

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011520\  
 Data File : VN059709.D  
 Acq On : 15 Jan 2020 9:47  
 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  
 1/16/2020 10:56:45 AM

Quant Time: Jan 16 03:57:07 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  | 207962   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 311453   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 285390   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 140769   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.00   | 65  | 106020   | 45.91 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.82% |      |
| 35) Dibromofluoromethane  | 7.56   | 113 | 92026    | 49.55 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.10% |      |
| 50) Toluene-d8            | 10.08  | 98  | 350775   | 48.74 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.48% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 126131   | 48.62 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.24% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 122416  | 49.927  | ug/l   | 98     |
| 3) Chloromethane              | 2.04 | 50  | 113619  | 47.721  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.17 | 62  | 139323  | 51.144  | ug/l   | 99     |
| 5) Bromomethane               | 2.54 | 94  | 84429   | 50.785  | ug/l   | 98     |
| 6) Chloroethane               | 2.68 | 64  | 64930   | 50.380  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.00 | 101 | 162360  | 49.628  | ug/l   | 98     |
| 8) Diethyl Ether              | 3.38 | 74  | 57462   | 50.048  | ug/l   | 81     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 95131   | 52.246  | ug/l   | 92     |
| 10) Methyl Iodide             | 3.93 | 142 | 142235  | 48.327  | ug/l   | 94     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 85846   | 220.805 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 92400   | 48.564  | ug/l   | 88     |
| 13) Acrolein                  | 3.57 | 56  | 49533   | 179.980 | ug/l   | 97     |
| 14) Allyl chloride            | 4.29 | 41  | 123403  | 48.119  | ug/l # | 88     |
| 15) Acrylonitrile             | 4.94 | 53  | 206907  | 233.304 | ug/l   | 99     |
| 16) Acetone                   | 3.78 | 43  | 206064  | 262.088 | ug/l   | 95     |
| 17) Carbon Disulfide          | 4.03 | 76  | 263853  | 48.681  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.28 | 43  | 122040  | 45.240  | ug/l # | 90     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73  | 300535  | 48.447  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.52 | 84  | 100624  | 48.109  | ug/l   | 90     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96  | 99958   | 49.424  | ug/l   | 89     |
| 22) Diisopropyl ether         | 5.91 | 45  | 284206  | 48.902  | ug/l # | 96     |
| 23) Vinyl Acetate             | 5.86 | 43  | 1106469 | 245.901 | ug/l # | 94     |
| 24) 1,1-Dichloroethane        | 5.82 | 63  | 172692  | 48.631  | ug/l   | 97     |
| 25) 2-Butanone                | 6.80 | 43  | 302908  | 231.610 | ug/l   | 92     |
| 26) 2,2-Dichloropropane       | 6.79 | 77  | 167758  | 49.139  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96  | 114212  | 49.098  | ug/l   | 88     |
| 28) Bromochloromethane        | 7.17 | 49  | 64676   | 45.569  | ug/l # | 75     |
| 29) Tetrahydrofuran           | 7.18 | 42  | 177589  | 219.466 | ug/l   | 88     |
| 30) Chloroform                | 7.34 | 83  | 182553  | 49.615  | ug/l   | 98     |
| 31) Cyclohexane               | 7.63 | 56  | 159077  | 46.554  | ug/l   | 90     |
| 32) 1,1,1-Trichloroethane     | 7.54 | 97  | 168077  | 49.406  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.77 | 75  | 140540  | 51.817  | ug/l   | 96     |
| 37) Ethyl Acetate             | 6.89 | 43  | 115565  | 45.429  | ug/l   | 95     |
| 38) Carbon Tetrachloride      | 7.75 | 117 | 152199  | 51.587  | ug/l   | 99     |

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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  
 APPROVED

MMDadoda  
 1/16/2020 10:56:45 AM

Quant Time: Jan 16 03:57:07 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   | 174030   | 52.038  | ug/l   | 91       |
| 40) Benzene                    | 8.02  | 78   | 404956   | 50.063  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.15  | 41   | 54011m   | 43.106  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 138968   | 50.671  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.14  | 43   | 206348   | 47.160  | ug/l # | 94       |
| 44) Trichloroethene            | 8.81  | 130  | 117272   | 53.108  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 102230   | 51.074  | ug/l   | 100      |
| 46) Dibromomethane             | 9.19  | 93   | 73100    | 51.772  | ug/l   | 91       |
| 47) Bromodichloromethane       | 9.38  | 83   | 148042   | 52.030  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.18  | 41   | 93376    | 47.710  | ug/l   | 89       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 34834    | 972.240 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 589480   | 233.055 | ug/l   | 95       |
| 52) Toluene                    | 10.14 | 92   | 264538   | 51.776  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 167462   | 52.710  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 175632   | 52.540  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 103183   | 50.990  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 155574   | 50.314  | ug/l   | 91       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 166227   | 51.741  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 238364   | 255.938 | ug/l   | 91       |
| 59) 2-Hexanone                 | 10.74 | 43   | 463052   | 248.500 | ug/l   | 92       |
| 60) Dibromochloromethane       | 10.89 | 129  | 120727   | 52.390  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 109569   | 51.660  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.62 | 164  | 107923   | 46.399  | ug/l   | 94       |
| 65) Chlorobenzene              | 11.43 | 112  | 288888   | 51.500  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 111919   | 51.636  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.50 | 91   | 519724   | 51.039  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.61 | 106  | 396775   | 103.152 | ug/l   | 94       |
| 69) o-Xylene                   | 11.94 | 106  | 190994   | 50.719  | ug/l   | 94       |
| 70) Styrene                    | 11.96 | 104  | 326372   | 51.793  | ug/l   | 97       |
| 71) Bromoform                  | 12.12 | 173  | 91154    | 52.502  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.24 | 105  | 516059   | 49.987  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.06 | 43   | 186912   | 46.658  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 145643   | 48.663  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 137412m  | 58.004  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 131913   | 50.456  | ug/l   | 80       |
| 78) n-propylbenzene            | 12.59 | 91   | 586596   | 50.623  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 339094   | 49.191  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 437896   | 50.435  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 54564    | 49.462  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 352561   | 50.991  | ug/l   | 95       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 376936   | 50.196  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 438318   | 51.029  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 503711   | 51.056  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 463488   | 50.771  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 236510   | 52.079  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 235164   | 51.907  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.61 | 91   | 410208   | 52.701  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 87508    | 51.234  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 227261   | 50.619  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 30141    | 46.786  | ug/l   | 79       |

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Acq On : 15 Jan 2020 9:47  
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

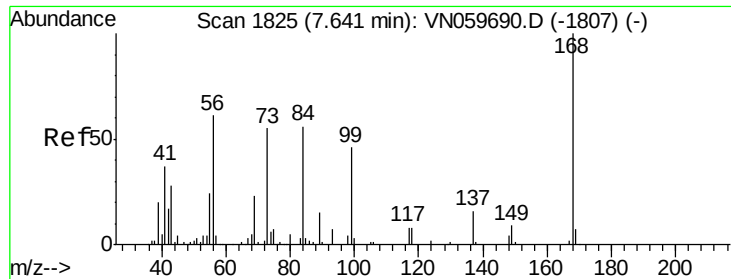
MMDadoda  
1/16/2020 10:56:45 AM

Quant Time: Jan 16 03:57:07 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) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 144895   | 53.709 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 78351    | 52.704 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 381234   | 49.682 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 134452   | 51.202 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 207962

Ion Ratio Lower Upper

168 100

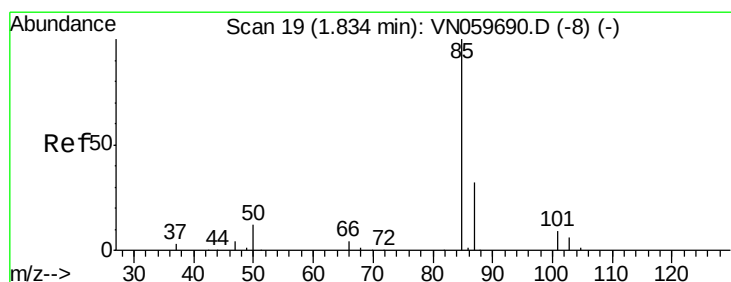
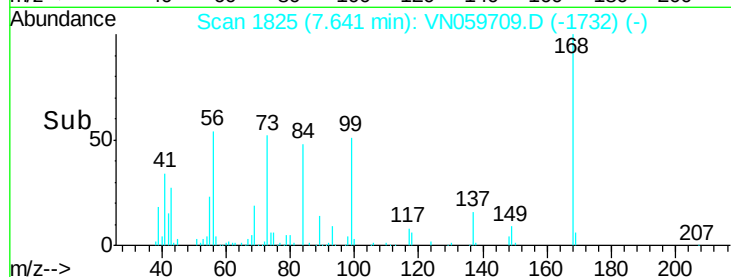
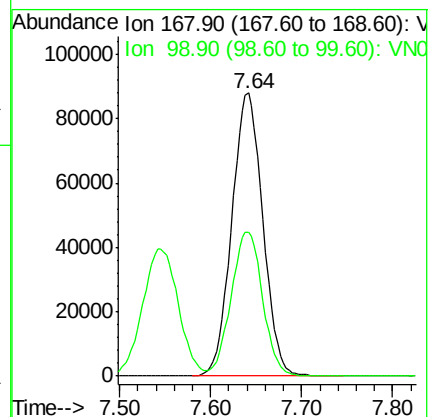
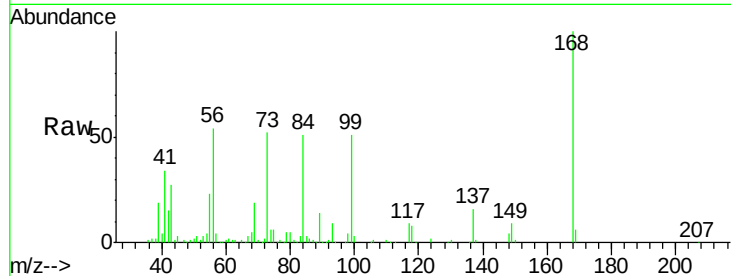
99 50.7 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

1/16/2020 10:56:45 AM



#2

Dichlorodifluoromethane

Concen: 49.927 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059709.D

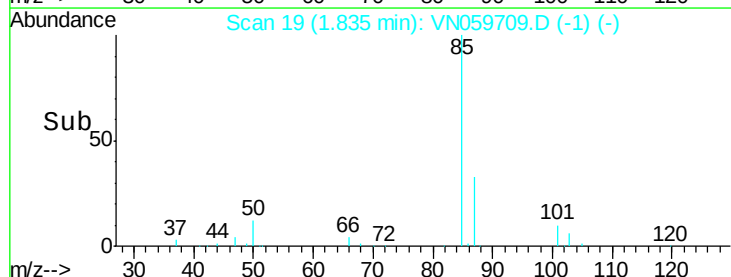
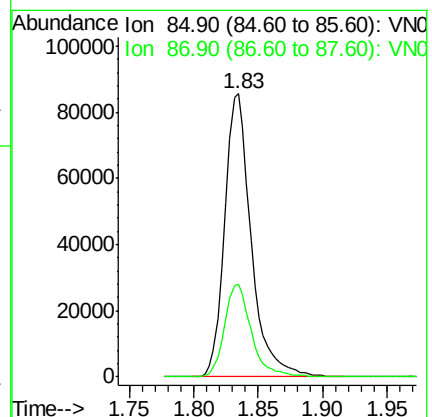
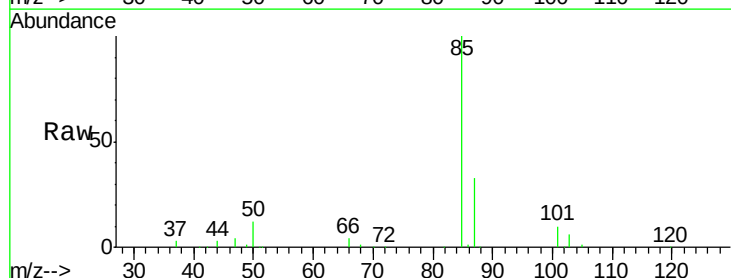
Acq: 15 Jan 2020 9:47

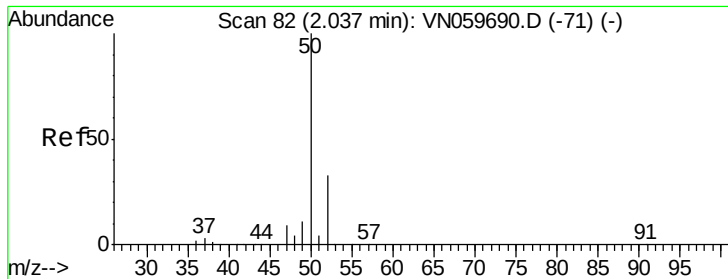
Tgt Ion: 85 Resp: 122416

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7





#3

Chloromethane

Concen: 47.721 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 113619

Ion Ratio Lower Upper

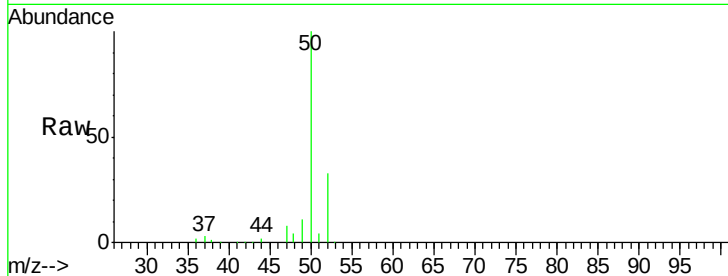
50 100

52 32.6 25.9 38.9

Manual Integrations  
APPROVED

MMDadoda

1/16/2020 10:56:45 AM

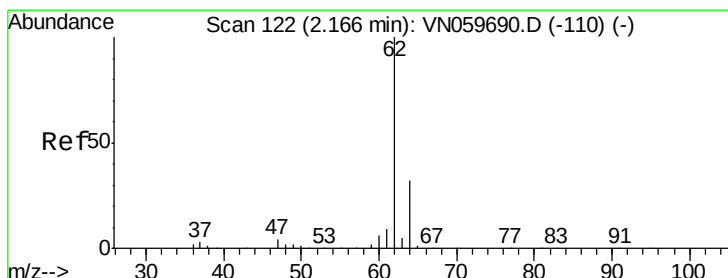
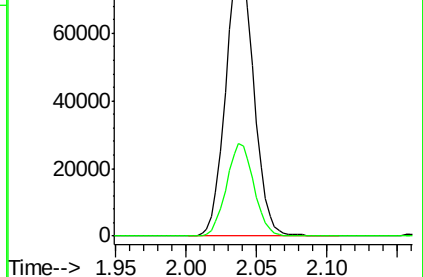
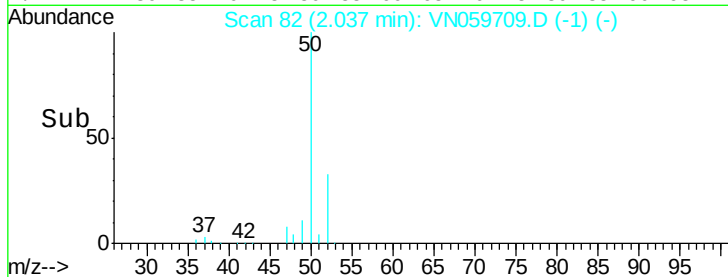


Abundance Ion 49.90 (49.60 to 50.60): VN059690.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN059690.D (-71) (-)

2.04

Time-->



#4

Vinyl Chloride

Concen: 51.144 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059709.D

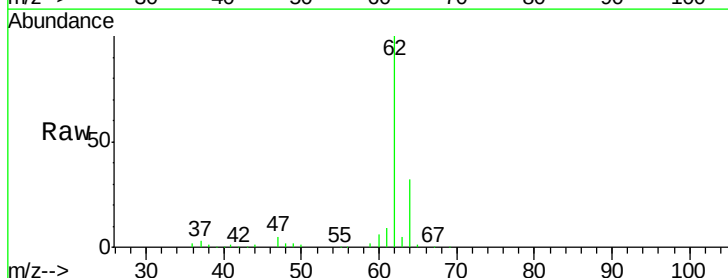
Acq: 15 Jan 2020 9:47

Tgt Ion: 62 Resp: 139323

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0

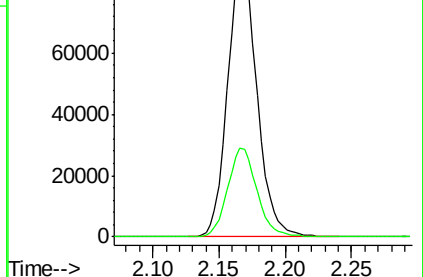
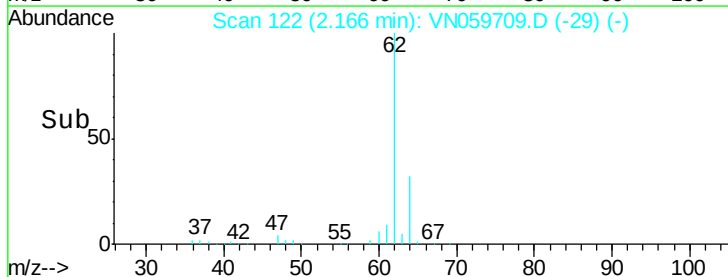


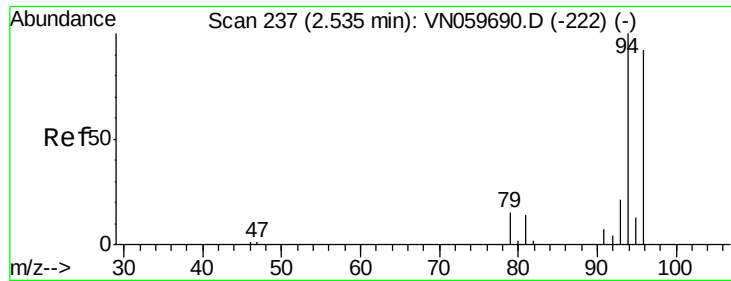
Abundance Ion 61.90 (61.60 to 62.60): VN059690.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN059690.D (-110) (-)

2.17

Time-->





#5

Bromomethane

Concen: 50.785 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84429

Ion Ratio Lower Upper

94 100

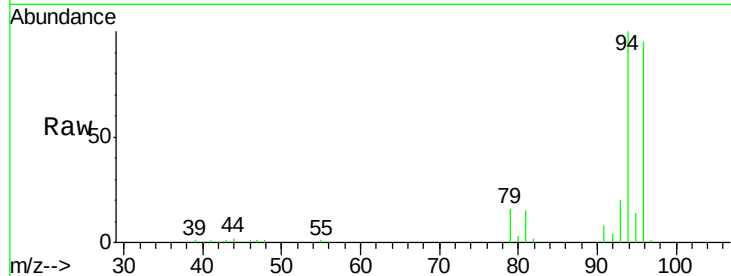
96 95.1 74.7 112.1

Manual Integrations

APPROVED

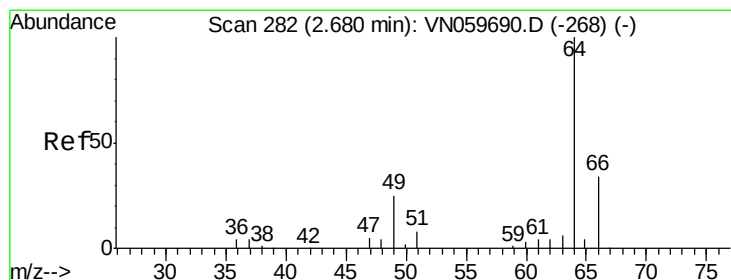
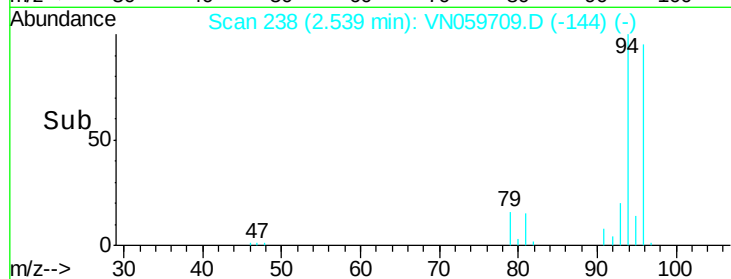
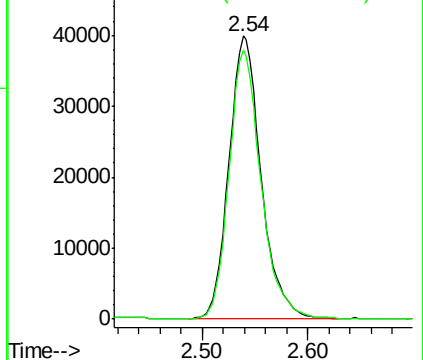
MMDadoda

1/16/2020 10:56:45 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.380 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059709.D

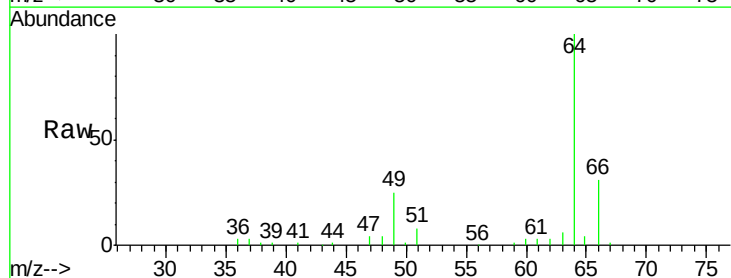
Acq: 15 Jan 2020 9:47

Tgt Ion: 64 Resp: 64930

Ion Ratio Lower Upper

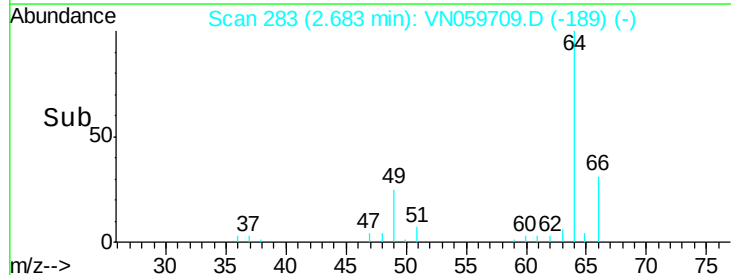
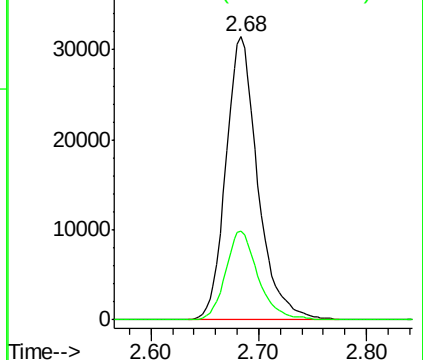
64 100

66 31.3 25.1 37.7

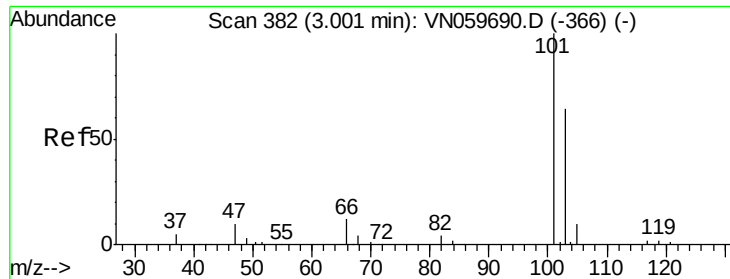


Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO







#7

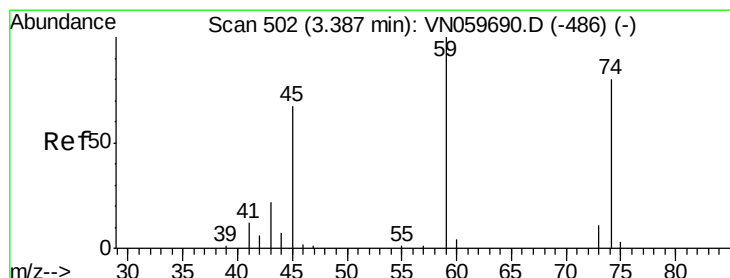
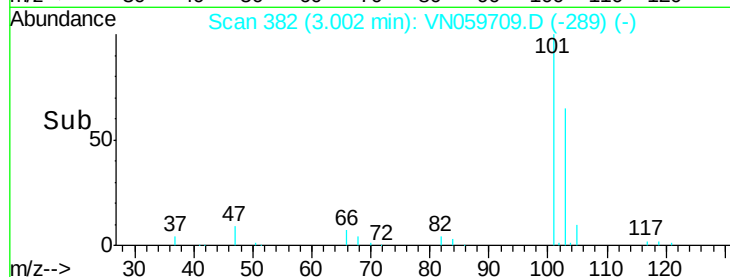
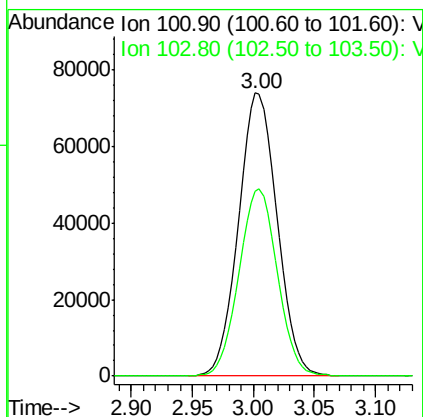
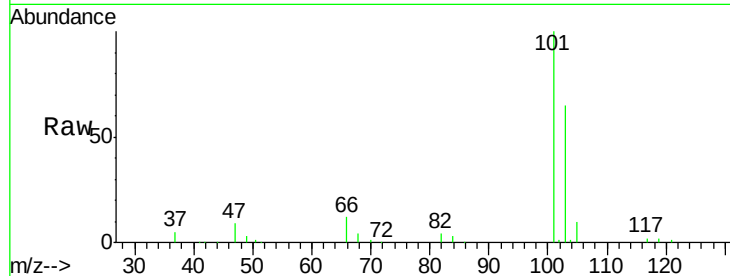
Trichlorofluoromethane  
Concen: 49.628 ug/l  
RT: 3.00 min Scan# 382  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.5  | 51.0  | 76.6  |

Manual Integrations  
APPROVED

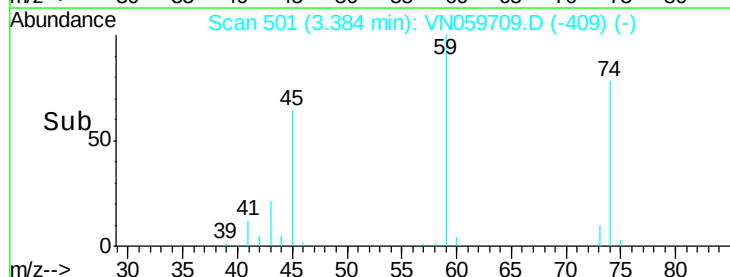
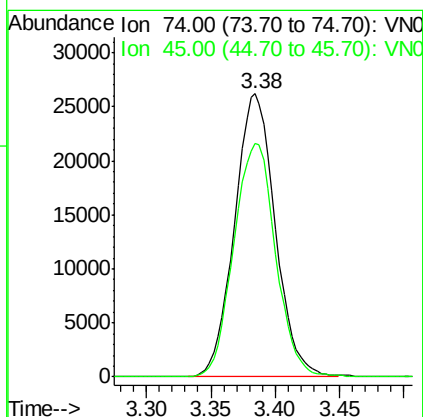
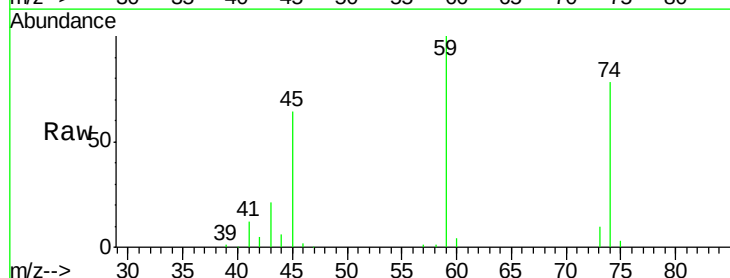
MMDadoda  
1/16/2020 10:56:45 AM



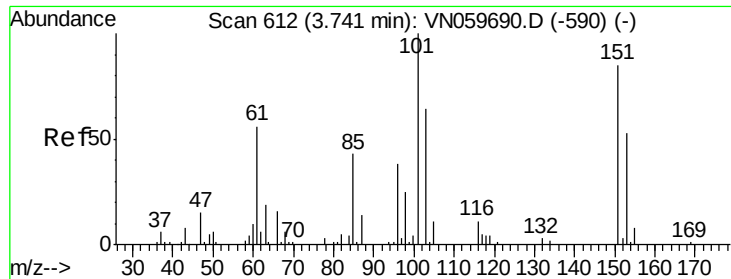
#8

Diethyl Ether  
Concen: 50.048 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 84.9  | 51.9  | 155.8 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.246 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

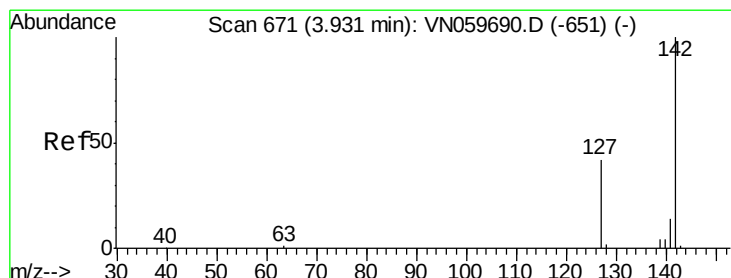
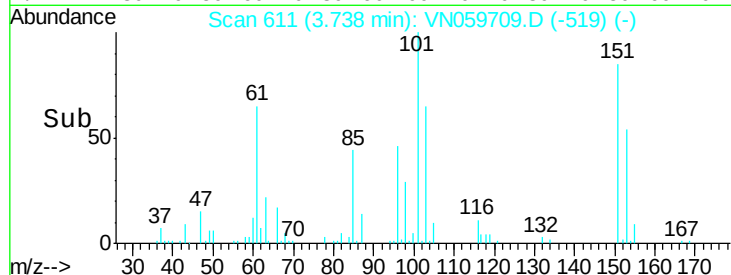
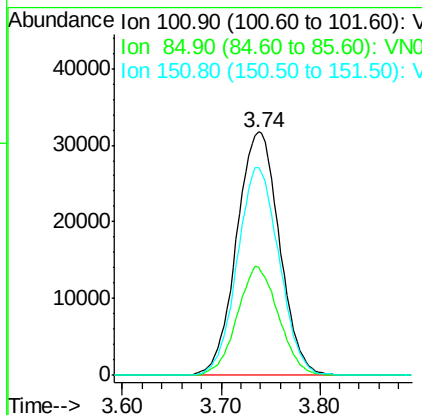
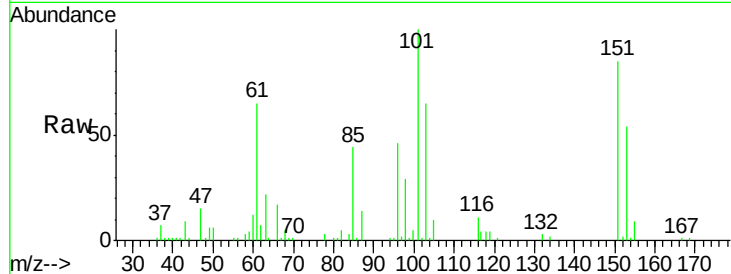
ClientSampleId :

VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 95131 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.0  | 36.6  | 54.8  |
| 151       | 83.5  | 59.7  | 89.5  |

Manual Integrations  
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MMDadoda  
1/16/2020 10:56:45 AM



#10

Methyl Iodide

Concen: 48.327 ug/l

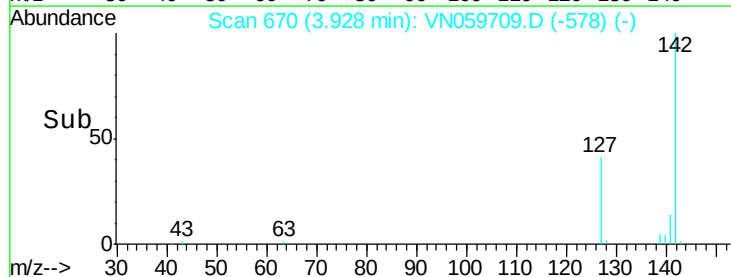
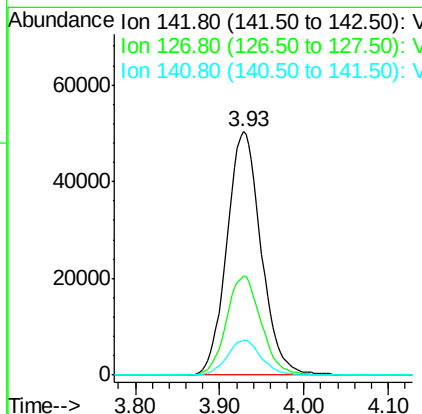
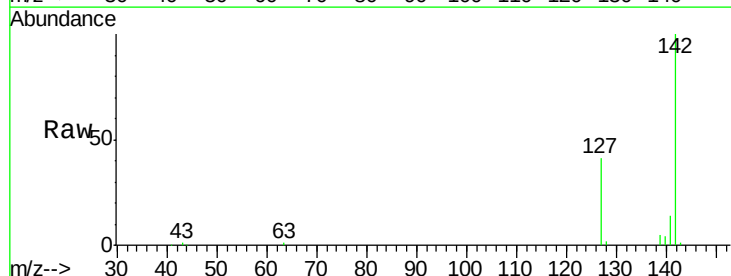
RT: 3.93 min Scan# 670

