

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN083019\  
 Data File : VN057586.D  
 Acq On : 30 Aug 2019 13:53  
 Operator : JC/SP  
 Sample : VN0830WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2019 10:01:08 AM

Quant Time: Aug 31 00:25:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N083019W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Aug 31 00:00:09 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.18  | 128  | 84029    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.58  | 114  | 501081   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.41 | 117  | 436023   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 8.02   | 65    | 204555   | 31.59    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 105.30% |
| 60) 4-Bromofluorobenzene  | 12.40  | 95    | 187292   | 28.25    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 94.17%  |
| 63) Toluene-d8            | 10.09  | 98    | 612841   | 30.35    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 101.17% |

## Target Compounds

|                               |      |     |        |                | Qvalue |
|-------------------------------|------|-----|--------|----------------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 91149  | 20.395 ug/l    | 94     |
| 3) Chloromethane              | 2.06 | 50  | 87230  | 22.060 ug/l    | 98     |
| 4) Vinyl Chloride             | 2.19 | 62  | 134018 | 21.845 ug/l    | 97     |
| 5) Bromomethane               | 2.56 | 94  | 123789 | 21.964 ug/l    | 99     |
| 6) Chloroethane               | 2.70 | 64  | 92757  | 22.337 ug/l    | 97     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 305043 | 22.503 ug/l    | 99     |
| 8) Diethyl Ether              | 3.40 | 74  | 98945  | 22.687 ug/l    | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 182705 | 22.518 ug/l    | 94     |
| 10) 1,1-Dichloroethene        | 3.72 | 96  | 168599 | 22.620 ug/l    | 97     |
| 11) Methyl Iodide             | 3.93 | 142 | 283674 | 22.016 ug/l    | 98     |
| 12) Methyl Acetate            | 4.32 | 43  | 87240  | 21.708 ug/l    | 94     |
| 13) Acrolein                  | 3.60 | 56  | 52453  | 102.424 ug/l   | 91     |
| 14) Acrylonitrile             | 4.97 | 53  | 168204 | 106.529 ug/l # | 88     |
| 15) Acetone                   | 3.81 | 58  | 82643  | 96.976 ug/l    | 96     |
| 16) Carbon Disulfide          | 4.03 | 76  | 156433 | 20.117 ug/l    | 96     |
| 17) Allyl chloride            | 4.30 | 41  | 110014 | 20.687 ug/l    | 93     |
| 18) Methylene Chloride        | 4.53 | 84  | 90726  | 21.187 ug/l    | 98     |
| 19) trans-1,2-Dichloroethene  | 5.02 | 96  | 90770  | 21.325 ug/l    | 95     |
| 20) Diisopropyl ether         | 5.94 | 45  | 271960 | 21.415 ug/l    | 98     |
| 21) 1,1-Dichloroethane        | 5.83 | 63  | 170583 | 21.274 ug/l    | 99     |
| 22) cis-1,2-Dichloroethene    | 6.81 | 96  | 115530 | 20.367 ug/l    | 98     |
| 23) tert-Butyl Alcohol        | 4.80 | 59  | 64146  | 109.546 ug/l # | 100    |
| 24) Methyl tert-Butyl Ether   | 5.04 | 73  | 291611 | 21.260 ug/l    | 98     |
| 25) Chloroform                | 7.36 | 83  | 203784 | 20.917 ug/l    | 99     |
| 26) Cyclohexane               | 7.64 | 56  | 140954 | 21.082 ug/l #  | 98     |
| 29) 1,1-Dichloropropene       | 7.78 | 75  | 134029 | 19.764 ug/l    | 99     |
| 30) 2-Butanone                | 6.83 | 43  | 227008 | 103.213 ug/l   | 99     |
| 31) 2,2-Dichloropropane       | 6.81 | 77  | 156344 | 19.272 ug/l    | 96     |
| 32) 1,1,1-Trichloroethane     | 7.55 | 97  | 177738 | 19.549 ug/l    | 98     |
| 33) Carbon Tetrachloride      | 7.76 | 117 | 149171 | 19.337 ug/l    | 97     |
| 34) Benzene                   | 8.03 | 78  | 411087 | 20.220 ug/l    | 99     |
| 35) Methacrylonitrile         | 7.16 | 41  | 39323  | 18.064 ug/l    | 94     |
| 36) 1,2-Dichloroethane        | 8.11 | 62  | 160504 | 21.398 ug/l    | 99     |
| 37) Trichloroethene           | 8.82 | 130 | 113367 | 19.253 ug/l    | 91     |
| 38) Methylcyclohexane         | 9.07 | 83  | 163247 | 19.764 ug/l    | 98     |
| 39) 1,2-Dichloropropane       | 9.11 | 63  | 105337 | 21.174 ug/l    | 99     |
| 40) Dibromomethane            | 9.20 | 93  | 76985  | 20.100 ug/l    | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN083019\  
 Data File : VN057586.D  
 Acq On : 30 Aug 2019 13:53  
 Operator : JC/SP  
 Sample : VN0830WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2019 10:01:08 AM

Quant Time: Aug 31 00:25:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N083019W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Aug 31 00:00:09 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 41) Bromodichloromethane       | 9.40  | 83   | 155567   | 19.825  | ug/l   | 96       |
| 42) Vinyl Acetate              | 5.88  | 43   | 1074853  | 109.997 | ug/l   | 100      |
| 43) Ethyl Acetate              | 6.92  | 43   | 99770    | 23.520  | ug/l # | 87       |
| 44) Isopropyl Acetate          | 8.16  | 43   | 179631   | 21.169  | ug/l   | 99       |
| 45) 1,4-Dioxane                | 9.19  | 88   | 30321    | 415.004 | ug/l # | 90       |
| 46) Methyl methacrylate        | 9.19  | 41   | 83384    | 21.187  | ug/l   | 97       |
| 47) n-amyl Acetate             | 12.07 | 43   | 142365   | 20.266  | ug/l   | 100      |
| 48) t-1,3-Dichloropropene      | 10.38 | 75   | 142912   | 18.348  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene    | 9.83  | 75   | 164478   | 19.498  | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane      | 10.56 | 97   | 107454   | 19.657  | ug/l   | 96       |
| 51) Ethyl methacrylate         | 10.43 | 69   | 141836   | 19.935  | ug/l   | 96       |
| 52) 1,3-Dichloropropane        | 10.71 | 76   | 171863   | 20.177  | ug/l   | 97       |
| 53) Dibromochloromethane       | 10.90 | 129  | 111720   | 18.152  | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 11.00 | 107  | 111898   | 19.749  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether  | 9.69  | 63   | 163607   | 93.685  | ug/l   | 98       |
| 56) Bromoform                  | 12.13 | 173  | 70450    | 17.504  | ug/l # | 95       |
| 58) 4-Methyl-2-Pentanone       | 9.98  | 43   | 524029   | 118.935 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 347623   | 111.586 | ug/l   | 98       |
| 61) Tetrachloroethene          | 10.63 | 164  | 114594   | 20.558  | ug/l   | 97       |
| 62) Toluene                    | 10.15 | 91   | 478131   | 21.626  | ug/l   | 99       |
| 64) Chlorobenzene              | 11.43 | 112  | 284634   | 19.992  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 110972   | 19.641  | ug/l   | 99       |
| 66) Ethyl Benzene              | 11.51 | 91   | 518616   | 21.804  | ug/l   | 99       |
| 67) m/p-Xylenes                | 11.62 | 106  | 386455   | 40.610  | ug/l   | 99       |
| 68) o-Xylene                   | 11.95 | 106  | 190361   | 19.910  | ug/l   | 97       |
| 69) Styrene                    | 11.96 | 104  | 301676   | 19.907  | ug/l   | 100      |
| 70) Isopropylbenzene           | 12.25 | 105  | 522023   | 21.781  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 134357   | 21.075  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane     | 12.55 | 75   | 119890m  | 22.153  | ug/l   |          |
| 73) Bromobenzene               | 12.53 | 156  | 119535   | 19.510  | ug/l   | 98       |
| 74) n-propylbenzene            | 12.59 | 91   | 541702   | 21.925  | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 12.67 | 91   | 323723   | 20.285  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 432972   | 21.347  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene    | 12.30 | 75   | 30725    | 17.925  | ug/l   | 97       |
| 78) 4-Chlorotoluene            | 12.78 | 91   | 301898   | 19.666  | ug/l   | 97       |
| 79) tert-butylbenzene          | 12.99 | 119  | 384179   | 20.725  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 411331   | 21.514  | ug/l   | 99       |
| 81) sec-Butylbenzene           | 13.17 | 105  | 485187   | 21.532  | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 13.29 | 119  | 420427   | 21.039  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 13.28 | 146  | 184520   | 18.619  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene        | 13.37 | 146  | 168844   | 17.764  | ug/l   | 97       |
| 85) n-Butylbenzene             | 13.62 | 91   | 297329   | 19.106  | ug/l   | 99       |
| 86) Hexachloroethane           | 13.88 | 117  | 70007    | 18.320  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene        | 13.66 | 146  | 180757   | 18.977  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 19368    | 20.231  | ug/l   | 94       |
| 89) 1,2,4-Trichlorobenzene     | 14.91 | 180  | 48362    | 13.779  | ug/l   | 97       |
| 90) Hexachlorobutadiene        | 15.01 | 225  | 58669    | 19.434  | ug/l   | 95       |
| 91) Naphthalene                | 15.13 | 128  | 149059   | 15.259  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 15.30 | 180  | 51246    | 14.738  | ug/l   | 95       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN083019\  
Data File : VN057586.D  
Acq On : 30 Aug 2019 13:53  
Operator : JC/SP  
Sample : VN0830WBSD01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM

Quant Time: Aug 31 00:25:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N083019W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Aug 31 00:00:09 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

-----

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

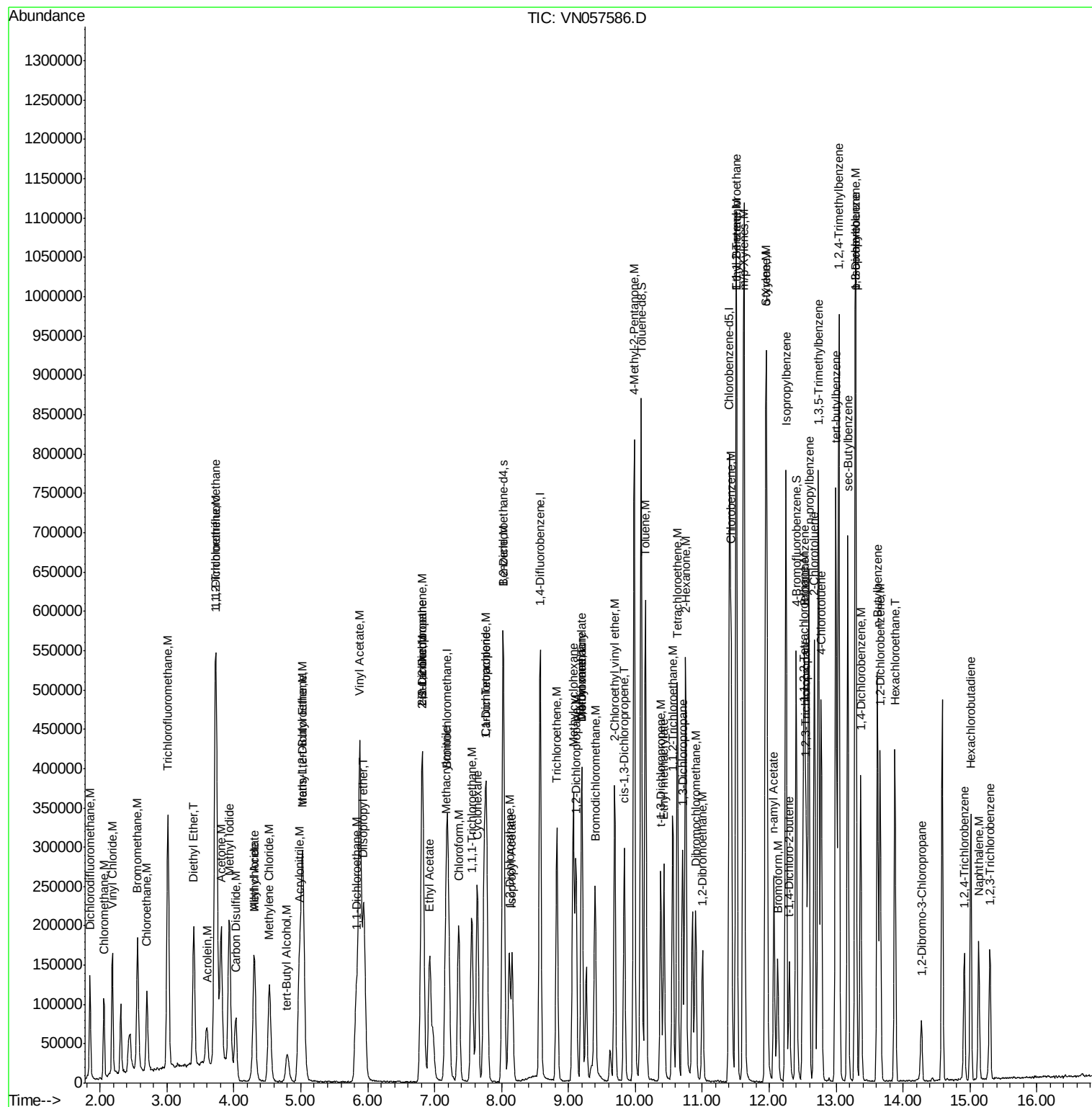
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN083019\  
Data File : VN057586.D  
Acq On : 30 Aug 2019 13:53  
Operator : JC/SP  
Sample : VN0830WBSD01  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 14 Sample Multiplier: 1

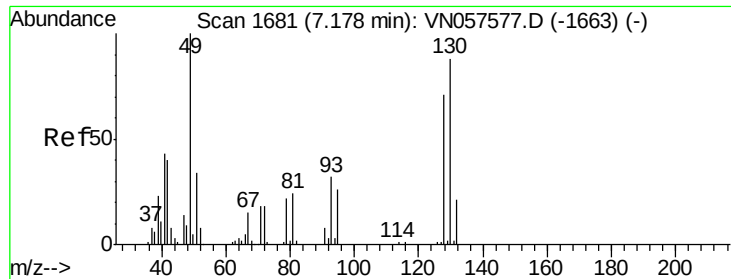
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM

Quant Time: Aug 31 00:25:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\624N083019W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Aug 31 00:00:09 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057586.D

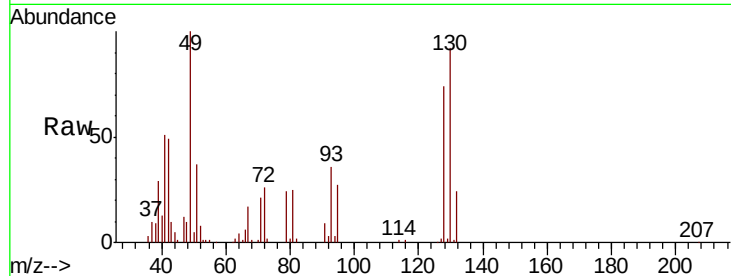
Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampleId :

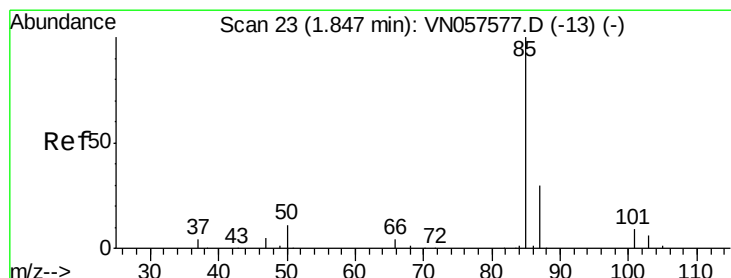
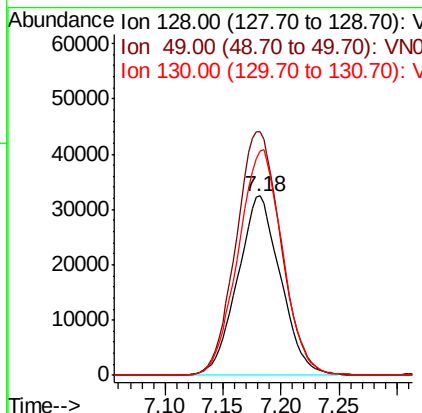
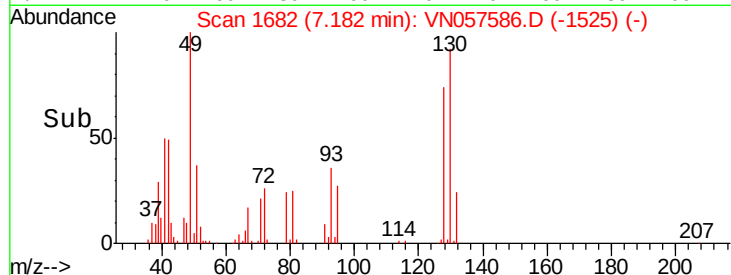
VN0830WBSD01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 84029 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 141.5 | 0.0   | 352.3 |
| 130      | 129.7 | 0.0   | 324.7 |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



#2

Dichlorodifluoromethane

Concen: 20.395 ug/l

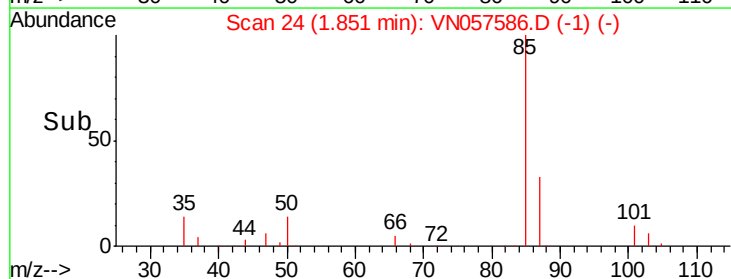
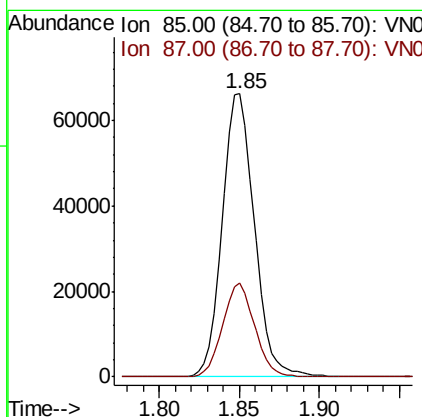
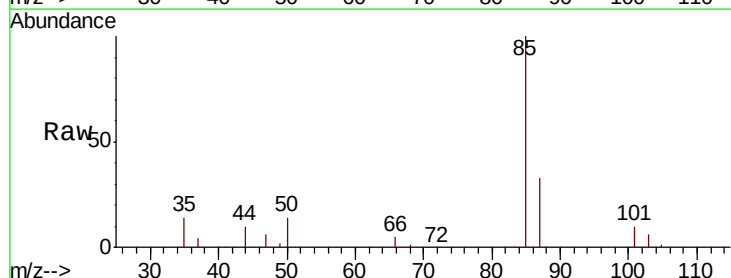
RT: 1.85 min Scan# 24

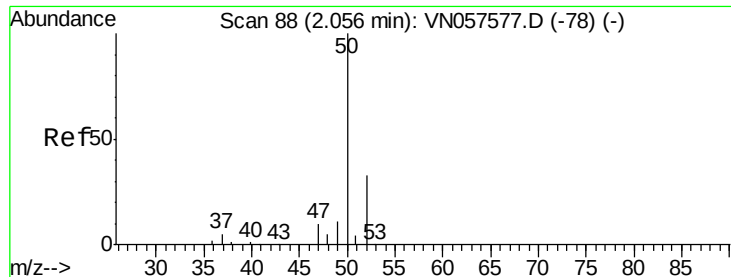
Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 91149 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 33.3  | 15.0  | 45.0  |





#3

Chloromethane

Concen: 22.060 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampled :

VN0830WBSD01

Tgt Ion: 50 Resp: 87230

Ion Ratio Lower Upper

50 100

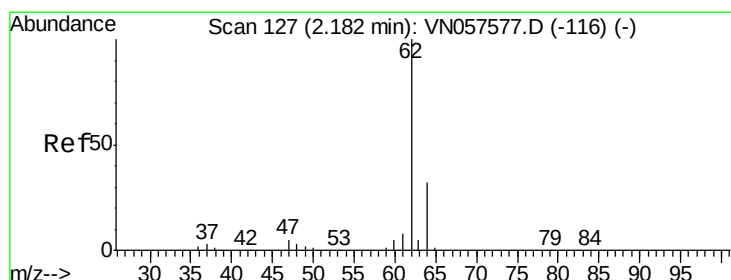
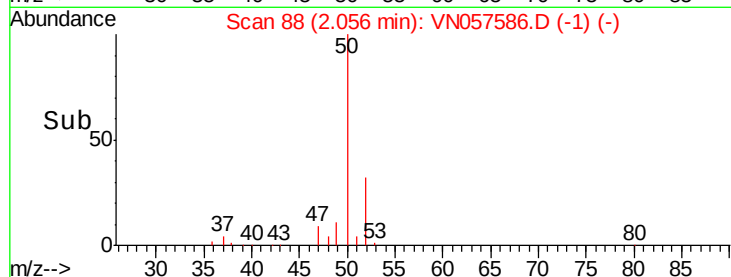
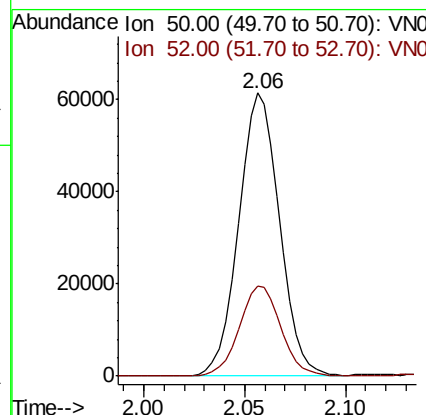
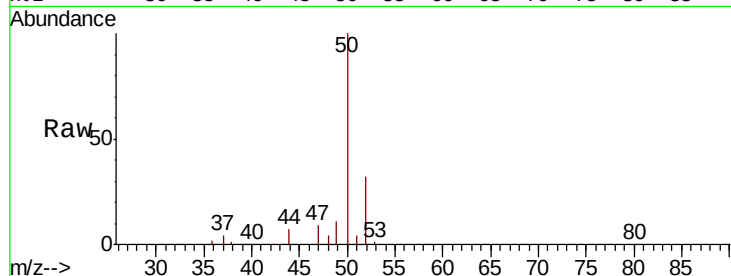
52 31.8 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

8/31/2019 10:01:08 AM



#4

Vinyl Chloride

Concen: 21.845 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057586.D

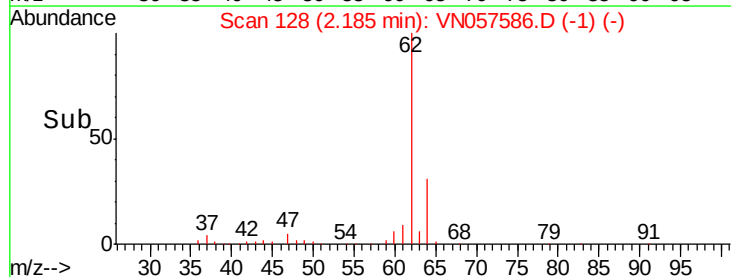
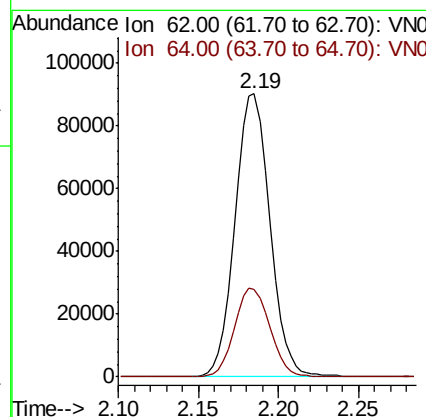
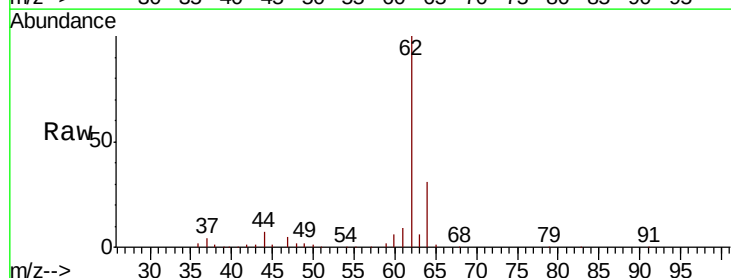
Acq: 30 Aug 2019 13:53

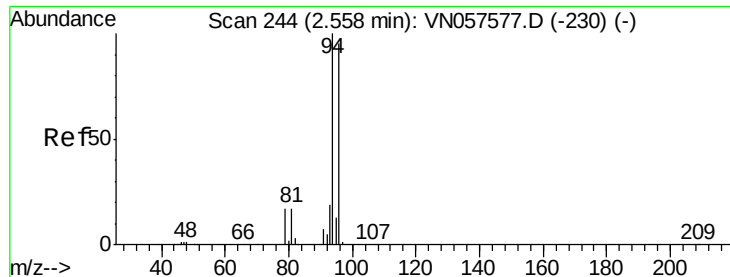
Tgt Ion: 62 Resp: 134018

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 21.964 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampled :

VN0830WBSD01

Tgt Ion: 94 Resp: 123789

Ion Ratio Lower Upper

94 100

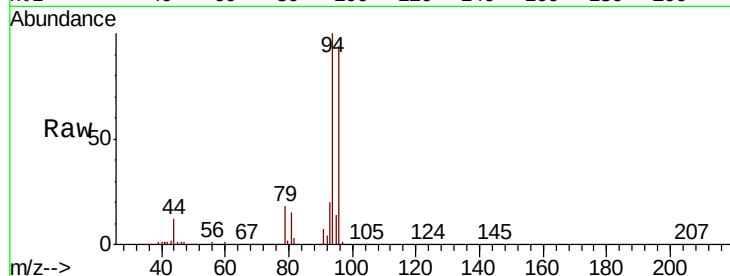
96 94.4 76.2 114.4

Manual Integrations

APPROVED

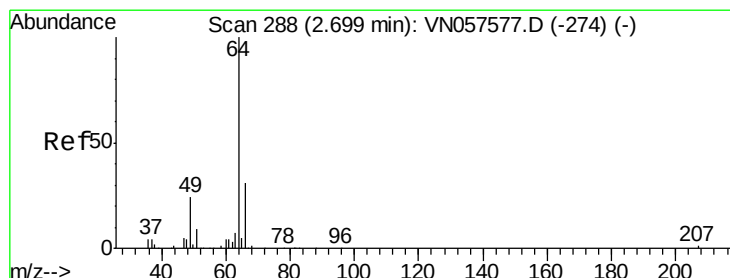
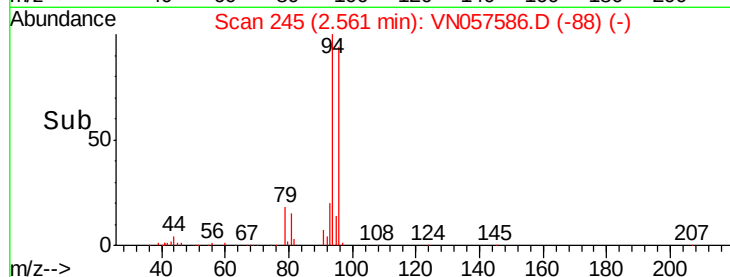
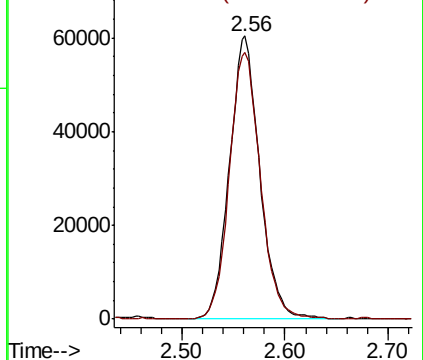
MMDadoda

8/31/2019 10:01:08 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 22.337 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN057586.D

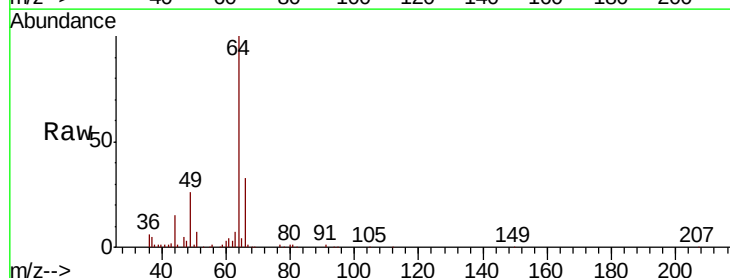
Acq: 30 Aug 2019 13:53

Tgt Ion: 64 Resp: 92757

Ion Ratio Lower Upper

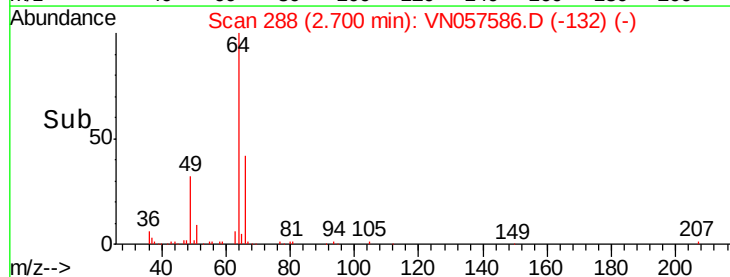
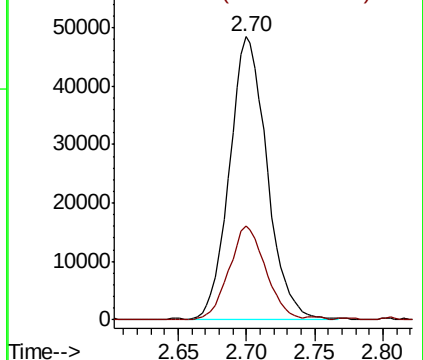
64 100

66 33.2 25.1 37.7

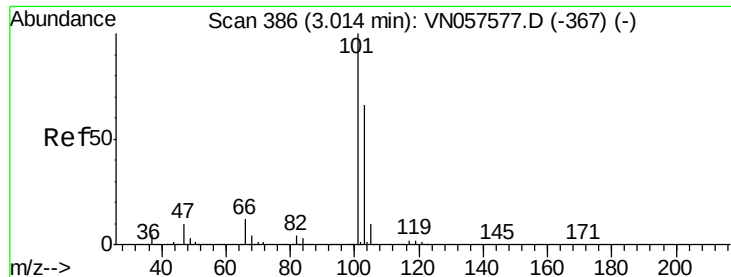


Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0







#7

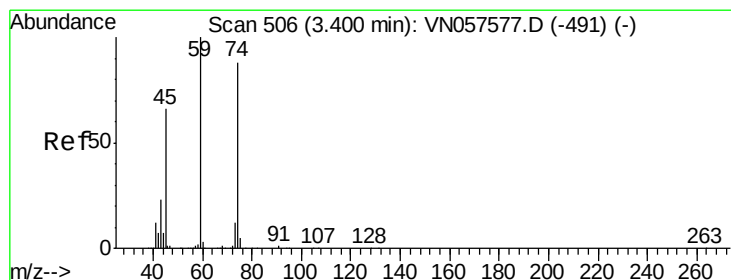
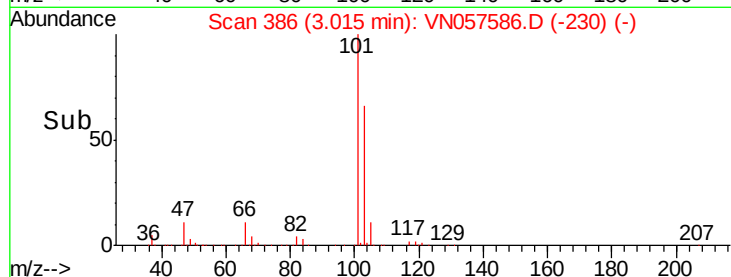
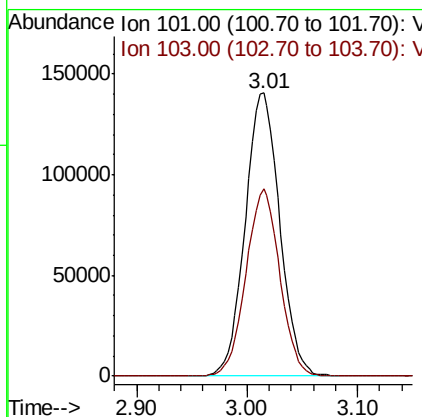
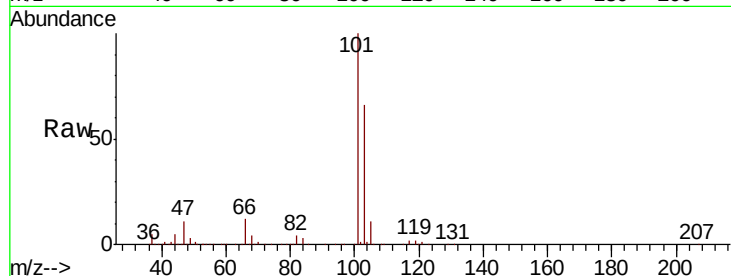
Trichlorofluoromethane  
 Concen: 22.503 ug/l  
 RT: 3.01 min Scan# 386  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.0  | 52.4  | 78.6  |

