

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\  
 Data File : VN057122.D  
 Acq On : 8 Aug 2019 11:08  
 Operator : JC/SP  
 Sample : VN0808WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/9/2019 9:27:56 AM

Quant Time: Aug 09 03:31:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 1222023  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.01  | 114  | 1790369  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.90 | 117  | 1555921  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.87 | 152  | 548456   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.44   | 65  | 632519   | 50.33 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.66% |      |
| 35) Dibromofluoromethane  | 6.98   | 113 | 594376   | 52.90 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.80% |      |
| 50) Toluene-d8            | 9.56   | 98  | 2231908  | 51.93 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.86% |      |
| 62) 4-Bromofluorobenzene  | 11.92  | 95  | 696453   | 50.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.58% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.82 | 85  | 185238  | 18.860  | ug/l   | 99     |
| 3) Chloromethane              | 2.00 | 50  | 243428  | 18.653  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.11 | 62  | 239235  | 19.722  | ug/l   | 98     |
| 5) Bromomethane               | 2.43 | 94  | 172904  | 20.978  | ug/l   | 97     |
| 6) Chloroethane               | 2.55 | 64  | 150861  | 19.390  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 2.82 | 101 | 335275  | 19.229  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.14 | 74  | 131088  | 19.460  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.44 | 101 | 209961  | 19.864  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.63 | 142 | 300957  | 18.842  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.23 | 59  | 159291  | 89.068  | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 3.43 | 96  | 210225  | 20.217  | ug/l   | 97     |
| 13) Acrolein                  | 3.31 | 56  | 92128   | 81.429  | ug/l   | 99     |
| 14) Allyl chloride            | 3.91 | 41  | 309354  | 20.472  | ug/l   | 98     |
| 15) Acrylonitrile             | 4.44 | 53  | 477624  | 98.678  | ug/l   | 99     |
| 16) Acetone                   | 3.47 | 43  | 426998  | 112.503 | ug/l   | 97     |
| 17) Carbon Disulfide          | 3.72 | 76  | 546603  | 19.760  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.89 | 43  | 228907  | 19.846  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 4.49 | 73  | 637350  | 20.303  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.10 | 84  | 237964  | 18.998  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 4.50 | 96  | 223252  | 19.709  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.31 | 45  | 664221  | 20.152  | ug/l   | 97     |
| 23) Vinyl Acetate             | 5.26 | 43  | 2575009 | 102.019 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.25 | 63  | 402237  | 19.851  | ug/l   | 99     |
| 25) 2-Butanone                | 6.20 | 43  | 598358  | 103.186 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 6.21 | 77  | 320282  | 21.726  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 6.21 | 96  | 262662  | 20.241  | ug/l   | 99     |
| 28) Bromochloromethane        | 6.58 | 49  | 163983  | 17.595  | ug/l   | 95     |
| 29) Tetrahydrofuran           | 6.60 | 42  | 385998  | 98.813  | ug/l   | 100    |
| 30) Chloroform                | 6.75 | 83  | 406014  | 19.360  | ug/l   | 99     |
| 31) Cyclohexane               | 7.06 | 56  | 358775  | 19.681  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.97 | 97  | 347156  | 19.733  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.20 | 75  | 302825  | 20.543  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.28 | 43  | 239835  | 19.729  | ug/l # | 99     |
| 38) Carbon Tetrachloride      | 7.18 | 117 | 298530  | 19.432  | ug/l   | 98     |

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 Operator : JC/SP  
 Sample : VN0808WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/9/2019 9:27:56 AM

Quant Time: Aug 09 03:31:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:49:25 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.52  | 83   | 368157   | 20.537  | ug/l   | 98       |
| 40) Benzene                    | 7.46  | 78   | 931133   | 19.953  | ug/l   | 98       |
| 41) Methacrylonitrile          | 6.55  | 41   | 126854   | 20.551  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 7.54  | 62   | 292769   | 19.671  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 7.56  | 43   | 406186   | 19.587  | ug/l   | 99       |
| 44) Trichloroethene            | 8.27  | 130  | 268535   | 20.540  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 8.56  | 63   | 243552   | 20.156  | ug/l   | 100      |
| 46) Dibromomethane             | 8.65  | 93   | 156585   | 20.211  | ug/l   | 99       |
| 47) Bromodichloromethane       | 8.85  | 83   | 303165   | 20.223  | ug/l   | 97       |
| 48) Methyl methacrylate        | 8.63  | 41   | 186728   | 19.096  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 8.64  | 88   | 81188    | 407.661 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.44  | 43   | 1194110  | 98.942  | ug/l   | 100      |
| 52) Toluene                    | 9.62  | 92   | 595066   | 20.543  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.86  | 75   | 326404   | 20.842  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.30  | 75   | 375193   | 20.879  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.04 | 97   | 226218   | 19.860  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.90  | 69   | 316437   | 19.841  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.19 | 76   | 371715   | 19.788  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.15  | 63   | 599994   | 102.511 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.24 | 43   | 817510   | 100.086 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.39 | 129  | 244787   | 20.462  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.50 | 107  | 233376   | 19.855  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.11 | 164  | 263397   | 20.356  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.93 | 112  | 627343   | 20.039  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.01 | 131  | 240198   | 20.522  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.01 | 91   | 1104481  | 20.498  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.12 | 106  | 833791   | 42.004  | ug/l   | 99       |
| 69) o-Xylene                   | 11.46 | 106  | 409099   | 20.708  | ug/l   | 97       |
| 70) Styrene                    | 11.47 | 104  | 625522   | 20.272  | ug/l   | 100      |
| 71) Bromoform                  | 11.64 | 173  | 174851   | 20.394  | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.76 | 105  | 1088704  | 22.944  | ug/l   | 99       |
| 74) N-amyl acetate             | 11.58 | 43   | 277881   | 19.994  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.02 | 83   | 297108   | 22.523  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.07 | 75   | 255890m  | 22.259  | ug/l   |          |
| 77) Bromobenzene               | 12.04 | 156  | 267233   | 20.271  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.11 | 91   | 1104903  | 20.999  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.19 | 91   | 691310   | 22.513  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.26 | 105  | 893054   | 21.091  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.81 | 75   | 78639    | 21.082  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.30 | 91   | 625482   | 20.531  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.52 | 119  | 796449   | 22.721  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 12.57 | 105  | 827045   | 20.208  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 12.70 | 105  | 983995   | 20.593  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.82 | 119  | 859133   | 20.490  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.81 | 146  | 391506   | 20.861  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.89 | 146  | 362741   | 20.399  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.15 | 91   | 595955   | 20.573  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.41 | 117  | 153729   | 22.537  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.18 | 146  | 395277   | 21.091  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.81 | 75   | 37643    | 19.525  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\  
Data File : VN057122.D  
Acq On : 8 Aug 2019 11:08  
Operator : JC/SP  
Sample : VN0808WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

Manual Integrations  
APPROVED

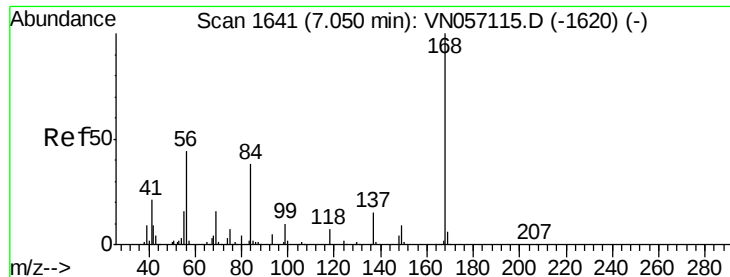
MMDadoda  
8/9/2019 9:27:56 AM

Quant Time: Aug 09 03:31:29 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080719W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 08 06:49:25 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.45 | 180  | 116884   | 18.891 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.55 | 225  | 168699   | 23.820 | ug/l  | 99       |
| 95) Naphthalene            | 14.66 | 128  | 224715   | 17.811 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.83 | 180  | 124247   | 19.105 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion:168 Resp: 1222023

Ion Ratio Lower Upper

168 100

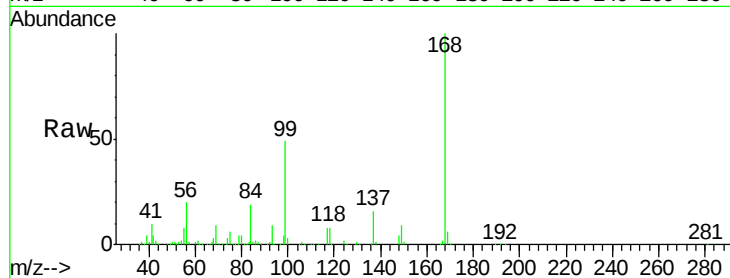
99 49.0 38.6 57.8

Manual Integrations

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8/9/2019 9:27:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

500000

400000

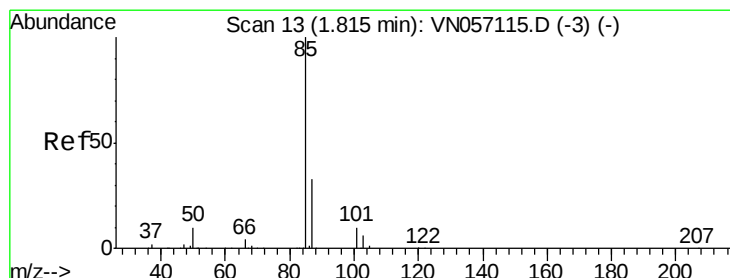
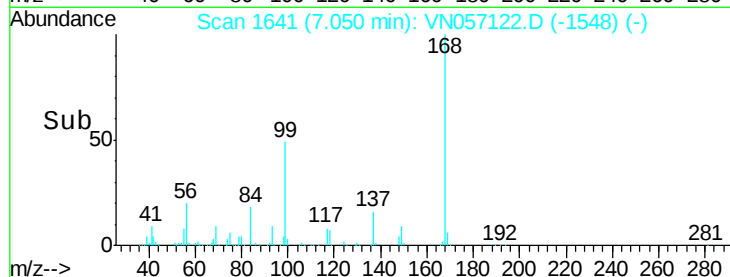
300000

200000

100000

0

Time--> 6.90 7.00 7.10



#2

Dichlorodifluoromethane

Concen: 18.860 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057122.D

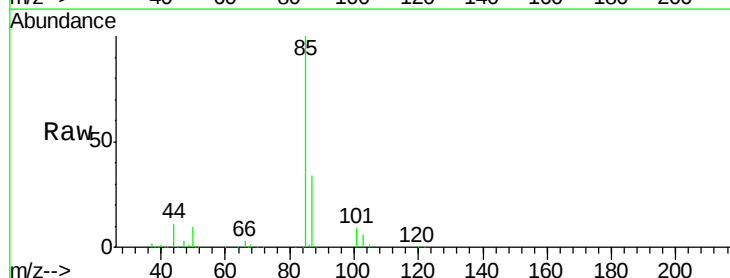
Acq: 8 Aug 2019 11:08

Tgt Ion: 85 Resp: 185238

Ion Ratio Lower Upper

85 100

87 34.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.82

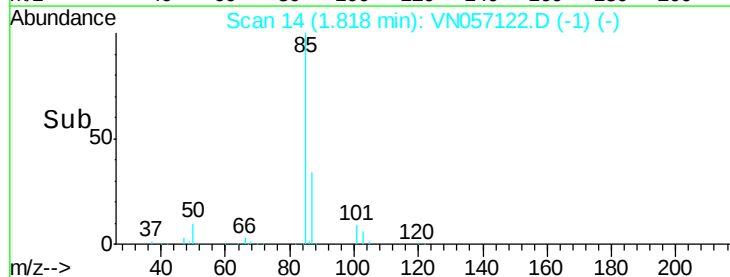
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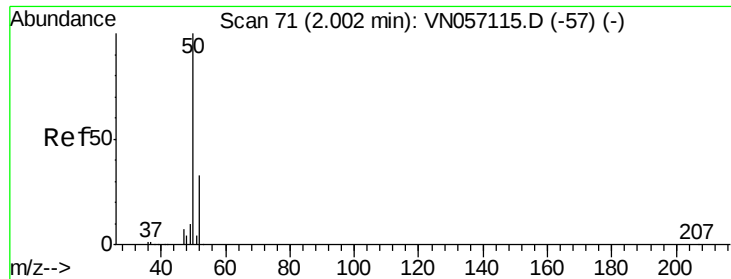
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.653 ug/l

RT: 2.00 min Scan# 71

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion: 50 Resp: 243428

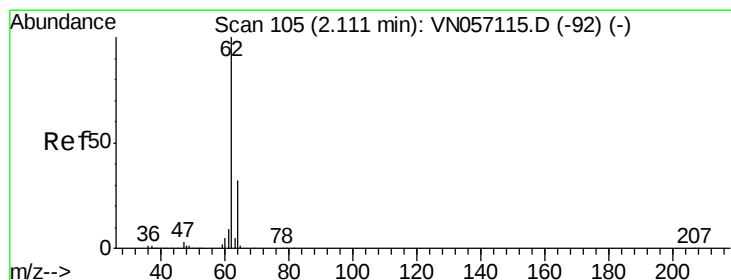
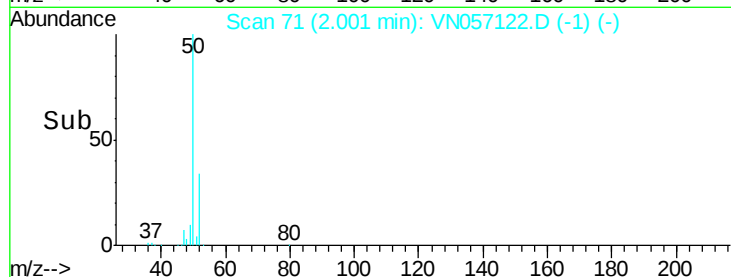
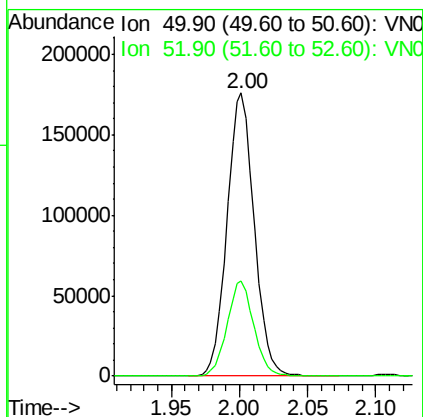
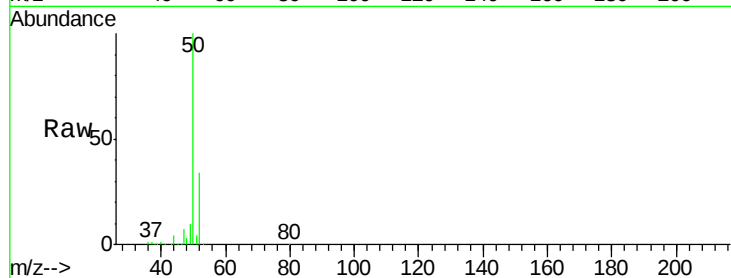
Ion Ratio Lower Upper

50 100

52 33.7 26.1 39.1

Manual Integrations  
APPROVED

MMDadoda  
8/9/2019 9:27:56 AM



#4

Vinyl Chloride

Concen: 19.722 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057122.D

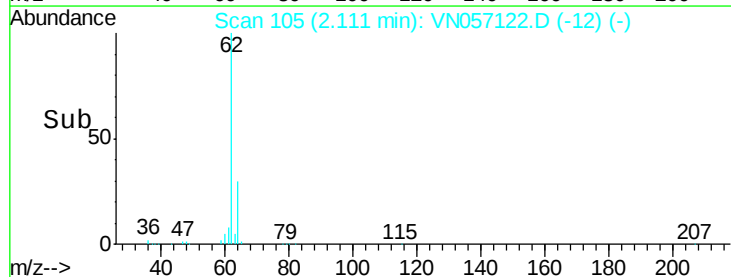
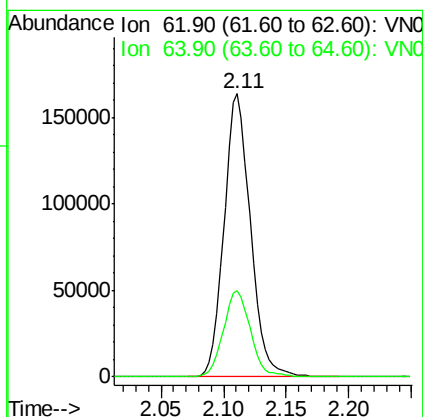
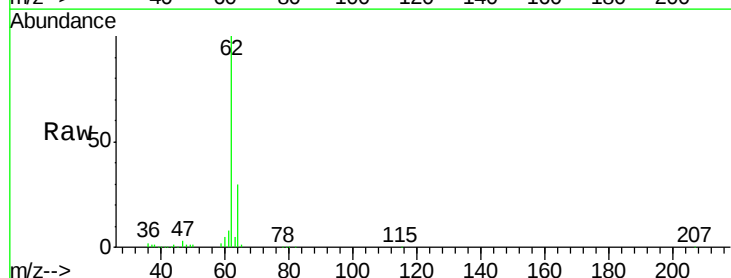
Acq: 8 Aug 2019 11:08

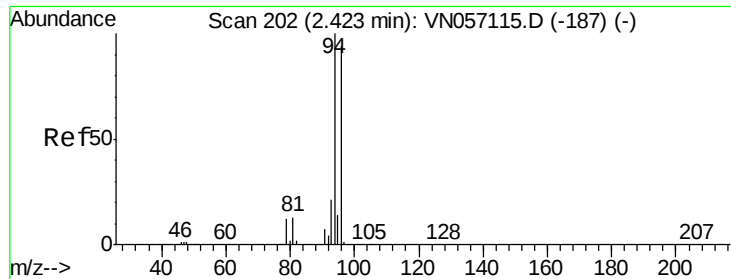
Tgt Ion: 62 Resp: 239235

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.0





#5

Bromomethane

Concen: 20.978 ug/l

RT: 2.43 min Scan# 205

Delta R.T. 0.01 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion: 94 Resp: 172904

