

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\  
 Data File : VN059721.D  
 Acq On : 16 Jan 2020 10:10  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/17/2020 1:52:50 PM

Quant Time: Jan 17 06:47:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 14 08:58:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 210693   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 317990   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 289042   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 143169   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 108753   | 46.48 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.96% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 93468    | 49.29 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.58% |      |
| 50) Toluene-d8            | 10.08  | 98  | 359664   | 48.95 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.90% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 129233   | 48.79 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.58% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 116146  | 46.722  | ug/l   | 98     |
| 3) Chloromethane              | 2.04 | 50  | 105700  | 43.820  | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.17 | 62  | 130894  | 47.427  | ug/l   | 97     |
| 5) Bromomethane               | 2.54 | 94  | 78163   | 46.407  | ug/l   | 99     |
| 6) Chloroethane               | 2.68 | 64  | 58864   | 45.081  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 155756  | 46.992  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.38 | 74  | 54123   | 46.529  | ug/l   | 84     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 88983   | 48.236  | ug/l   | 91     |
| 10) Methyl Iodide             | 3.93 | 142 | 136021  | 45.617  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 4.72 | 59  | 83224   | 211.286 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 87781   | 45.539  | ug/l   | 89     |
| 13) Acrolein                  | 3.58 | 56  | 38090   | 136.607 | ug/l   | 99     |
| 14) Allyl chloride            | 4.29 | 41  | 118466  | 45.595  | ug/l # | 89     |
| 15) Acrylonitrile             | 4.94 | 53  | 202314  | 225.168 | ug/l   | 99     |
| 16) Acetone                   | 3.78 | 43  | 190803  | 238.635 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.03 | 76  | 244303  | 44.490  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.28 | 43  | 119385  | 43.682  | ug/l   | 92     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 288712  | 45.938  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.52 | 84  | 96319   | 45.381  | ug/l   | 88     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 93230   | 45.500  | ug/l   | 89     |
| 22) Diisopropyl ether         | 5.91 | 45  | 270009  | 45.857  | ug/l # | 97     |
| 23) Vinyl Acetate             | 5.86 | 43  | 1042867 | 228.762 | ug/l # | 93     |
| 24) 1,1-Dichloroethane        | 5.81 | 63  | 164051  | 45.599  | ug/l   | 98     |
| 25) 2-Butanone                | 6.80 | 43  | 281513  | 212.460 | ug/l # | 90     |
| 26) 2,2-Dichloropropane       | 6.80 | 77  | 155851  | 45.060  | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 109502  | 46.463  | ug/l   | 87     |
| 28) Bromochloromethane        | 7.17 | 49  | 71633   | 49.816  | ug/l # | 73     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 170577  | 208.068 | ug/l   | 87     |
| 30) Chloroform                | 7.35 | 83  | 174522  | 46.818  | ug/l   | 99     |
| 31) Cyclohexane               | 7.63 | 56  | 148835  | 42.992  | ug/l   | 90     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 159311  | 46.222  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 129984  | 46.940  | ug/l   | 95     |
| 37) Ethyl Acetate             | 6.90 | 43  | 111020  | 42.745  | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 143621  | 47.678  | ug/l   | 100    |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/17/2020 1:52:50 PM

Quant Time: Jan 17 06:47:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 14 08:58:21 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.06  | 83   | 164155   | 48.076  | ug/l   | 92       |
| 40) Benzene                    | 8.02  | 78   | 386110   | 46.752  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 58441m   | 45.682  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 129509   | 46.251  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 195425   | 43.745  | ug/l # | 93       |
| 44) Trichloroethene            | 8.82  | 130  | 111289   | 49.362  | ug/l   | 91       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 97575    | 47.746  | ug/l   | 98       |
| 46) Dibromomethane             | 9.19  | 93   | 68451    | 47.483  | ug/l   | 91       |
| 47) Bromodichloromethane       | 9.39  | 83   | 140299   | 48.295  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.18  | 41   | 88613    | 44.346  | ug/l   | 89       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 34224    | 935.578 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 563270   | 218.115 | ug/l   | 95       |
| 52) Toluene                    | 10.14 | 92   | 250279   | 47.978  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 154748   | 47.707  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 164806   | 48.288  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 97794    | 47.334  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 146170   | 46.301  | ug/l   | 90       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 158567   | 48.342  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 152858   | 160.754 | ug/l   | 91       |
| 59) 2-Hexanone                 | 10.74 | 43   | 423522   | 222.614 | ug/l   | 94       |
| 60) Dibromochloromethane       | 10.89 | 129  | 114472   | 48.655  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 103366   | 47.734  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.62 | 164  | 104168   | 44.219  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.43 | 112  | 271137   | 47.725  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 105499   | 48.059  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.50 | 91   | 490533   | 47.563  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 376167   | 96.559  | ug/l   | 93       |
| 69) o-Xylene                   | 11.94 | 106  | 179746   | 47.129  | ug/l   | 95       |
| 70) Styrene                    | 11.96 | 104  | 306050   | 47.955  | ug/l   | 97       |
| 71) Bromoform                  | 12.12 | 173  | 86887    | 49.412  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 487537   | 46.432  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 175598   | 43.099  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 135706   | 44.583  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 121295m  | 50.343  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 125572   | 47.225  | ug/l   | 79       |
| 78) n-propylbenzene            | 12.59 | 91   | 553590   | 46.974  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 318342   | 45.406  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 409855   | 46.414  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 50276    | 44.811  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 328821   | 46.760  | ug/l   | 95       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 353267   | 46.256  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 411365   | 47.088  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 473137   | 47.153  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 437509   | 47.122  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 222458   | 48.164  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 220483   | 47.851  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.61 | 91   | 382809   | 48.357  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 81601    | 46.974  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 215690   | 47.236  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 29456    | 44.871  | ug/l   | 79       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Tue Jan 14 08:58:21 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 135931   | 49.542 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 72758    | 48.121 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 358810   | 45.976 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 128296   | 48.039 | ug/l  | 99       |

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

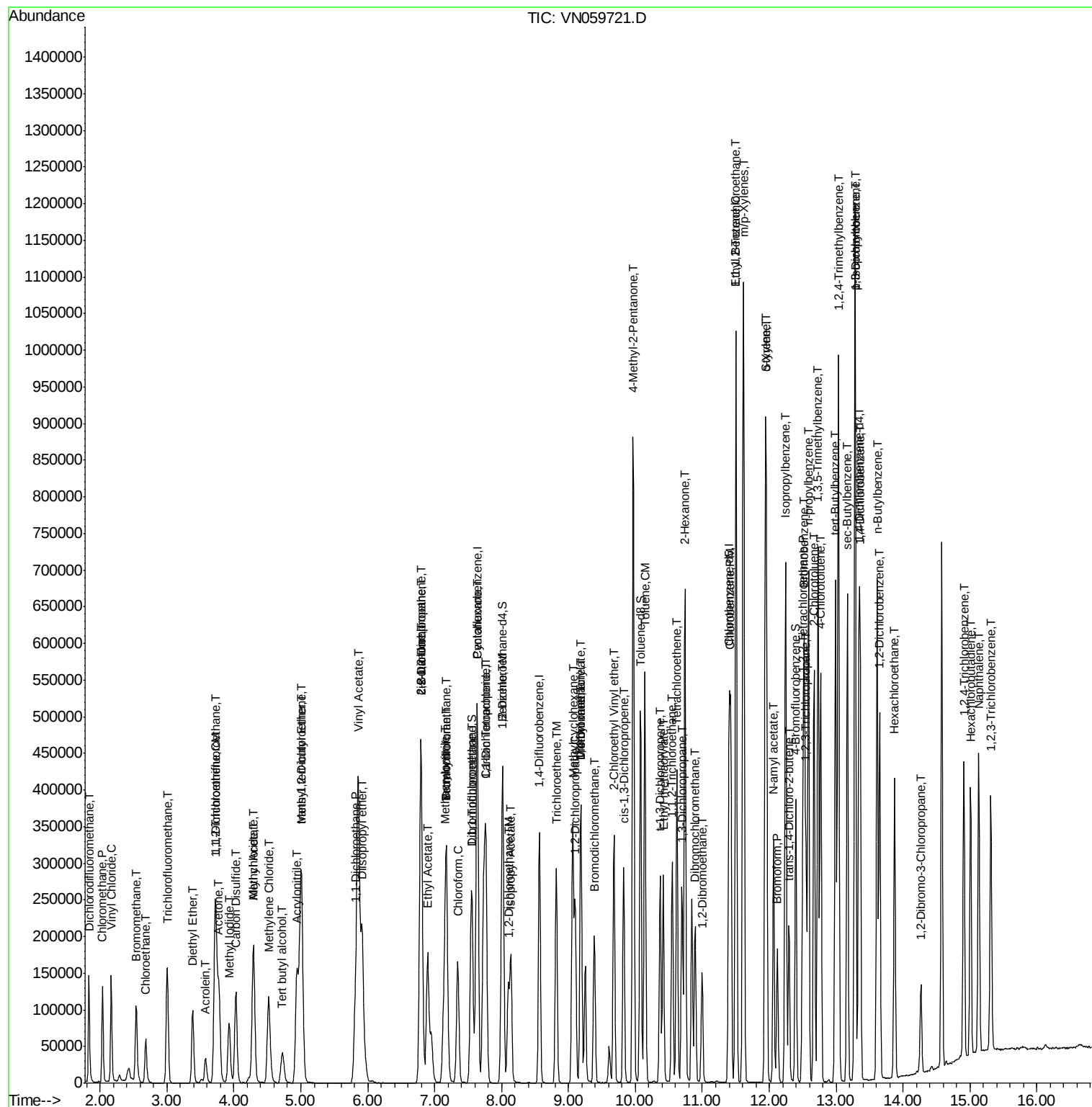
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\  
 Data File : VN059721.D  
 Acq On : 16 Jan 2020 10:10  
 Operator : JC/MD  
 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

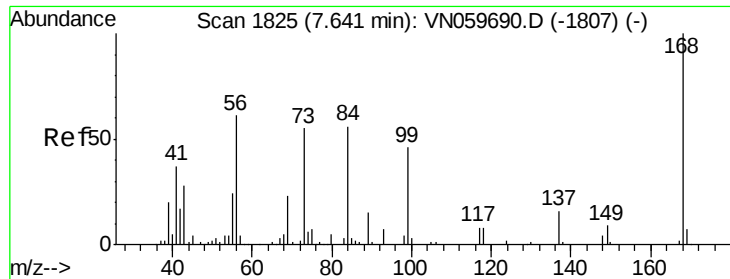
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/17/2020 1:52:50 PM

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 210693

Ion Ratio Lower Upper

168 100

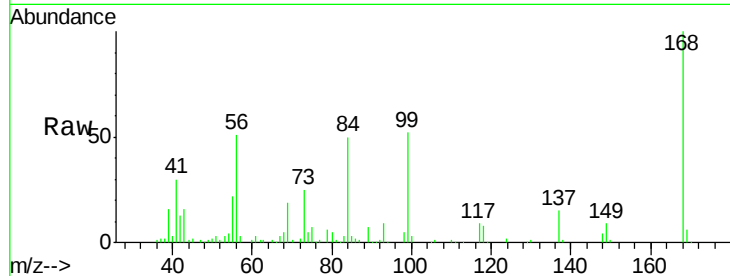
99 51.8 48.2 72.4

Manual Integrations

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1/17/2020 1:52:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

20000

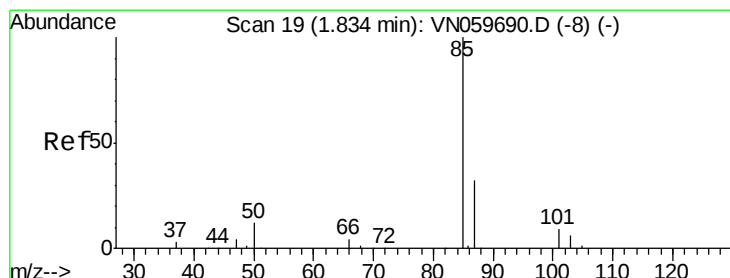
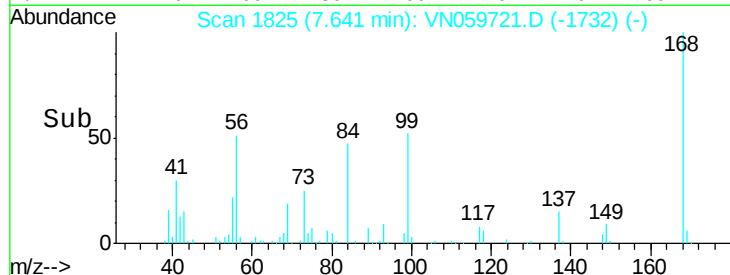
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.722 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059721.D

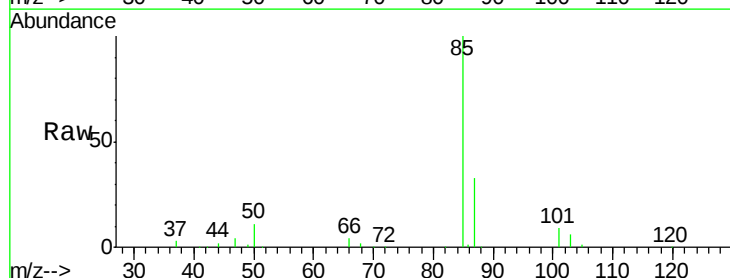
Acq: 16 Jan 2020 10:10

Tgt Ion: 85 Resp: 116146

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

40000

20000

0

1.75

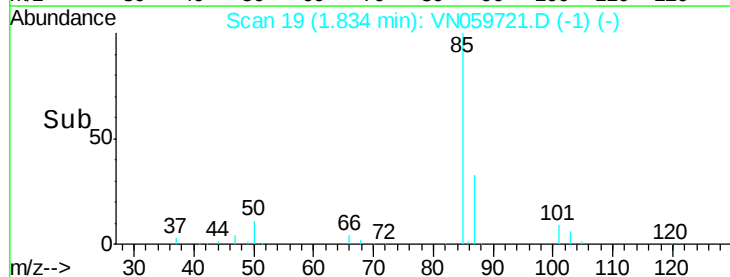
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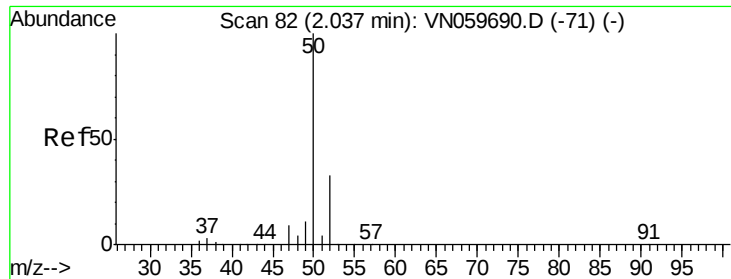
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 43.820 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105700

Ion Ratio Lower Upper

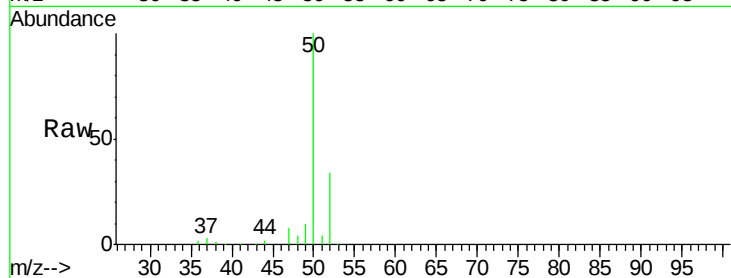
50 100

52 34.3 25.9 38.9

Manual Integrations  
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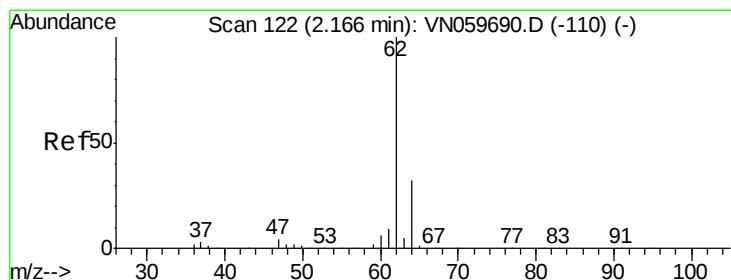
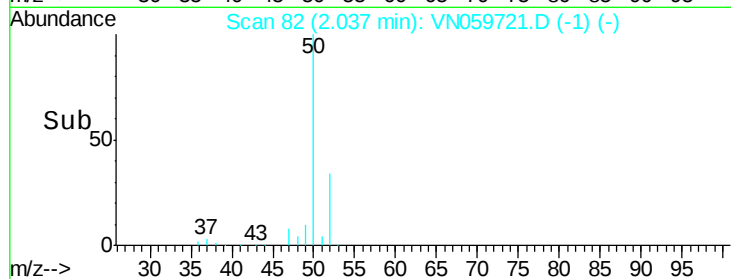
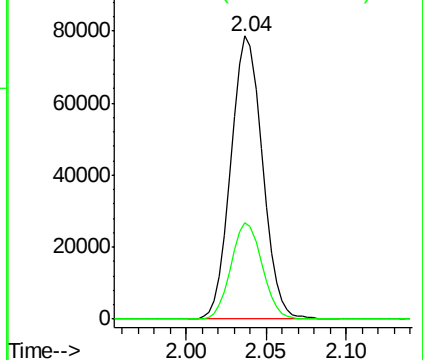
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 47.427 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059721.D

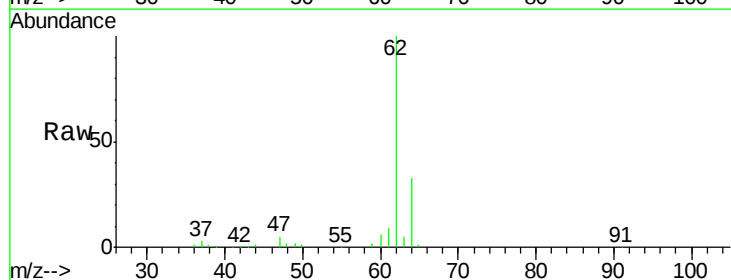
Acq: 16 Jan 2020 10:10

Tgt Ion: 62 Resp: 130894

Ion Ratio Lower Upper

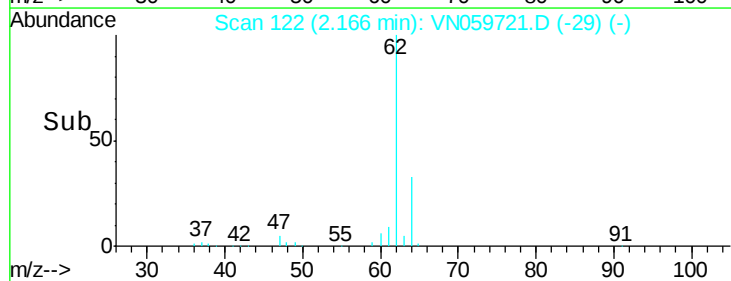
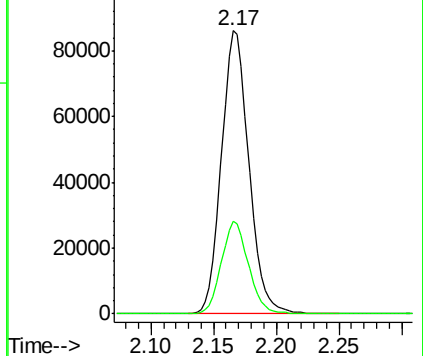
62 100

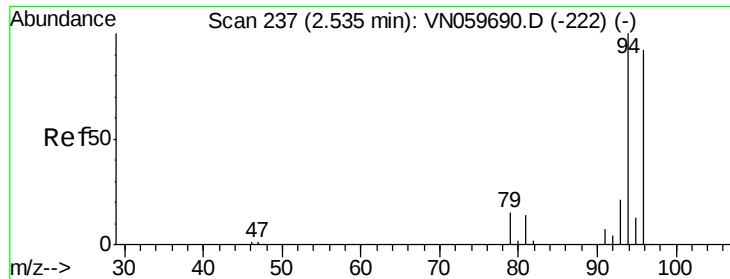
64 32.5 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





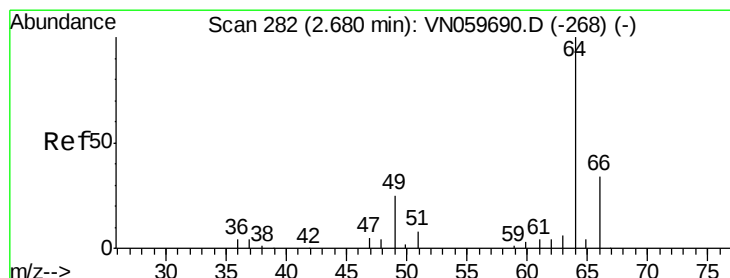
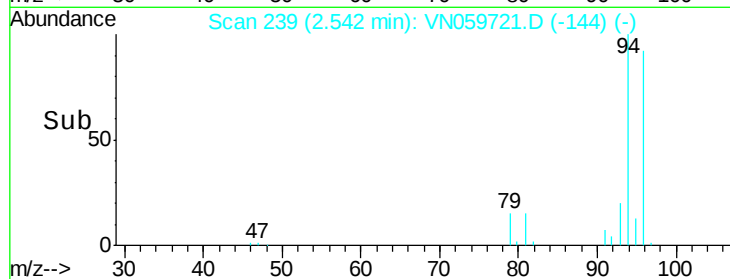
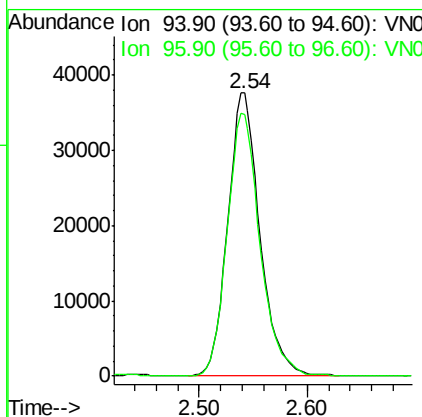
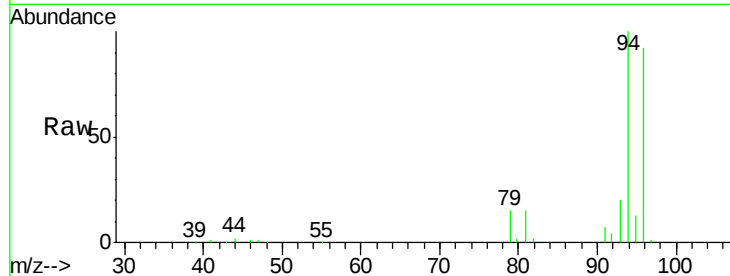
#5  
Bromomethane  
Concen: 46.407 ug/l  
RT: 2.54 min Scan# 239  
Delta R.T. 0.01 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 94 Resp: 78163  
Ion Ratio Lower Upper  
94 100  
96 92.5 74.7 112.1

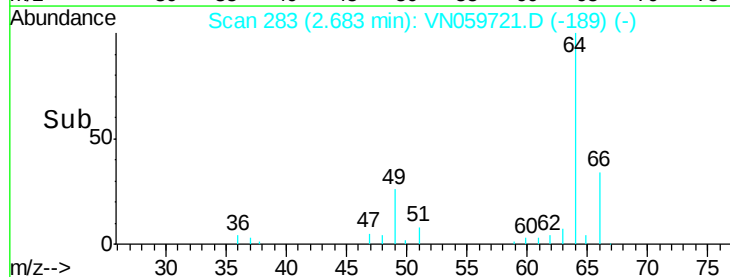
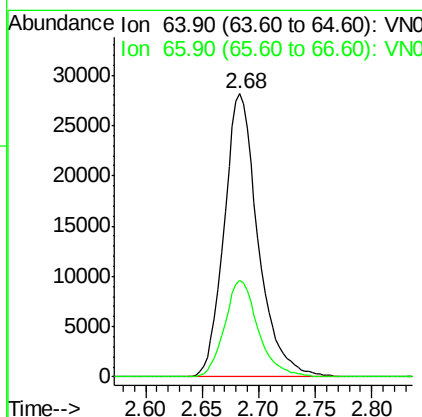
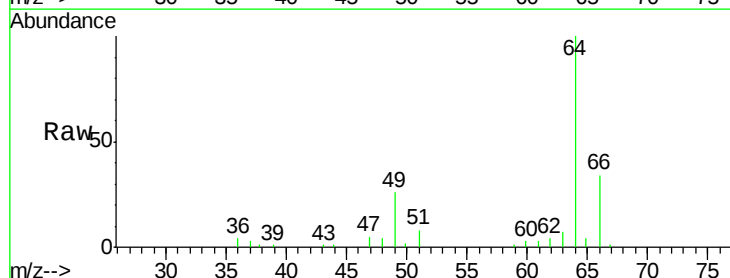
Manual Integrations  
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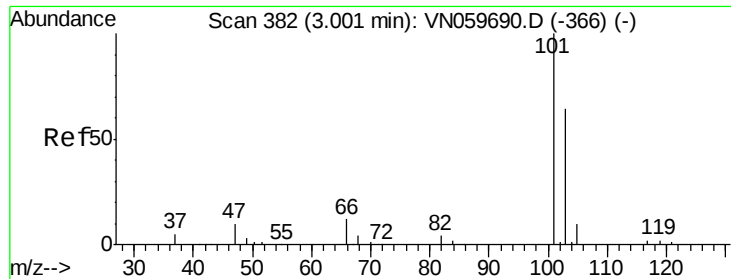
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#6  
Chloroethane  
Concen: 45.081 ug/l  
RT: 2.68 min Scan# 283  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Tgt Ion: 64 Resp: 58864  
Ion Ratio Lower Upper  
64 100  
66 34.0 25.1 37.7





#7

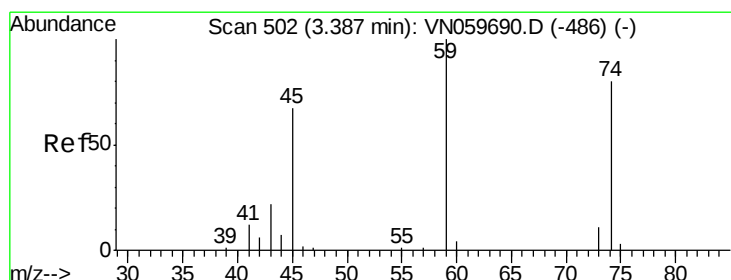
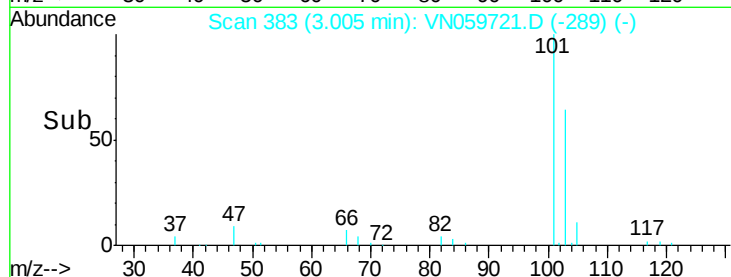
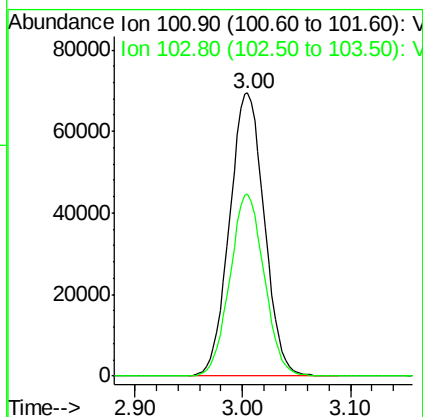
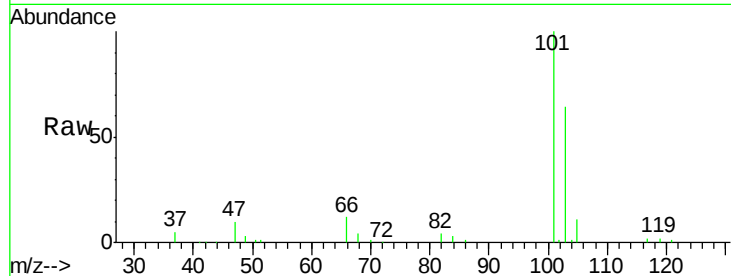
Trichlorofluoromethane  
Concen: 46.992 ug/l  
RT: 3.00 min Scan# 383  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:101 Resp: 155756  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.0 76.6

Manual Integrations  
APPROVED

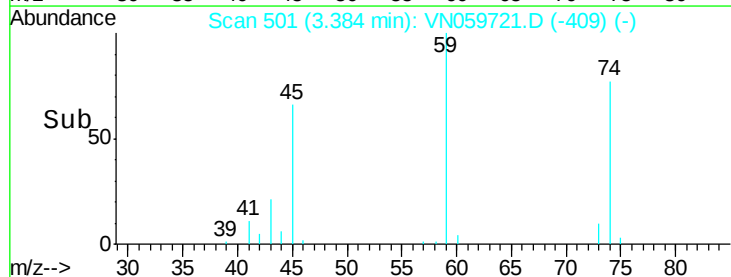
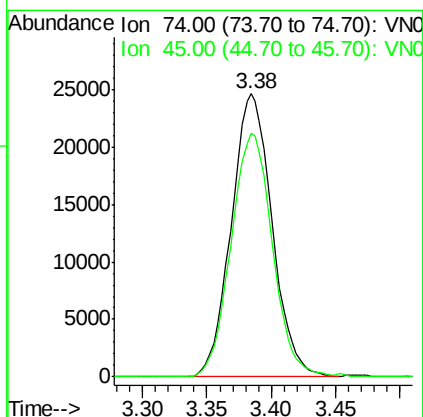
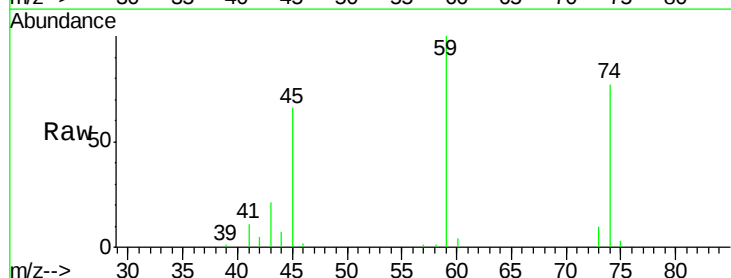
MMDadoda  
1/17/2020 1:52:50 PM

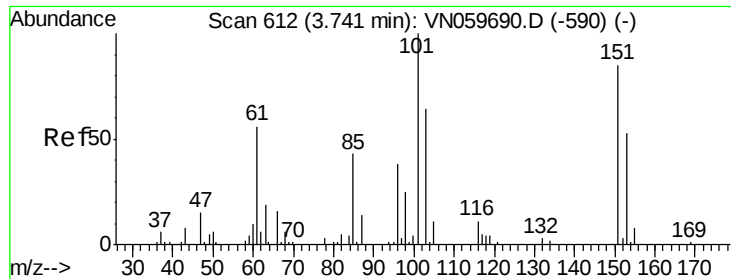


#8

Diethyl Ether  
Concen: 46.529 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. -0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Tgt Ion: 74 Resp: 54123  
Ion Ratio Lower Upper  
74 100  
45 87.2 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.236 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

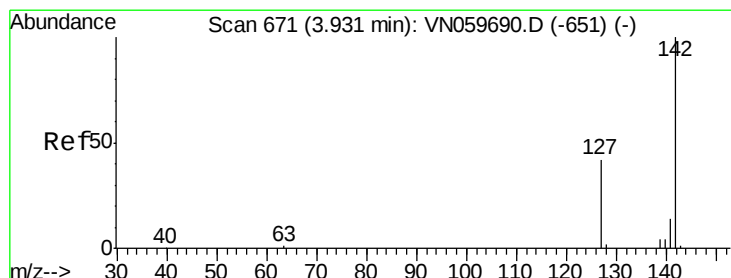
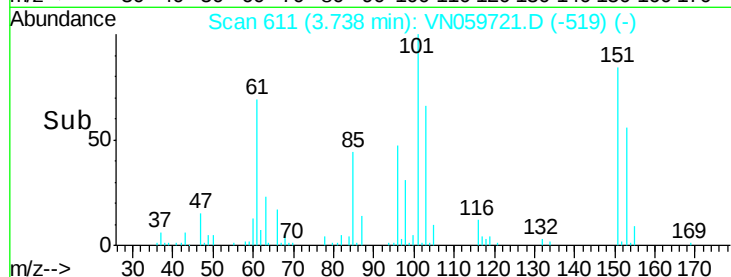
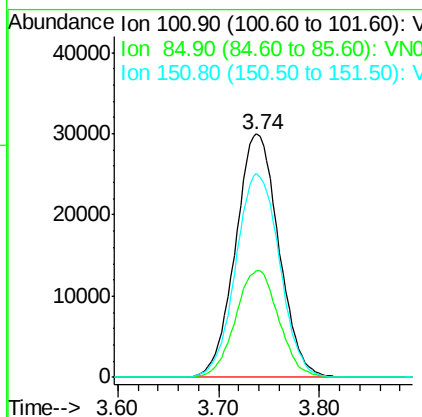
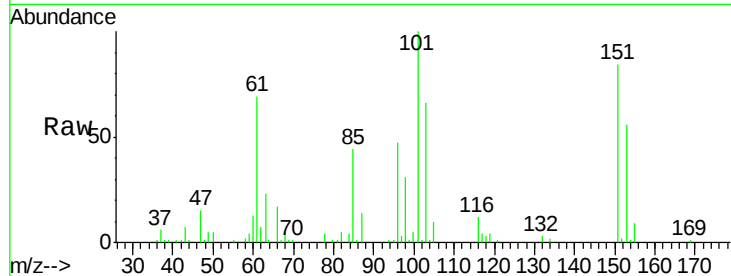
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 88983 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.0  | 36.6  | 54.8  |
| 151       | 84.9  | 59.7  | 89.5  |

