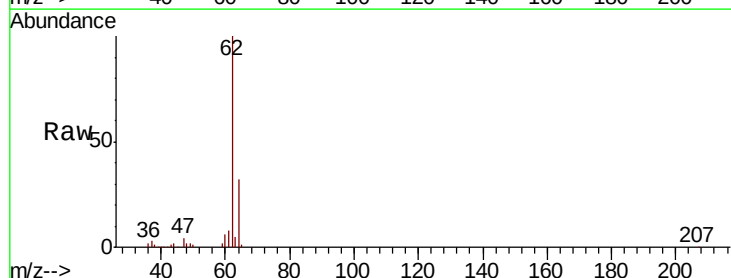
Acq: 3 Jul 2020 1:45

Tgt Ion: 62 Resp: 121474

Ion Ratio Lower Upper

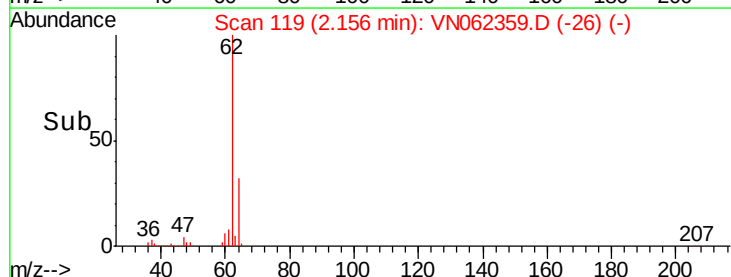
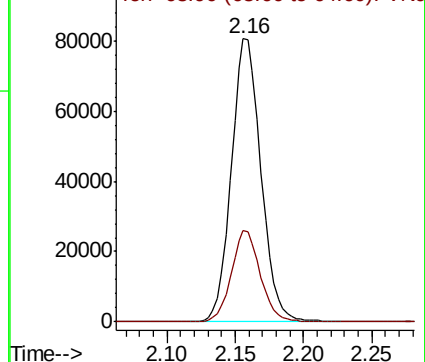
62 100

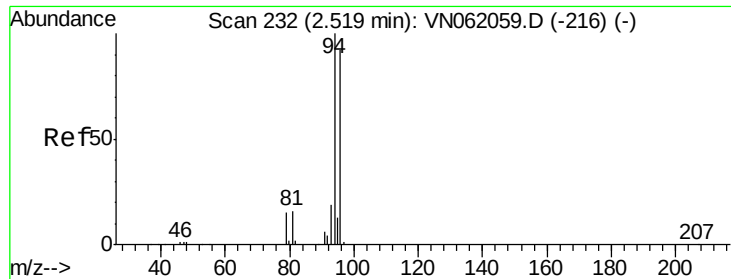
64 32.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 44.445 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

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Tot Ion: 94 Resp: 76423

Ion Ratio Lower Upper

94 100

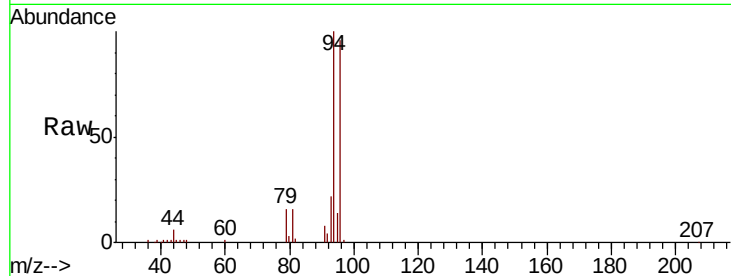
96 95.8 73.4 110.2

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Abundance Ion 93.90 (93.60 to 94.60): VN062059.D (-216) (-)

Ion 95.90 (95.60 to 96.60): VN062059.D (-216) (-)

2.52

40000

30000

20000

10000

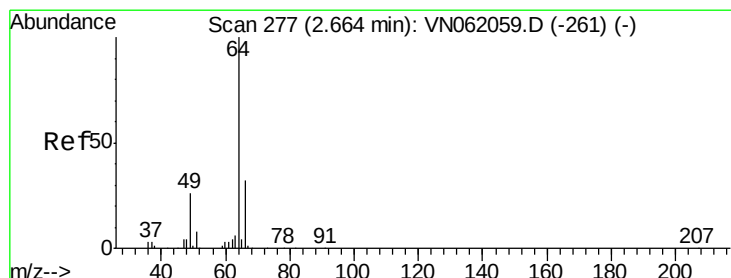
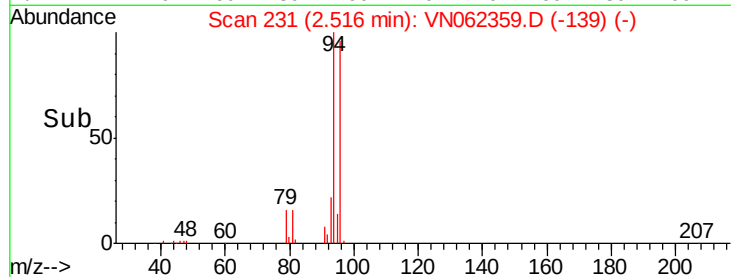
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Time-->

2.40

2.50

2.60



#6

Chloroethane

Concen: 44.207 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062359.D

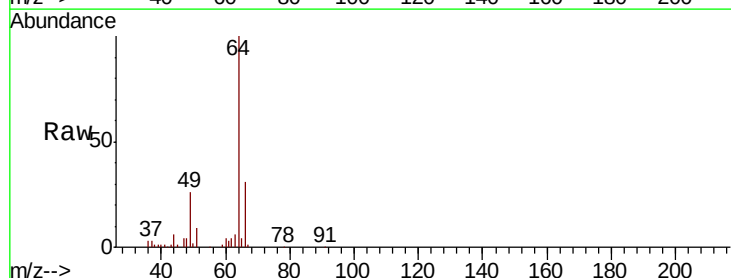
Acq: 3 Jul 2020 1:45

Tgt Ion: 64 Resp: 80344

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN062059.D (-261) (-)

Ion 65.90 (65.60 to 66.60): VN062059.D (-261) (-)

2.66

40000

30000

20000

10000

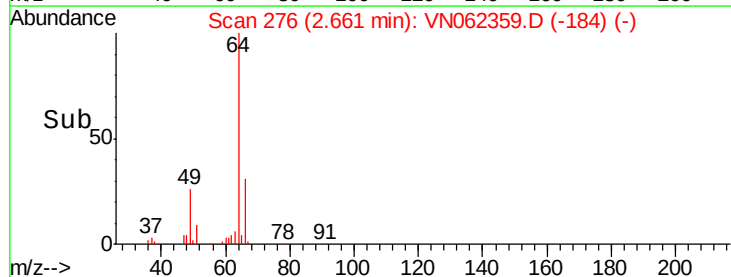
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Time-->

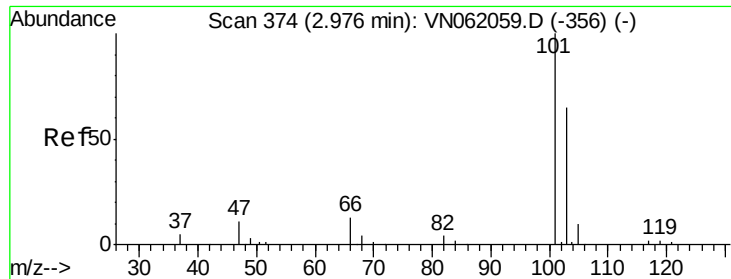
2.60

2.70

2.80







#7

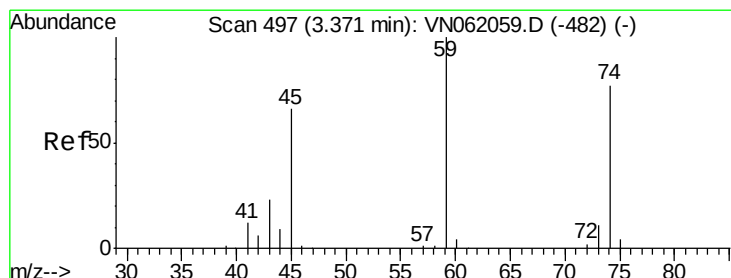
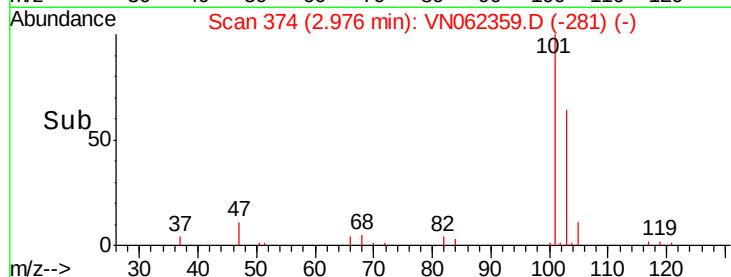
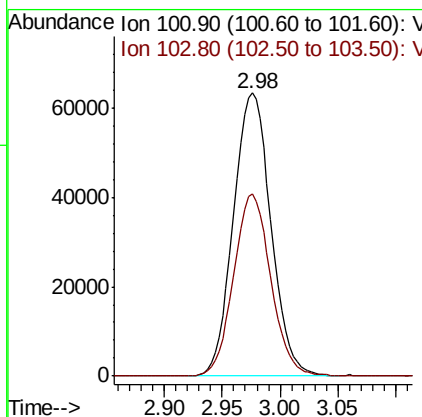
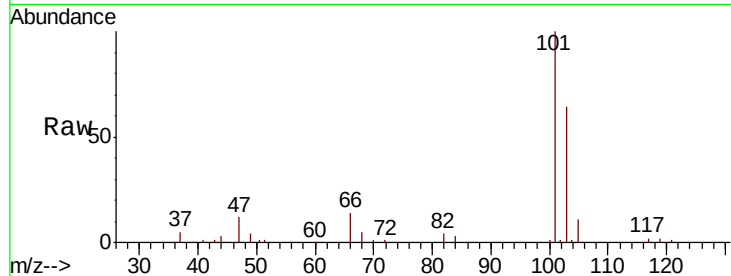
Trichlorofluoromethane  
Concen: 43.521 ug/l  
RT: 2.98 min Scan# 374  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

Tot Ion:101 Resp: 142673  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.8 77.6

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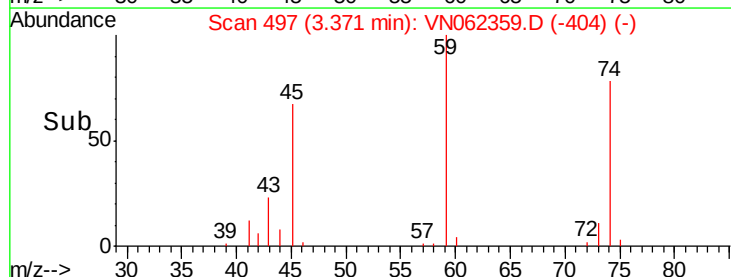
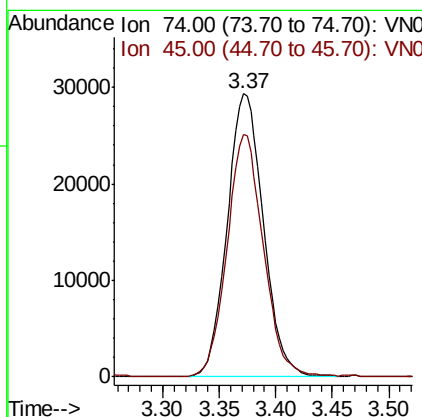
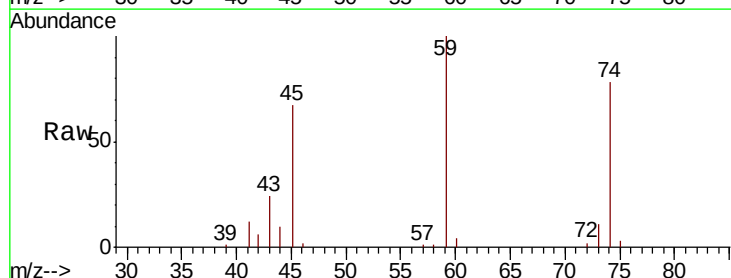
sam  
7/6/2020 11:34:30 AM



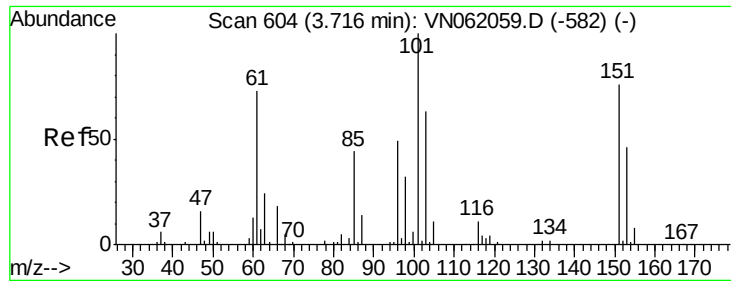
#8

Diethyl Ether  
Concen: 57.145 ug/l  
RT: 3.37 min Scan# 497  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Tgt Ion: 74 Resp: 65416  
Ion Ratio Lower Upper  
74 100  
45 85.9 42.5 127.5







#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.850 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

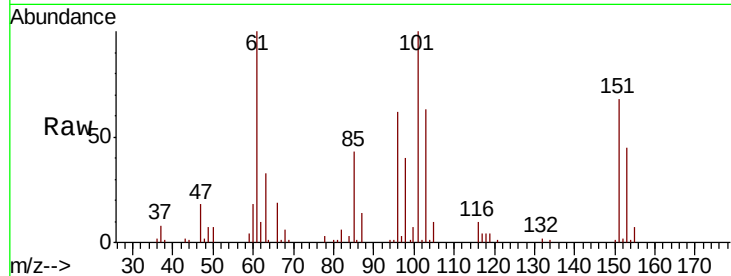
33BR-20200625MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 83863 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.5  | 34.5  | 51.7  |
| 151       | 67.8  | 57.8  | 86.8  |

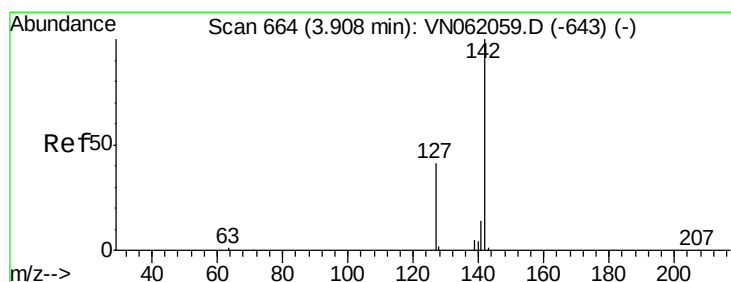
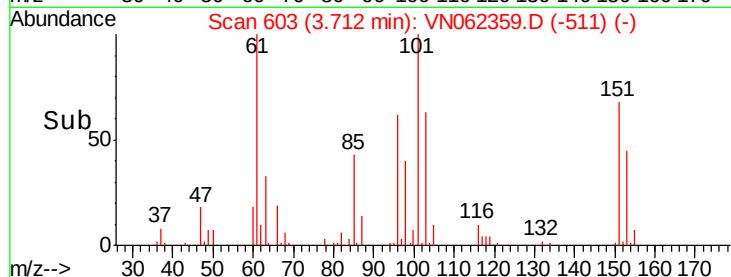
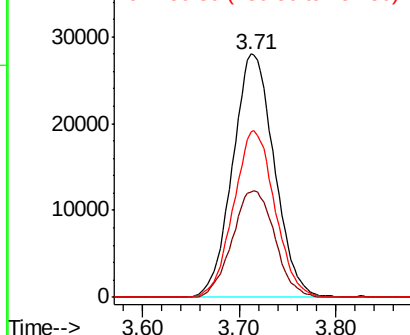
Manual Integrations  
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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VN  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.376 ug/l

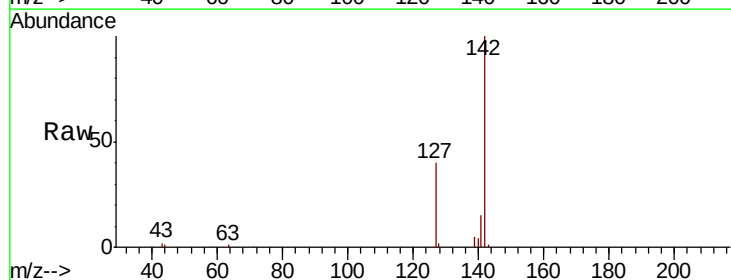
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

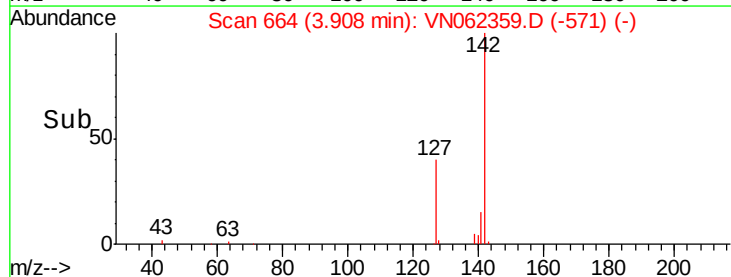
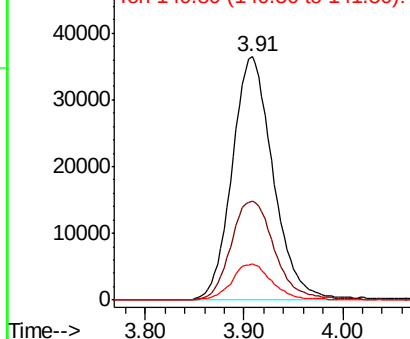
Lab File: VN062359.D

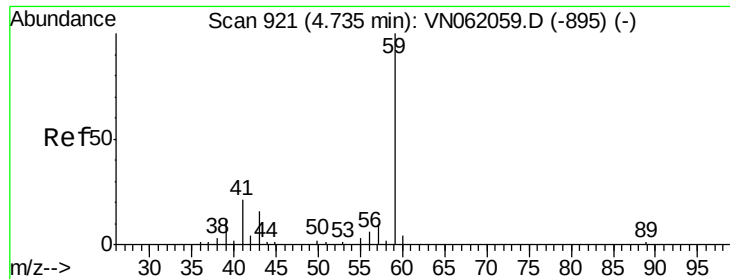
Acq: 3 Jul 2020 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 105131 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.5  | 33.6  | 50.4   |
| 141       | 14.7  | 11.3  | 16.9   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





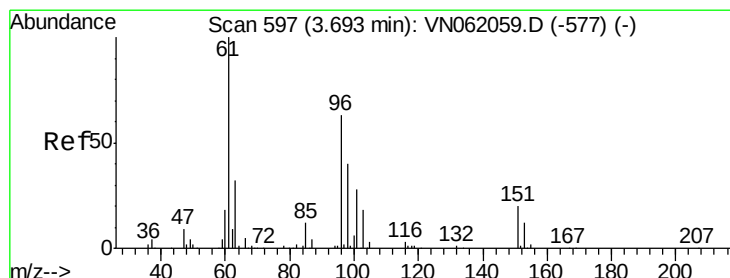
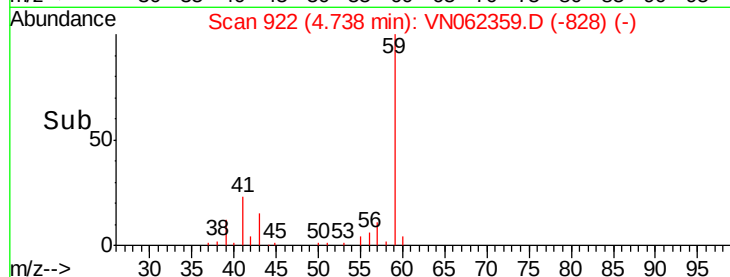
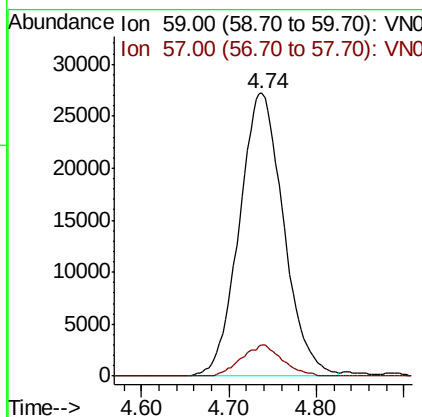
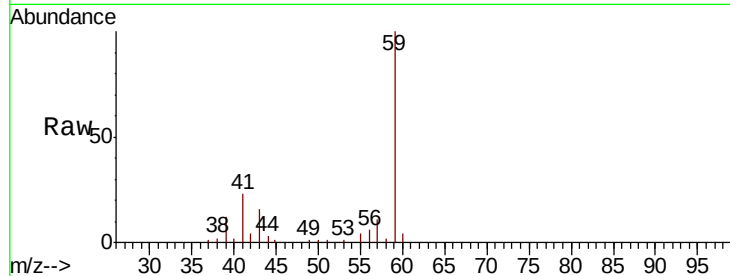
#11  
Tert butyl alcohol  
Concen: 317.325 ug/l  
RT: 4.74 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.3   | 12.5  |

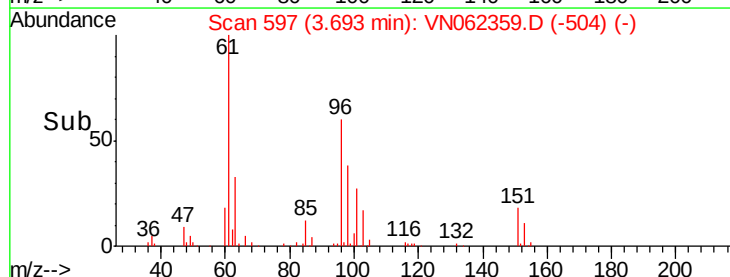
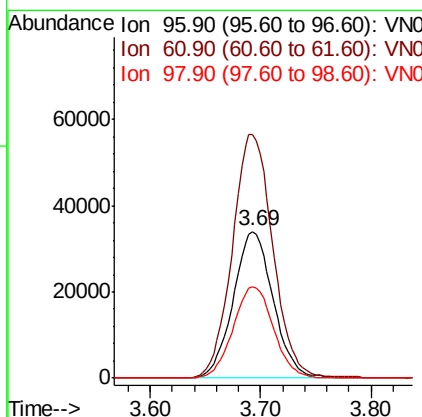
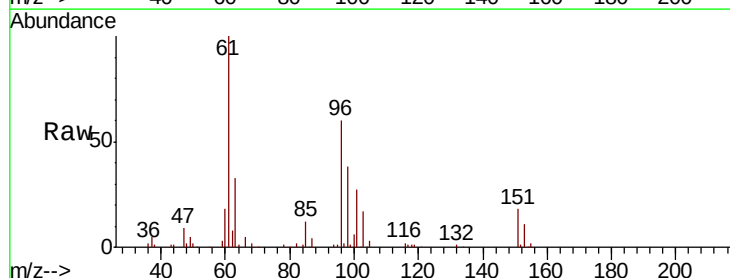
Manual Integrations  
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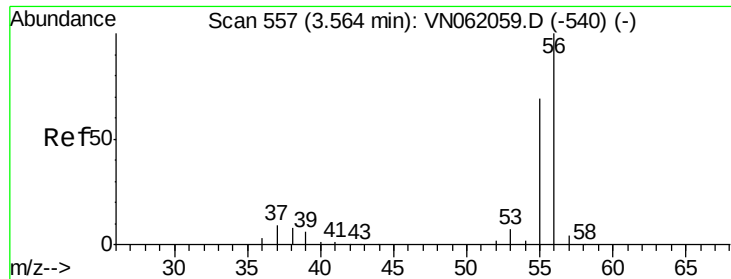
sam  
7/6/2020 11:34:30 AM



#12  
1,1-Dichloroethene  
Concen: 49.657 ug/l  
RT: 3.69 min Scan# 597  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 166.1 | 126.7 | 190.1 |
| 98      | 62.7  | 51.0  | 76.4  |





#13

Acrolein

Concen: 215.611 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

33BR-20200625MSD

Tot Ion: 56 Resp: 63572

Ion Ratio Lower Upper

56 100

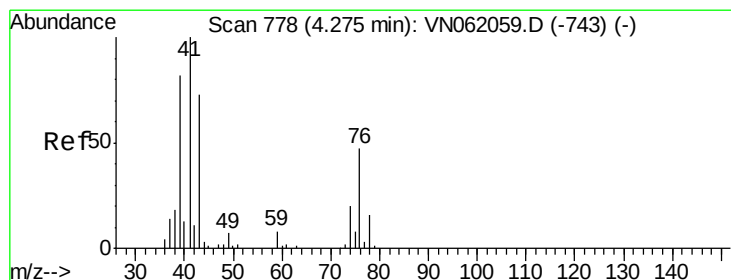
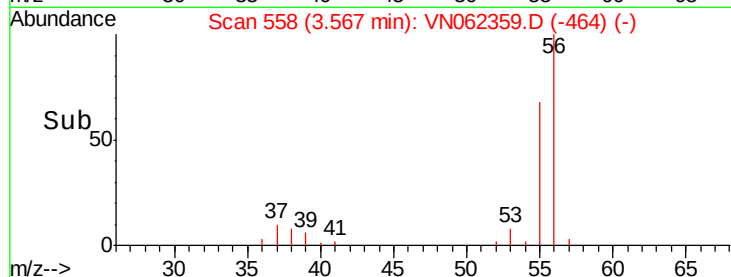
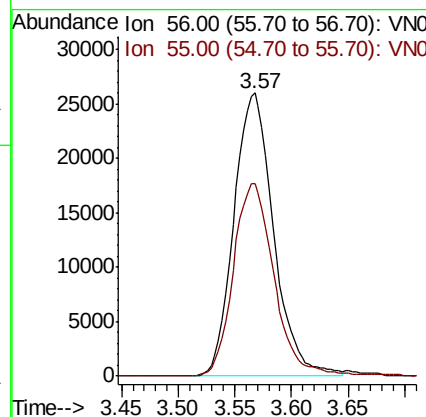
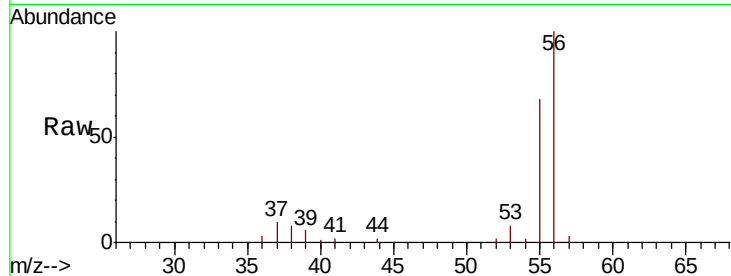
55 69.6 55.5 83.3

Manual Integrations

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sam

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#14

Allyl chloride

Concen: 59.092 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

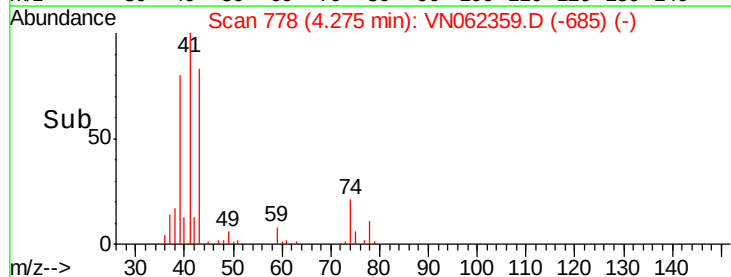
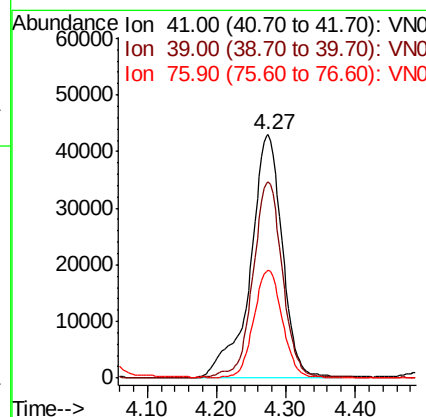
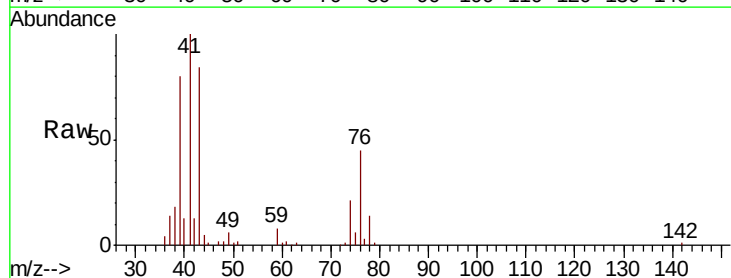
Tgt Ion: 41 Resp: 138075

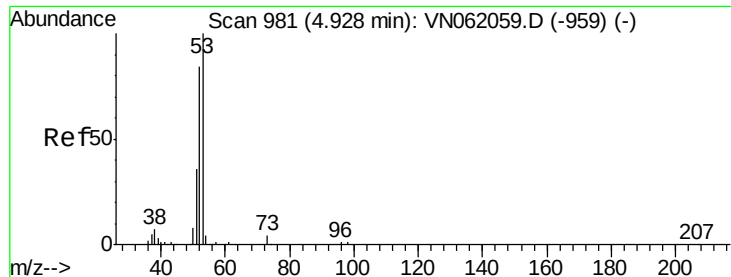
Ion Ratio Lower Upper

41 100

39 74.2 60.0 90.0

76 39.4 34.1 51.1





#15

Acrylonitrile

Concen: 320.343 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

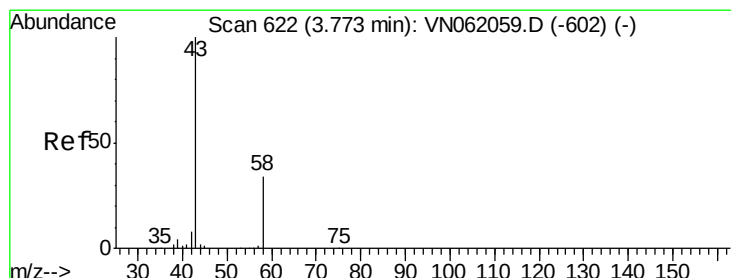
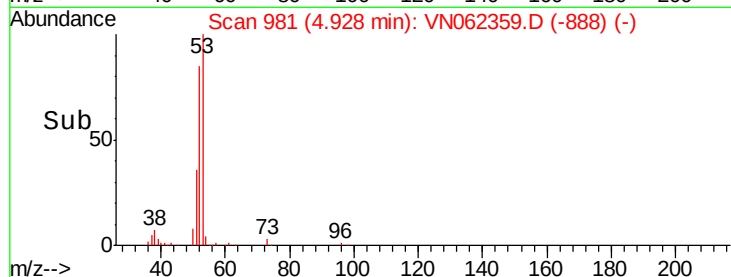
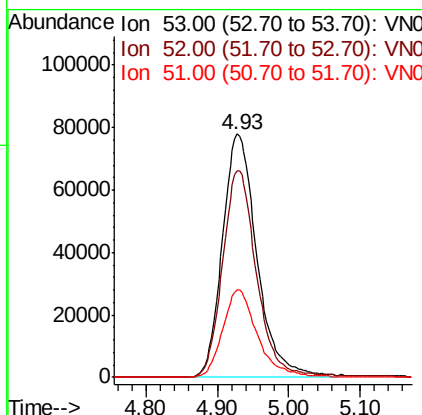
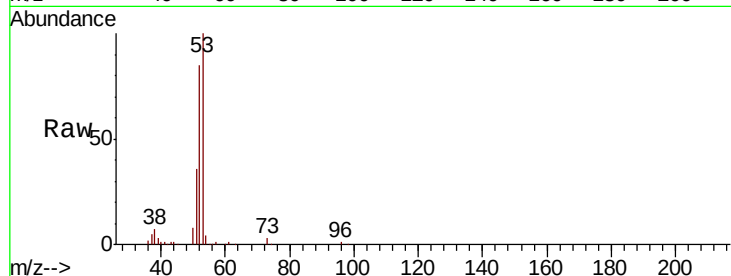
ClientSampleId :

