

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN013019\  
 Data File : VN053564.D  
 Acq On : 30 Jan 2019 11:42  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

Manual Integrations  
 APPROVED

MMDadoda  
 2/1/2019 9:18:44 AM

Quant Time: Jan 31 06:19:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 31 05:27:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 778813   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1153584  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1009599  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 489336   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 377405   | 48.30 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.60%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 365094   | 50.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.18% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1363142  | 49.81 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.62%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 461349   | 50.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.08% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 432026  | 49.210  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 463555  | 50.135  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 445498  | 49.635  | ug/l | 100    |
| 5) Bromomethane               | 2.57 | 94  | 287735  | 49.029  | ug/l | 97     |
| 6) Chloroethane               | 2.71 | 64  | 248888  | 48.525  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 591027  | 48.558  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 219551  | 49.392  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 377353  | 50.130  | ug/l | 99     |
| 10) Methyl Iodide             | 3.95 | 142 | 565744  | 47.884  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 117594  | 254.316 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 357277  | 49.539  | ug/l | 99     |
| 13) Acrolein                  | 3.61 | 56  | 39129   | 217.271 | ug/l | 99     |
| 14) Allyl chloride            | 4.32 | 41  | 571775  | 49.793  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 622162  | 249.241 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 511431  | 255.198 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.06 | 76  | 1084396 | 48.288  | ug/l | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 282172  | 47.543  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 926888  | 50.697  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 387683  | 46.110  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 380492  | 48.902  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.95 | 45  | 1066069 | 50.104  | ug/l | 95     |
| 23) Vinyl Acetate             | 5.90 | 43  | 3835085 | 260.550 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 676828  | 47.692  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 725717  | 253.905 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 533367  | 49.234  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 421789  | 48.751  | ug/l | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 298274  | 48.432  | ug/l | 97     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 460239  | 250.764 | ug/l | 98     |
| 30) Chloroform                | 7.37 | 83  | 664018  | 47.200  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 642748  | 48.640  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 569905  | 48.678  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 524389  | 50.428  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 305481  | 52.598  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 518078  | 49.455  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN013019\  
 Data File : VN053564.D  
 Acq On : 30 Jan 2019 11:42  
 Operator : JC/SP  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

Manual Integrations  
 APPROVED

MMDadoda  
 2/1/2019 9:18:44 AM

Quant Time: Jan 31 06:19:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 31 05:27:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 661929   | 53.653  | ug/l   | 100      |
| 40) Benzene                    | 8.04  | 78   | 1567797  | 48.891  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 156693   | 48.273  | ug/l # | 87       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 460574   | 48.372  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 542257   | 48.346  | ug/l # | 89       |
| 44) Trichloroethene            | 8.83  | 130  | 432306   | 47.353  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 405807   | 49.477  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 239595   | 48.459  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 505009   | 49.125  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 263789   | 49.270  | ug/l   | 93       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 73972    | 955.332 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1435927  | 260.528 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 960040   | 50.444  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 528630   | 51.353  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 620819   | 50.894  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 341184   | 49.750  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 431960   | 53.243  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 578034   | 49.318  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 1190988  | 237.134 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 972637   | 259.947 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 386418   | 49.966  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 331615   | 48.855  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 427425   | 49.388  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.44 | 112  | 1049750  | 48.951  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 373348   | 49.850  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1784627  | 50.660  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1383570  | 102.906 | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 669832   | 51.569  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 1099562  | 52.228  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 263102   | 51.241  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1735451  | 50.450  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 421211   | 50.920  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 392112   | 47.629  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 325161m  | 51.734  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 460346   | 49.655  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 2047881  | 51.498  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 1187324  | 50.326  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1489384  | 52.212  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 114814   | 51.366  | ug/l   | 100      |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1225546  | 50.623  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1268357  | 50.308  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1521378  | 52.349  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1772293  | 51.658  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1593534  | 53.108  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 822644   | 49.361  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 811340   | 49.215  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1388055  | 53.445  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 243638   | 49.227  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 781186   | 48.962  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 57980    | 49.416  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN013019\  
Data File : VN053564.D  
Acq On : 30 Jan 2019 11:42  
Operator : JC/SP  
Sample : VSTDICV050  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM

Quant Time: Jan 31 06:19:20 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 31 05:27:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 511383   | 55.884 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 295782   | 51.903 | ug/l  | 100      |
| 95) Naphthalene            | 15.13 | 128  | 1090694  | 50.714 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 471795   | 55.566 | ug/l  | 100      |

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

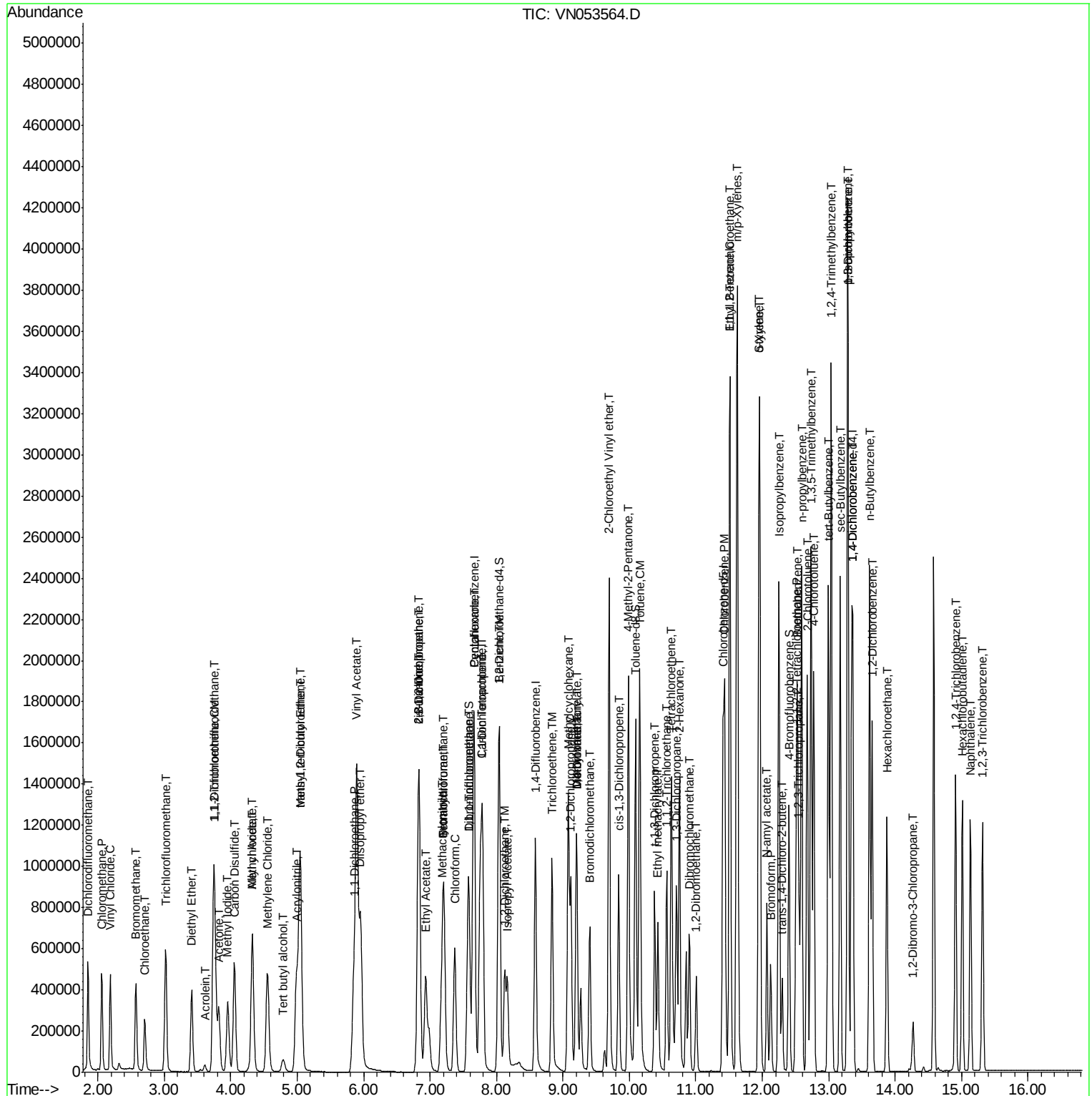
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN013019\  
Data File : VN053564.D  
Acq On : 30 Jan 2019 11:42  
Operator : JC/SP  
Sample : VSTDICV050  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

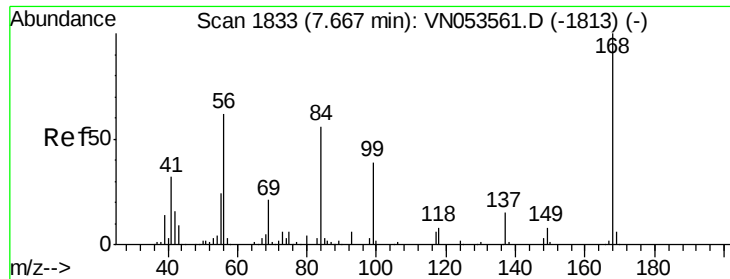
Instrument :  
MSVOA\_N  
Client Sampled :  
ICVVN013019

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM

Quant Time: Jan 31 06:19:20 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 31 05:27:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN013019

Tgt Ion: 168 Resp: 778813

Ion Ratio Lower Upper

168 100

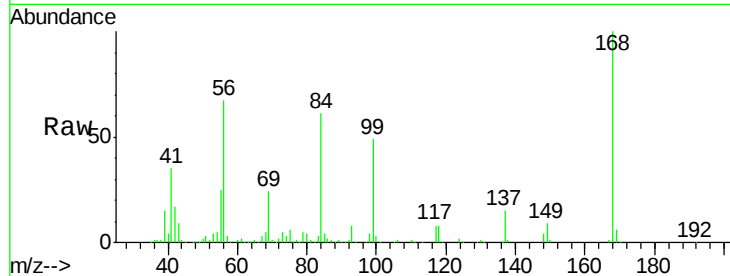
99 48.1 39.1 58.7

Manual Integrations

APPROVED

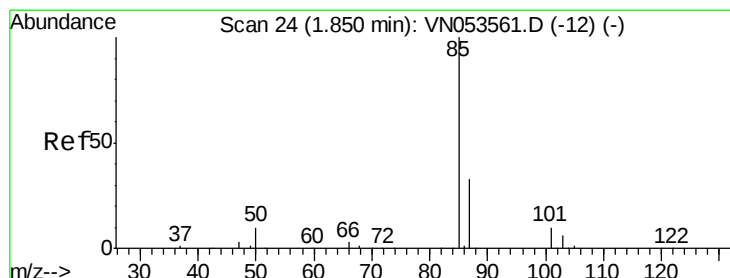
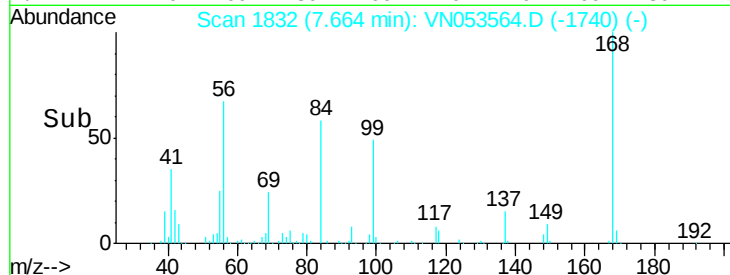
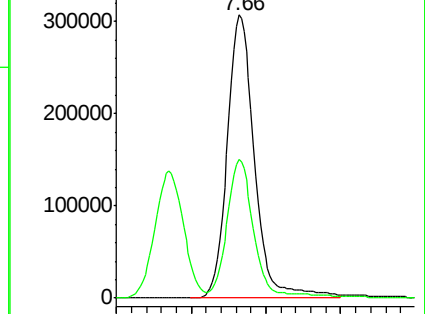
MMDadoda

2/1/2019 9:18:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.210 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053564.D

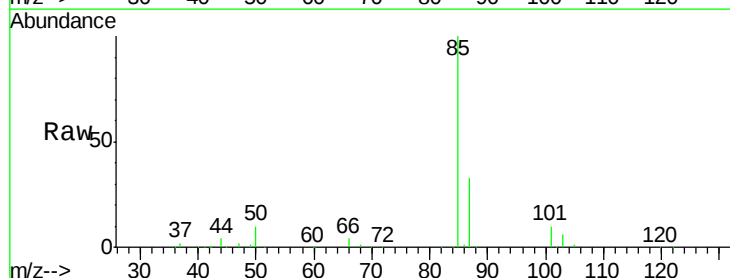
Acq: 30 Jan 2019 11:42

Tgt Ion: 85 Resp: 432026

Ion Ratio Lower Upper

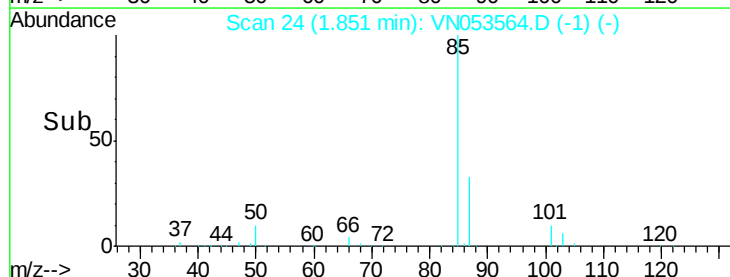
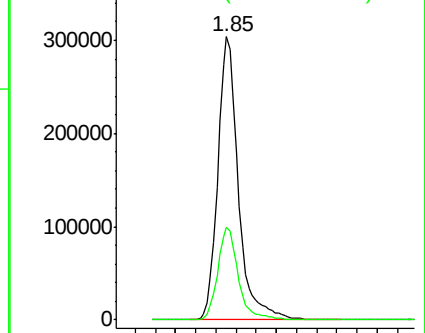
85 100

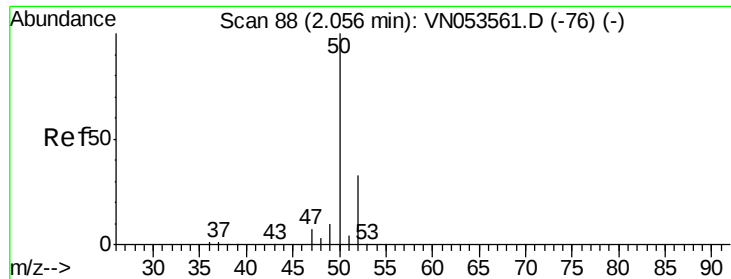
87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.135 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN013019

Tgt Ion: 50 Resp: 463555

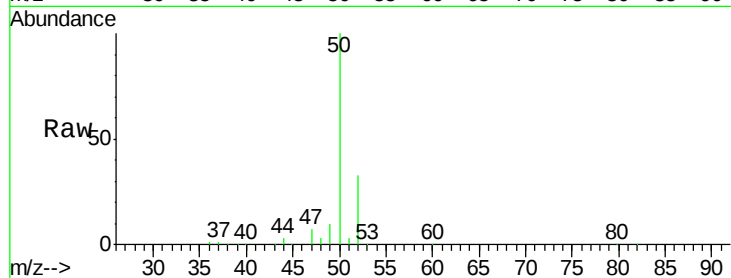
Ion Ratio Lower Upper

50 100

52 33.2 26.6 40.0

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

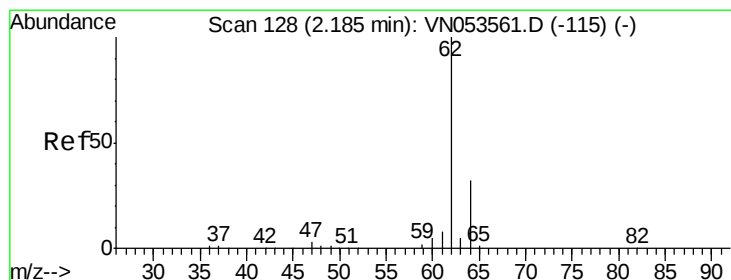
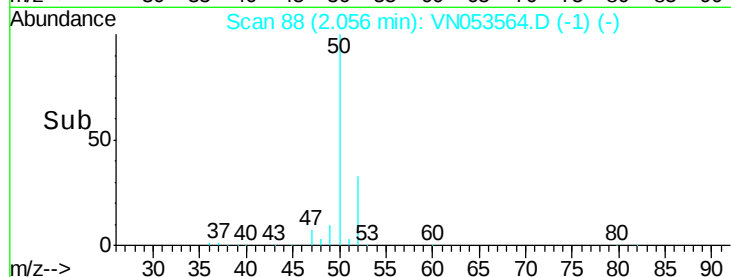
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 49.635 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053564.D

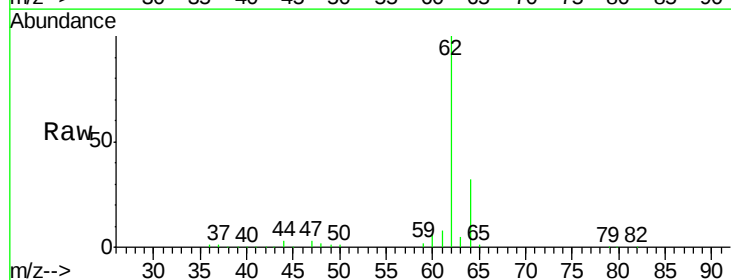
Acq: 30 Jan 2019 11:42

Tgt Ion: 62 Resp: 445498

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

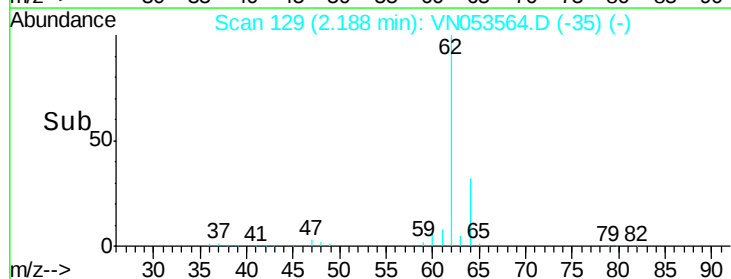
300000

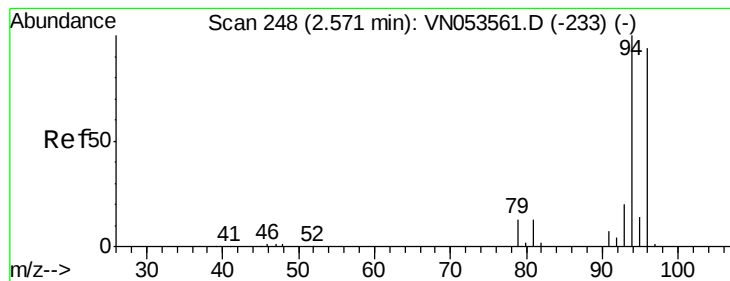
200000

100000

0

Time-->





#5

Bromomethane

Concen: 49.029 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN013019

Tgt Ion: 94 Resp: 287735

Ion Ratio Lower Upper

94 100

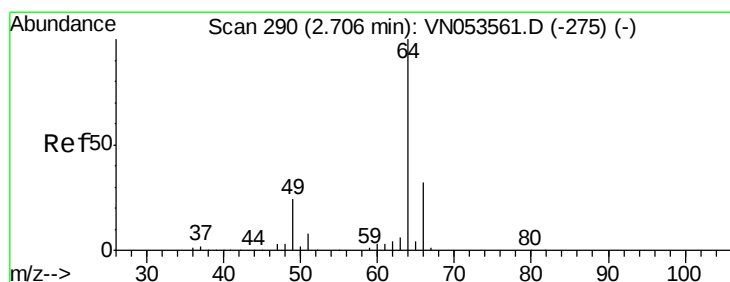
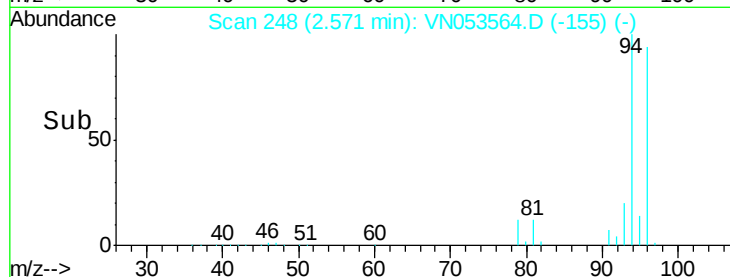
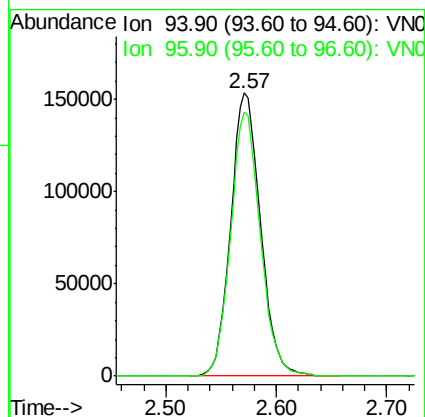
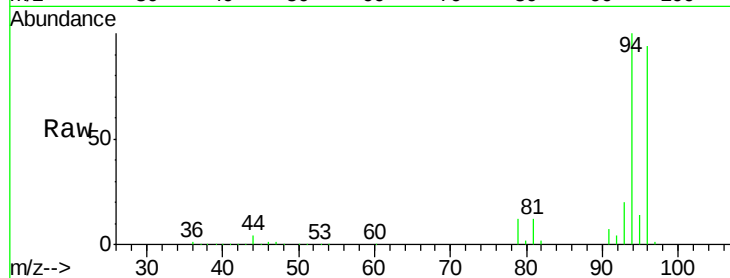
96 93.5 76.8 115.2

Manual Integrations

APPROVED

MMDadoda

2/1/2019 9:18:44 AM



#6

Chloroethane

Concen: 48.525 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053564.D

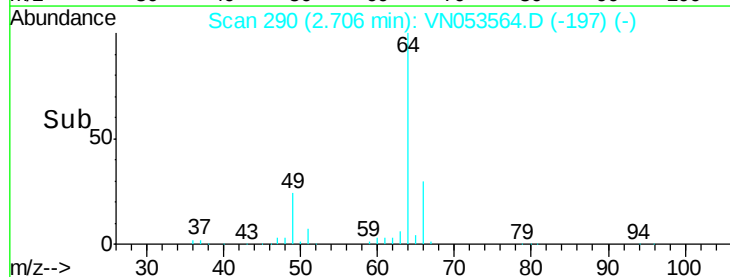
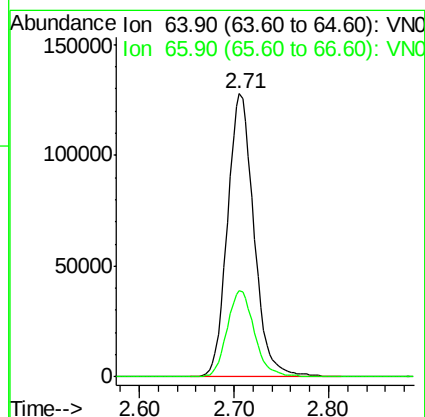
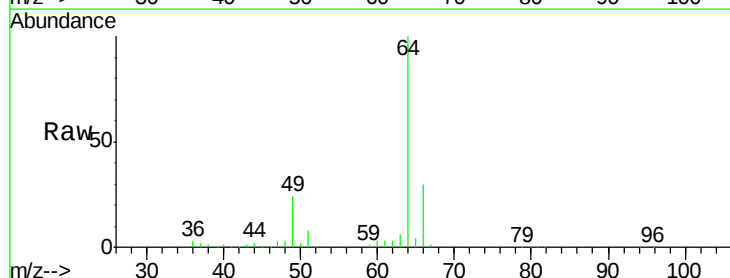
Acq: 30 Jan 2019 11:42

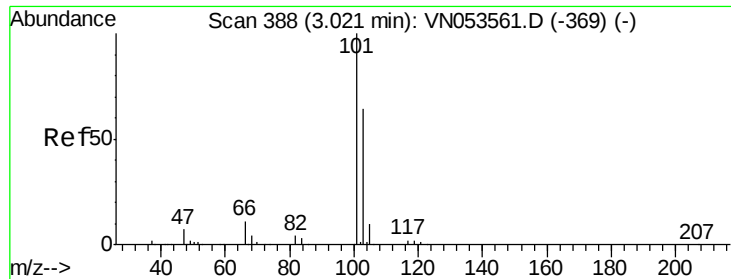
Tgt Ion: 64 Resp: 248888

Ion Ratio Lower Upper

64 100

66 30.4 25.1 37.7





#7

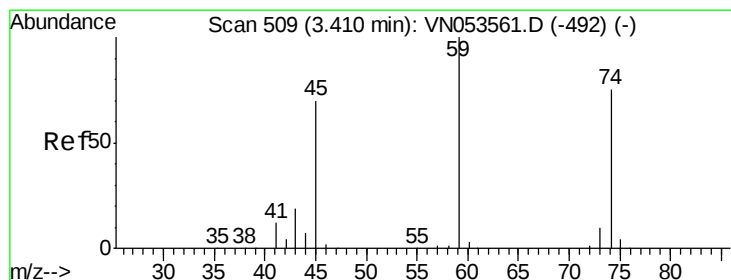
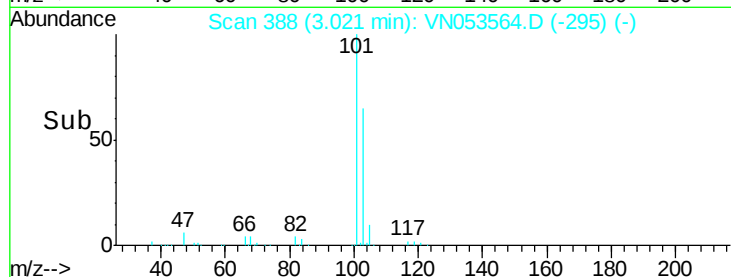
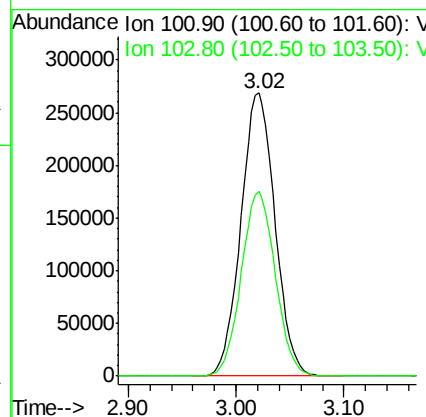
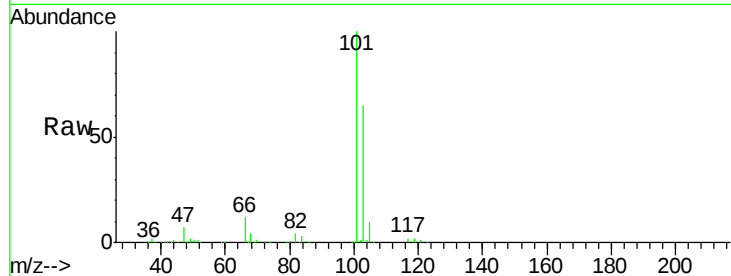
Trichlorofluoromethane  
Concen: 48.558 ug/l  
RT: 3.02 min Scan# 388  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.5  | 51.6  | 77.4  |

Manual Integrations  
APPROVED

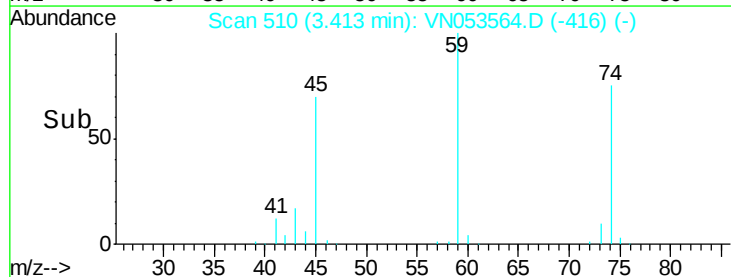
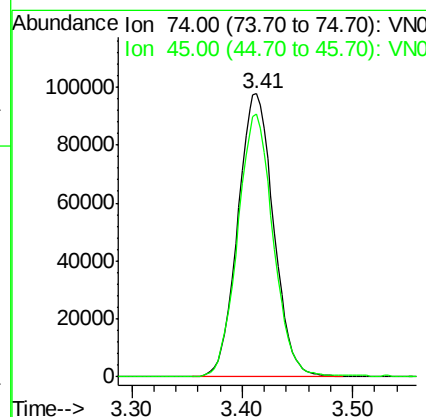
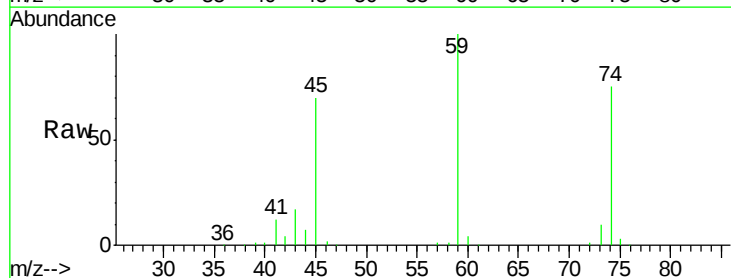
MMDadoda  
2/1/2019 9:18:44 AM

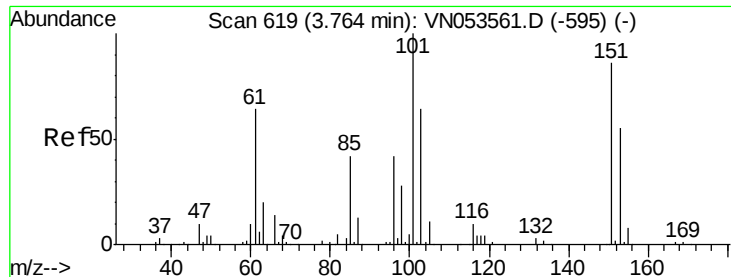


#8

Diethyl Ether  
Concen: 49.392 ug/l  
RT: 3.41 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 92.6  | 47.9  | 143.7 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.130 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

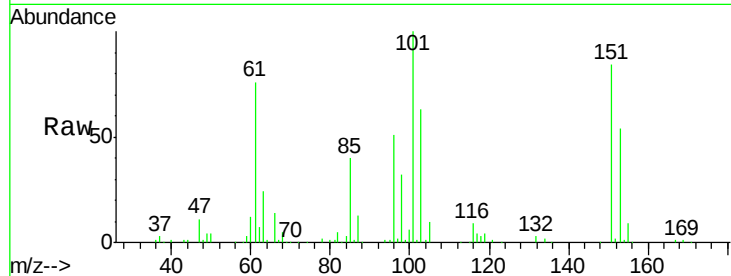
ClientSampleId :

ICVVN013019

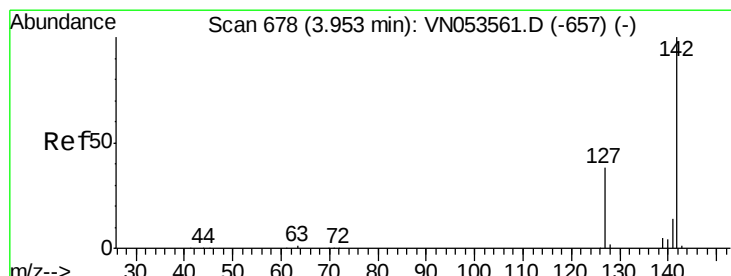
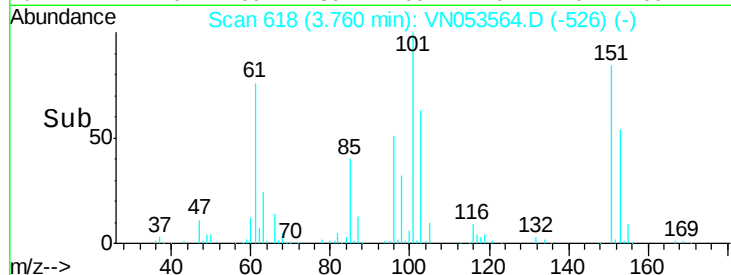
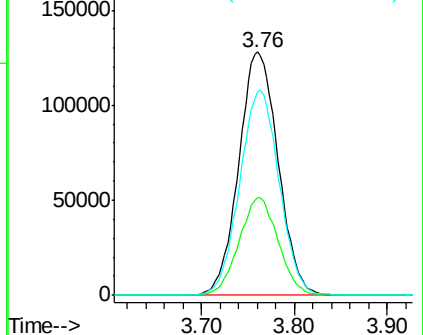
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 377353 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 39.9  | 32.8  | 49.2   |
| 151       | 84.6  | 66.9  | 100.3  |

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



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



#10

Methyl Iodide

Concen: 47.884 ug/l

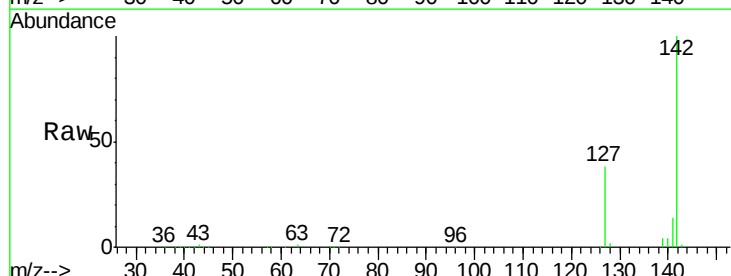
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