Manual Integrations  
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1/17/2020 1:52:50 PM



#10

Methyl Iodide

Concen: 45.617 ug/l

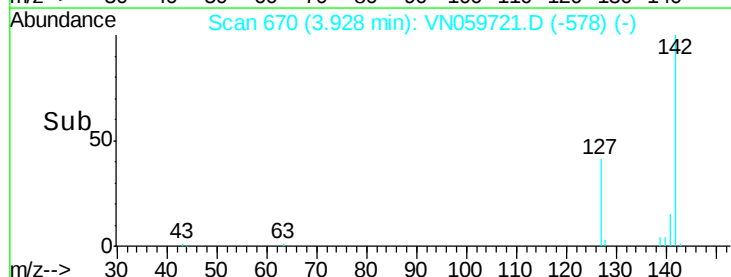
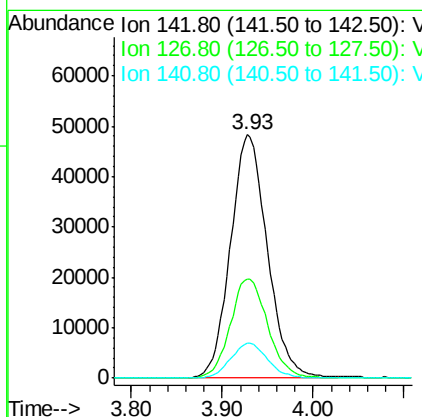
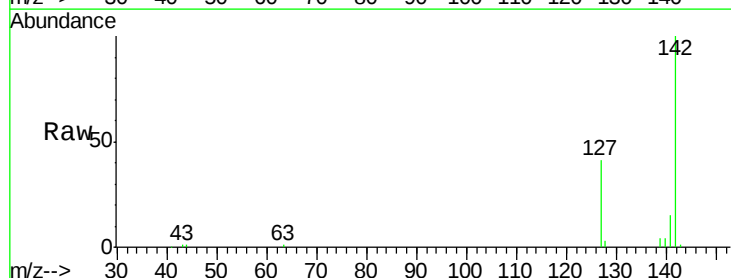
RT: 3.93 min Scan# 670

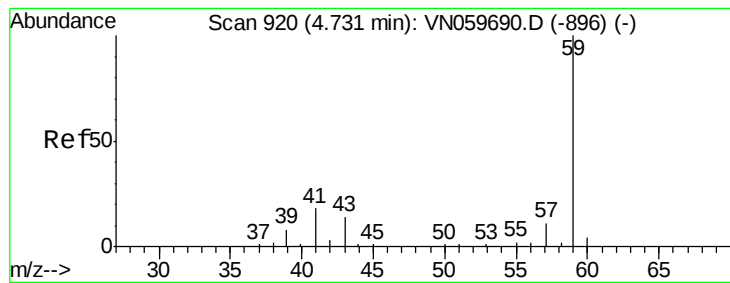
Delta R.T. -0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 136021 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.3  | 36.7  | 55.1   |
| 141       | 14.4  | 11.7  | 17.5   |





#11

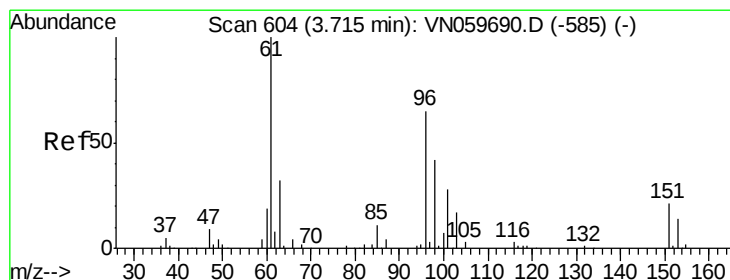
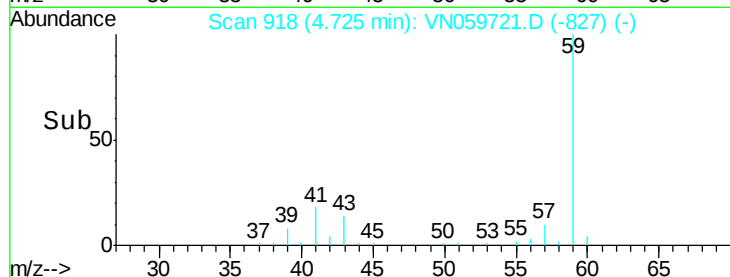
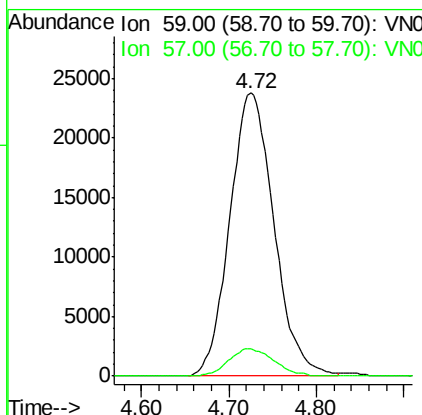
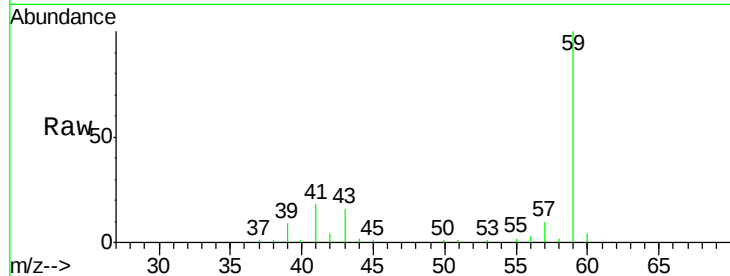
Tert butyl alcohol  
Concen: 211.286 ug/l  
RT: 4.72 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.9   | 8.6   | 12.8  |

Manual Integrations  
APPROVED

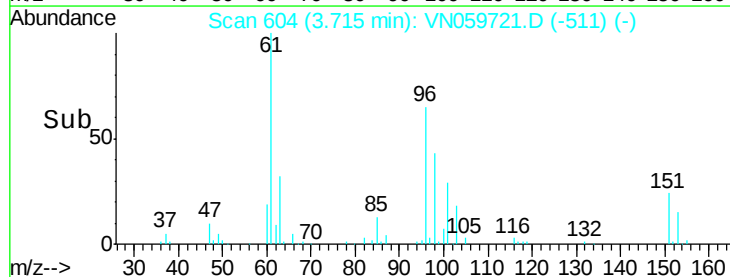
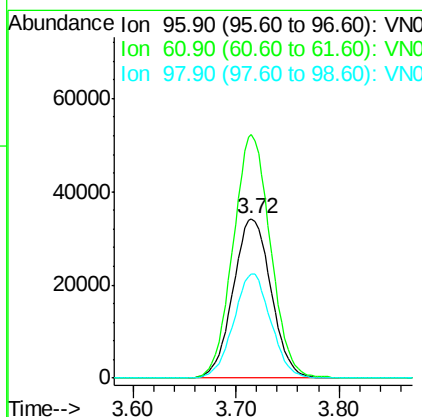
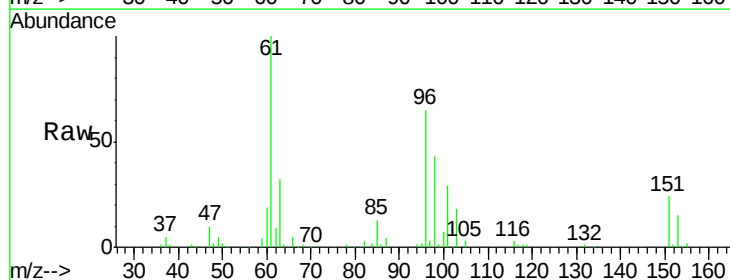
MMDadoda  
1/17/2020 1:52:50 PM

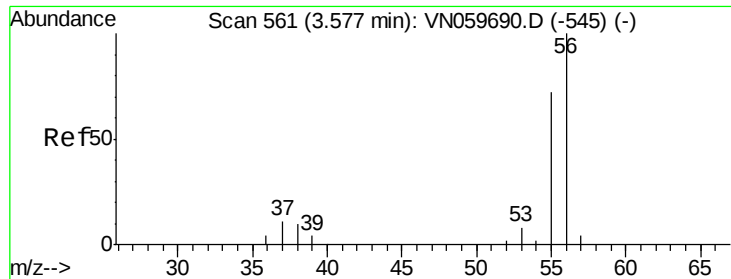


#12

1,1-Dichloroethene  
Concen: 45.539 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 153.0 | 137.5 | 206.3 |
| 98      | 65.3  | 50.2  | 75.4  |





#13

Acrolein

Concen: 136.607 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38090

Ion Ratio Lower Upper

56 100

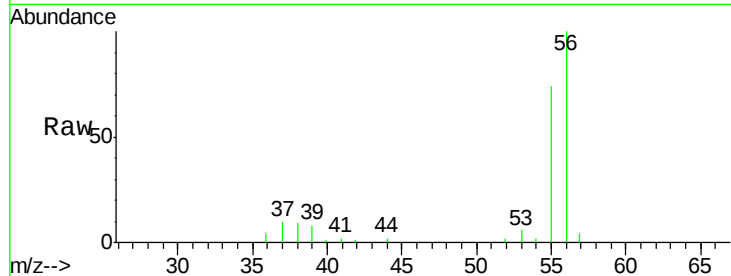
55 72.1 58.6 88.0

Manual Integrations

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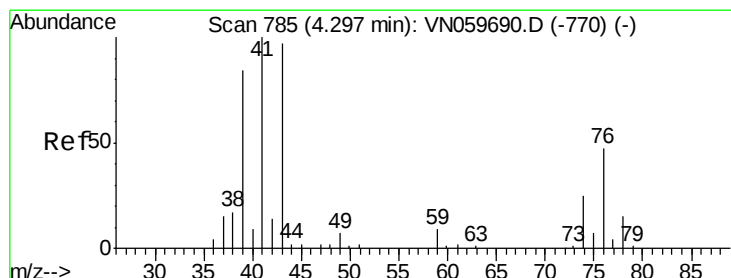
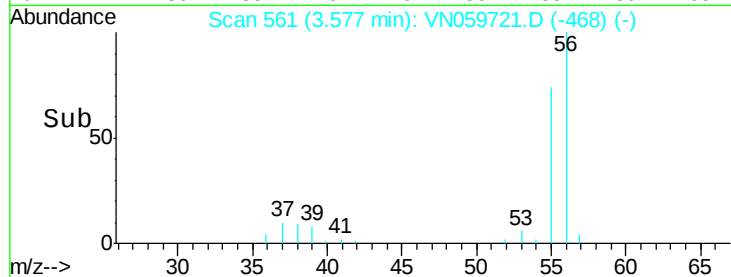
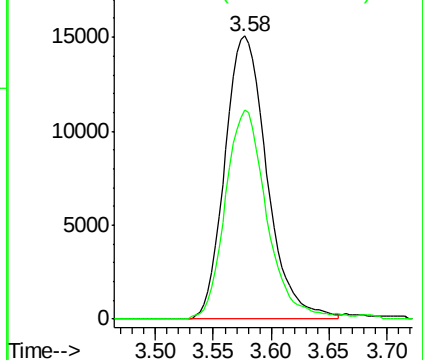
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.595 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

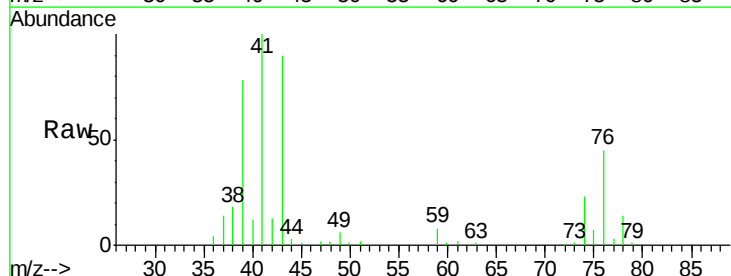
Tgt Ion: 41 Resp: 118466

Ion Ratio Lower Upper

41 100

39 77.5 57.8 86.8

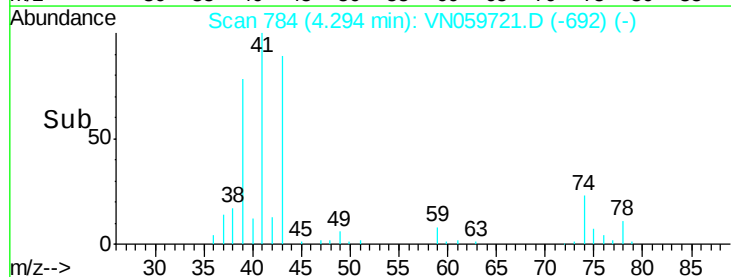
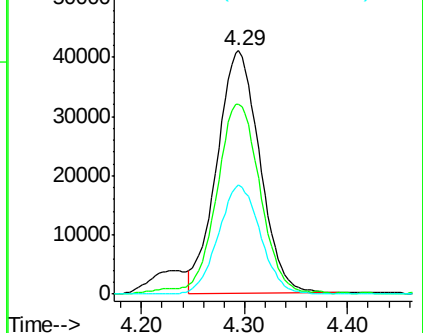
76 44.0 25.4 38.0#

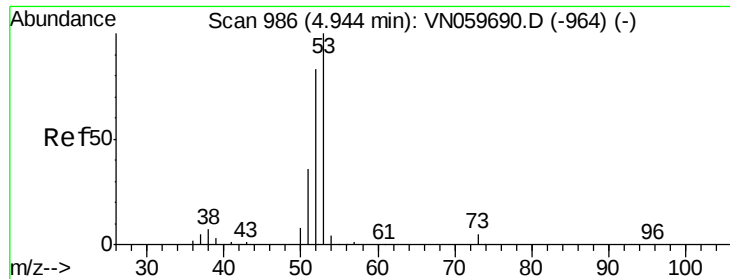


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 225.168 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

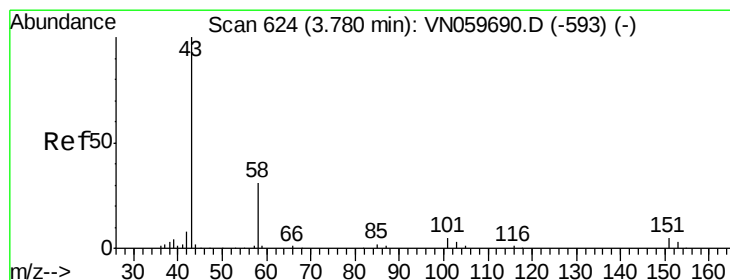
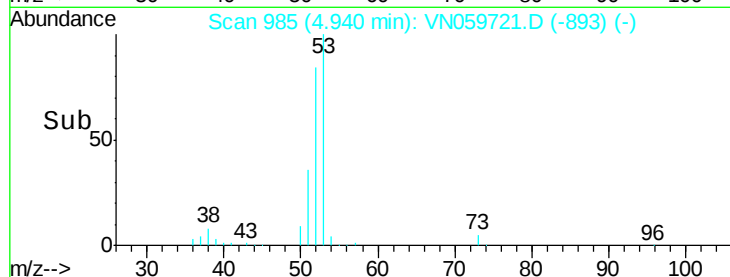
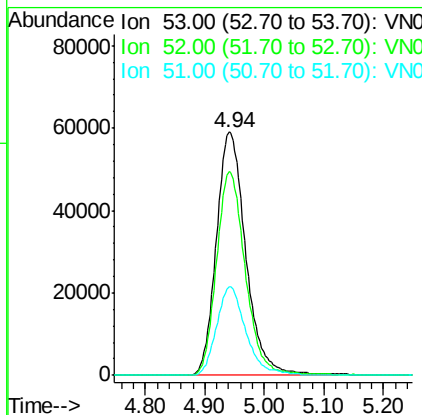
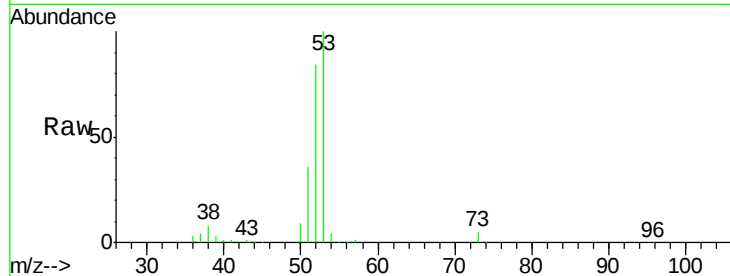
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 202314 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.8  | 66.3  | 99.5   |
| 51        | 36.4  | 29.7  | 44.5   |

Manual Integrations  
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#16

Acetone

Concen: 238.635 ug/l

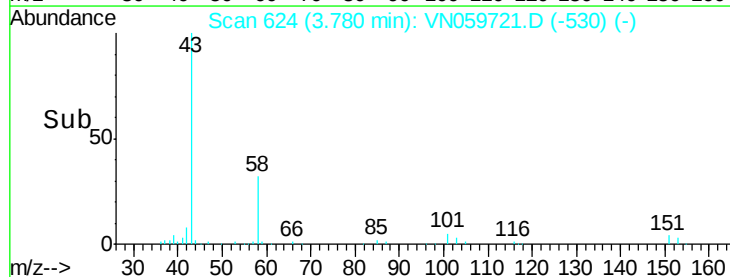
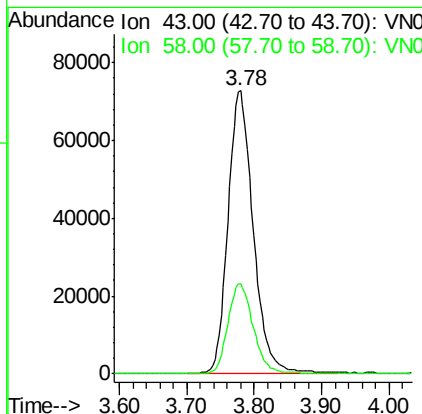
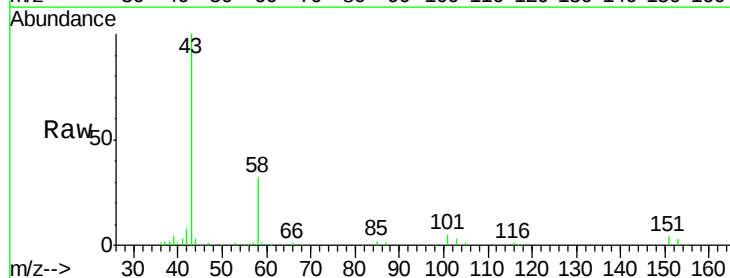
RT: 3.78 min Scan# 624

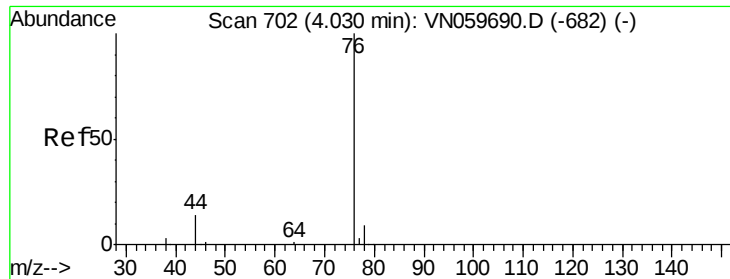
Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 190803 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 31.8  | 23.6  | 35.4   |





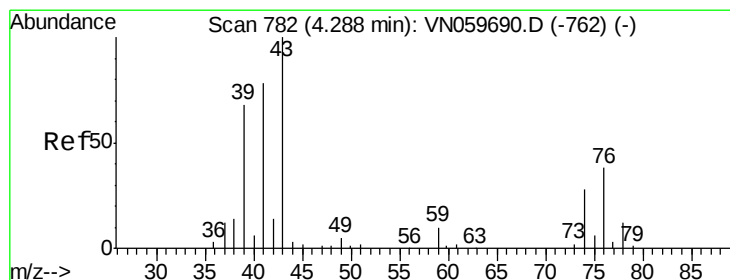
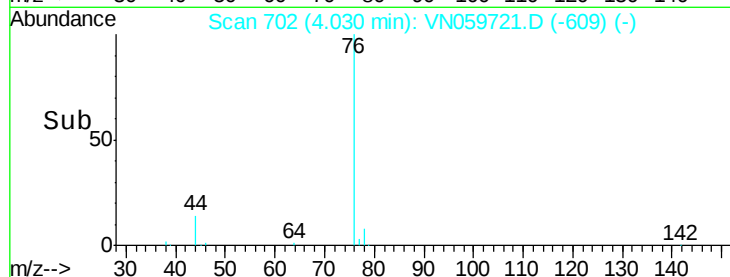
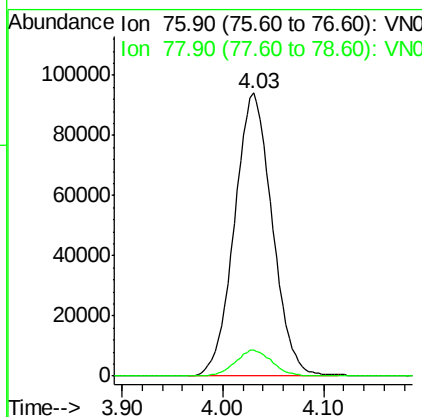
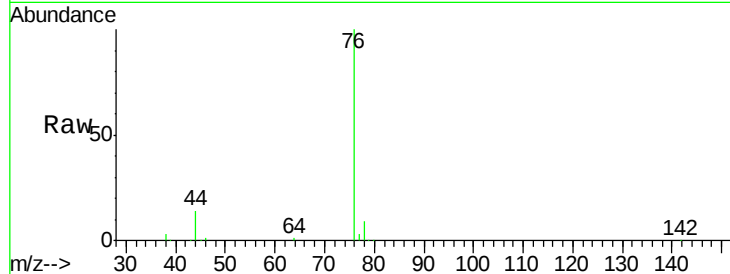
#17  
Carbon Disulfide  
Concen: 44.490 ug/l  
RT: 4.03 min Scan# 702  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 76 Resp: 244303  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.4 11.0

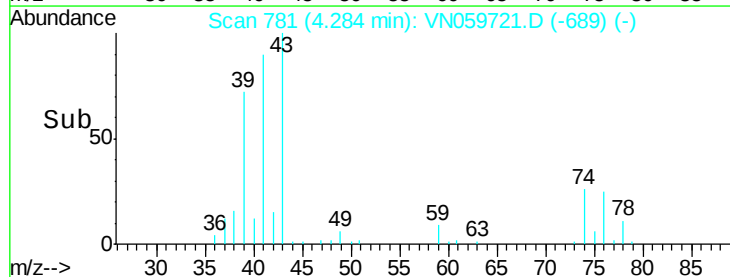
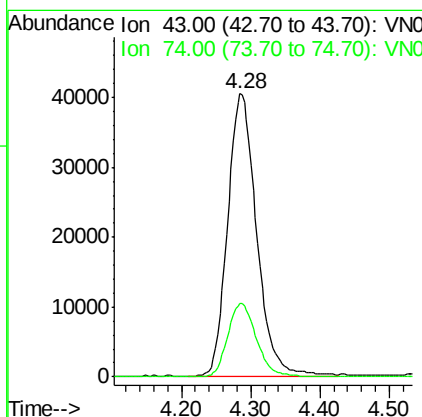
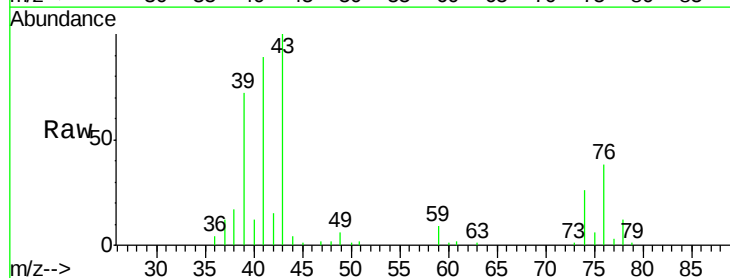
Manual Integrations  
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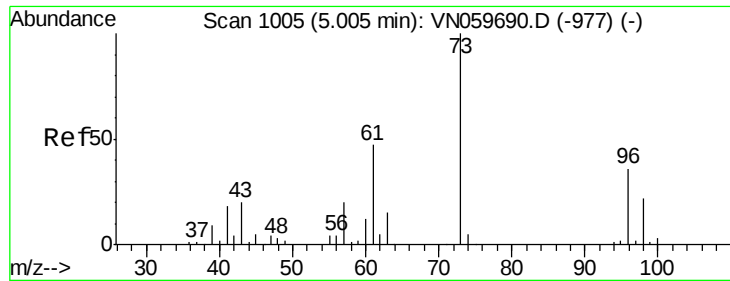
MMDadoda  
1/17/2020 1:52:50 PM



#18  
Methyl Acetate  
Concen: 43.682 ug/l  
RT: 4.28 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Tgt Ion: 43 Resp: 119385  
Ion Ratio Lower Upper  
43 100  
74 25.5 17.5 26.3





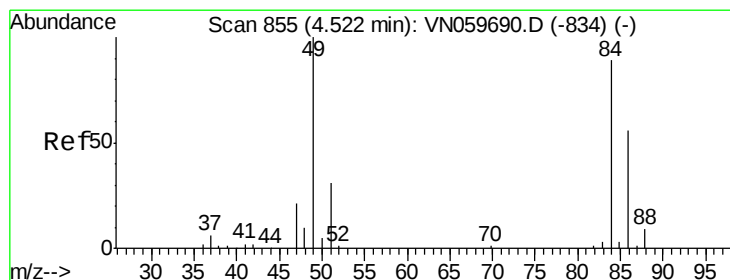
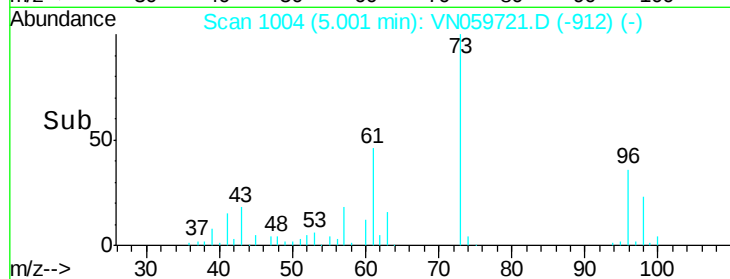
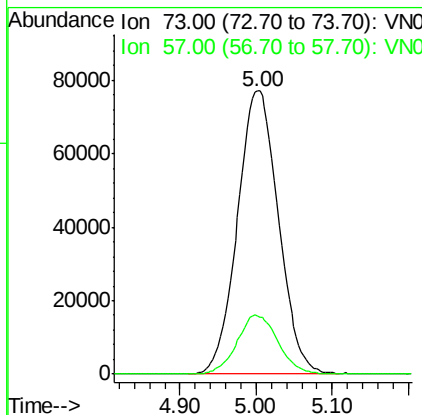
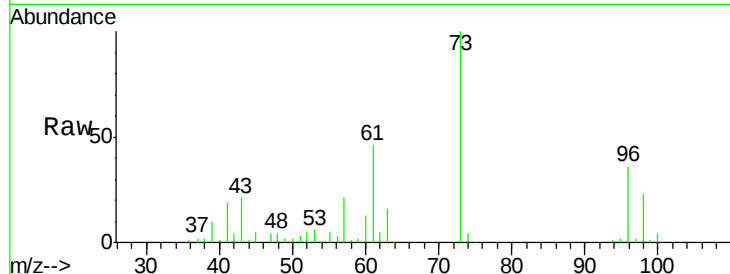
#19  
Methvl tert-butvl Ether  
Concen: 45.938 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 288712  
Ion Ratio Lower Upper  
73 100  
57 20.6 18.6 27.8

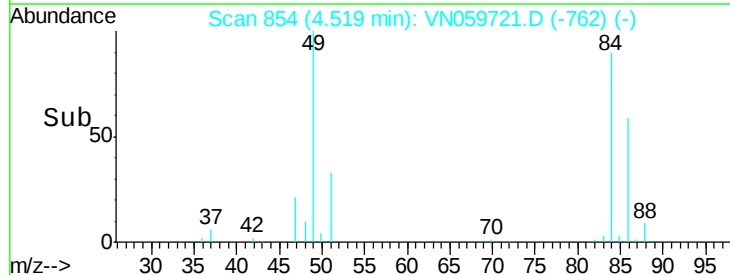
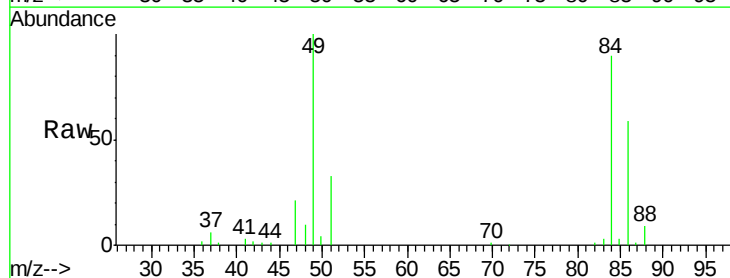
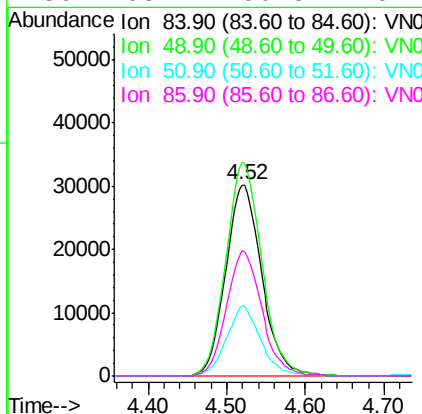
Manual Integrations  
APPROVED

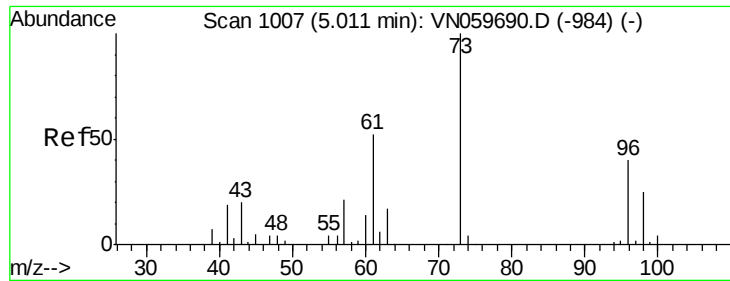
MMDadoda  
1/17/2020 1:52:50 PM



#20  
Methylene Chloride  
Concen: 45.381 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Tgt Ion: 84 Resp: 96319  
Ion Ratio Lower Upper  
84 100  
49 111.7 106.6 160.0  
51 36.6 31.9 47.9  
86 65.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 45.500 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 93230

Ion Ratio Lower Upper

96 100

61 132.5 120.4 180.6

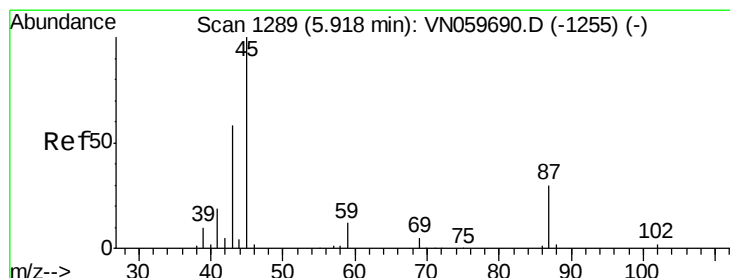
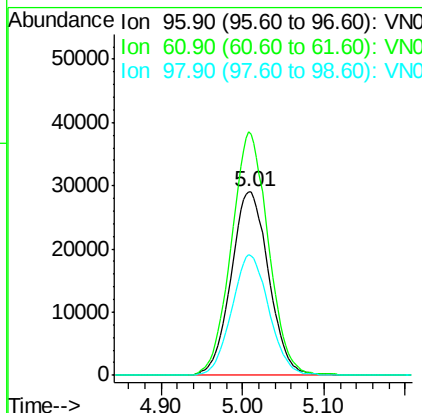
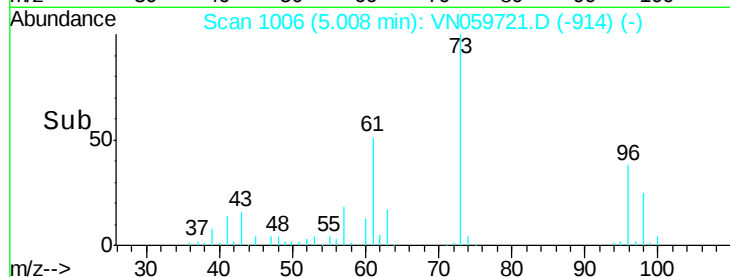
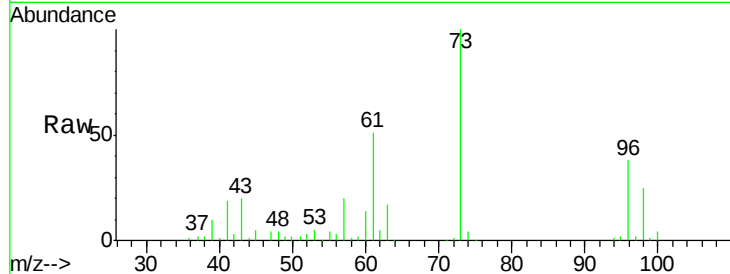
98 65.6 50.6 75.8

Manual Integrations

APPROVED

MMDadoda

1/17/2020 1:52:50 PM



#22

Diisopropyl ether

Concen: 45.857 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Tgt Ion: 45 Resp: 270009

