

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\  
 Data File : VN060368.D  
 Acq On : 5 Mar 2020 16:28  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/6/2020 11:18:20 AM

Quant Time: Mar 06 01:31:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 193880   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 323770   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 297747   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 143357   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 124113   | 49.89 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.78%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 83777    | 55.75 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.50% |          |
| 50) Toluene-d8              | 10.08 | 98   | 363689   | 47.82 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.64%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 138645   | 48.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.18%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85   | 79098    | 44.498  | ug/l  | 100    |
| 3) Chloromethane              | 2.04 | 50   | 139962   | 45.225  | ug/l  | 100    |
| 4) Vinyl Chloride             | 2.16 | 62   | 117921   | 44.429  | ug/l  | 100    |
| 5) Bromomethane               | 2.55 | 94   | 41983    | 38.757  | ug/l  | 98     |
| 6) Chloroethane               | 2.69 | 64   | 63757    | 44.336  | ug/l  | 97     |
| 7) Trichlorofluoromethane     | 3.00 | 101  | 153537   | 45.277  | ug/l  | 99     |
| 8) Diethyl Ether              | 3.38 | 74   | 59475    | 46.452  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101  | 88283    | 46.001  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.93 | 142  | 81728    | 46.661  | ug/l  | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59   | 41645    | 112.748 | ug/l  | 100    |
| 12) 1,1-Dichloroethene        | 3.72 | 96   | 87220    | 46.821  | ug/l  | 99     |
| 13) Acrolein                  | 3.58 | 56   | 93583    | 271.584 | ug/l  | 98     |
| 14) Allyl chloride            | 4.30 | 41   | 150977   | 43.961  | ug/l  | 93     |
| 15) Acrylonitrile             | 4.94 | 53   | 233203   | 239.534 | ug/l  | 99     |
| 16) Acetone                   | 3.78 | 43   | 174833   | 217.646 | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.03 | 76   | 223555   | 45.159  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.29 | 43   | 119487   | 44.573  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 5.00 | 73   | 325718   | 48.164  | ug/l  | 98     |
| 20) Methylene Chloride        | 4.52 | 84   | 100894   | 45.734  | ug/l  | 97     |
| 21) trans-1,2-Dichloroethene  | 5.01 | 96   | 94661    | 47.278  | ug/l  | 96     |
| 22) Diisopropyl ether         | 5.92 | 45   | 348507   | 50.097  | ug/l  | 99     |
| 23) Vinyl Acetate             | 5.86 | 43   | 1371888  | 248.175 | ug/l  | 98     |
| 24) 1,1-Dichloroethane        | 5.82 | 63   | 194319   | 49.346  | ug/l  | 99     |
| 25) 2-Butanone                | 6.80 | 43   | 291931   | 224.994 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 6.80 | 77   | 174203   | 48.593  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 6.80 | 96   | 116515   | 45.548  | ug/l  | 99     |
| 28) Bromochloromethane        | 7.17 | 49   | 81397    | 50.344  | ug/l  | 98     |
| 29) Tetrahydrofuran           | 7.18 | 42   | 197733   | 219.153 | ug/l  | 100    |
| 30) Chloroform                | 7.35 | 83   | 191748   | 48.915  | ug/l  | 100    |
| 31) Cyclohexane               | 7.63 | 56   | 163619   | 48.654  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97   | 169502   | 48.803  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.77 | 75   | 140471   | 45.523  | ug/l  | 100    |
| 37) Ethyl Acetate             | 6.90 | 43   | 136601   | 46.753  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 7.75 | 117  | 139916   | 46.572  | ug/l  | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\  
 Data File : VN060368.D  
 Acq On : 5 Mar 2020 16:28  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/6/2020 11:18:20 AM

Quant Time: Mar 06 01:31:12 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 27 13:52:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 9.07  | 83   | 155818   | 42.829  | ug/l   | 98       |
| 40) Benzene                    | 8.02  | 78   | 424098   | 47.221  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.15  | 41   | 65132m   | 48.279  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.10  | 62   | 154979   | 47.820  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.14  | 43   | 247643   | 48.415  | ug/l   | 99       |
| 44) Trichloroethene            | 8.82  | 130  | 116198   | 46.455  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.10  | 63   | 117567   | 50.068  | ug/l   | 98       |
| 46) Dibromomethane             | 9.19  | 93   | 72073    | 47.304  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.39  | 83   | 155163   | 50.072  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.18  | 41   | 109747   | 47.051  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.18  | 88   | 11968    | 364.860 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.97  | 43   | 693904   | 239.266 | ug/l   | 100      |
| 52) Toluene                    | 10.14 | 92   | 263555   | 46.716  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.37 | 75   | 177363   | 46.711  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.82  | 75   | 186806   | 47.478  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.55 | 97   | 106408   | 46.902  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.42 | 69   | 163472   | 50.154  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 178702   | 48.300  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.68  | 63   | 412019   | 241.700 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.74 | 43   | 486315   | 228.386 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.89 | 129  | 113863   | 49.351  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.99 | 107  | 106838   | 48.308  | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.62 | 164  | 120594   | 51.483  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 277087   | 46.087  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.50 | 131  | 106622   | 47.963  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.50 | 91   | 516346   | 47.160  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 384168   | 92.999  | ug/l   | 100      |
| 69) o-Xylene                   | 11.94 | 106  | 186412   | 47.323  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 311372   | 48.077  | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 80705    | 50.373  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.24 | 105  | 502794   | 47.320  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.06 | 43   | 219097   | 47.188  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 143436   | 49.662  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 134669m  | 42.816  | ug/l   |          |
| 77) Bromobenzene               | 12.52 | 156  | 121630   | 46.699  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 585079   | 46.976  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 345223   | 47.153  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 420664   | 47.022  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.29 | 75   | 55658    | 48.849  | ug/l # | 84       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 356706   | 46.244  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 348490   | 44.992  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 425294   | 47.099  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 464976   | 44.829  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.28 | 119  | 425565   | 44.329  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 218665   | 48.854  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 218461   | 49.085  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 381150   | 43.250  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 55990    | 40.293  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 212919   | 46.653  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.26 | 75   | 29617    | 45.282  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\  
Data File : VN060368.D  
Acq On : 5 Mar 2020 16:28  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM

Quant Time: Mar 06 01:31:12 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 27 13:52:50 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180  | 134341   | 46.332 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 58461    | 43.784 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 396976   | 46.456 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 125260   | 45.849 | ug/l  | 100      |

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

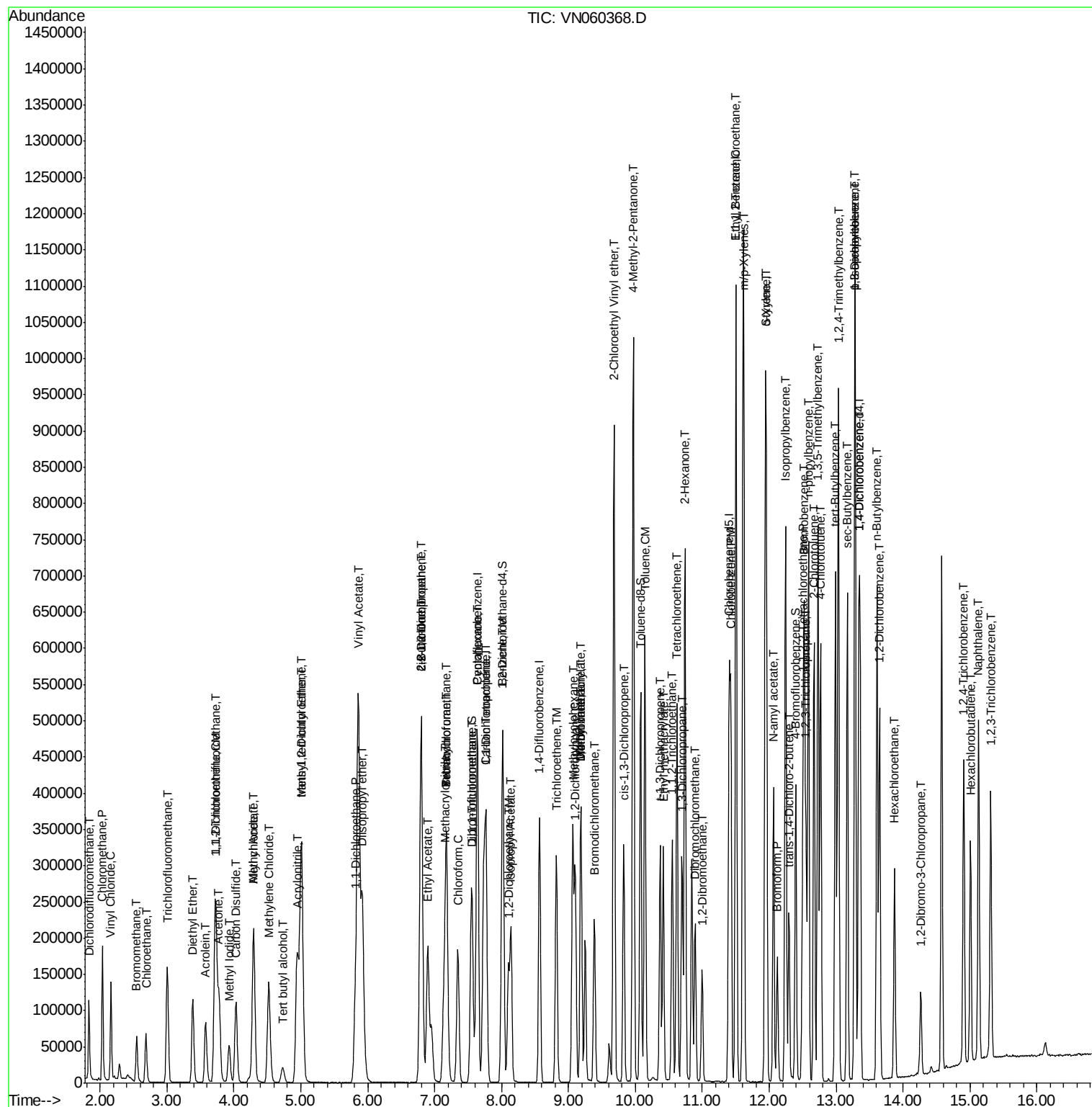
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030520\  
Data File : VN060368.D  
Acq On : 5 Mar 2020 16:28  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 14 Sample Multiplier: 1

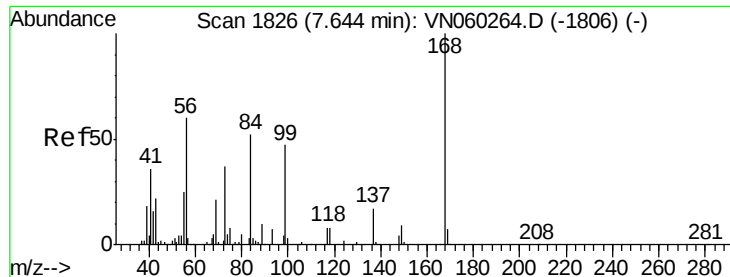
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM

Quant Time: Mar 06 01:31:12 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N022720W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 27 13:52:50 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 193880

Ion Ratio Lower Upper

168 100

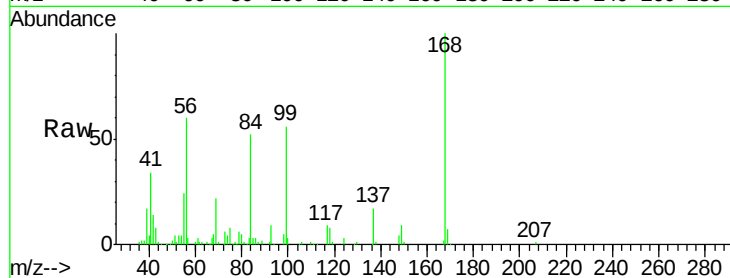
99 56.0 44.7 67.1

Manual Integrations

APPROVED

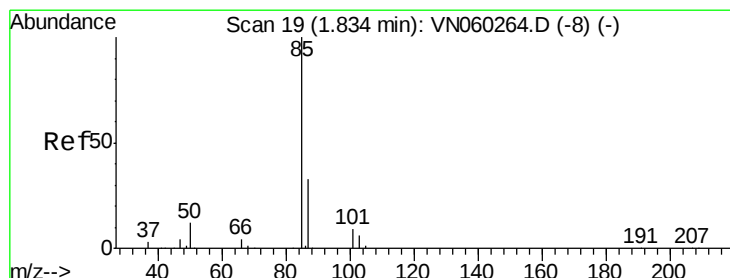
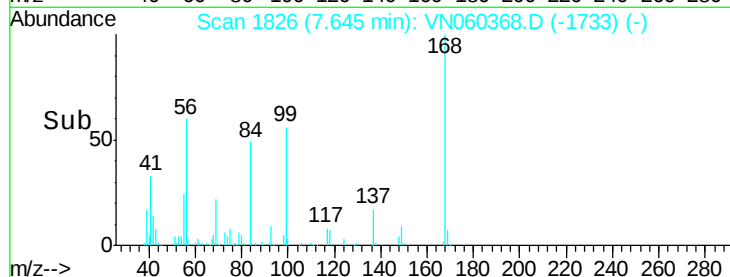
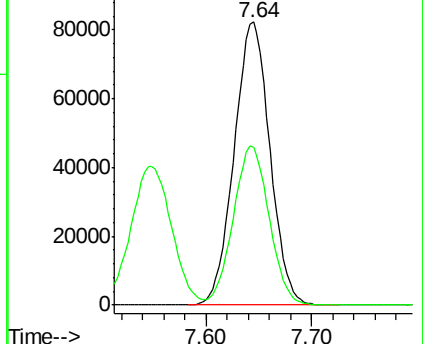
MMDadoda

3/6/2020 11:18:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.498 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060368.D

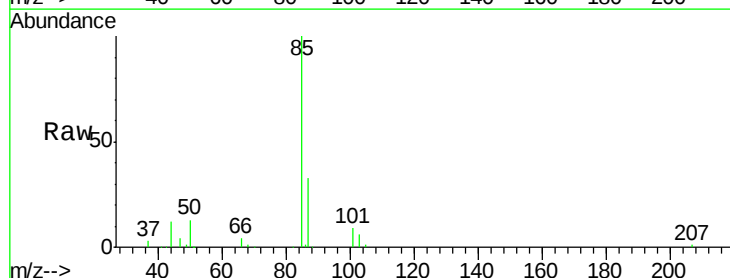
Acq: 5 Mar 2020 16:28

Tgt Ion: 85 Resp: 79098

Ion Ratio Lower Upper

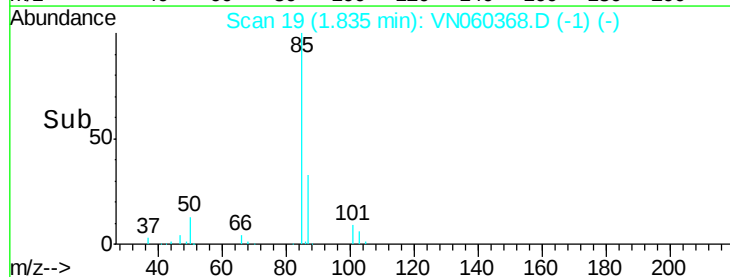
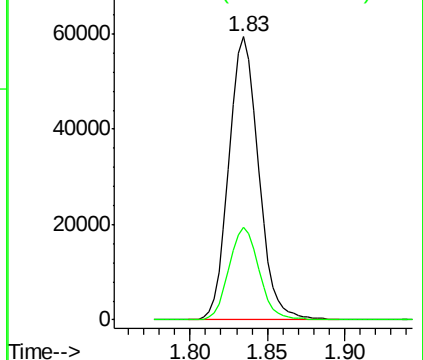
85 100

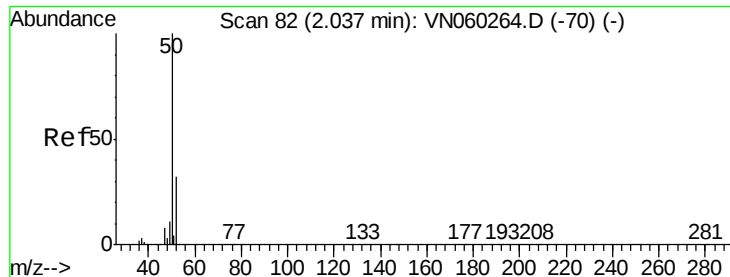
87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.225 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 139962

Ion Ratio Lower Upper

50 100

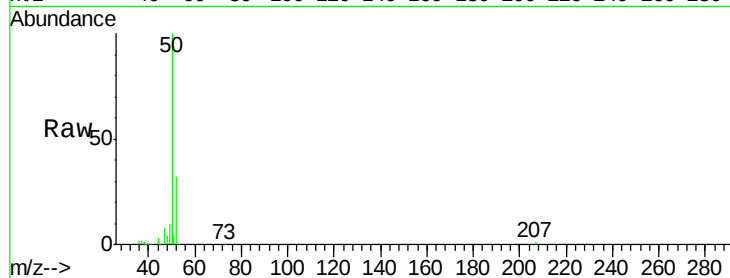
52 32.2 25.6 38.4

Manual Integrations

APPROVED

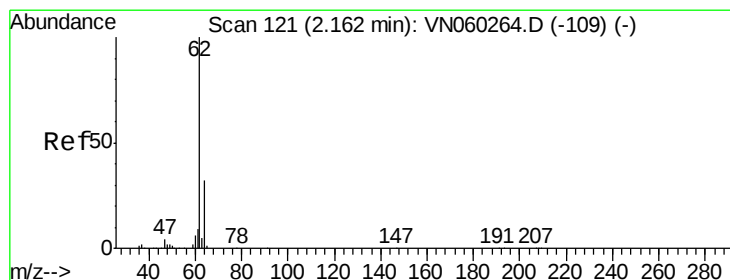
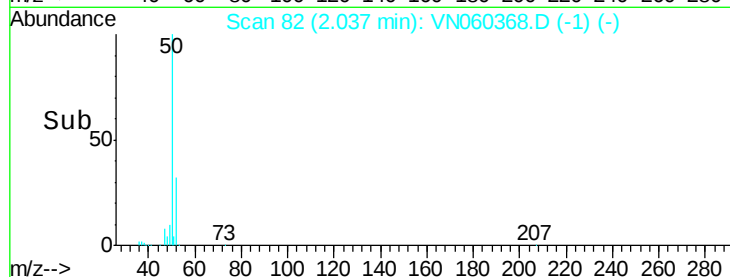
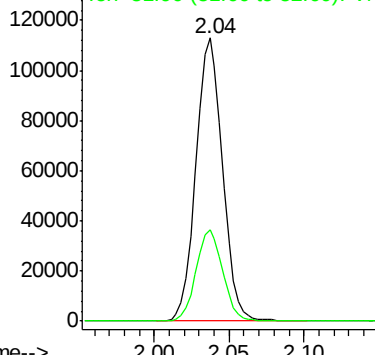
MMDadoda

3/6/2020 11:18:20 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.429 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060368.D

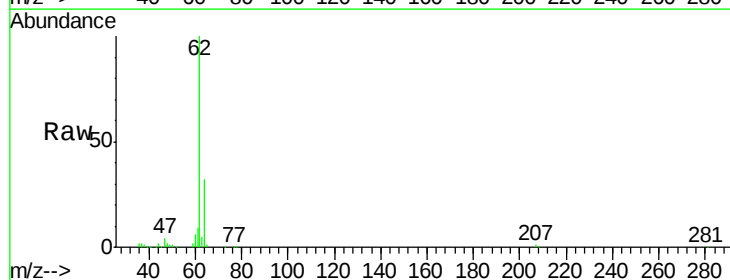
Acq: 5 Mar 2020 16:28

Tgt Ion: 62 Resp: 117921

Ion Ratio Lower Upper

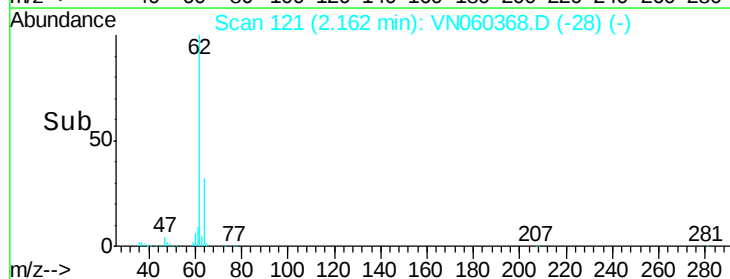
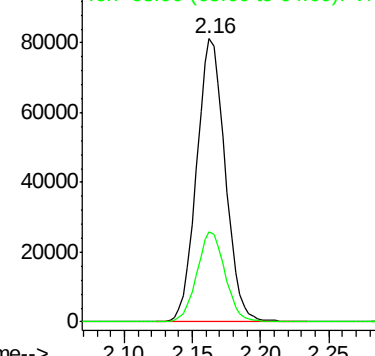
62 100

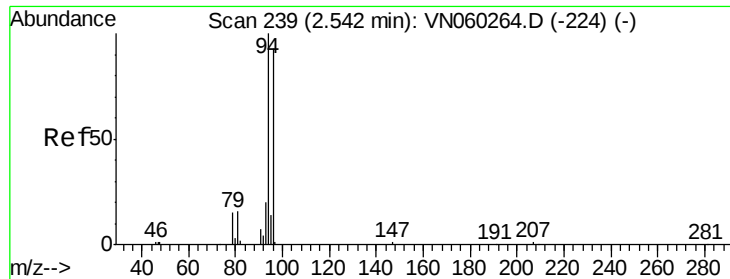
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 38.757 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 41983

Ion Ratio Lower Upper

94 100

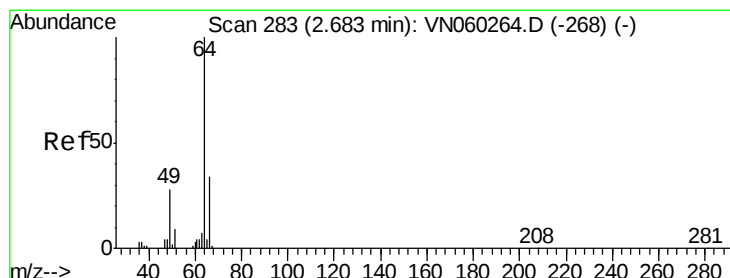
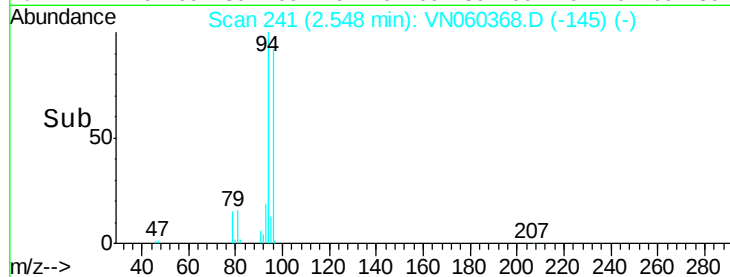
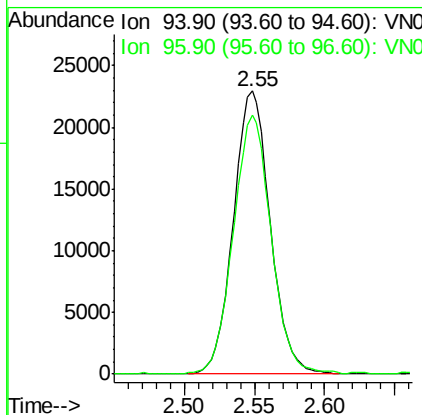
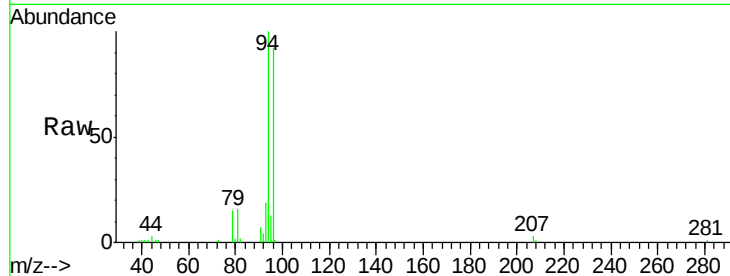
96 91.0 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:18:20 AM



#6

Chloroethane

Concen: 44.336 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060368.D

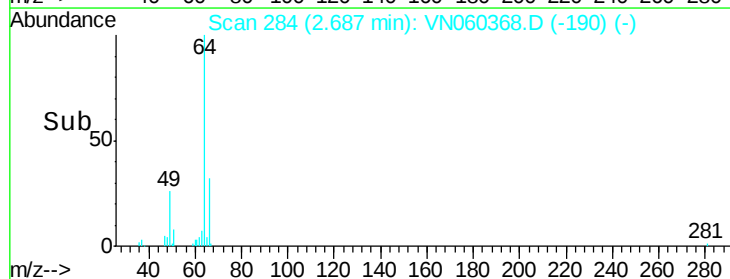
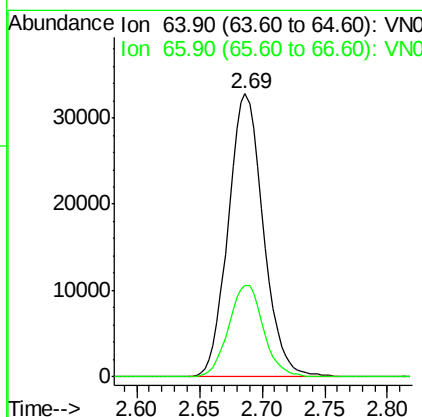
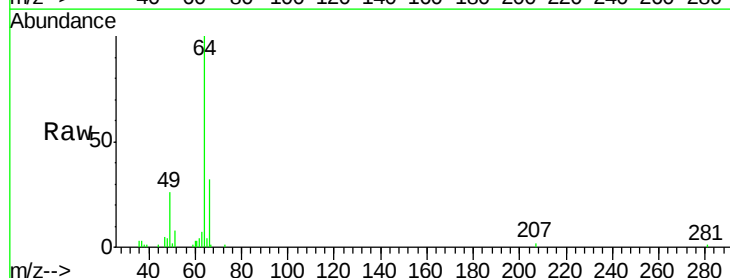
Acq: 5 Mar 2020 16:28

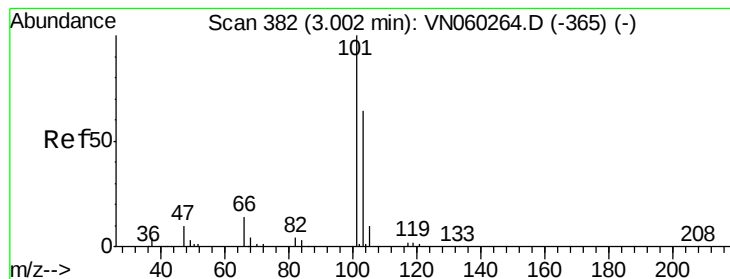
Tgt Ion: 64 Resp: 63757

Ion Ratio Lower Upper

64 100

66 32.3 27.4 41.2





#7

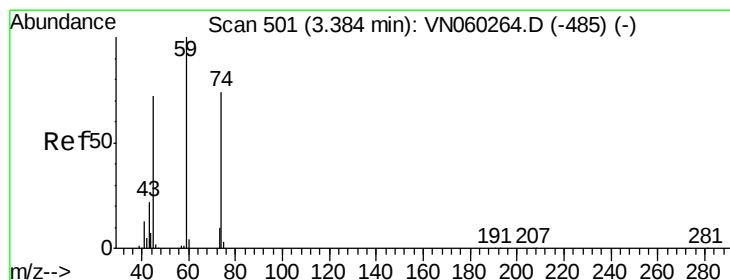
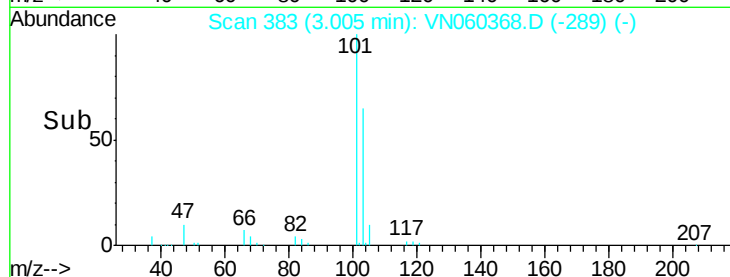
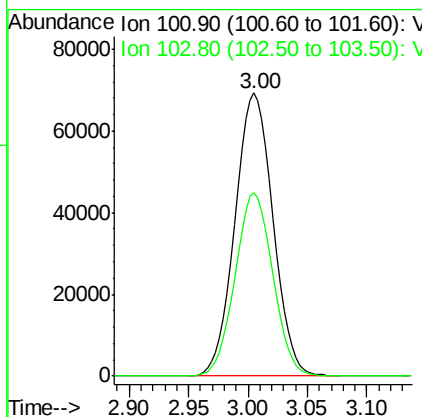
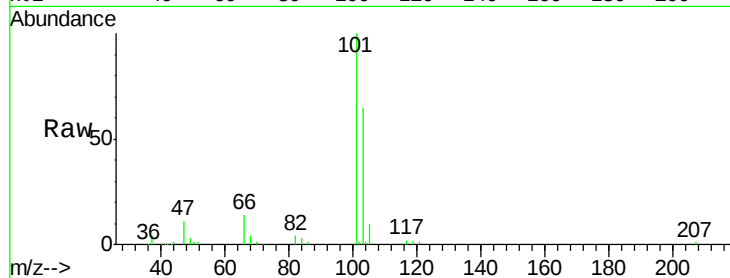
Trichlorofluoromethane  
Concen: 45.277 ug/l  
RT: 3.00 min Scan# 383  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.0  | 51.3  | 76.9  |

Manual Integrations  
APPROVED

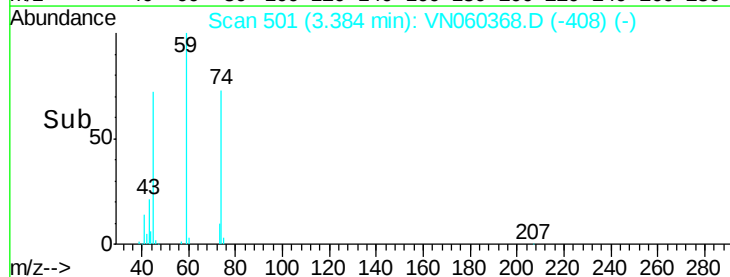
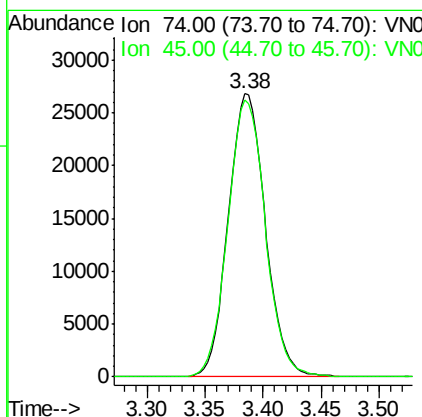
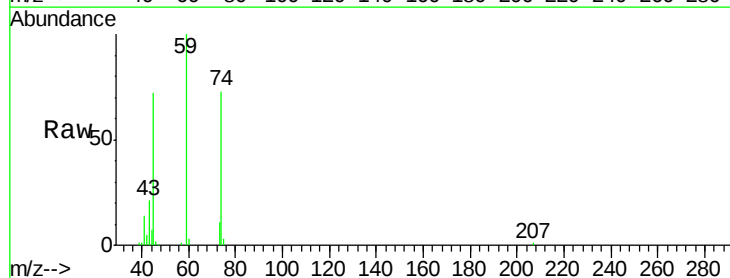
MMDadoda  
3/6/2020 11:18:20 AM

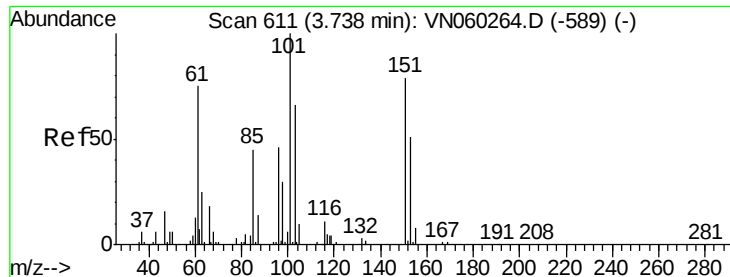


#8

Diethyl Ether  
Concen: 46.452 ug/l  
RT: 3.38 min Scan# 501  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.0  | 49.5  | 148.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.001 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

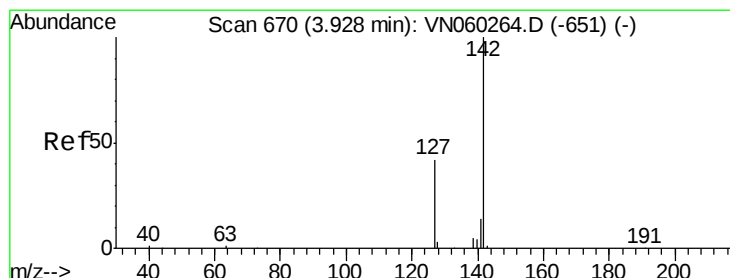
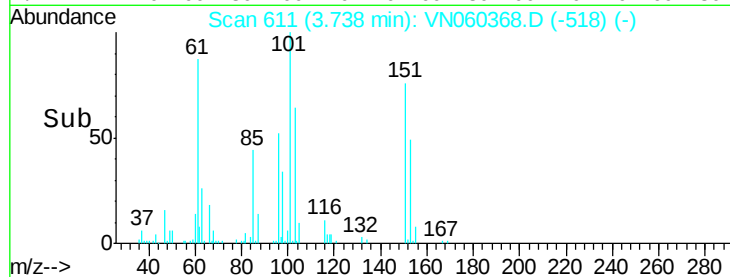
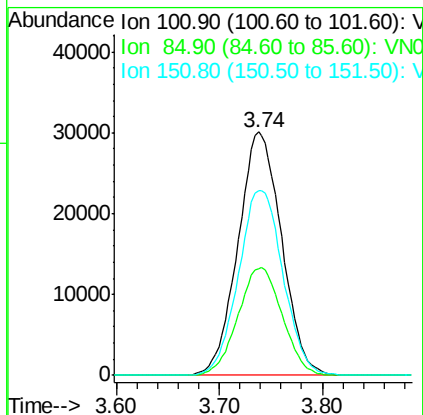
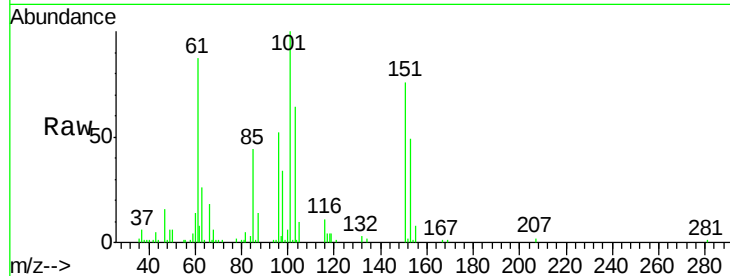
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 88283 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.8  | 35.4  | 53.2  |
| 151       | 77.9  | 62.0  | 93.0  |