33BR-20200625MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 262890 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 84.0  | 66.2  | 99.4   |
| 51        | 36.4  | 28.9  | 43.3   |

Manual Integrations  
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#16

Acetone

Concen: 323.930 ug/l

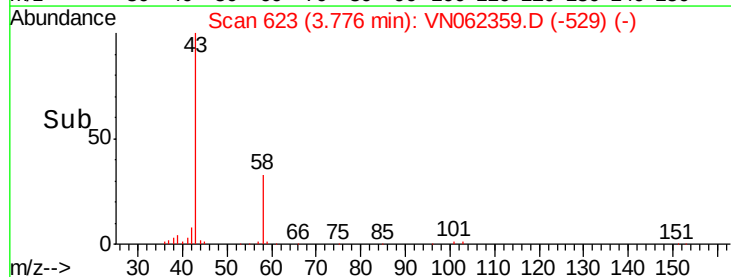
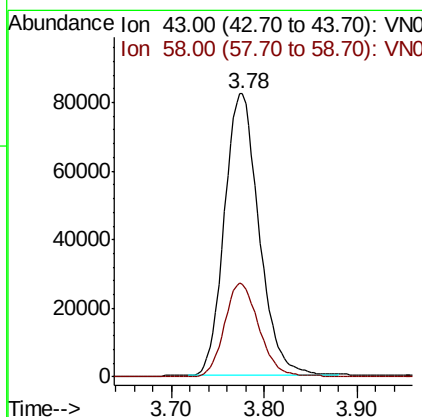
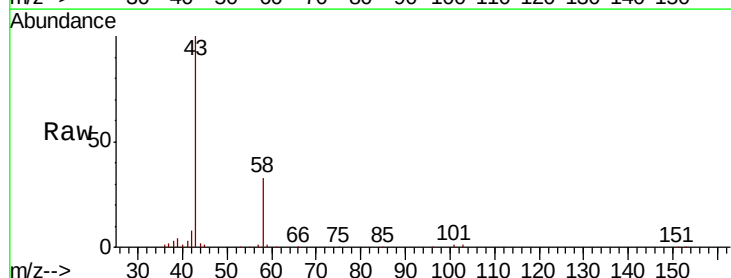
RT: 3.78 min Scan# 623

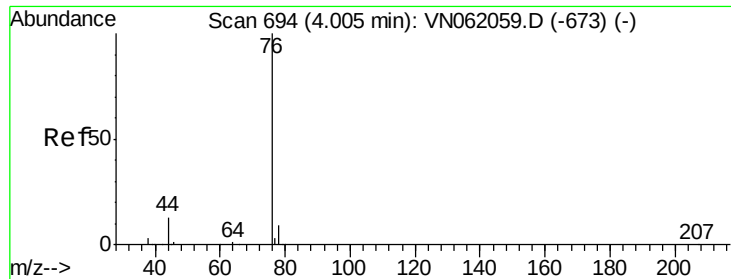
Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 212477 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.8  | 27.5  | 41.3   |





#17

Carbon Disulfide

Concen: 48.325 ug/l

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

33BR-20200625MSD

Tot Ion: 76 Resp: 237545

Ion Ratio Lower Upper

76 100

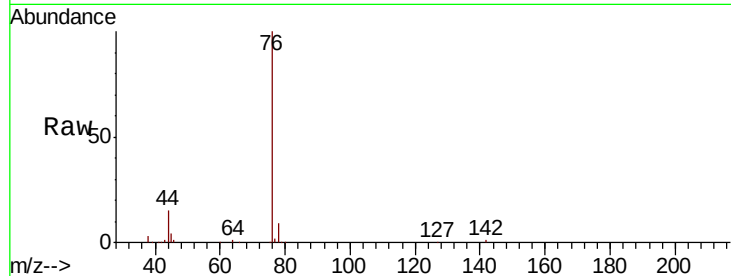
78 8.9 7.2 10.8

Manual Integrations

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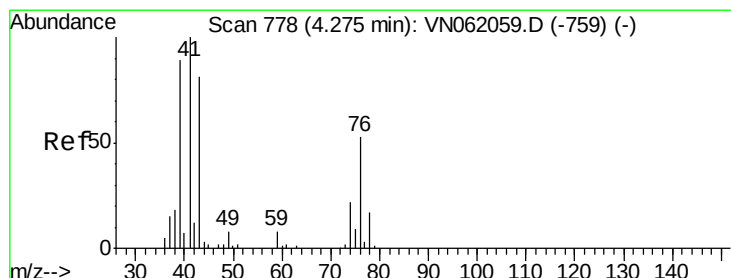
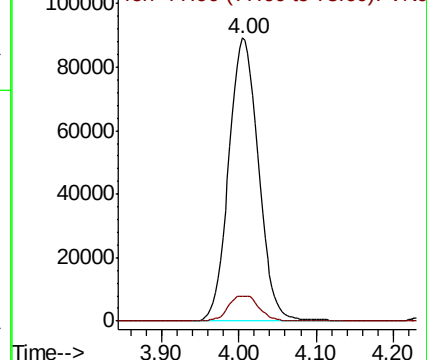
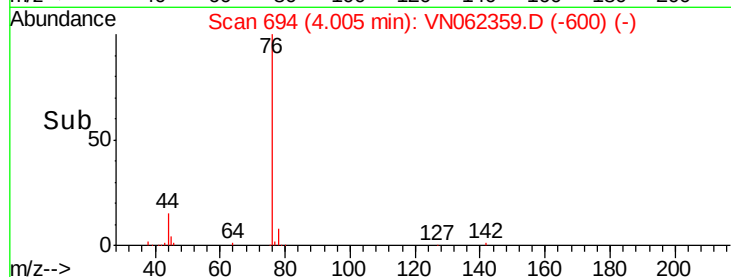
sam

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Abundance Ion 75.90 (75.60 to 76.60): VN062359.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062359.D (-600) (-)



#18

Methyl Acetate

Concen: 61.653 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062359.D

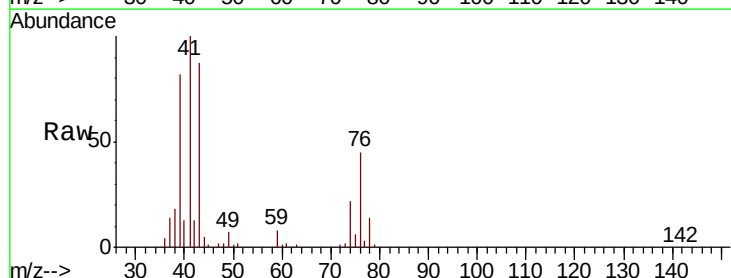
Acq: 3 Jul 2020 1:45

Tgt Ion: 43 Resp: 102798

Ion Ratio Lower Upper

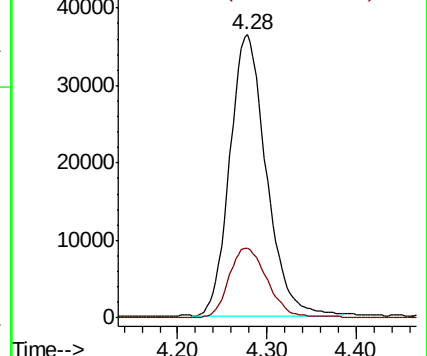
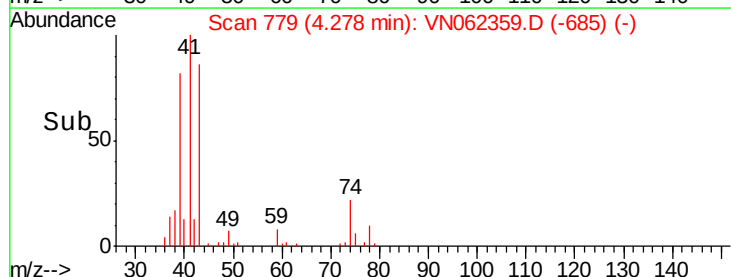
43 100

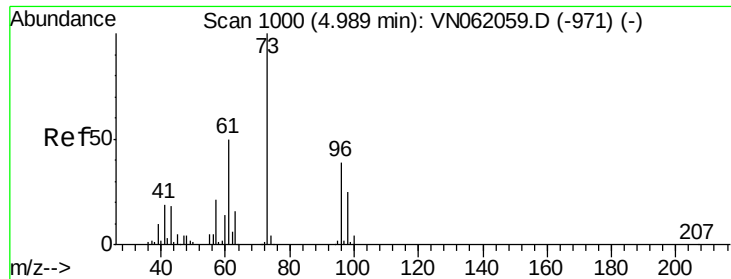
74 26.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VN062359.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN062359.D (-685) (-)





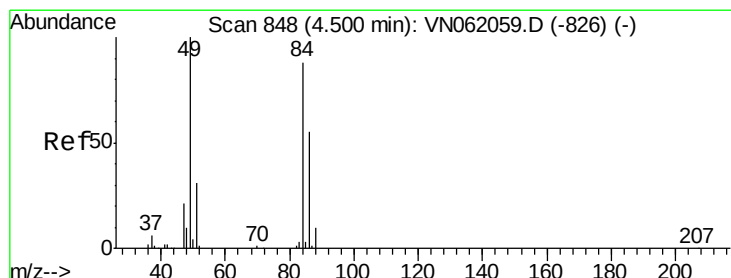
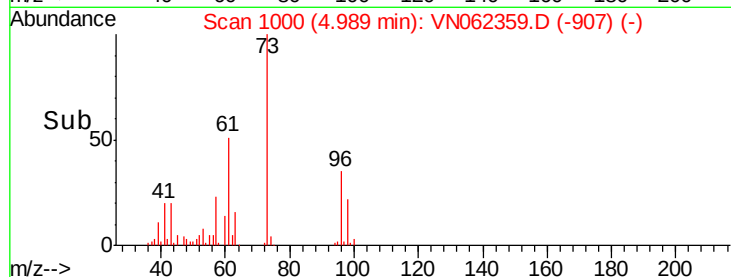
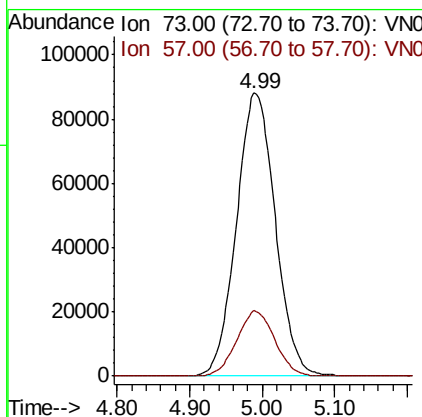
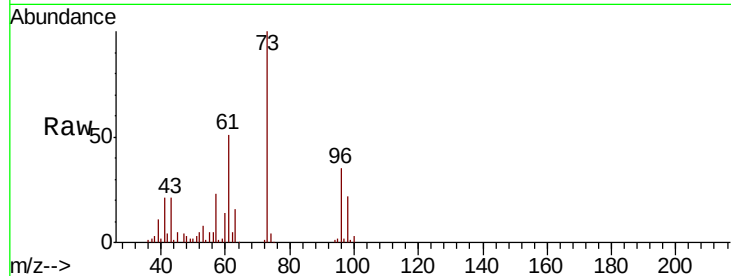
#19  
Methvl tert-butyl Ether  
Concen: 59.897 ug/l  
RT: 4.99 min Scan# 1000  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

Tot Ion: 73 Resp: 328473  
Ion Ratio Lower Upper  
73 100  
57 23.0 16.6 24.8

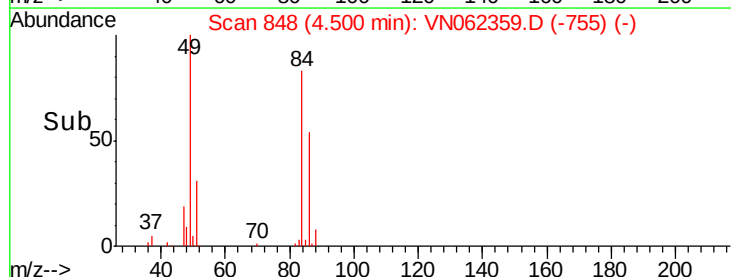
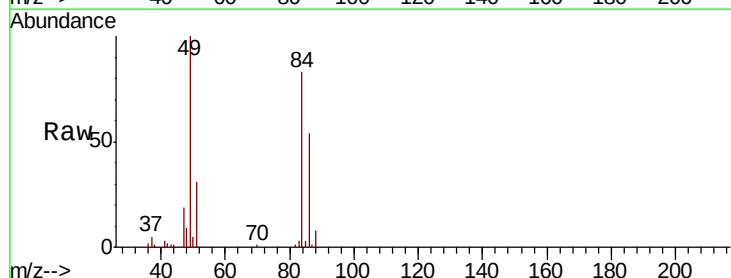
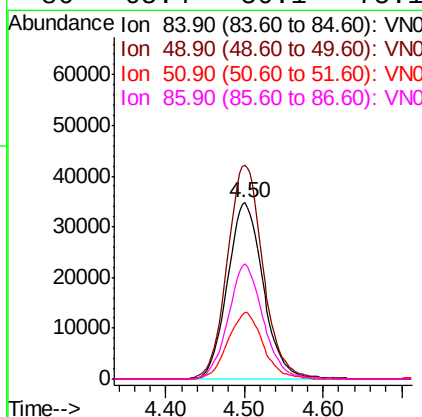
Manual Integrations  
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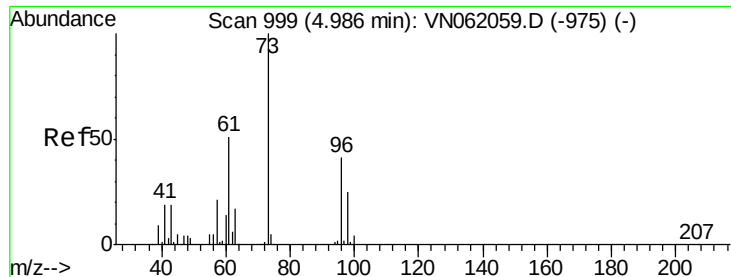
sam  
7/6/2020 11:34:30 AM



#20  
Methylene Chloride  
Concen: 57.095 ug/l  
RT: 4.50 min Scan# 848  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Tgt Ion: 84 Resp: 109875  
Ion Ratio Lower Upper  
84 100  
49 121.1 90.6 136.0  
51 37.6 27.8 41.8  
86 65.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 51.286 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

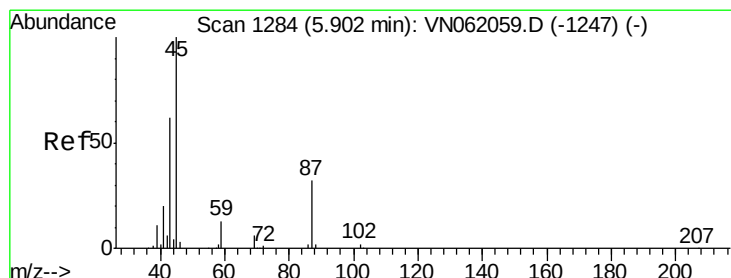
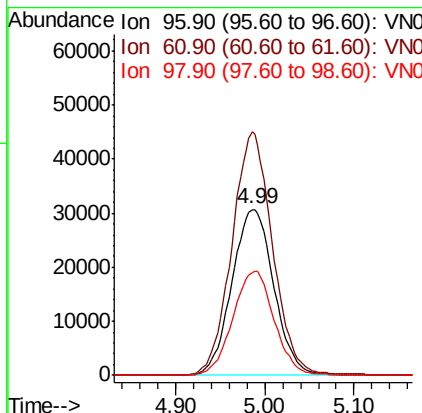
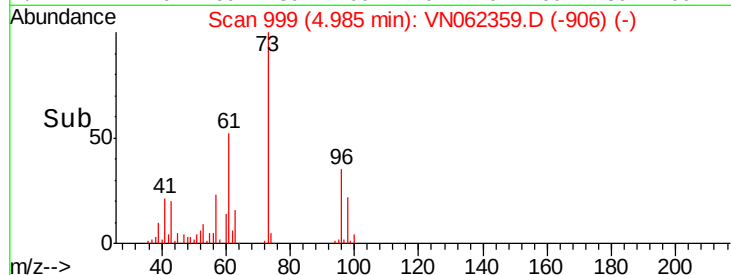
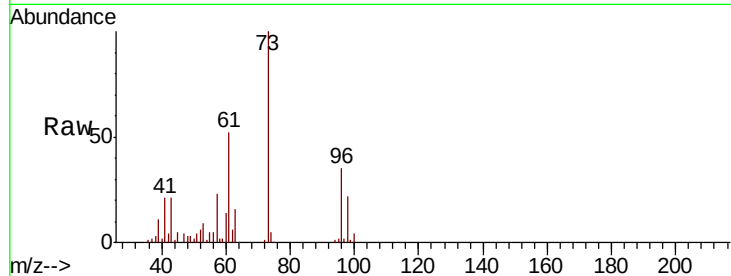
33BR-20200625MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 100269 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 146.3 | 101.4 | 152.2  |
| 98       | 62.1  | 49.3  | 73.9   |

Manual Integrations  
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#22

Diisopropyl ether

Concen: 62.723 ug/l

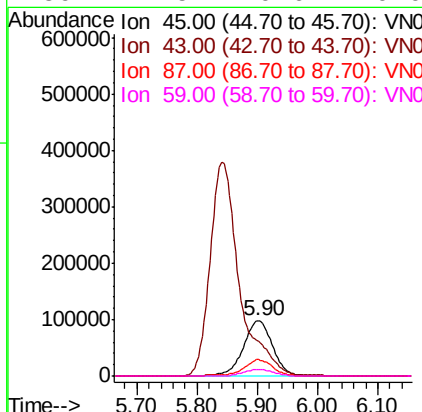
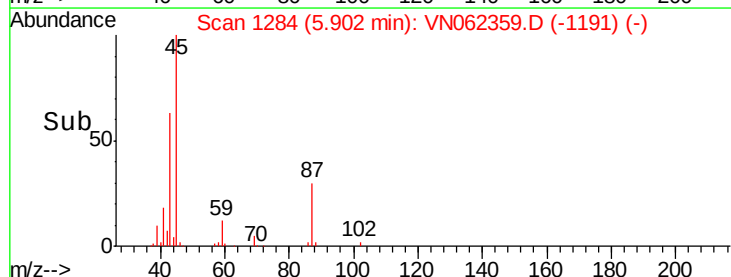
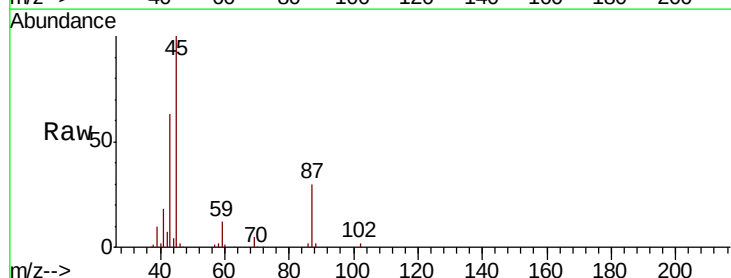
RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

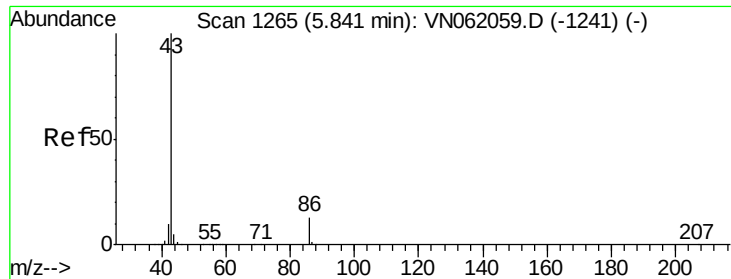
Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 333698 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 61.5  | 49.7  | 74.5   |
| 87       | 29.5  | 25.9  | 38.9   |
| 59       | 12.5  | 10.6  | 16.0   |







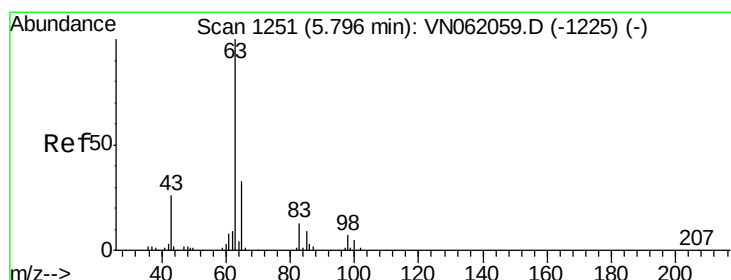
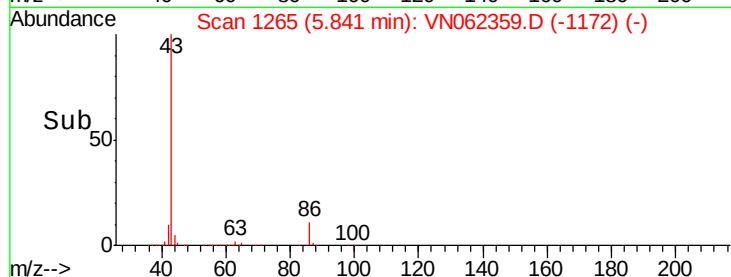
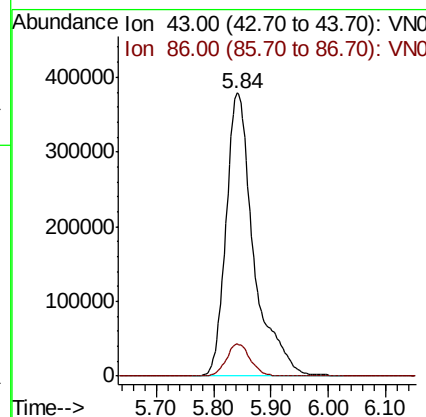
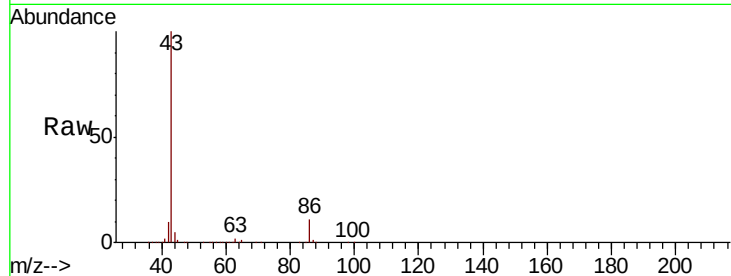
#23  
 Vinyl Acetate  
 Concen: 293.274 ug/l  
 RT: 5.84 min Scan# 1265  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

Tot Ion: 43 Resp: 1273877  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 10.1 15.1

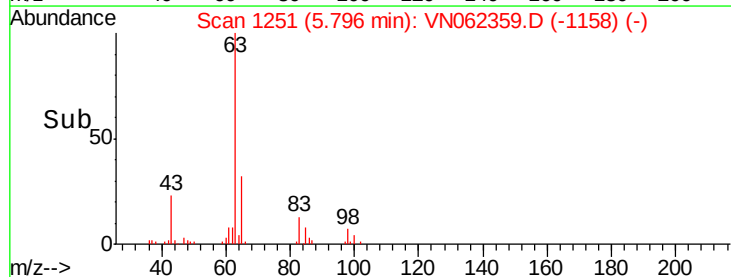
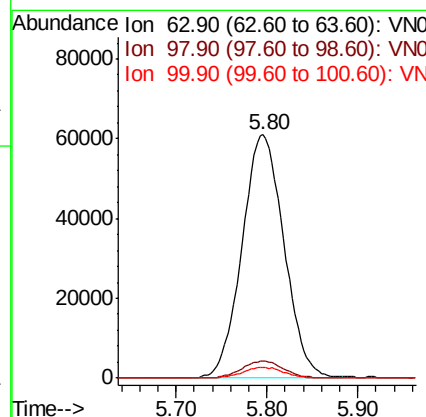
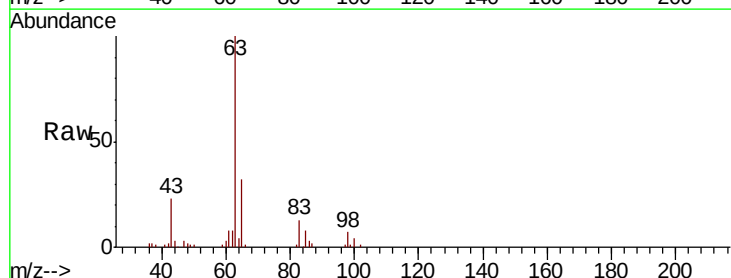
Manual Integrations  
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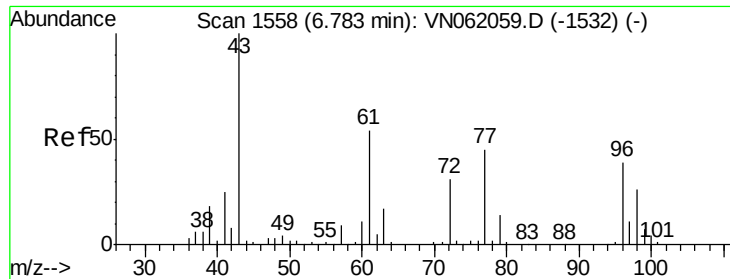
sam  
 7/6/2020 11:34:30 AM



#24  
 1,1-Dichloroethane  
 Concen: 57.068 ug/l  
 RT: 5.80 min Scan# 1251  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Tgt Ion: 63 Resp: 195511  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.6 10.9  
 100 4.3 2.4 7.1





#25

2-Butanone

Concen: 329.326 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Tot Ion: 43 Resp: 337632

Ion Ratio Lower Upper

43 100

72 28.7 24.8 37.2

Instrument :

MSVOA\_N

ClientSampleId :

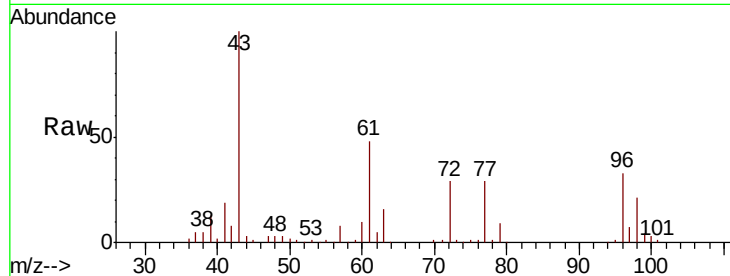
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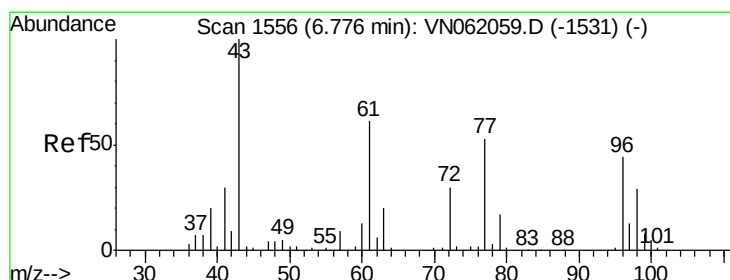
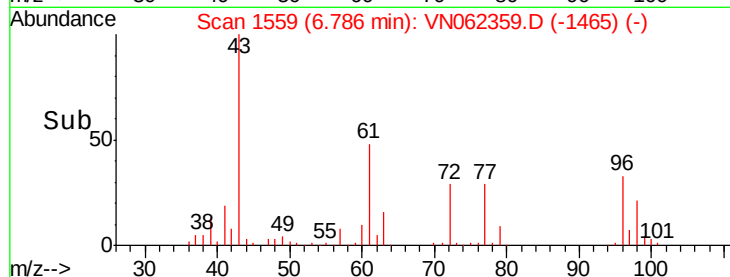
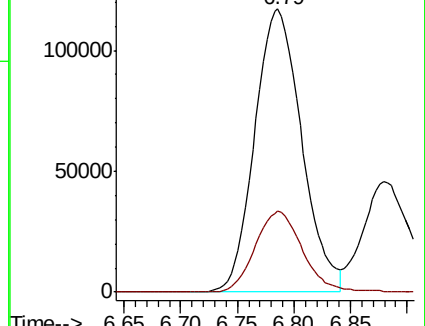
sam

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 44.946 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN062359.D

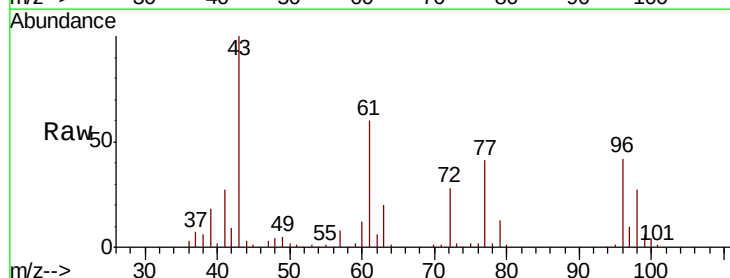
Acq: 3 Jul 2020 1:45

Tgt Ion: 77 Resp: 128313

Ion Ratio Lower Upper

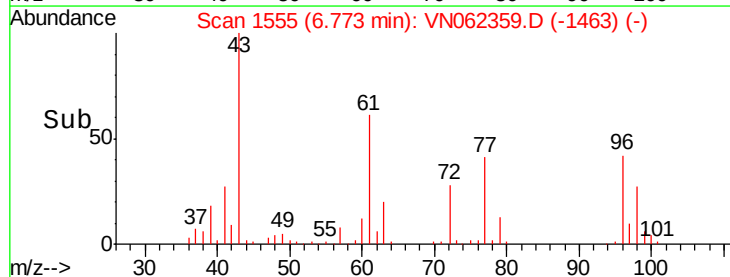
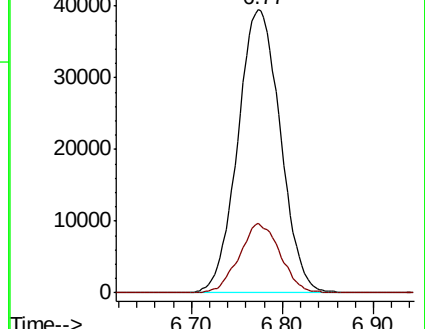
77 100

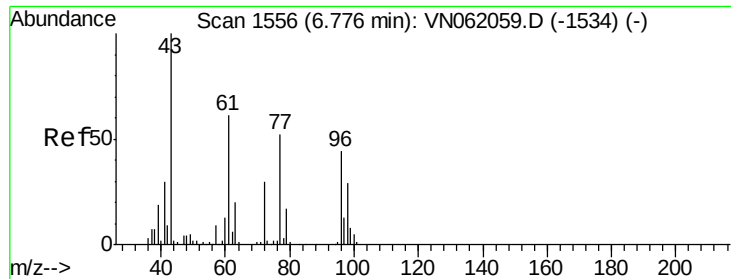
97 23.6 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 54.757 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