Ion Ratio Lower Upper

94 100

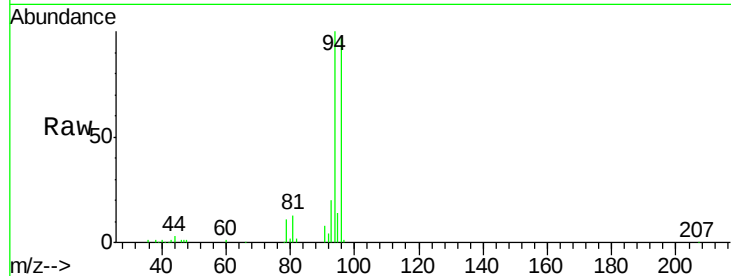
96 96.7 75.0 112.4

Manual Integrations

APPROVED

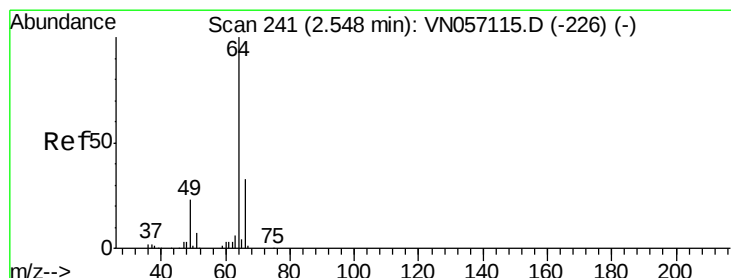
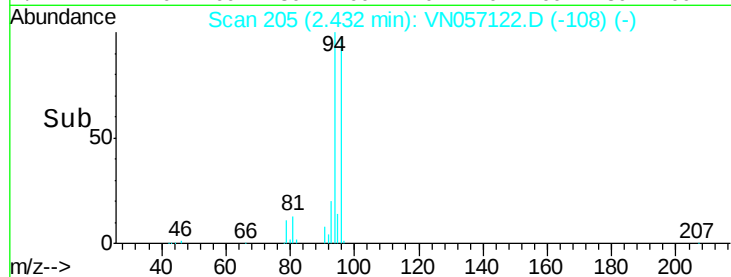
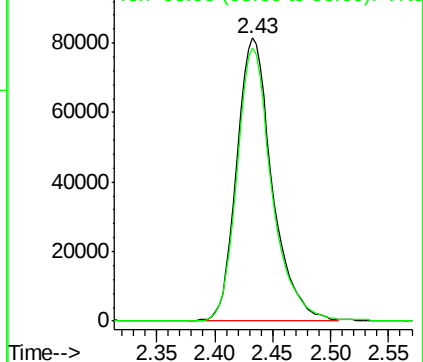
MMDadoda

8/9/2019 9:27:56 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.390 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057122.D

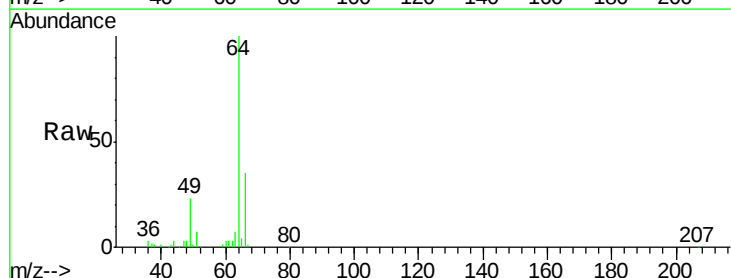
Acq: 8 Aug 2019 11:08

Tgt Ion: 64 Resp: 150861

Ion Ratio Lower Upper

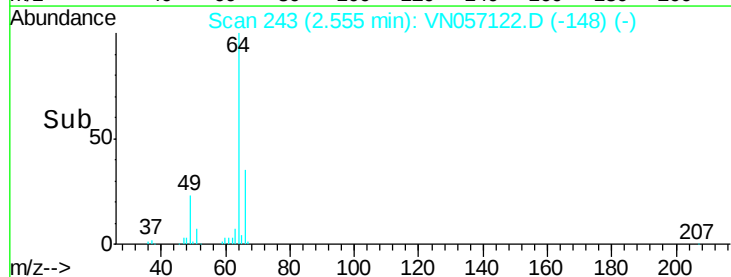
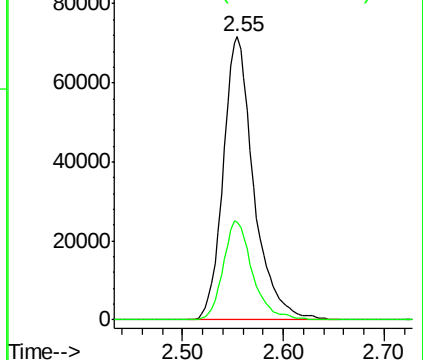
64 100

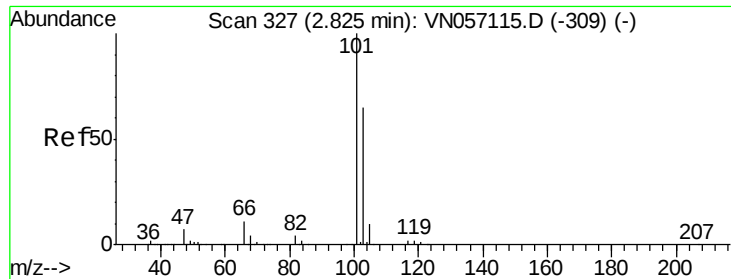
66 34.7 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

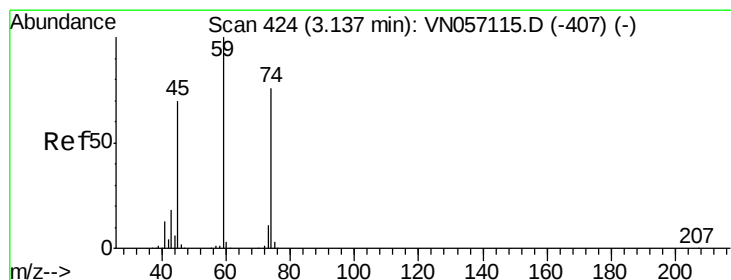
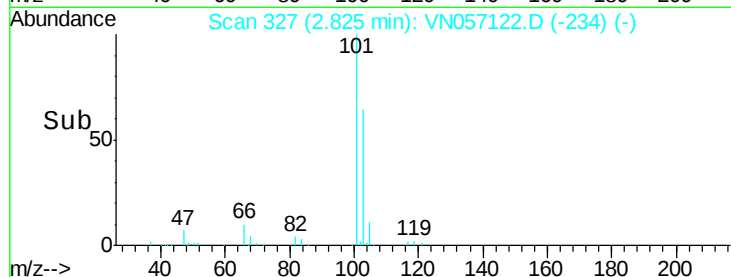
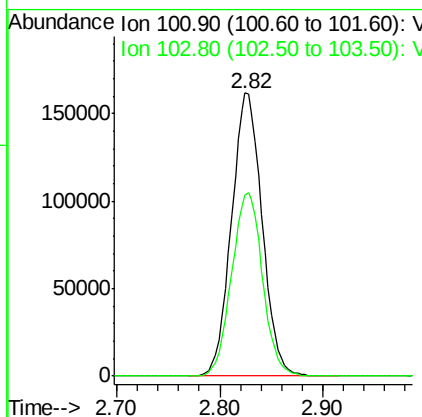
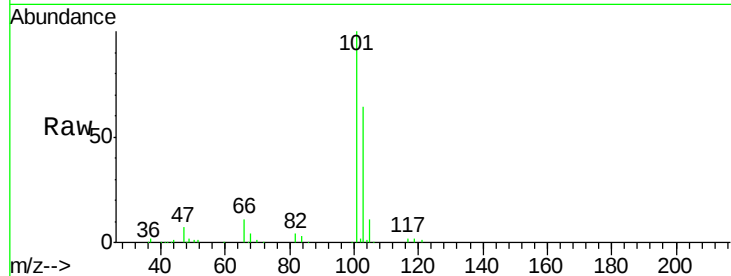
Trichlorofluoromethane  
 Concen: 19.229 ug/l  
 RT: 2.82 min Scan# 327  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.1  | 52.2  | 78.4  |

Manual Integrations  
 APPROVED

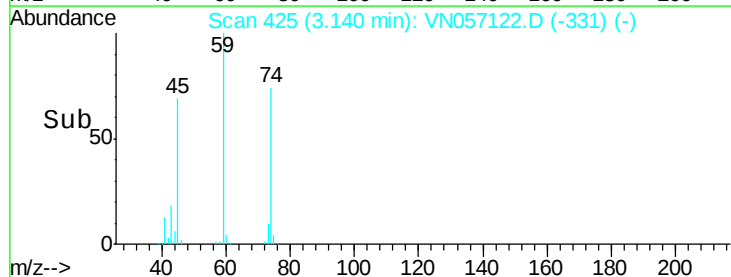
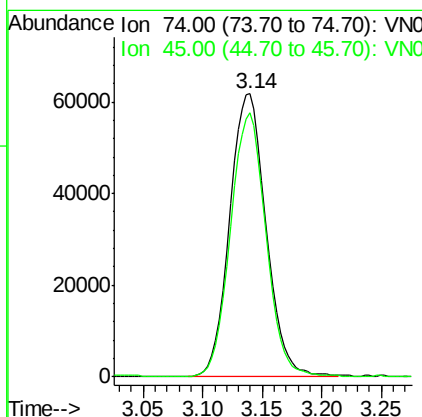
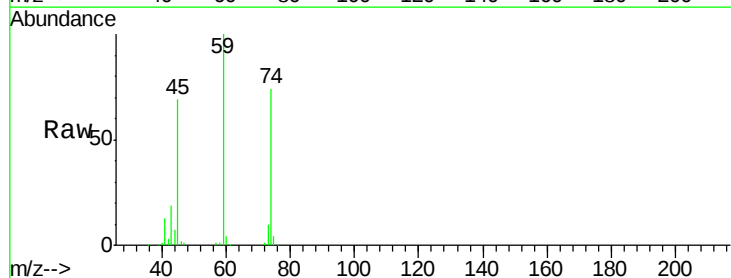
MMDadoda  
 8/9/2019 9:27:56 AM

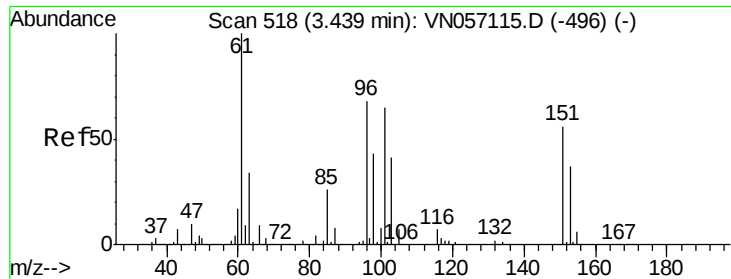


#8

Diethyl Ether  
 Concen: 19.460 ug/l  
 RT: 3.14 min Scan# 425  
 Delta R.T. 0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 90.0  | 46.3  | 138.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.864 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

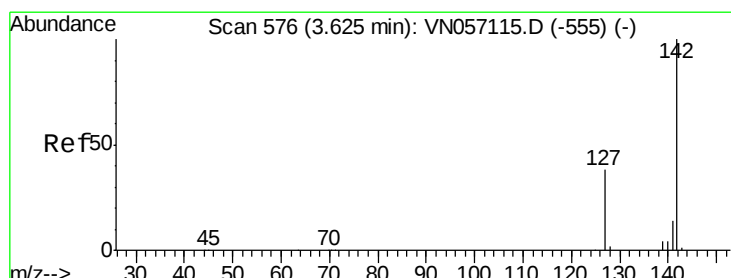
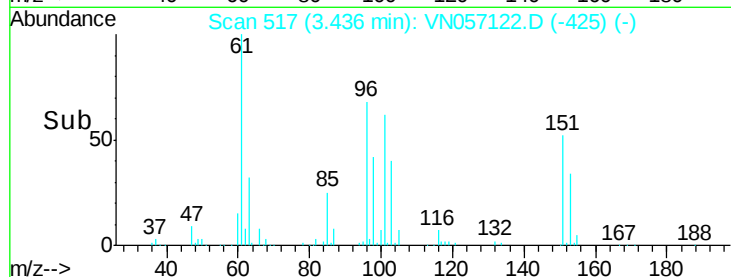
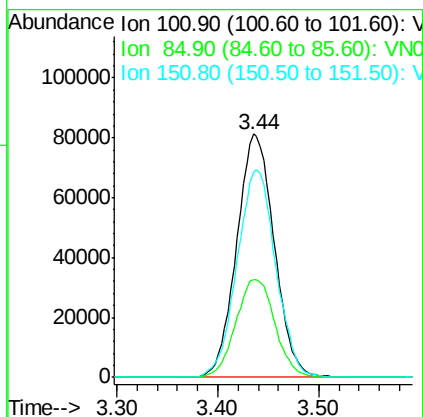
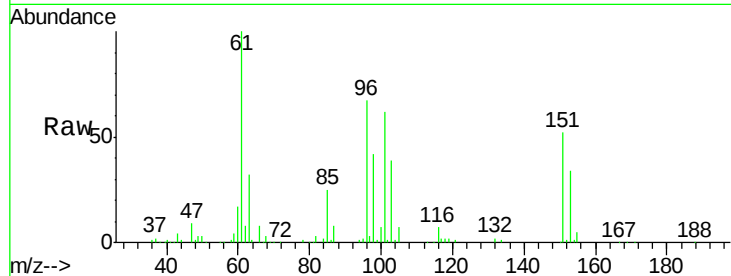
ClientSampled :

VN0808WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 209961 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.8  | 32.3  | 48.5   |
| 151       | 87.8  | 69.4  | 104.0  |

Manual Integrations  
APPROVED

MMDadoda  
8/9/2019 9:27:56 AM



#10

Methyl Iodide

Concen: 18.842 ug/l

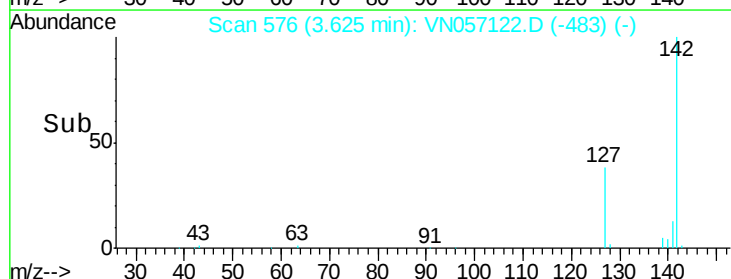
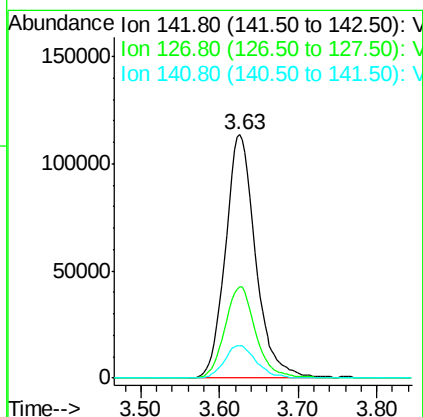
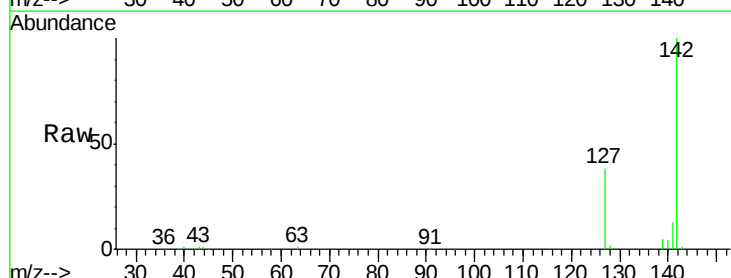
RT: 3.63 min Scan# 576

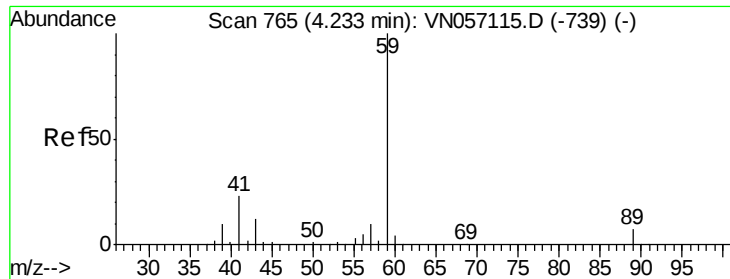
Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 300957 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.3  | 31.0  | 46.6   |
| 141       | 14.2  | 11.2  | 16.8   |





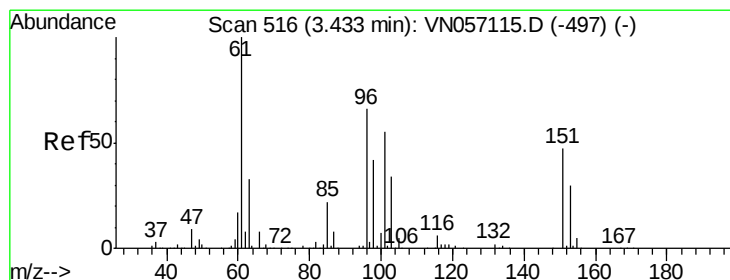
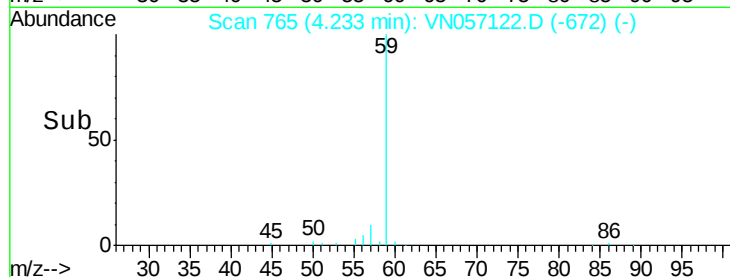
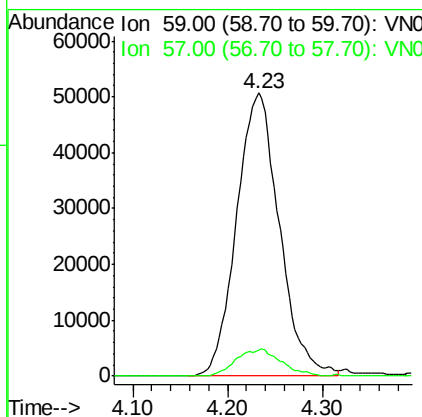
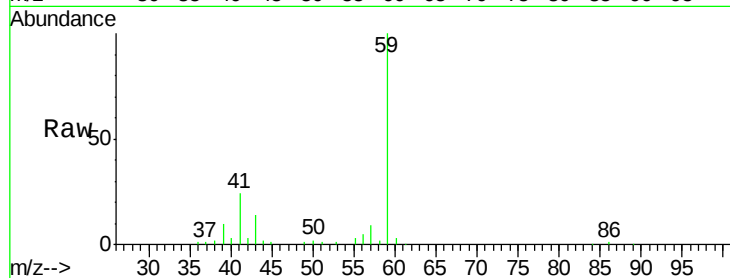
#11  
Tert butyl alcohol  
Concen: 89.068 ug/l  
RT: 4.23 min Scan# 765  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.2  | 7.9   | 11.9  |

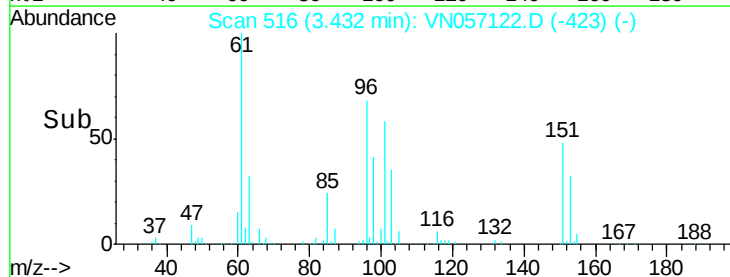
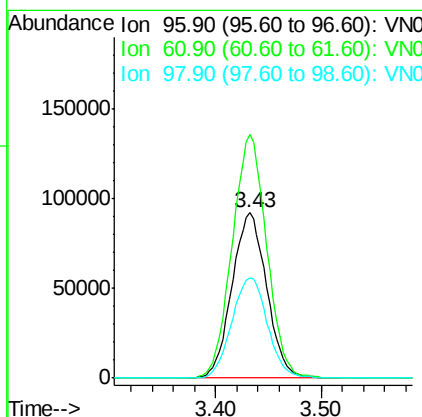
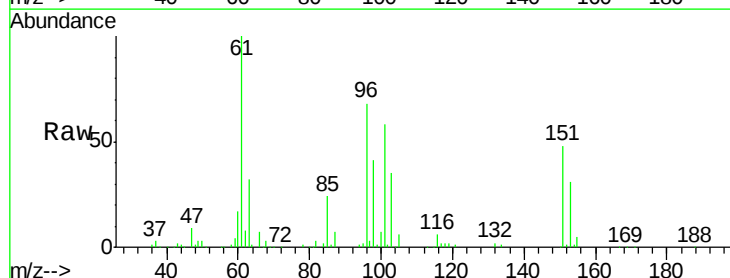
Manual Integrations  
APPROVED