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



#10

Methyl Iodide

Concen: 46.661 ug/l

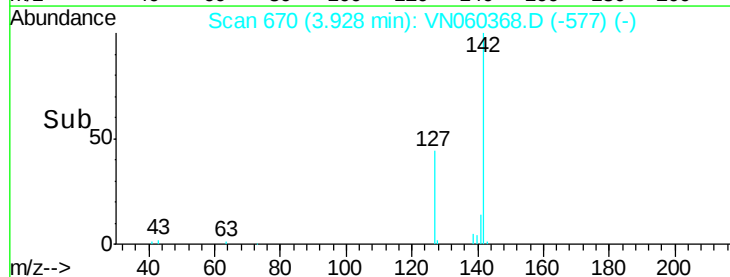
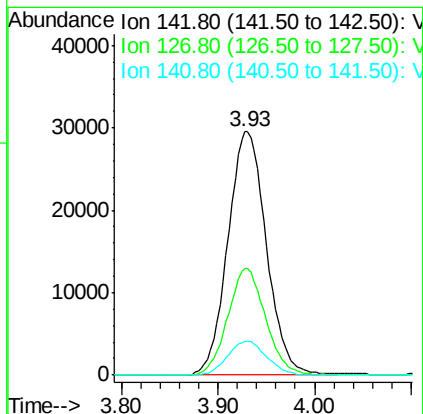
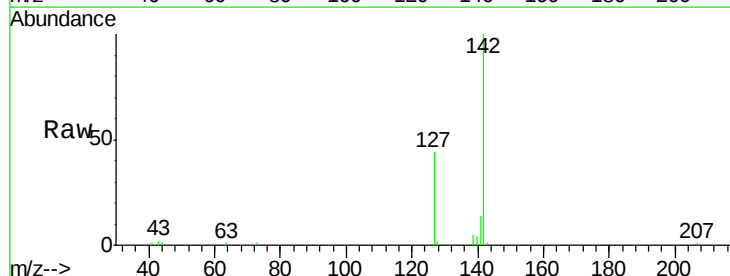
RT: 3.93 min Scan# 670

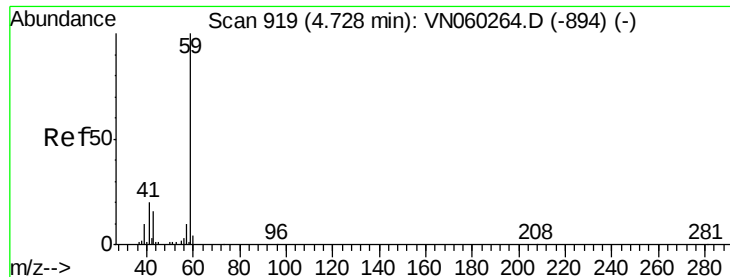
Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 81728 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 42.9  | 33.8  | 50.6  |
| 141       | 14.0  | 11.1  | 16.7  |





#11

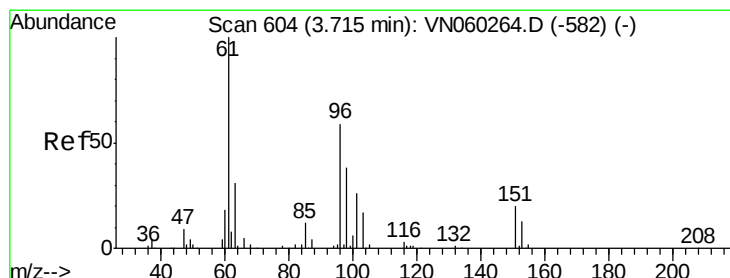
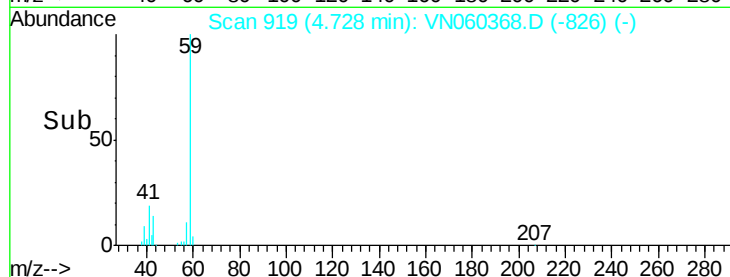
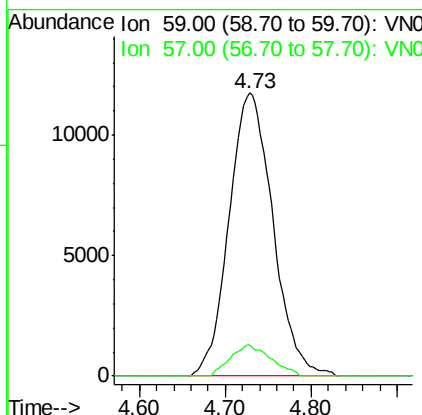
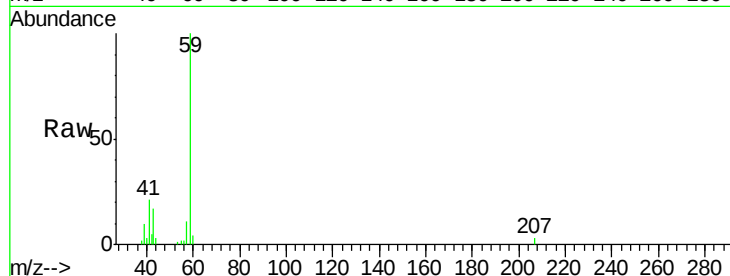
Tert butyl alcohol  
 Concen: 112.748 ug/l  
 RT: 4.73 min Scan# 919  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.2  | 8.2   | 12.2  |

Manual Integrations  
 APPROVED

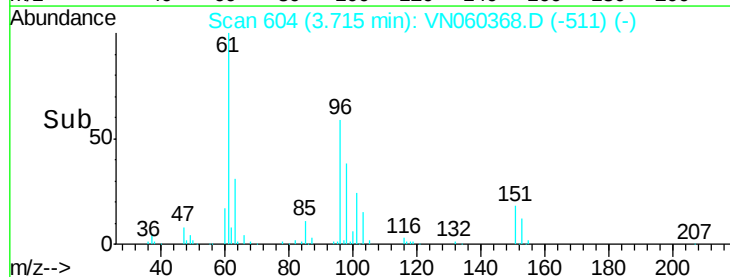
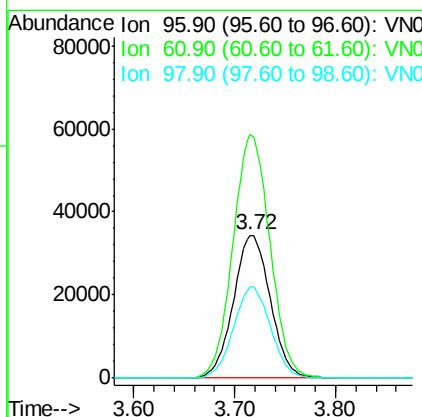
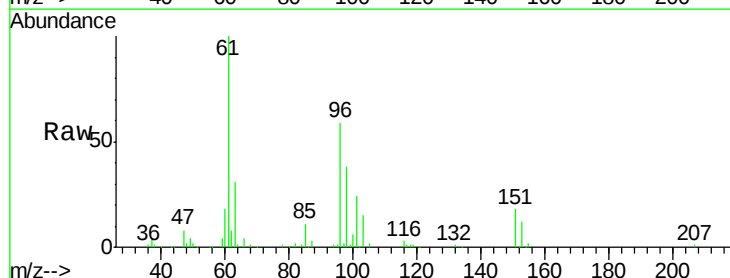
MMDadoda  
 3/6/2020 11:18:20 AM

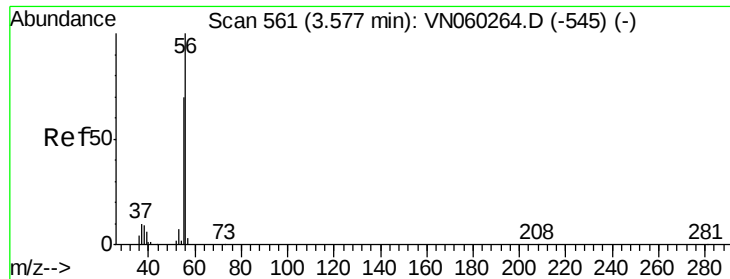


#12

1,1-Dichloroethene  
 Concen: 46.821 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 170.5 | 135.4 | 203.0 |
| 98      | 64.2  | 51.6  | 77.4  |





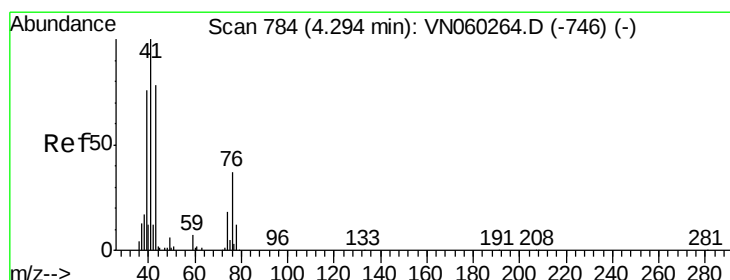
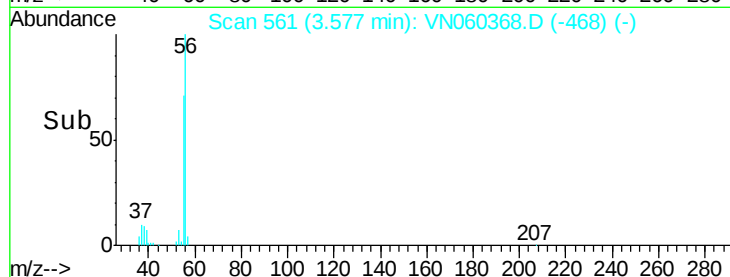
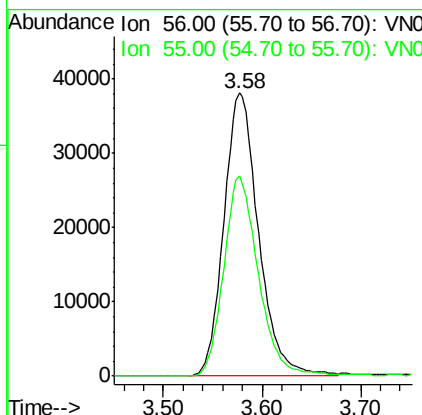
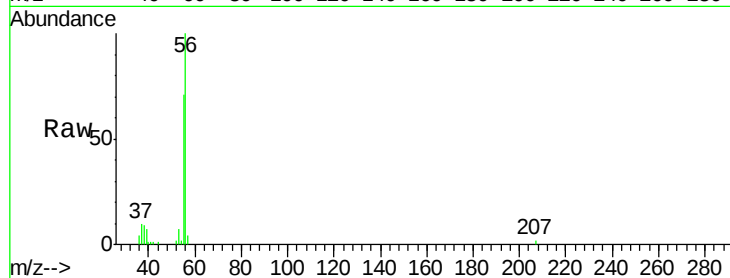
#13  
Acrolein  
Concen: 271.584 ug/l  
RT: 3.58 min Scan# 561  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 56   | Resp  | 93583 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 70.5 | 57.4  | 86.0  |

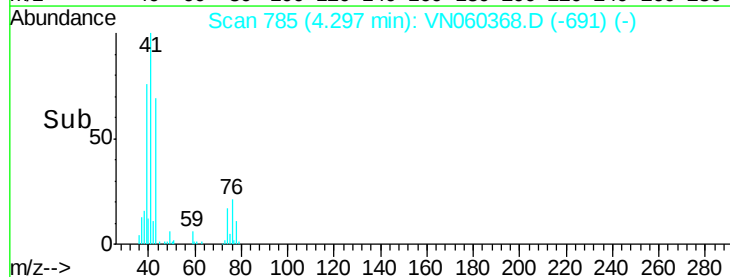
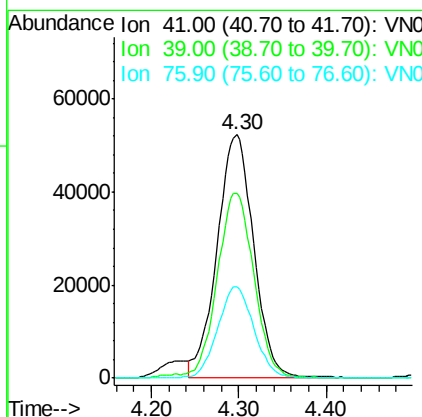
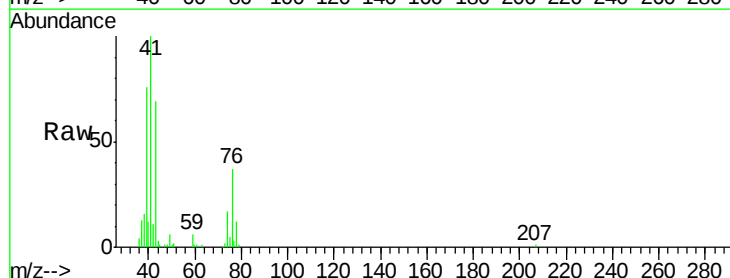
Manual Integrations  
APPROVED

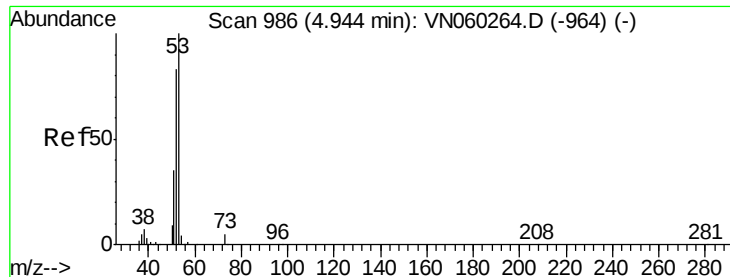
MMDadoda  
3/6/2020 11:18:20 AM



#14  
Allyl chloride  
Concen: 43.961 ug/l  
RT: 4.30 min Scan# 785  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion   | 41   | Resp  | 150977 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 75.9 | 55.4  | 83.2   |
| 76        | 37.1 | 27.0  | 40.6   |





#15

Acrylonitrile

Concen: 239.534 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

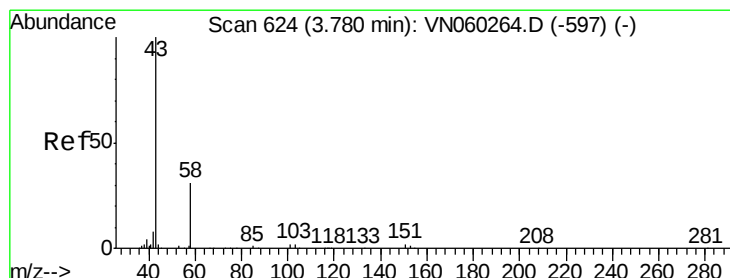
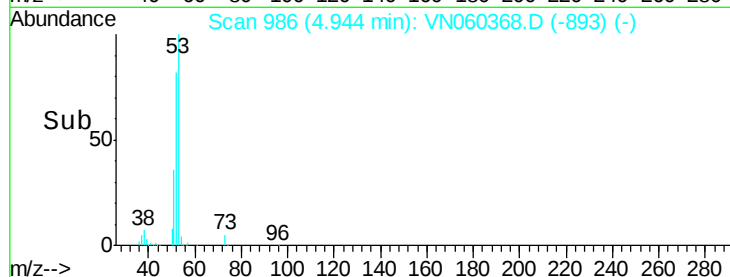
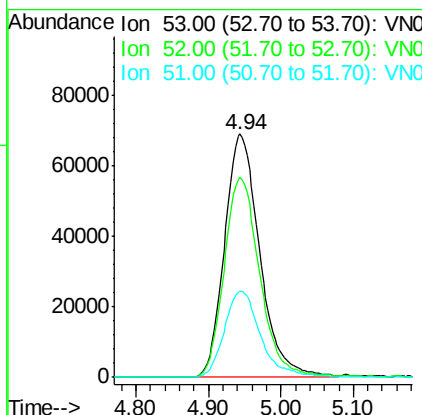
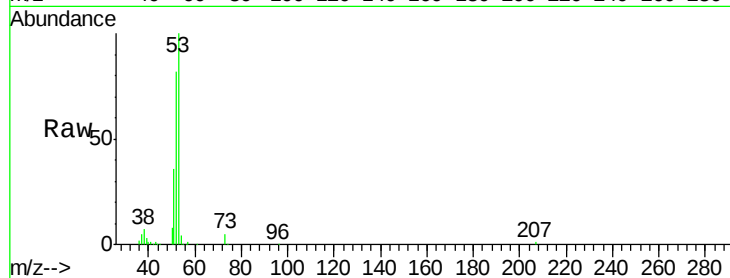
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 233203 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 82.4  | 66.8  | 100.2  |
| 51       | 36.6  | 29.0  | 43.6   |

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



#16

Acetone

Concen: 217.646 ug/l

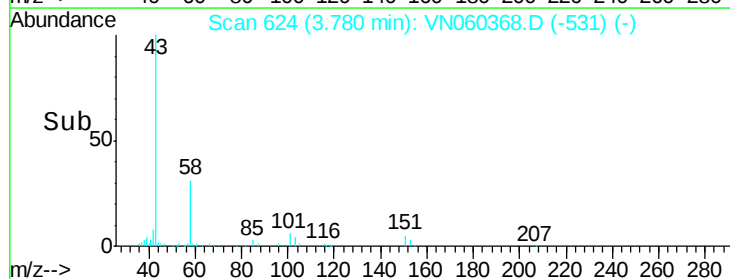
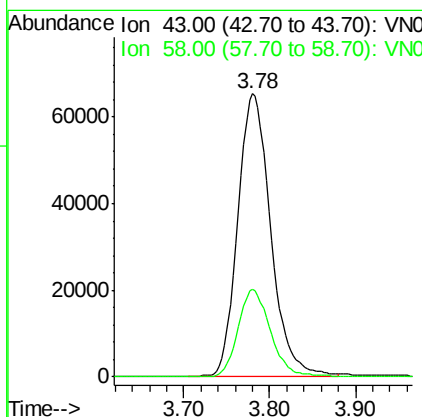
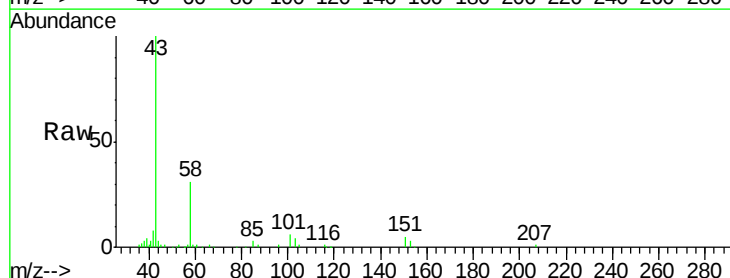
RT: 3.78 min Scan# 624

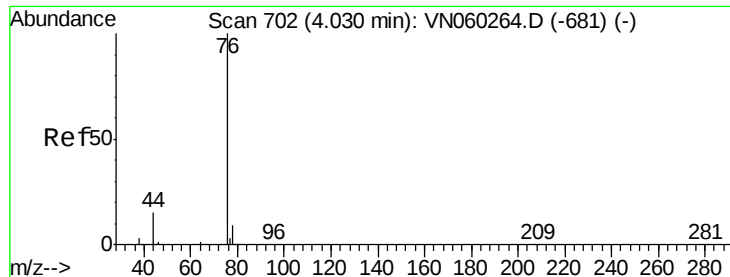
Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 174833 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 31.0  | 24.6  | 36.8   |





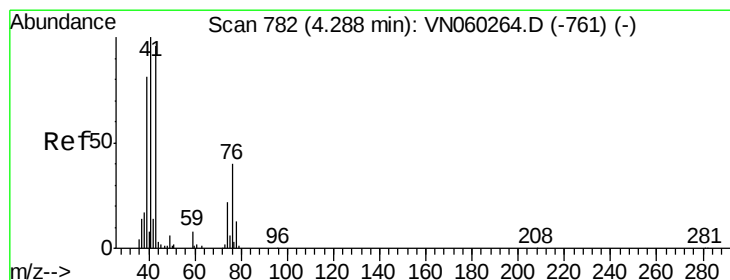
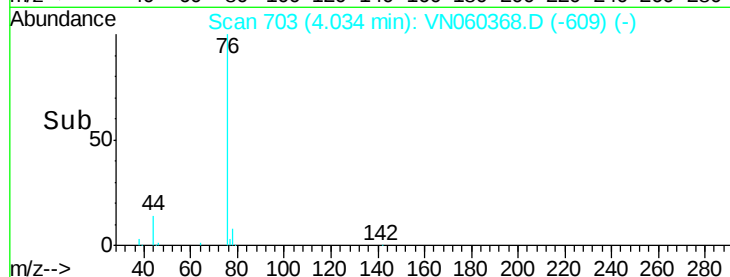
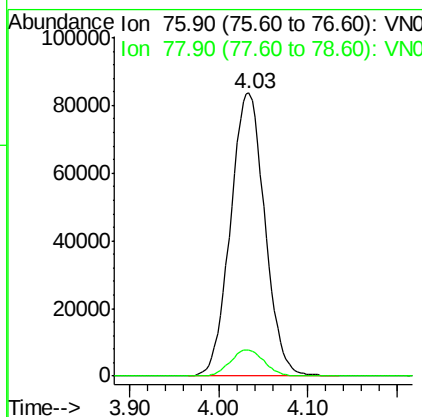
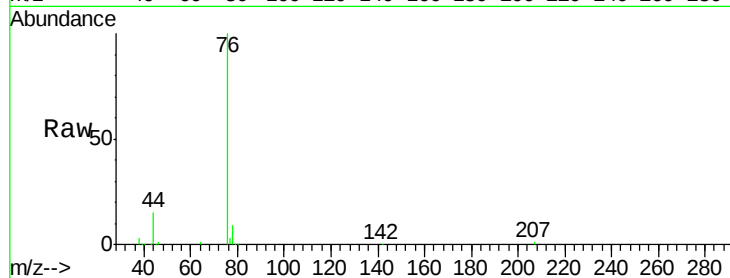
#17  
Carbon Disulfide  
Concen: 45.159 ug/l  
RT: 4.03 min Scan# 703  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.4   | 11.0  |

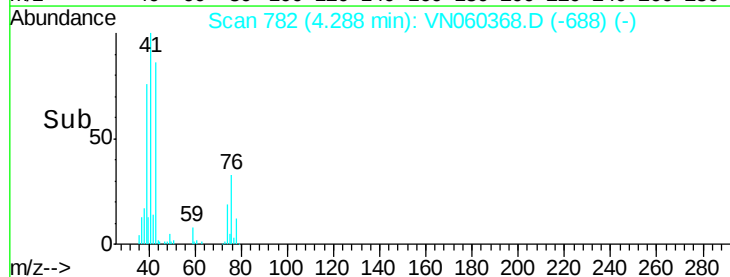
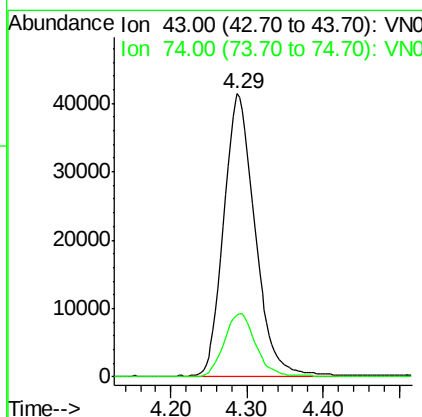
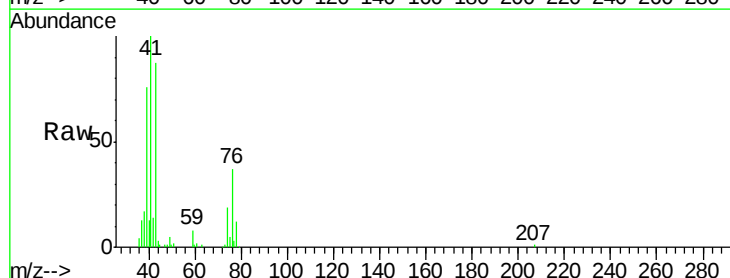
Manual Integrations  
APPROVED

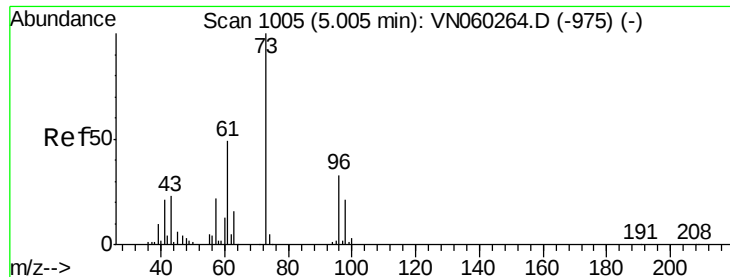
MMDadoda  
3/6/2020 11:18:20 AM



#18  
Methyl Acetate  
Concen: 44.573 ug/l  
RT: 4.29 min Scan# 782  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.6  | 18.8  | 28.2  |





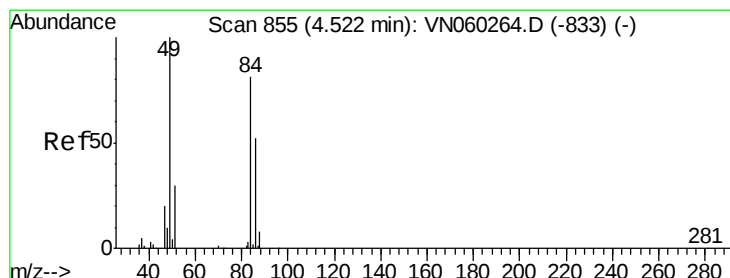
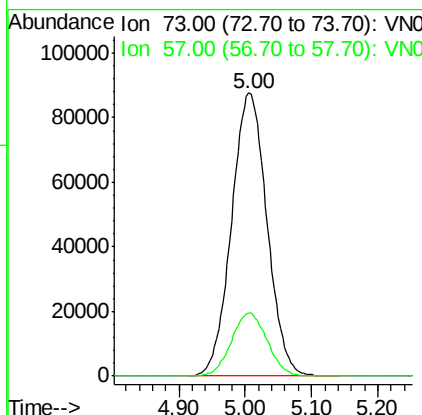
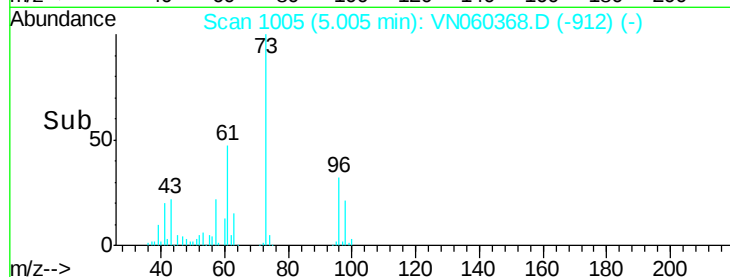
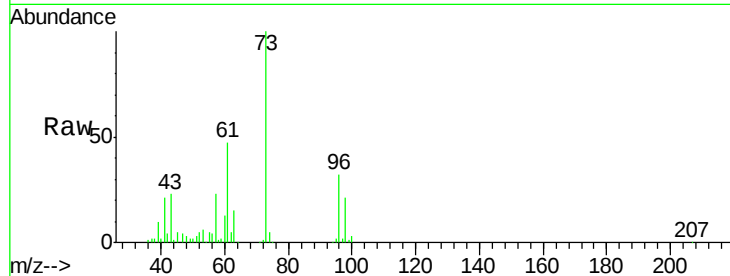
#19  
Methvl tert-butvl Ether  
Concen: 48.164 ug/l  
RT: 5.00 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 325718  
Ion Ratio Lower Upper  
73 100  
57 22.5 17.3 25.9

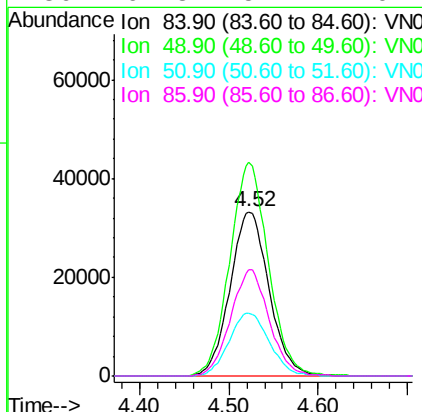
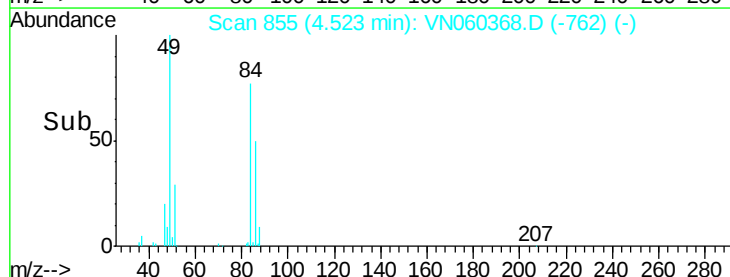
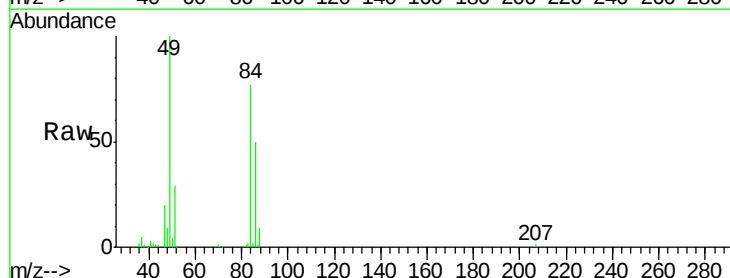
Manual Integrations  
APPROVED

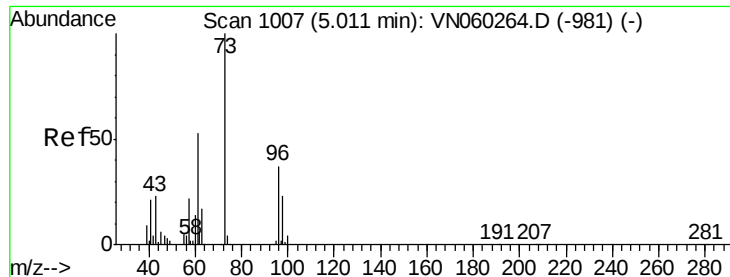
MMDadoda  
3/6/2020 11:18:20 AM



#20  
Methylene Chloride  
Concen: 45.734 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Tgt Ion: 84 Resp: 100894  
Ion Ratio Lower Upper  
84 100  
49 129.9 99.3 148.9  
51 37.8 30.1 45.1  
86 64.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.278 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

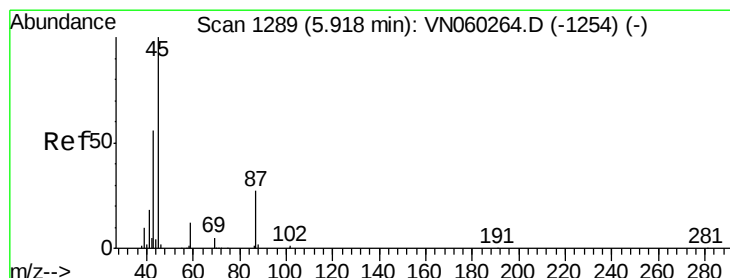
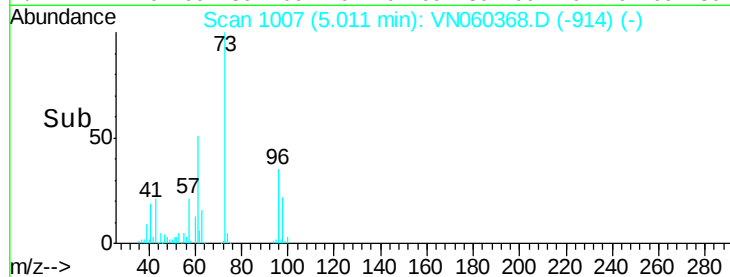
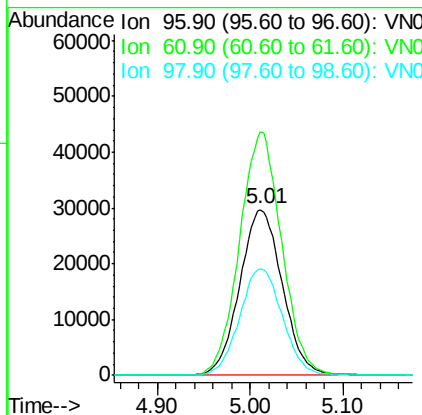
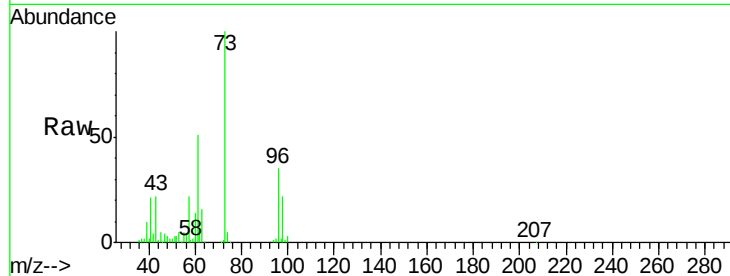
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 94661 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 147.0 | 113.8 | 170.8 |
| 98       | 64.5  | 48.8  | 73.2  |