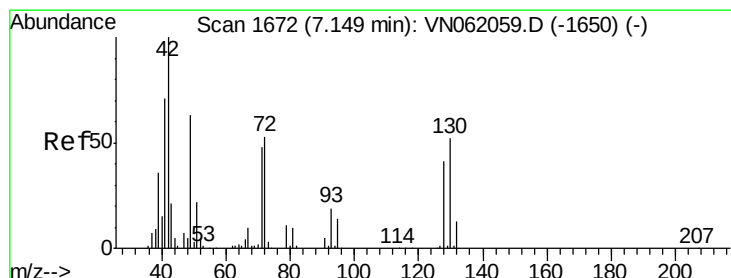
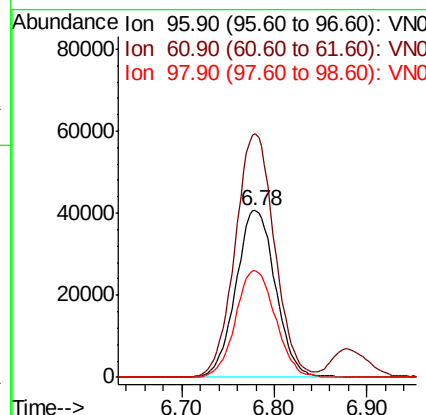
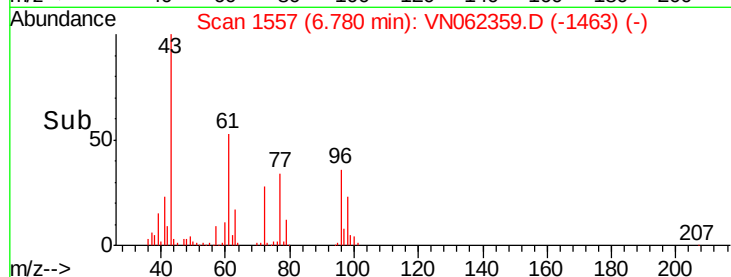
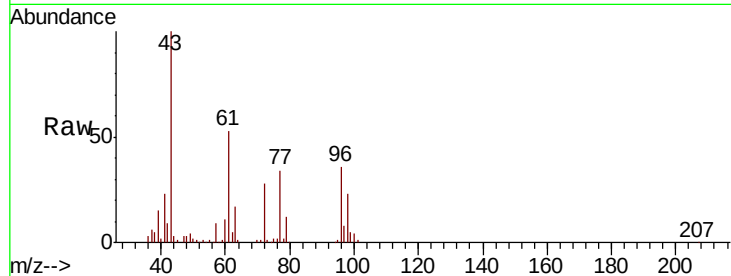
ClientSampleId :

33BR-20200625MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 120465 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 145.6 | 0.0   | 280.4  |
| 98        | 64.4  | 0.0   | 129.4  |

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#28

Bromochloromethane

Concen: 54.962 ug/l

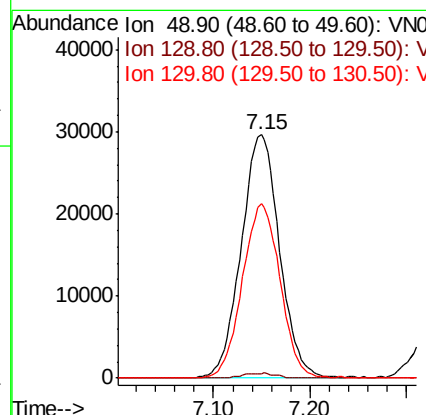
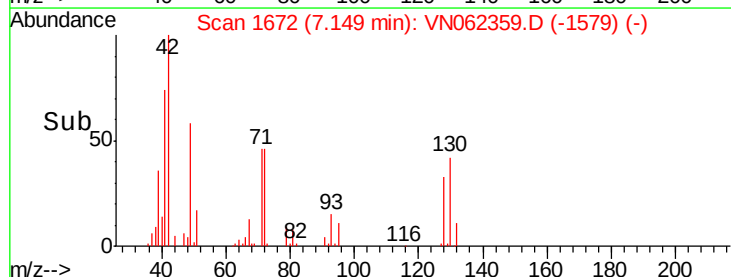
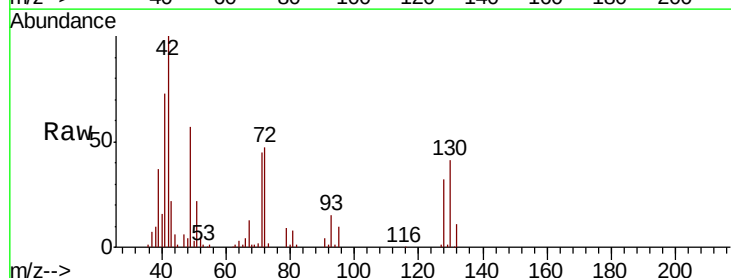
RT: 7.15 min Scan# 1672

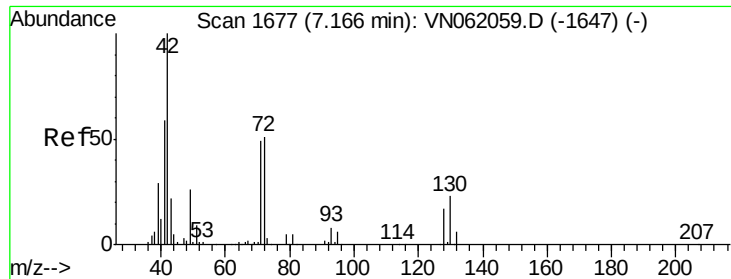
Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 49    | Resp: | 81697 |
| Ion Ratio | Lower | Upper |       |
| 49        | 100   |       |       |
| 129       | 0.8   | 0.0   | 4.4   |
| 130       | 70.3  | 65.5  | 98.3  |





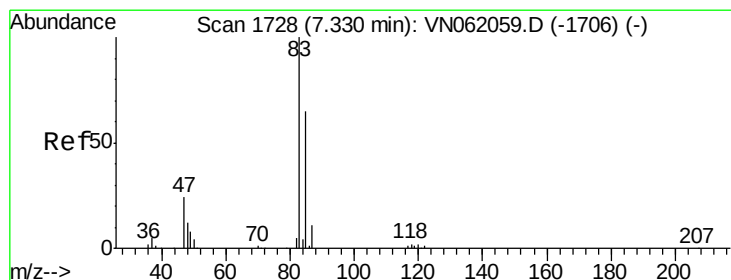
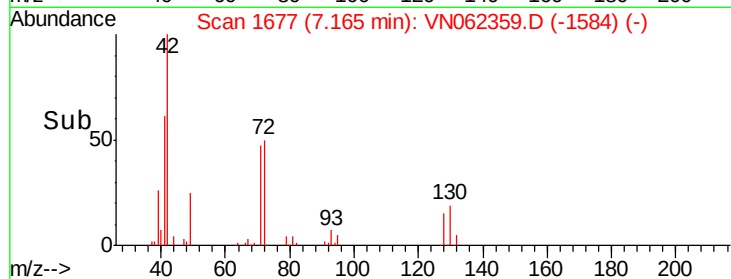
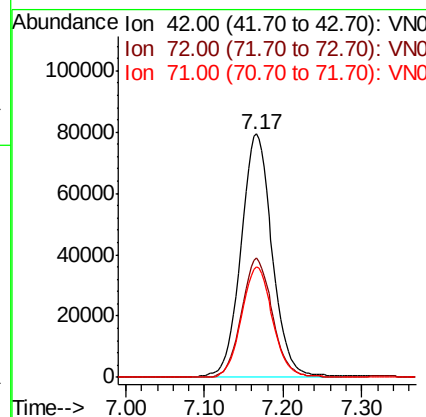
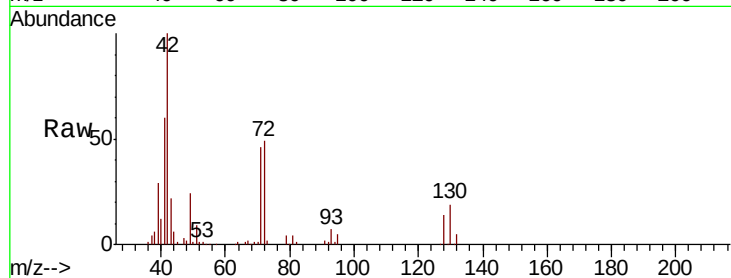
#29  
Tetrahydrofuran  
Concen: 326.584 ug/l  
RT: 7.17 min Scan# 1677  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.8  | 41.1  | 61.7  |
| 71      | 45.7  | 38.2  | 57.4  |

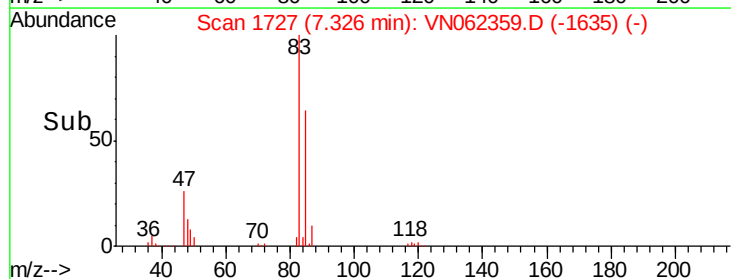
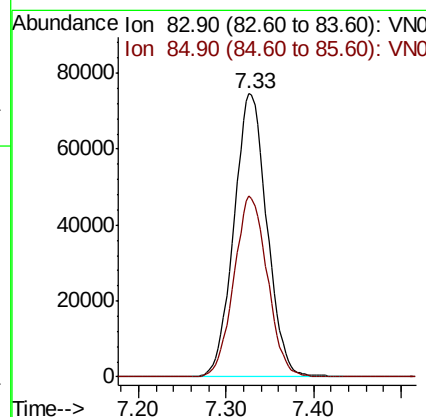
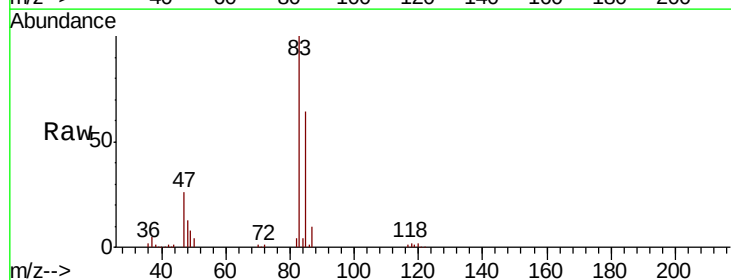
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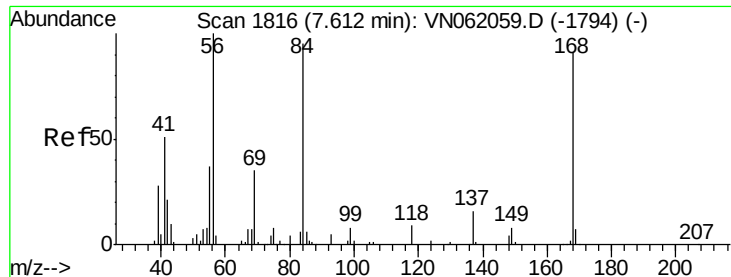
sam  
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#30  
Chloroform  
Concen: 56.057 ug/l  
RT: 7.33 min Scan# 1727  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.0  | 52.3  | 78.5  |





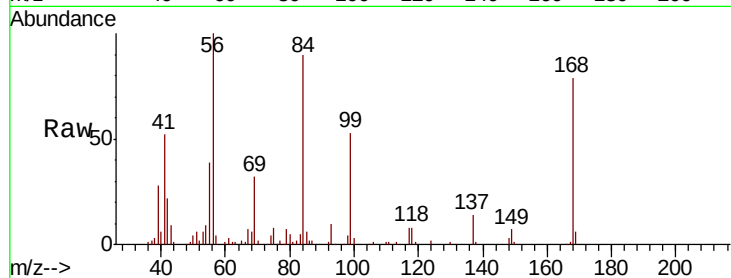
#31  
Cyclohexane  
Concen: 52.896 ug/l  
RT: 7.61 min Scan# 1816  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.9  | 28.0  | 42.0  |
| 84      | 88.8  | 76.1  | 114.1 |

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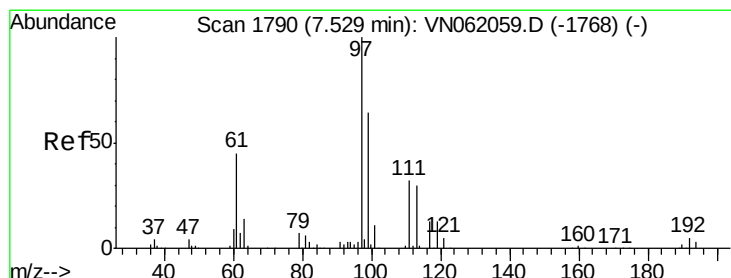
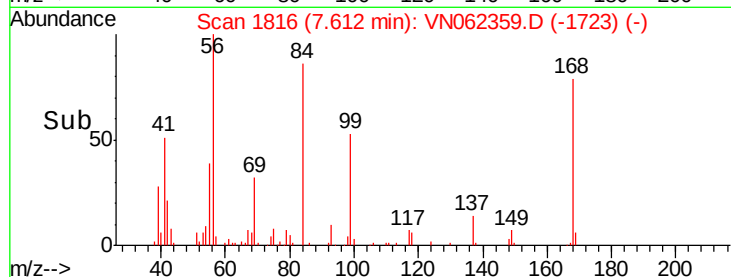
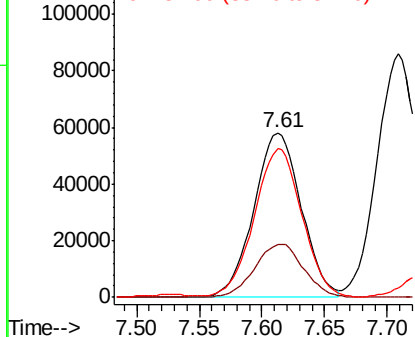


Abundance

Ion 56.00 (55.70 to 56.70): VN0

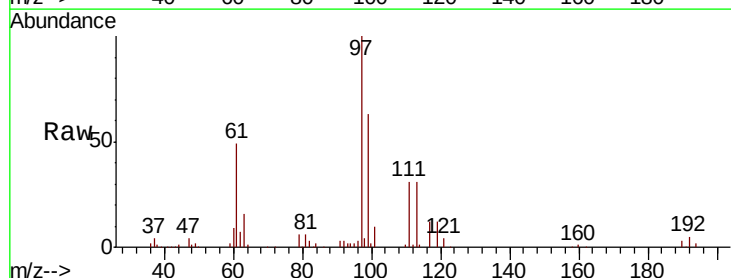
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32  
1,1,1-Trichloroethane  
Concen: 53.885 ug/l  
RT: 7.53 min Scan# 1790  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.5  | 51.0  | 76.4  |
| 61      | 48.9  | 36.2  | 54.2  |

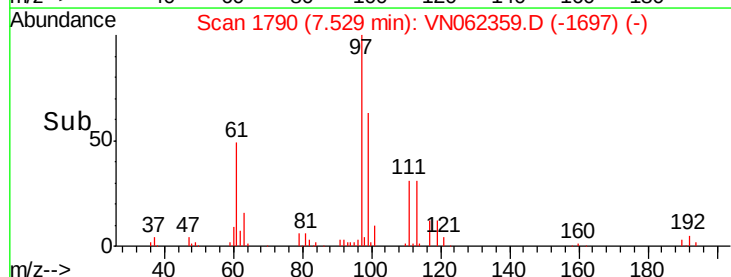
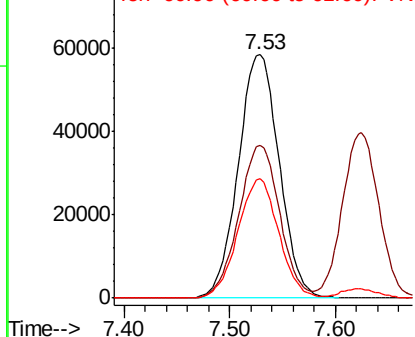


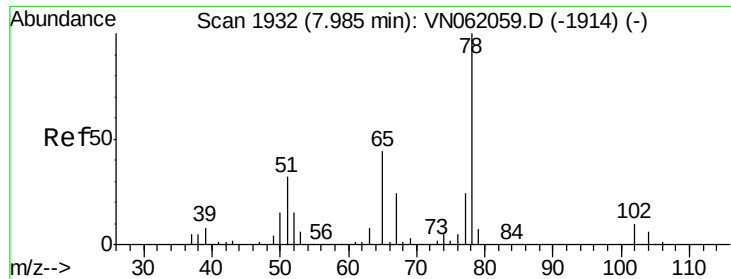
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





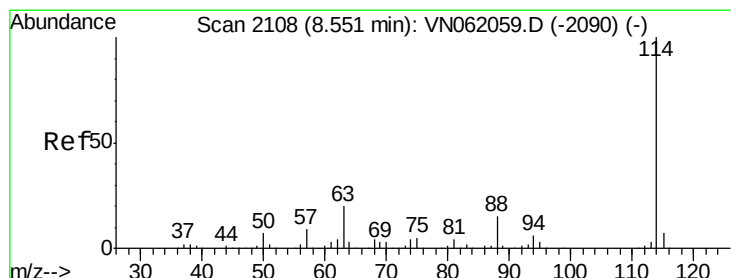
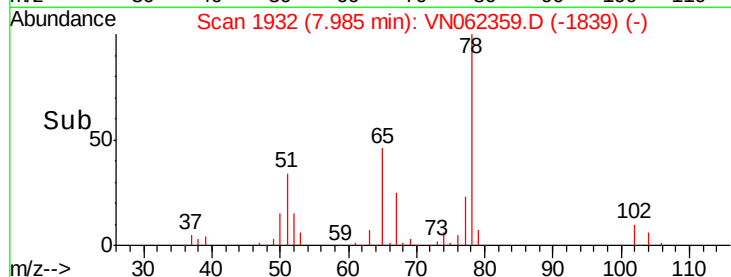
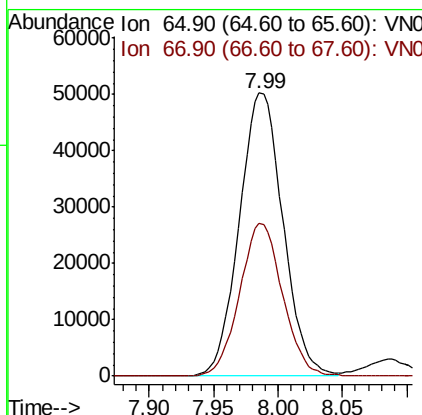
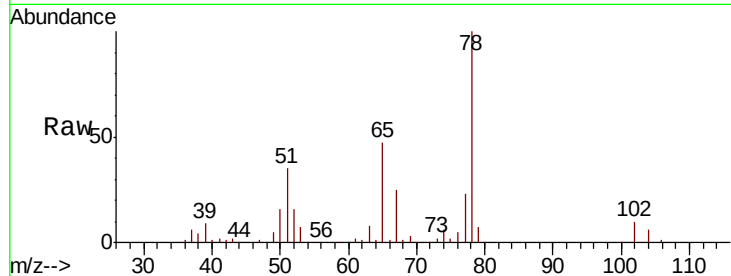
#33  
 1,2-Dichloroethane-d4  
 Concen: 56.508 ug/l  
 RT: 7.99 min Scan# 1932  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 118524 |       |       |
| 67      | 53.0  | 0.0    | 106.2 |       |

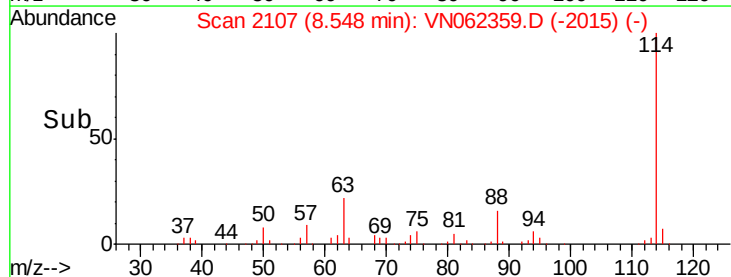
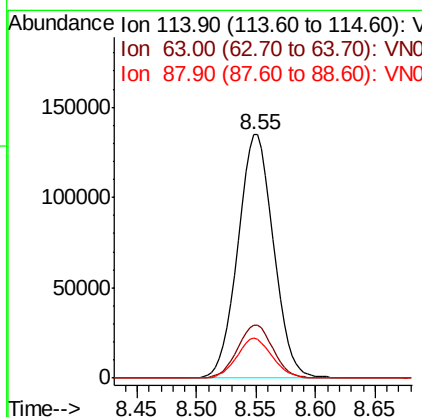
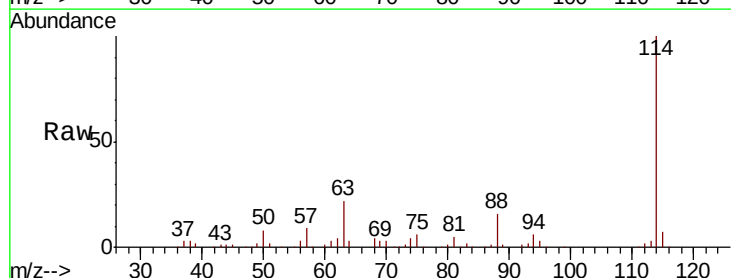
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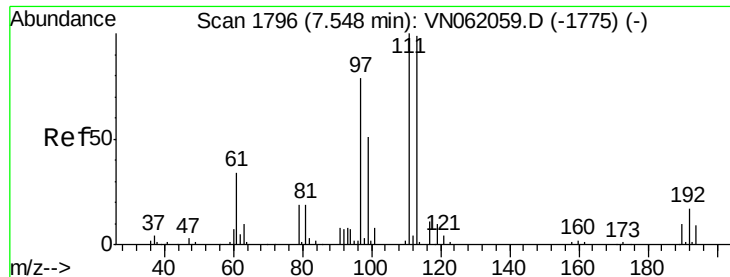
sam  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 280041 |       |       |
| 63      | 21.8  | 0.0    | 39.2  |       |
| 88      | 16.3  | 0.0    | 30.8  |       |





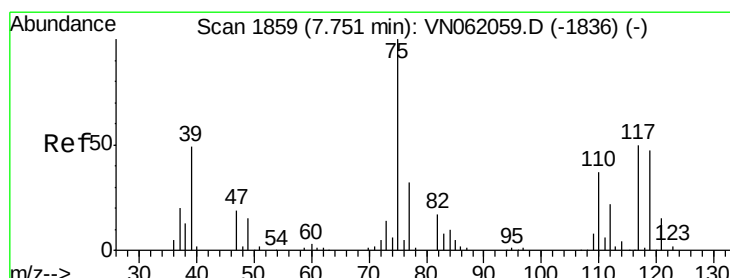
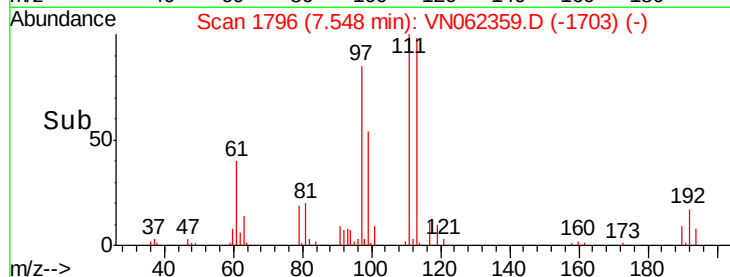
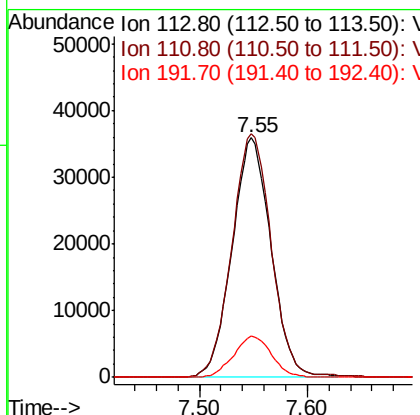
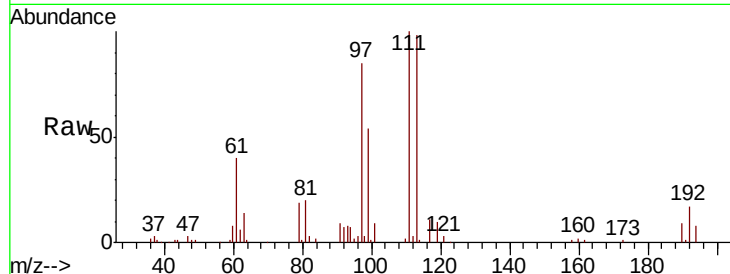
#35  
Dibromofluoromethane  
Concen: 50.216 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 103.0 | 82.2 | 123.4 |       |
| 192     | 16.7  | 14.0 | 21.0  |       |

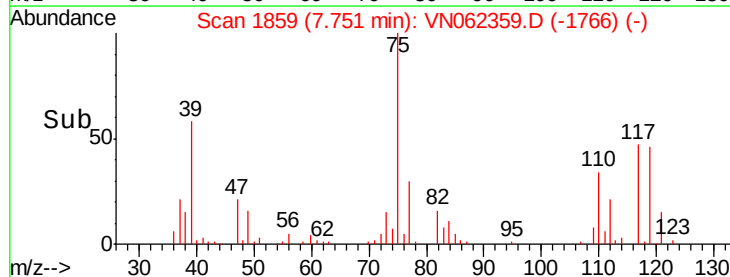
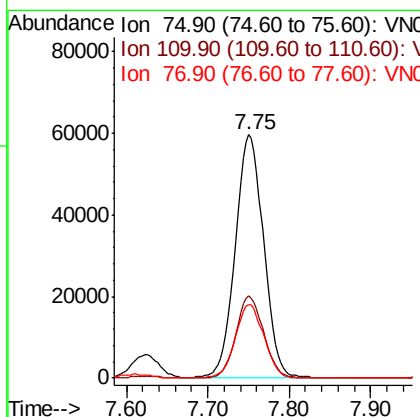
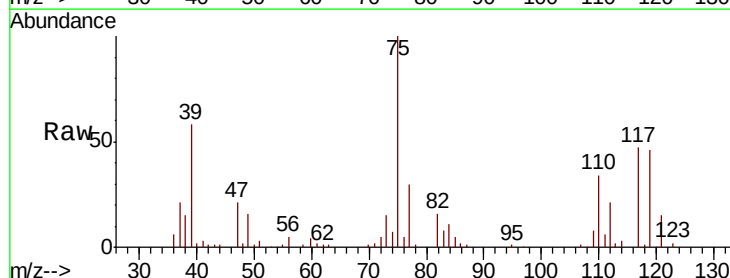
Manual Integrations  
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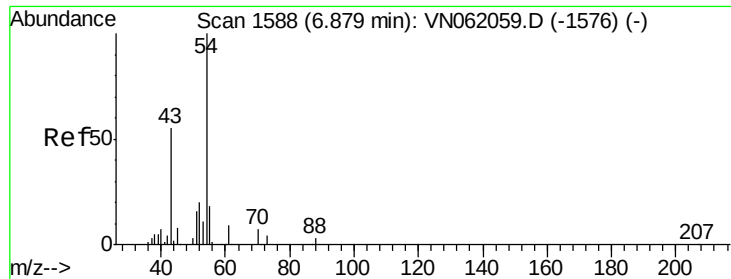
sam  
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#36  
1,1-Dichloropropene  
Concen: 51.294 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 32.9  | 17.9 | 53.8  |       |
| 77      | 30.5  | 24.9 | 37.3  |       |





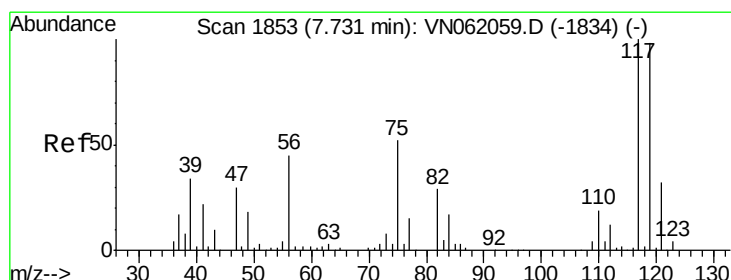
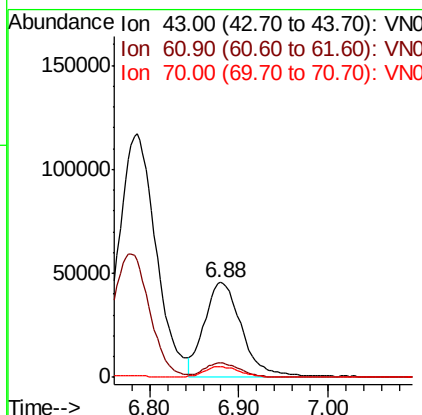
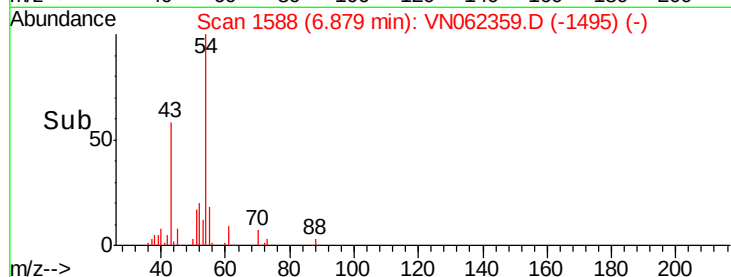
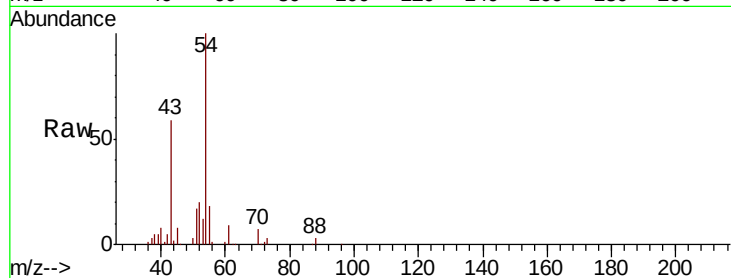
#37  
Ethyl Acetate  
Concen: 56.499 ug/l  
RT: 6.88 min Scan# 1588  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion   | 43   | Resp  | 131689 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 100  |       |        |
| 61        | 15.0 | 12.0  | 18.0   |
| 70        | 11.1 | 9.6   | 14.4   |