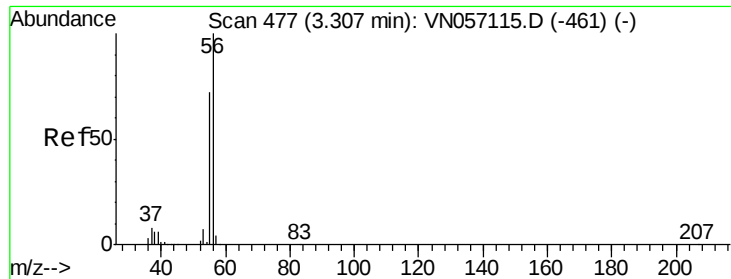
MMDadoda  
8/9/2019 9:27:56 AM



#12  
1,1-Dichloroethene  
Concen: 20.217 ug/l  
RT: 3.43 min Scan# 516  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.2 | 121.0 | 181.6 |
| 98      | 60.3  | 50.8  | 76.2  |





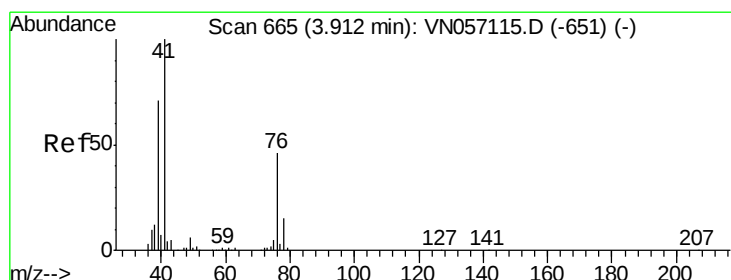
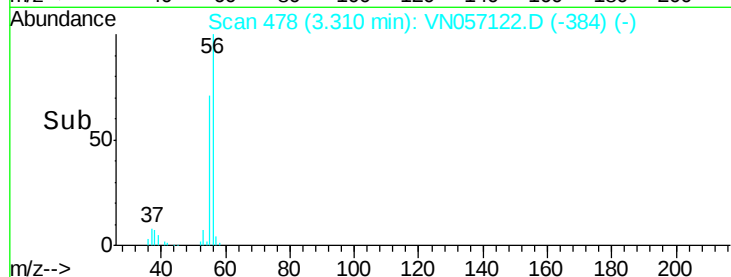
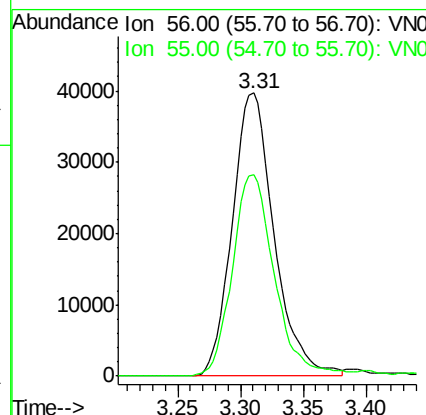
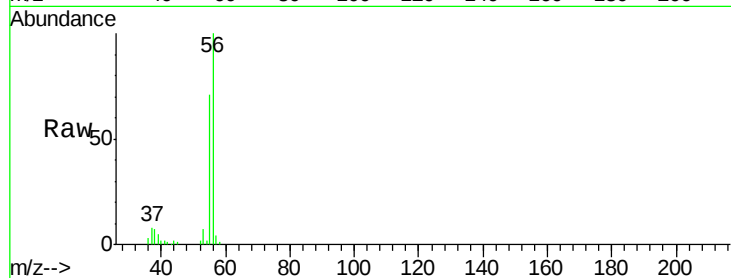
#13  
Acrolein  
Concen: 81.429 ug/l  
RT: 3.31 min Scan# 478  
Delta R.T. 0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion   | 56    | Resp  | 92128 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 55        | 71.6  | 57.7  | 86.5  |

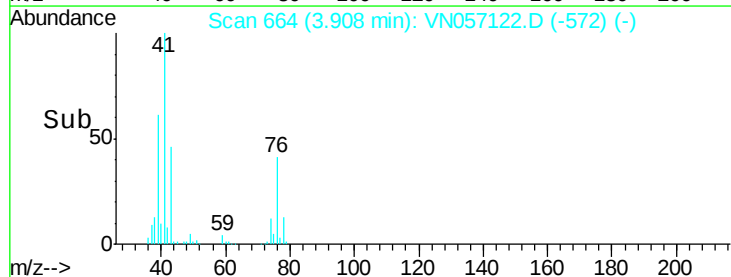
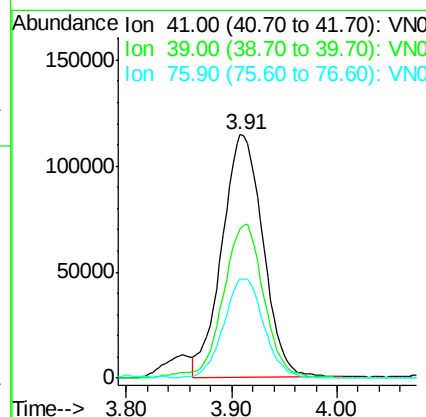
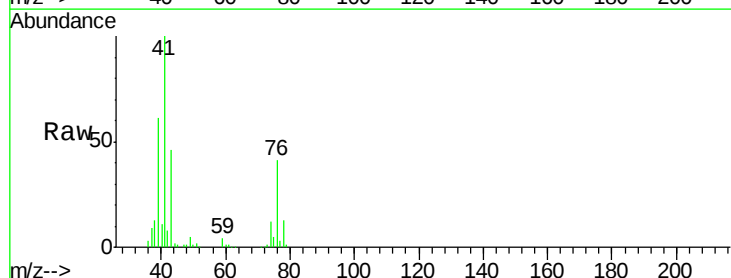
Manual Integrations  
APPROVED

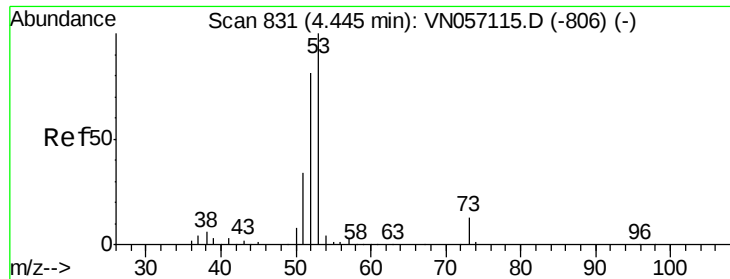
MMDadoda  
8/9/2019 9:27:56 AM



#14  
Allyl chloride  
Concen: 20.472 ug/l  
RT: 3.91 min Scan# 664  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion   | 41    | Resp  | 309354 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 63.3  | 51.1  | 76.7   |
| 76        | 39.3  | 32.8  | 49.2   |





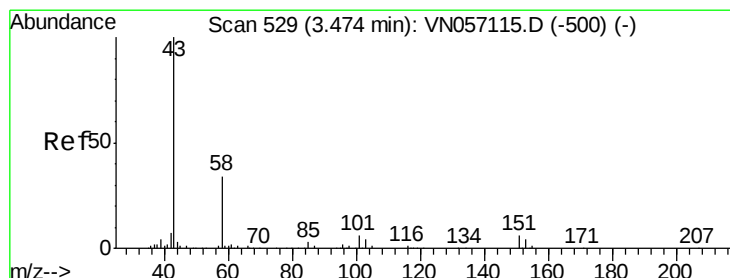
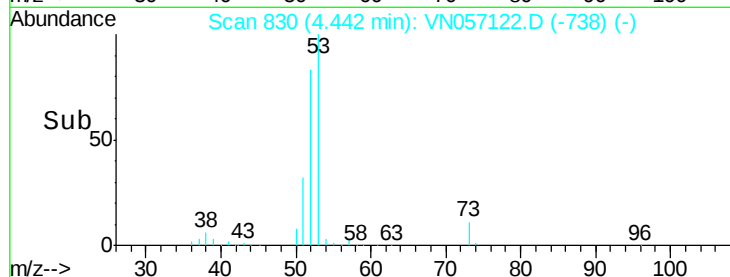
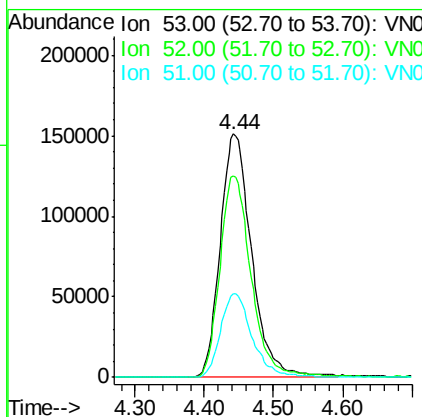
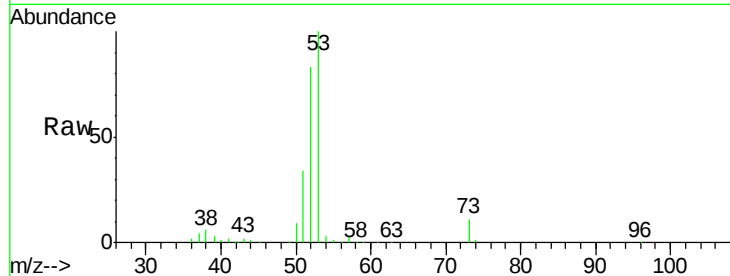
#15  
 Acrylonitrile  
 Concen: 98.678 ug/l  
 RT: 4.44 min Scan# 830  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 477624 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.1  | 64.9  | 97.3   |
| 51        | 34.6  | 27.8  | 41.6   |

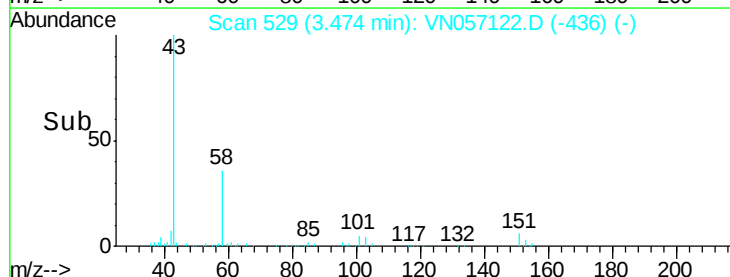
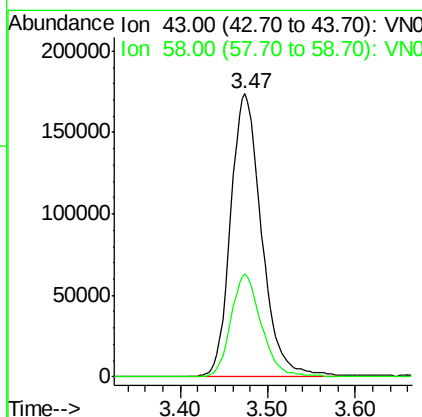
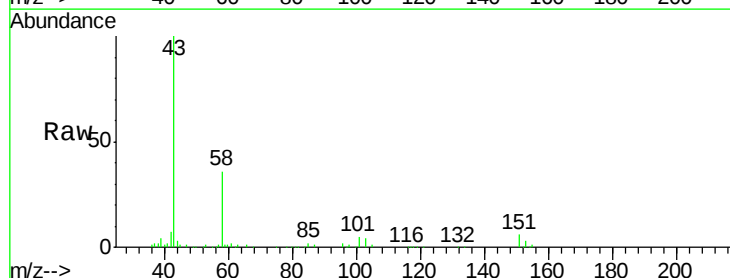
Manual Integrations  
 APPROVED

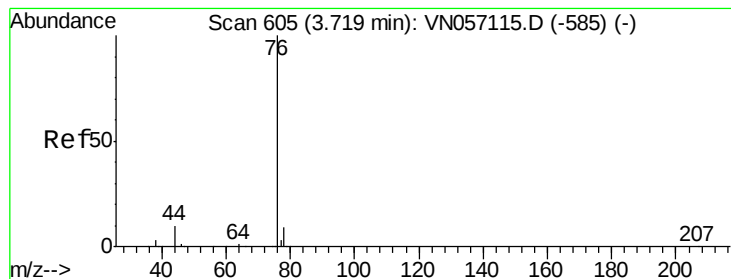
MMDadoda  
 8/9/2019 9:27:56 AM



#16  
 Acetone  
 Concen: 112.503 ug/l  
 RT: 3.47 min Scan# 529  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 426998 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 36.2  | 27.4  | 41.2   |





#17

Carbon Disulfide

Concen: 19.760 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampled :

VN0808WBS01

Tot Ion: 76 Resp: 546603

Ion Ratio Lower Upper

76 100

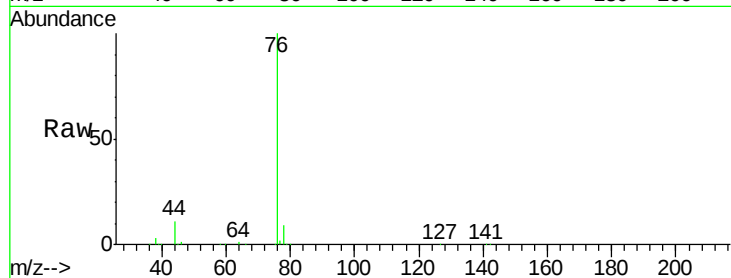
78 9.0 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

8/9/2019 9:27:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VN057115.D (-585) (-)

Ion 77.90 (77.60 to 78.60): VN057115.D (-585) (-)

3.72

250000

200000

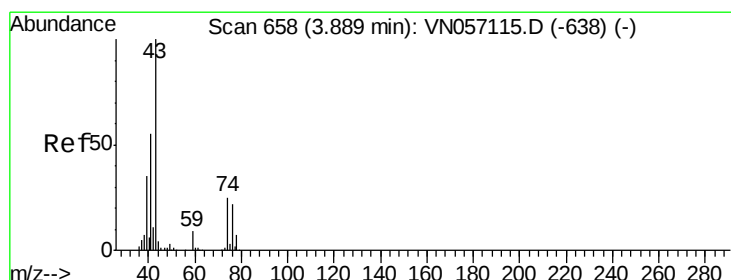
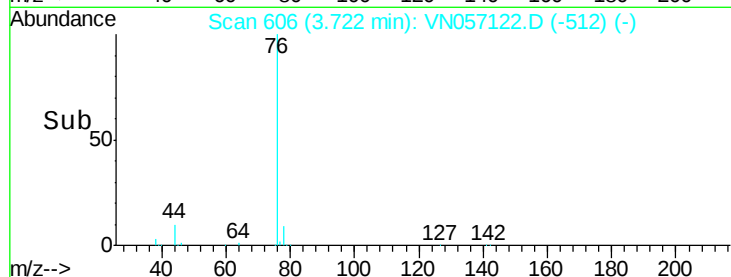
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.846 ug/l

RT: 3.89 min Scan# 659

Delta R.T. 0.00 min

Lab File: VN057122.D

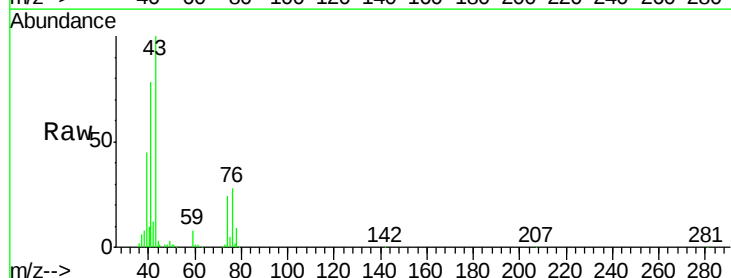
Acq: 8 Aug 2019 11:08

Tgt Ion: 43 Resp: 228907

Ion Ratio Lower Upper

43 100

74 25.4 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-638) (-)

Ion 74.00 (73.70 to 74.70): VN057115.D (-638) (-)

3.89

100000

80000

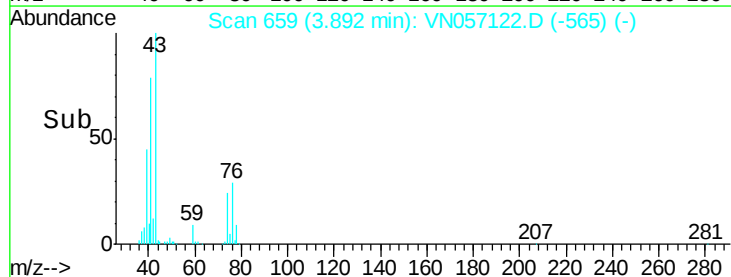
60000

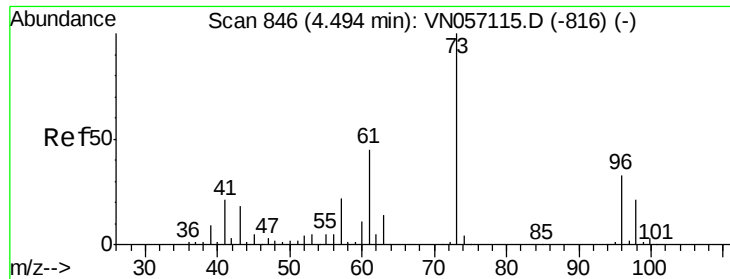
40000

20000

0

Time-->





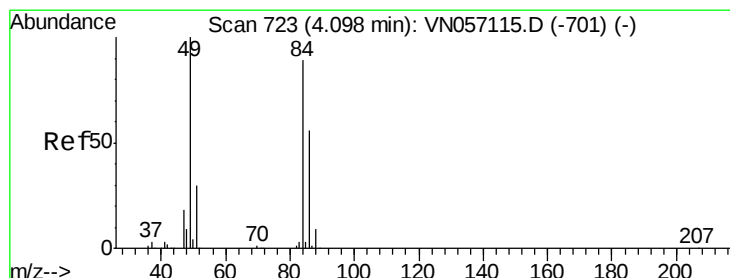
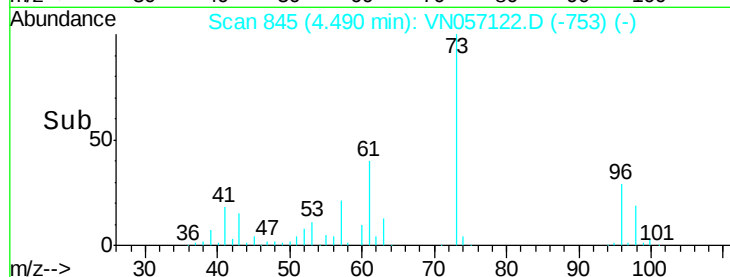
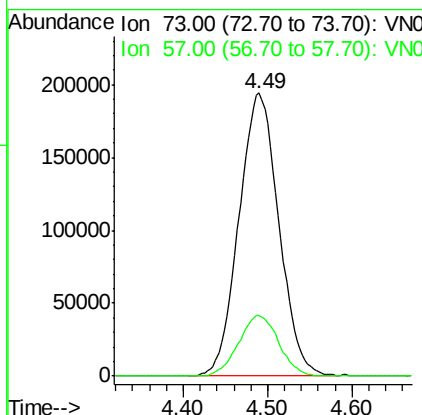
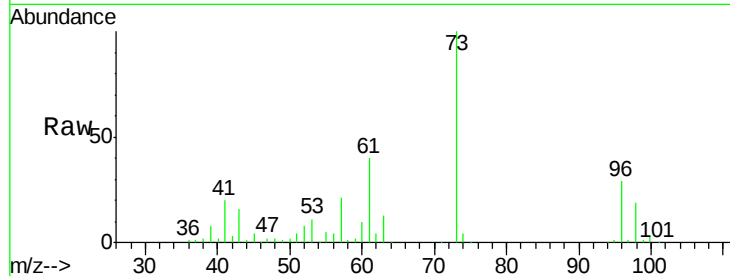
#19  
Methvl tert-butvl Ether  
Concen: 20.303 ug/l  
RT: 4.49 min Scan# 845  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