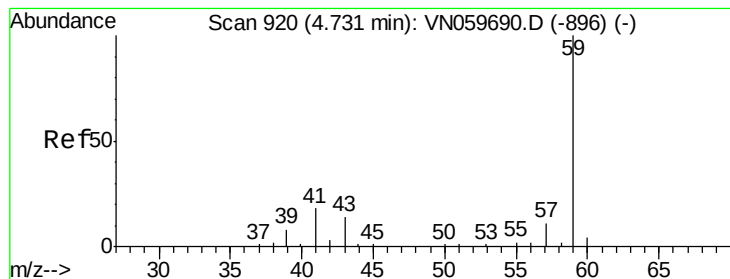
Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 142235 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.1  | 36.7  | 55.1   |
| 141       | 14.1  | 11.7  | 17.5   |





#11

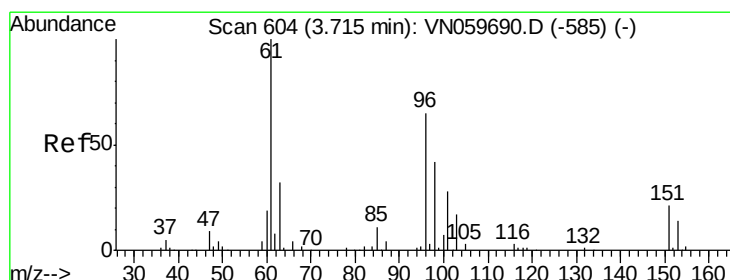
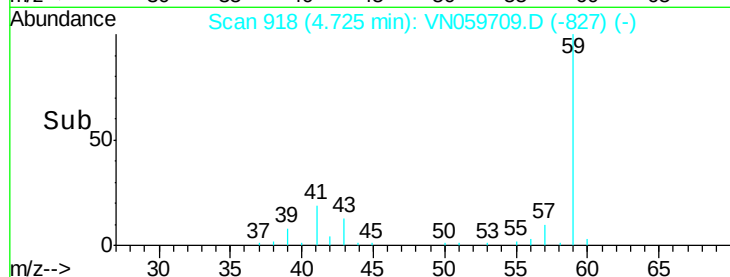
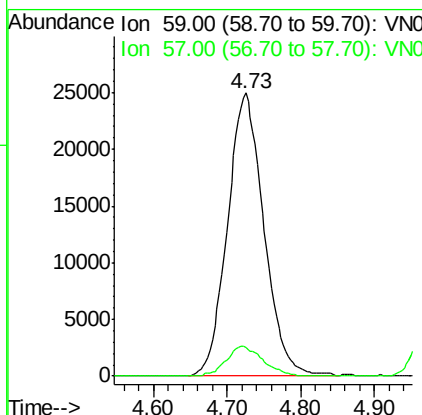
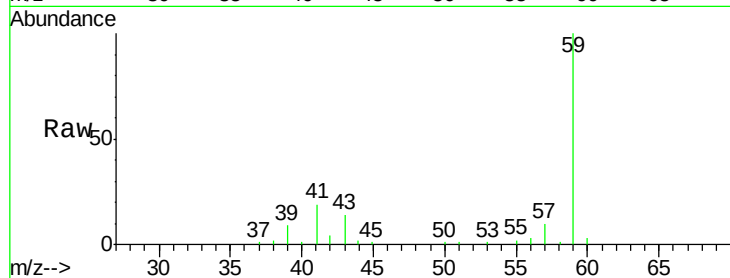
Tert butyl alcohol  
Concen: 220.805 ug/l  
RT: 4.73 min Scan# 918  
Delta R.T. -0.01 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.5  | 8.6   | 12.8  |

Manual Integrations  
APPROVED

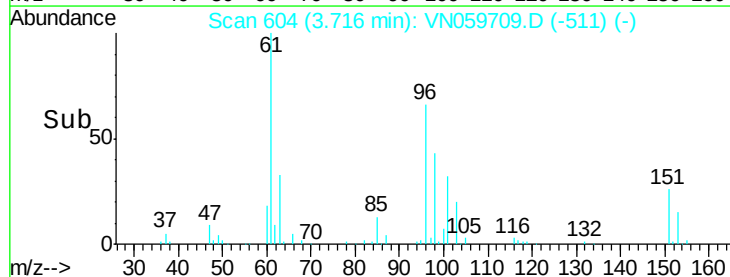
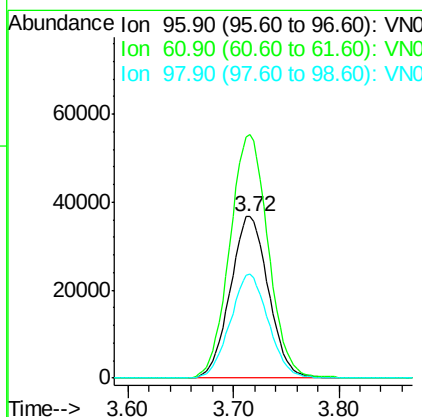
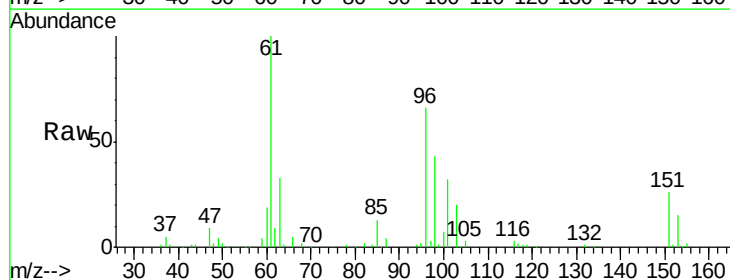
MMDadoda  
1/16/2020 10:56:45 AM

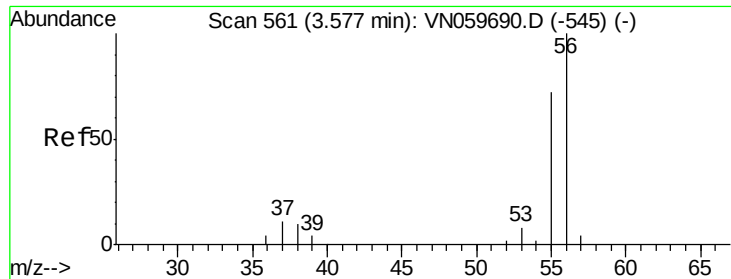


#12

1,1-Dichloroethene  
Concen: 48.564 ug/l  
RT: 3.72 min Scan# 604  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 151.0 | 137.5 | 206.3 |
| 98      | 64.3  | 50.2  | 75.4  |





#13

Acrolein

Concen: 179.980 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 49533

Ion Ratio Lower Upper

56 100

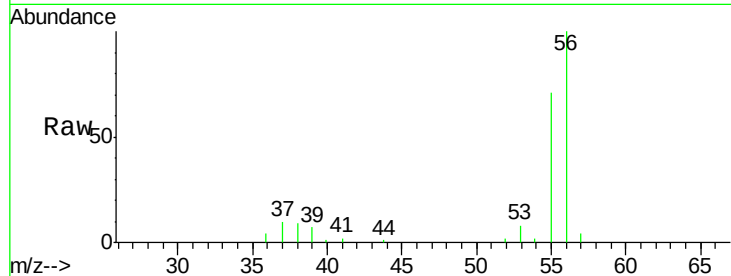
55 70.4 58.6 88.0

Manual Integrations

APPROVED

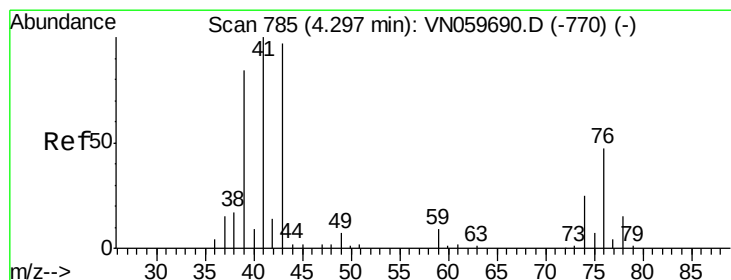
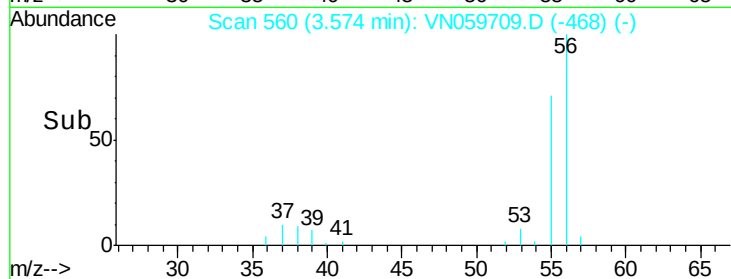
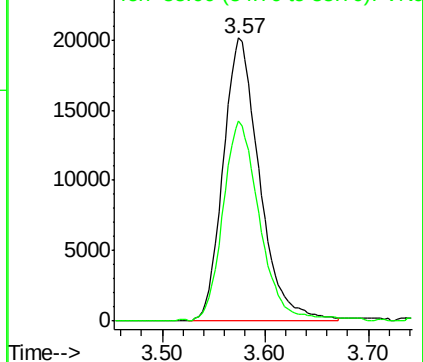
MMDadoda

1/16/2020 10:56:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.119 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

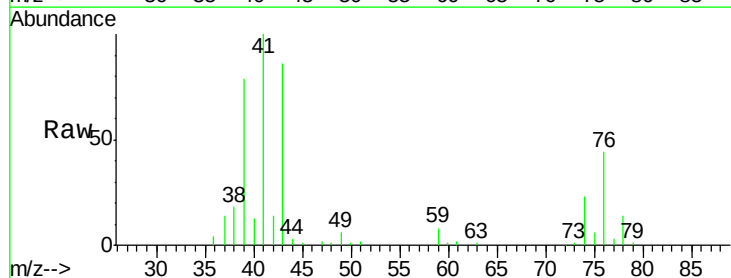
Tgt Ion: 41 Resp: 123403

Ion Ratio Lower Upper

41 100

39 78.5 57.8 86.8

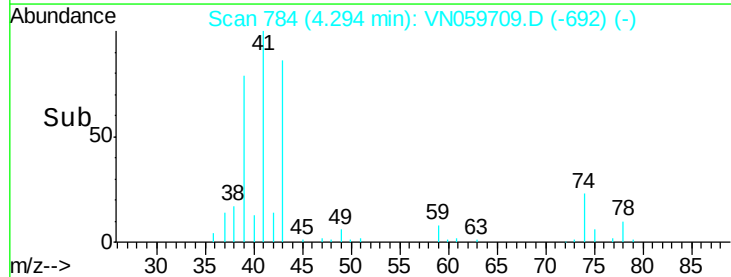
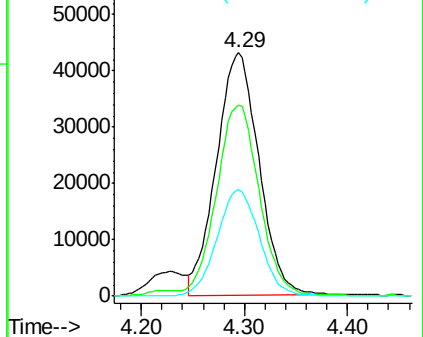
76 43.8 25.4 38.0#

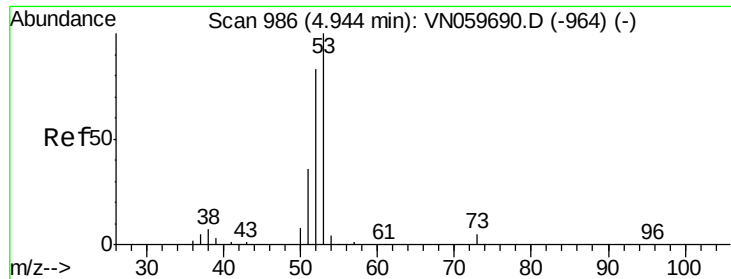


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 233.304 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

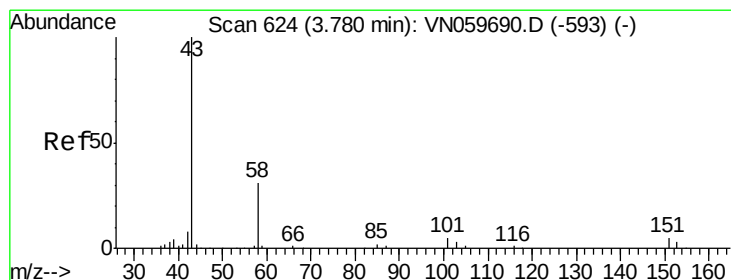
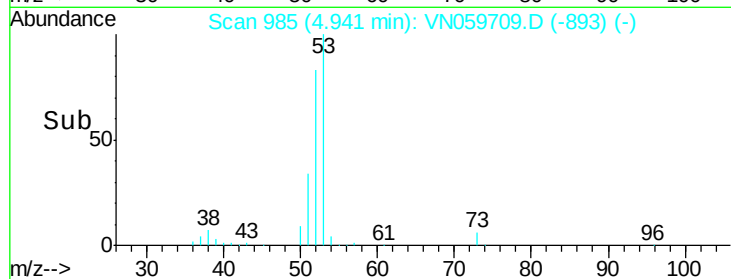
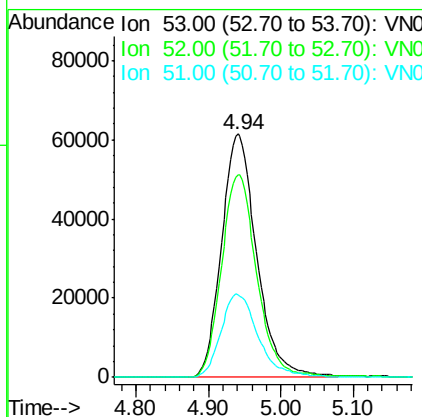
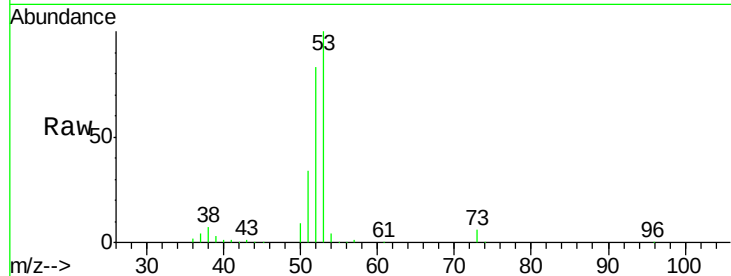
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 206907 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.7  | 66.3  | 99.5   |
| 51        | 36.1  | 29.7  | 44.5   |

Manual Integrations  
APPROVED

MMDadoda  
1/16/2020 10:56:45 AM



#16

Acetone

Concen: 262.088 ug/l

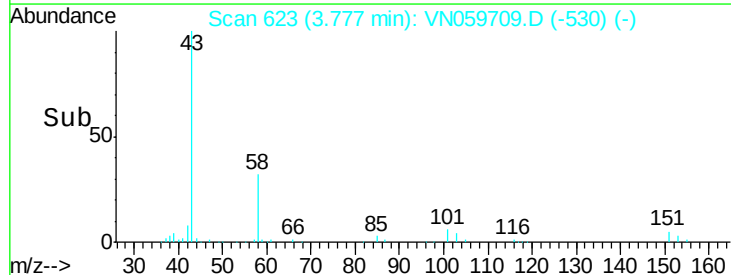
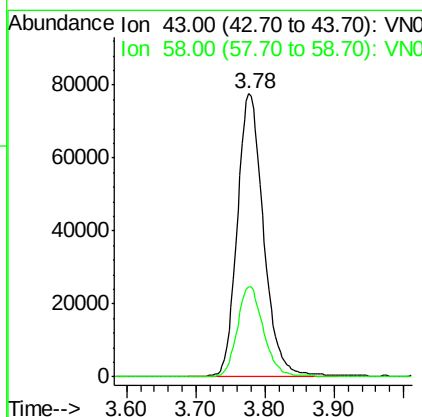
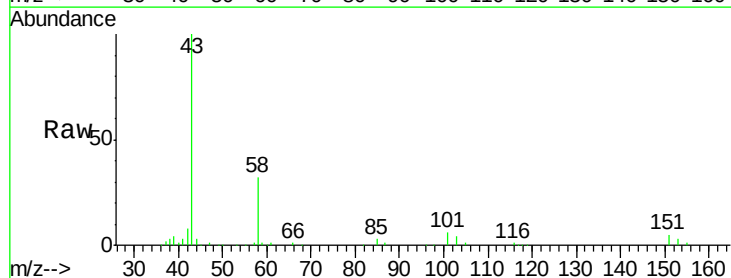
RT: 3.78 min Scan# 623

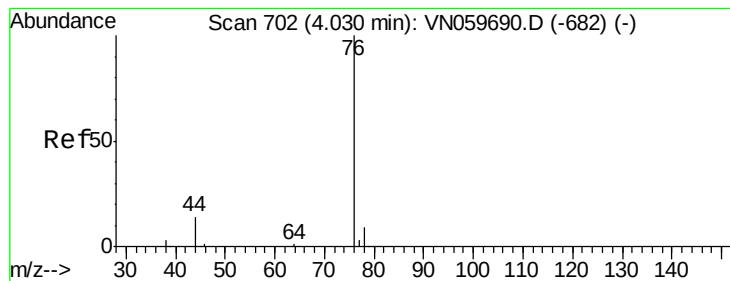
Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 206064 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 31.9  | 23.6  | 35.4   |





#17

Carbon Disulfide

Concen: 48.681 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 263853

Ion Ratio Lower Upper

76 100

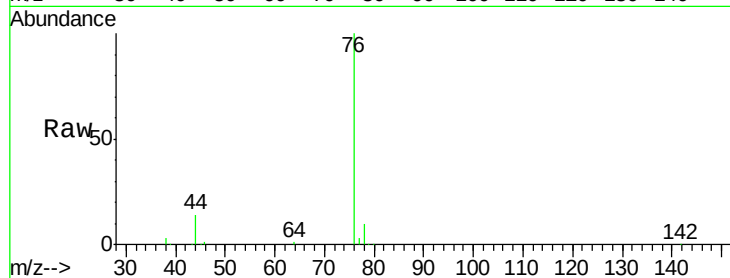
78 9.5 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

1/16/2020 10:56:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

100000

80000

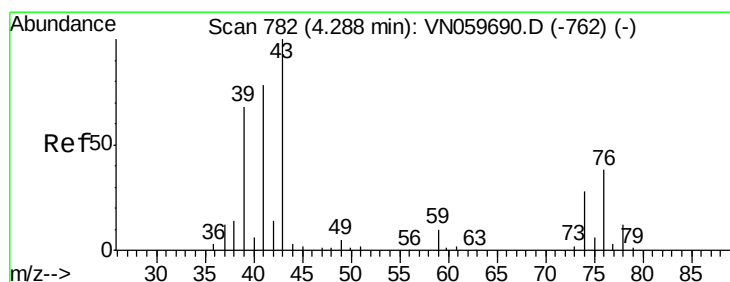
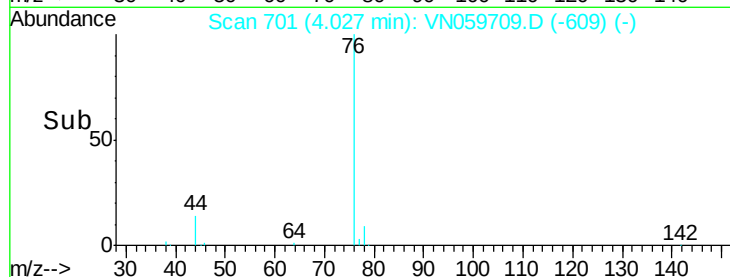
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.240 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN059709.D

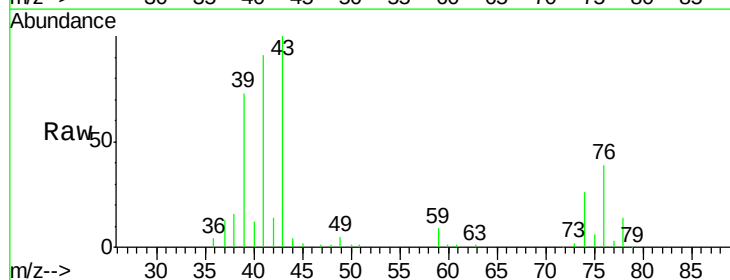
Acq: 15 Jan 2020 9:47

Tgt Ion: 43 Resp: 122040

Ion Ratio Lower Upper

43 100

74 26.5 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.28

50000

40000

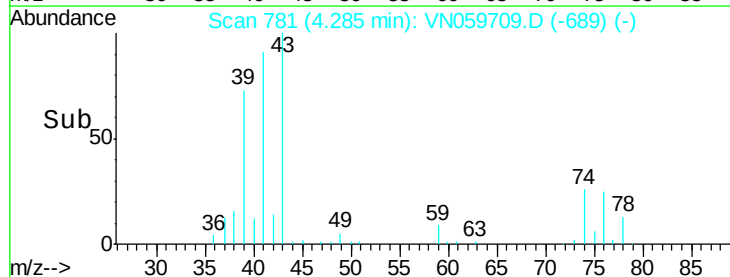
30000

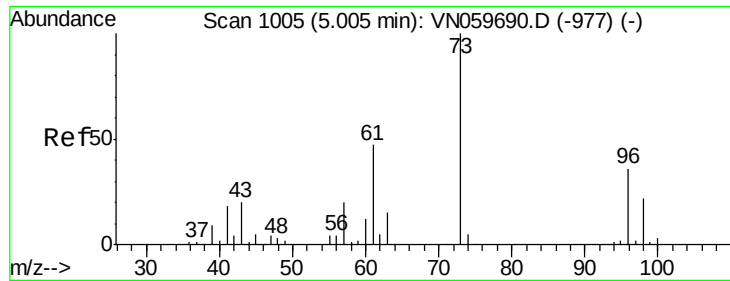
20000

10000

0

Time-->





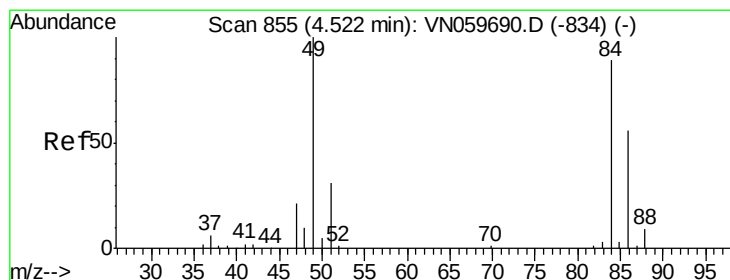
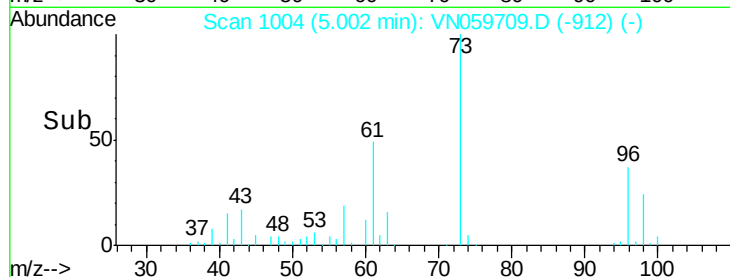
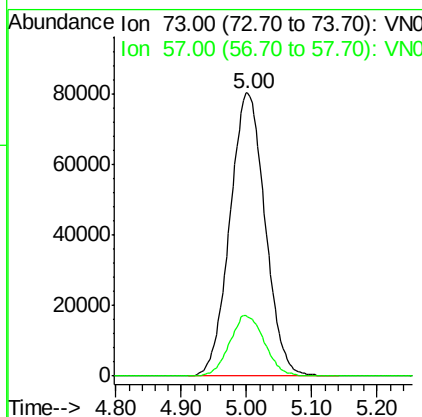
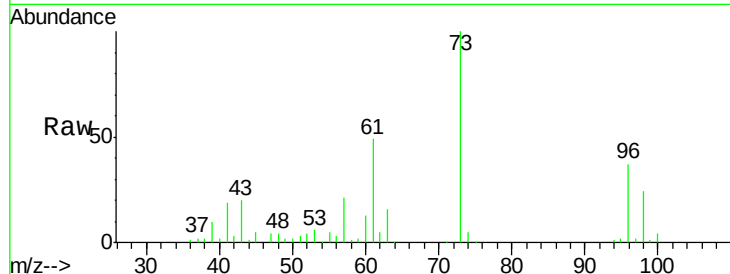
#19  
Methvl tert-butyl Ether  
Concen: 48.447 ug/l  
RT: 5.00 min Scan# 1004  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 300535  
Ion Ratio Lower Upper  
73 100  
57 21.1 18.6 27.8

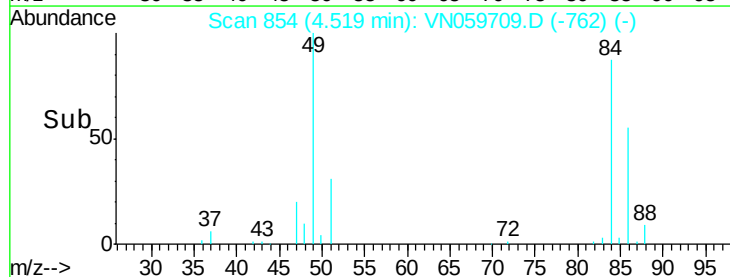
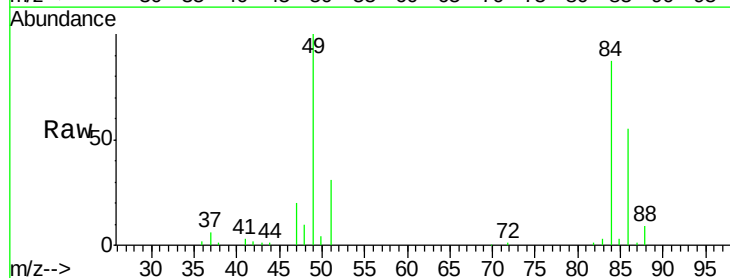
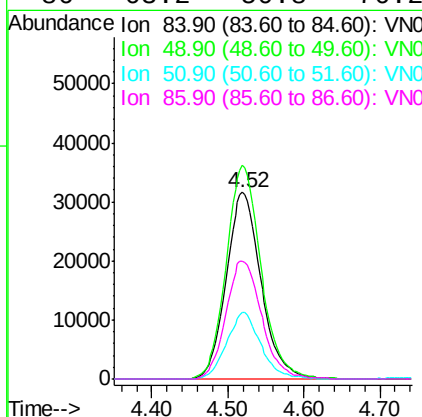
Manual Integrations  
APPROVED

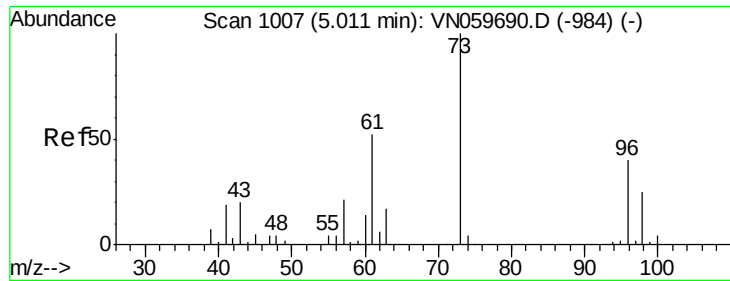
MMDadoda  
1/16/2020 10:56:45 AM



#20  
Methylene Chloride  
Concen: 48.109 ug/l  
RT: 4.52 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Tgt Ion: 84 Resp: 100624  
Ion Ratio Lower Upper  
84 100  
49 114.4 106.6 160.0  
51 35.4 31.9 47.9  
86 63.2 50.8 76.2





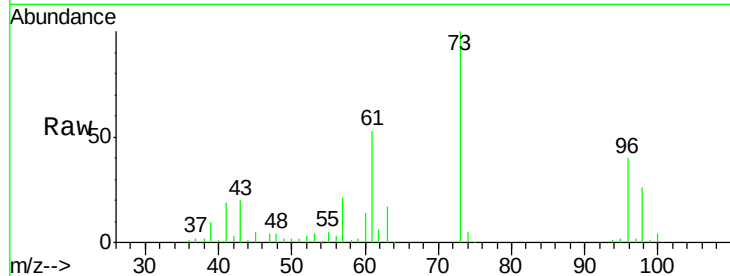
#21  
trans-1,2-Dichloroethene  
Concen: 49.424 ug/l  
RT: 5.01 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.8 | 120.4 | 180.6 |
| 98      | 65.1  | 50.6  | 75.8  |

Manual Integrations  
APPROVED

MMDadoda  
1/16/2020 10:56:45 AM

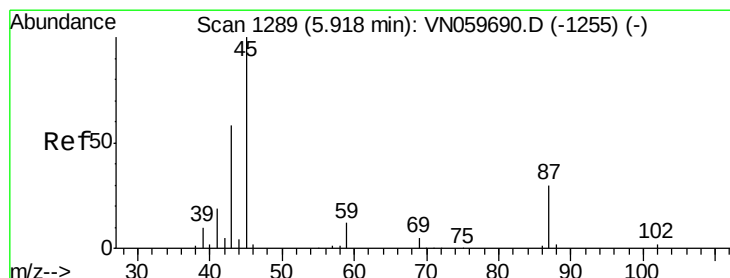
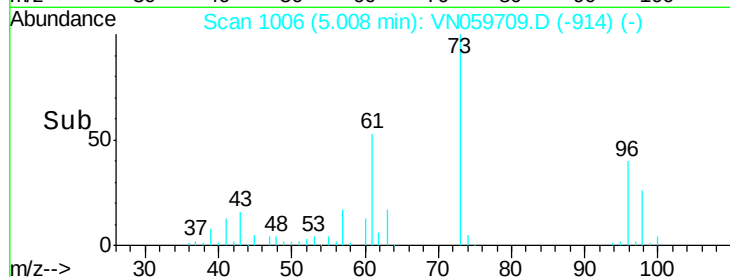
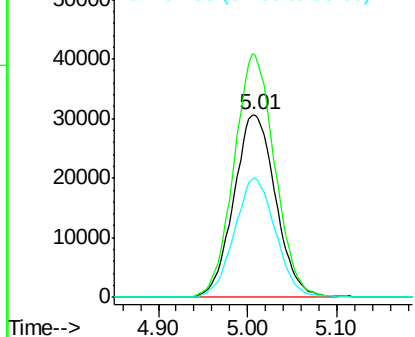


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22  
Diisopropyl ether  
Concen: 48.902 ug/l  
RT: 5.91 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 62.4  | 50.8  | 76.2  |
| 87      | 32.0  | 21.0  | 31.6  |
| 59      | 13.4  | 9.1   | 13.7  |

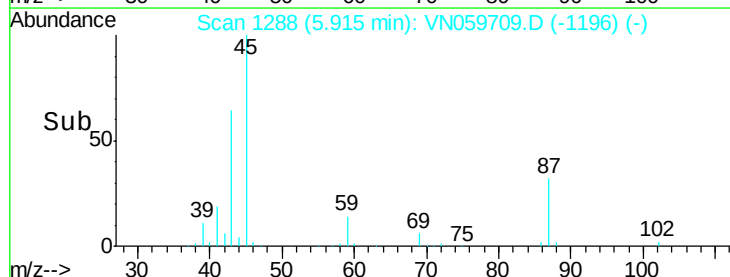
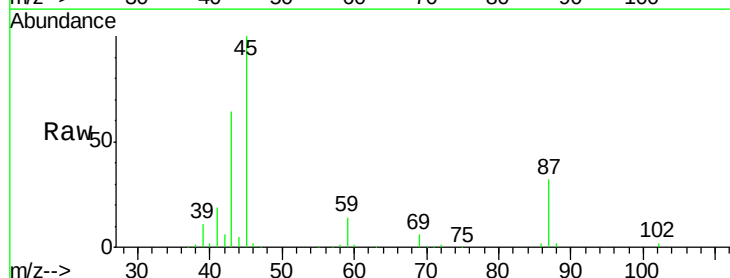
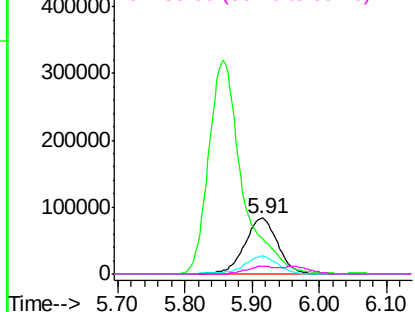
Abundance

Ion 45.00 (44.70 to 45.70): VN0

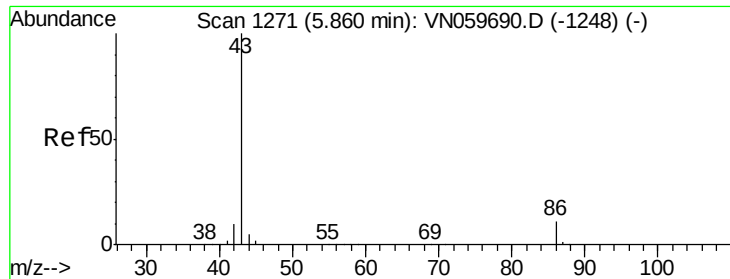
Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0