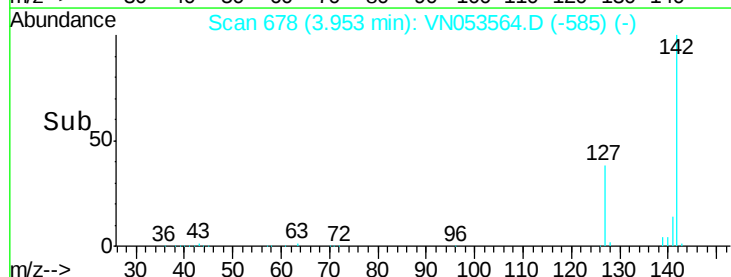
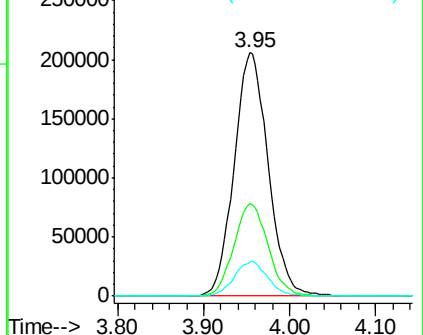
Lab File: VN053564.D

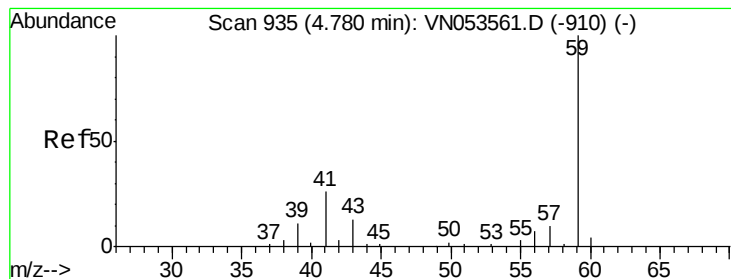
Acq: 30 Jan 2019 11:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 565744 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.2  | 31.0  | 46.4   |
| 141       | 14.0  | 11.1  | 16.7   |



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





#11

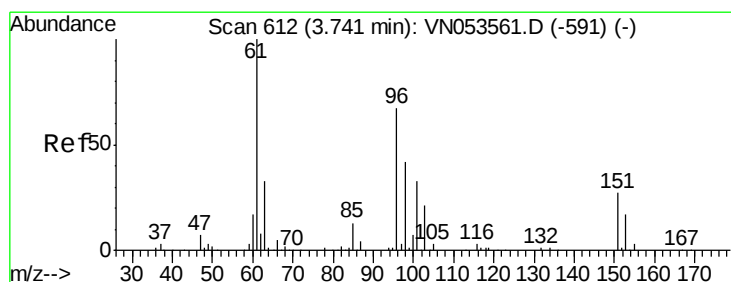
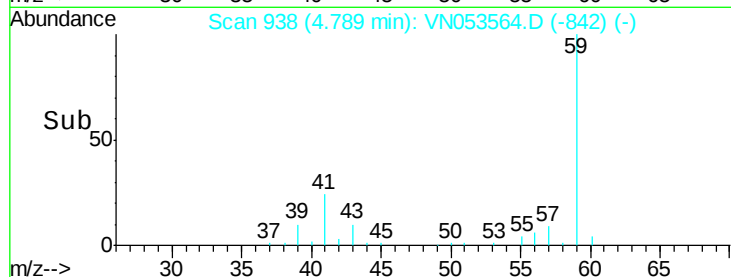
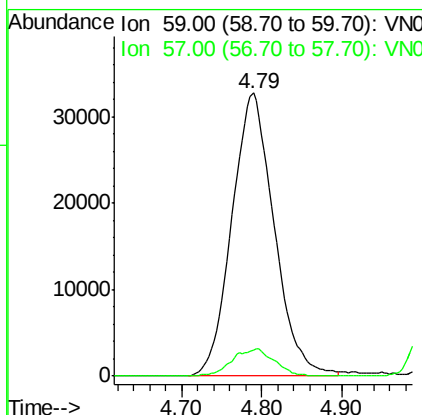
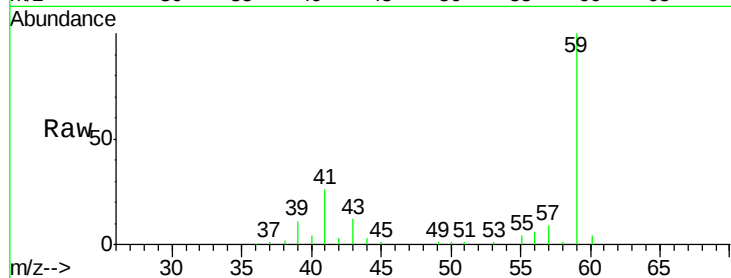
Tert butyl alcohol  
 Concen: 254.316 ug/l  
 RT: 4.79 min Scan# 938  
 Delta R.T. 0.01 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 59      | 100   | 117594 |       |       |
| 57      | 9.6   |        | 8.2   | 12.4  |

Manual Integrations  
 APPROVED

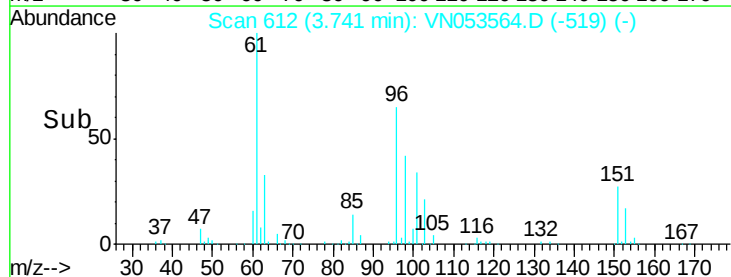
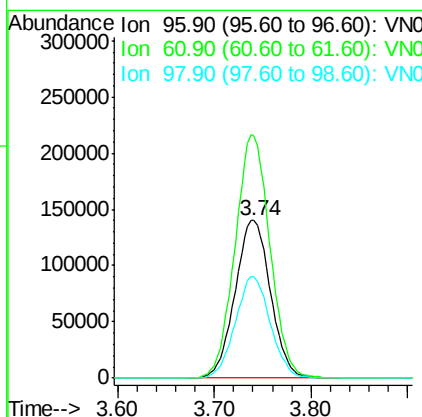
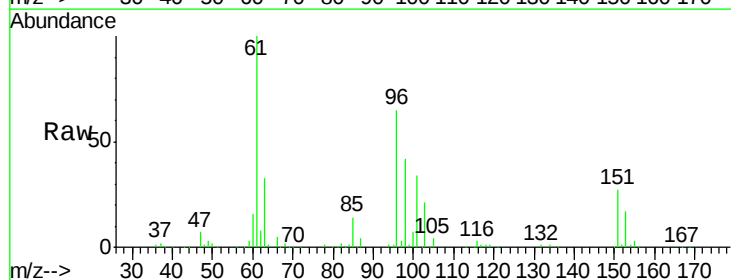
MMDadoda  
 2/1/2019 9:18:44 AM

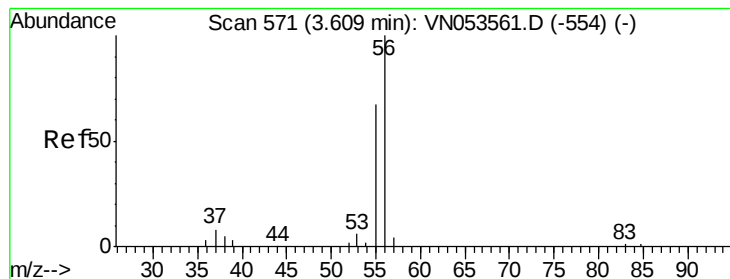


#12

1,1-Dichloroethene  
 Concen: 49.539 ug/l  
 RT: 3.74 min Scan# 612  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 357277 |       |       |
| 61      | 154.0 |        | 122.9 | 184.3 |
| 98      | 64.3  |        | 49.4  | 74.0  |





#13

Acrolein

Concen: 217.271 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampled :

ICVVN013019

Tgt Ion: 56 Resp: 39129

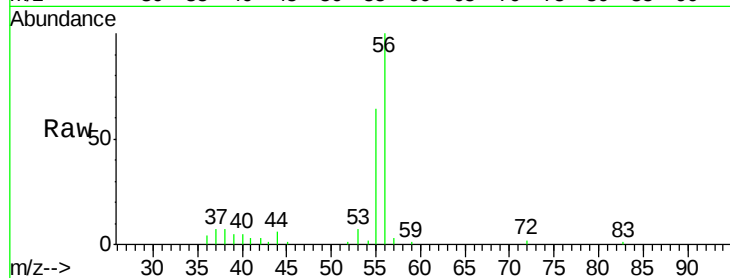
Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.0

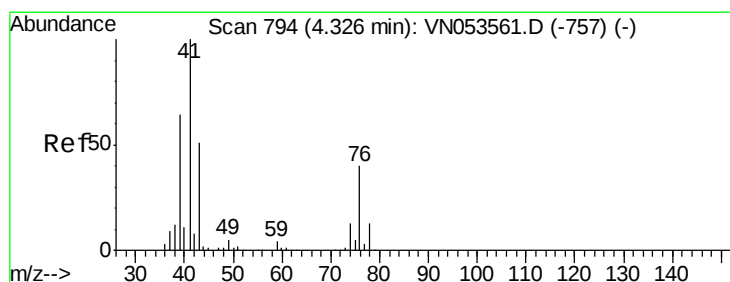
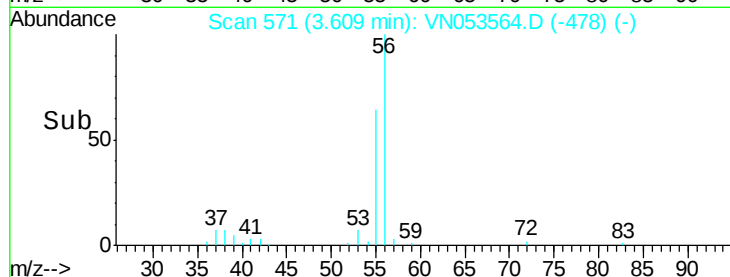
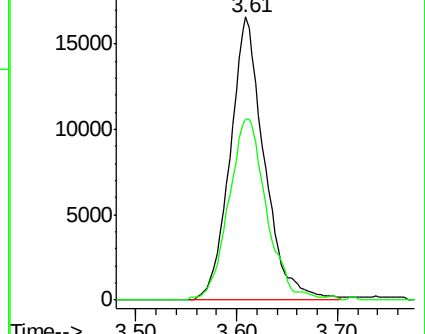
Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.793 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

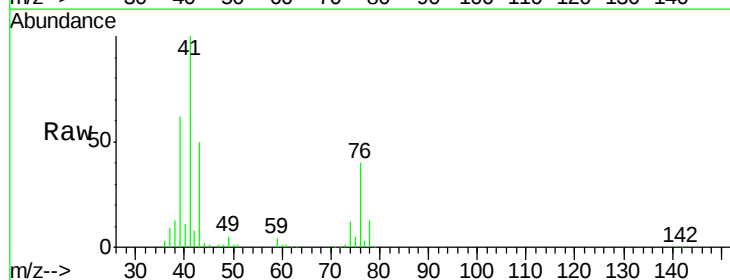
Tgt Ion: 41 Resp: 571775

Ion Ratio Lower Upper

41 100

39 60.9 48.9 73.3

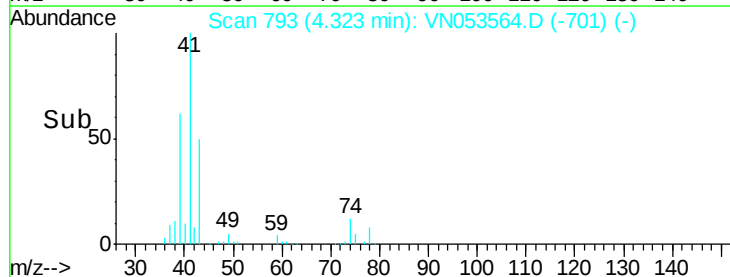
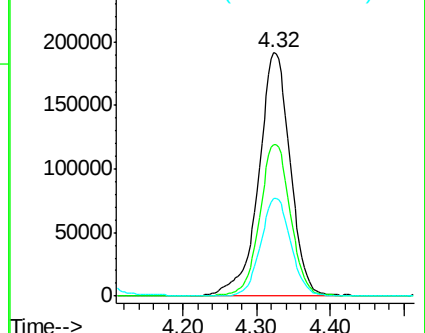
76 37.9 29.4 44.2

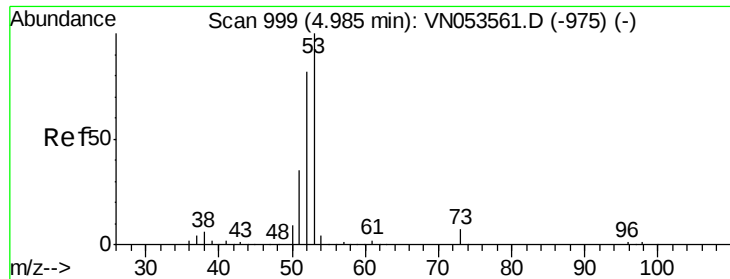


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





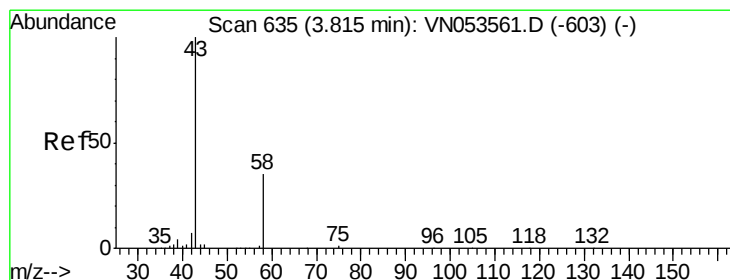
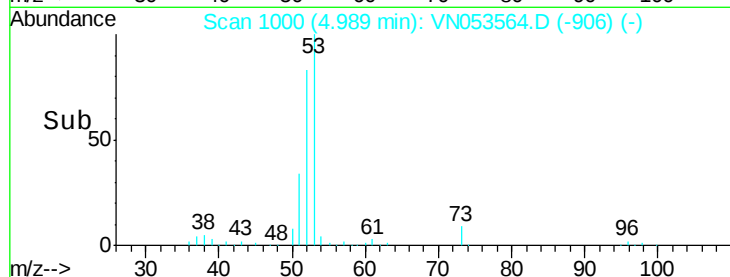
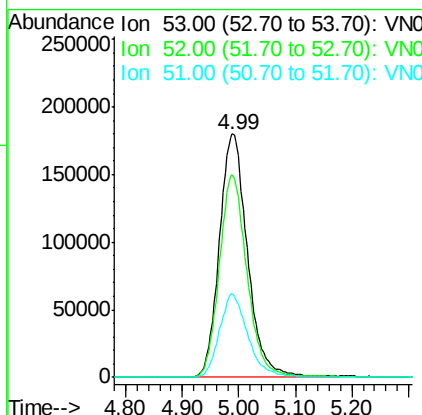
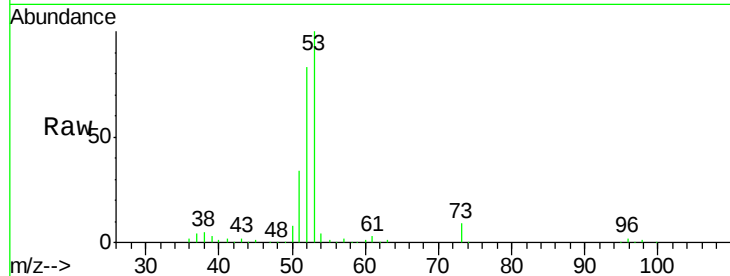
#15  
 Acrylonitrile  
 Concen: 249.241 ug/l  
 RT: 4.99 min Scan# 1000  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 81.5  | 66.0  | 99.0  |
| 51      | 34.9  | 28.3  | 42.5  |

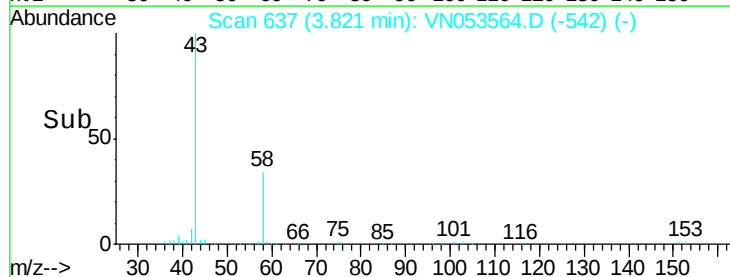
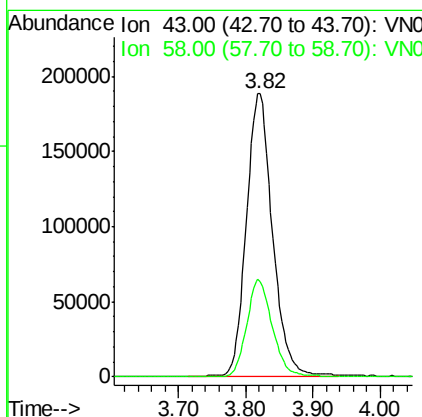
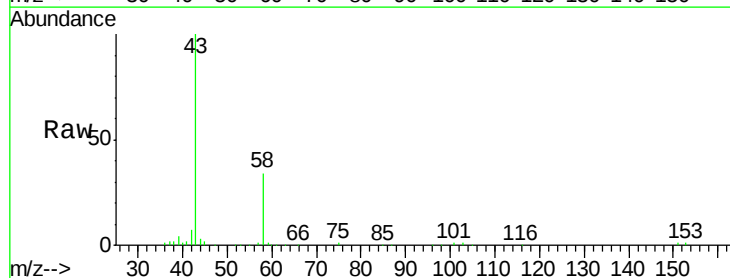
Manual Integrations  
 APPROVED

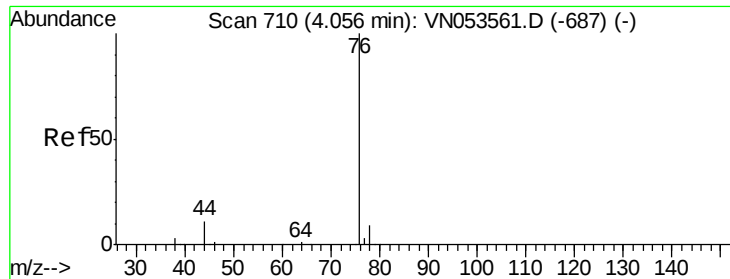
MMDadoda  
 2/1/2019 9:18:44 AM



#16  
 Acetone  
 Concen: 255.198 ug/l  
 RT: 3.82 min Scan# 637  
 Delta R.T. 0.01 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 33.6  | 27.1  | 40.7  |





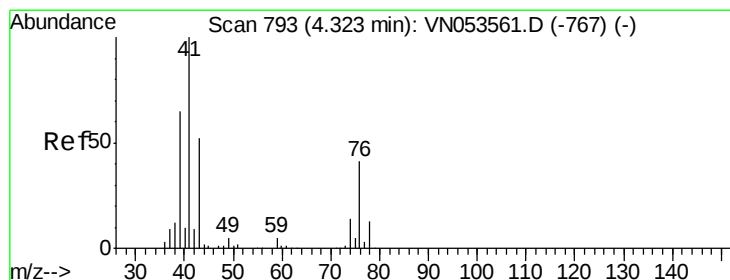
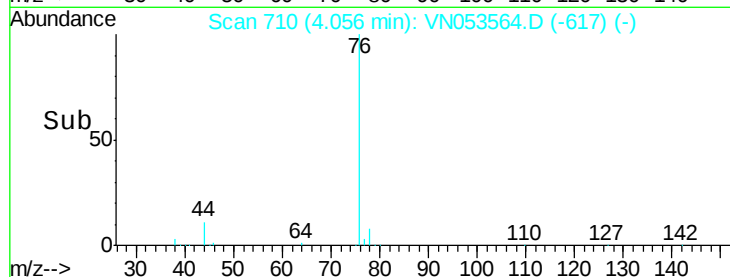
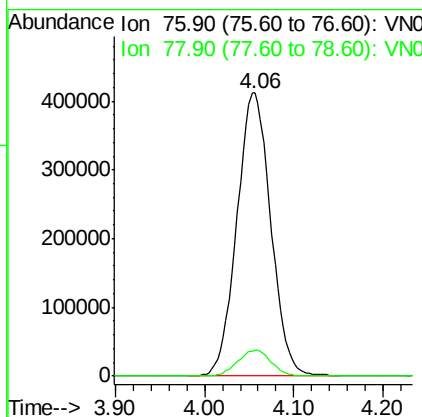
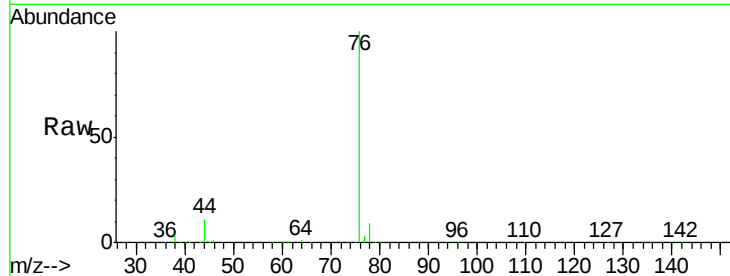
#17  
Carbon Disulfide  
Concen: 48.288 ug/l  
RT: 4.06 min Scan# 710  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

Tgt Ion: 76 Resp: 1084396  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.3 10.9

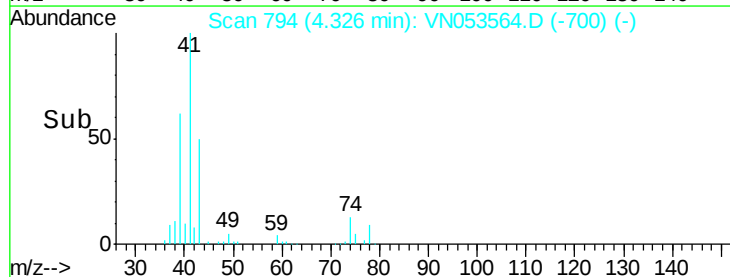
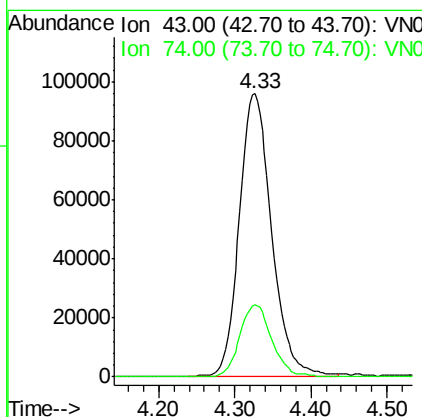
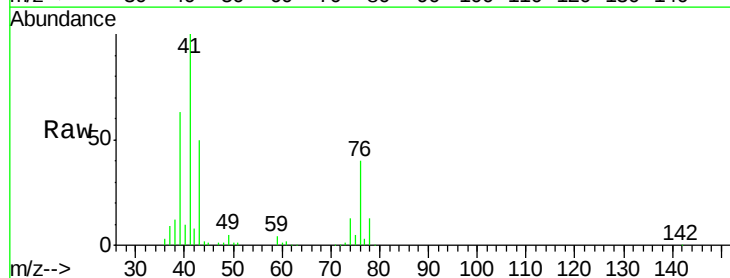
Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#18  
Methyl Acetate  
Concen: 47.543 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion: 43 Resp: 282172  
Ion Ratio Lower Upper  
43 100  
74 25.4 19.4 29.2





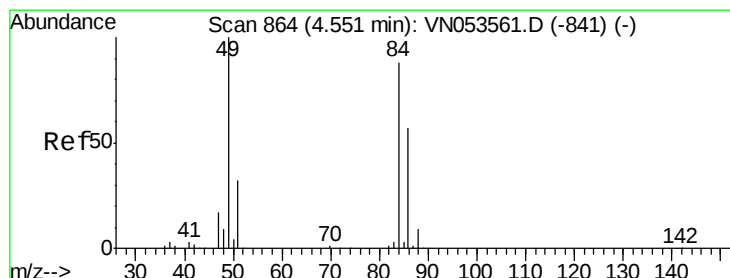
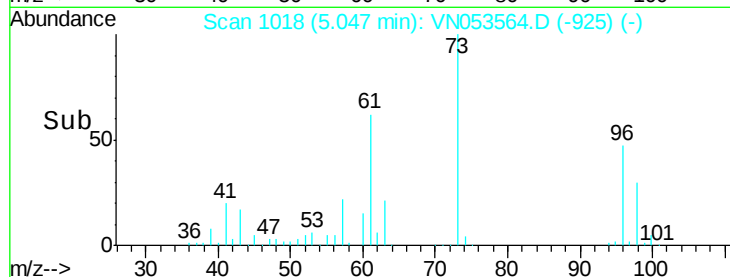
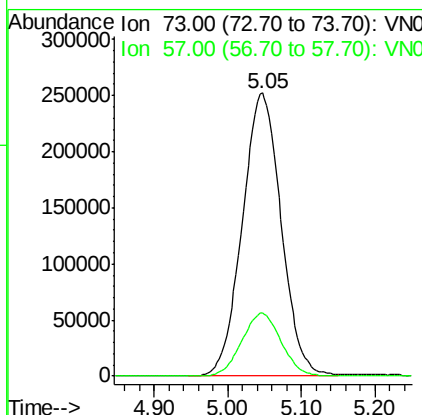
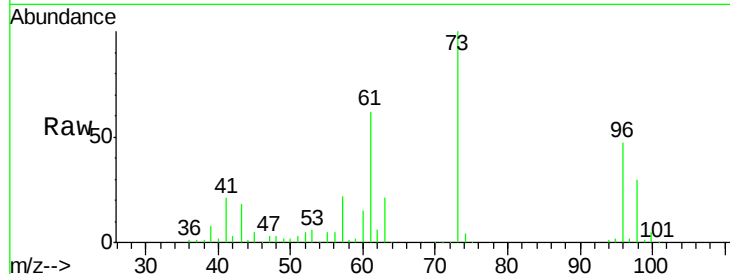
#19  
Methyl tert-butyl Ether  
Concen: 50.697 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN013019

Tgt Ion: 73 Resp: 926888  
Ion Ratio Lower Upper  
73 100  
57 22.3 18.3 27.5

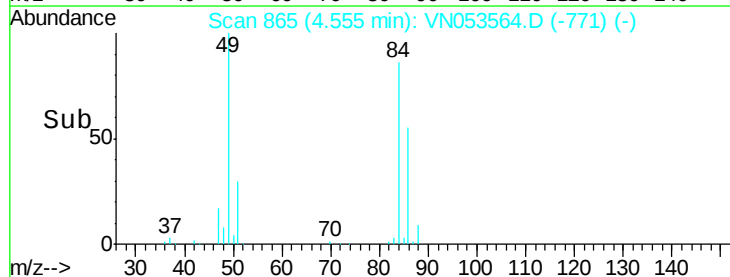
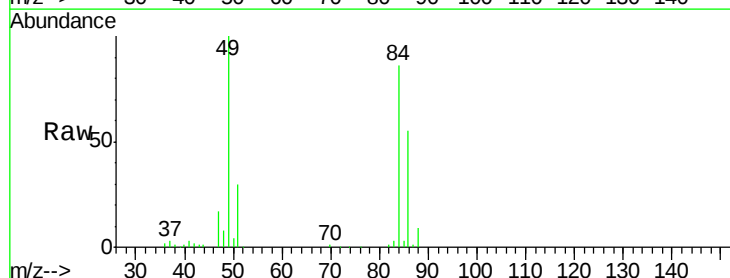
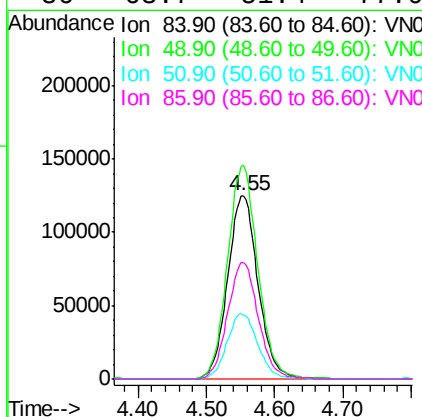
Manual Integrations  
APPROVED

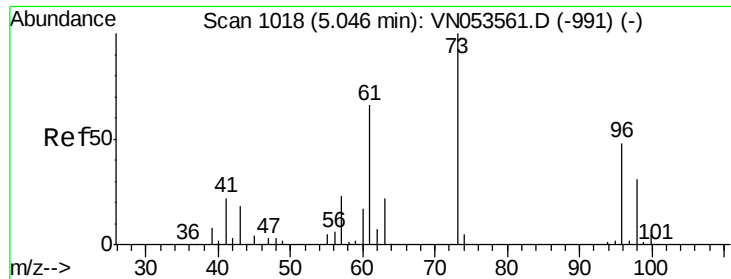
MMDadoda  
2/1/2019 9:18:44 AM



#20  
Methylene Chloride  
Concen: 46.110 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion: 84 Resp: 387683  
Ion Ratio Lower Upper  
84 100  
49 116.3 94.3 141.5  
51 35.1 29.4 44.2  
86 63.7 51.4 77.0





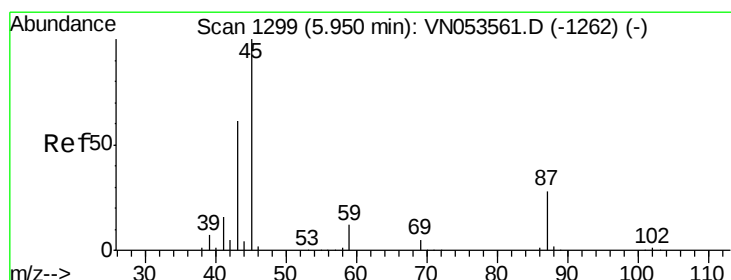
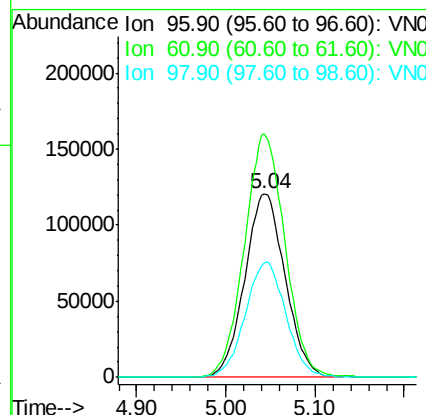
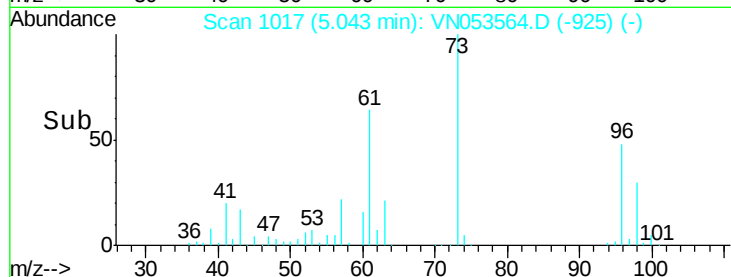
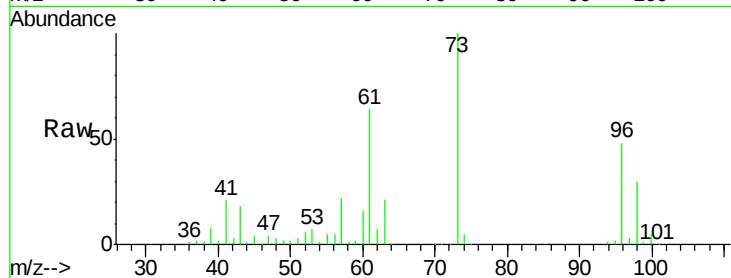
#21  
trans-1,2-Dichloroethene  
Concen: 48.902 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. -0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.7 | 110.1 | 165.1 |
| 98      | 62.6  | 50.0  | 75.0  |

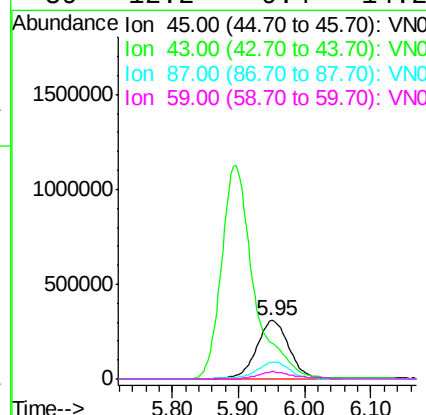
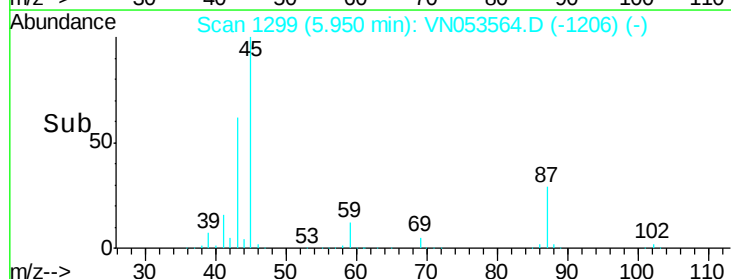
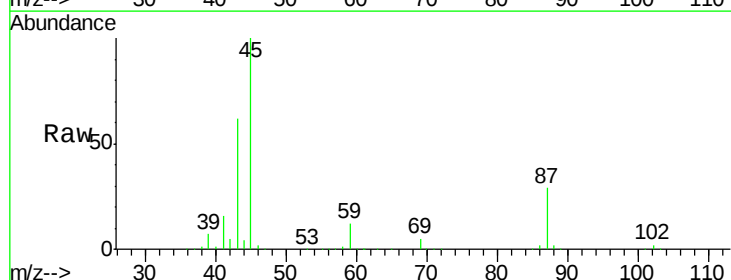
Manual Integrations  
APPROVED