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



#22

Diisopropyl ether

Concen: 50.097 ug/l

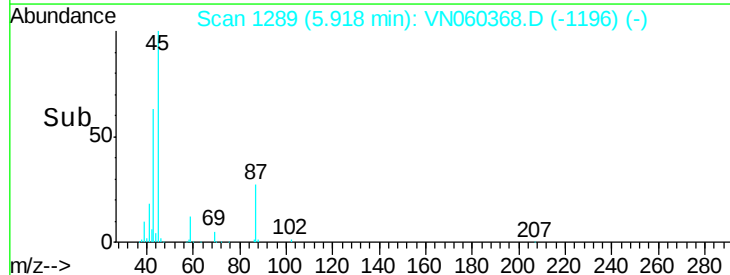
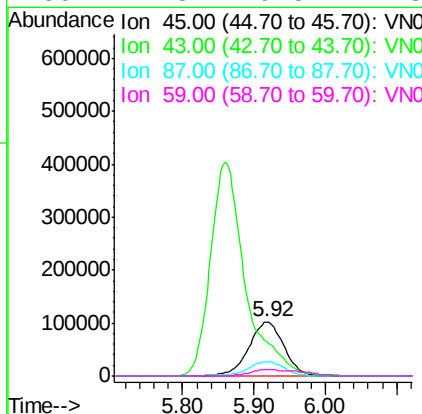
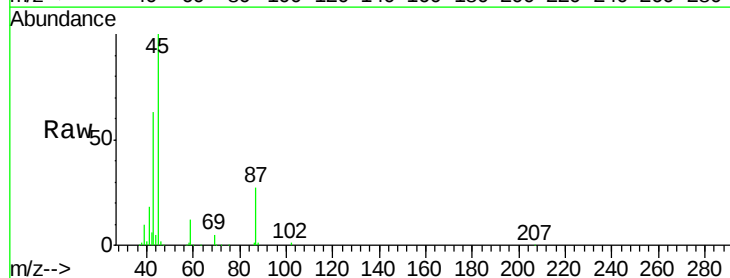
RT: 5.92 min Scan# 1289

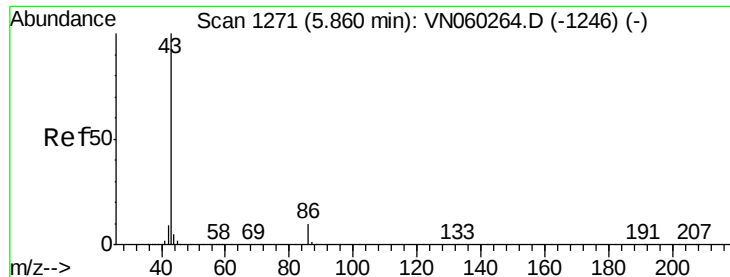
Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 348507 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 61.7  | 48.6  | 72.8   |
| 87       | 26.9  | 22.2  | 33.2   |
| 59       | 11.3  | 9.5   | 14.3   |





#23

Vinyl Acetate

Concen: 248.175 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1371888

Ion Ratio Lower Upper

43 100

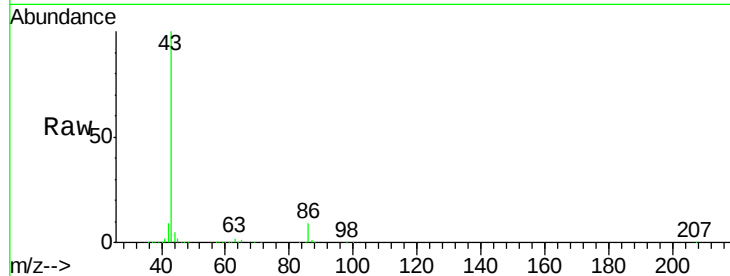
86 9.4 8.0 12.0

Manual Integrations

APPROVED

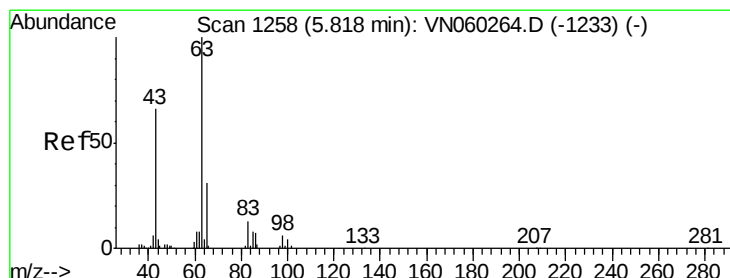
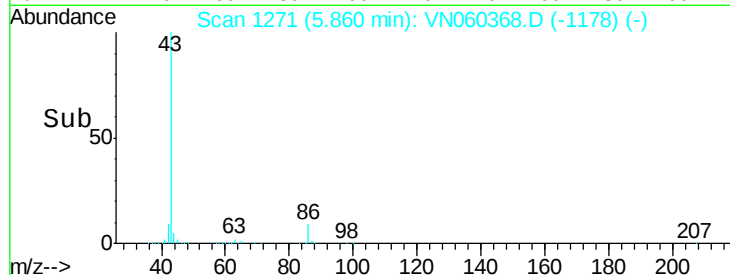
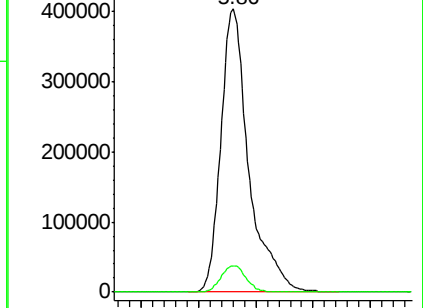
MMDadoda

3/6/2020 11:18:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.346 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

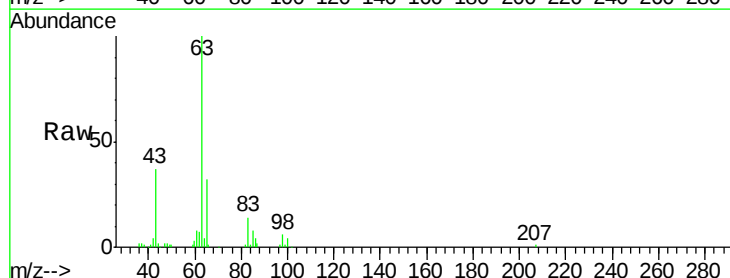
Tgt Ion: 63 Resp: 194319

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

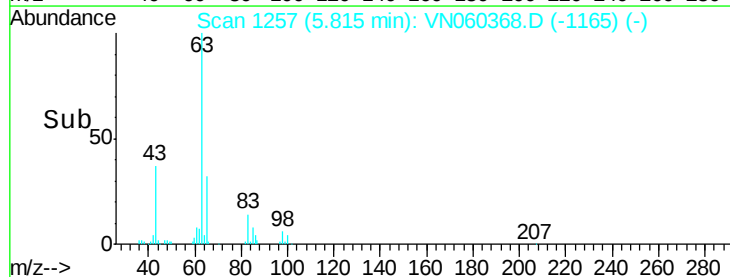
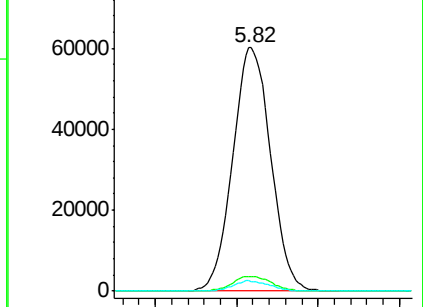
100 4.2 2.0 6.0

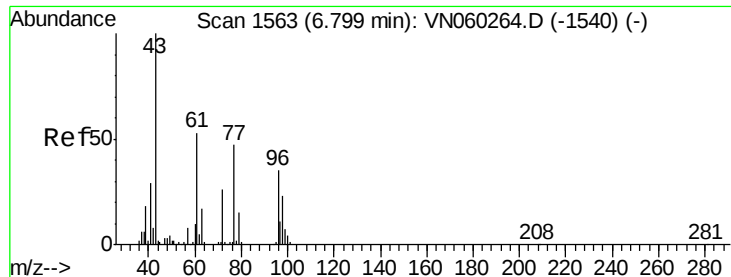


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 224.994 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 291931

Ion Ratio Lower Upper

43 100

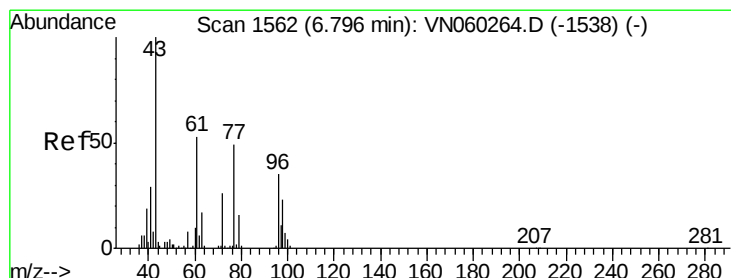
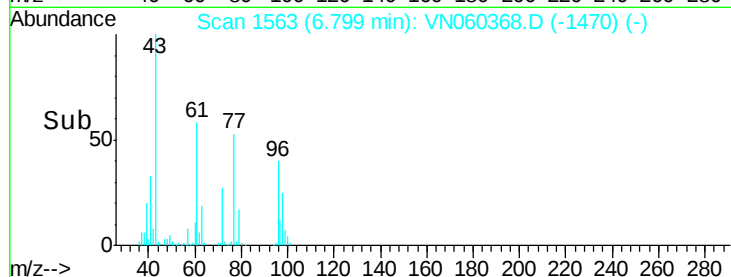
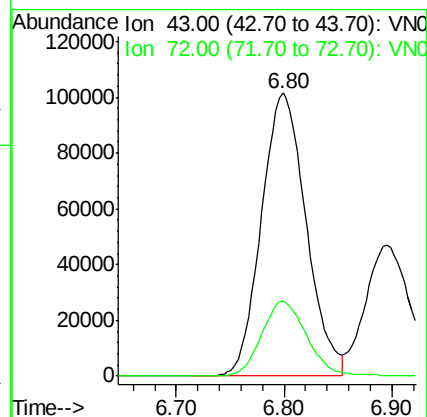
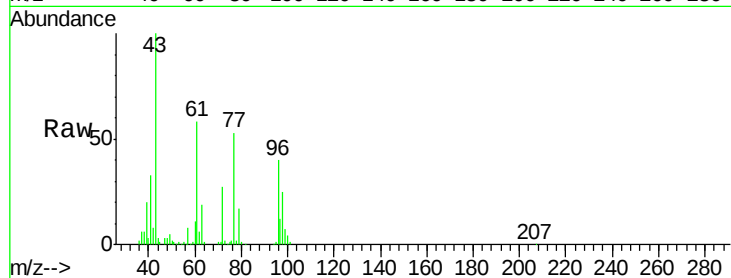
72 26.6 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:18:20 AM



#26

2,2-Dichloropropane

Concen: 48.593 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060368.D

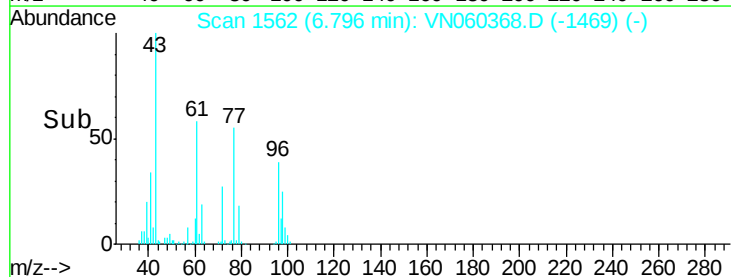
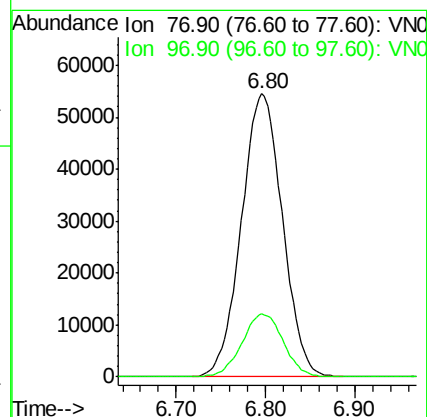
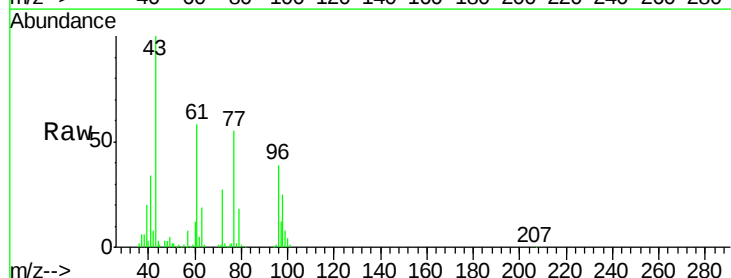
Acq: 5 Mar 2020 16:28

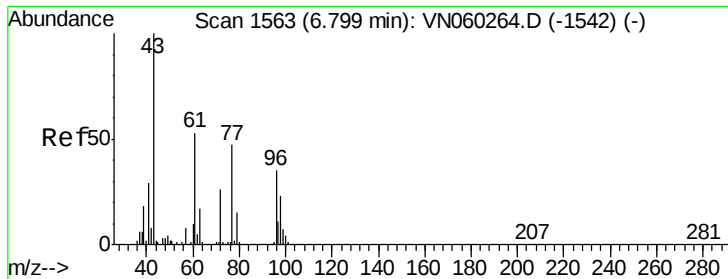
Tgt Ion: 77 Resp: 174203

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.548 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

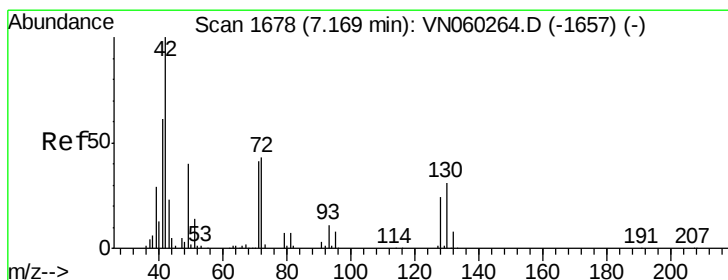
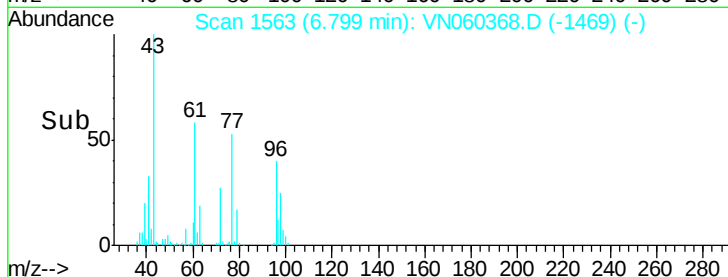
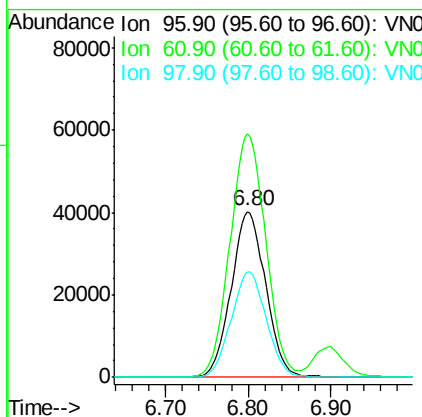
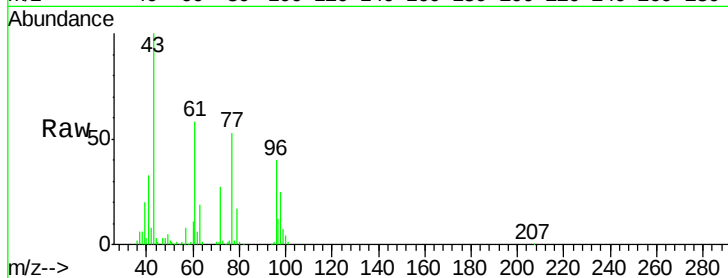
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 116515 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 151.6 | 0.0   | 300.8  |
| 98       | 64.7  | 0.0   | 128.2  |

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



#28

Bromochloromethane

Concen: 50.344 ug/l

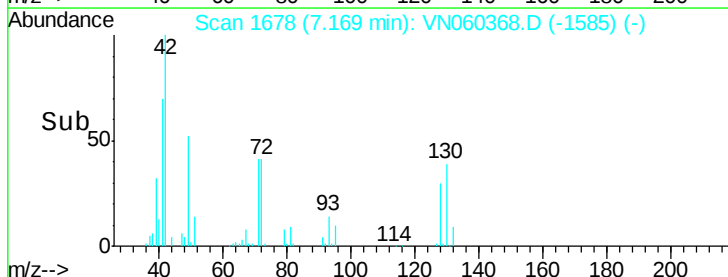
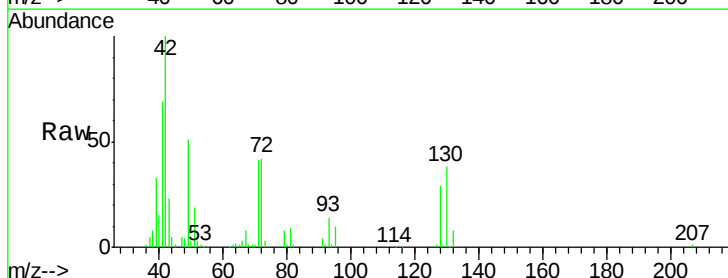
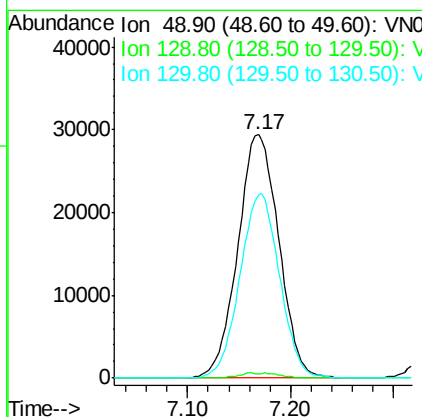
RT: 7.17 min Scan# 1678

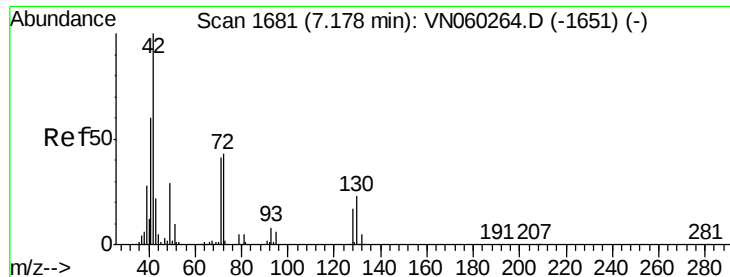
Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 81397 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.0   | 0.0   | 3.8   |
| 130      | 73.1  | 59.8  | 89.8  |





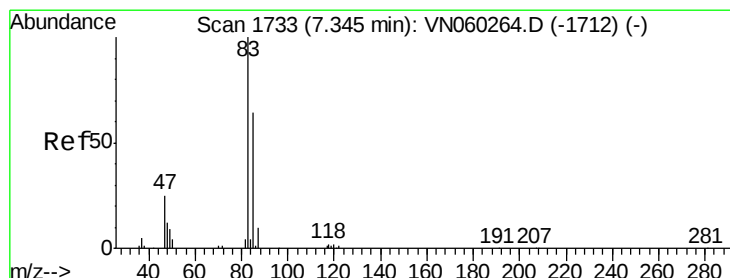
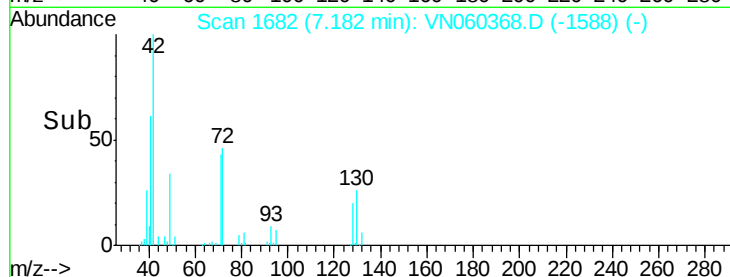
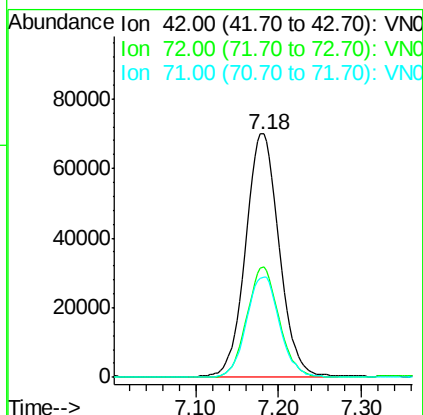
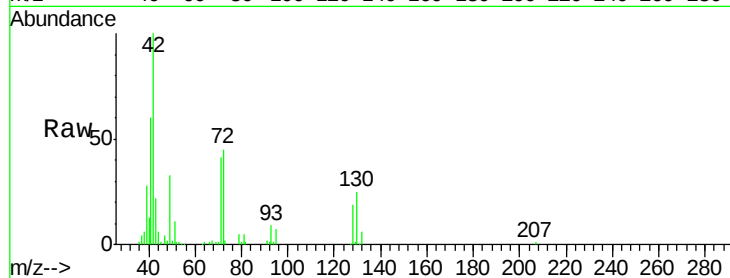
#29  
Tetrahydrofuran  
Concen: 219.153 ug/l  
RT: 7.18 min Scan# 1682  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.1  | 34.6  | 52.0  |
| 71      | 40.7  | 32.9  | 49.3  |

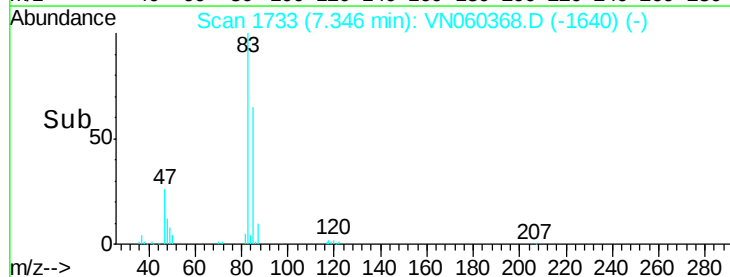
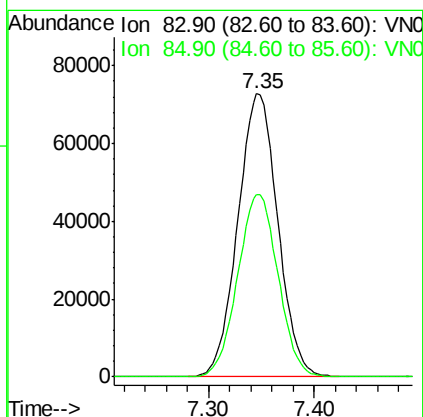
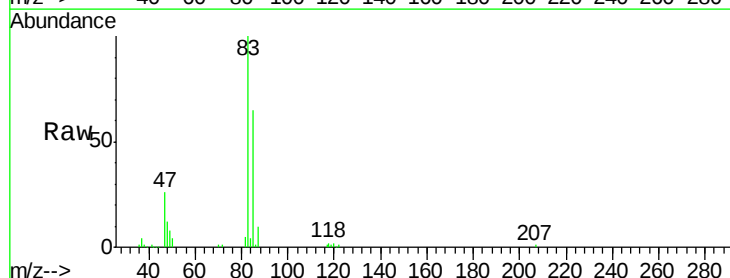
Manual Integrations  
APPROVED

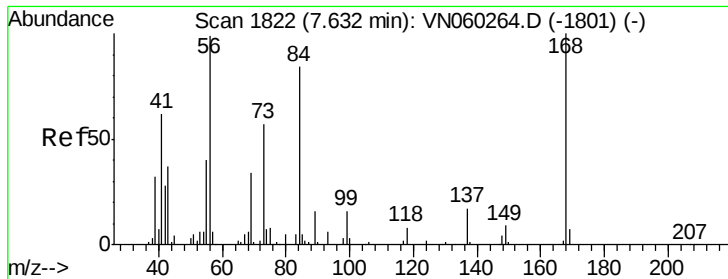
MMDadoda  
3/6/2020 11:18:20 AM



#30  
Chloroform  
Concen: 48.915 ug/l  
RT: 7.35 min Scan# 1733  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.6  | 51.4  | 77.2  |





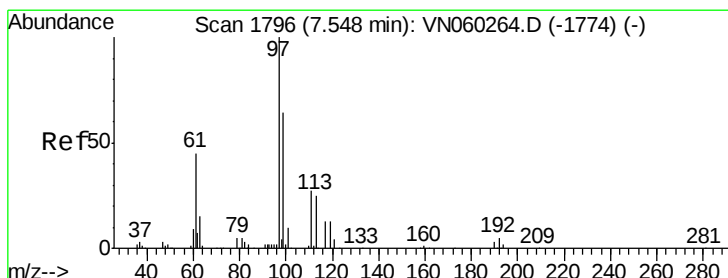
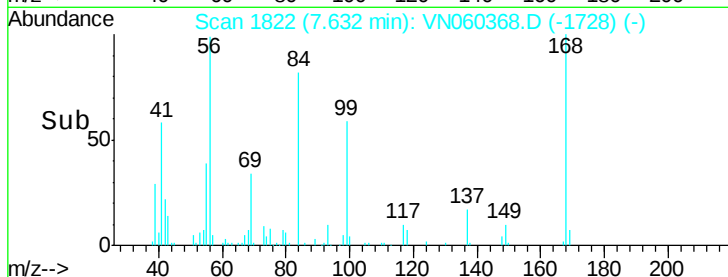
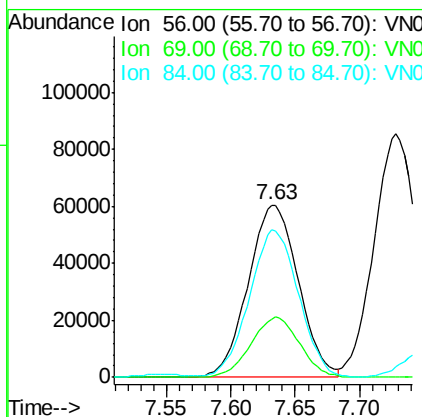
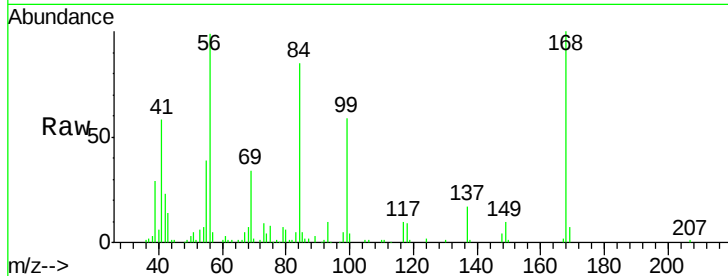
#31  
Cyclohexane  
Concen: 48.654 ug/l  
RT: 7.63 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.0  | 27.2  | 40.8  |
| 84      | 84.6  | 66.7  | 100.1 |

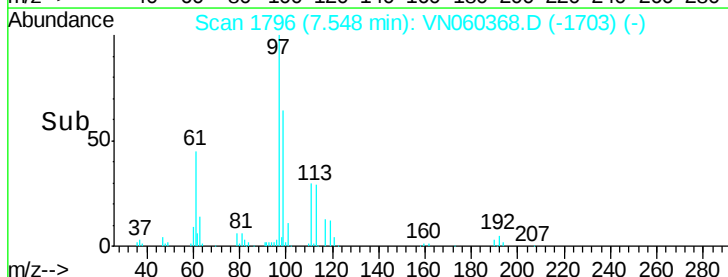
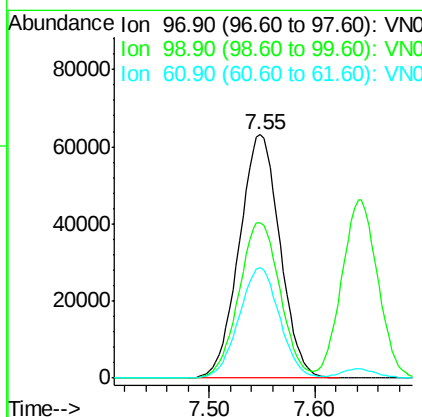
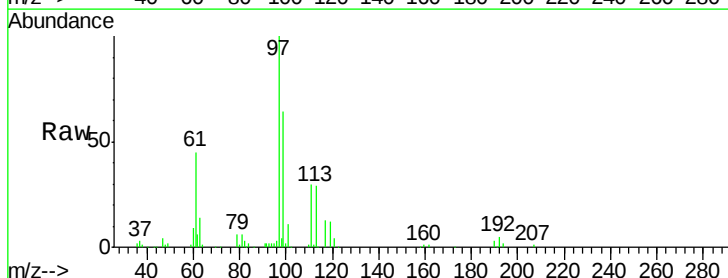
Manual Integrations  
APPROVED

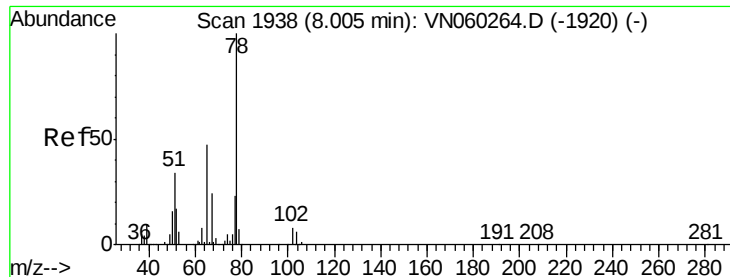
MMDadoda  
3/6/2020 11:18:20 AM



#32  
1,1,1-Trichloroethane  
Concen: 48.803 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.7  | 51.4  | 77.0  |
| 61      | 45.3  | 36.6  | 55.0  |





#33

1,2-Dichloroethane-d4

Concen: 49.894 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 124113

Ion Ratio Lower Upper

65 100

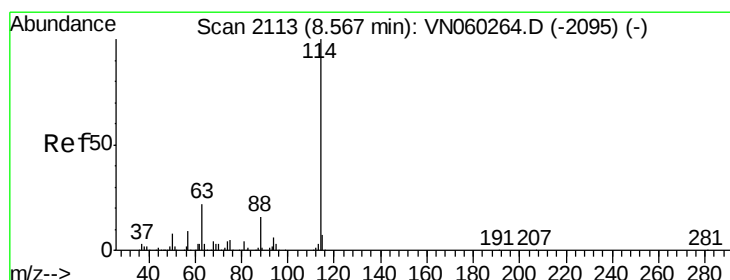
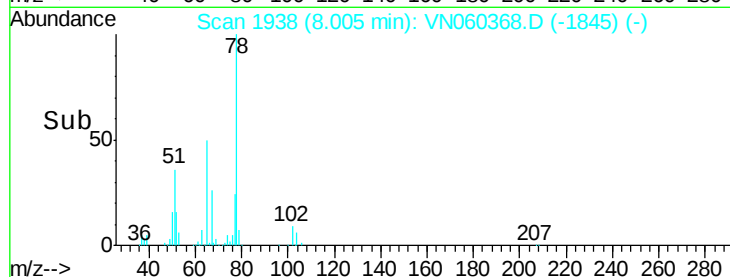
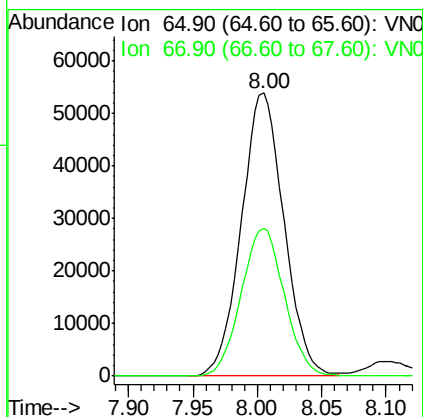
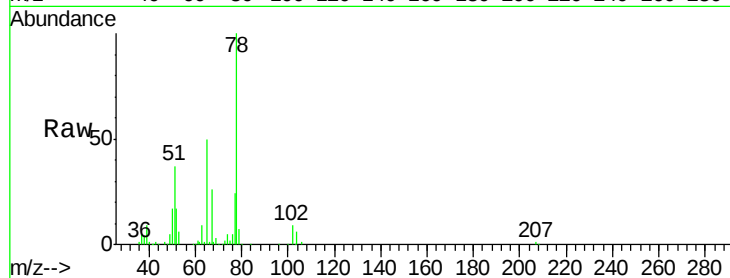
67 52.9 0.0 103.8

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:18:20 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

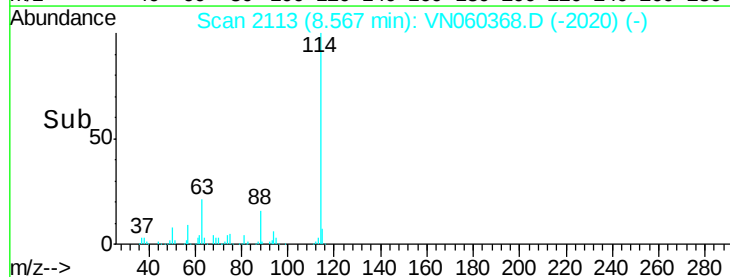
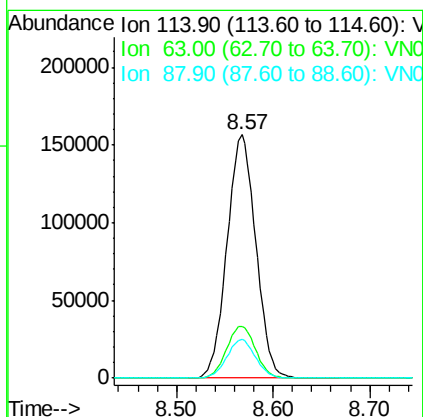
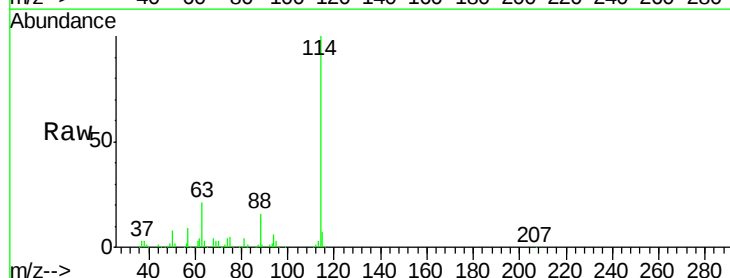
Tgt Ion: 114 Resp: 323770