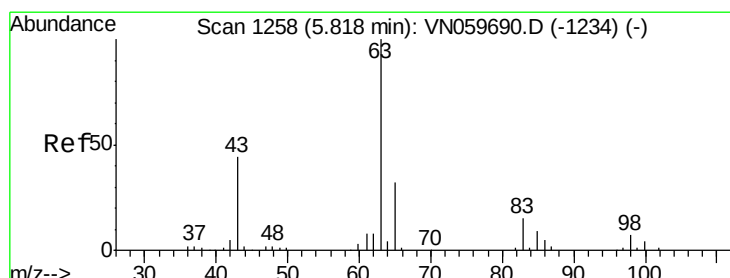
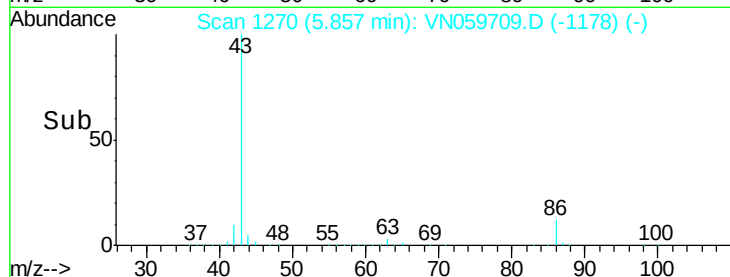
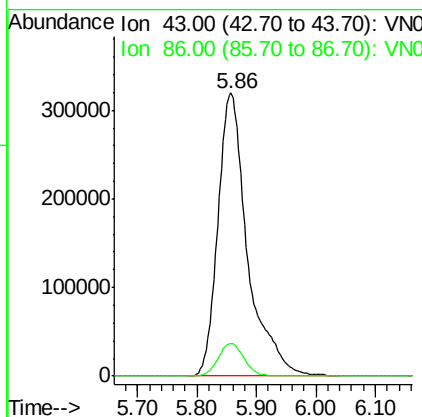
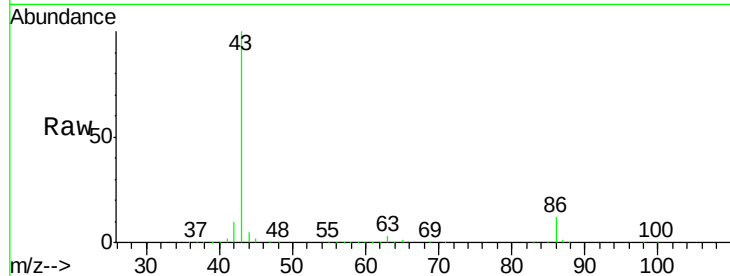
#23  
 Vinyl Acetate  
 Concen: 245.901 ug/l  
 RT: 5.86 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 1106469  
 Ion Ratio Lower Upper  
 43 100  
 86 11.7 7.6 11.4#

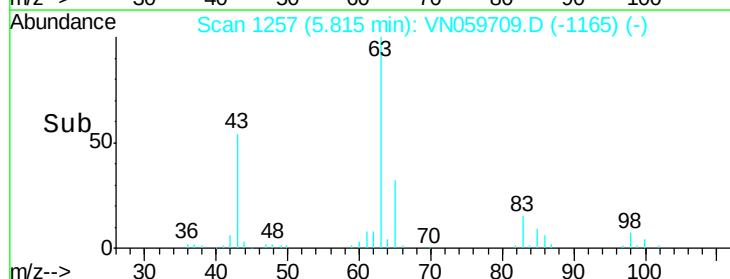
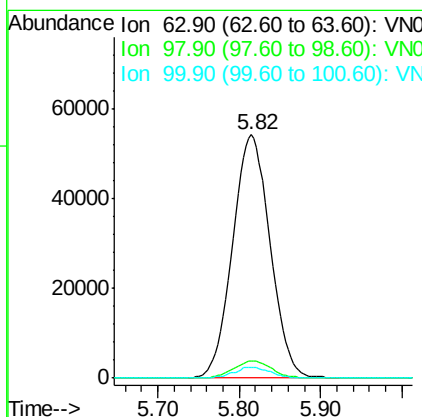
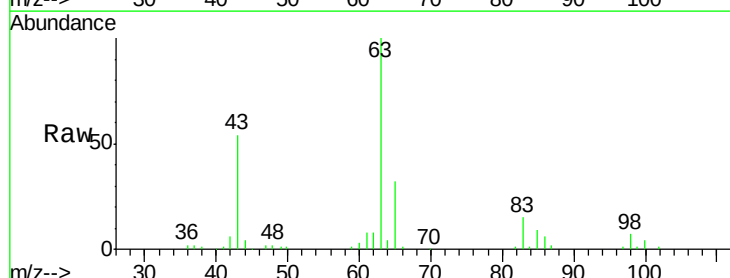
Manual Integrations  
 APPROVED

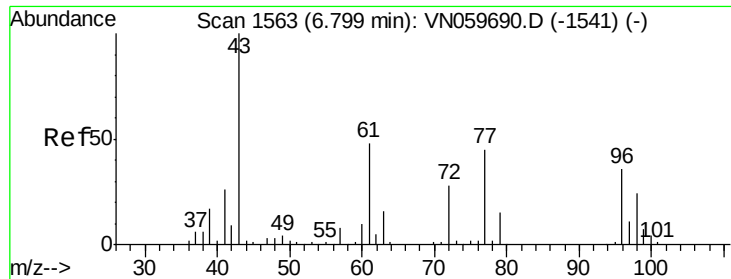
MMDadoda  
 1/16/2020 10:56:45 AM



#24  
 1,1-Dichloroethane  
 Concen: 48.631 ug/l  
 RT: 5.82 min Scan# 1257  
 Delta R.T. -0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Tgt Ion: 63 Resp: 172692  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 2.9 8.7  
 100 4.5 2.0 6.0





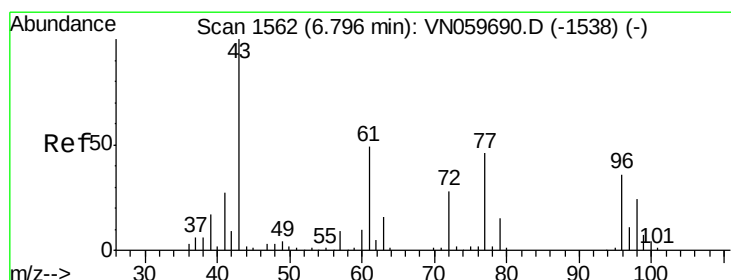
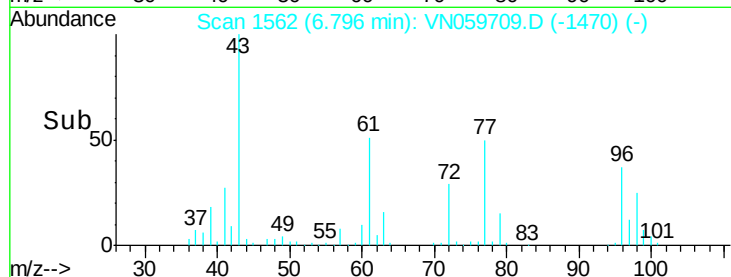
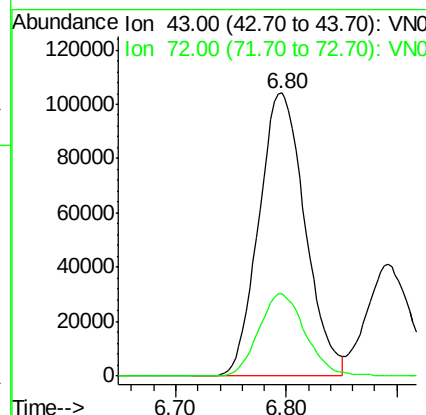
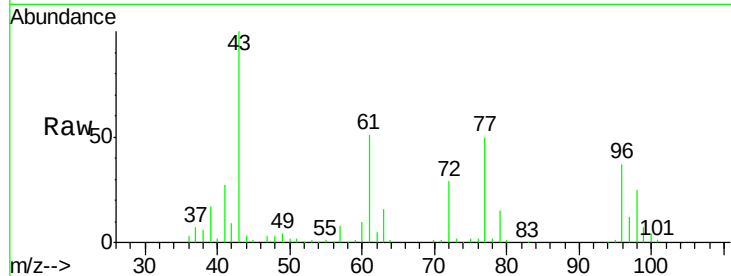
#25  
2-Butanone  
Concen: 231.610 ug/l  
RT: 6.80 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 29.1  | 19.9  | 29.9  |

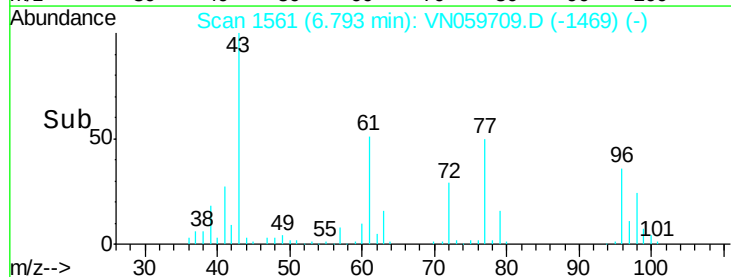
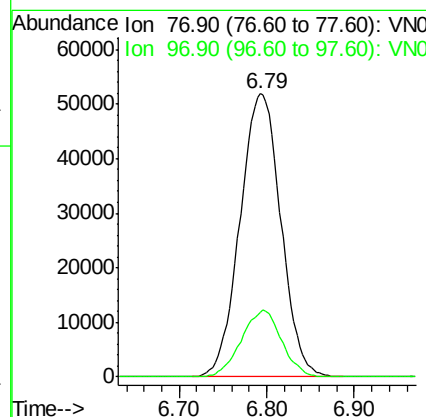
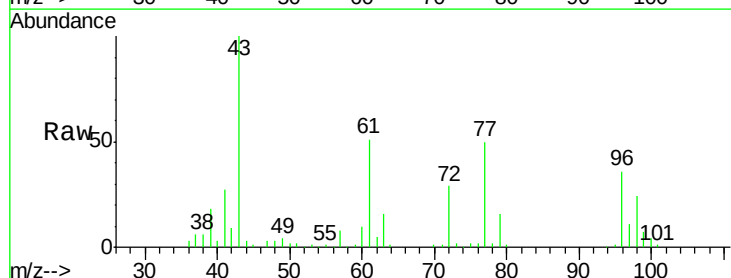
Manual Integrations  
APPROVED

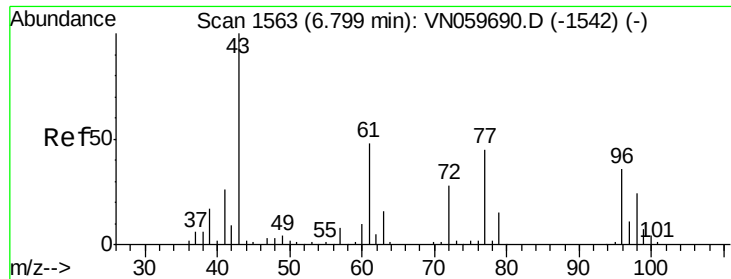
MMDadoda  
1/16/2020 10:56:45 AM



#26  
2,2-Dichloropropane  
Concen: 49.139 ug/l  
RT: 6.79 min Scan# 1561  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 23.2  | 10.7  | 31.9  |





#27

cis-1,2-Dichloroethene

Concen: 49.098 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

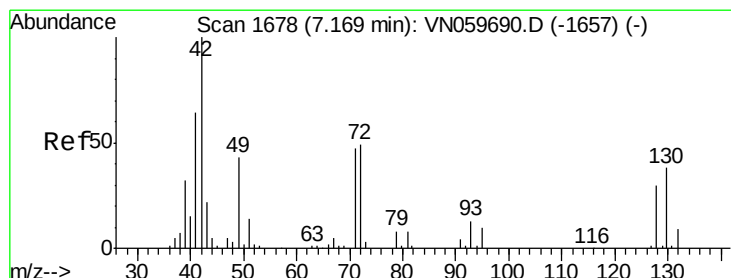
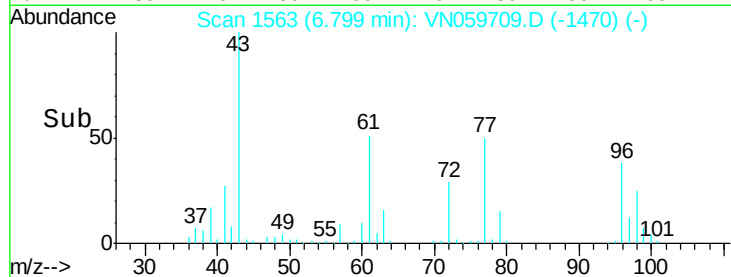
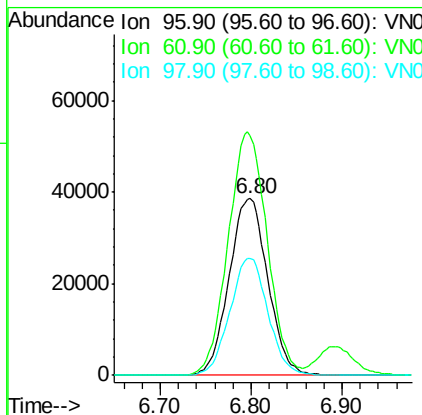
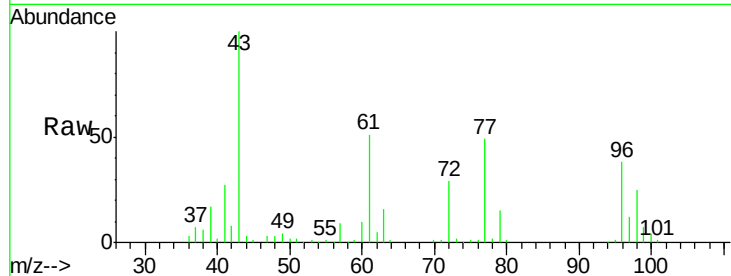
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 114212 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 138.3 | 0.0   | 317.6  |
| 98        | 65.2  | 0.0   | 127.0  |

Manual Integrations  
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1/16/2020 10:56:45 AM



#28

Bromochloromethane

Concen: 45.569 ug/l

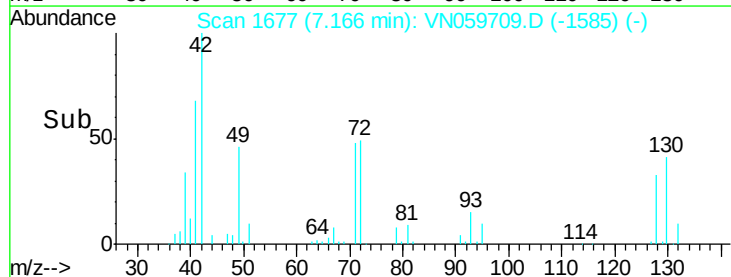
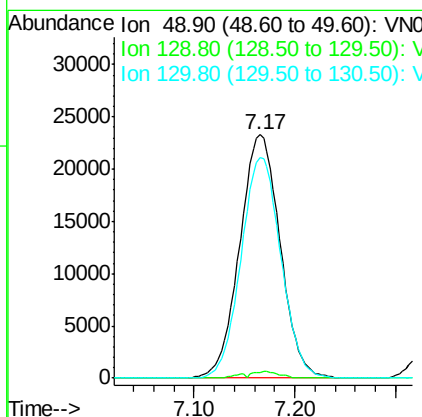
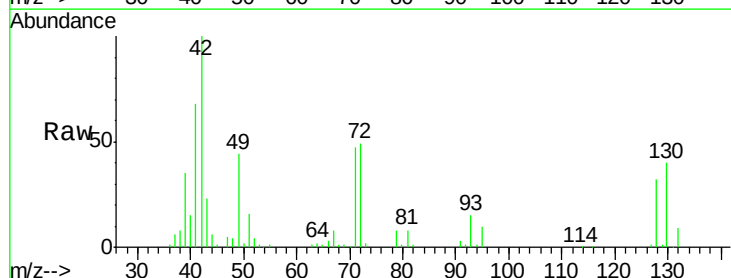
RT: 7.17 min Scan# 1677

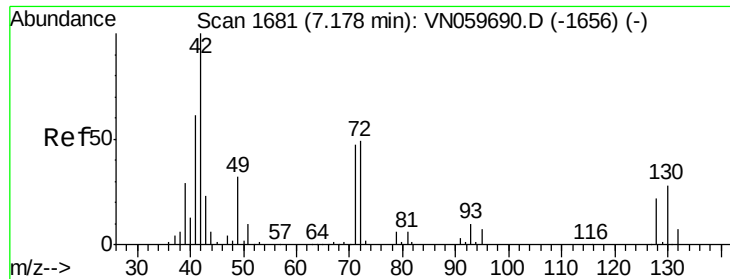
Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 49    | Resp: | 64676 |
| Ion Ratio | Lower | Upper |       |
| 49        | 100   |       |       |
| 129       | 1.7   | 0.0   | 3.4   |
| 130       | 89.5  | 54.7  | 82.1# |





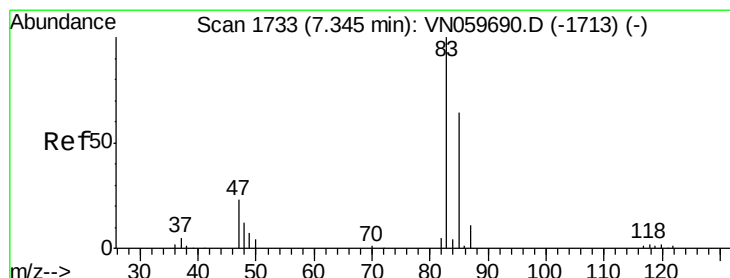
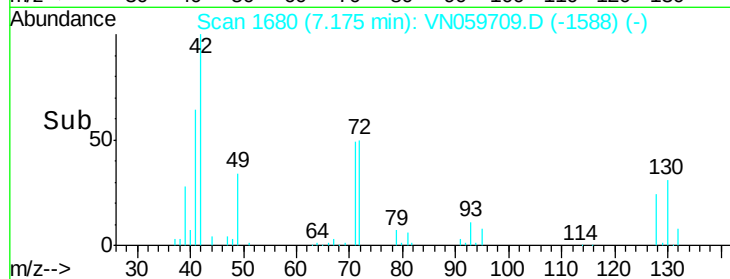
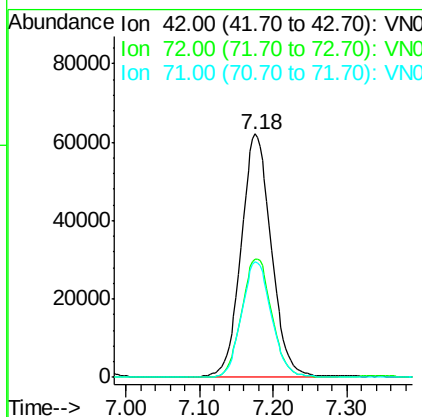
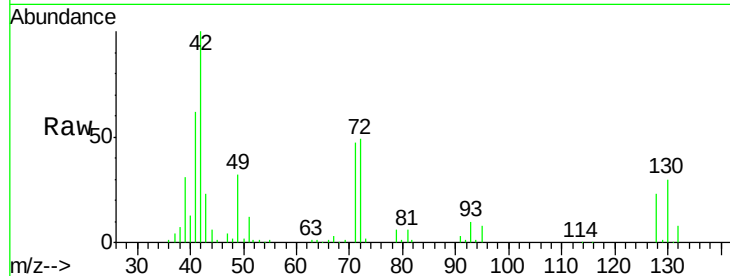
#29  
Tetrahydrofuran  
Concen: 219.466 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.6  | 33.1  | 49.7  |
| 71      | 46.9  | 31.4  | 47.0  |

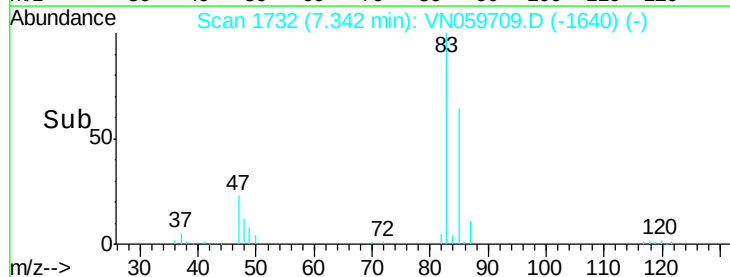
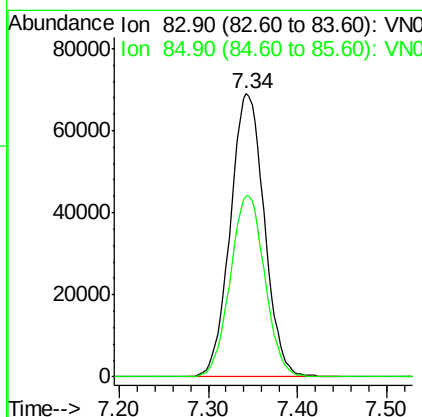
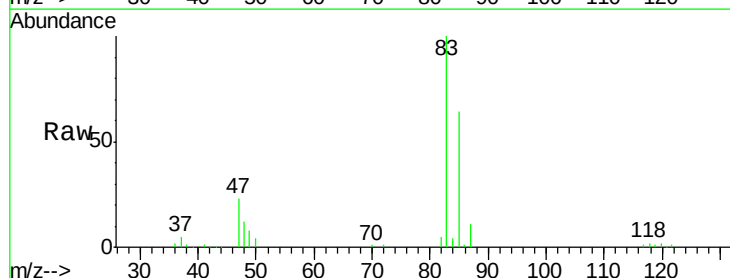
Manual Integrations  
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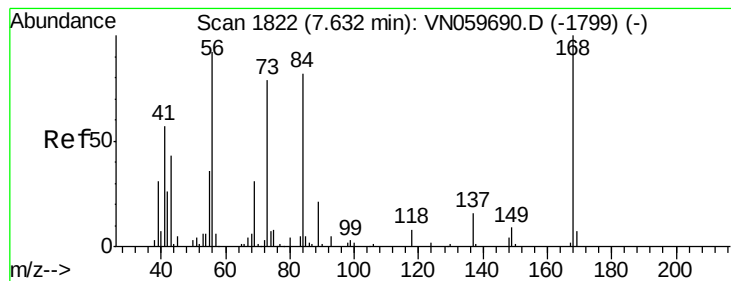
MMDadoda  
1/16/2020 10:56:45 AM



#30  
Chloroform  
Concen: 49.615 ug/l  
RT: 7.34 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.0  | 52.4  | 78.6  |





#31

Cyclohexane

Concen: 46.554 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 159077

Ion Ratio Lower Upper

56 100

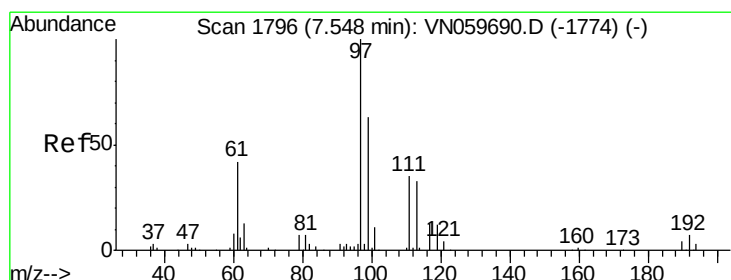
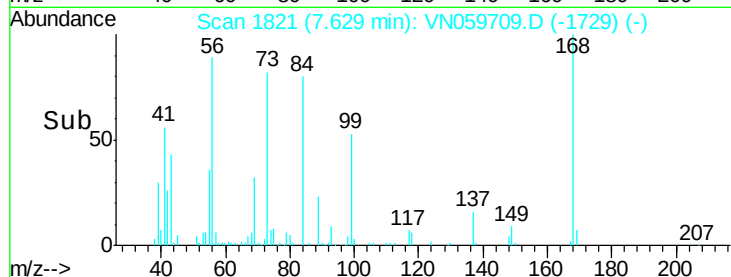
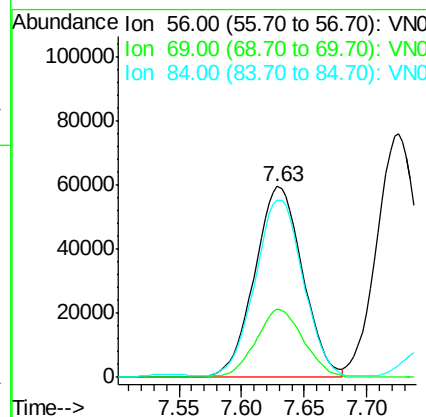
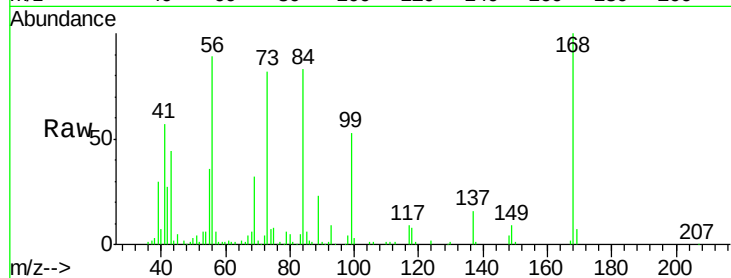
69 35.5 26.5 39.7

84 92.1 65.3 97.9

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#32

1,1,1-Trichloroethane

Concen: 49.406 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

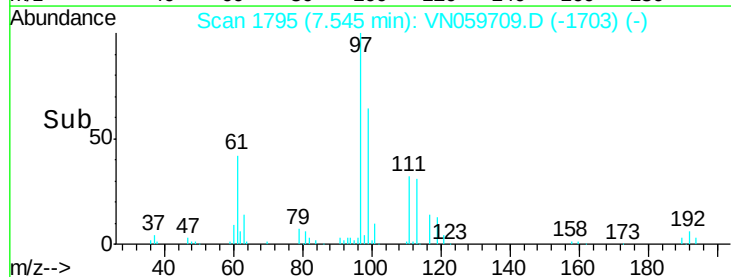
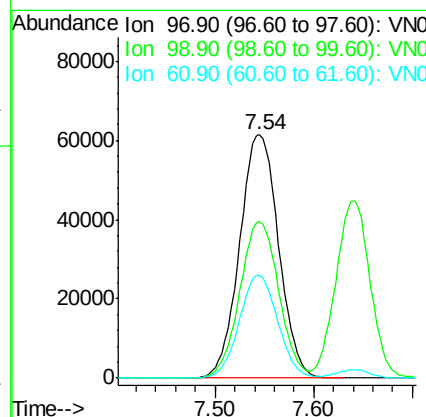
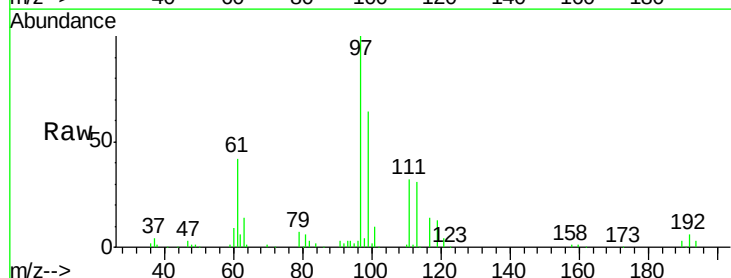
Tgt Ion: 97 Resp: 168077

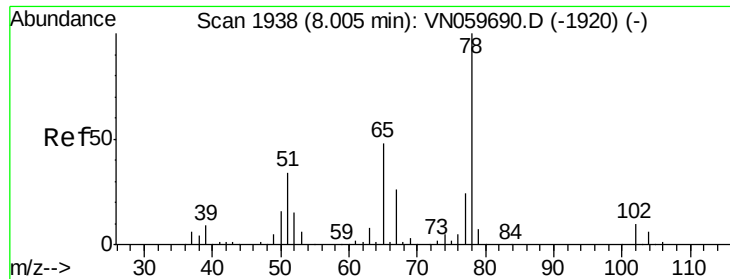
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 41.8 38.5 57.7





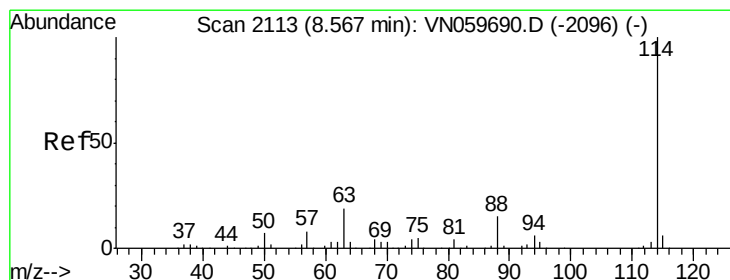
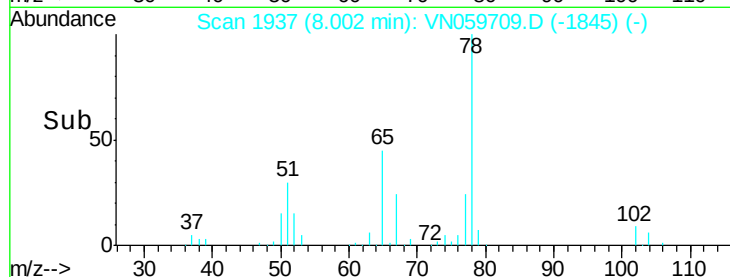
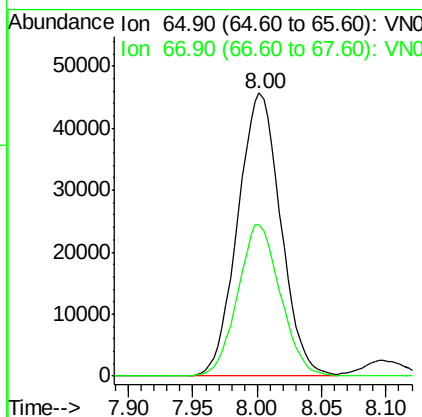
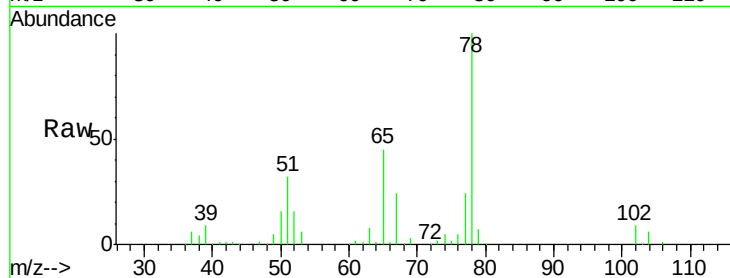
#33  
 1,2-Dichloroethane-d4  
 Concen: 45.907 ug/l  
 RT: 8.00 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 53.2  | 0.0  | 103.0 |       |

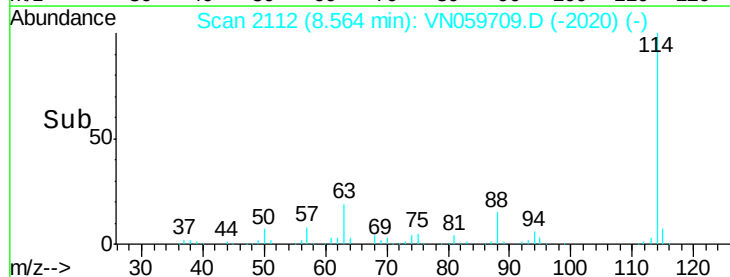
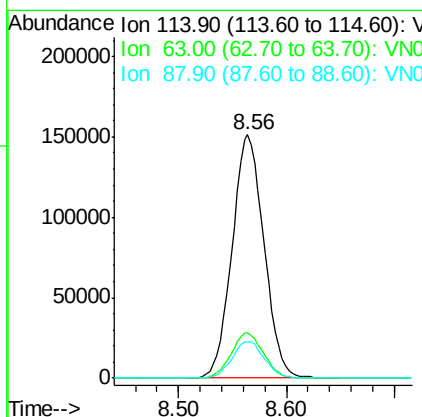
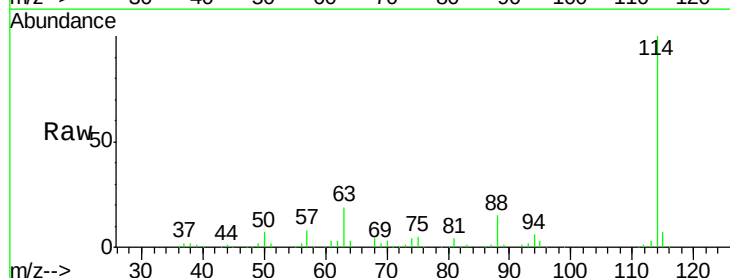
Manual Integrations  
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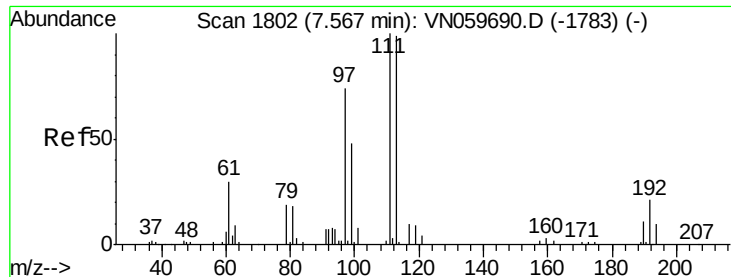
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 18.7  | 0.0  | 43.6  |       |
| 88      | 15.1  | 0.0  | 31.4  |       |





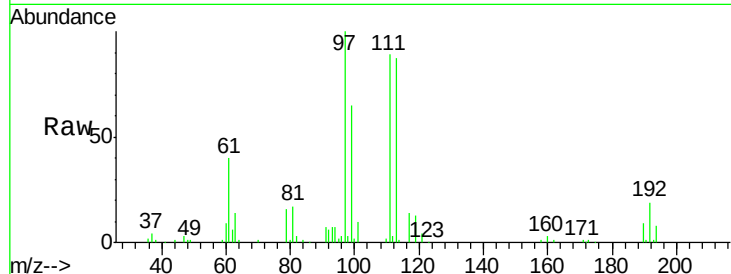
#35  
 Dibromofluoromethane  
 Concen: 49.547 ug/l  
 RT: 7.56 min Scan# 1800  
 Delta R.T. -0.01 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 92026 |       |       |
| 111     | 102.5 |       | 83.5  | 125.3 |
| 192     | 21.2  |       | 15.4  | 23.2  |