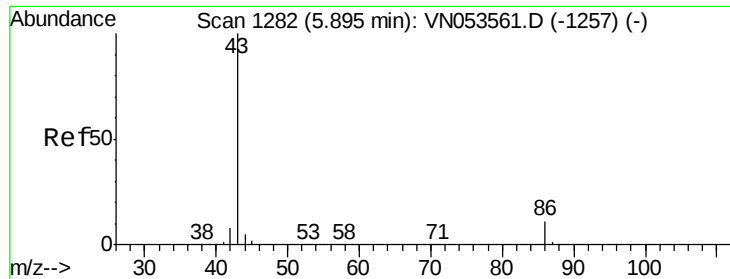
MMDadoda  
2/1/2019 9:18:44 AM



#22  
Diisopropyl ether  
Concen: 50.104 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 60.8  | 44.2  | 66.4  |
| 87      | 28.3  | 22.7  | 34.1  |
| 59      | 12.2  | 9.4   | 14.2  |





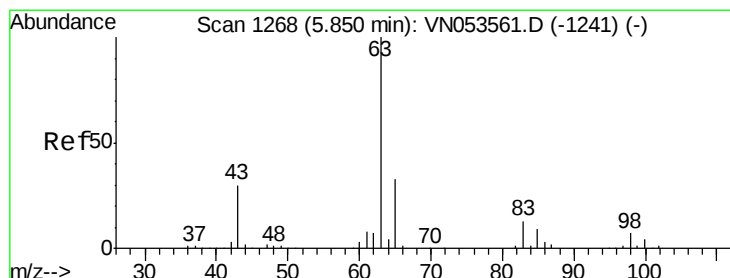
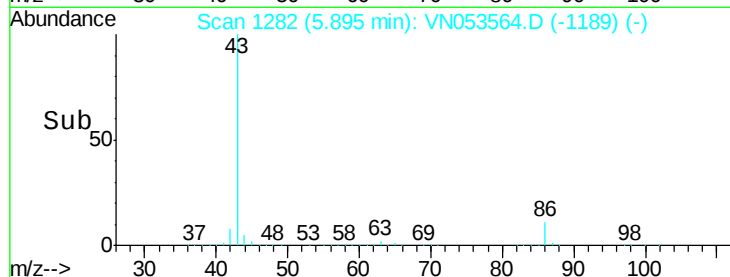
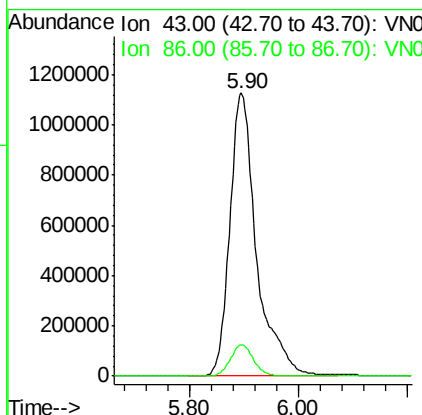
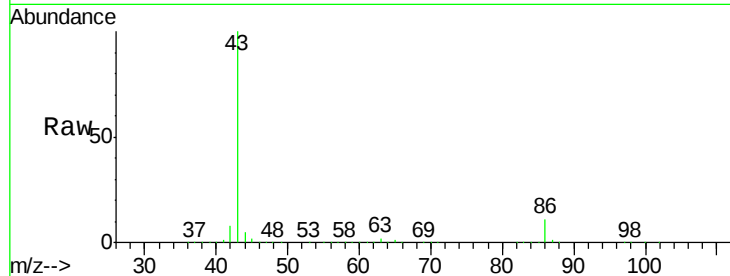
#23  
 Vinyl Acetate  
 Concen: 260.550 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

Tgt Ion: 43 Resp: 3835085  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 8.4 12.6

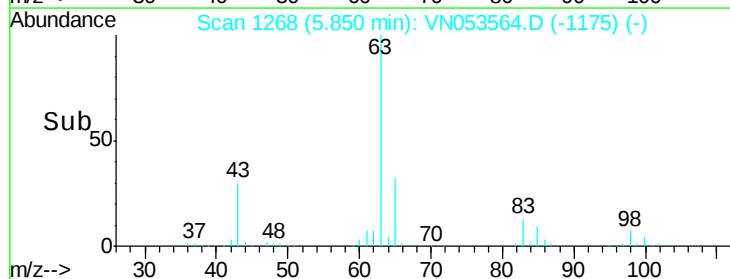
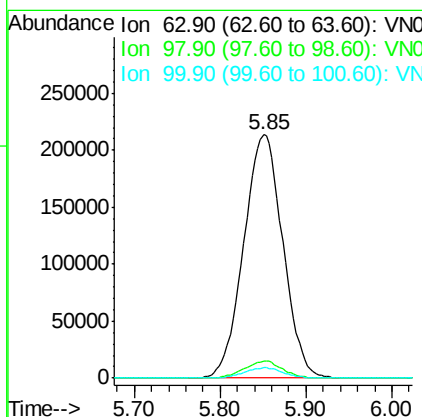
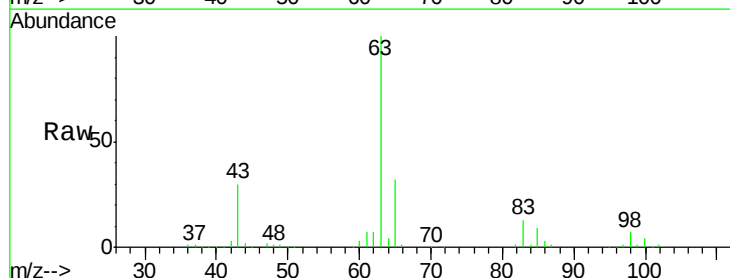
Manual Integrations  
 APPROVED

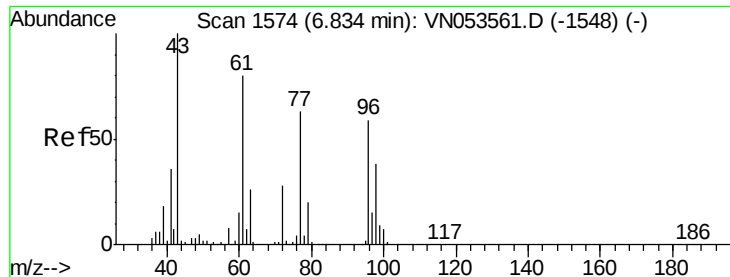
MMDadoda  
 2/1/2019 9:18:44 AM



#24  
 1,1-Dichloroethane  
 Concen: 47.692 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Tgt Ion: 63 Resp: 676828  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.3 9.9  
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 253.905 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampled :

ICVVN013019

Tgt Ion: 43 Resp: 725717

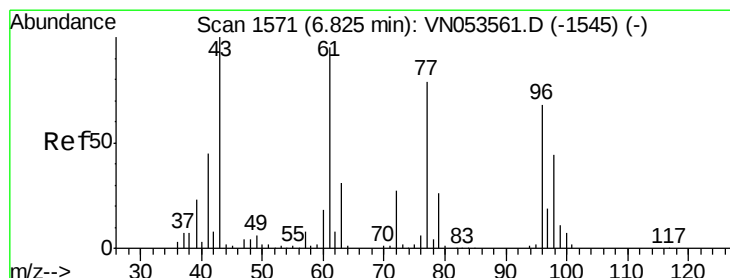
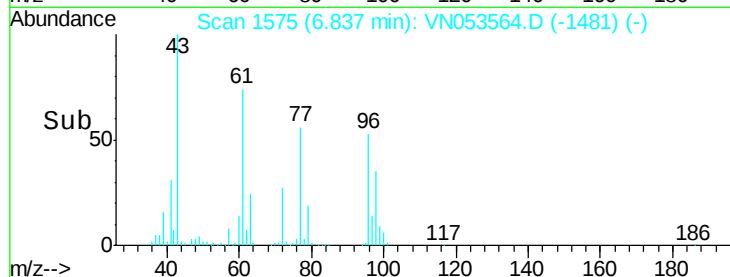
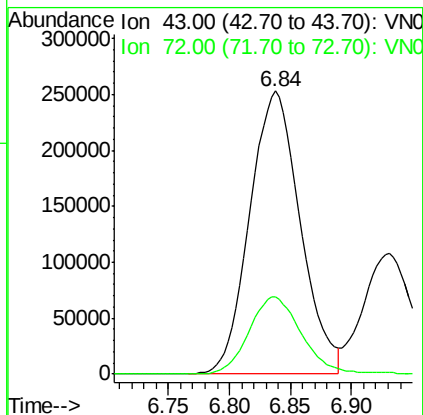
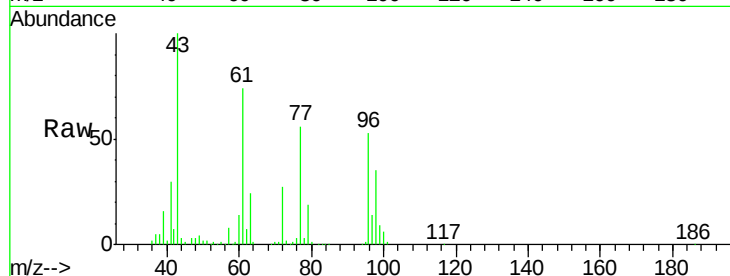
Ion Ratio Lower Upper

43 100

72 27.5 22.0 33.0

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#26

2,2-Dichloropropane

Concen: 49.234 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053564.D

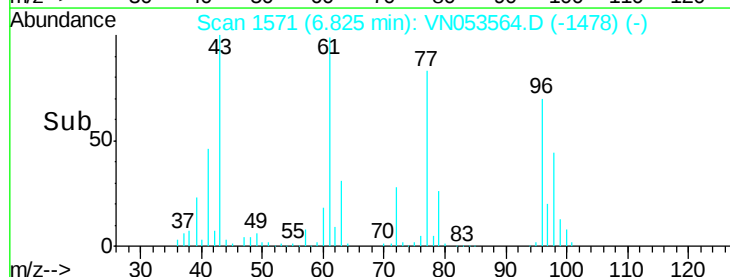
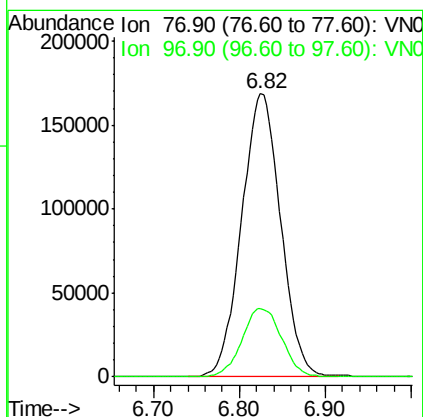
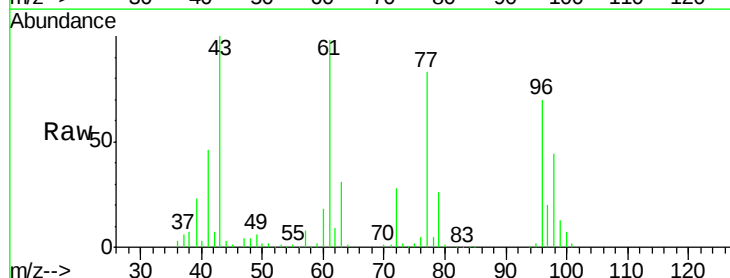
Acq: 30 Jan 2019 11:42

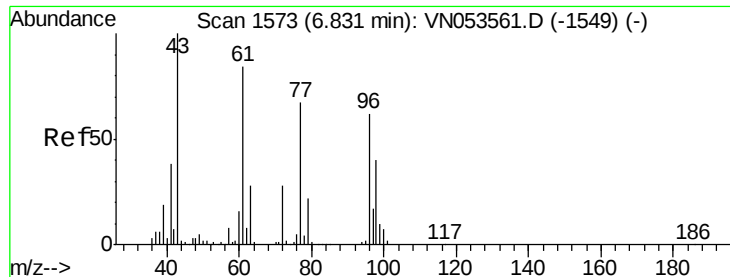
Tgt Ion: 77 Resp: 533367

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.751 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

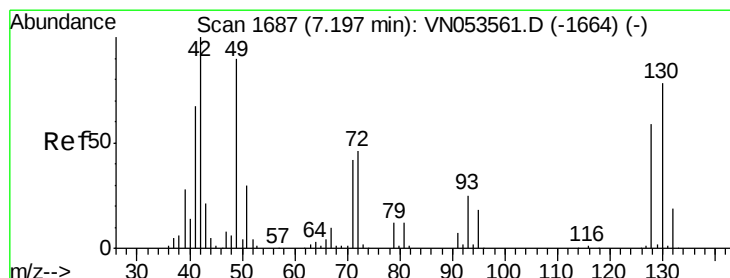
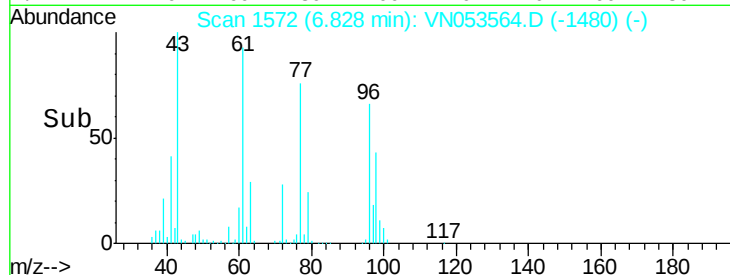
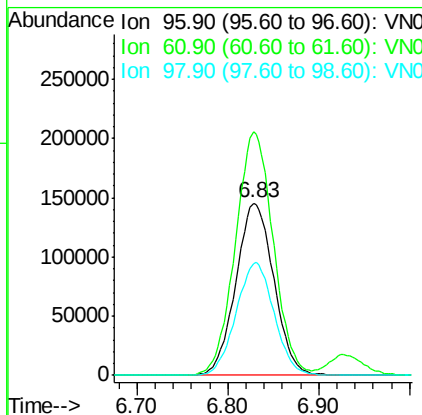
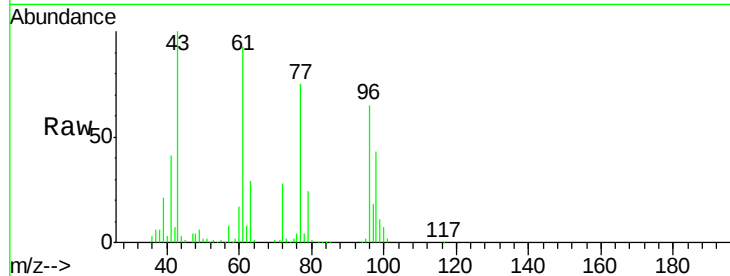
ClientSampleId :

ICVVN013019

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 421789 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 140.8 | 0.0   | 283.8  |
| 98       | 65.4  | 0.0   | 129.2  |

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#28

Bromochloromethane

Concen: 48.432 ug/l

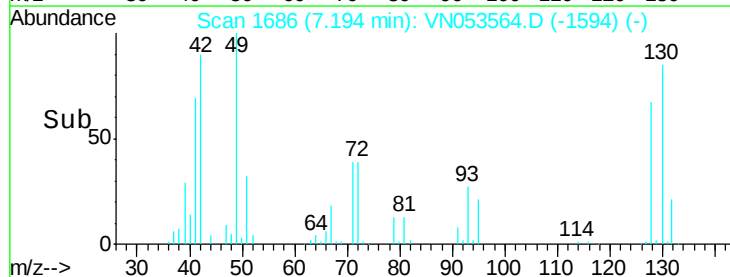
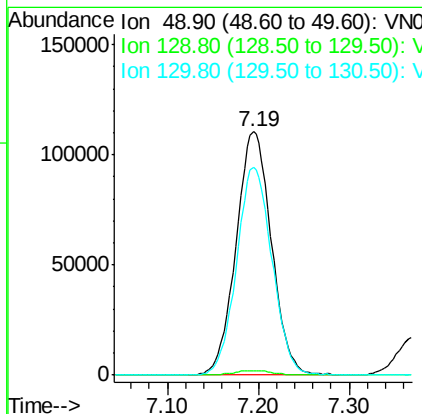
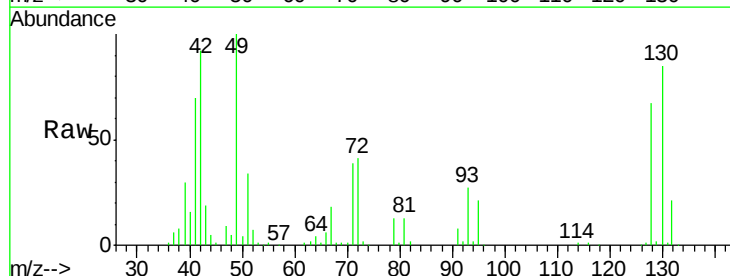
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 298274 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 1.1   | 0.0   | 4.0    |
| 130      | 85.5  | 66.3  | 99.5   |





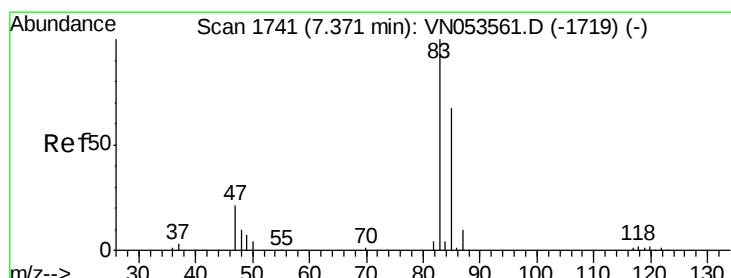
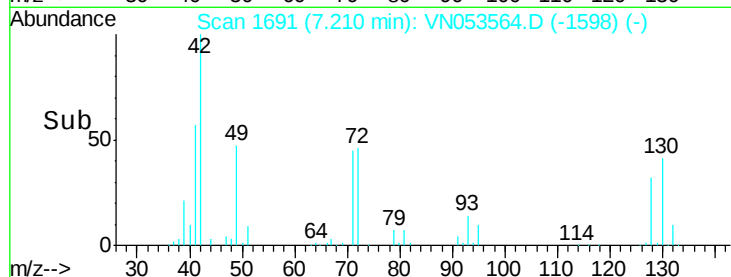
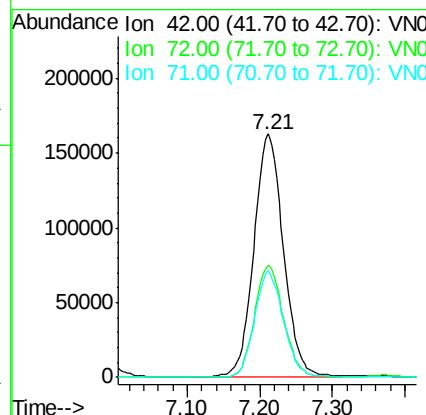
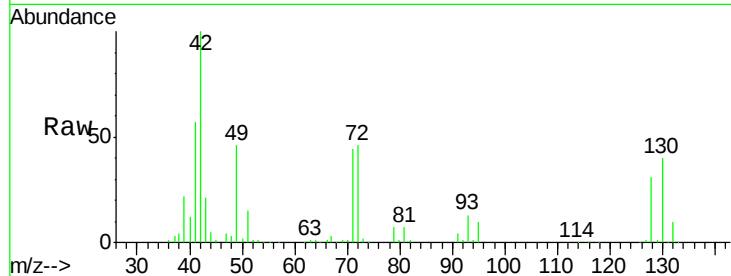
#29  
Tetrahydrofuran  
Concen: 250.764 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.4  | 35.2  | 52.8  |
| 71      | 42.6  | 33.0  | 49.4  |

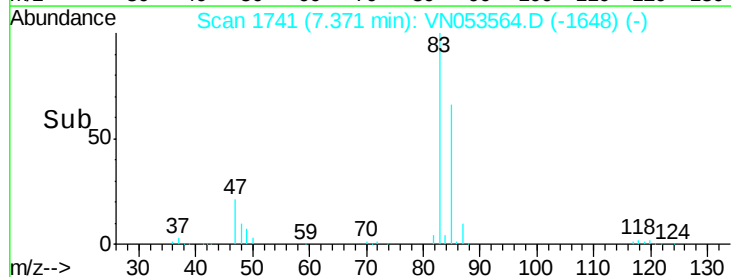
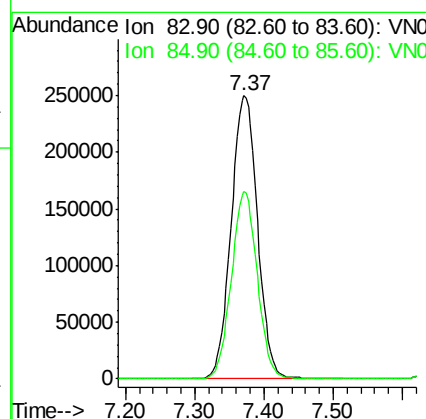
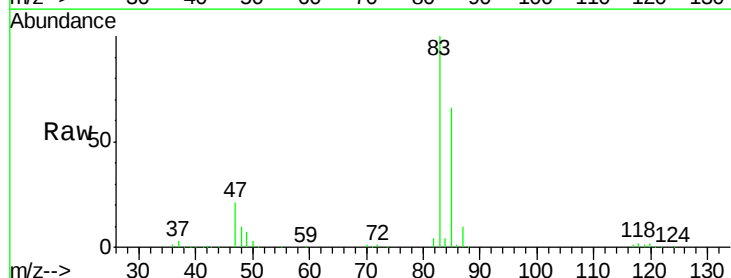
Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#30  
Chloroform  
Concen: 47.200 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.3  | 52.2  | 78.2  |





#31

Cyclohexane

Concen: 48.640 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampled :

ICVVN013019

Tgt Ion: 56 Resp: 642748  
Ion Ratio Lower Upper

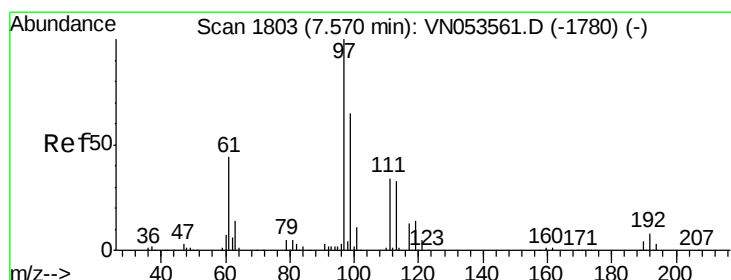
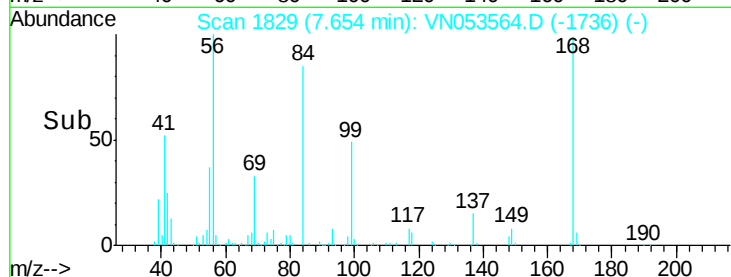
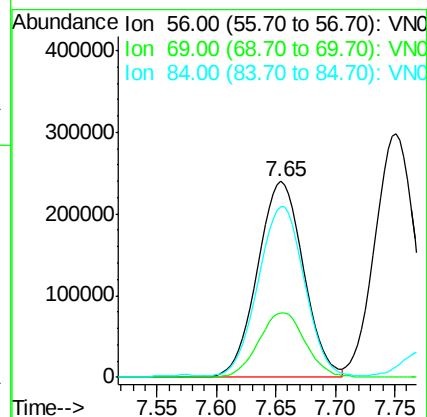
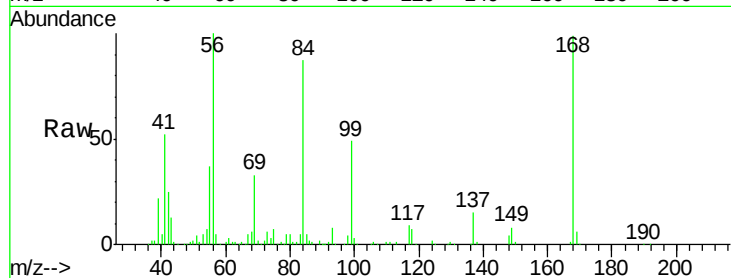
56 100

69 33.1 26.4 39.6

84 86.3 67.9 101.9

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#32

1,1,1-Trichloroethane

Concen: 48.678 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053564.D

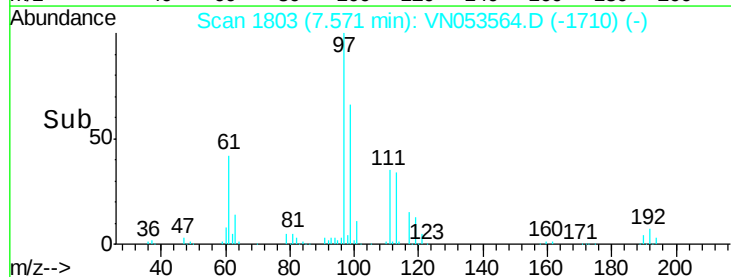
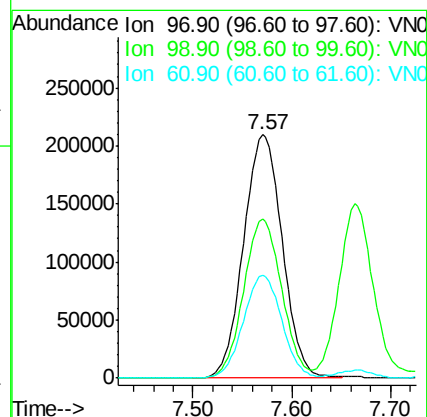
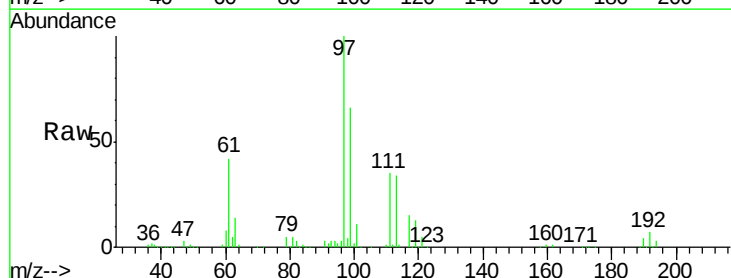
Acq: 30 Jan 2019 11:42

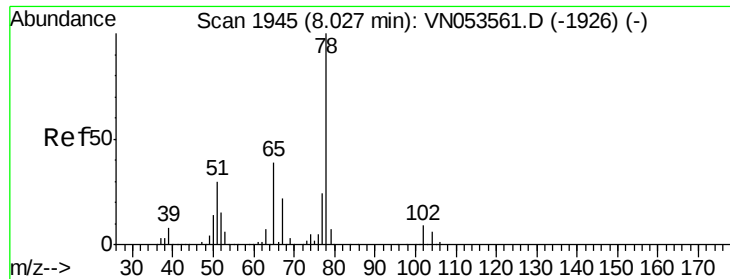
Tgt Ion: 97 Resp: 569905  
Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

61 41.9 34.4 51.6





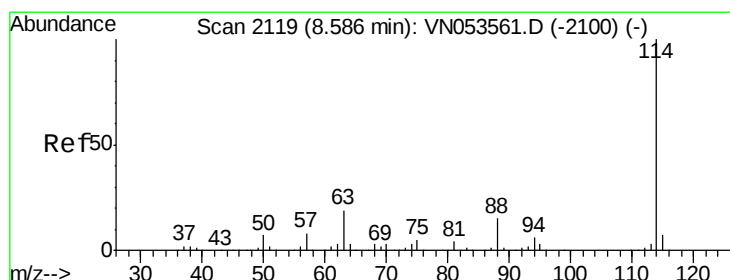
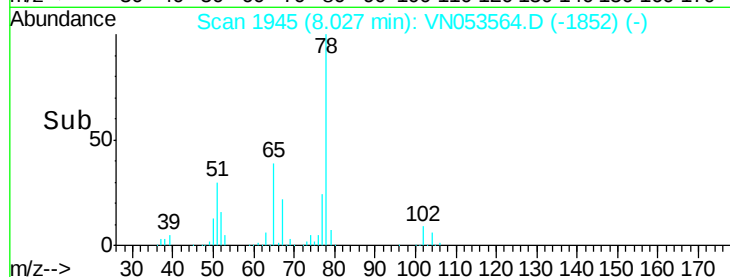
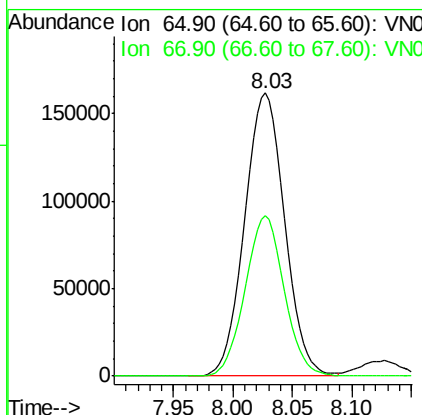
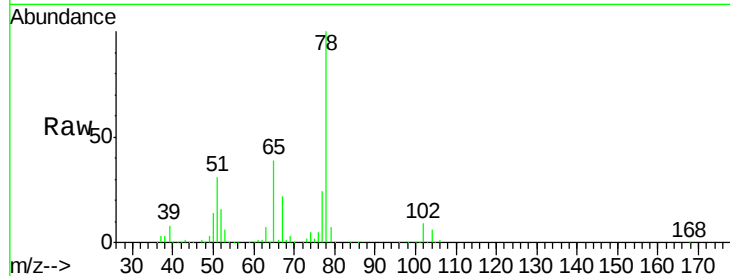
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.305 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 377405 |       |       |
| 67      | 55.4  | 0.0    | 111.2 |       |

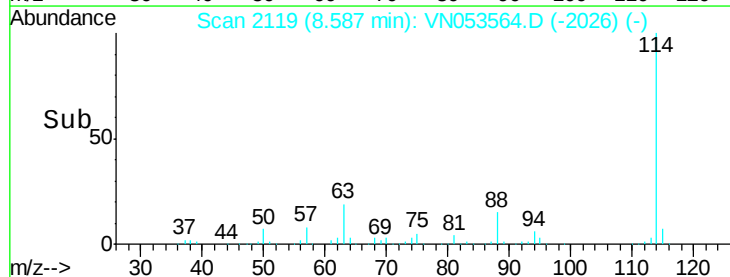
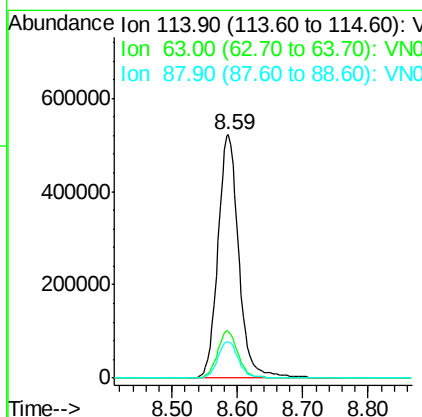
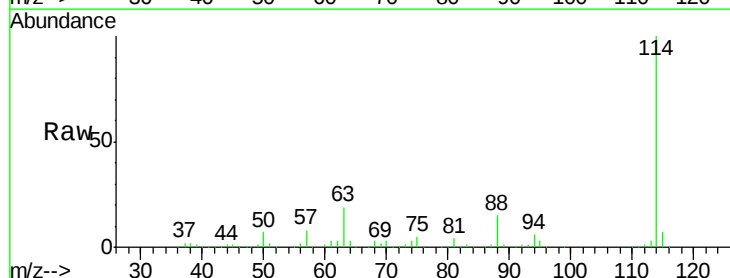
Manual Integrations  
 APPROVED

MMDadoda  
 2/1/2019 9:18:44 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1153584 |       |       |
| 63      | 19.2  | 0.0     | 38.6  |       |
| 88      | 15.0  | 0.0     | 30.4  |       |