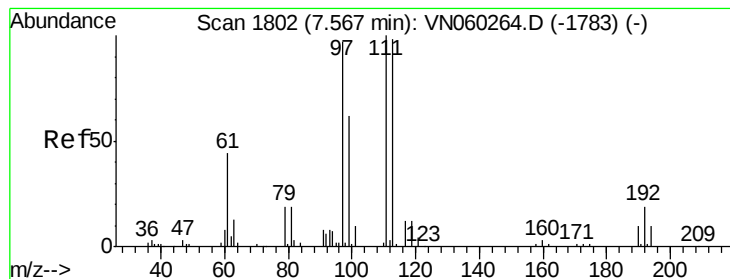
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 55.746 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

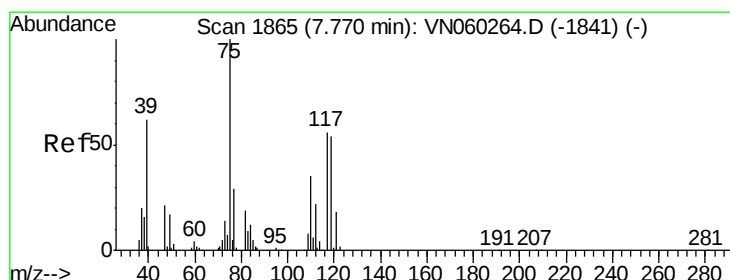
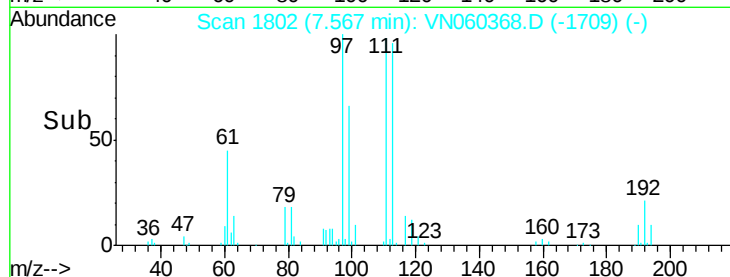
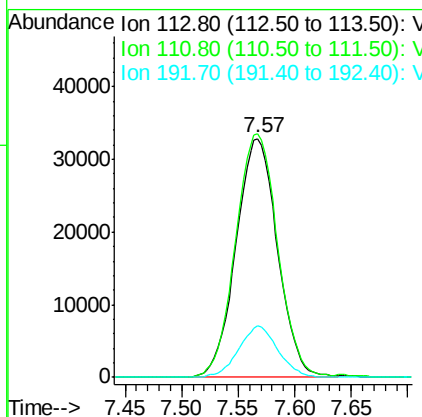
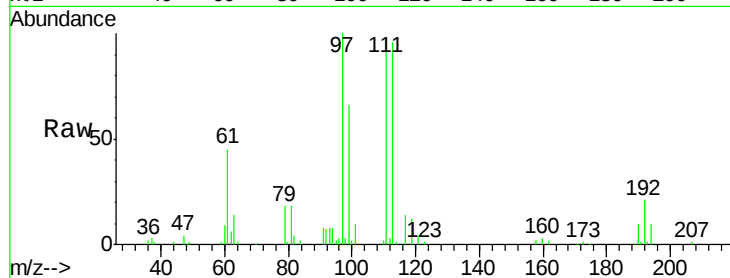
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 83777 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.4 | 82.4  | 123.6 |
| 192      | 20.3  | 16.2  | 24.2  |

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



#36

1,1-Dichloropropene

Concen: 45.523 ug/l

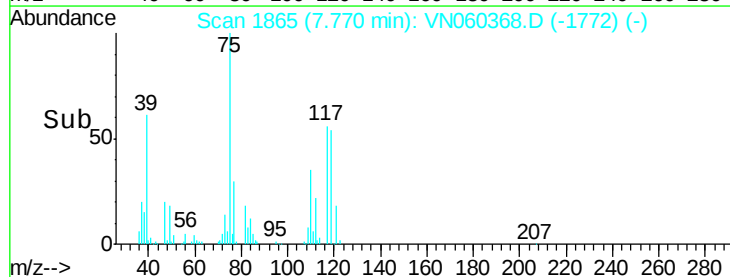
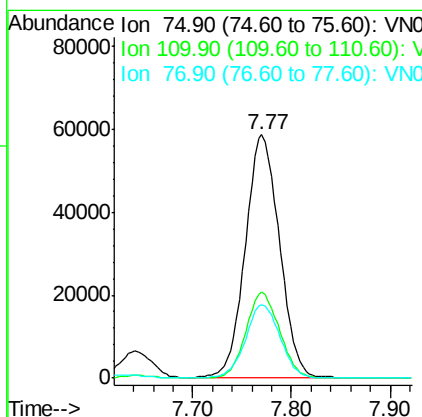
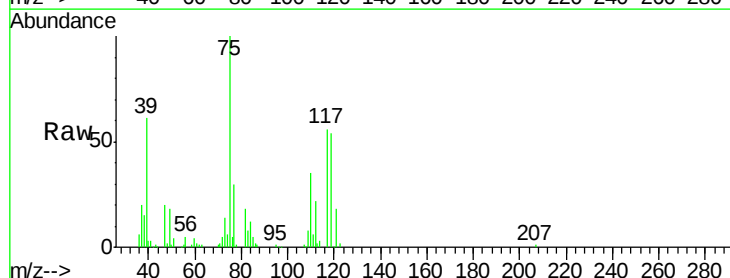
RT: 7.77 min Scan# 1865

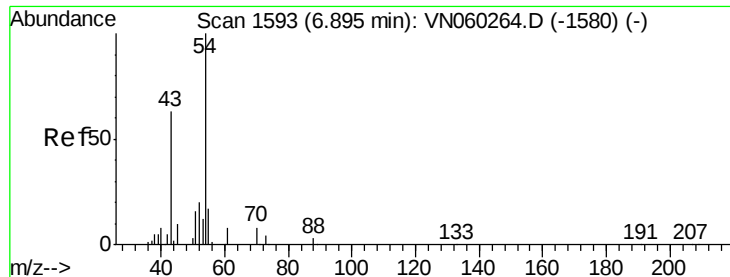
Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 140471 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 34.6  | 17.3  | 52.0   |
| 77       | 30.4  | 24.2  | 36.2   |





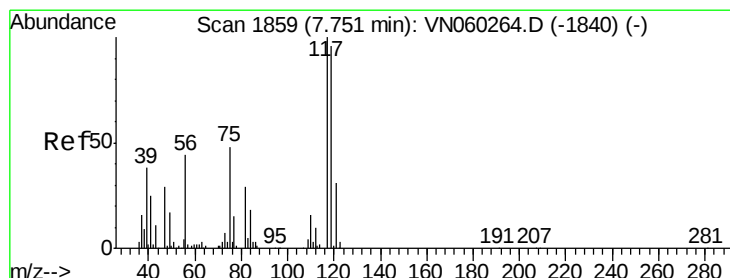
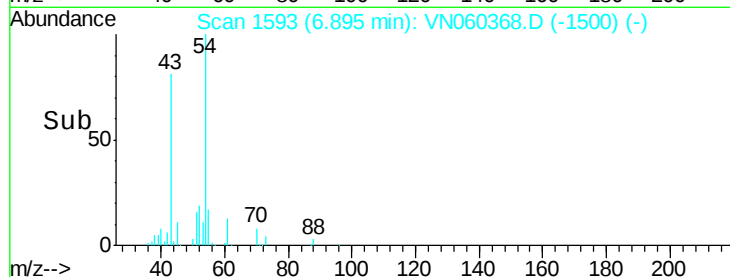
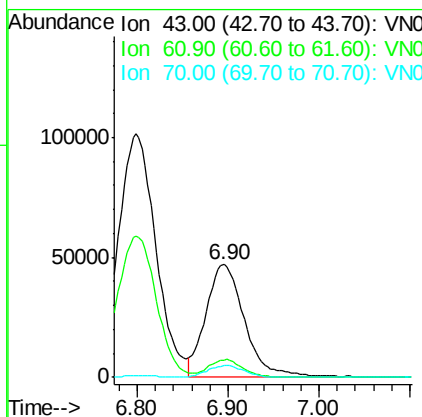
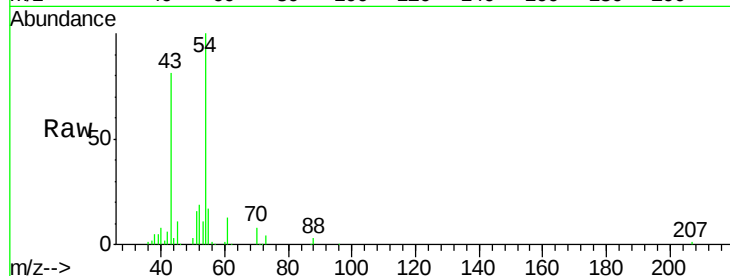
#37  
Ethyl Acetate  
Concen: 46.753 ug/l  
RT: 6.90 min Scan# 1593  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.3  | 11.1  | 16.7  |
| 70      | 10.0  | 8.4   | 12.6  |

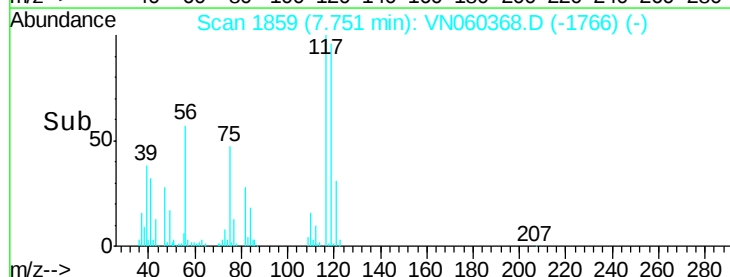
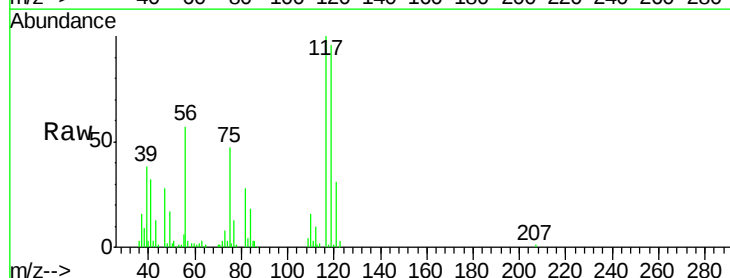
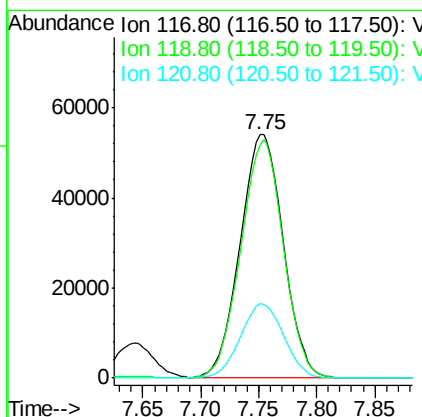
Manual Integrations  
APPROVED

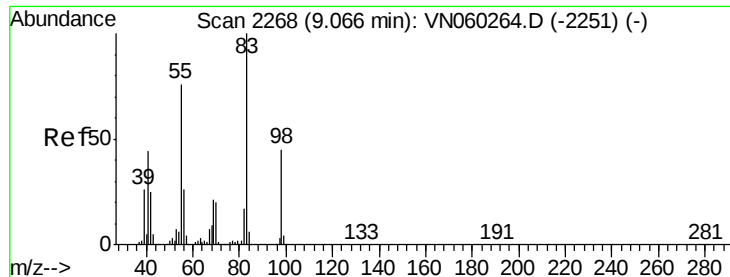
MMDadoda  
3/6/2020 11:18:20 AM



#38  
Carbon Tetrachloride  
Concen: 46.572 ug/l  
RT: 7.75 min Scan# 1859  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.1  | 76.7  | 115.1 |
| 121     | 30.5  | 24.5  | 36.7  |





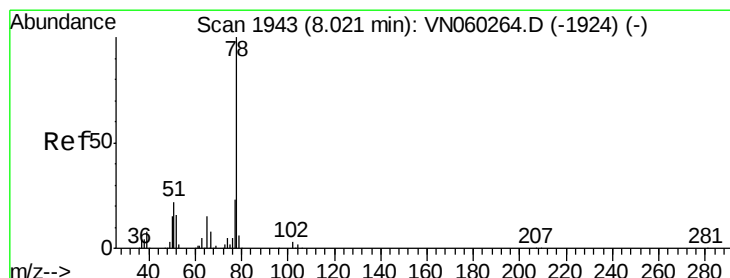
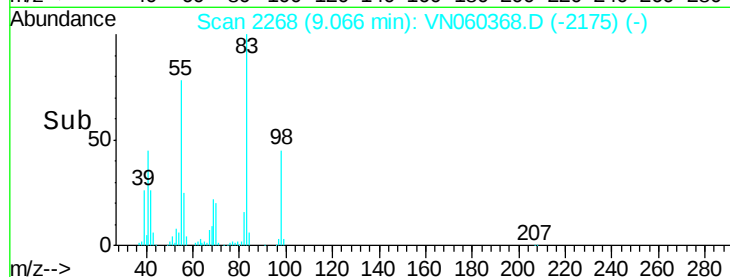
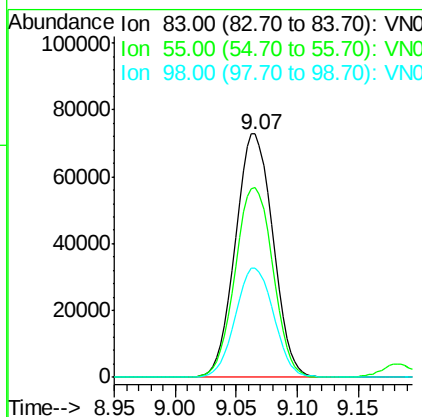
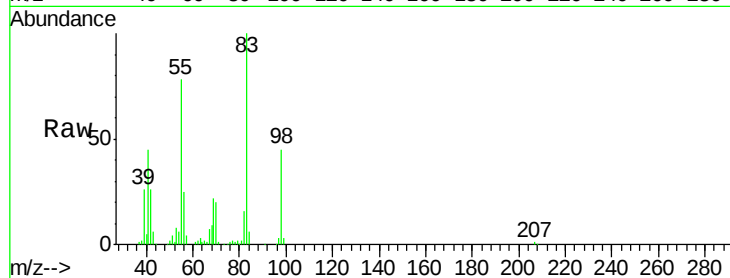
#39  
Methvlcvclohexane  
Concen: 42.829 ug/l  
RT: 9.07 min Scan# 2268  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 78.1  | 61.0  | 91.4  |
| 98      | 44.7  | 36.1  | 54.1  |

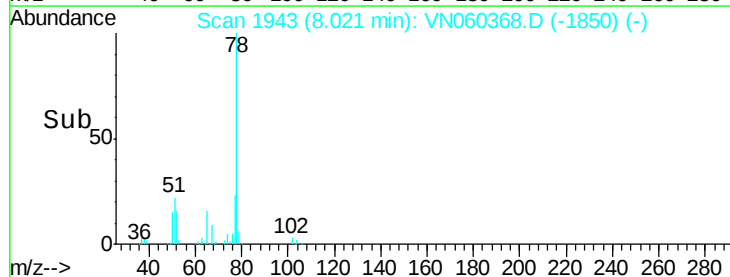
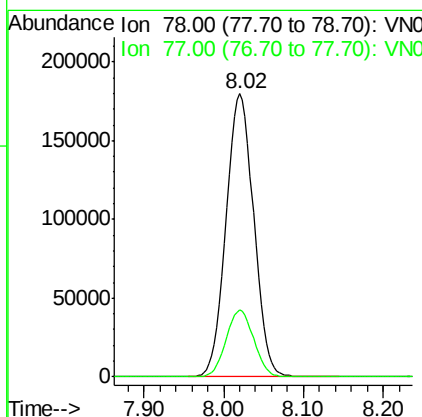
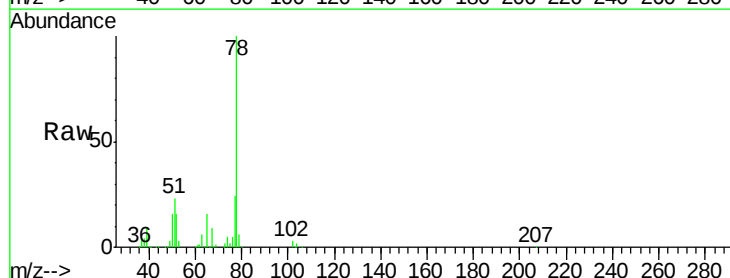
Manual Integrations  
APPROVED

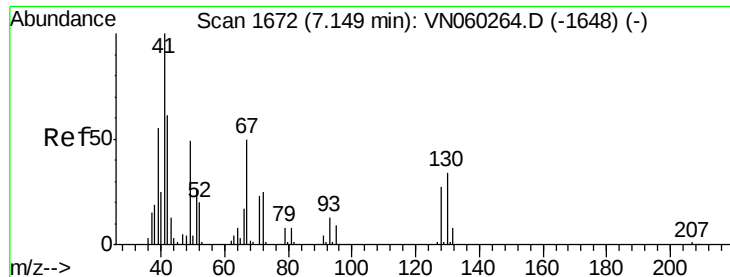
MMDadoda  
3/6/2020 11:18:20 AM



#40  
Benzene  
Concen: 47.221 ug/l  
RT: 8.02 min Scan# 1943  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 18.8  | 28.2  |





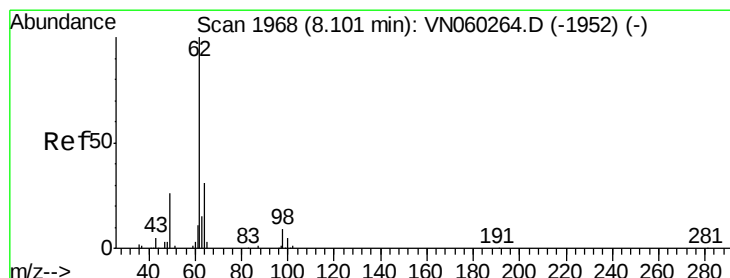
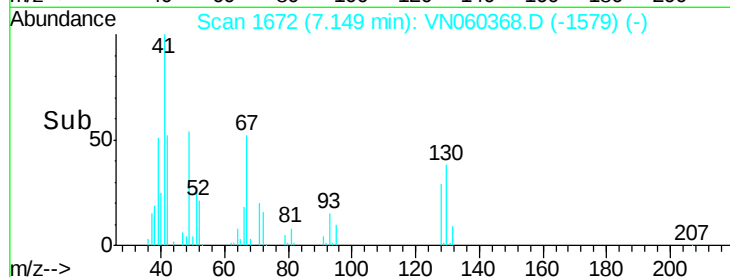
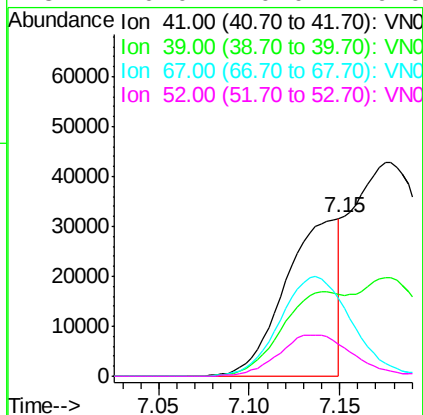
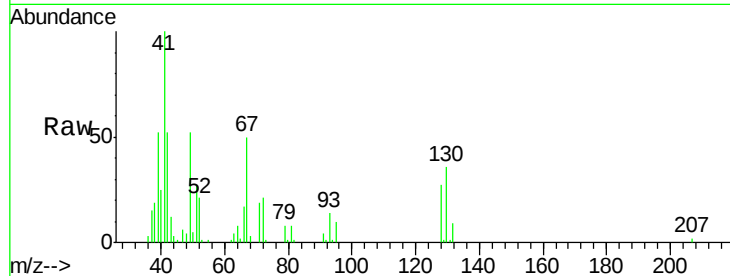
#41  
Methacrylonitrile  
Concen: 48.279 ug/l m  
RT: 7.15 min Scan# 1672  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | 41    | Resp  | 65132 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 0.0   | 0.0   | 0.0   |
| 67      | 0.0   | 0.0   | 0.0   |
| 52      | 0.0   | 0.0   | 0.0   |

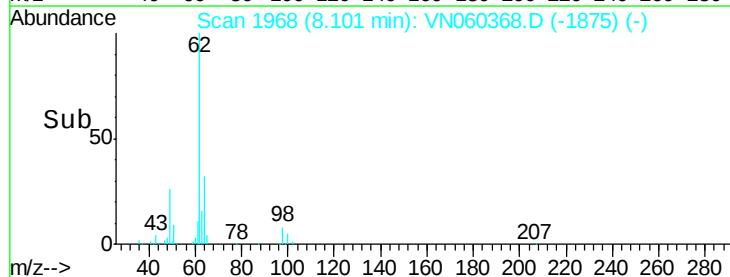
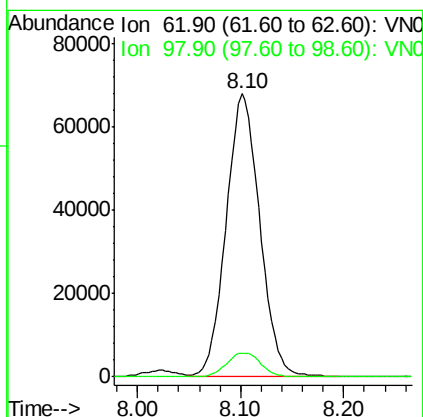
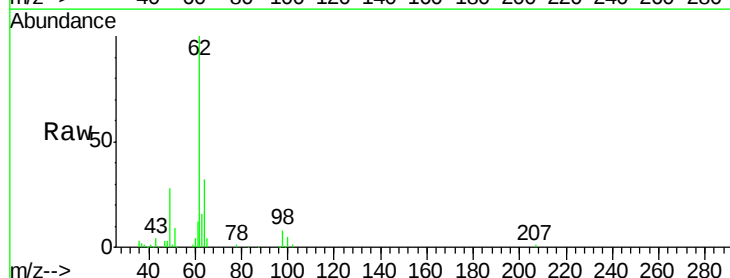
Manual Integrations  
APPROVED

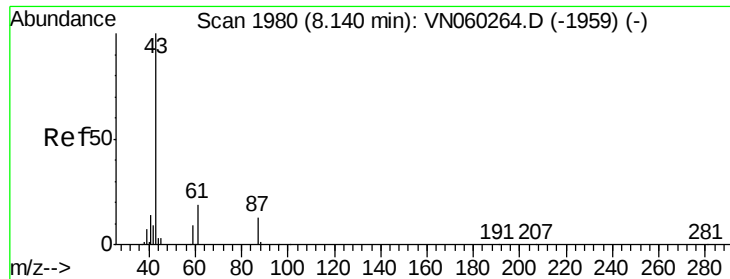
MMDadoda  
3/6/2020 11:18:20 AM



#42  
1,2-Dichloroethane  
Concen: 47.820 ug/l  
RT: 8.10 min Scan# 1968  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | 62    | Resp  | 154979 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 8.6   | 0.0   | 17.0   |





#43

Isopropyl Acetate

Concen: 48.415 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

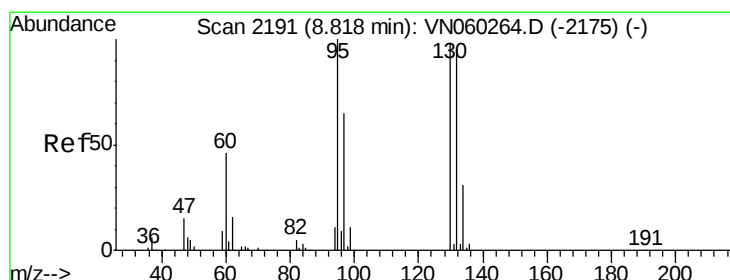
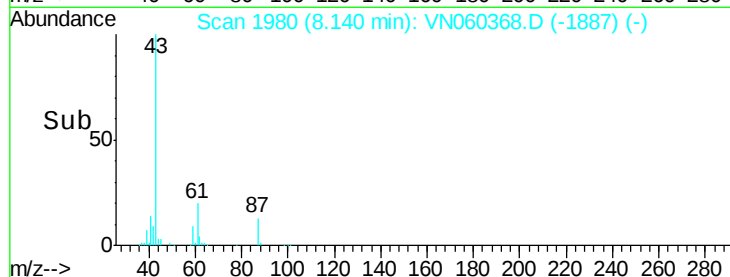
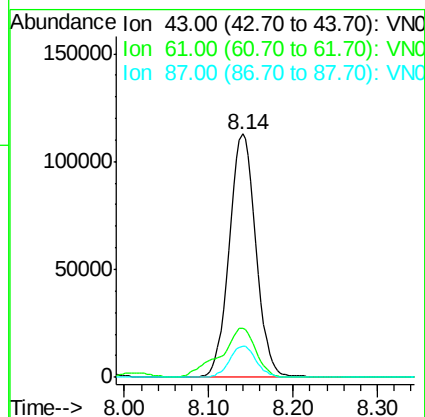
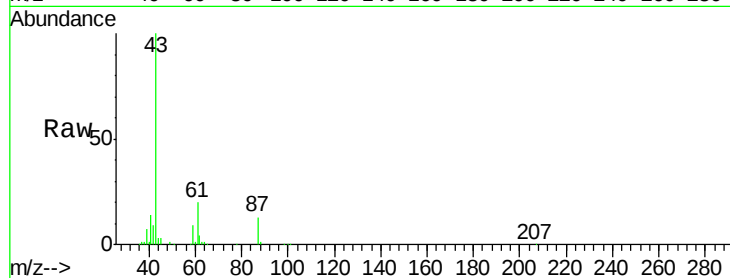
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 247643 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 26.6  | 20.9  | 31.3   |
| 87       | 12.8  | 10.6  | 16.0   |

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



#44

Trichloroethene

Concen: 46.455 ug/l

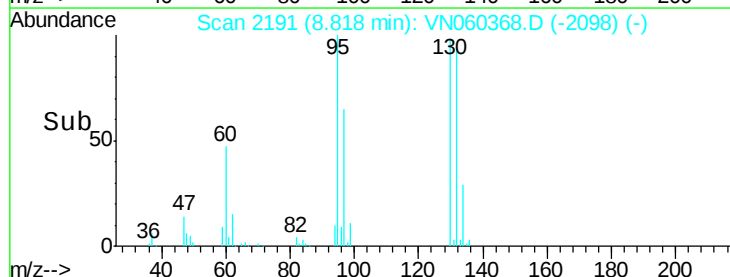
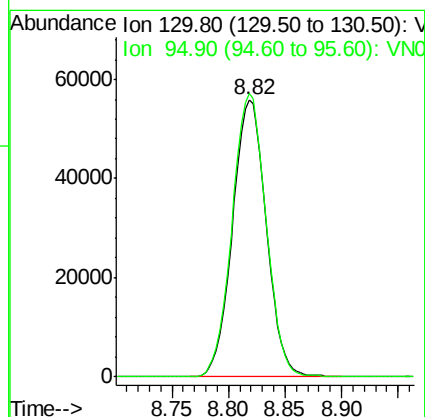
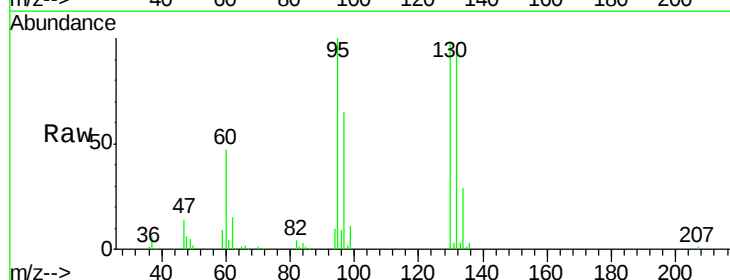
RT: 8.82 min Scan# 2191

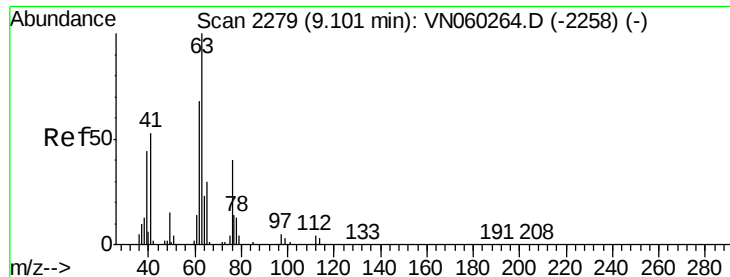
Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 116198 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 102.1 | 0.0   | 203.4  |





#45

1,2-Dichloropropane

Concen: 50.068 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 117567

Ion Ratio Lower Upper

63 100

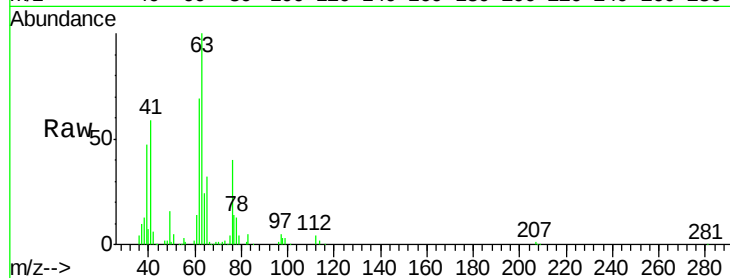
65 31.5 24.4 36.6

Manual Integrations

APPROVED

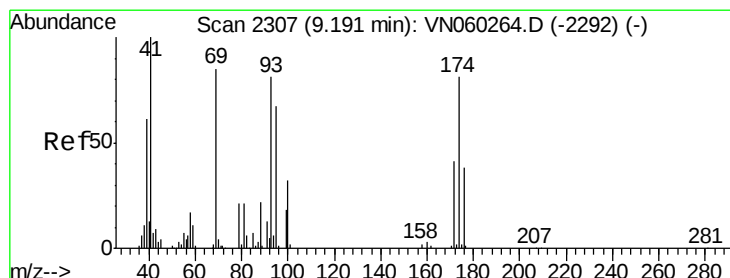
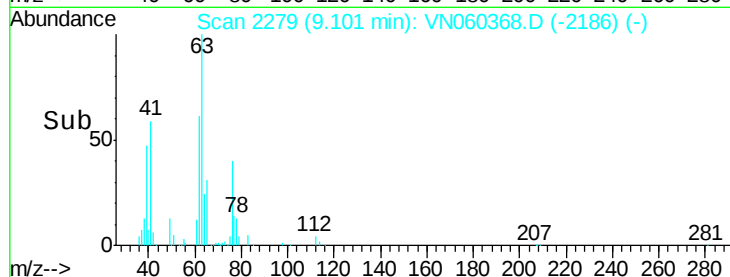
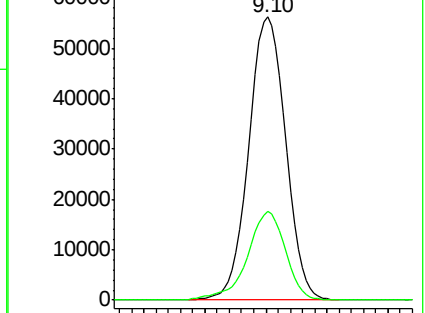
MMDadoda

3/6/2020 11:18:20 AM



Abundance Ion 62.90 (62.60 to 63.60): VN060368.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060368.D (-2186) (-)



#46

Dibromomethane

Concen: 47.304 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

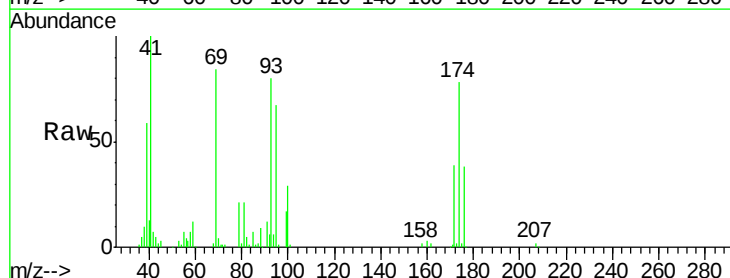
Tgt Ion: 93 Resp: 72073

Ion Ratio Lower Upper

93 100

95 83.8 65.9 98.9

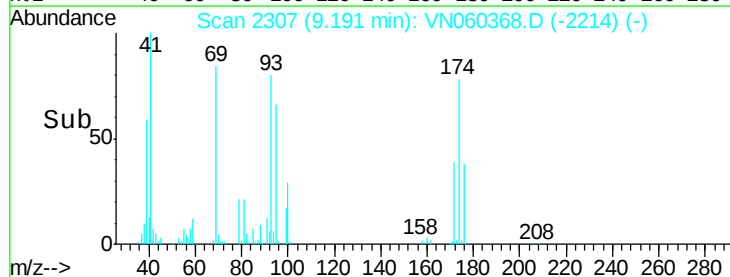
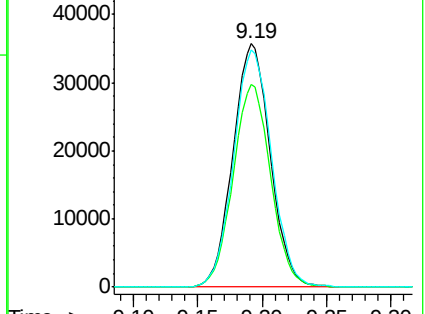
174 99.0 79.6 119.4