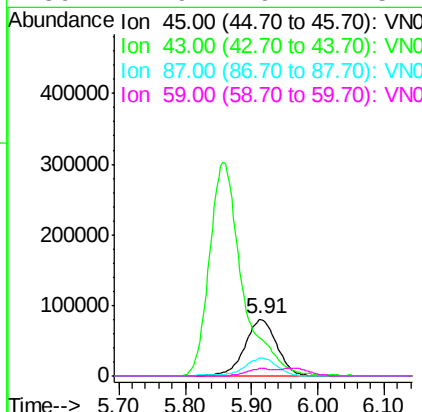
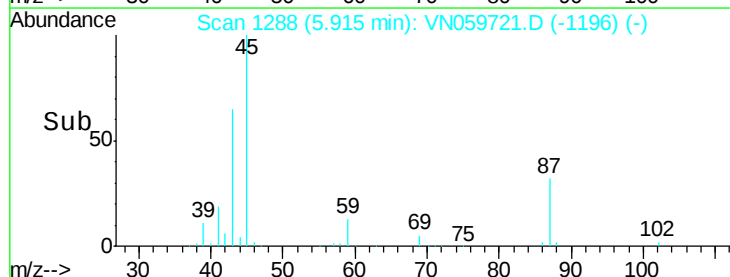
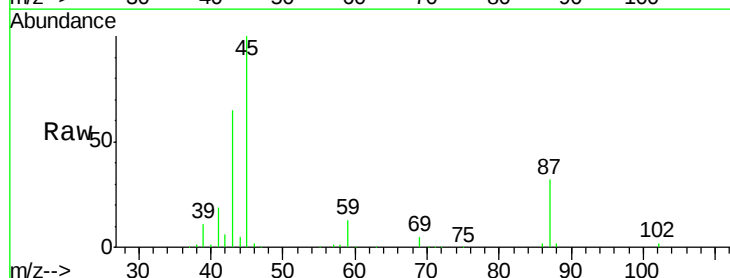
Ion Ratio Lower Upper

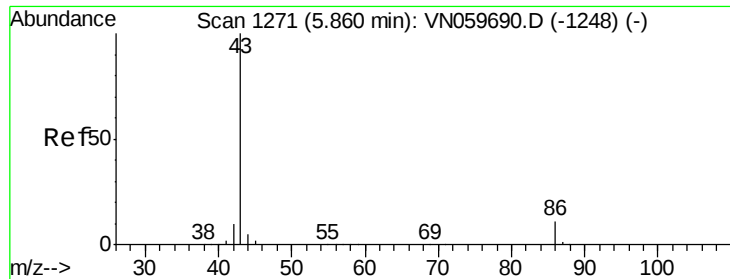
45 100

43 63.7 50.8 76.2

87 31.8 21.0 31.6#

59 12.9 9.1 13.7





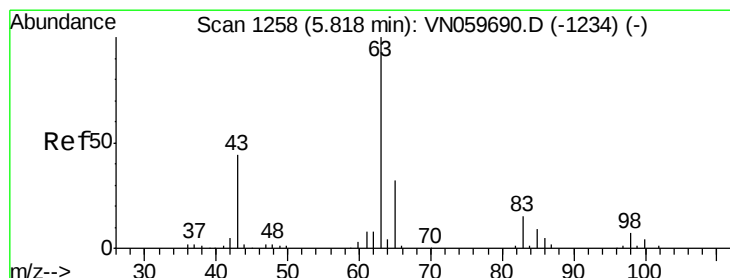
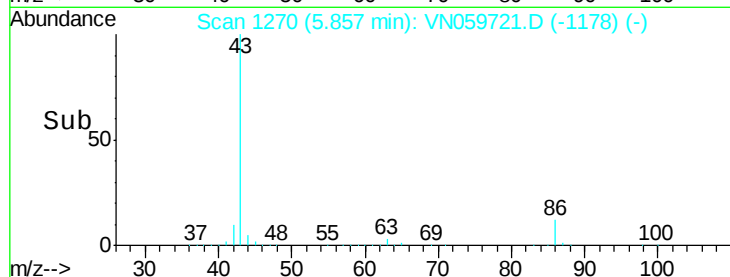
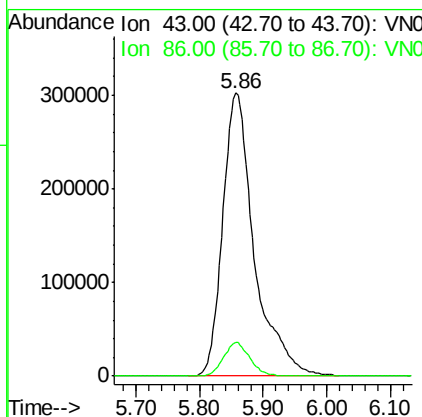
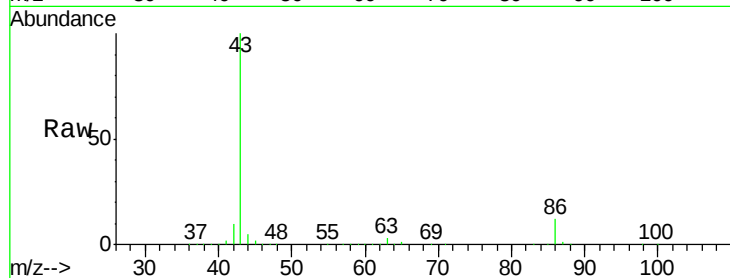
#23  
 Vinyl Acetate  
 Concen: 228.762 ug/l  
 RT: 5.86 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 1042867  
 Ion Ratio Lower Upper  
 43 100  
 86 12.0 7.6 11.4#

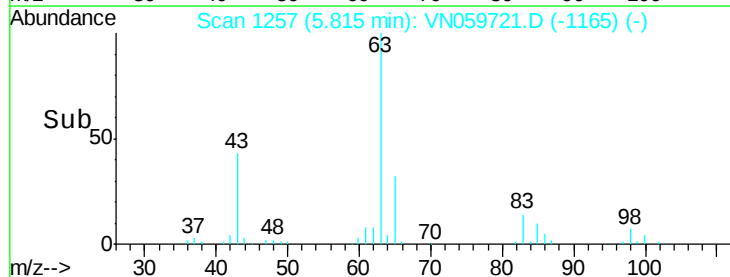
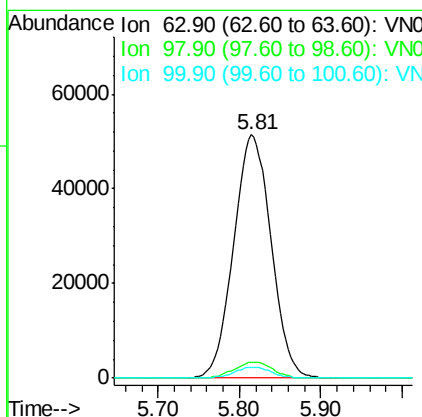
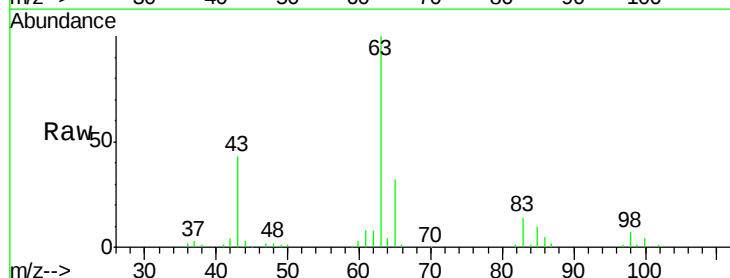
Manual Integrations  
 APPROVED

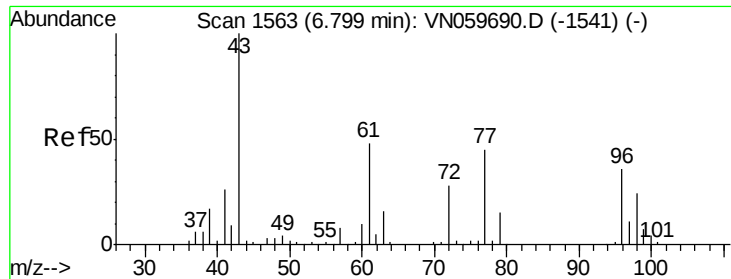
MMDadoda  
 1/17/2020 1:52:50 PM



#24  
 1,1-Dichloroethane  
 Concen: 45.599 ug/l  
 RT: 5.81 min Scan# 1257  
 Delta R.T. -0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Tgt Ion: 63 Resp: 164051  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 2.9 8.7  
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 212.460 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 281513

Ion Ratio Lower Upper

43 100

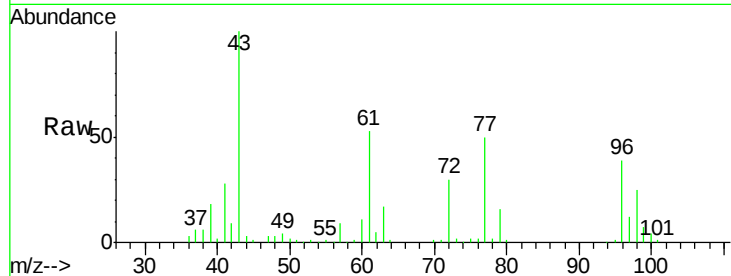
72 29.9 19.9 29.9#

Manual Integrations

APPROVED

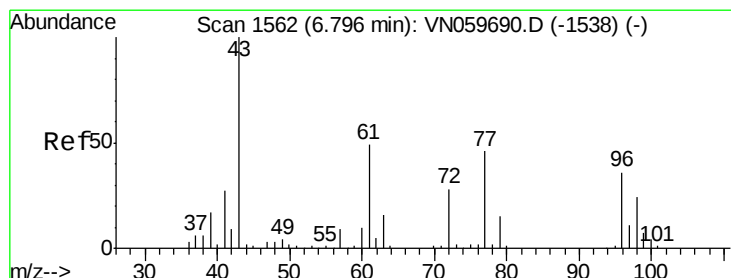
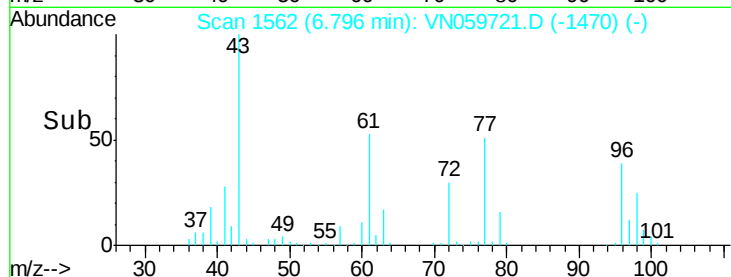
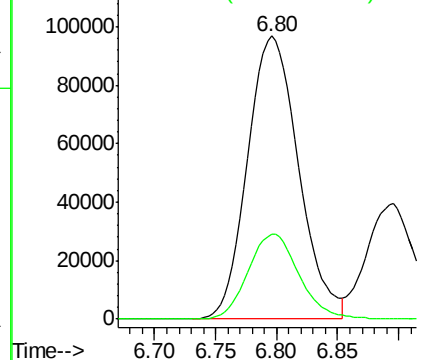
MMDadoda

1/17/2020 1:52:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 45.060 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059721.D

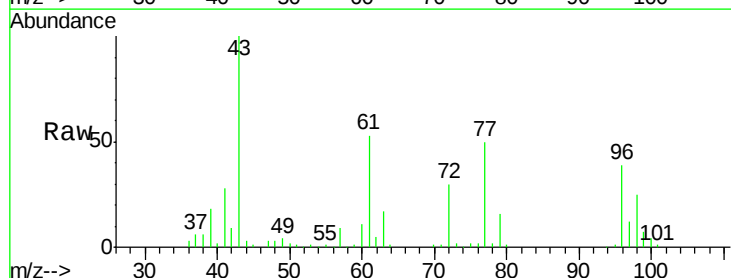
Acq: 16 Jan 2020 10:10

Tgt Ion: 77 Resp: 155851

Ion Ratio Lower Upper

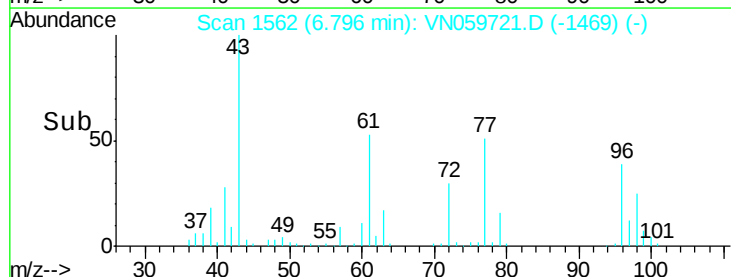
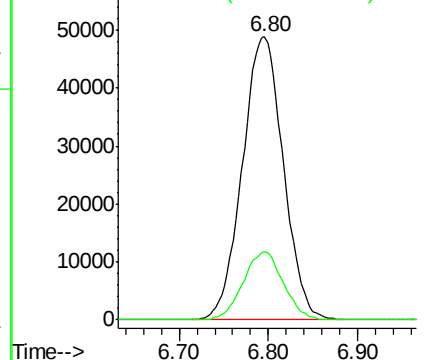
77 100

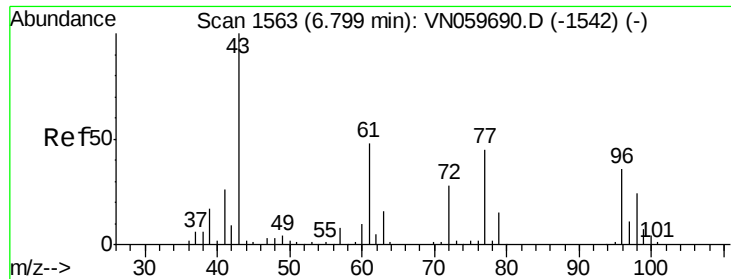
97 23.5 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





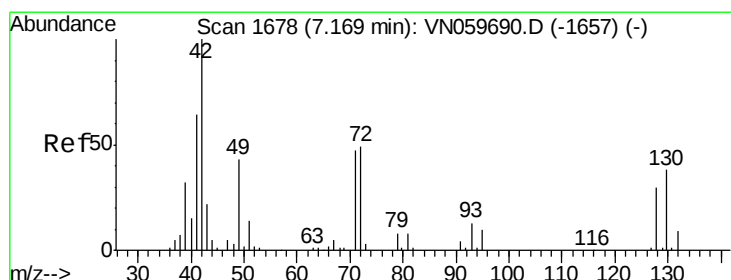
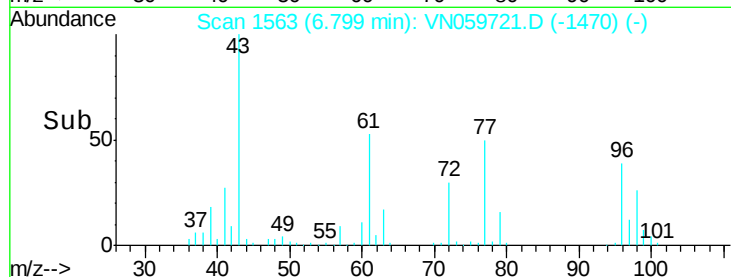
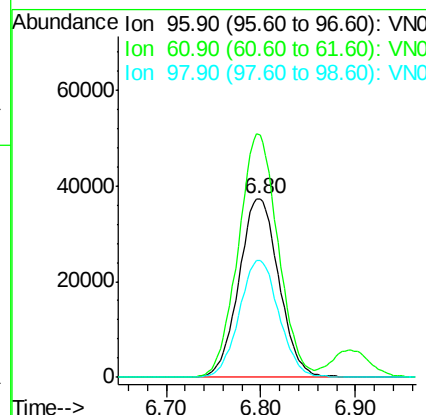
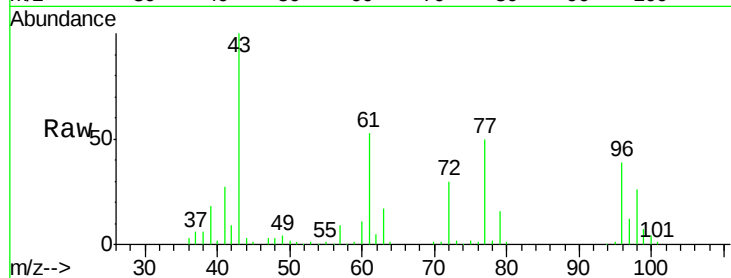
#27  
 cis-1,2-Dichloroethene  
 Concen: 46.463 ug/l  
 RT: 6.80 min Scan# 1563  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 135.5 | 0.0  | 317.6 |       |
| 98      | 65.0  | 0.0  | 127.0 |       |

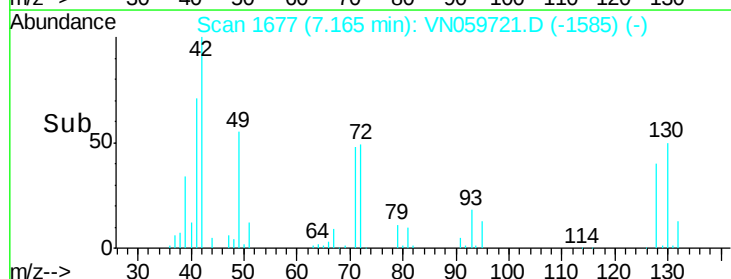
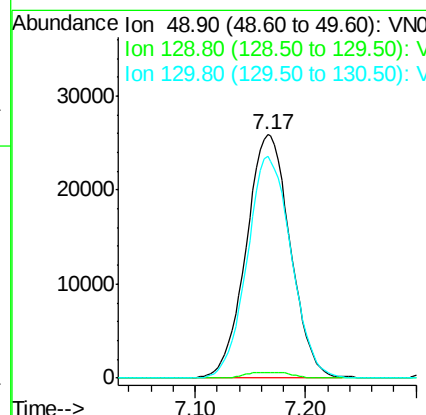
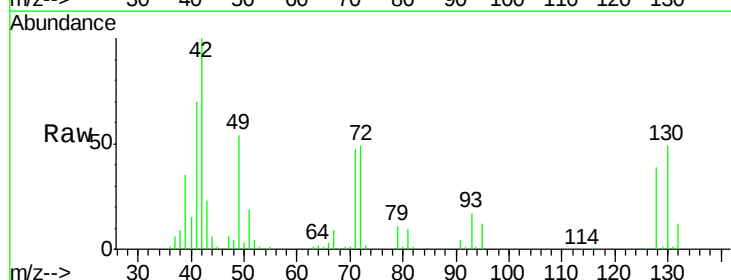
Manual Integrations  
 APPROVED

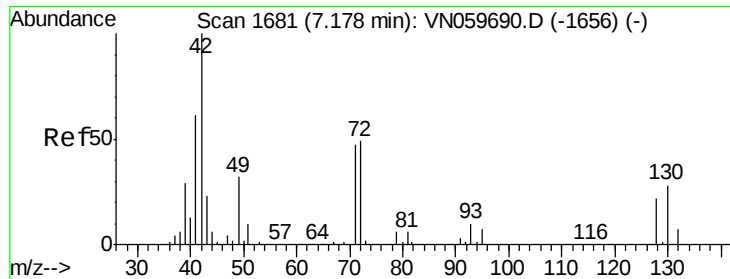
MMDadoda  
 1/17/2020 1:52:50 PM



#28  
 Bromochloromethane  
 Concen: 49.816 ug/l  
 RT: 7.17 min Scan# 1677  
 Delta R.T. -0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.6   | 0.0  | 3.4   |       |
| 130     | 91.1  | 54.7 | 82.1# |       |





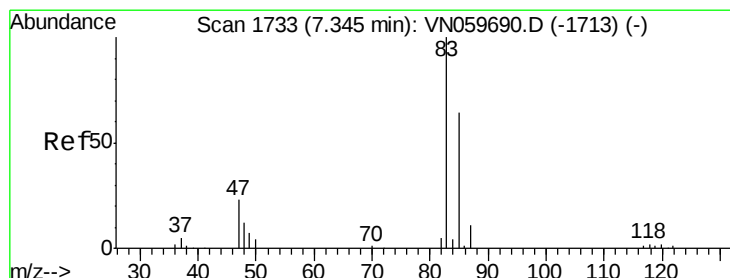
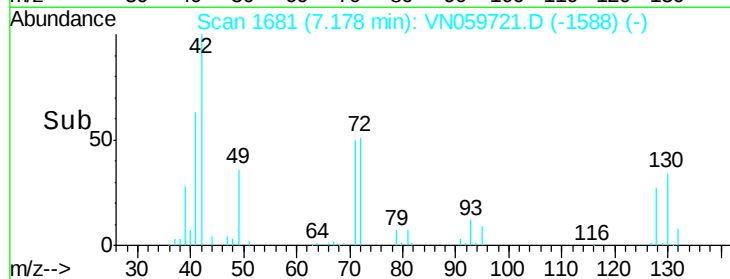
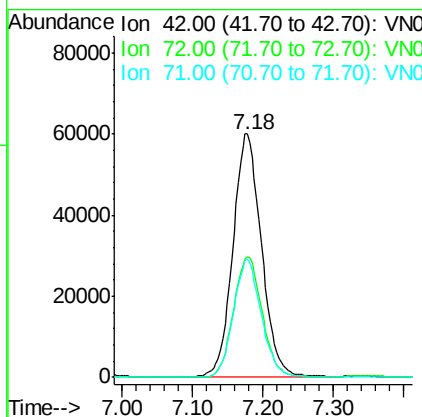
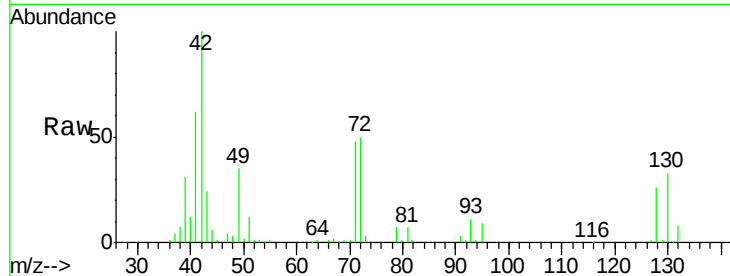
#29  
Tetrahydrofuran  
Concen: 208.068 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 49.5  | 33.1  | 49.7  |
| 71      | 46.9  | 31.4  | 47.0  |

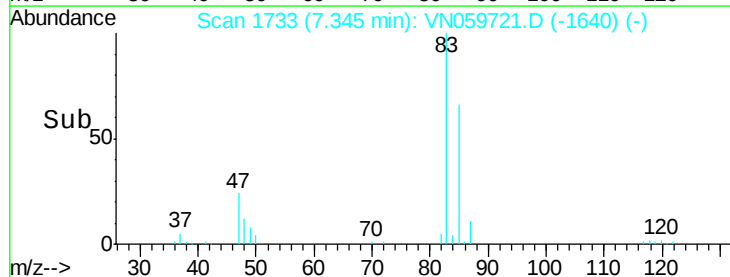
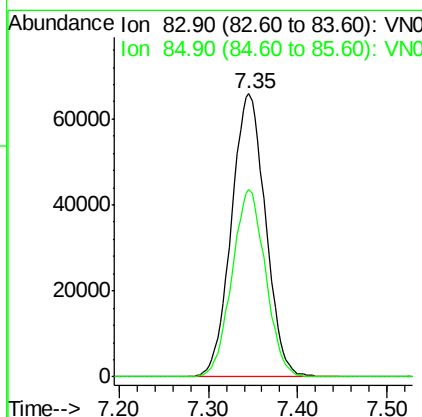
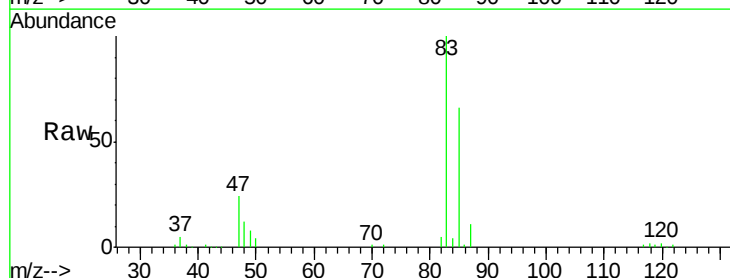
Manual Integrations  
APPROVED

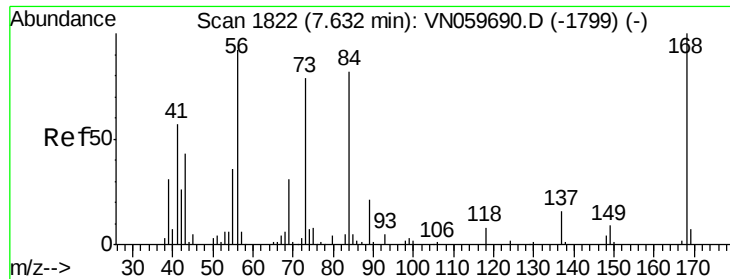
MMDadoda  
1/17/2020 1:52:50 PM



#30  
Chloroform  
Concen: 46.818 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.4  | 52.4  | 78.6  |





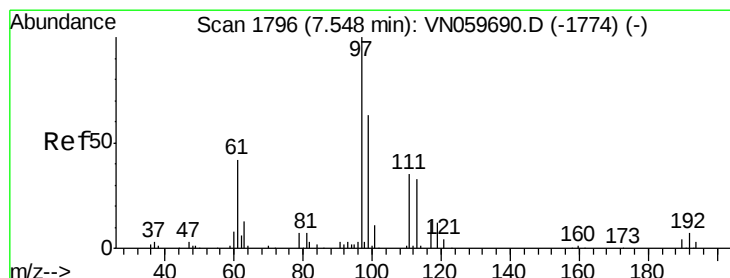
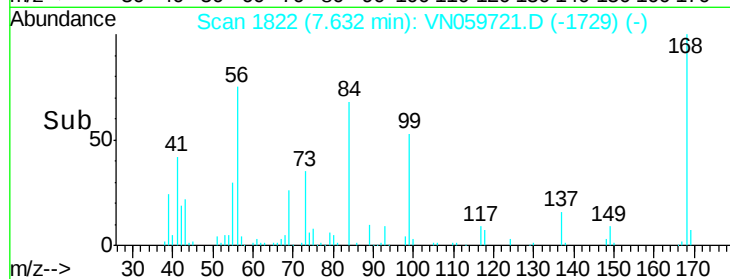
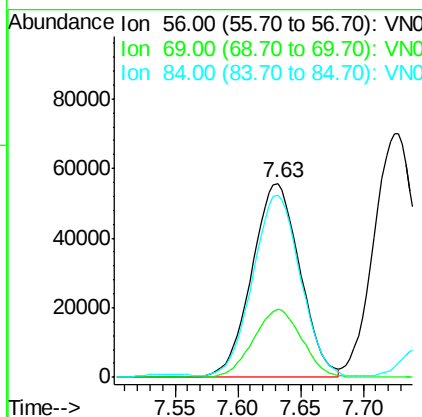
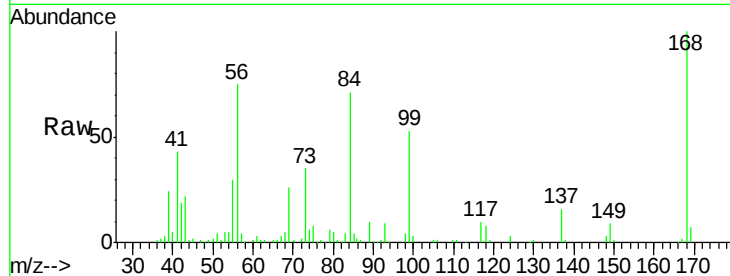
#31  
Cyclohexane  
Concen: 42.992 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.0  | 26.5  | 39.7  |
| 84      | 92.9  | 65.3  | 97.9  |

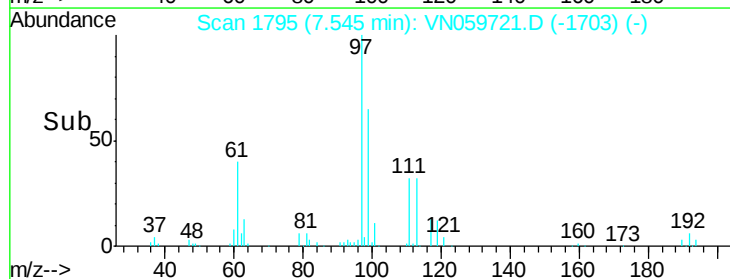
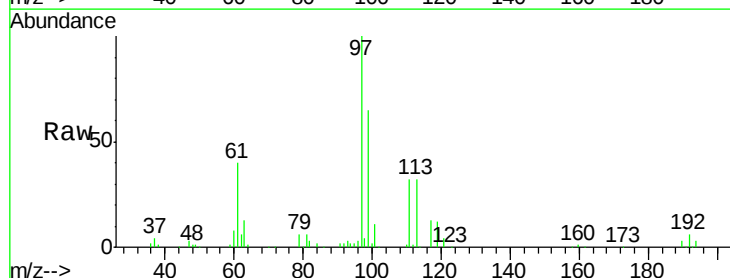
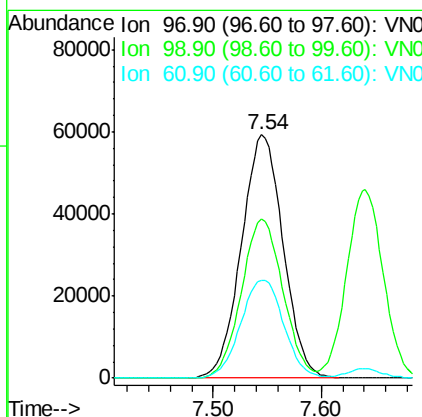
Manual Integrations  
APPROVED

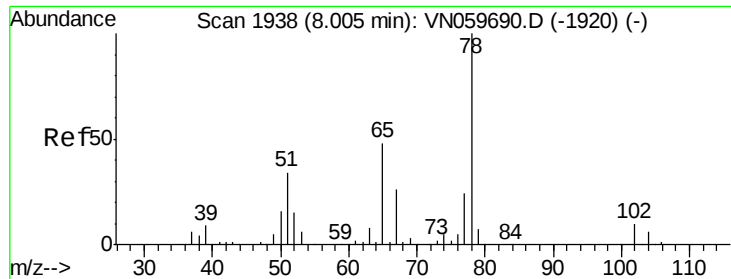
MMDadoda  
1/17/2020 1:52:50 PM



#32  
1,1,1-Trichloroethane  
Concen: 46.222 ug/l  
RT: 7.54 min Scan# 1795  
Delta R.T. -0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.1  | 51.0  | 76.4  |
| 61      | 41.4  | 38.5  | 57.7  |





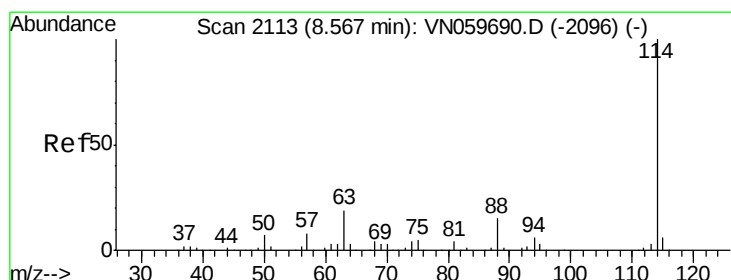
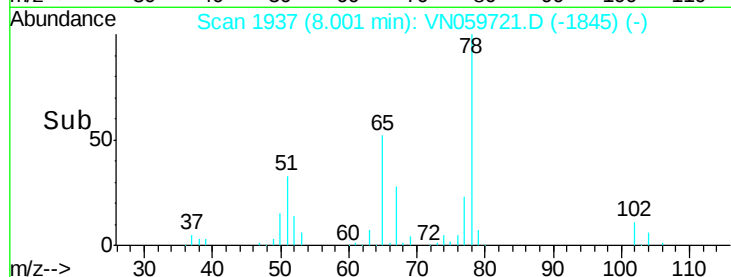
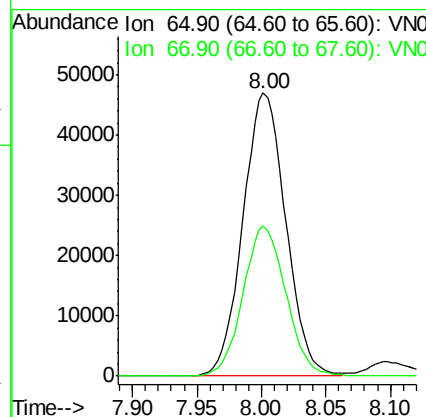
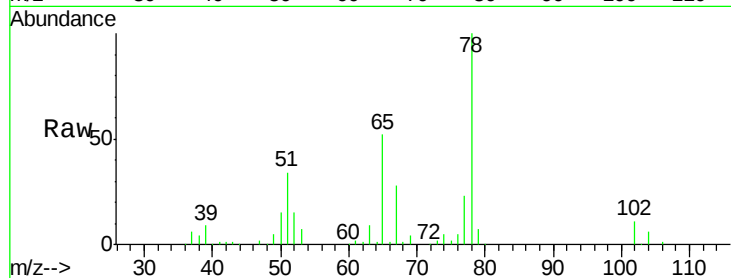
#33  
 1,2-Dichloroethane-d4  
 Concen: 46.480 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 108753 |       |       |
| 67      | 53.0  | 0.0    | 103.0 |       |

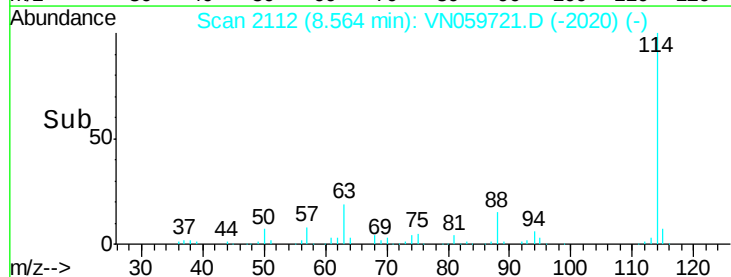
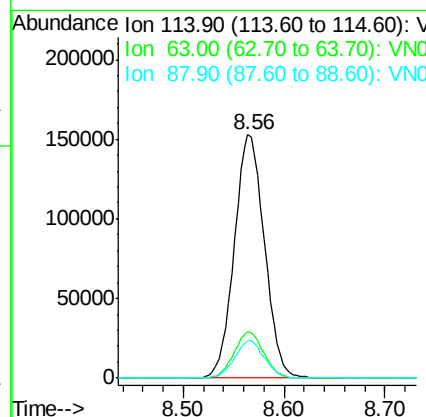
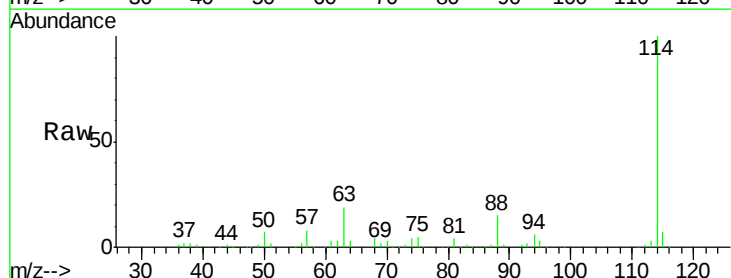
Manual Integrations  
 APPROVED