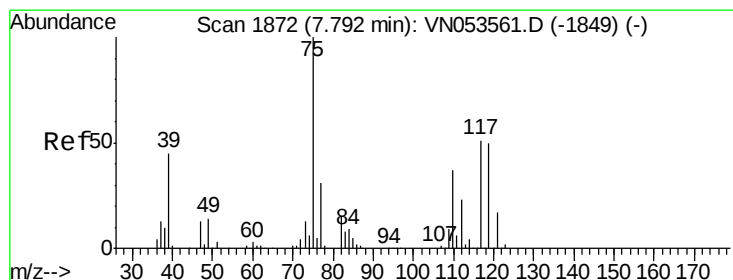
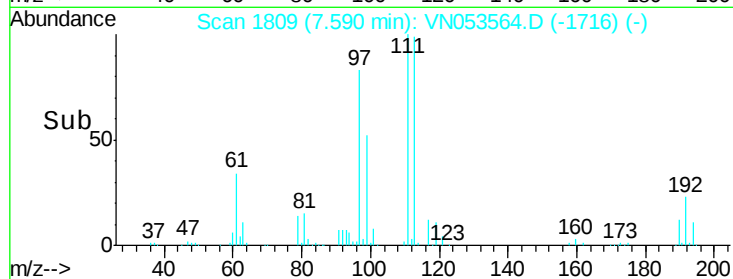
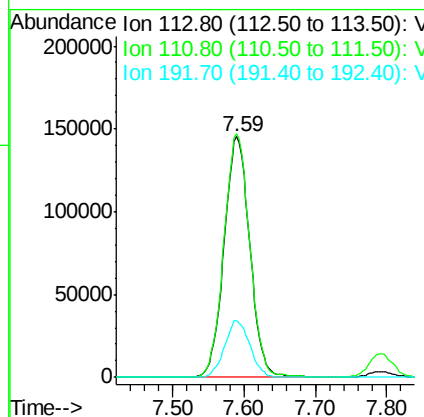
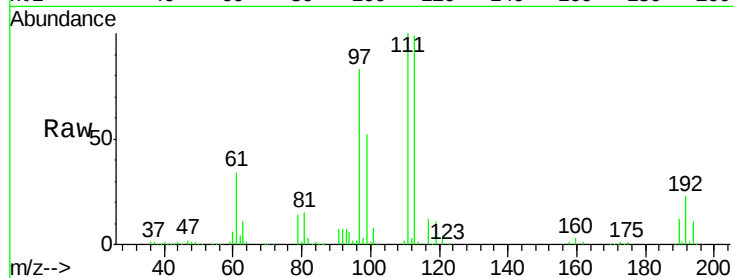
#35  
Dibromofluoromethane  
Concen: 50.087 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 365094 |       |       |
| 111     | 101.3 | 81.1   | 121.7 |       |
| 192     | 23.2  | 18.2   | 27.2  |       |

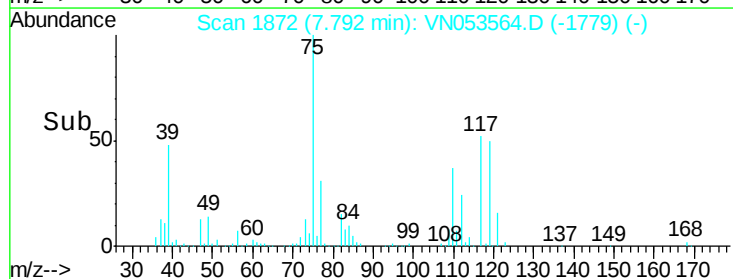
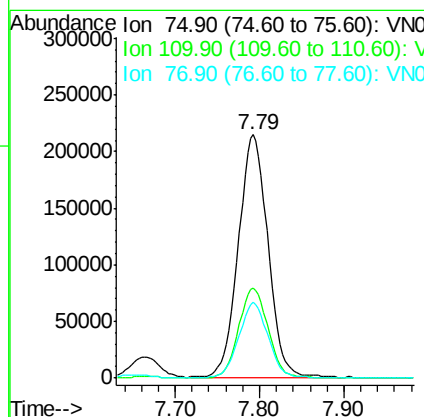
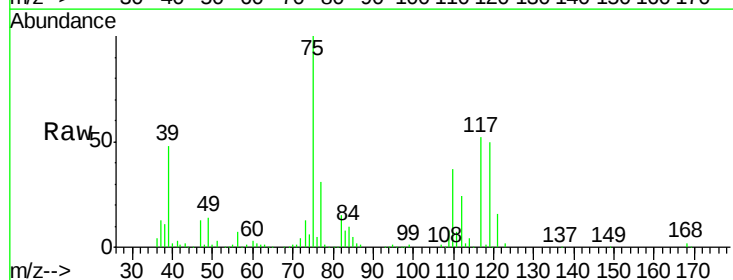
Manual Integrations  
APPROVED

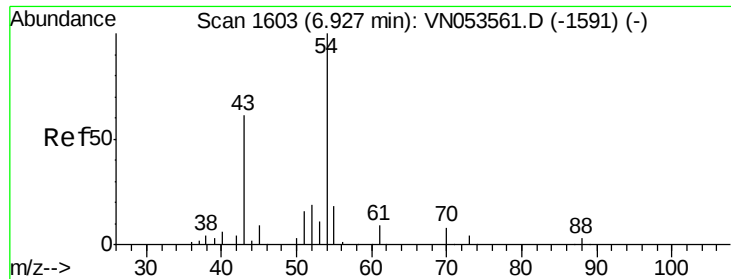
MMDadoda  
2/1/2019 9:18:44 AM



#36  
1,1-Dichloropropene  
Concen: 50.428 ug/l  
RT: 7.79 min Scan# 1872  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 524389 |       |       |
| 110     | 37.1  | 18.1   | 54.3  |       |
| 77      | 31.2  | 25.1   | 37.7  |       |





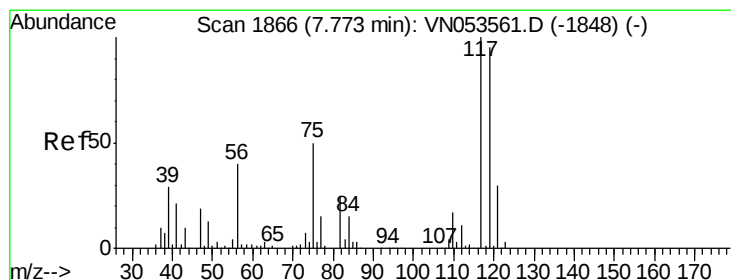
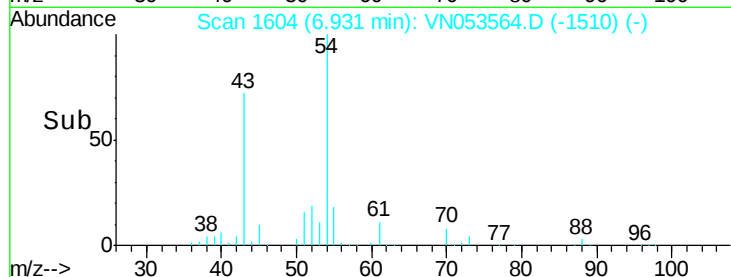
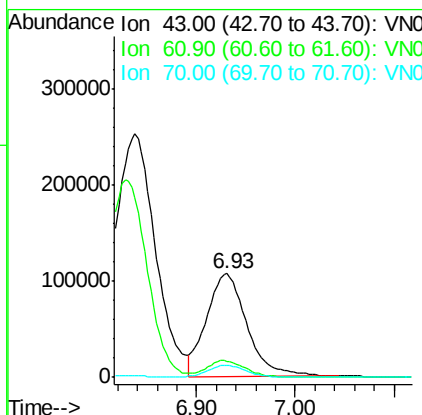
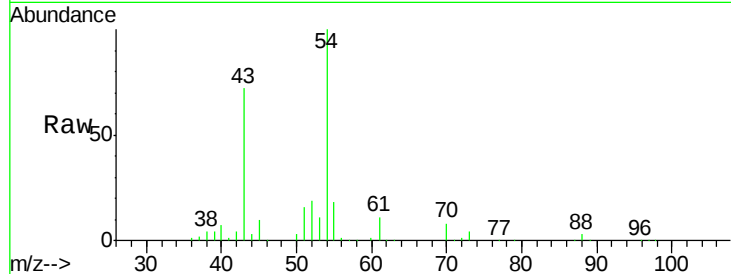
#37  
**Ethyl Acetate**  
 Concen: 52.598 ug/l  
 RT: 6.93 min Scan# 1604  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.1  | 11.8  | 17.6  |
| 70      | 11.4  | 8.6   | 12.8  |

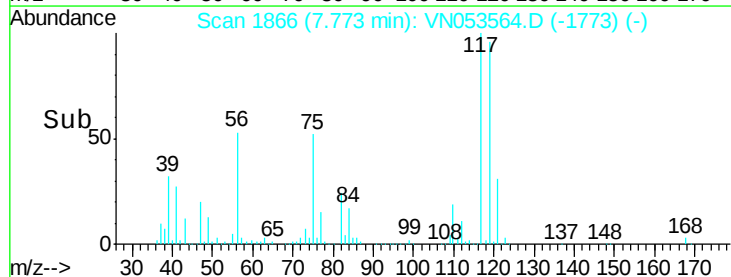
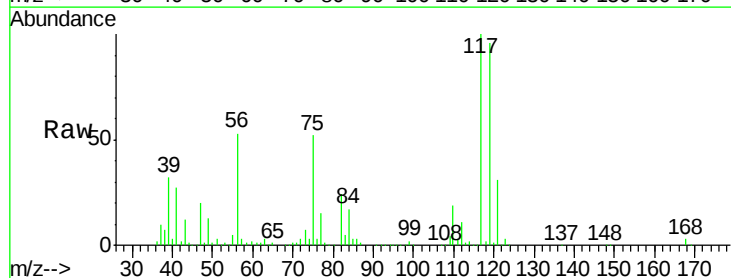
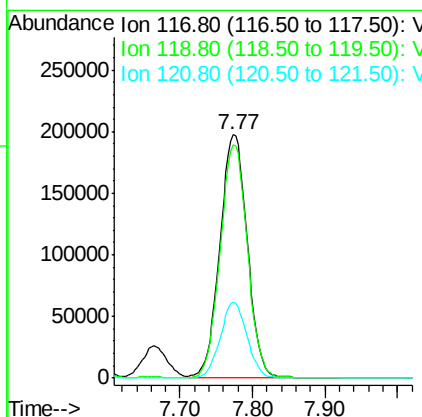
Manual Integrations  
**APPROVED**

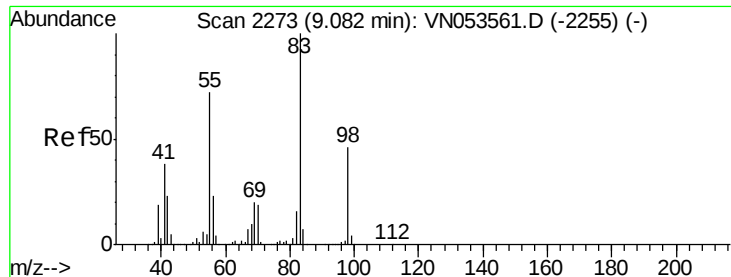
MMDadoda  
 2/1/2019 9:18:44 AM



#38  
**Carbon Tetrachloride**  
 Concen: 49.455 ug/l  
 RT: 7.77 min Scan# 1866  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.8  | 77.2  | 115.8 |
| 121     | 31.0  | 24.6  | 37.0  |





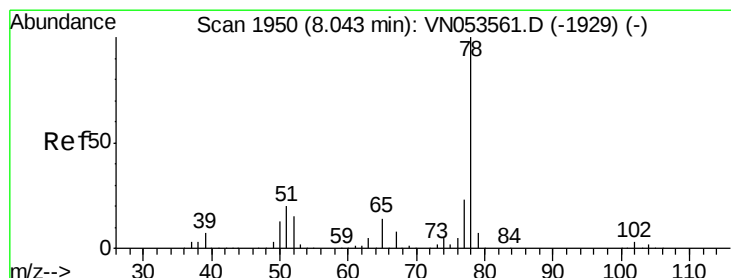
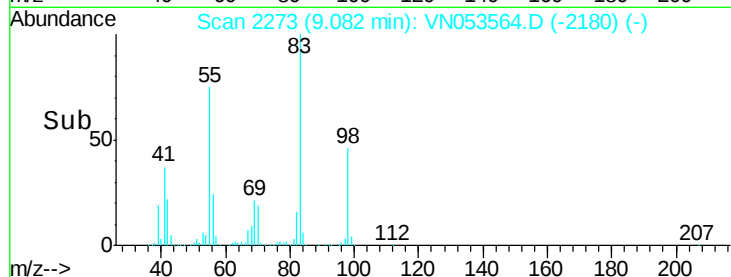
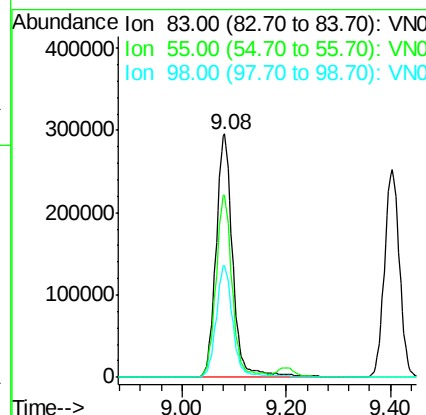
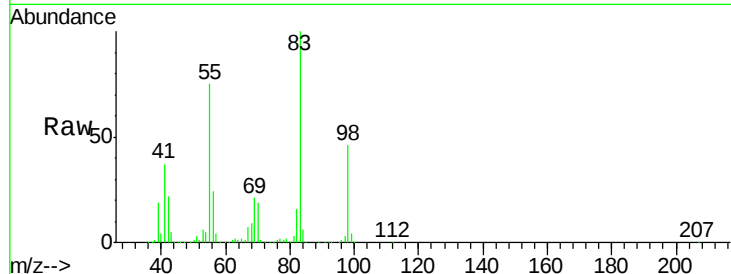
#39  
Methylcyclohexane  
Concen: 53.653 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 661929 |       |       |
| 55      | 74.9  | 60.1   | 90.1  |       |
| 98      | 45.9  | 36.6   | 55.0  |       |

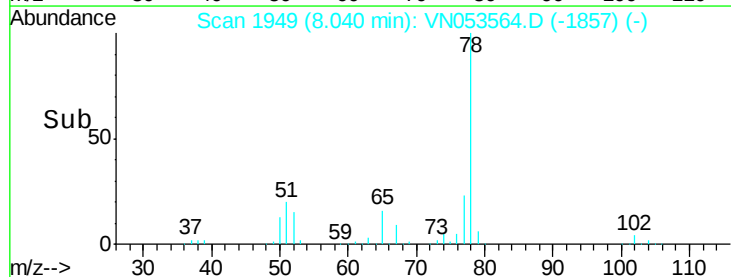
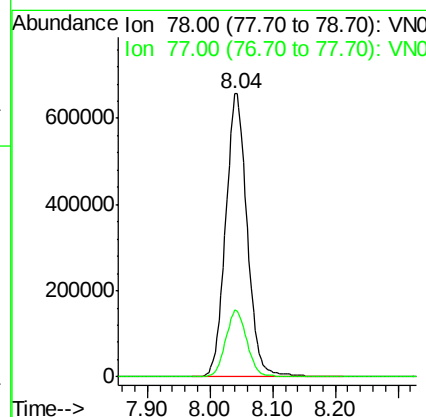
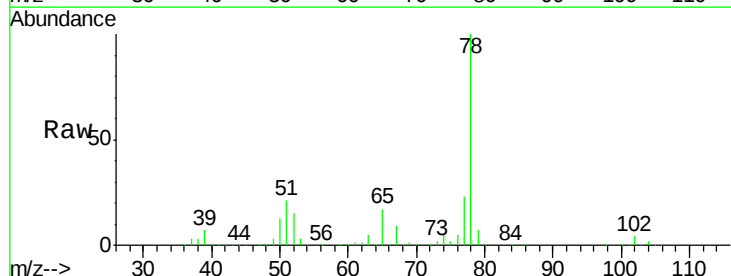
Manual Integrations  
APPROVED

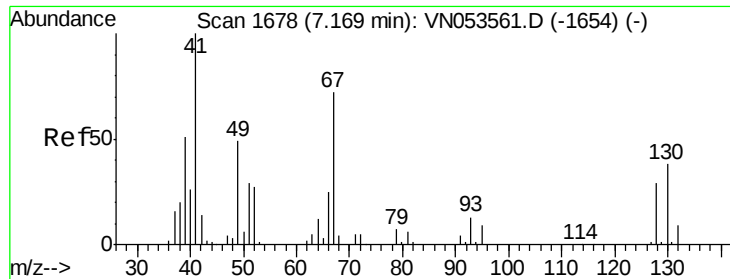
MMDadoda  
2/1/2019 9:18:44 AM



#40  
Benzene  
Concen: 48.891 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. -0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 78      | 100   | 1567797 |       |       |
| 77      | 23.5  | 18.8    | 28.2  |       |





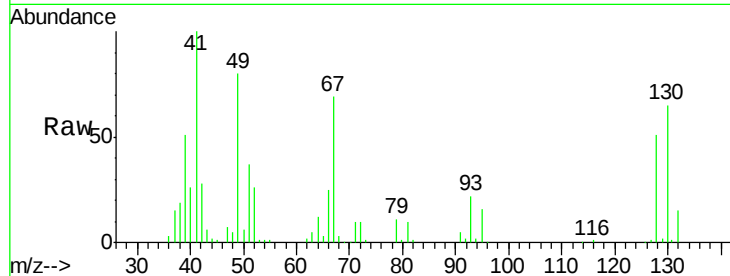
#41  
Methacrylonitrile  
Concen: 48.273 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. 0.01 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

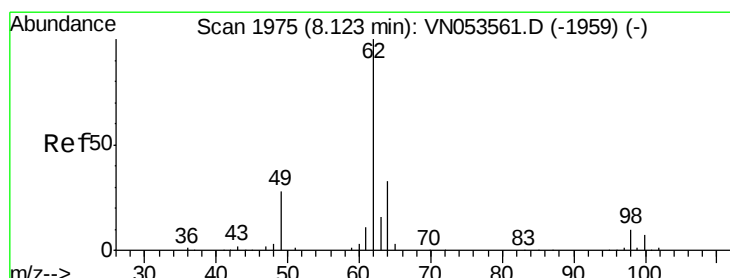
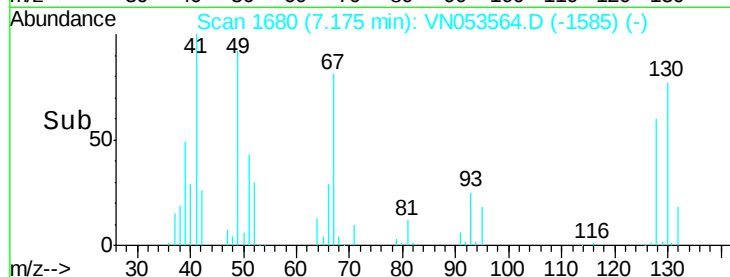
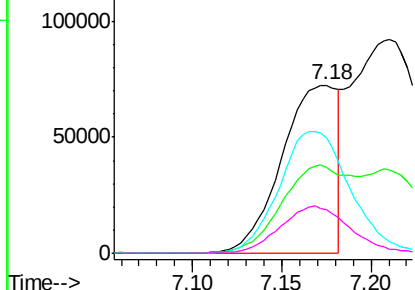
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.3  | 46.8  | 70.2  |
| 67      | 94.3  | 63.0  | 94.6  |
| 52      | 36.2  | 23.8  | 35.8# |

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM

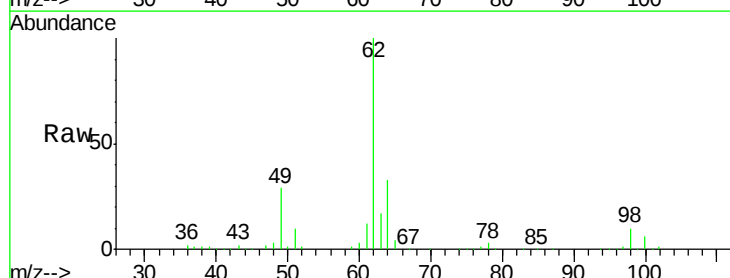


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC  
Ion 67.00 (66.70 to 67.70): VNC  
Ion 52.00 (51.70 to 52.70): VNC

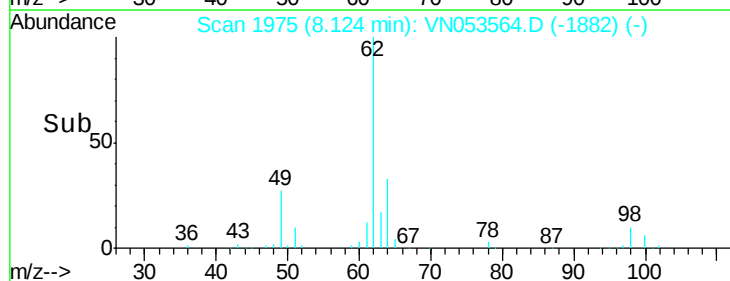
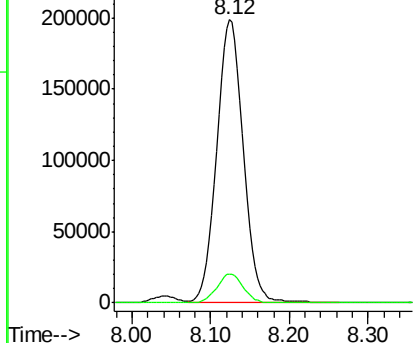


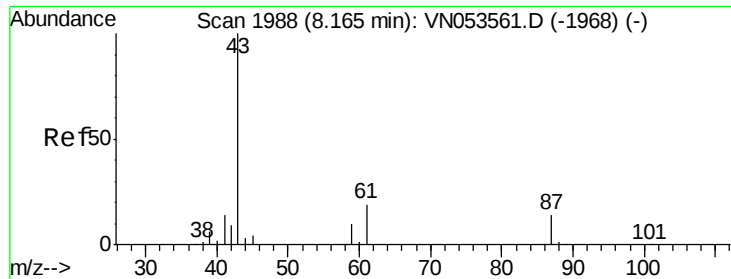
#42  
1,2-Dichloroethane  
Concen: 48.372 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.1  | 0.0   | 19.6  |



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





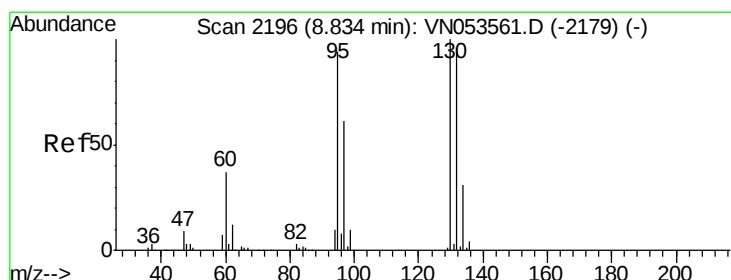
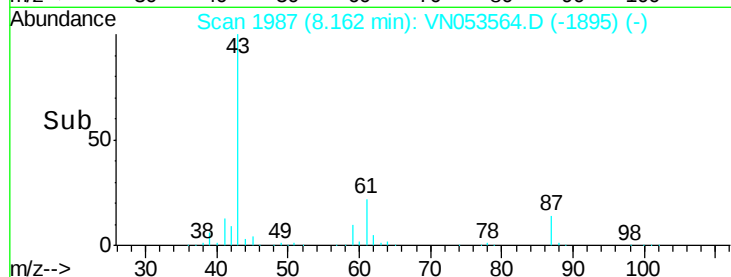
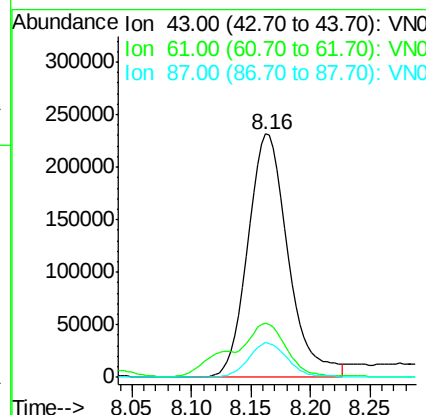
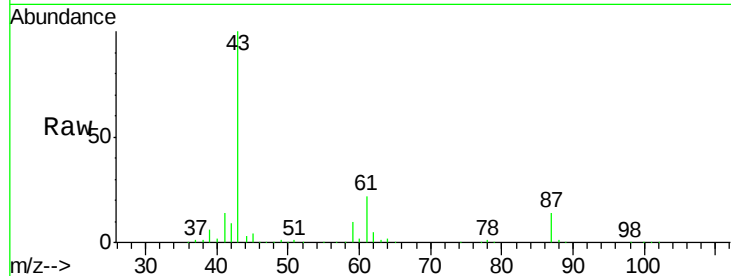
#43  
Isopropyl Acetate  
Concen: 48.346 ug/l  
RT: 8.16 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.4  | 23.9  | 35.9# |
| 87      | 14.3  | 11.0  | 16.6  |

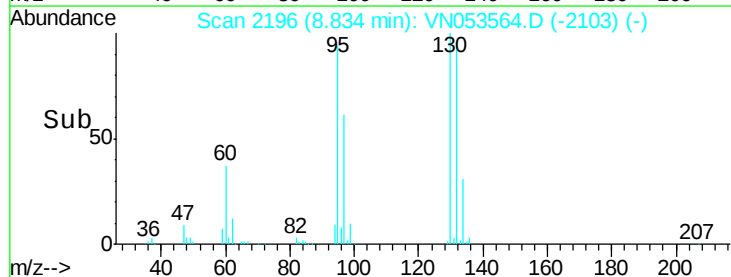
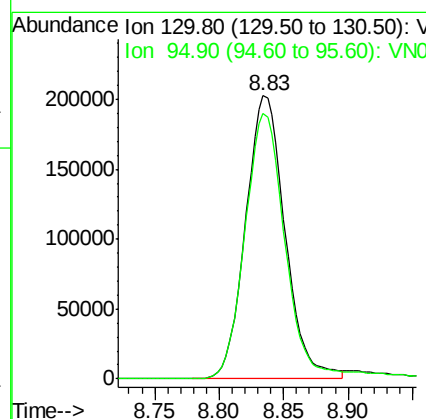
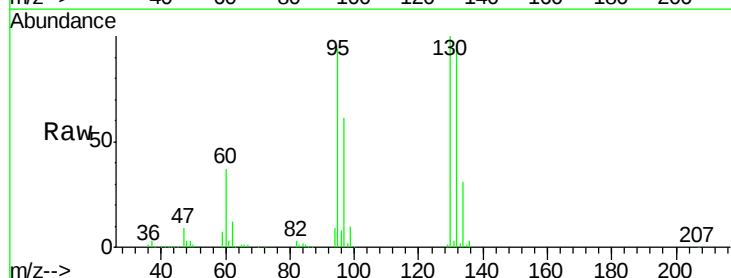
Manual Integrations  
APPROVED

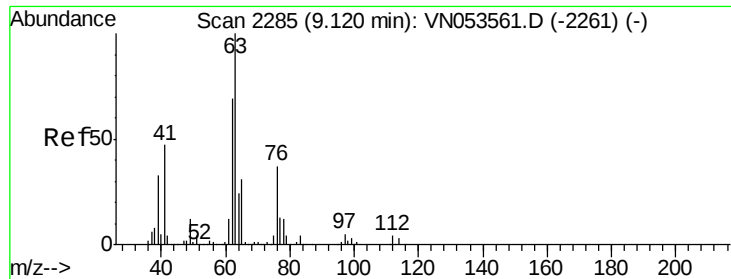
MMDadoda  
2/1/2019 9:18:44 AM



#44  
Trichloroethene  
Concen: 47.353 ug/l  
RT: 8.83 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.7  | 0.0   | 191.4 |





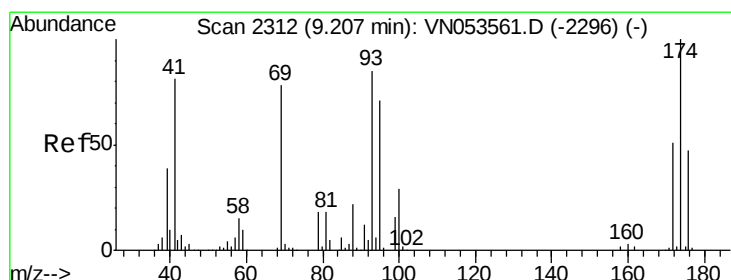
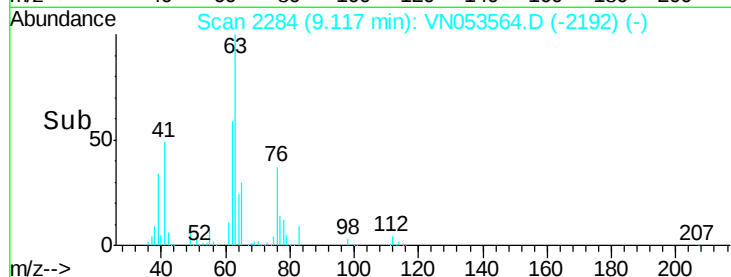
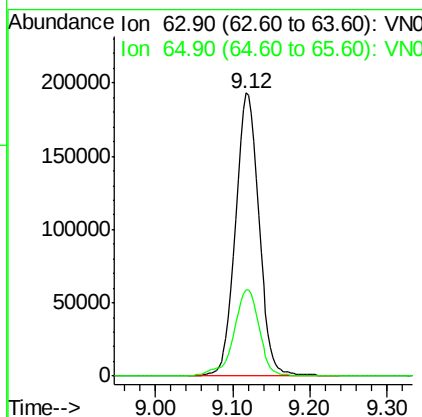
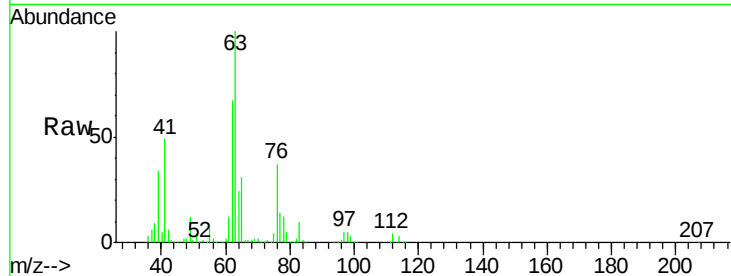
#45  
 1,2-Dichloropropane  
 Concen: 49.477 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

Tgt Ion: 63 Resp: 405807  
 Ion Ratio Lower Upper  
 63 100  
 65 30.4 25.0 37.4

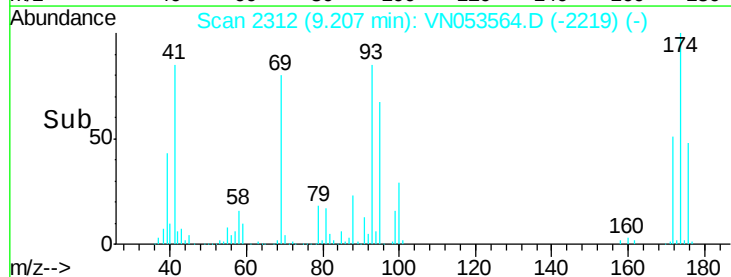
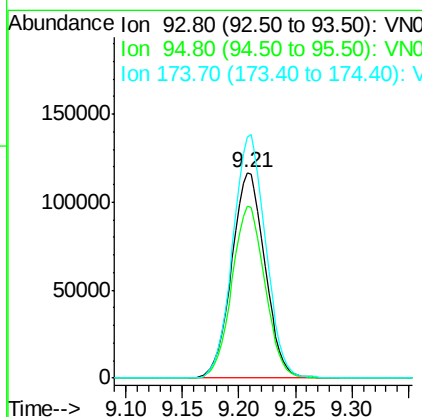
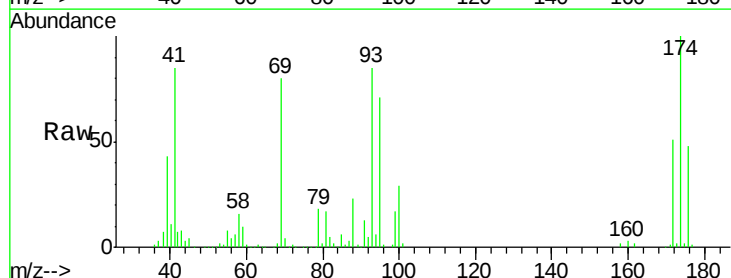
Manual Integrations  
 APPROVED

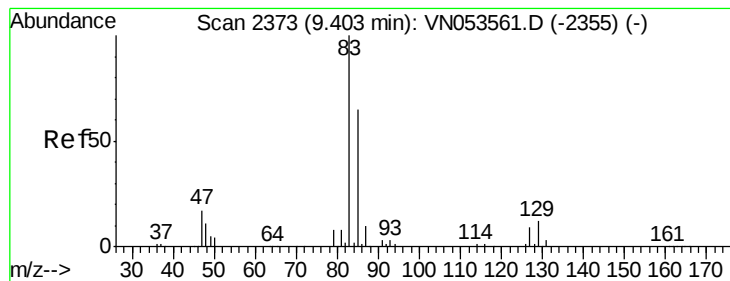
MMDadoda  
 2/1/2019 9:18:44 AM



#46  
 Dibromomethane  
 Concen: 48.459 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Tgt Ion: 93 Resp: 239595  
 Ion Ratio Lower Upper  
 93 100  
 95 83.2 67.3 100.9  
 174 117.0 91.0 136.4