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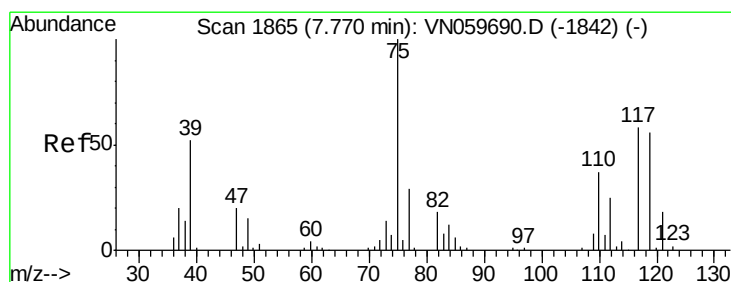
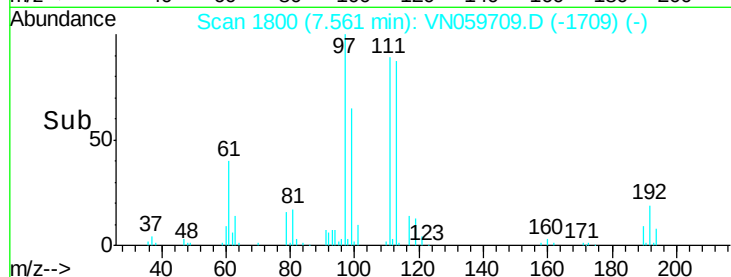
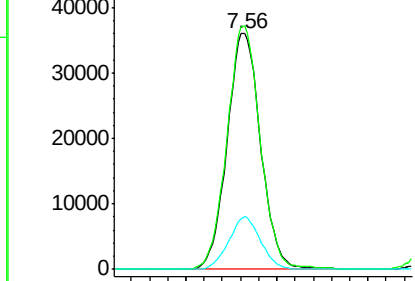


Abundance

Ion 112.80 (112.50 to 113.50): V

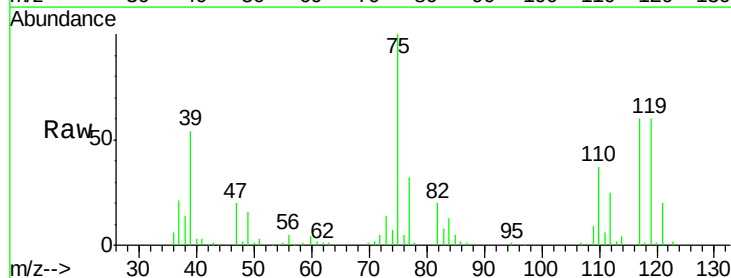
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 51.817 ug/l  
 RT: 7.77 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 140540 |       |       |
| 110     | 37.1  |        | 16.6  | 49.7  |
| 77      | 31.1  |        | 25.1  | 37.7  |

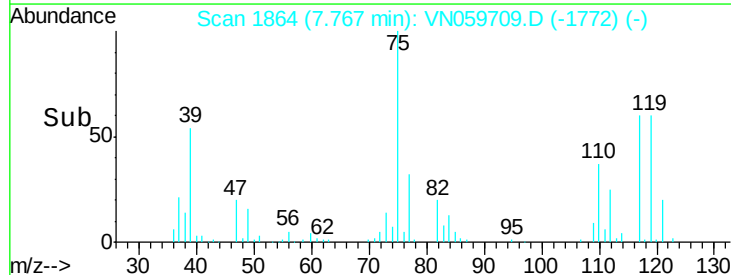
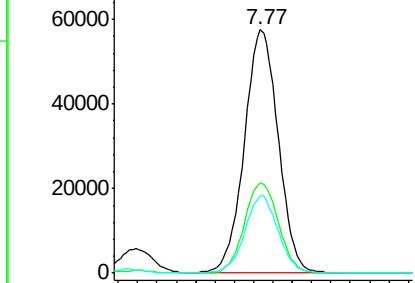


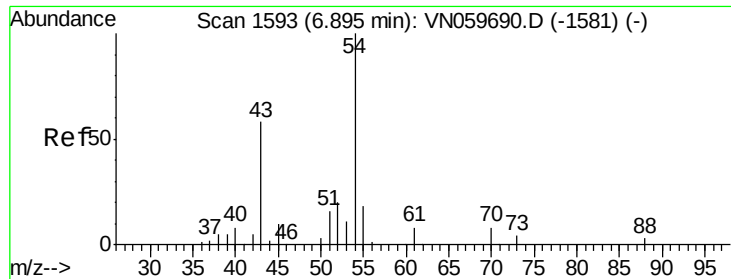
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





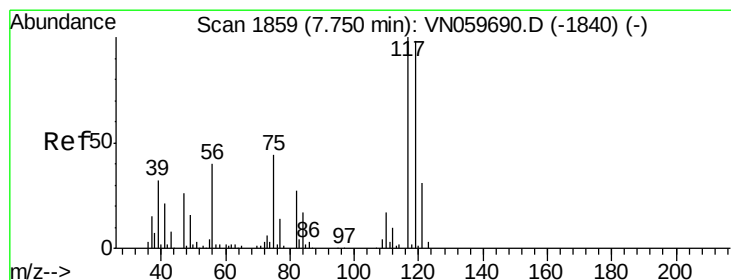
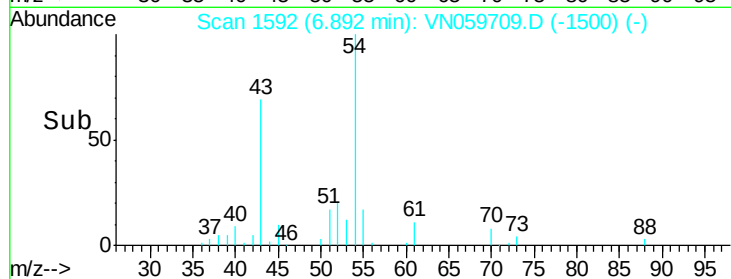
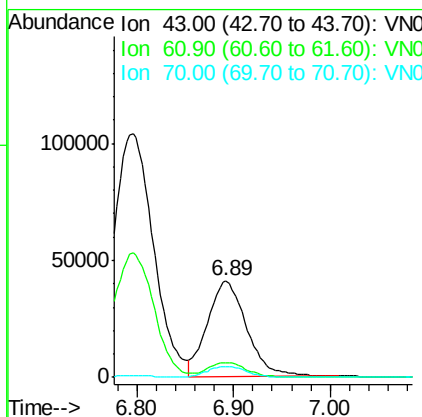
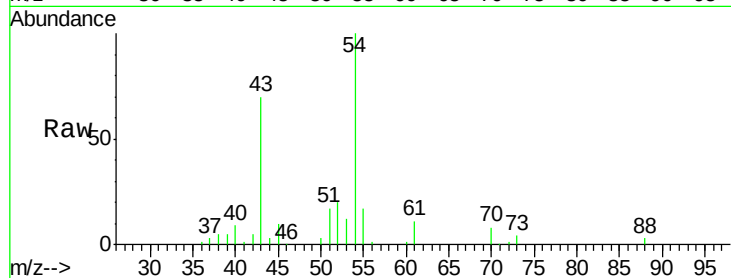
#37  
Ethyl Acetate  
Concen: 45.429 ug/l  
RT: 6.89 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.5  | 10.9  | 16.3  |
| 70      | 11.3  | 7.7   | 11.5  |

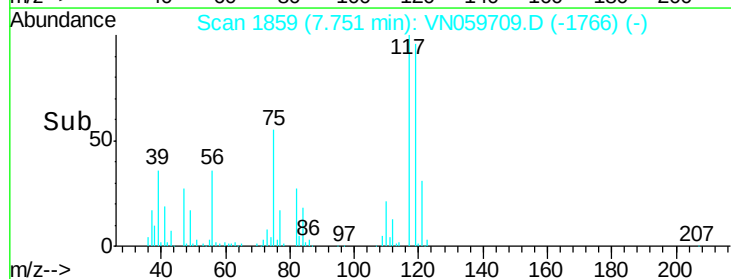
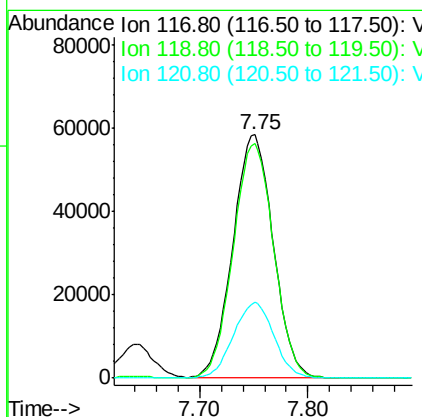
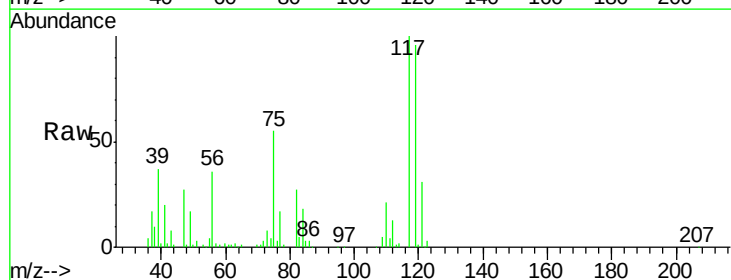
Manual Integrations  
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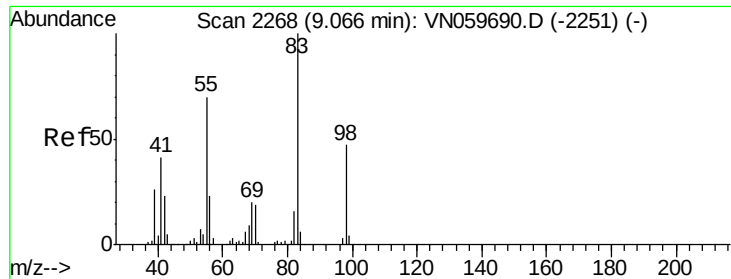


#38  
Carbon Tetrachloride  
Concen: 51.587 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.1  | 76.5  | 114.7 |
| 121     | 31.2  | 25.1  | 37.7  |







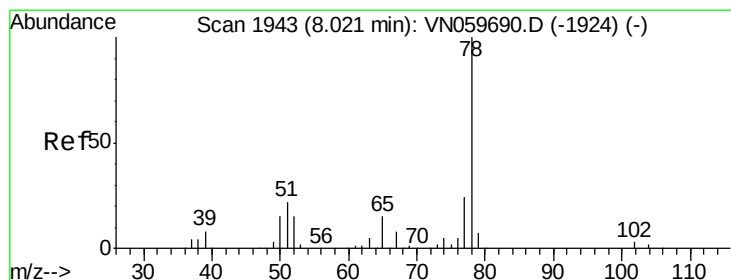
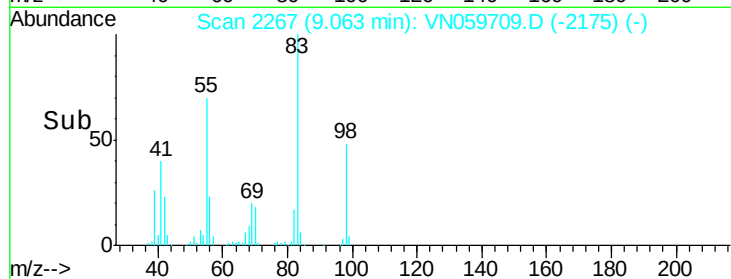
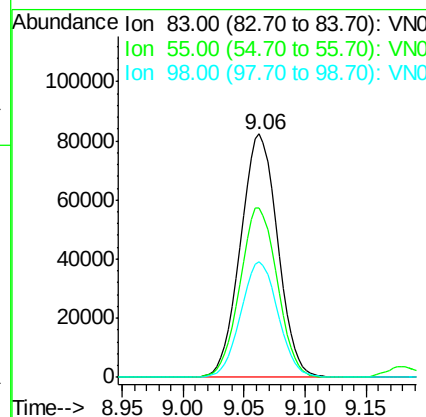
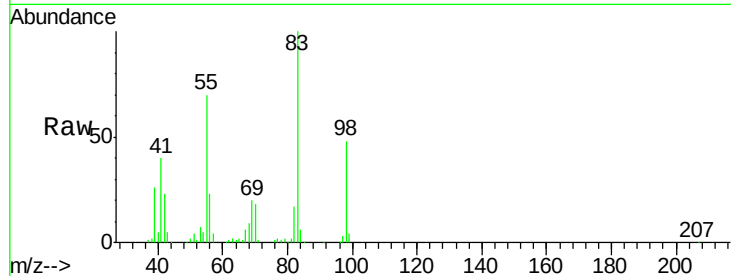
#39  
Methylvlcyclohexane  
Concen: 52.038 ug/l  
RT: 9.06 min Scan# 2267  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 69.8  | 64.2  | 96.2  |
| 98      | 47.7  | 35.9  | 53.9  |

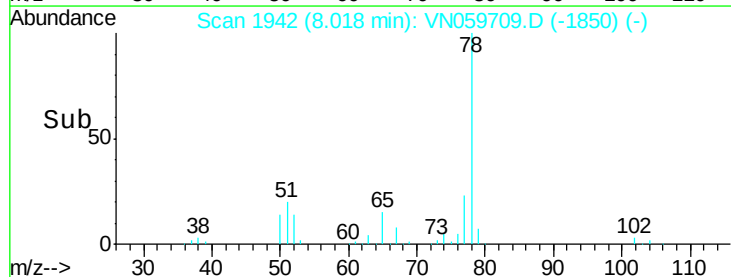
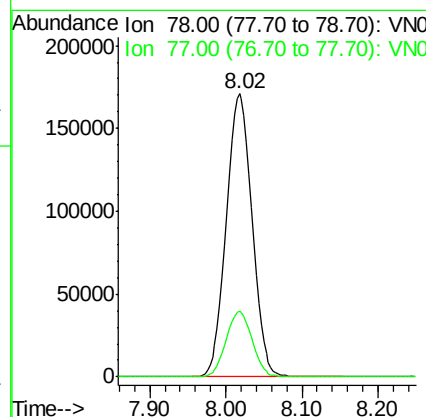
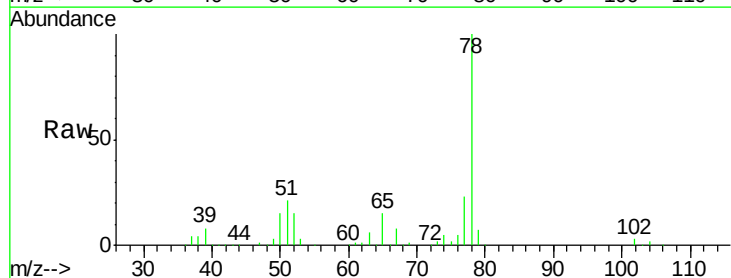
Manual Integrations  
APPROVED

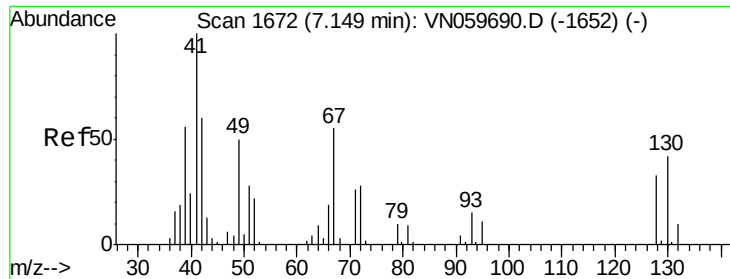
MMDadoda  
1/16/2020 10:56:45 AM



#40  
Benzene  
Concen: 50.063 ug/l  
RT: 8.02 min Scan# 1942  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.1  | 18.9  | 28.3  |





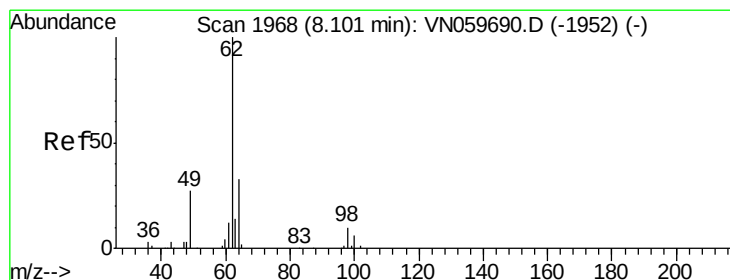
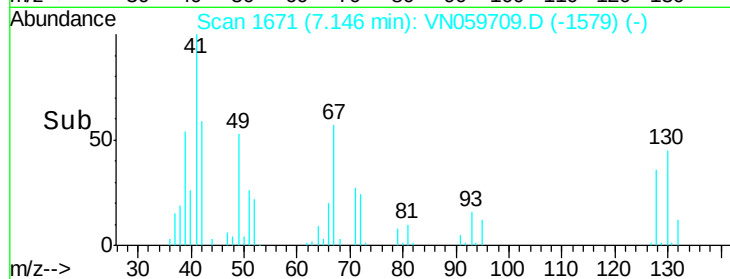
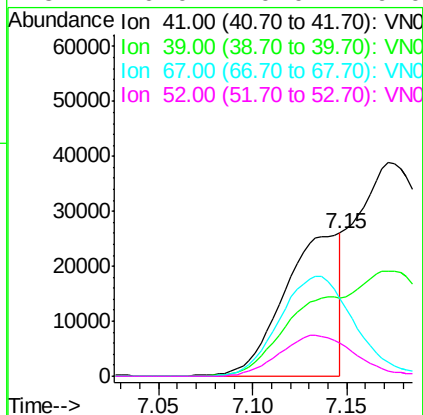
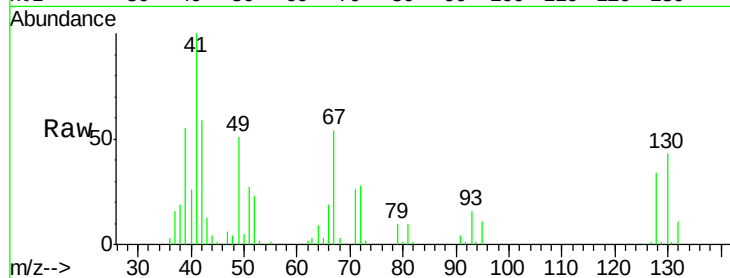
#41  
Methacrylonitrile  
Concen: 43.106 ug/l m  
RT: 7.15 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 41      | 100   |      |       |       |
| 39      | 161.4 | 0.0  | 0.0   | #     |
| 67      | 0.0   | 0.0  | 0.0   |       |
| 52      | 0.0   | 0.0  | 0.0   |       |

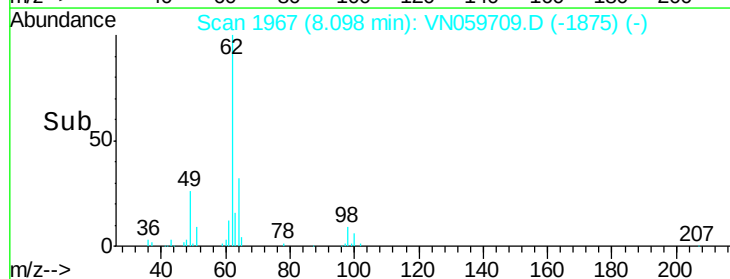
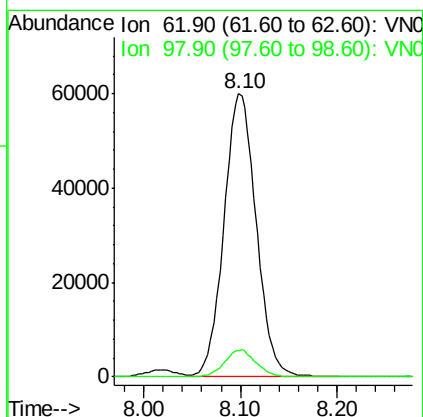
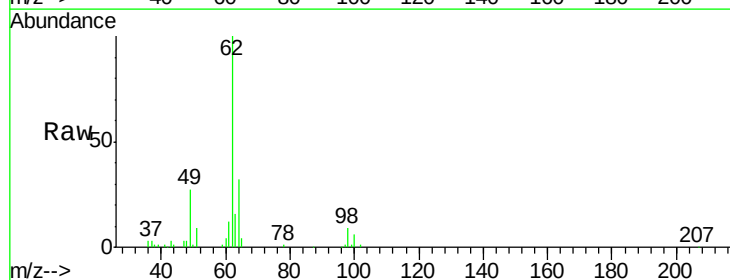
Manual Integrations  
APPROVED

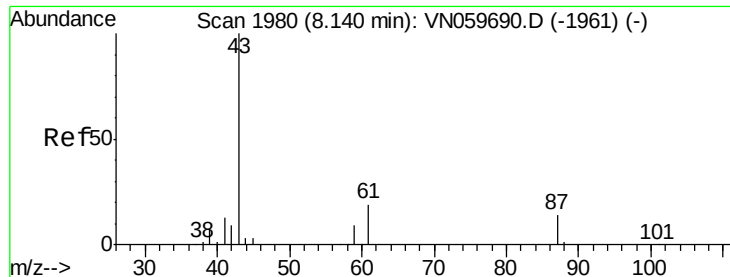
MMDadoda  
1/16/2020 10:56:45 AM



#42  
1,2-Dichloroethane  
Concen: 50.671 ug/l  
RT: 8.10 min Scan# 1967  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 62      | 100   |      |       |       |
| 98      | 9.2   | 0.0  | 15.8  |       |





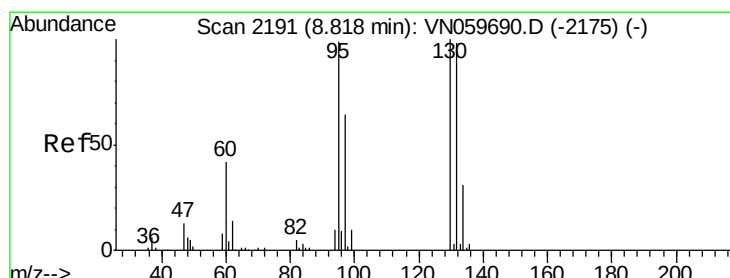
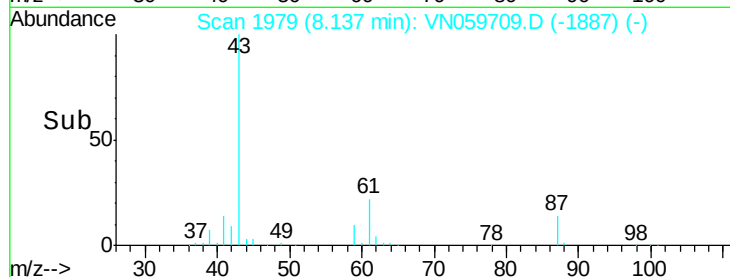
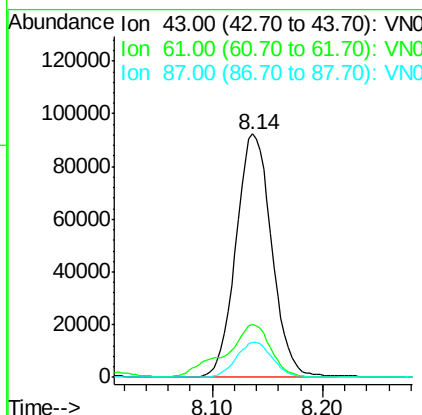
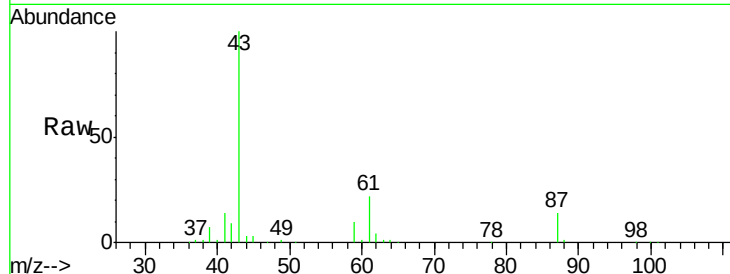
#43  
Isopropyl Acetate  
Concen: 47.160 ug/l  
RT: 8.14 min Scan# 1979  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 27.9  | 20.2  | 30.2  |
| 87      | 14.5  | 9.5   | 14.3  |

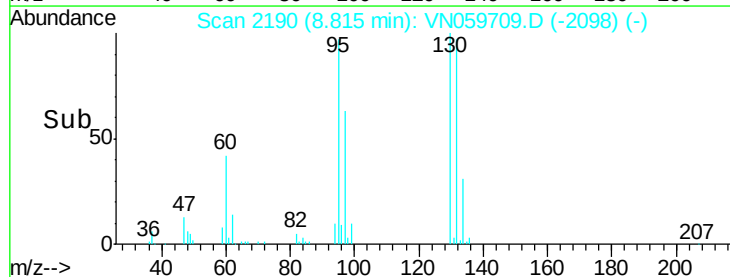
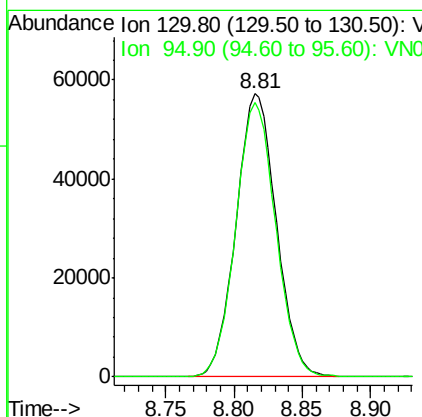
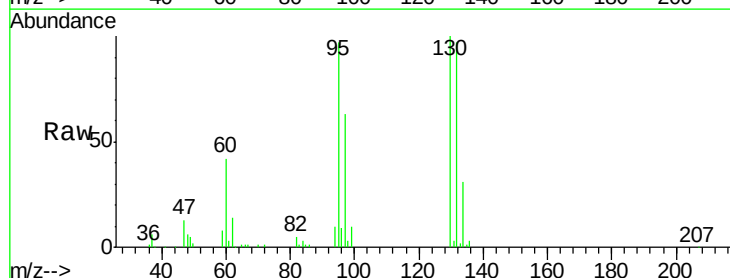
Manual Integrations  
APPROVED

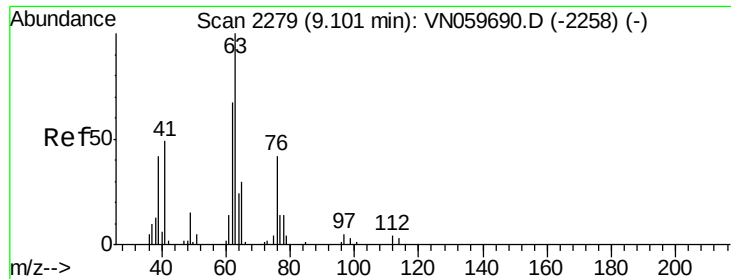
MMDadoda  
1/16/2020 10:56:45 AM



#44  
Trichloroethene  
Concen: 53.108 ug/l  
RT: 8.81 min Scan# 2190  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 97.0  | 0.0   | 207.0 |





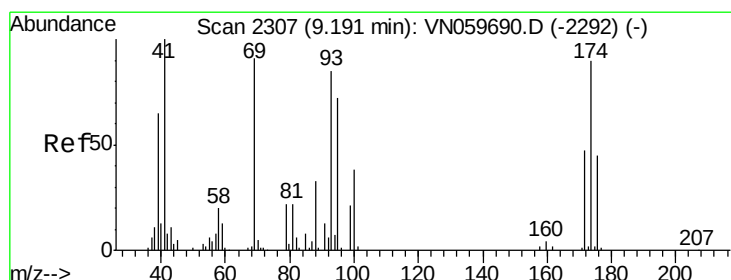
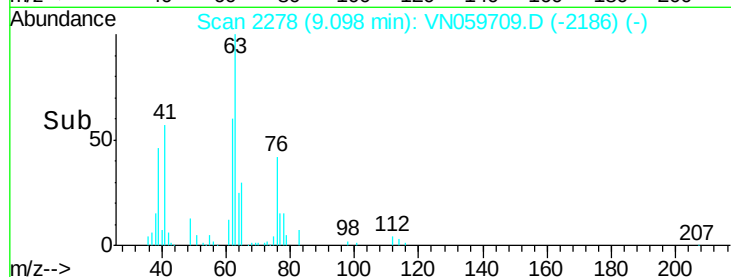
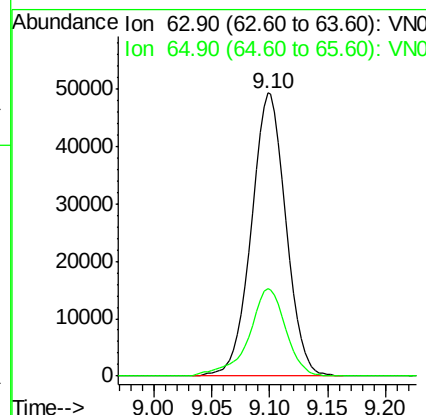
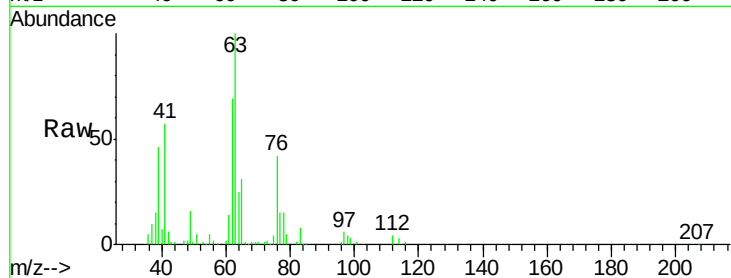
#45  
 1,2-Dichloropropane  
 Concen: 51.074 ug/l  
 RT: 9.10 min Scan# 2278  
 Delta R.T. -0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 63 Resp: 102230  
 Ion Ratio Lower Upper  
 63 100  
 65 30.9 24.9 37.3

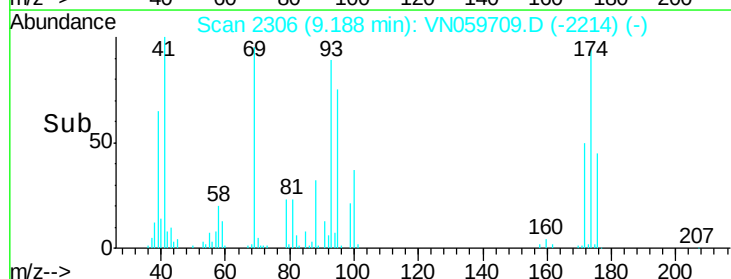
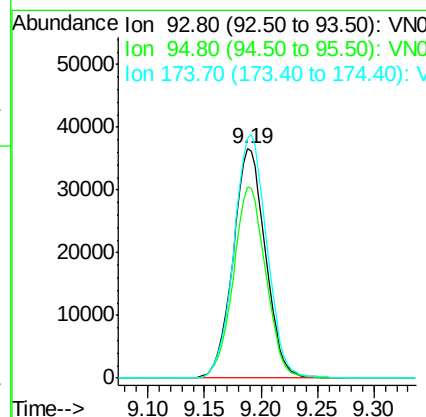
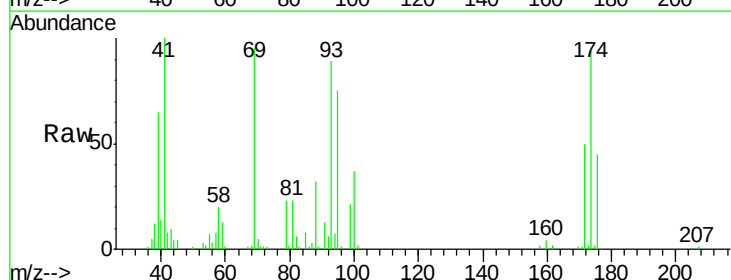
Manual Integrations  
 APPROVED

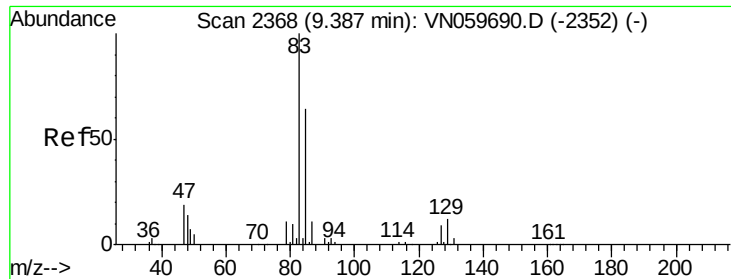
MMDadoda  
 1/16/2020 10:56:45 AM



#46  
 Dibromomethane  
 Concen: 51.772 ug/l  
 RT: 9.19 min Scan# 2306  
 Delta R.T. -0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Tgt Ion: 93 Resp: 73100  
 Ion Ratio Lower Upper  
 93 100  
 95 83.5 67.0 100.6  
 174 107.8 73.4 110.2