Manual Integrations  
 APPROVED

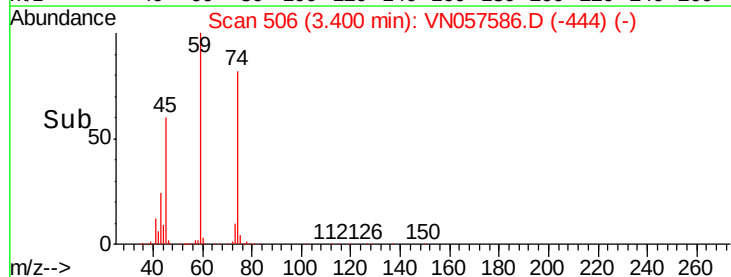
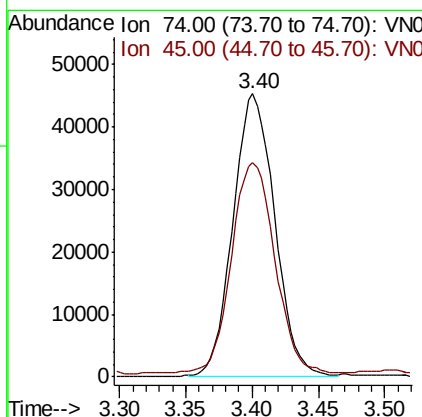
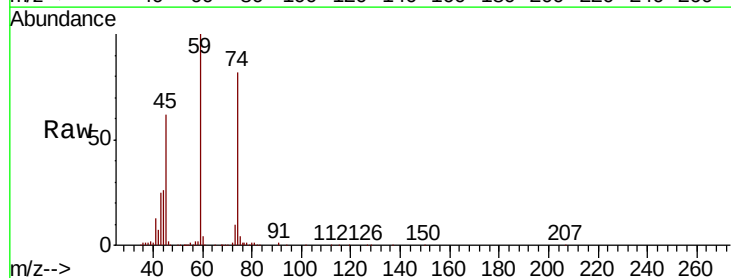
MMDadoda  
 8/31/2019 10:01:08 AM



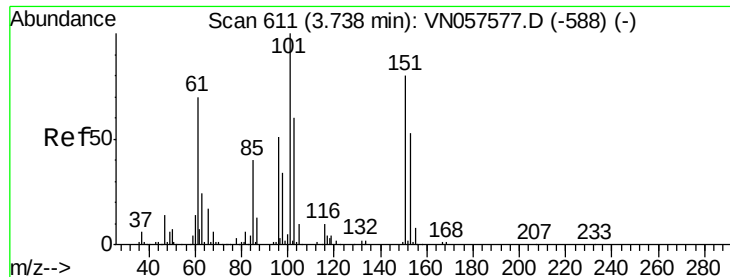
#8

Diethyl Ether  
 Concen: 22.687 ug/l  
 RT: 3.40 min Scan# 506  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 77.8  | 15.2  | 137.2 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.518 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

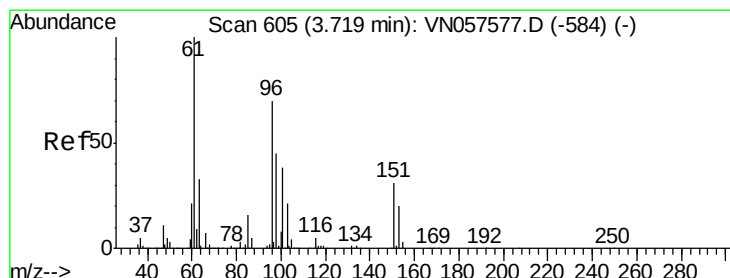
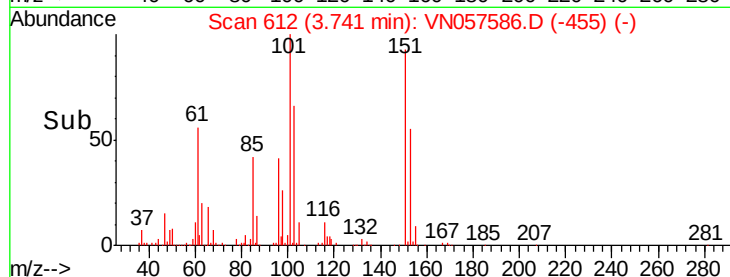
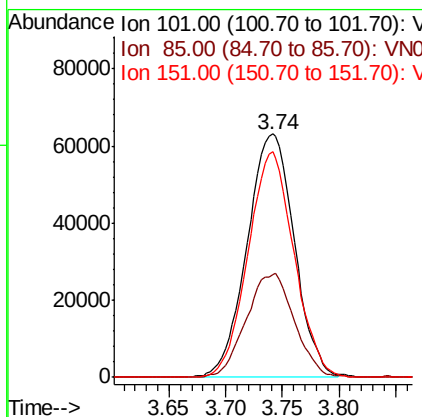
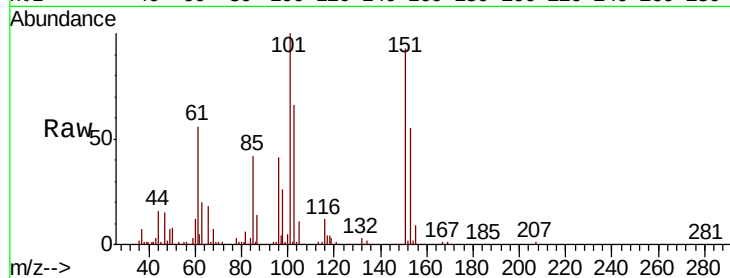
ClientSampleId :

VN0830WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 182705 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.5  | 0.0   | 83.2   |
| 151       | 90.5  | 0.0   | 166.6  |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



#10

1,1-Dichloroethene

Concen: 22.620 ug/l

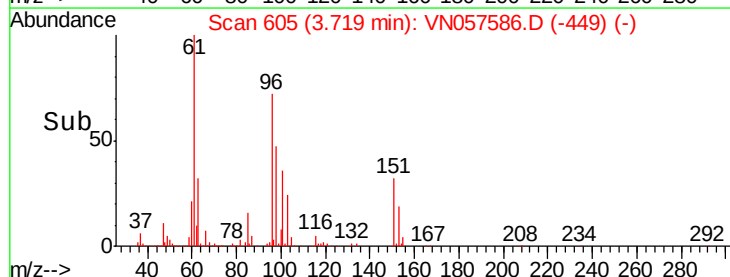
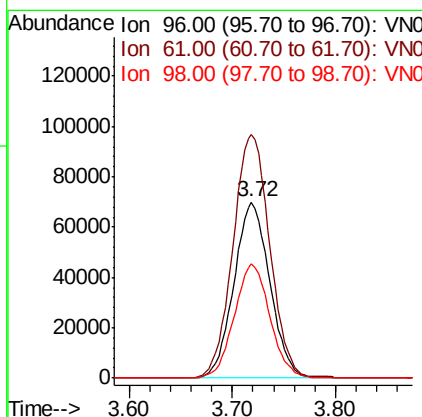
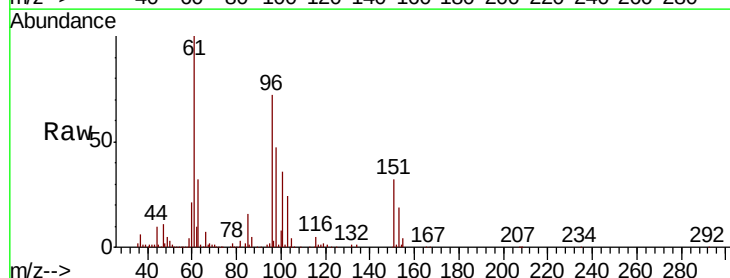
RT: 3.72 min Scan# 605

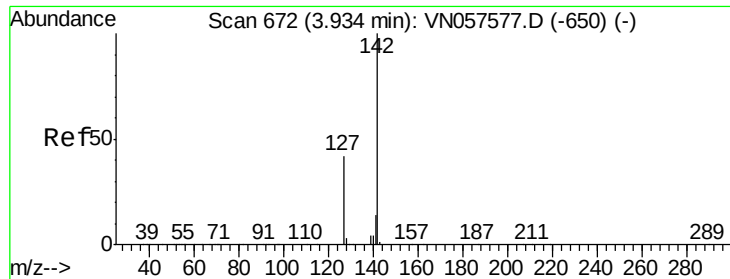
Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 168599 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 138.3 | 114.2 | 171.4  |
| 98        | 64.9  | 51.8  | 77.6   |





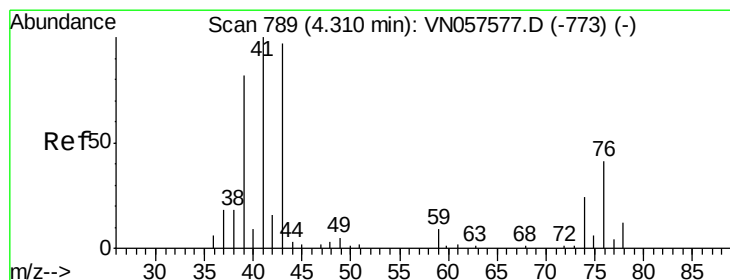
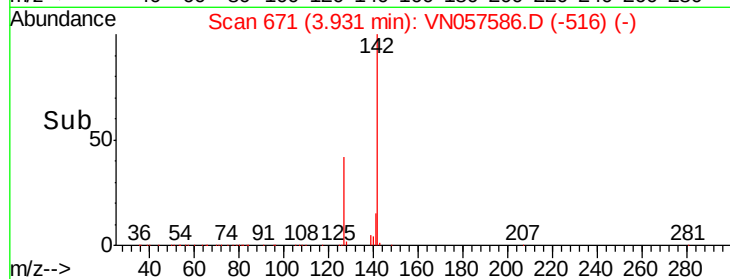
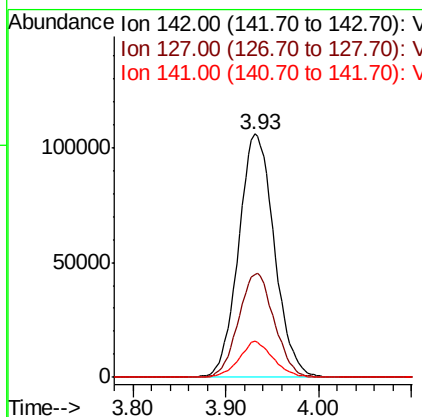
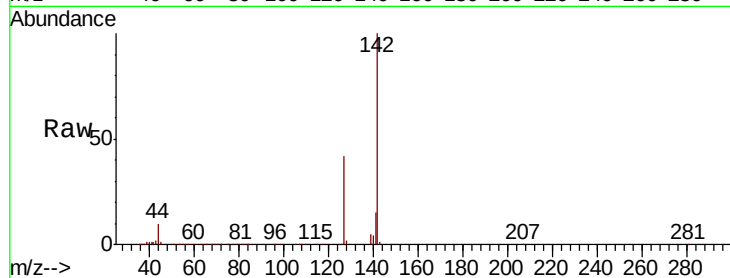
#11  
Methyl Iodide  
Concen: 22.016 ug/l  
RT: 3.93 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 42.3  | 20.8  | 62.4  |
| 141     | 15.0  | 6.8   | 20.4  |

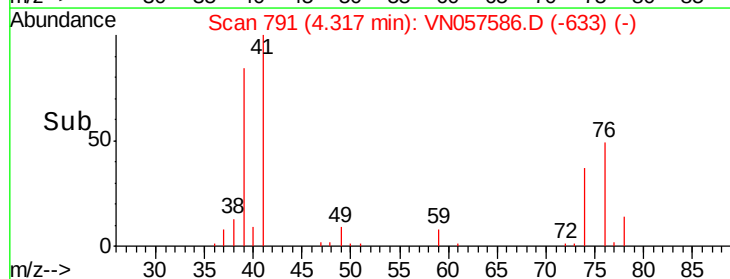
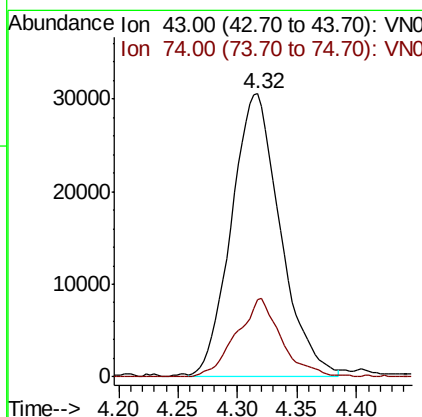
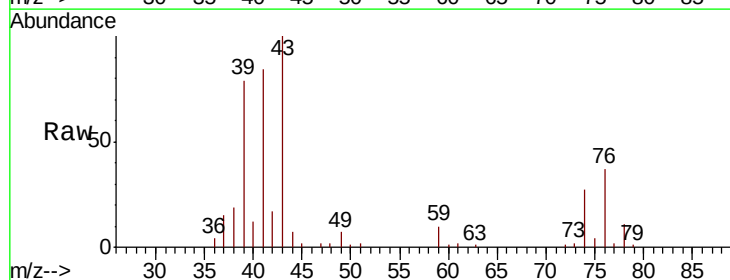
Manual Integrations  
APPROVED

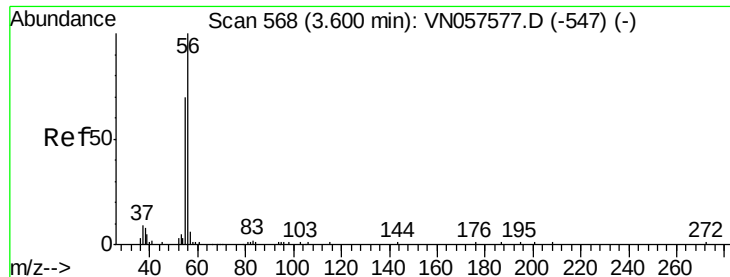
MMDadoda  
8/31/2019 10:01:08 AM



#12  
Methyl Acetate  
Concen: 21.708 ug/l  
RT: 4.32 min Scan# 791  
Delta R.T. 0.01 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 27.3  | 19.6  | 29.4  |





#13

Acrolein

Concen: 102.424 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD01

Tgt Ion: 56 Resp: 52453

Ion Ratio Lower Upper

56 100

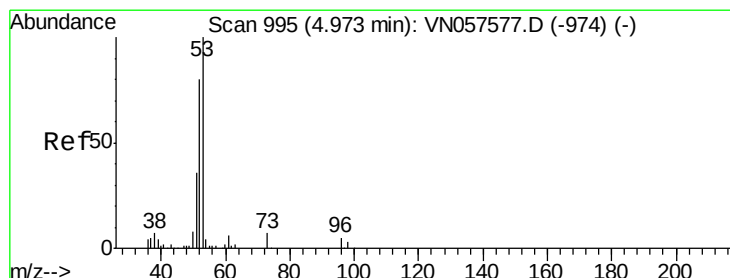
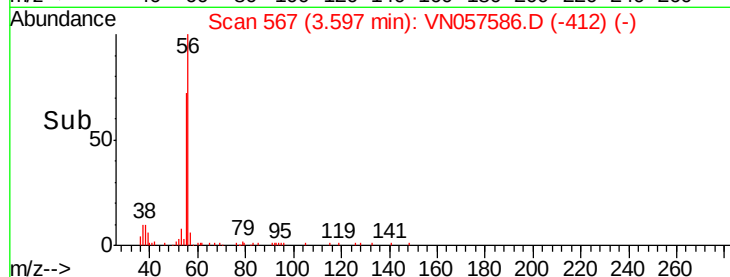
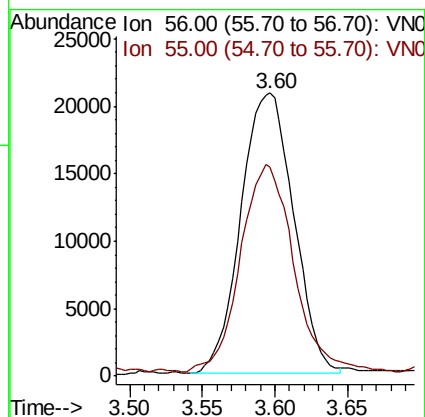
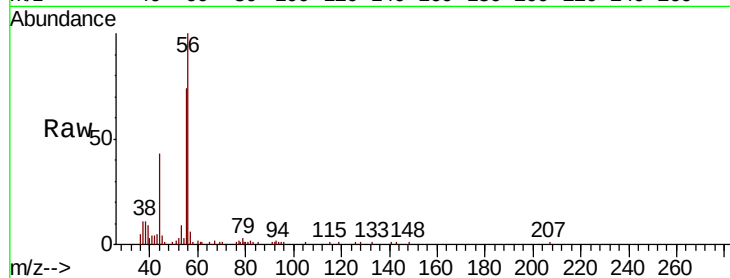
55 75.4 54.5 81.7

Manual Integrations

APPROVED

MMDadoda

8/31/2019 10:01:08 AM



#14

Acrylonitrile

Concen: 106.529 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

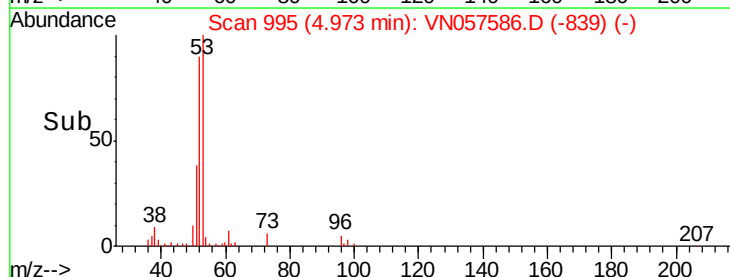
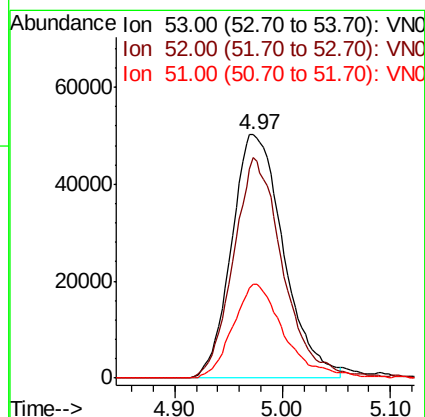
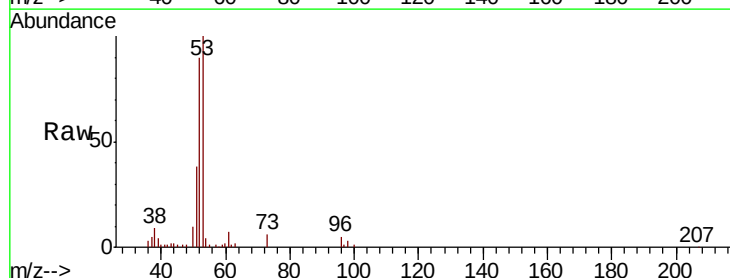
Tgt Ion: 53 Resp: 168204

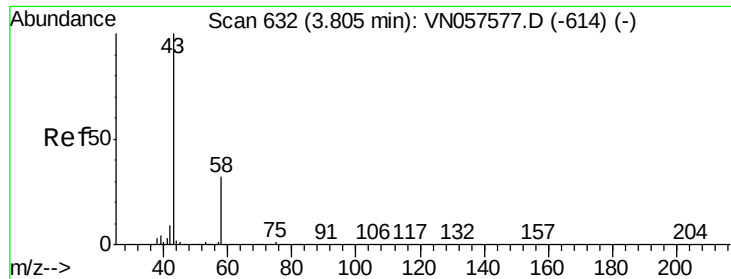
Ion Ratio Lower Upper

53 100

52 85.6 40.6 122.0

51 37.3 8.3 24.9#





#15

Acetone

Concen: 96.976 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD01

Tgt Ion: 58 Resp: 82643

Ion Ratio Lower Upper

58 100

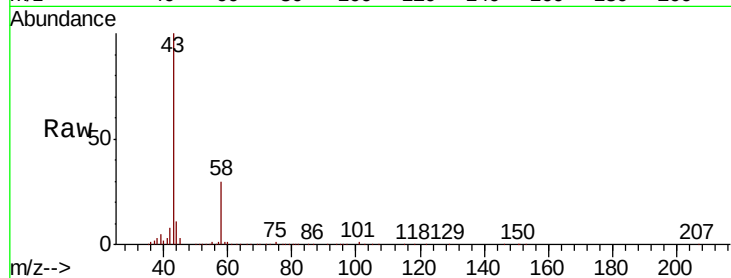
43 325.1 252.8 379.2

Manual Integrations

APPROVED

MMDadoda

8/31/2019 10:01:08 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

120000

100000

80000

60000

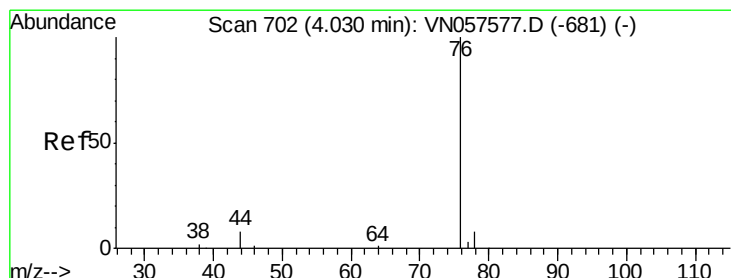
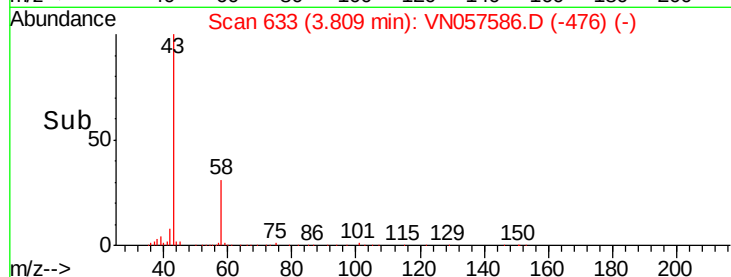
40000

20000

0

3.70 3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 20.117 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057586.D

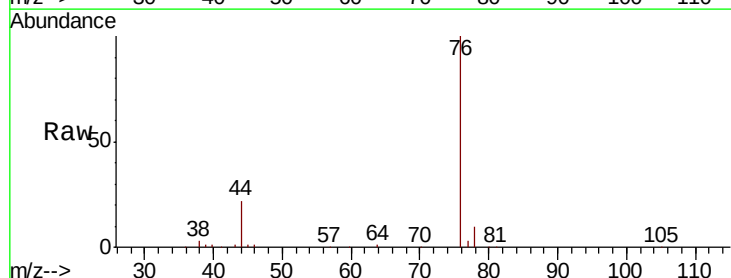
Acq: 30 Aug 2019 13:53

Tgt Ion: 76 Resp: 156433

Ion Ratio Lower Upper

76 100

78 10.0 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

60000

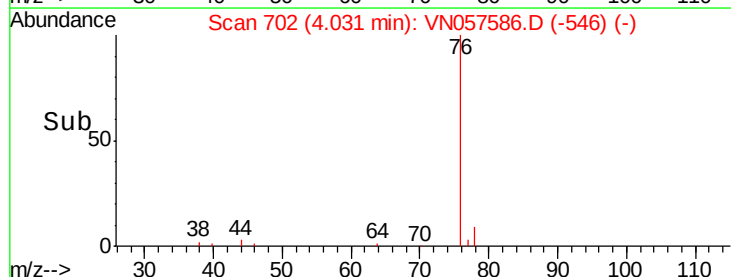
40000

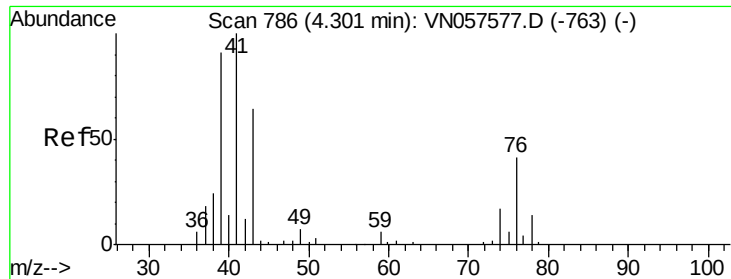
20000

0

3.90 4.00 4.10

Time-->





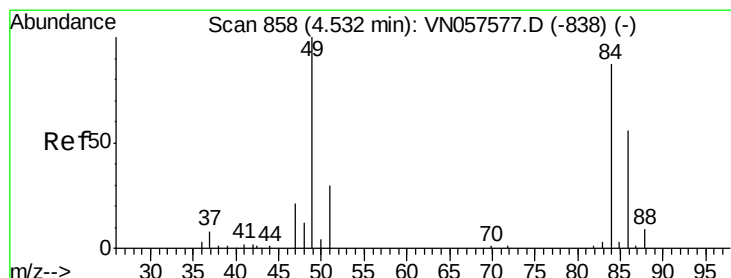
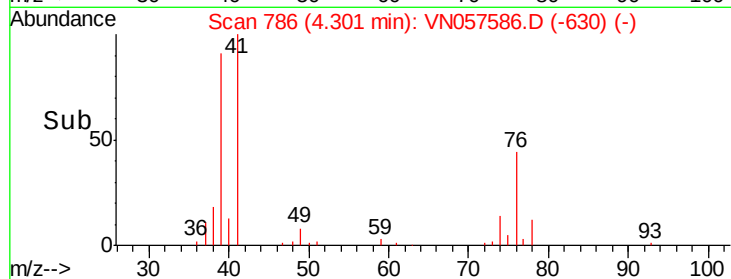
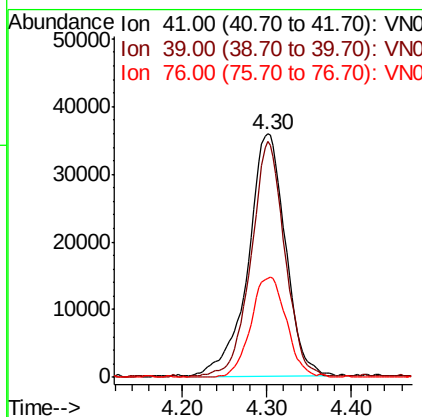
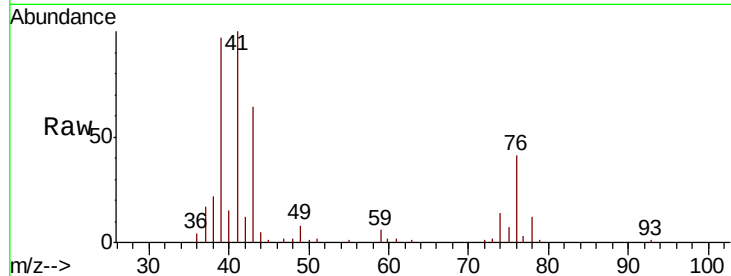
#17  
 Allyl chloride  
 Concen: 20.687 ug/l  
 RT: 4.30 min Scan# 786  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 110014 |       |       |
| 39      | 97.3  |        | 44.6  | 134.0 |
| 76      | 40.8  |        | 19.8  | 59.3  |

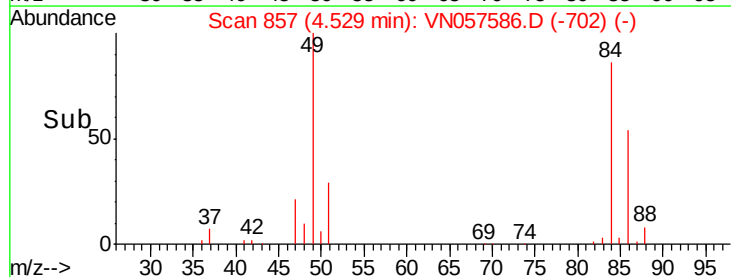
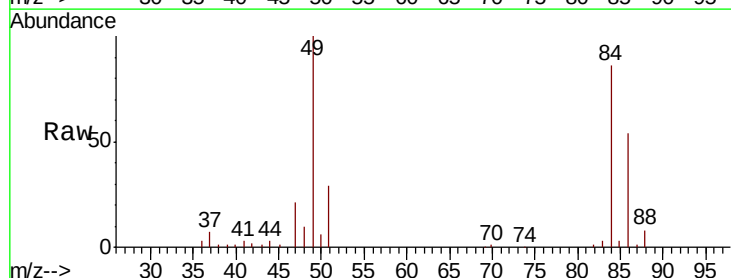
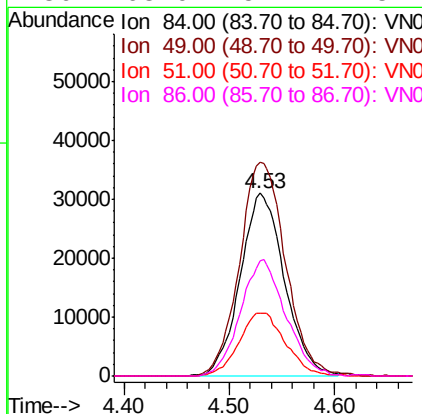
Manual Integrations  
 APPROVED

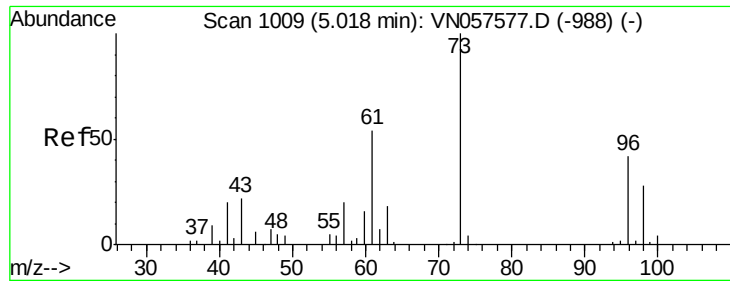
MMDadoda  
 8/31/2019 10:01:08 AM



#18  
 Methylene Chloride  
 Concen: 21.187 ug/l  
 RT: 4.53 min Scan# 857  
 Delta R.T. -0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 84      | 100   | 90726 |       |       |
| 49      | 116.8 |       | 92.4  | 138.6 |
| 51      | 34.4  |       | 27.9  | 41.9  |
| 86      | 63.0  |       | 52.2  | 78.2  |





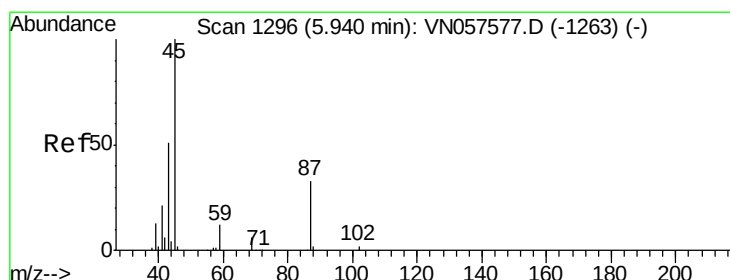
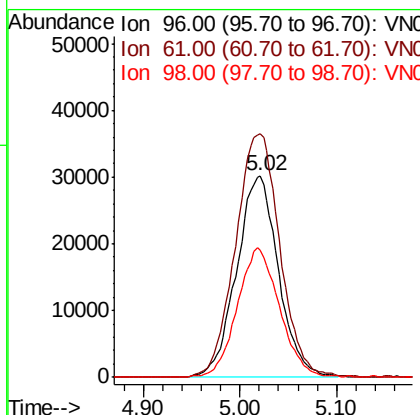
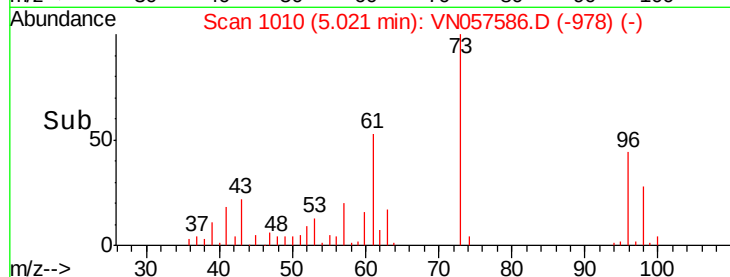
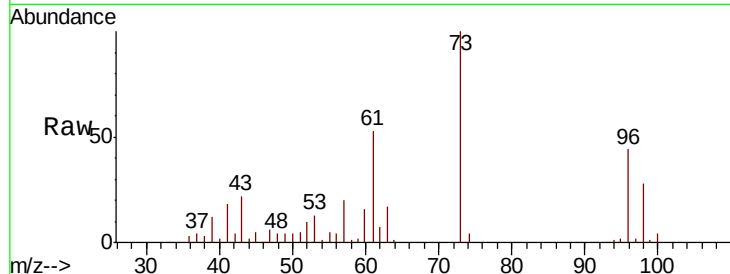
#19  
trans-1,2-Dichloroethene  
Concen: 21.325 ug/l  
RT: 5.02 min Scan# 1010  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 120.9 | 102.6 | 153.8 |
| 98      | 62.8  | 52.6  | 79.0  |