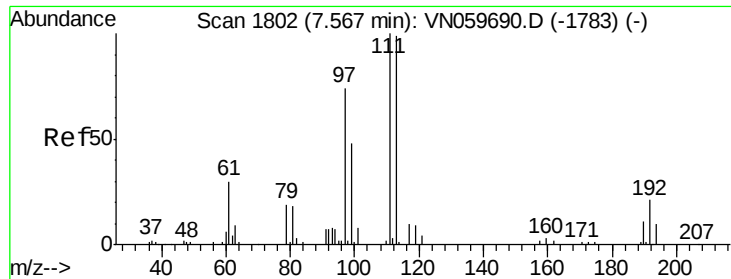
MMDadoda  
 1/17/2020 1:52:50 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 317990 |       |       |
| 63      | 18.9  | 0.0    | 43.6  |       |
| 88      | 15.2  | 0.0    | 31.4  |       |





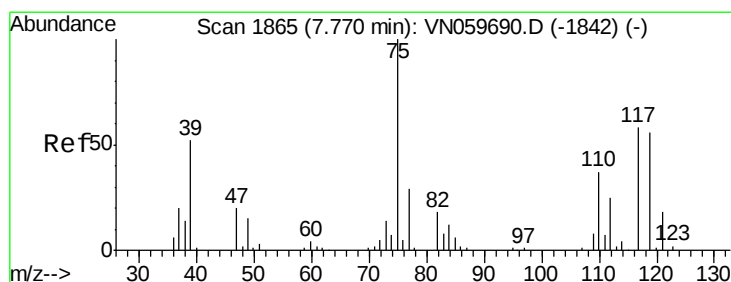
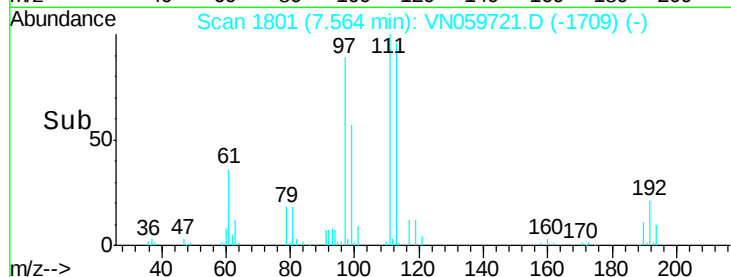
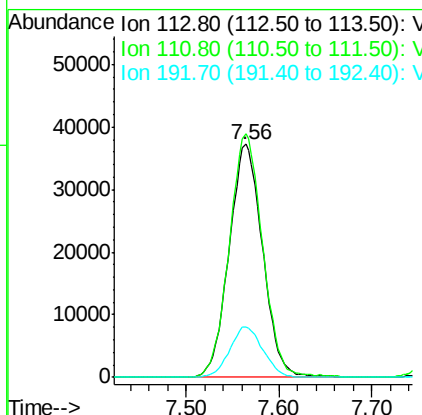
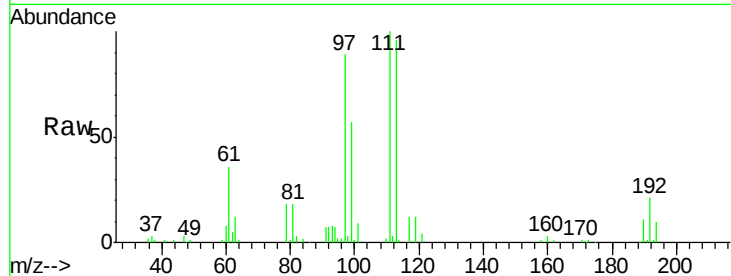
#35  
Dibromofluoromethane  
Concen: 49.289 ug/l  
RT: 7.56 min Scan# 1801  
Delta R.T. -0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.4 | 83.5  | 125.3 |
| 192     | 21.4  | 15.4  | 23.2  |

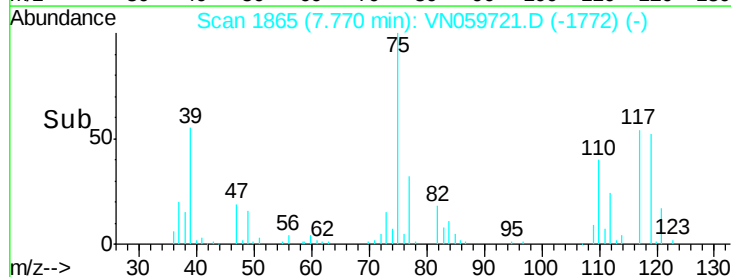
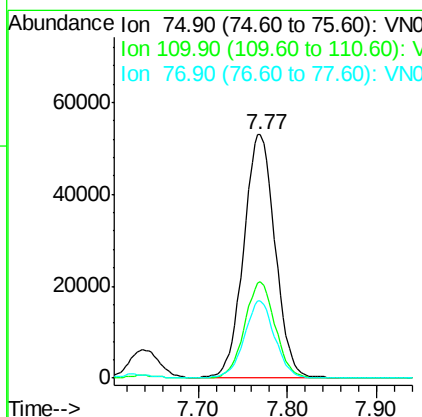
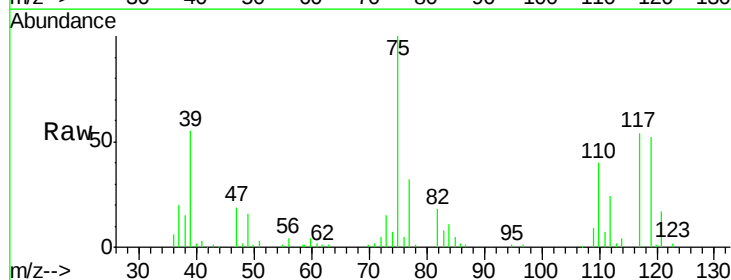
Manual Integrations  
APPROVED

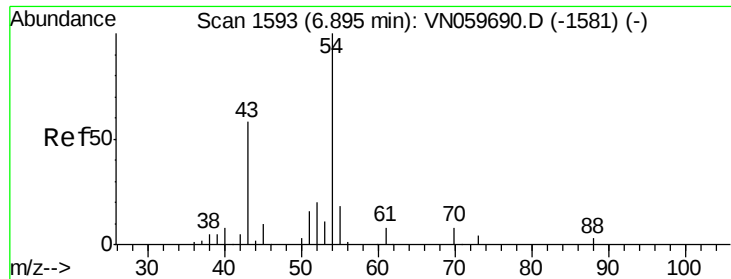
MMDadoda  
1/17/2020 1:52:50 PM



#36  
1,1-Dichloropropene  
Concen: 46.940 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.3  | 16.6  | 49.7  |
| 77      | 30.7  | 25.1  | 37.7  |





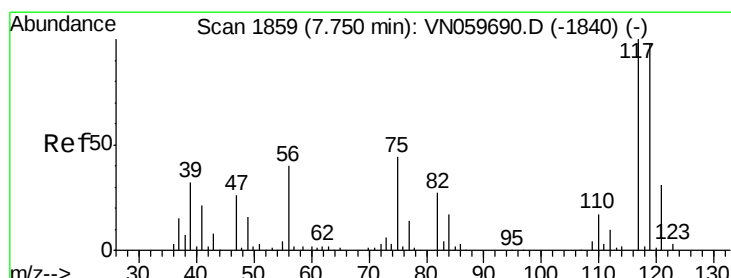
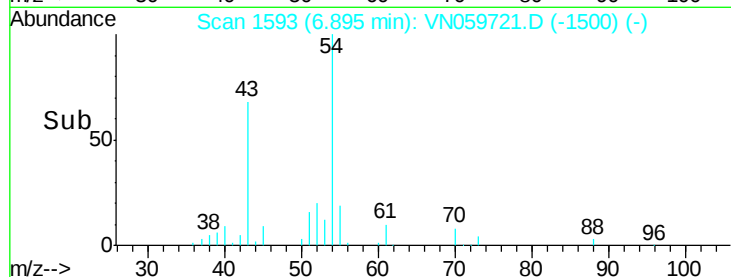
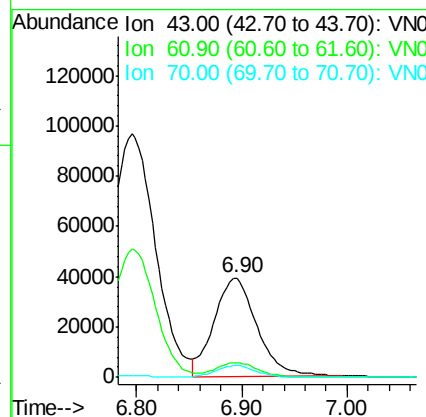
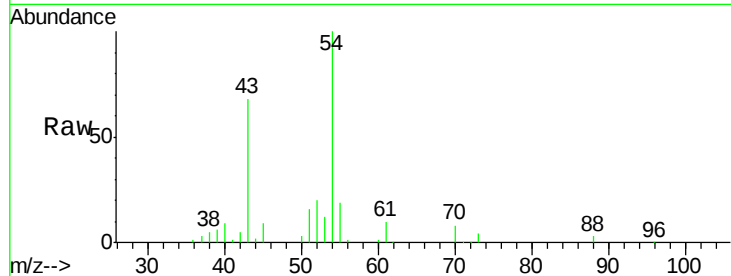
#37  
Ethyl Acetate  
Concen: 42.745 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 43     | 61   | 70   |
|---------|--------|------|------|
| Resp    | 111020 |      |      |
| Ratio   | 100    | 14.7 | 11.5 |
| Lower   |        | 10.9 | 7.7  |
| Upper   |        | 16.3 | 11.5 |

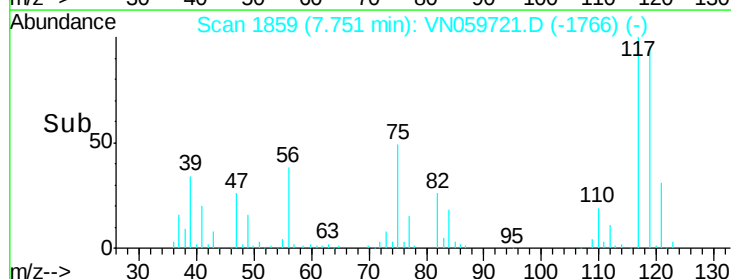
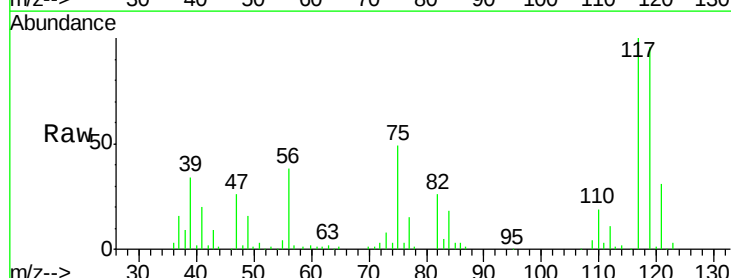
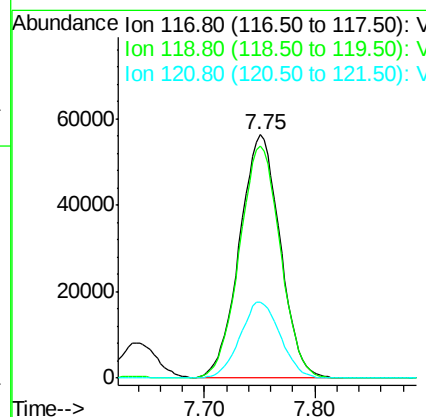
Manual Integrations  
APPROVED

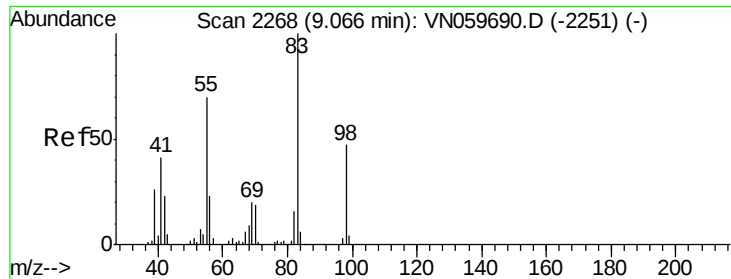
MMDadoda  
1/17/2020 1:52:50 PM



#38  
Carbon Tetrachloride  
Concen: 47.678 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | 117    | 119   | 121  |
|---------|--------|-------|------|
| Resp    | 143621 |       |      |
| Ratio   | 100    | 95.6  | 31.1 |
| Lower   |        | 76.5  | 25.1 |
| Upper   |        | 114.7 | 37.7 |





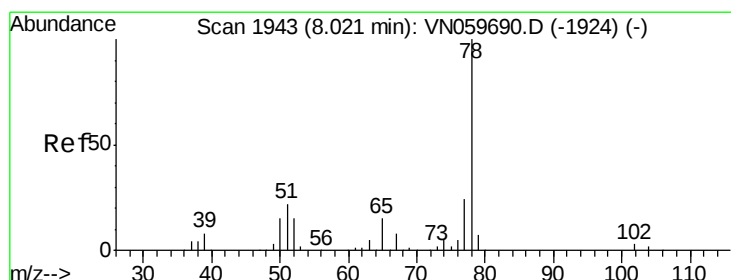
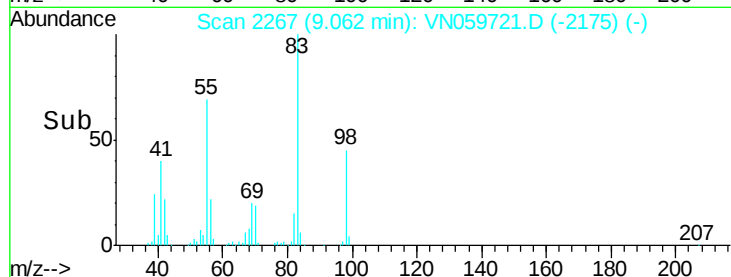
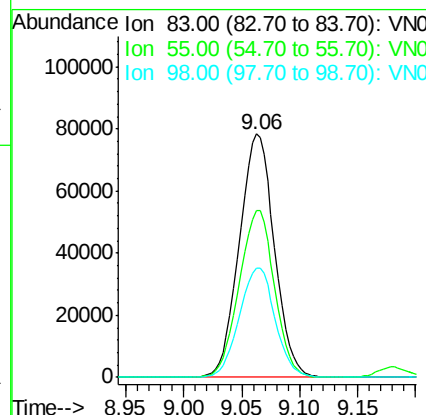
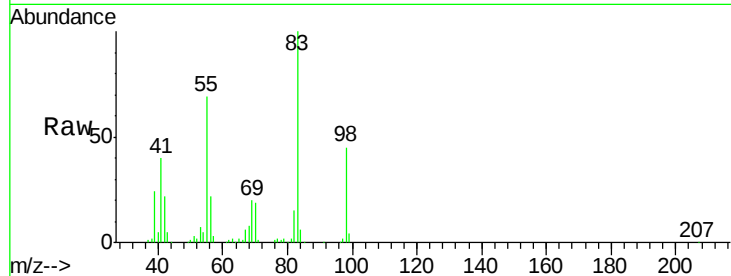
#39  
Methvlcvclohexane  
Concen: 48.076 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 68.7  | 64.2  | 96.2  |
| 98      | 44.9  | 35.9  | 53.9  |

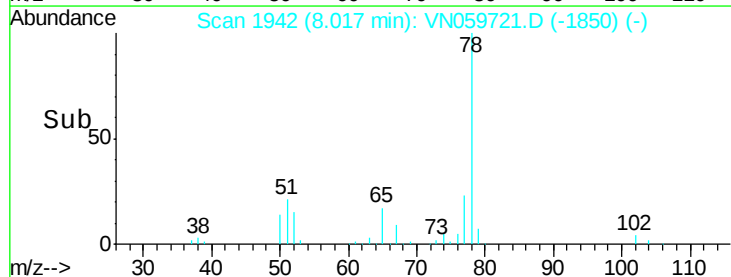
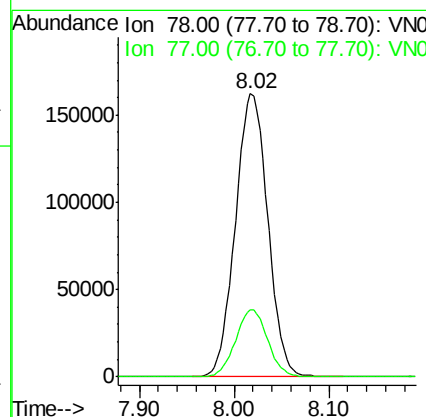
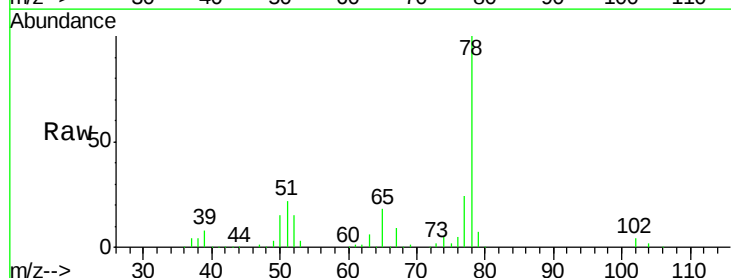
Manual Integrations  
APPROVED

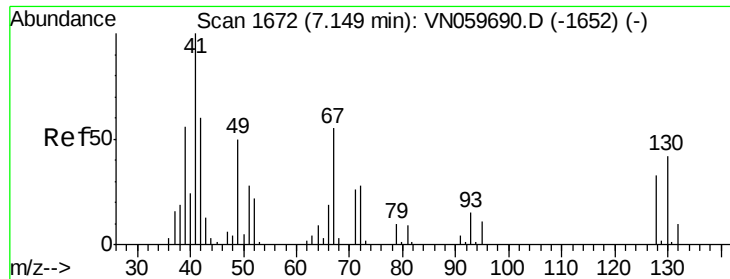
MMDadoda  
1/17/2020 1:52:50 PM



#40  
Benzene  
Concen: 46.752 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 18.9  | 28.3  |





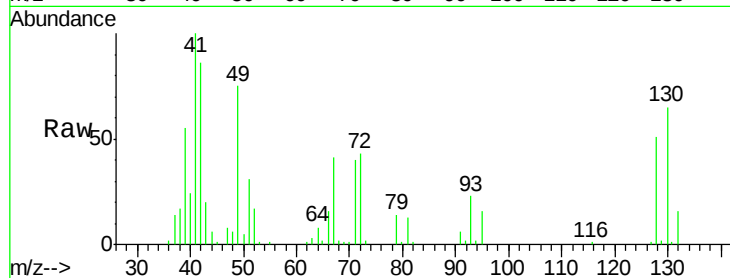
#41  
Methacrylonitrile  
Concen: 45.682 ug/l m  
RT: 7.15 min Scan# 1673  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

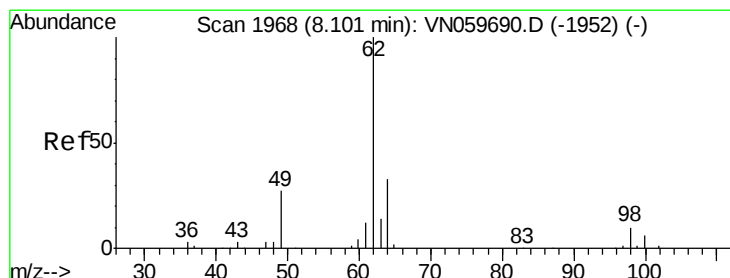
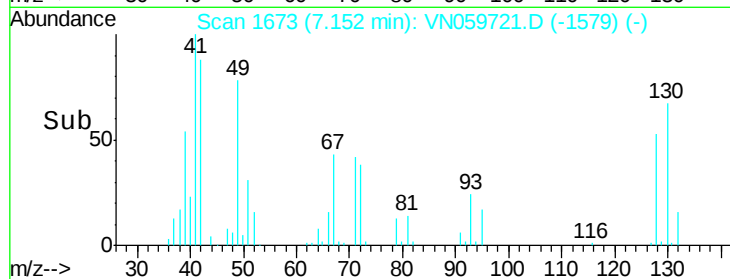
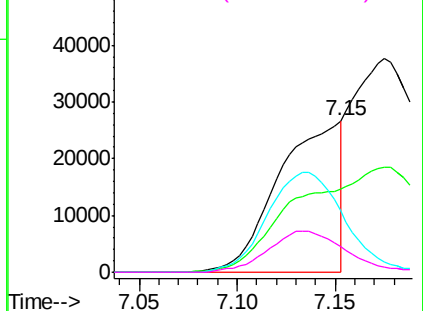
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 144.5 | 0.0   | 0.0#  |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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1/17/2020 1:52:50 PM

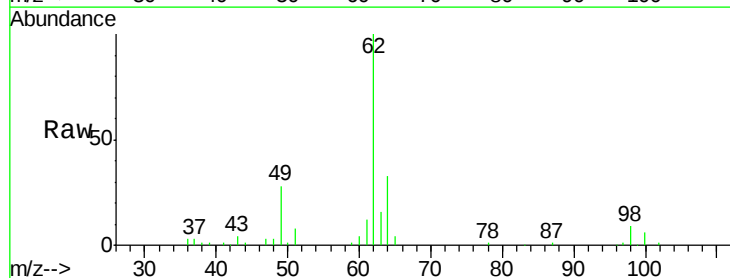


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC  
Ion 67.00 (66.70 to 67.70): VNC  
Ion 52.00 (51.70 to 52.70): VNC

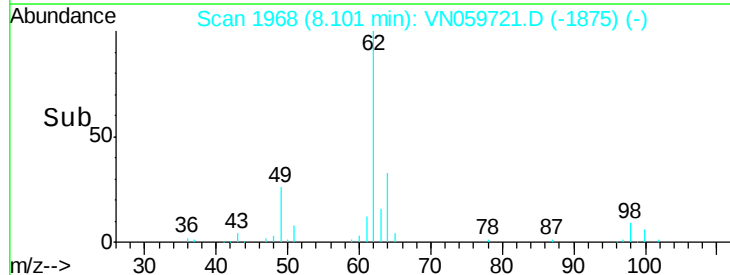
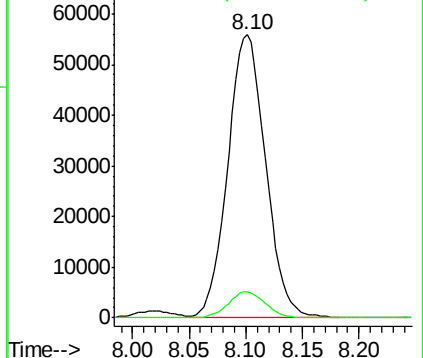


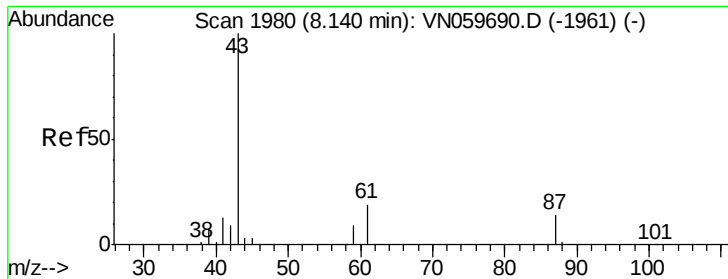
#42  
1,2-Dichloroethane  
Concen: 46.251 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.1   | 0.0   | 15.8  |



Abundance Ion 61.90 (61.60 to 62.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 43.745 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

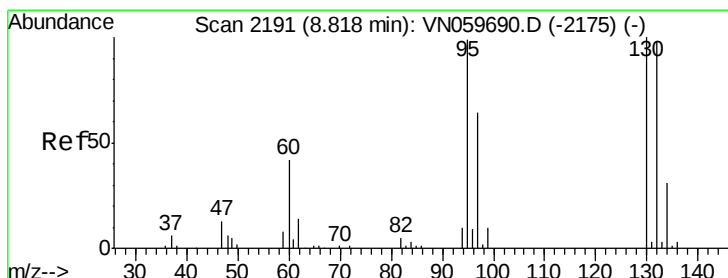
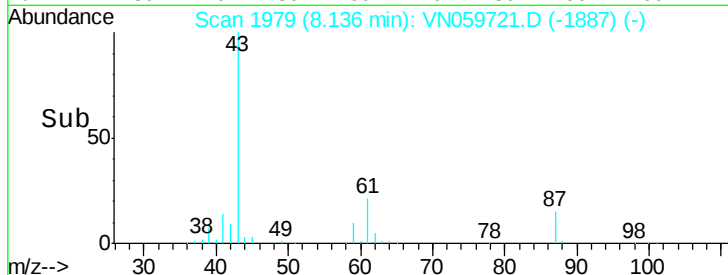
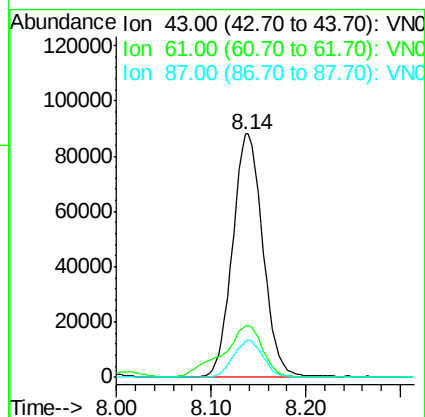
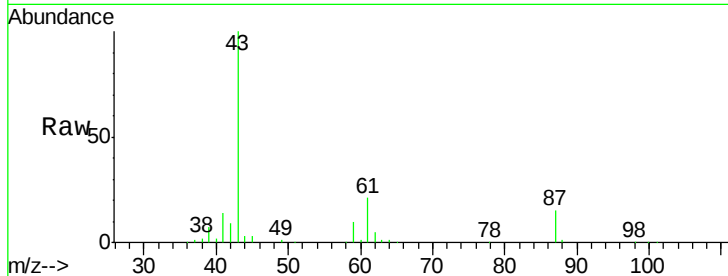
ClientSampleId :

VSTDCCC050

| Tot Ion | 43    | Resp  | 195425 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 61      | 28.3  | 20.2  | 30.2   |
| 87      | 15.0  | 9.5   | 14.3#  |

Manual Integrations  
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MMDadoda  
1/17/2020 1:52:50 PM



#44

Trichloroethene

Concen: 49.362 ug/l

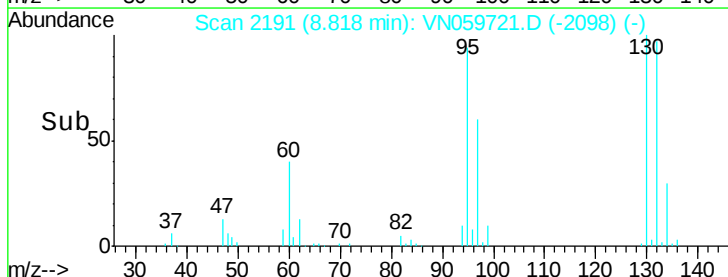
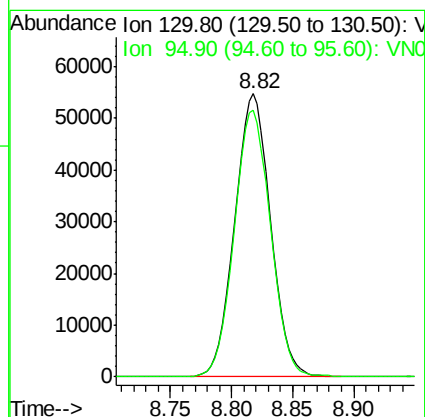
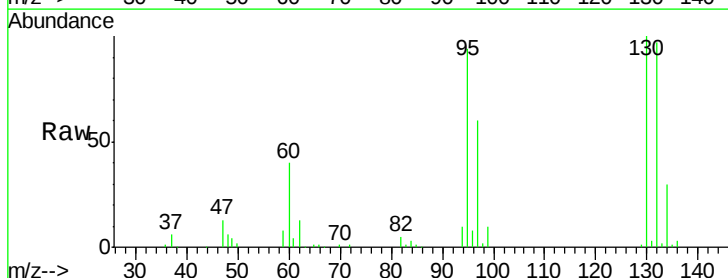
RT: 8.82 min Scan# 2191

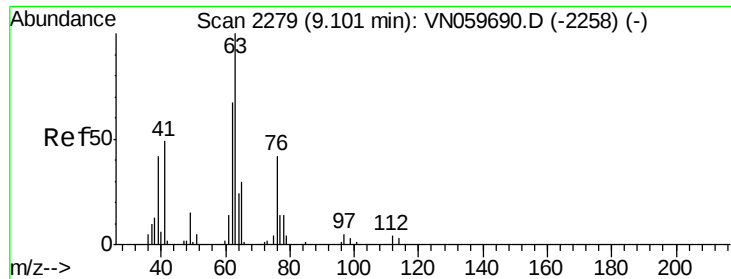
Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

| Tgt Ion | 130   | Resp  | 111289 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 130     | 100   |       |        |
| 95      | 94.4  | 0.0   | 207.0  |





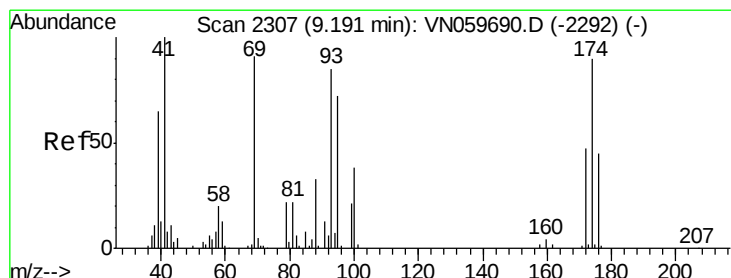
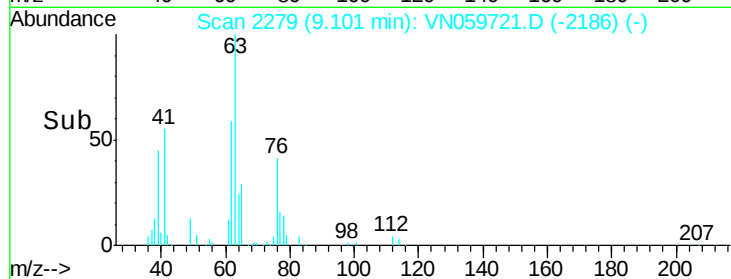
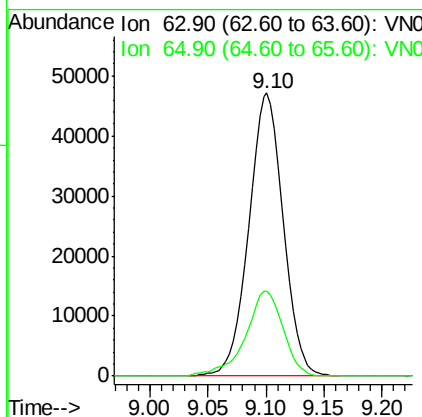
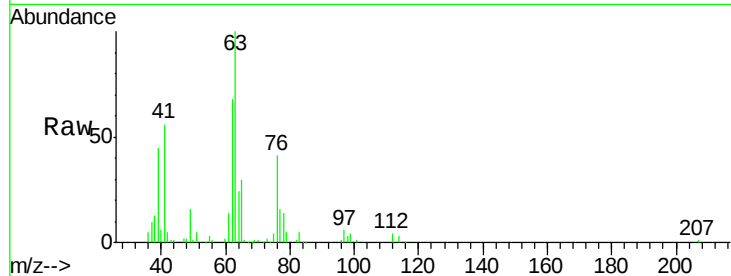
#45  
 1,2-Dichloropropane  
 Concen: 47.746 ug/l  
 RT: 9.10 min Scan# 2279  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 97575  
 Ion Ratio Lower Upper  
 63 100  
 65 30.1 24.9 37.3

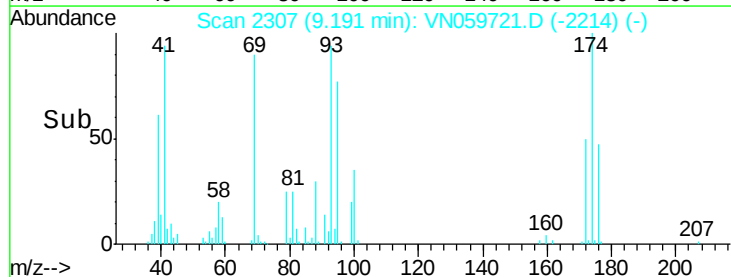
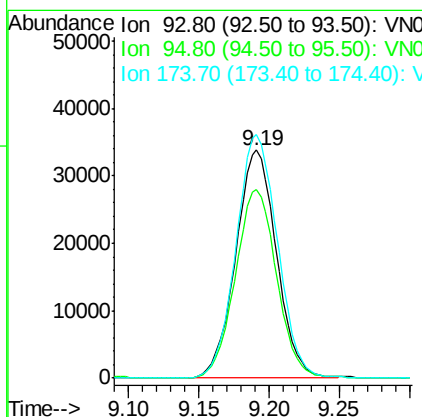
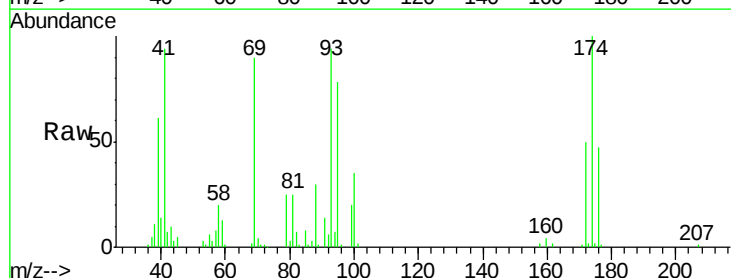
Manual Integrations  
 APPROVED