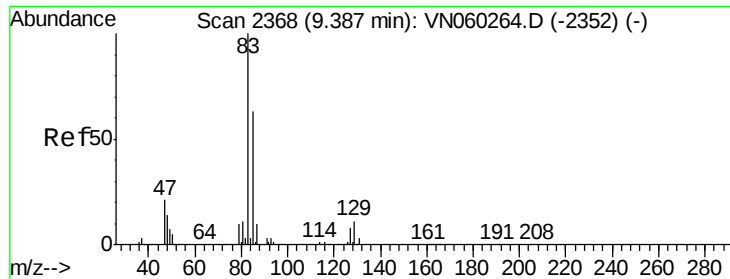


Abundance Ion 92.80 (92.50 to 93.50): VN060368.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060368.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060368.D (-2214) (-)





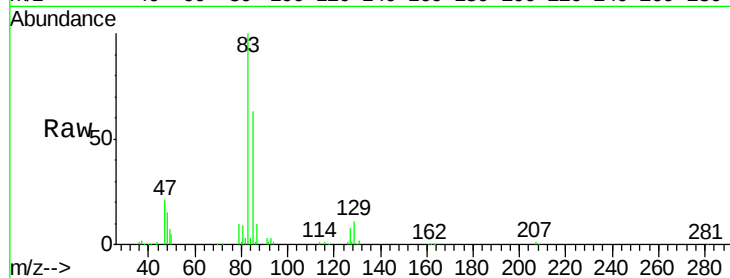
#47  
Bromodichloromethane  
Concen: 50.072 ug/l  
RT: 9.39 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

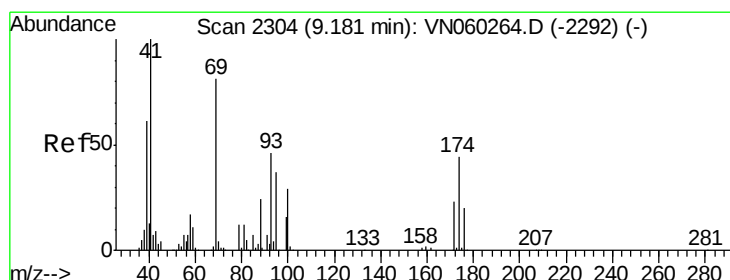
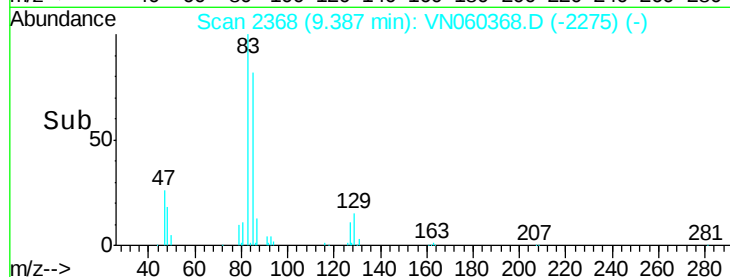
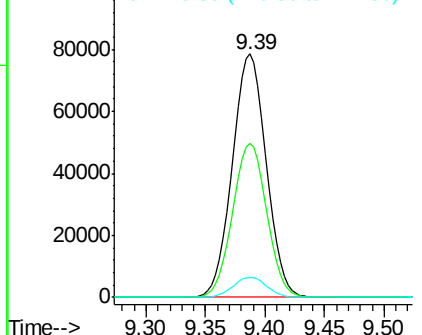
| Tot Ion   | 83   | Resp  | 155163 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 63.4 | 50.7  | 76.1   |
| 127       | 8.3  | 6.8   | 10.2   |

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM

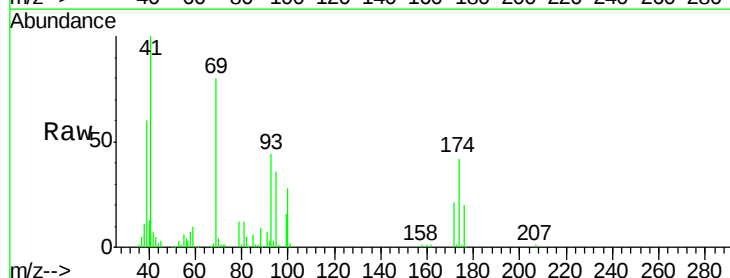


Abundance Ion 82.90 (82.60 to 83.60): VN060368.D (-2275) (-)  
Ion 84.90 (84.60 to 85.60): VN060368.D (-2275) (-)  
Ion 126.80 (126.50 to 127.50): VN060368.D (-2275) (-)

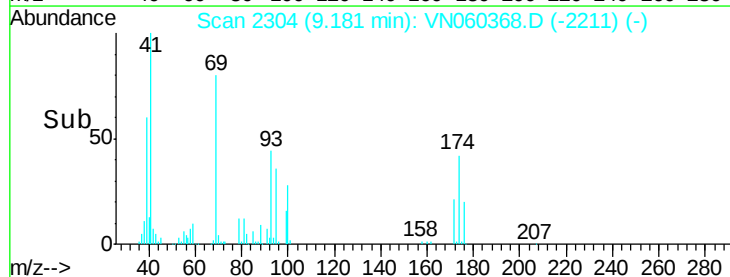
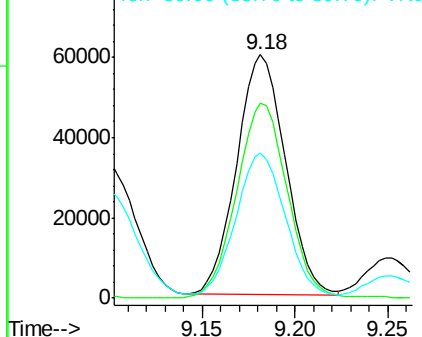


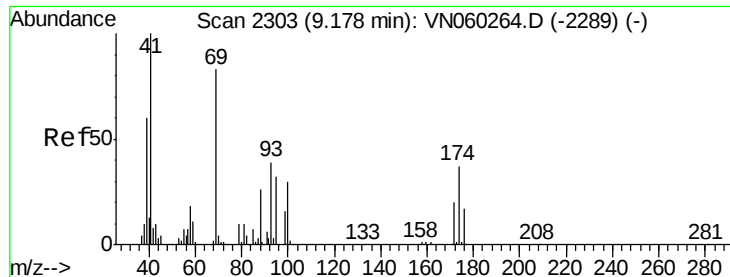
#48  
Methyl methacrylate  
Concen: 47.051 ug/l  
RT: 9.18 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion   | 41   | Resp  | 109747 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 69        | 84.5 | 66.7  | 100.1  |
| 39        | 62.0 | 50.1  | 75.1   |



Abundance Ion 41.00 (40.70 to 41.70): VN060368.D (-2211) (-)  
Ion 69.00 (68.70 to 69.70): VN060368.D (-2211) (-)  
Ion 39.00 (38.70 to 39.70): VN060368.D (-2211) (-)





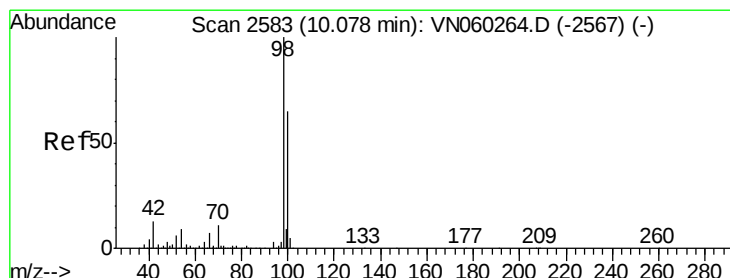
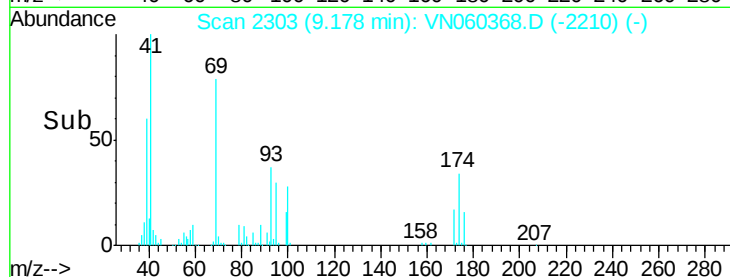
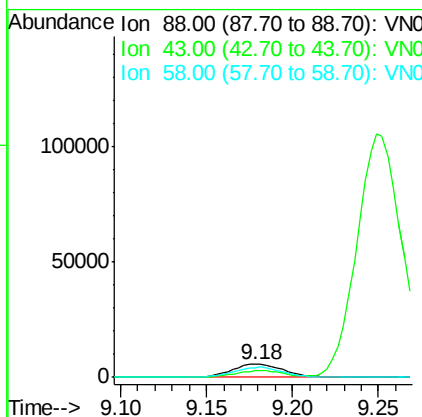
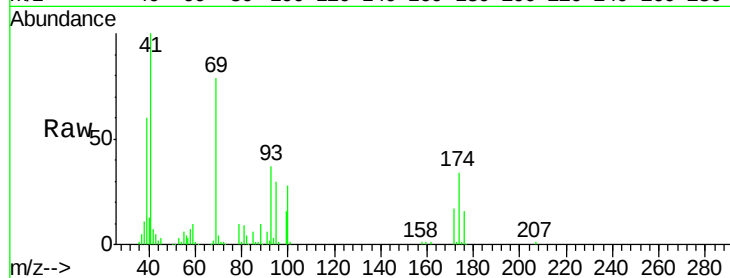
#49  
1,4-Dioxane  
Concen: 364.860 ug/l  
RT: 9.18 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 11968 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 47.9  | 30.4  | 45.6# |
| 58      | 72.3  | 57.0  | 85.6  |

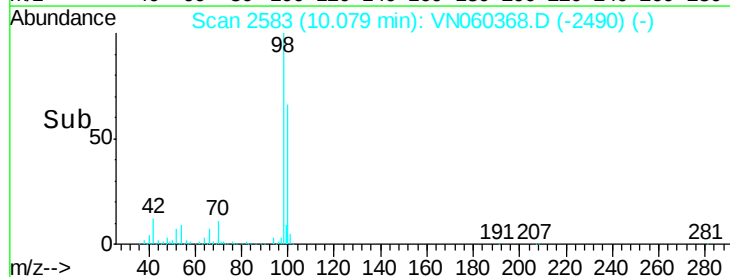
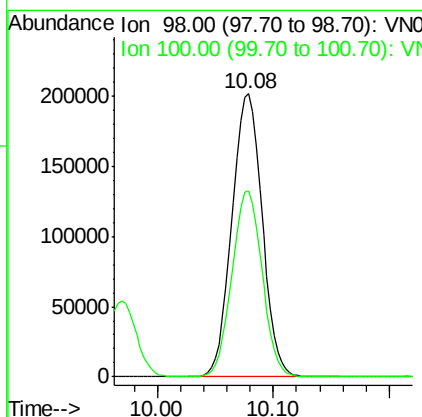
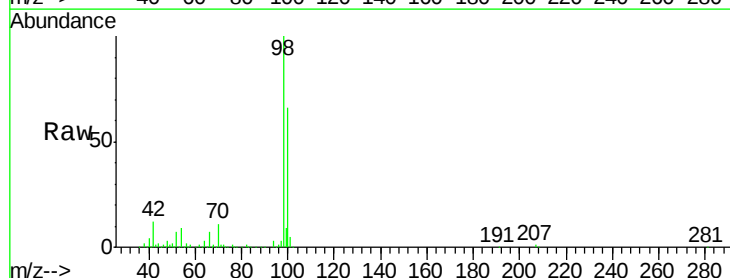
Manual Integrations  
APPROVED

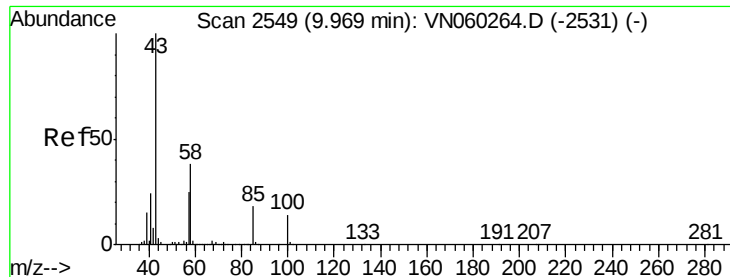
MMDadoda  
3/6/2020 11:18:20 AM



#50  
Toluene-d8  
Concen: 47.816 ug/l  
RT: 10.08 min Scan# 2583  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | 98    | Resp  | 363689 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.4  | 52.2  | 78.2   |





#51

4-Methyl-2-Pentanone

Concen: 239.266 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 693904

Ion Ratio Lower Upper

43 100

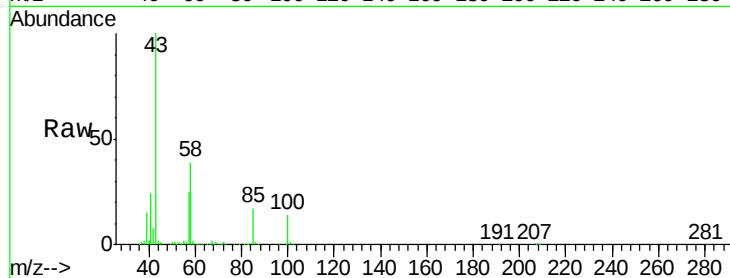
58 38.5 30.9 46.3

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:18:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060368.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060368.D (-2531) (-)

9.97

400000

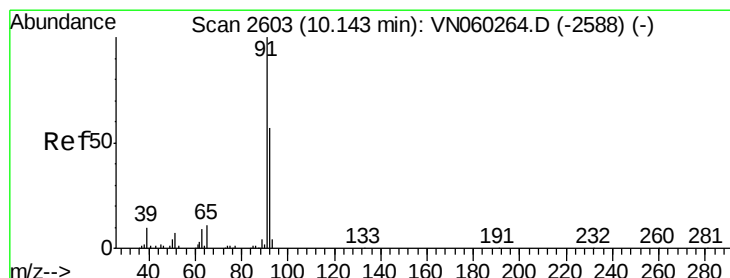
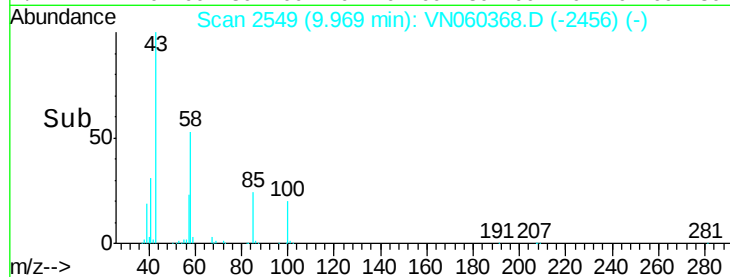
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.716 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060368.D

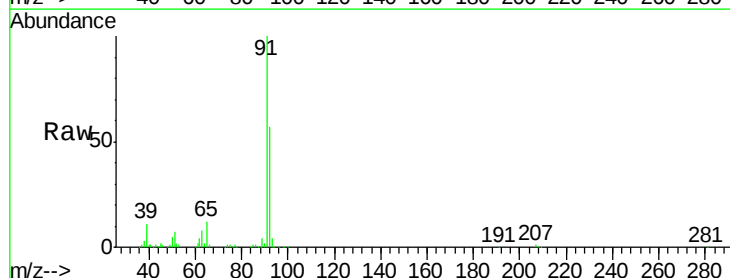
Acq: 5 Mar 2020 16:28

Tgt Ion: 92 Resp: 263555

Ion Ratio Lower Upper

92 100

91 173.2 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060368.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060368.D (-2510) (-)

10.14

300000

250000

200000

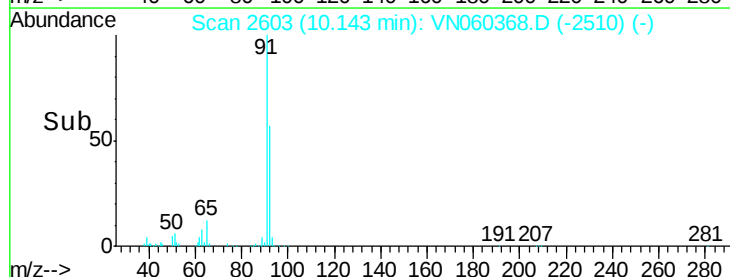
150000

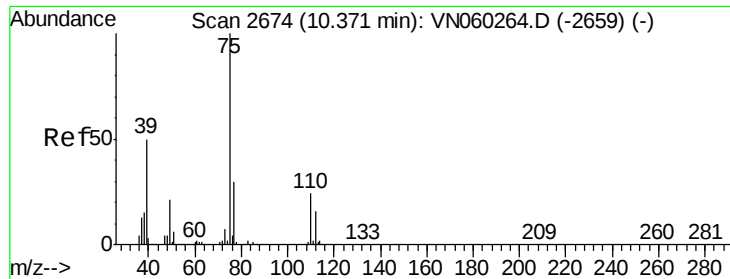
100000

50000

0

Time-->





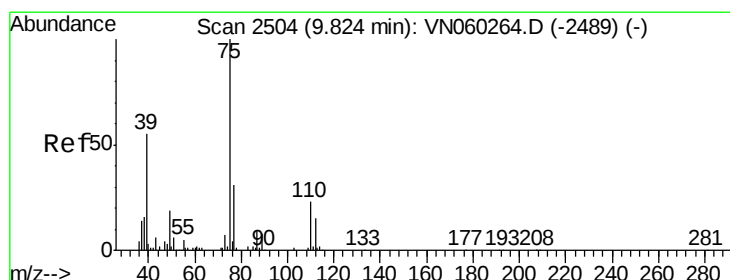
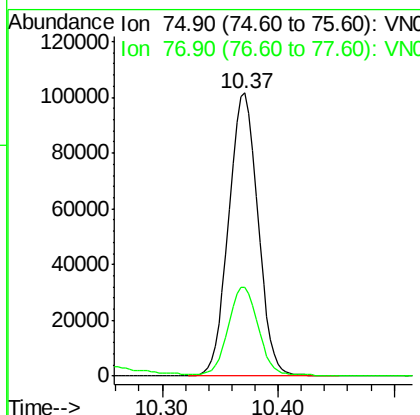
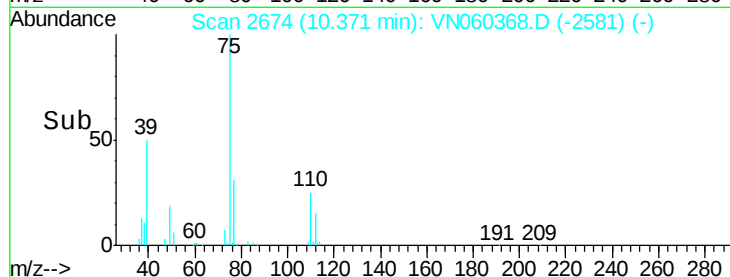
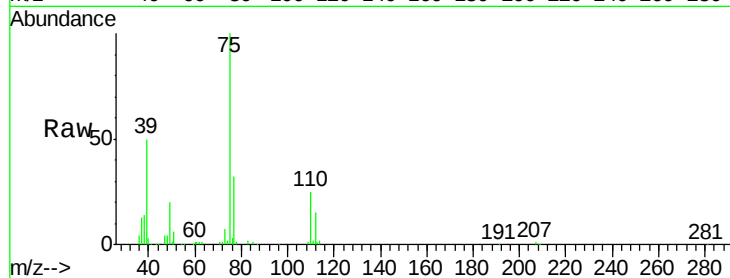
#53  
t-1,3-Dichloropropene  
Concen: 46.711 ug/l  
RT: 10.37 min Scan# 2674  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 177363  
Ion Ratio Lower Upper  
75 100  
77 31.2 24.8 37.2

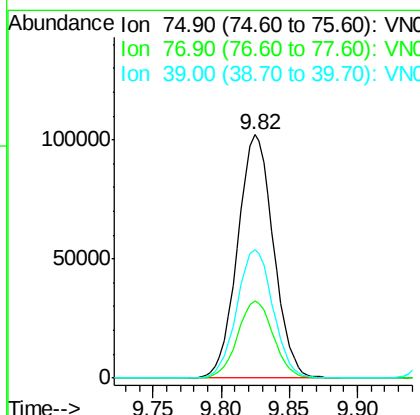
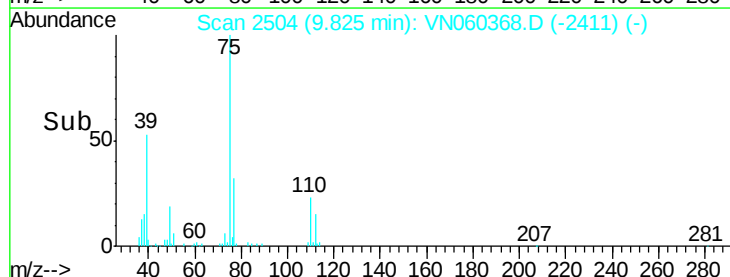
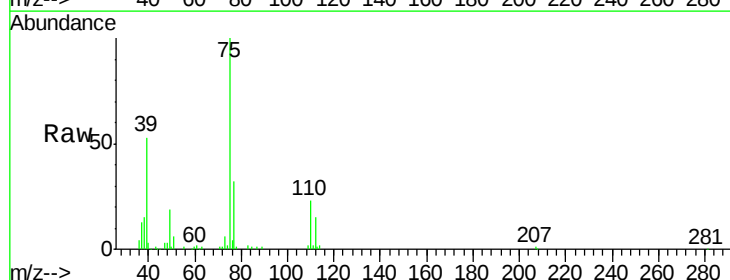
Manual Integrations  
APPROVED

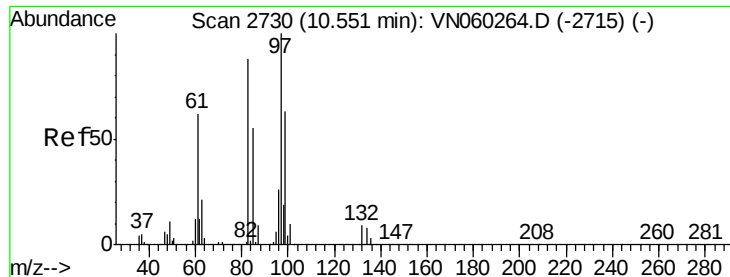
MMDadoda  
3/6/2020 11:18:20 AM



#54  
cis-1,3-Dichloropropene  
Concen: 47.478 ug/l  
RT: 9.82 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Tgt Ion: 75 Resp: 186806  
Ion Ratio Lower Upper  
75 100  
77 31.6 24.8 37.2  
39 53.0 43.8 65.8





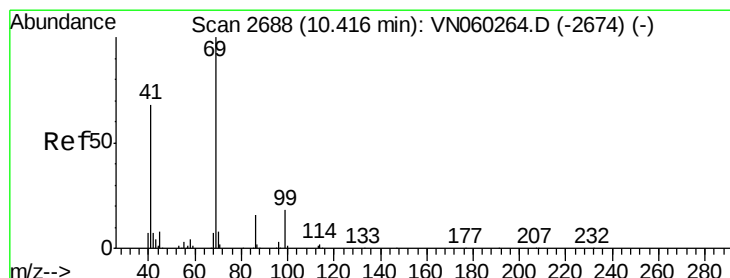
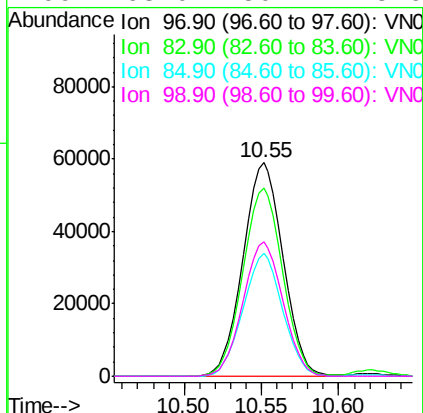
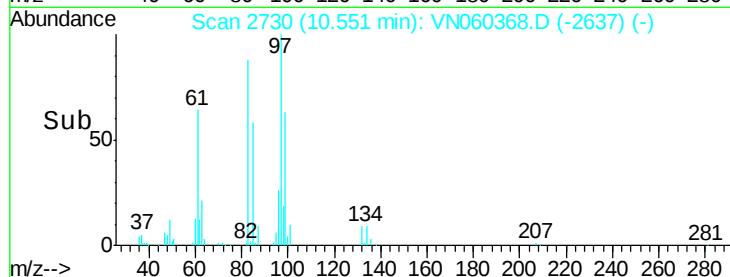
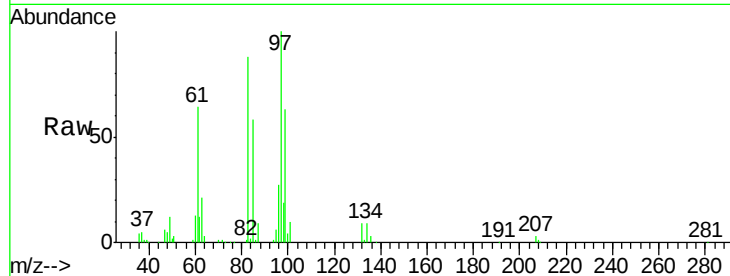
#55  
 1,1,2-Trichloroethane  
 Concen: 46.902 ug/l  
 RT: 10.55 min Scan# 2730  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 87.9  | 70.0  | 105.0 |
| 85      | 57.5  | 44.0  | 66.0  |
| 99      | 63.0  | 50.4  | 75.6  |

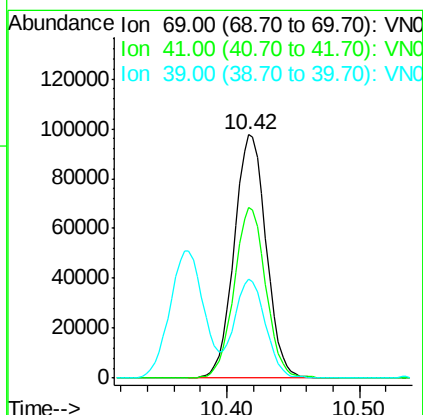
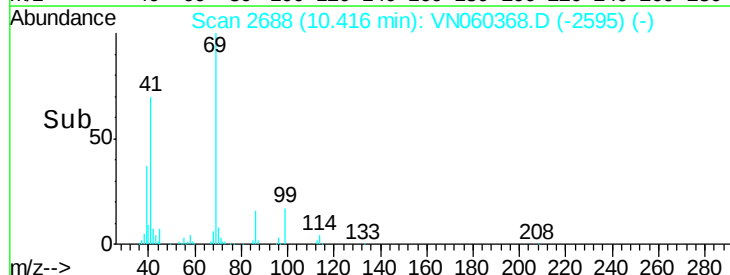
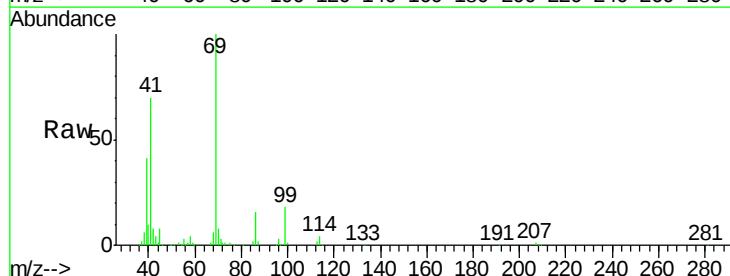
Manual Integrations  
 APPROVED

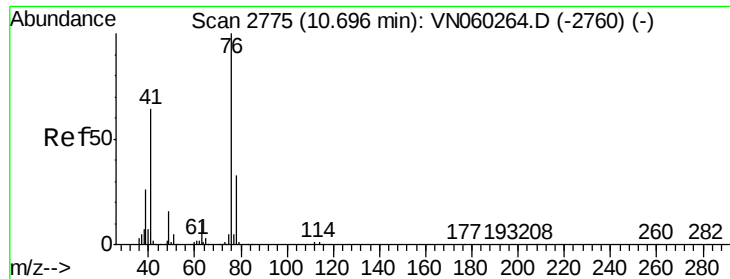
MMDadoda  
 3/6/2020 11:18:20 AM



#56  
 Ethyl methacrylate  
 Concen: 50.154 ug/l  
 RT: 10.42 min Scan# 2688  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 68.7  | 54.1  | 81.1  |
| 39      | 40.4  | 32.5  | 48.7  |





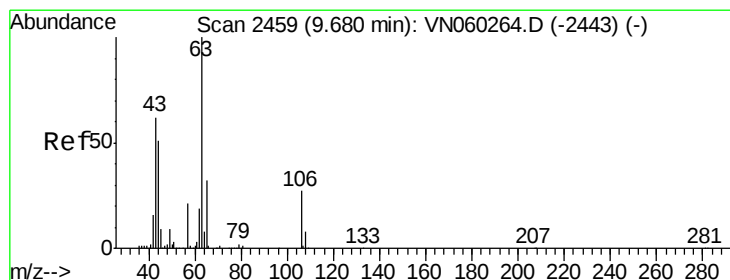
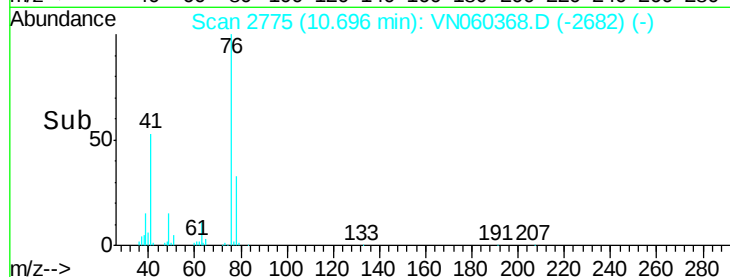
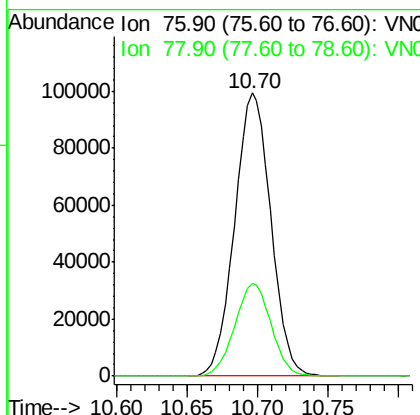
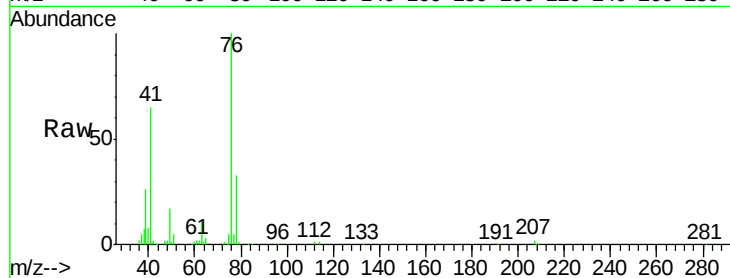
#57  
 1,3-Dichloropropane  
 Concen: 48.300 ug/l  
 RT: 10.70 min Scan# 2775  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.0  | 26.2  | 39.2  |

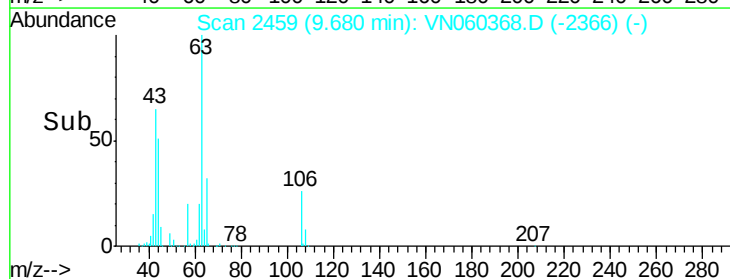
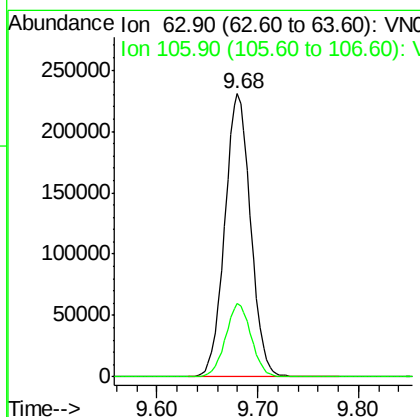
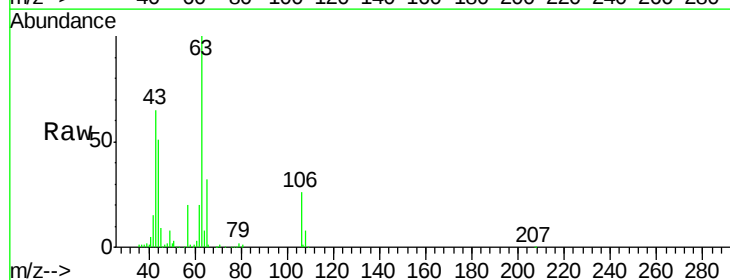
Manual Integrations  
 APPROVED

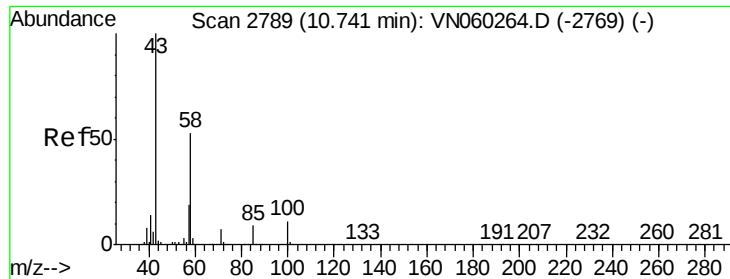
MMDadoda  
 3/6/2020 11:18:20 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 241.700 ug/l  
 RT: 9.68 min Scan# 2459  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 25.8  | 21.1  | 31.7  |