Tot Ion: 73 Resp: 637350  
Ion Ratio Lower Upper  
73 100  
57 21.4 18.0 27.0

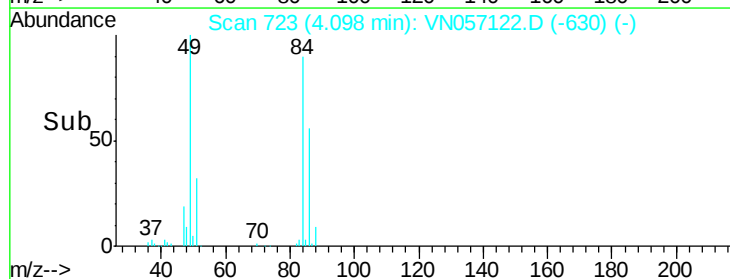
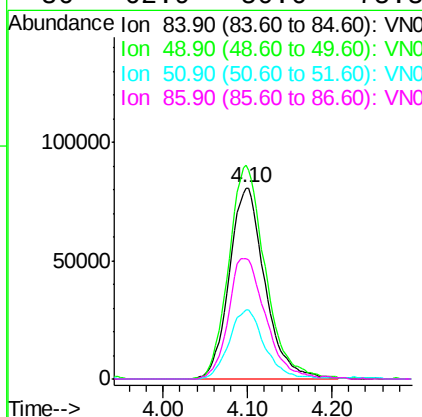
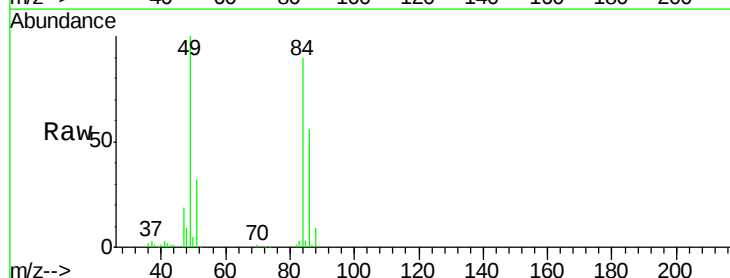
Manual Integrations  
APPROVED

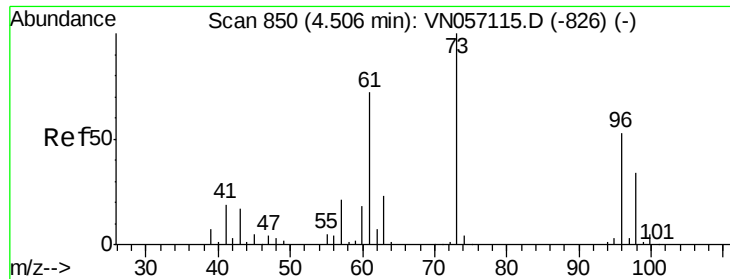
MMDadoda  
8/9/2019 9:27:56 AM



#20  
Methylene Chloride  
Concen: 18.998 ug/l  
RT: 4.10 min Scan# 723  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Tgt Ion: 84 Resp: 237964  
Ion Ratio Lower Upper  
84 100  
49 111.6 89.5 134.3  
51 35.8 27.2 40.8  
86 62.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.709 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampled :

VN0808WBS01

Tot Ion: 96 Resp: 223252

Ion Ratio Lower Upper

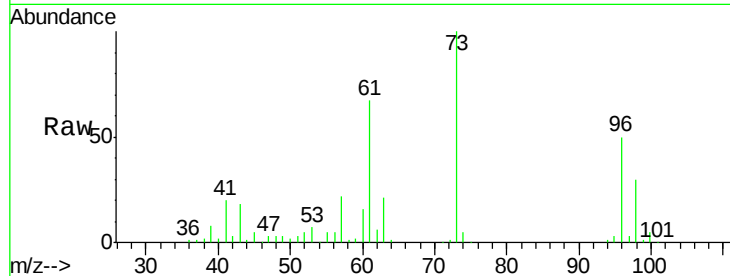
96 100

61 134.3 108.1 162.1

98 59.7 50.5 75.7

Manual Integrations  
APPROVED

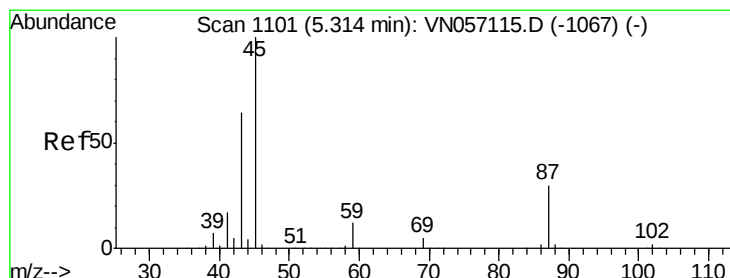
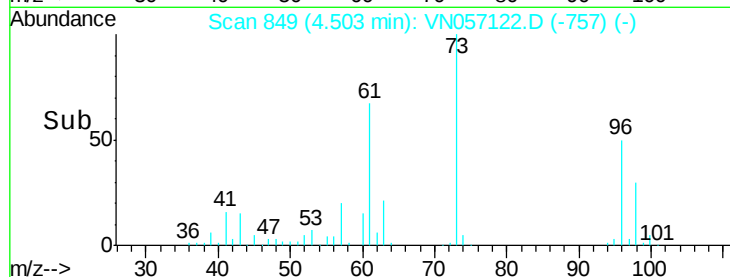
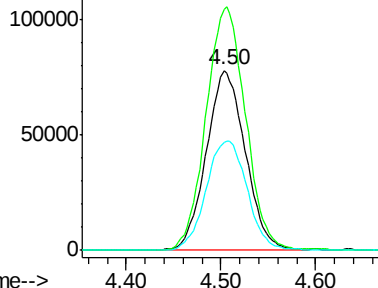
MMDadoda  
8/9/2019 9:27:56 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.152 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Tgt Ion: 45 Resp: 664221

Ion Ratio Lower Upper

45 100

43 70.8 54.1 81.1

87 29.5 24.0 36.0

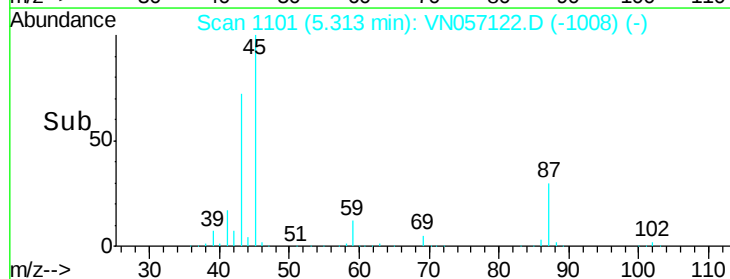
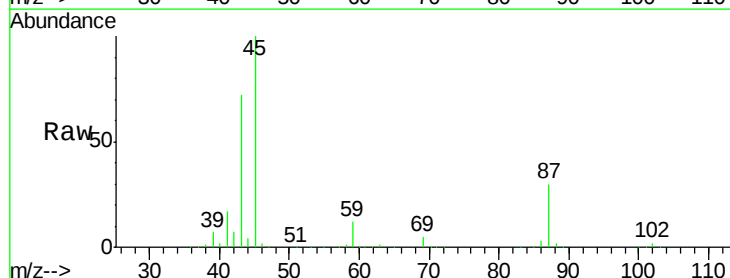
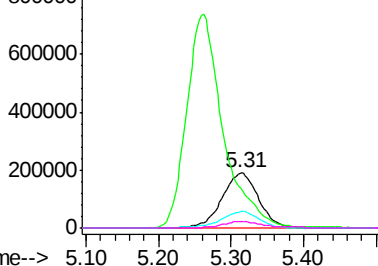
59 11.6 10.0 15.0

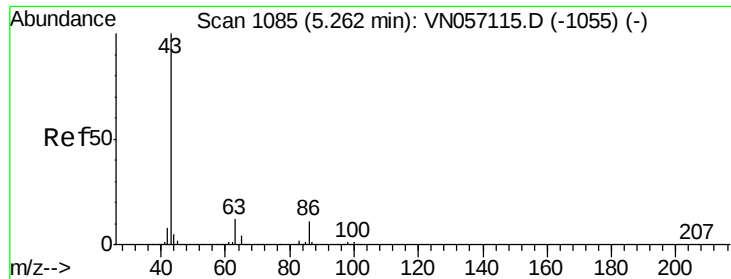
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 102.019 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampled :

VN0808WBS01

Tot Ion: 43 Resp: 2575009

Ion Ratio Lower Upper

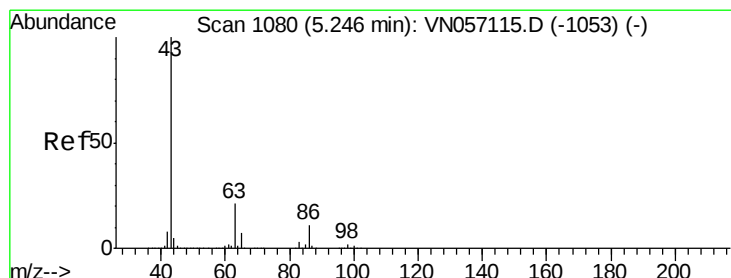
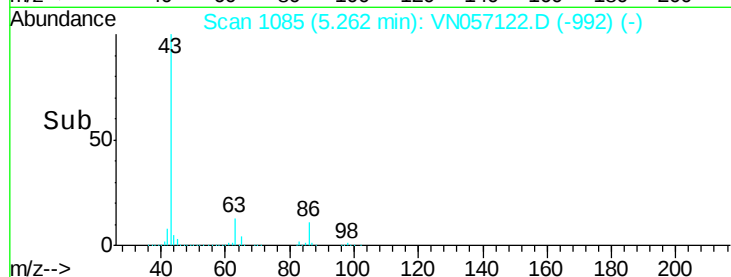
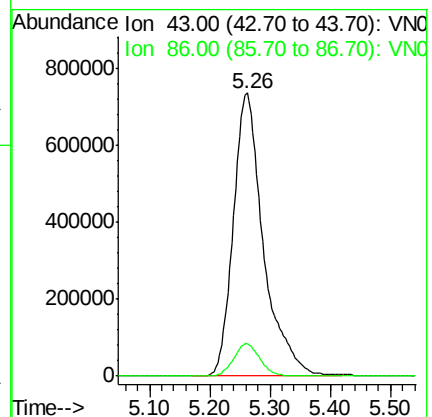
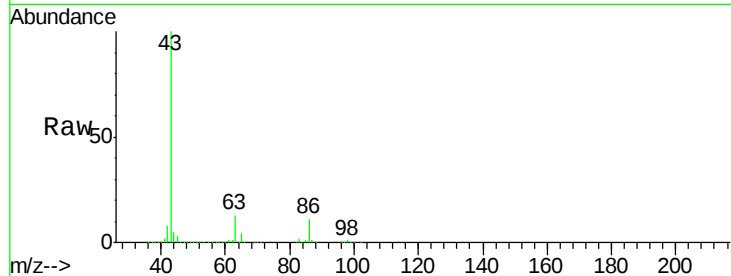
43 100

86 11.4 9.2 13.8

Manual Integrations  
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#24

1,1-Dichloroethane

Concen: 19.851 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

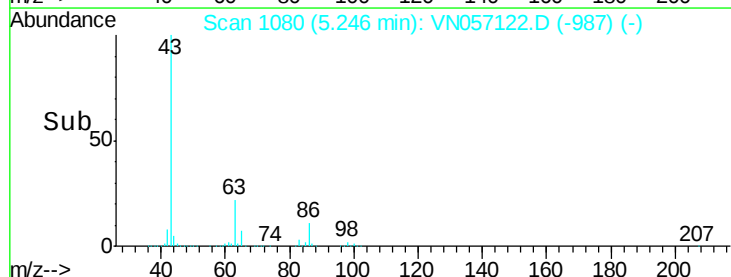
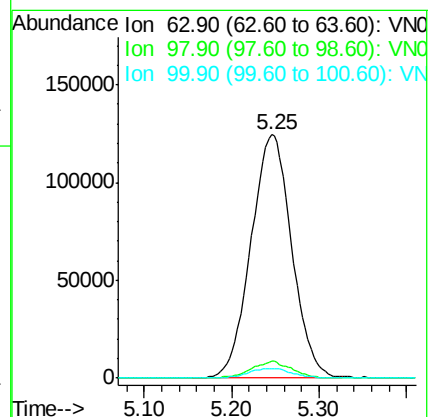
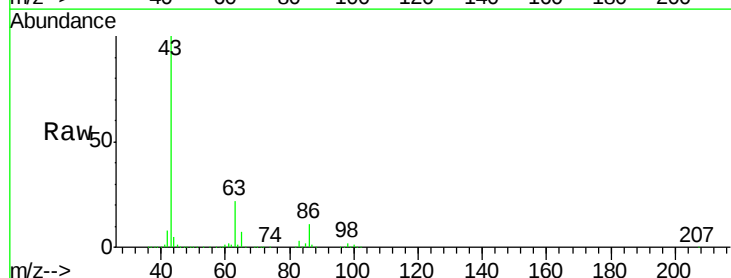
Tgt Ion: 63 Resp: 402237

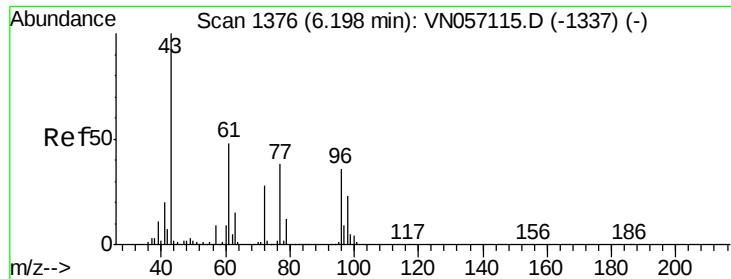
Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 103.186 ug/l

RT: 6.20 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion: 43 Resp: 598358

Ion Ratio Lower Upper

43 100

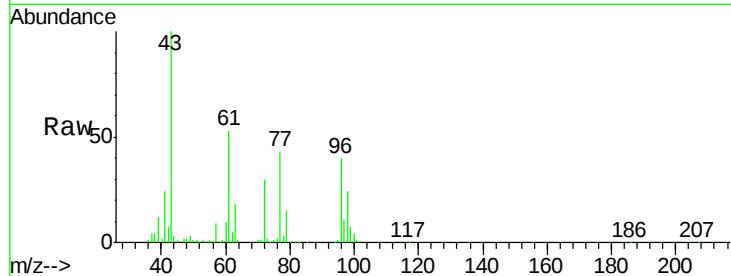
72 29.6 22.2 33.4

Manual Integrations

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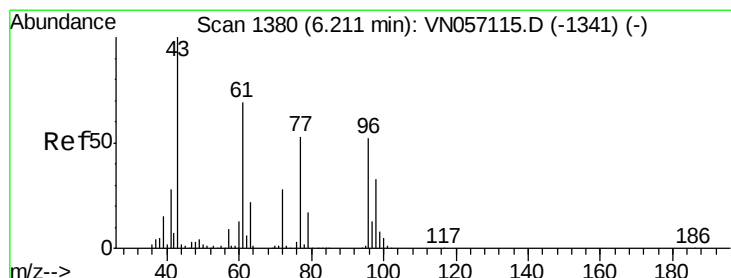
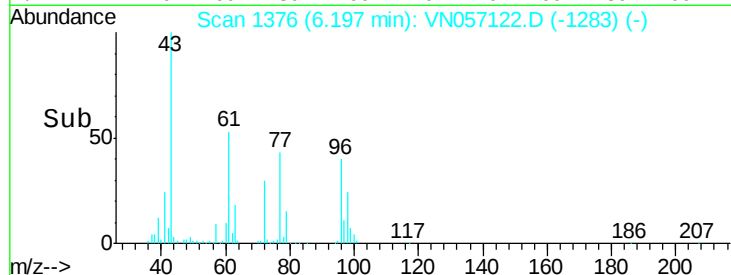
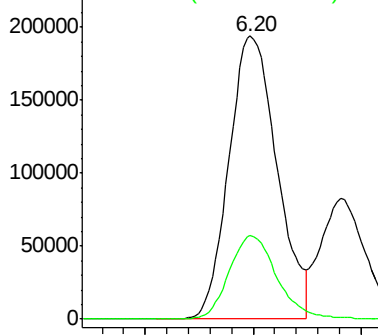
MMDadoda

8/9/2019 9:27:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 21.726 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057122.D

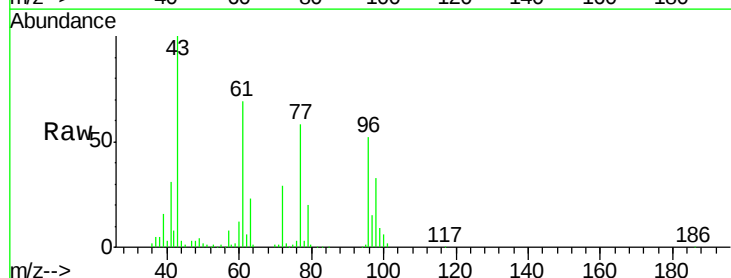
Acq: 8 Aug 2019 11:08

Tgt Ion: 77 Resp: 320282

Ion Ratio Lower Upper

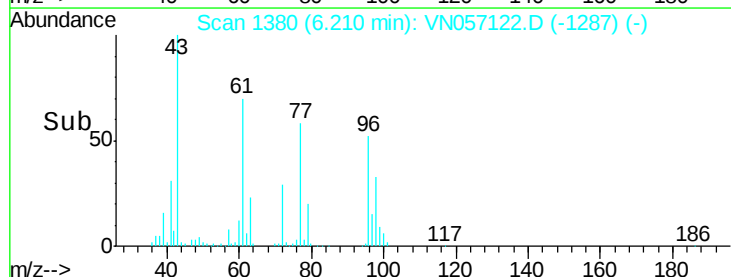
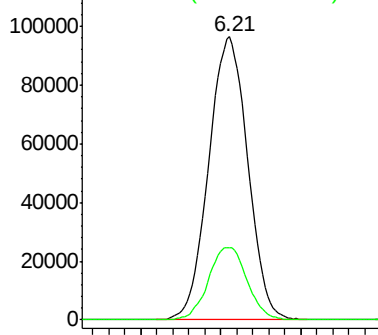
77 100