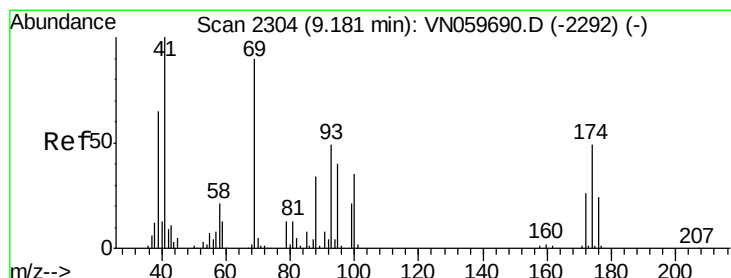
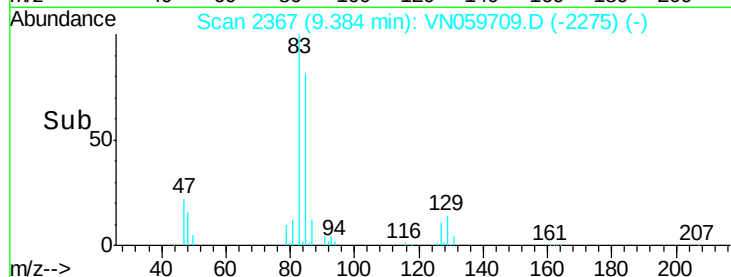
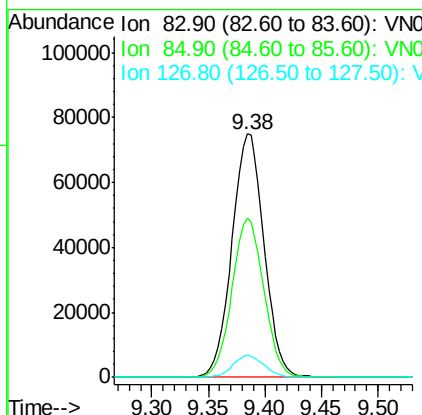
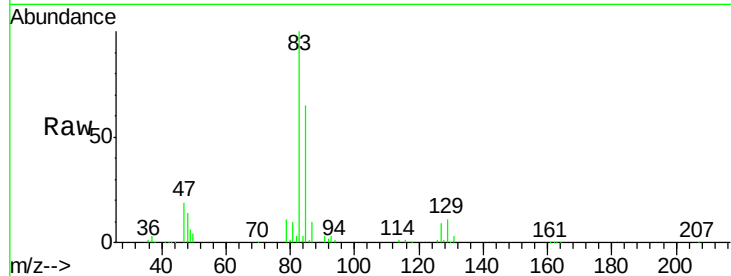
#47  
Bromodichloromethane  
Concen: 52.030 ug/l  
RT: 9.38 min Scan# 2367  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 51.1  | 76.7  |
| 127     | 8.9   | 6.6   | 9.8   |

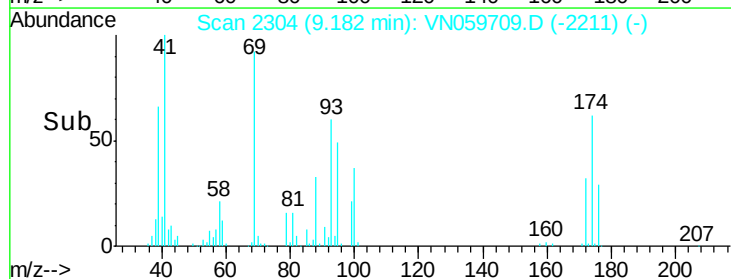
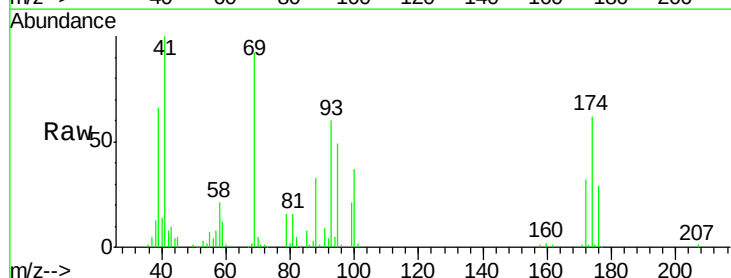
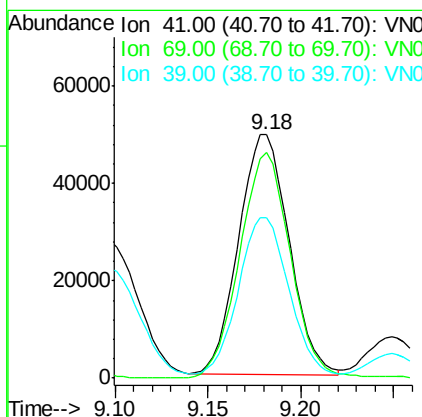
Manual Integrations  
APPROVED

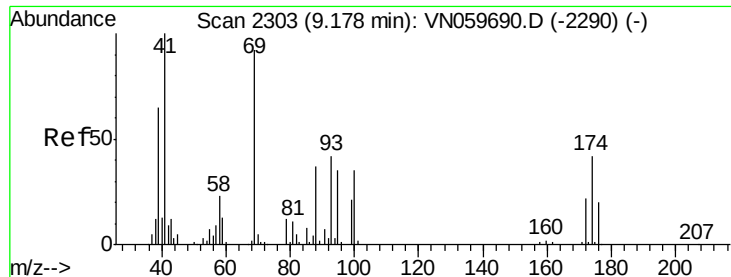
MMDadoda  
1/16/2020 10:56:45 AM



#48  
Methyl methacrylate  
Concen: 47.710 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 94.3  | 64.4  | 96.6  |
| 39      | 67.6  | 51.3  | 76.9  |





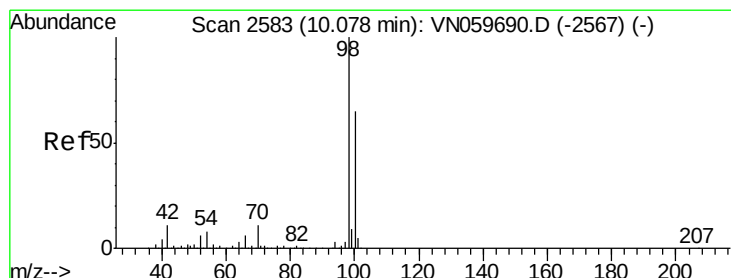
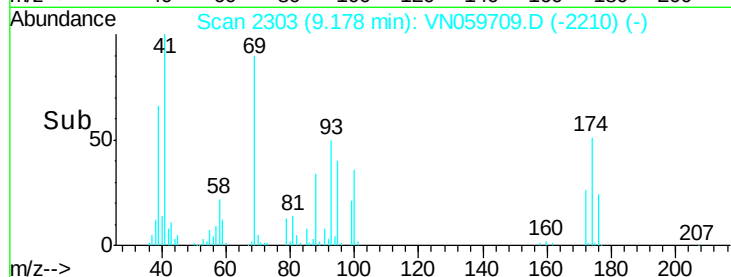
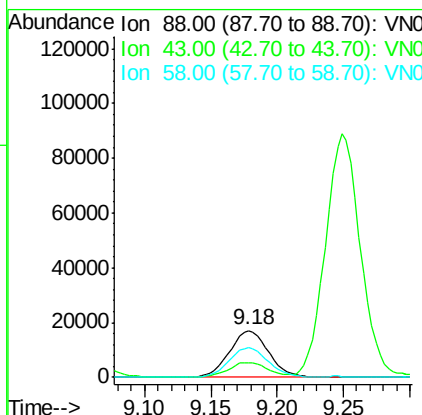
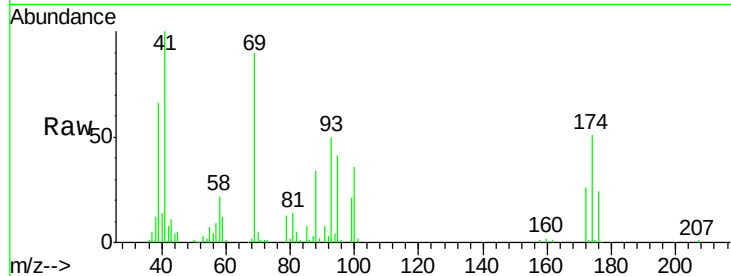
#49  
1,4-Dioxane  
Concen: 972.240 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.2  | 29.7  | 44.5  |
| 58      | 64.3  | 56.6  | 85.0  |

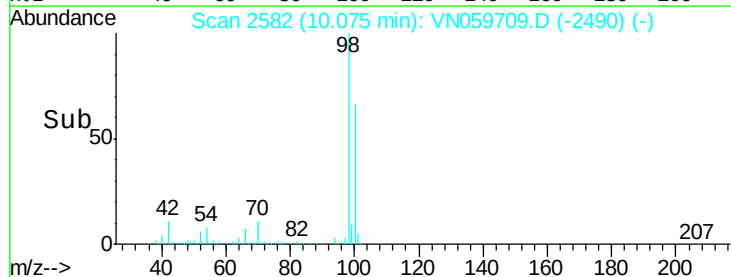
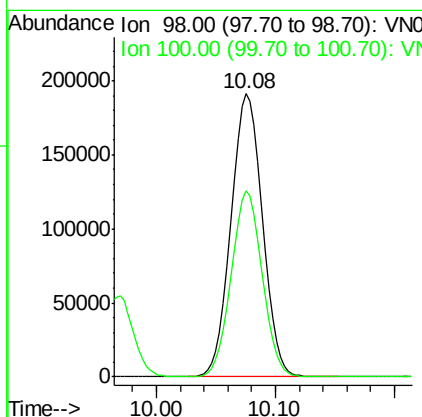
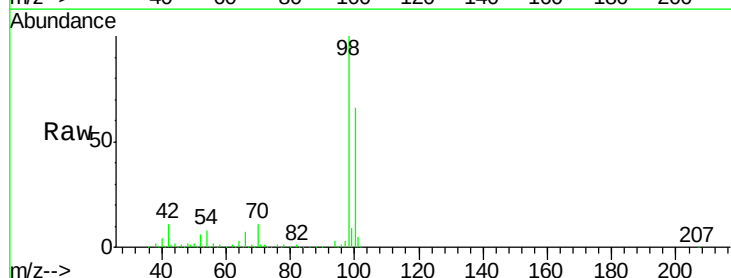
Manual Integrations  
APPROVED

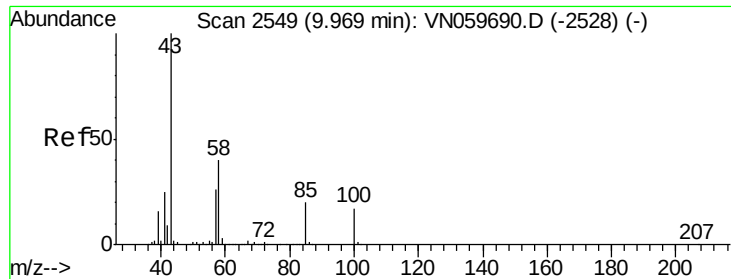
MMDadoda  
1/16/2020 10:56:45 AM



#50  
Toluene-d8  
Concen: 48.744 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 51.2  | 76.8  |





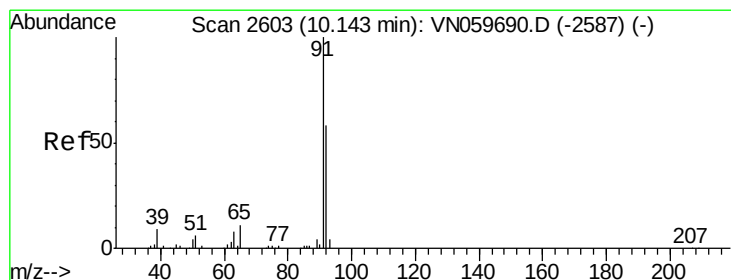
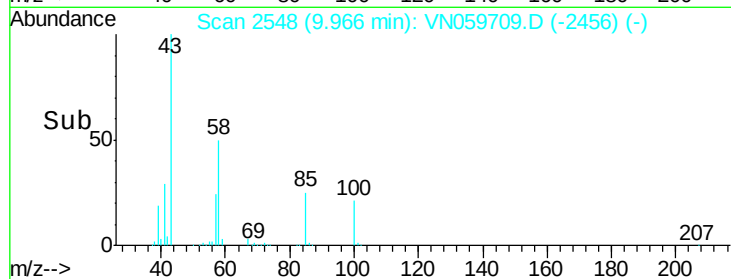
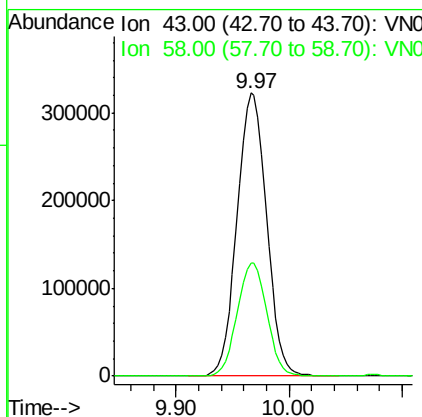
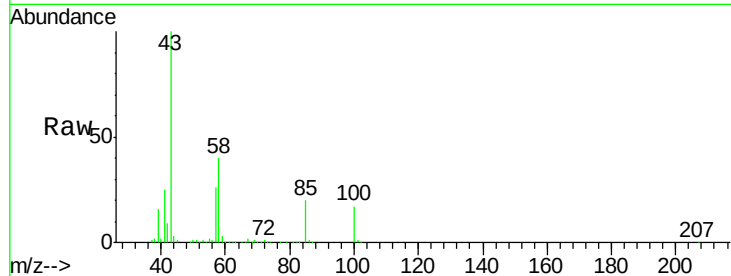
#51  
4-Methyl-2-Pentanone  
Concen: 233.055 ug/l  
RT: 9.97 min Scan# 2548  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 43 | Resp | 589480 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 40.1 | 29.8   |
| Upper     |    |      | 44.8   |

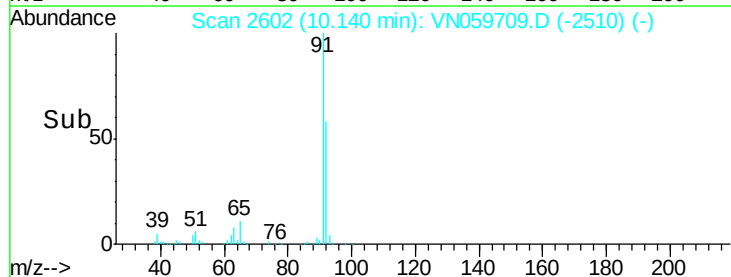
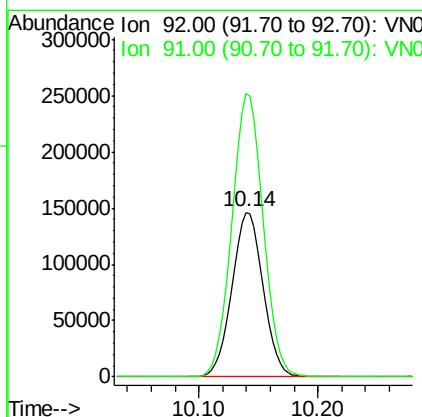
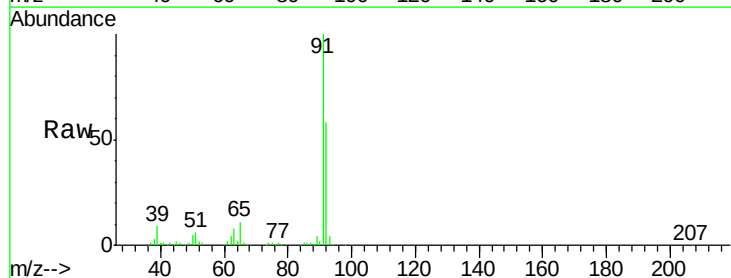
Manual Integrations  
APPROVED

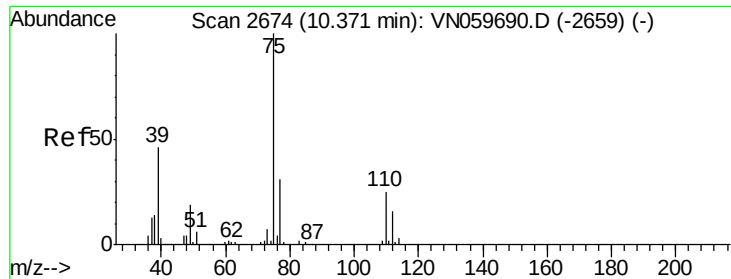
MMDadoda  
1/16/2020 10:56:45 AM



#52  
Toluene  
Concen: 51.776 ug/l  
RT: 10.14 min Scan# 2602  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion   | 92 | Resp  | 264538 |
|-----------|----|-------|--------|
| Ion Ratio | 92 | 100   |        |
| Lower     | 91 | 173.2 | 140.4  |
| Upper     |    |       | 210.6  |





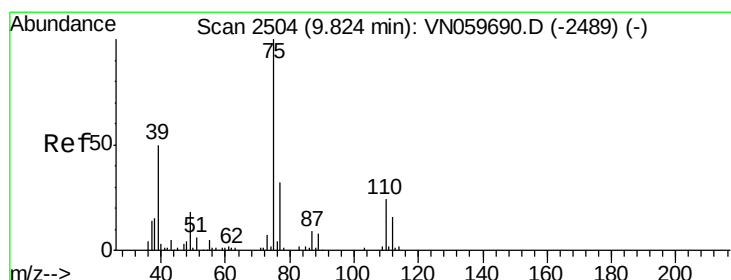
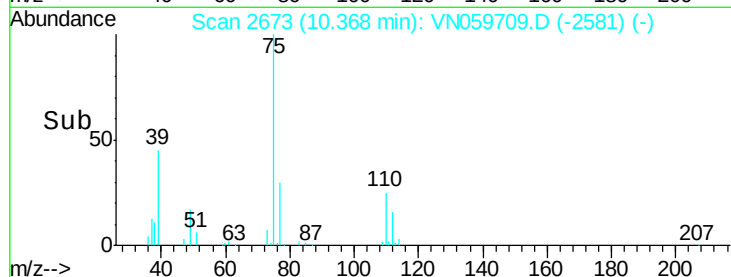
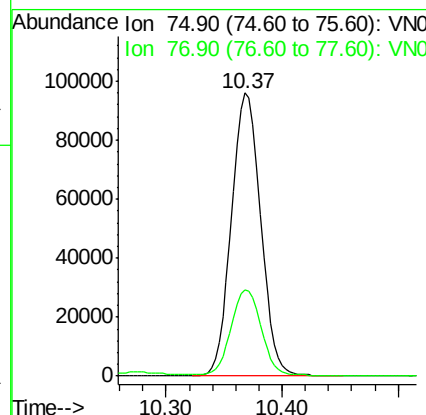
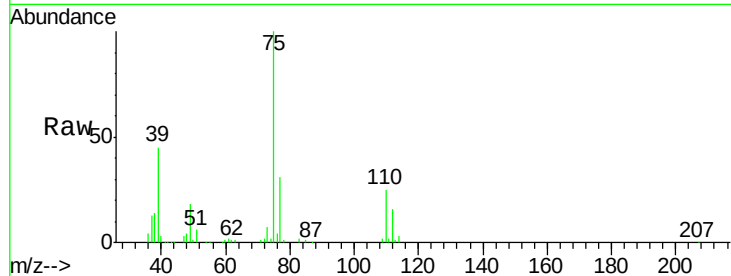
#53  
t-1,3-Dichloropropene  
Concen: 52.710 ug/l  
RT: 10.37 min Scan# 2673  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 75 Resp: 167462  
Ion Ratio Lower Upper  
75 100  
77 30.3 25.4 38.2

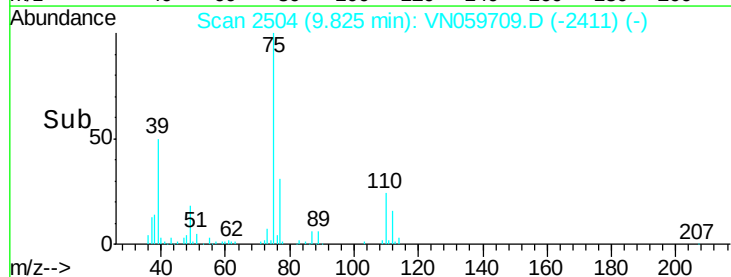
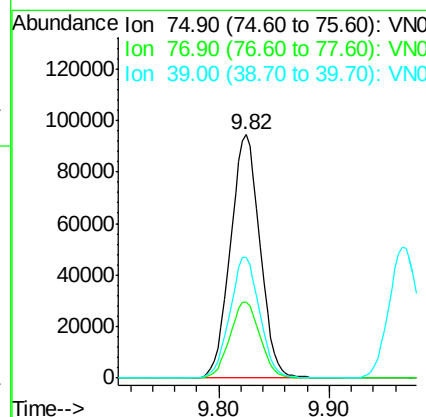
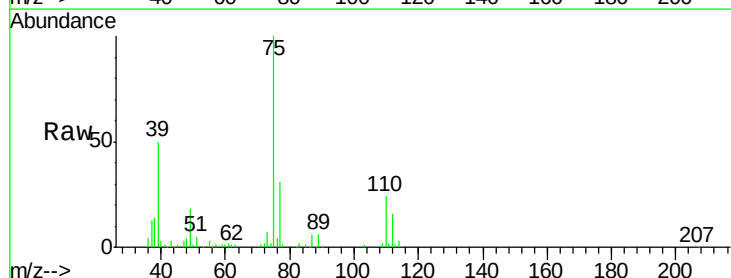
Manual Integrations  
APPROVED

MMDadoda  
1/16/2020 10:56:45 AM

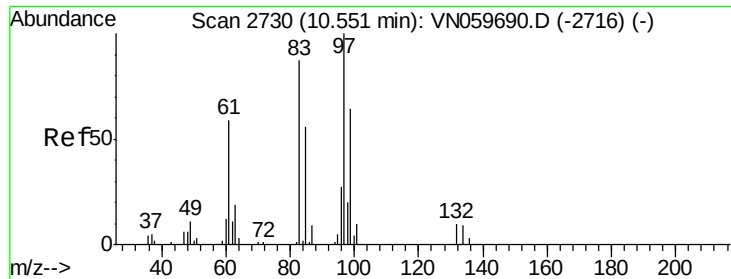


#54  
cis-1,3-Dichloropropene  
Concen: 52.540 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Tgt Ion: 75 Resp: 175632  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.1 37.7  
39 49.7 46.1 69.1







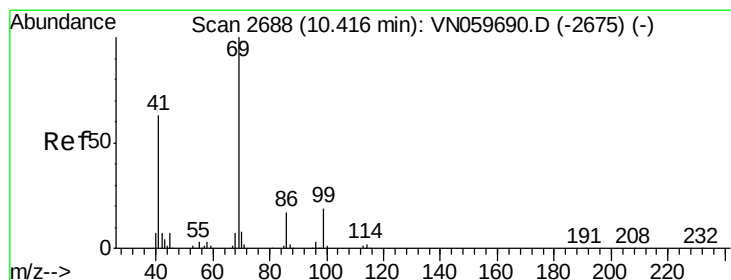
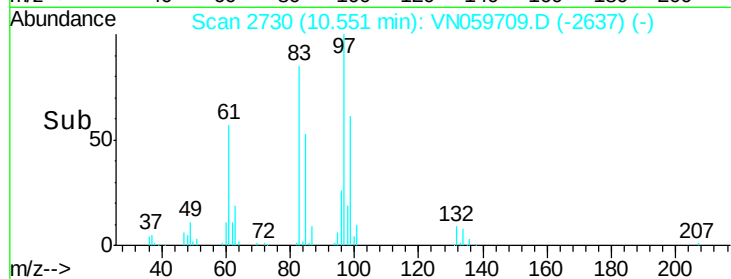
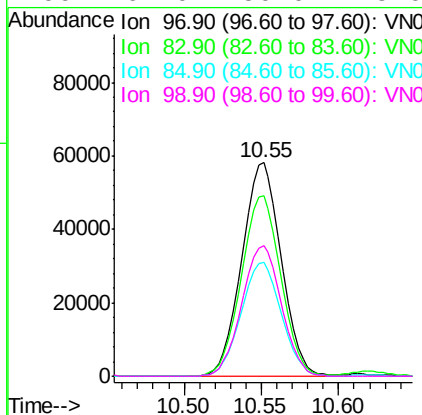
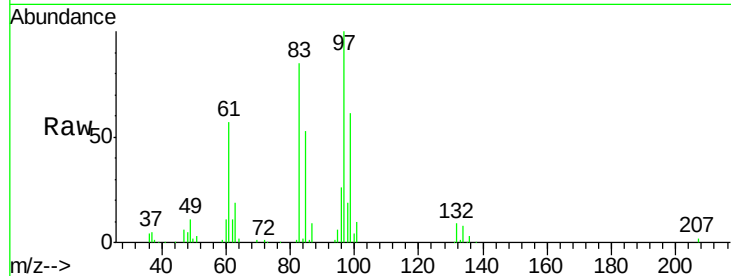
#55  
 1,1,2-Trichloroethane  
 Concen: 50.990 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 103183 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.5  | 71.3  | 106.9  |
| 85       | 53.1  | 45.8  | 68.8   |
| 99       | 61.0  | 50.0  | 75.0   |

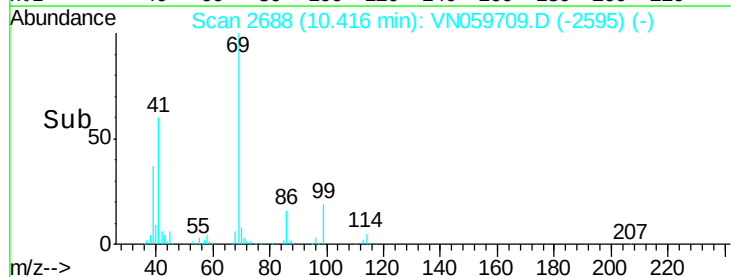
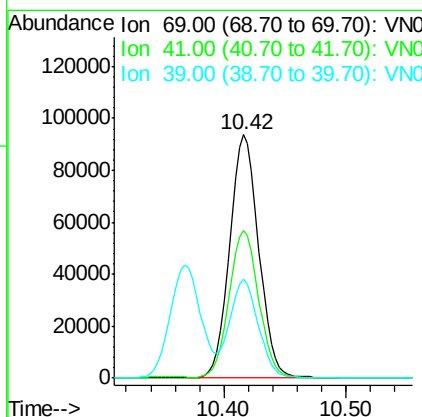
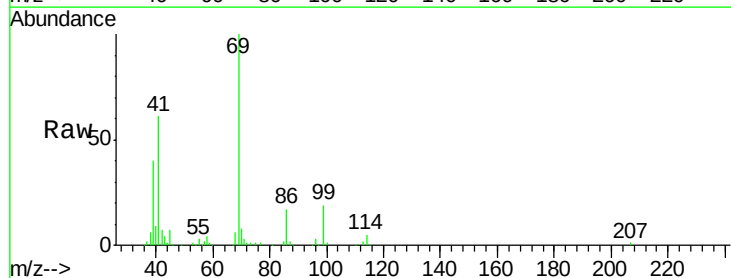
Manual Integrations  
 APPROVED

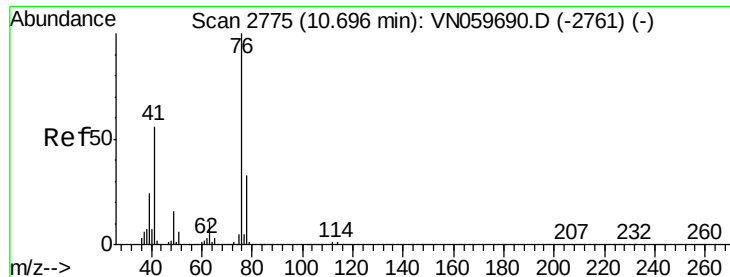
MMDadoda  
 1/16/2020 10:56:45 AM



#56  
 Ethyl methacrylate  
 Concen: 50.314 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 155574 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.3  | 57.1  | 85.7   |
| 39       | 40.2  | 34.7  | 52.1   |





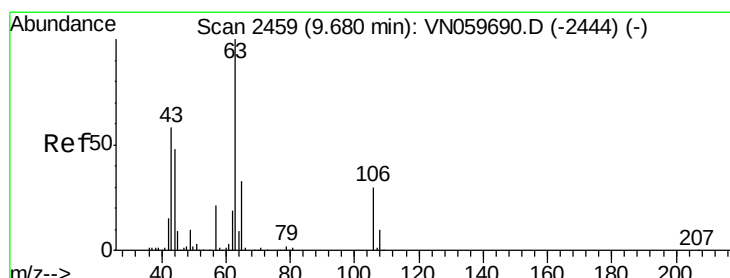
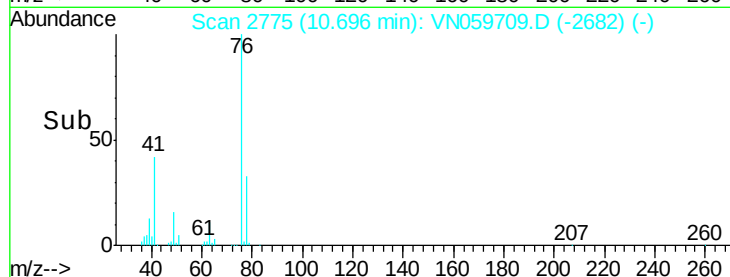
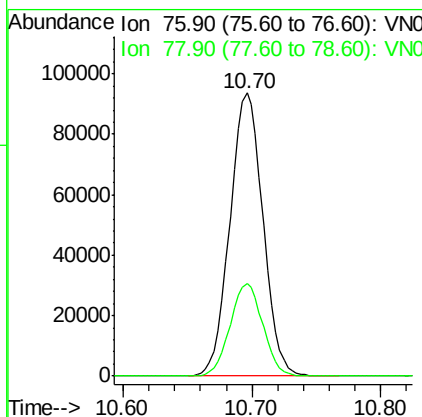
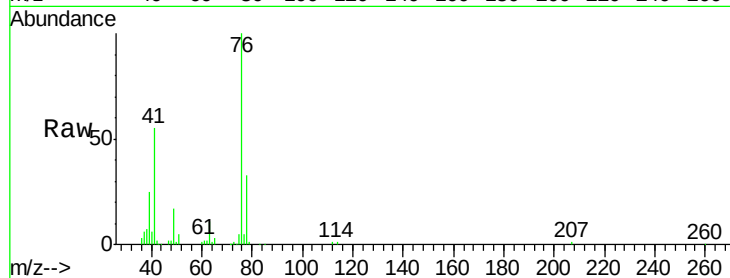
#57  
 1,3-Dichloropropane  
 Concen: 51.741 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.5  | 25.8  | 38.8  |

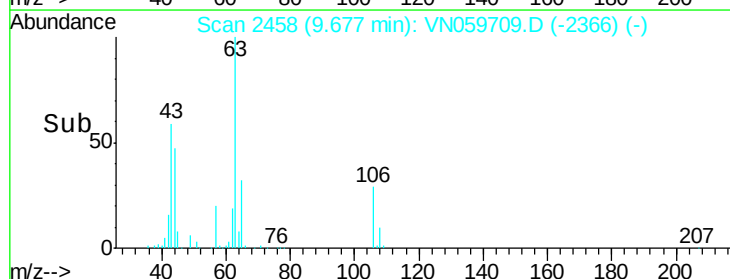
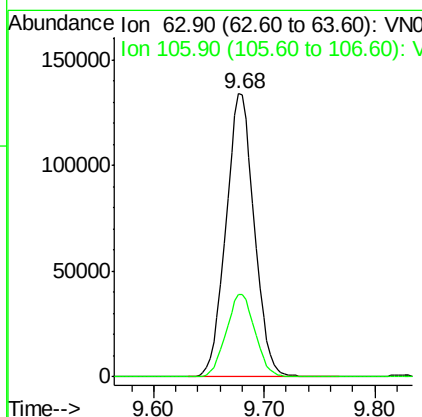
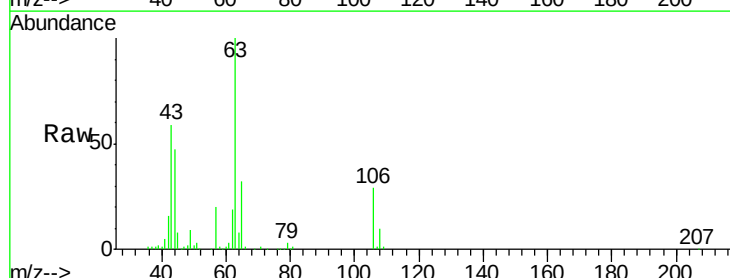
Manual Integrations  
 APPROVED

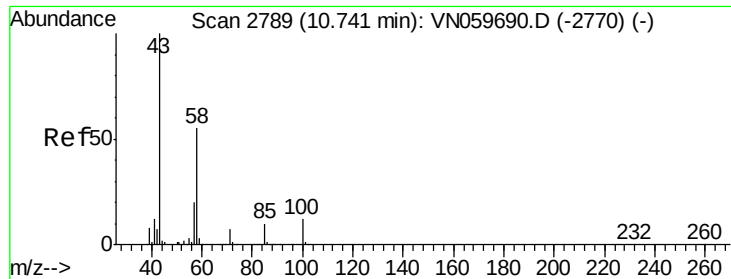
MMDadoda  
 1/16/2020 10:56:45 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 255.938 ug/l  
 RT: 9.68 min Scan# 2458  
 Delta R.T. -0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.7  | 20.2  | 30.2  |