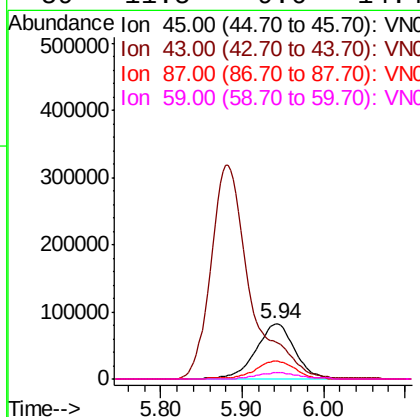
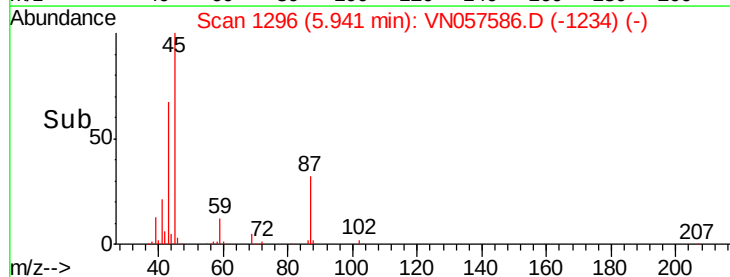
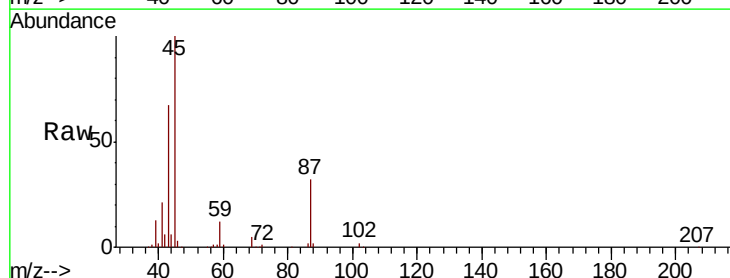
Manual Integrations  
APPROVED

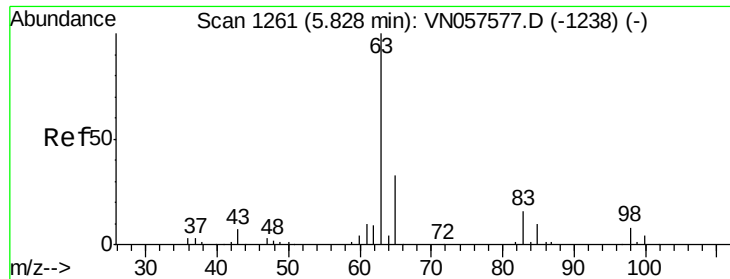
MMDadoda  
8/31/2019 10:01:08 AM



#20  
Diisopropyl ether  
Concen: 21.415 ug/l  
RT: 5.94 min Scan# 1296  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 65.0  | 51.9  | 77.9  |
| 87      | 31.6  | 27.3  | 40.9  |
| 59      | 11.5  | 9.6   | 14.4  |





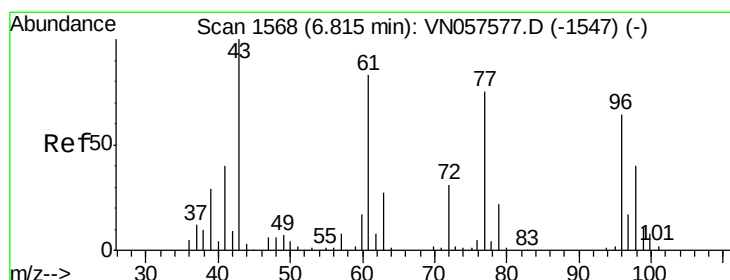
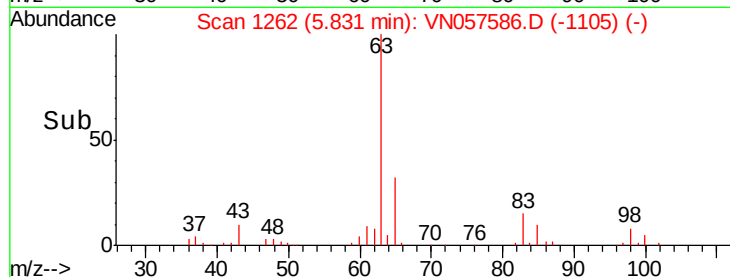
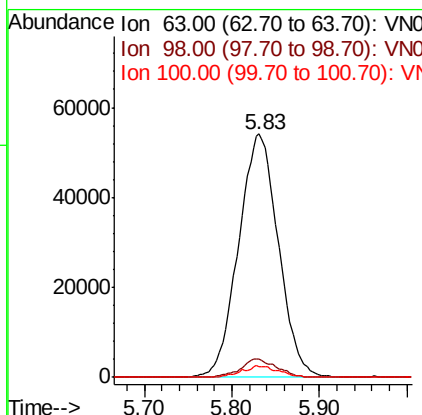
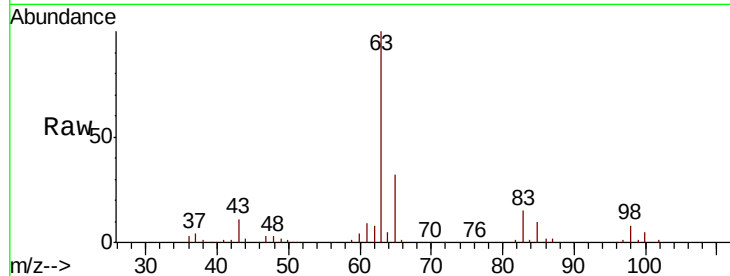
#21  
 1,1-Dichloroethane  
 Concen: 21.274 ug/l  
 RT: 5.83 min Scan# 1262  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0830WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 170583 |       |       |
| 98      | 7.8   |        | 3.8   | 11.2  |
| 100     | 4.5   |        | 2.0   | 6.0   |

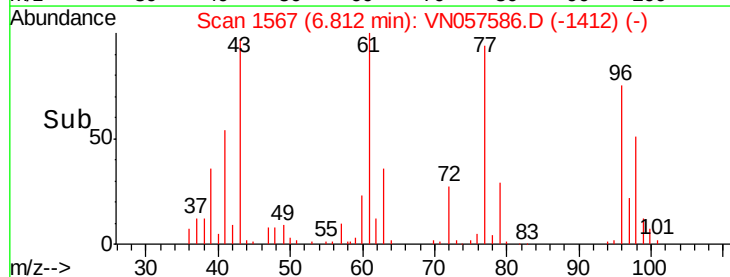
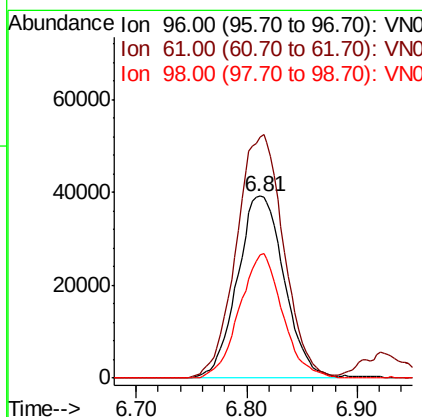
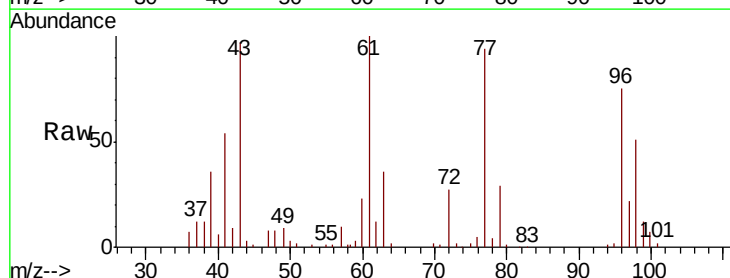
Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2019 10:01:08 AM

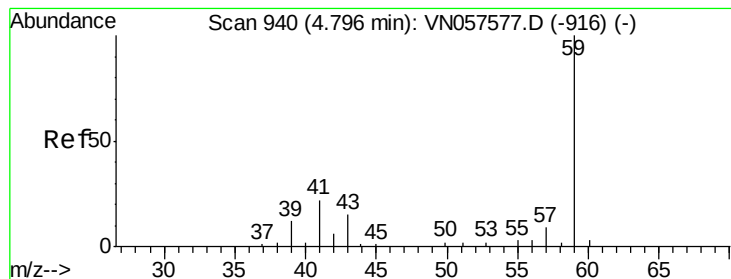


#22  
 cis-1,2-Dichloroethene  
 Concen: 20.367 ug/l  
 RT: 6.81 min Scan# 1567  
 Delta R.T. -0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 115530 |       |       |
| 61      | 135.1 |        | 110.5 | 165.7 |
| 98      | 62.9  |        | 51.1  | 76.7  |







#23

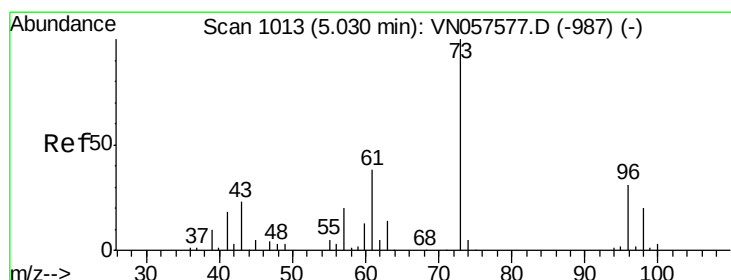
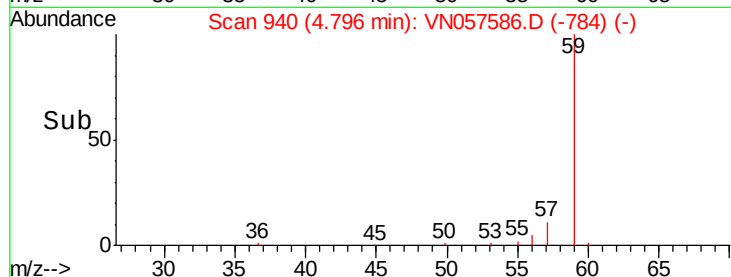
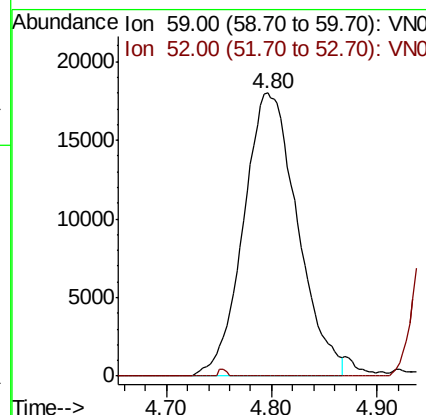
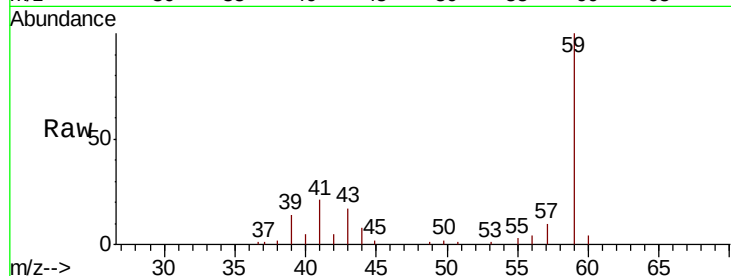
tert-Butyl Alcohol  
 Concen: 109.546 ug/l  
 RT: 4.80 min Scan# 940  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

Tgt Ion: 59 Resp: 64146  
 Ion Ratio Lower Upper  
 59 100  
 52 0.4 0.1 0.1#

Manual Integrations  
 APPROVED

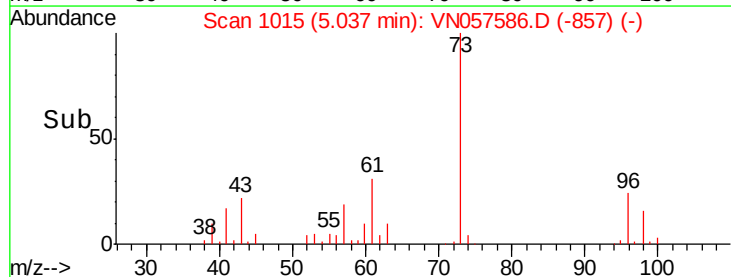
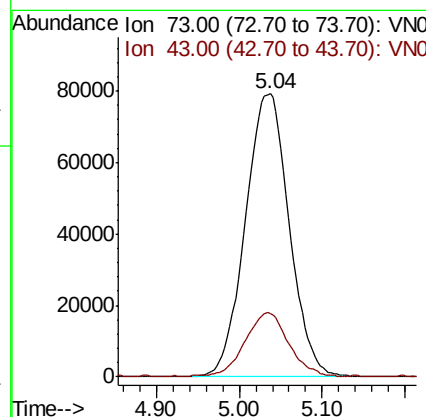
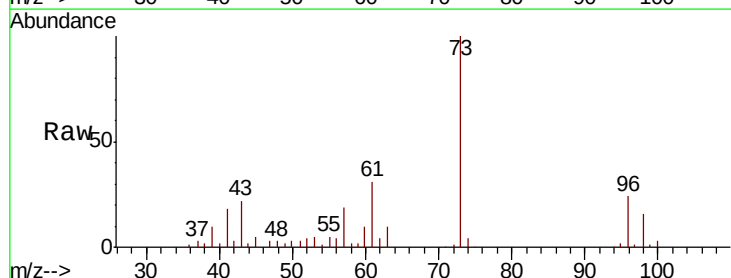
MMDadoda  
 8/31/2019 10:01:08 AM

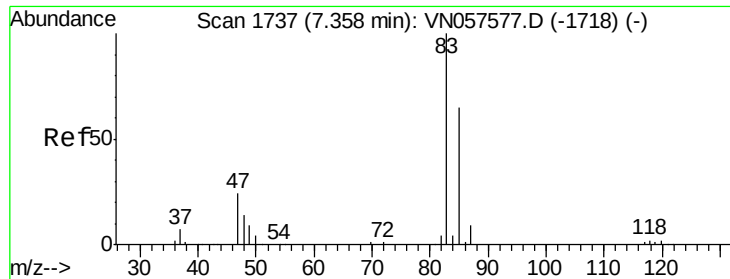


#24

Methyl tert-Butyl Ether  
 Concen: 21.260 ug/l  
 RT: 5.04 min Scan# 1015  
 Delta R.T. 0.01 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Tgt Ion: 73 Resp: 291611  
 Ion Ratio Lower Upper  
 73 100  
 43 22.2 18.4 27.6





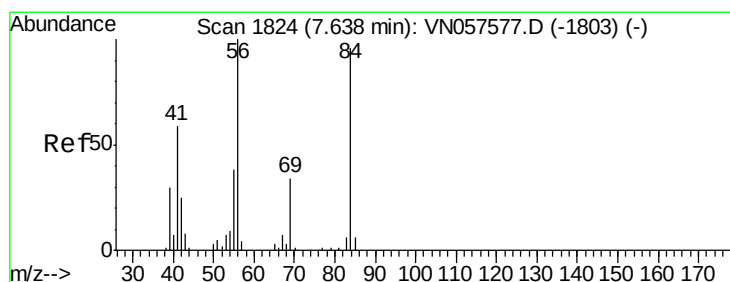
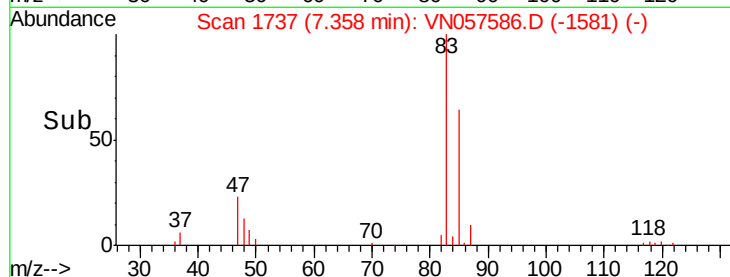
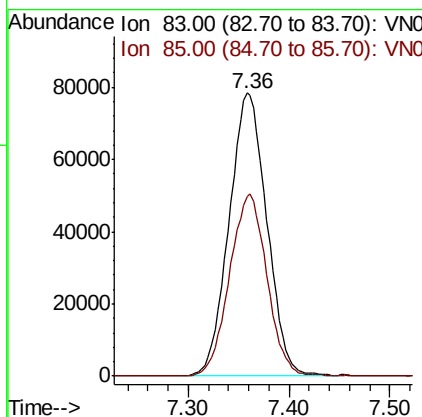
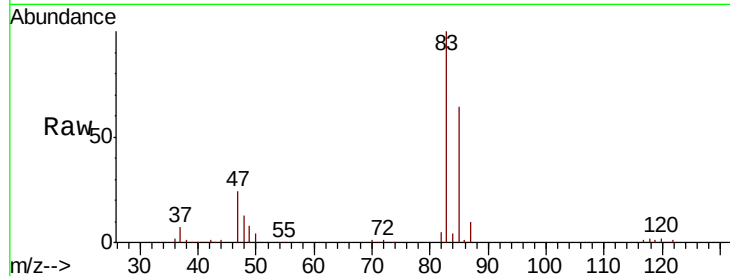
#25  
Chloroform  
Concen: 20.917 ug/l  
RT: 7.36 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

Tgt Ion: 83 Resp: 203784  
Ion Ratio Lower Upper  
83 100  
85 63.6 51.8 77.6

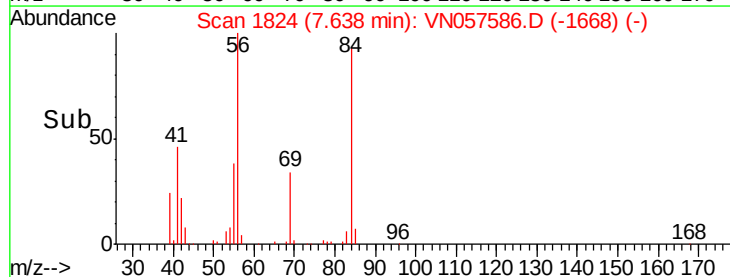
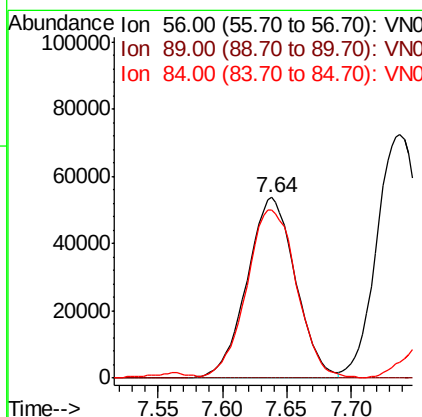
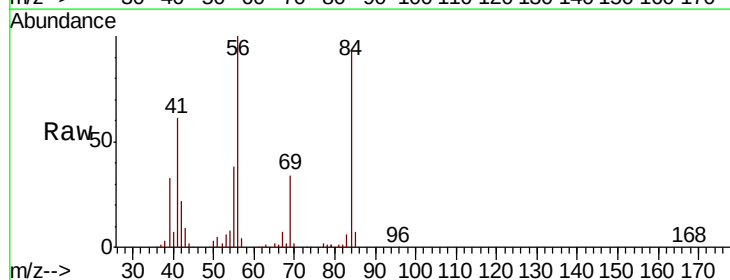
Manual Integrations  
APPROVED

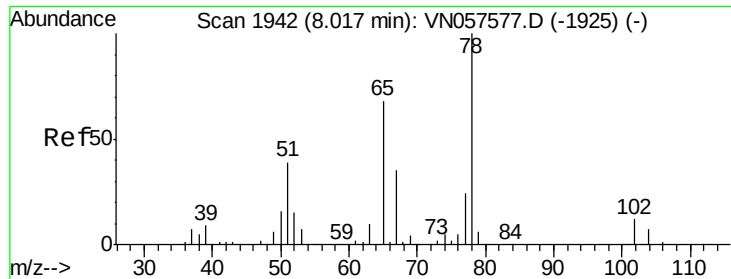
MMDadoda  
8/31/2019 10:01:08 AM



#26  
Cyclohexane  
Concen: 21.082 ug/l  
RT: 7.64 min Scan# 1824  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Tgt Ion: 56 Resp: 140954  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 96.4 75.9 113.9





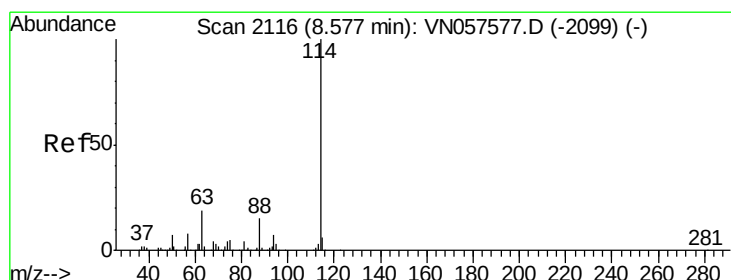
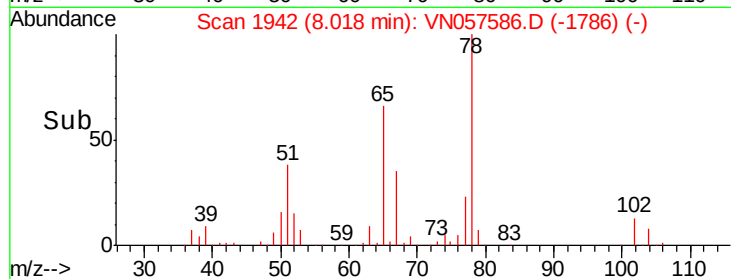
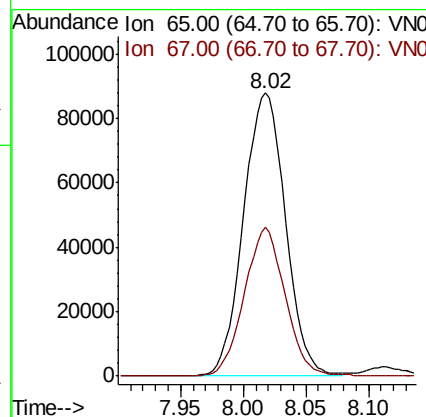
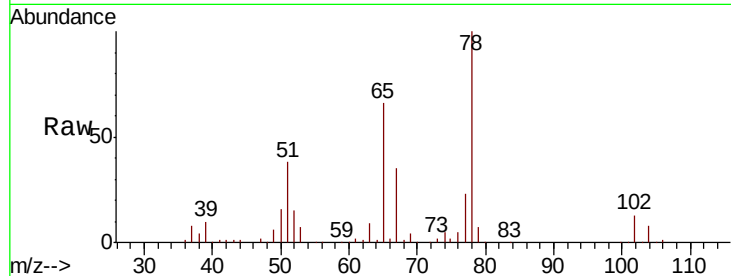
#27  
 1,2-Dichloroethane-d4  
 Concen: 31.593 ug/l  
 RT: 8.02 min Scan# 1942  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 204555 |       |       |
| 67      | 51.2  | 39.8   | 59.6  |       |

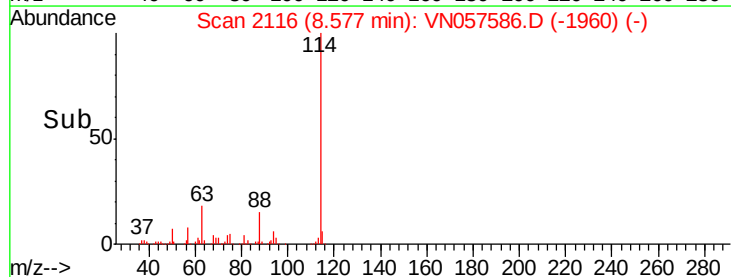
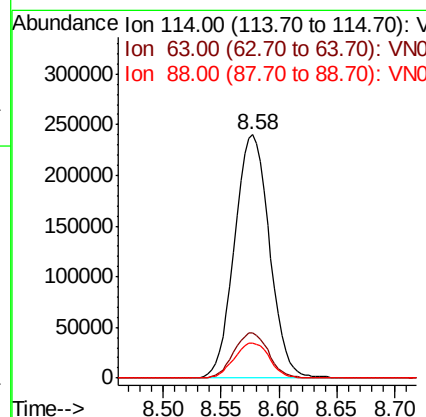
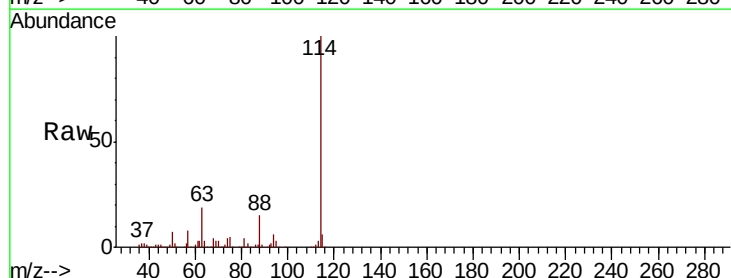
Manual Integrations  
 APPROVED

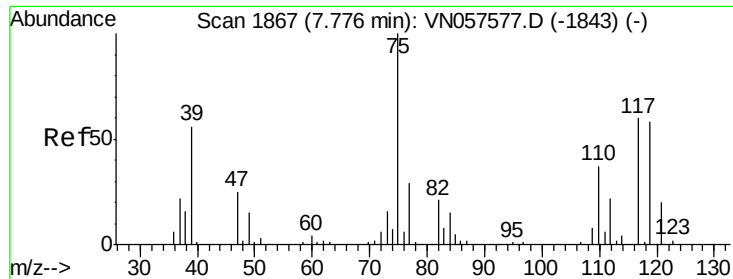
MMDadoda  
 8/31/2019 10:01:08 AM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 501081 |       |       |
| 63      | 18.5  | 15.4   | 23.0  |       |
| 88      | 14.7  | 11.8   | 17.8  |       |





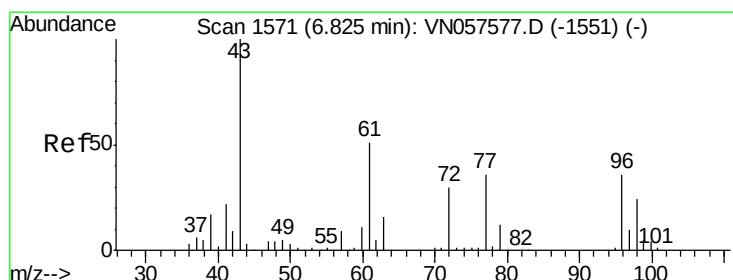
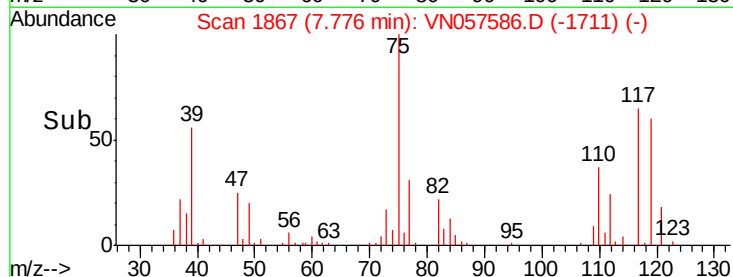
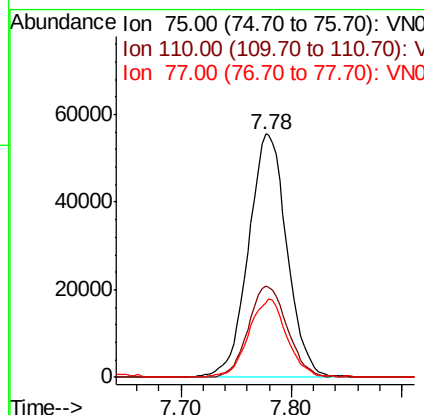
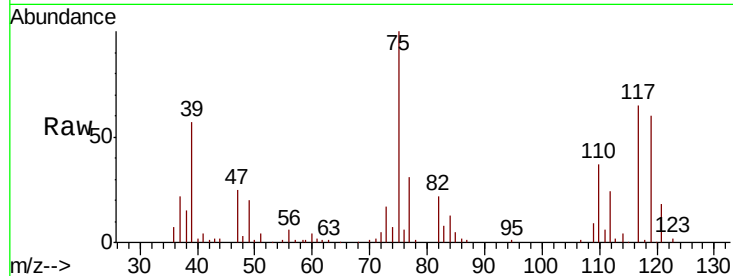
#29  
 1,1-Dichloropropene  
 Concen: 19.764 ug/l  
 RT: 7.78 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0830WBSD01

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 37.8  | 0.0        | 75.4  |
| 77      | 31.9  | 0.0        | 61.0  |

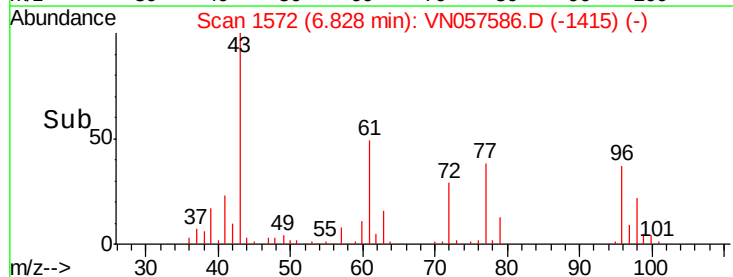
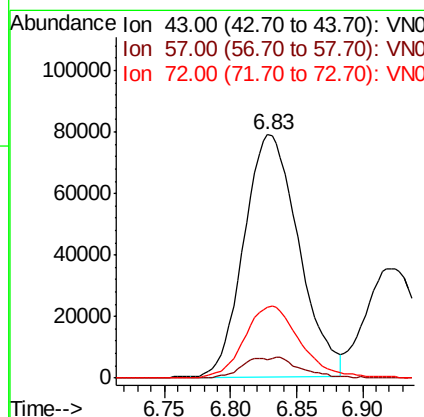
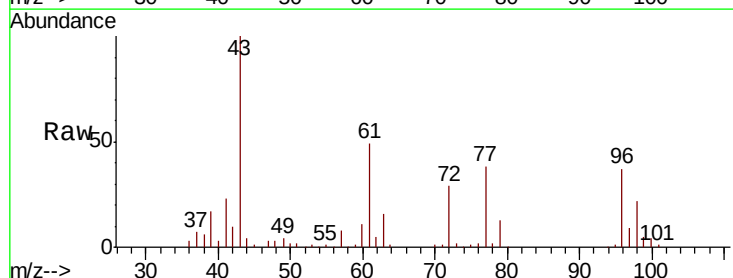
Manual Integrations  
 APPROVED

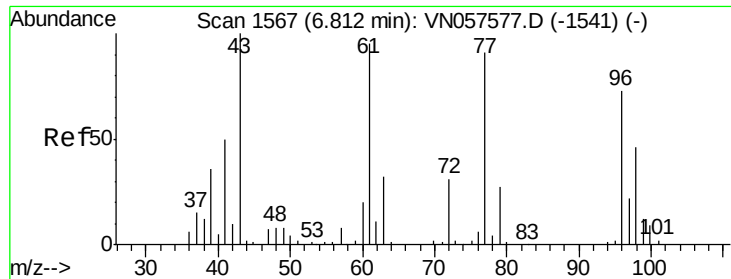
MMDadoda  
 8/31/2019 10:01:08 AM



#30  
 2-Butanone  
 Concen: 103.213 ug/l  
 RT: 6.83 min Scan# 1572  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 4.2   | 3.5        | 5.3   |
| 72      | 30.2  | 24.6       | 36.8  |





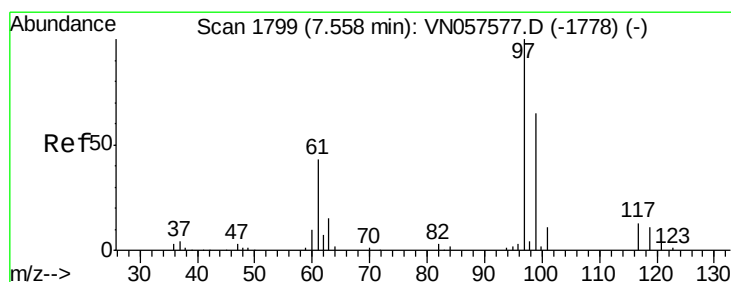
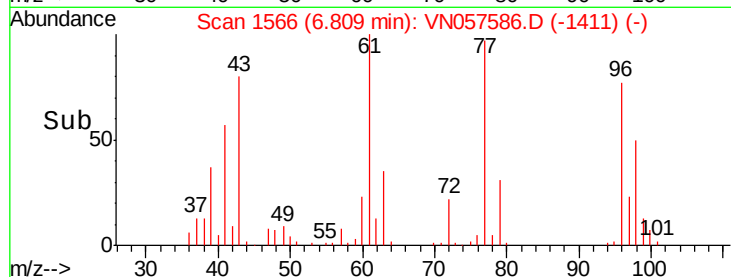
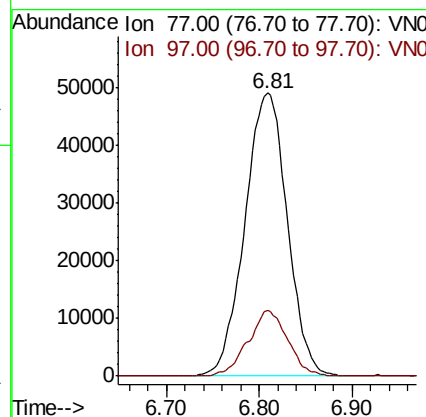
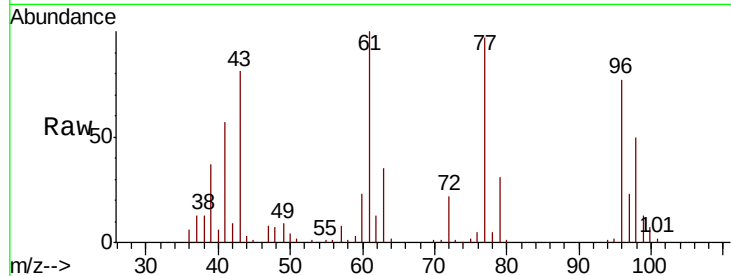
#31  
 2,2-Dichloropropane  
 Concen: 19.272 ug/l  
 RT: 6.81 min Scan# 1566  
 Delta R.T. -0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