#47

Bromodichloromethane

Concen: 49.125 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

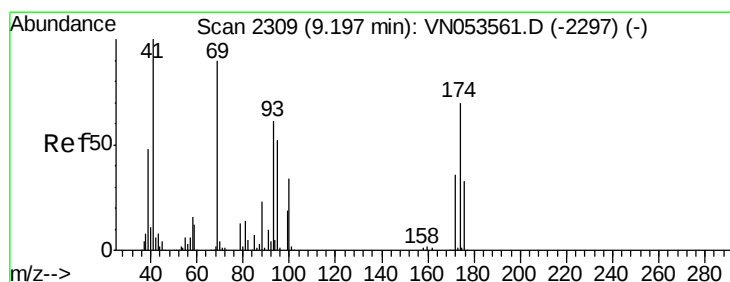
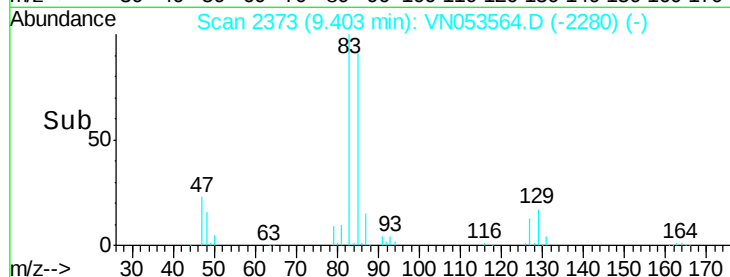
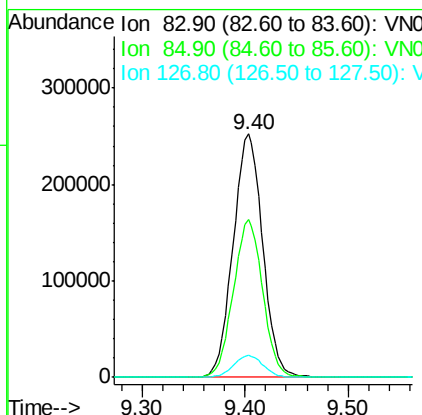
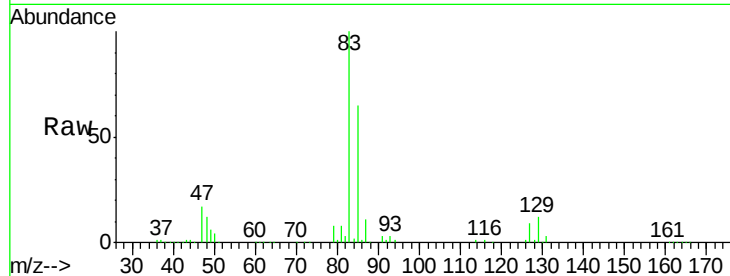
ClientSampleId :

ICVVN013019

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 505009 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.6  | 51.0  | 76.6   |
| 127      | 9.1   | 7.0   | 10.6   |

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#48

Methyl methacrylate

Concen: 49.270 ug/l

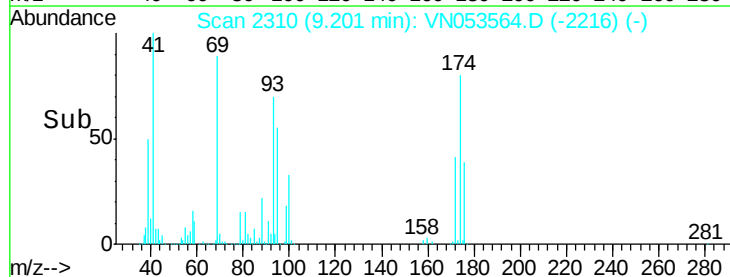
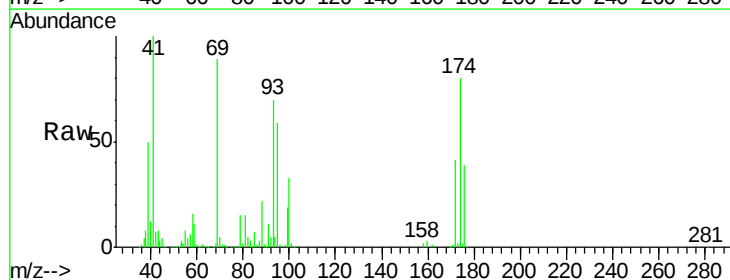
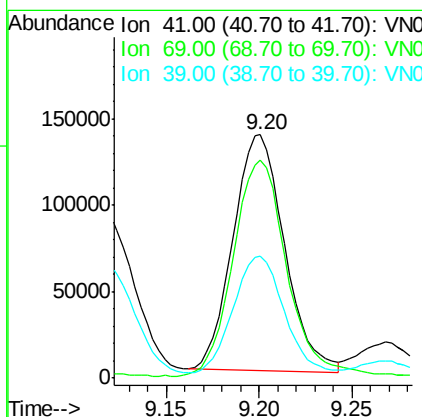
RT: 9.20 min Scan# 2310

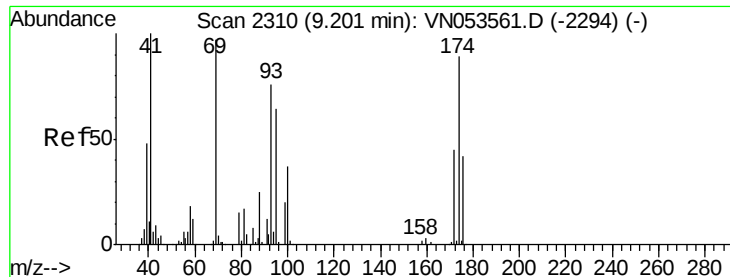
Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 263789 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 99.2  | 73.8  | 110.6  |
| 39       | 53.7  | 40.0  | 60.0   |





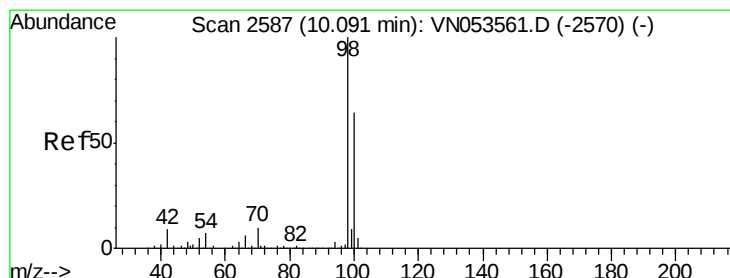
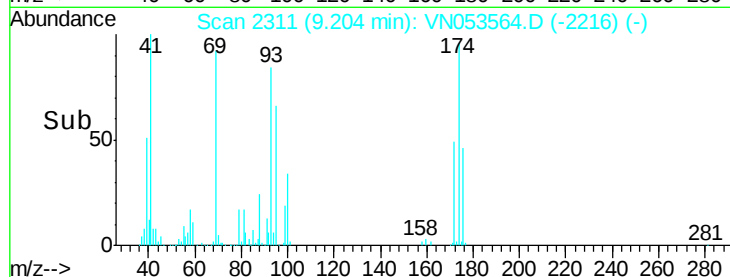
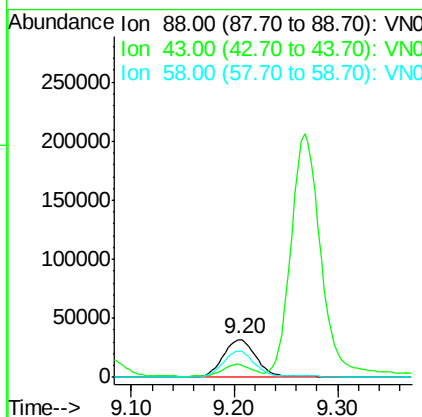
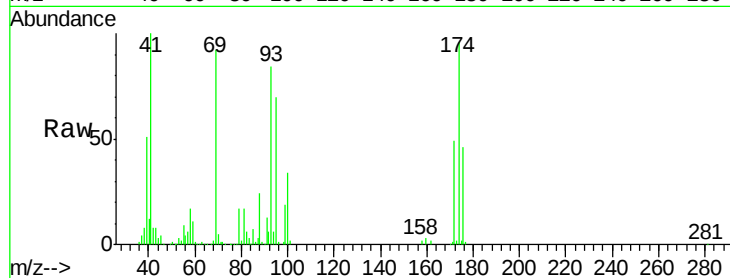
#49  
1,4-Dioxane  
Concen: 955.332 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 28.3  | 27.8  | 41.6  |
| 58      | 65.9  | 56.5  | 84.7  |

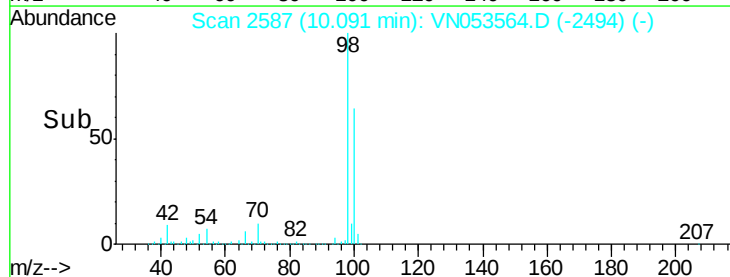
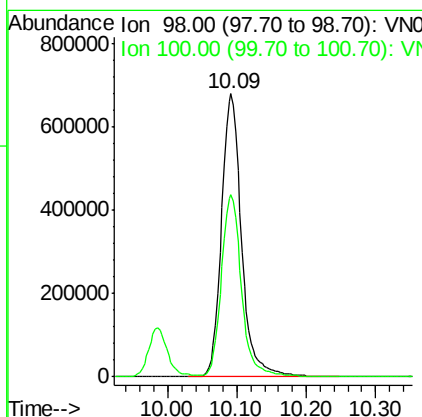
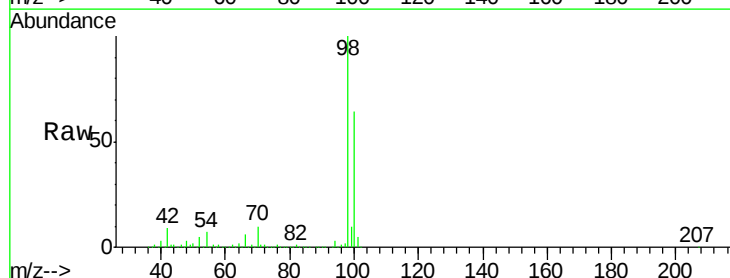
Manual Integrations  
APPROVED

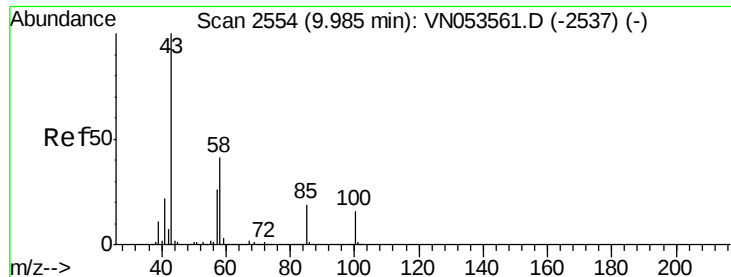
MMDadoda  
2/1/2019 9:18:44 AM



#50  
Toluene-d8  
Concen: 49.805 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.0  | 51.4  | 77.0  |





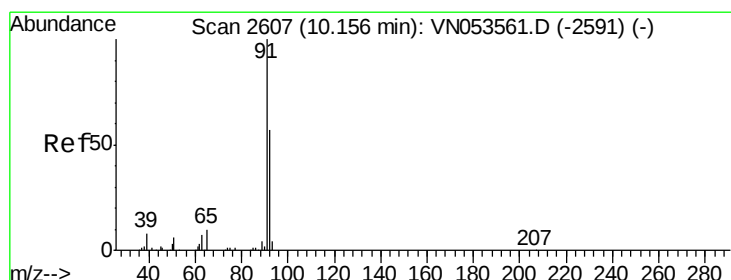
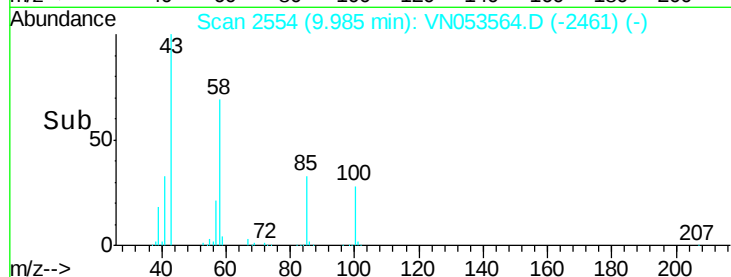
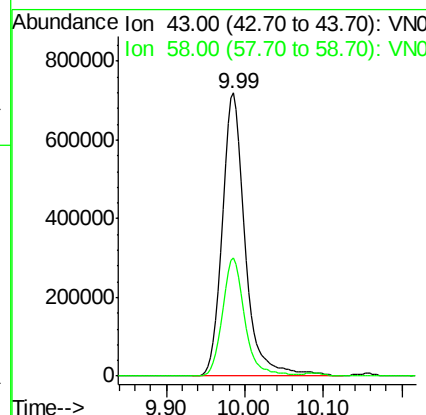
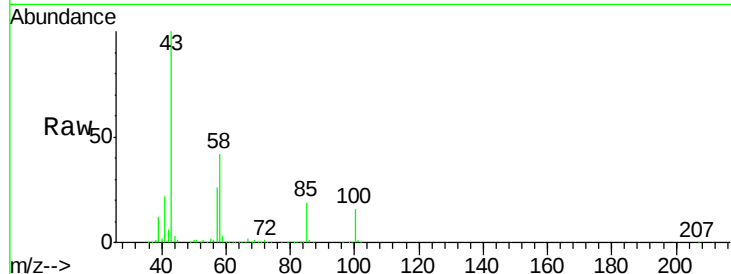
#51  
4-Methyl-2-Pentanone  
Concen: 260.528 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

Tgt Ion: 43 Resp: 1435927  
Ion Ratio Lower Upper  
43 100  
58 41.0 32.8 49.2

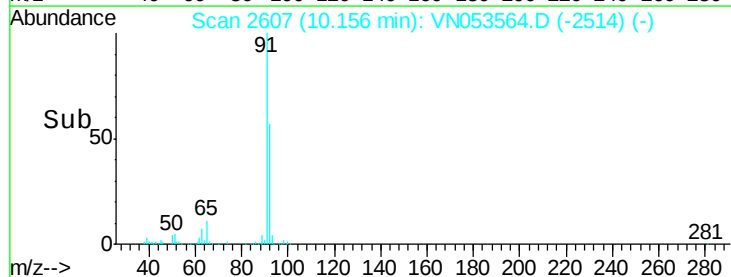
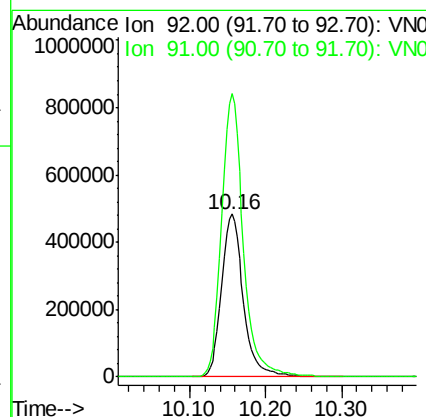
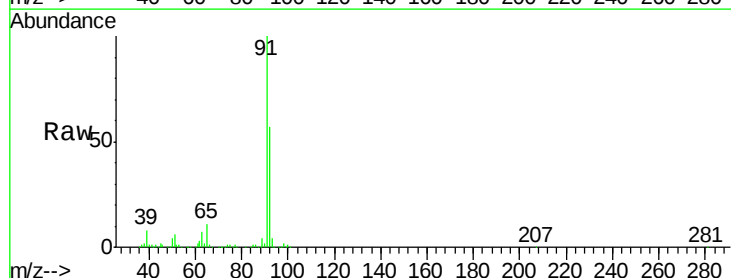
Manual Integrations  
APPROVED

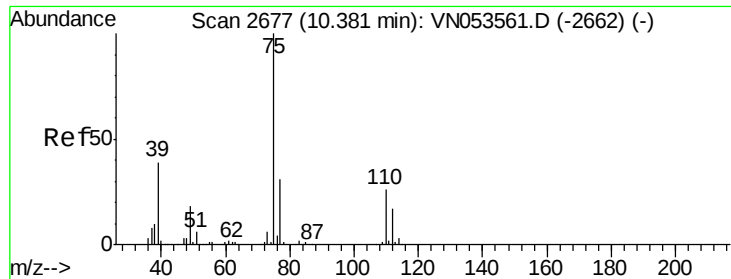
MMDadoda  
2/1/2019 9:18:44 AM



#52  
Toluene  
Concen: 50.444 ug/l  
RT: 10.16 min Scan# 2607  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion: 92 Resp: 960040  
Ion Ratio Lower Upper  
92 100  
91 173.3 139.9 209.9





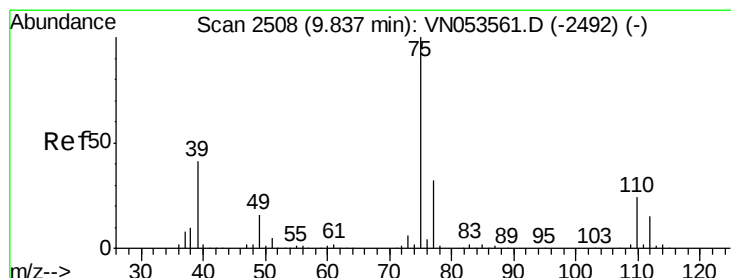
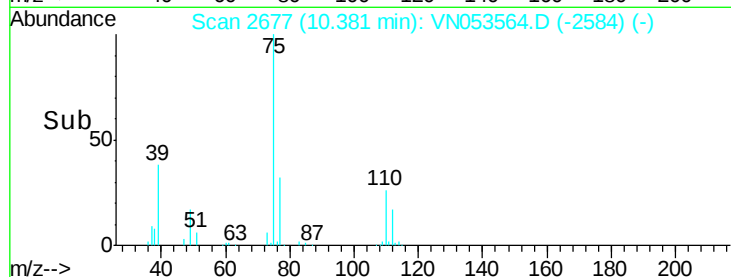
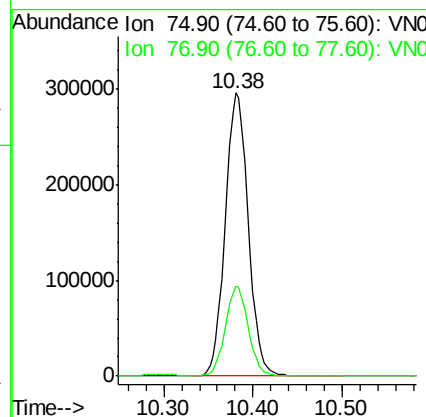
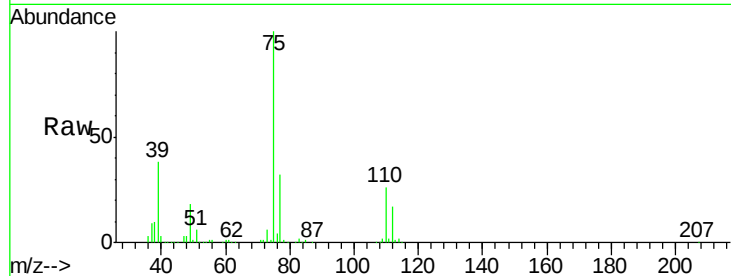
#53  
t-1,3-Dichloropropene  
Concen: 51.353 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN013019

Tgt Ion: 75 Resp: 528630  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.5 38.3

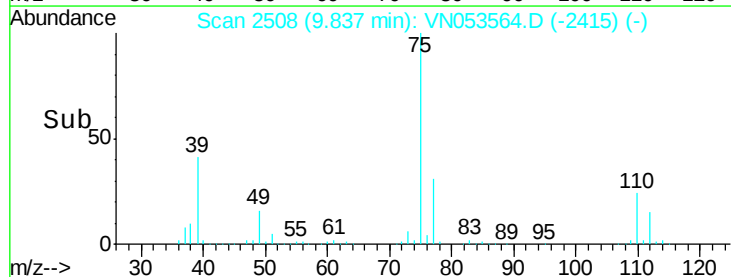
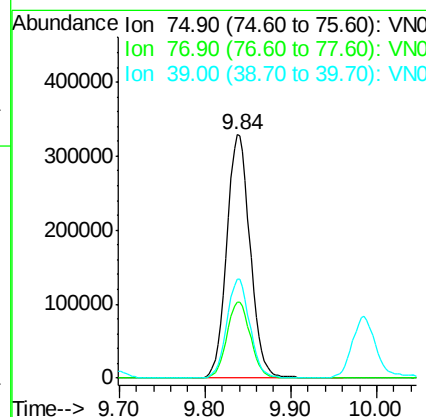
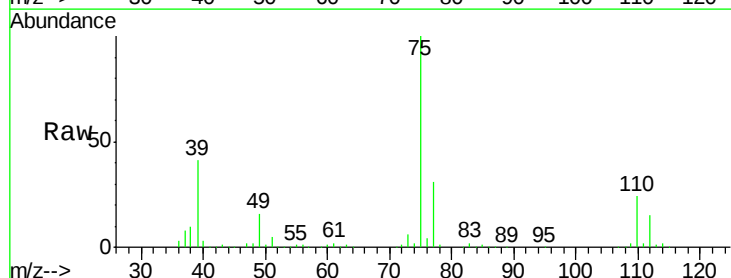
Manual Integrations  
APPROVED

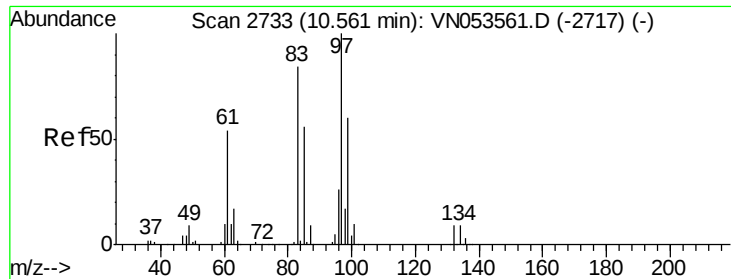
MMDadoda  
2/1/2019 9:18:44 AM



#54  
cis-1,3-Dichloropropene  
Concen: 50.894 ug/l  
RT: 9.84 min Scan# 2508  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion: 75 Resp: 620819  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.8 38.6  
39 40.7 33.4 50.0





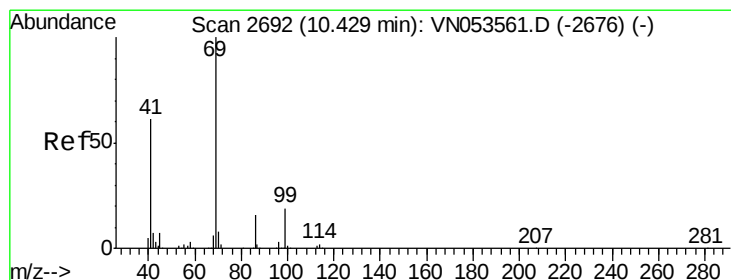
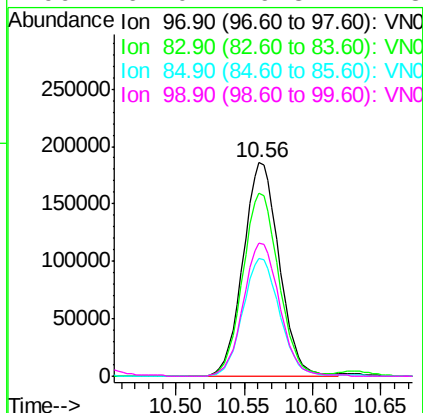
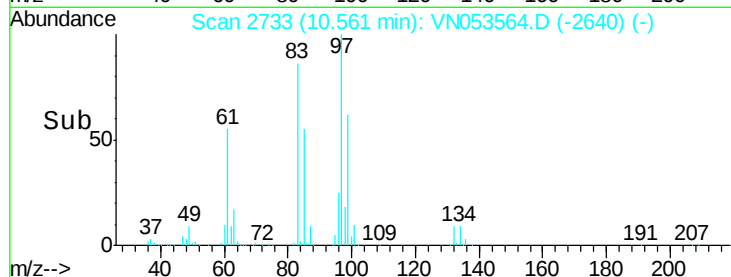
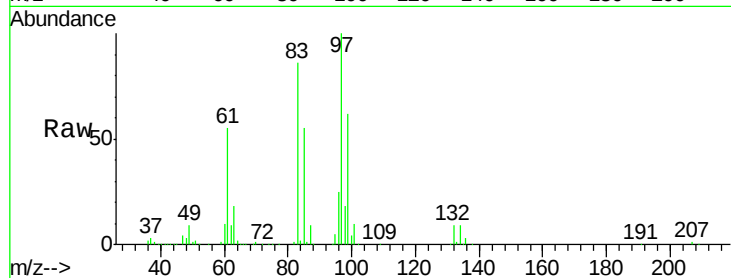
#55  
 1,1,2-Trichloroethane  
 Concen: 49.750 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 85.9  | 70.1  | 105.1 |
| 85      | 55.1  | 45.4  | 68.0  |
| 99      | 62.0  | 49.8  | 74.8  |

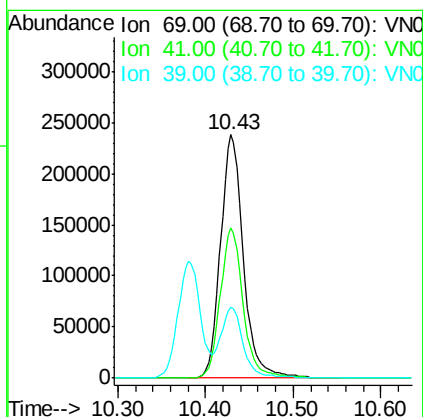
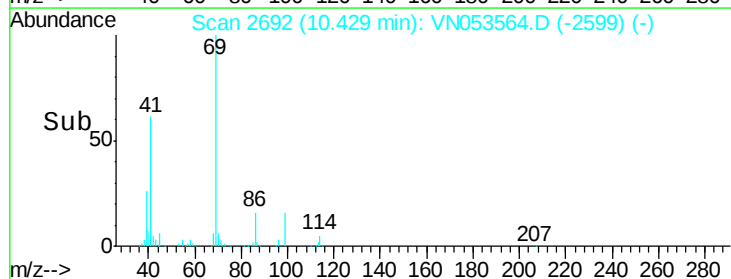
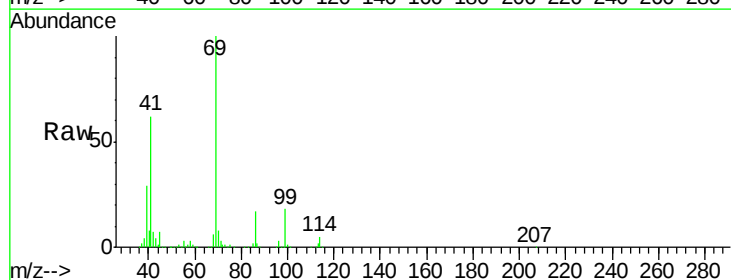
Manual Integrations  
 APPROVED

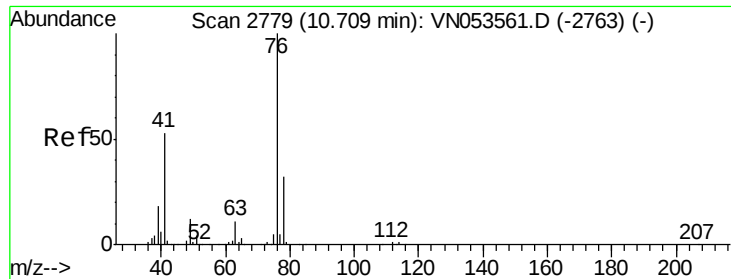
MMDadoda  
 2/1/2019 9:18:44 AM



#56  
 Ethyl methacrylate  
 Concen: 53.243 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 61.0  | 49.4  | 74.0  |
| 39      | 28.7  | 23.3  | 34.9  |





#57

1,3-Dichloropropane

Concen: 49.318 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN013019

Tgt Ion: 76 Resp: 578034

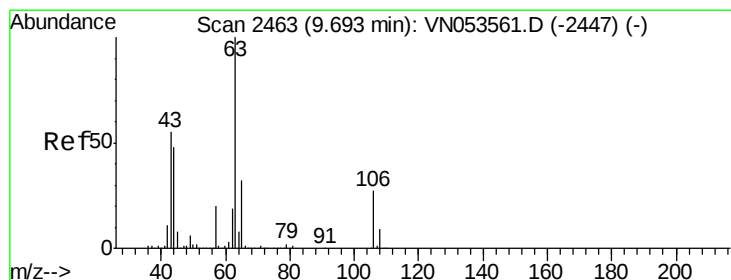
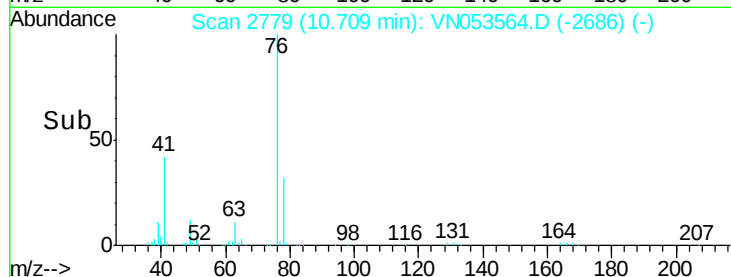
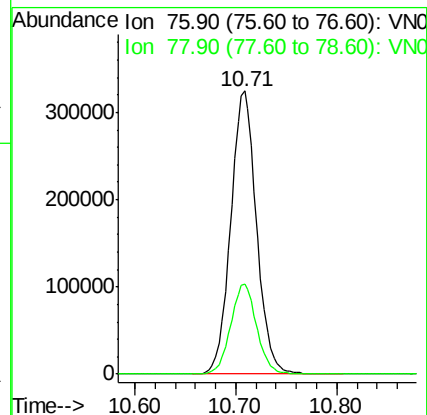
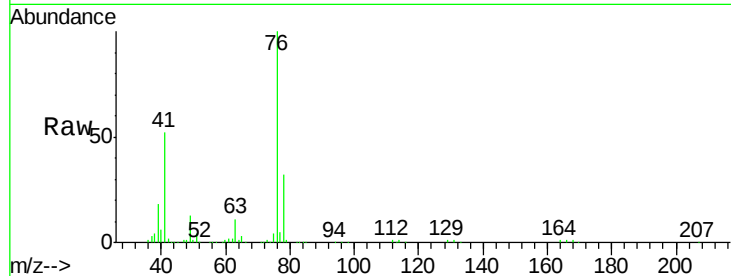
Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#58

2-Chloroethyl Vinyl ether

Concen: 237.134 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053564.D

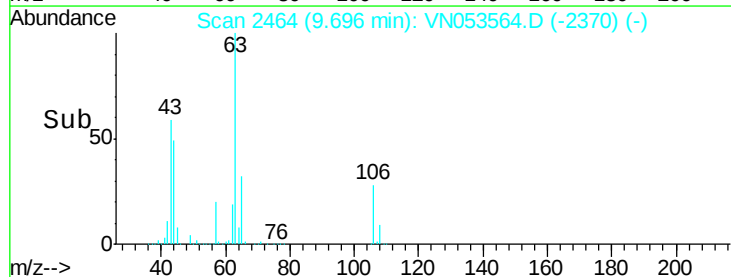
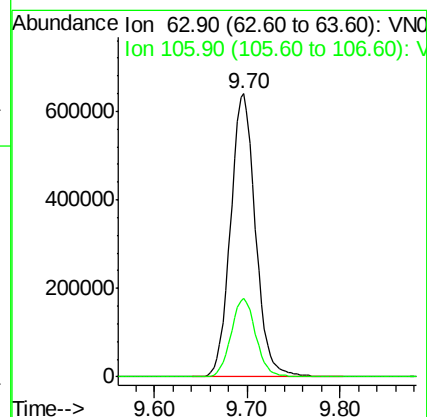
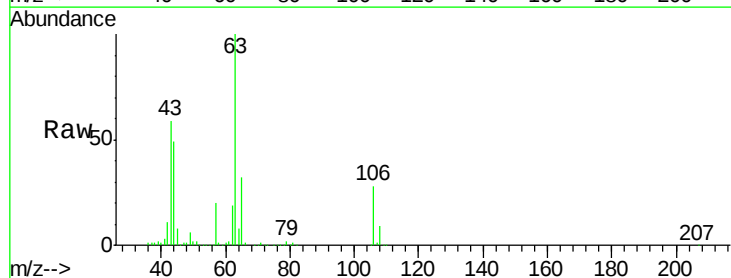
Acq: 30 Jan 2019 11:42