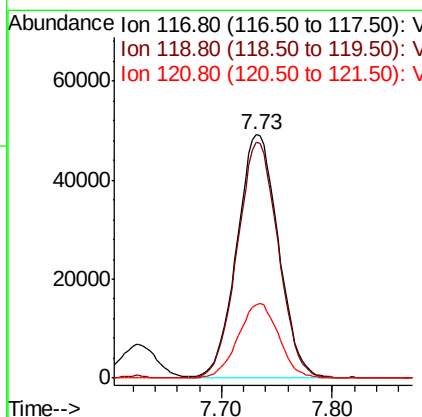
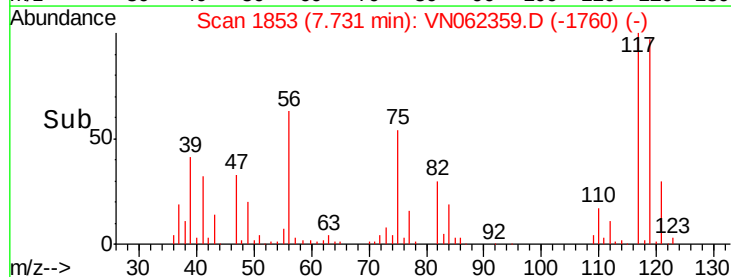
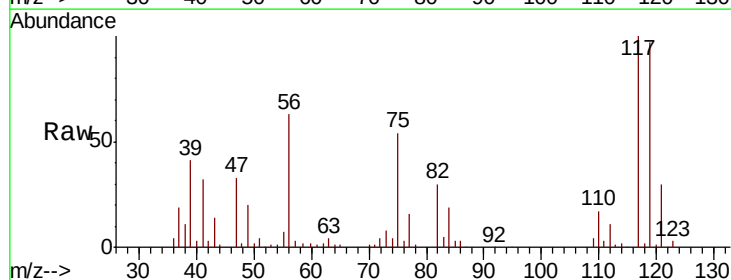
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sam  
7/6/2020 11:34:30 AM

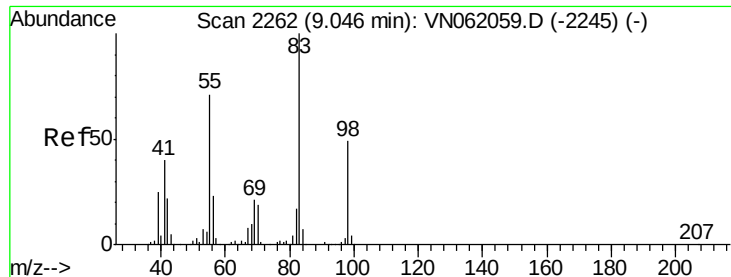


#38  
Carbon Tetrachloride  
Concen: 48.381 ug/l  
RT: 7.73 min Scan# 1853  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion   | 117  | Resp  | 128392 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 117       | 100  |       |        |
| 119       | 97.0 | 78.2  | 117.2  |
| 121       | 30.4 | 25.8  | 38.6   |







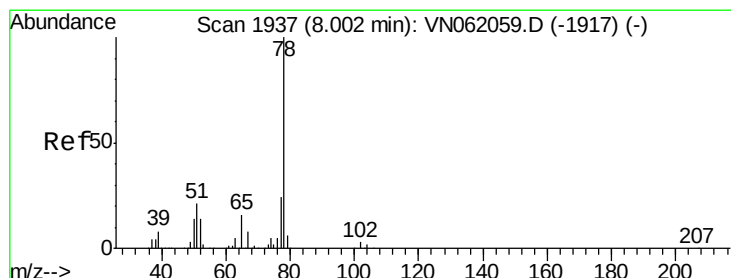
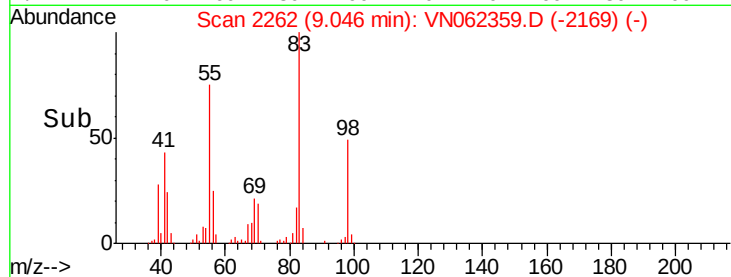
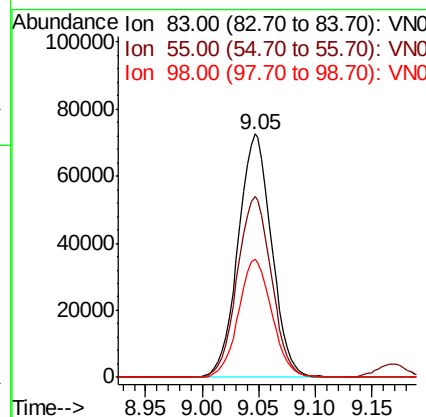
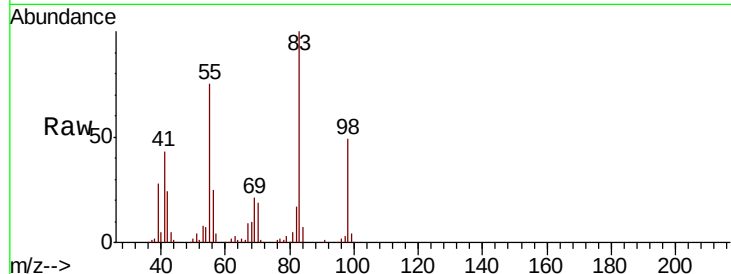
#39  
Methylvlcyclohexane  
Concen: 48.511 ug/l  
RT: 9.05 min Scan# 2262  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 83      | 100   |      |       |       |
| 55      | 74.5  | 57.0 | 85.6  |       |
| 98      | 48.8  | 39.0 | 58.6  |       |

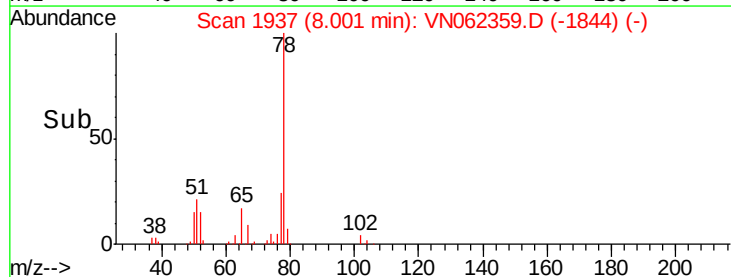
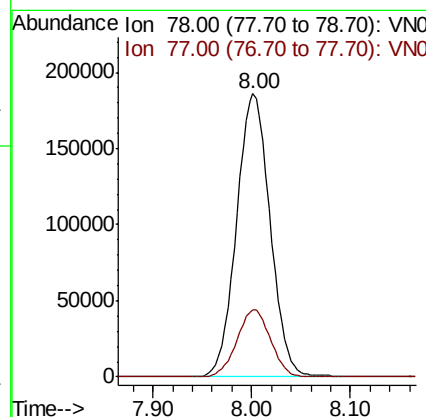
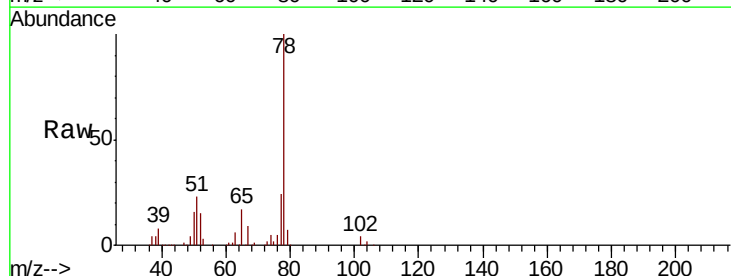
Manual Integrations  
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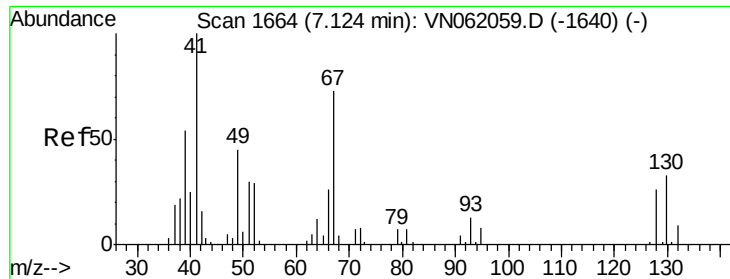
sam  
7/6/2020 11:34:30 AM



#40  
Benzene  
Concen: 51.178 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 78      | 100   |      |       |       |
| 77      | 23.9  | 19.5 | 29.3  |       |





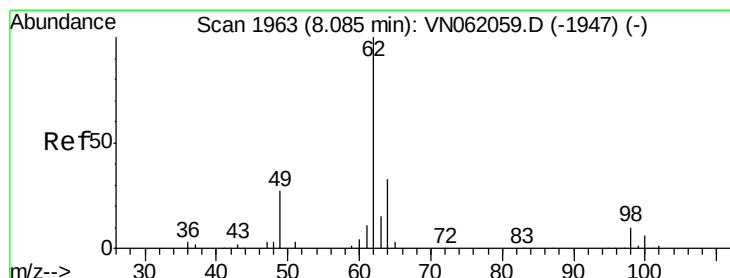
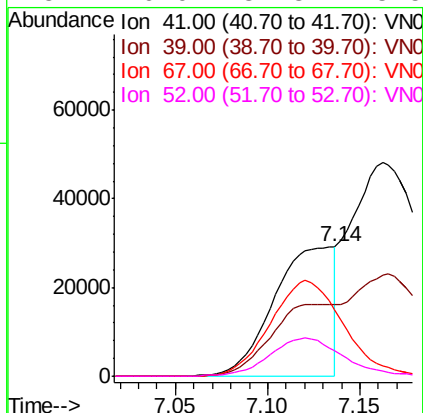
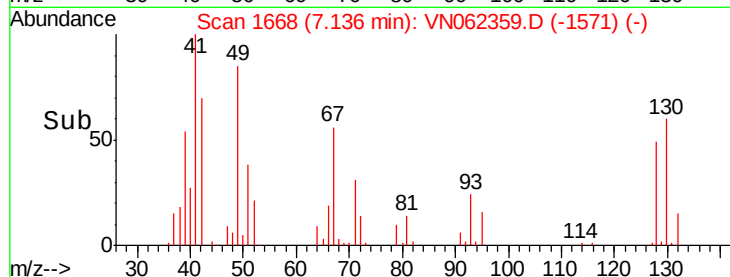
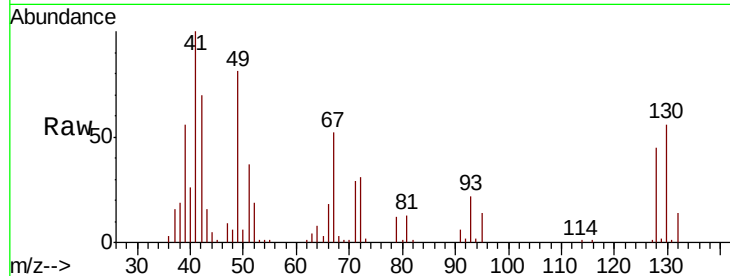
#41  
Methacrylonitrile  
Concen: 62.013 ug/l m  
RT: 7.14 min Scan# 1668  
Delta R.T. 0.01 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 41      | 100   |       |        |
| 39      | 0.0   | 44.2  | 66.2#  |
| 67      | 0.0   | 79.5  | 119.3# |
| 52      | 0.0   | 32.3  | 48.5#  |

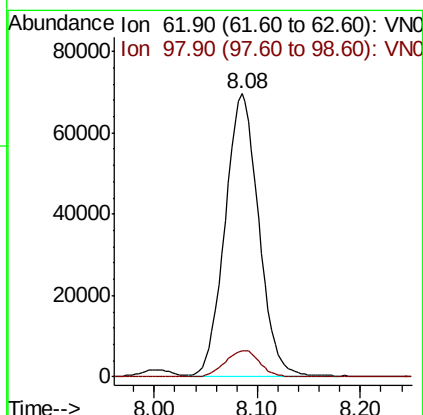
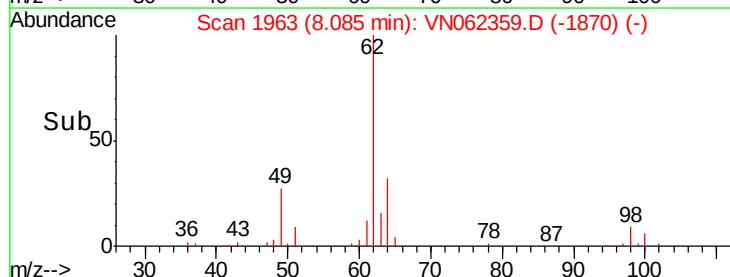
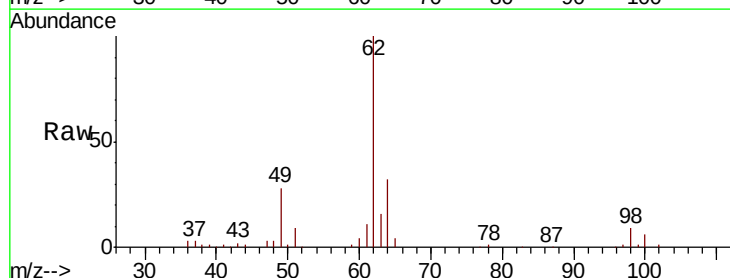
Manual Integrations  
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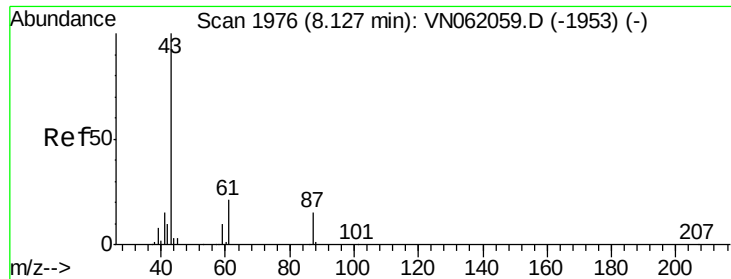
sam  
7/6/2020 11:34:30 AM



#42  
1,2-Dichloroethane  
Concen: 54.388 ug/l  
RT: 8.08 min Scan# 1963  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.5   | 0.0   | 19.8  |





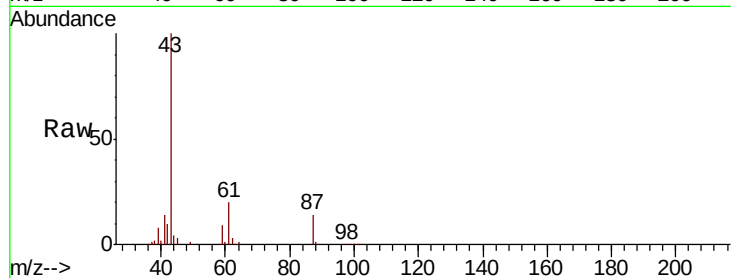
#43  
Isopropyl Acetate  
Concen: 56.604 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

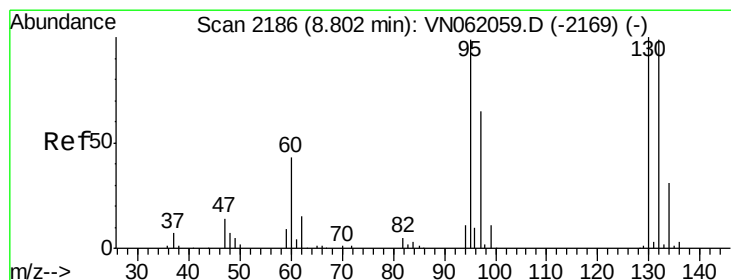
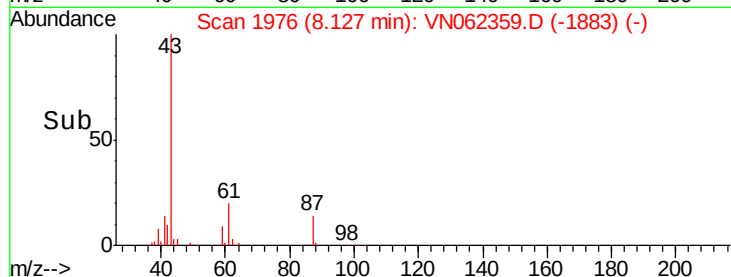
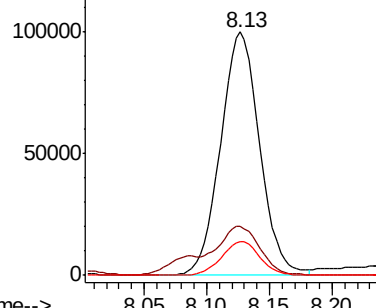
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.6  | 17.2  | 25.8  |
| 87      | 13.7  | 12.1  | 18.1  |

Manual Integrations  
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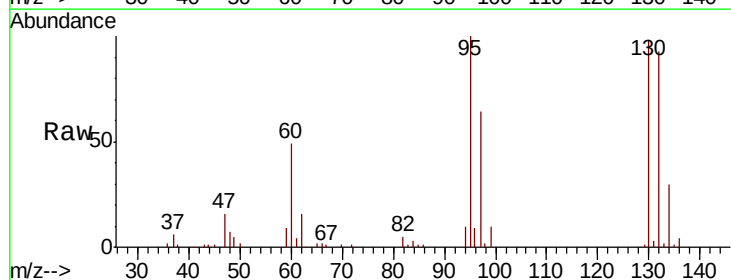


Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-1953) (-)  
Ion 61.00 (60.70 to 61.70): VN062059.D (-1953) (-)  
Ion 87.00 (86.70 to 87.70): VN062059.D (-1953) (-)

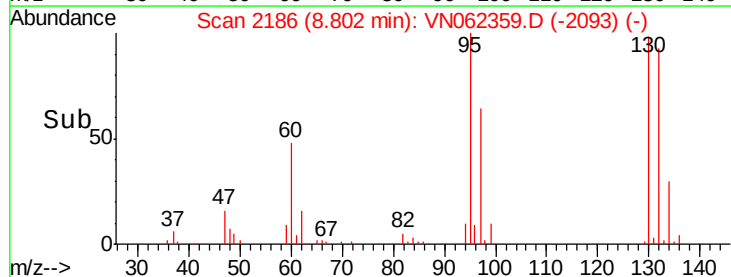
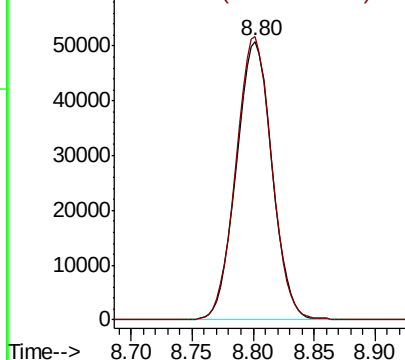


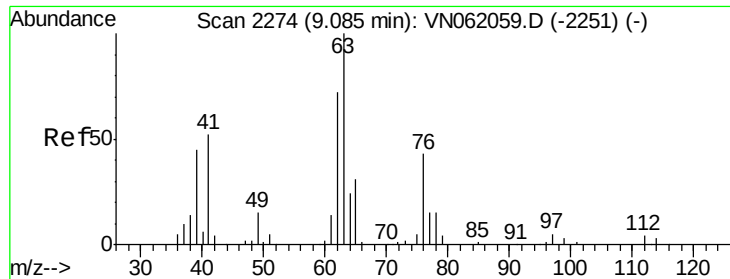
#44  
Trichloroethene  
Concen: 47.704 ug/l  
RT: 8.80 min Scan# 2186  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.7 | 0.0   | 197.8 |



Abundance Ion 129.80 (129.50 to 130.50): VN062059.D (-2169) (-)  
Ion 94.90 (94.60 to 95.60): VN062059.D (-2169) (-)





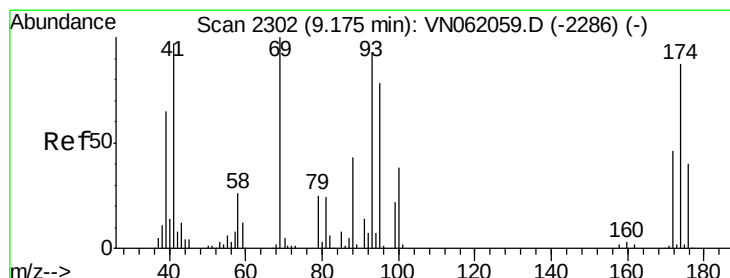
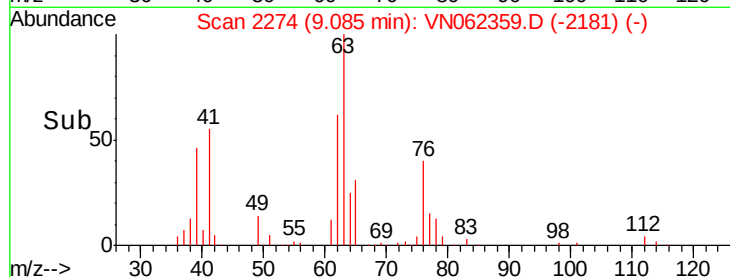
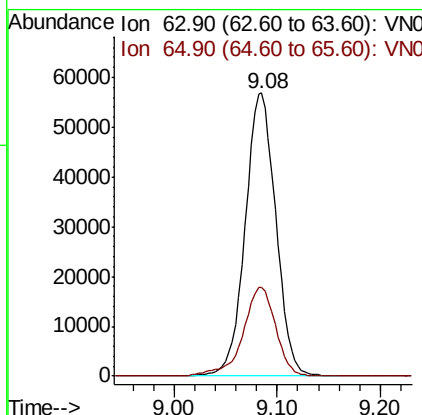
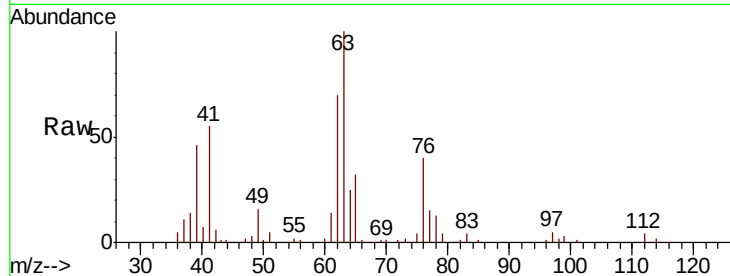
#45  
 1,2-Dichloropropane  
 Concen: 55.406 ug/l  
 RT: 9.08 min Scan# 2274  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

Tot Ion: 63 Resp: 117273  
 Ion Ratio Lower Upper  
 63 100  
 65 31.6 25.0 37.4

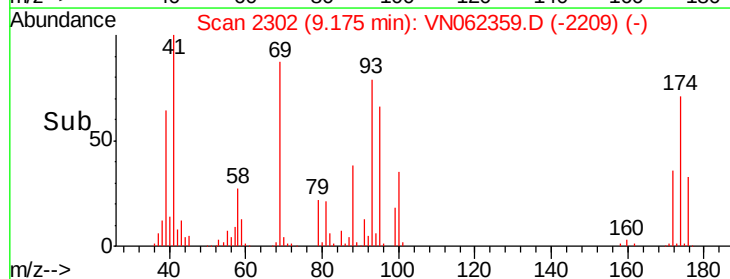
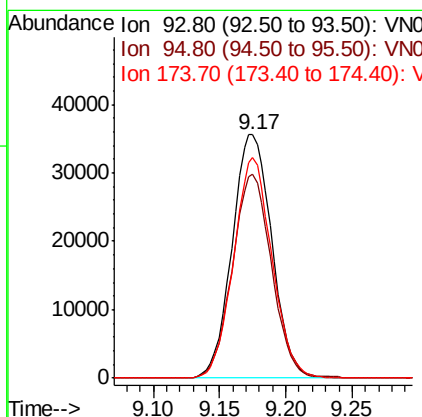
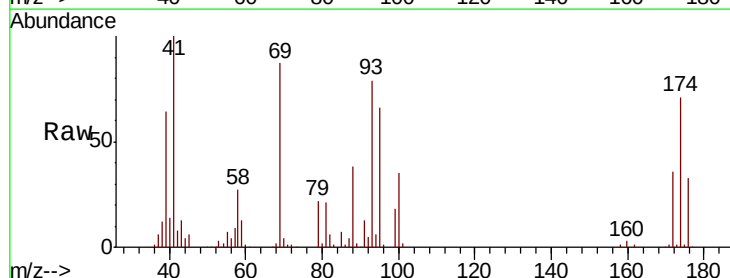
Manual Integrations  
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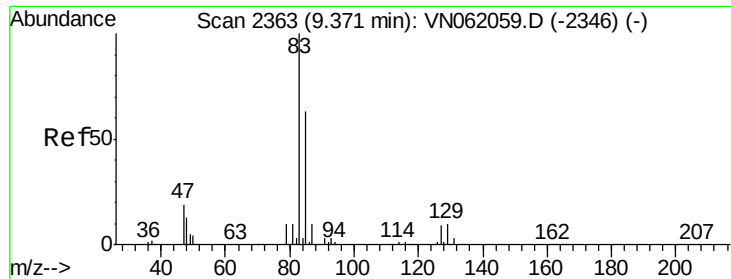
sam  
 7/6/2020 11:34:30 AM



#46  
 Dibromomethane  
 Concen: 51.552 ug/l  
 RT: 9.17 min Scan# 2302  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Tgt Ion: 93 Resp: 73980  
 Ion Ratio Lower Upper  
 93 100  
 95 82.6 67.0 100.6  
 174 87.5 74.4 111.6





#47

Bromodichloromethane

Concen: 53.978 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

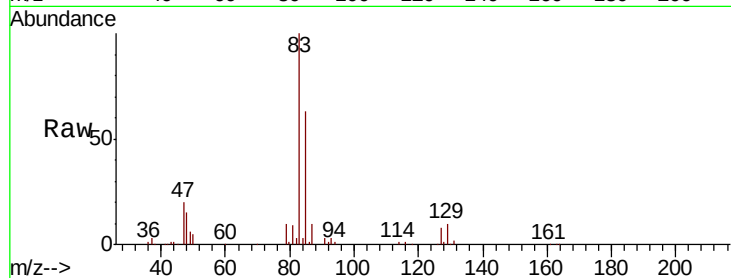
33BR-20200625MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 156407 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.6  | 50.3  | 75.5   |
| 127      | 7.8   | 6.9   | 10.3   |

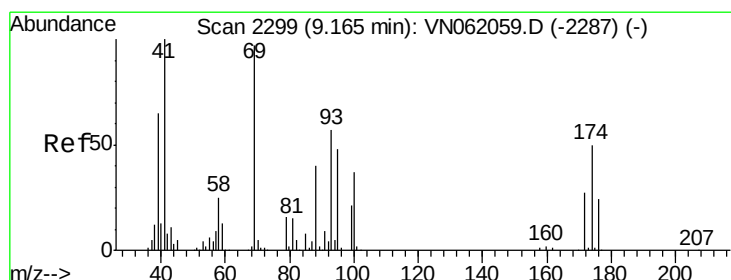
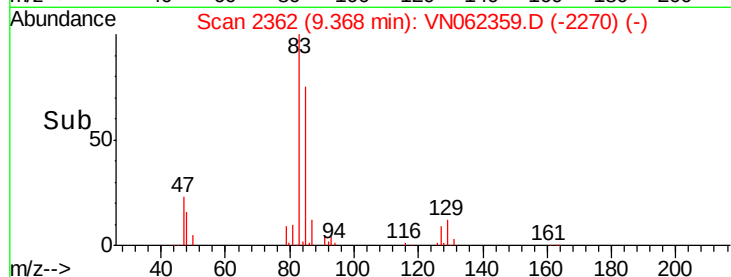
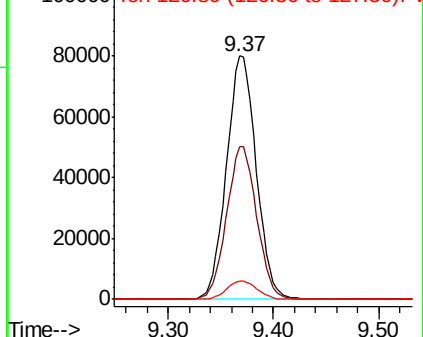
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Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 64.254 ug/l

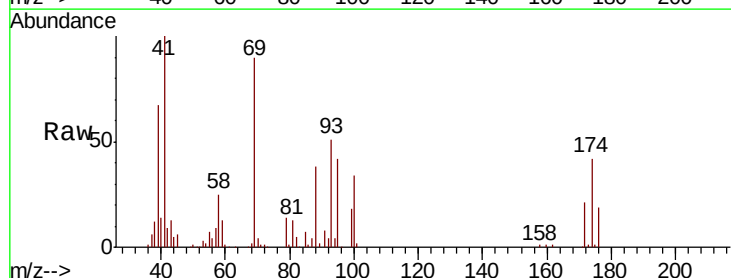
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

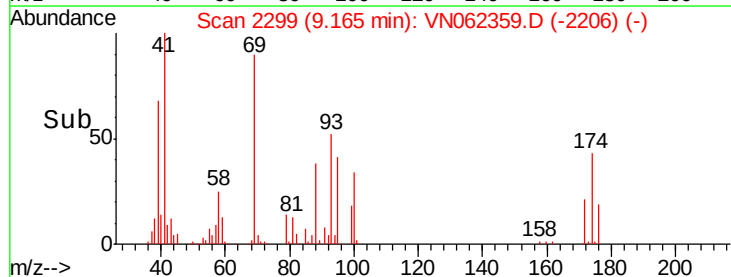
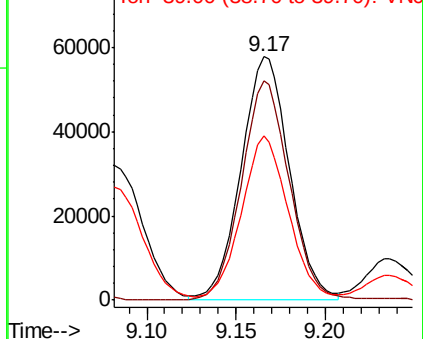
Lab File: VN062359.D

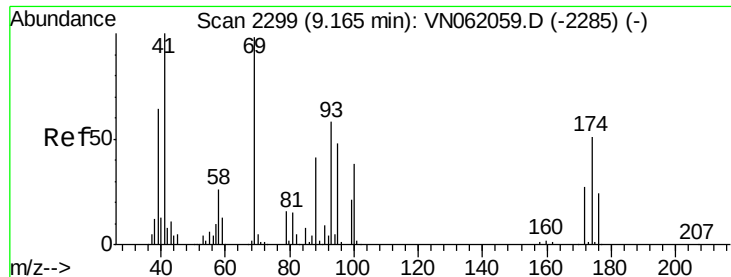
Acq: 3 Jul 2020 1:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 109466 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 89.6  | 80.7  | 121.1  |
| 39       | 66.0  | 54.5  | 81.7   |



Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0





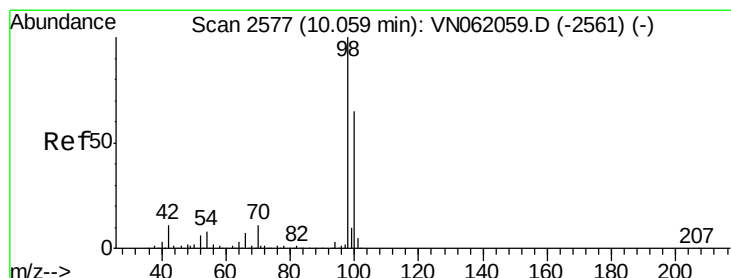
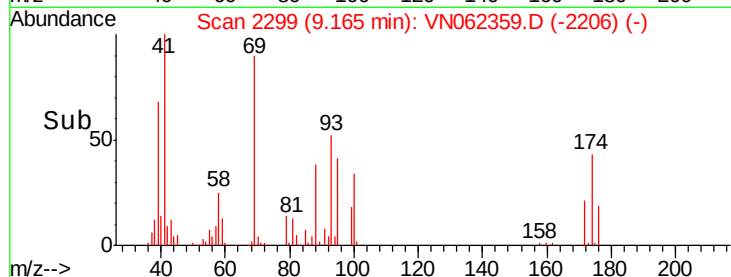
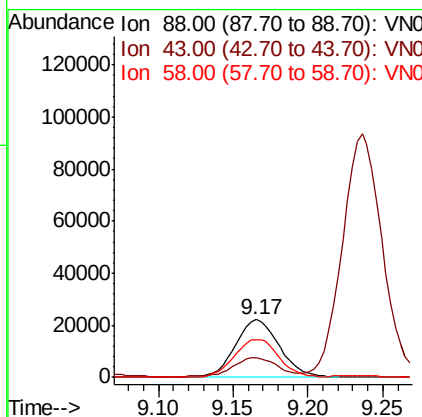
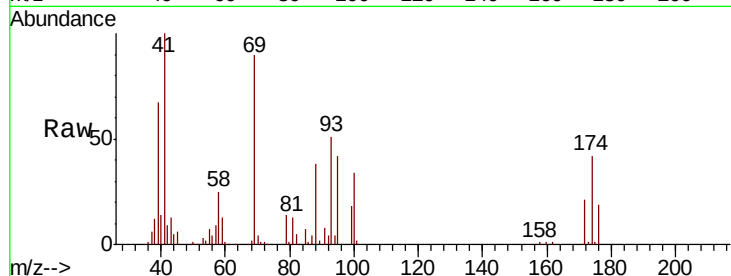
#49  
1,4-Dioxane  
Concen: 1203.635 ug/l  
RT: 9.17 min Scan# 2299  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion   | 88    | Resp  | 45474 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 32.7  | 22.0  | 33.0  |
| 58        | 66.8  | 49.2  | 73.8  |

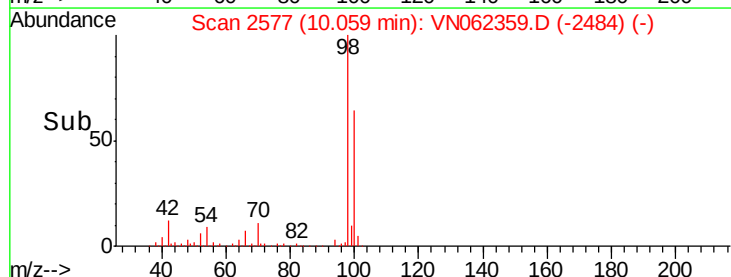
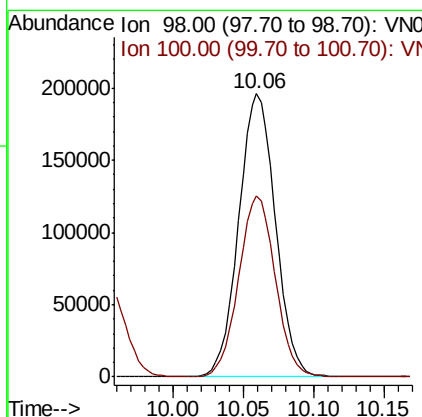
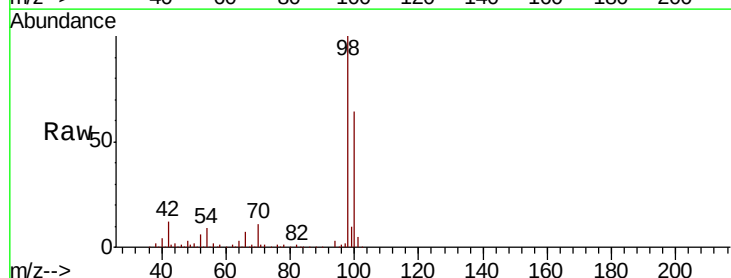
Manual Integrations  
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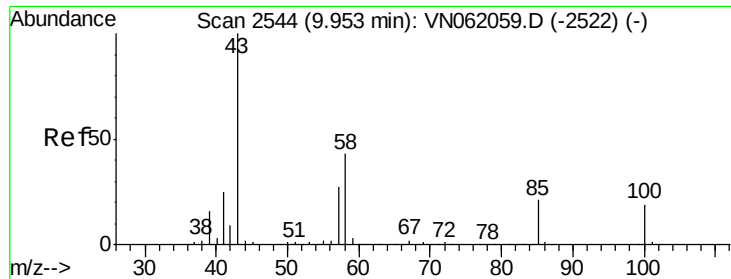
sam  
7/6/2020 11:34:30 AM



#50  
Toluene-d8  
Concen: 49.880 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion   | 98    | Resp  | 358218 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 63.7  | 51.2  | 76.8   |





#51

4-Methyl-2-Pentanone

Concen: 317.987 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

33BR-20200625MSD

Tot Ion: 43 Resp: 705921

Ion Ratio Lower Upper

43 100

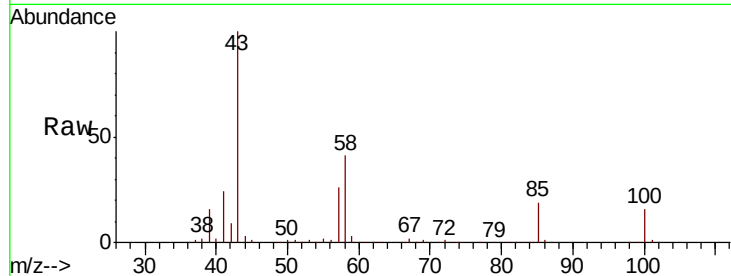
58 41.0 34.2 51.2

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sam

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Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

9.95

400000

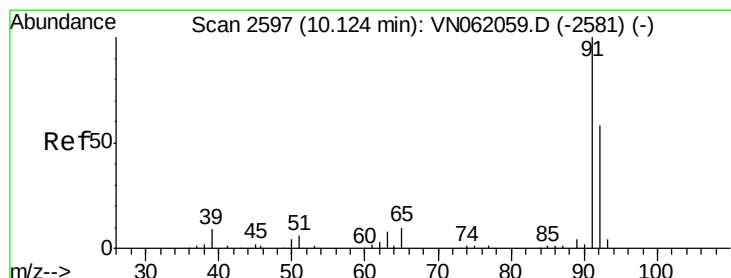
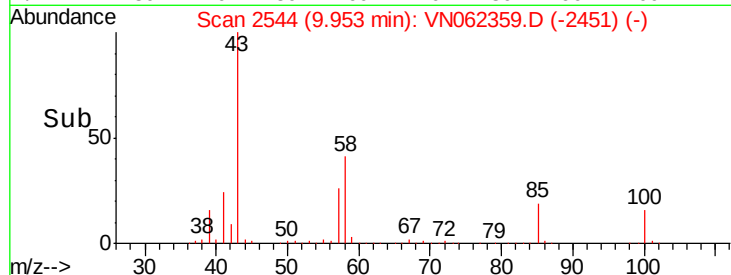
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.606 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062359.D

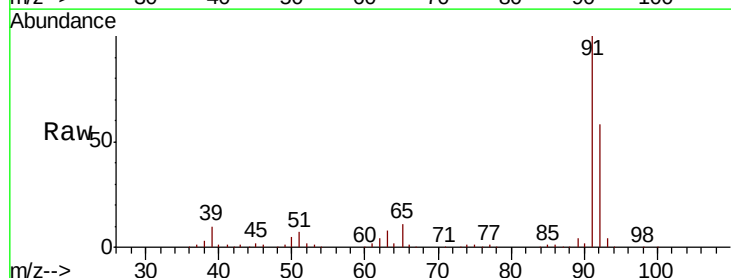
Acq: 3 Jul 2020 1:45

Tgt Ion: 92 Resp: 275383

Ion Ratio Lower Upper

92 100

91 173.0 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

10.12

300000

250000

200000

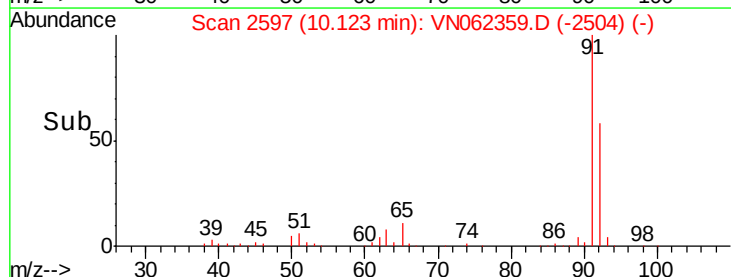
150000

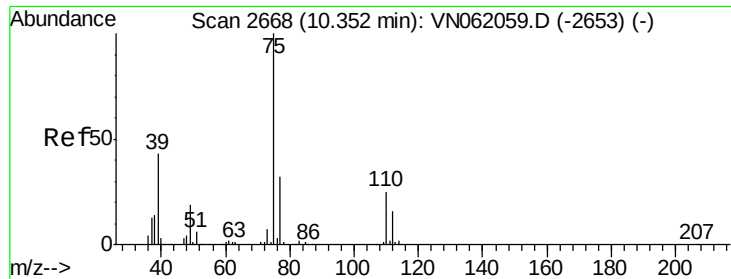
100000

50000

0

Time-->





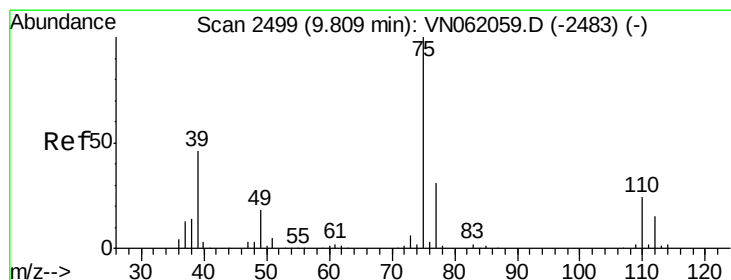
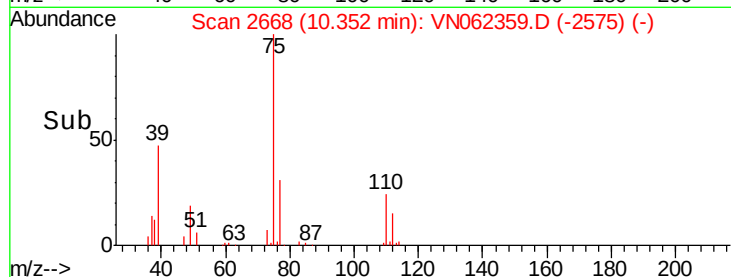
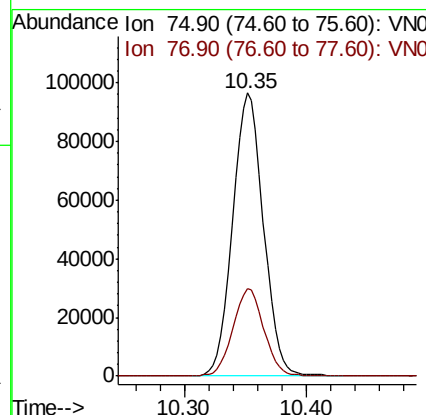
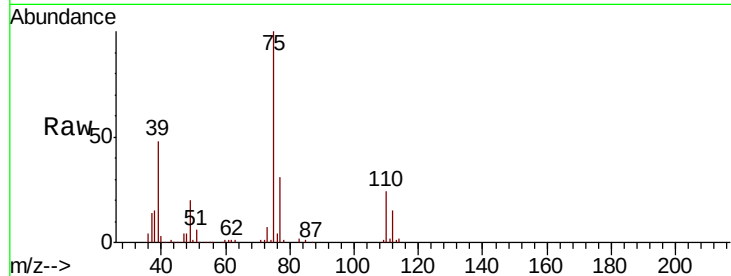
#53  
 t-1,3-Dichloropropene  
 Concen: 53.297 ug/l  
 RT: 10.35 min Scan# 2668  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.9  | 25.5  | 38.3  |

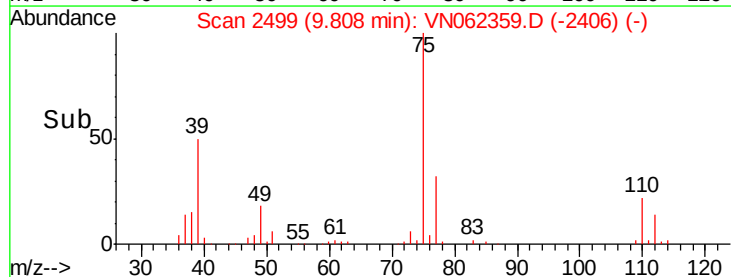
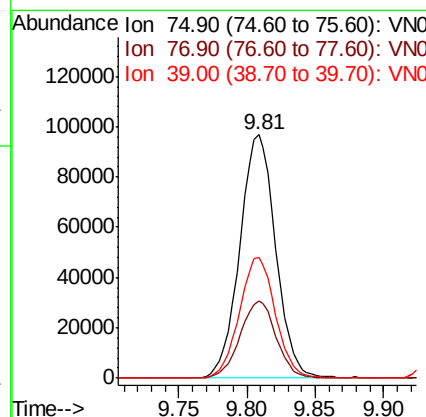
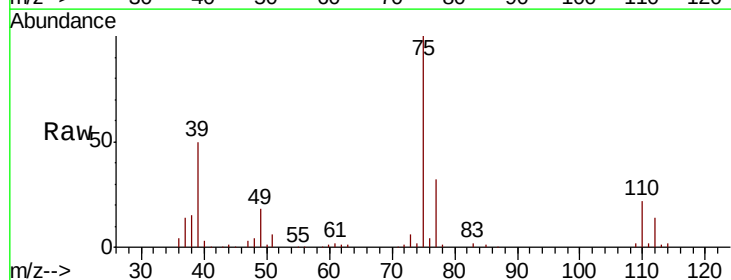
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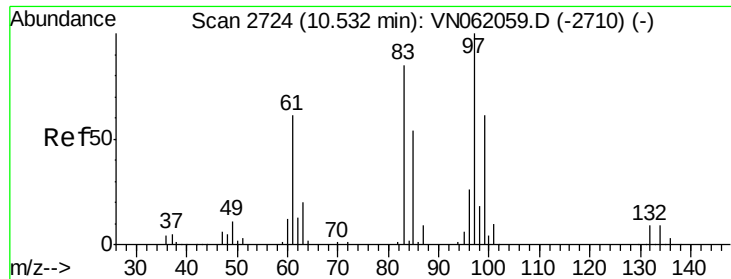


#54  
 cis-1,3-Dichloropropene  
 Concen: 52.143 ug/l  
 RT: 9.81 min Scan# 2499  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.8  | 25.0  | 37.6  |
| 39      | 49.6  | 36.9  | 55.3  |







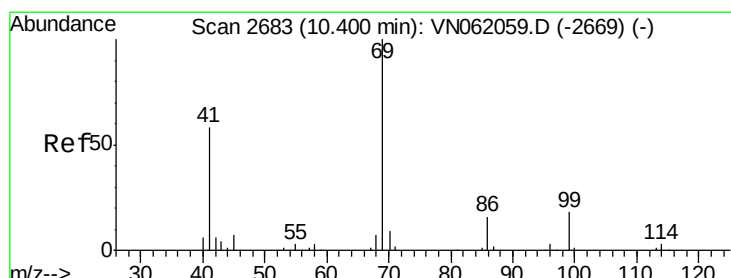
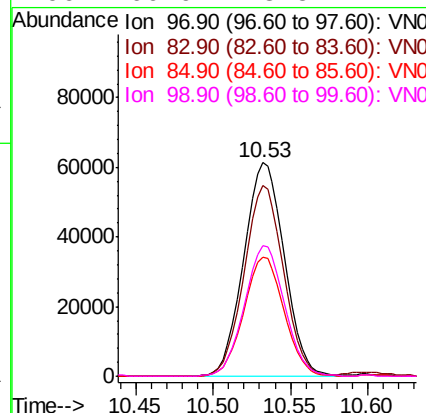
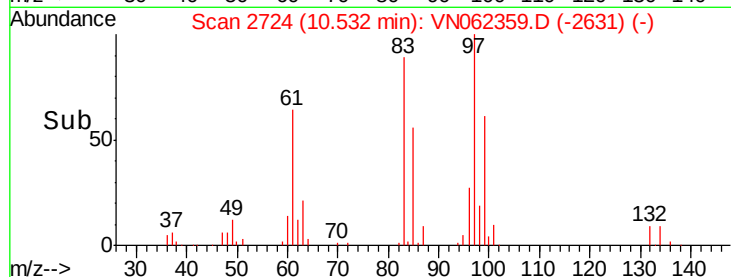
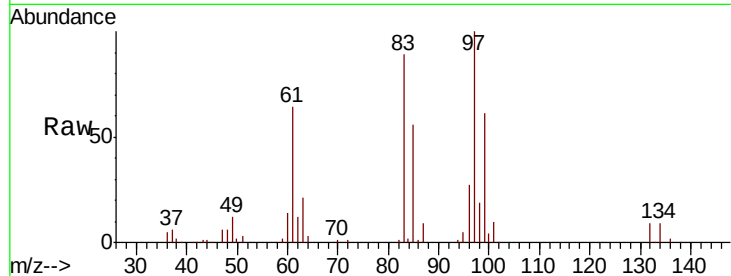
#55  
 1,1,2-Trichloroethane  
 Concen: 54.593 ug/l  
 RT: 10.53 min Scan# 2724  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 112339 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 89.3  | 68.2  | 102.2  |
| 85       | 55.9  | 43.2  | 64.8   |
| 99       | 60.9  | 48.5  | 72.7   |

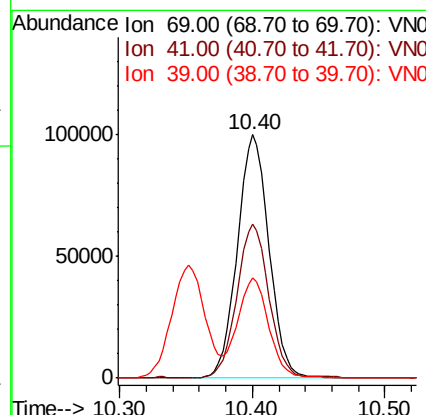
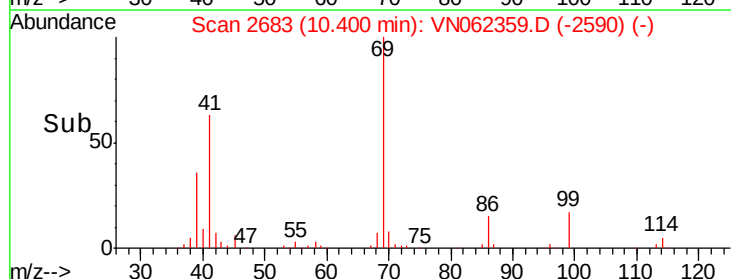
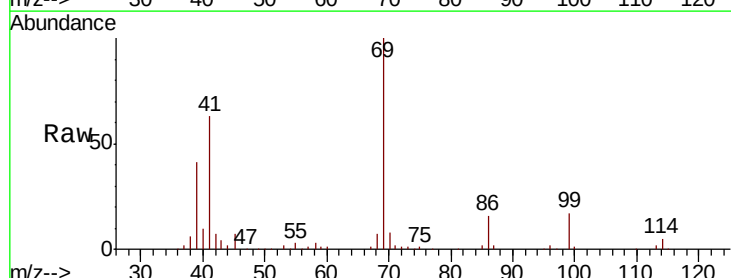
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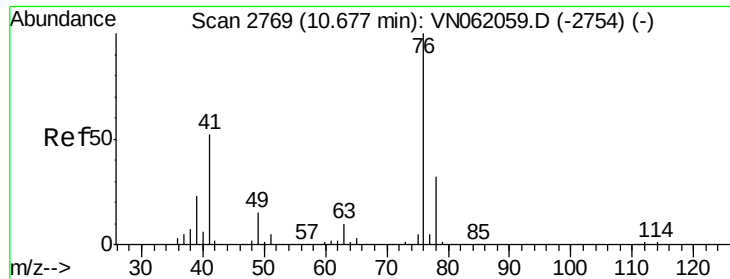
sam  
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#56  
 Ethyl methacrylate  
 Concen: 60.190 ug/l  
 RT: 10.40 min Scan# 2683  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 165290 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 63.4  | 46.6  | 70.0   |
| 39       | 39.7  | 31.0  | 46.4   |





#57

1,3-Dichloropropane

Concen: 54.819 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

33BR-20200625MSD

Tot Ion: 76 Resp: 194164

Ion Ratio Lower Upper

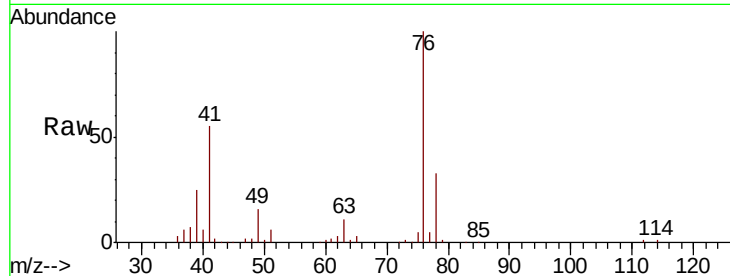
76 100

78 32.8 25.8 38.8

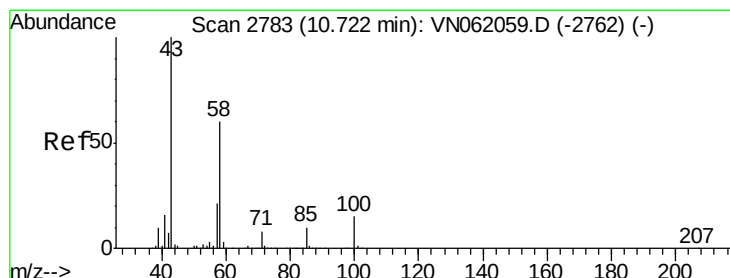
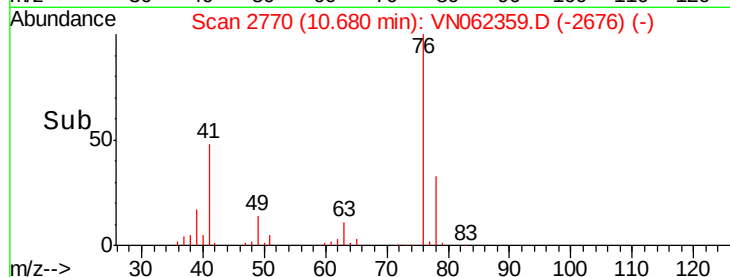
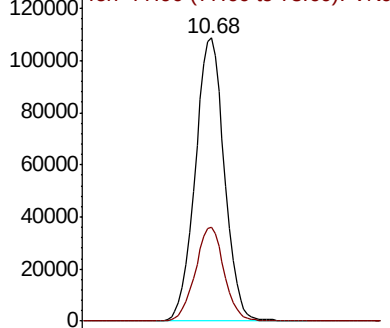
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Abundance Ion 75.90 (75.60 to 76.60): VN062359.D (-2770) (-)



#59

2-Hexanone

Concen: 329.926 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VN062359.D

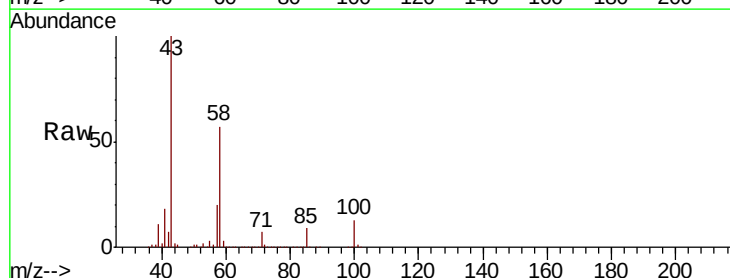
Acq: 3 Jul 2020 1:45

Tgt Ion: 43 Resp: 528882

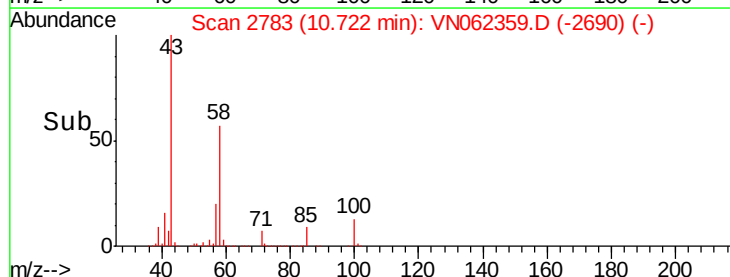
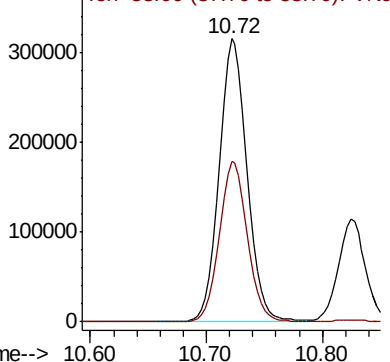
Ion Ratio Lower Upper

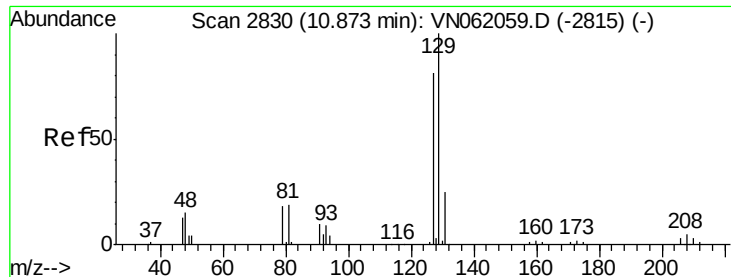
43 100

58 57.1 29.5 88.5



Abundance Ion 43.00 (42.70 to 43.70): VN062359.D (-2783) (-)





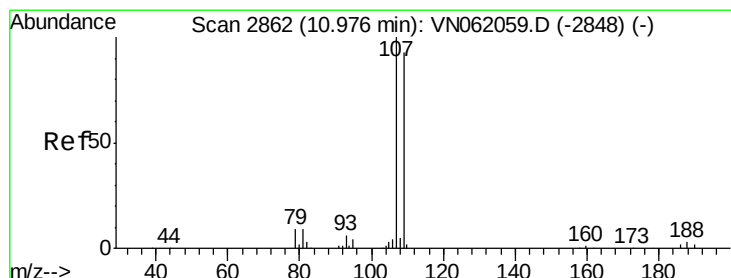
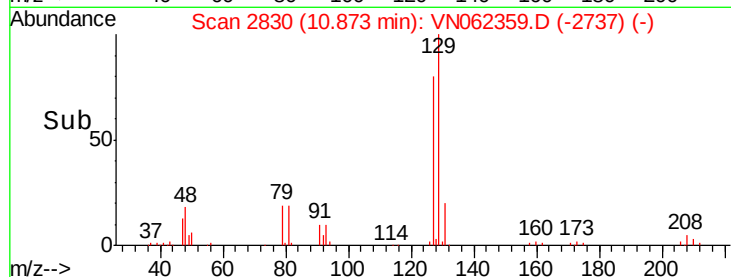
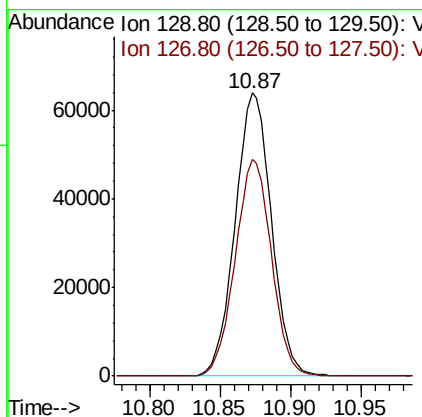
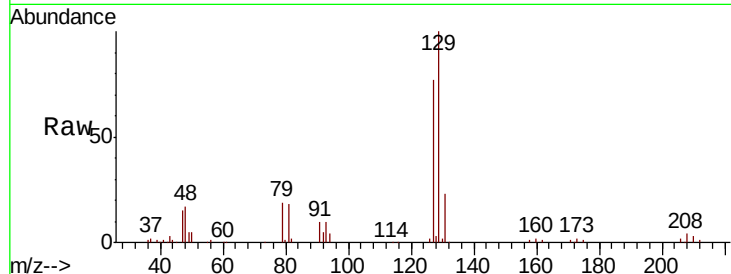
#60  
Dibromochloromethane  
Concen: 52.968 ug/l  
RT: 10.87 min Scan# 2830  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.3  | 39.5  | 118.5 |

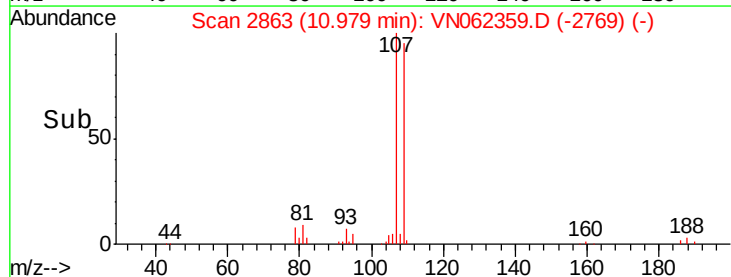
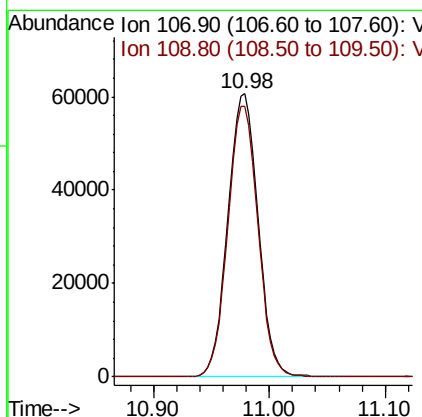
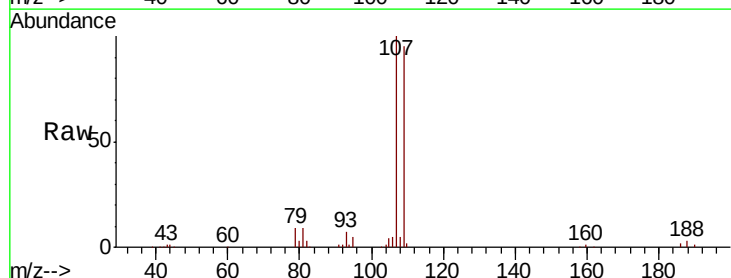
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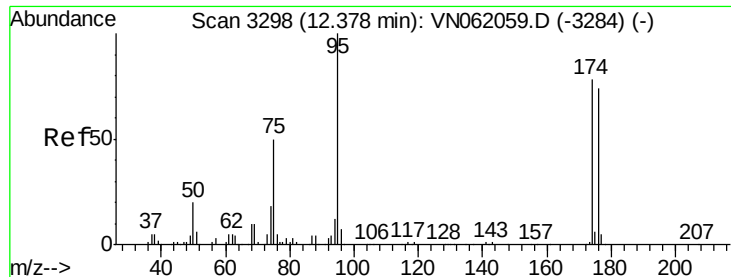
sam  
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#61  
1,2-Dibromoethane  
Concen: 51.672 ug/l  
RT: 10.98 min Scan# 2863  
Delta R.T. 0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.9  | 75.0  | 112.6 |