Tgt Ion: 77 Resp: 156344  
 Ion Ratio Lower Upper  
 77 100  
 97 21.7 18.9 28.3

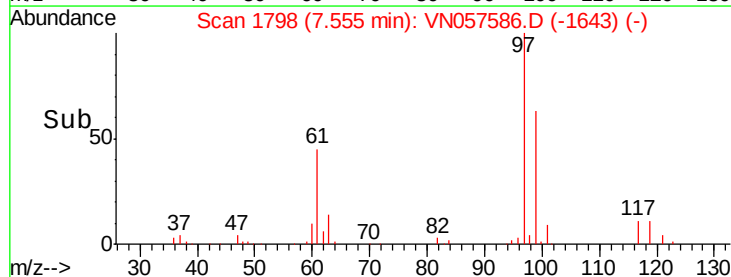
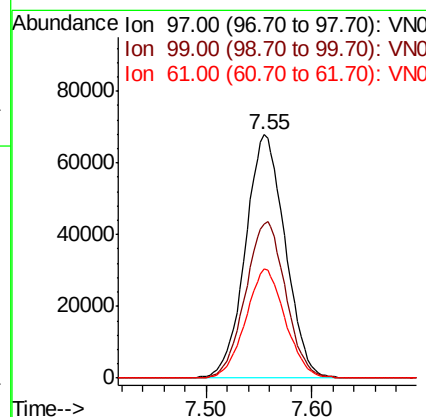
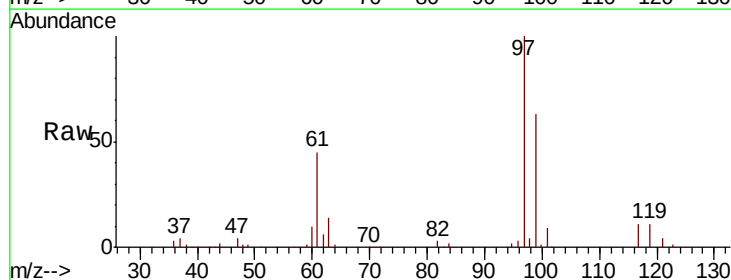
Manual Integrations  
 APPROVED

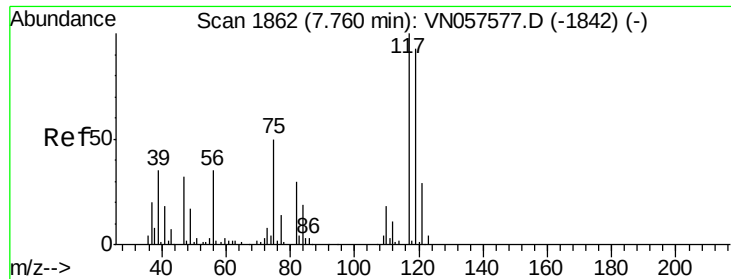
MMDadoda  
 8/31/2019 10:01:08 AM



#32  
 1,1,1-Trichloroethane  
 Concen: 19.549 ug/l  
 RT: 7.55 min Scan# 1798  
 Delta R.T. -0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Tgt Ion: 97 Resp: 177738  
 Ion Ratio Lower Upper  
 97 100  
 99 64.8 51.1 76.7  
 61 44.6 34.4 51.6





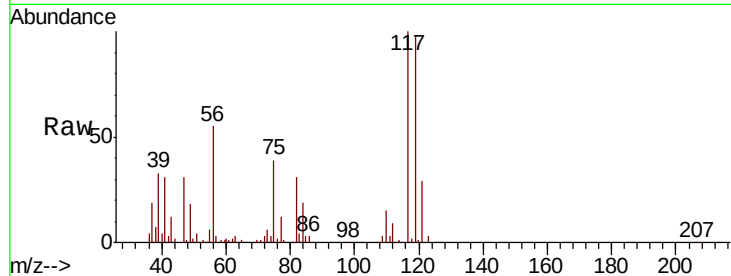
#33  
Carbon Tetrachloride  
Concen: 19.337 ug/l  
RT: 7.76 min Scan# 1861  
Delta R.T. -0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 149171 |       |       |
| 119     | 97.4  | 74.6   | 111.8 |       |
| 121     | 29.3  | 23.5   | 35.3  |       |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM

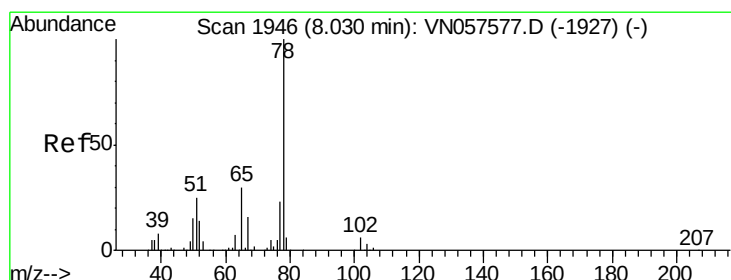
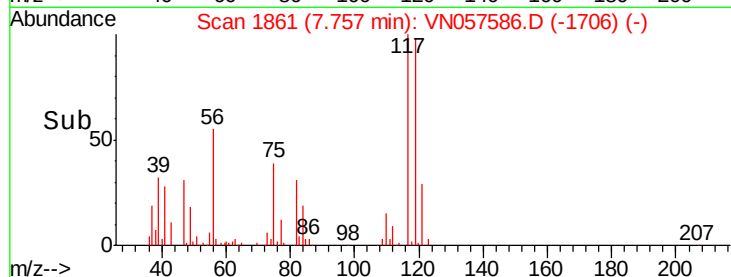
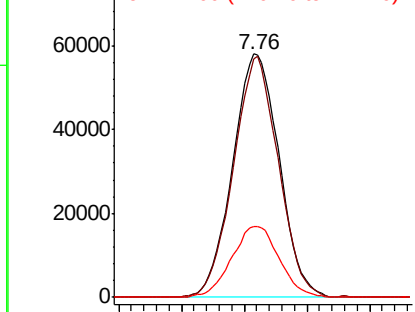


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34  
Benzene  
Concen: 20.220 ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

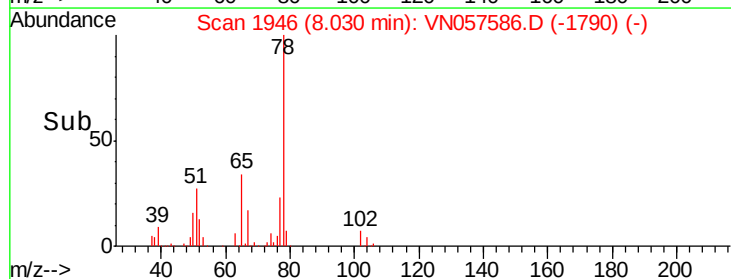
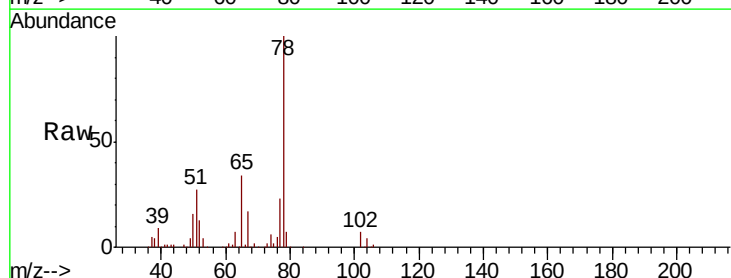
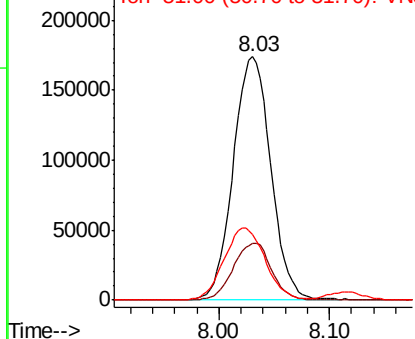
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 411087 |       |       |
| 77      | 23.1  | 18.2   | 27.4  |       |
| 51      | 26.4  | 20.2   | 30.4  |       |

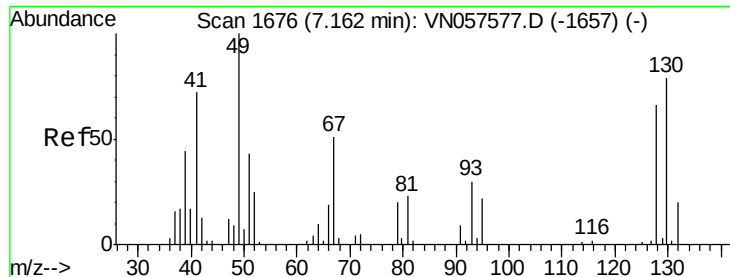
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





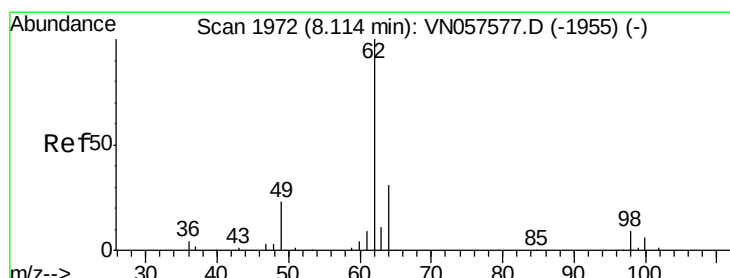
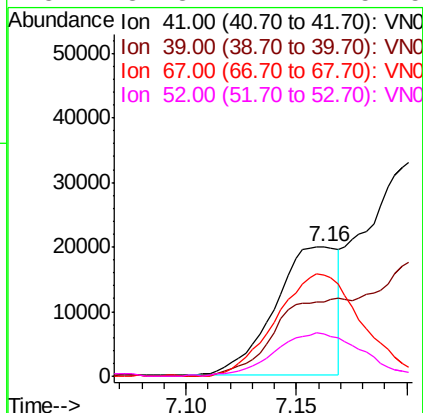
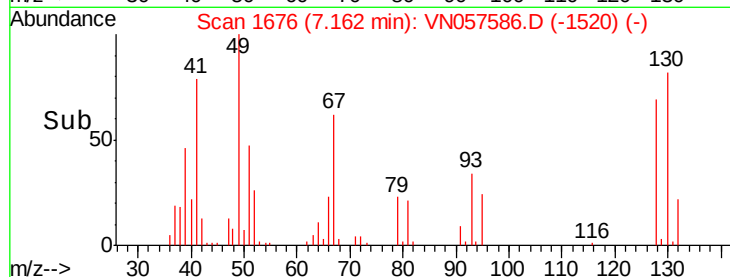
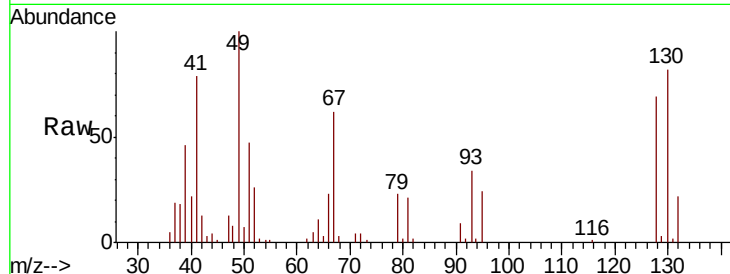
#35  
Methacrylonitrile  
Concen: 18.064 ug/l  
RT: 7.16 min Scan# 1676  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 58.1  | 30.4  | 91.2  |
| 67      | 78.8  | 35.6  | 106.8 |
| 52      | 32.3  | 17.2  | 51.5  |

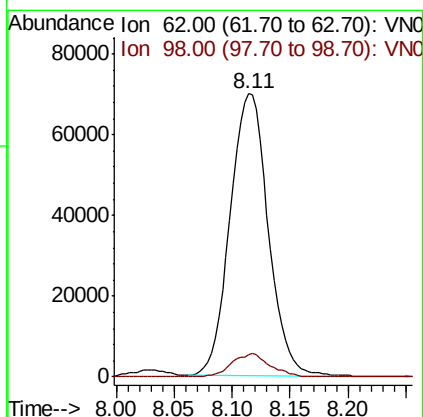
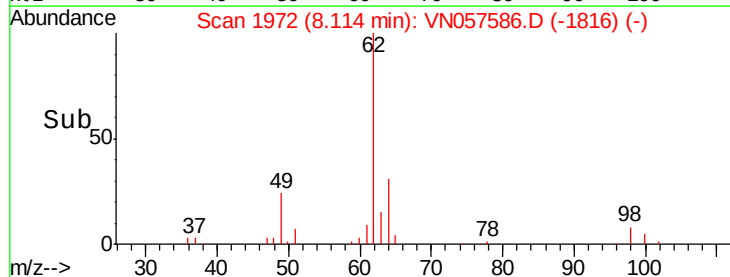
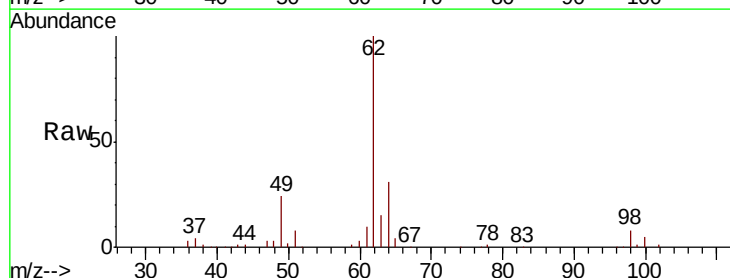
Manual Integrations  
APPROVED

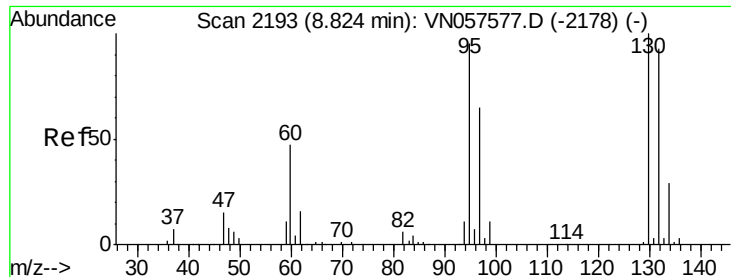
MMDadoda  
8/31/2019 10:01:08 AM



#36  
1,2-Dichloroethane  
Concen: 21.398 ug/l  
RT: 8.11 min Scan# 1972  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.2   | 6.8   | 10.2  |





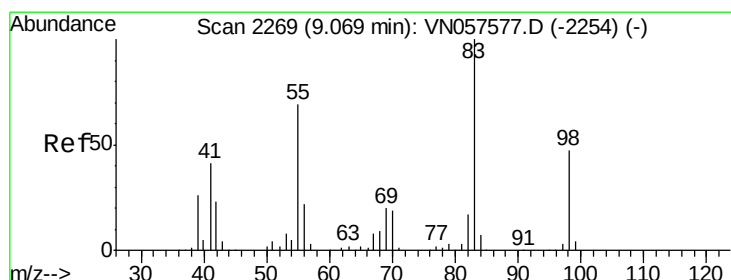
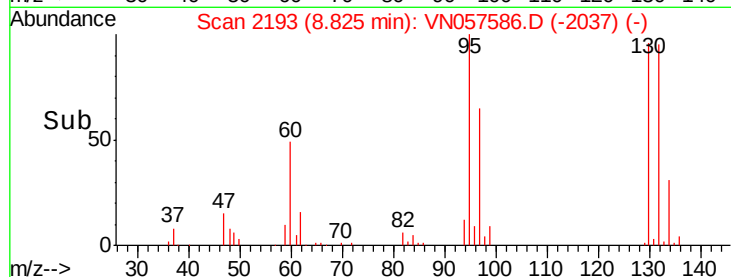
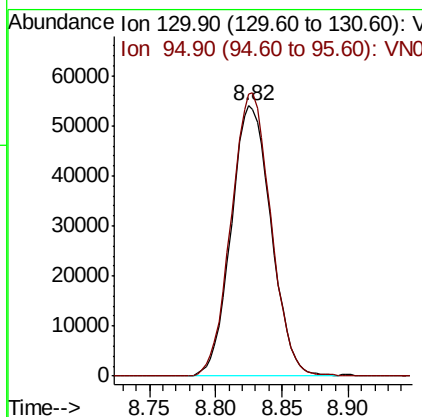
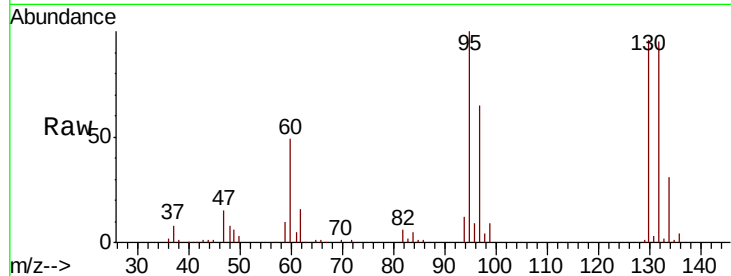
#37  
 Trichloroethene  
 Concen: 19.253 ug/l  
 RT: 8.82 min Scan# 2193  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

Tgt Ion: 130 Resp: 113367  
 Ion Ratio Lower Upper  
 130 100  
 95 104.4 76.2 114.2

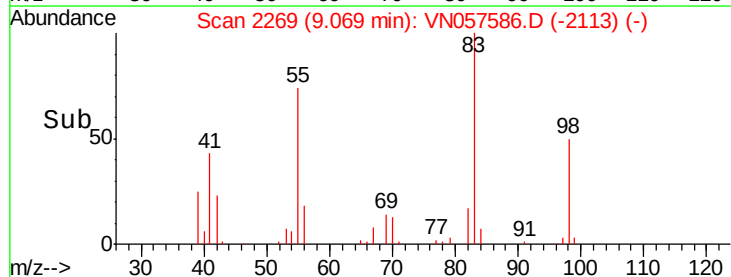
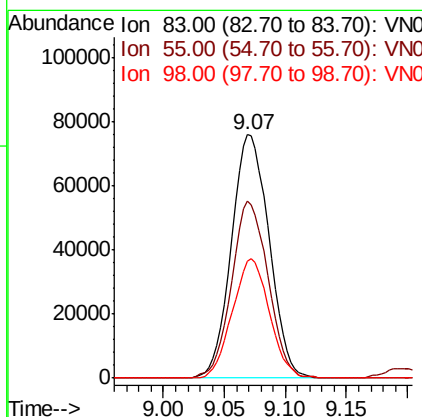
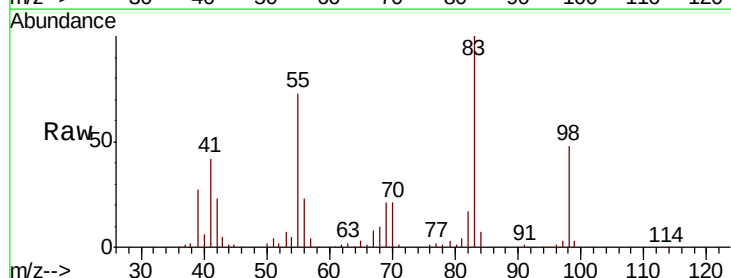
Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2019 10:01:08 AM

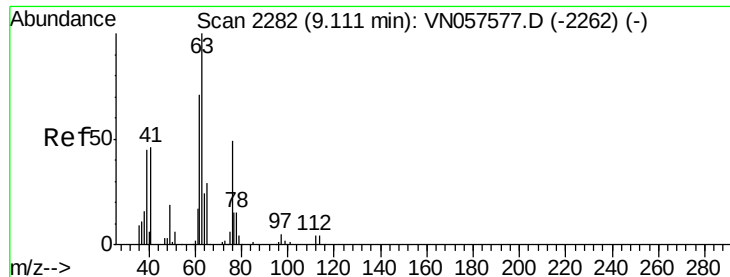


#38  
 Methylcyclohexane  
 Concen: 19.764 ug/l  
 RT: 9.07 min Scan# 2269  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Tgt Ion: 83 Resp: 163247  
 Ion Ratio Lower Upper  
 83 100  
 55 70.4 34.5 103.6  
 98 48.1 23.4 70.3







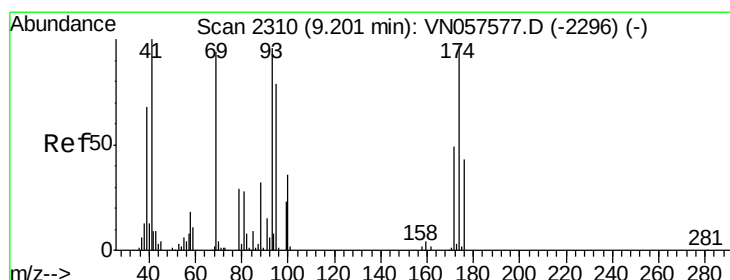
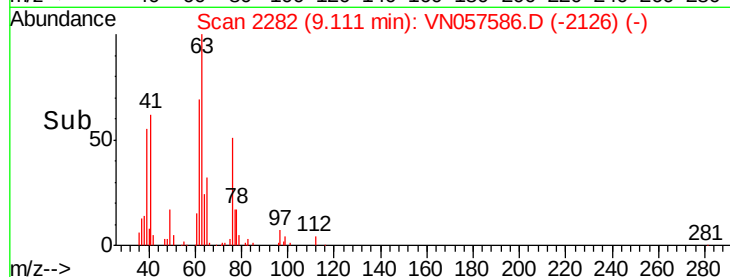
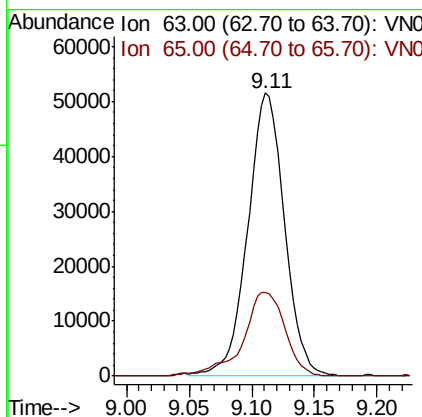
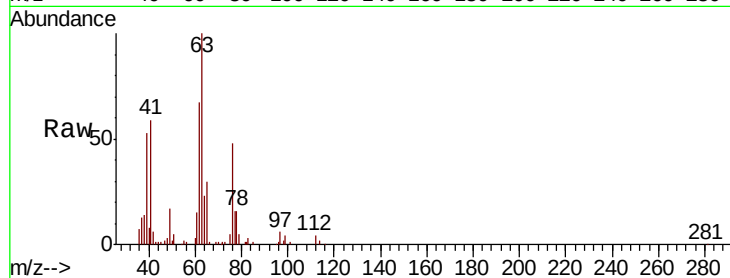
#39  
 1,2-Dichloropropane  
 Concen: 21.174 ug/l  
 RT: 9.11 min Scan# 2282  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

Tgt Ion: 63 Resp: 105337  
 Ion Ratio Lower Upper  
 63 100  
 65 29.8 24.2 36.2

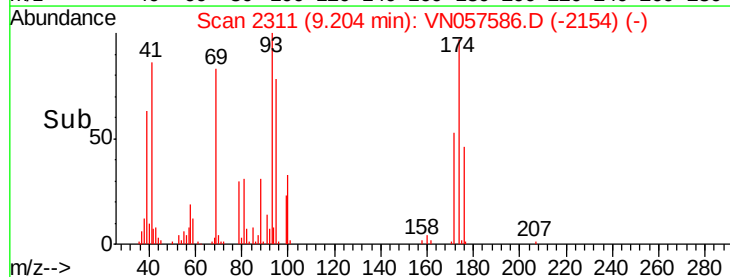
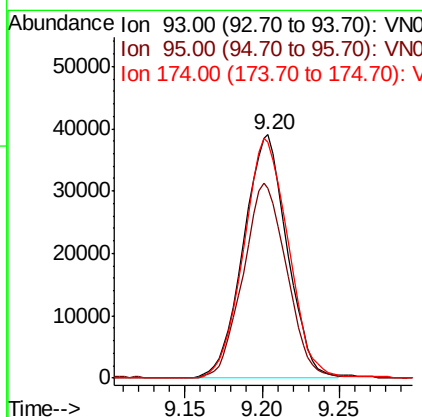
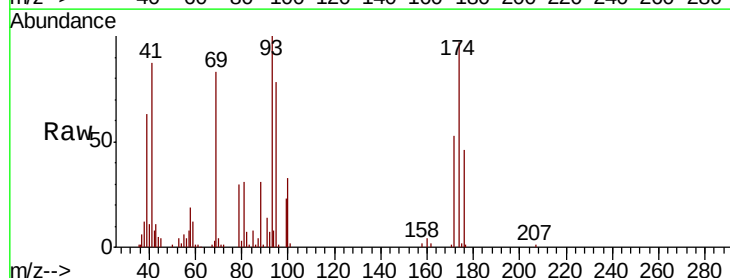
Manual Integrations  
 APPROVED

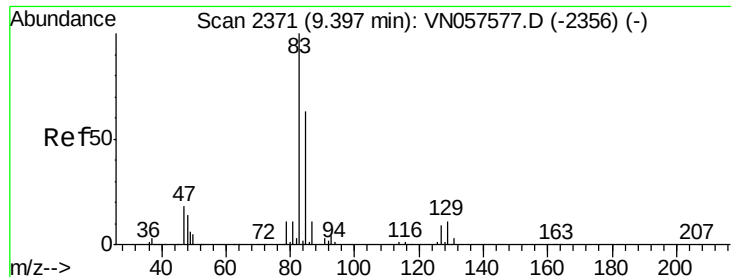
MMDadoda  
 8/31/2019 10:01:08 AM



#40  
 Dibromomethane  
 Concen: 20.100 ug/l  
 RT: 9.20 min Scan# 2311  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Tgt Ion: 93 Resp: 76985  
 Ion Ratio Lower Upper  
 93 100  
 95 79.5 0.0 162.8  
 174 100.2 0.0 199.2





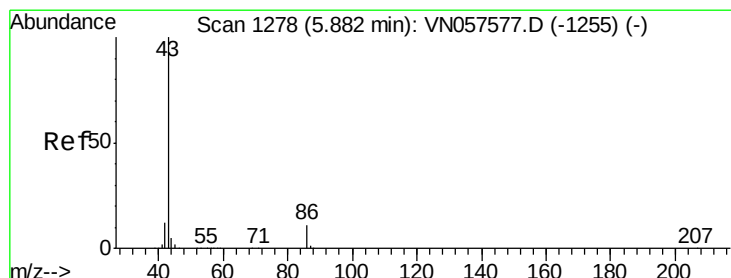
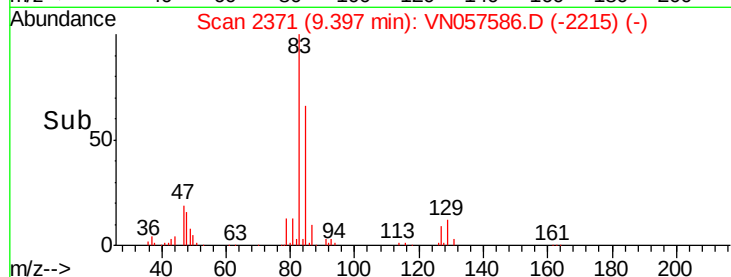
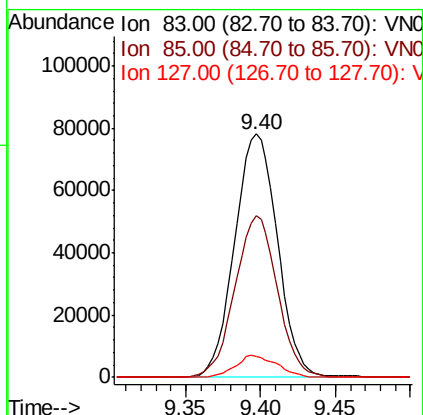
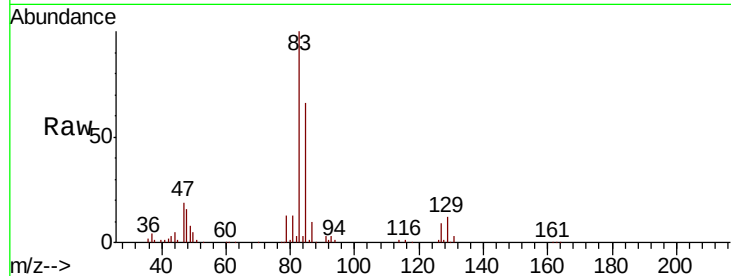
#41  
Bromodichloromethane  
Concen: 19.825 ug/l  
RT: 9.40 min Scan# 2371  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.9  | 50.3  | 75.5  |
| 127     | 8.7   | 7.4   | 11.2  |

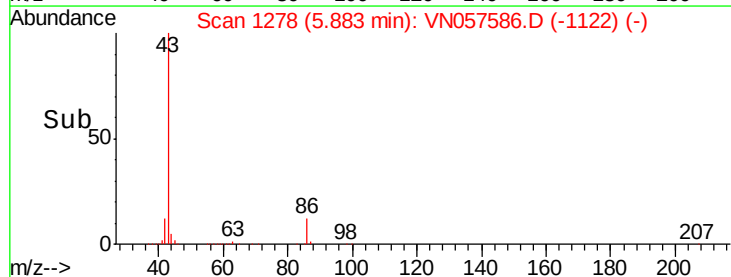
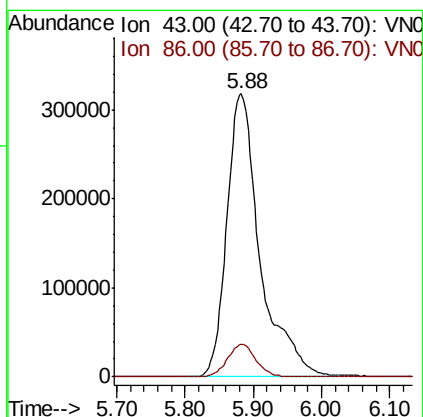
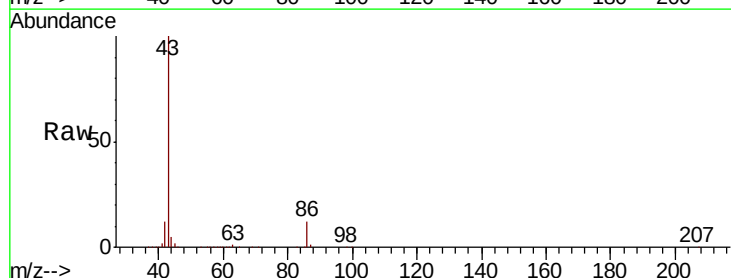
Manual Integrations  
APPROVED

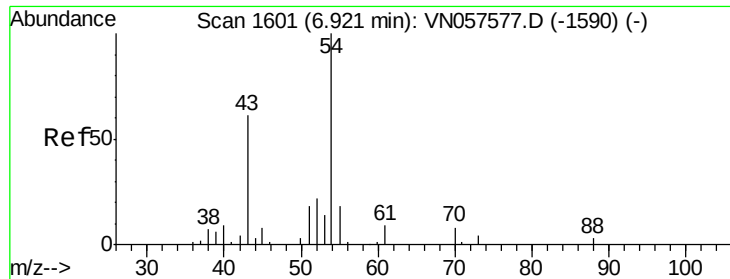
MMDadoda  
8/31/2019 10:01:08 AM



#42  
Vinyl Acetate  
Concen: 109.997 ug/l  
RT: 5.88 min Scan# 1278  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 86      | 9.9   | 8.1   | 12.1  |





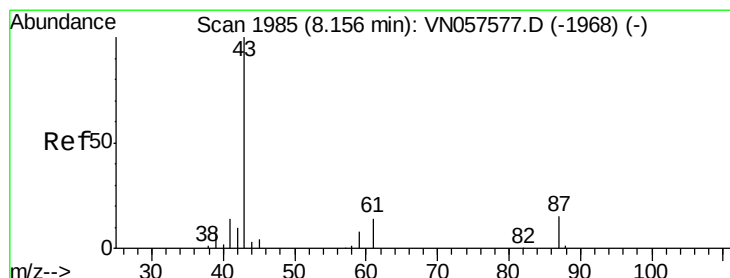
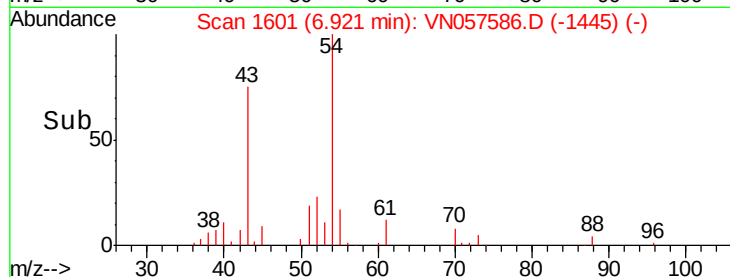
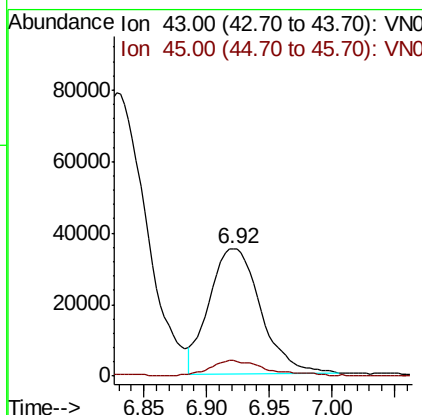
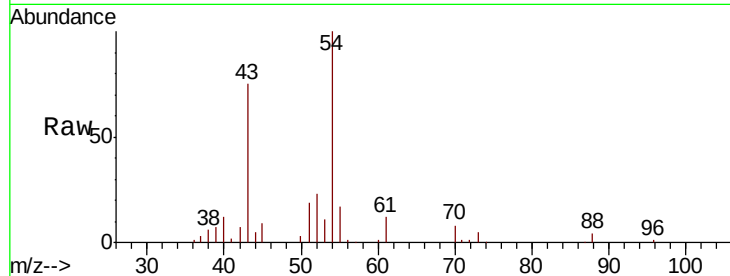
#43  
Ethyl Acetate  
Concen: 23.520 ug/l  
RT: 6.92 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