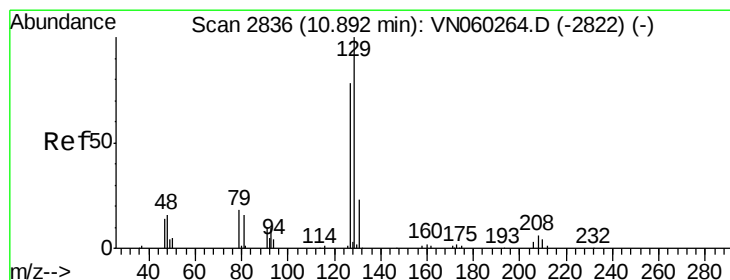
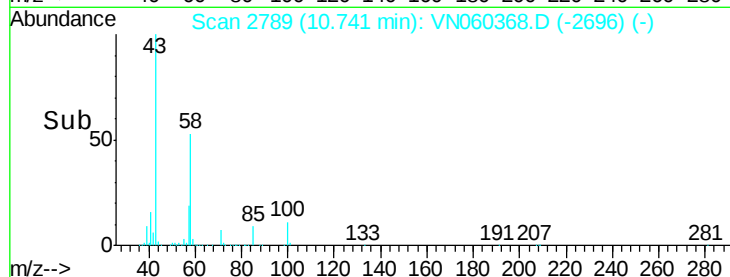
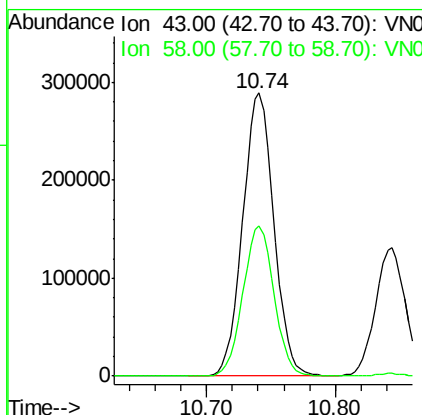
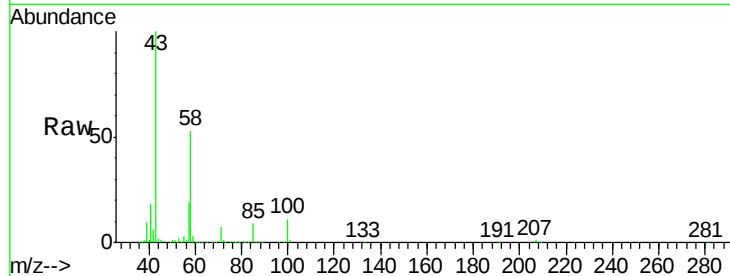
#59  
2-Hexanone  
Concen: 228.386 ug/l  
RT: 10.74 min Scan# 2789  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 486315  
Ion Ratio Lower Upper  
43 100  
58 53.1 26.5 79.5

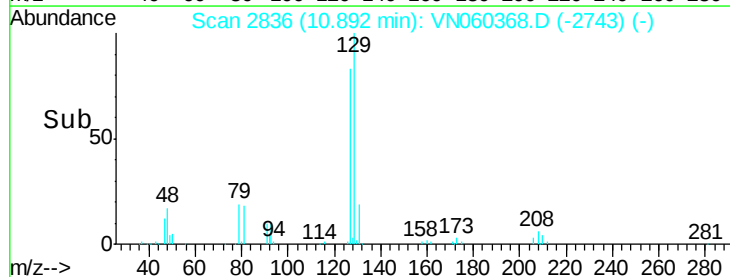
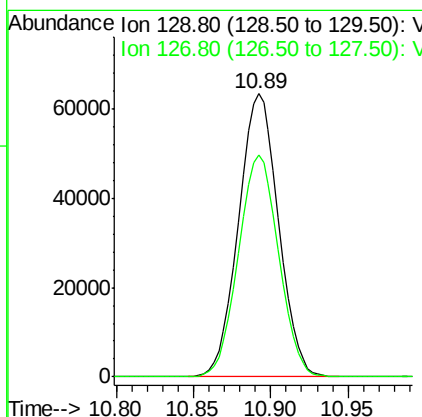
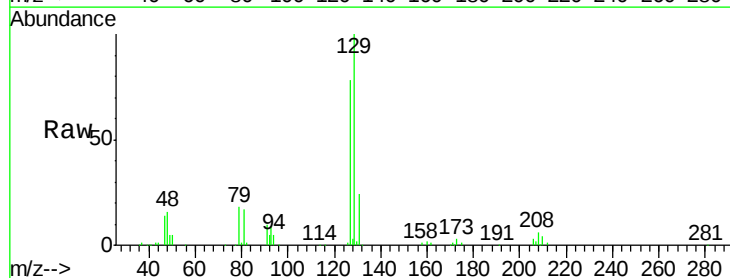
Manual Integrations  
APPROVED

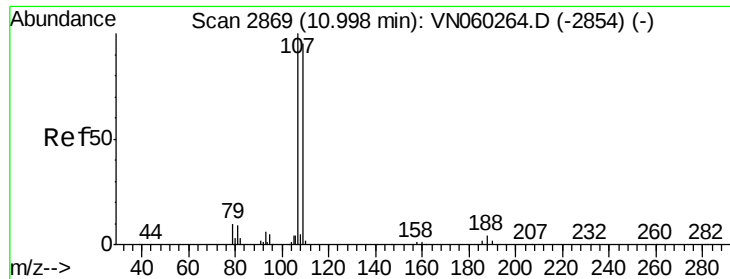
MMDadoda  
3/6/2020 11:18:20 AM



#60  
Dibromochloromethane  
Concen: 49.351 ug/l  
RT: 10.89 min Scan# 2836  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Tgt Ion: 129 Resp: 113863  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.9 116.7





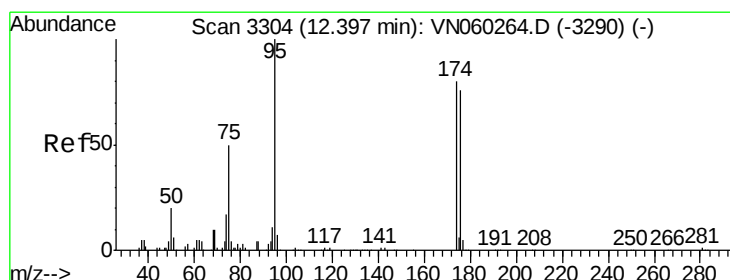
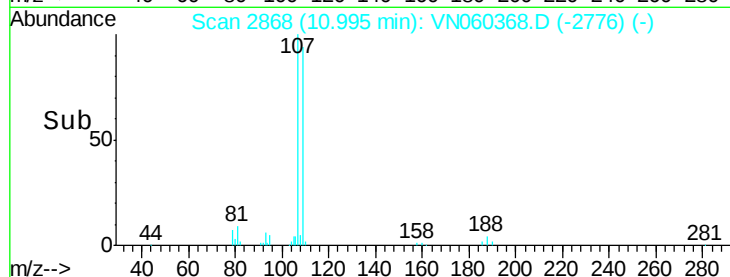
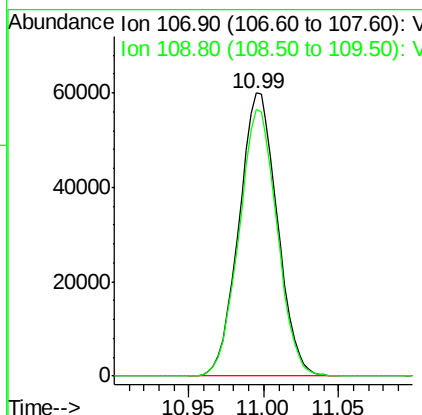
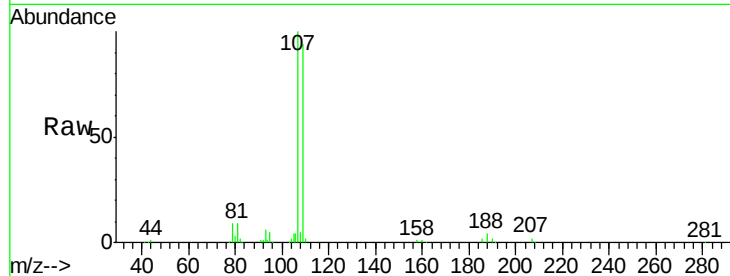
#61  
 1,2-Dibromoethane  
 Concen: 48.308 ug/l  
 RT: 10.99 min Scan# 2868  
 Delta R.T. -0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.5  | 76.8  | 115.2 |

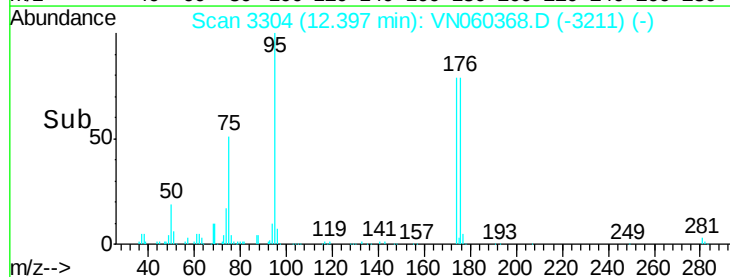
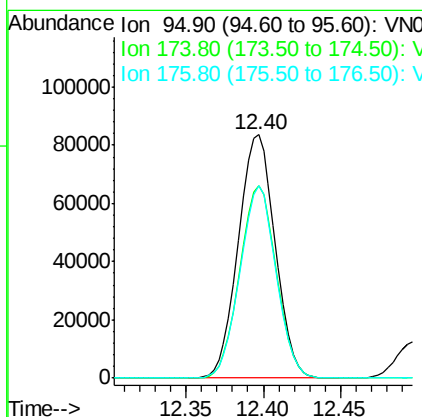
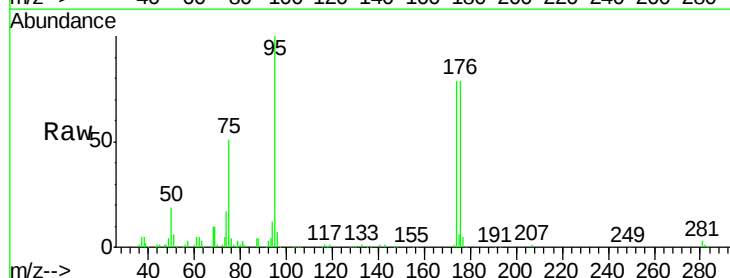
Manual Integrations  
 APPROVED

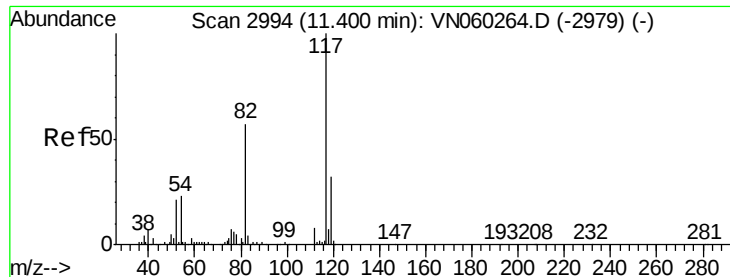
MMDadoda  
 3/6/2020 11:18:20 AM



#62  
 4-Bromofluorobenzene  
 Concen: 48.086 ug/l  
 RT: 12.40 min Scan# 3304  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 78.7  | 0.0   | 159.2 |
| 176     | 77.5  | 0.0   | 153.8 |





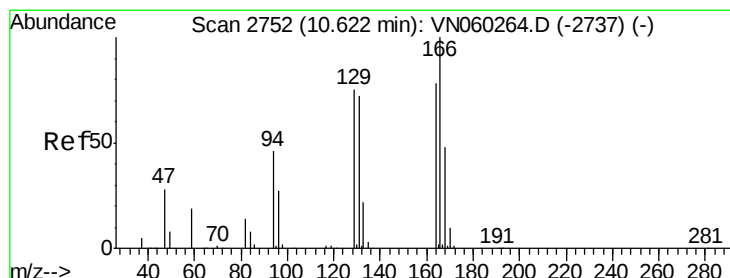
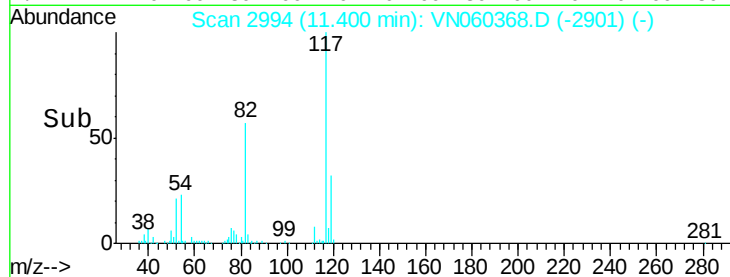
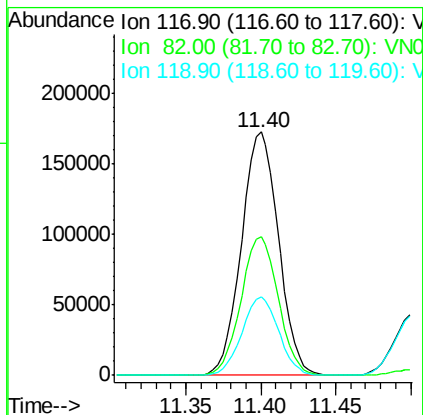
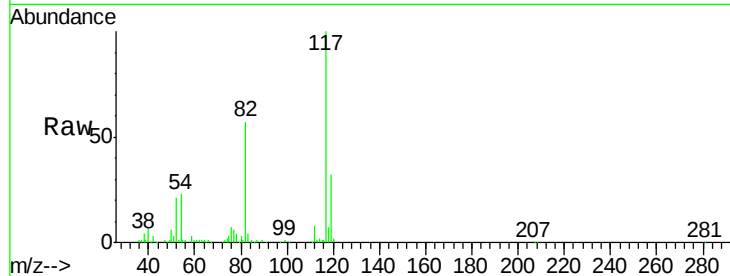
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 297747 |       |       |
| 82      | 57.0  |        | 45.8  | 68.6  |
| 119     | 32.1  |        | 25.8  | 38.8  |

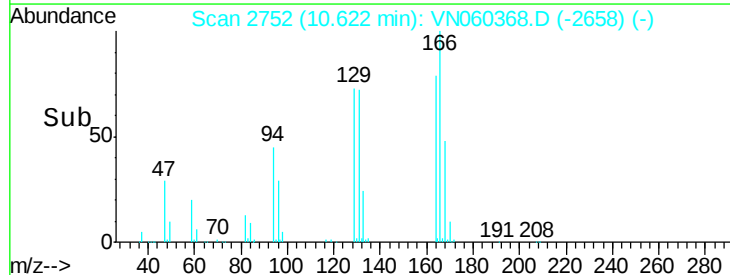
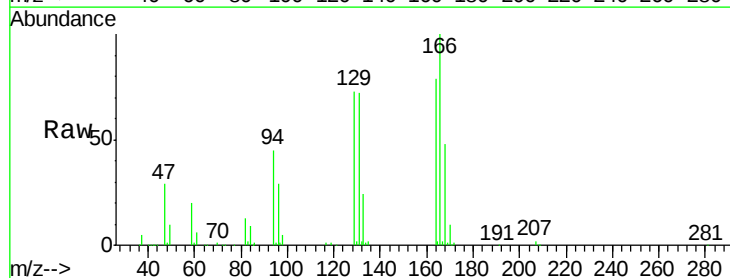
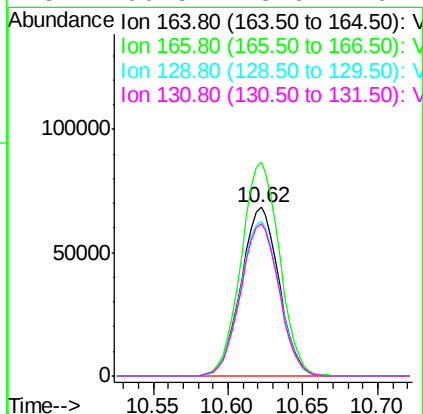
Manual Integrations  
APPROVED

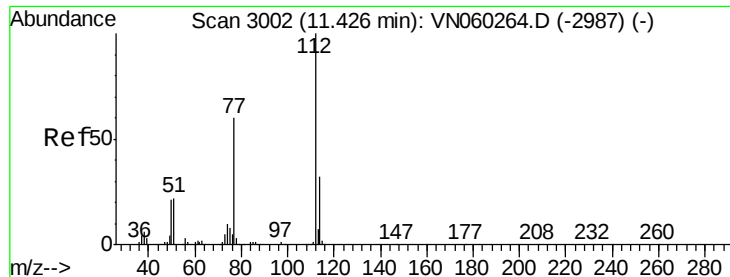
MMDadoda  
3/6/2020 11:18:20 AM



#64  
Tetrachloroethene  
Concen: 51.483 ug/l  
RT: 10.62 min Scan# 2752  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 120594 |       |       |
| 166     | 126.5 |        | 102.0 | 153.0 |
| 129     | 92.0  |        | 76.4  | 114.6 |
| 131     | 90.5  |        | 73.6  | 110.4 |





#65

Chlorobenzene

Concen: 46.087 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion:112 Resp: 277087

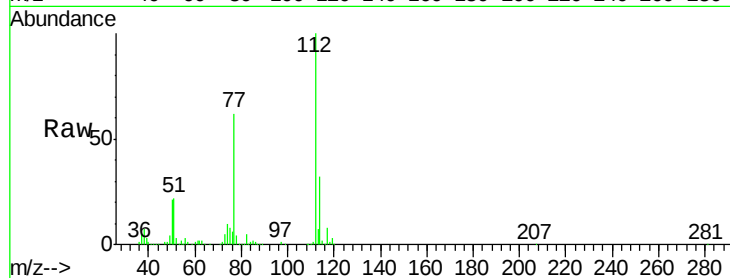
Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.0

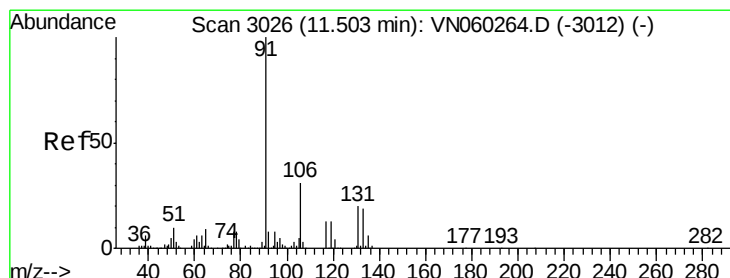
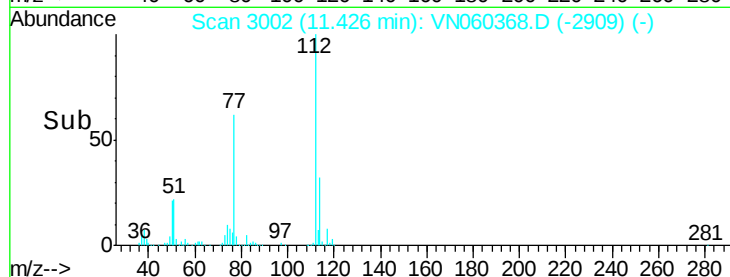
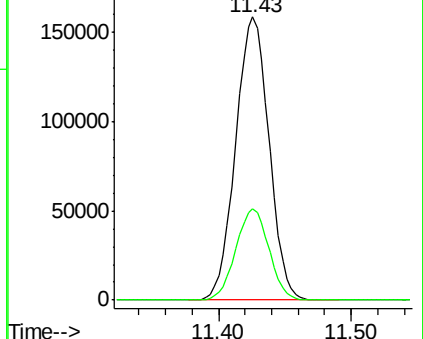
Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.963 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

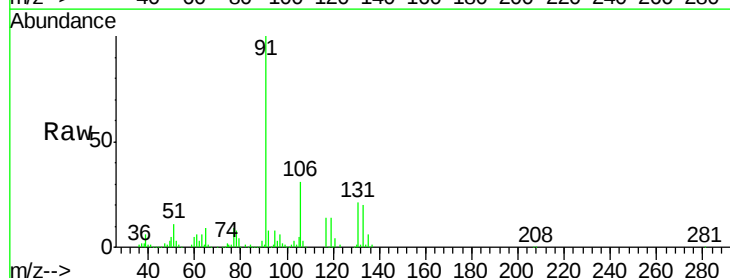
Tgt Ion:131 Resp: 106622

Ion Ratio Lower Upper

131 100

133 96.4 47.7 143.1

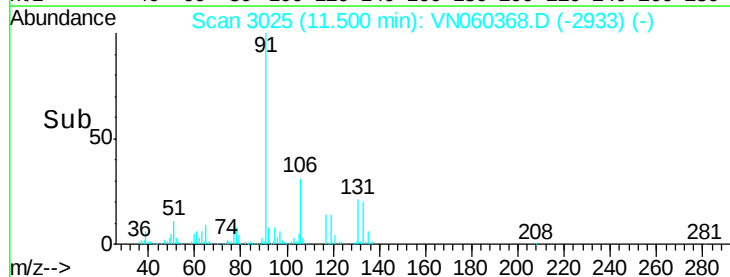
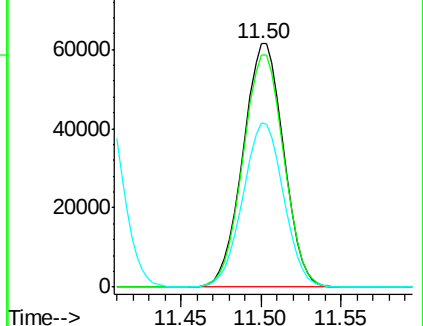
119 67.6 33.2 99.6

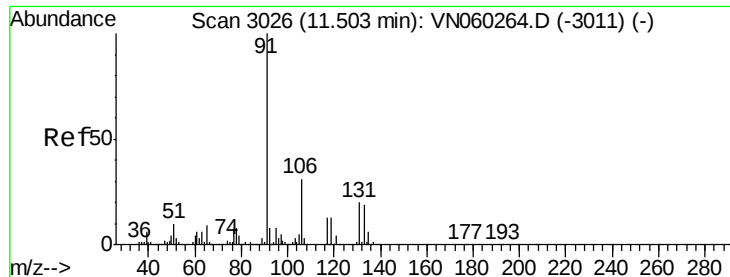


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 47.160 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 516346

Ion Ratio Lower Upper

91 100

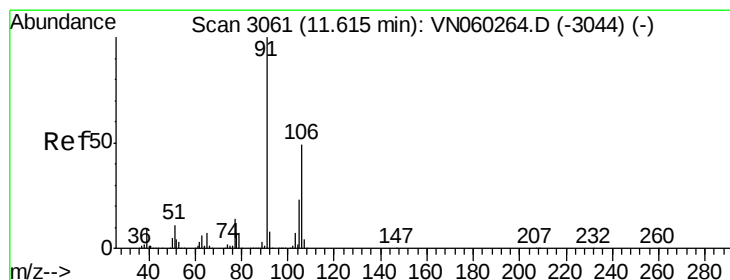
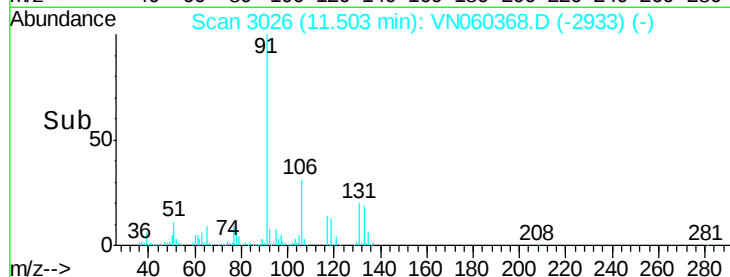
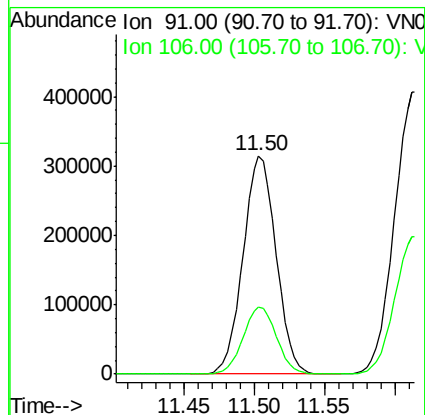
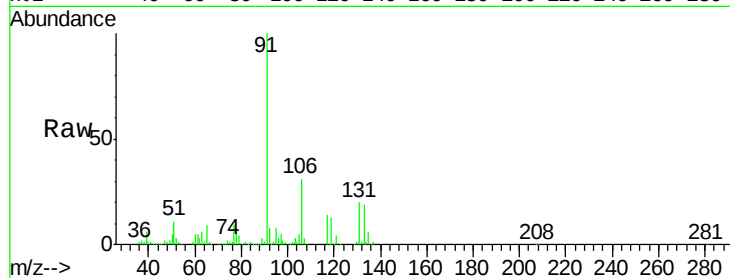
106 31.0 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:18:20 AM



#68

m/p-Xylenes

Concen: 92.999 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060368.D

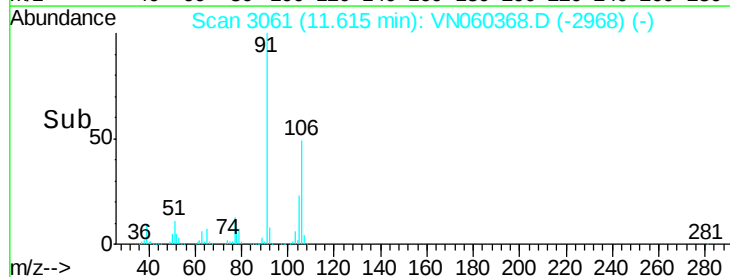
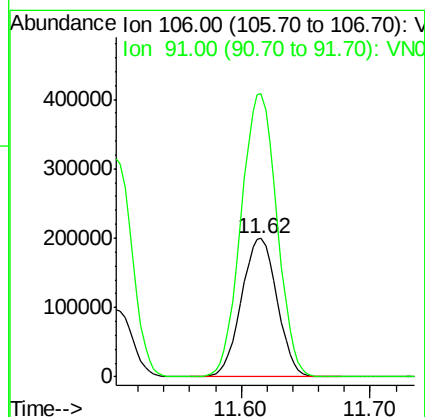
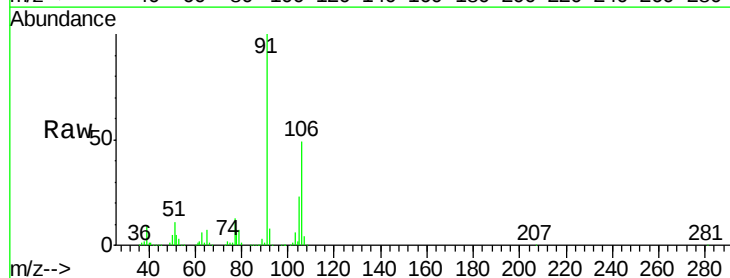
Acq: 5 Mar 2020 16:28

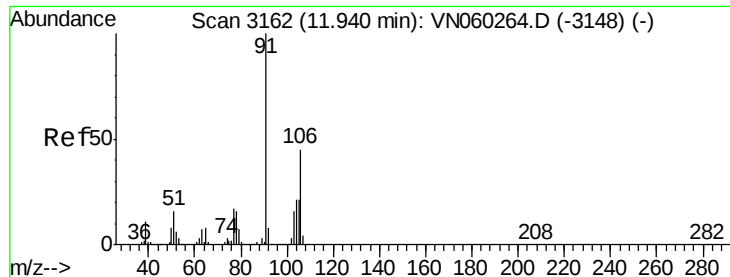
Tgt Ion: 106 Resp: 384168

Ion Ratio Lower Upper

106 100

91 205.2 164.5 246.7





#69

o-Xylene

Concen: 47.323 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion:106 Resp: 186412

Ion Ratio Lower Upper

106 100

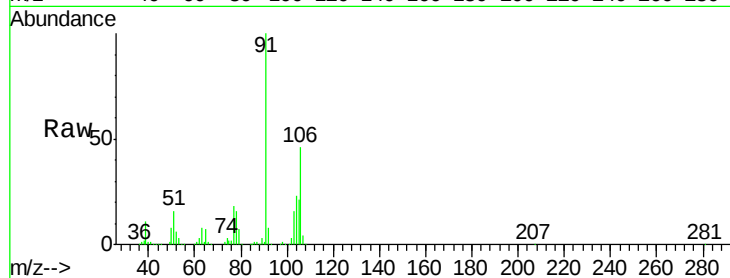
91 217.2 109.5 328.4

Manual Integrations

APPROVED

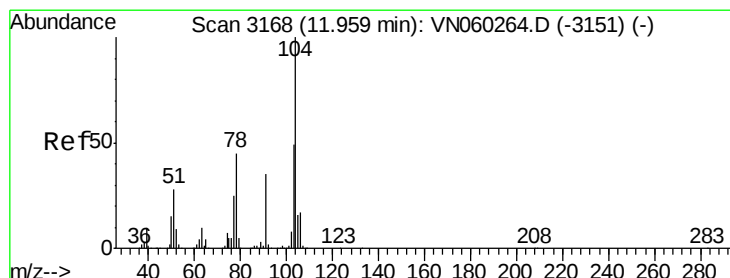
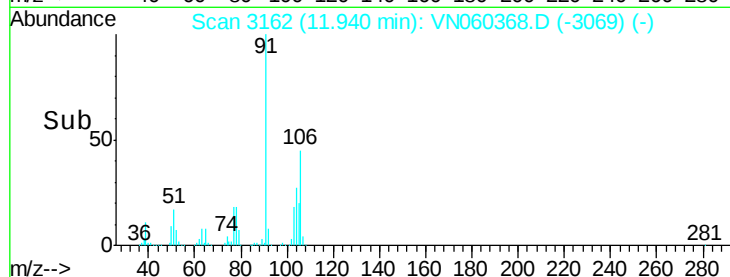
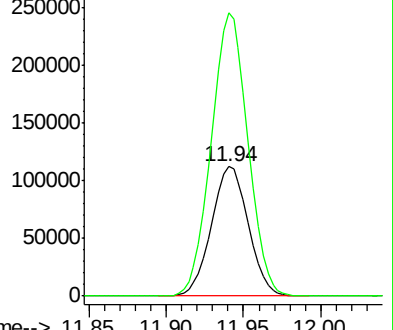
MMDadoda

3/6/2020 11:18:20 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 48.077 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

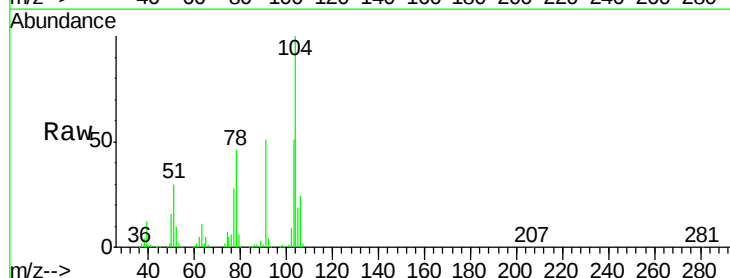
Tgt Ion:104 Resp: 311372

Ion Ratio Lower Upper

104 100

78 51.1 41.2 61.8

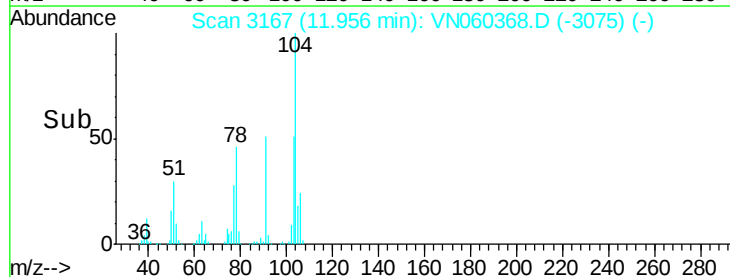
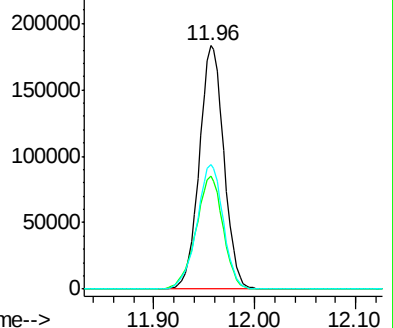
103 54.9 43.9 65.9

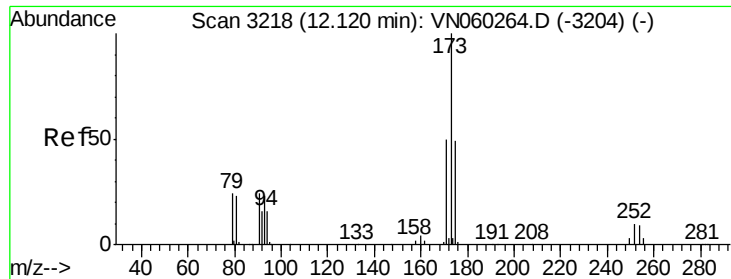


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.373 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 80705

Ion Ratio Lower Upper

173 100

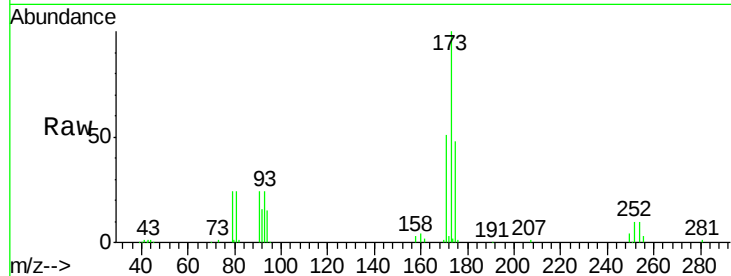
175 48.7 24.1 72.2

254 0.0 0.0 0.0

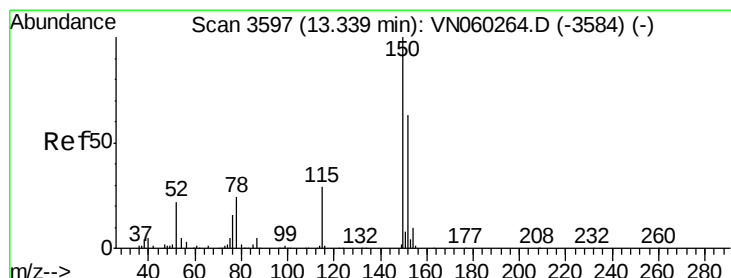
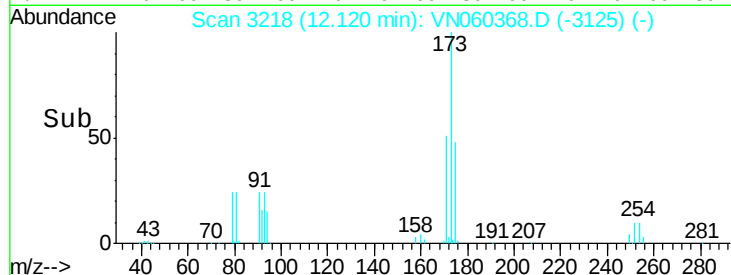
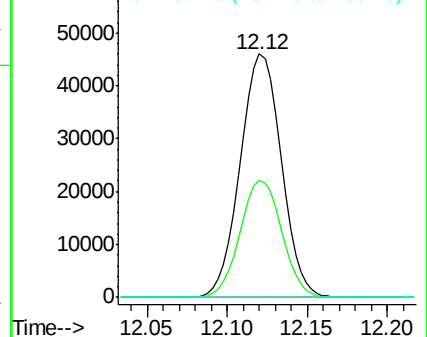
Manual Integrations  
APPROVED