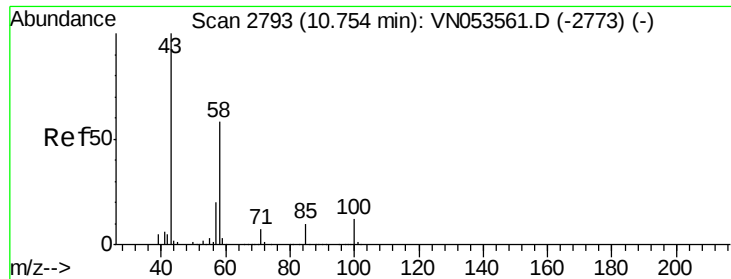
Tgt Ion: 63 Resp: 1190988

Ion Ratio Lower Upper

63 100

106 27.7 21.5 32.3





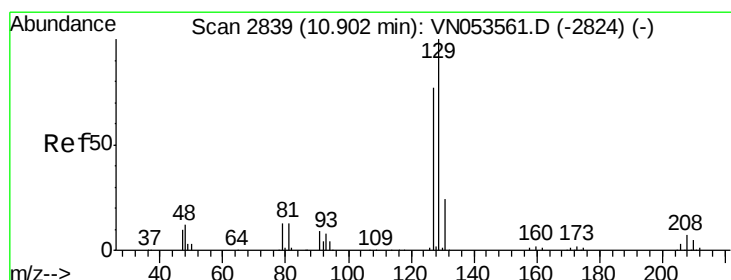
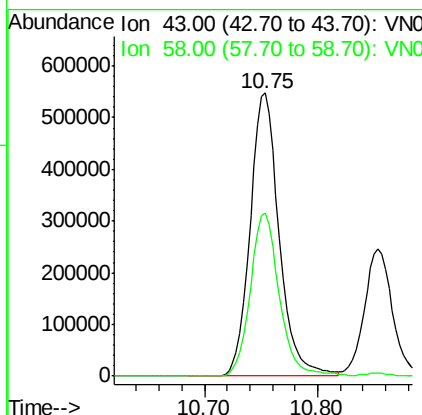
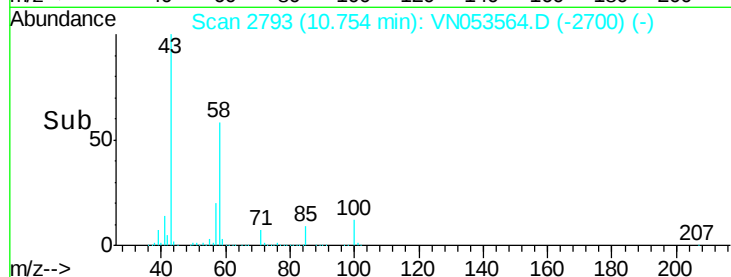
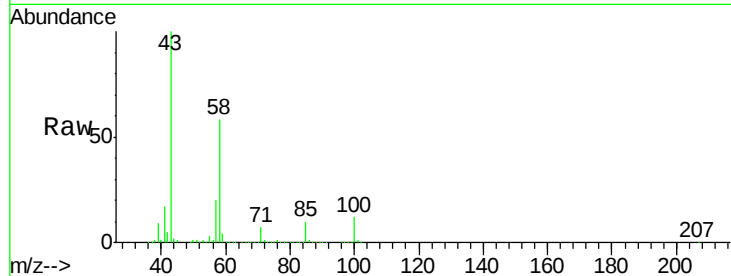
#59  
2-Hexanone  
Concen: 259.947 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

Tgt Ion: 43 Resp: 972637  
Ion Ratio Lower Upper  
43 100  
58 57.7 28.6 85.8

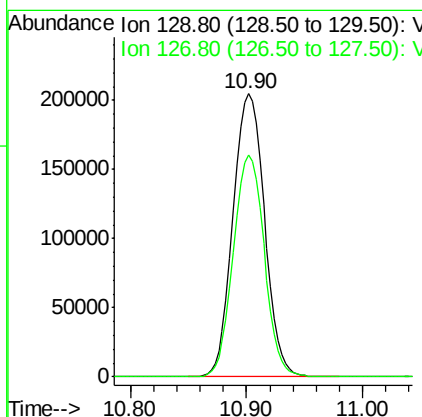
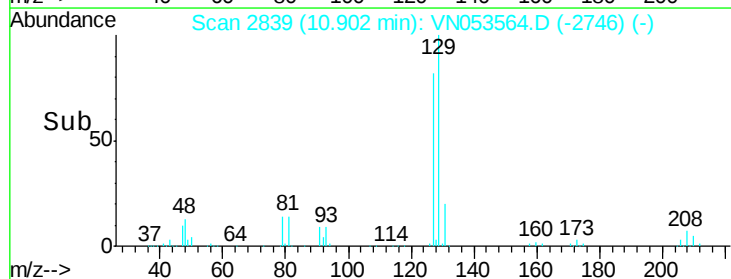
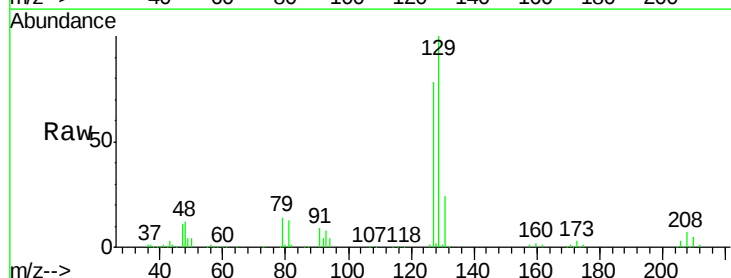
Manual Integrations  
APPROVED

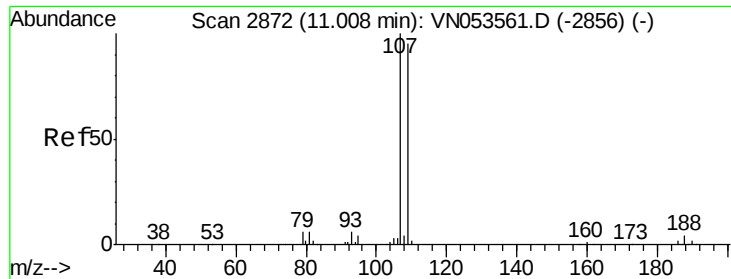
MMDadoda  
2/1/2019 9:18:44 AM



#60  
Dibromochloromethane  
Concen: 49.966 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion: 129 Resp: 386418  
Ion Ratio Lower Upper  
129 100  
127 76.9 38.6 115.8





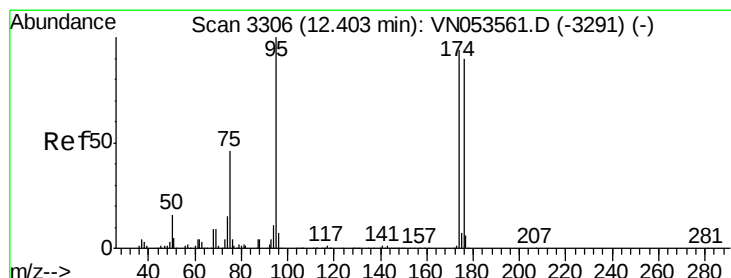
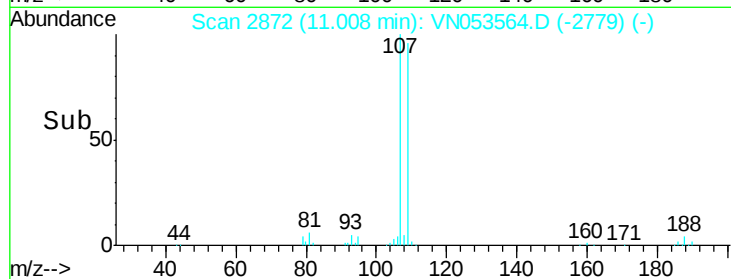
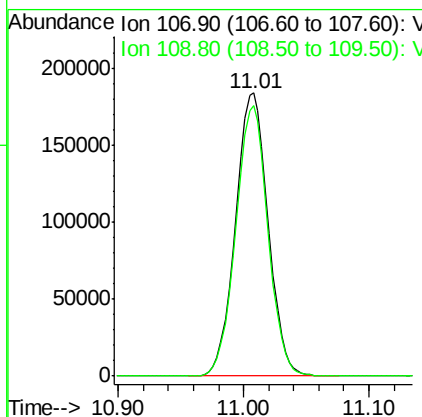
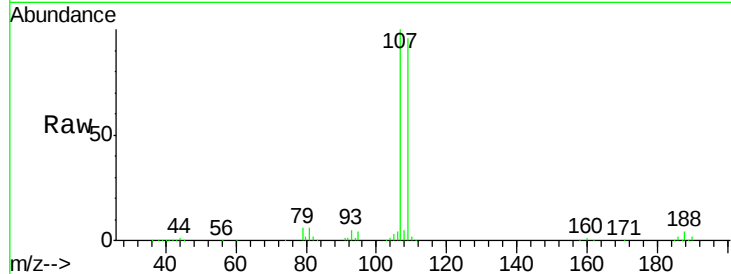
#61  
1,2-Dibromoethane  
Concen: 48.855 ug/l  
RT: 11.01 min Scan# 2872  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 331615 |       |       |
| 109     | 94.6  | 75.7   | 113.5 |       |

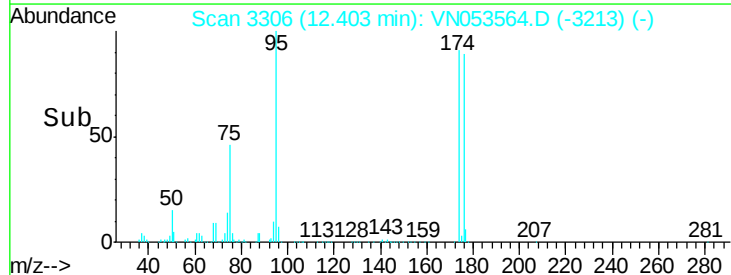
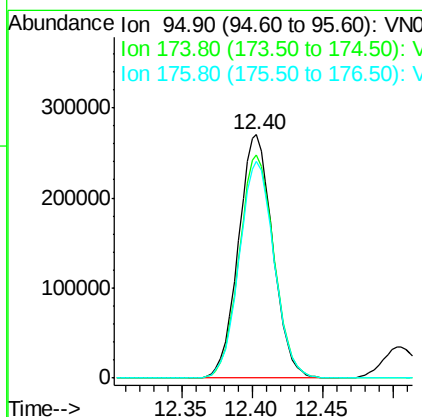
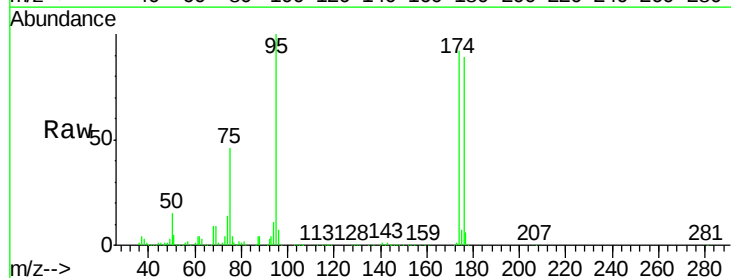
Manual Integrations  
APPROVED

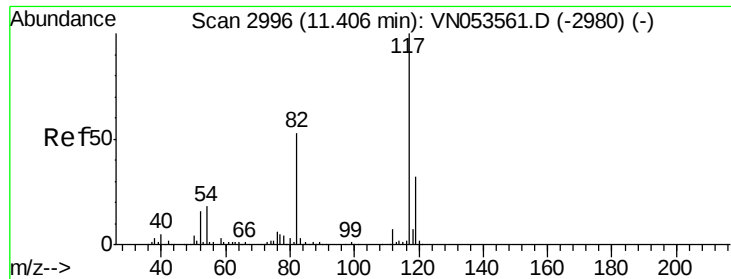
MMDadoda  
2/1/2019 9:18:44 AM



#62  
4-Bromofluorobenzene  
Concen: 50.541 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 461349 |       |       |
| 174     | 93.0  | 0.0    | 183.2 |       |
| 176     | 90.3  | 0.0    | 177.4 |       |





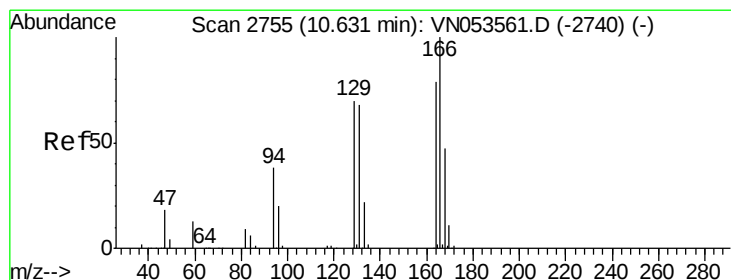
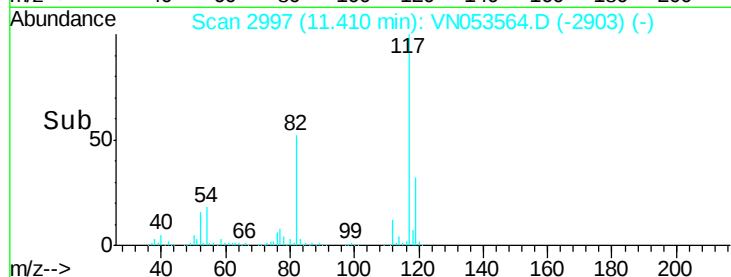
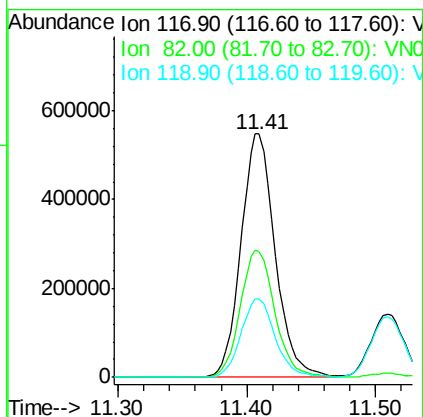
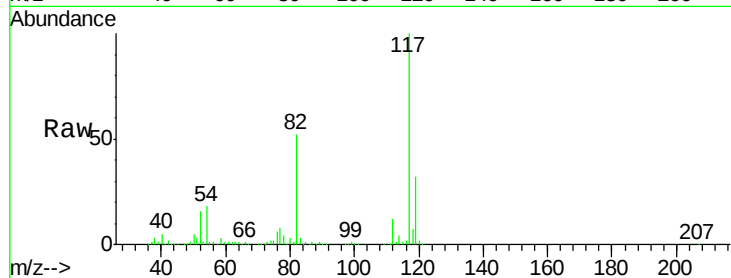
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

Tgt Ion:117 Resp: 1009599  
Ion Ratio Lower Upper  
117 100  
82 51.9 42.9 64.3  
119 32.2 26.0 39.0

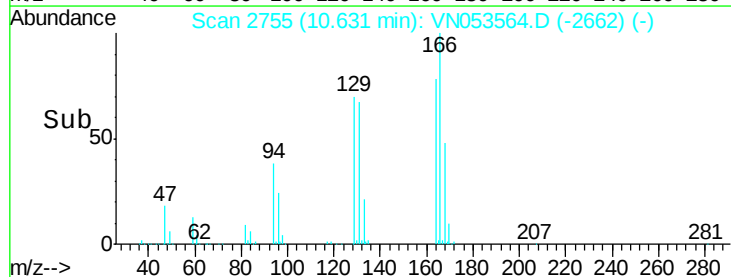
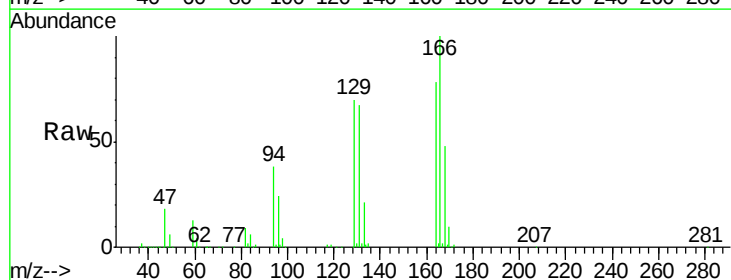
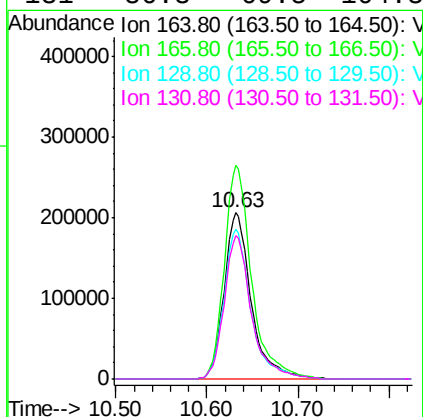
Manual Integrations  
APPROVED

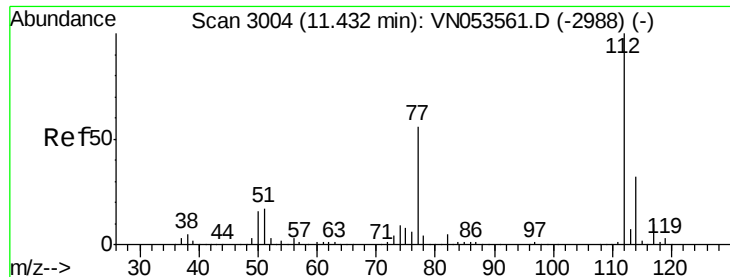
MMDadoda  
2/1/2019 9:18:44 AM



#64  
Tetrachloroethene  
Concen: 49.388 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion:164 Resp: 427425  
Ion Ratio Lower Upper  
164 100  
166 128.7 102.2 153.4  
129 90.5 72.6 109.0  
131 86.3 69.5 104.3





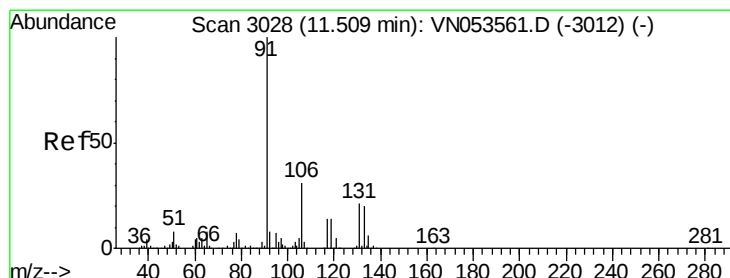
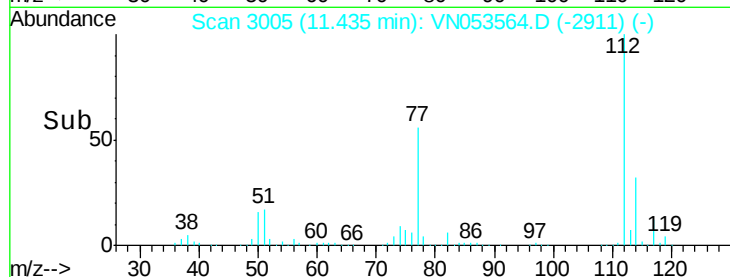
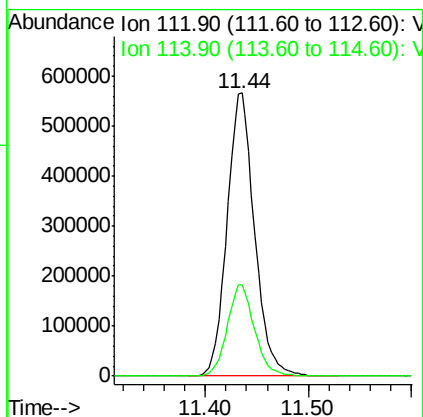
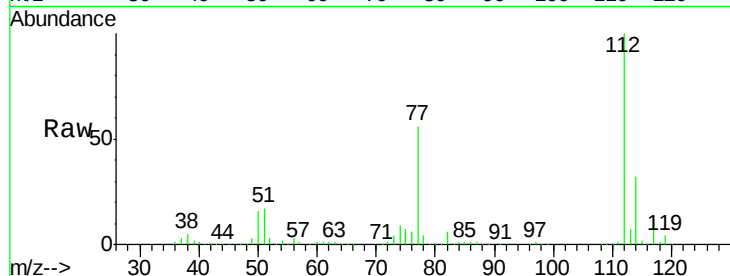
#65  
Chlorobenzene  
Concen: 48.951 ug/l  
RT: 11.44 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN013019

Tgt Ion:112 Resp: 1049750  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.3 37.9

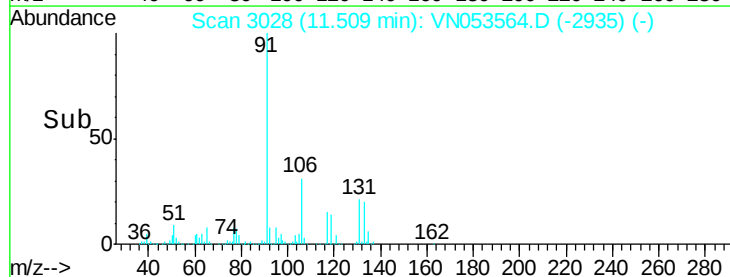
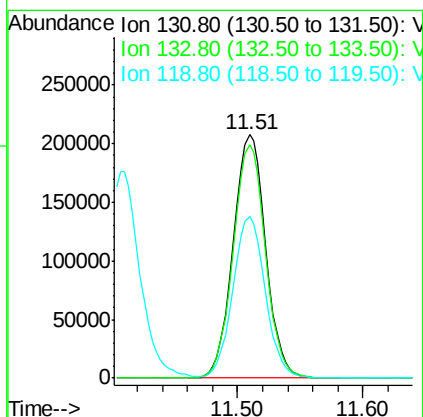
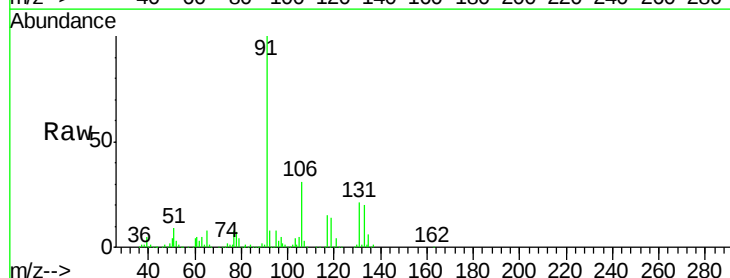
Manual Integrations  
APPROVED

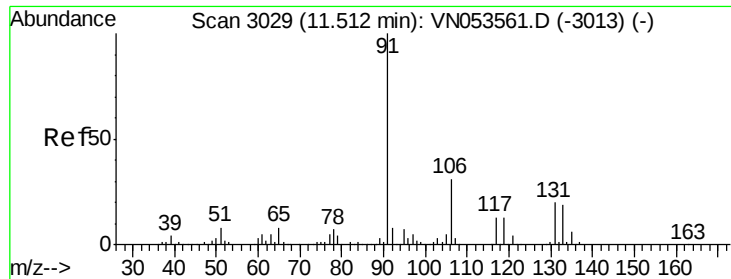
MMDadoda  
2/1/2019 9:18:44 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.850 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion:131 Resp: 373348  
Ion Ratio Lower Upper  
131 100  
133 95.3 48.0 144.0  
119 66.3 33.5 100.5





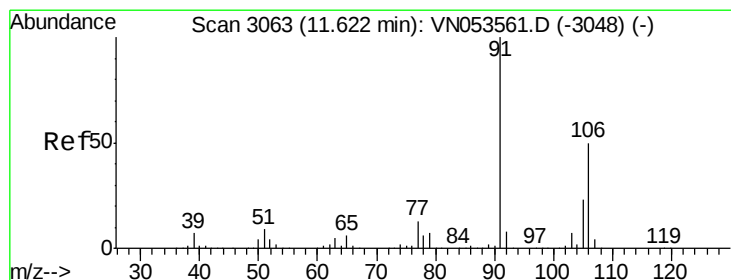
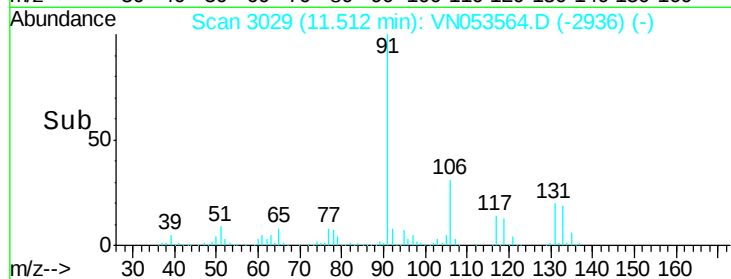
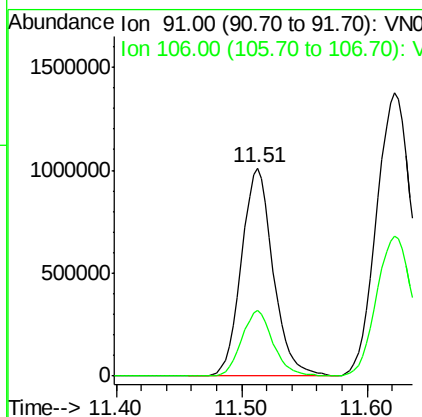
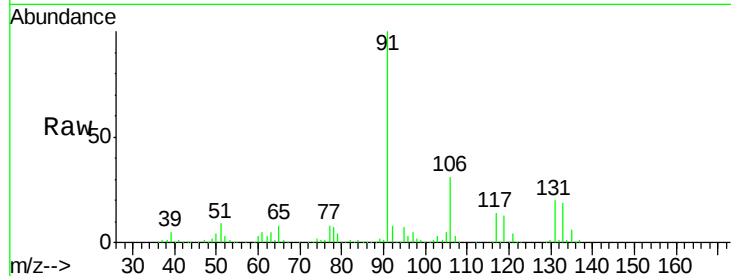
#67  
Ethyl Benzene  
Concen: 50.660 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN013019

Tgt Ion: 91 Resp: 1784627  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.0 37.6

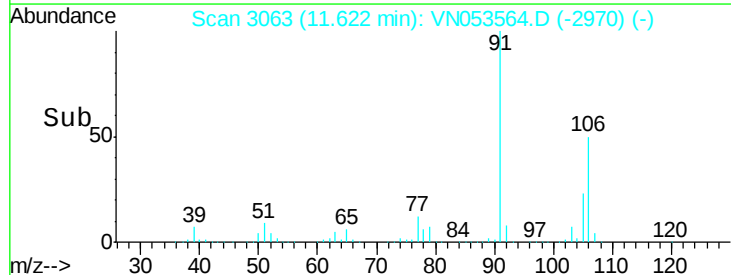
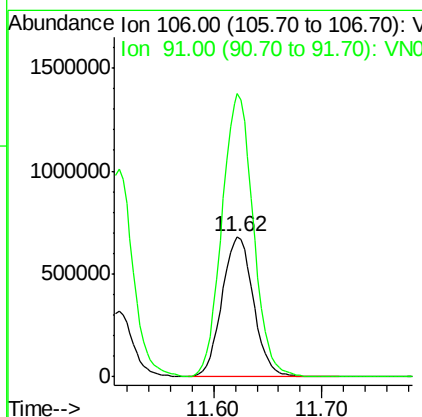
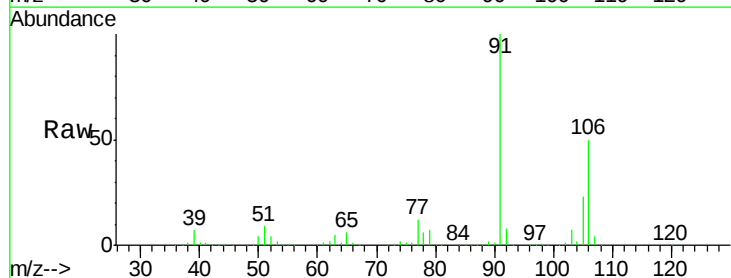
Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#68  
m/p-Xylenes  
Concen: 102.906 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion: 106 Resp: 1383570  
Ion Ratio Lower Upper  
106 100  
91 200.7 161.4 242.2





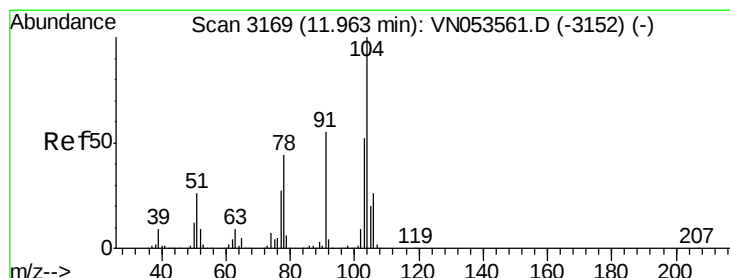
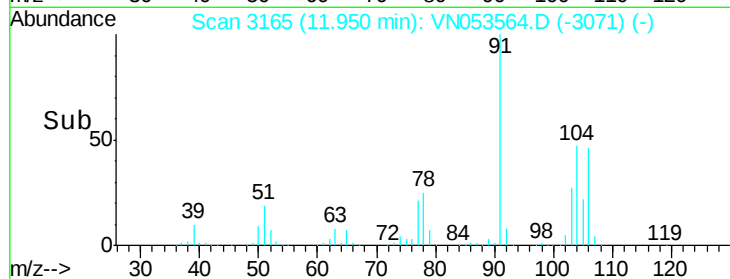
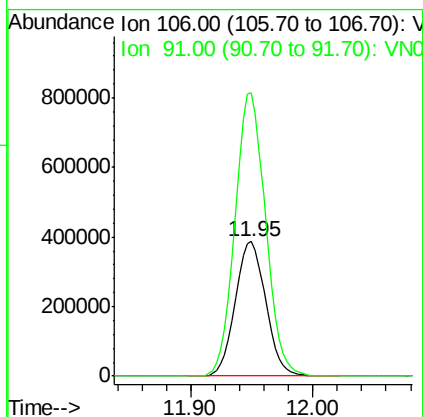
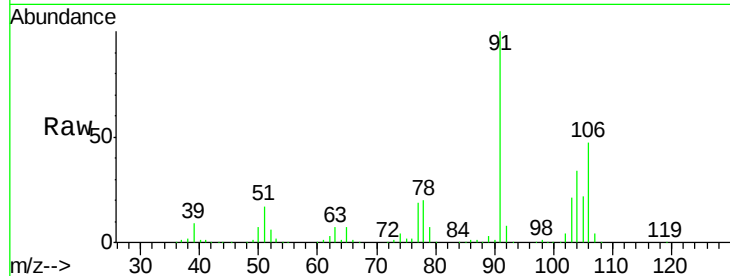
#69  
o-Xylene  
Concen: 51.569 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampled :  
ICVVN013019

Tgt Ion:106 Resp: 669832  
Ion Ratio Lower Upper  
106 100  
91 210.5 106.9 320.8

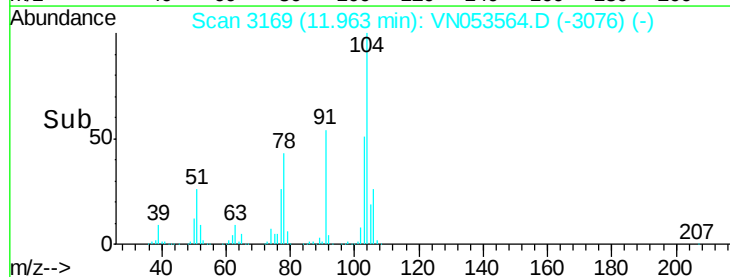
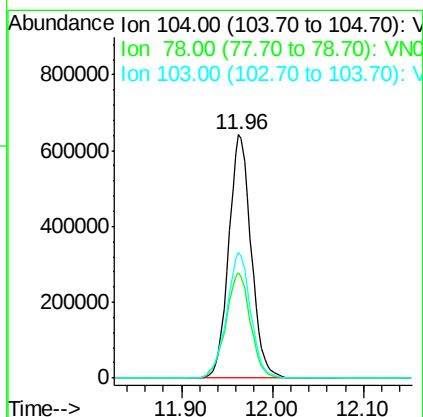
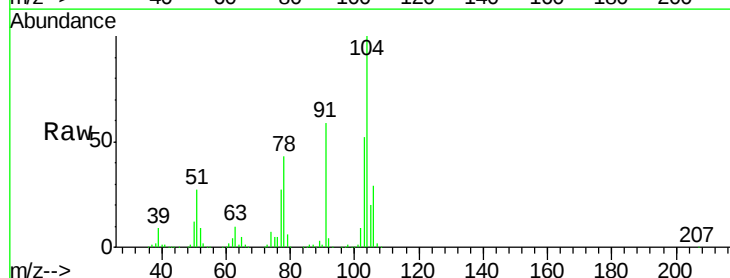
Manual Integrations  
APPROVED

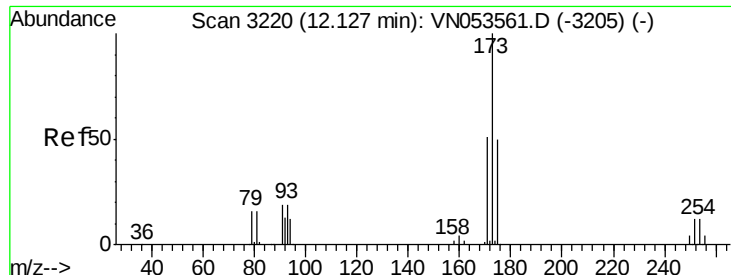
MMDadoda  
2/1/2019 9:18:44 AM



#70  
Styrene  
Concen: 52.228 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion:104 Resp: 1099562  
Ion Ratio Lower Upper  
104 100  
78 47.3 38.2 57.2  
103 55.0 44.4 66.6