#62

4-Bromofluorobenzene

Concen: 52.022 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

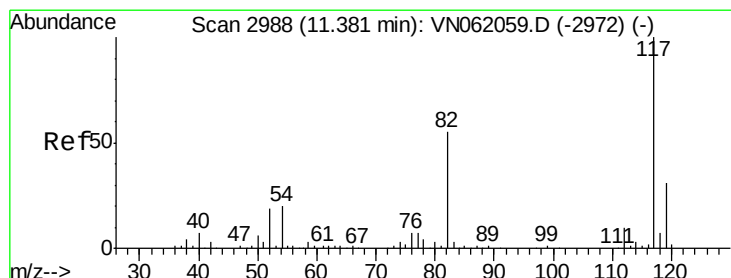
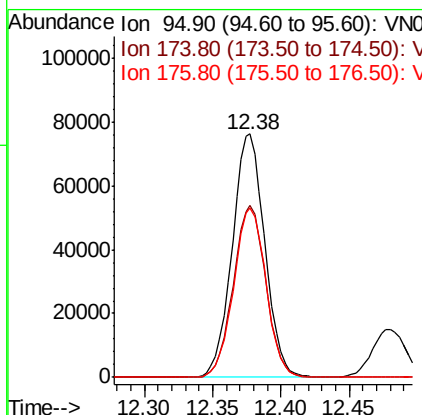
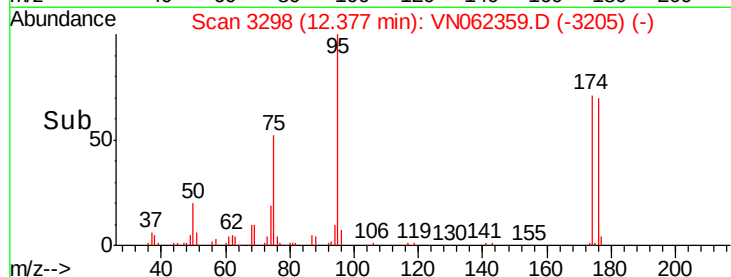
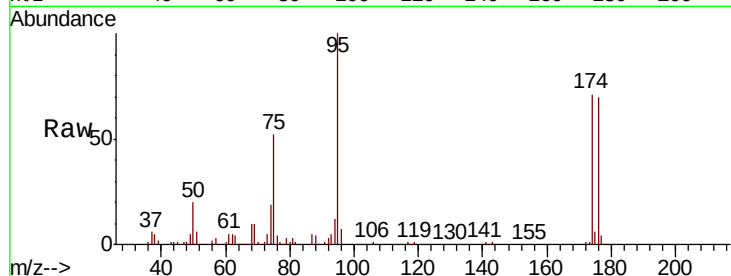
ClientSampleId :

33BR-20200625MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 126225 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 70.6  | 0.0   | 154.8  |
| 176       | 69.1  | 0.0   | 147.4  |

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

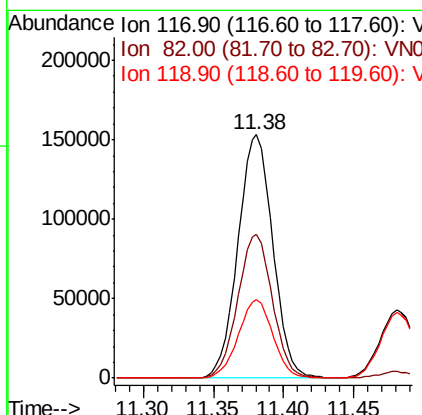
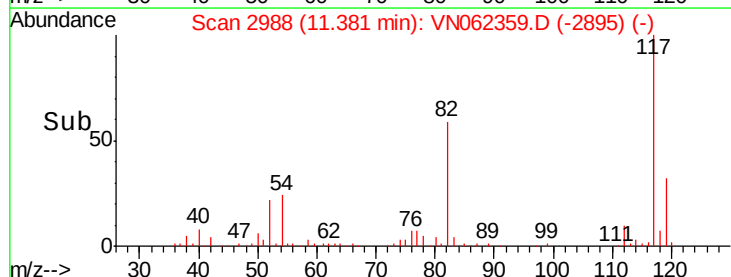
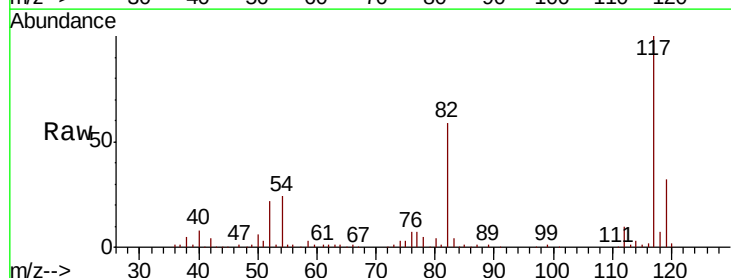
RT: 11.38 min Scan# 2988

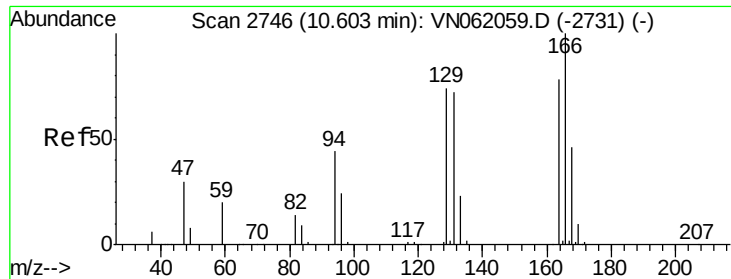
Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 265540 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.1  | 43.8  | 65.8   |
| 119       | 32.2  | 25.2  | 37.8   |





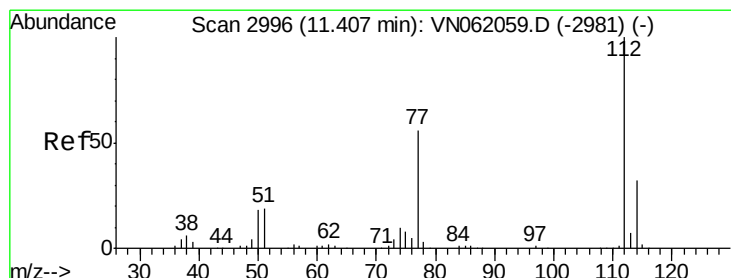
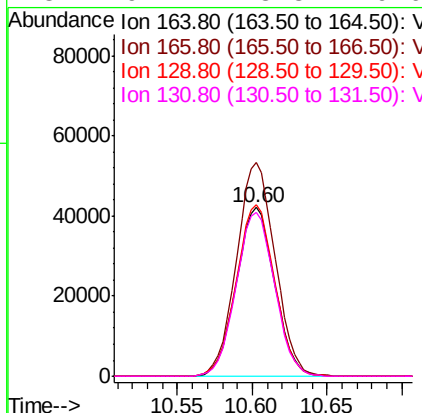
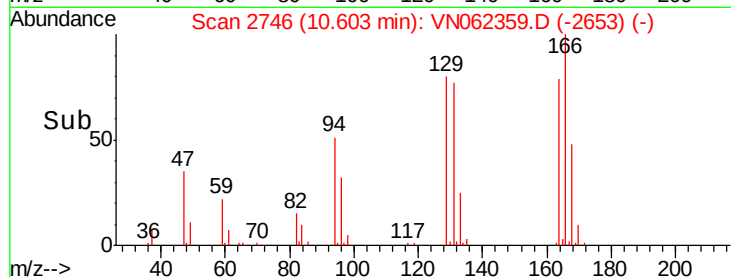
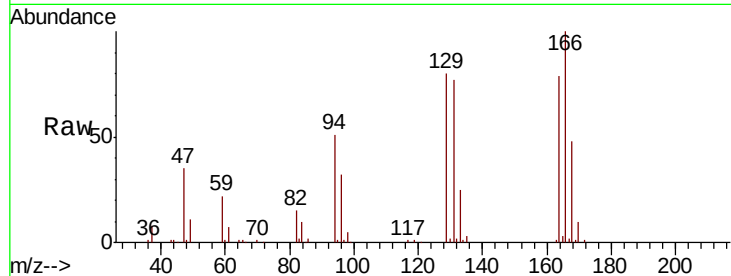
#64  
 Tetrachloroethene  
 Concen: 41.537 ug/l  
 RT: 10.60 min Scan# 2746  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 75344 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 126.5 | 102.9 | 154.3 |
| 129      | 101.7 | 75.8  | 113.8 |
| 131      | 97.1  | 73.8  | 110.6 |

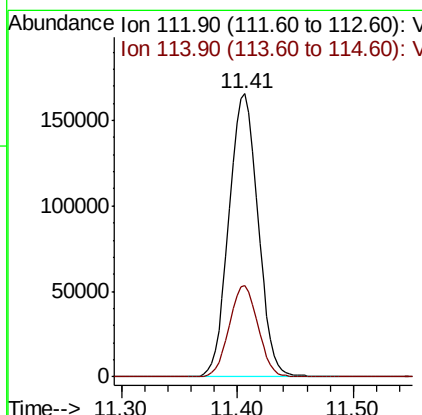
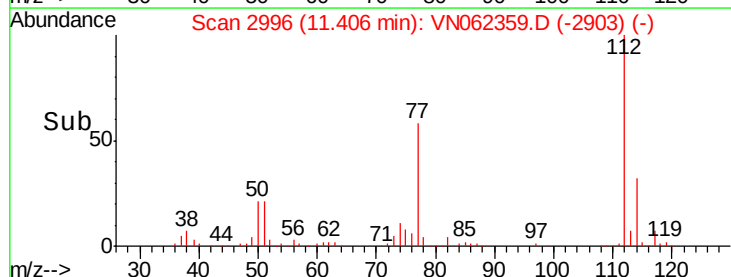
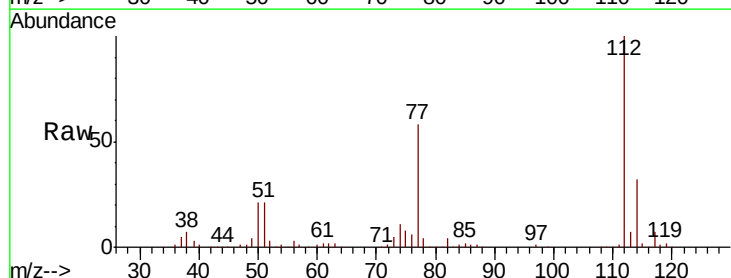
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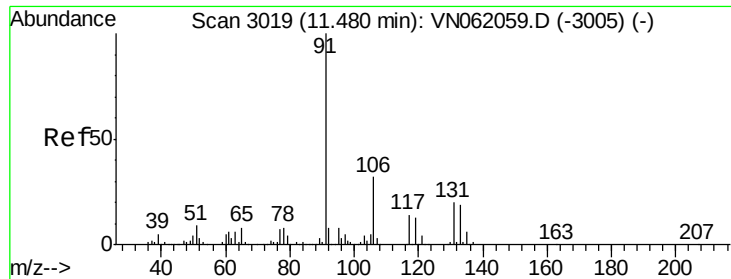
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#65  
 Chlorobenzene  
 Concen: 49.274 ug/l  
 RT: 11.41 min Scan# 2996  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 287334 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.2  | 25.8  | 38.8   |





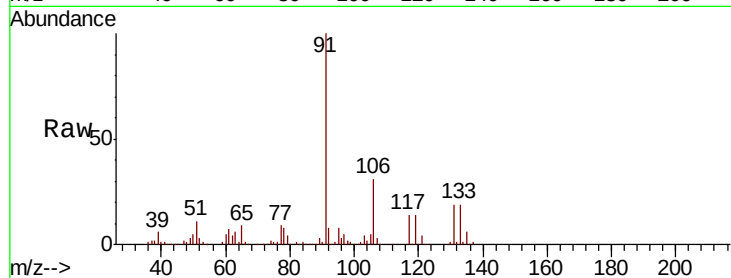
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 50.779 ug/l  
 RT: 11.48 min Scan# 3019  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 102392 |       |       |
| 133     | 95.8  | 47.6   | 142.9 |       |
| 119     | 70.8  | 34.4   | 103.3 |       |

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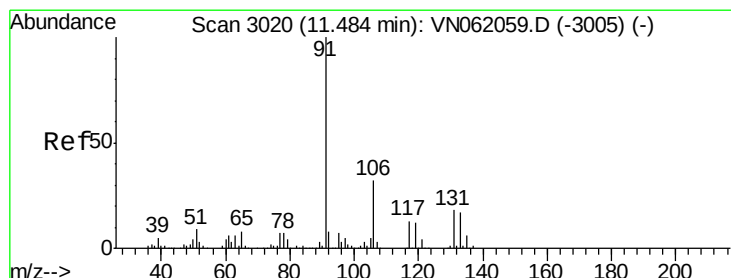
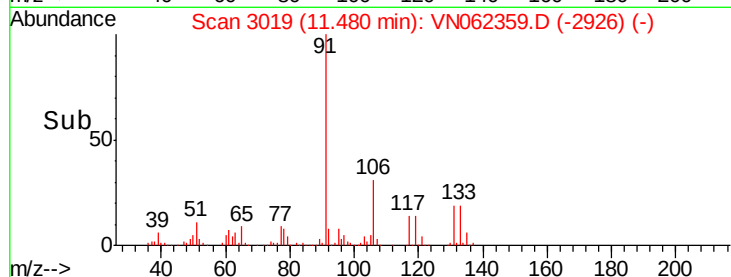
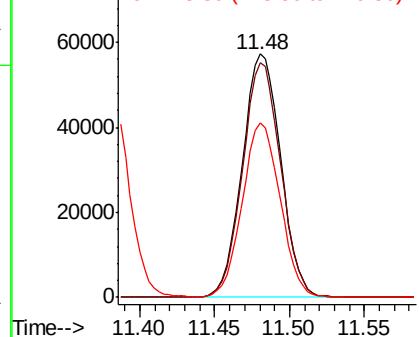


Abundance

Ion 130.80 (130.50 to 131.50): V

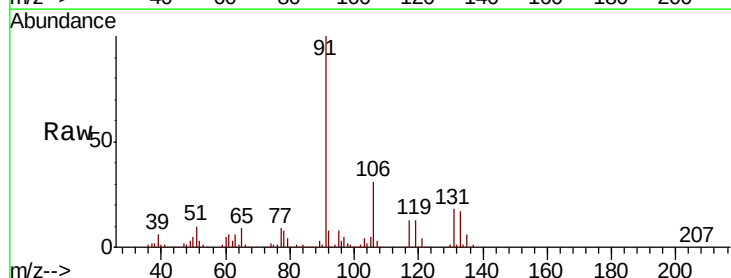
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67  
 Ethyl Benzene  
 Concen: 52.799 ug/l  
 RT: 11.48 min Scan# 3020  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

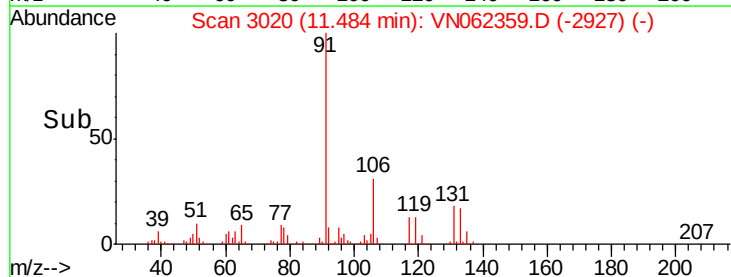
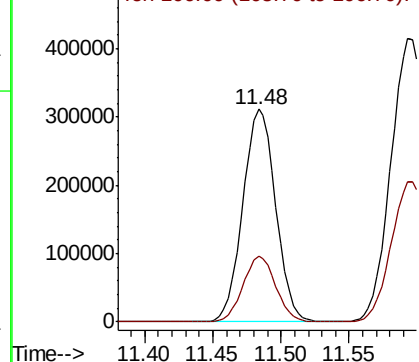
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 519979 |       |       |
| 106     | 30.7  | 25.3   | 37.9  |       |

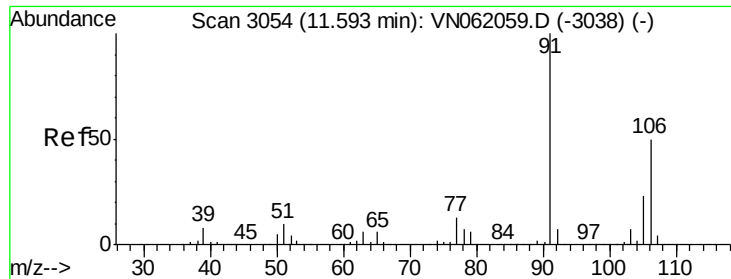


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





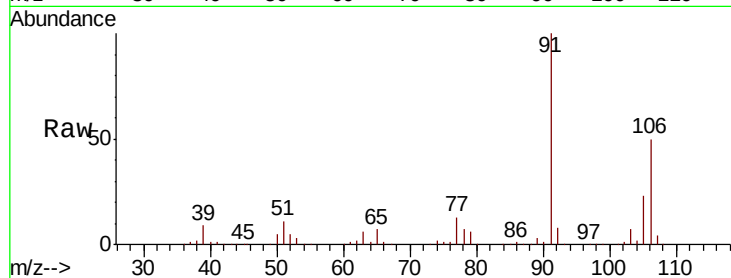
#68  
m/p-Xylenes  
Concen: 103.431 ug/l  
RT: 11.60 min Scan# 3055  
Delta R.T. 0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

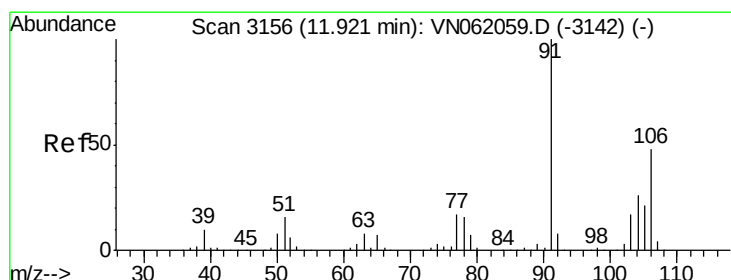
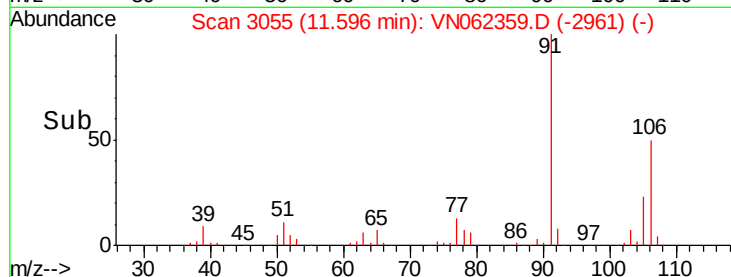
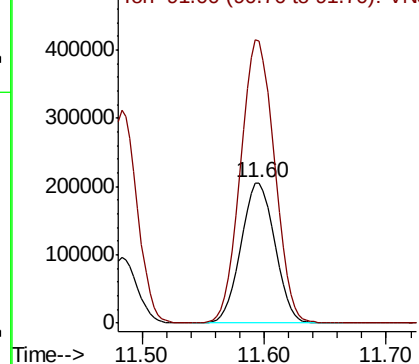
Tot Ion:106 Resp: 393988  
Ion Ratio Lower Upper  
106 100  
91 201.9 157.8 236.8

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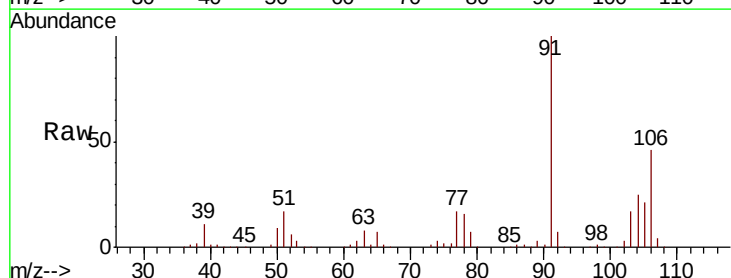


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN

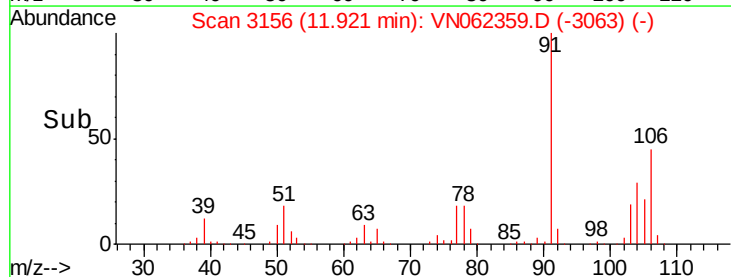
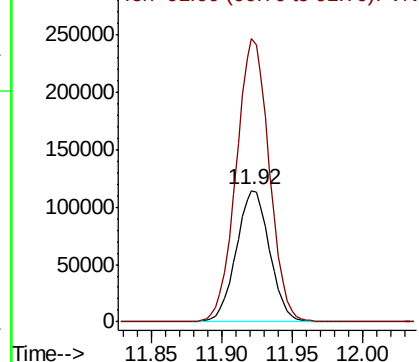


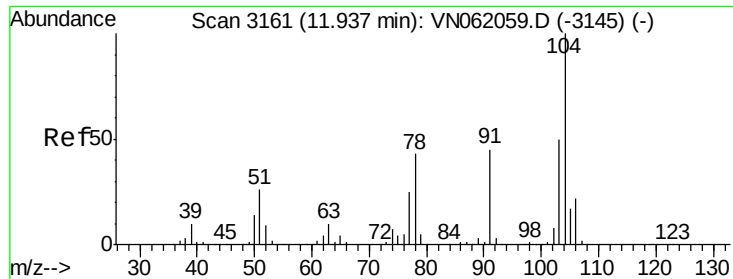
#69  
o-Xylene  
Concen: 52.628 ug/l  
RT: 11.92 min Scan# 3156  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Tgt Ion:106 Resp: 189145  
Ion Ratio Lower Upper  
106 100  
91 214.2 104.0 311.9



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN





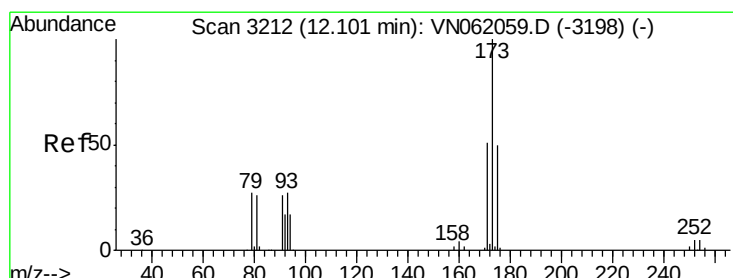
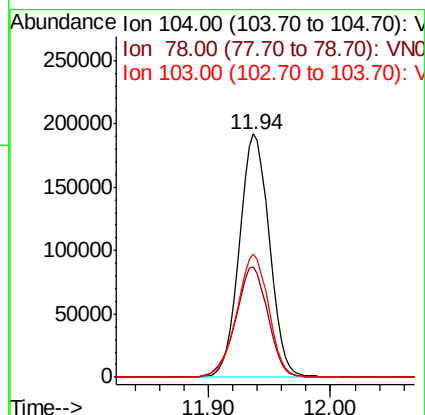
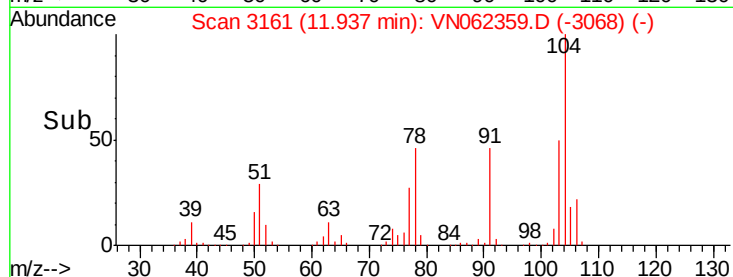
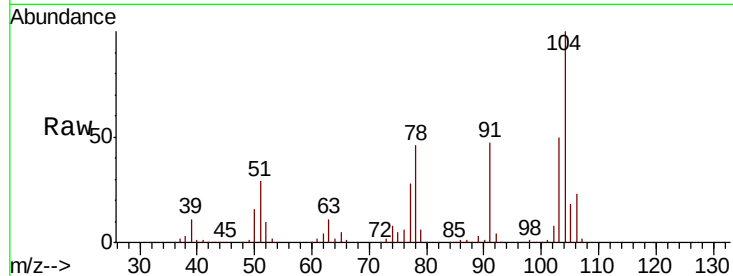
#70  
Stvrene  
Concen: 54.374 ug/l  
RT: 11.94 min Scan# 3161  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.1  | 37.7  | 56.5  |
| 103     | 53.9  | 43.0  | 64.6  |

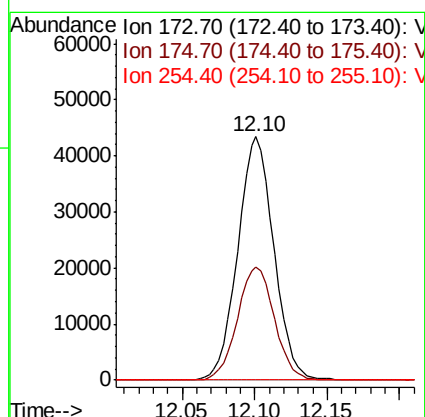
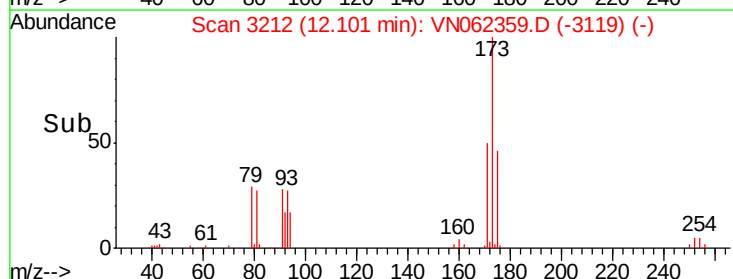
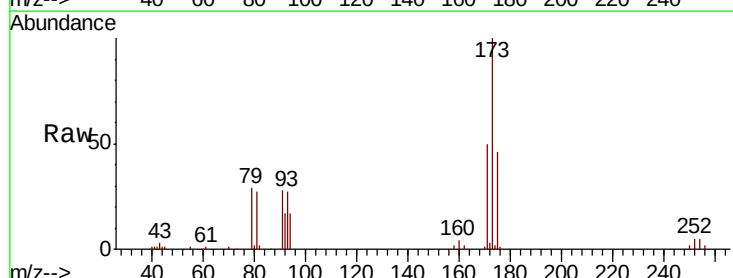
Manual Integrations  
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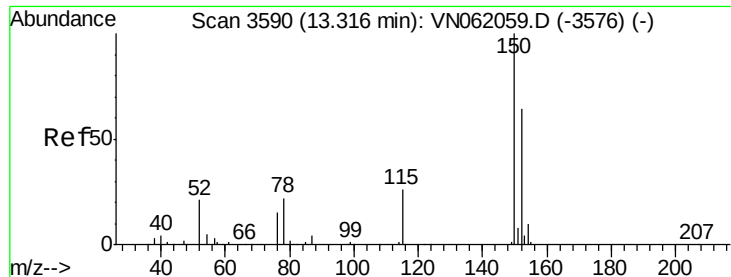


#71  
Bromoform  
Concen: 52.178 ug/l  
RT: 12.10 min Scan# 3212  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.5  | 24.7  | 74.1  |
| 254     | 0.0   | 0.0   | 0.0   |







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

33BR-20200625MSD

Tot Ion:152 Resp: 127804

Ion Ratio Lower Upper

152 100

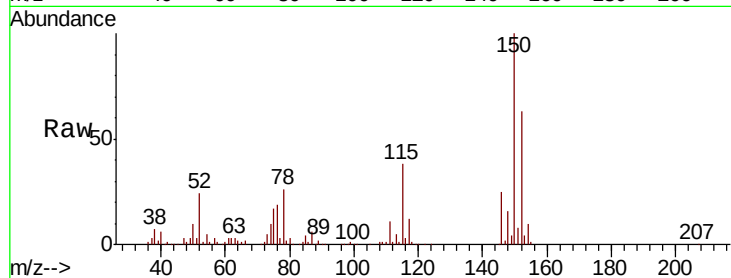
115 60.4 29.5 88.5

150 173.5 0.0 351.4

Manual Integrations  
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sam

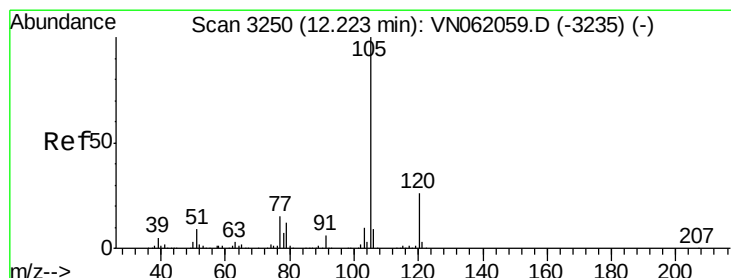
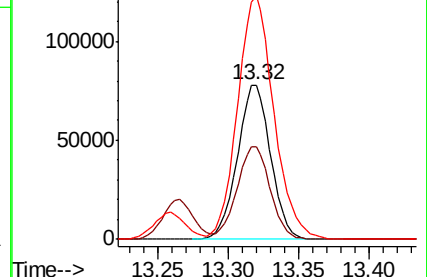
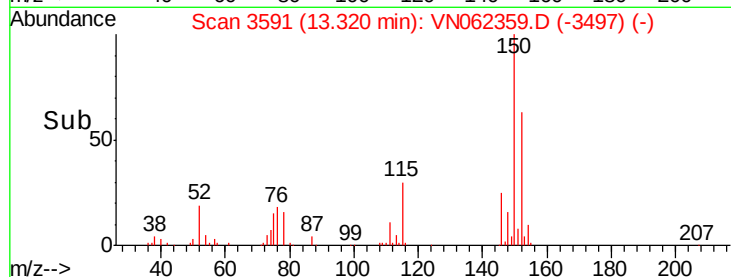
7/6/2020 11:34:30 AM



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: 51.060 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062359.D

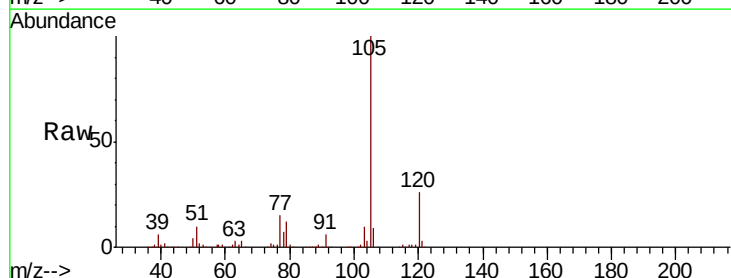
Acq: 3 Jul 2020 1:45

Tgt Ion:105 Resp: 505143

Ion Ratio Lower Upper

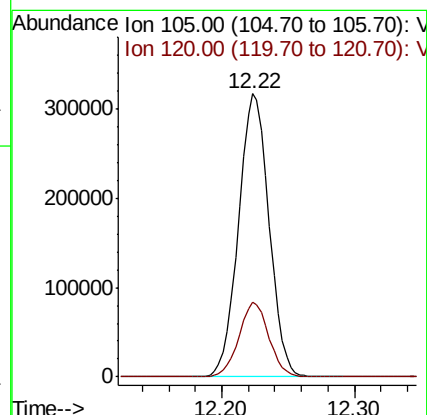
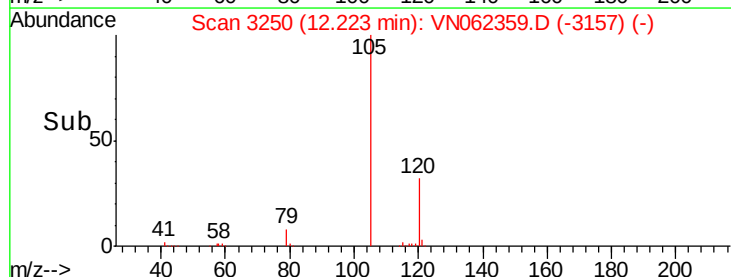
105 100