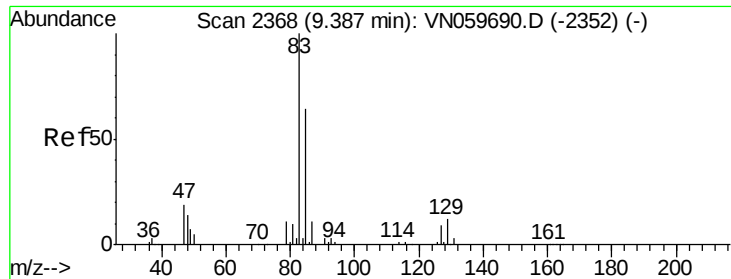
MMDadoda  
 1/17/2020 1:52:50 PM



#46  
 Dibromomethane  
 Concen: 47.483 ug/l  
 RT: 9.19 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Tgt Ion: 93 Resp: 68451  
 Ion Ratio Lower Upper  
 93 100  
 95 83.8 67.0 100.6  
 174 108.9 73.4 110.2





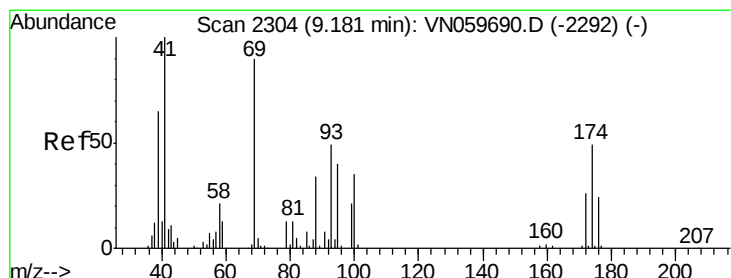
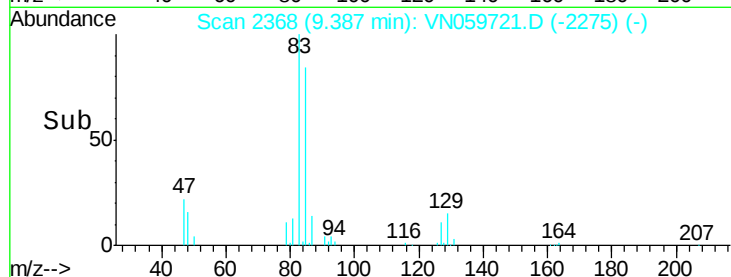
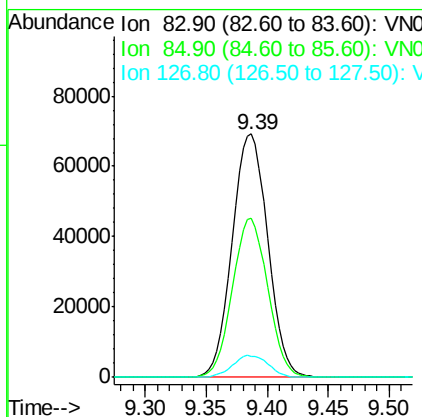
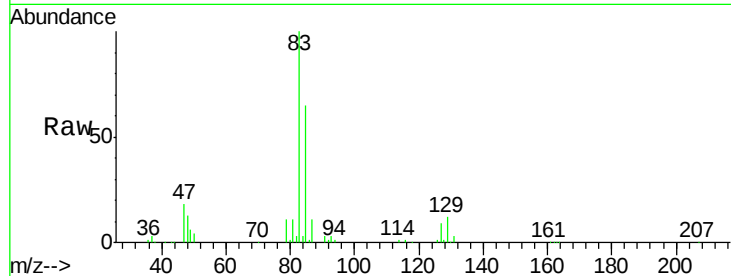
#47  
Bromodichloromethane  
Concen: 48.295 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 83   | Resp | 140299 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| 85        | 65.3 | 51.1 | 76.7   |
| 127       | 8.8  | 6.6  | 9.8    |

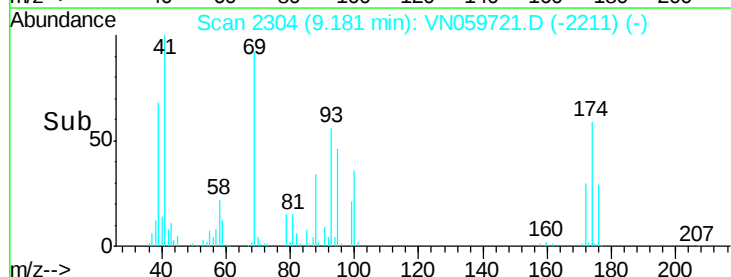
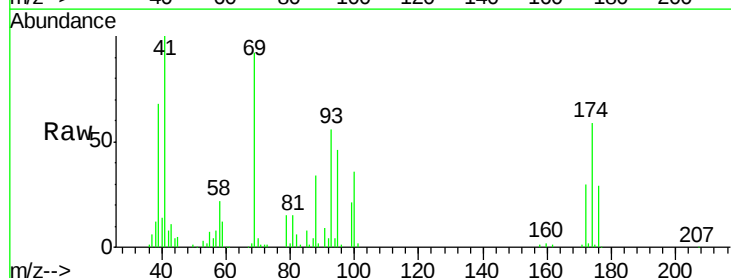
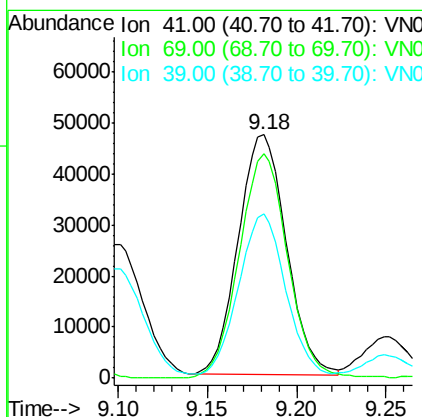
Manual Integrations  
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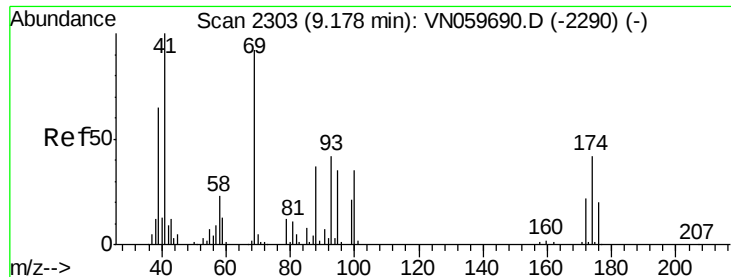
MMDadoda  
1/17/2020 1:52:50 PM



#48  
Methyl methacrylate  
Concen: 44.346 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion   | 41   | Resp | 88613 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| 69        | 94.7 | 64.4 | 96.6  |
| 39        | 68.1 | 51.3 | 76.9  |





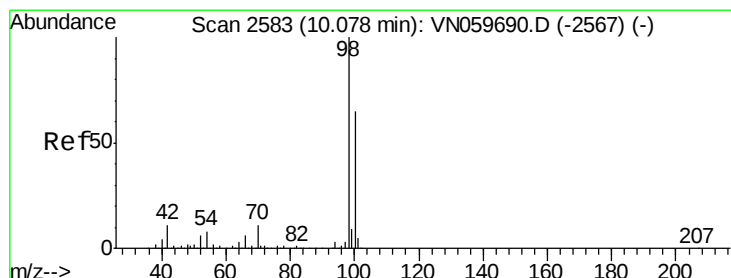
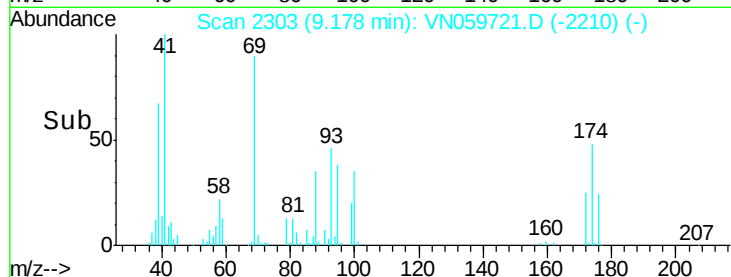
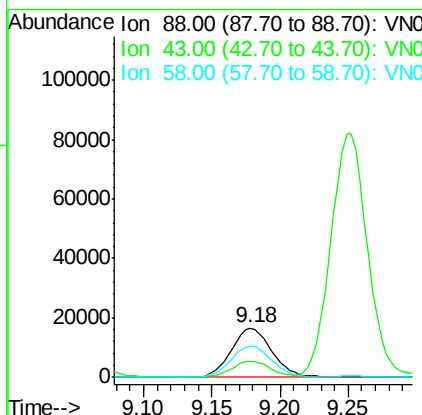
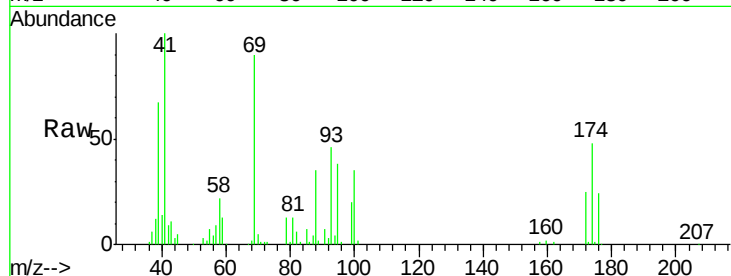
#49  
1,4-Dioxane  
Concen: 935.578 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 34224 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 31.6  | 29.7  | 44.5  |
| 58      | 63.7  | 56.6  | 85.0  |

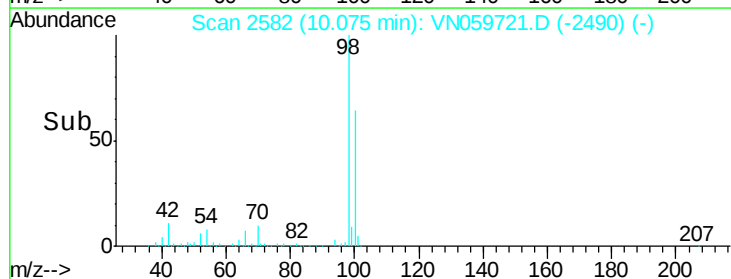
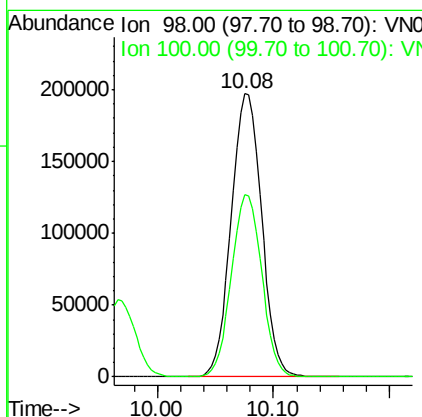
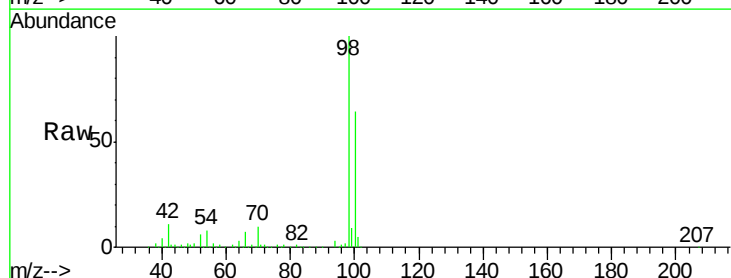
Manual Integrations  
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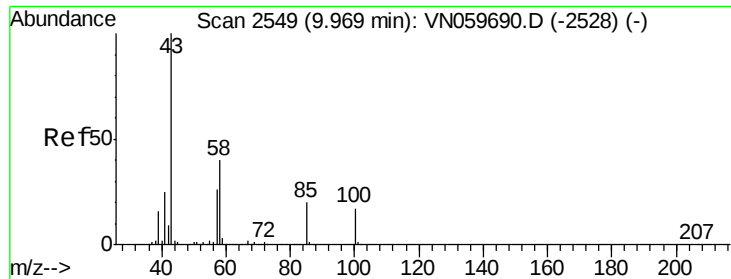
MMDadoda  
1/17/2020 1:52:50 PM



#50  
Toluene-d8  
Concen: 48.952 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | 98    | Resp  | 359664 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.2  | 51.2  | 76.8   |





#51

4-Methyl-2-Pentanone

Concen: 218.115 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 563270

Ion Ratio Lower Upper

43 100

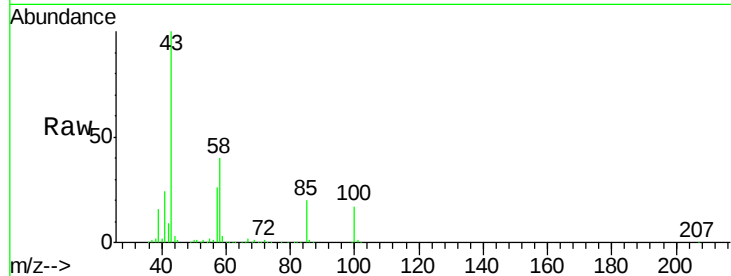
58 40.4 29.8 44.8

Manual Integrations

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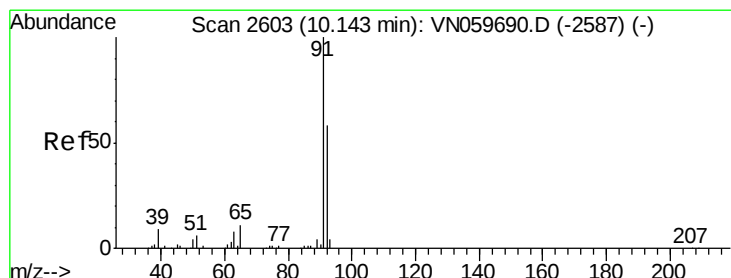
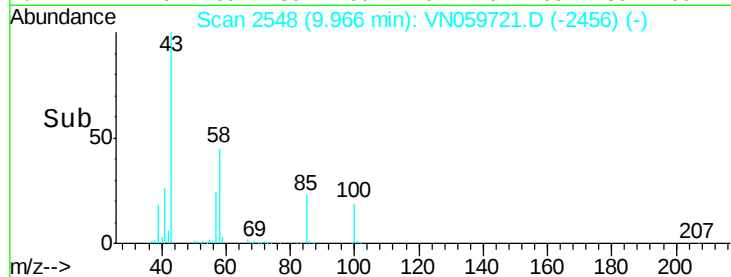
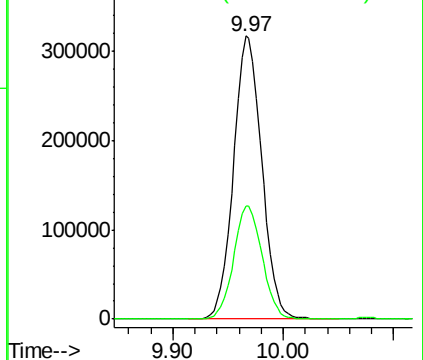
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.978 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059721.D

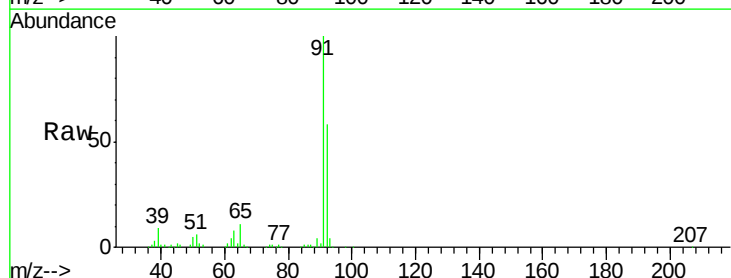
Acq: 16 Jan 2020 10:10

Tgt Ion: 92 Resp: 250279

Ion Ratio Lower Upper

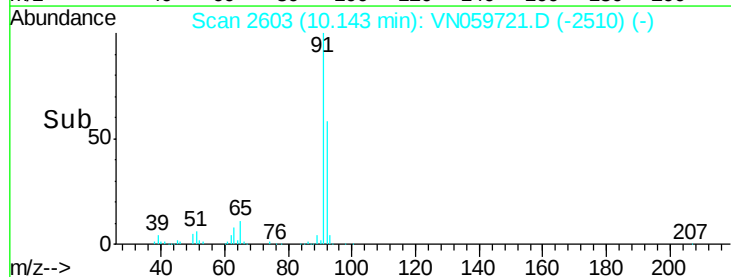
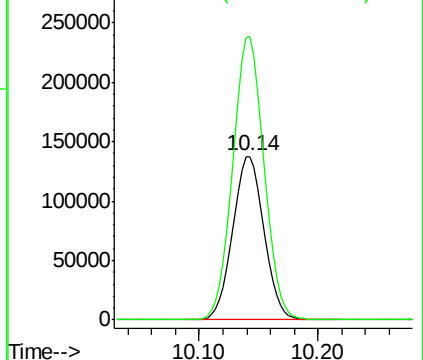
92 100

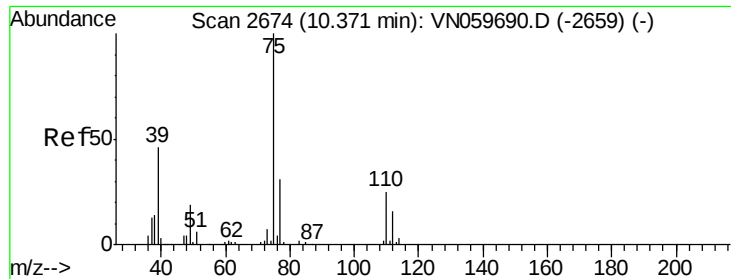
91 173.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





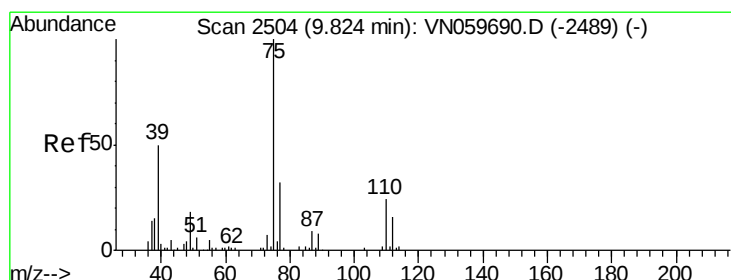
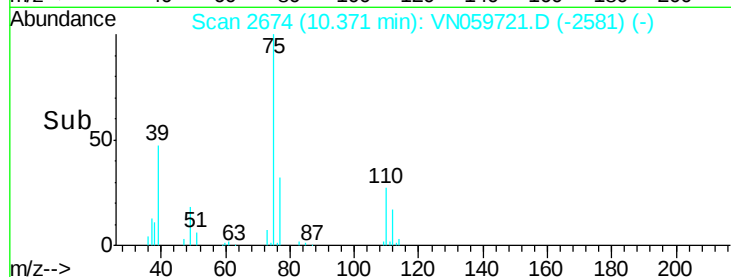
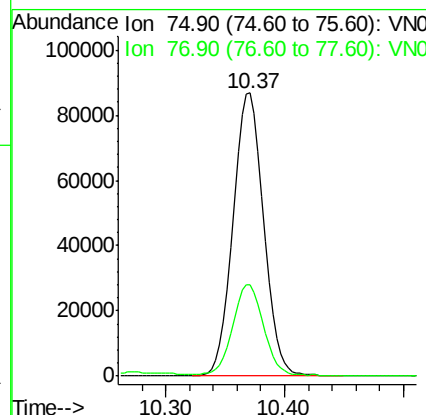
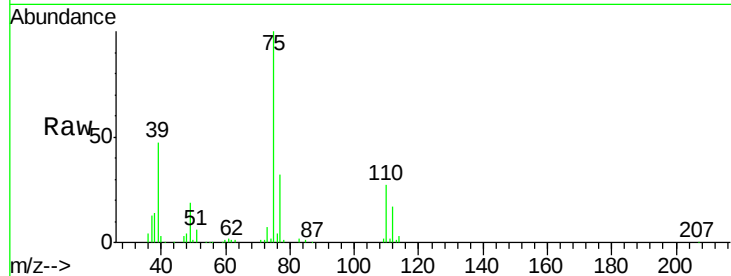
#53  
t-1,3-Dichloropropene  
Concen: 47.707 ug/l  
RT: 10.37 min Scan# 2674  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 154748  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.4 38.2

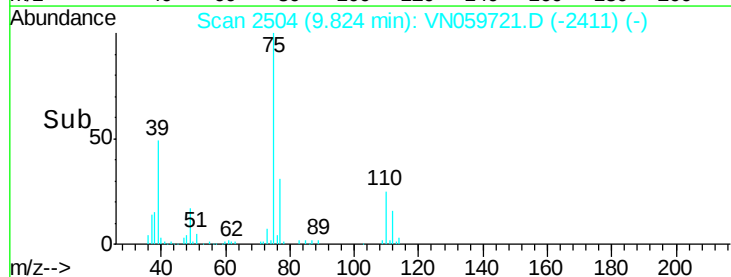
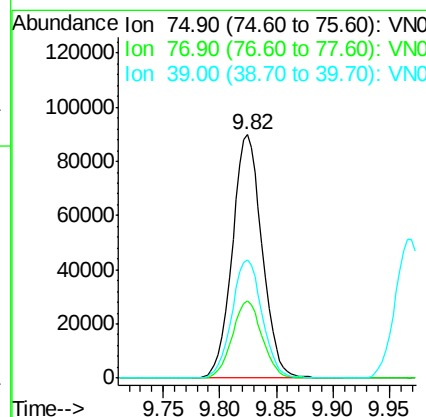
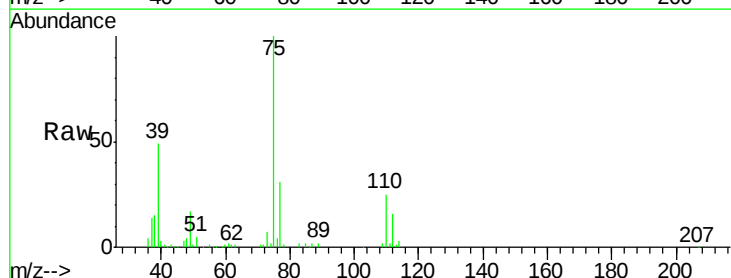
Manual Integrations  
APPROVED

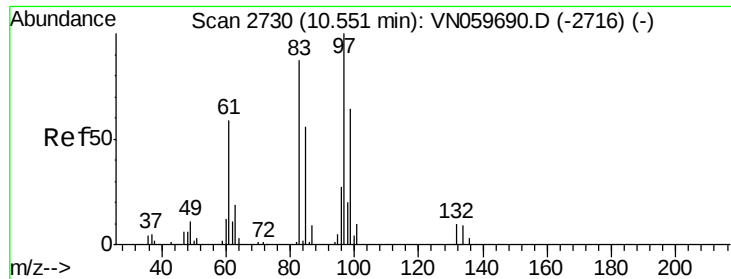
MMDadoda  
1/17/2020 1:52:50 PM



#54  
cis-1,3-Dichloropropene  
Concen: 48.288 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Tgt Ion: 75 Resp: 164806  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.1 37.7  
39 48.7 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 47.334 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 97794

Ion Ratio Lower Upper

97 100

83 83.7 71.3 106.9

85 54.7 45.8 68.8

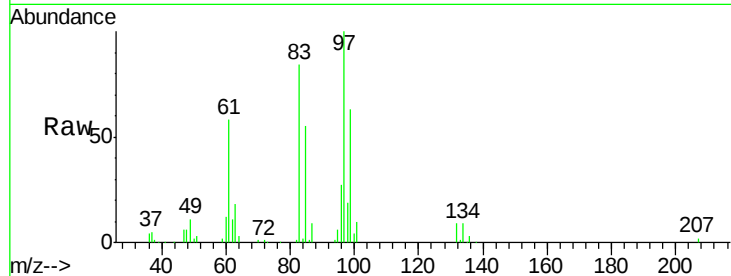
99 63.4 50.0 75.0

Manual Integrations

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MMDadoda

1/17/2020 1:52:50 PM



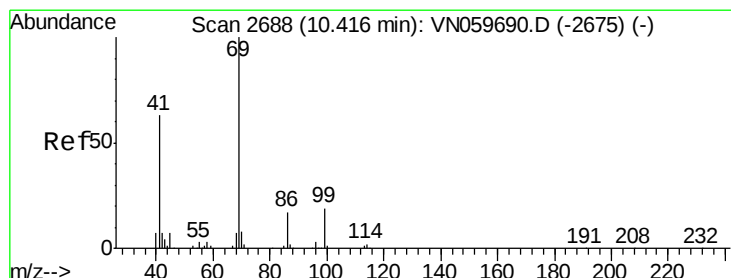
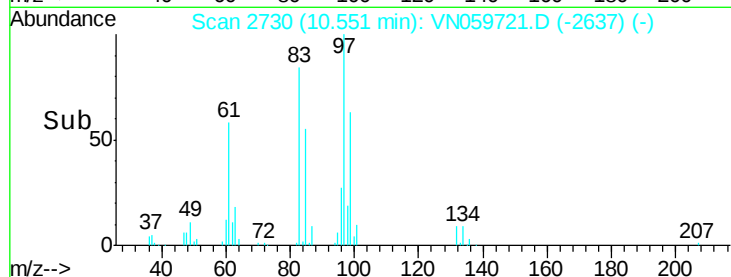
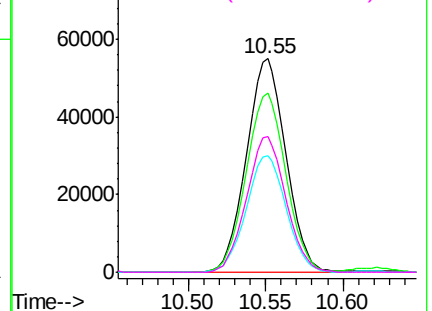
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 46.301 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

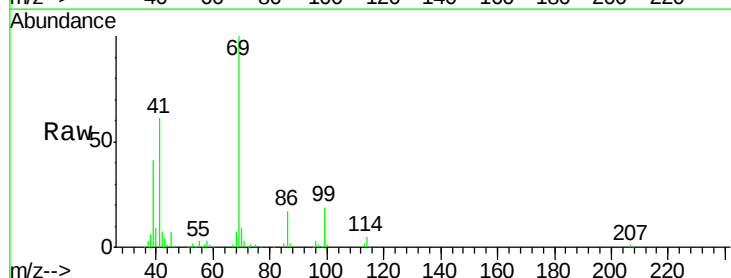
Tgt Ion: 69 Resp: 146170

Ion Ratio Lower Upper

69 100

41 60.9 57.1 85.7

39 40.3 34.7 52.1

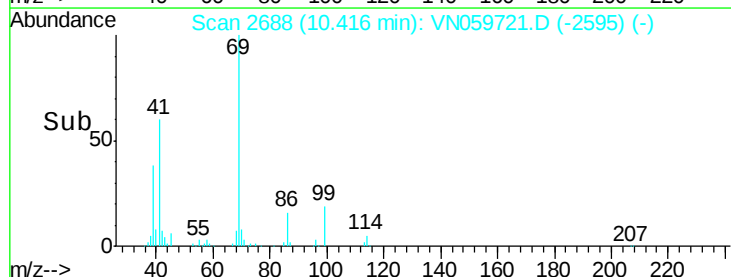
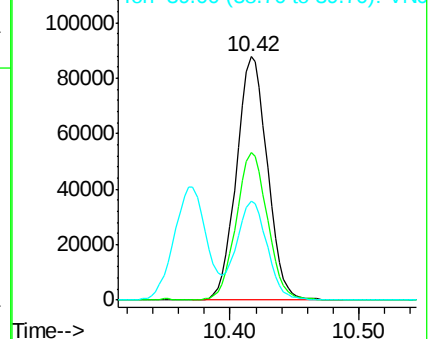


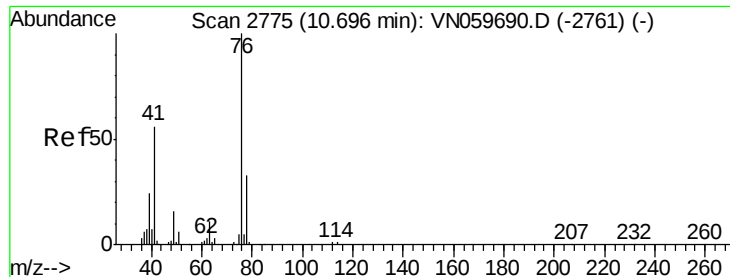
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





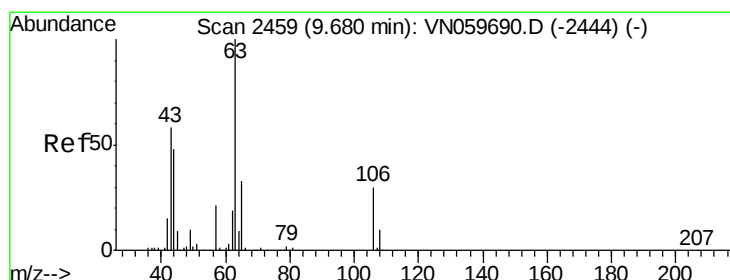
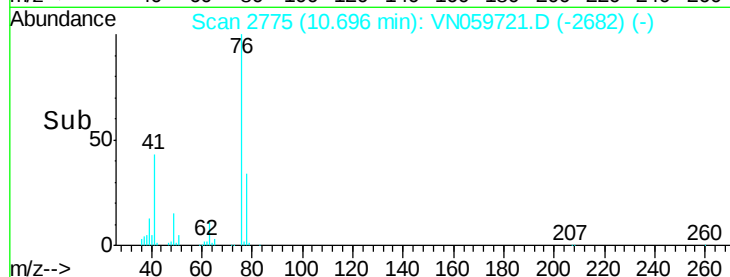
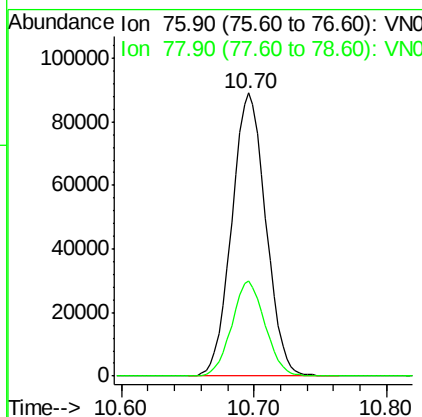
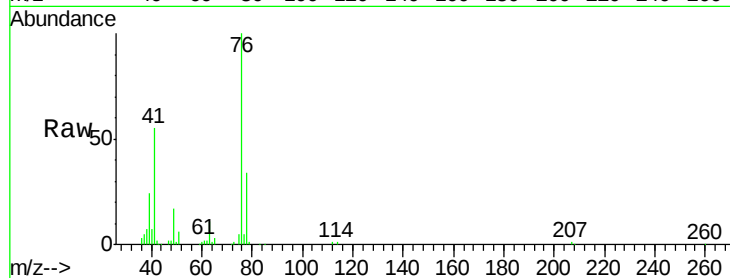
#57  
 1,3-Dichloropropane  
 Concen: 48.342 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.8  | 25.8  | 38.8  |

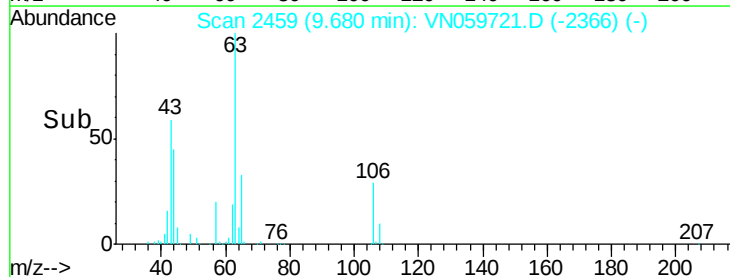
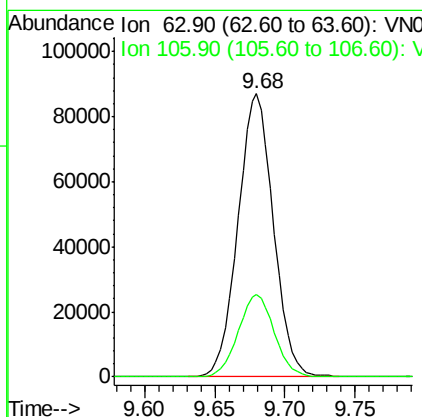
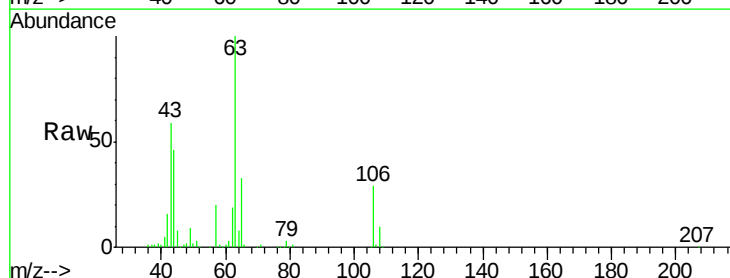
Manual Integrations  
 APPROVED

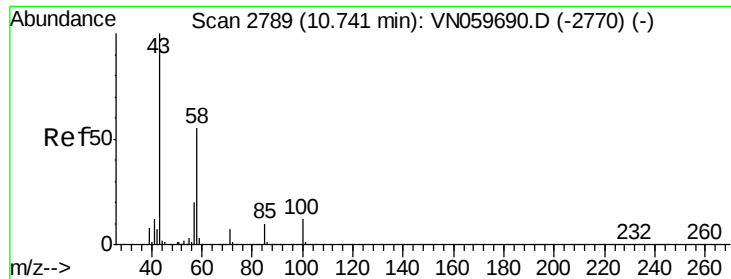
MMDadoda  
 1/17/2020 1:52:50 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 160.754 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.6  | 20.2  | 30.2  |