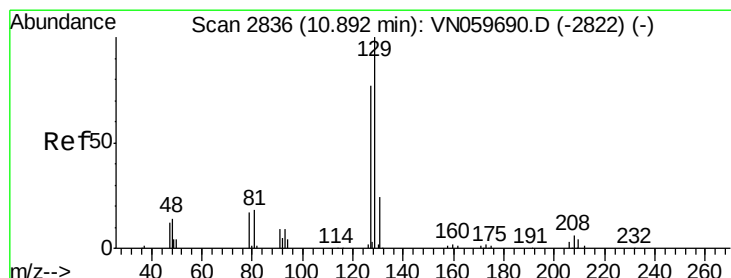
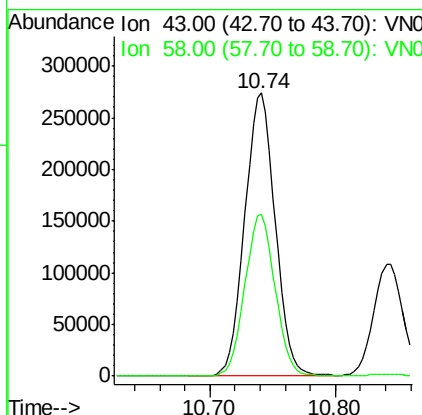
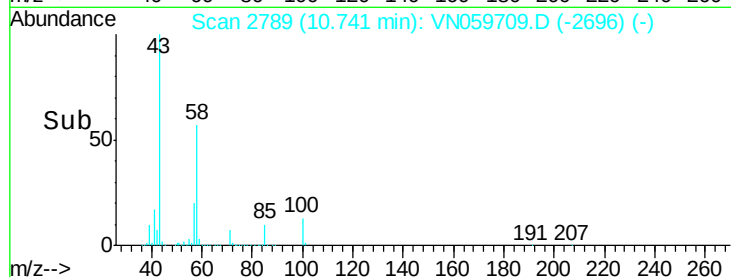
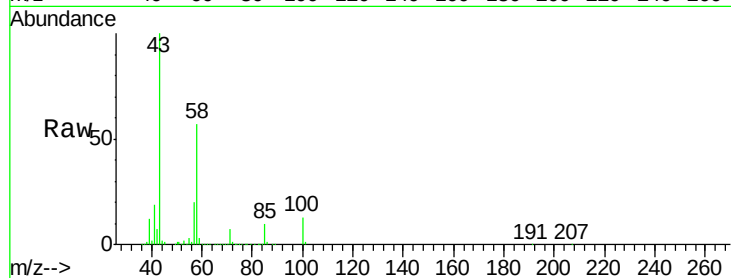
#59  
2-Hexanone  
Concen: 248.500 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 43 Resp: 463052  
Ion Ratio Lower Upper  
43 100  
58 56.8 25.8 77.3

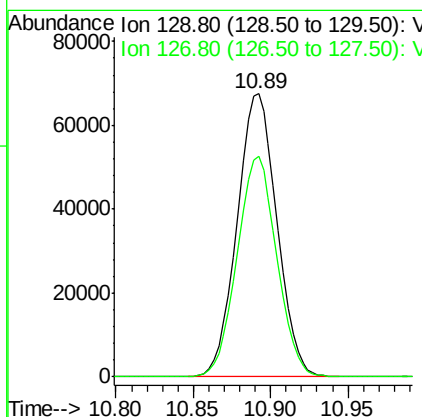
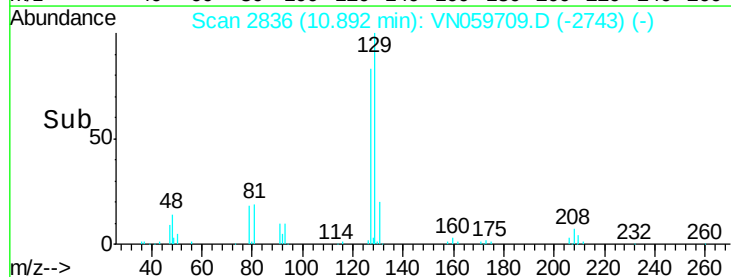
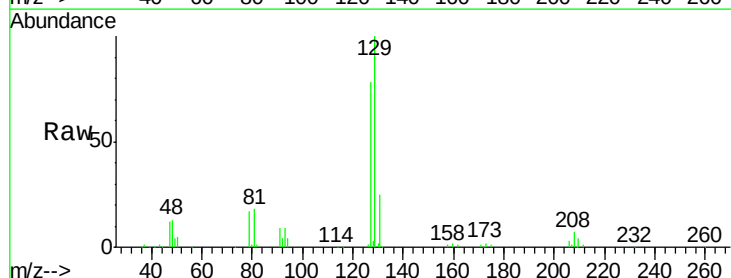
Manual Integrations  
APPROVED

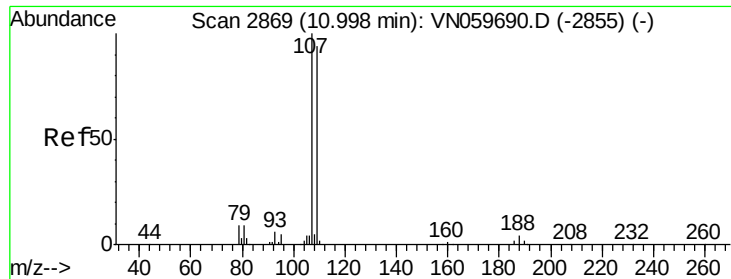
MMDadoda  
1/16/2020 10:56:45 AM



#60  
Dibromochloromethane  
Concen: 52.390 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Tgt Ion: 129 Resp: 120727  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.5 115.5





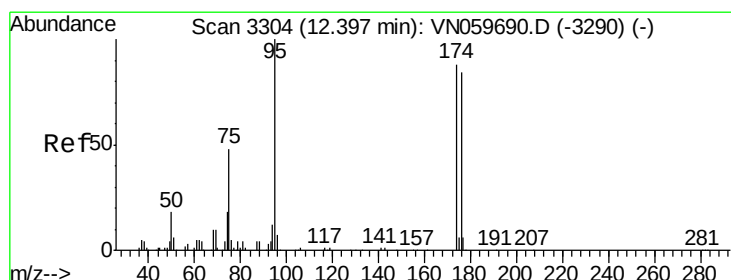
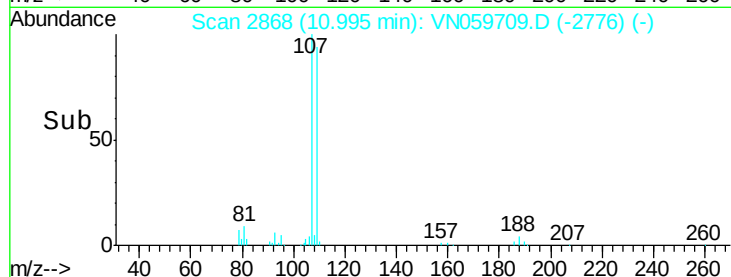
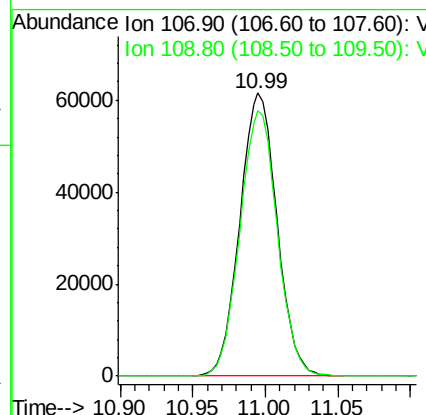
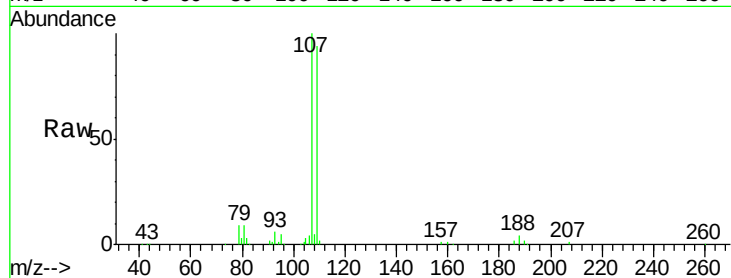
#61  
 1,2-Dibromoethane  
 Concen: 51.660 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.4  | 76.6  | 115.0 |

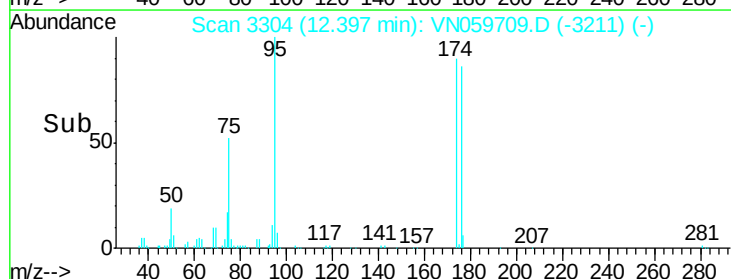
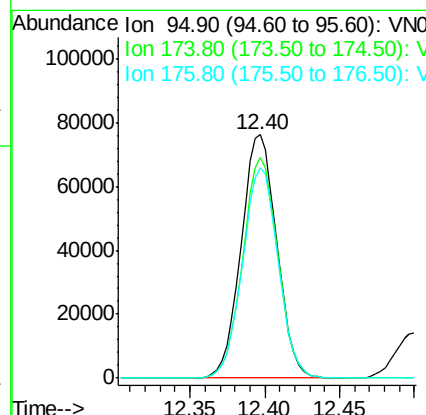
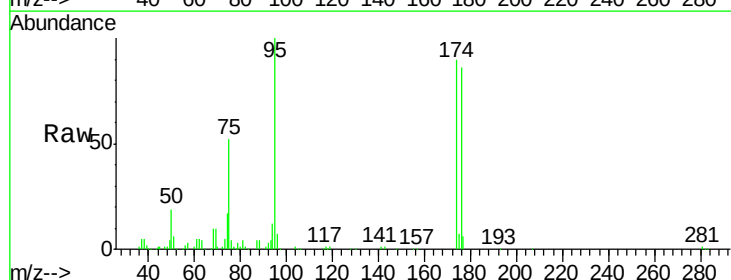
Manual Integrations  
 APPROVED

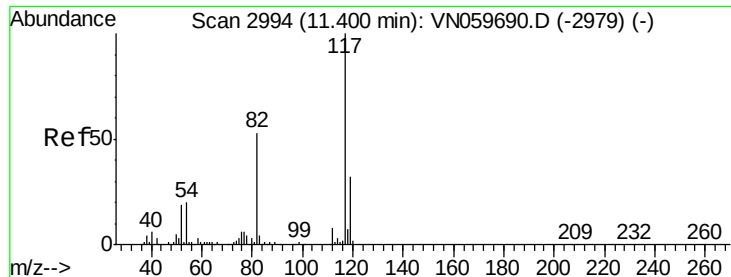
MMDadoda  
 1/16/2020 10:56:45 AM



#62  
 4-Bromofluorobenzene  
 Concen: 48.620 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 89.6  | 0.0   | 151.4 |
| 176     | 86.3  | 0.0   | 146.0 |





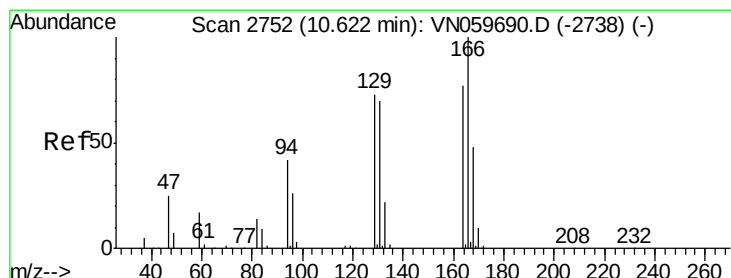
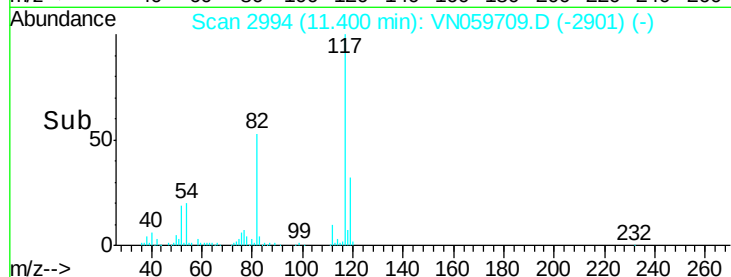
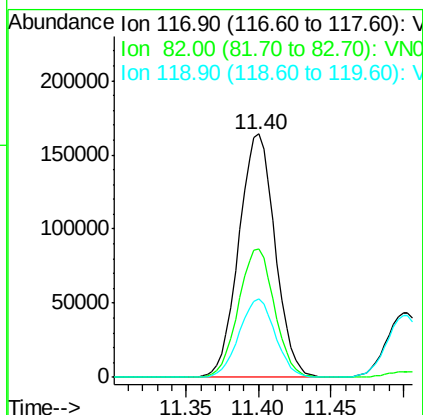
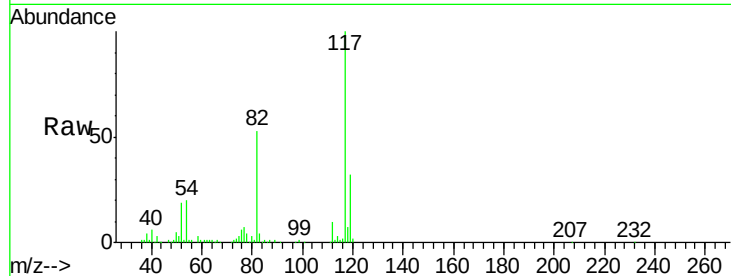
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 285390 |       |       |
| 82      | 52.7  |        | 45.9  | 68.9  |
| 119     | 32.2  |        | 25.5  | 38.3  |

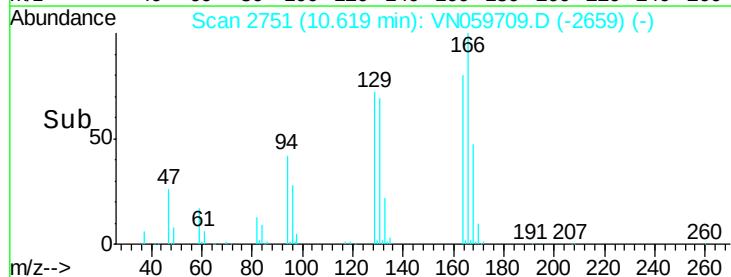
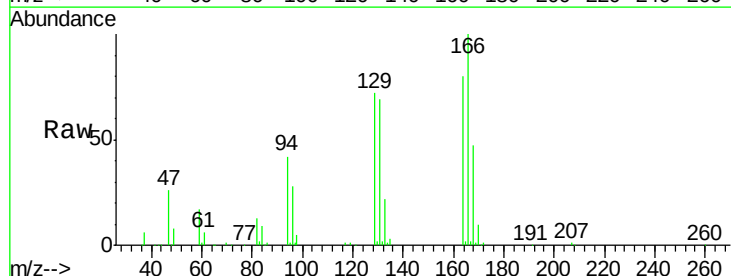
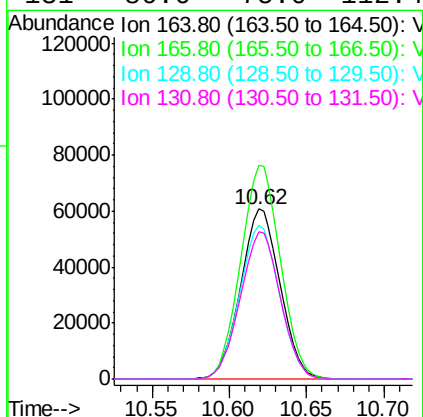
Manual Integrations  
APPROVED

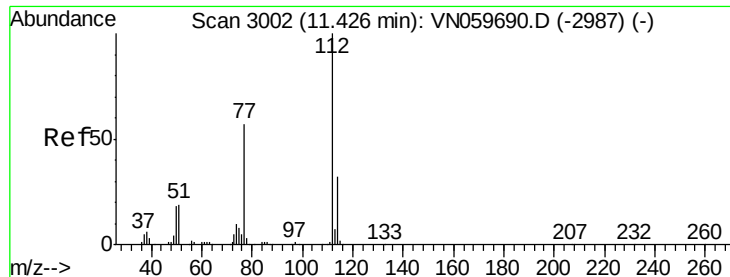
MMDadoda  
1/16/2020 10:56:45 AM



#64  
Tetrachloroethene  
Concen: 46.399 ug/l  
RT: 10.62 min Scan# 2751  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 107923 |       |       |
| 166     | 125.6 |        | 101.4 | 152.0 |
| 129     | 90.1  |        | 80.2  | 120.4 |
| 131     | 86.6  |        | 75.0  | 112.4 |





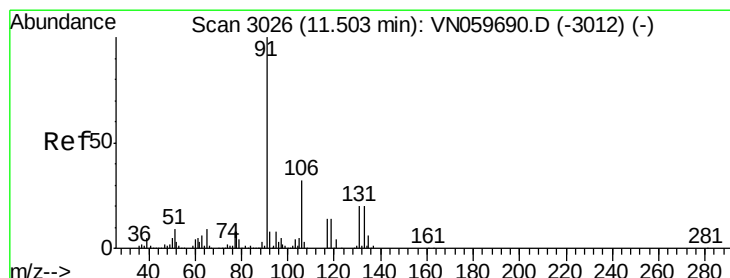
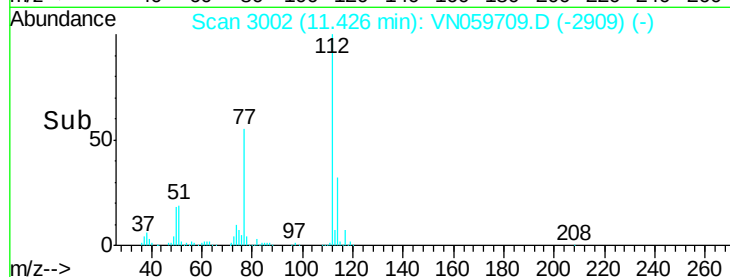
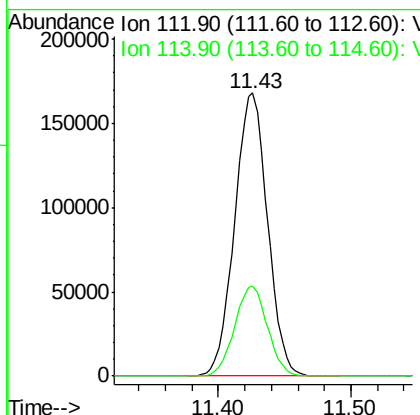
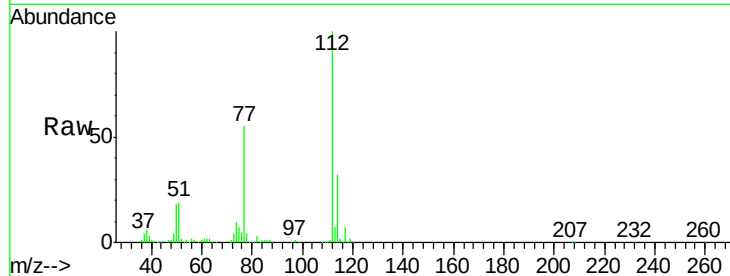
#65  
Chlorobenzene  
Concen: 51.500 ug/l  
RT: 11.43 min Scan# 3002  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 31.7  | 25.8  | 38.8  |

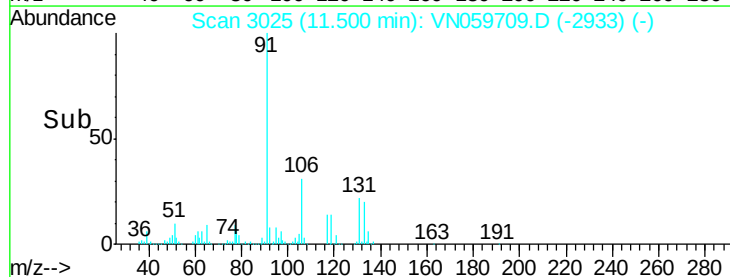
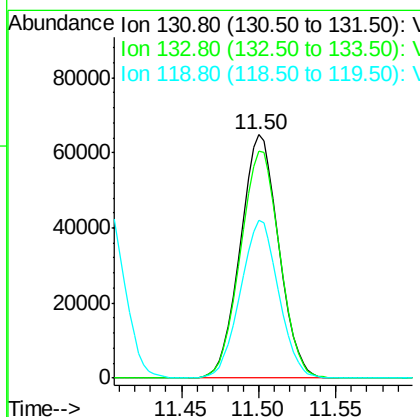
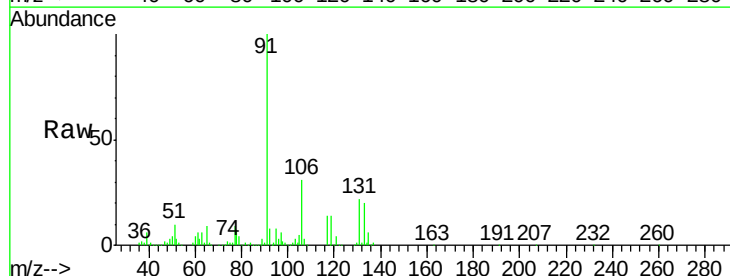
Manual Integrations  
APPROVED

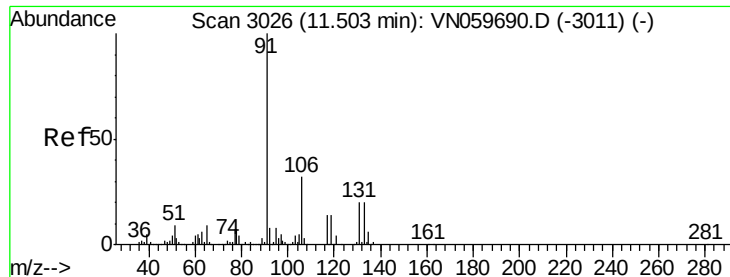
MMDadoda  
1/16/2020 10:56:45 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.636 ug/l  
RT: 11.50 min Scan# 3025  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.4  | 47.4  | 142.2 |
| 119     | 64.6  | 33.1  | 99.3  |





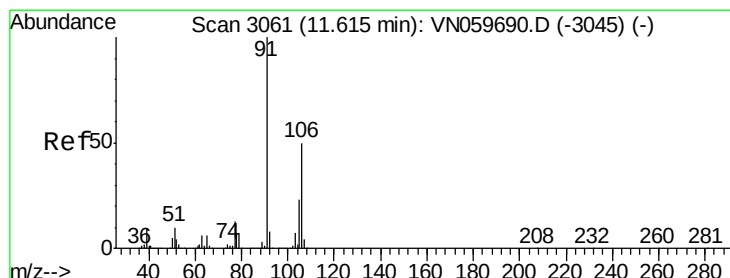
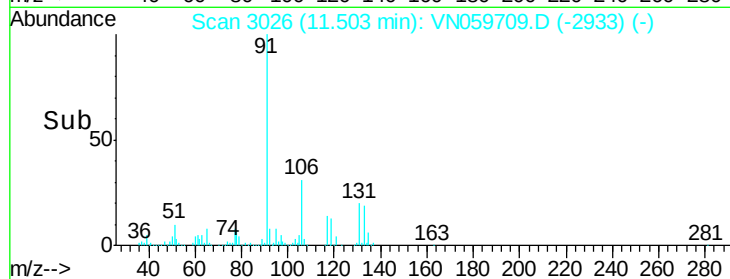
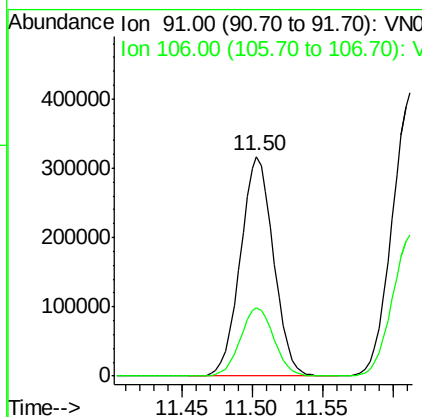
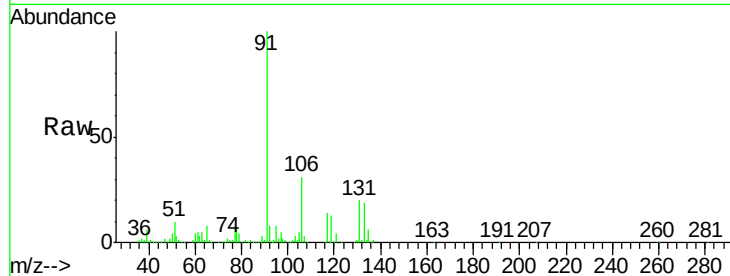
#67  
Ethyl Benzene  
Concen: 51.039 ug/l  
RT: 11.50 min Scan# 3026  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 91 Resp: 519724  
Ion Ratio Lower Upper  
91 100  
106 31.2 24.1 36.1

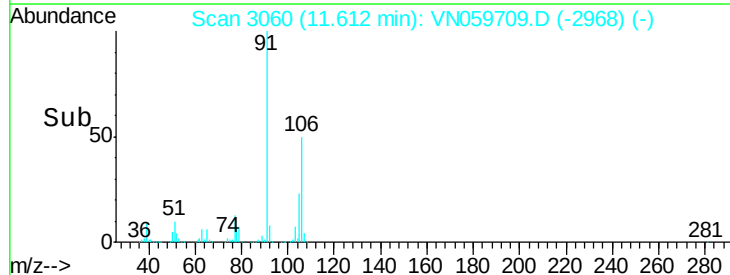
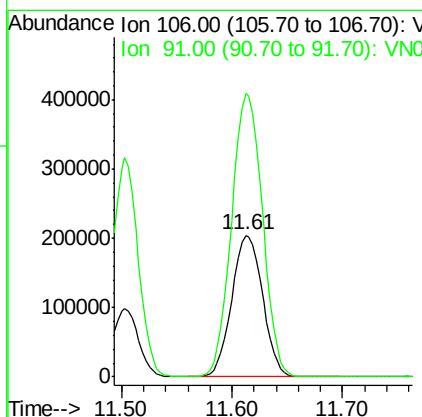
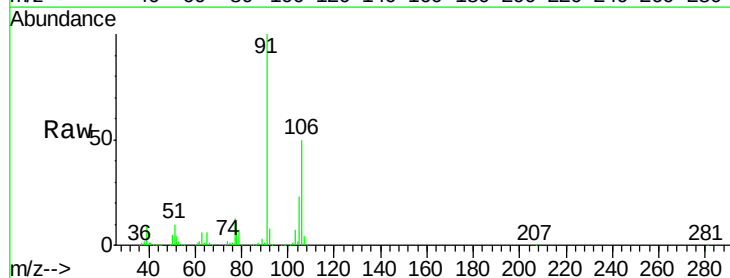
Manual Integrations  
APPROVED

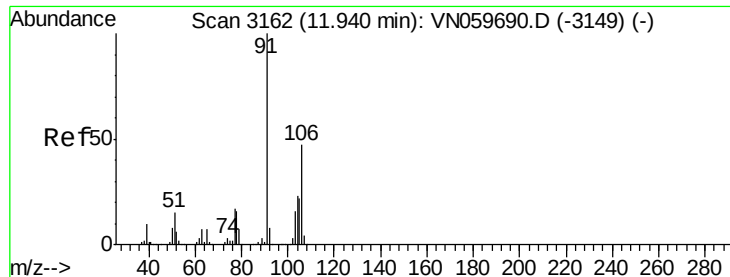
MMDadoda  
1/16/2020 10:56:45 AM



#68  
m/p-Xylenes  
Concen: 103.152 ug/l  
RT: 11.61 min Scan# 3060  
Delta R.T. -0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Tgt Ion: 106 Resp: 396775  
Ion Ratio Lower Upper  
106 100  
91 200.2 167.9 251.9





#69

o-Xylene

Concen: 50.719 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion:106 Resp: 190994

Ion Ratio Lower Upper

106 100

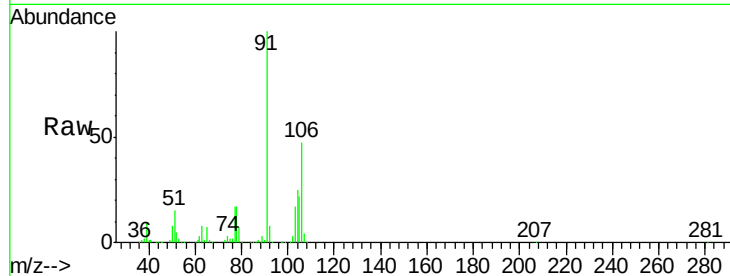
91 211.4 110.3 330.9

Manual Integrations

APPROVED

MMDadoda

1/16/2020 10:56:45 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

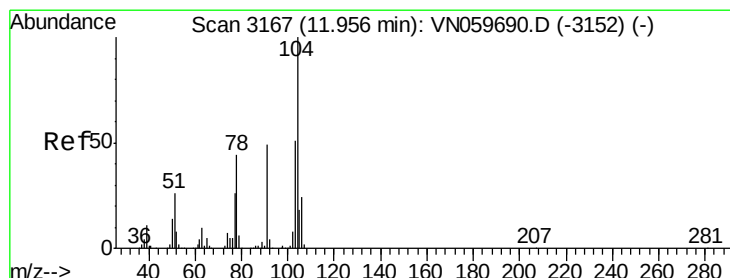
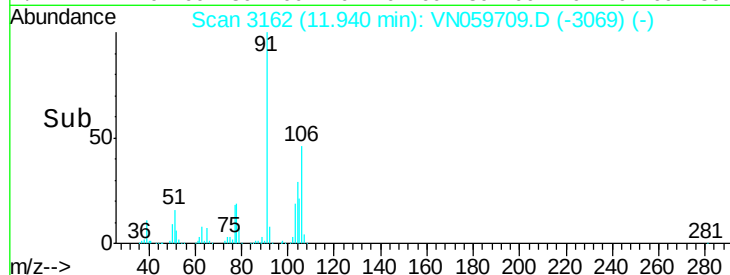
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 51.793 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

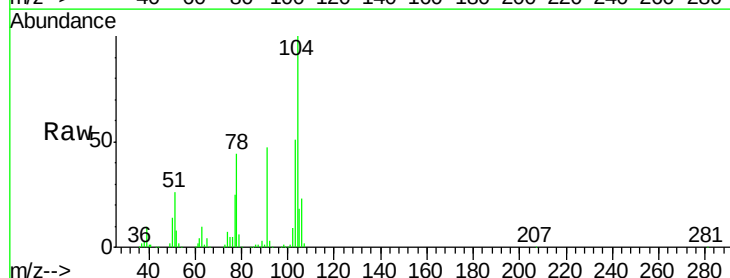
Tgt Ion:104 Resp: 326372

Ion Ratio Lower Upper

104 100

78 48.9 42.4 63.6

103 54.9 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

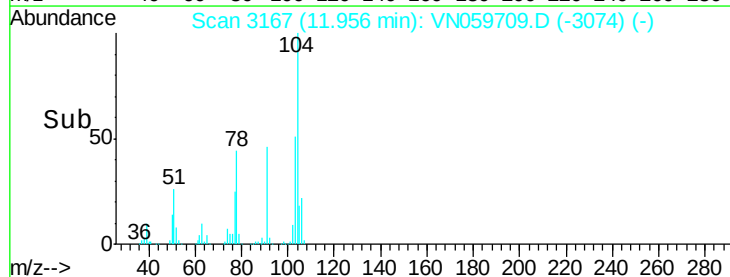
100000

50000

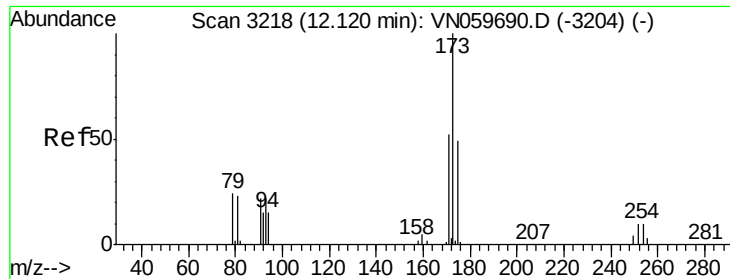
0

11.90 11.95 12.00

Time-->







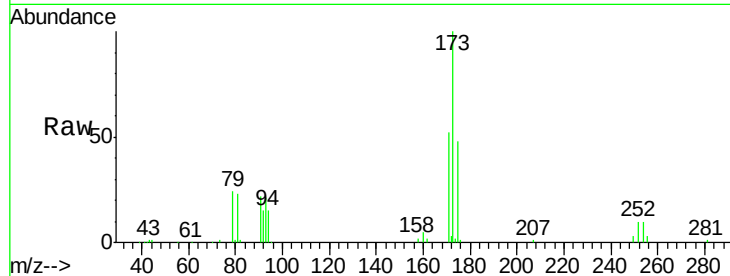
#71  
Bromoform  
Concen: 52.502 ug/l  
RT: 12.12 min Scan# 3218  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