Tgt Ion: 43 Resp: 99770  
Ion Ratio Lower Upper  
43 100  
45 7.3 9.9 14.9#

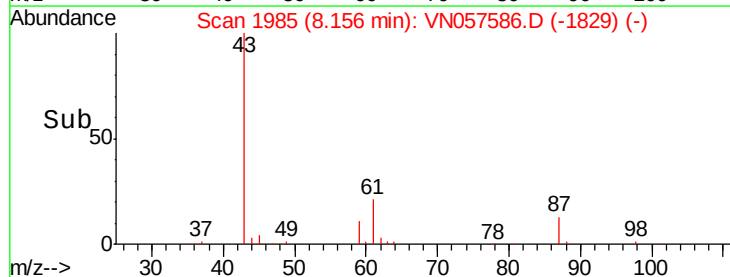
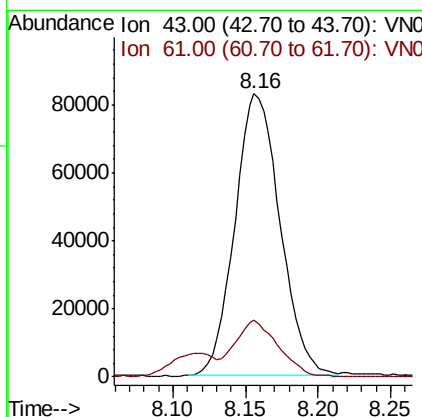
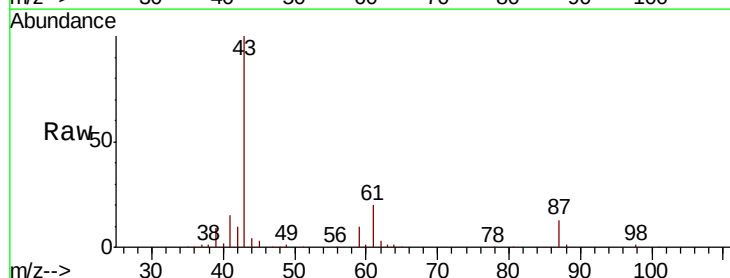
Manual Integrations  
APPROVED

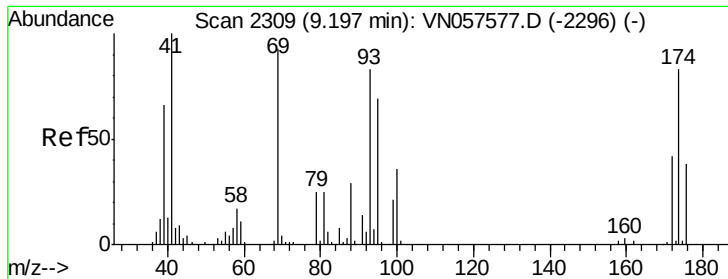
MMDadoda  
8/31/2019 10:01:08 AM



#44  
Isopropyl Acetate  
Concen: 21.169 ug/l  
RT: 8.16 min Scan# 1985  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Tgt Ion: 43 Resp: 179631  
Ion Ratio Lower Upper  
43 100  
61 19.7 16.0 24.0





#45

1,4-Dioxane

Concen: 415.004 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

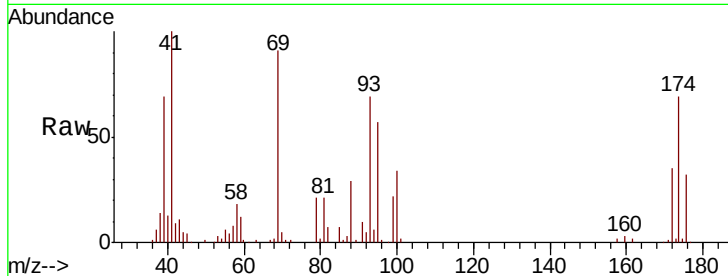
ClientSampleId :

VN0830WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 30321 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 31.8  | 18.2  | 27.4# |
| 58       | 60.6  | 45.0  | 67.6  |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM

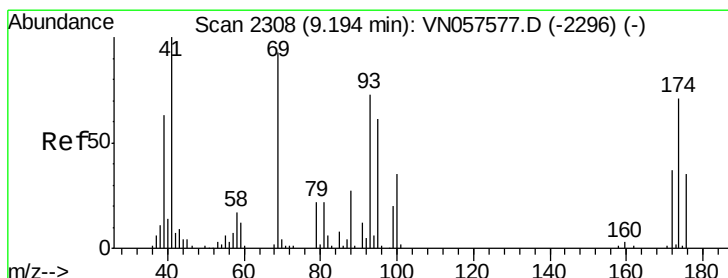
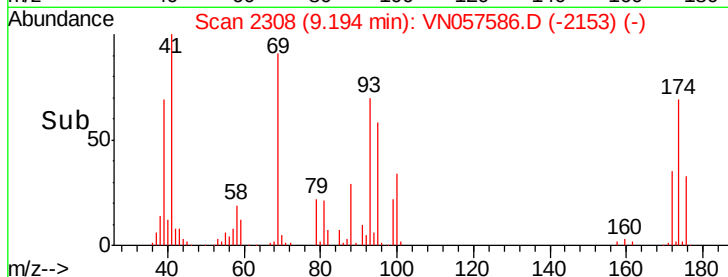
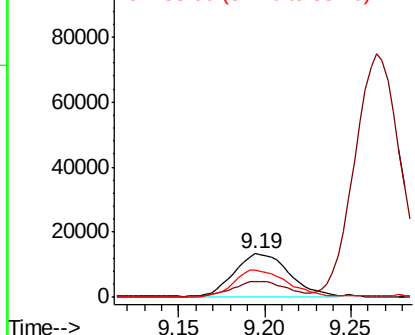


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 21.187 ug/l

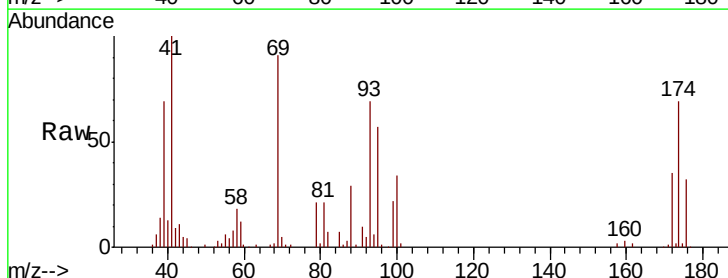
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 83384 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.2  | 46.4  | 139.1 |
| 39       | 68.0  | 31.6  | 94.8  |

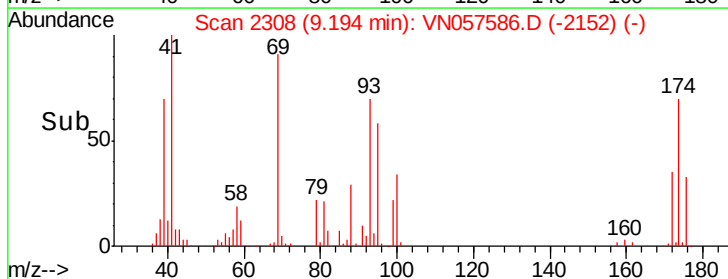
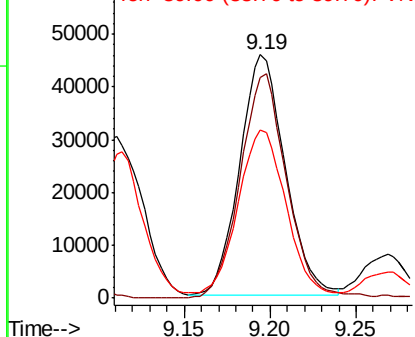


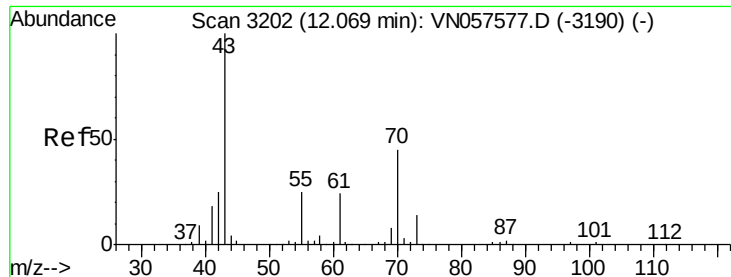
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 20.266 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD01

Tgt Ion: 43 Resp: 142365

Ion Ratio Lower Upper

43 100

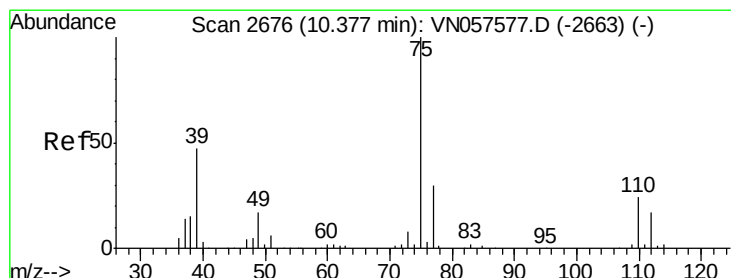
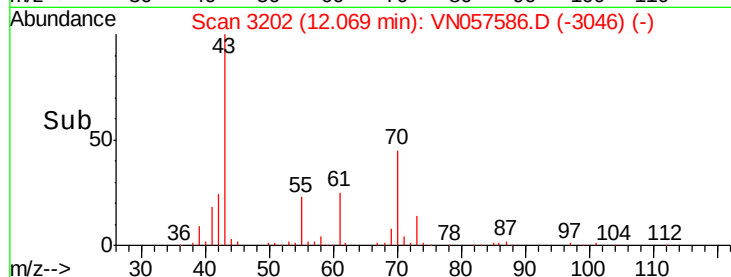
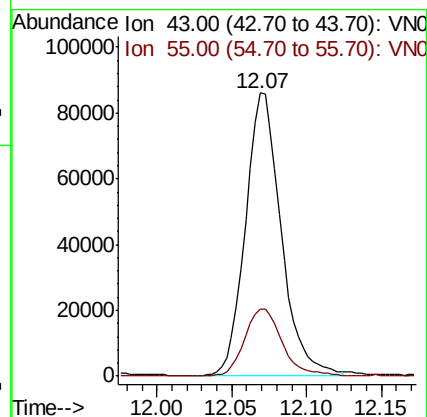
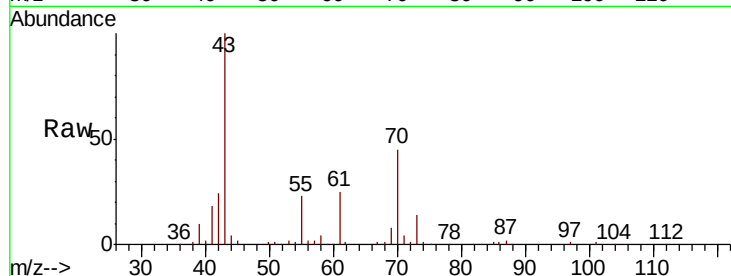
55 25.2 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

8/31/2019 10:01:08 AM



#48

t-1,3-Dichloropropene

Concen: 18.348 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057586.D

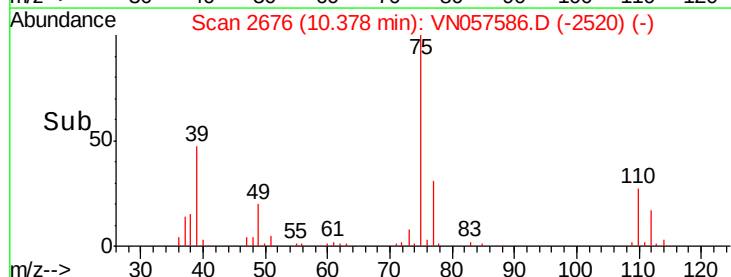
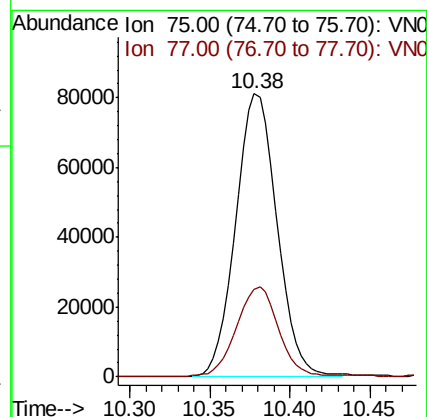
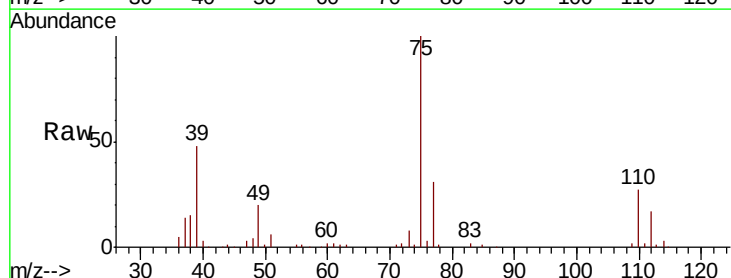
Acq: 30 Aug 2019 13:53

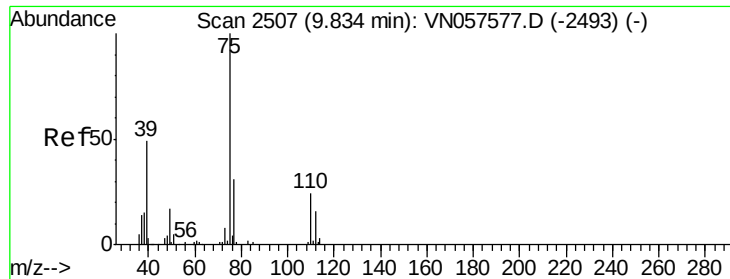
Tgt Ion: 75 Resp: 142912

Ion Ratio Lower Upper

75 100

77 30.5 23.8 35.6





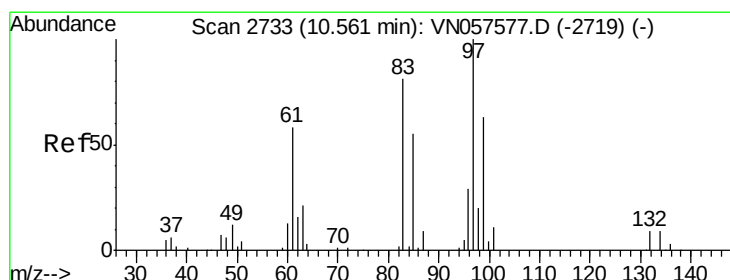
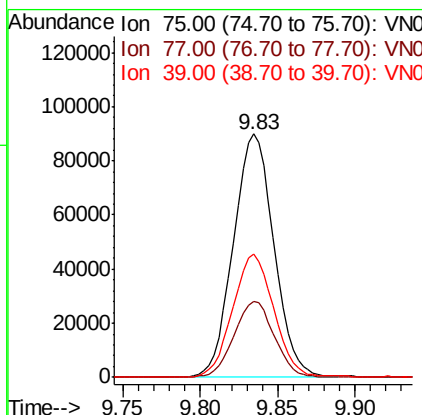
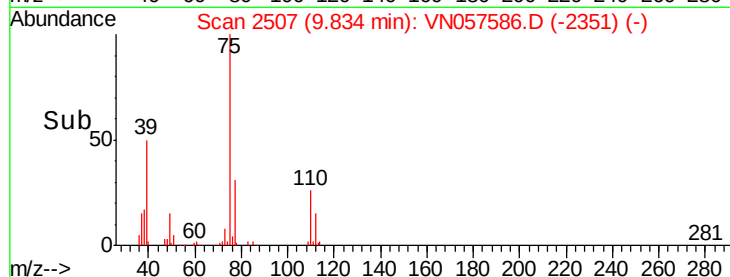
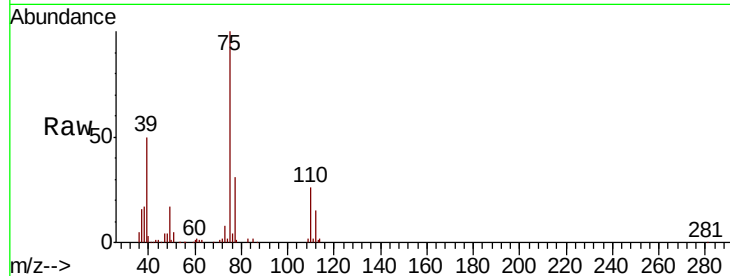
#49  
 cis-1,3-Dichloropropene  
 Concen: 19.498 ug/l  
 RT: 9.83 min Scan# 2507  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 25.0  | 37.4  |
| 39      | 50.1  | 39.0  | 58.4  |

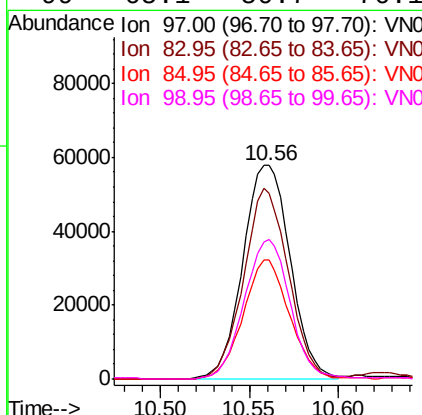
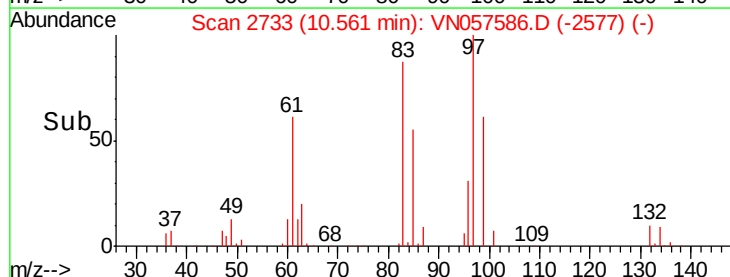
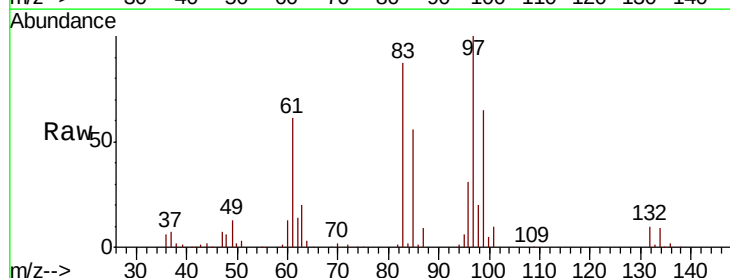
Manual Integrations  
 APPROVED

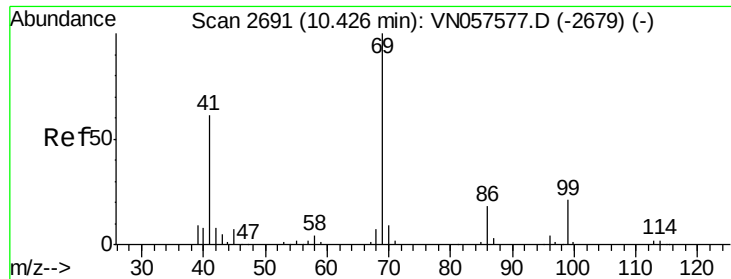
MMDadoda  
 8/31/2019 10:01:08 AM



#50  
 1,1,2-Trichloroethane  
 Concen: 19.657 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 86.7  | 65.1  | 97.7  |
| 85      | 55.9  | 43.7  | 65.5  |
| 99      | 65.1  | 50.7  | 76.1  |





#51

Ethyl methacrylate

Concen: 19.935 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampled :

VN0830WBSD01

Tgt Ion: 69 Resp: 141836  
Ion Ratio Lower Upper

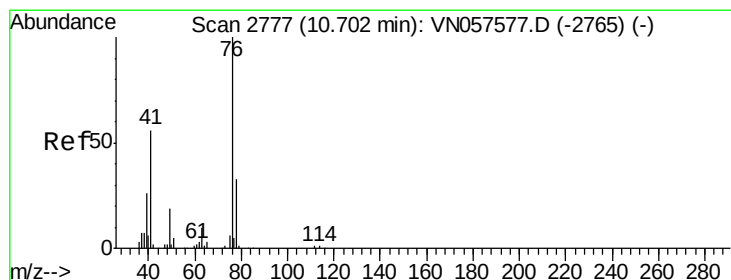
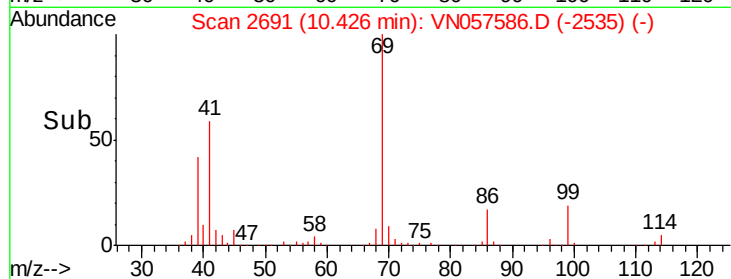
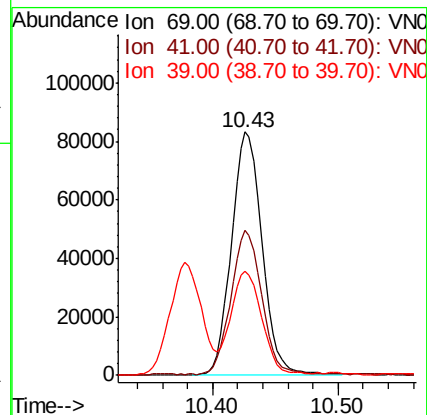
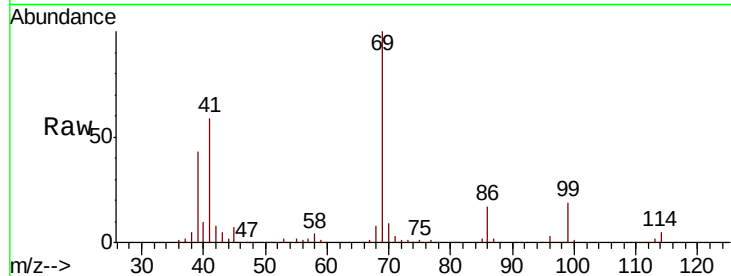
69 100

41 58.6 30.6 92.0

39 42.1 22.3 66.9

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



#52

1,3-Dichloropropane

Concen: 20.177 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

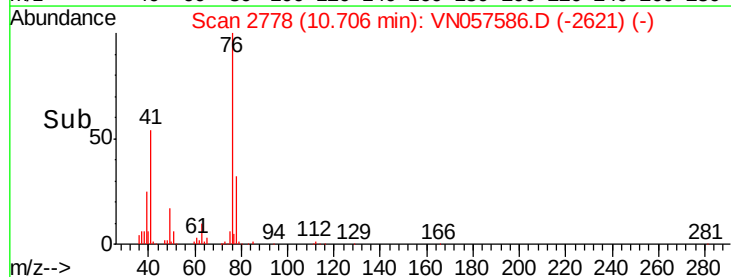
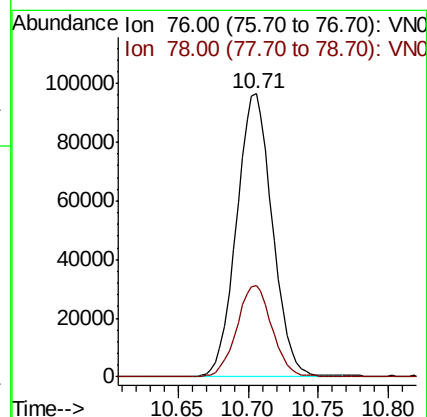
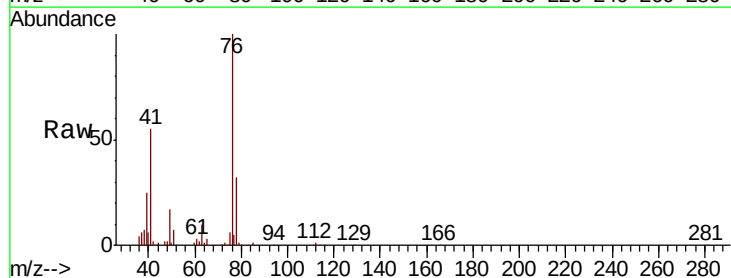
Lab File: VN057586.D

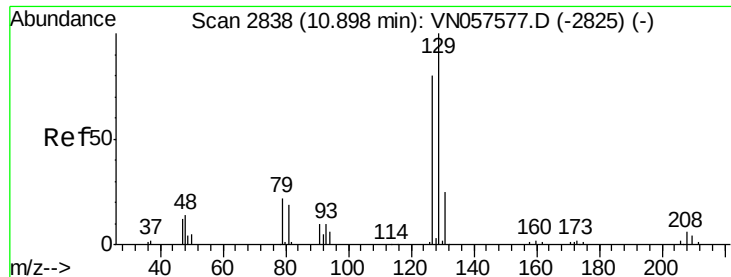
Acq: 30 Aug 2019 13:53

Tgt Ion: 76 Resp: 171863  
Ion Ratio Lower Upper

76 100

78 31.6 0.0 67.0





#53

Dibromochloromethane

Concen: 18.152 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampled :

VN0830WBSD01

Tgt Ion:129 Resp: 111720

Ion Ratio Lower Upper

129 100

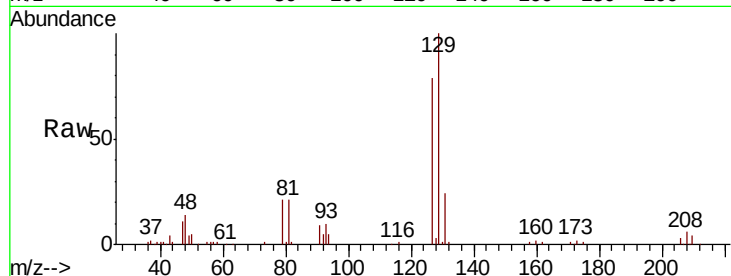
127 78.9 38.9 116.7

Manual Integrations

APPROVED

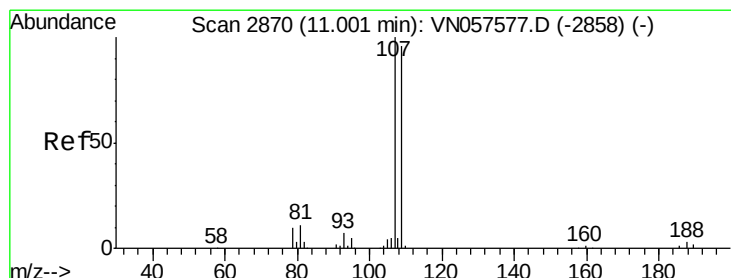
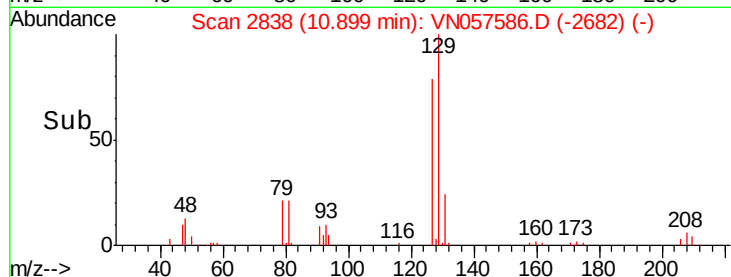
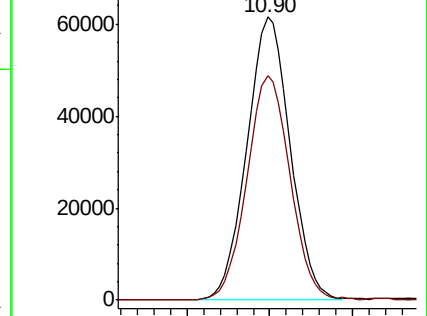
MMDadoda

8/31/2019 10:01:08 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.749 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057586.D

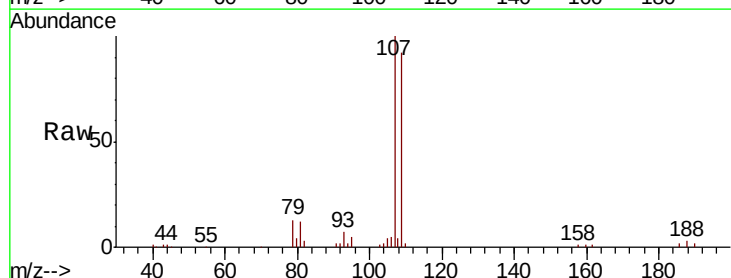
Acq: 30 Aug 2019 13:53

Tgt Ion:107 Resp: 111898

Ion Ratio Lower Upper

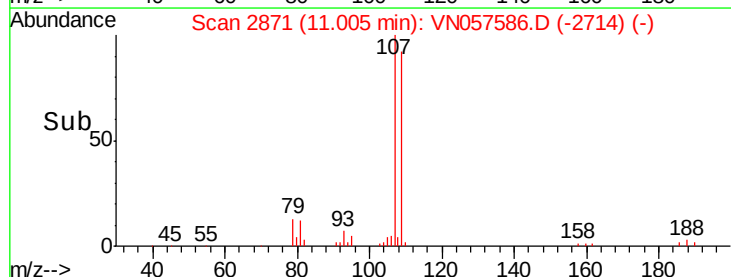
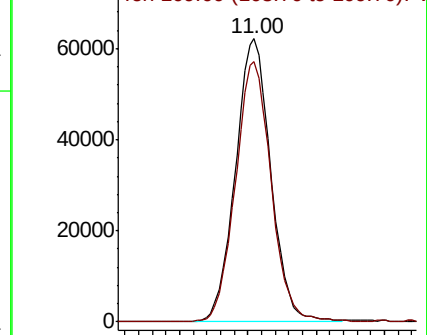
107 100

109 92.9 75.2 112.8

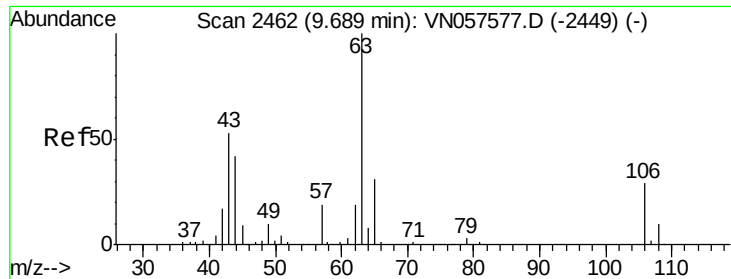


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V







#55

2-Chloroethyl vinyl ether

Concen: 93.685 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

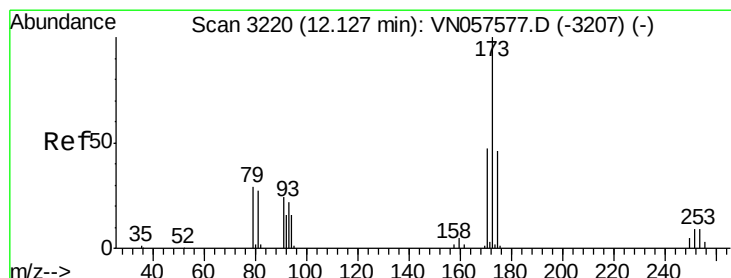
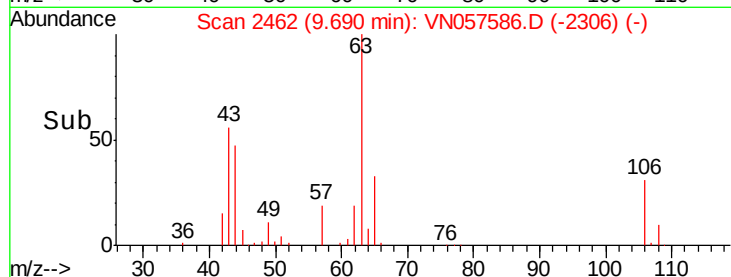
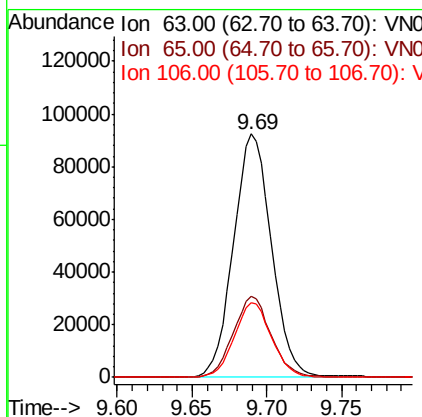
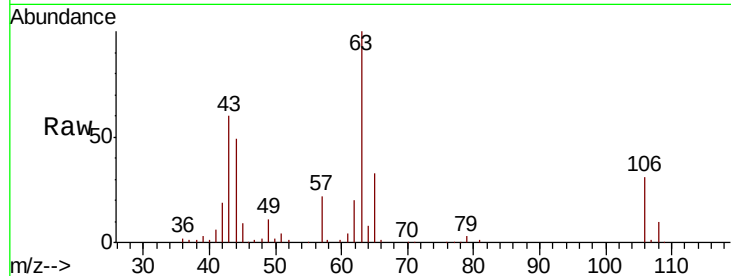
ClientSampleId :