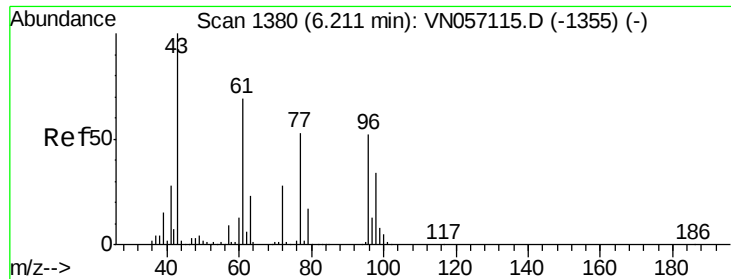
97 25.3 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





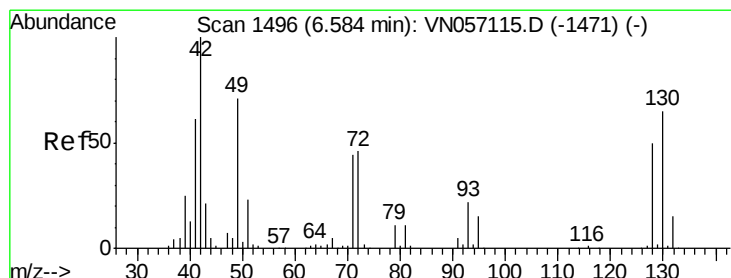
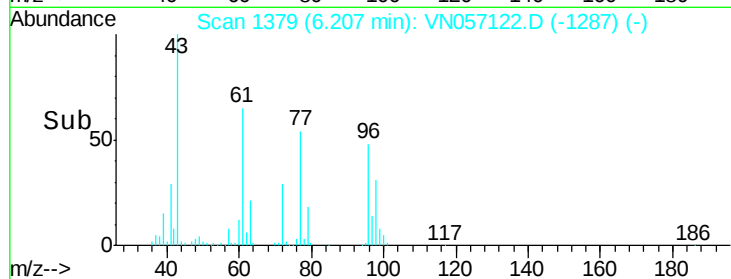
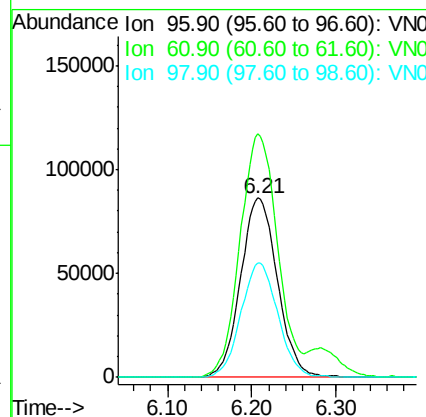
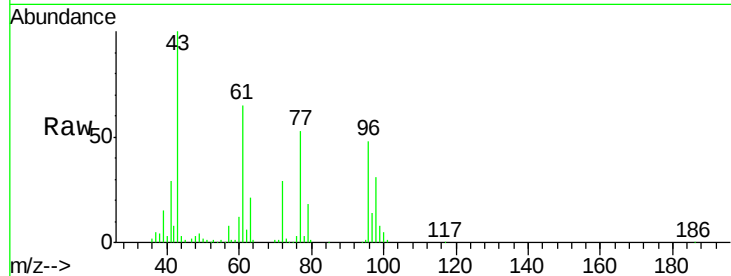
#27  
 cis-1,2-Dichloroethene  
 Concen: 20.241 ug/l  
 RT: 6.21 min Scan# 1379  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 262662 |       |       |
| 61      | 138.0 | 0.0    | 273.4 |       |
| 98      | 64.0  | 0.0    | 130.4 |       |

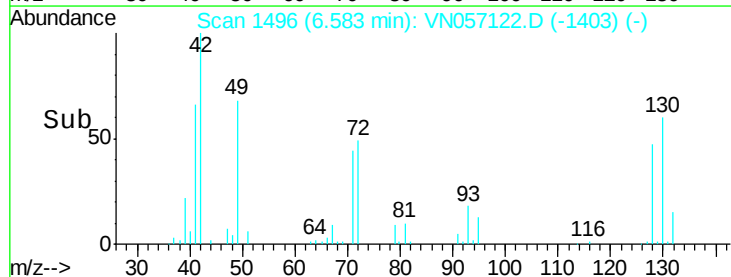
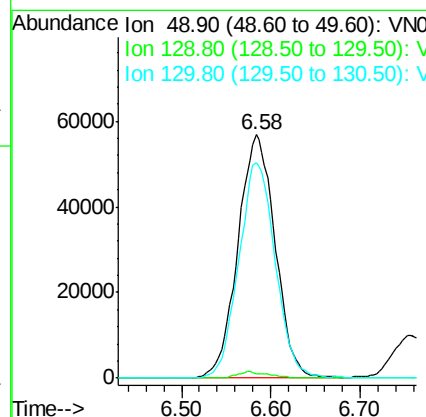
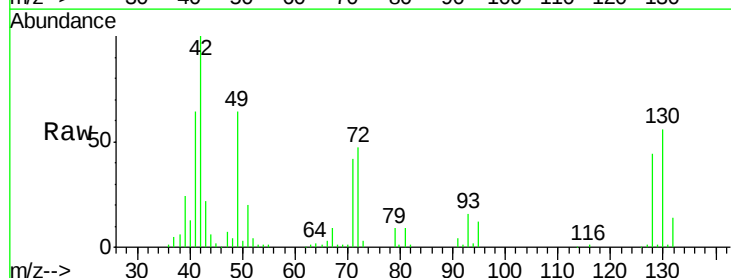
Manual Integrations  
 APPROVED

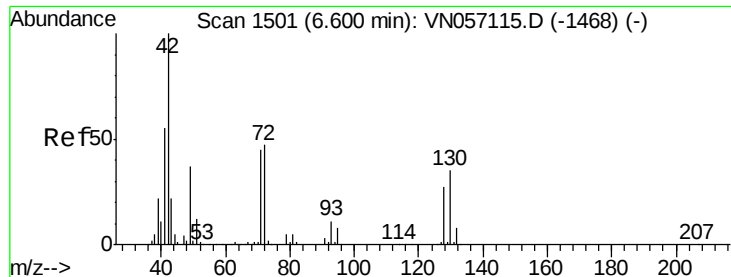
MMDadoda  
 8/9/2019 9:27:56 AM



#28  
 Bromochloromethane  
 Concen: 17.595 ug/l  
 RT: 6.58 min Scan# 1496  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 163983 |       |       |
| 129     | 2.2   | 0.0    | 4.8   |       |
| 130     | 87.0  | 73.8   | 110.8 |       |





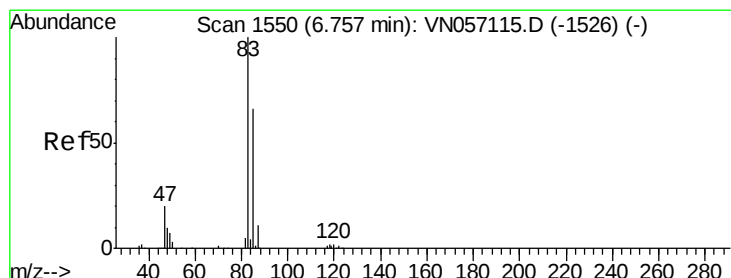
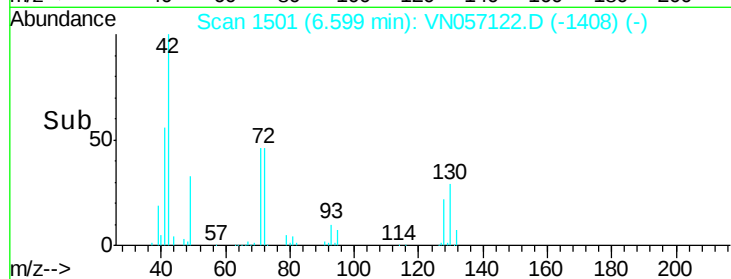
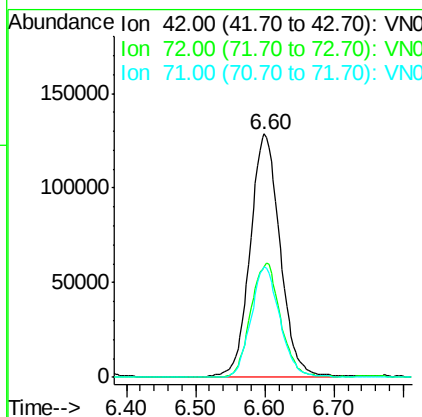
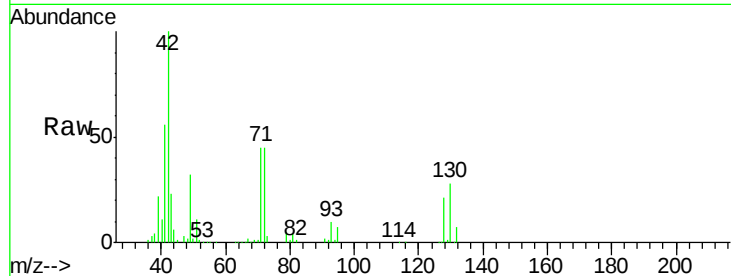
#29  
Tetrahydrofuran  
Concen: 98.813 ug/l  
RT: 6.60 min Scan# 1501  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.5  | 37.1  | 55.7  |
| 71      | 43.7  | 34.8  | 52.2  |

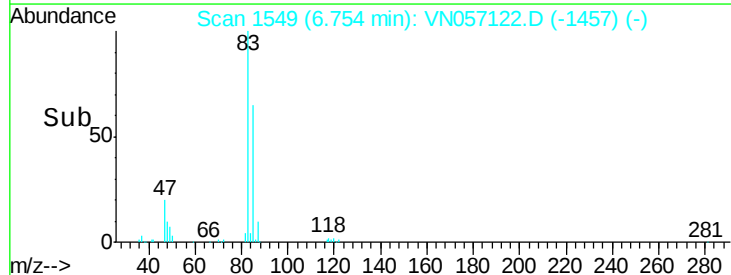
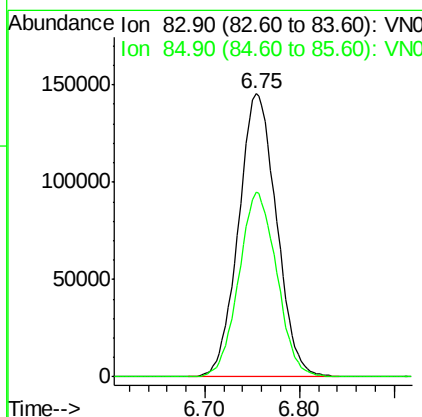
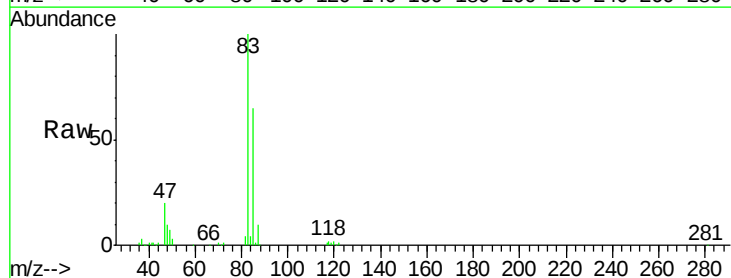
Manual Integrations  
APPROVED

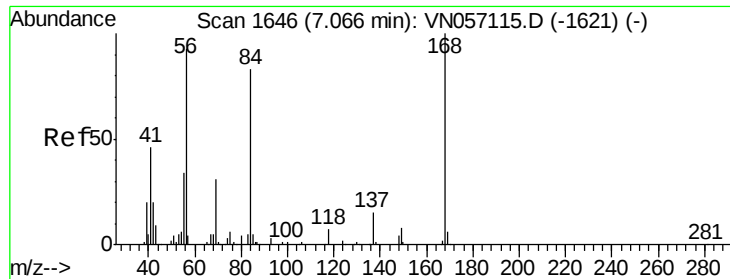
MMDadoda  
8/9/2019 9:27:56 AM



#30  
Chloroform  
Concen: 19.360 ug/l  
RT: 6.75 min Scan# 1549  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.2  | 52.6  | 78.8  |





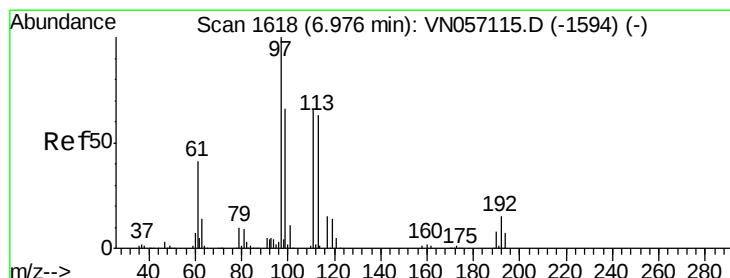
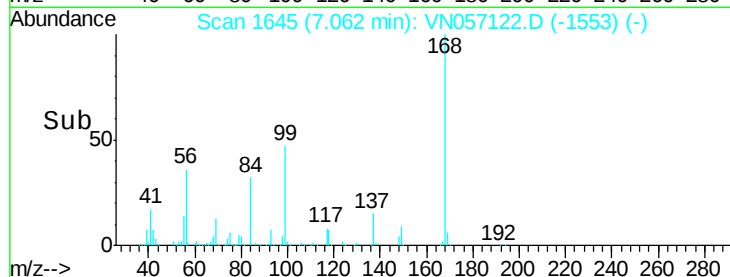
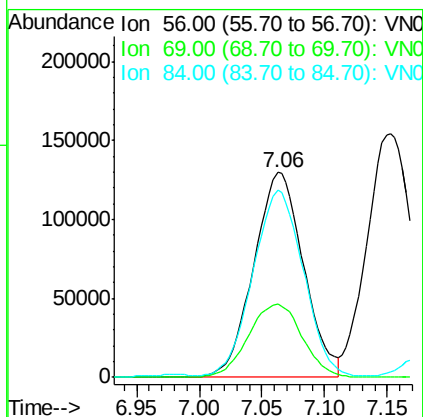
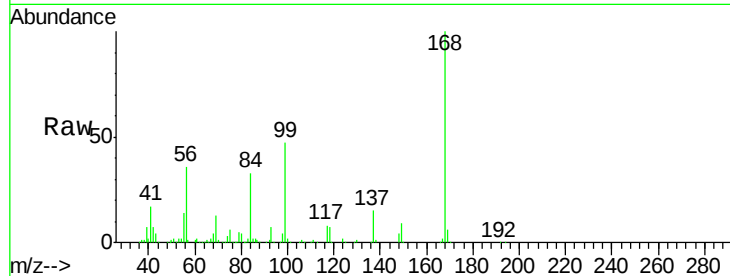
#31  
Cyclohexane  
Concen: 19.681 ug/l  
RT: 7.06 min Scan# 1645  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 35.6  | 26.9  | 40.3  |
| 84      | 90.0  | 71.9  | 107.9 |

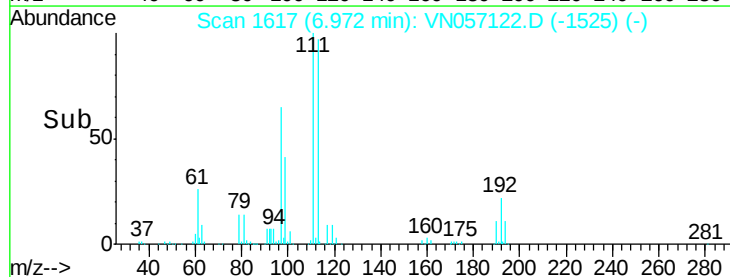
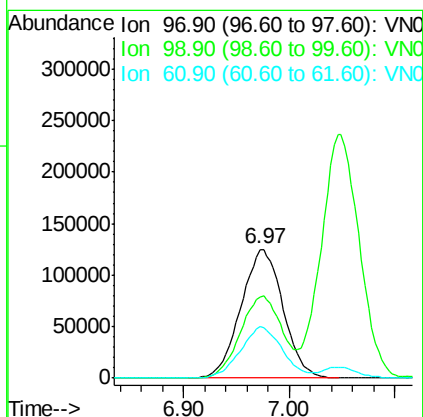
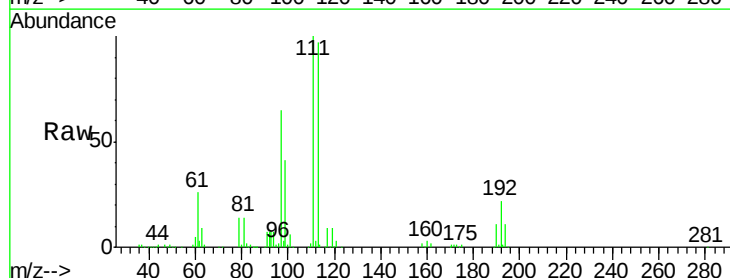
Manual Integrations  
APPROVED

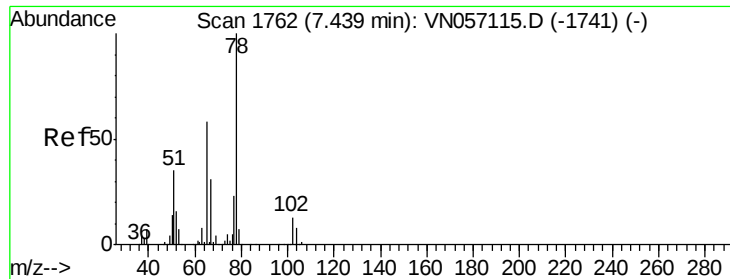
MMDadoda  
8/9/2019 9:27:56 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.733 ug/l  
RT: 6.97 min Scan# 1617  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.7  | 51.8  | 77.6  |
| 61      | 40.0  | 32.7  | 49.1  |