MMDadoda

3/6/2020 11:18:20 AM



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: VN060368.D

Acq: 5 Mar 2020 16:28

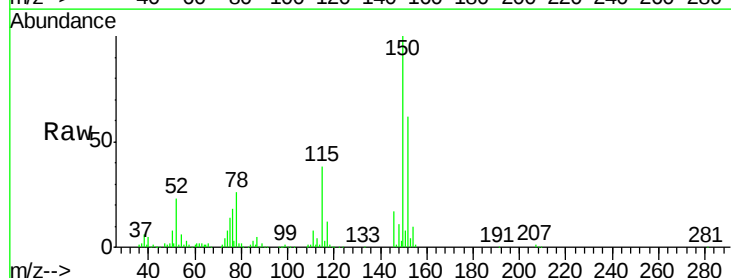
Tgt Ion:152 Resp: 143357

Ion Ratio Lower Upper

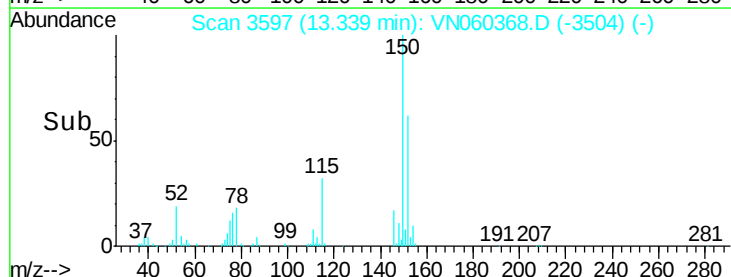
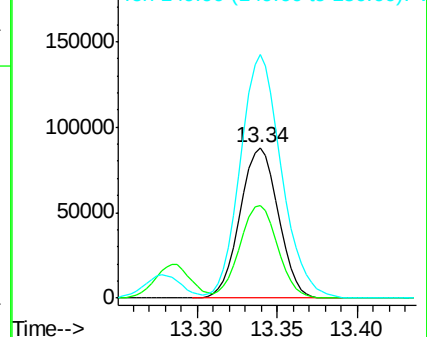
152 100

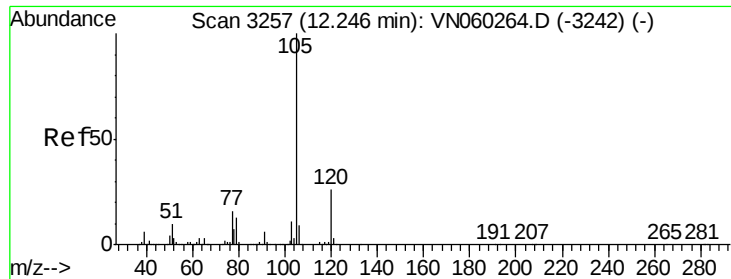
115 60.8 30.0 90.0

150 174.2 0.0 349.6



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: 47.320 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 105 Resp: 502794

Ion Ratio Lower Upper

105 100

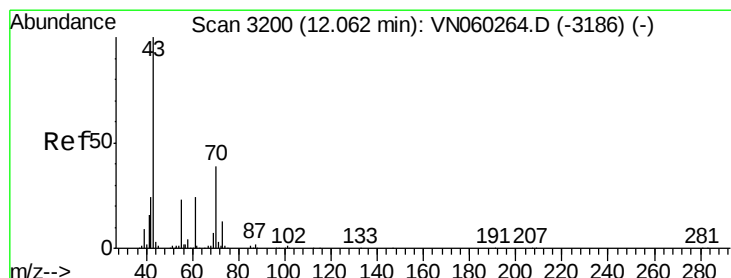
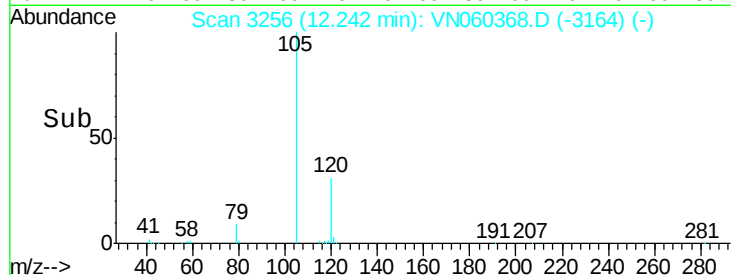
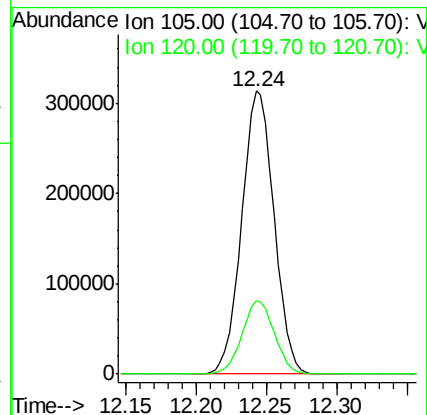
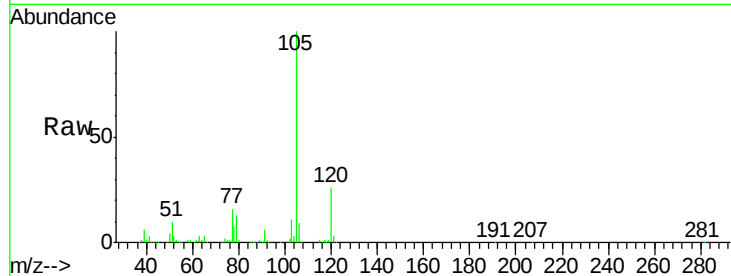
120 25.9 13.0 38.9

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:18:20 AM



#74

N-ethyl acetate

Concen: 47.188 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Tgt Ion: 43 Resp: 219097

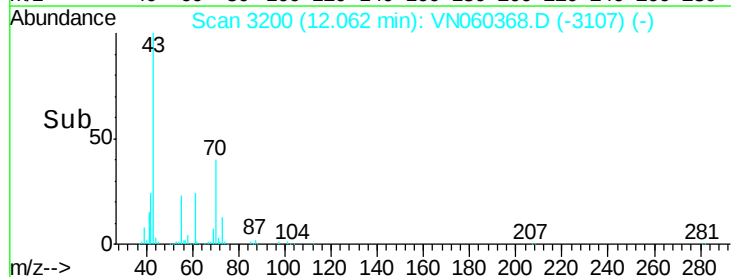
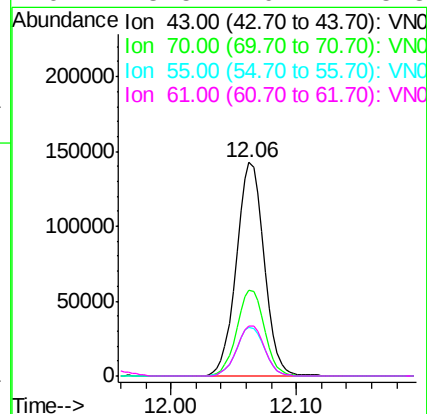
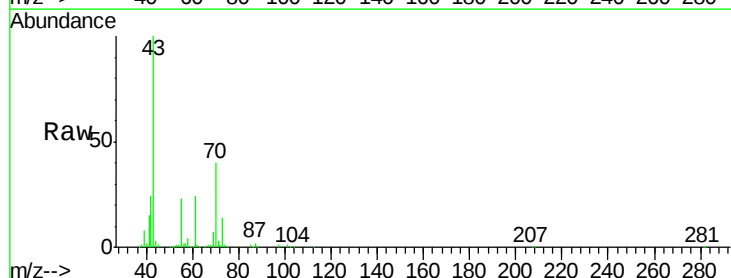
Ion Ratio Lower Upper

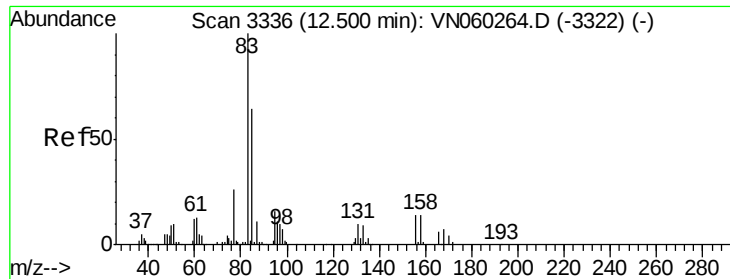
43 100

70 40.1 32.2 48.2

55 23.2 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.662 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 143436  
Ion Ratio Lower Upper

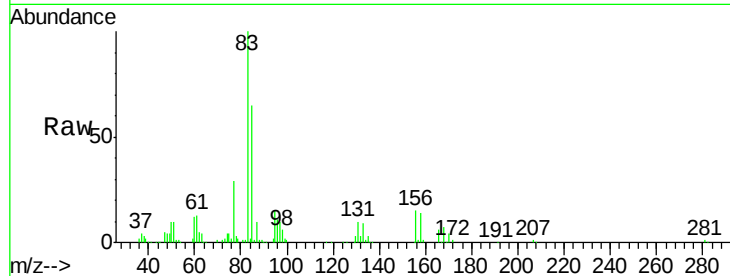
83 100

131 9.8 5.1 15.3

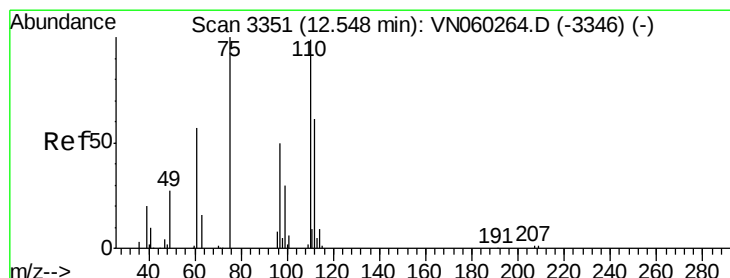
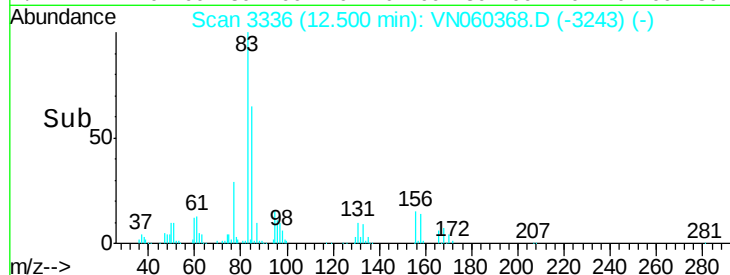
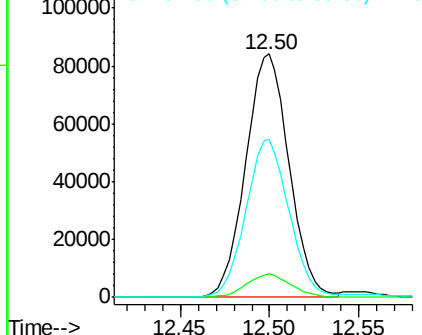
85 64.3 32.3 96.8

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060368.D (-3322) (-)  
Ion 130.80 (130.50 to 131.50): VN060368.D (-3322) (-)  
Ion 84.90 (84.60 to 85.60): VN060368.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 42.816 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

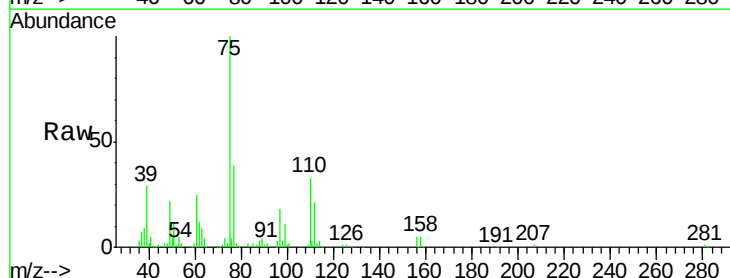
Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

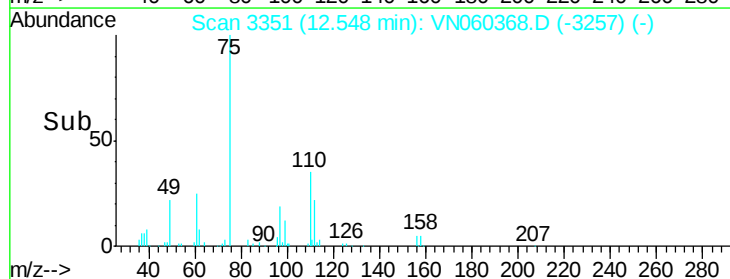
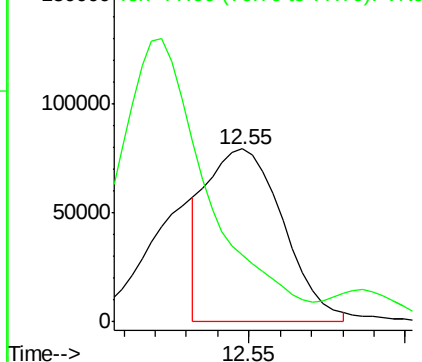
Tgt Ion: 75 Resp: 134669  
Ion Ratio Lower Upper

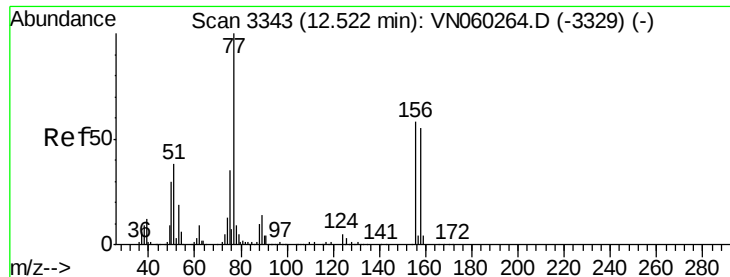
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060368.D (-3351) (-)  
Ion 77.00 (76.70 to 77.70): VN060368.D (-3351) (-)





#77

Bromobenzene

Concen: 46.699 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 121630

Ion Ratio Lower Upper

156 100

77 213.8 106.1 318.3

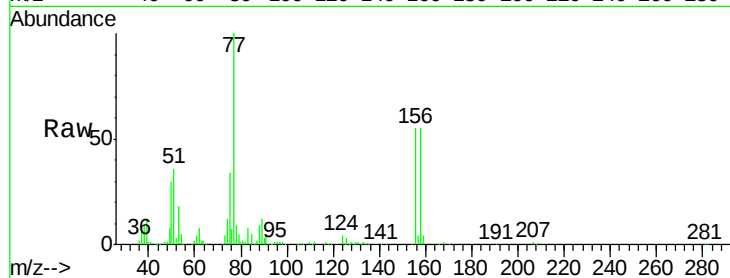
158 98.0 48.3 144.8

Manual Integrations

APPROVED

MMDadoda

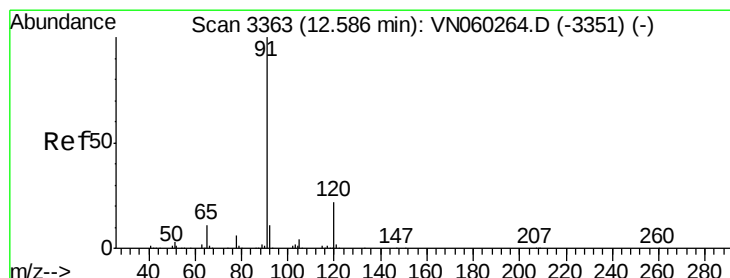
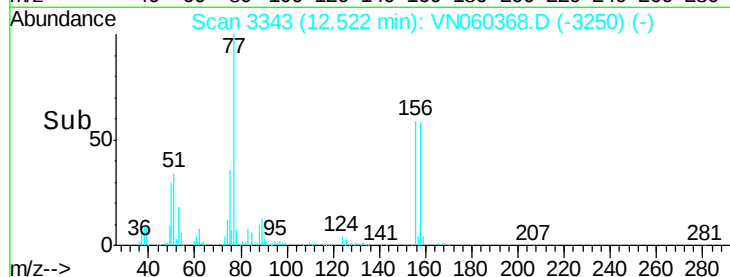
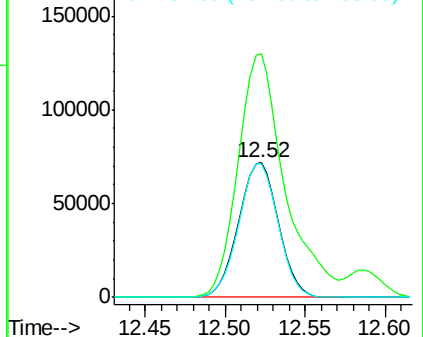
3/6/2020 11:18:20 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.976 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060368.D

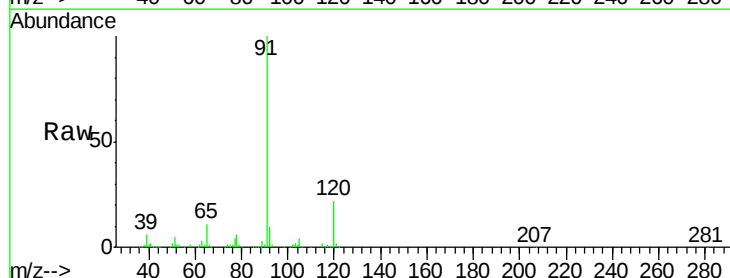
Acq: 5 Mar 2020 16:28

Tgt Ion: 91 Resp: 585079

Ion Ratio Lower Upper

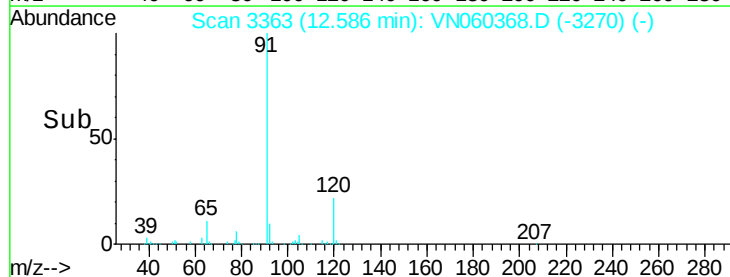
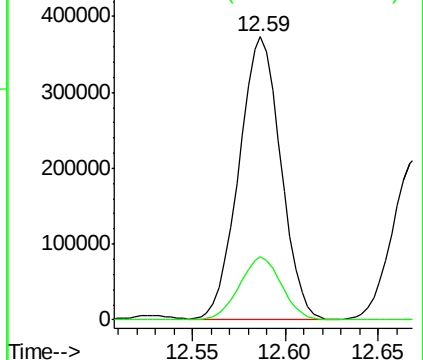
91 100

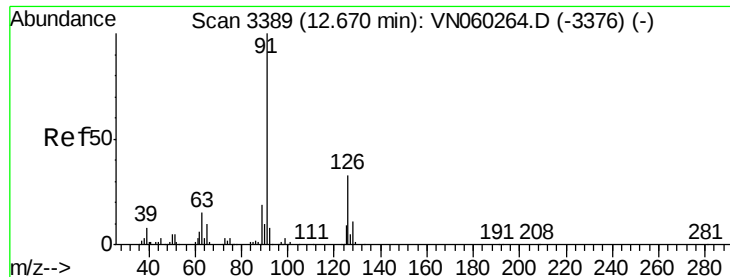
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





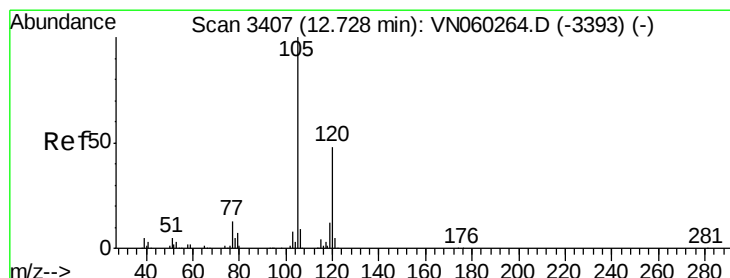
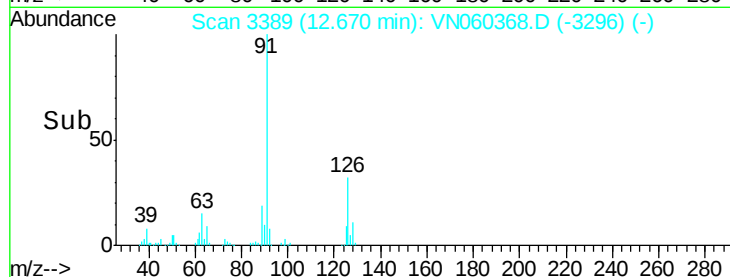
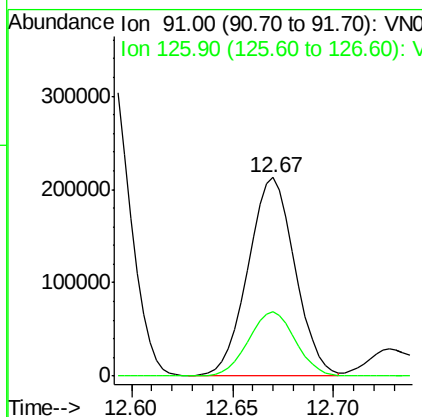
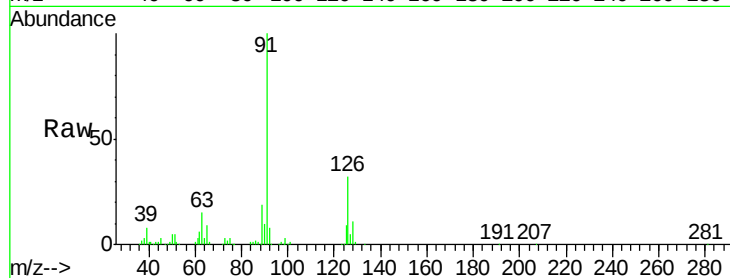
#79  
2-Chlorotoluene  
Concen: 47.153 ug/l  
RT: 12.67 min Scan# 3389  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 91 Resp: 345223  
Ion Ratio Lower Upper  
91 100  
126 32.9 16.6 49.8

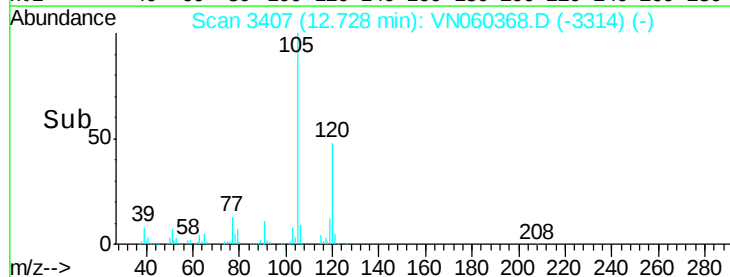
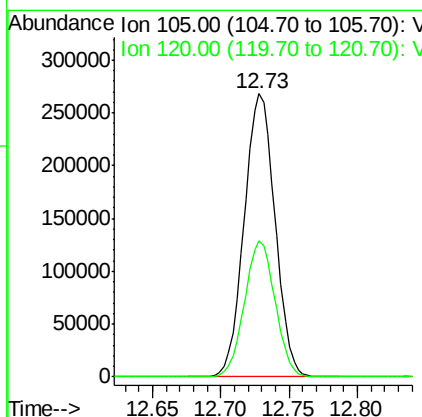
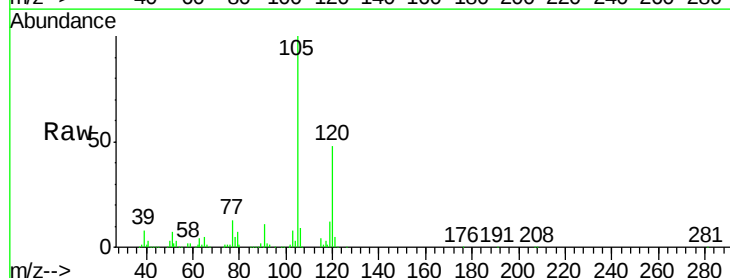
Manual Integrations  
APPROVED

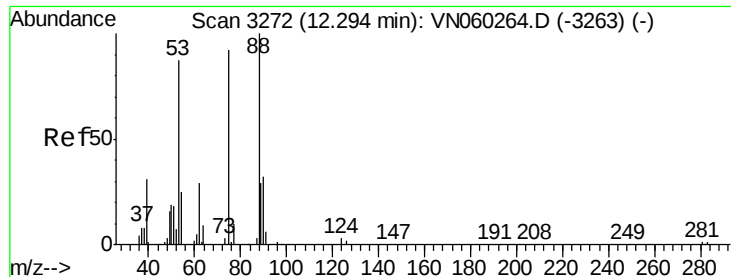
MMDadoda  
3/6/2020 11:18:20 AM



#80  
1,3,5-Trimethylbenzene  
Concen: 47.022 ug/l  
RT: 12.73 min Scan# 3407  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Tgt Ion: 105 Resp: 420664  
Ion Ratio Lower Upper  
105 100  
120 47.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.849 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 55658

Ion Ratio Lower Upper

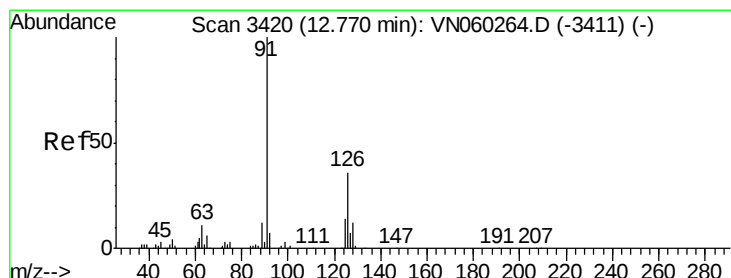
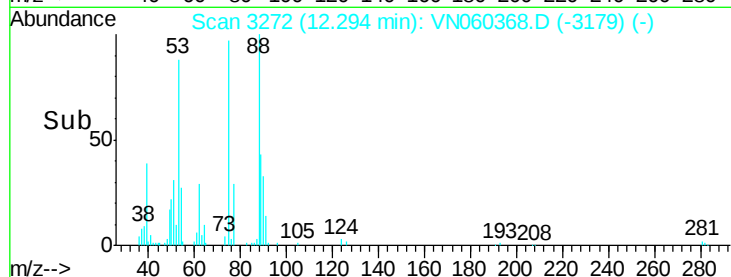
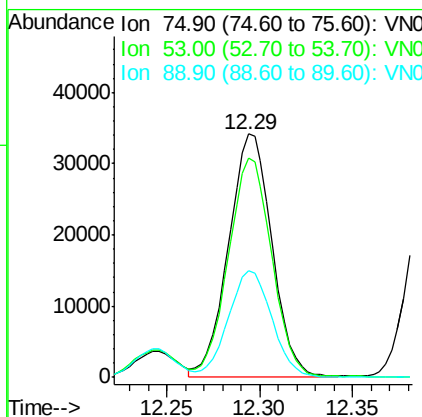
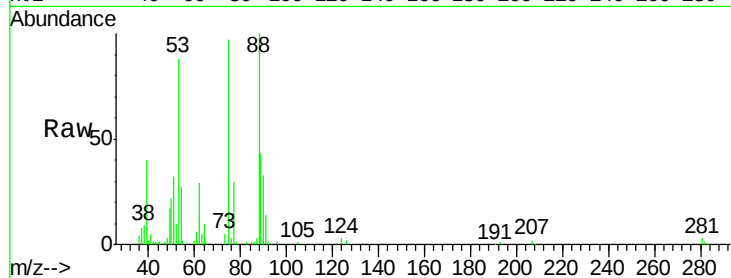
75 100

53 89.9 73.8 110.6

89 43.9 57.1 85.7#

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



#82

4-Chlorotoluene

Concen: 46.244 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060368.D

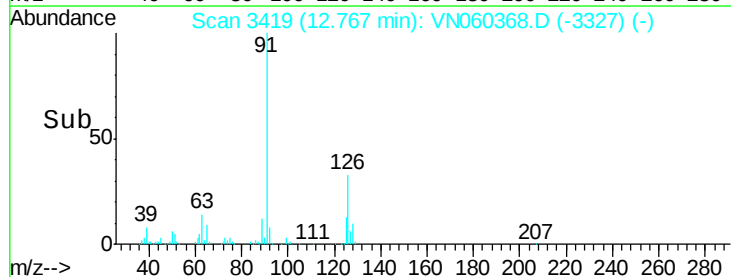
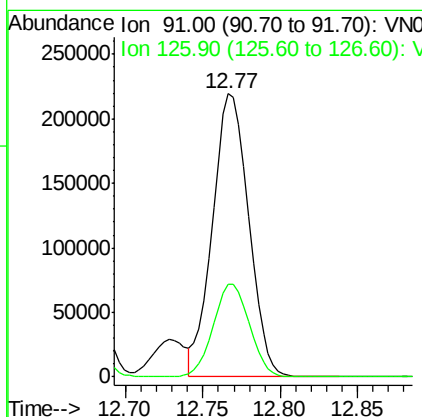
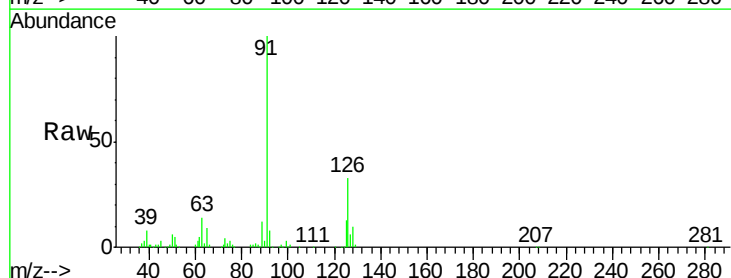
Acq: 5 Mar 2020 16:28

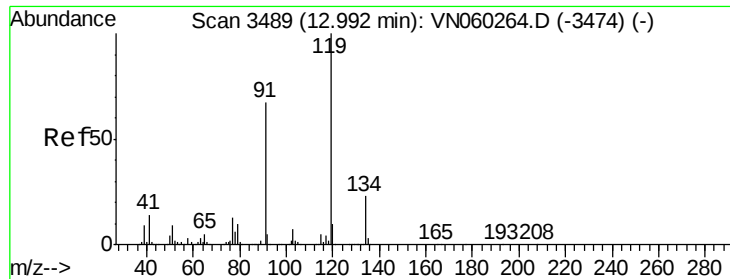
Tgt Ion: 91 Resp: 356706

Ion Ratio Lower Upper

91 100

126 33.0 16.7 50.1





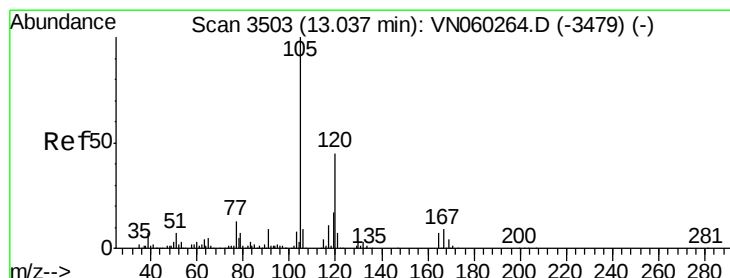
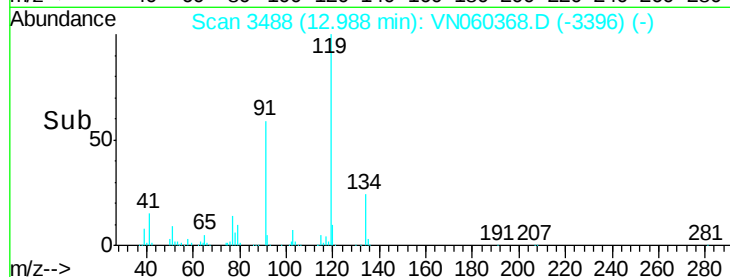
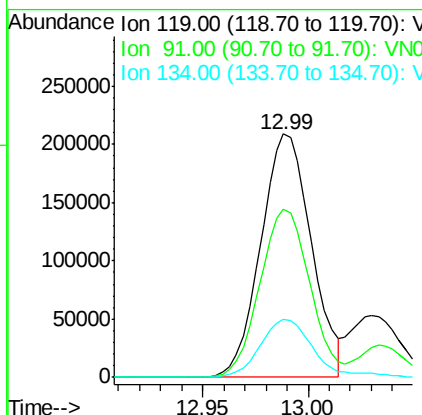
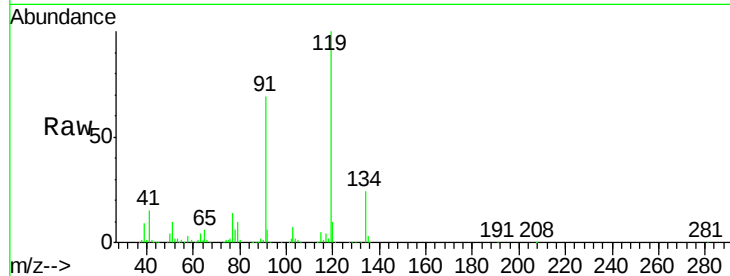
#83  
 tert-Butylbenzene  
 Concen: 44.992 ug/l  
 RT: 12.99 min Scan# 3488  
 Delta R.T. -0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.4  | 33.1  | 99.2  |
| 134     | 25.1  | 12.4  | 37.0  |