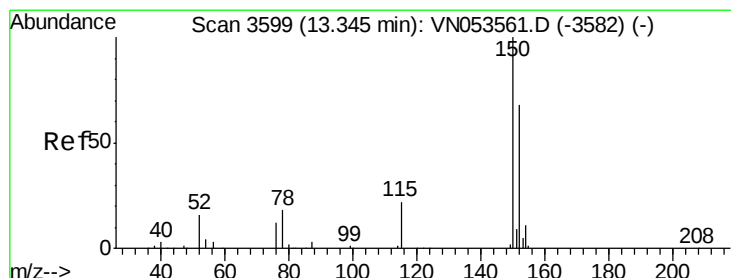
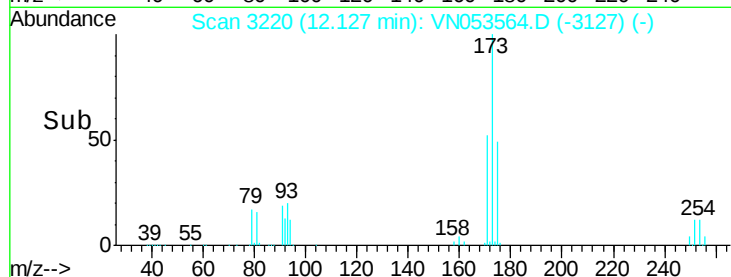
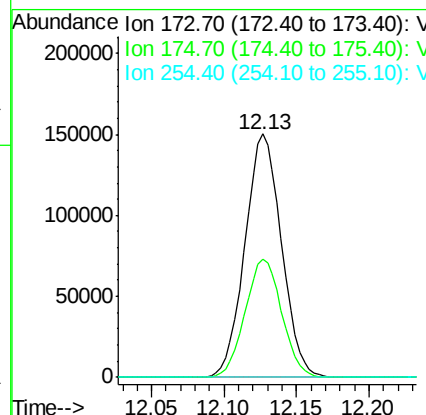
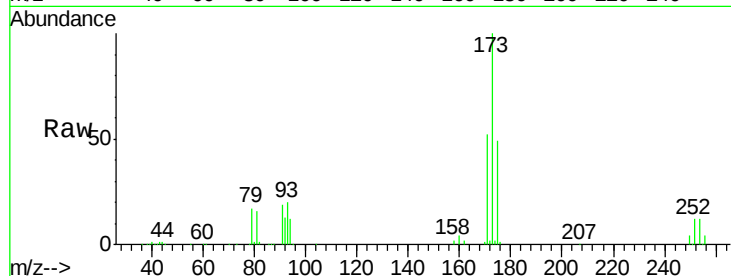
#71  
Bromoform  
Concen: 51.241 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 24.6  | 74.0  |
| 254     | 0.1   | 0.2   | 0.2   |

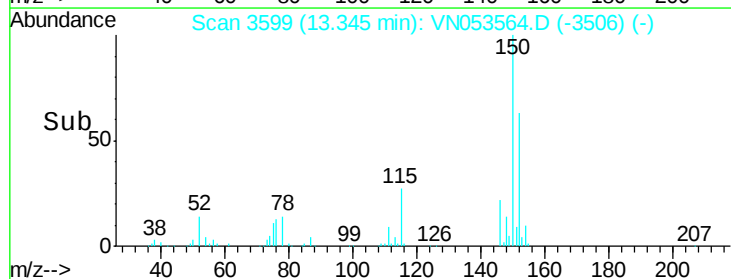
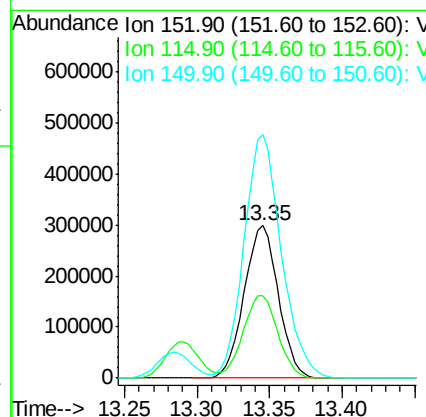
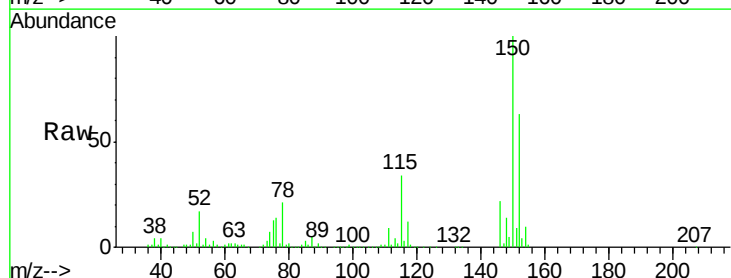
Manual Integrations  
APPROVED

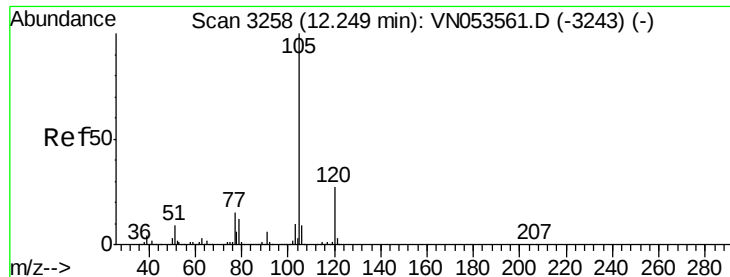
MMDadoda  
2/1/2019 9:18:44 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.4  | 27.8  | 83.4  |
| 150     | 175.0 | 0.0   | 349.0 |





#73

Isopropylbenzene

Concen: 50.450 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampled :

ICVVN013019

Tgt Ion: 105 Resp: 1735451

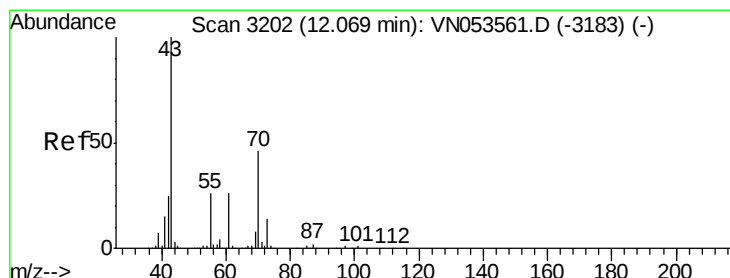
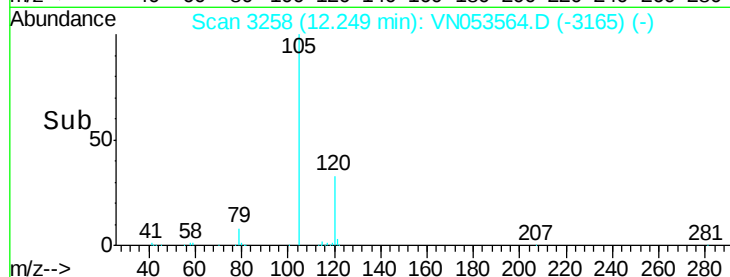
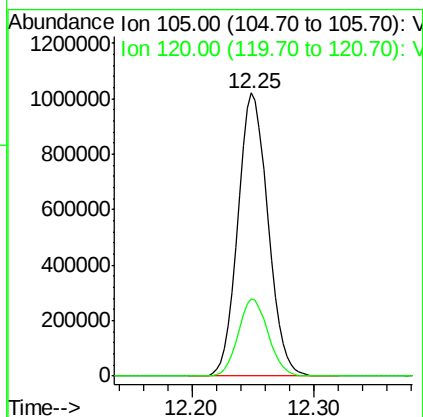
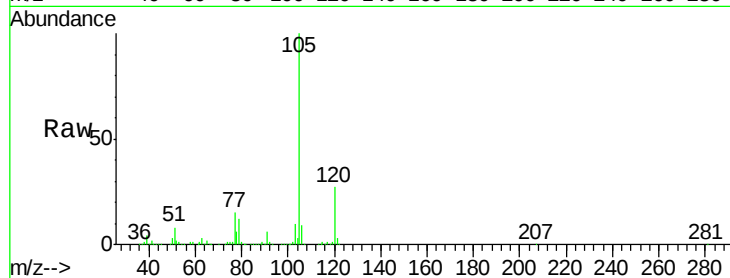
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#74

N-ethyl acetate

Concen: 50.920 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Tgt Ion: 43 Resp: 421211

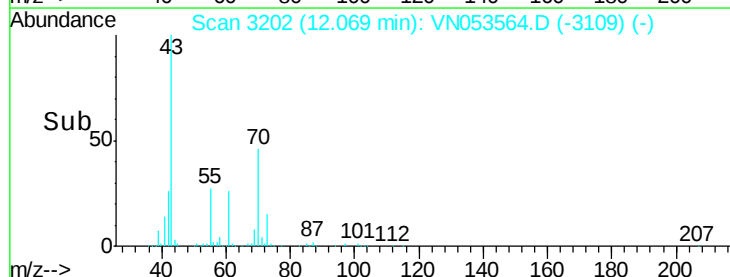
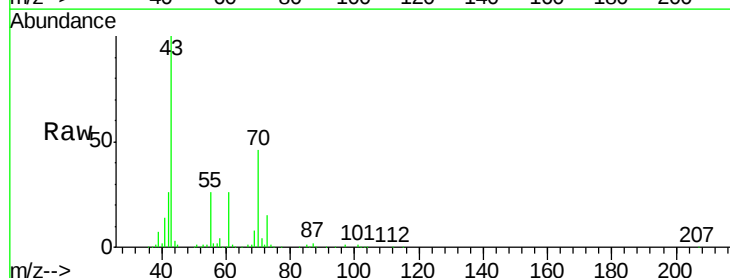
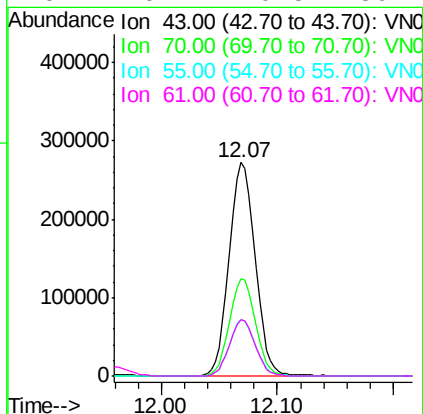
Ion Ratio Lower Upper

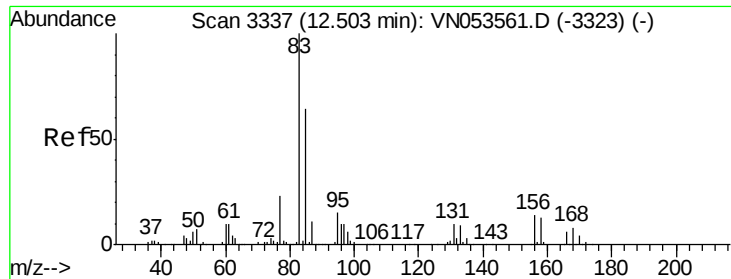
43 100

70 45.4 35.4 53.2

55 26.2 20.9 31.3

61 26.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.629 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

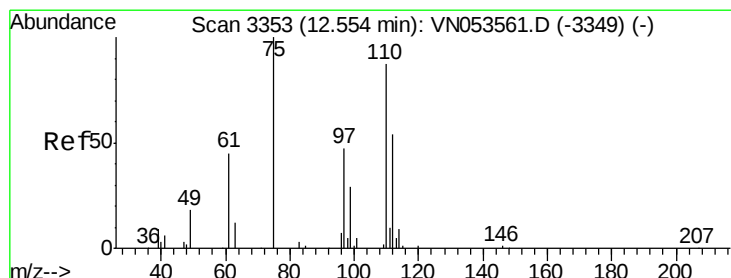
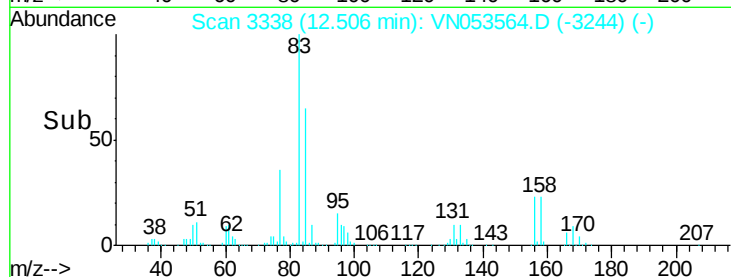
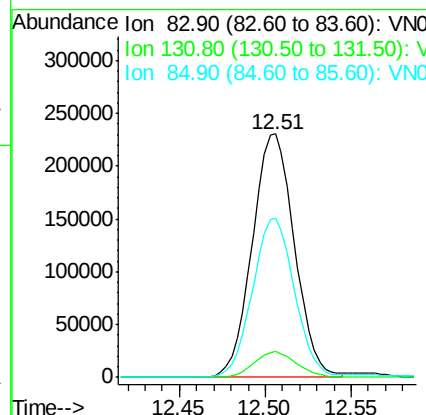
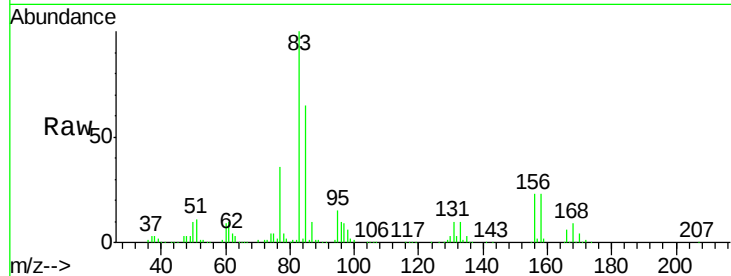
ClientSampleId :

ICVVN013019

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 392112 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.3   | 15.8   |
| 85        | 65.1  | 32.1  | 96.3   |

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#76

1,2,3-Trichloropropane

Concen: 51.734 ug/l m

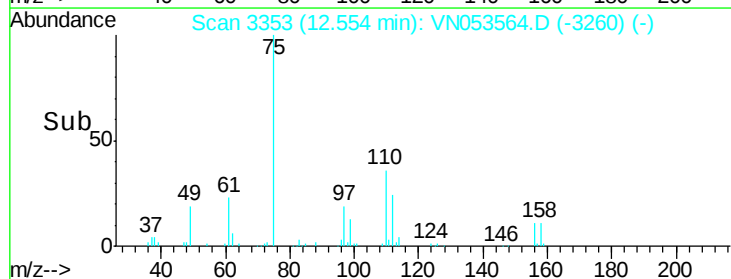
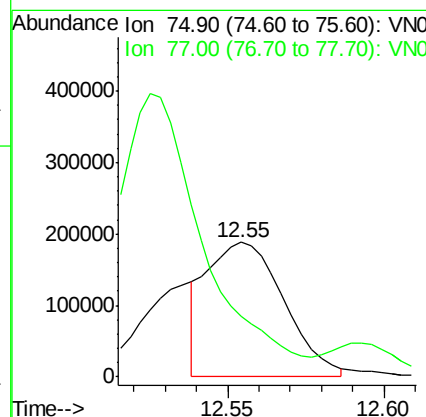
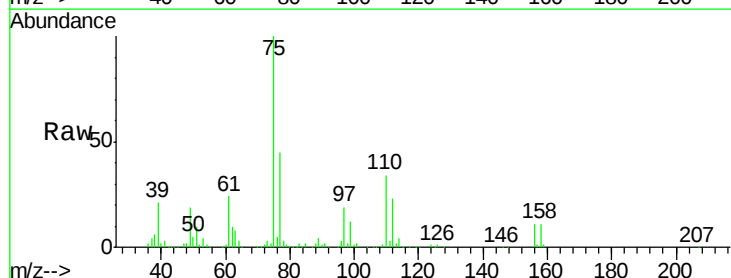
RT: 12.55 min Scan# 3353

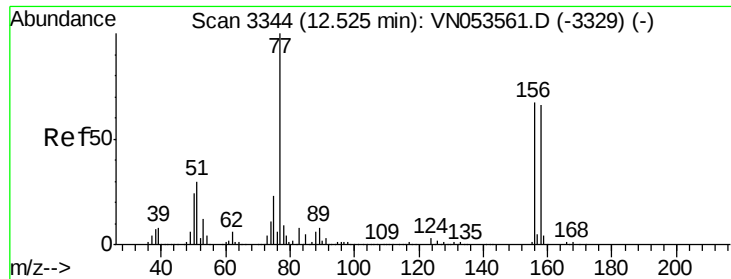
Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 325161 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 49.655 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

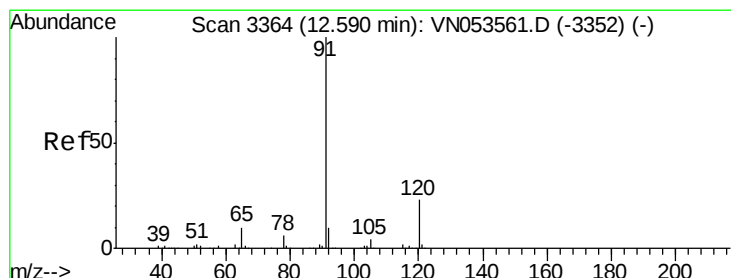
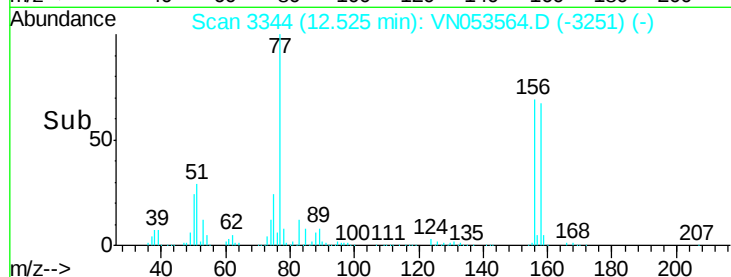
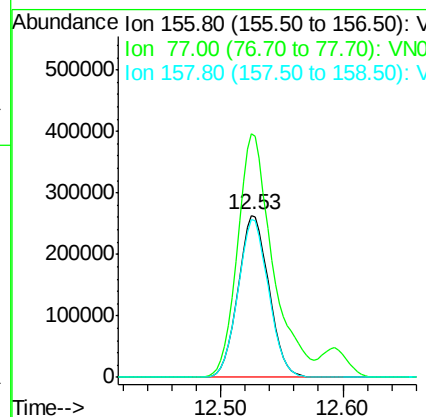
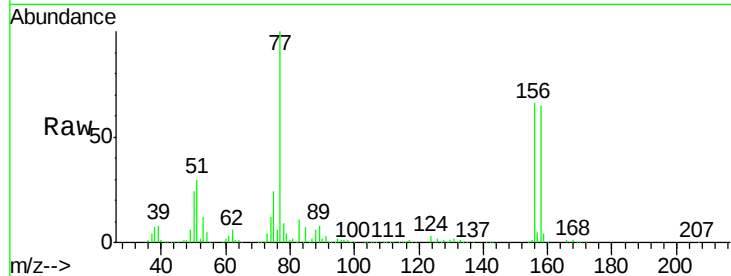
ClientSampled :

ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 172.3 | 87.9  | 263.8 |
| 158     | 96.9  | 48.8  | 146.4 |

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#78

n-propylbenzene

Concen: 51.498 ug/l

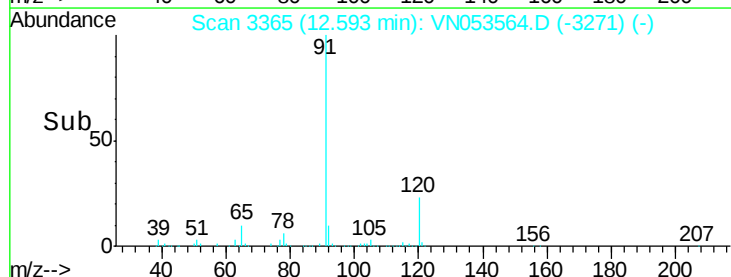
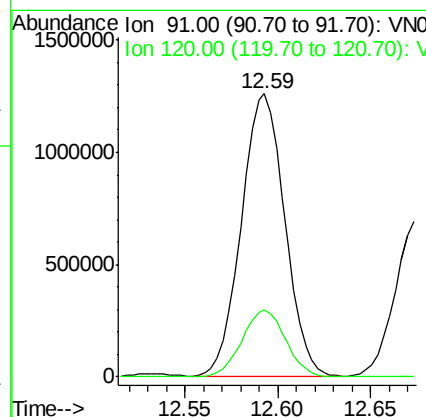
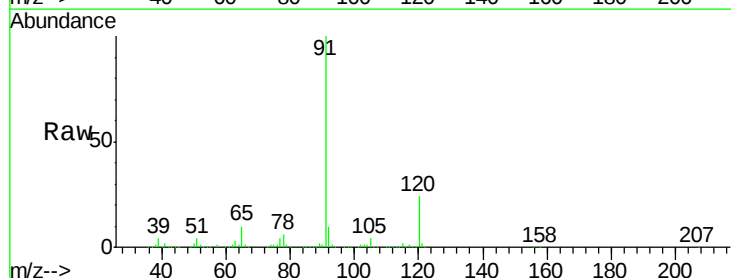
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.8  | 11.9  | 35.5  |





#79

2-Chlorotoluene

Concen: 50.326 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampled :

ICVVN013019

Tgt Ion: 91 Resp: 1187324

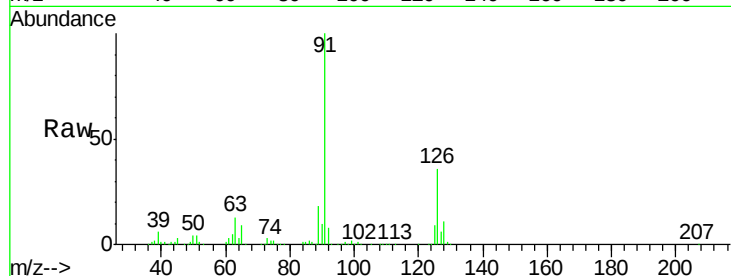
Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7

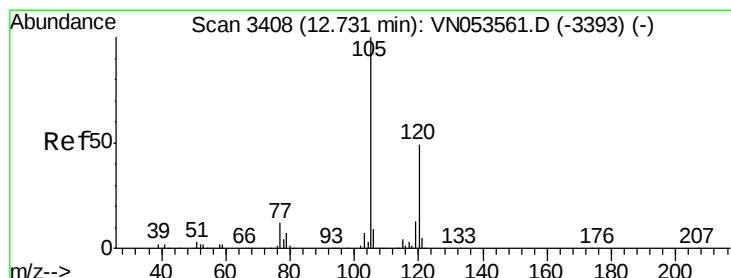
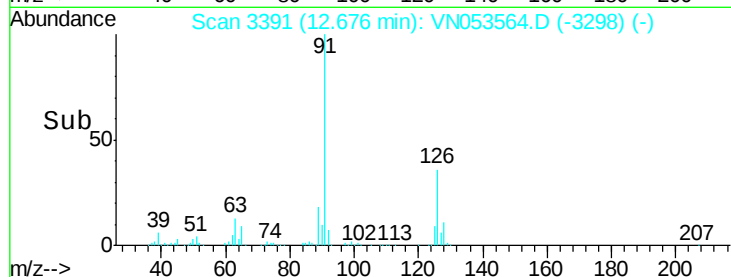
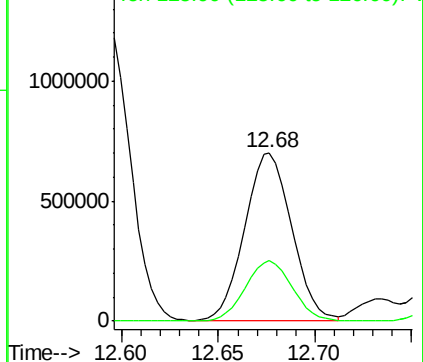
Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.212 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053564.D

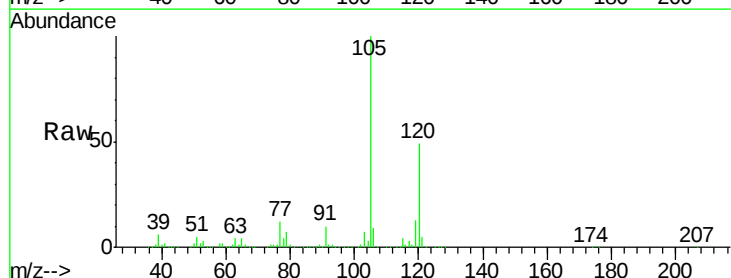
Acq: 30 Jan 2019 11:42

Tgt Ion: 105 Resp: 1489384

Ion Ratio Lower Upper

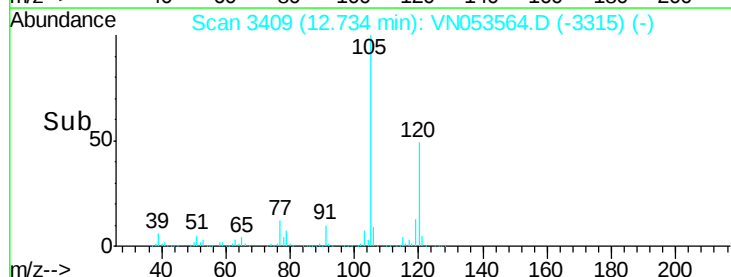
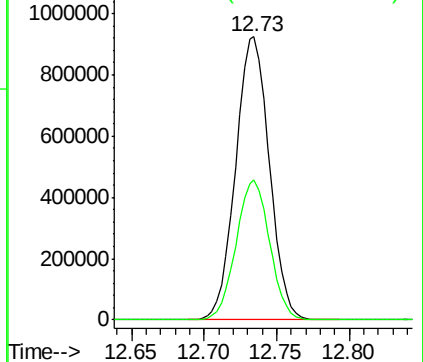
105 100

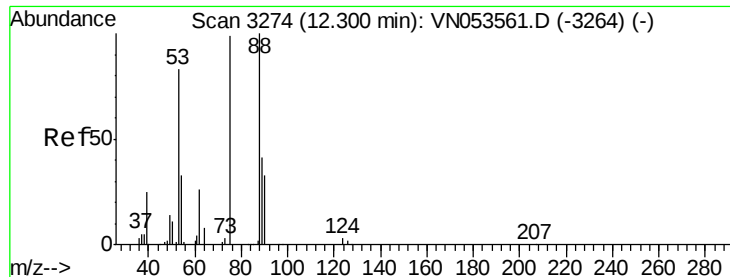
120 49.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)





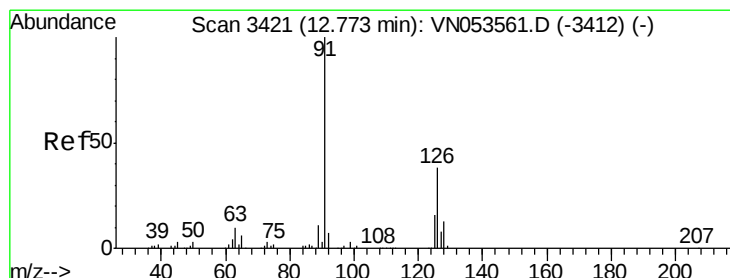
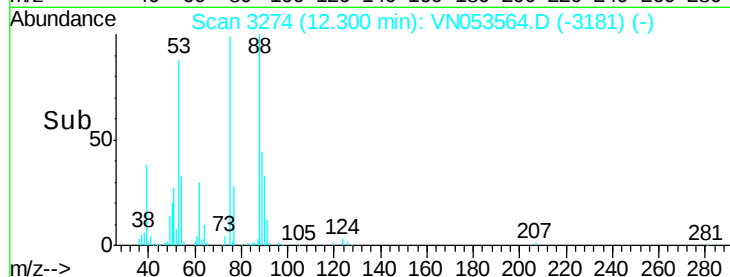
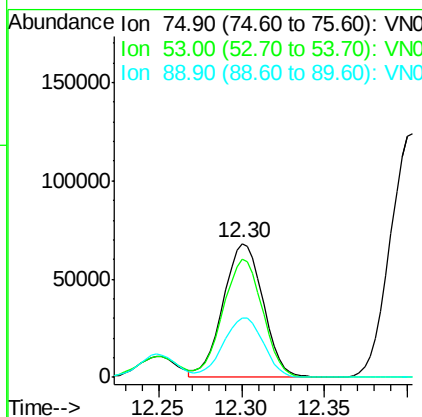
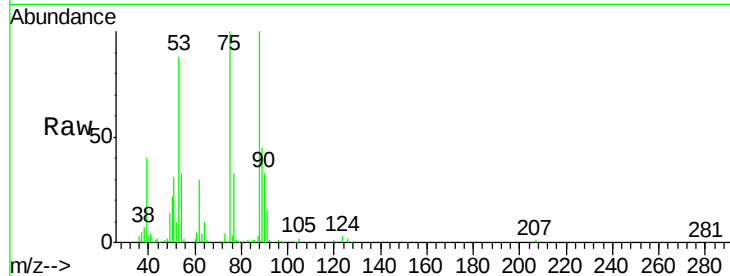
#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.366 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 87.2  | 69.8  | 104.6 |
| 89      | 44.4  | 35.6  | 53.4  |

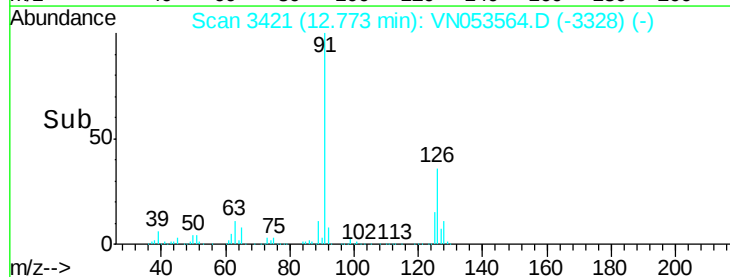
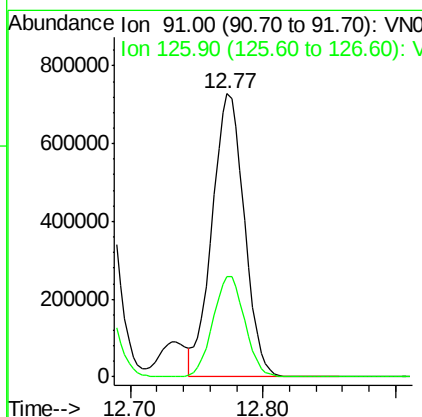
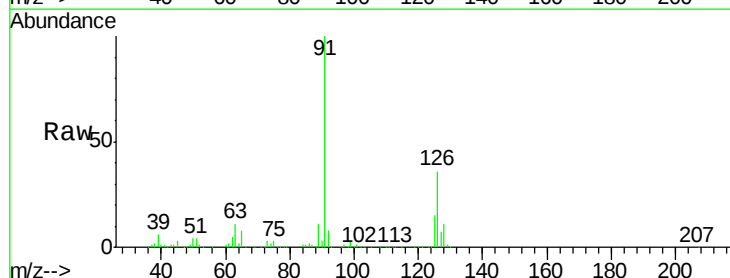
Manual Integrations  
APPROVED

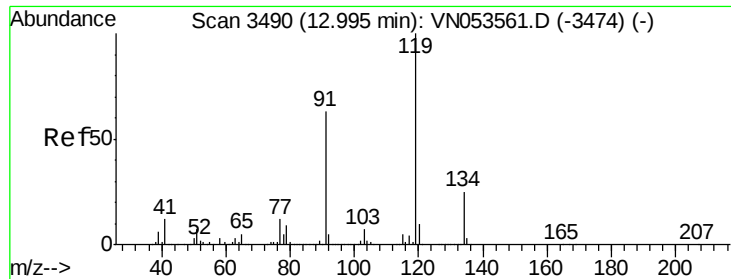
MMDadoda  
2/1/2019 9:18:44 AM



#82  
4-Chlorotoluene  
Concen: 50.623 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.1  | 17.6  | 52.9  |