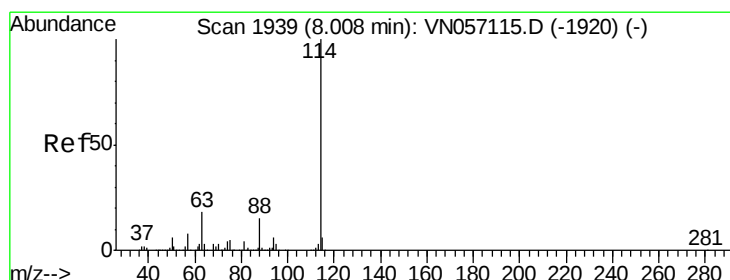
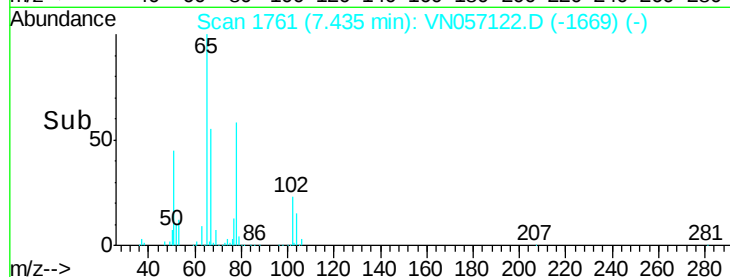
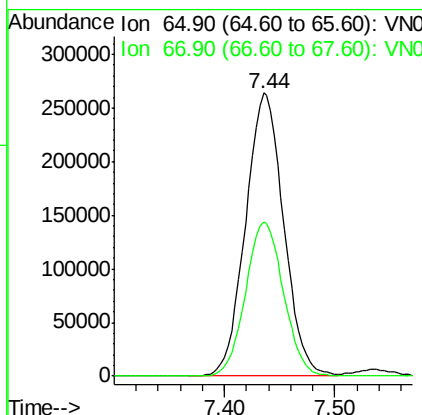
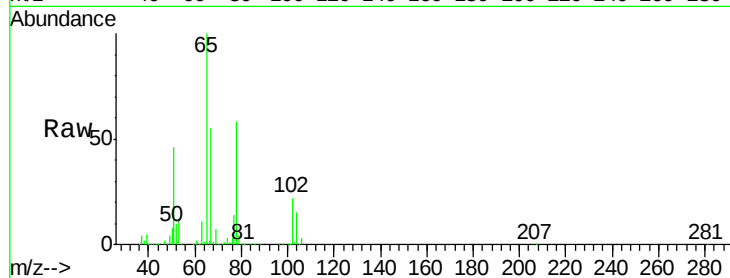
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.329 ug/l  
 RT: 7.44 min Scan# 1761  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 54.3  | 0.0  | 108.2 |       |

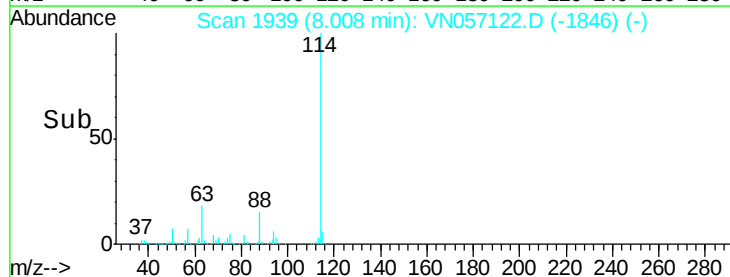
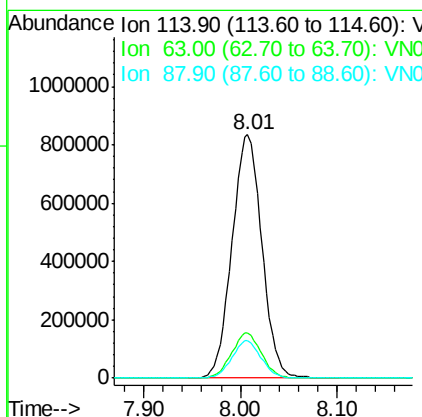
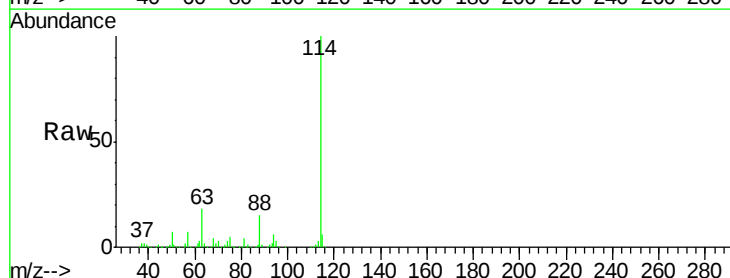
Manual Integrations  
 APPROVED

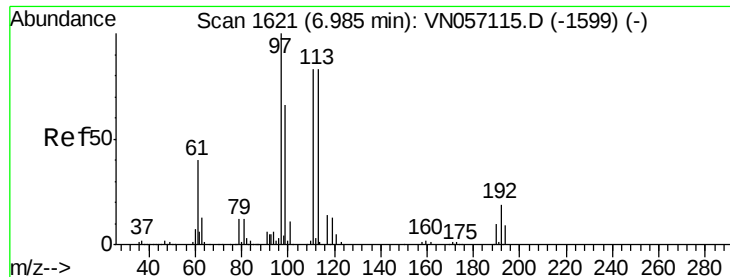
MMDadoda  
 8/9/2019 9:27:56 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 18.4  | 0.0  | 36.2  |       |
| 88      | 15.3  | 0.0  | 30.0  |       |





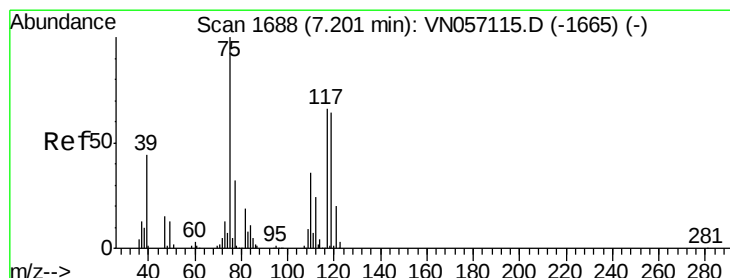
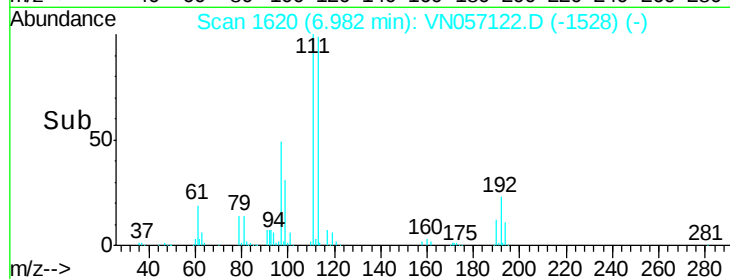
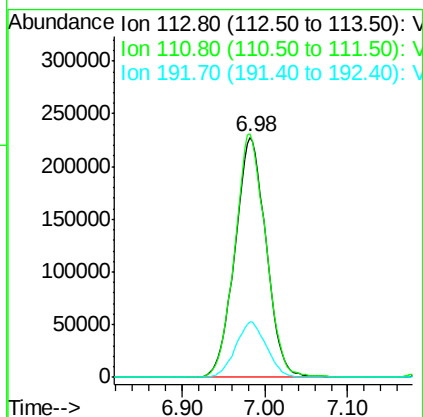
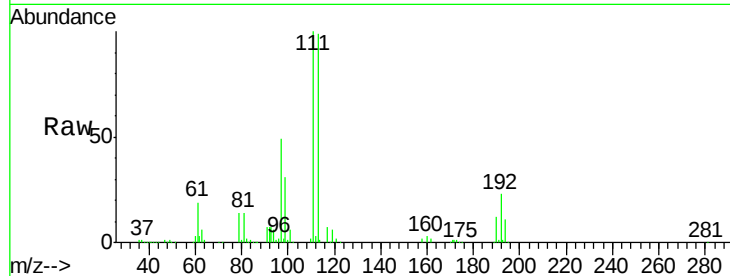
#35  
Dibromofluoromethane  
Concen: 52.905 ug/l  
RT: 6.98 min Scan# 1620  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.8 | 81.3  | 121.9 |
| 192     | 22.9  | 19.0  | 28.4  |

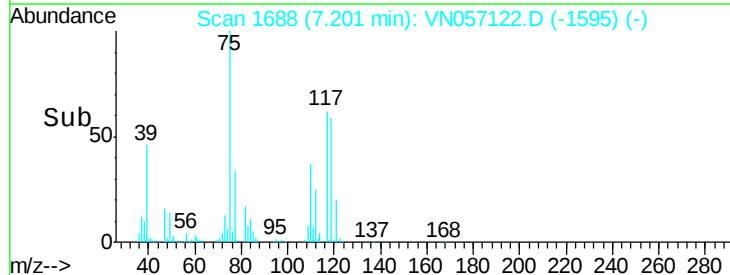
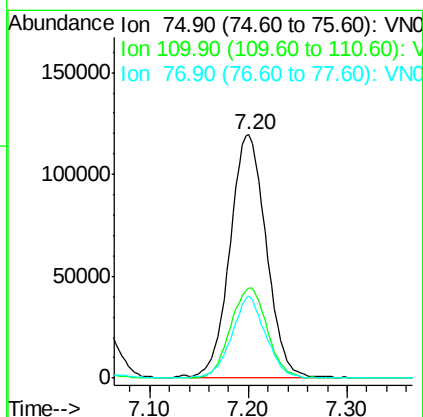
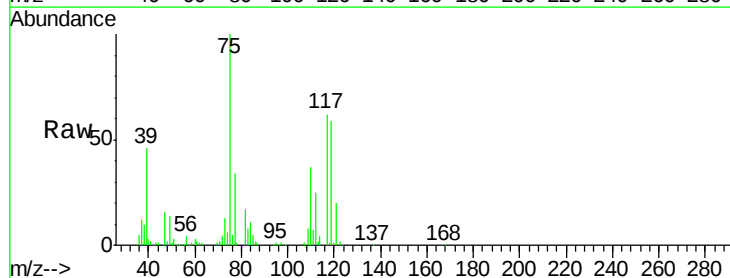
Manual Integrations  
APPROVED

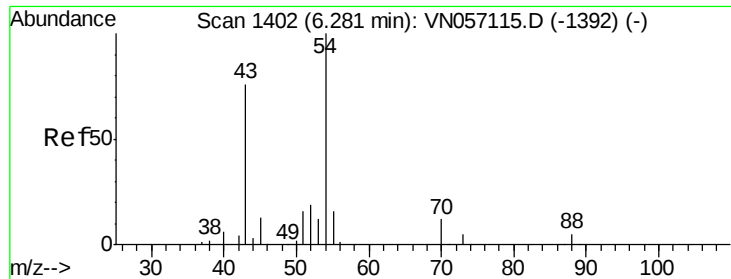
MMDadoda  
8/9/2019 9:27:56 AM



#36  
1,1-Dichloropropene  
Concen: 20.543 ug/l  
RT: 7.20 min Scan# 1688  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.6  | 18.7  | 56.1  |
| 77      | 31.7  | 25.0  | 37.4  |





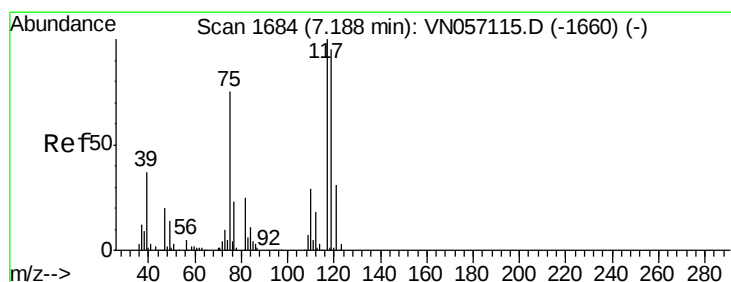
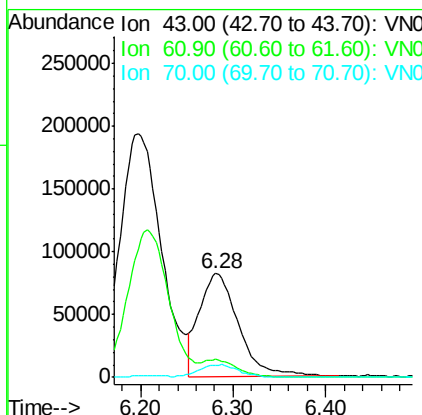
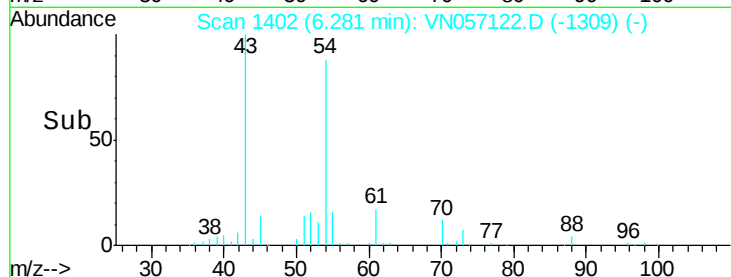
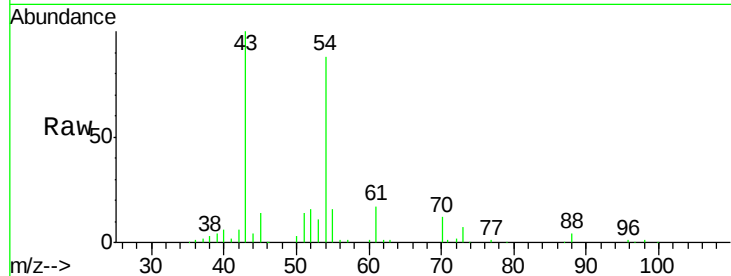
#37  
Ethyl Acetate  
Concen: 19.729 ug/l  
RT: 6.28 min Scan# 1402  
Delta R.T. 0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0808WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 239835 |       |       |
| 61      | 0.0   | 0.0    | 0.0   | 0.0   |
| 70      | 11.9  | 9.1    | 13.7  |       |

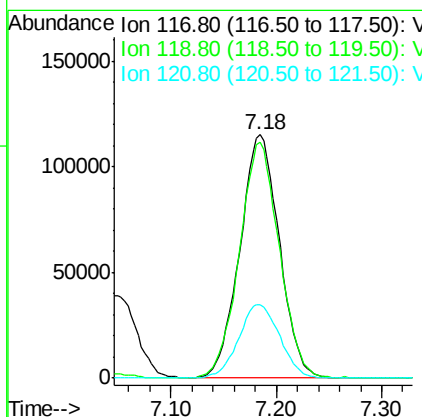
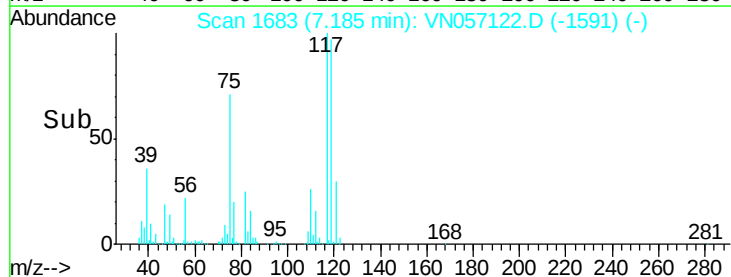
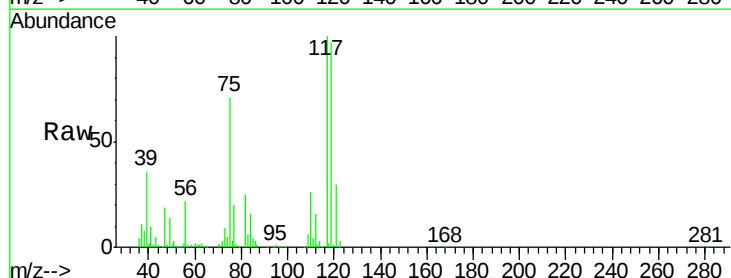
Manual Integrations  
APPROVED

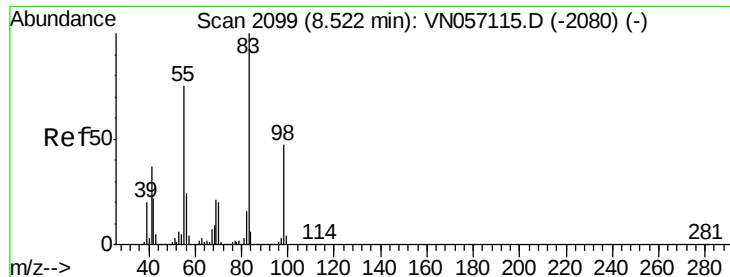
MMDadoda  
8/9/2019 9:27:56 AM



#38  
Carbon Tetrachloride  
Concen: 19.432 ug/l  
RT: 7.18 min Scan# 1683  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 298530 |       |       |
| 119     | 97.1  | 75.8   | 113.6 |       |
| 121     | 30.1  | 24.4   | 36.6  |       |





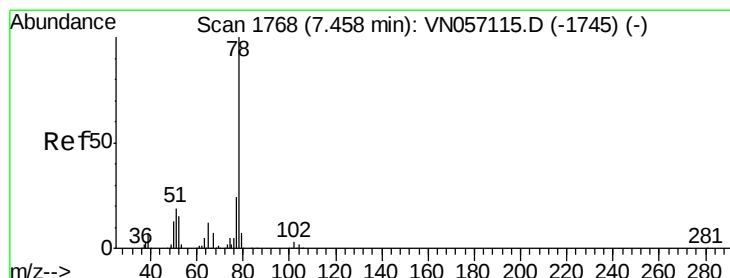
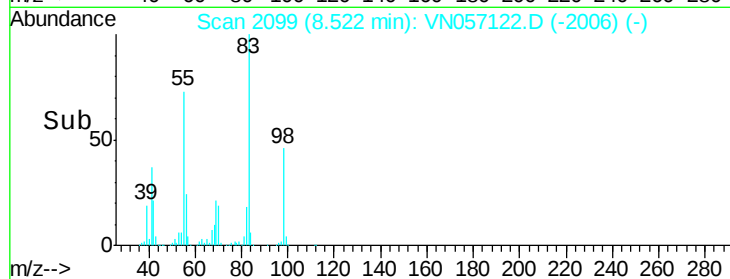
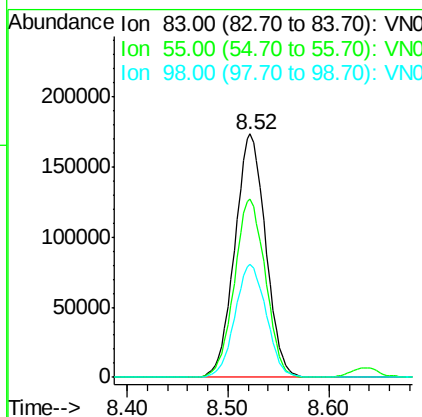
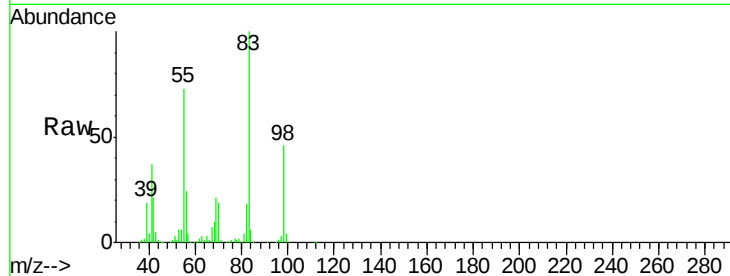
#39  
Methvlcvclohexane  
Concen: 20.537 ug/l  
RT: 8.52 min Scan# 2099  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 73.2  | 60.3  | 90.5  |
| 98      | 46.3  | 37.9  | 56.9  |