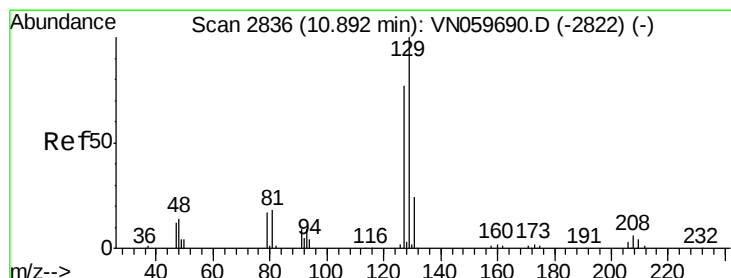
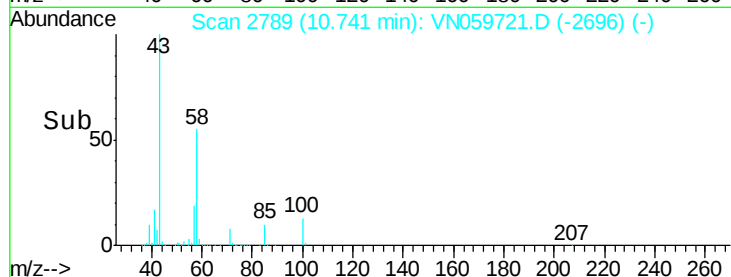
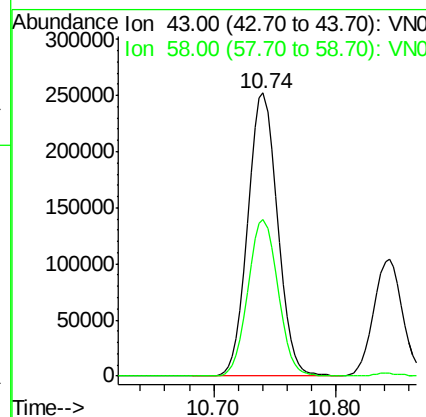
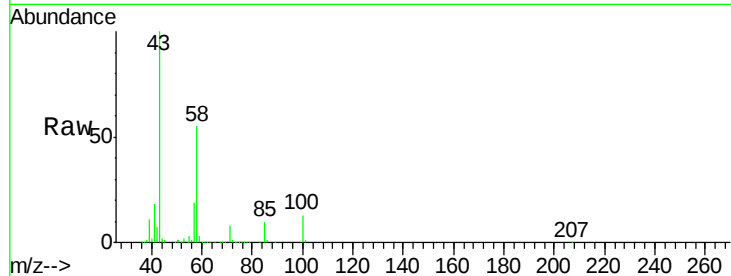
#59  
2-Hexanone  
Concen: 222.614 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 43 Resp: 423522  
Ion Ratio Lower Upper  
43 100  
58 55.9 25.8 77.3

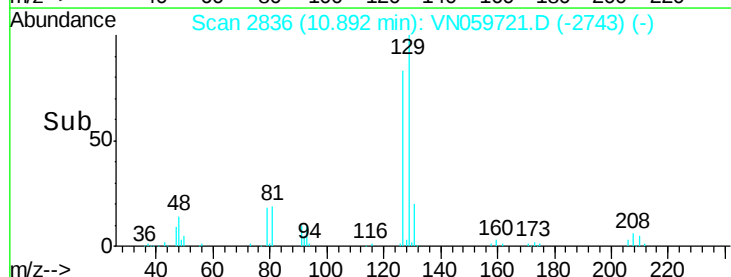
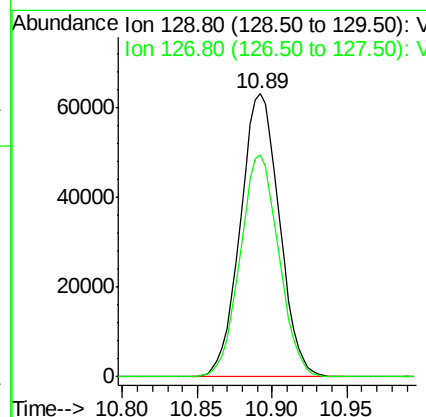
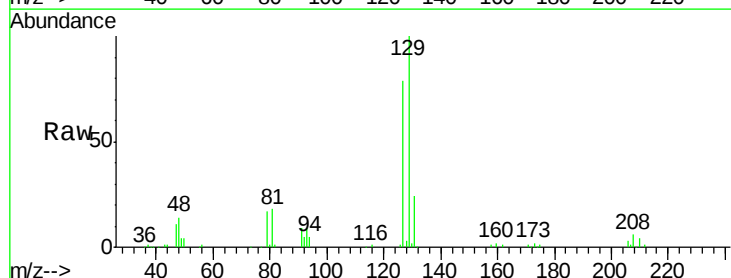
Manual Integrations  
APPROVED

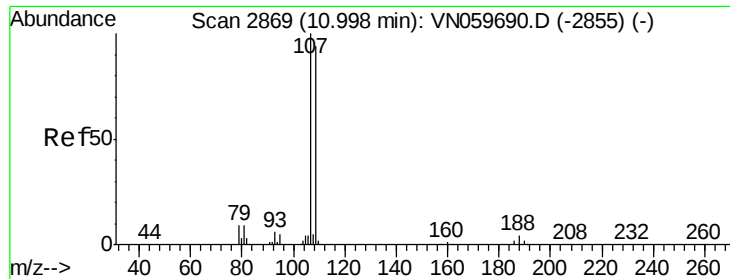
MMDadoda  
1/17/2020 1:52:50 PM



#60  
Dibromochloromethane  
Concen: 48.655 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Tgt Ion: 129 Resp: 114472  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.5 115.5





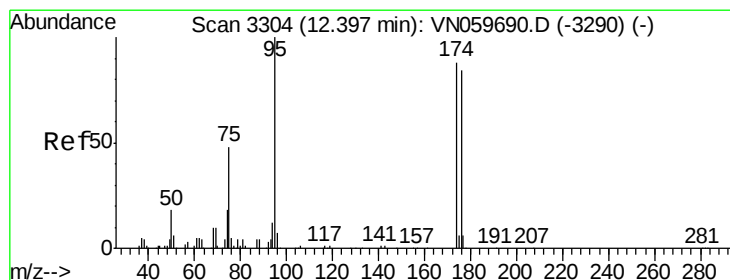
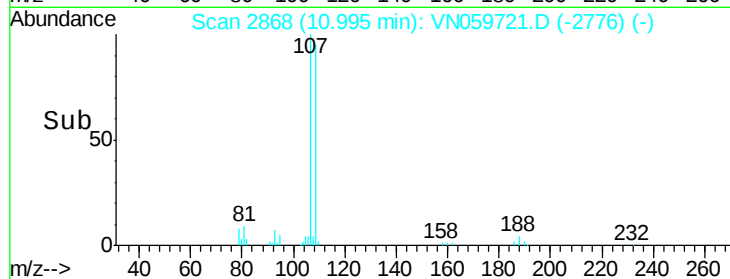
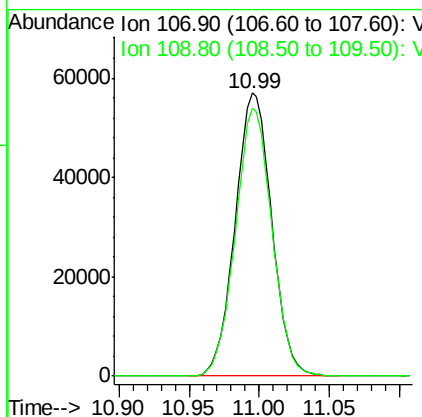
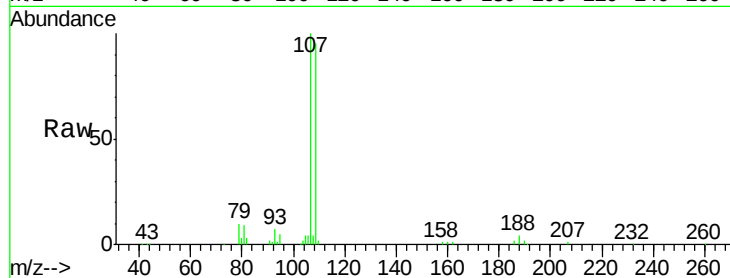
#61  
 1,2-Dibromoethane  
 Concen: 47.734 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.7  | 76.6  | 115.0 |

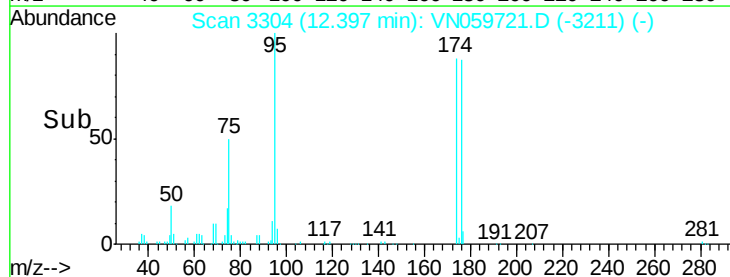
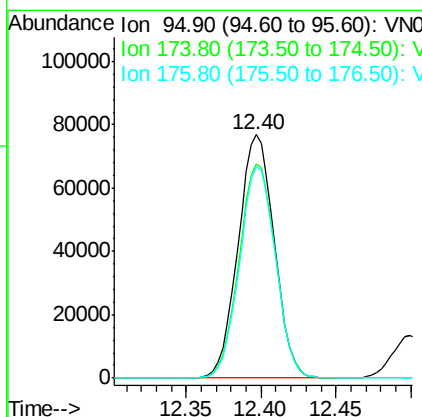
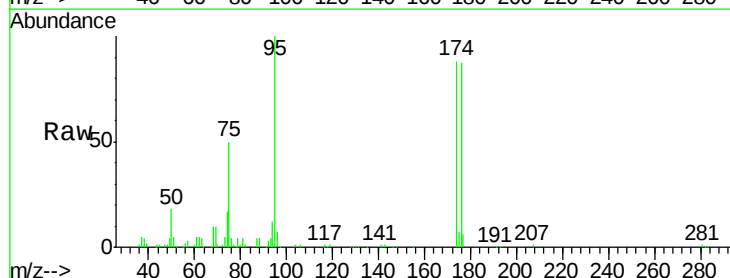
Manual Integrations  
 APPROVED

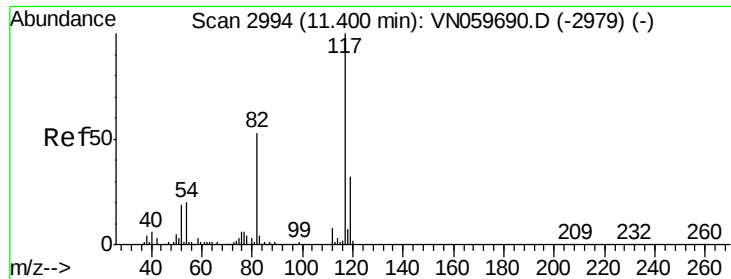
MMDadoda  
 1/17/2020 1:52:50 PM



#62  
 4-Bromofluorobenzene  
 Concen: 48.791 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 88.9  | 0.0   | 151.4 |
| 176     | 86.5  | 0.0   | 146.0 |





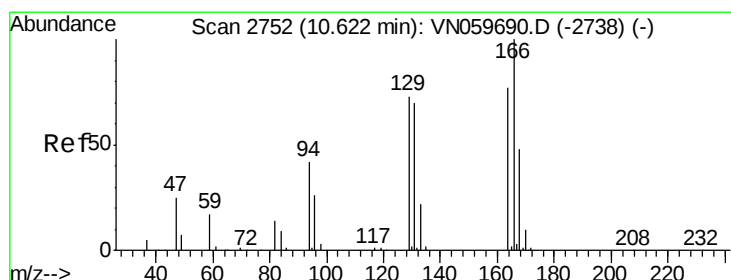
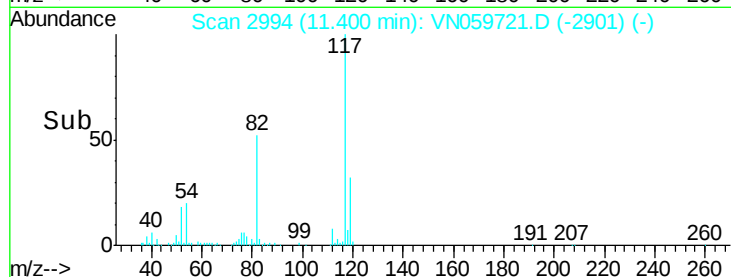
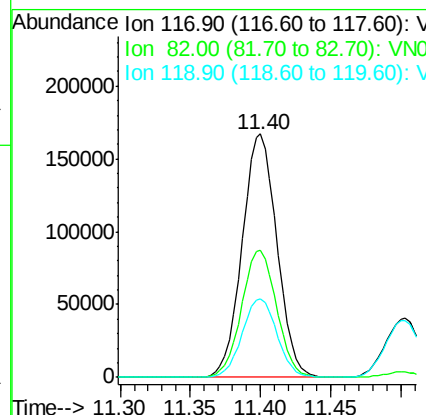
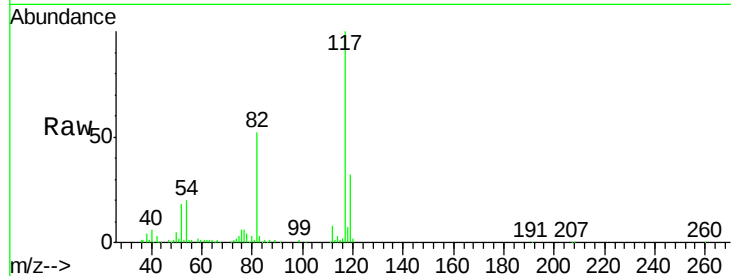
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.1  | 45.9  | 68.9  |
| 119     | 32.4  | 25.5  | 38.3  |

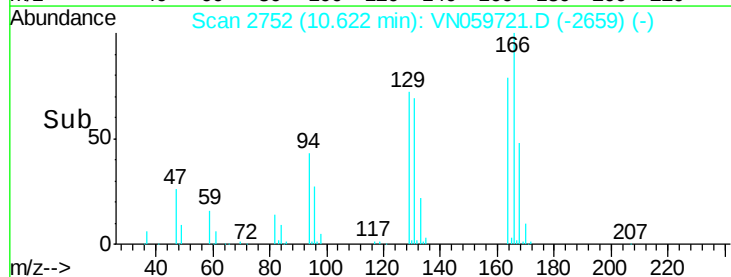
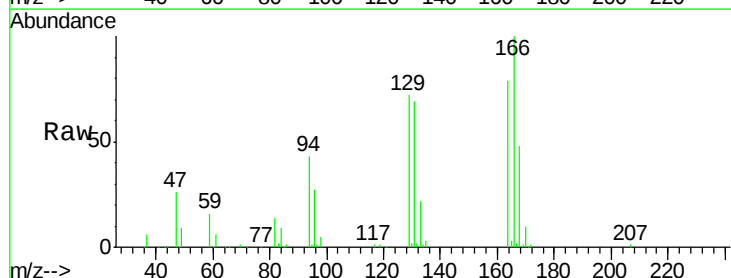
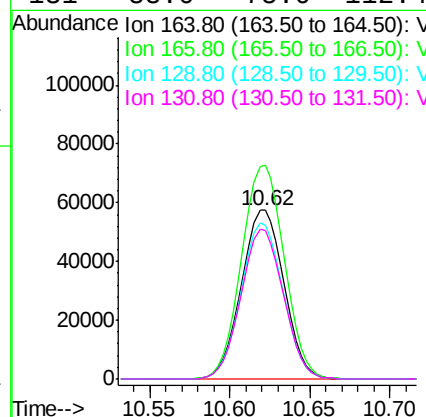
Manual Integrations  
APPROVED

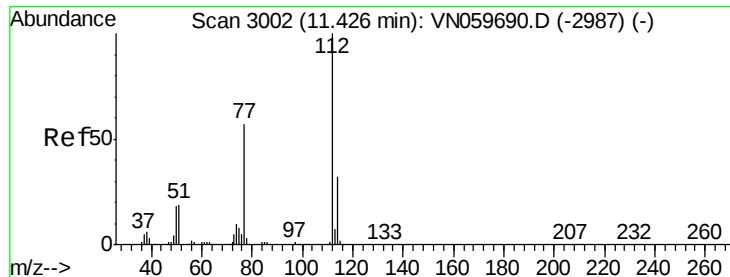
MMDadoda  
1/17/2020 1:52:50 PM



#64  
Tetrachloroethene  
Concen: 44.219 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.7 | 101.4 | 152.0 |
| 129     | 91.1  | 80.2  | 120.4 |
| 131     | 88.0  | 75.0  | 112.4 |





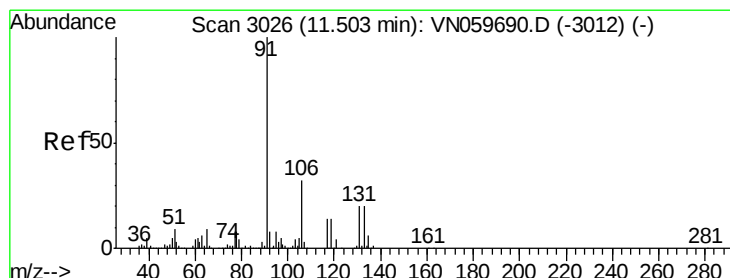
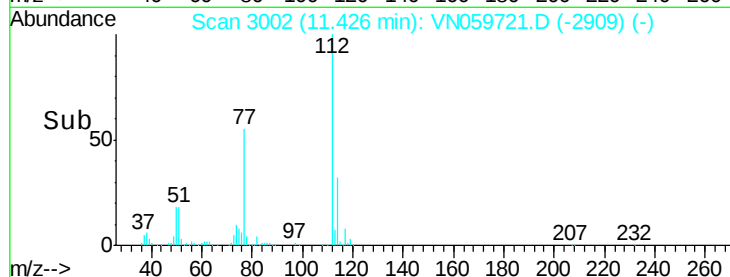
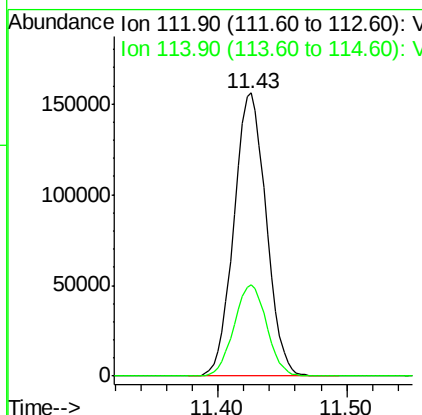
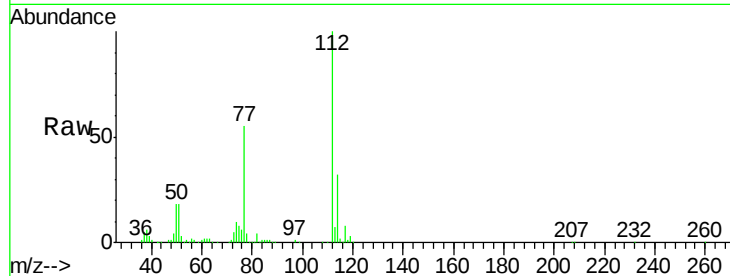
#65  
Chlorobenzene  
Concen: 47.725 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 271137  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.8 38.8

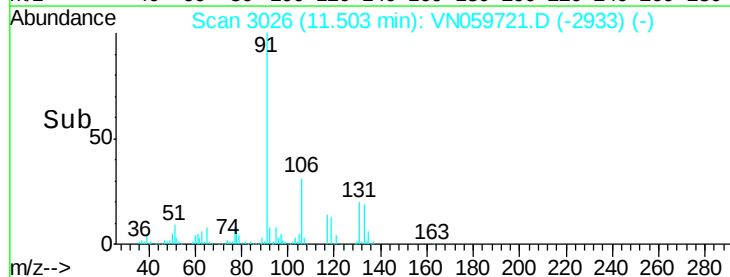
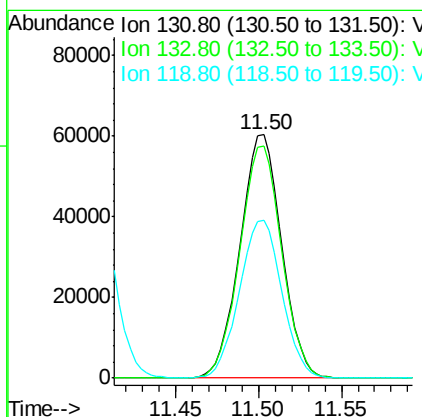
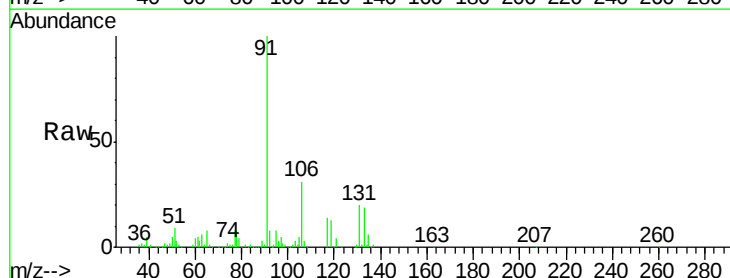
Manual Integrations  
APPROVED

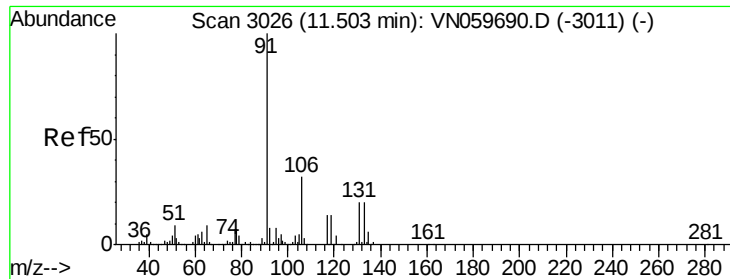
MMDadoda  
1/17/2020 1:52:50 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.059 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Tgt Ion:131 Resp: 105499  
Ion Ratio Lower Upper  
131 100  
133 96.5 47.4 142.2  
119 66.2 33.1 99.3





#67

Ethyl Benzene

Concen: 47.563 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 490533

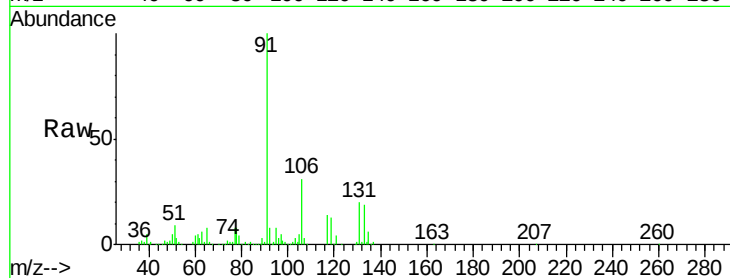
Ion Ratio Lower Upper

91 100

106 31.2 24.1 36.1

Manual Integrations  
APPROVED

MMDadoda  
1/17/2020 1:52:50 PM



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN059690.D (-3011) (-)

400000

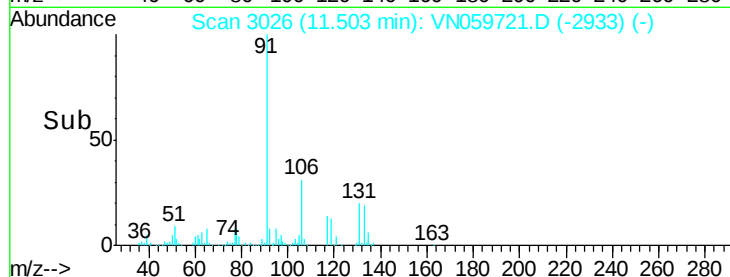
300000

200000

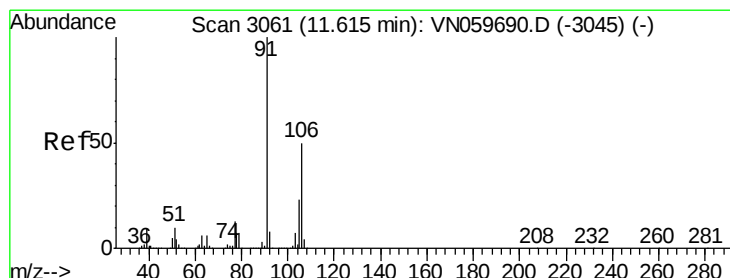
100000

0

11.40 11.45 11.50 11.55



Time--> 11.40 11.45 11.50 11.55



#68

m/p-Xylenes

Concen: 96.559 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059721.D

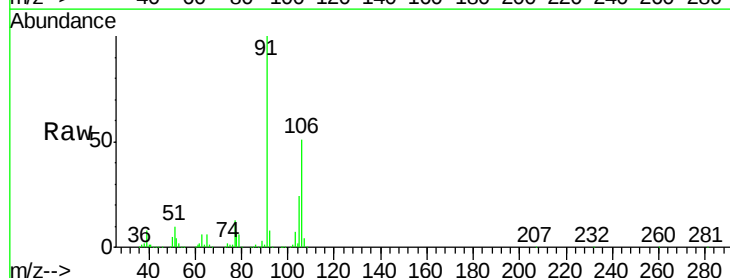
Acq: 16 Jan 2020 10:10

Tgt Ion: 106 Resp: 376167

Ion Ratio Lower Upper

106 100

91 198.3 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059690.D (-3045) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-3045) (-)

400000

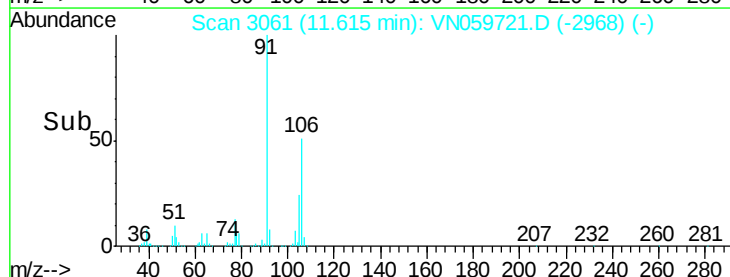
300000

200000

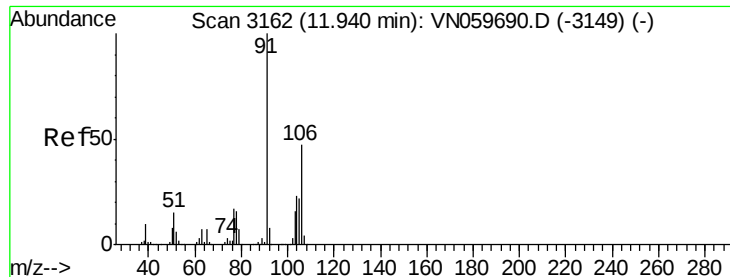
100000

0

11.50 11.60 11.70



Time--> 11.50 11.60 11.70



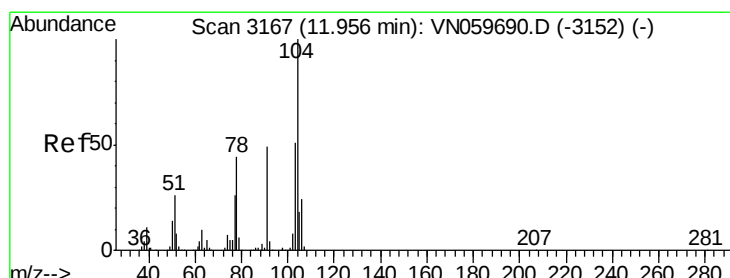
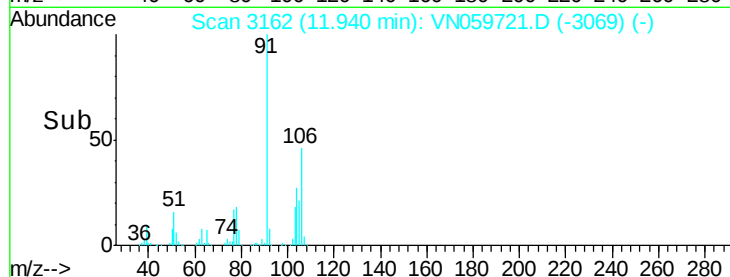
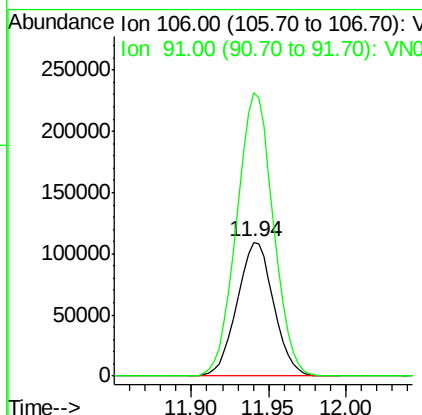
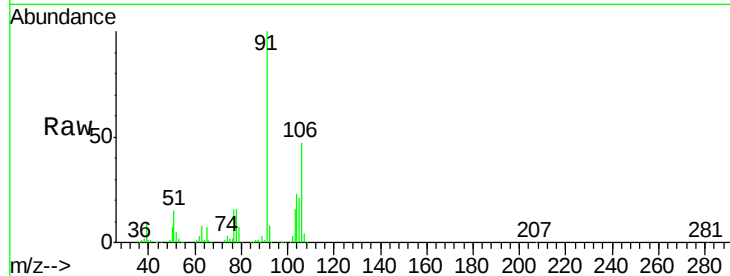
#69  
o-Xylene  
Concen: 47.129 ug/l  
RT: 11.94 min Scan# 3162  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 106     | 100   |       |       |       |
| 91      | 211.8 | 110.3 | 330.9 |       |

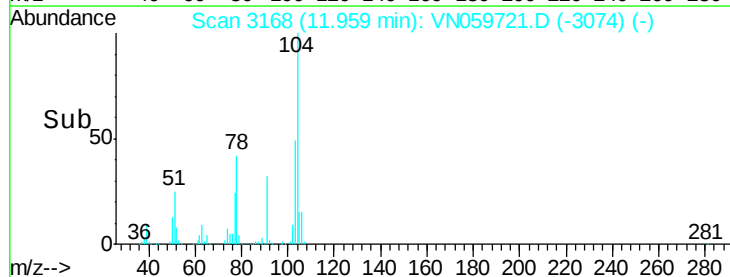
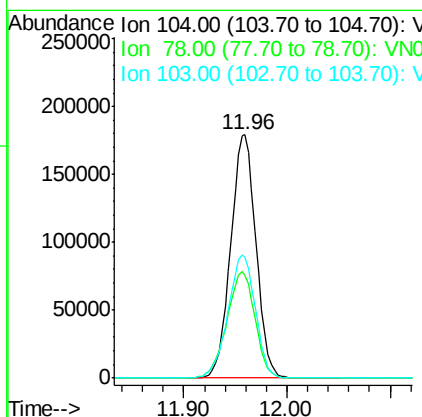
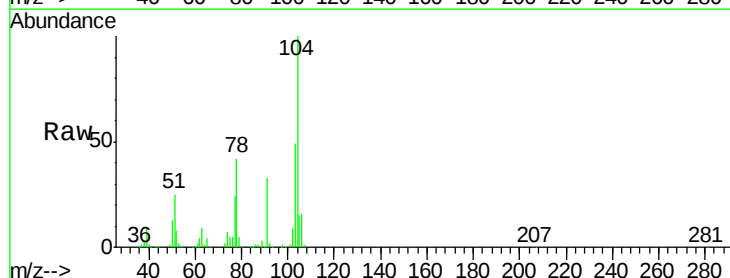
Manual Integrations  
APPROVED

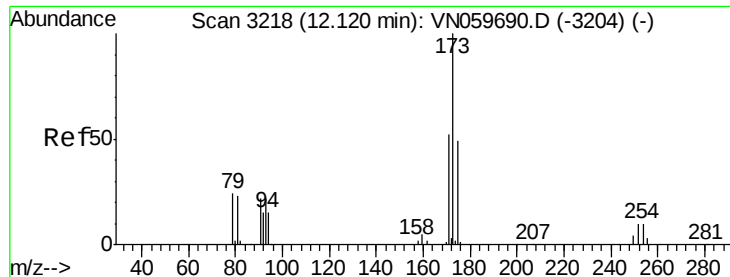
MMDadoda  
1/17/2020 1:52:50 PM



#70  
Styrene  
Concen: 47.955 ug/l  
RT: 11.96 min Scan# 3168  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 104     | 100  |       |       |       |
| 78      | 48.6 | 42.4  | 63.6  |       |
| 103     | 54.8 | 43.9  | 65.9  |       |