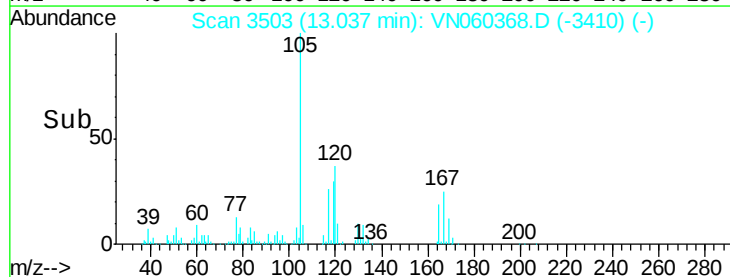
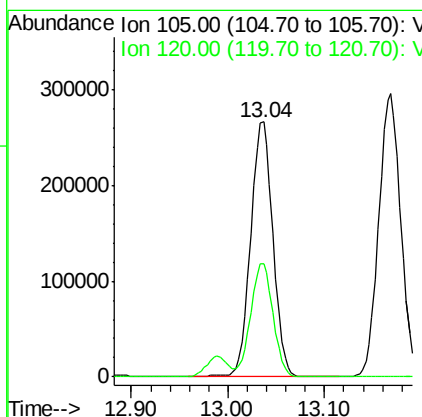
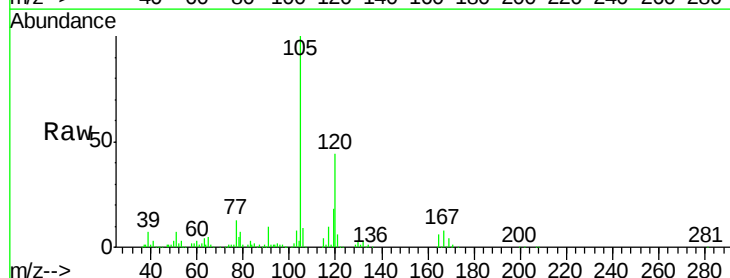
Manual Integrations  
 APPROVED

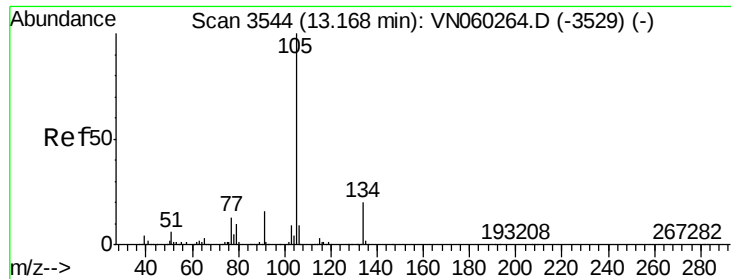
MMDadoda  
 3/6/2020 11:18:20 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 47.099 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.3  | 22.3  | 66.9  |





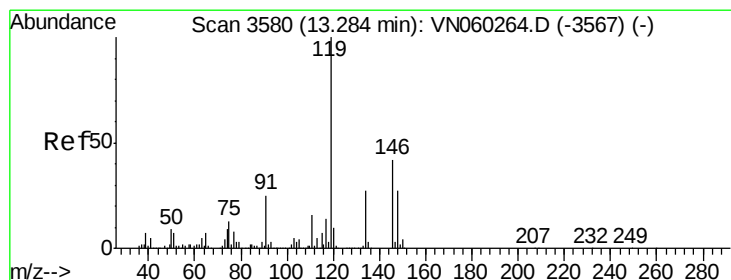
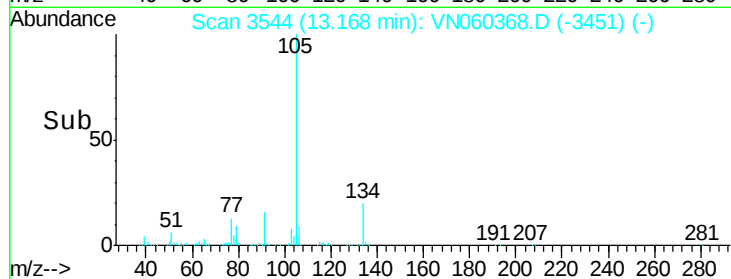
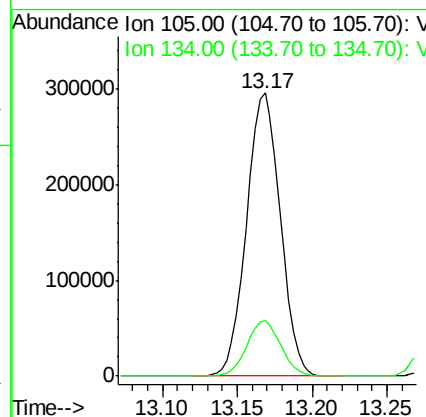
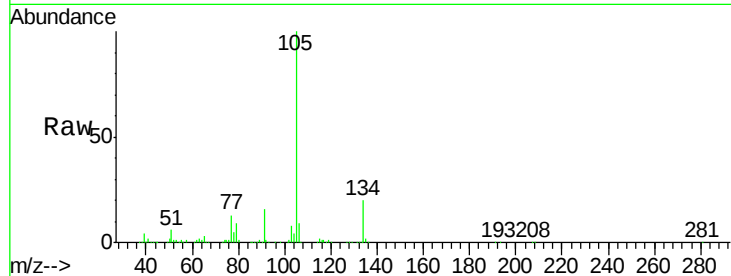
#85  
 sec-Butylbenzene  
 Concen: 44.829 ug/l  
 RT: 13.17 min Scan# 3544  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.6  | 9.8   | 29.5  |

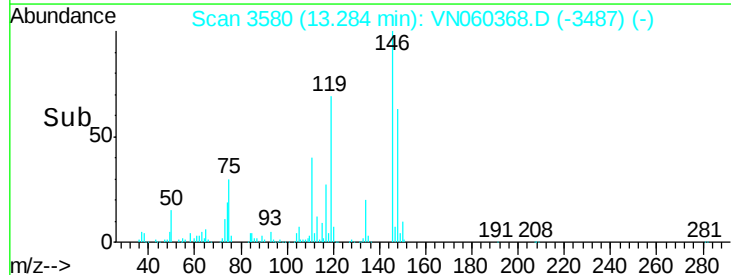
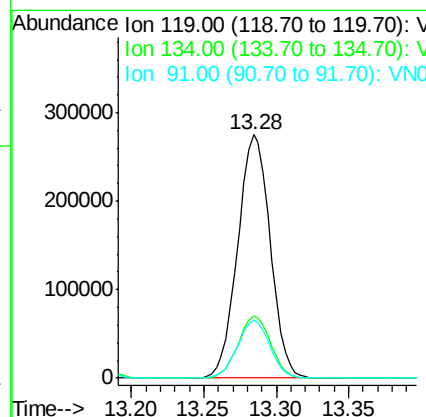
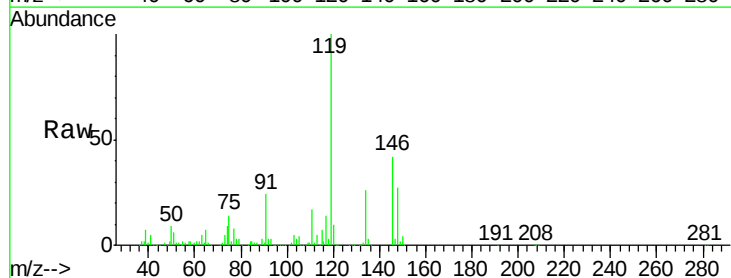
Manual Integrations  
 APPROVED

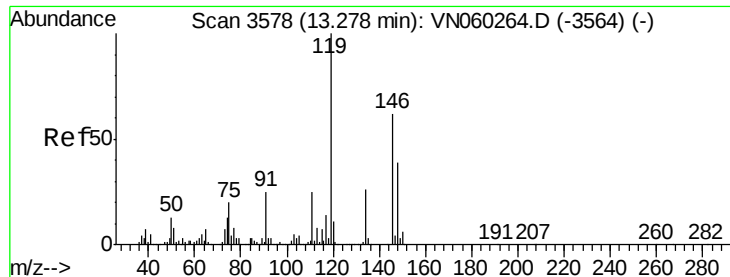
MMDadoda  
 3/6/2020 11:18:20 AM



#86  
 p-Isopropyltoluene  
 Concen: 44.329 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.7  | 13.2  | 39.6  |
| 91      | 23.9  | 12.2  | 36.6  |





#87

1,3-Dichlorobenzene

Concen: 48.854 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060368.D

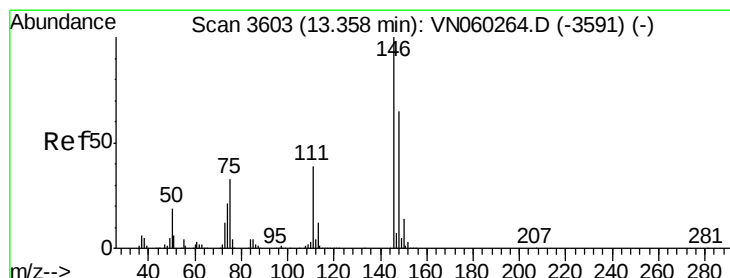
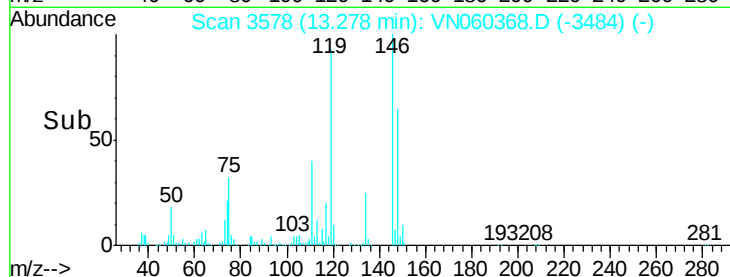
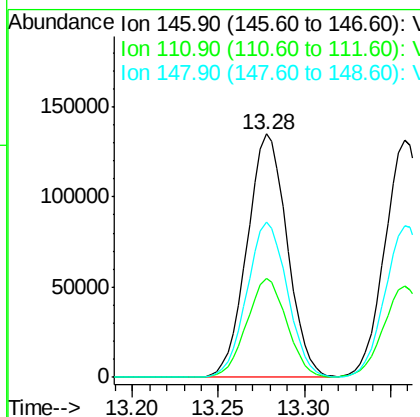
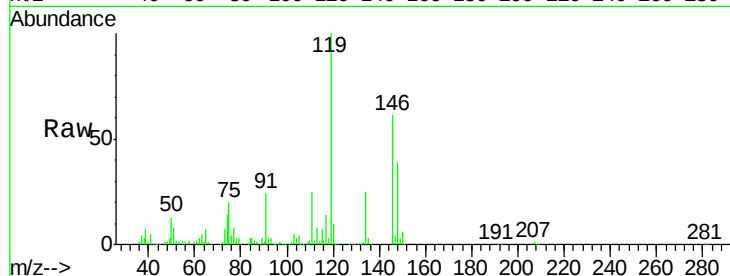
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.5  | 20.0  | 59.9  |
| 148     | 64.1  | 32.1  | 96.3  |

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



#88

1,4-Dichlorobenzene

Concen: 49.085 ug/l

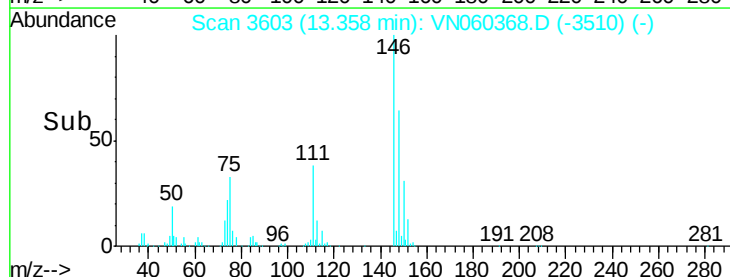
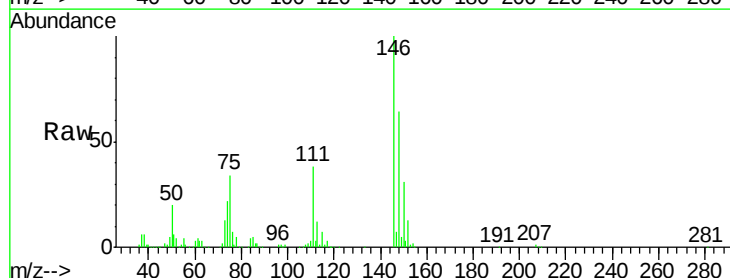
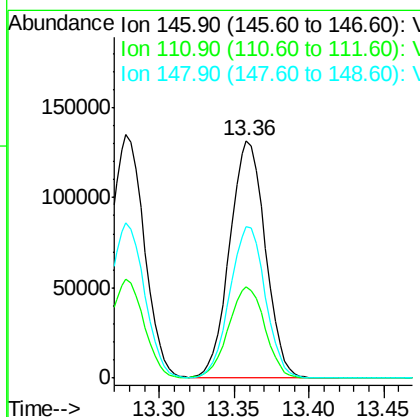
RT: 13.36 min Scan# 3603

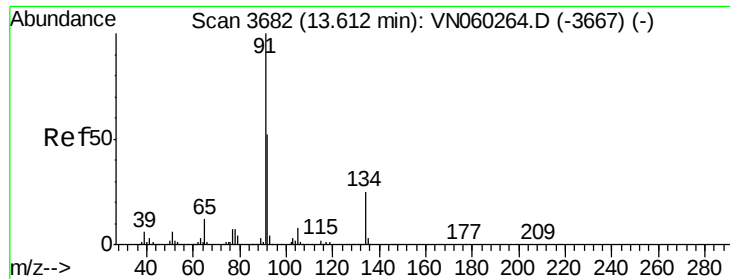
Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.8  | 59.4  |
| 148     | 64.0  | 32.3  | 96.9  |





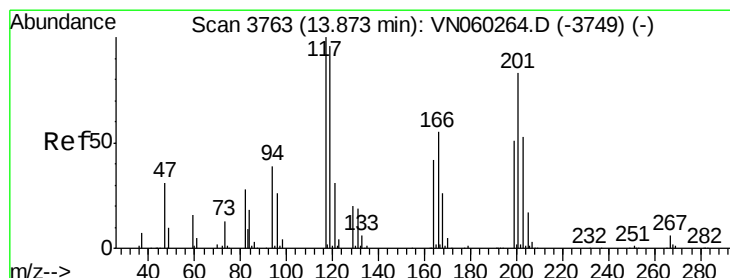
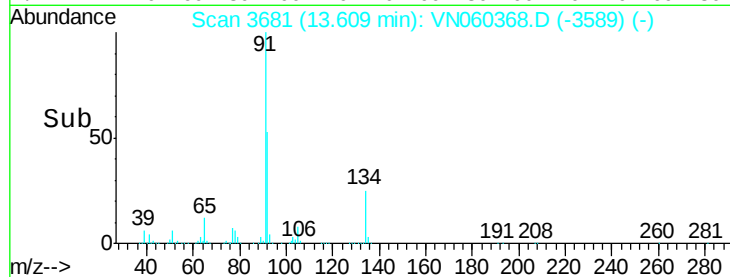
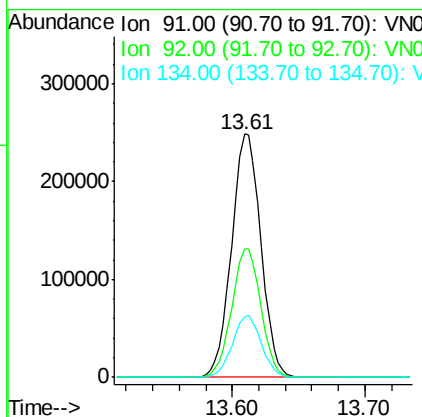
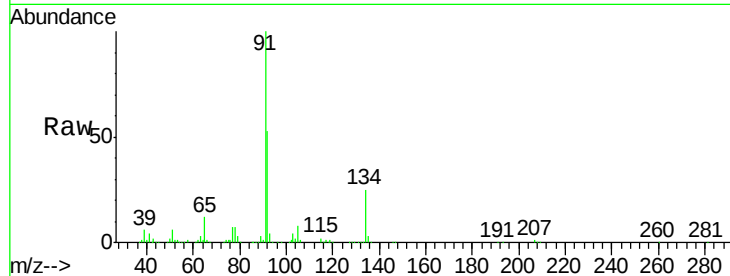
#89  
n-Butylbenzene  
Concen: 43.250 ug/l  
RT: 13.61 min Scan# 3681  
Delta R.T. -0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.5  | 26.0  | 78.0  |
| 134     | 24.9  | 12.7  | 38.1  |

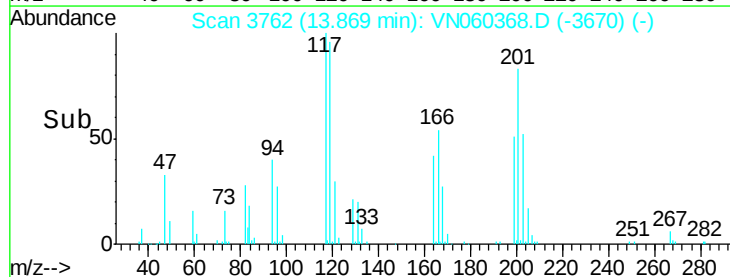
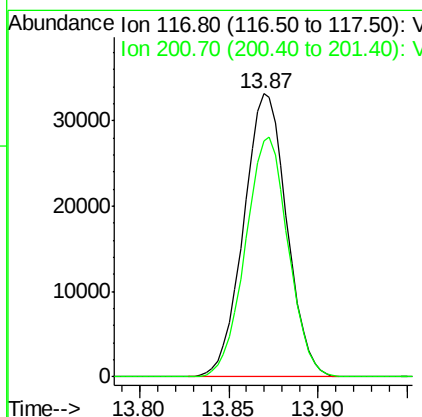
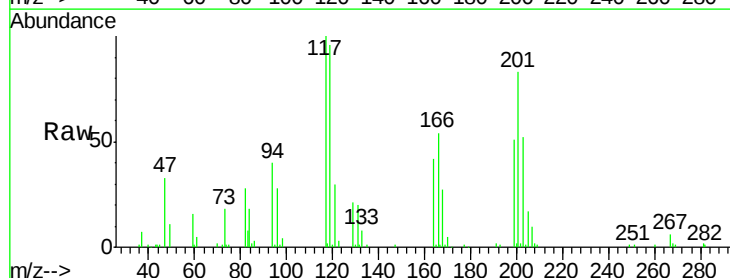
Manual Integrations  
APPROVED

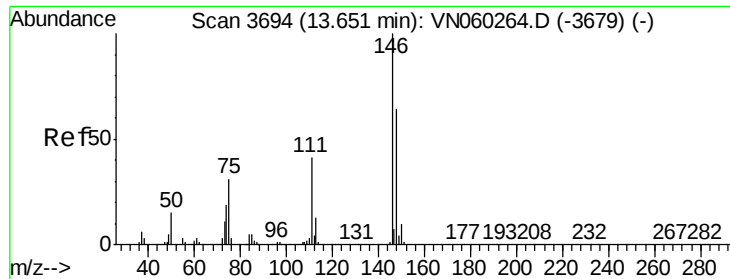
MMDadoda  
3/6/2020 11:18:20 AM



#90  
Hexachloroethane  
Concen: 40.293 ug/l  
RT: 13.87 min Scan# 3762  
Delta R.T. -0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 84.1  | 41.0  | 123.0 |





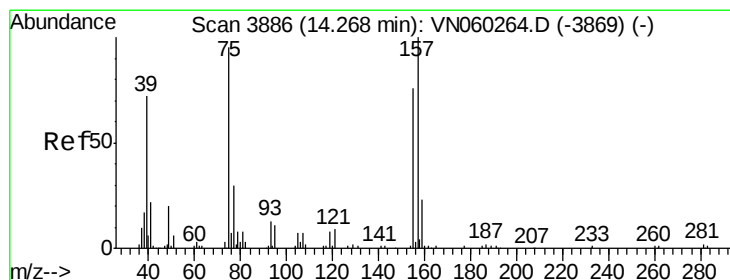
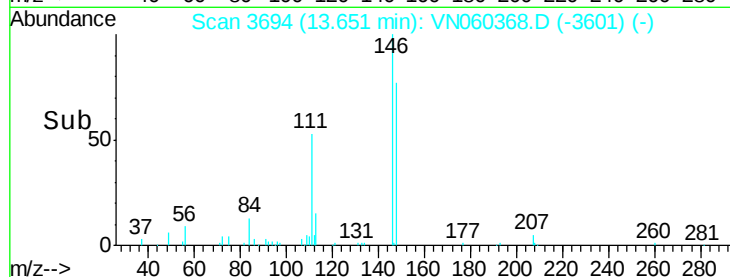
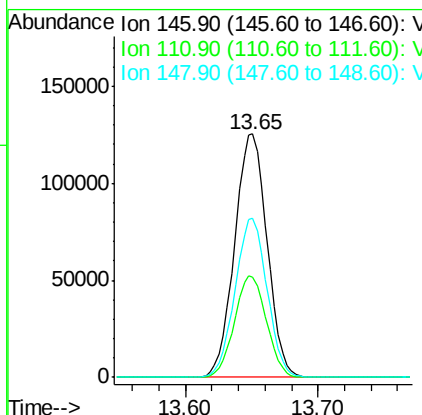
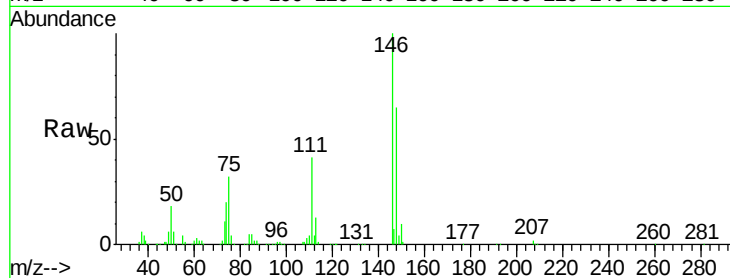
#91  
 1,2-Dichlorobenzene  
 Concen: 46.653 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.3  | 20.3  | 61.0  |
| 148     | 64.4  | 31.8  | 95.3  |

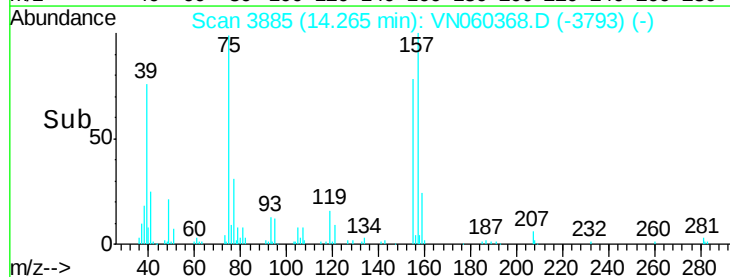
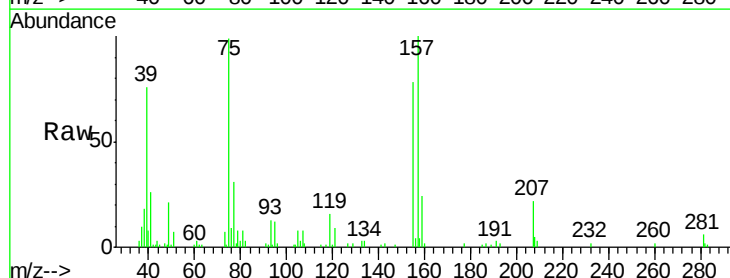
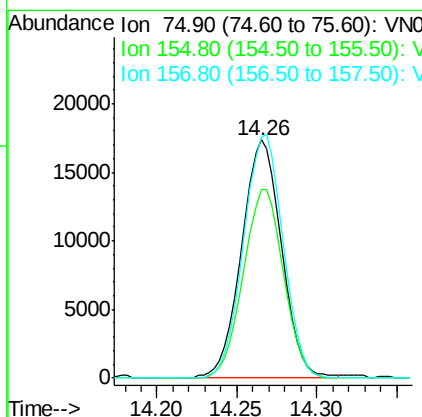
Manual Integrations  
 APPROVED

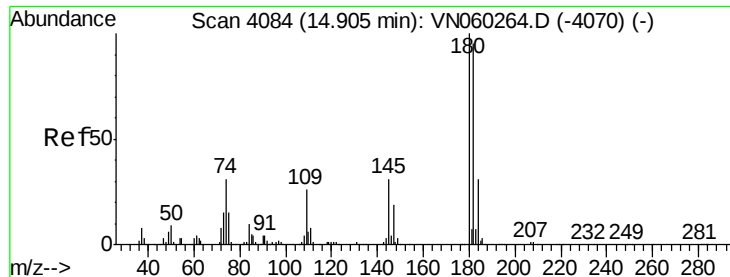
MMDadoda  
 3/6/2020 11:18:20 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.282 ug/l  
 RT: 14.26 min Scan# 3885  
 Delta R.T. -0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.5  | 40.4  | 121.2 |
| 157     | 101.4 | 52.5  | 157.5 |





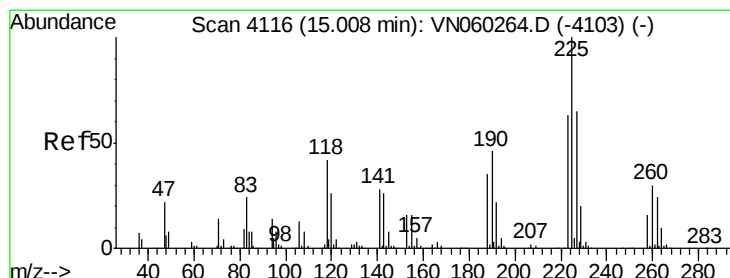
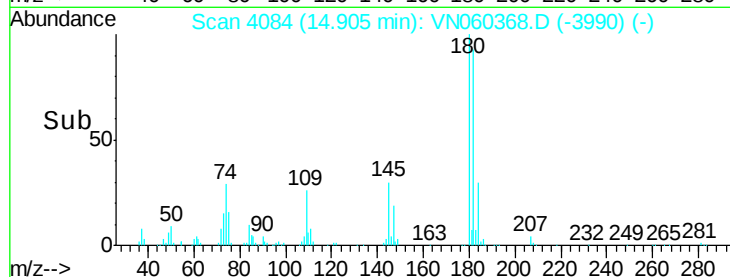
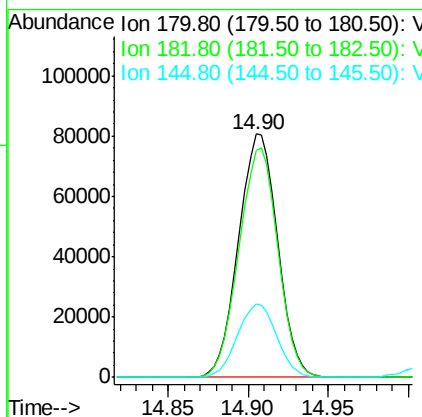
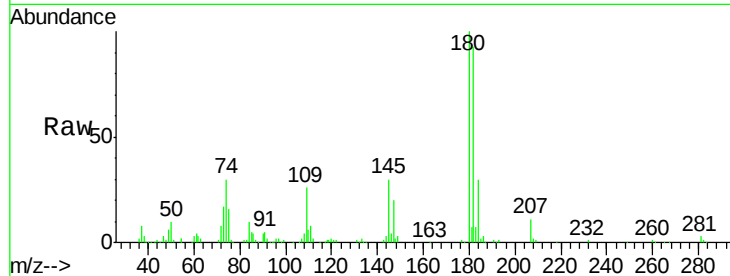
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.332 ug/l  
 RT: 14.90 min Scan# 4084  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 134341 |       |       |
| 182     | 94.2  | 47.8   | 143.3 |       |
| 145     | 30.3  | 15.4   | 46.1  |       |

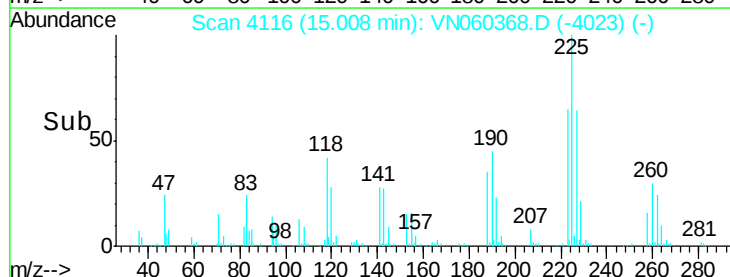
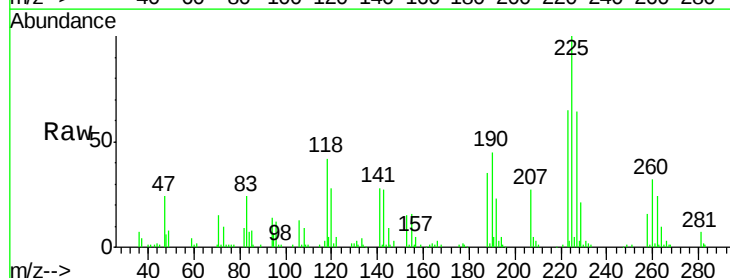
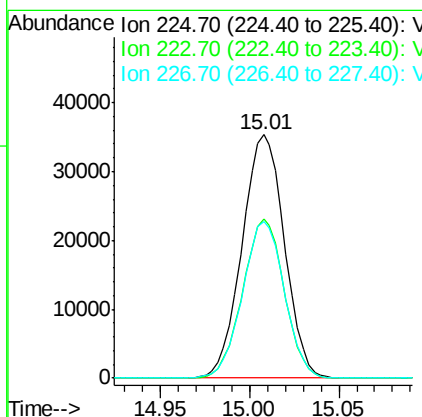
Manual Integrations  
 APPROVED

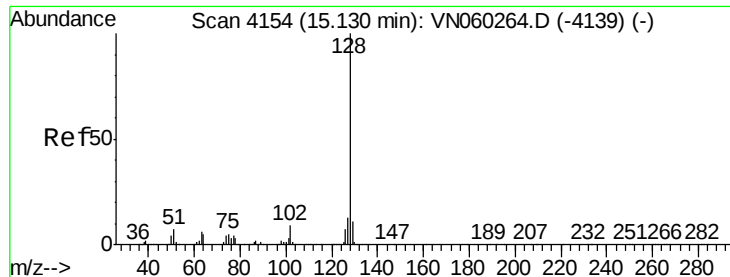
MMDadoda  
 3/6/2020 11:18:20 AM



#94  
 Hexachlorobutadiene  
 Concen: 43.784 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN060368.D  
 Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 58461 |       |       |
| 223     | 63.9  | 31.3  | 93.9  |       |
| 227     | 63.6  | 32.3  | 96.9  |       |





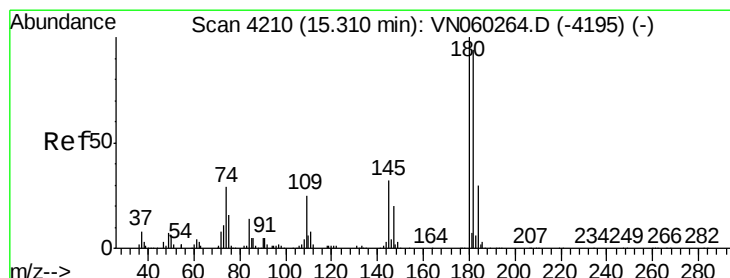
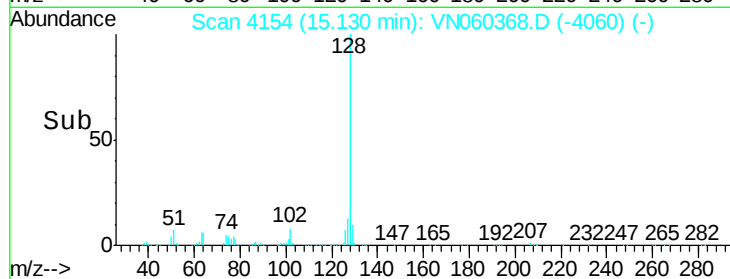
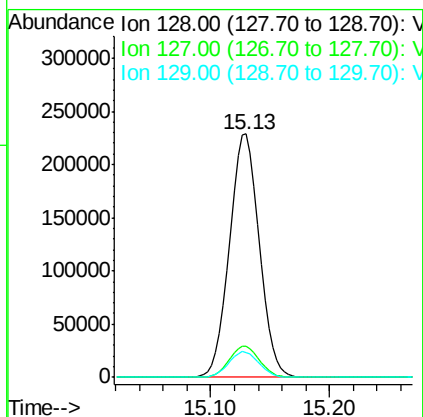
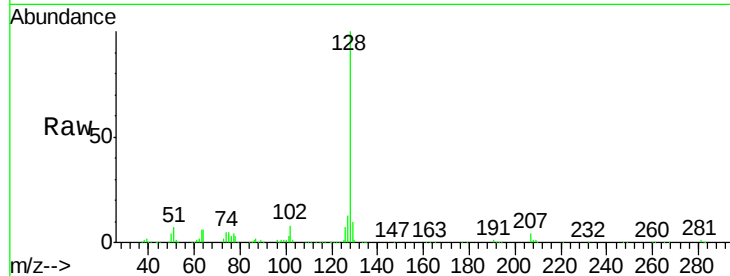
#95  
Naphthalene  
Concen: 46.456 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.4  | 15.6  |
| 129     | 10.7  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

MMDadoda  
3/6/2020 11:18:20 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 45.849 ug/l  
RT: 15.31 min Scan# 4210  
Delta R.T. 0.00 min  
Lab File: VN060368.D  
Acq: 5 Mar 2020 16:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 47.3  | 142.0 |
| 145     | 31.8  | 16.2  | 48.5  |