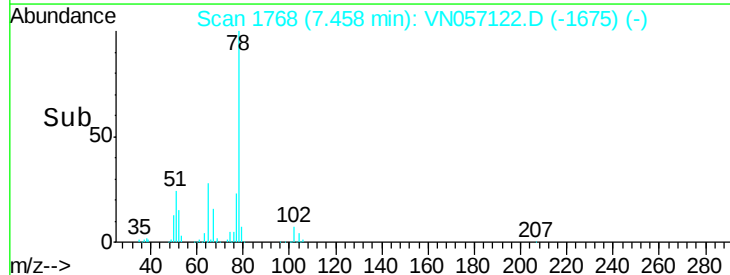
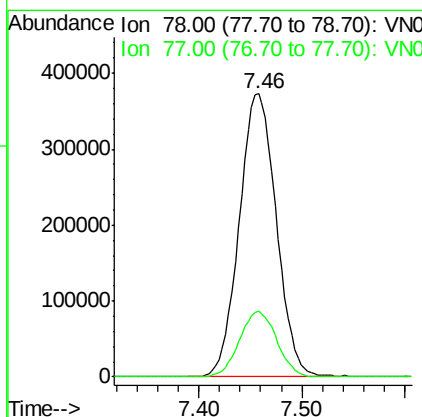
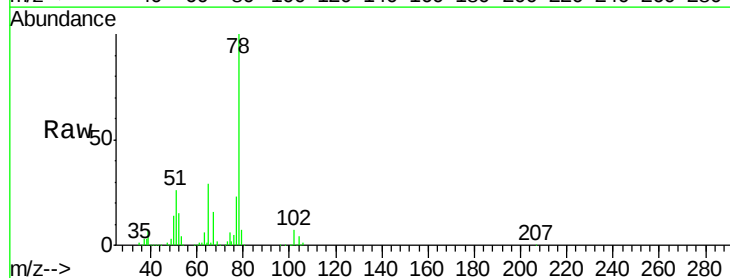
Manual Integrations  
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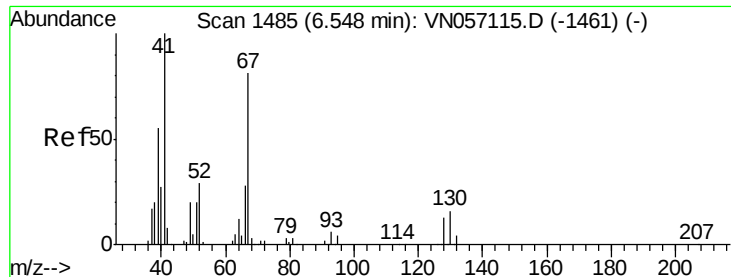
MMDadoda  
8/9/2019 9:27:56 AM



#40  
Benzene  
Concen: 19.953 ug/l  
RT: 7.46 min Scan# 1768  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.2  | 19.2  | 28.8  |





#41

Methacrylonitrile

Concen: 20.551 ug/l

RT: 6.55 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion: 41 Resp: 126854

Ion Ratio Lower Upper

41 100

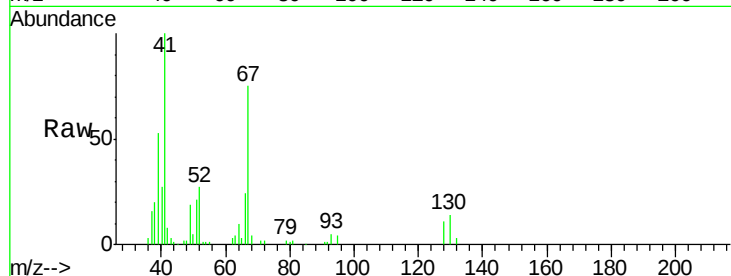
39 57.5 44.9 67.3

67 84.9 69.1 103.7

52 30.7 25.8 38.6

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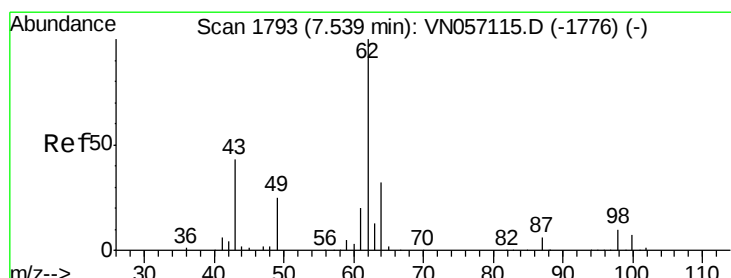
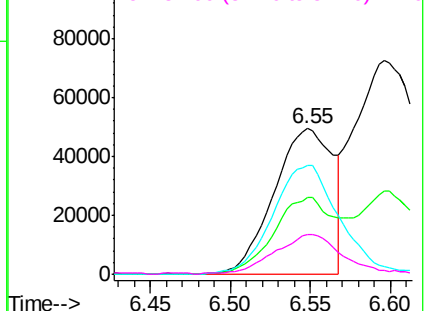
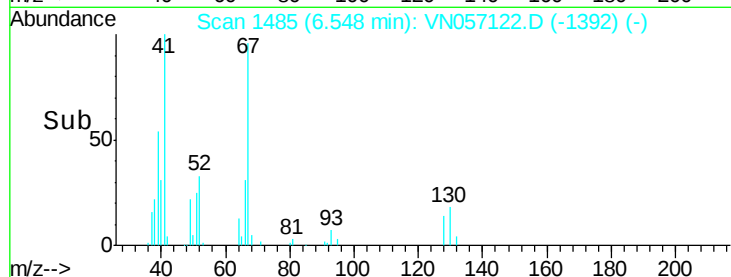


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.671 ug/l

RT: 7.54 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VN057122.D

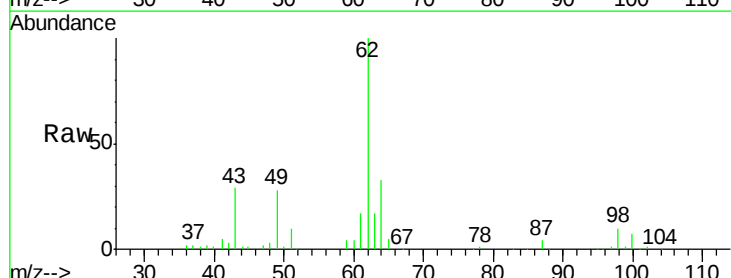
Acq: 8 Aug 2019 11:08

Tgt Ion: 62 Resp: 292769

Ion Ratio Lower Upper

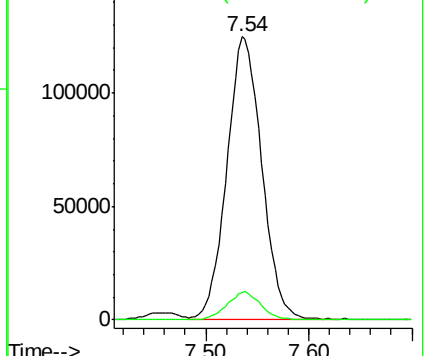
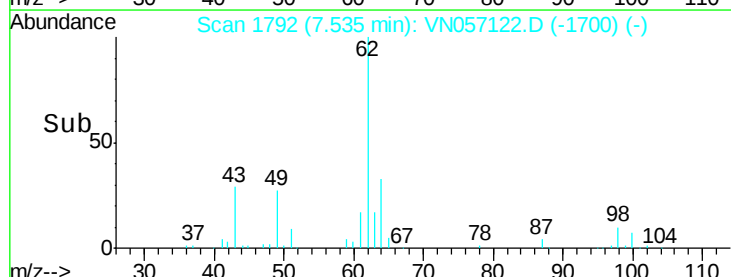
62 100

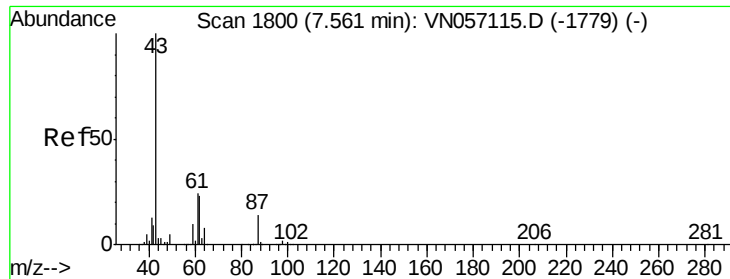
98 9.7 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.587 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

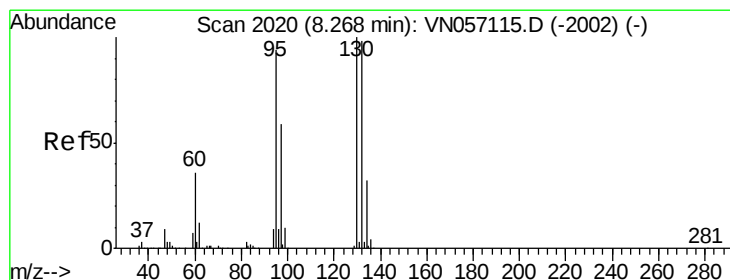
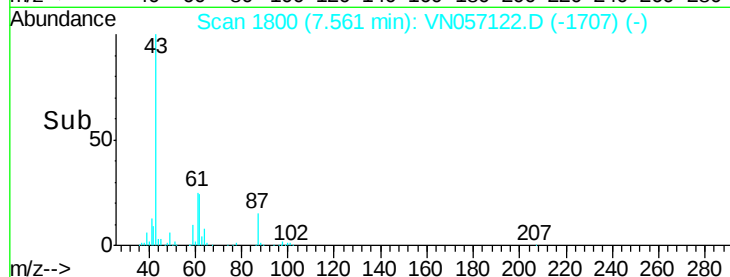
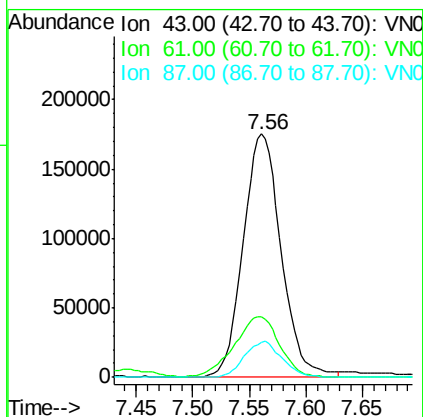
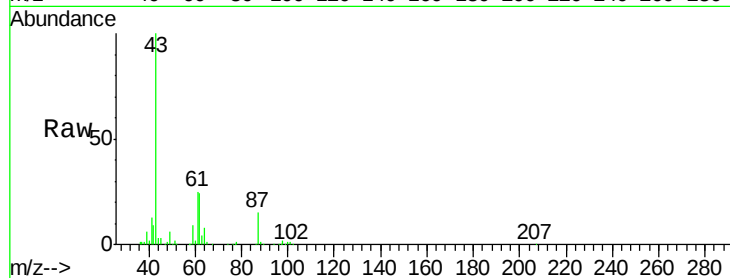
ClientSampleId :

VN0808WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 406186 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 29.4  | 24.2  | 36.2   |
| 87       | 14.9  | 11.8  | 17.8   |

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8/9/2019 9:27:56 AM



#44

Trichloroethene

Concen: 20.540 ug/l

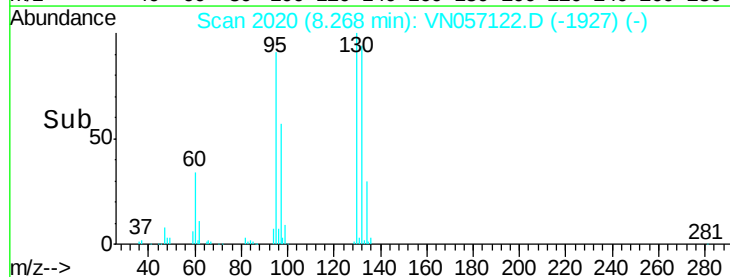
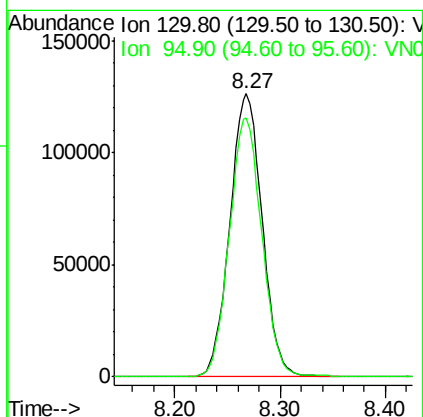
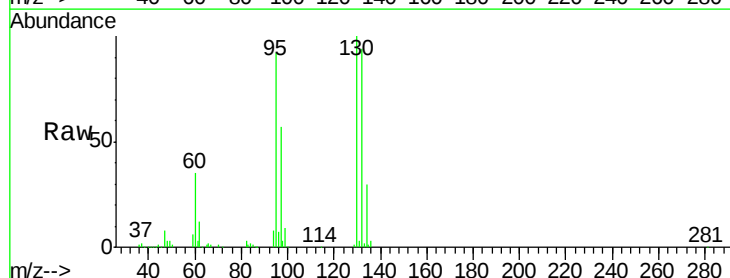
RT: 8.27 min Scan# 2020

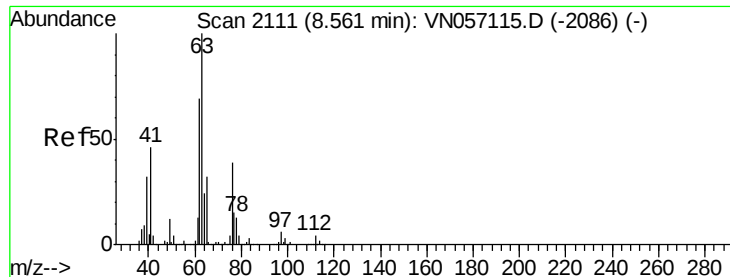
Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 268535 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 91.7  | 0.0   | 187.4  |





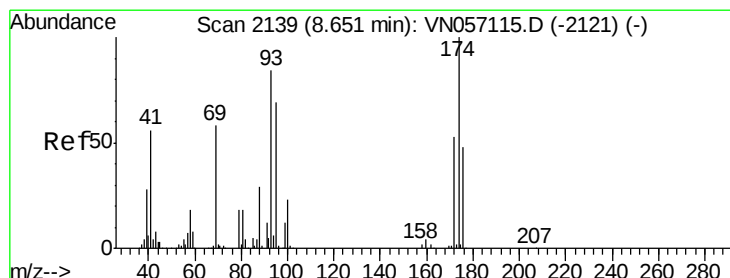
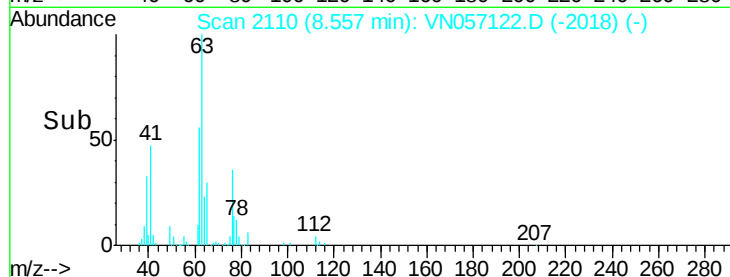
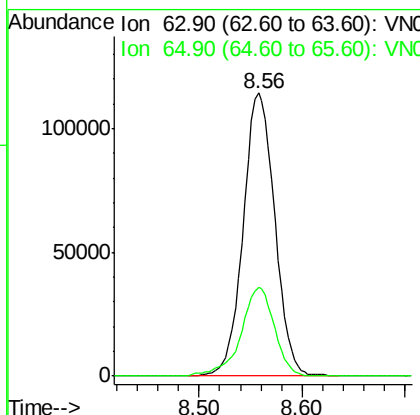
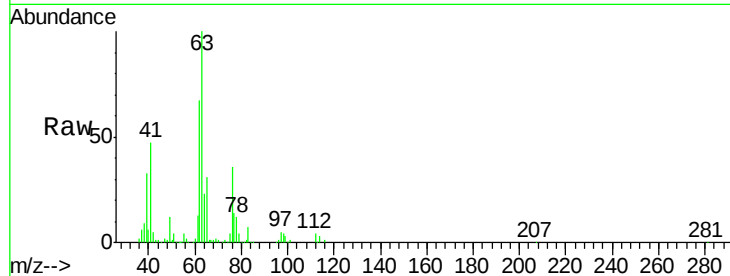
#45  
 1,2-Dichloropropane  
 Concen: 20.156 ug/l  
 RT: 8.56 min Scan# 2110  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.5  | 25.2  | 37.8  |

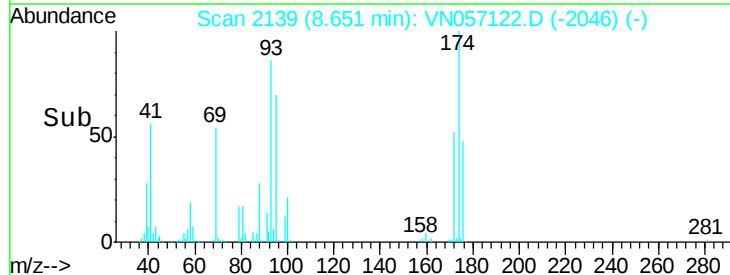
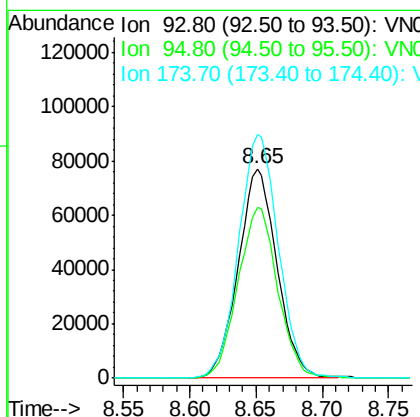
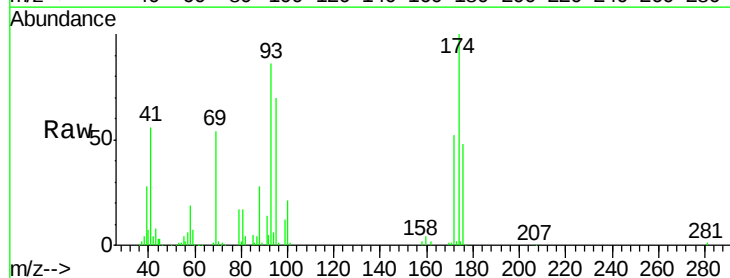
Manual Integrations  
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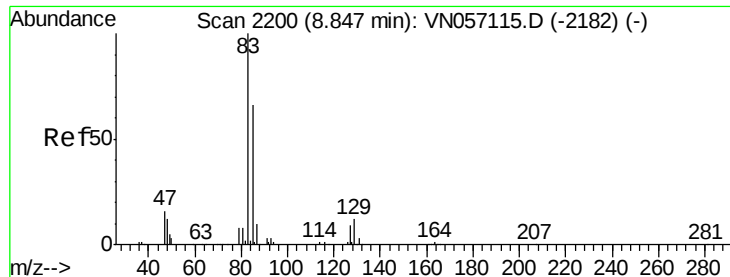
MMDadoda  
 8/9/2019 9:27:56 AM



#46  
 Dibromomethane  
 Concen: 20.211 ug/l  
 RT: 8.65 min Scan# 2139  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.3  | 66.0  | 99.0  |
| 174     | 119.5 | 96.0  | 144.0 |