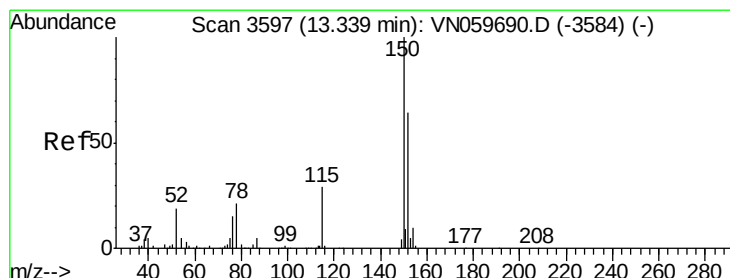
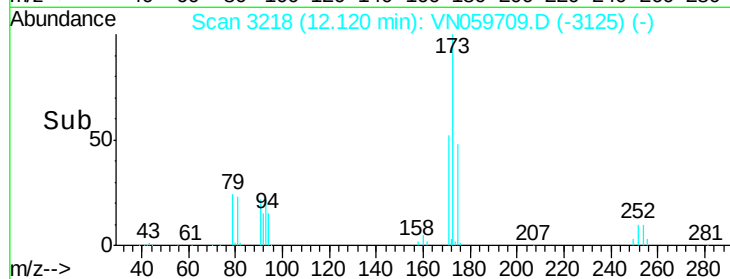
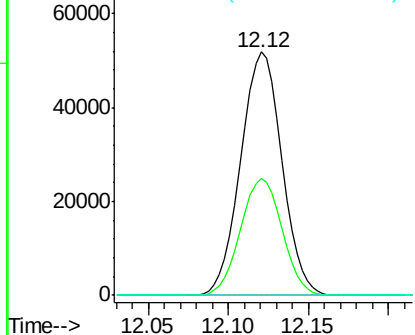
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.5  | 23.8  | 71.4  |
| 254     | 0.0   | 0.0   | 0.0   |

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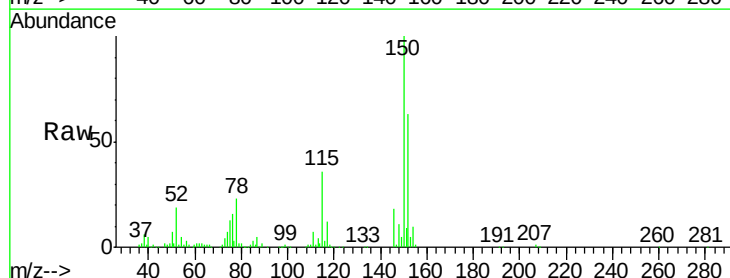


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

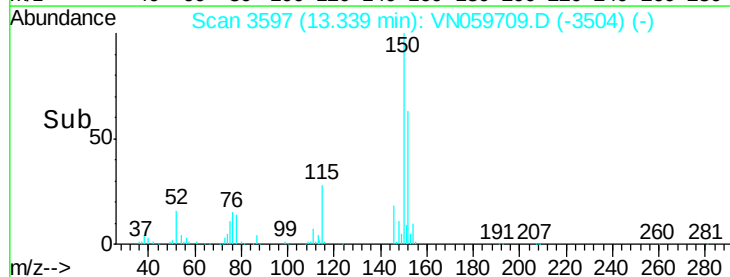
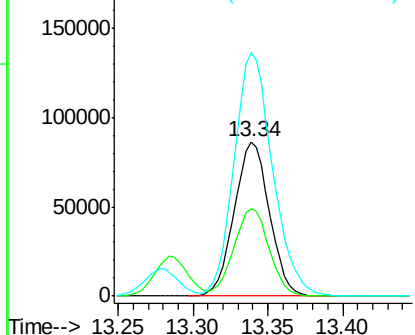


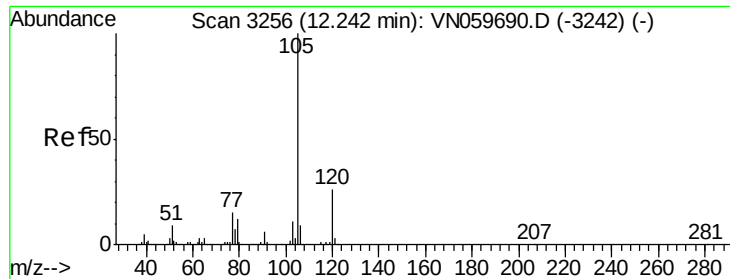
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.0  | 30.3  | 90.9  |
| 150     | 173.9 | 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





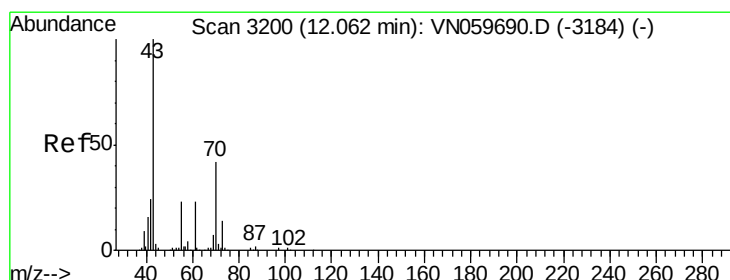
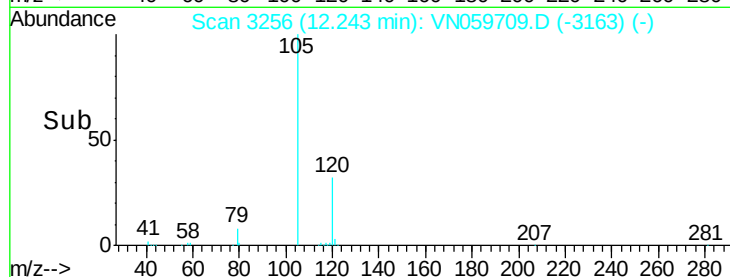
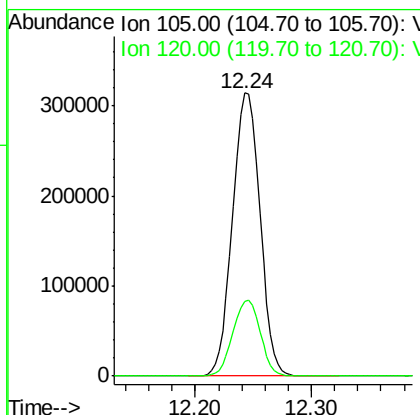
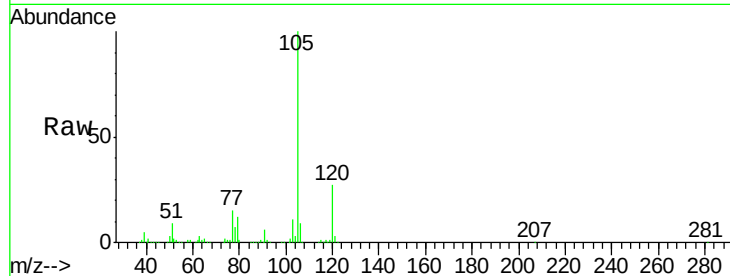
#73  
Isopropylbenzene  
Concen: 49.987 ug/l  
RT: 12.24 min Scan# 3256  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

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

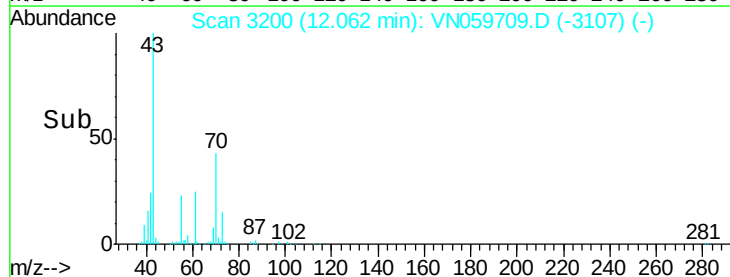
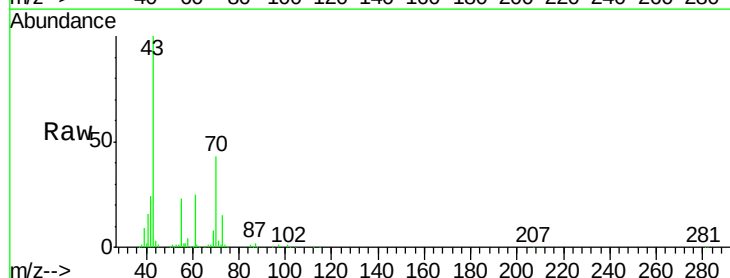
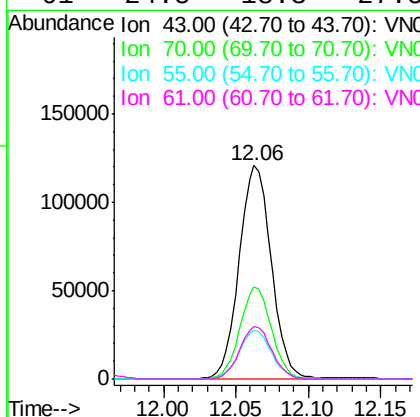
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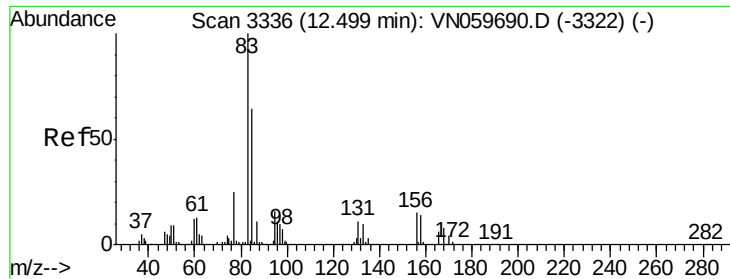
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#74  
N-ethyl acetate  
Concen: 46.658 ug/l  
RT: 12.06 min Scan# 3200  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 42.2  | 31.3  | 46.9  |
| 55      | 22.9  | 19.8  | 29.6  |
| 61      | 24.5  | 18.3  | 27.5  |





#75

1,1,2,2-Tetrachloroethane

Concen: 48.663 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

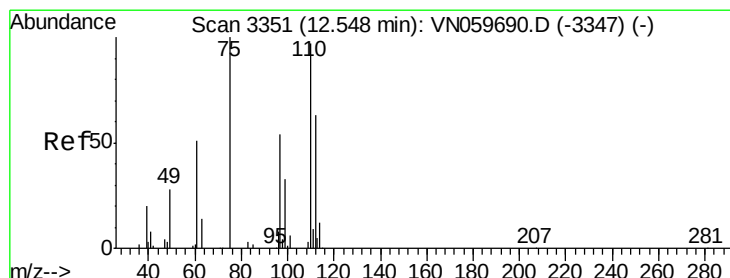
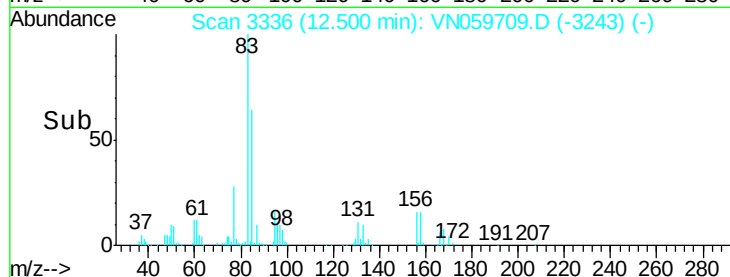
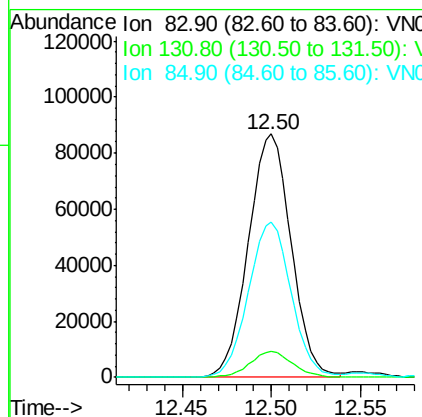
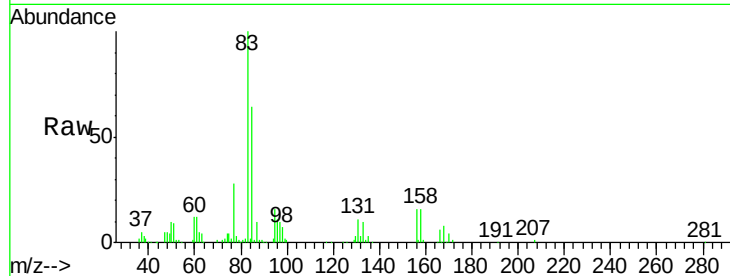
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 145643 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.0   | 14.9   |
| 85        | 63.8  | 31.9  | 95.5   |

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#76

1,2,3-Trichloropropane

Concen: 58.004 ug/l m

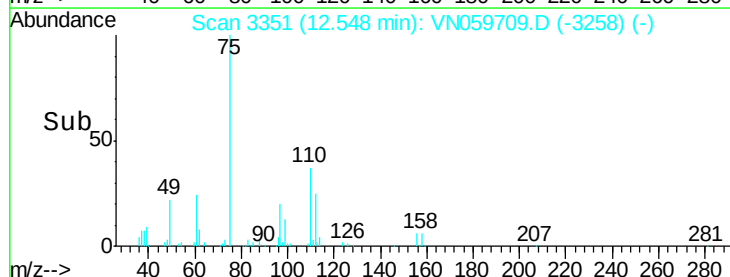
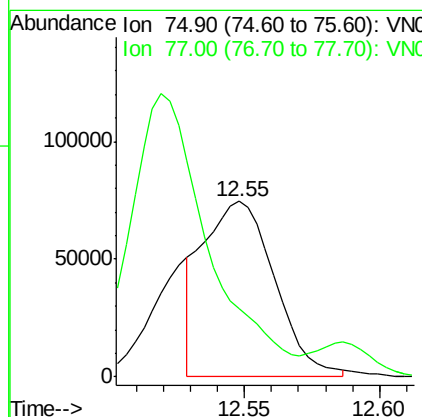
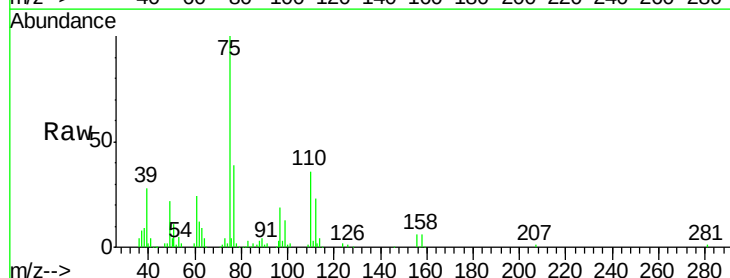
RT: 12.55 min Scan# 3351

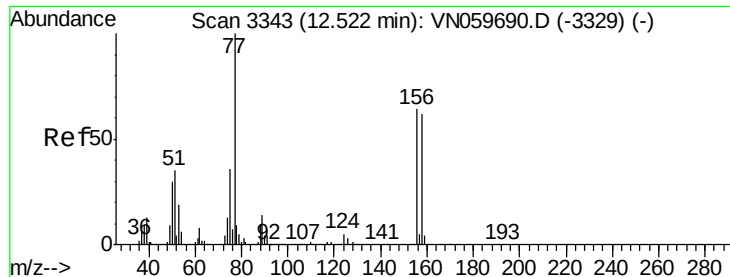
Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 137412 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 50.456 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

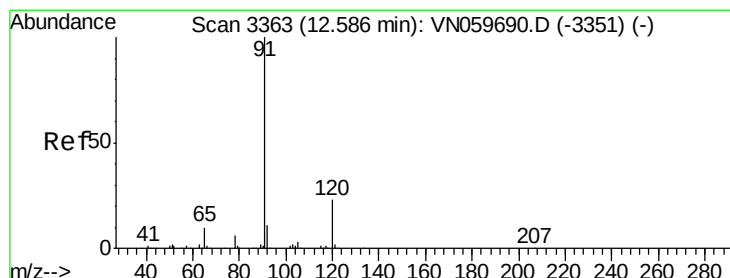
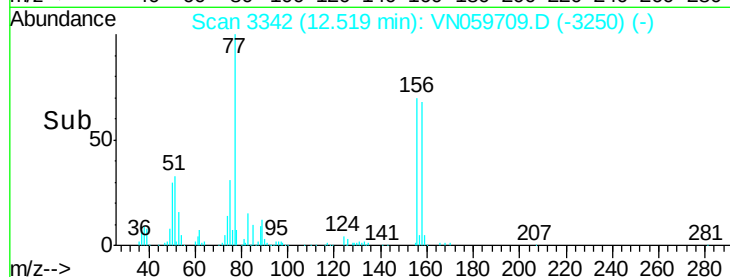
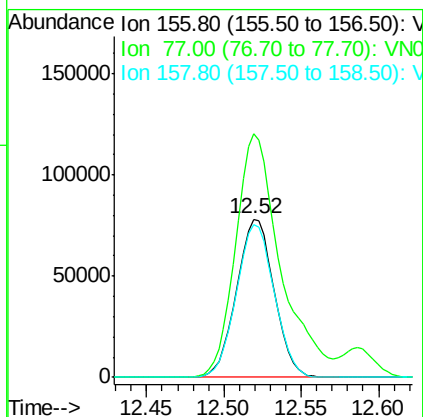
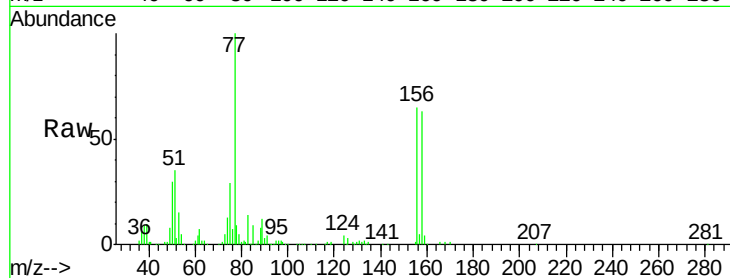
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 131913 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 184.8 | 115.8 | 347.4  |
| 158       | 97.5  | 49.2  | 147.6  |

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#78

n-propylbenzene

Concen: 50.623 ug/l

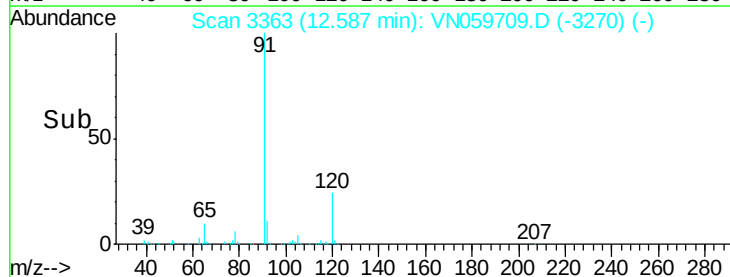
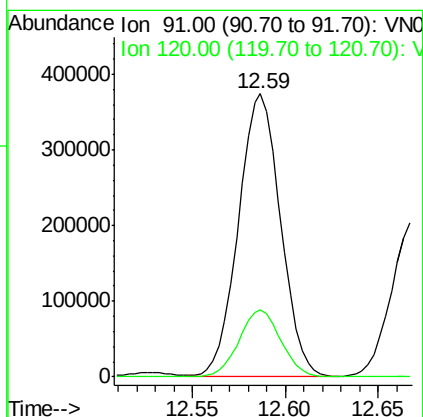
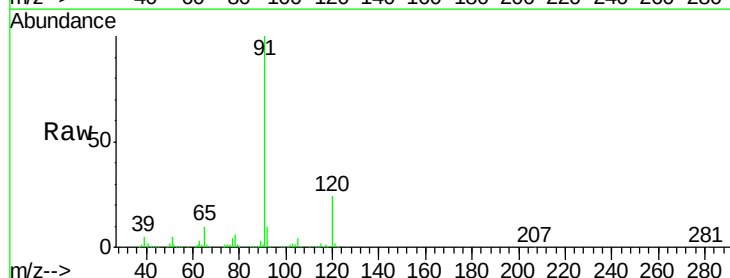
RT: 12.59 min Scan# 3363

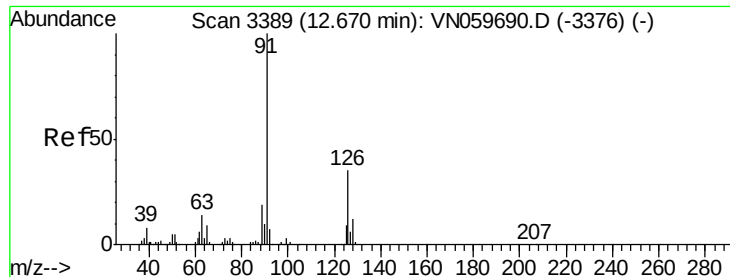
Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 586596 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.6  | 11.1  | 33.3   |





#79

2-Chlorotoluene

Concen: 49.191 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 339094

Ion Ratio Lower Upper

91 100

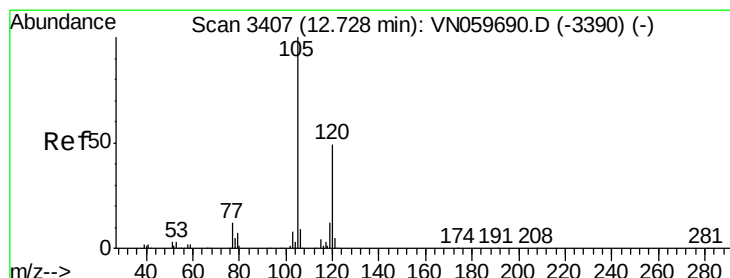
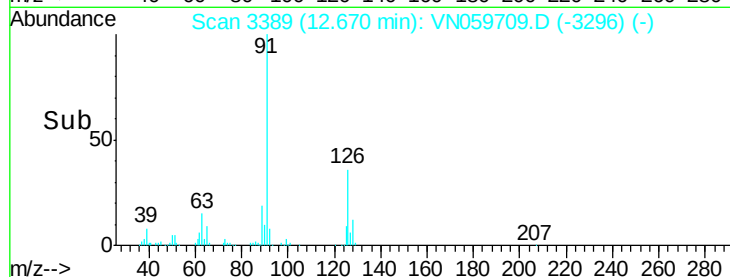
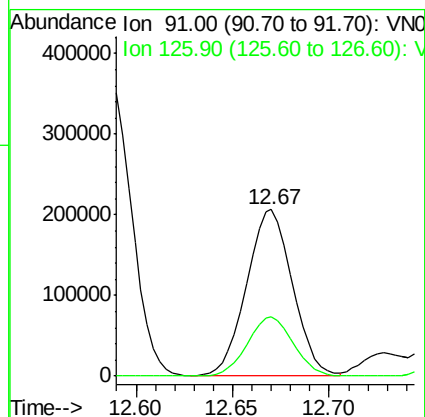
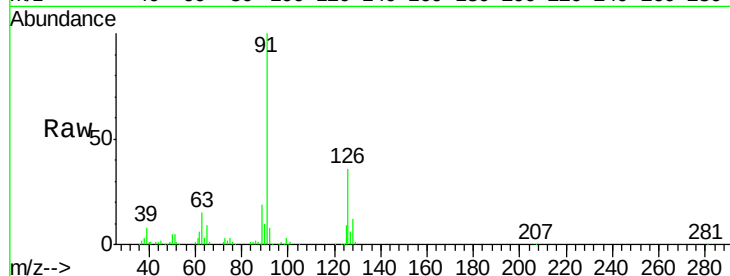
126 35.9 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 50.435 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059709.D

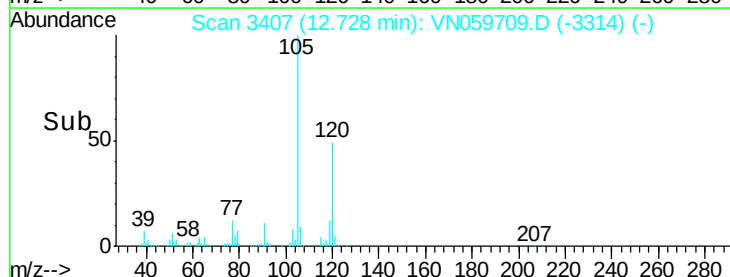
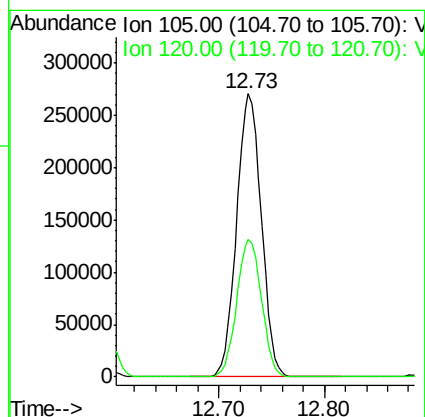
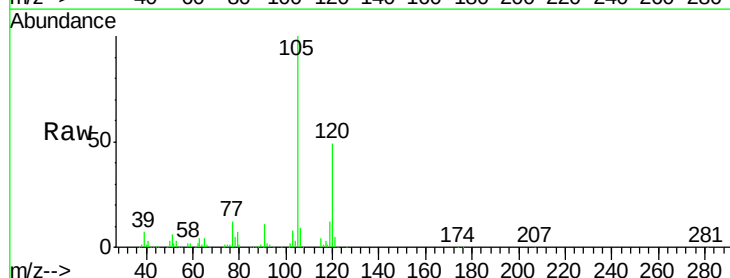
Acq: 15 Jan 2020 9:47

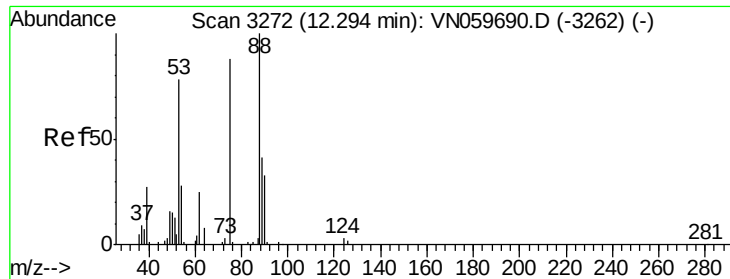
Tgt Ion: 105 Resp: 437896

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4





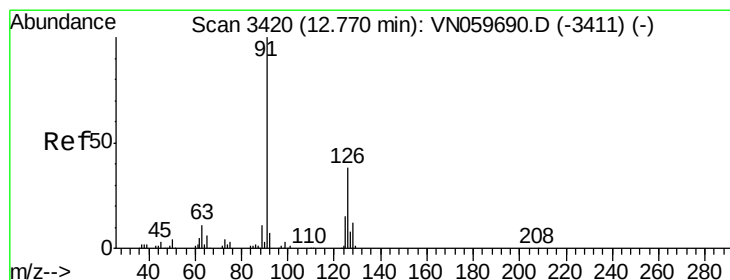
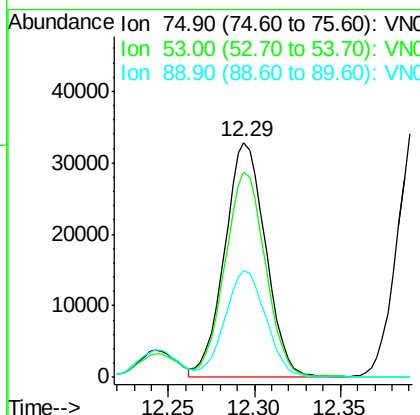
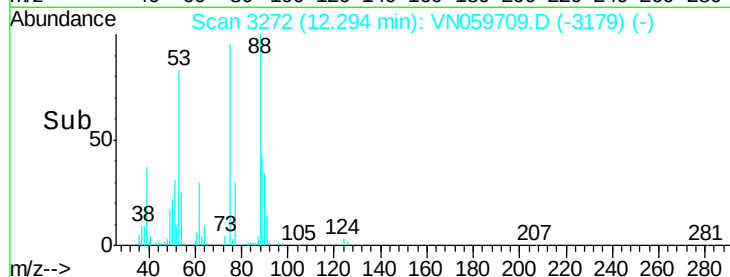
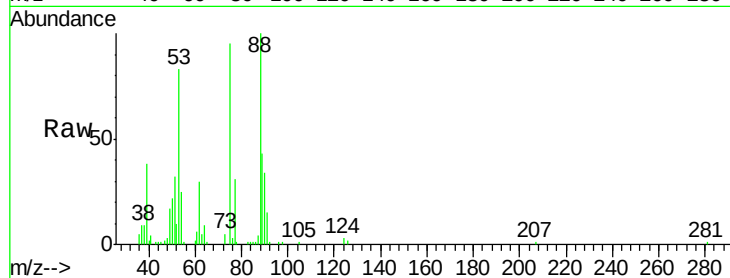
#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.462 ug/l  
RT: 12.29 min Scan# 3272  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 87.0  | 78.1  | 117.1 |
| 89      | 45.5  | 35.4  | 53.2  |

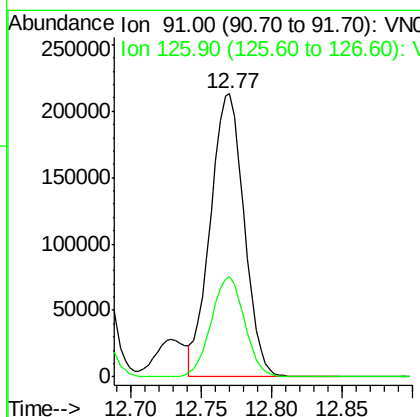
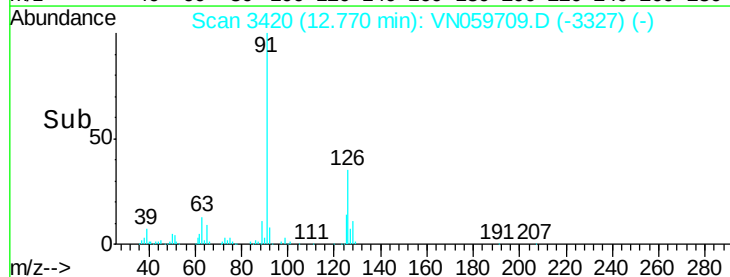
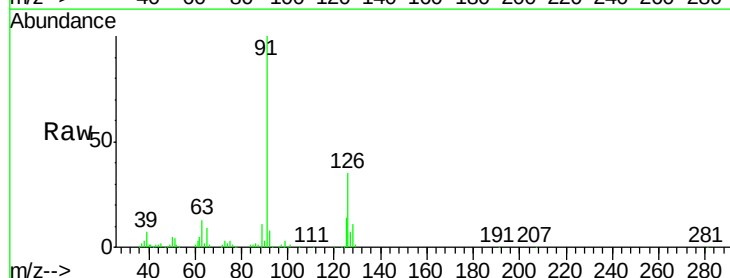
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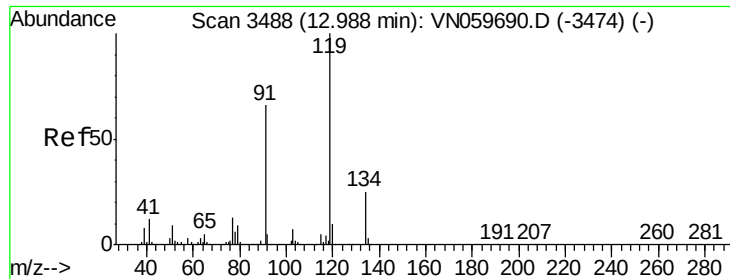
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#82  
4-Chlorotoluene  
Concen: 50.991 ug/l  
RT: 12.77 min Scan# 3420  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.2  | 16.3  | 48.8  |





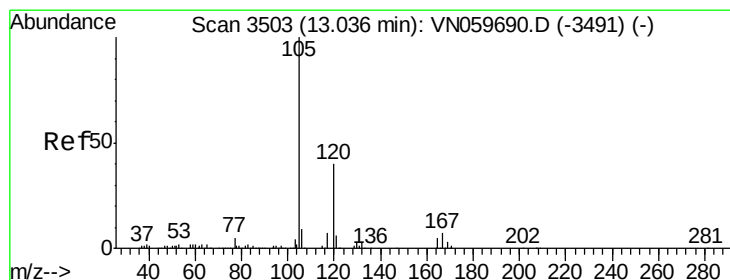
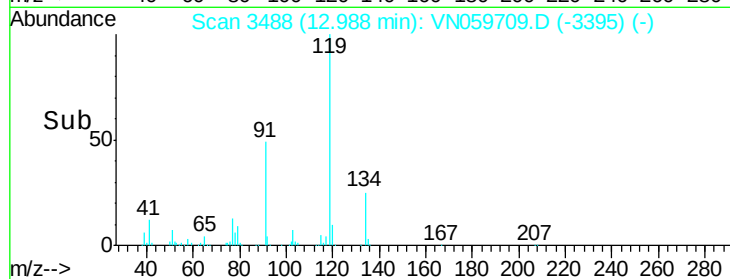
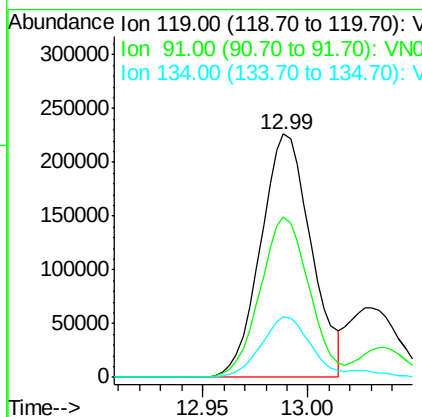
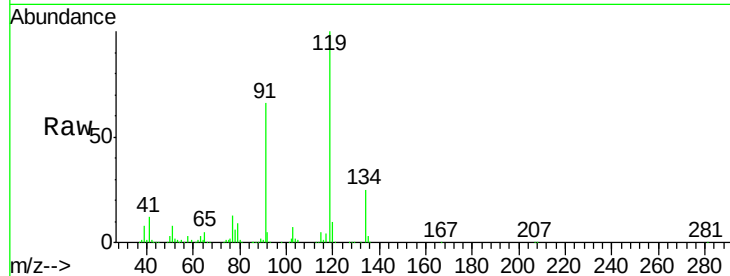
#83  
 tert-Butylbenzene  
 Concen: 50.196 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 64.3  | 34.8  | 104.4 |
| 134     | 24.5  | 12.3  | 36.9  |