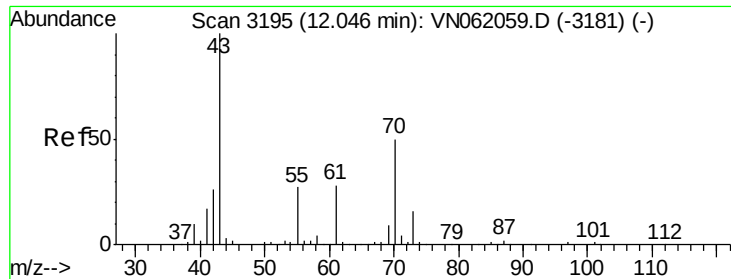
120 25.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 51.977 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

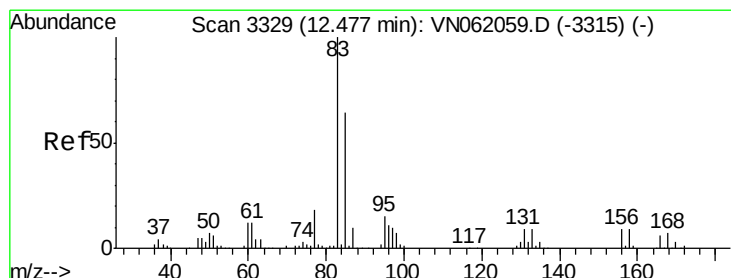
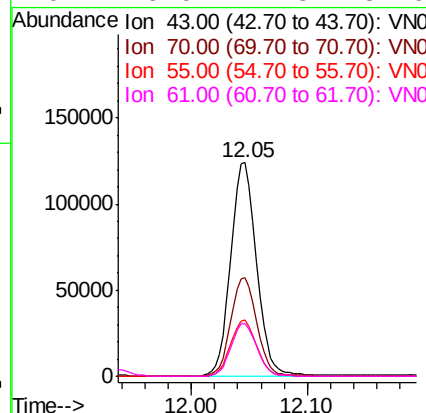
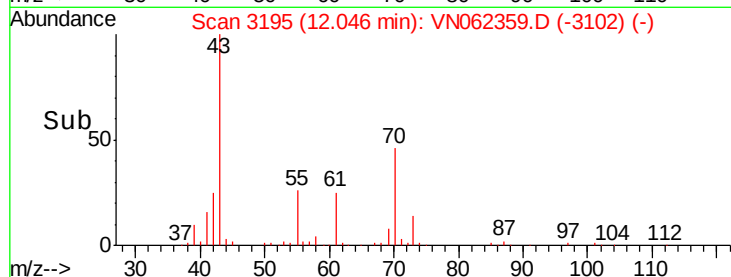
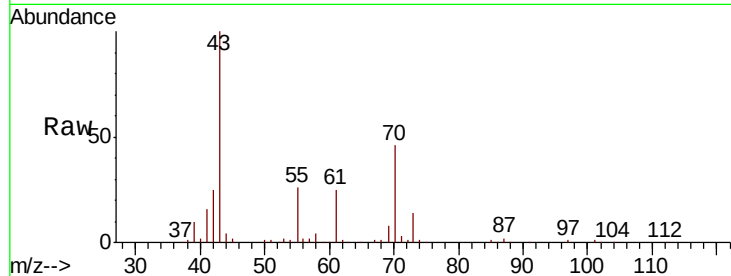
ClientSampleId :

33BR-20200625MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 43      | 100  |       |       |       |
| 70      | 46.9 | 39.4  | 59.2  |       |
| 55      | 26.6 | 21.7  | 32.5  |       |
| 61      | 25.0 | 21.3  | 31.9  |       |

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.568 ug/l

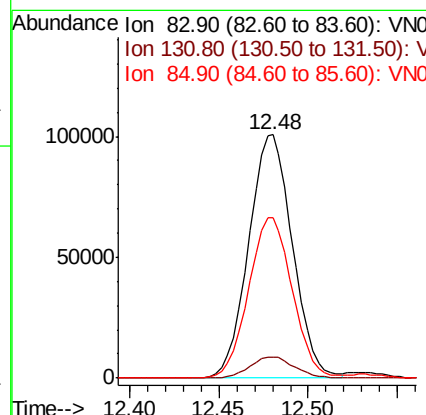
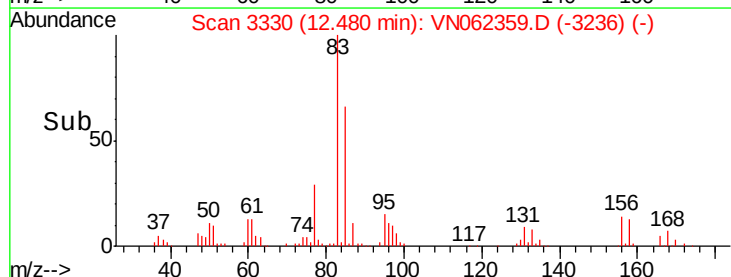
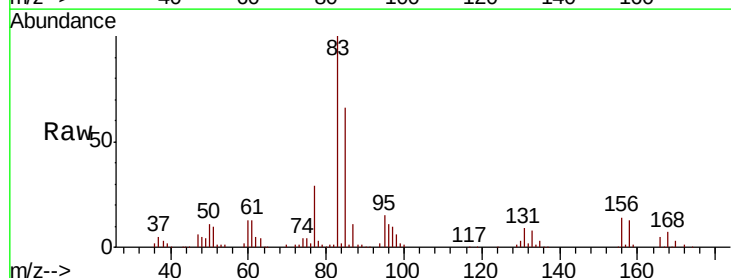
RT: 12.48 min Scan# 3330

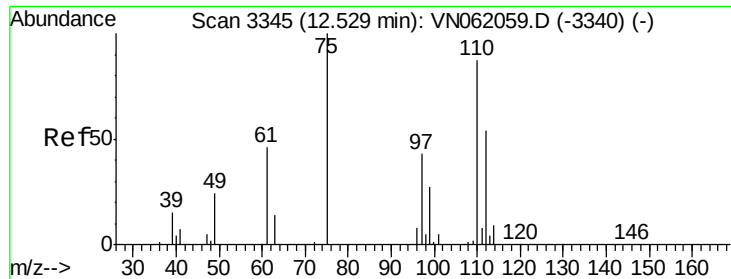
Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 83      | 100  |       |       |       |
| 131     | 9.1  | 4.8   | 14.4  |       |
| 85      | 65.5 | 32.4  | 97.0  |       |





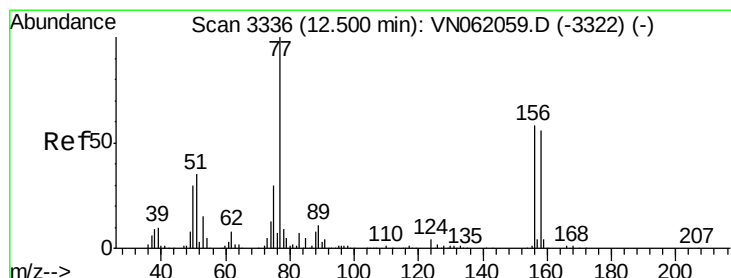
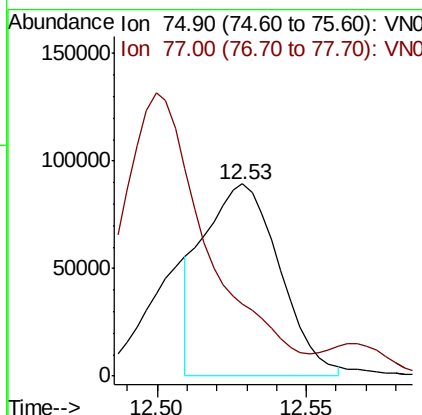
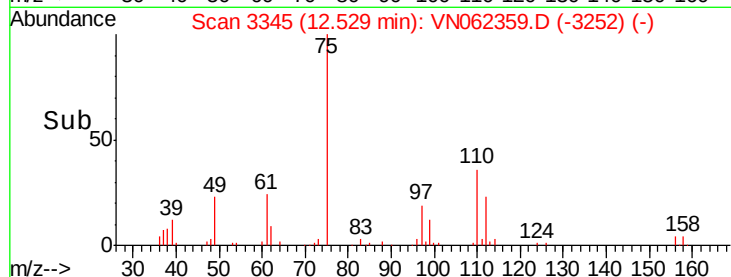
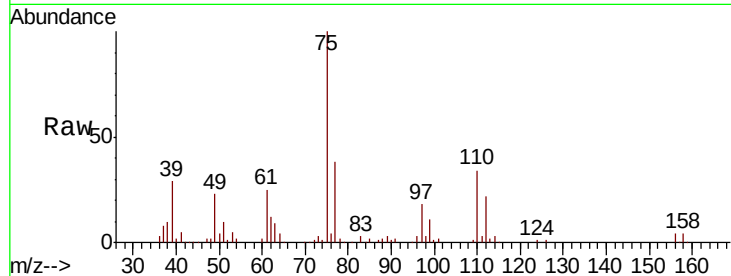
#76  
 1,2,3-Trichloropropane  
 Concen: 52.330 ug/l m  
 RT: 12.53 min Scan# 3345  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 33BR-20200625MSD

Tot Ion: 75 Resp: 157442  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

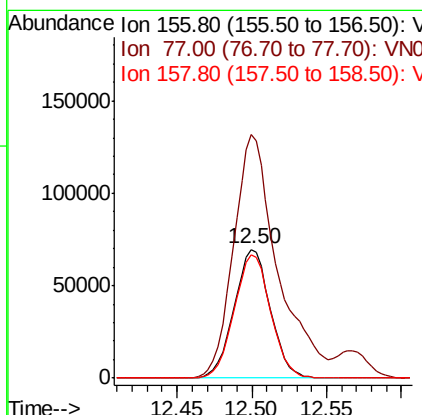
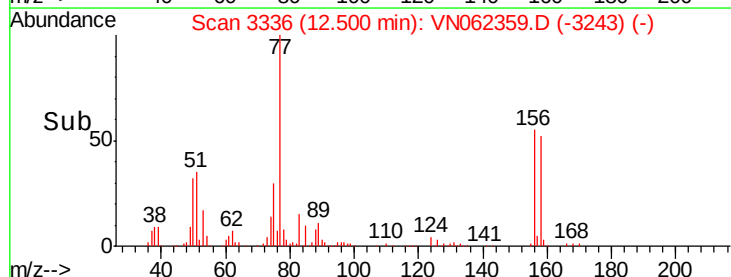
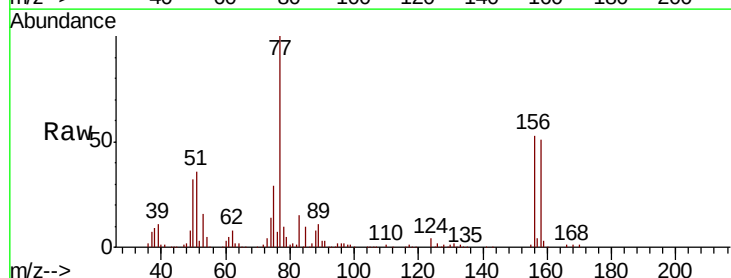
Manual Integrations  
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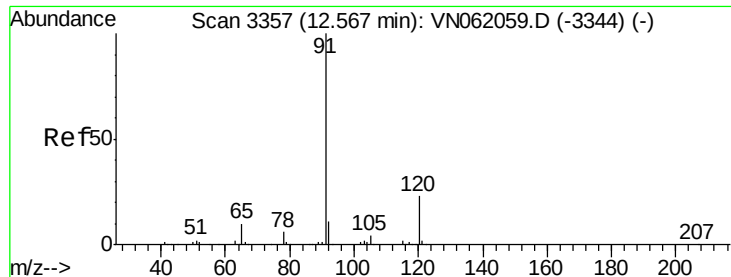
sam  
 7/6/2020 11:34:30 AM



#77  
 Bromobenzene  
 Concen: 47.450 ug/l  
 RT: 12.50 min Scan# 3336  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Tgt Ion: 156 Resp: 116544  
 Ion Ratio Lower Upper  
 156 100  
 77 231.7 104.6 313.8  
 158 96.7 48.0 144.0





#78

n-propylbenzene

Concen: 52.331 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

33BR-20200625MSD

Tot Ion: 91 Resp: 592184

Ion Ratio Lower Upper

91 100

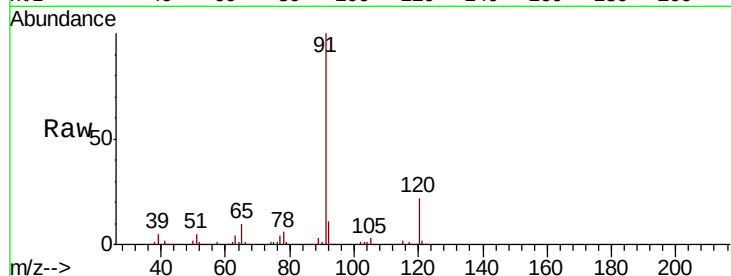
120 21.8 11.4 34.1

Manual Integrations

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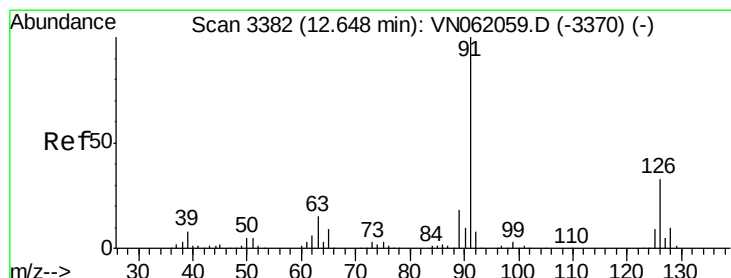
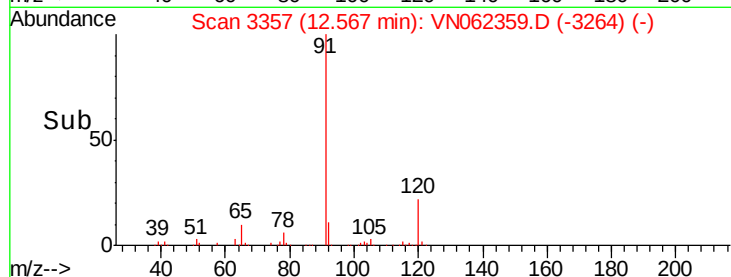
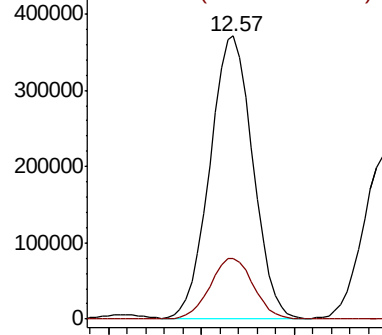
sam

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.512 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062359.D

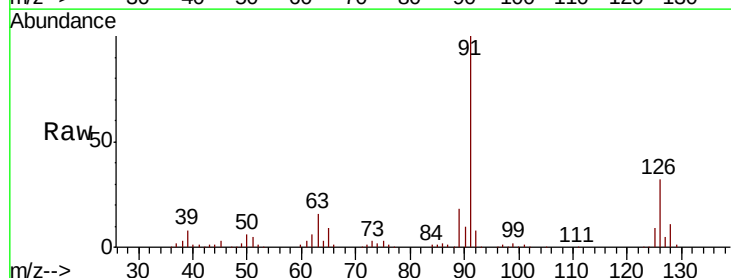
Acq: 3 Jul 2020 1:45

Tgt Ion: 91 Resp: 352404

Ion Ratio Lower Upper

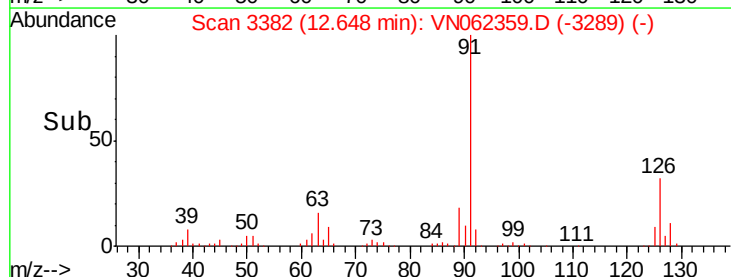
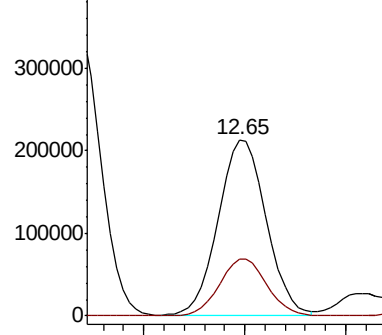
91 100

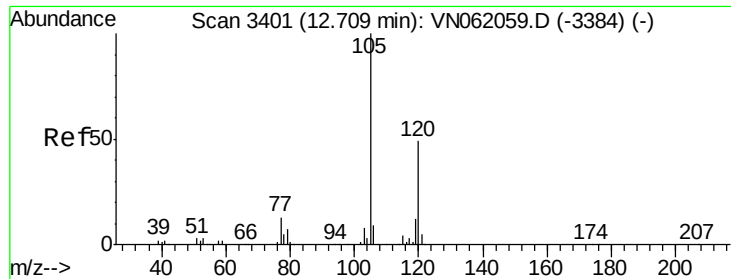
126 32.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





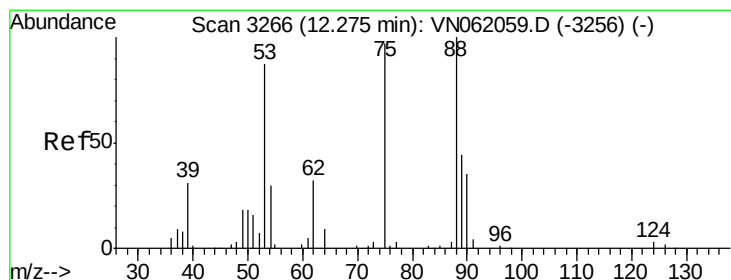
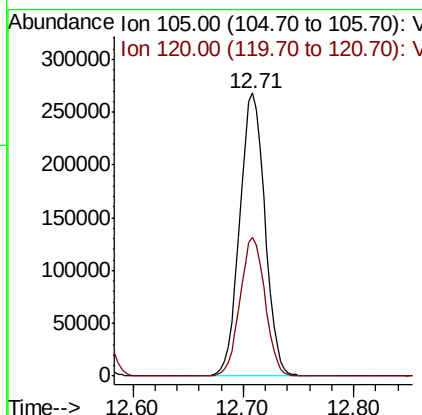
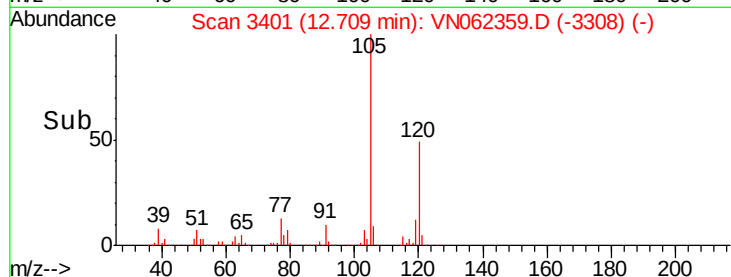
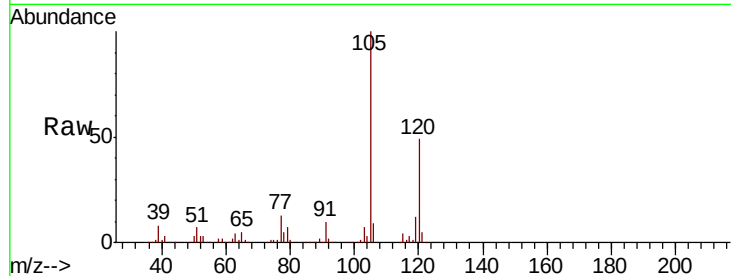
#80  
 1,3,5-Trimethylbenzene  
 Concen: 52.888 ug/l  
 RT: 12.71 min Scan# 3401  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 48.8  | 24.6  | 74.0  |

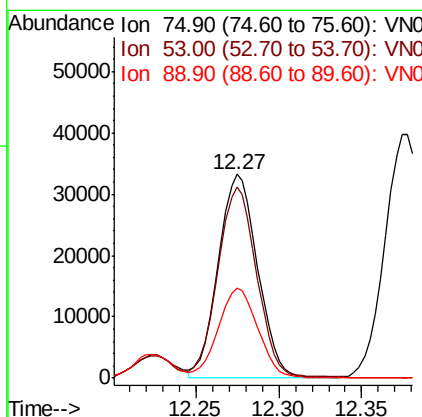
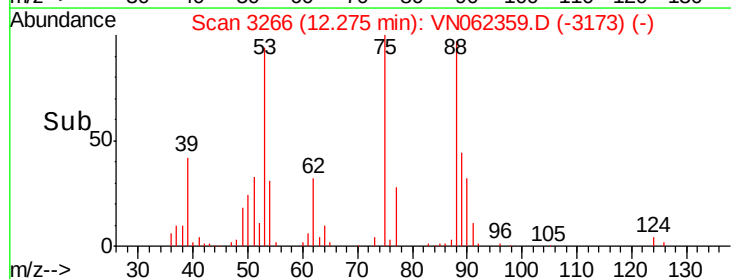
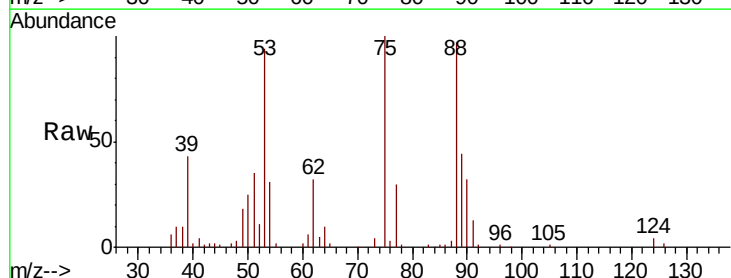
Manual Integrations  
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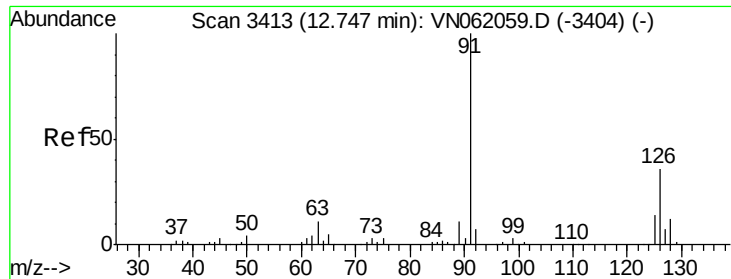
sam  
 7/6/2020 11:34:30 AM



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 53.379 ug/l  
 RT: 12.27 min Scan# 3266  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.8  | 72.0  | 108.0 |
| 89      | 44.2  | 36.9  | 55.3  |





#82

4-Chlorotoluene

Concen: 52.021 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

ClientSampleId :

33BR-20200625MSD

Tot Ion: 91 Resp: 368019

Ion Ratio Lower Upper

91 100

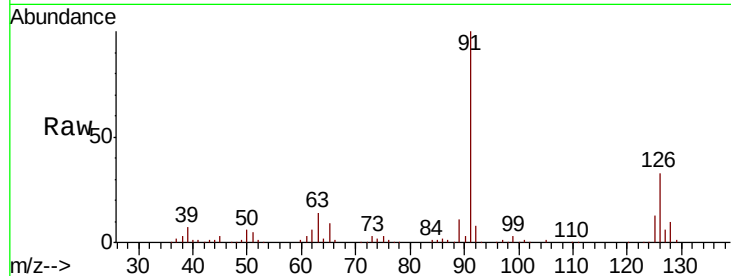
126 32.0 16.7 50.1

Manual Integrations

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sam

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Abundance Ion 91.00 (90.70 to 91.70): VN062359.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062359.D (-3320) (-)

12.75

250000

200000

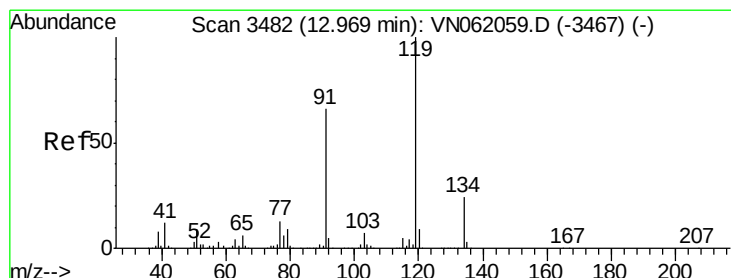
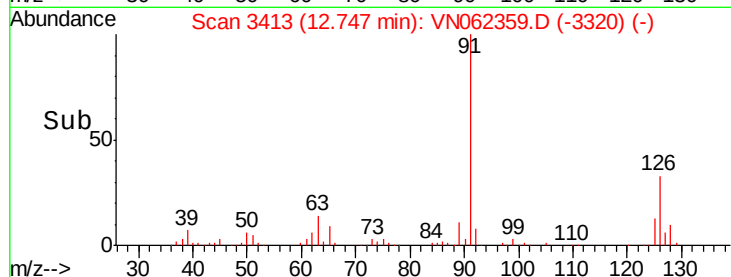
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 49.976 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

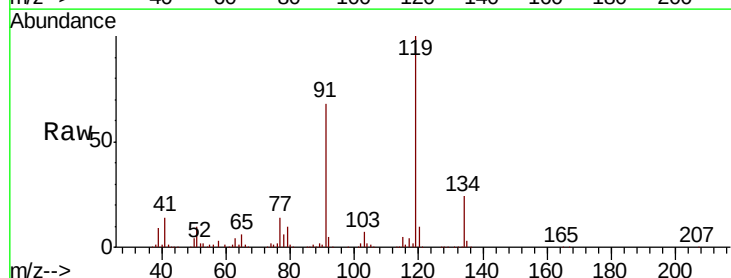
Tgt Ion: 119 Resp: 343004

Ion Ratio Lower Upper

119 100

91 68.1 31.7 95.1

134 24.7 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): VN062359.D (-3389) (-)

Ion 91.00 (90.70 to 91.70): VN062359.D (-3389) (-)

Ion 134.00 (133.70 to 134.70): VN062359.D (-3389) (-)

12.97

250000

200000

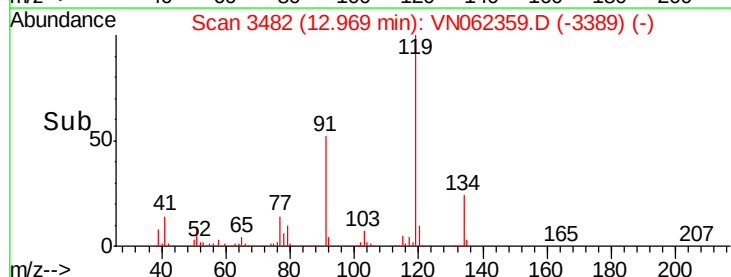
150000

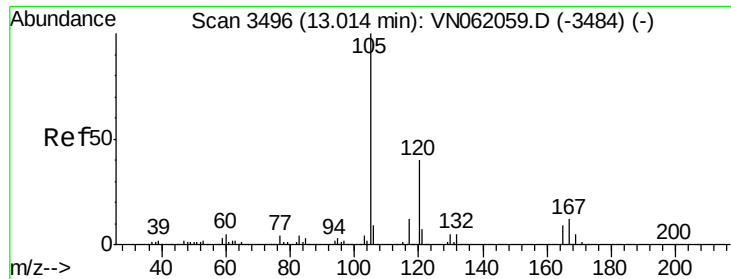
100000

50000

0

Time-->





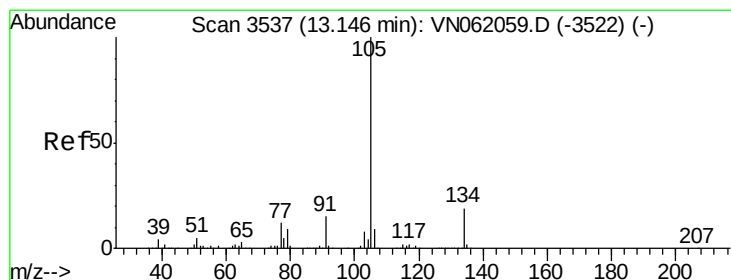
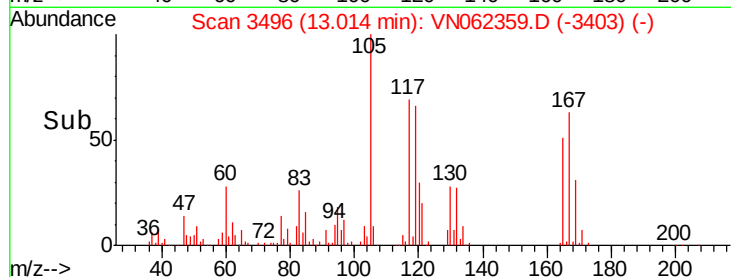
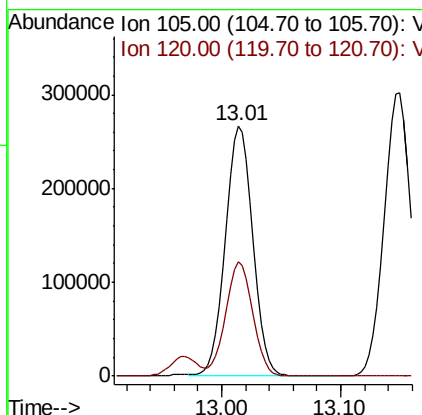
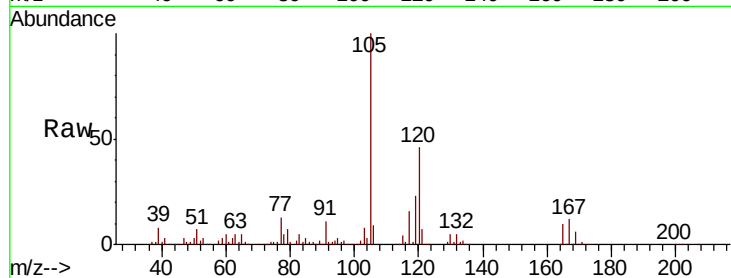
#84  
 1,2,4-Trimethylbenzene  
 Concen: 53.053 ug/l  
 RT: 13.01 min Scan# 3496  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.5  | 23.2  | 69.5  |