#71

Bromoform

Concen: 49.412 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 86887

Ion Ratio Lower Upper

173 100

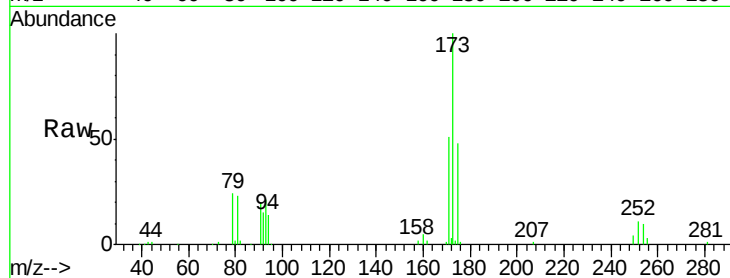
175 49.2 23.8 71.4

254 0.0 0.0 0.0

Manual Integrations  
APPROVED

MMDadoda

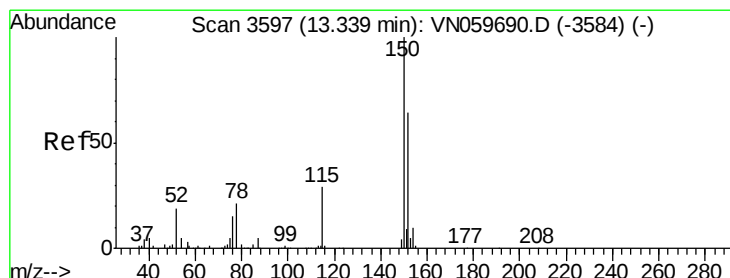
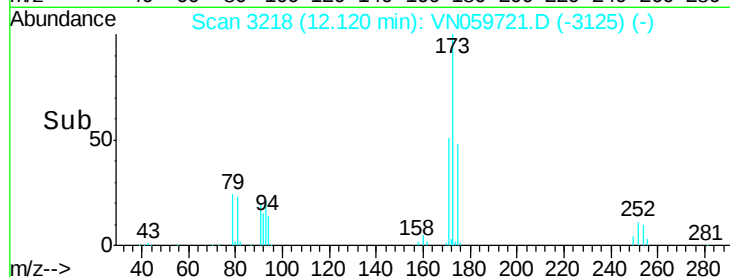
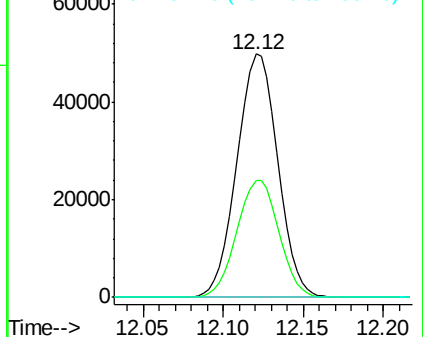
1/17/2020 1:52:50 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

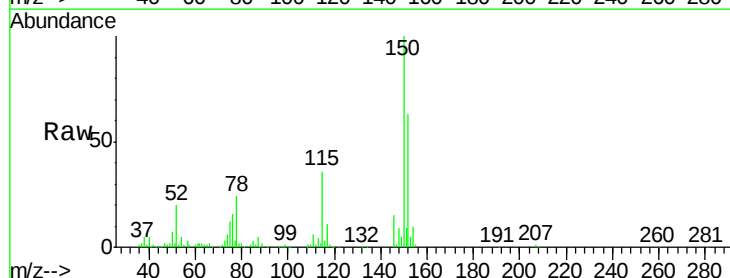
Tgt Ion:152 Resp: 143169

Ion Ratio Lower Upper

152 100

115 56.8 30.3 90.9

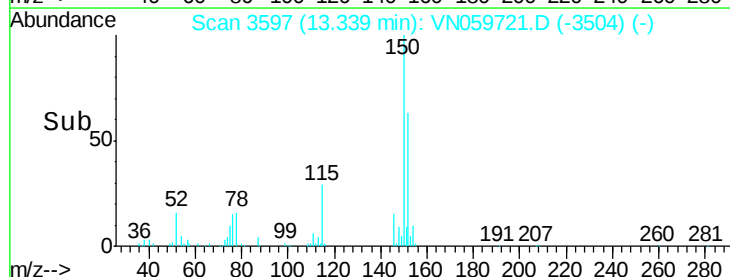
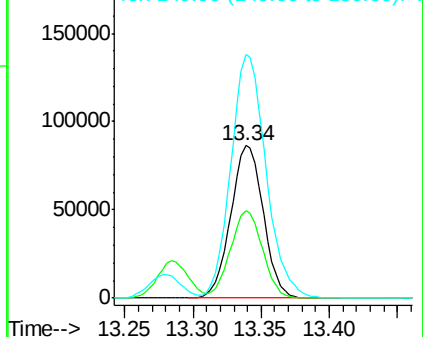
150 172.2 0.0 345.2

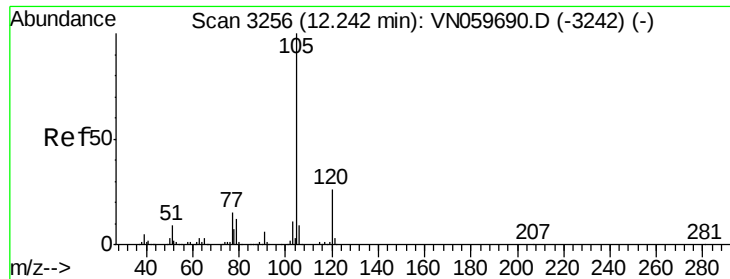


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





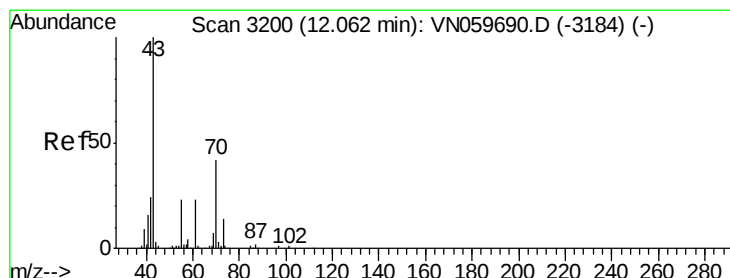
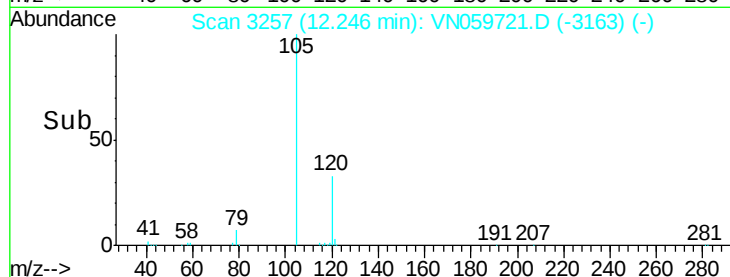
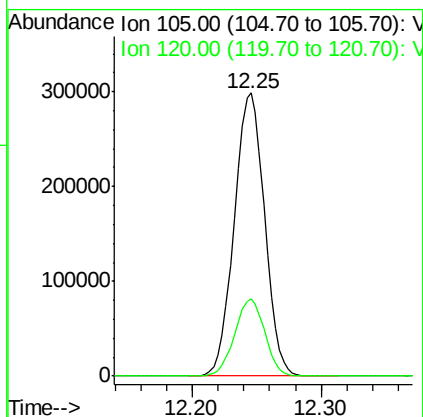
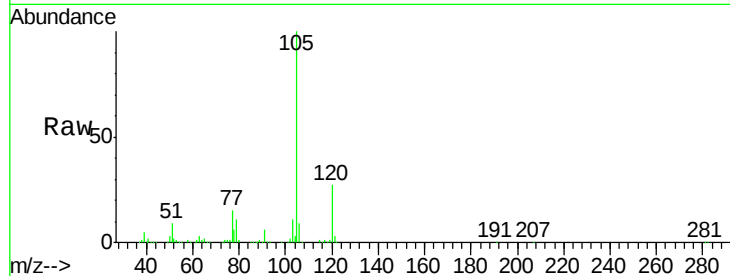
#73  
Isopropylbenzene  
Concen: 46.432 ug/l  
RT: 12.25 min Scan# 3257  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.8  | 13.2  | 39.5  |

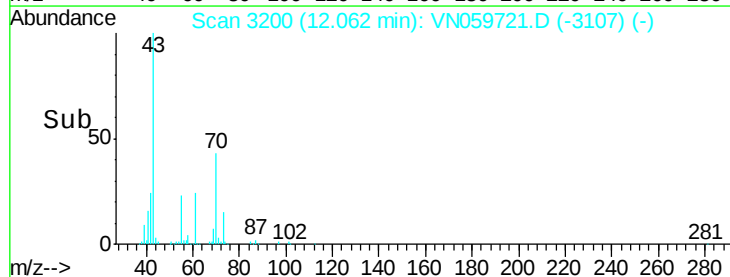
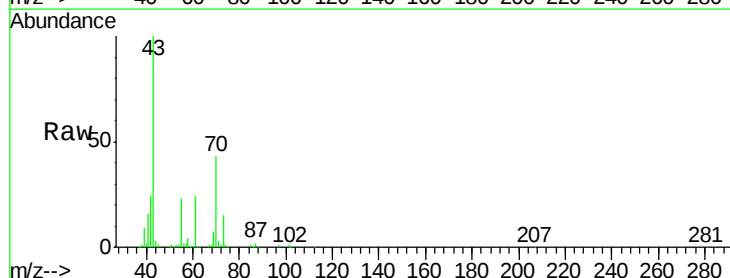
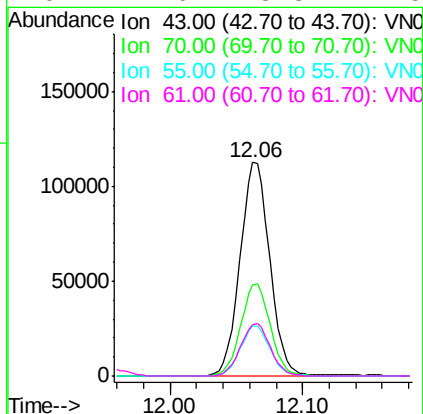
Manual Integrations  
APPROVED

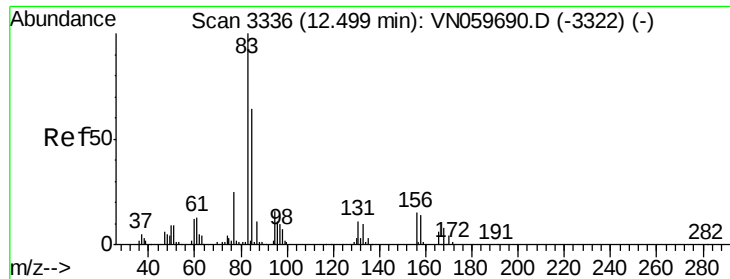
MMDadoda  
1/17/2020 1:52:50 PM



#74  
N-ethyl acetate  
Concen: 43.099 ug/l  
RT: 12.06 min Scan# 3200  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 42.6  | 31.3  | 46.9  |
| 55      | 23.3  | 19.8  | 29.6  |
| 61      | 24.6  | 18.3  | 27.5  |





#75

1,1,2,2-Tetrachloroethane

Concen: 44.583 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 135706

Ion Ratio Lower Upper

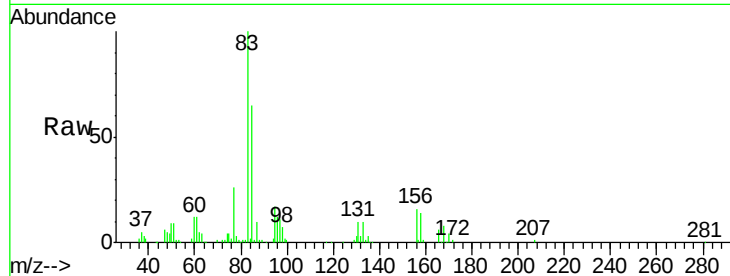
83 100

131 10.8 5.0 14.9

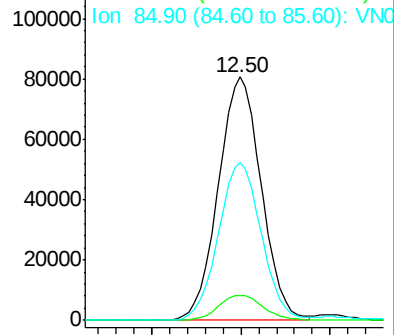
85 64.9 31.9 95.5

Manual Integrations  
APPROVED

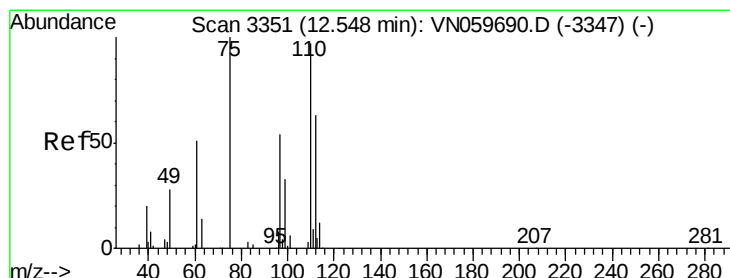
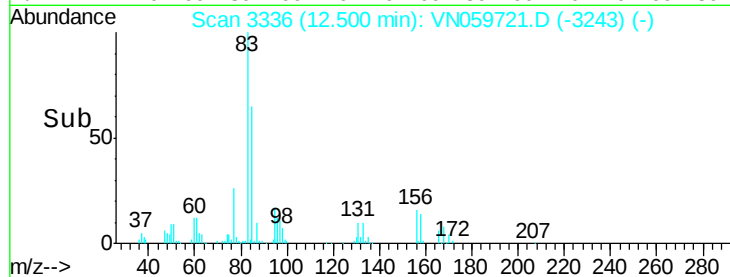
MMDadoda  
1/17/2020 1:52:50 PM



Abundance Ion 82.90 (82.60 to 83.60): VN059721.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 50.343 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059721.D

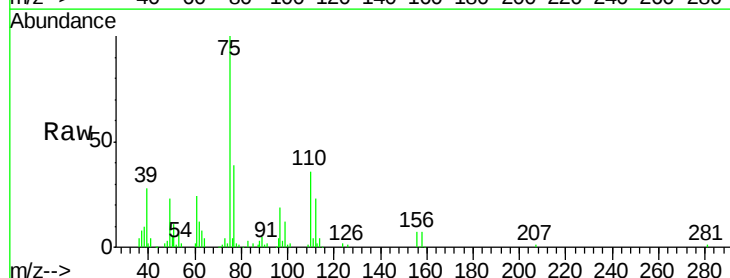
Acq: 16 Jan 2020 10:10

Tgt Ion: 75 Resp: 121295

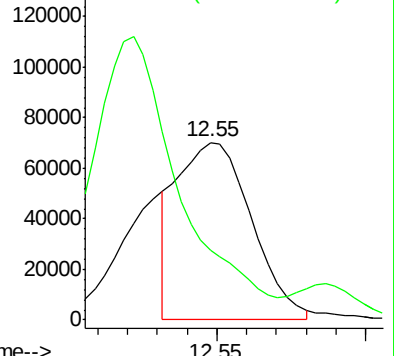
Ion Ratio Lower Upper

75 100

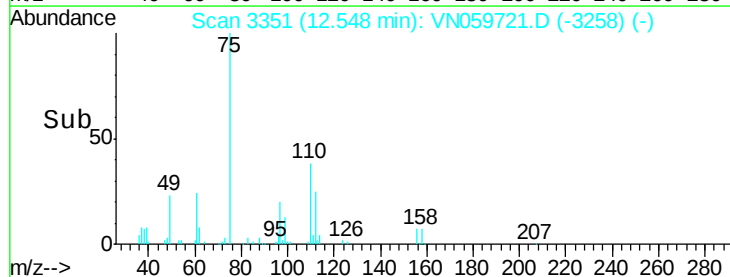
77 0.0 0.0 0.0

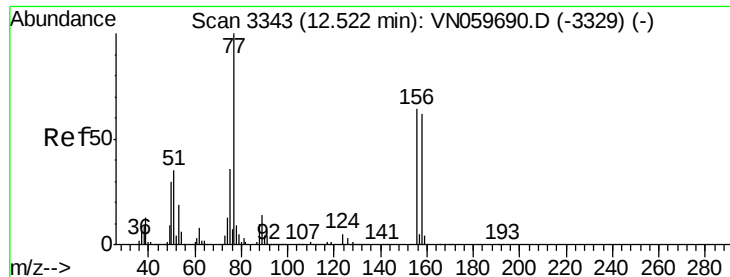


Abundance Ion 74.90 (74.60 to 75.60): VN059721.D (-3258) (-)



Time-->





#77

Bromobenzene

Concen: 47.225 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

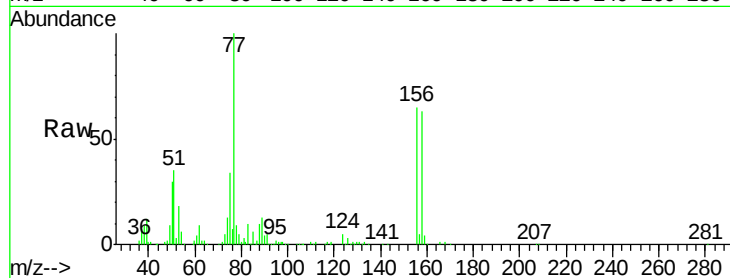
ClientSampled :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 125572 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 183.0 | 115.8 | 347.4  |
| 158       | 96.7  | 49.2  | 147.6  |

Manual Integrations  
APPROVED

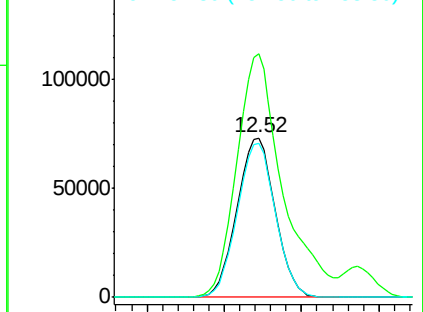
MMDadoda  
1/17/2020 1:52:50 PM



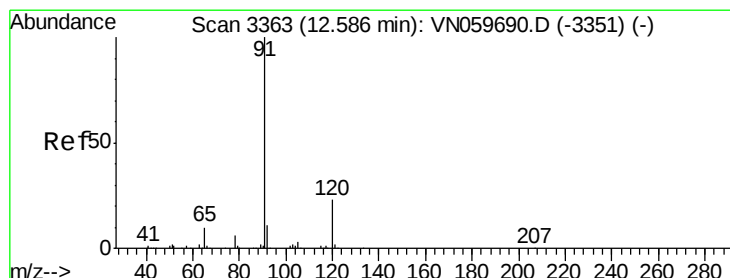
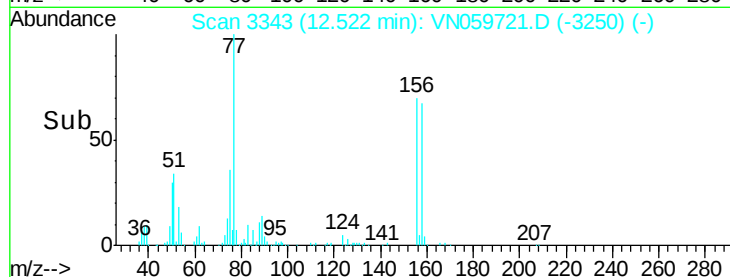
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 46.974 ug/l

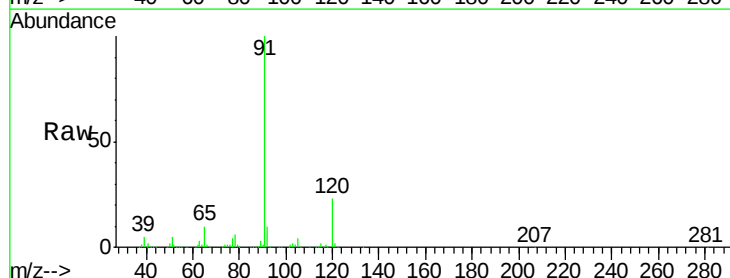
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059721.D

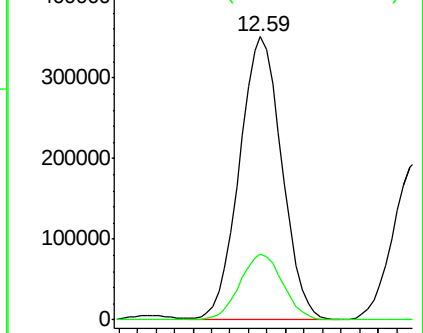
Acq: 16 Jan 2020 10:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 553590 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.6  | 11.1  | 33.3   |

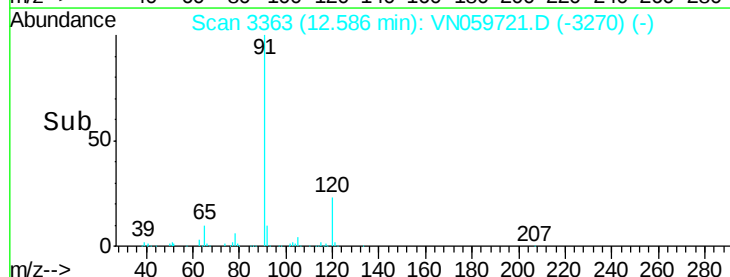


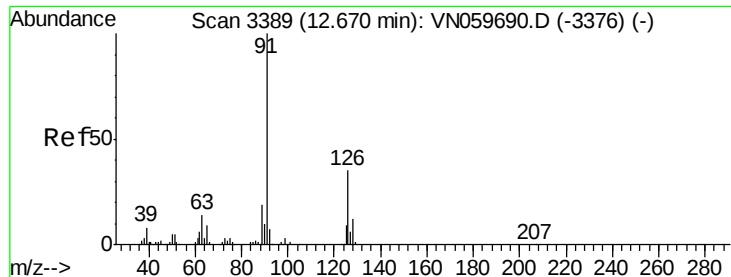
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





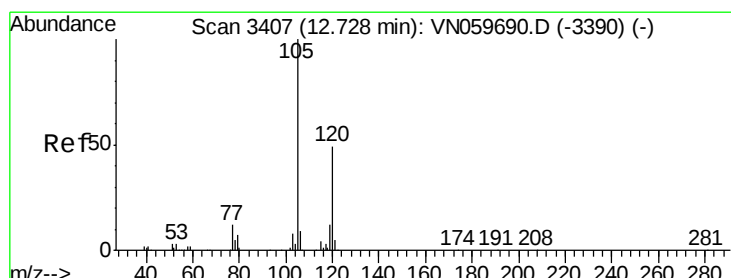
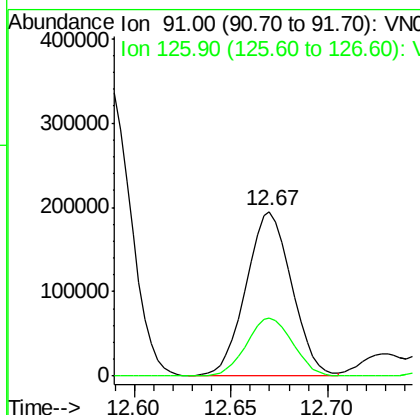
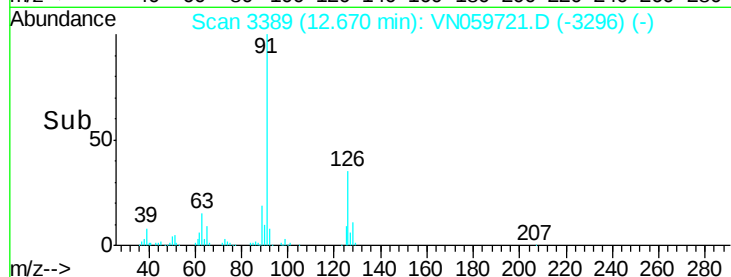
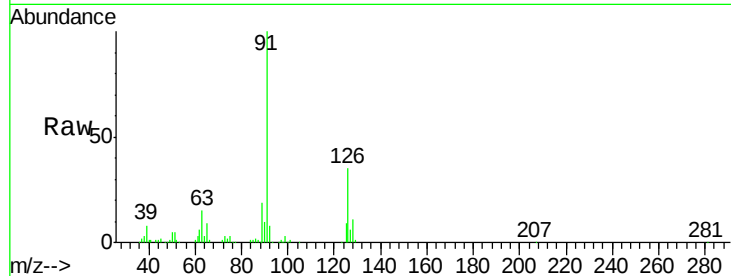
#79  
 2-Chlorotoluene  
 Concen: 45.406 ug/l  
 RT: 12.67 min Scan# 3389  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 91 Resp: 318342  
 Ion Ratio Lower Upper  
 91 100  
 126 35.9 16.3 48.9

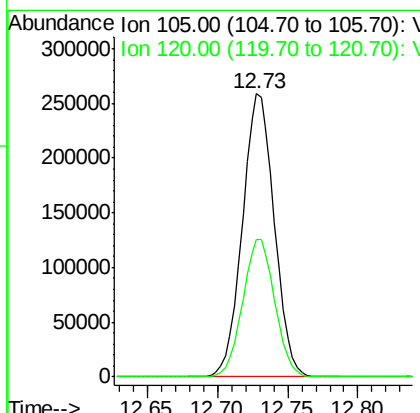
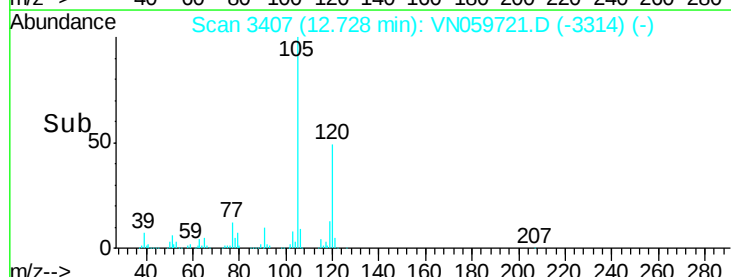
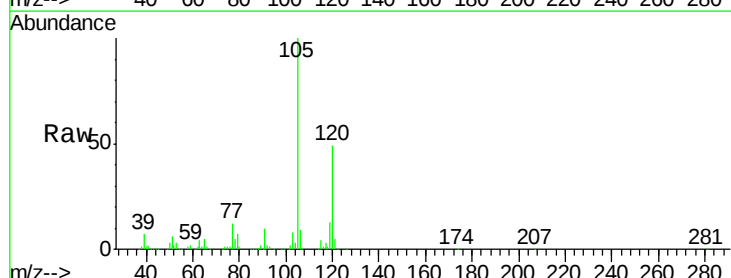
Manual Integrations  
 APPROVED

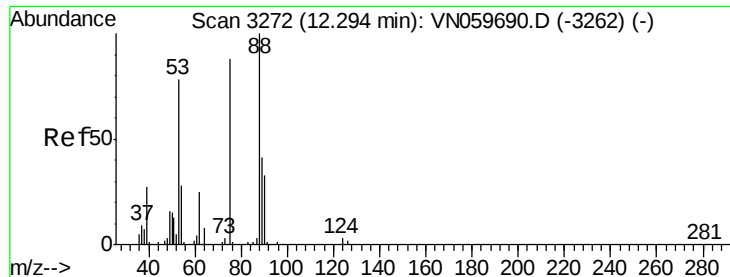
MMDadoda  
 1/17/2020 1:52:50 PM



#80  
 1,3,5-Trimethylbenzene  
 Concen: 46.414 ug/l  
 RT: 12.73 min Scan# 3407  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Tgt Ion: 105 Resp: 409855  
 Ion Ratio Lower Upper  
 105 100  
 120 48.8 24.1 72.4





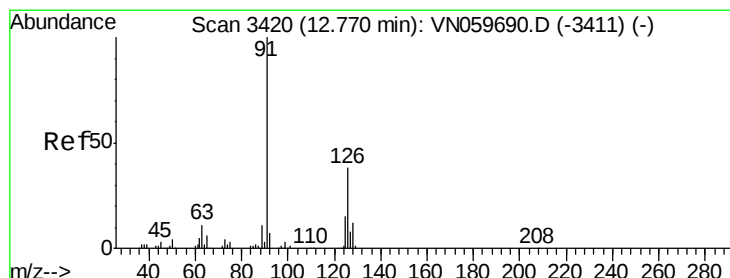
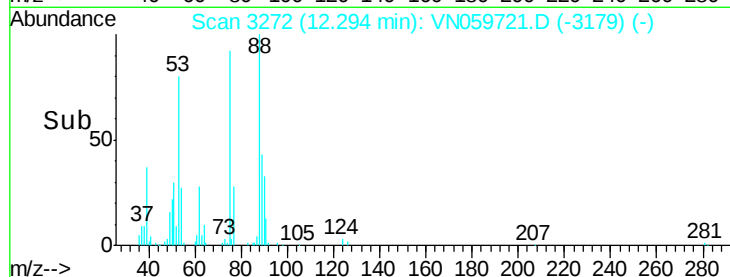
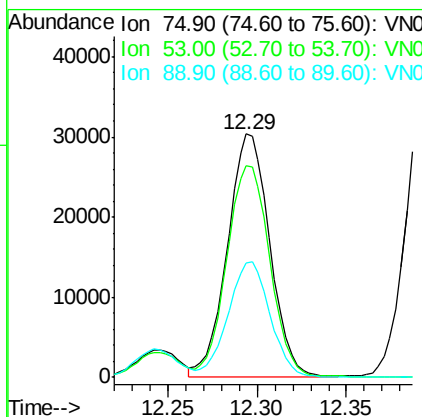
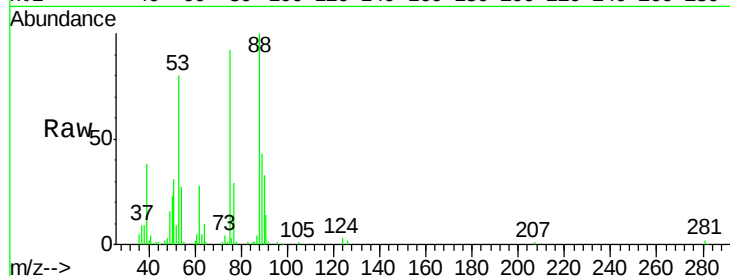
#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.811 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 87.3  | 78.1  | 117.1 |
| 89      | 46.9  | 35.4  | 53.2  |

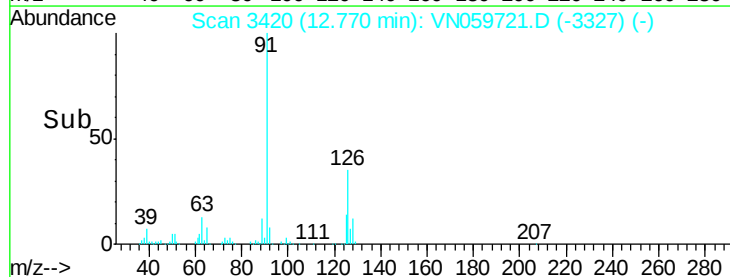
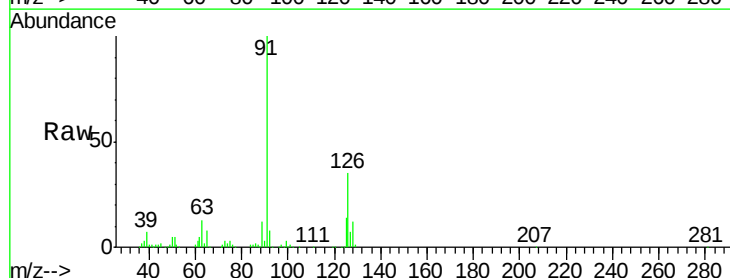
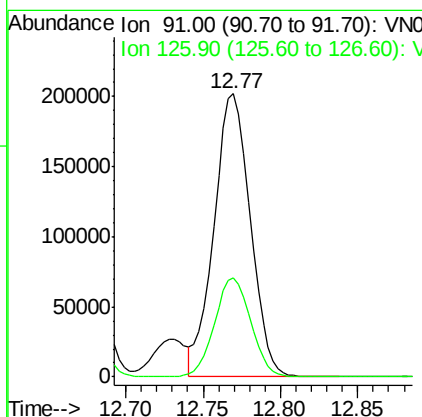
Manual Integrations  
APPROVED

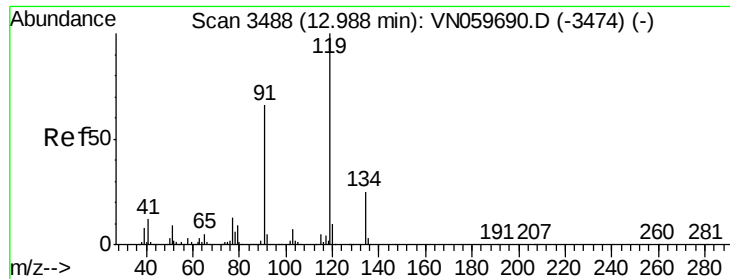
MMDadoda  
1/17/2020 1:52:50 PM



#82  
4-Chlorotoluene  
Concen: 46.760 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.1  | 16.3  | 48.8  |





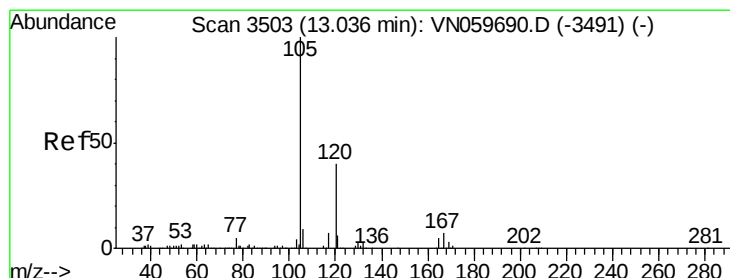
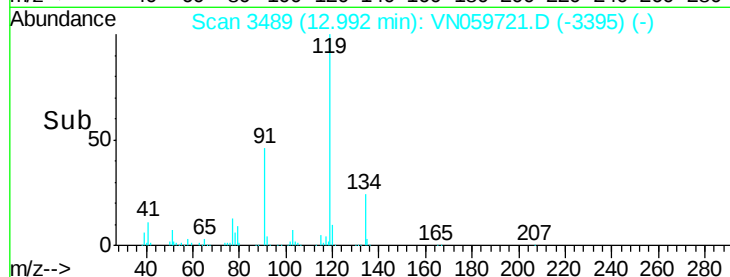
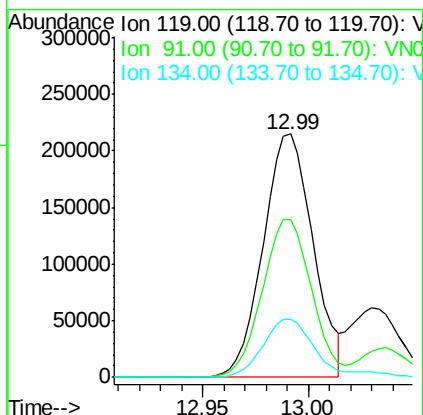
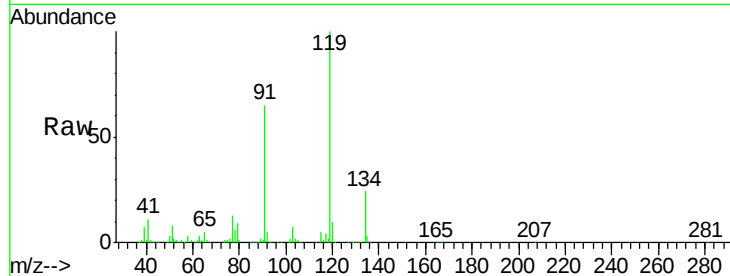
#83  
tert-Butylbenzene  
Concen: 46.256 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.1  | 34.8  | 104.4 |
| 134     | 25.8  | 12.3  | 36.9  |