VN0830WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 63    | Resp: | 163607 |
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 65        | 33.0  | 25.0  | 37.4   |
| 106       | 30.1  | 23.7  | 35.5   |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



#56

Bromoform

Concen: 17.504 ug/l

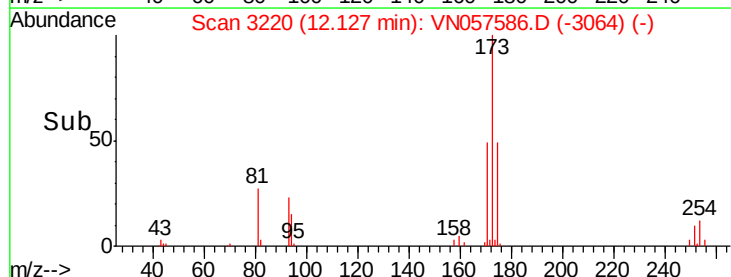
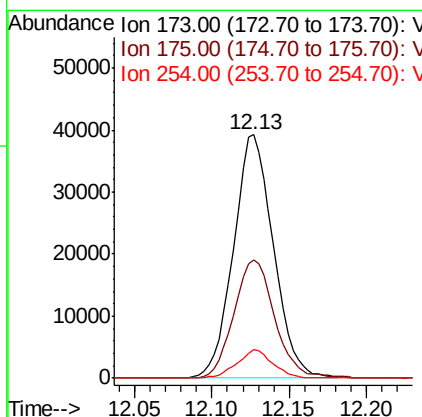
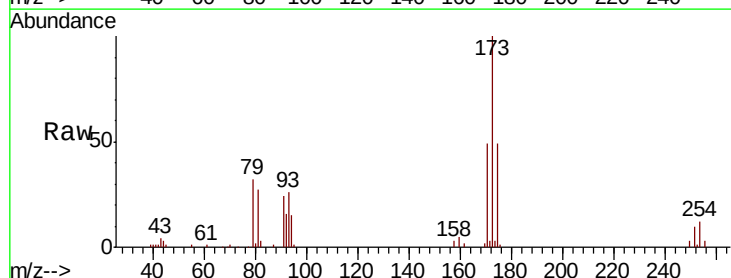
RT: 12.13 min Scan# 3220

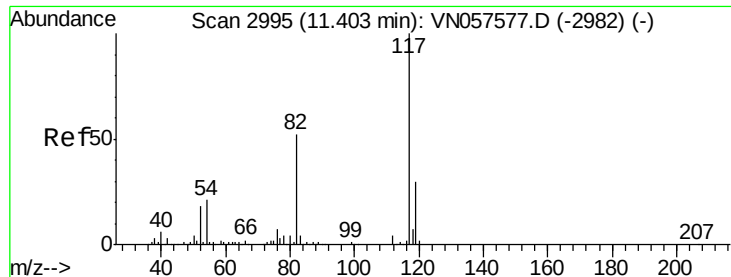
Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 70450 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.2  | 37.3  | 55.9  |
| 254       | 10.4  | 2.2   | 3.2#  |





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

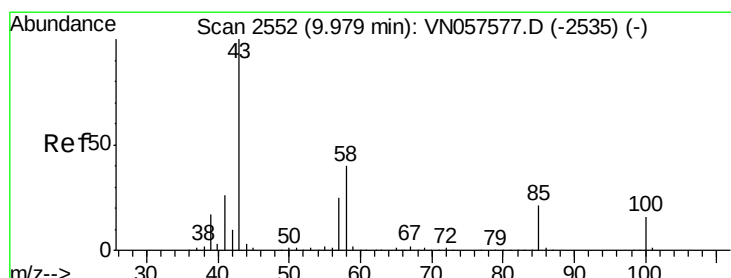
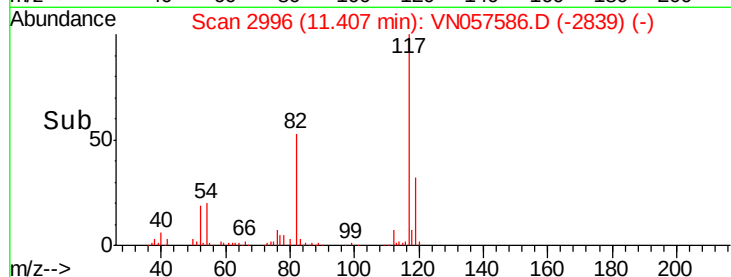
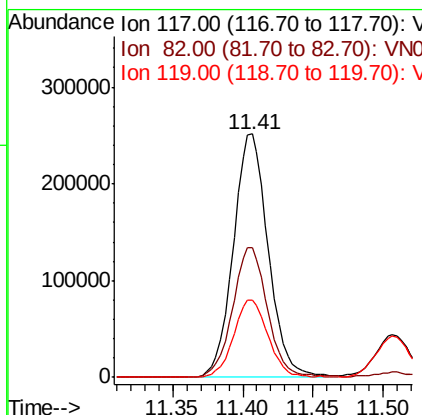
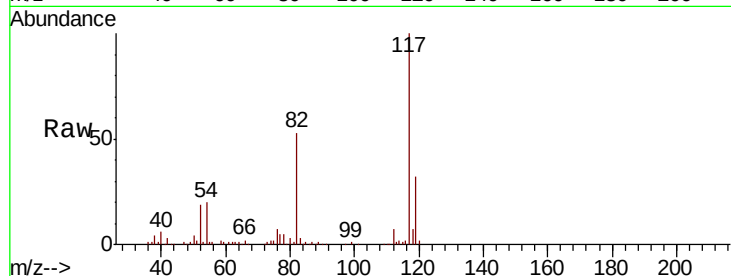
ClientSampleId :

VN0830WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 436023 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 53.2  | 42.6  | 63.8   |
| 119      | 31.3  | 25.0  | 37.6   |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



#58

4-Methyl-2-Pentanone

Concen: 118.935 ug/l

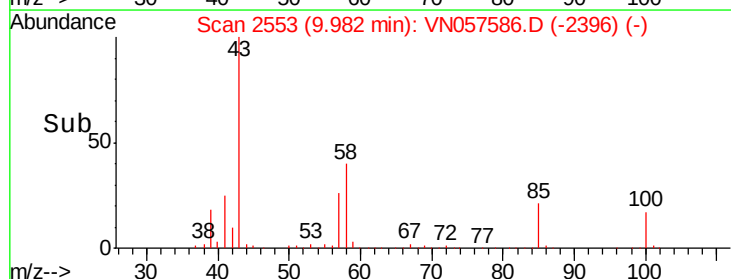
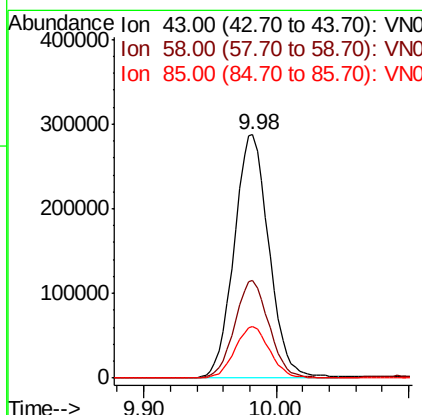
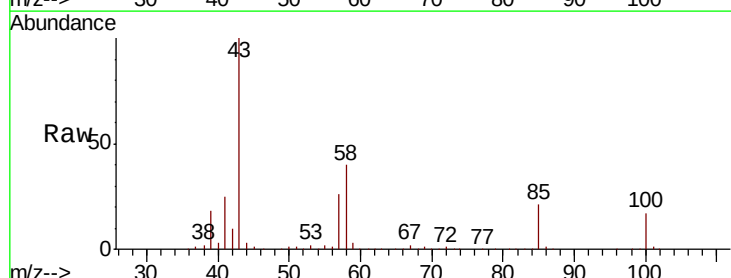
RT: 9.98 min Scan# 2553

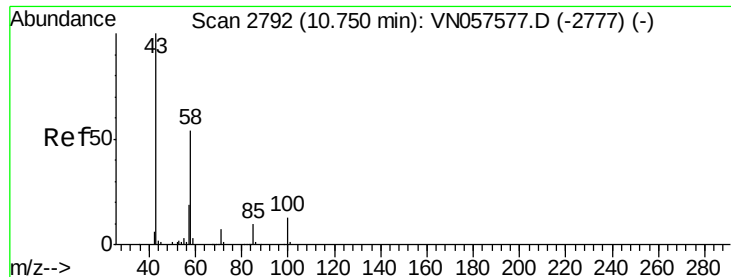
Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 524029 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 39.6  | 32.1  | 48.1   |
| 85       | 21.1  | 16.6  | 24.8   |





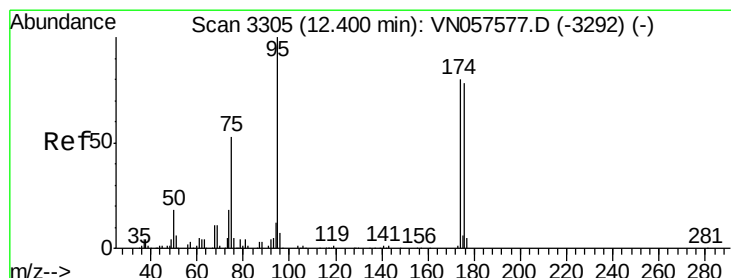
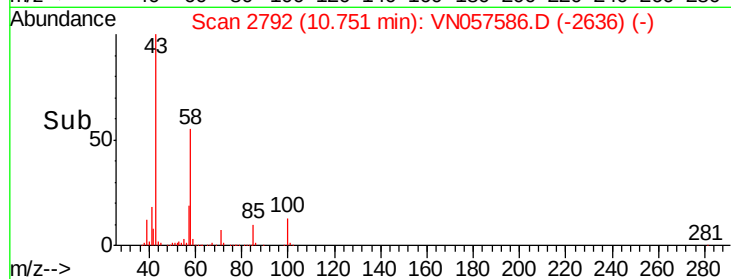
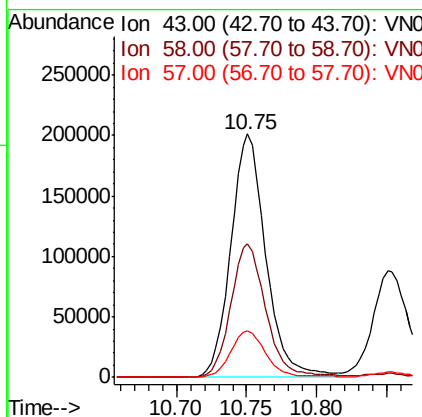
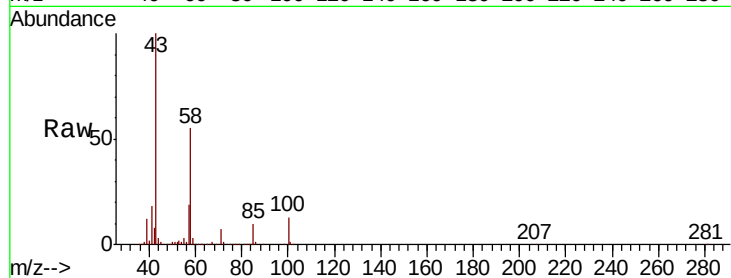
#59  
2-Hexanone  
Concen: 111.586 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 55.6  | 42.9  | 64.3  |
| 57      | 19.2  | 15.4  | 23.2  |

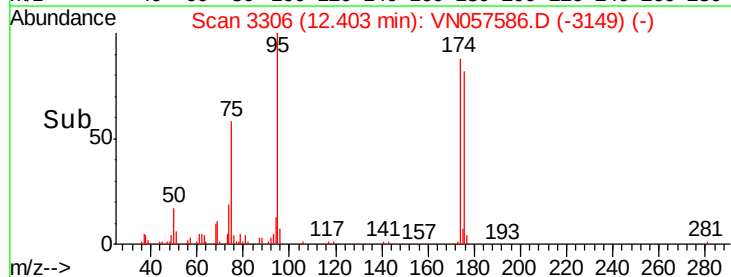
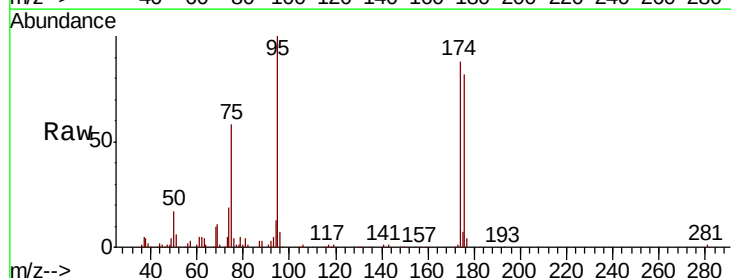
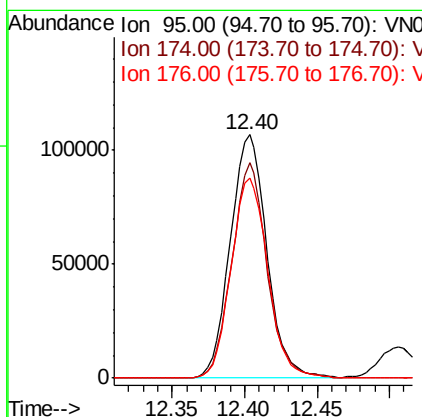
Manual Integrations  
APPROVED

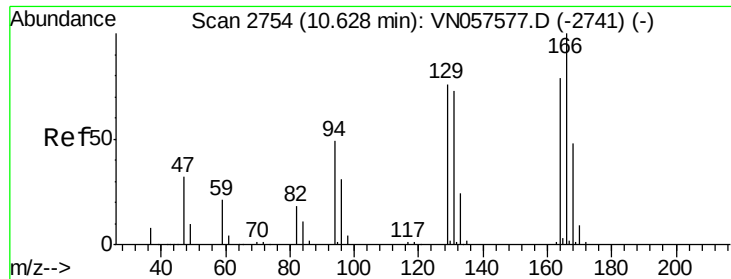
MMDadoda  
8/31/2019 10:01:08 AM



#60  
4-Bromofluorobenzene  
Concen: 28.255 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 85.3  | 66.2  | 99.2  |
| 176     | 82.5  | 65.0  | 97.6  |





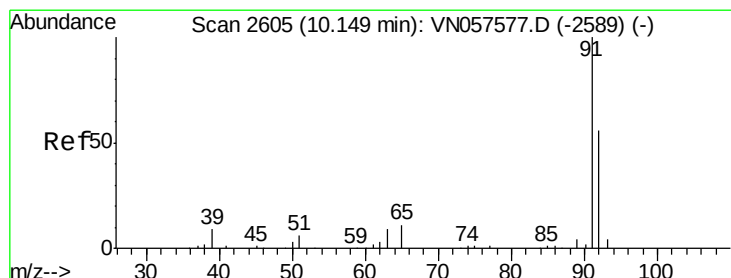
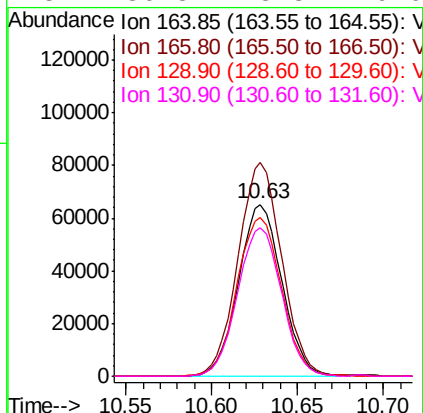
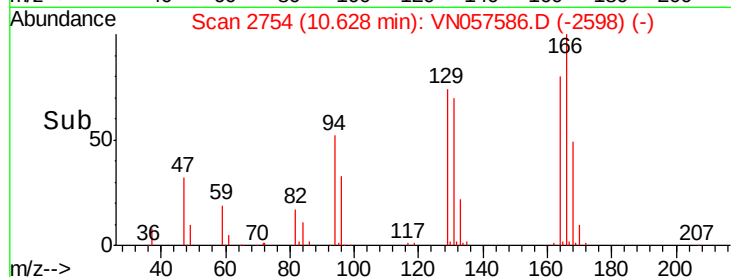
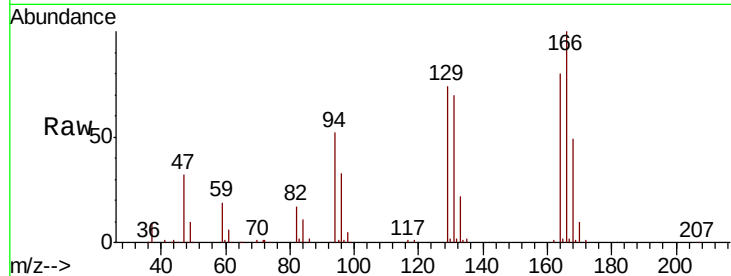
#61  
Tetrachloroethene  
Concen: 20.558 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 124.5 | 100.7 | 151.1 |
| 129     | 91.8  | 76.3  | 114.5 |
| 131     | 86.3  | 73.8  | 110.6 |

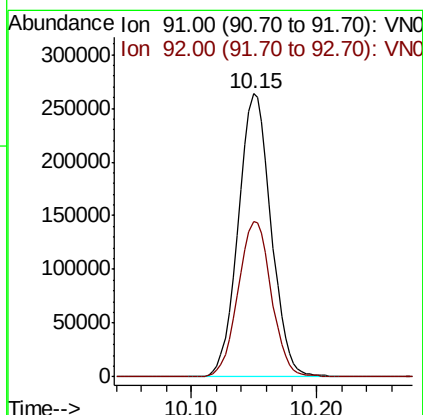
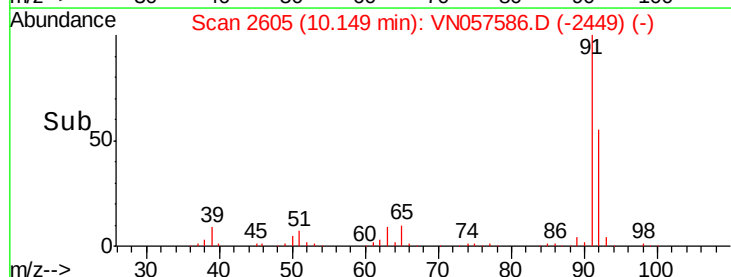
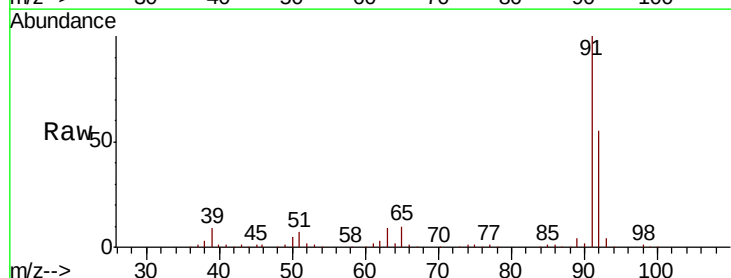
Manual Integrations  
APPROVED

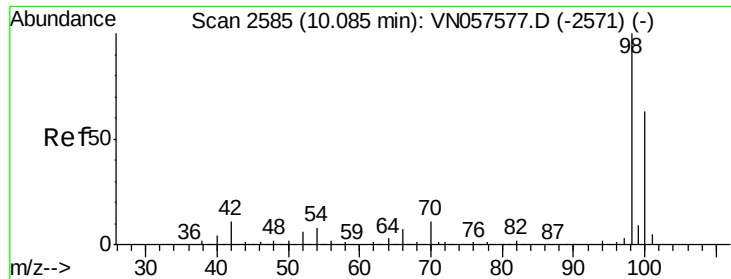
MMDadoda  
8/31/2019 10:01:08 AM



#62  
Toluene  
Concen: 21.626 ug/l  
RT: 10.15 min Scan# 2605  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 55.7  | 45.4  | 68.2  |





#63

Toluene-d8

Concen: 30.350 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD01

Tgt Ion: 98 Resp: 612841

Ion Ratio Lower Upper

98 100

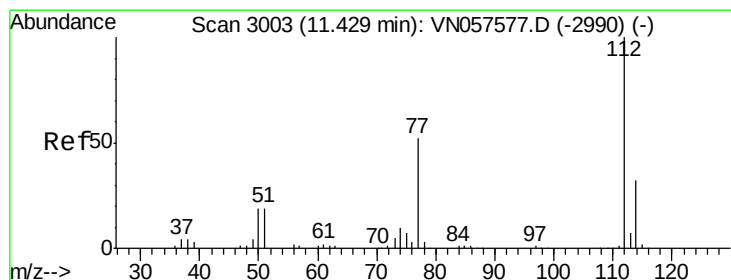
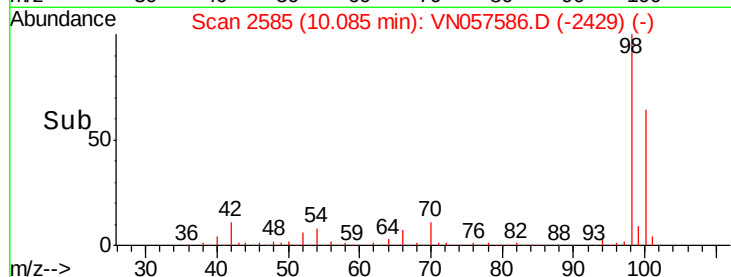
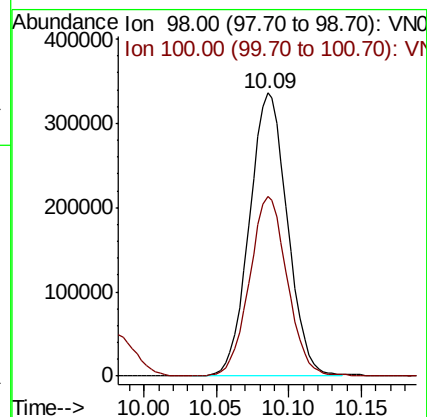
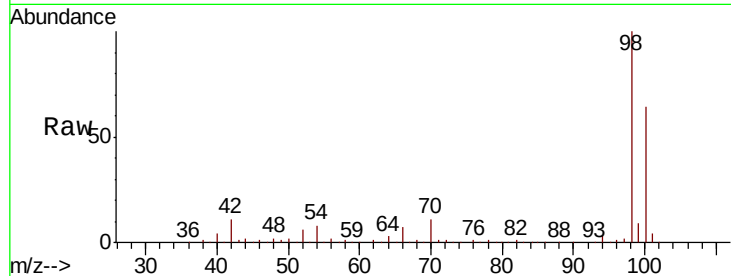
100 62.9 50.2 75.2

Manual Integrations

APPROVED

MMDadoda

8/31/2019 10:01:08 AM



#64

Chlorobenzene

Concen: 19.992 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057586.D

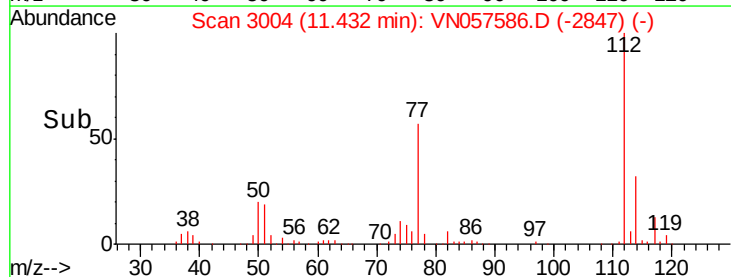
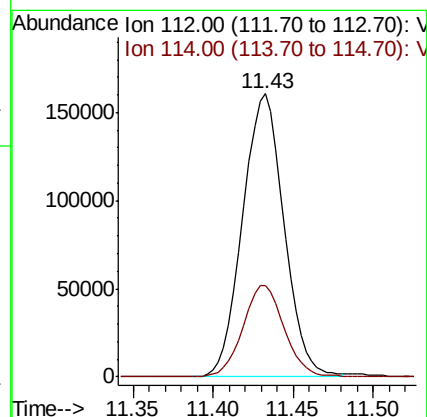
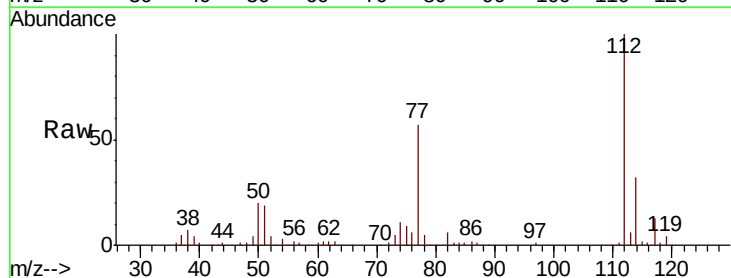
Acq: 30 Aug 2019 13:53

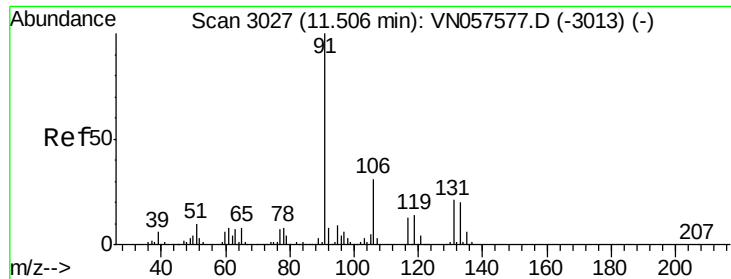
Tgt Ion: 112 Resp: 284634

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.641 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

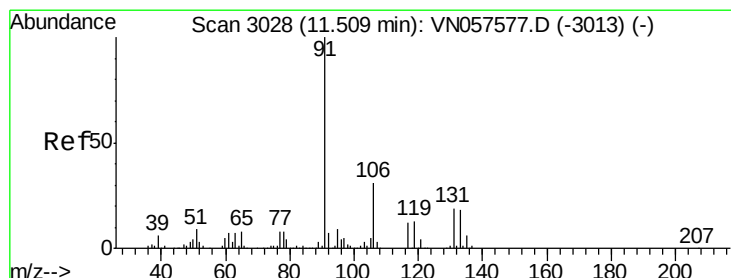
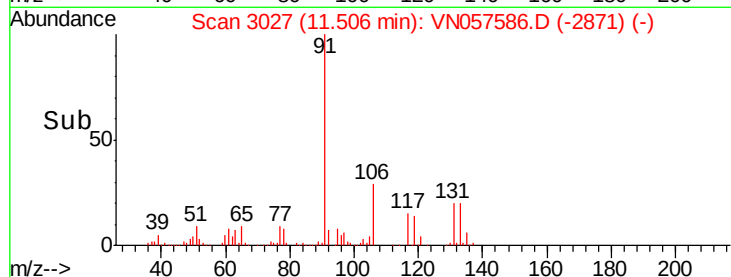
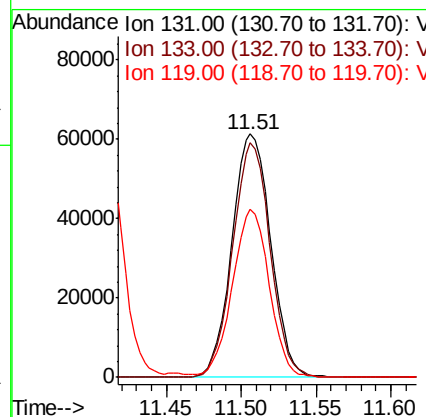
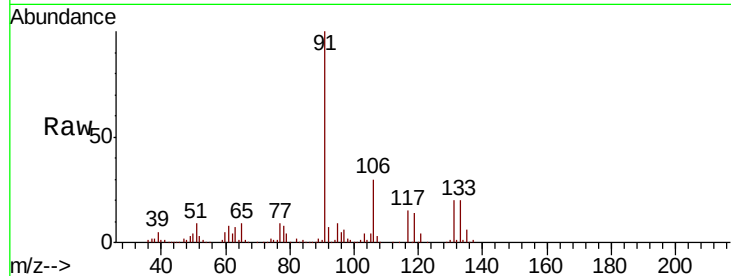
ClientSampleId :

VN0830WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 131   | Resp: | 110972 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 93.2  | 0.0   | 186.0  |
| 119       | 65.3  | 0.0   | 134.6  |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



#66

Ethyl Benzene

Concen: 21.804 ug/l

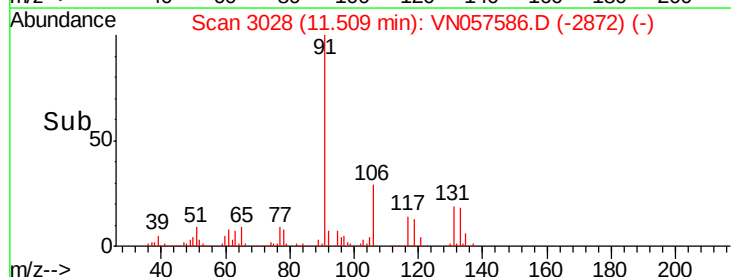
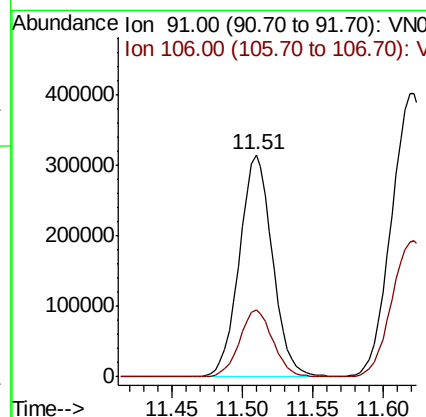
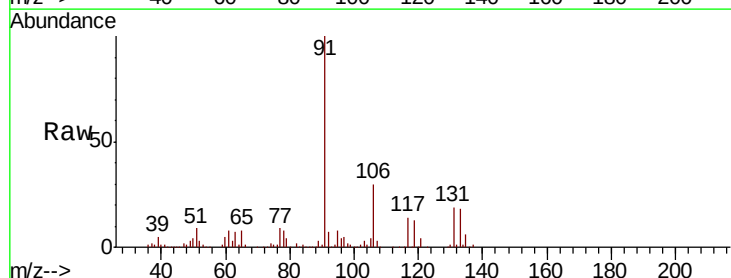
RT: 11.51 min Scan# 3028

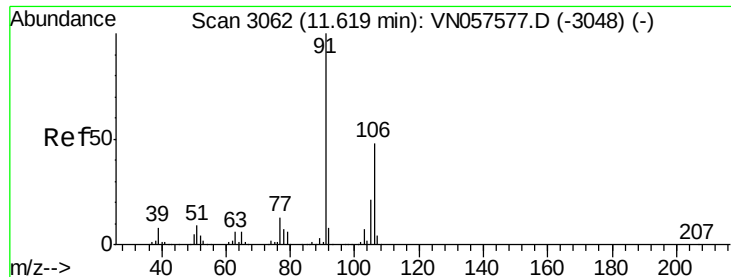
Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 518616 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 30.2  | 24.7  | 37.1   |





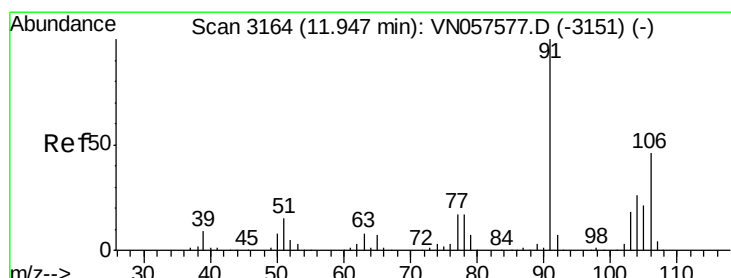
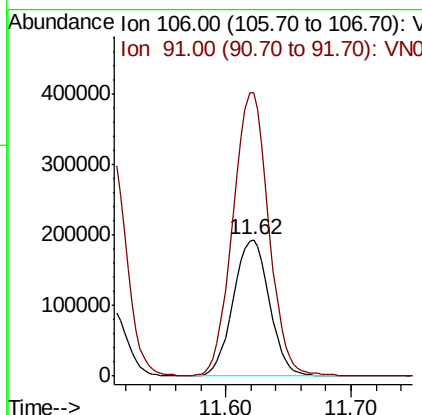
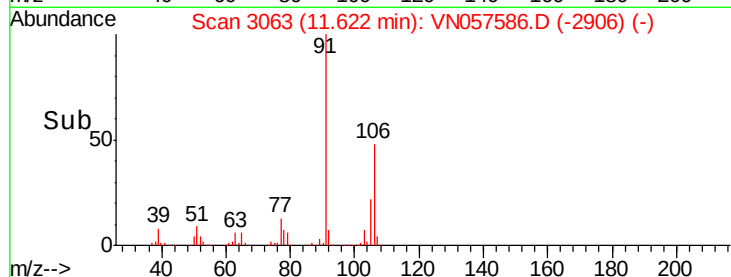
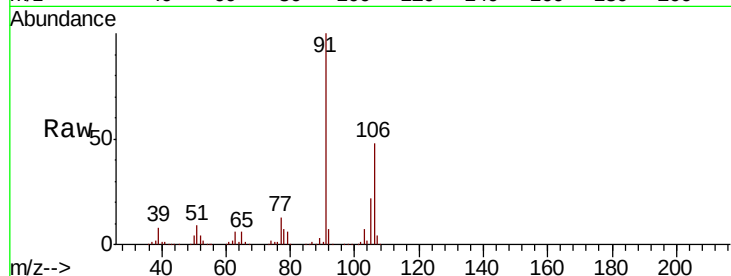
#67  
m/p-Xylenes  
Concen: 40.610 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