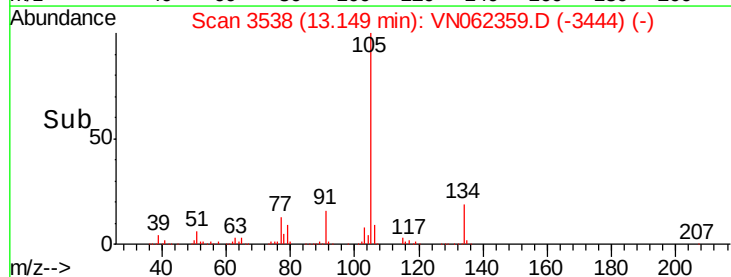
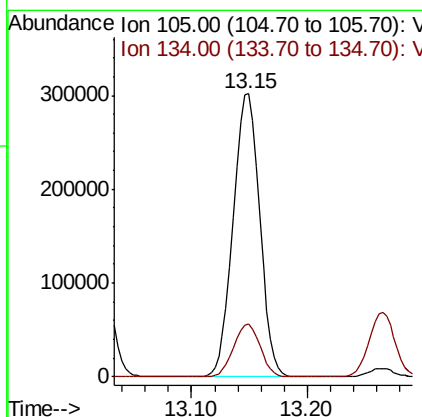
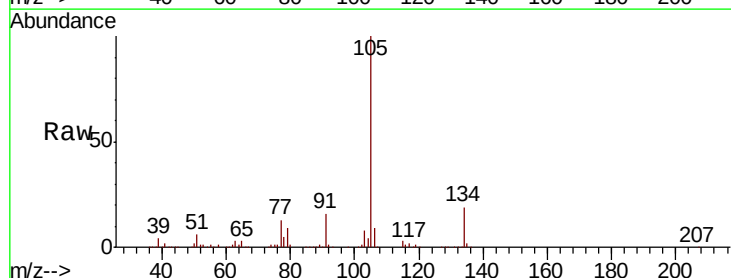
Manual Integrations  
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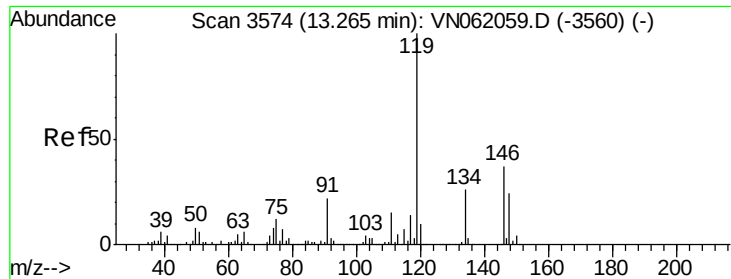
sam  
 7/6/2020 11:34:30 AM



#85  
 sec-Butylbenzene  
 Concen: 52.603 ug/l  
 RT: 13.15 min Scan# 3538  
 Delta R.T. 0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 18.7  | 9.7   | 29.1  |





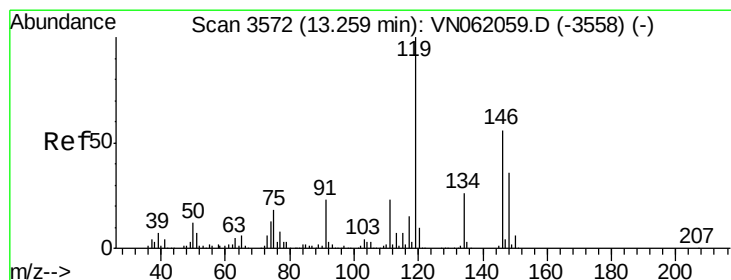
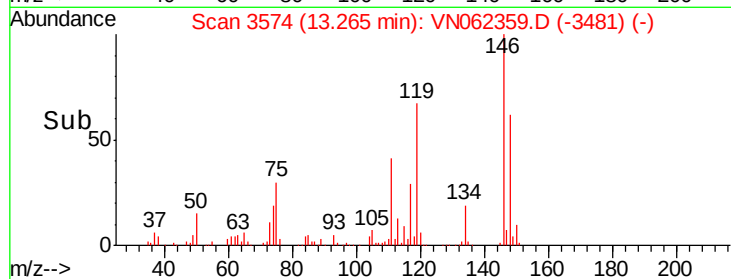
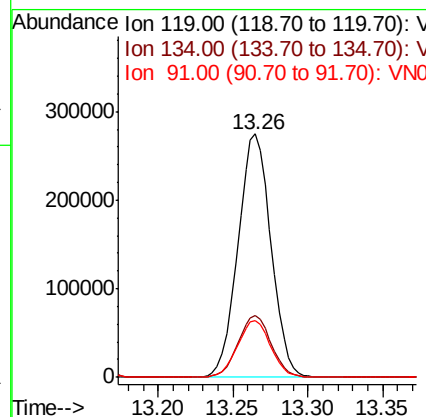
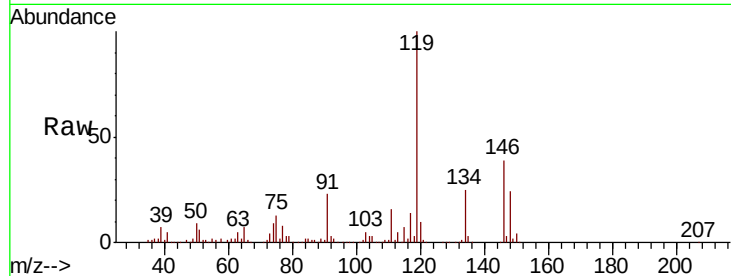
#86  
 p-Isopropyltoluene  
 Concen: 52.908 ug/l  
 RT: 13.26 min Scan# 3574  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 420389 |       |       |
| 134     | 25.6  | 13.0   | 39.0  |       |
| 91      | 23.4  | 11.3   | 33.8  |       |

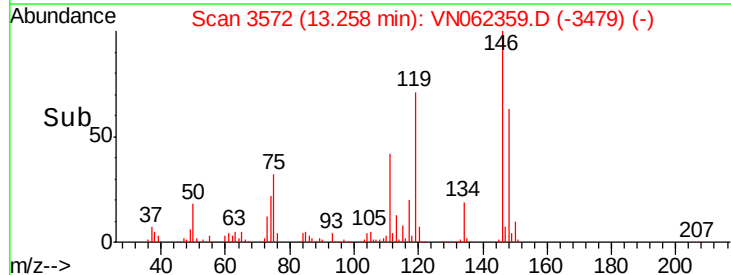
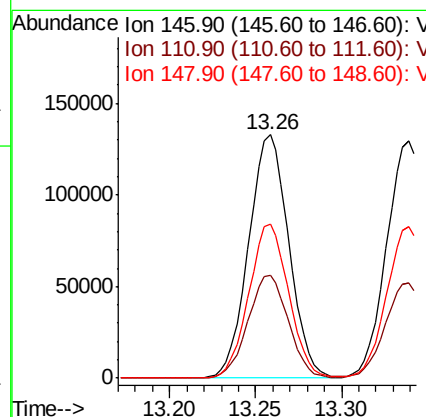
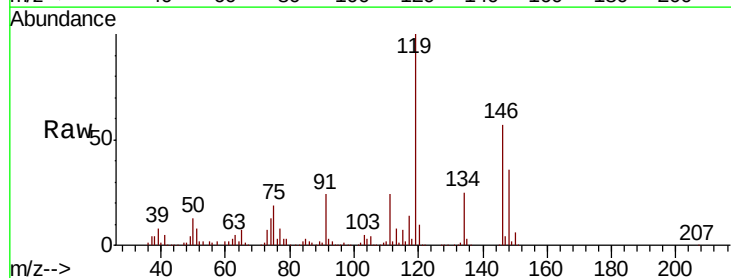
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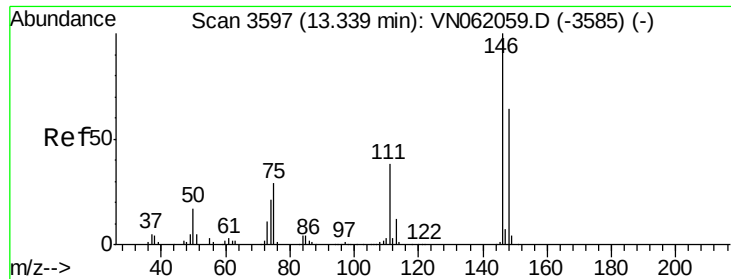


#87  
 1,3-Dichlorobenzene  
 Concen: 49.990 ug/l  
 RT: 13.26 min Scan# 3572  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 215605 |       |       |
| 111     | 42.3  | 20.3   | 61.0  |       |
| 148     | 62.8  | 31.8   | 95.3  |       |







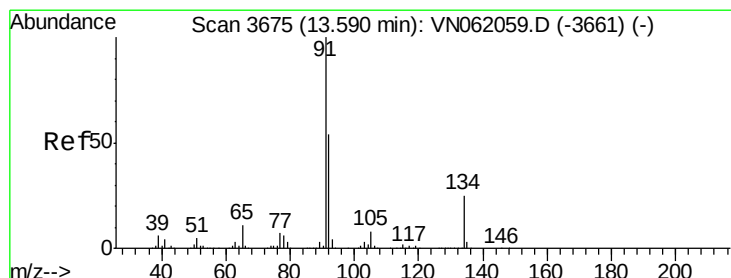
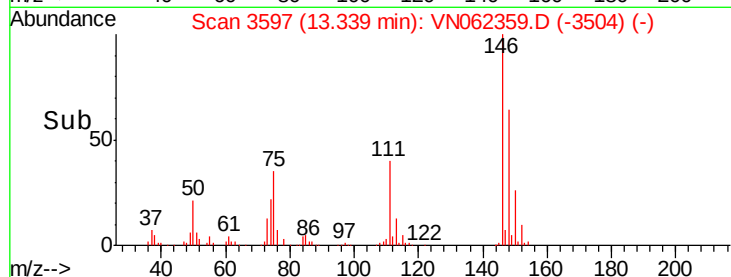
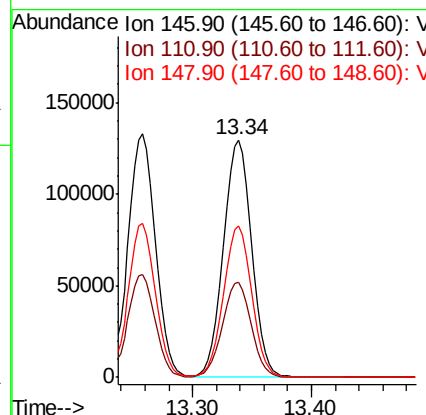
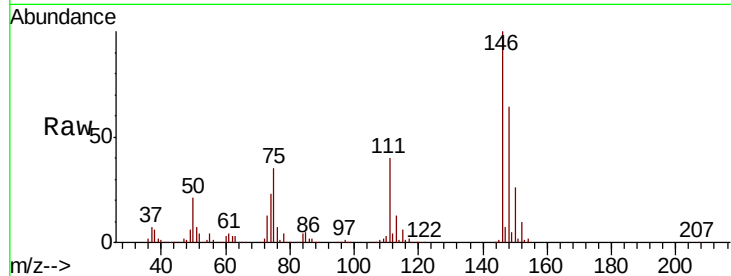
#88  
 1,4-Dichlorobenzene  
 Concen: 48.078 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.3  | 19.9  | 59.6  |
| 148     | 64.0  | 31.9  | 95.9  |

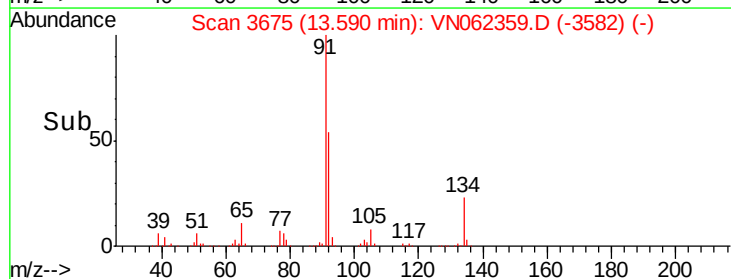
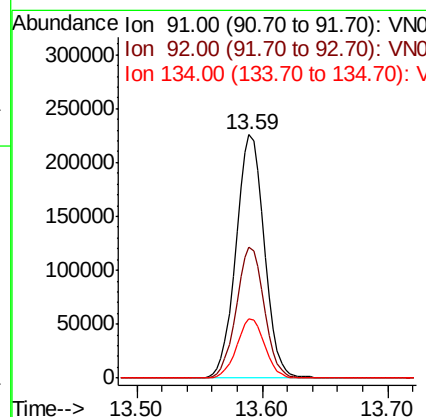
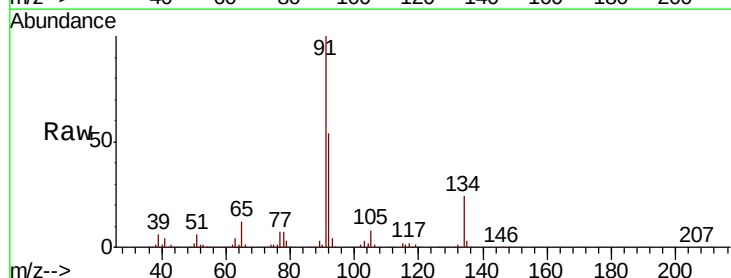
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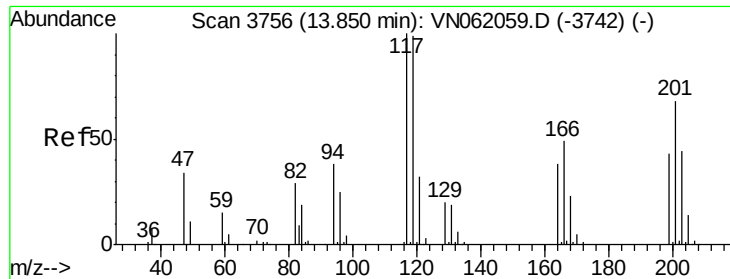
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#89  
 n-Butylbenzene  
 Concen: 53.392 ug/l  
 RT: 13.59 min Scan# 3675  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.1  | 26.6  | 79.7  |
| 134     | 24.0  | 12.3  | 36.9  |





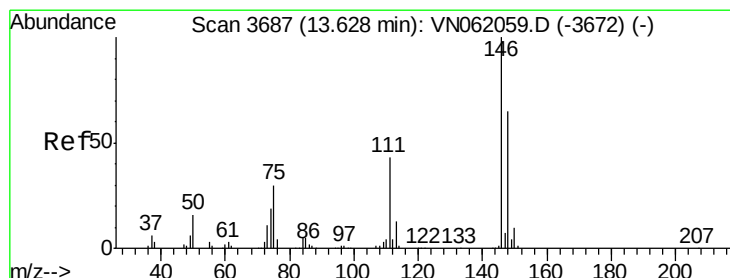
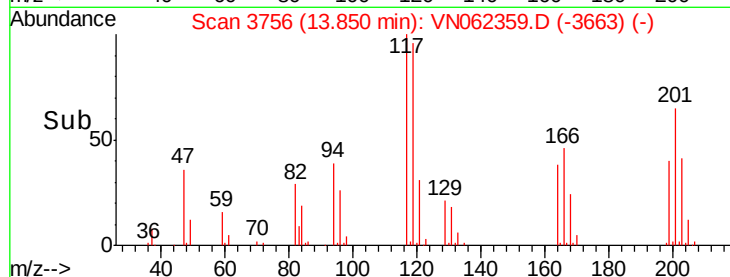
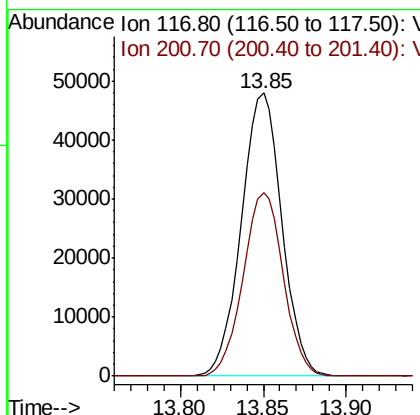
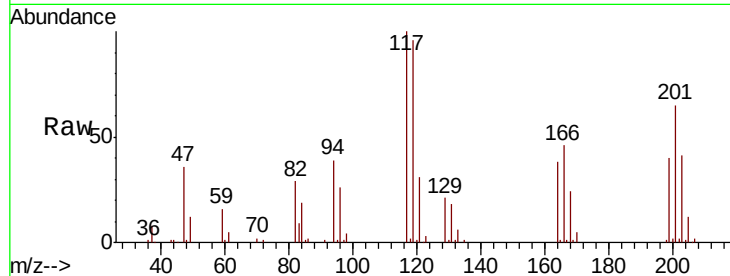
#90  
Hexachloroethane  
Concen: 52.289 ug/l  
RT: 13.85 min Scan# 3756  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Instrument :  
MSVOA\_N  
ClientSampleId :  
33BR-20200625MSD

Tot Ion:117 Resp: 81515  
Ion Ratio Lower Upper  
117 100  
201 64.2 32.7 98.1

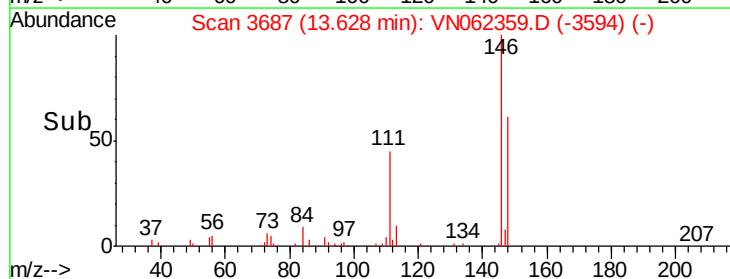
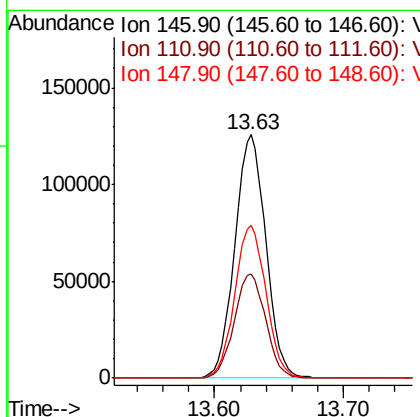
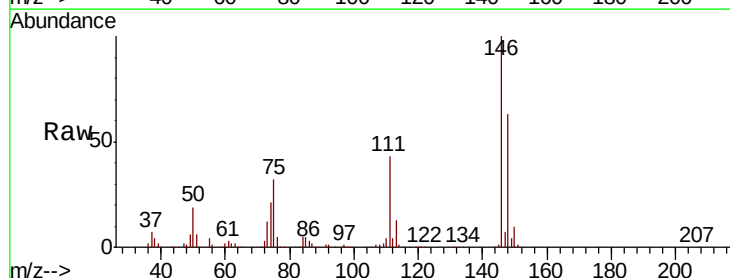
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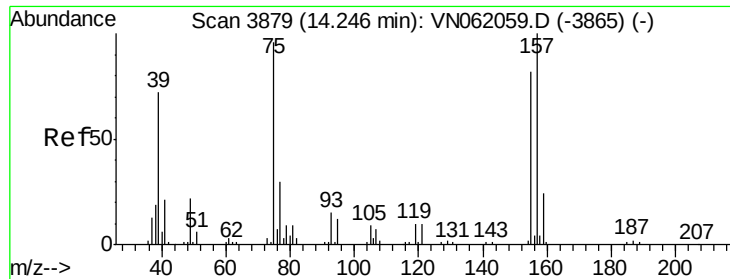
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#91  
1,2-Dichlorobenzene  
Concen: 50.208 ug/l  
RT: 13.63 min Scan# 3687  
Delta R.T. -0.00 min  
Lab File: VN062359.D  
Acq: 3 Jul 2020 1:45

Tgt Ion:146 Resp: 209984  
Ion Ratio Lower Upper  
146 100  
111 43.3 21.2 63.6  
148 63.2 31.9 95.5





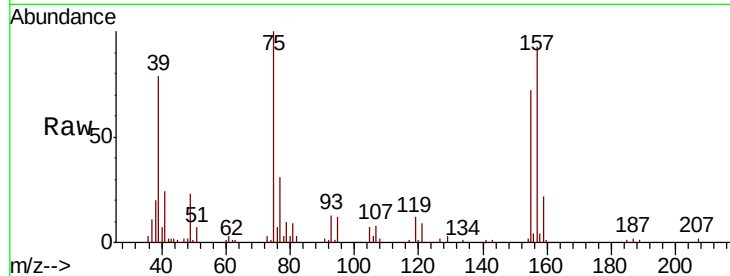
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 58.155 ug/l  
 RT: 14.25 min Scan# 3879  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

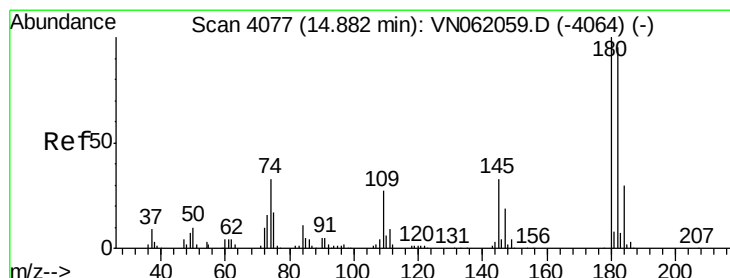
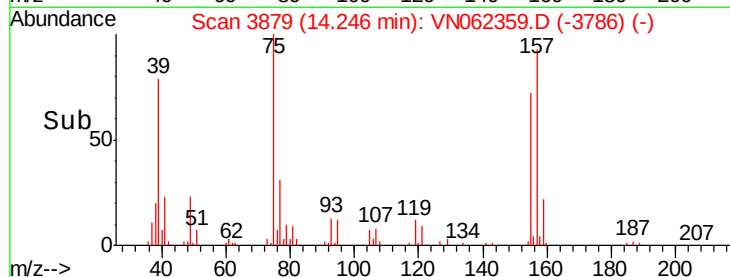
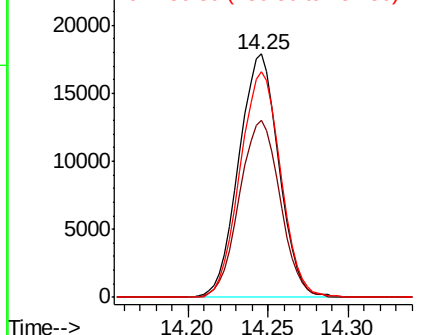
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 73.9  | 40.8  | 122.4 |
| 157     | 93.9  | 51.4  | 154.3 |

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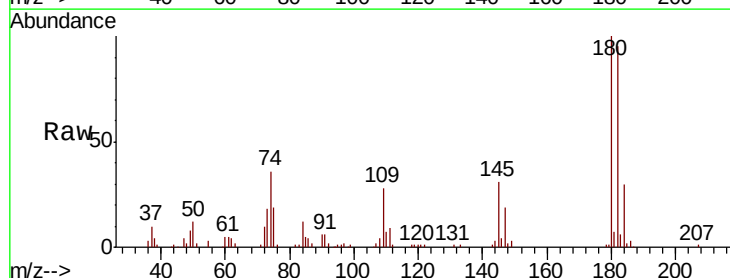


Abundance Ion 74.90 (74.60 to 75.60): VN062359.D (-3865) (-)

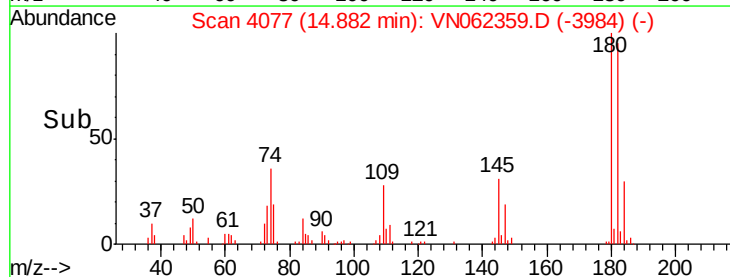
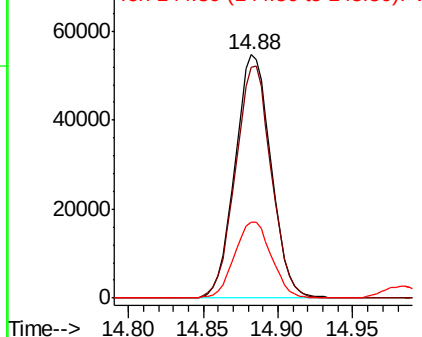


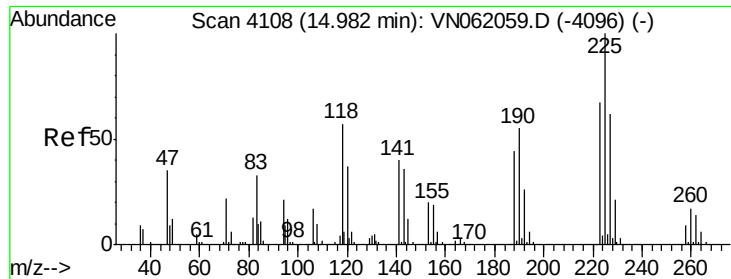
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.146 ug/l  
 RT: 14.88 min Scan# 4077  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 48.0  | 144.2 |
| 145     | 32.1  | 16.0  | 48.0  |



Abundance Ion 179.80 (179.50 to 180.50): VN062359.D (-4064) (-)





#94

Hexachlorobutadiene

Concen: 47.534 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

Instrument :

MSVOA\_N

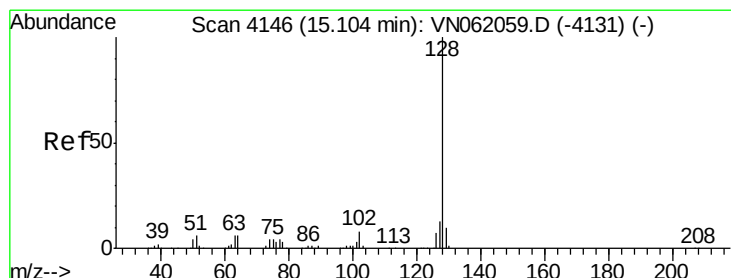
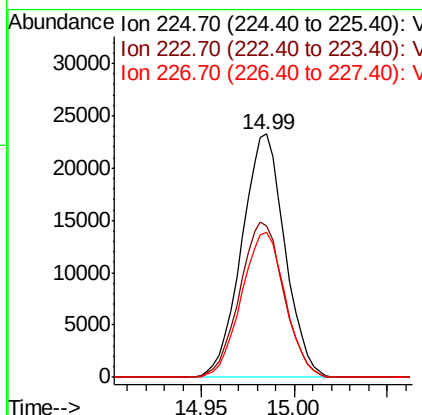
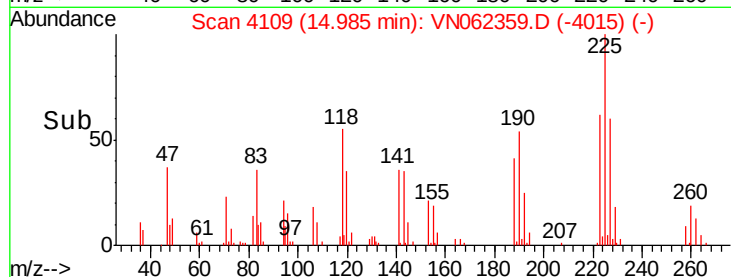
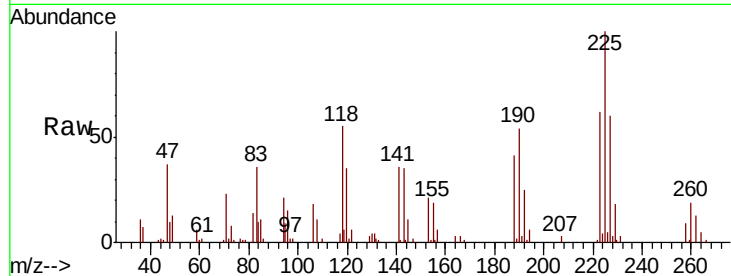
ClientSampleId :

33BR-20200625MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 225   | Resp: | 37720 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.9  | 32.9  | 98.7  |
| 227       | 60.5  | 31.3  | 93.8  |

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#95

Naphthalene

Concen: 47.070 ug/l

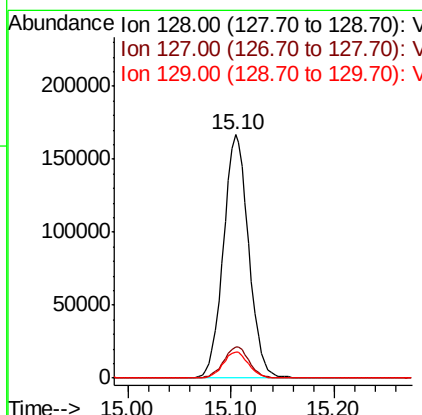
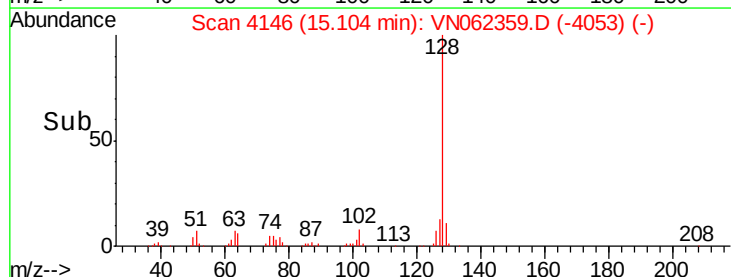
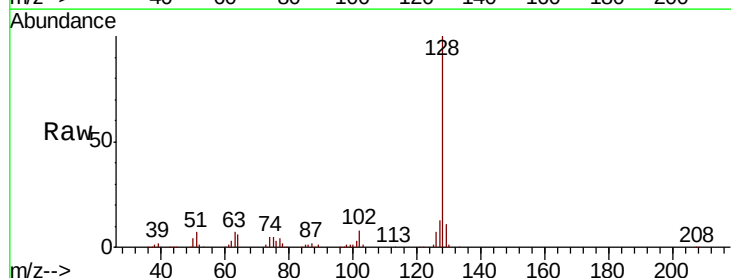
RT: 15.10 min Scan# 4146

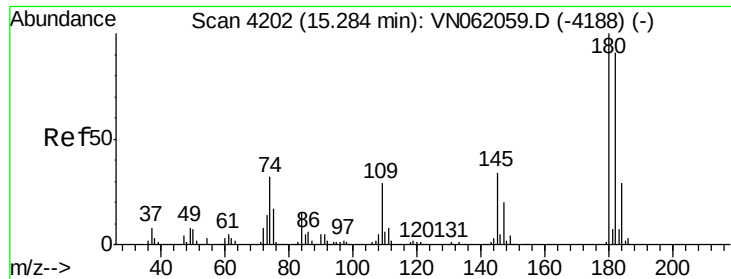
Delta R.T. 0.00 min

Lab File: VN062359.D

Acq: 3 Jul 2020 1:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 285189 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.5  | 15.7   |
| 129       | 10.8  | 8.6   | 13.0   |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 50.268 ug/l  
 RT: 15.28 min Scan# 4202  
 Delta R.T. -0.00 min  
 Lab File: VN062359.D  
 Acq: 3 Jul 2020 1:45

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 33BR-20200625MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 180   | Resp: | 93909 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.8  | 46.8  | 140.4 |
| 145       | 34.4  | 16.4  | 49.2  |

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