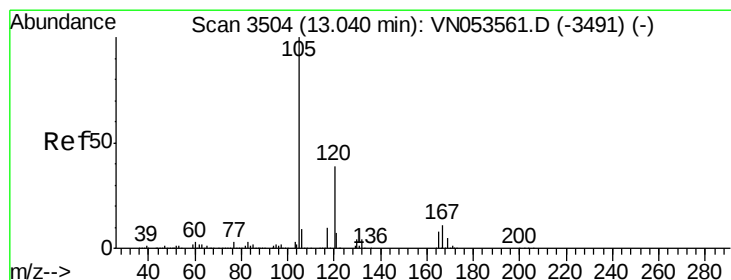
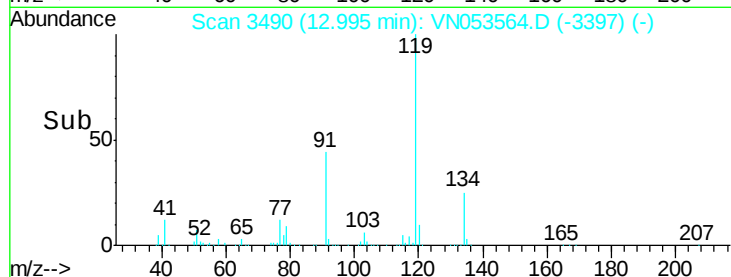
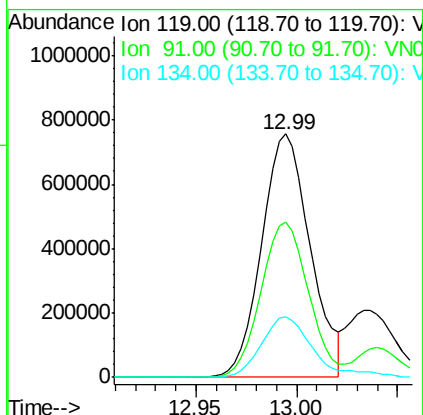
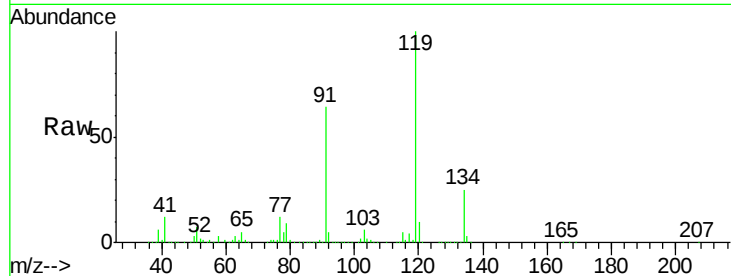
#83  
 tert-Butylbenzene  
 Concen: 50.308 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.6  | 31.3  | 93.8  |
| 134     | 26.4  | 12.9  | 38.7  |

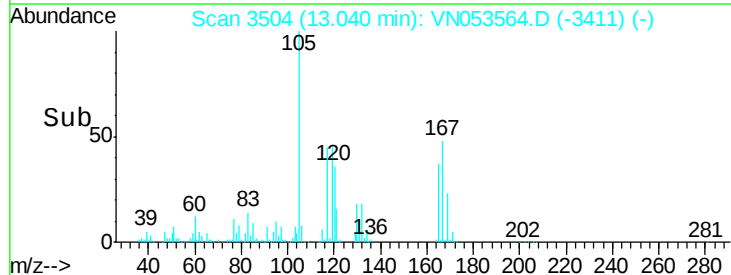
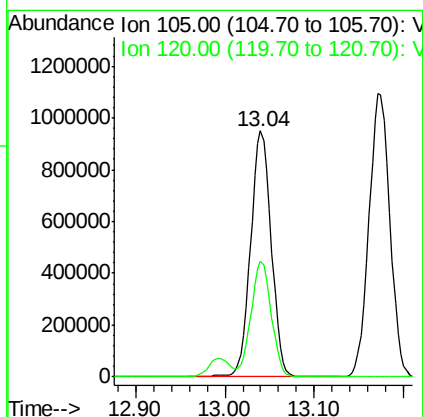
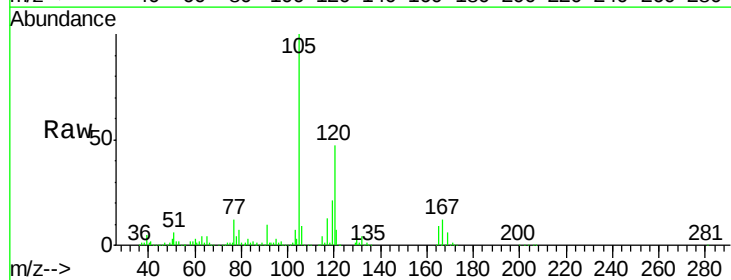
Manual Integrations  
 APPROVED

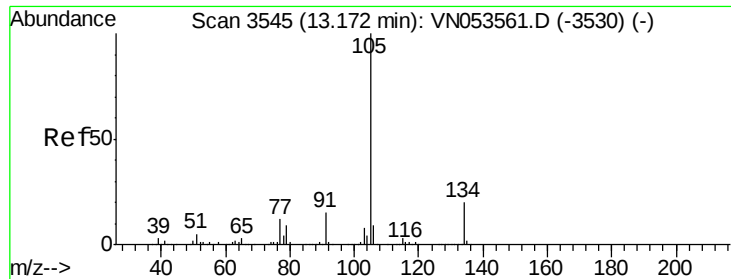
MMDadoda  
 2/1/2019 9:18:44 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.349 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.4  | 23.0  | 69.0  |





#85

sec-Butylbenzene

Concen: 51.658 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

Instrument :

MSVOA\_N

ClientSampleId :

ICVVN013019

Tgt Ion:105 Resp: 1772293

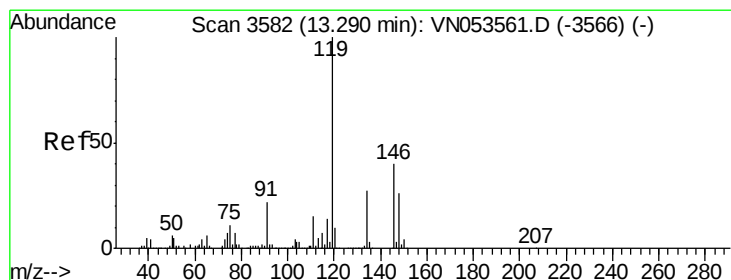
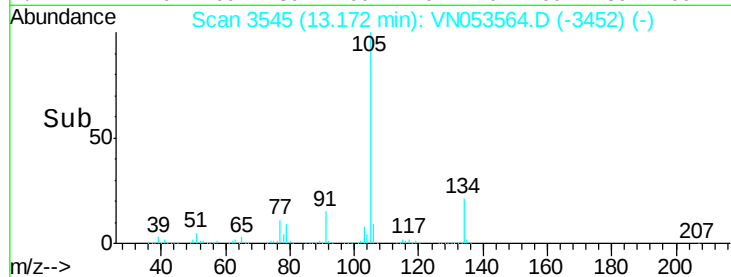
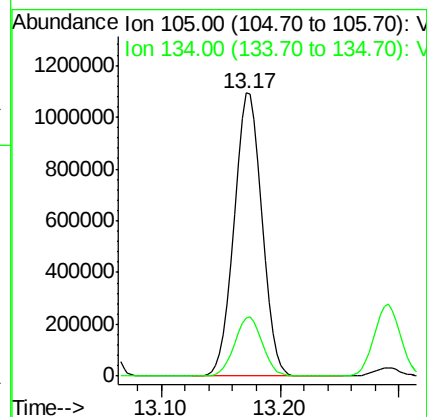
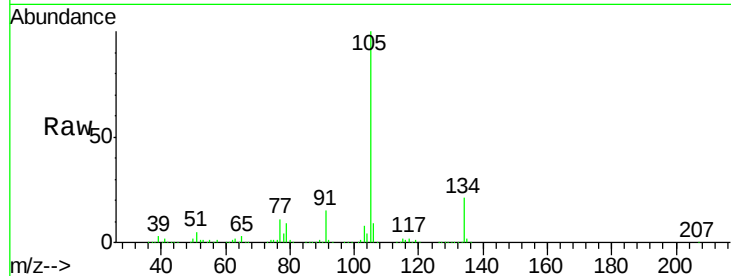
Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#86

p-Isopropyltoluene

Concen: 53.108 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053564.D

Acq: 30 Jan 2019 11:42

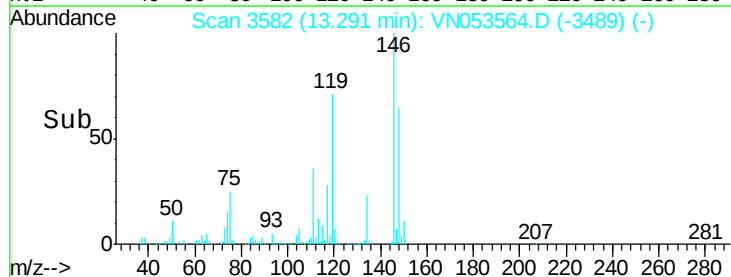
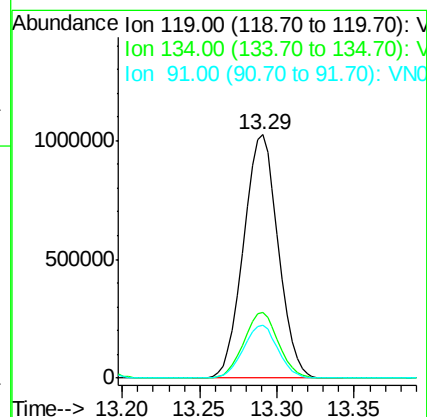
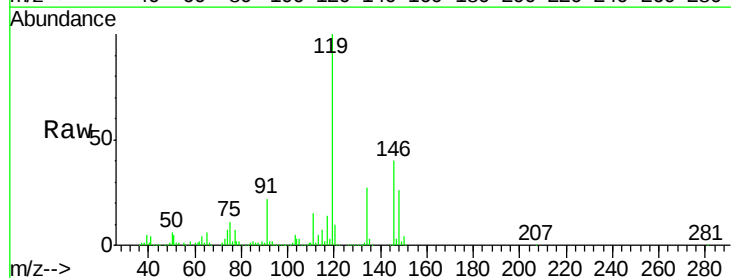
Tgt Ion:119 Resp: 1593534

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.6 11.0 33.0





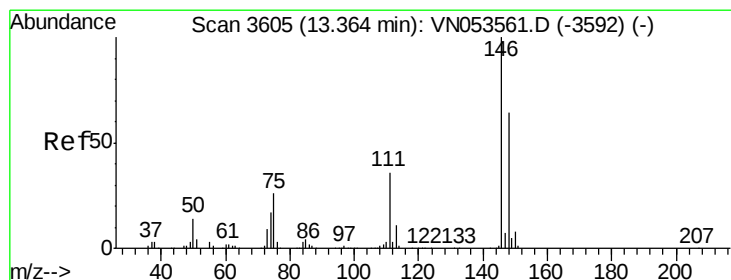
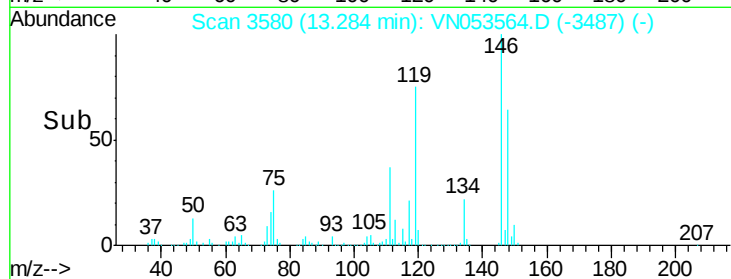
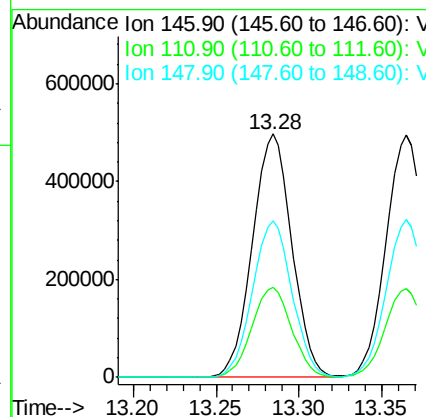
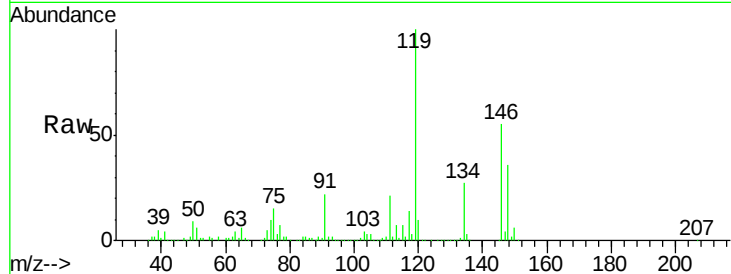
#87  
 1,3-Dichlorobenzene  
 Concen: 49.361 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.8  | 56.3  |
| 148     | 64.2  | 32.0  | 96.2  |

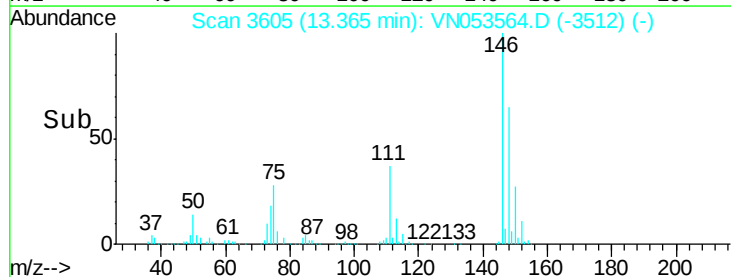
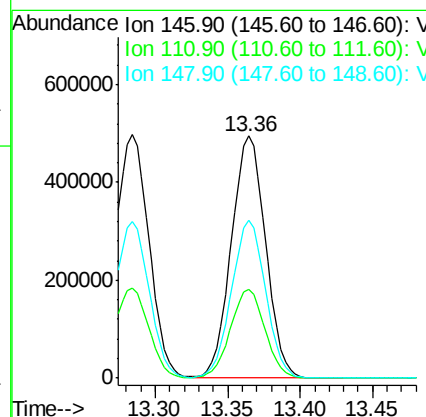
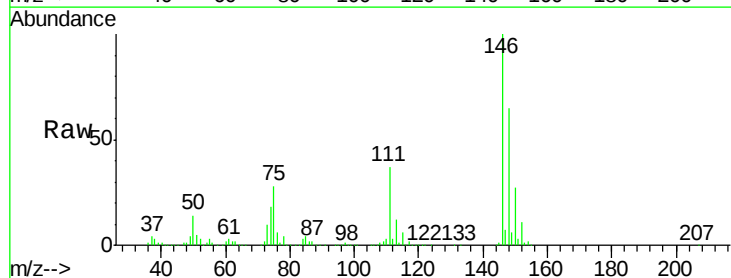
Manual Integrations  
 APPROVED

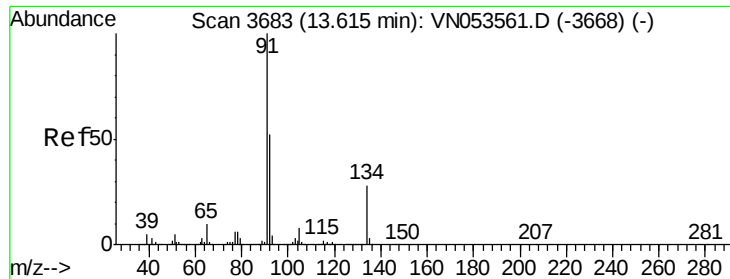
MMDadoda  
 2/1/2019 9:18:44 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 49.215 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.8  | 18.6  | 55.8  |
| 148     | 64.8  | 32.4  | 97.0  |





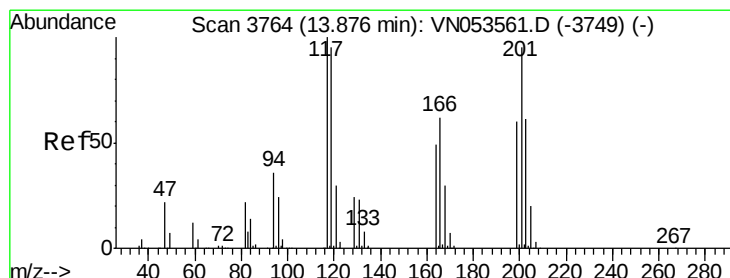
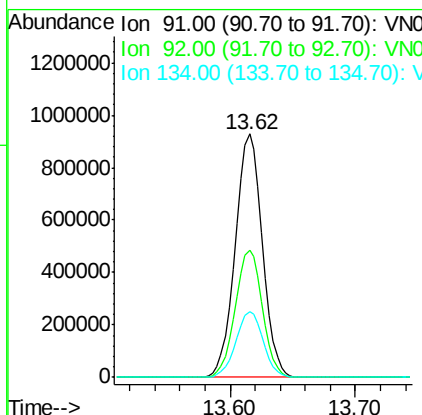
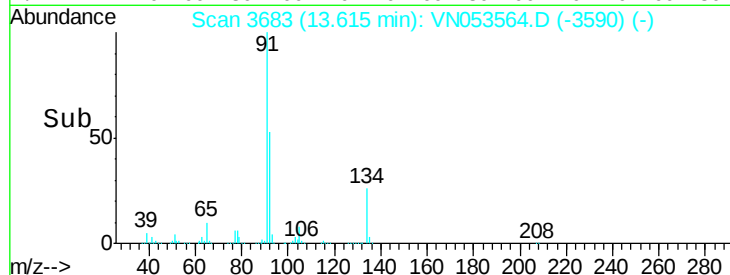
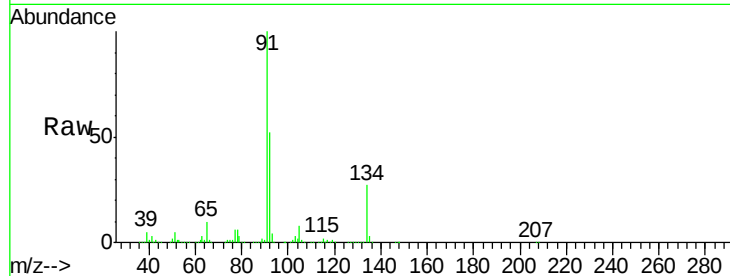
#89  
n-Butylbenzene  
Concen: 53.445 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

Tgt Ion: 91 Resp: 1388055  
Ion Ratio Lower Upper  
91 100  
92 52.5 26.3 78.8  
134 27.2 13.5 40.5

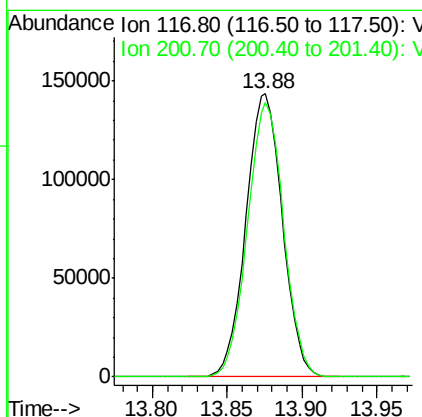
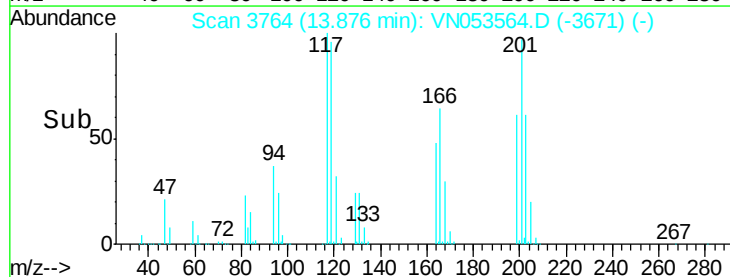
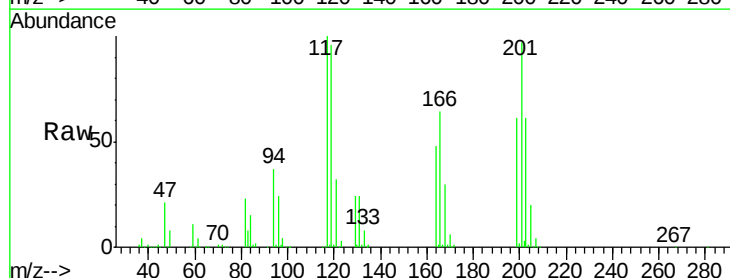
Manual Integrations  
APPROVED

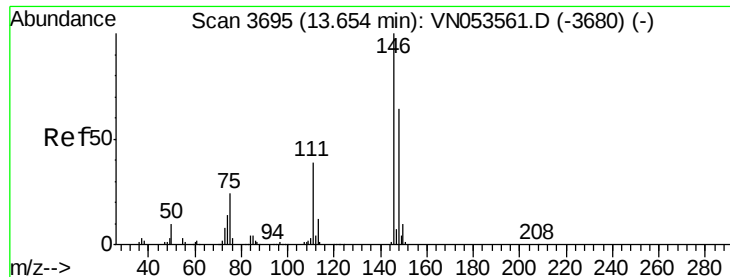
MMDadoda  
2/1/2019 9:18:44 AM



#90  
Hexachloroethane  
Concen: 49.227 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Tgt Ion: 117 Resp: 243638  
Ion Ratio Lower Upper  
117 100  
201 96.0 46.8 140.4





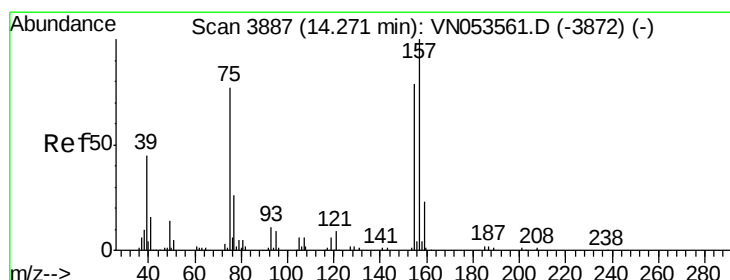
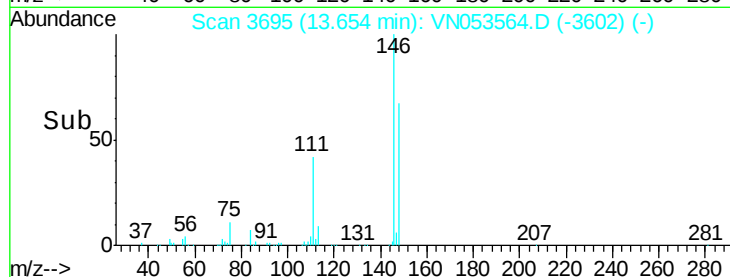
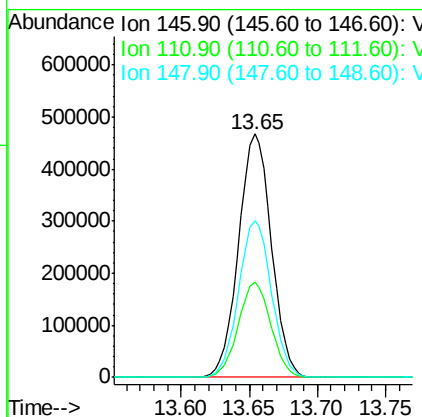
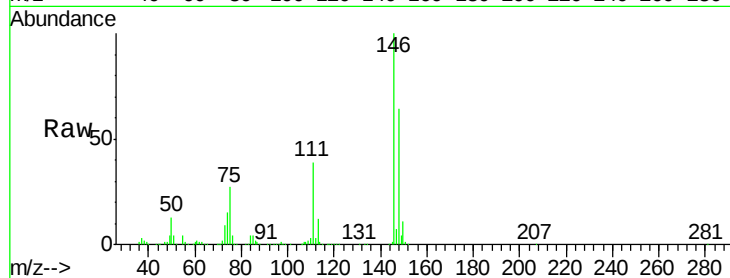
#91  
 1,2-Dichlorobenzene  
 Concen: 48.962 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 781186 |       |       |
| 111     | 38.8  | 19.5   | 58.5  |       |
| 148     | 64.3  | 31.9   | 95.9  |       |

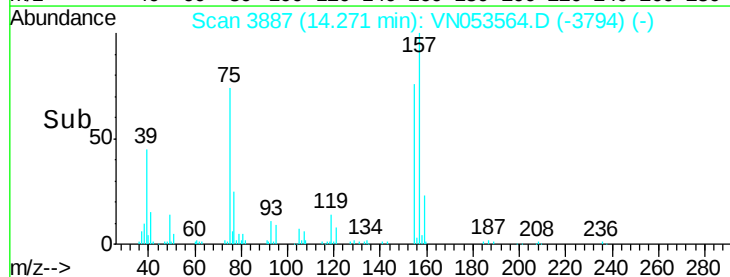
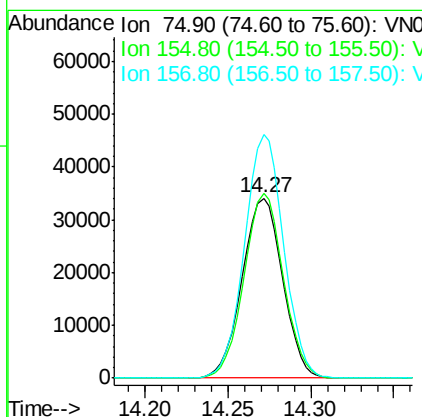
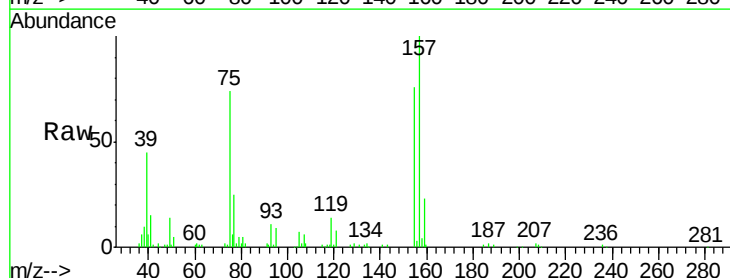
Manual Integrations  
 APPROVED

MMDadoda  
 2/1/2019 9:18:44 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 49.416 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 57980 |       |       |
| 155     | 99.6  | 48.9  | 146.7 |       |
| 157     | 130.6 | 63.7  | 191.3 |       |





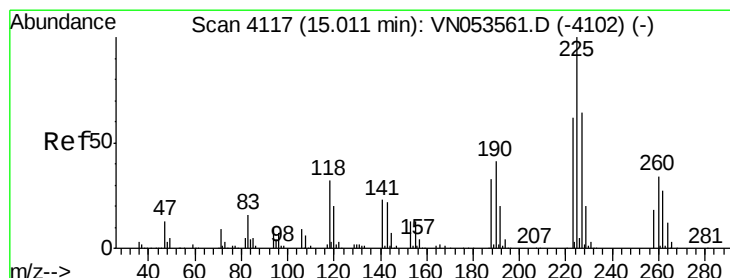
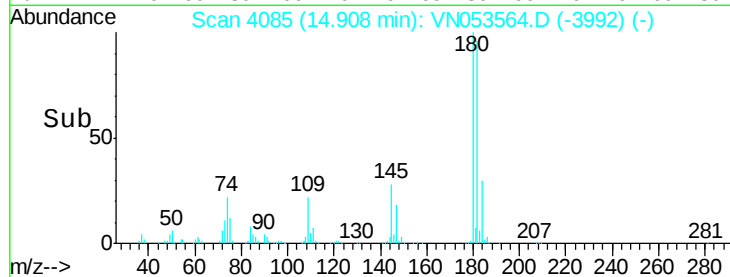
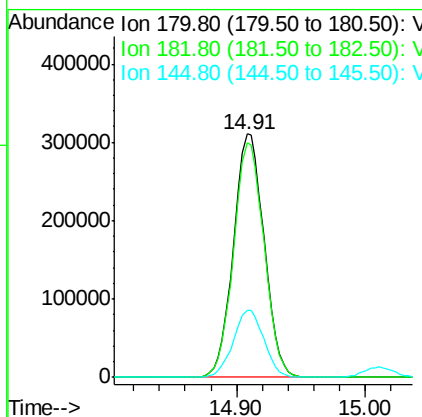
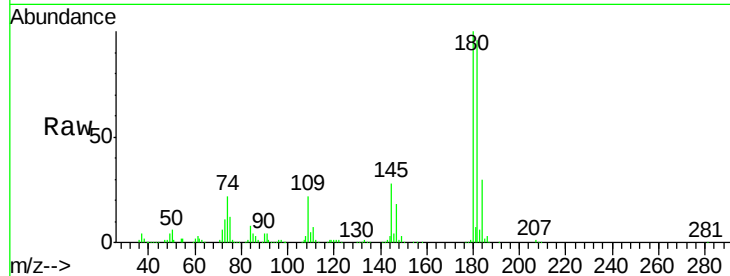
#93  
 1,2,4-Trichlorobenzene  
 Concen: 55.884 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN013019

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 511383 |       |       |
| 182     | 96.2  | 48.1   | 144.3 |       |
| 145     | 27.6  | 13.9   | 41.6  |       |

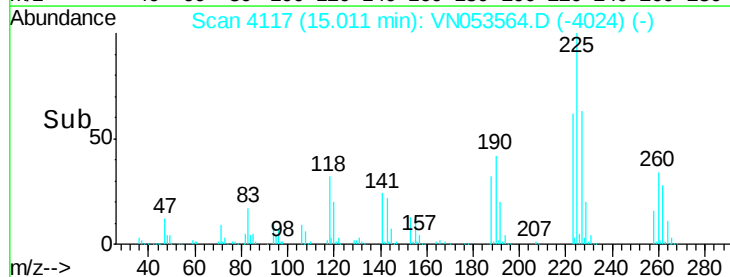
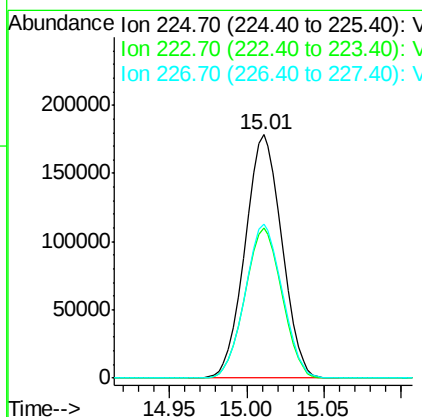
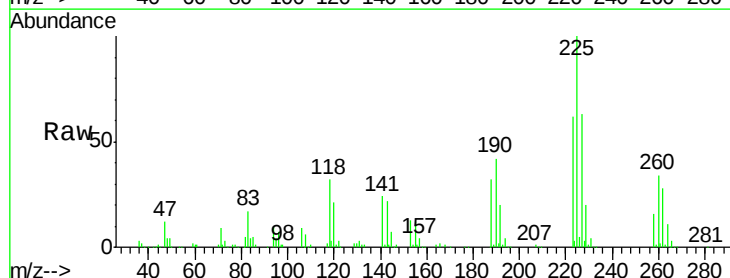
Manual Integrations  
 APPROVED

MMDadoda  
 2/1/2019 9:18:44 AM



#94  
 Hexachlorobutadiene  
 Concen: 51.903 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053564.D  
 Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 295782 |       |       |
| 223     | 62.0  | 31.1   | 93.2  |       |
| 227     | 64.0  | 32.0   | 96.2  |       |





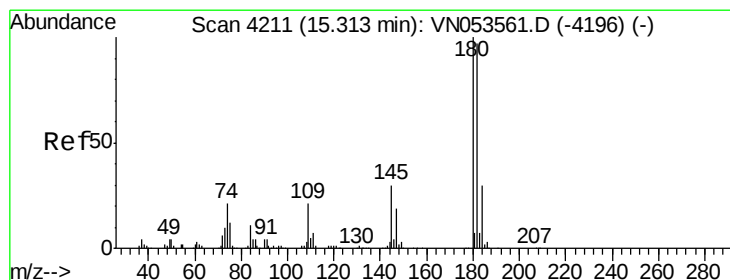
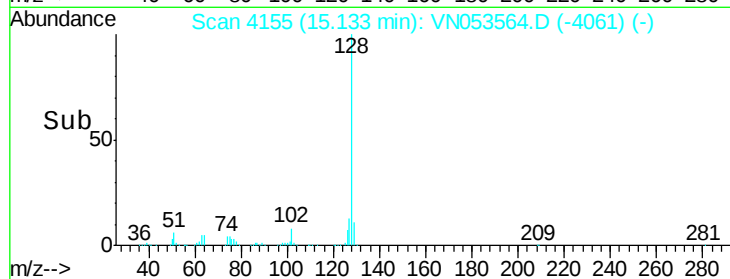
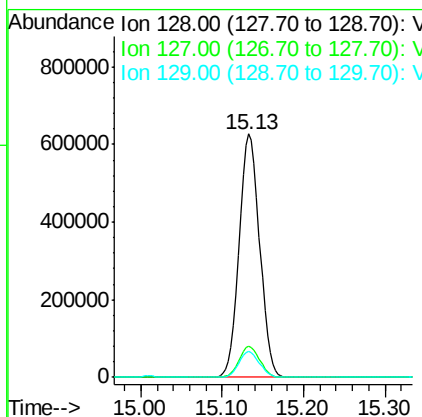
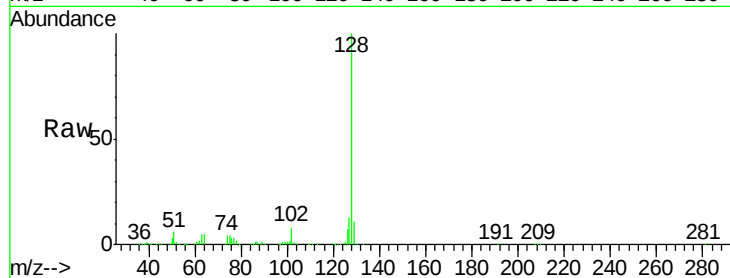
#95  
Naphthalene  
Concen: 50.714 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN013019

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.3  | 15.5  |
| 129     | 10.8  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

MMDadoda  
2/1/2019 9:18:44 AM



#96  
1,2,3-Trichlorobenzene  
Concen: 55.566 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN053564.D  
Acq: 30 Jan 2019 11:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.1  | 47.9  | 143.8 |
| 145     | 29.6  | 14.7  | 44.1  |