Tgt Ion:106 Resp: 386455  
Ion Ratio Lower Upper  
106 100  
91 206.1 164.1 246.1

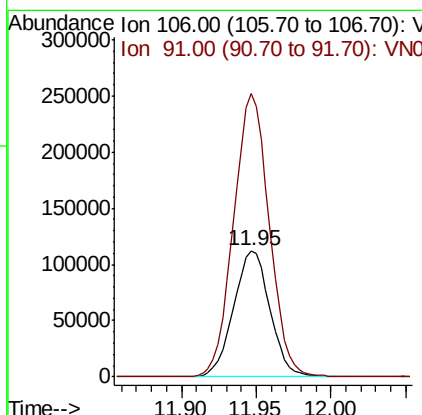
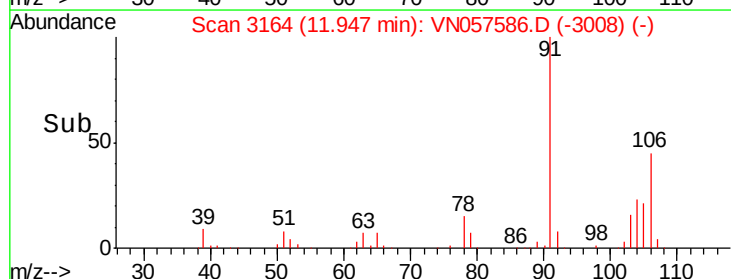
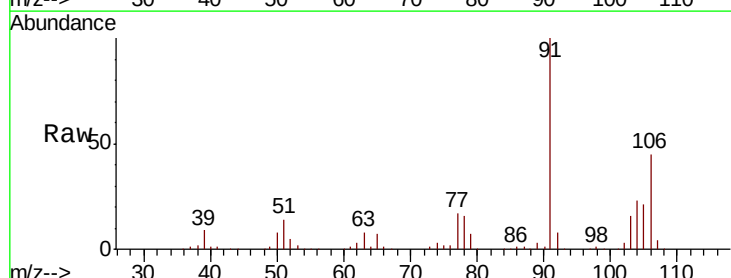
Manual Integrations  
APPROVED

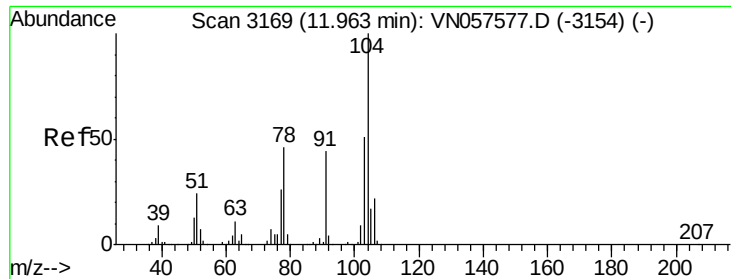
MMDadoda  
8/31/2019 10:01:08 AM



#68  
o-Xylene  
Concen: 19.910 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Tgt Ion:106 Resp: 190361  
Ion Ratio Lower Upper  
106 100  
91 220.1 107.8 323.6





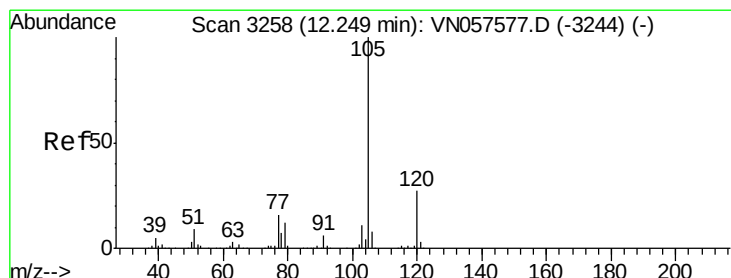
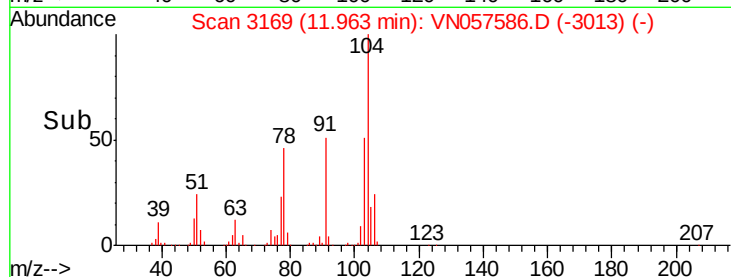
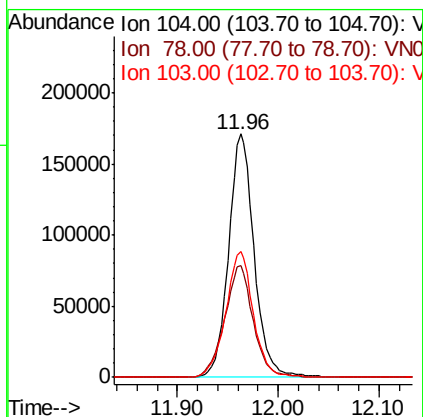
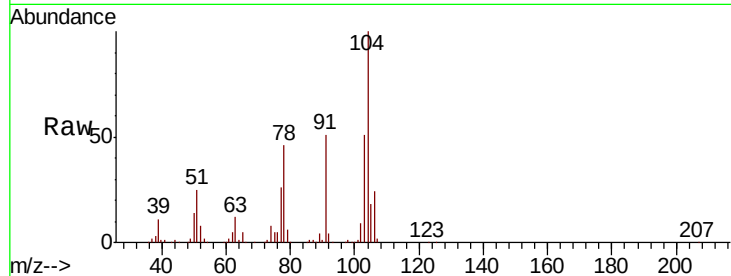
#69  
**Styrene**  
 Concen: 19.907 ug/l  
 RT: 11.96 min Scan# 3169  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 51.4  | 41.4  | 62.0  |
| 103     | 56.0  | 44.8  | 67.2  |

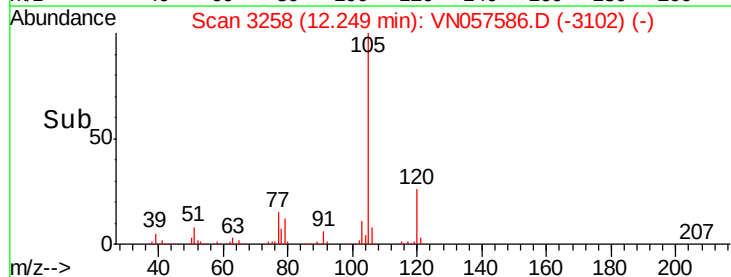
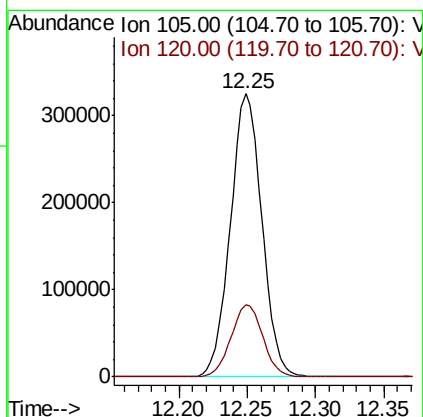
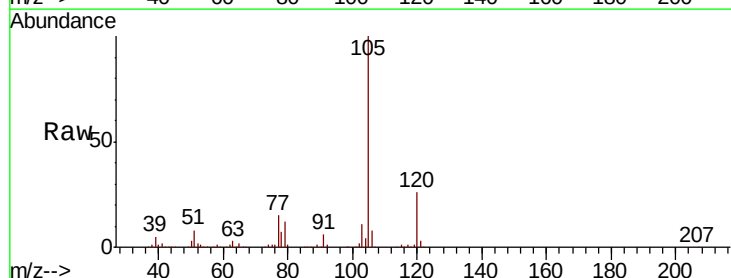
Manual Integrations  
**APPROVED**

MMDadoda  
 8/31/2019 10:01:08 AM

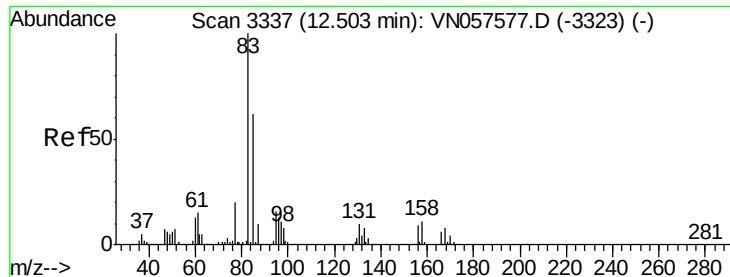


#70  
**Isopropylbenzene**  
 Concen: 21.781 ug/l  
 RT: 12.25 min Scan# 3258  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 25.7  | 18.7  | 34.7  |







#71

1,1,2,2-Tetrachloroethane

Concen: 21.075 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD01

Tgt Ion: 83 Resp: 134357  
Ion Ratio Lower Upper

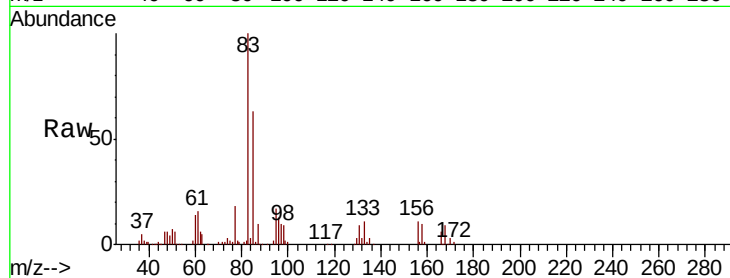
83 100

131 10.1 5.2 15.6

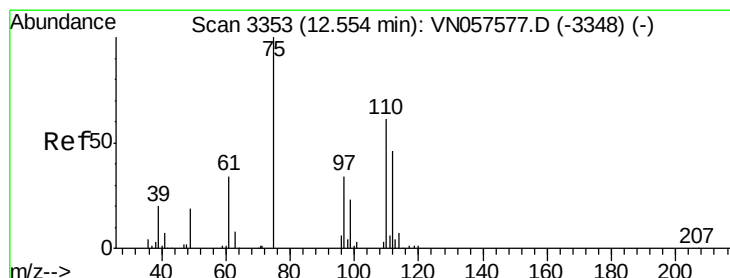
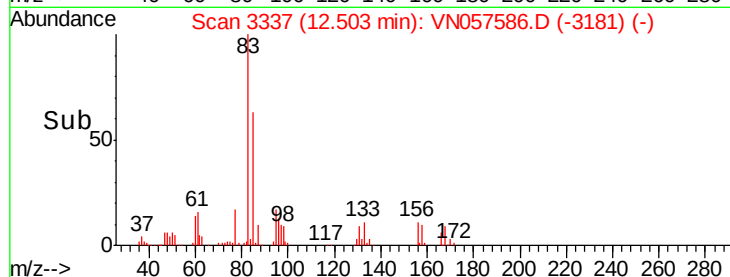
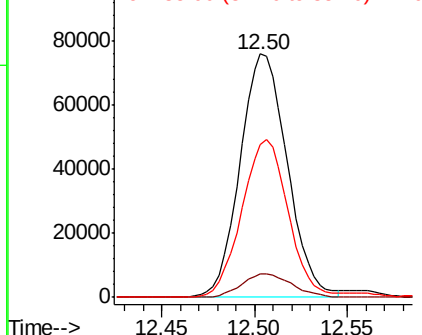
85 63.5 31.6 94.8

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 131.00 (130.70 to 131.70): V  
Ion 85.00 (84.70 to 85.70): VN



#72

1,2,3-Trichloropropane

Concen: 22.153 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

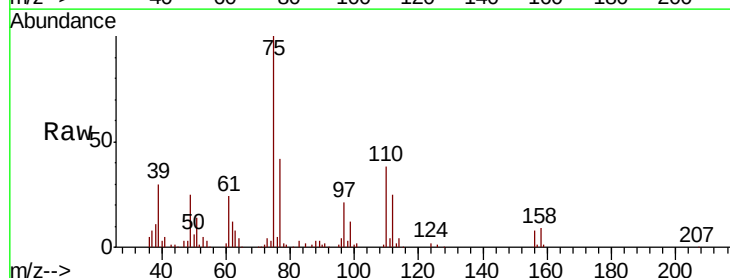
Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

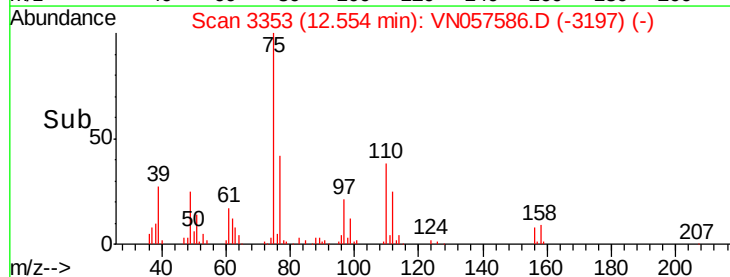
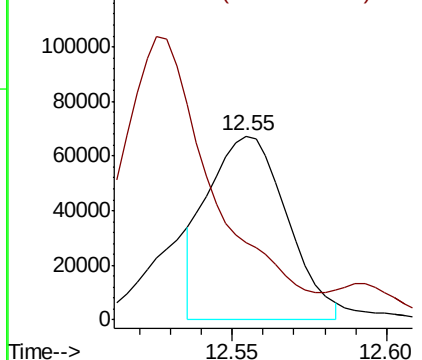
Tgt Ion: 75 Resp: 119890  
Ion Ratio Lower Upper

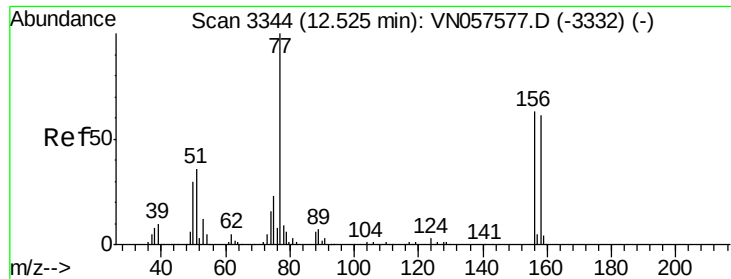
75 100

77 184.8 0.0 399.2



Abundance Ion 75.00 (74.70 to 75.70): VN0  
Ion 77.00 (76.70 to 77.70): VN





#73

Bromobenzene

Concen: 19.510 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

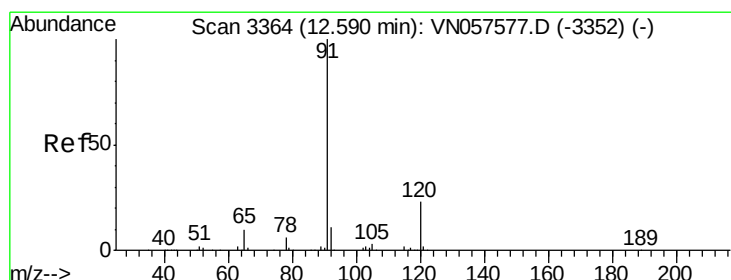
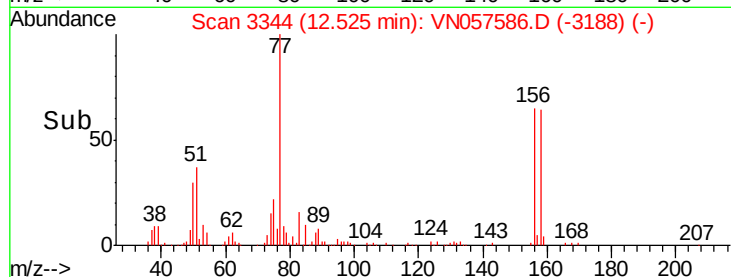
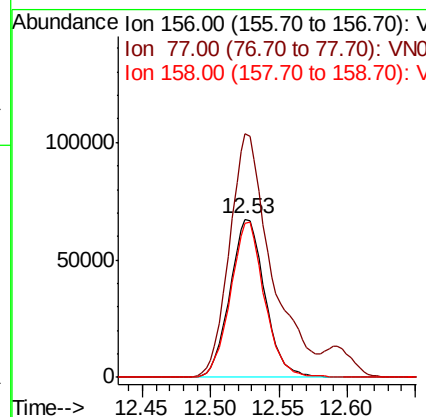
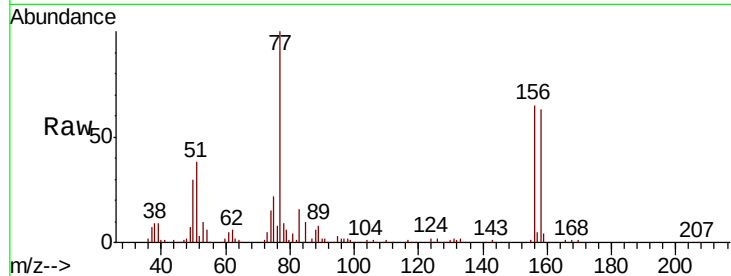
ClientSampled :

VN0830WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 156   | Resp: | 119535 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 185.3 | 0.0   | 374.6  |
| 158       | 95.6  | 0.0   | 197.4  |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



#74

n-propylbenzene

Concen: 21.925 ug/l

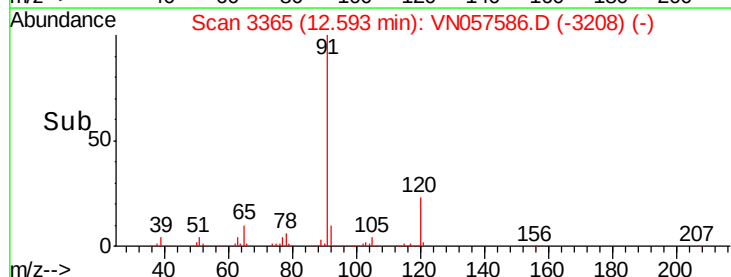
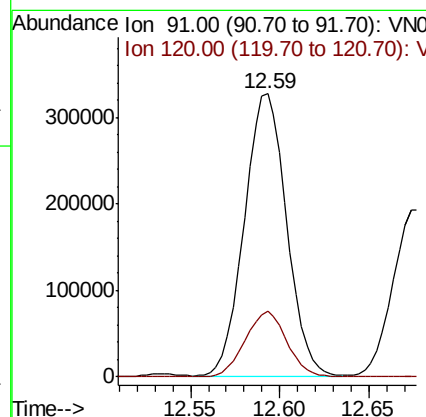
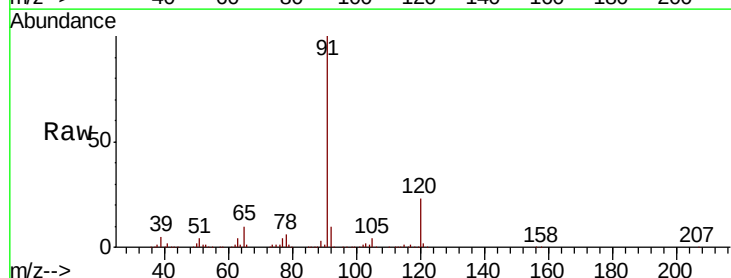
RT: 12.59 min Scan# 3365

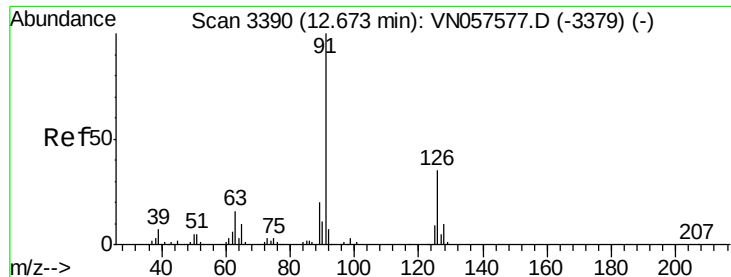
Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 541702 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.8  | 0.0   | 46.6   |





#75

2-Chlorotoluene

Concen: 20.285 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0830WBSD01

Tgt Ion: 91 Resp: 323723

Ion Ratio Lower Upper

91 100

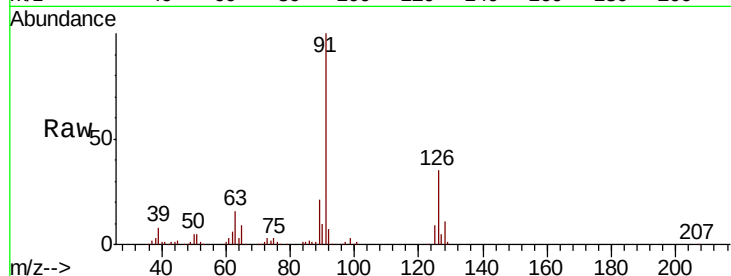
126 35.2 0.0 70.4

Manual Integrations

APPROVED

MMDadoda

8/31/2019 10:01:08 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057577.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057577.D (-3379) (-)

300000

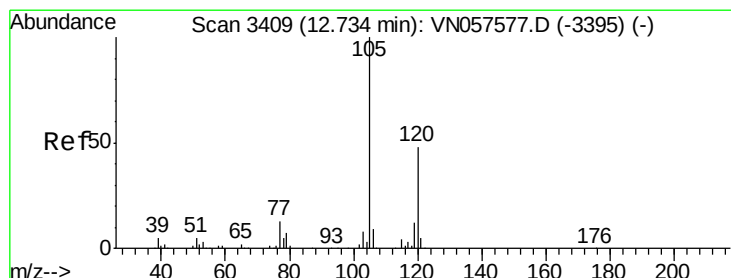
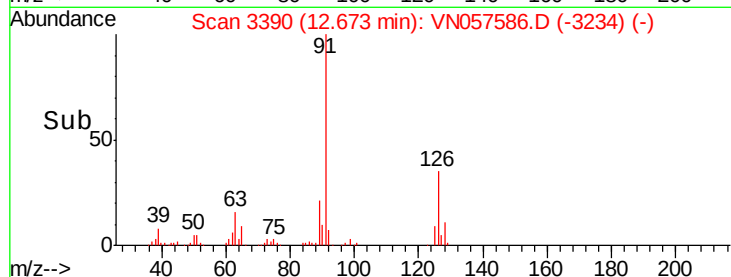
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 21.347 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057586.D

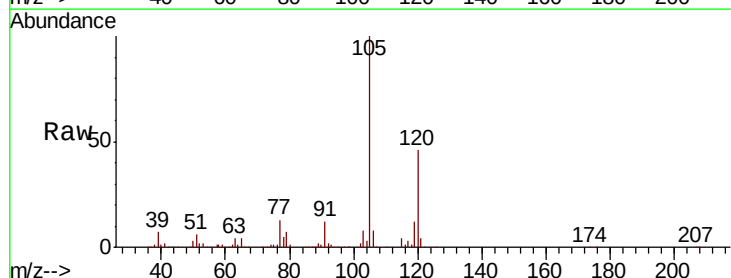
Acq: 30 Aug 2019 13:53

Tgt Ion: 105 Resp: 432972

Ion Ratio Lower Upper

105 100

120 47.1 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN057577.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN057577.D (-3395) (-)

300000

250000

200000

150000

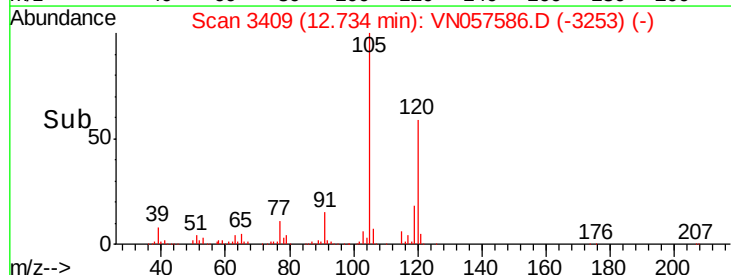
100000

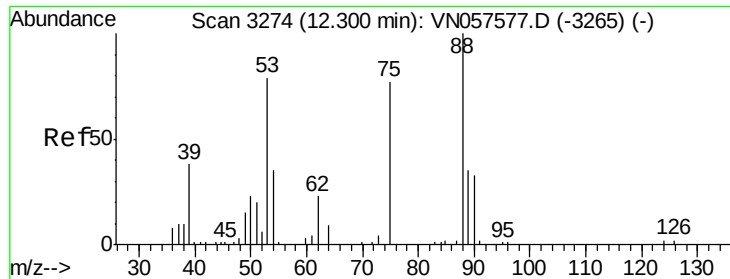
50000

0

12.70 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.925 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

ClientSampled :

VN0830WBSD01

Tgt Ion: 75 Resp: 30725  
Ion Ratio Lower Upper

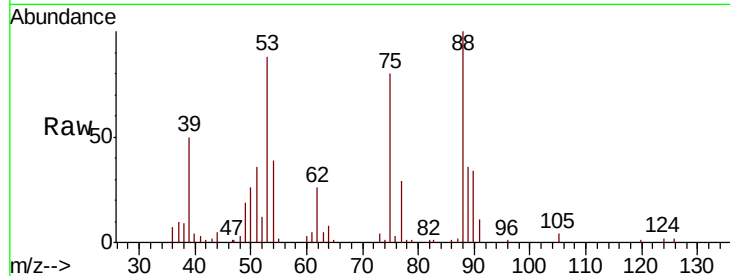
75 100

53 109.6 52.8 158.4

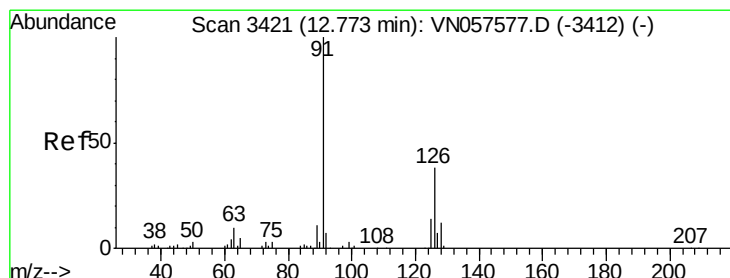
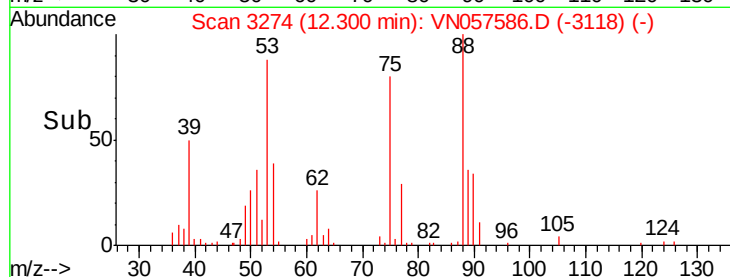
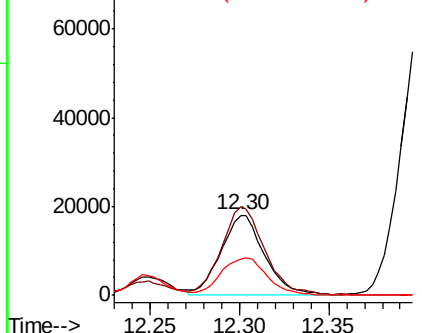
89 45.3 23.2 69.5

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



Abundance Ion 75.00 (74.70 to 75.70): VN0  
Ion 53.00 (52.70 to 53.70): VN0  
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.666 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

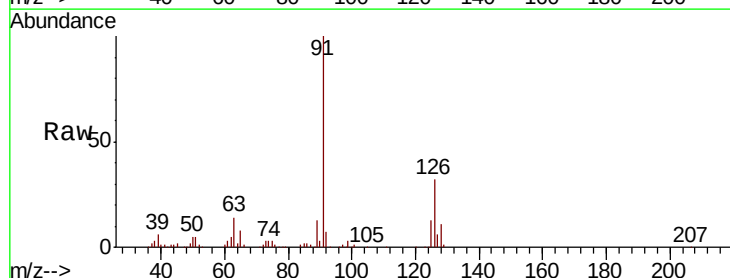
Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

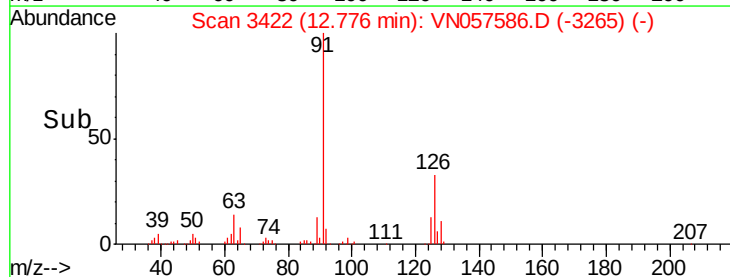
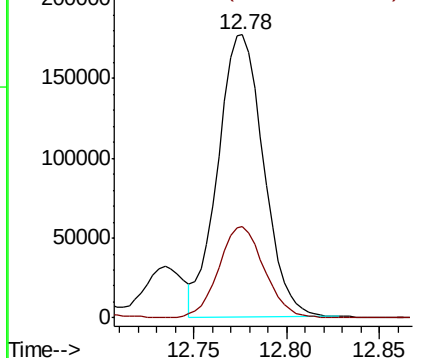
Tgt Ion: 91 Resp: 301898  
Ion Ratio Lower Upper

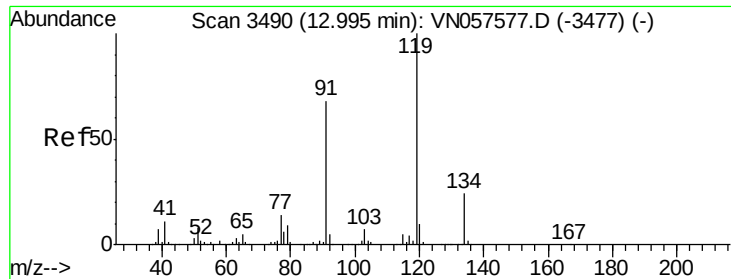
91 100

126 32.5 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0  
Ion 126.00 (125.70 to 126.70): V





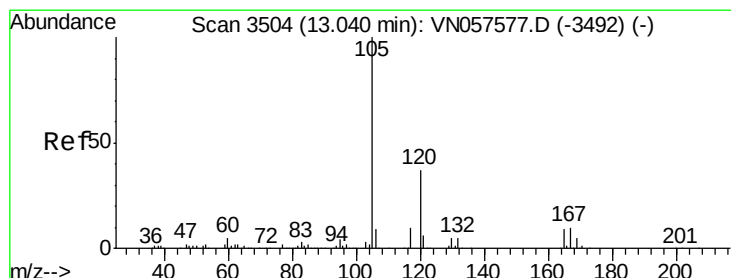
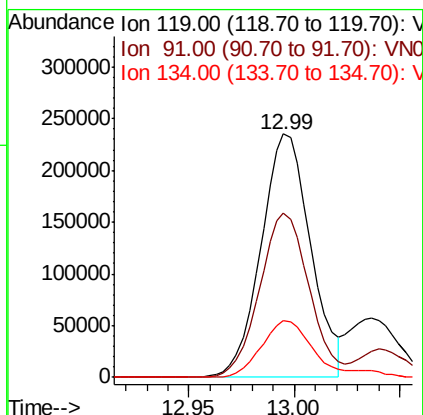
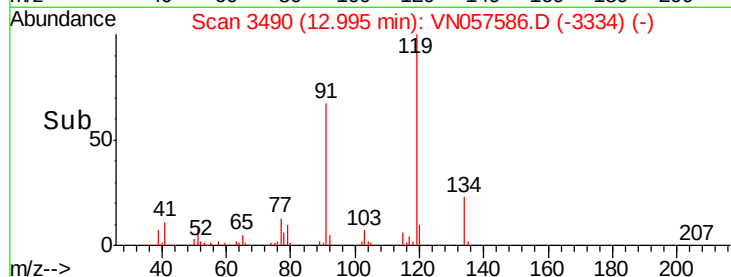
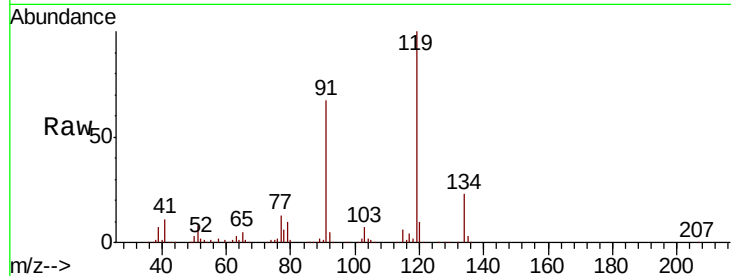
#79  
tert-butylbenzene  
Concen: 20.725 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 384179 |       |       |
| 91      | 67.5  | 0.0    | 137.6 |       |
| 134     | 23.7  | 0.0    | 47.8  |       |