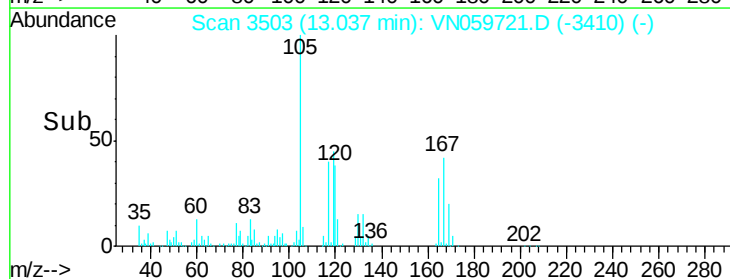
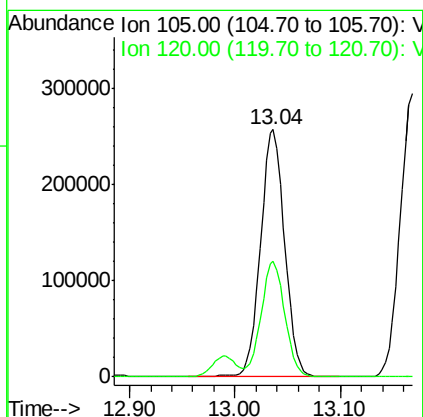
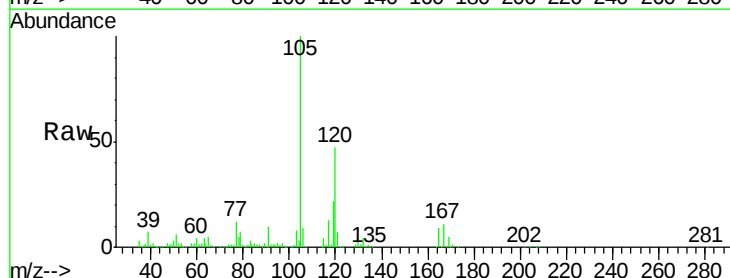
Manual Integrations  
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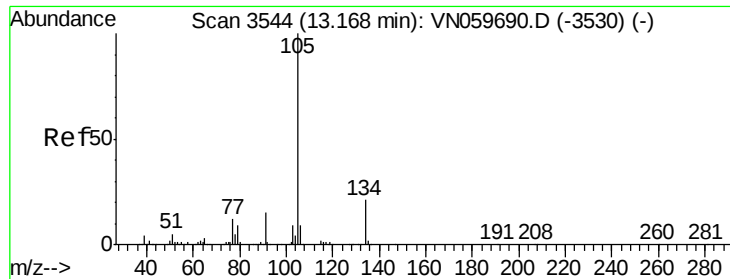
MMDadoda  
1/17/2020 1:52:50 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 47.088 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.9  | 22.3  | 66.9  |





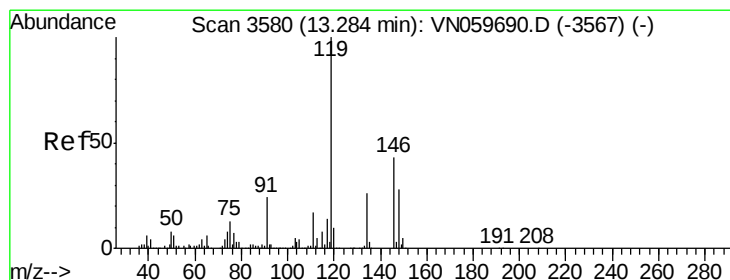
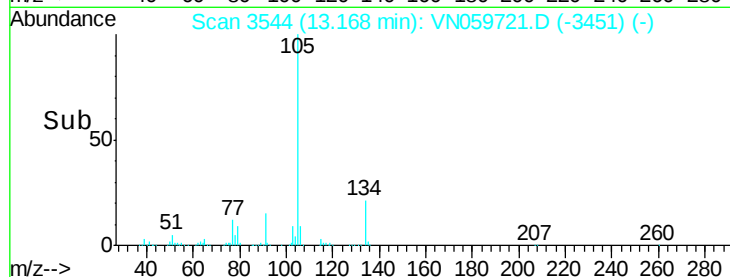
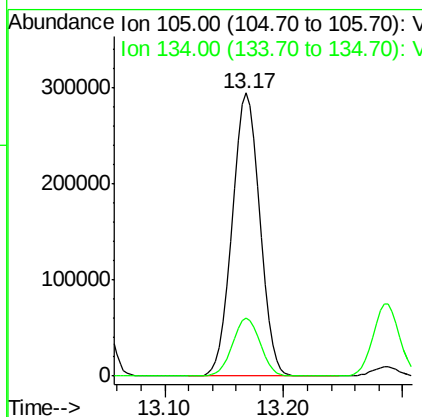
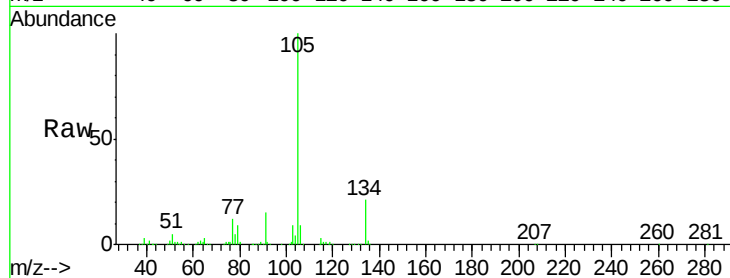
#85  
 sec-Butylbenzene  
 Concen: 47.153 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.6  | 9.8   | 29.5  |

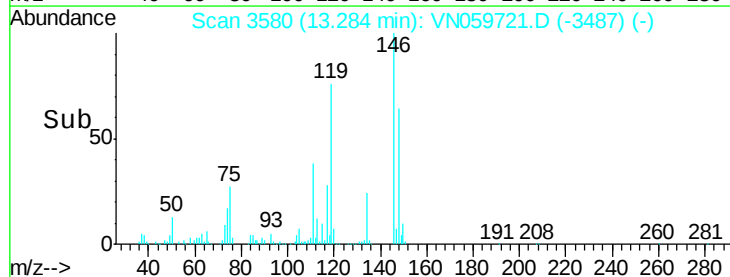
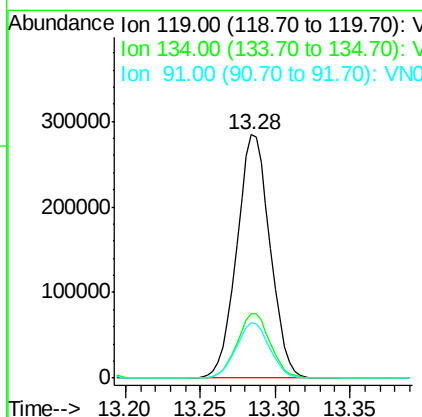
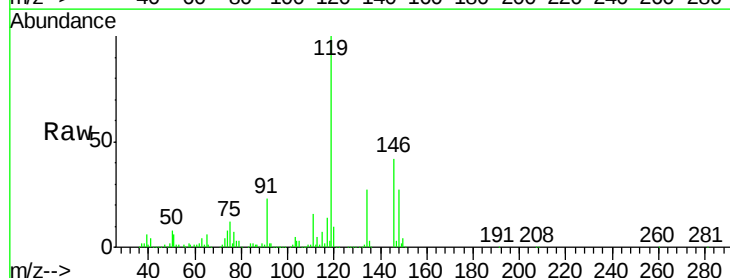
Manual Integrations  
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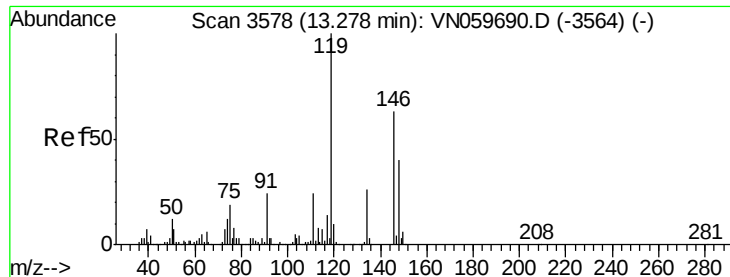
MMDadoda  
 1/17/2020 1:52:50 PM



#86  
 p-Isopropyltoluene  
 Concen: 47.122 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.7  | 12.9  | 38.7  |
| 91      | 23.0  | 12.4  | 37.4  |





#87

1,3-Dichlorobenzene

Concen: 48.164 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059721.D

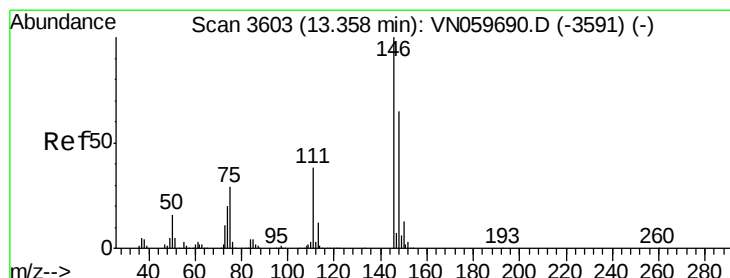
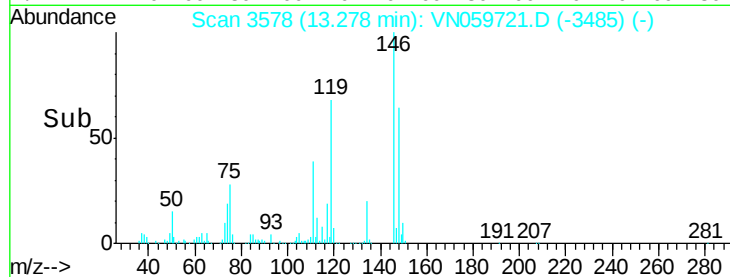
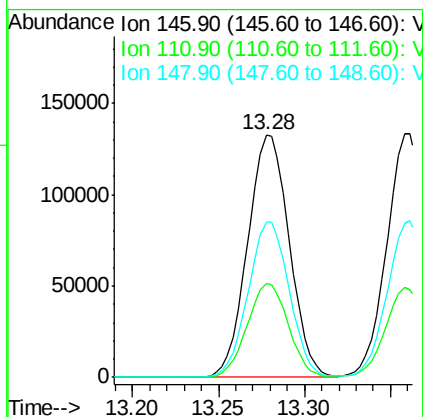
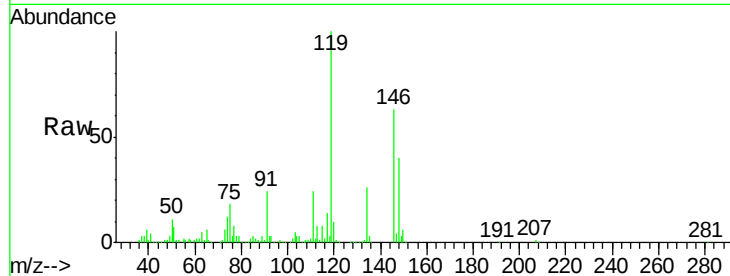
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 20.8  | 62.2  |
| 148     | 63.4  | 32.0  | 96.0  |

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#88

1,4-Dichlorobenzene

Concen: 47.851 ug/l

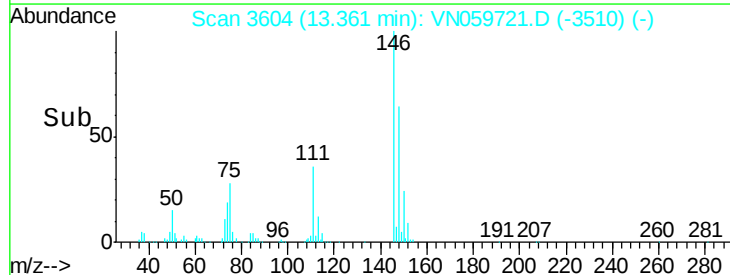
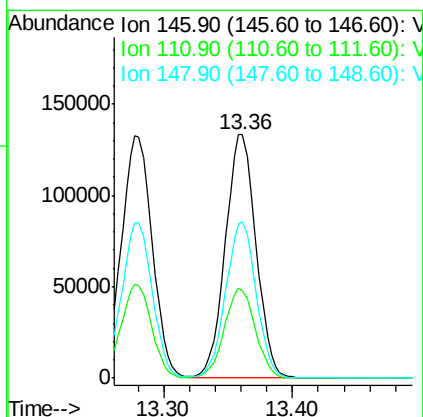
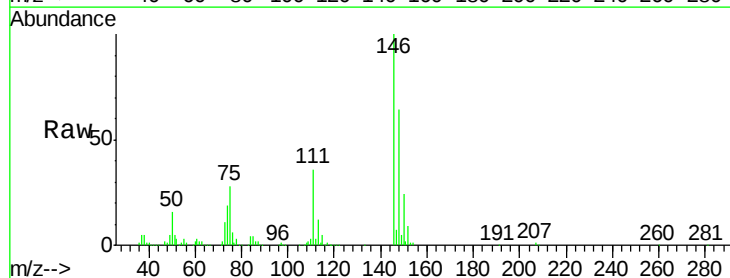
RT: 13.36 min Scan# 3604

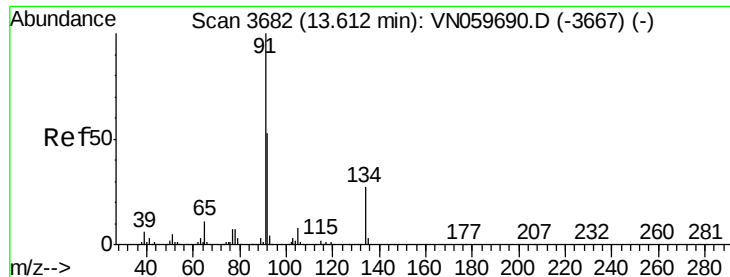
Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 20.8  | 62.2  |
| 148     | 63.6  | 31.8  | 95.4  |





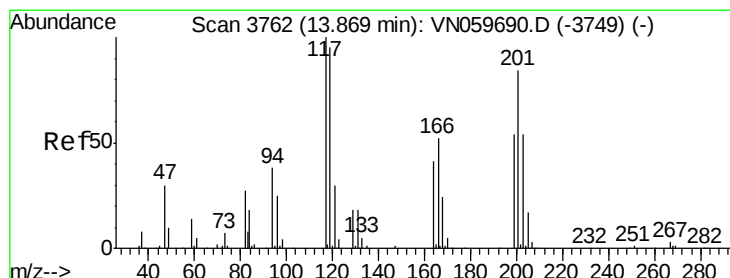
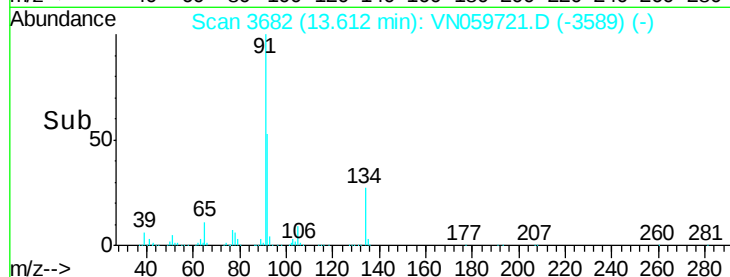
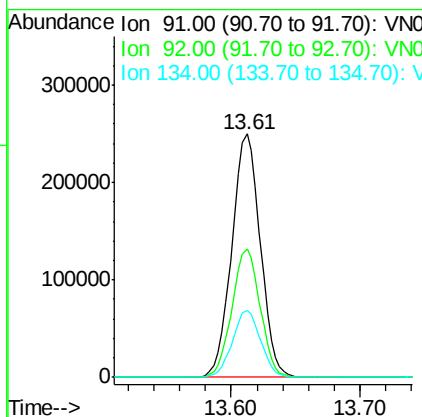
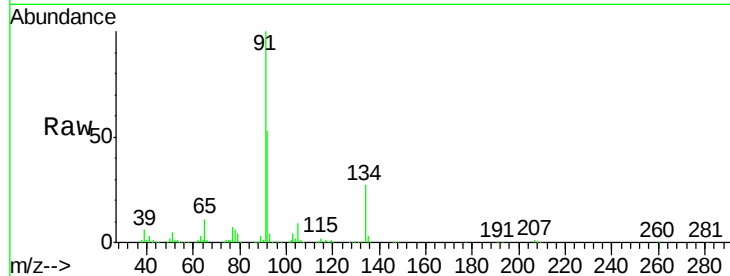
#89  
n-Butylbenzene  
Concen: 48.357 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.2  | 25.9  | 77.7  |
| 134     | 27.2  | 12.3  | 36.8  |

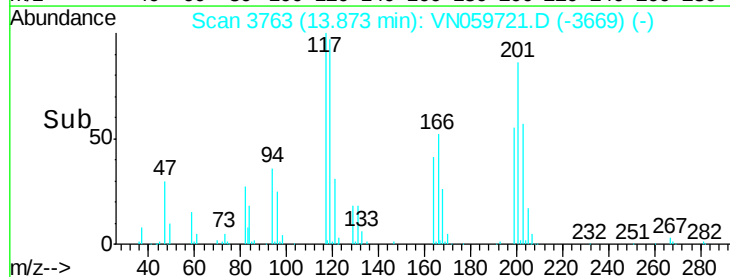
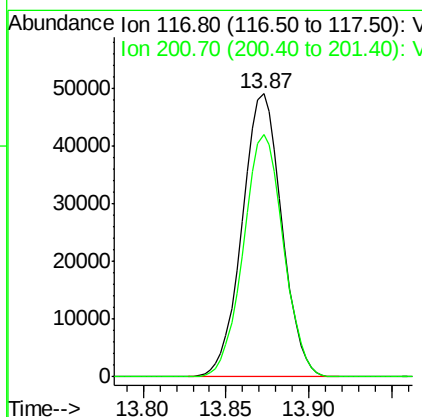
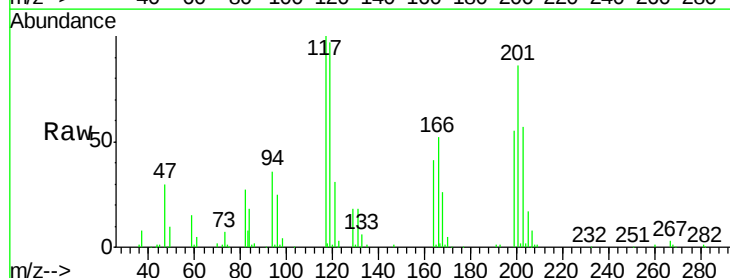
Manual Integrations  
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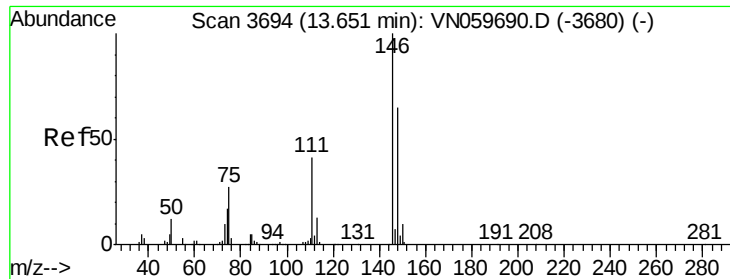
MMDadoda  
1/17/2020 1:52:50 PM



#90  
Hexachloroethane  
Concen: 46.974 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.4  | 37.8  | 113.4 |





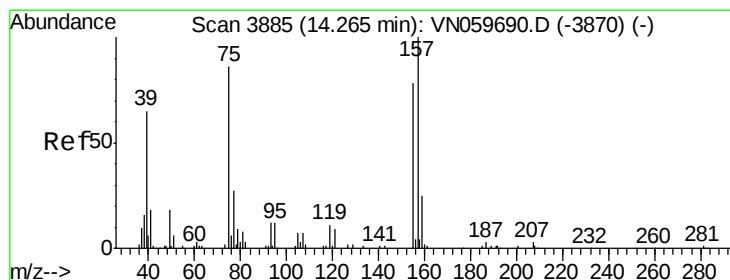
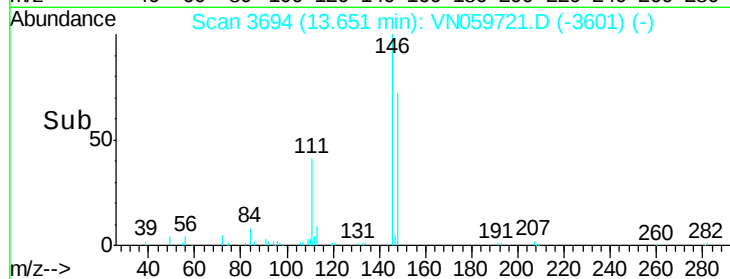
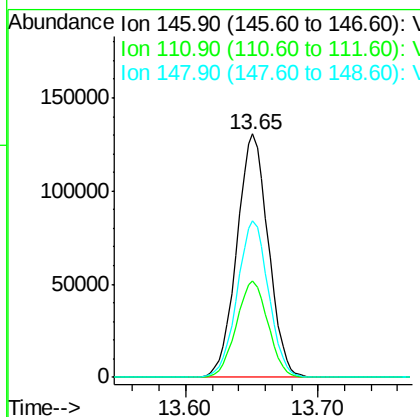
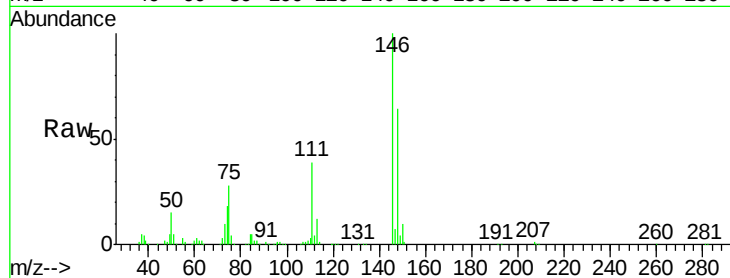
#91  
 1,2-Dichlorobenzene  
 Concen: 47.236 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.6  | 21.6  | 64.8  |
| 148     | 64.0  | 31.6  | 95.0  |

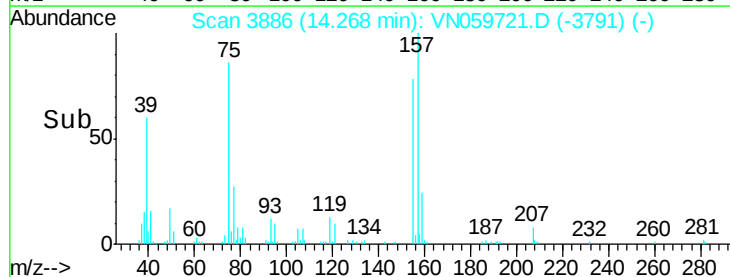
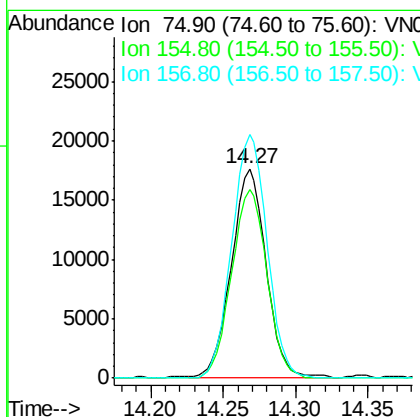
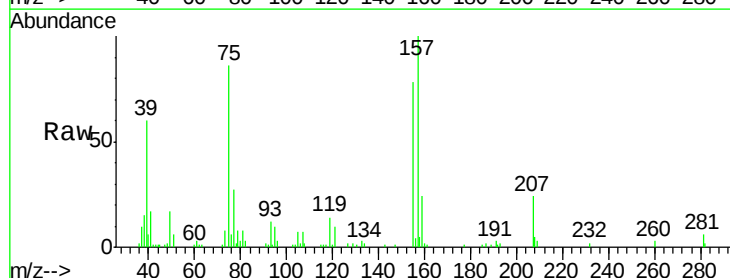
Manual Integrations  
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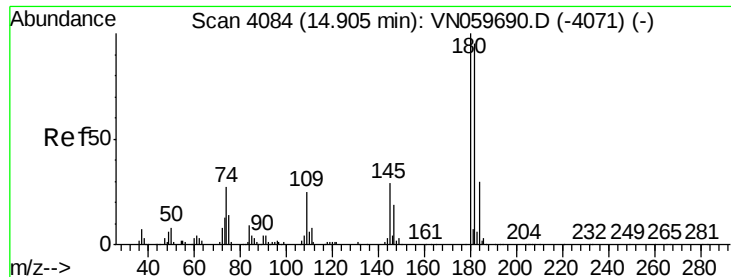
MMDadoda  
 1/17/2020 1:52:50 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 44.871 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN059721.D  
 Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.9  | 37.0  | 110.9 |
| 157     | 117.4 | 48.4  | 145.2 |





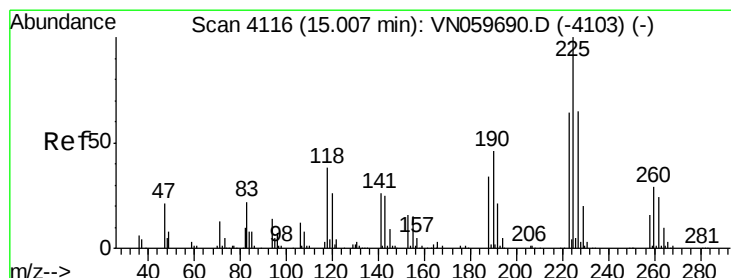
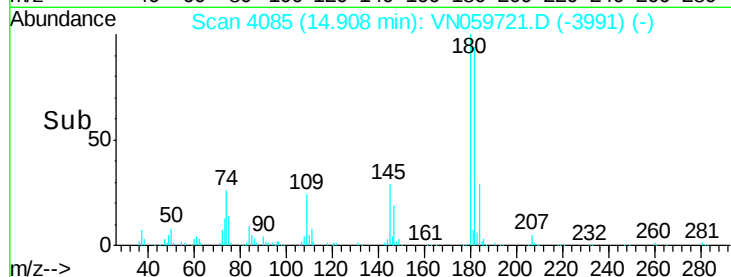
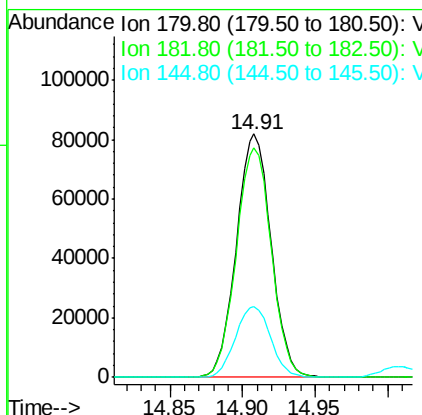
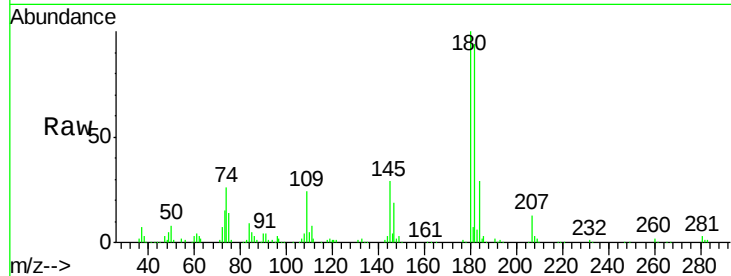
#93  
1,2,4-Trichlorobenzene  
Concen: 49.542 ug/l  
RT: 14.91 min Scan# 4085  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 135931 |       |       |
| 182     | 95.3  | 46.9   | 140.7 |       |
| 145     | 29.7  | 15.0   | 45.1  |       |

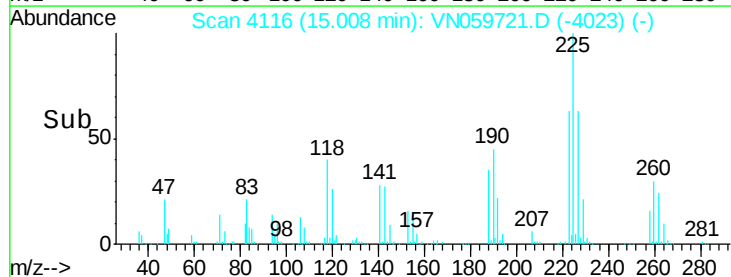
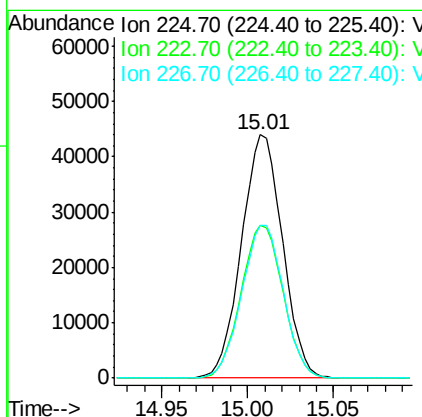
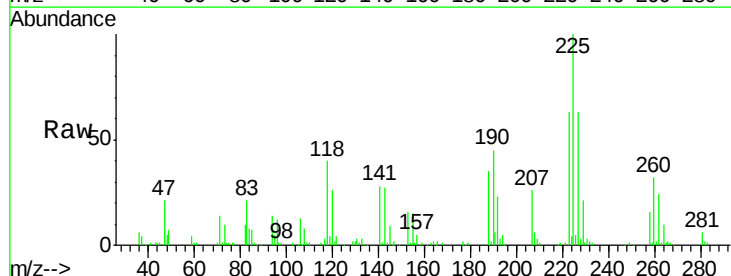
Manual Integrations  
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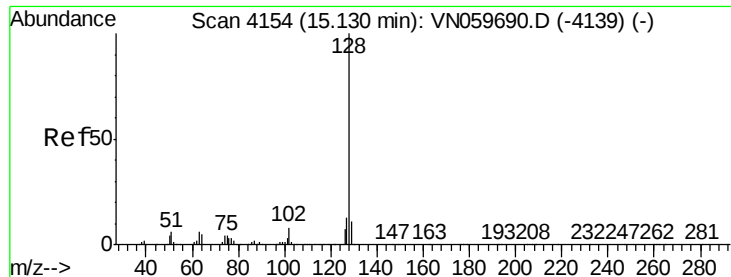
MMDadoda  
1/17/2020 1:52:50 PM



#94  
Hexachlorobutadiene  
Concen: 48.121 ug/l  
RT: 15.01 min Scan# 4116  
Delta R.T. 0.00 min  
Lab File: VN059721.D  
Acq: 16 Jan 2020 10:10

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 72758 |       |       |
| 223     | 64.3  | 31.8  | 95.3  |       |
| 227     | 63.9  | 32.1  | 96.5  |       |





#95

Naphthalene

Concen: 45.976 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

Instrument :

MSVOA\_N

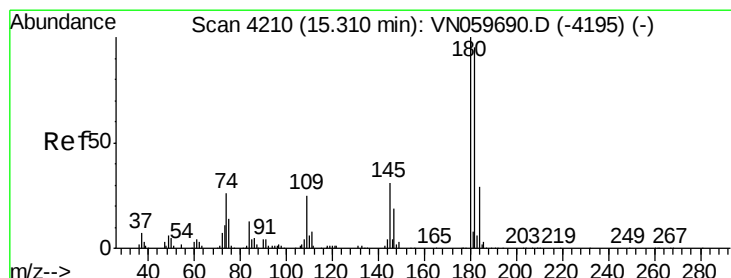
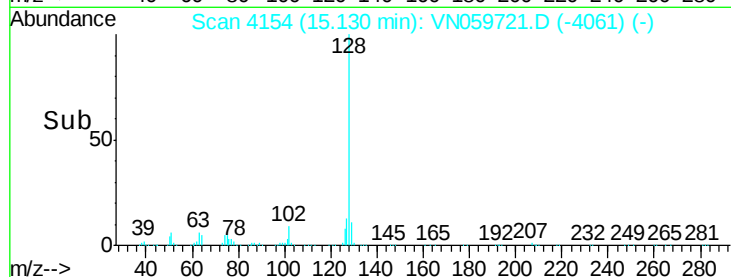
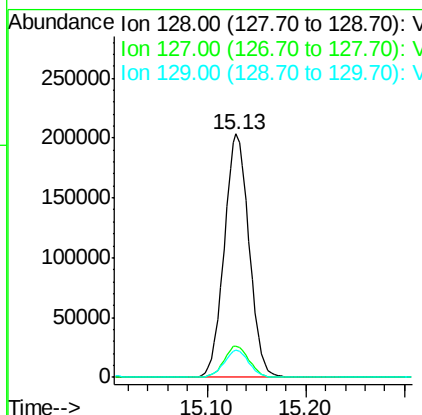
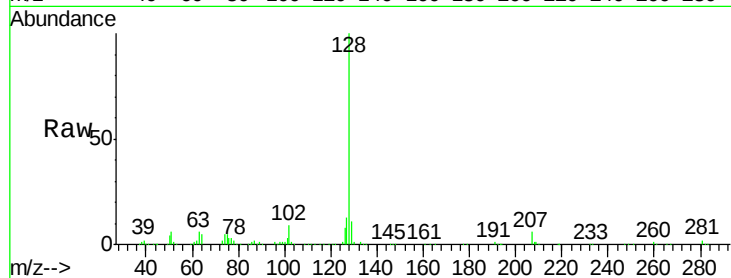
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 358810 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.4  | 15.6   |
| 129       | 11.0  | 8.6   | 12.8   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 48.039 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059721.D

Acq: 16 Jan 2020 10:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 128296 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.0  | 47.4  | 142.3  |
| 145       | 30.9  | 16.3  | 48.9   |