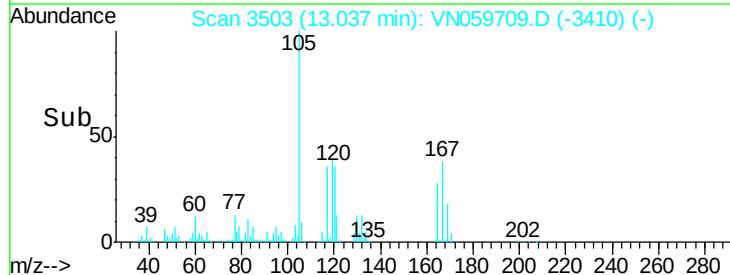
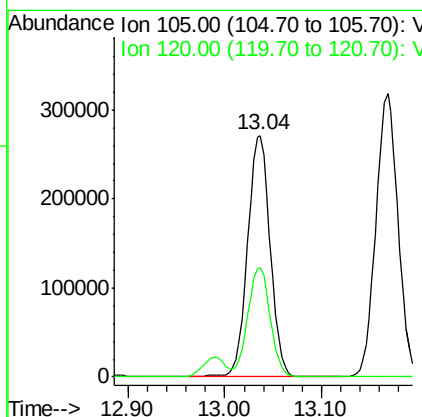
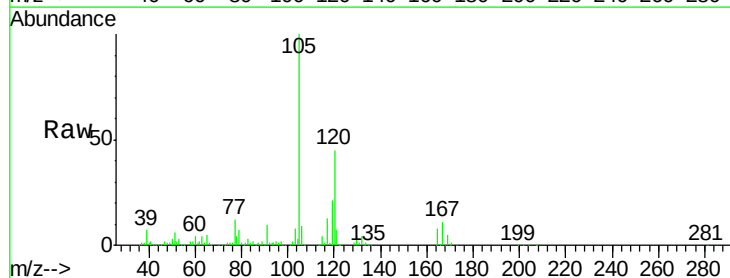
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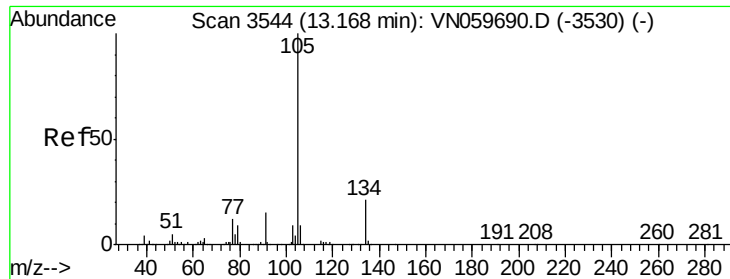
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.029 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.2  | 22.3  | 66.9  |





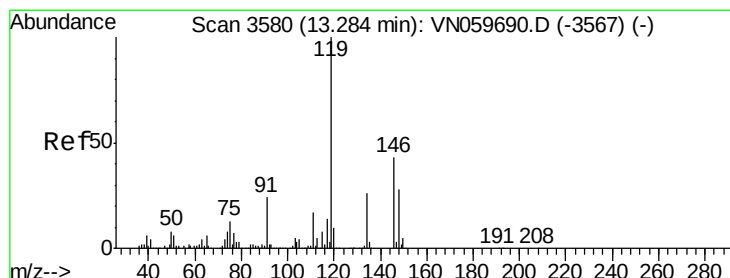
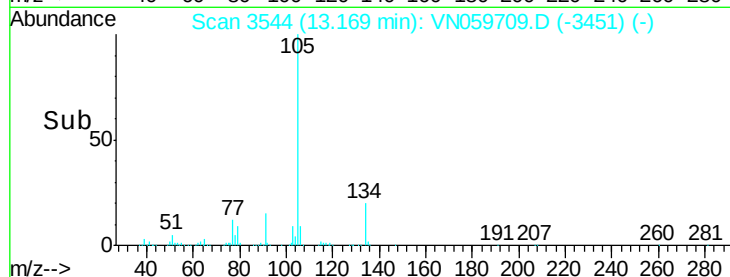
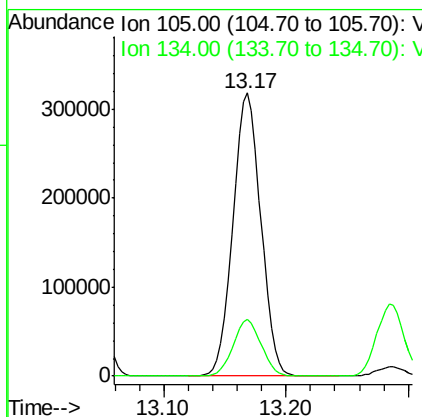
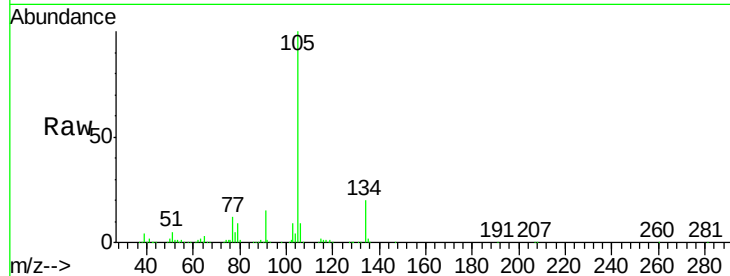
#85  
 sec-Butylbenzene  
 Concen: 51.056 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 503711 |       |       |
| 134     | 20.1  | 9.8    | 29.5  |       |

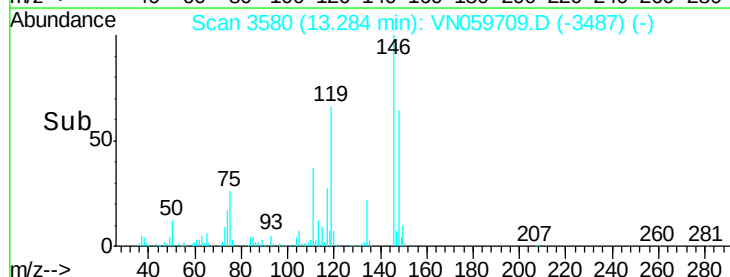
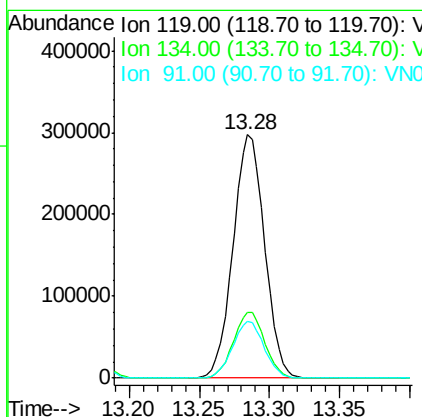
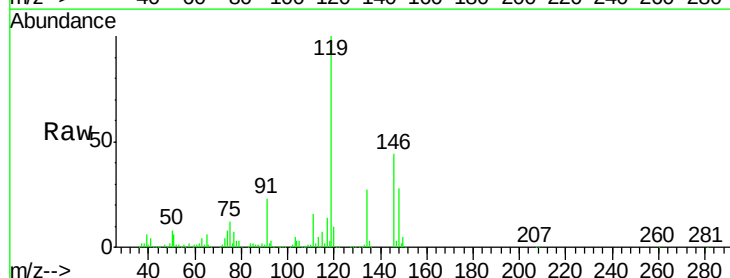
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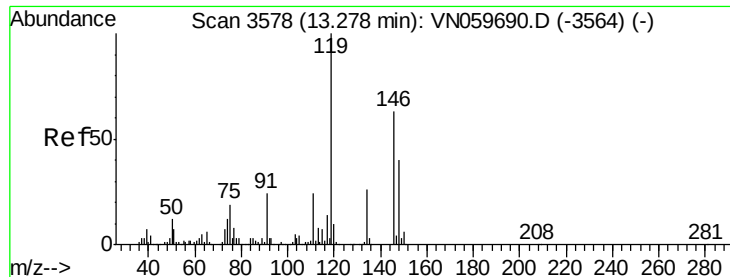


#86  
 p-Isopropyltoluene  
 Concen: 50.771 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 463488 |       |       |
| 134     | 27.2  | 12.9   | 38.7  |       |
| 91      | 23.6  | 12.4   | 37.4  |       |







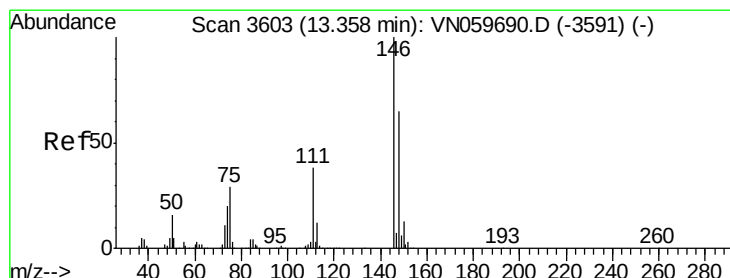
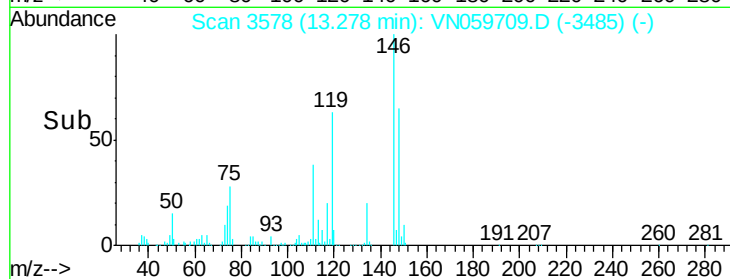
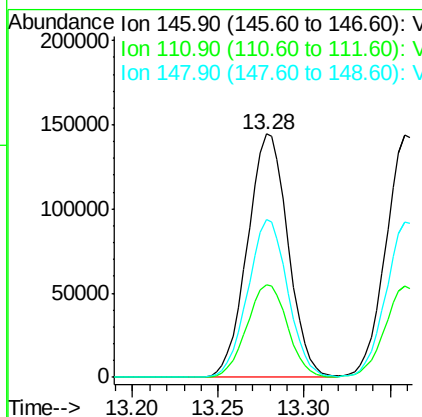
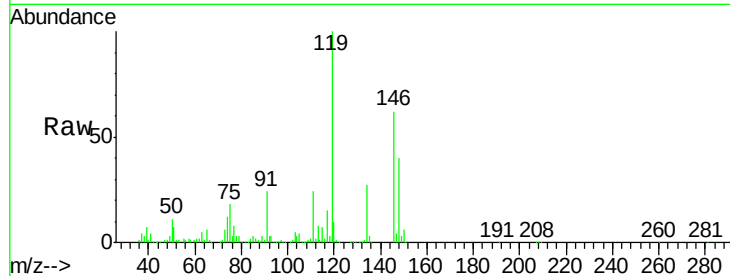
#87  
 1,3-Dichlorobenzene  
 Concen: 52.079 ug/l  
 RT: 13.28 min Scan# 3578  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 236510 |       |       |
| 111     | 38.2  | 20.8   | 62.2  |       |
| 148     | 64.0  | 32.0   | 96.0  |       |

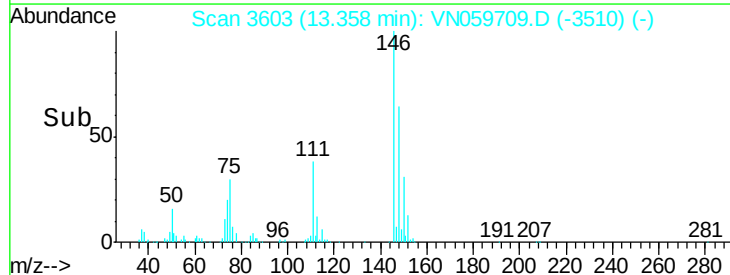
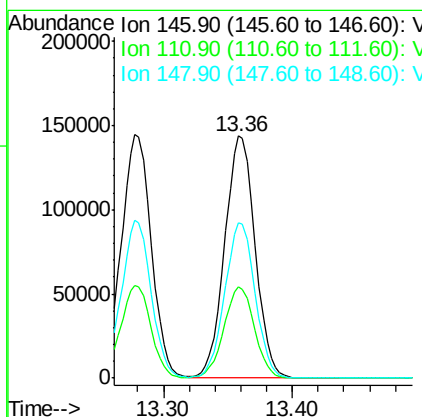
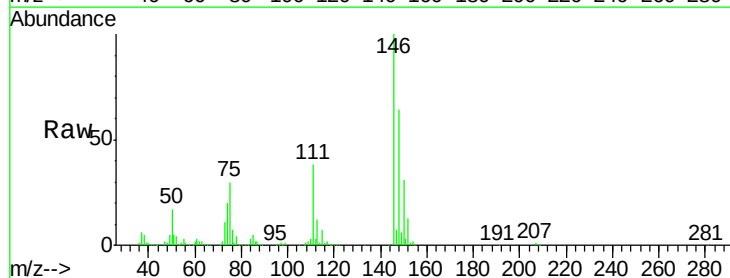
Manual Integrations  
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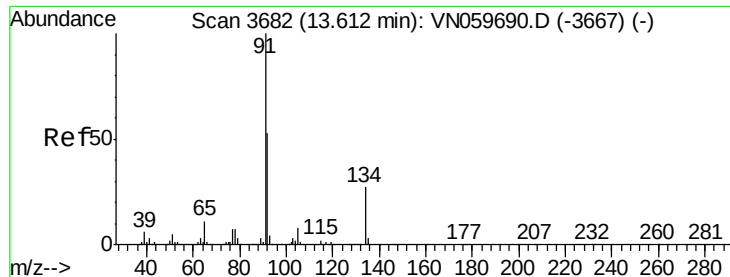
MMDadoda  
 1/16/2020 10:56:45 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 51.907 ug/l  
 RT: 13.36 min Scan# 3603  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 235164 |       |       |
| 111     | 37.6  | 20.8   | 62.2  |       |
| 148     | 64.1  | 31.8   | 95.4  |       |





#89

n-Butylbenzene

Concen: 52.701 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

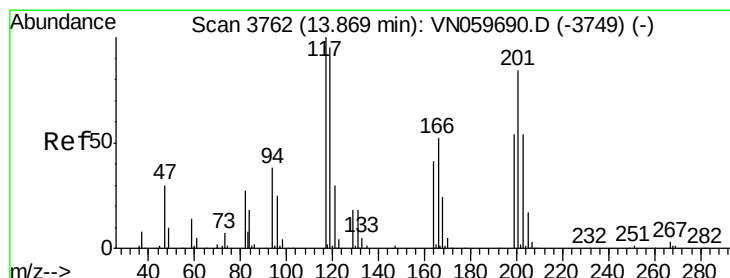
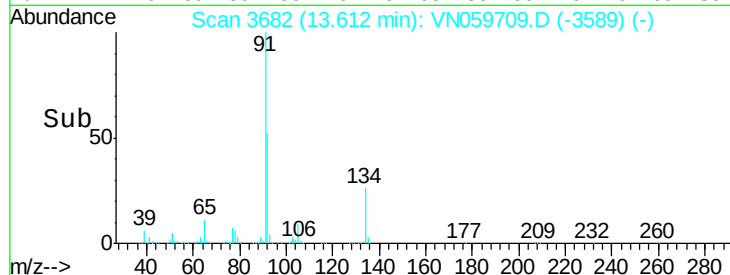
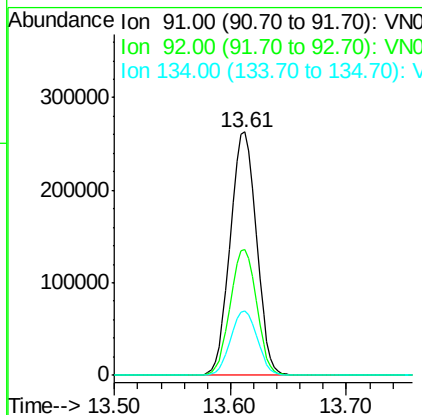
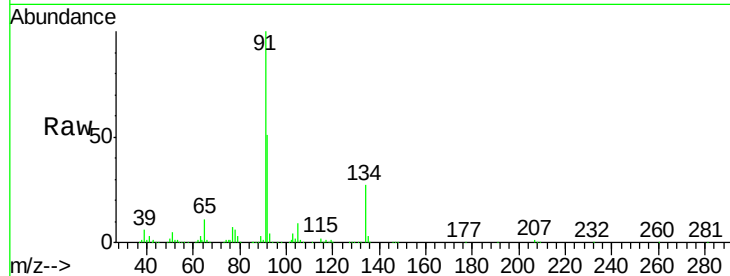
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 91    | Resp: | 410208 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 52.1  | 25.9  | 77.7   |
| 134      | 26.9  | 12.3  | 36.8   |

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#90

Hexachloroethane

Concen: 51.234 ug/l

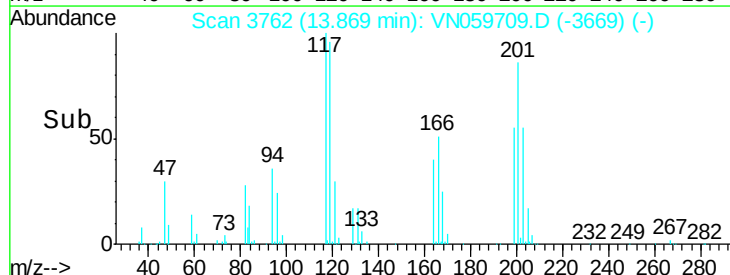
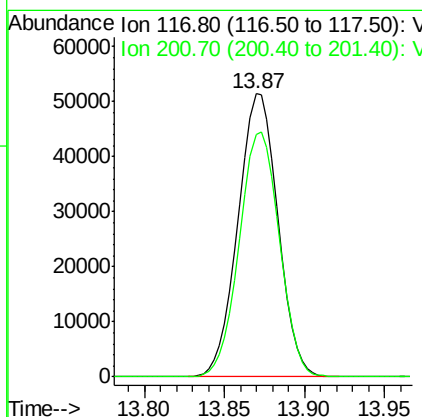
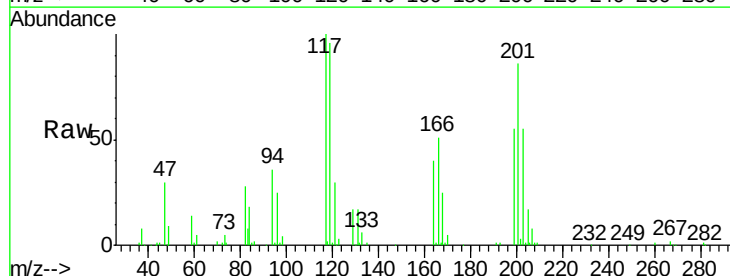
RT: 13.87 min Scan# 3762

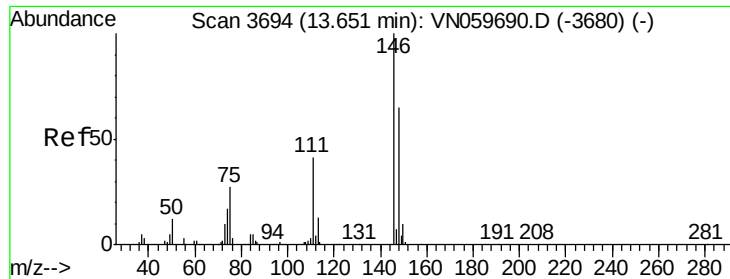
Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 87508 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 86.8  | 37.8  | 113.4 |





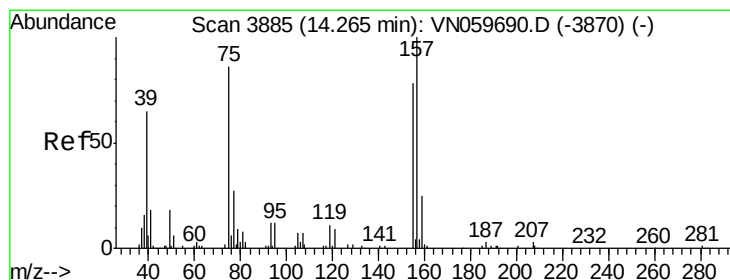
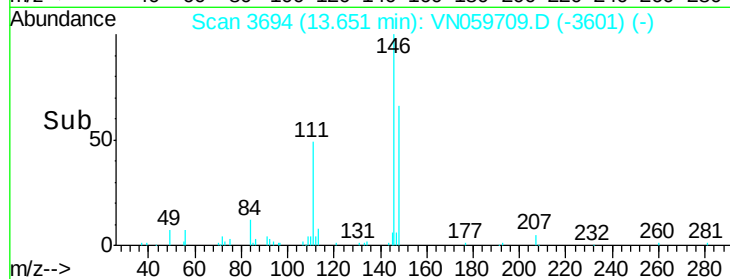
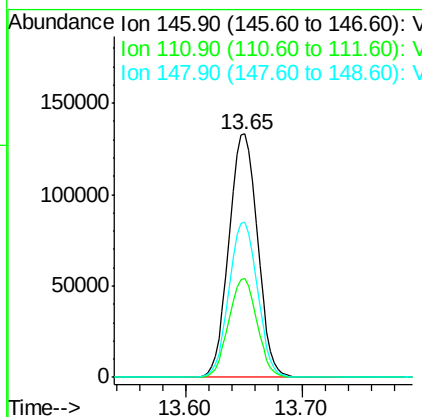
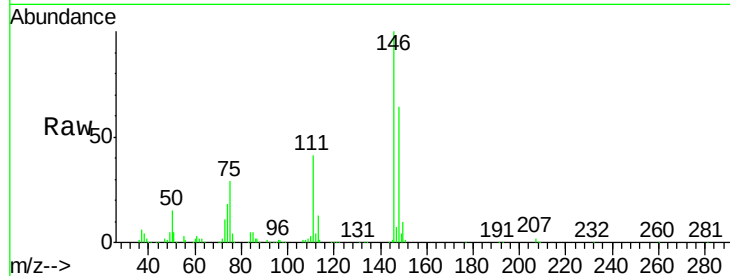
#91  
 1,2-Dichlorobenzene  
 Concen: 50.619 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 227261 |       |       |
| 111     | 39.9  | 21.6   | 64.8  |       |
| 148     | 63.3  | 31.6   | 95.0  |       |

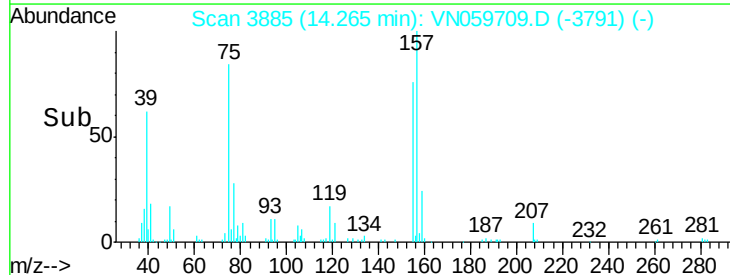
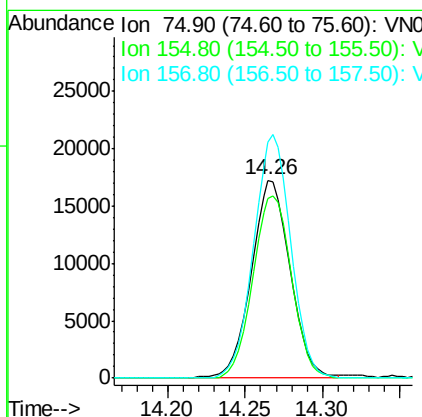
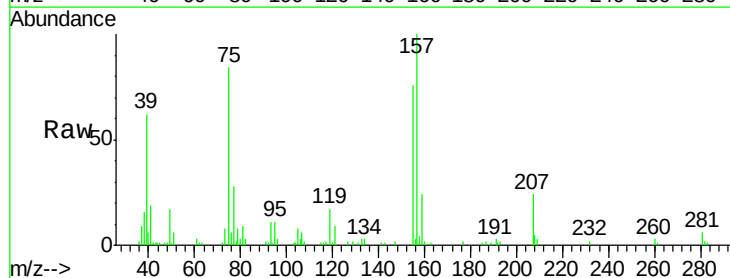
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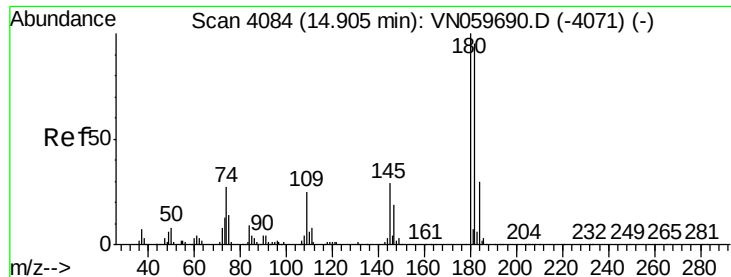
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.786 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. 0.00 min  
 Lab File: VN059709.D  
 Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 30141 |       |       |
| 155     | 91.2  | 37.0  | 110.9 |       |
| 157     | 117.7 | 48.4  | 145.2 |       |





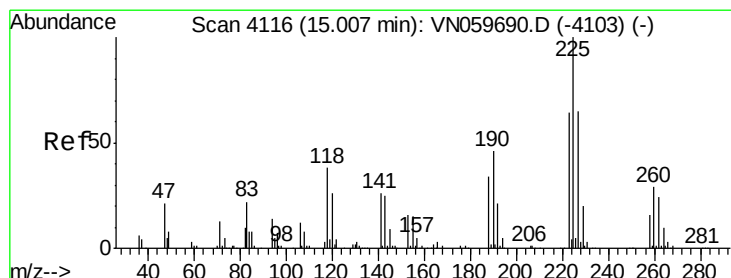
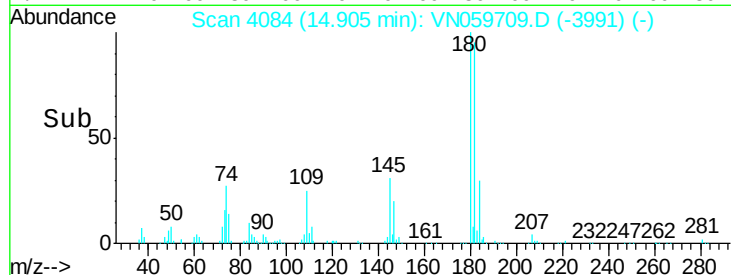
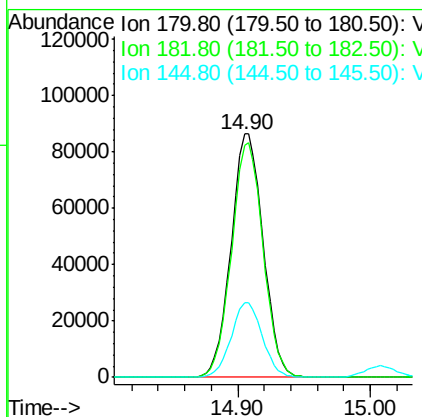
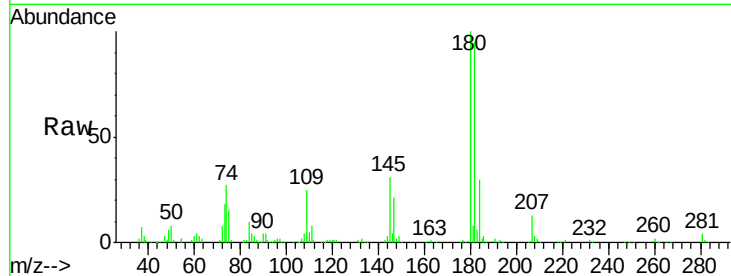
#93  
1,2,4-Trichlorobenzene  
Concen: 53.709 ug/l  
RT: 14.90 min Scan# 4084  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 144895 |       |       |
| 182     | 95.0  | 46.9   | 140.7 |       |
| 145     | 30.2  | 15.0   | 45.1  |       |

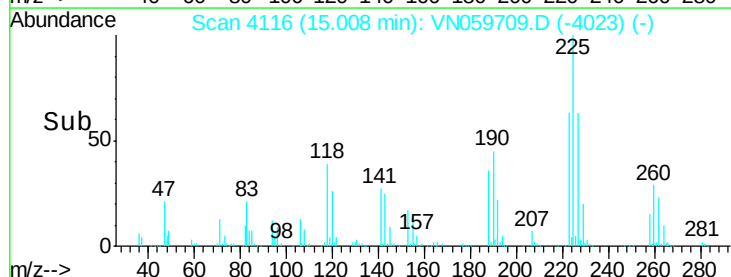
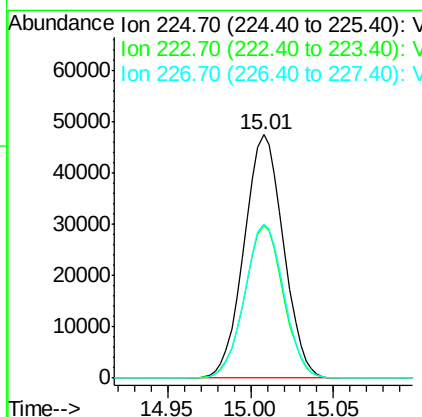
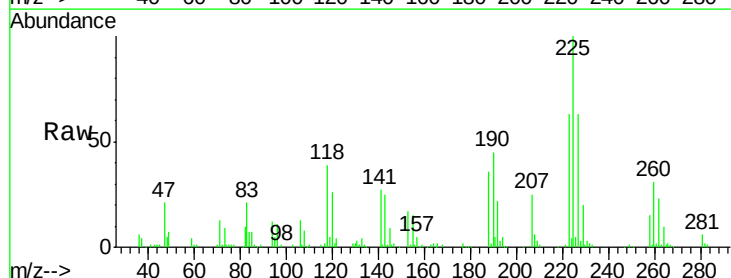
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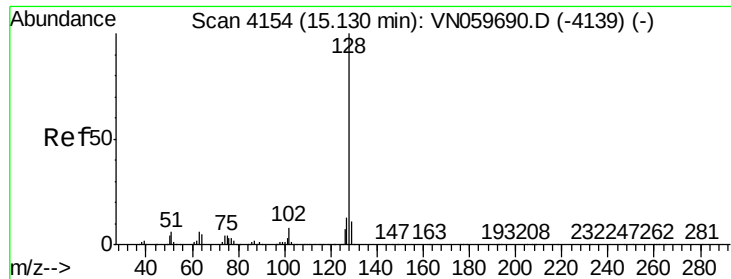
MMDadoda  
1/16/2020 10:56:45 AM



#94  
Hexachlorobutadiene  
Concen: 52.704 ug/l  
RT: 15.01 min Scan# 4116  
Delta R.T. 0.00 min  
Lab File: VN059709.D  
Acq: 15 Jan 2020 9:47

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 78351 |       |       |
| 223     | 61.9  | 31.8  | 95.3  |       |
| 227     | 62.9  | 32.1  | 96.5  |       |





#95

Naphthalene

Concen: 49.682 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

Instrument :

MSVOA\_N

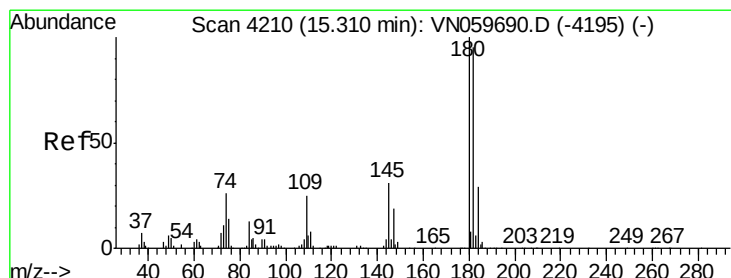
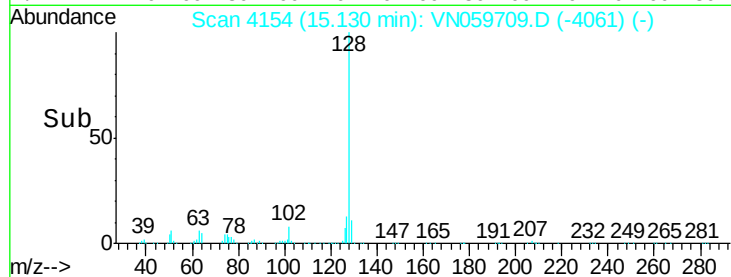
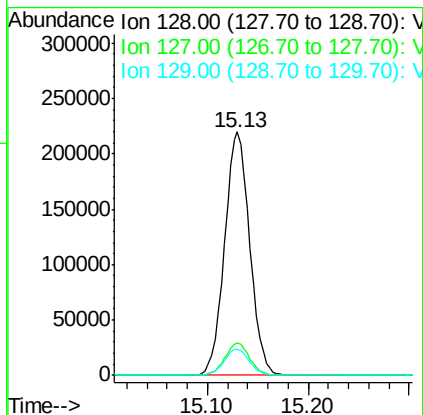
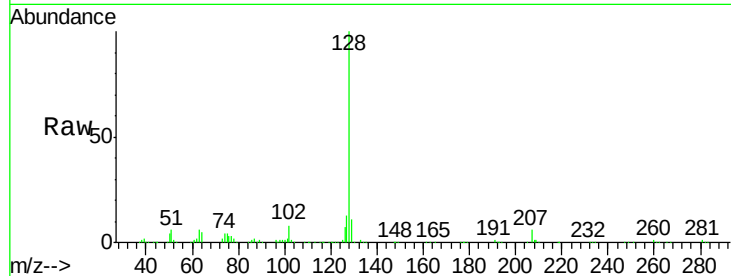
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 381234 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.0  | 10.4  | 15.6   |
| 129       | 10.9  | 8.6   | 12.8   |

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#96

1,2,3-Trichlorobenzene

Concen: 51.202 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059709.D

Acq: 15 Jan 2020 9:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 134452 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.4  | 47.4  | 142.3  |
| 145       | 31.8  | 16.3  | 48.9   |