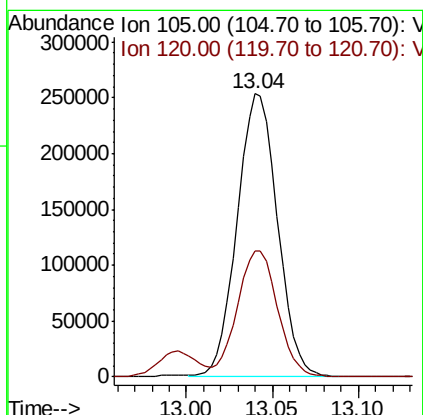
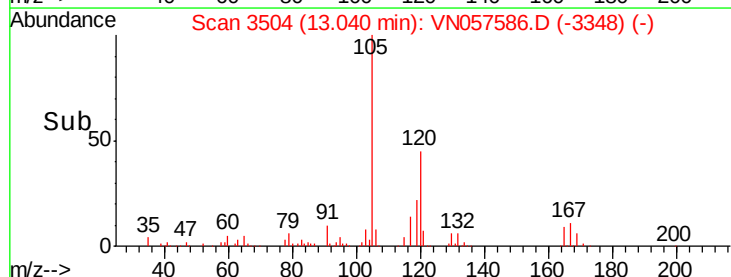
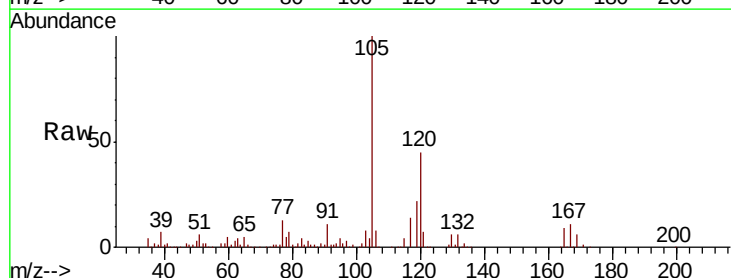
Manual Integrations  
APPROVED

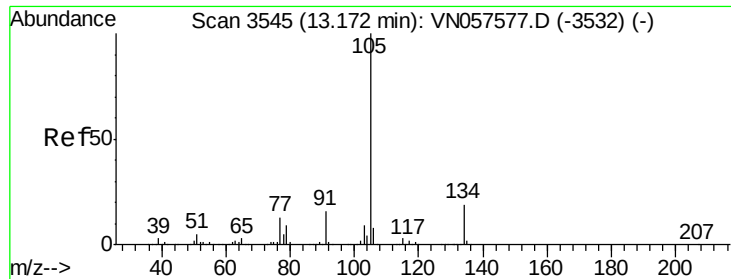
MMDadoda  
8/31/2019 10:01:08 AM



#80  
1,2,4-Trimethylbenzene  
Concen: 21.514 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 411331 |       |       |
| 120     | 44.5  | 0.0    | 87.2  |       |





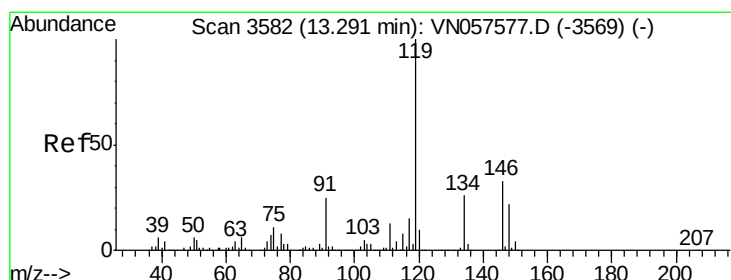
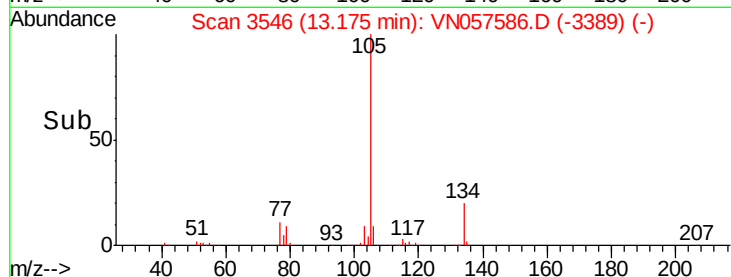
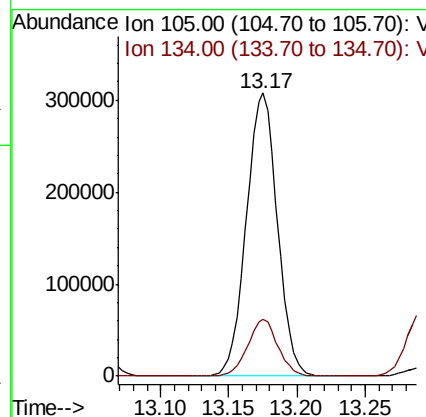
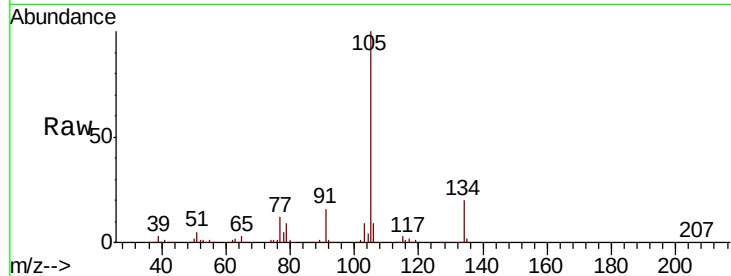
#81  
 sec-Butylbenzene  
 Concen: 21.532 ug/l  
 RT: 13.17 min Scan# 3546  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.5  | 0.0   | 39.2  |

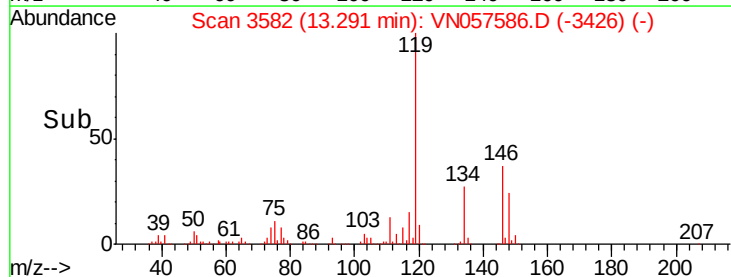
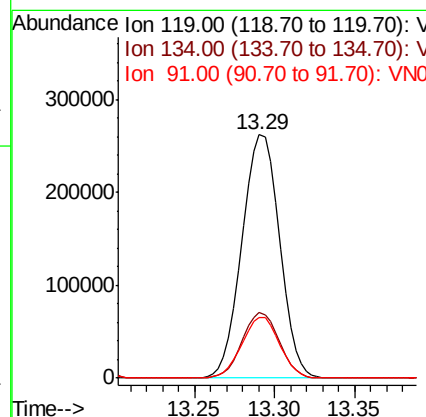
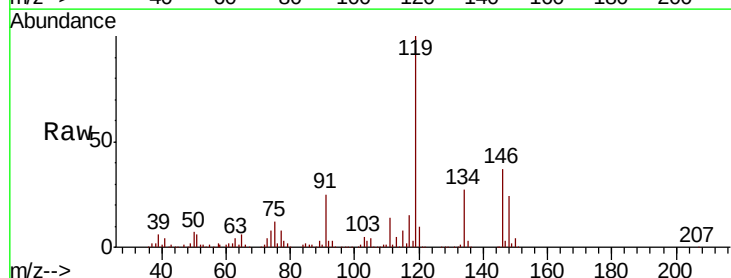
Manual Integrations  
 APPROVED

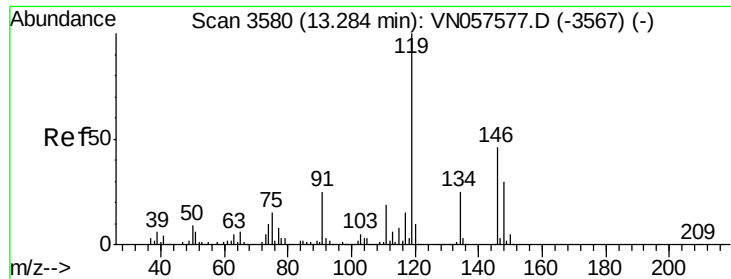
MMDadoda  
 8/31/2019 10:01:08 AM



#82  
 p-Isopropyltoluene  
 Concen: 21.039 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.5  | 0.0   | 51.6  |
| 91      | 25.1  | 0.0   | 50.8  |





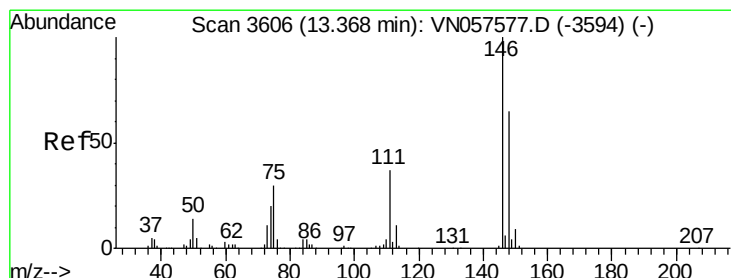
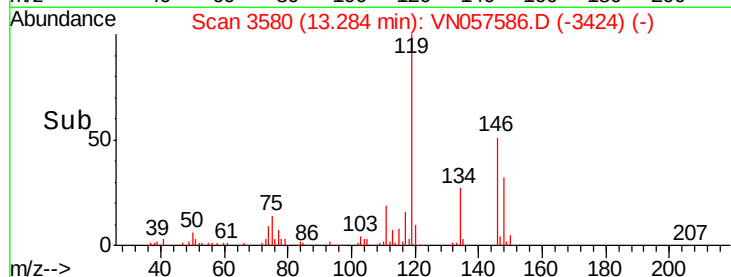
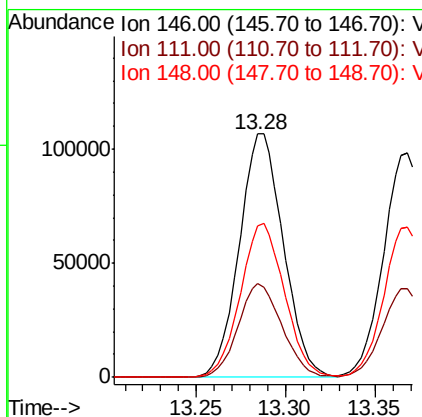
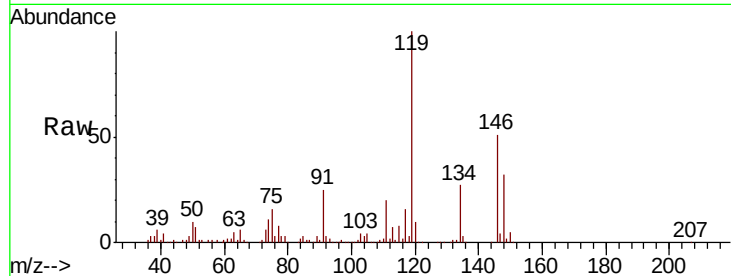
#83  
 1,3-Dichlorobenzene  
 Concen: 18.619 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0830WBSD01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 184520 |       |       |
| 111     | 38.3  | 20.0   | 60.0  |       |
| 148     | 63.3  | 32.3   | 96.9  |       |

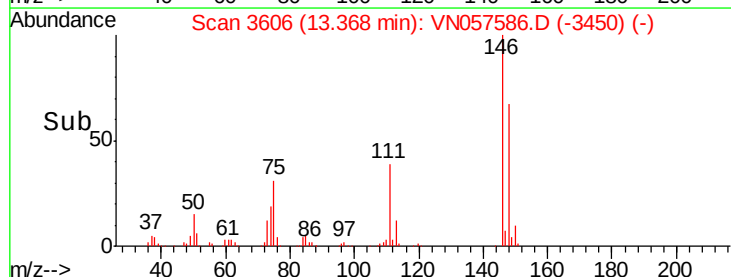
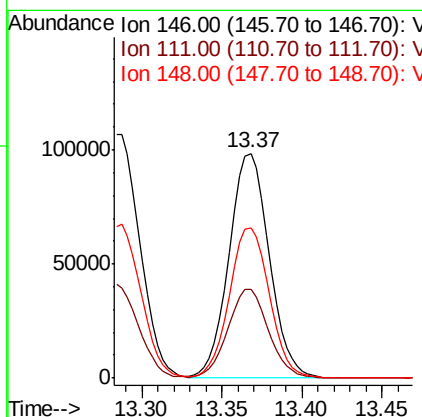
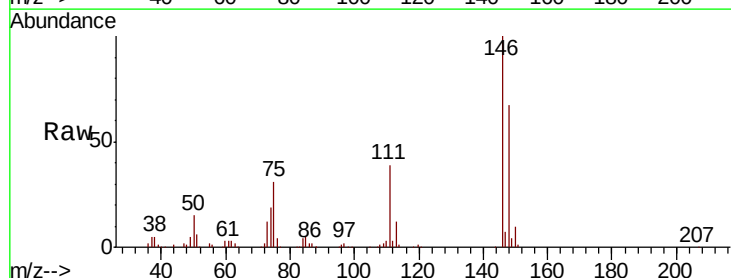
Manual Integrations  
 APPROVED

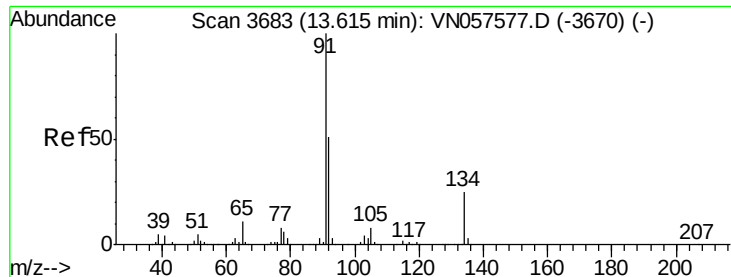
MMDadoda  
 8/31/2019 10:01:08 AM



#84  
 1,4-Dichlorobenzene  
 Concen: 17.764 ug/l  
 RT: 13.37 min Scan# 3606  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 168844 |       |       |
| 111     | 39.9  | 19.3   | 57.9  |       |
| 148     | 66.7  | 32.2   | 96.6  |       |





#85

n-Butylbenzene

Concen: 19.106 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

Instrument :

MSVOA\_N

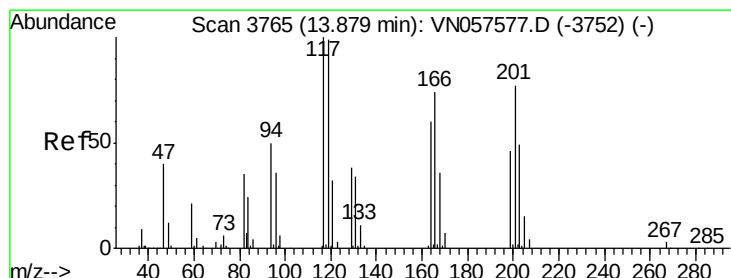
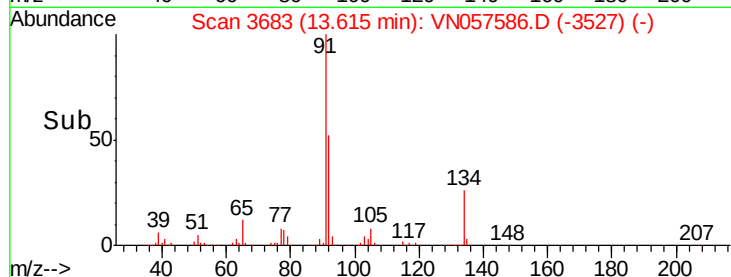
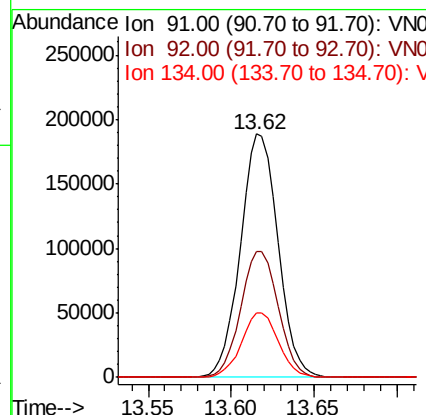
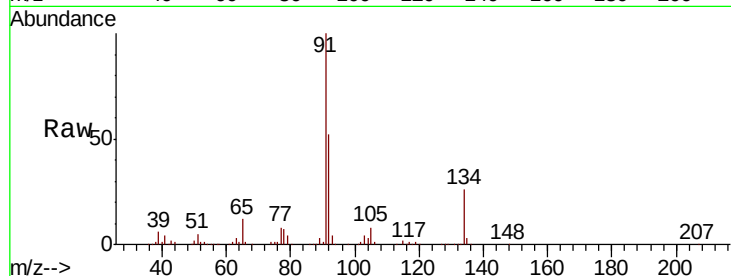
ClientSampleId :

VN0830WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 297329 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 51.8  | 0.0   | 103.0  |
| 134       | 26.1  | 0.0   | 51.0   |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



#86

Hexachloroethane

Concen: 18.320 ug/l

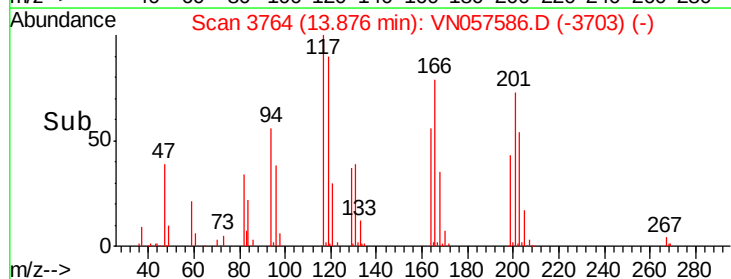
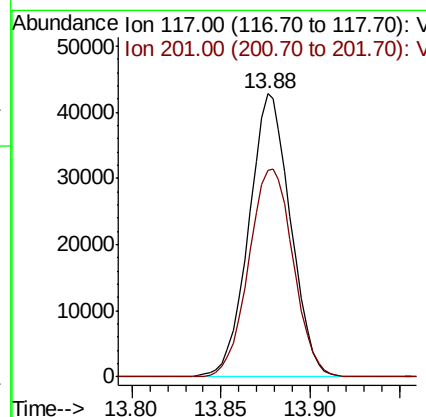
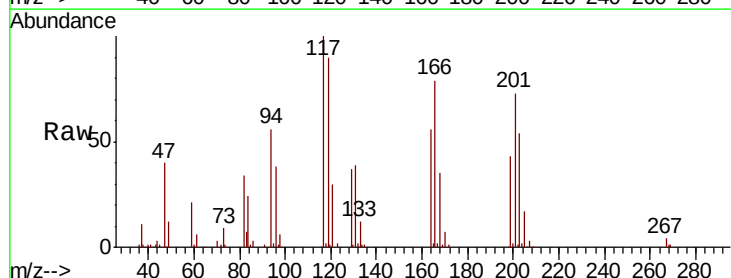
RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

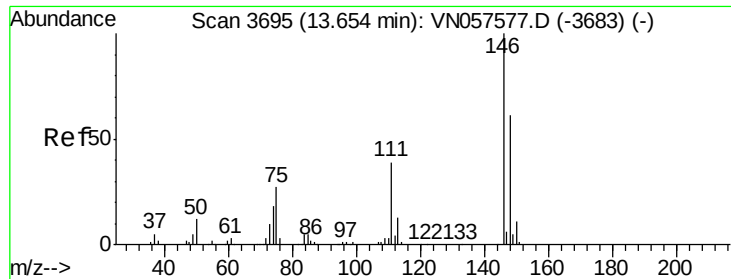
Lab File: VN057586.D

Acq: 30 Aug 2019 13:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 70007 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 201       | 78.2  | 38.0  | 113.9 |







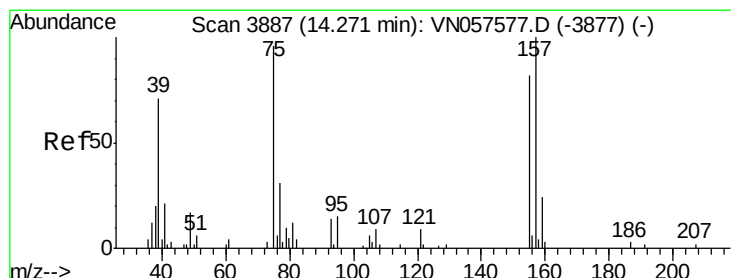
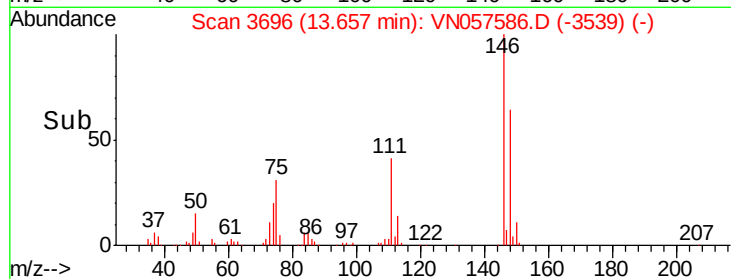
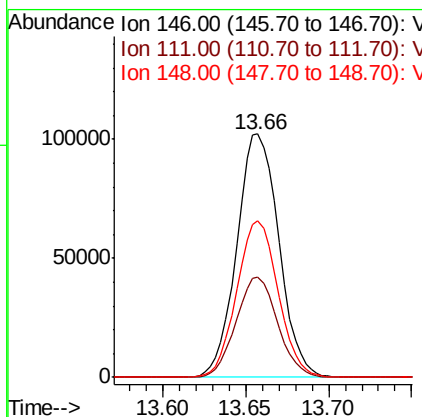
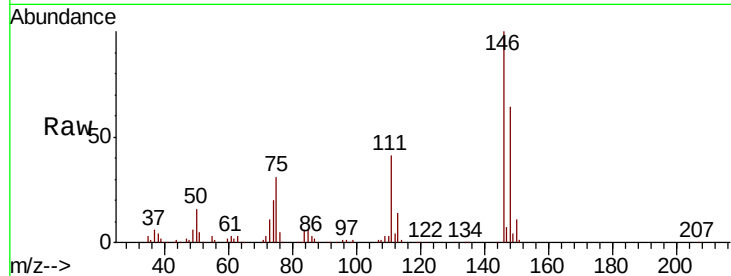
#87  
 1,2-Dichlorobenzene  
 Concen: 18.977 ug/l  
 RT: 13.66 min Scan# 3696  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 19.9  | 59.6  |
| 148     | 63.1  | 31.2  | 93.6  |

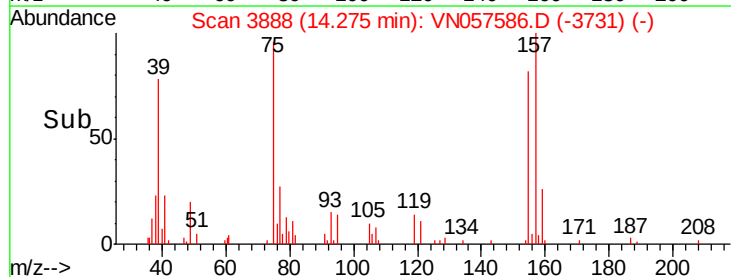
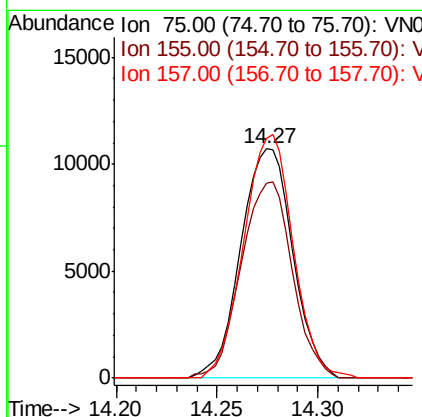
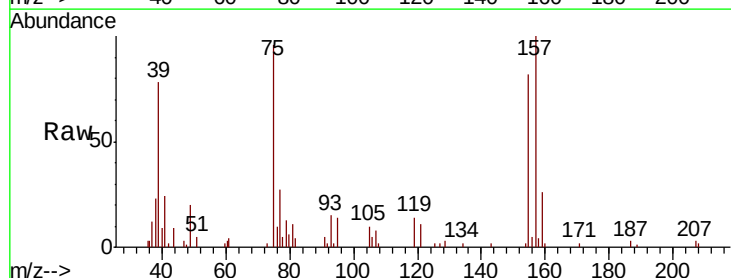
Manual Integrations  
 APPROVED

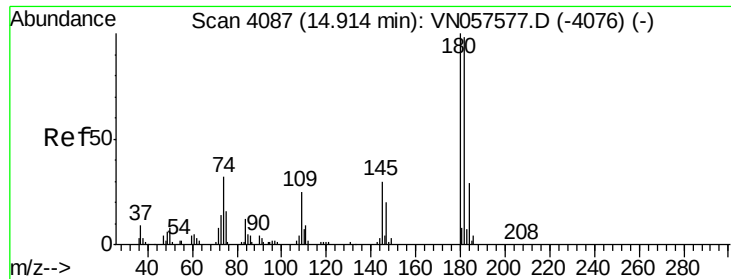
MMDadoda  
 8/31/2019 10:01:08 AM



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.231 ug/l  
 RT: 14.27 min Scan# 3888  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 83.9  | 66.5  | 99.7  |
| 157     | 101.0 | 88.4  | 132.6 |





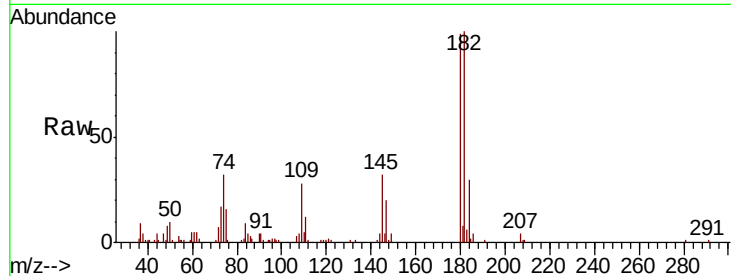
#89  
 1,2,4-Trichlorobenzene  
 Concen: 13.779 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.1  | 76.6  | 115.0 |
| 145     | 30.0  | 24.4  | 36.6  |

Manual Integrations  
 APPROVED

MMDadoda  
 8/31/2019 10:01:08 AM

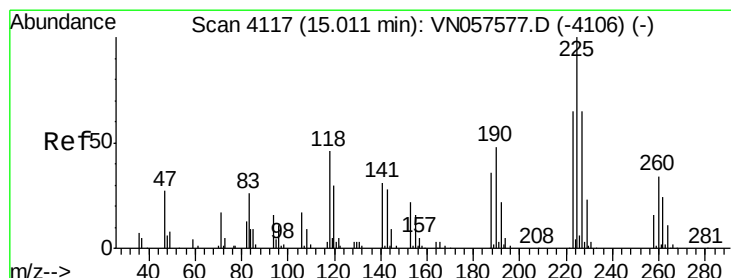
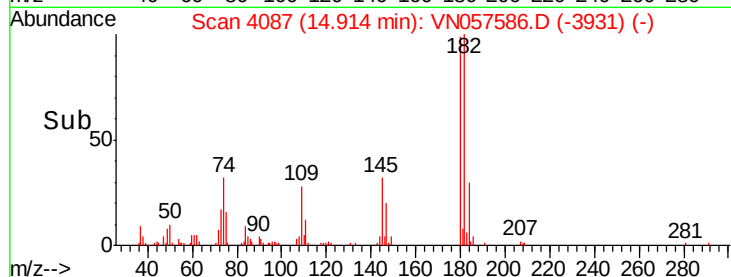
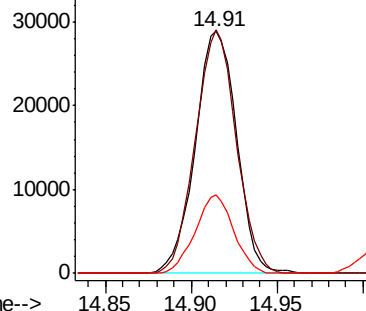


Abundance

Ion 180.00 (179.70 to 180.70): V

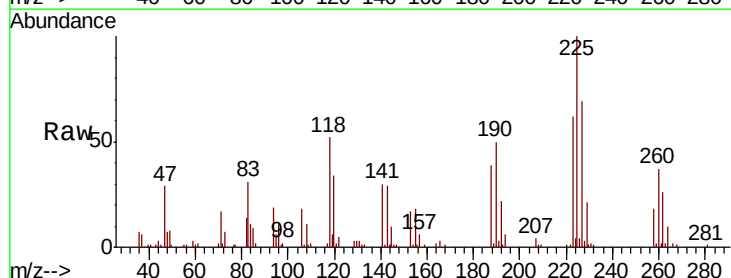
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90  
 Hexachlorobutadiene  
 Concen: 19.434 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN057586.D  
 Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 59.8  | 0.0   | 130.6 |
| 227     | 63.1  | 0.0   | 131.0 |

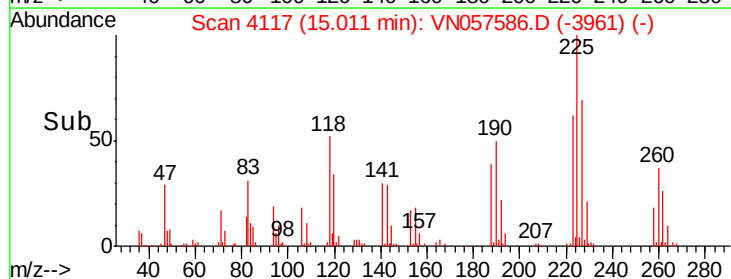
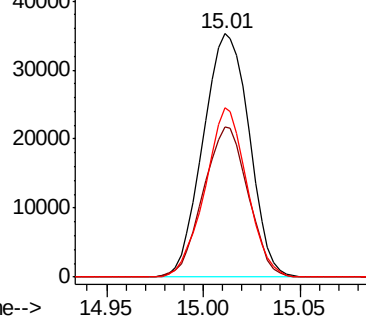


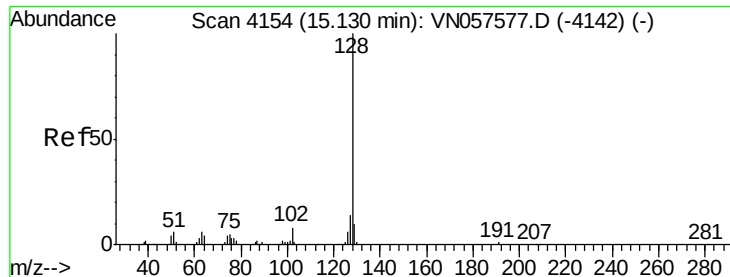
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





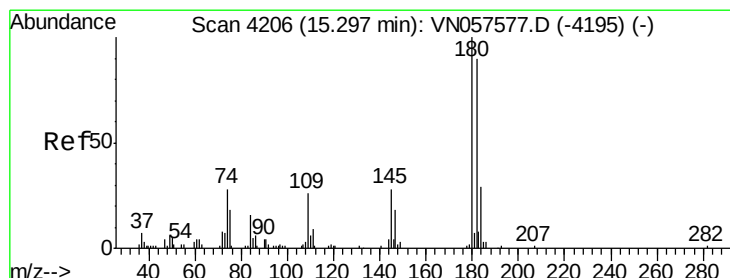
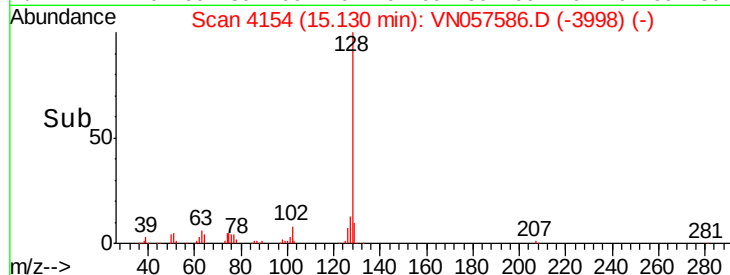
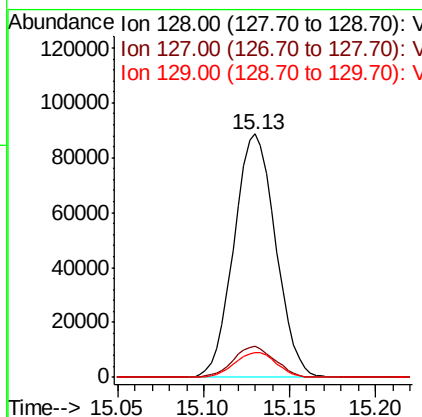
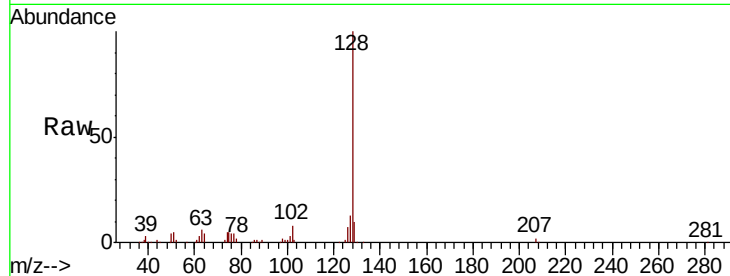
#91  
Naphthalene  
Concen: 15.259 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0830WBSD01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.6  | 16.0  |
| 129     | 10.3  | 8.1   | 12.1  |

Manual Integrations  
APPROVED

MMDadoda  
8/31/2019 10:01:08 AM



#92  
1,2,3-Trichlorobenzene  
Concen: 14.738 ug/l  
RT: 15.30 min Scan# 4206  
Delta R.T. 0.00 min  
Lab File: VN057586.D  
Acq: 30 Aug 2019 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 0.0   | 181.0 |
| 145     | 30.9  | 0.0   | 62.2  |