#47

Bromodichloromethane

Concen: 20.223 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

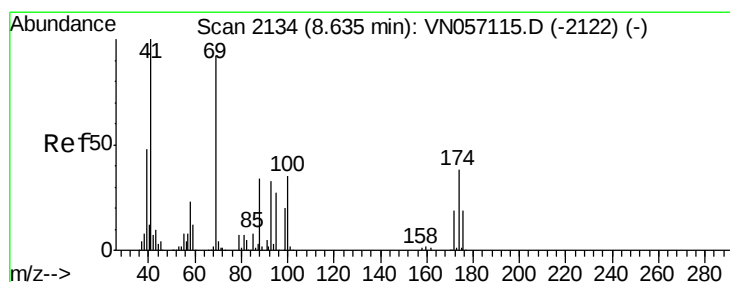
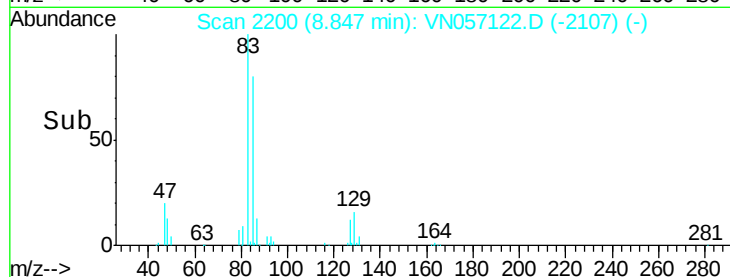
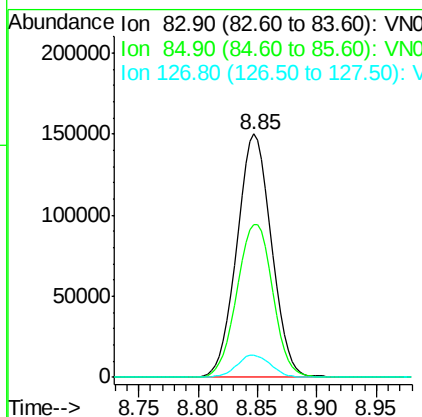
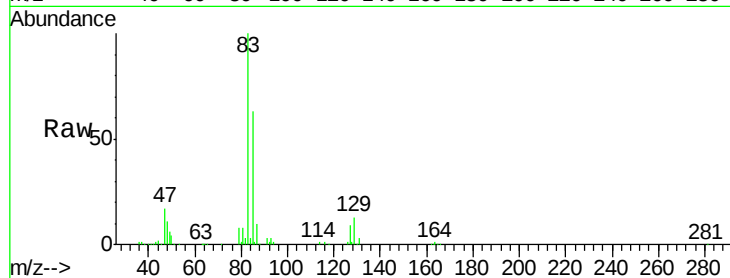
ClientSampleId :

VN0808WBS01

| Tot Ion   | 83    | Resp  | 303165 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.6  | 52.6  | 78.8   |
| 127       | 9.3   | 7.5   | 11.3   |

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8/9/2019 9:27:56 AM



#48

Methyl methacrylate

Concen: 19.096 ug/l

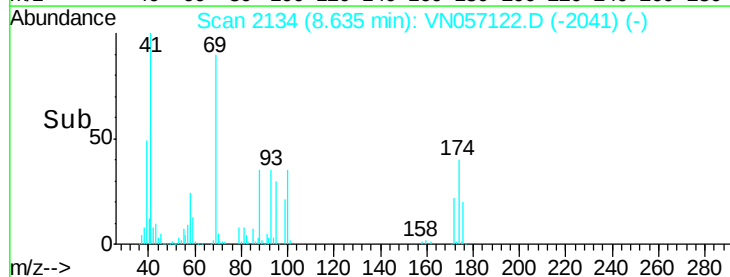
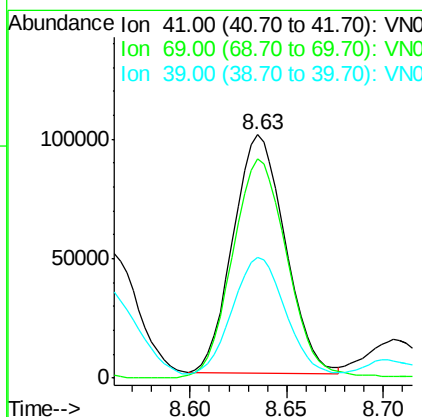
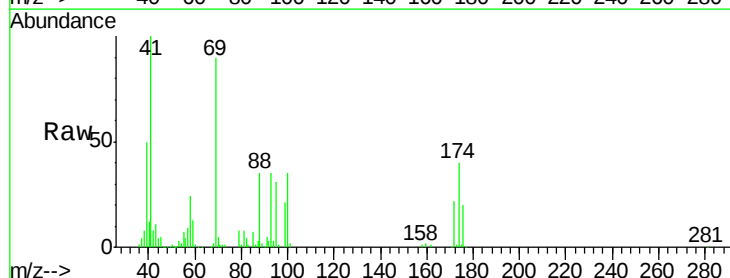
RT: 8.63 min Scan# 2134

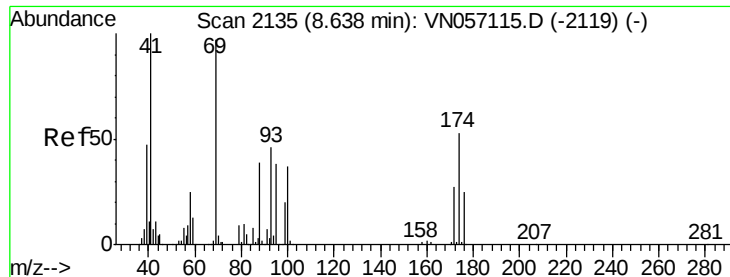
Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

| Tgt Ion   | 41    | Resp  | 186728 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 97.3  | 77.5  | 116.3  |
| 39        | 53.0  | 39.8  | 59.6   |





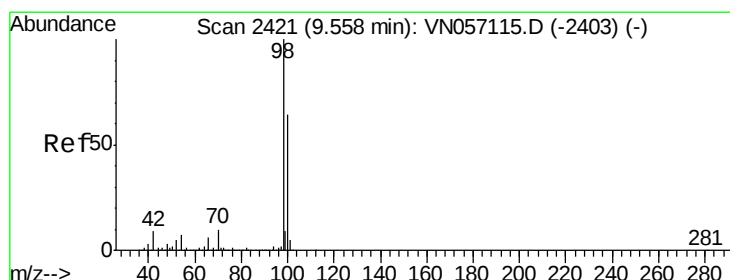
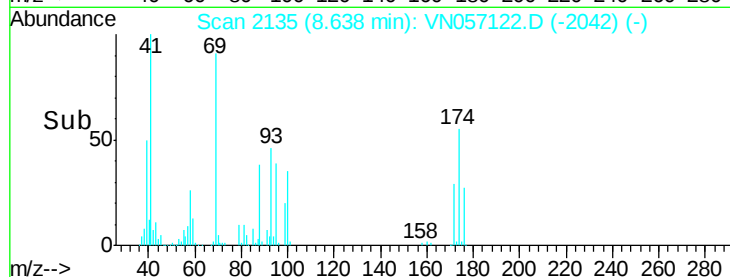
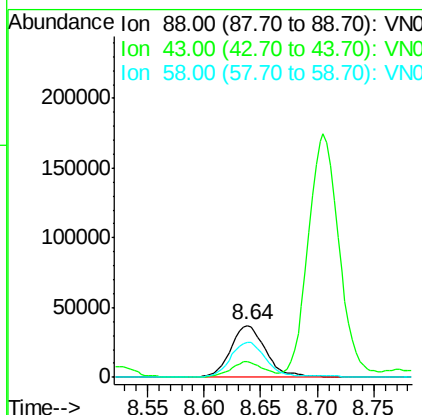
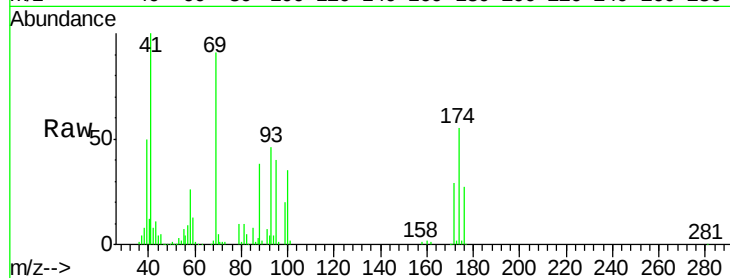
#49  
1,4-Dioxane  
Concen: 407.661 ug/l  
RT: 8.64 min Scan# 2135  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion | 88    | Resp  | 81188 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 29.0  | 21.7  | 32.5  |
| 58      | 67.5  | 51.1  | 76.7  |

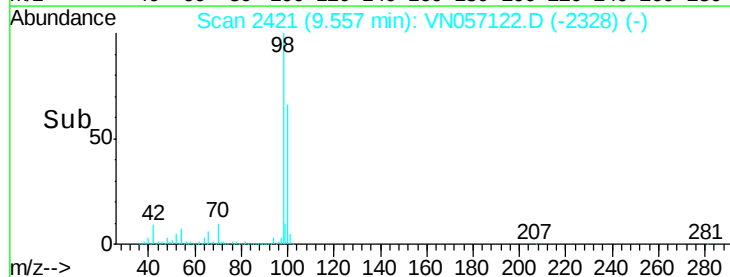
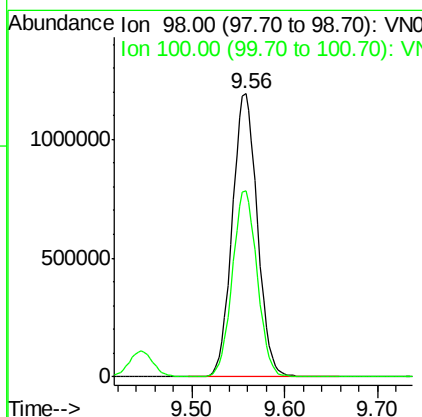
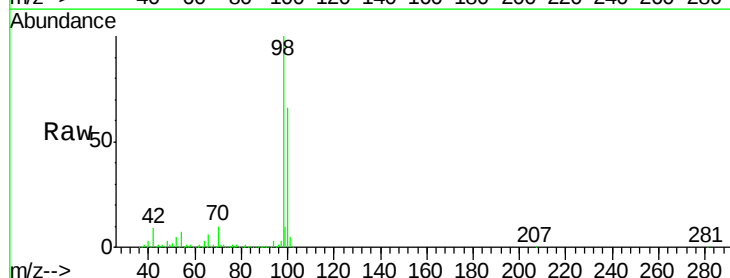
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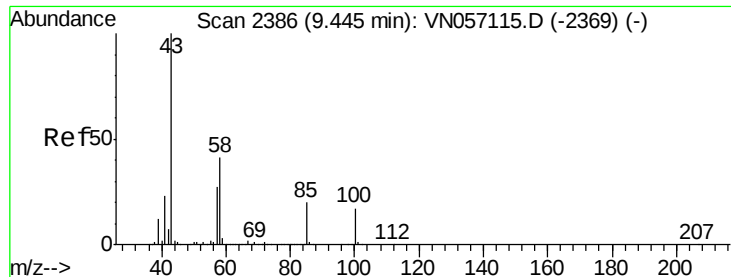
MMDadoda  
8/9/2019 9:27:56 AM



#50  
Toluene-d8  
Concen: 51.926 ug/l  
RT: 9.56 min Scan# 2421  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | 98    | Resp  | 2231908 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 65.4  | 51.2  | 76.8    |





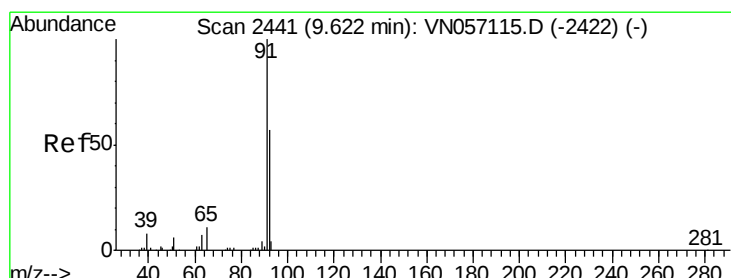
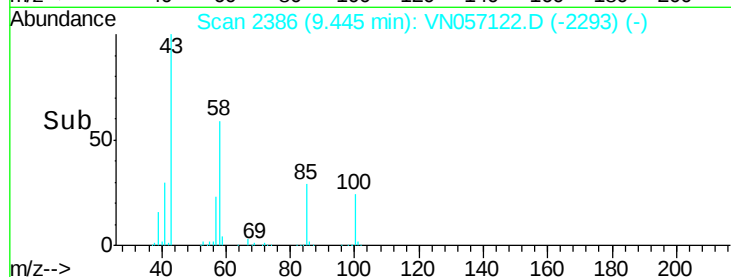
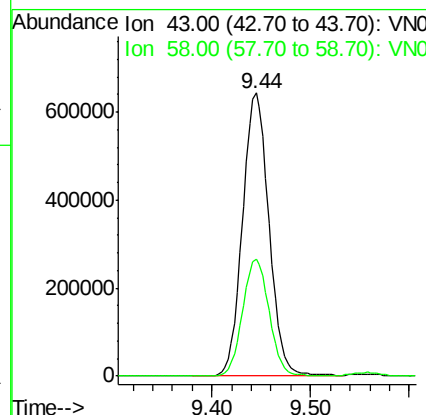
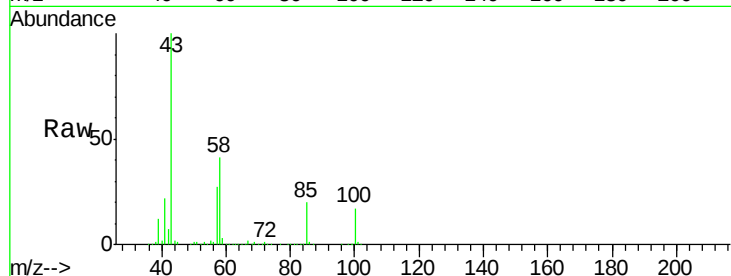
#51  
4-Methyl-2-Pentanone  
Concen: 98.942 ug/l  
RT: 9.44 min Scan# 2386  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

Tot Ion: 43 Resp: 1194110  
Ion Ratio Lower Upper  
43 100  
58 41.6 33.2 49.8

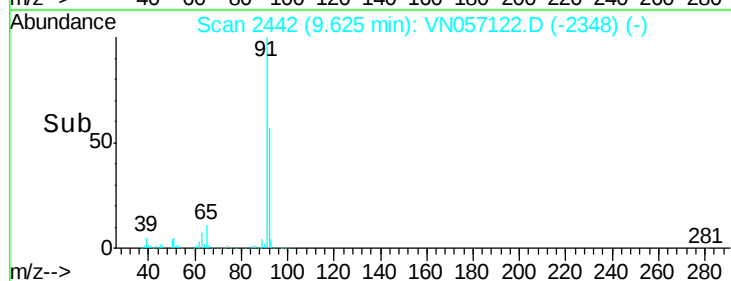
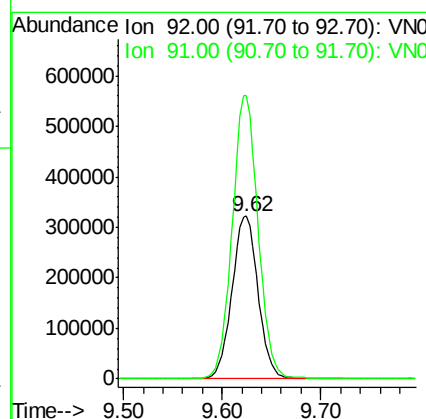
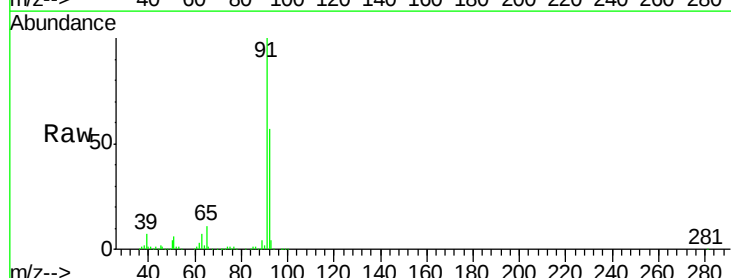
Manual Integrations  
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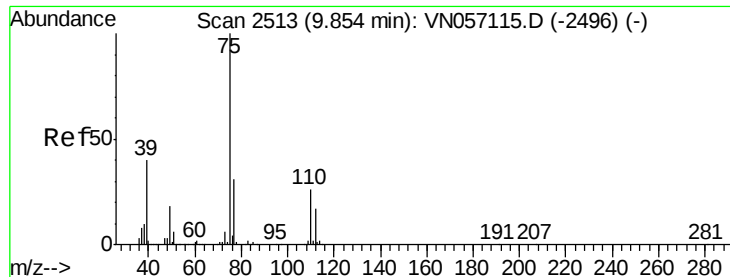
MMDadoda  
8/9/2019 9:27:56 AM



#52  
Toluene  
Concen: 20.543 ug/l  
RT: 9.62 min Scan# 2442  
Delta R.T. 0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Tgt Ion: 92 Resp: 595066  
Ion Ratio Lower Upper  
92 100  
91 172.5 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 20.842 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion: 75 Resp: 326404

Ion Ratio Lower Upper

75 100

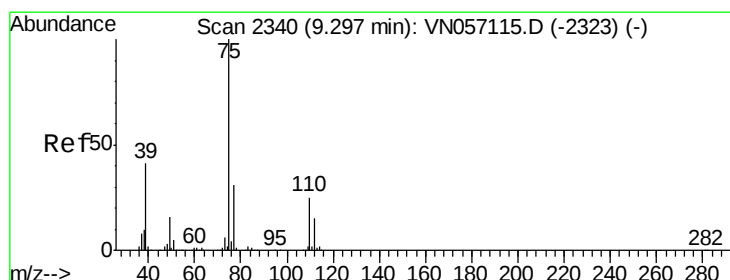
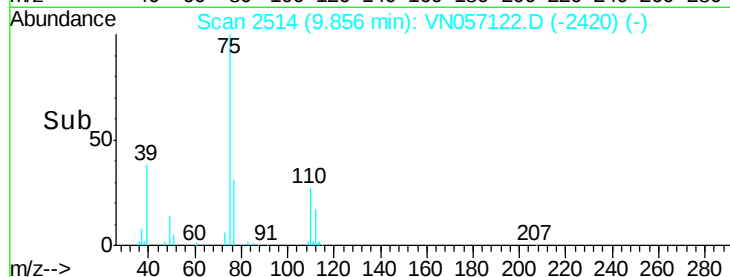
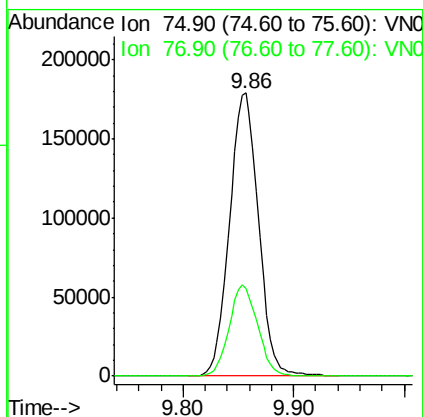
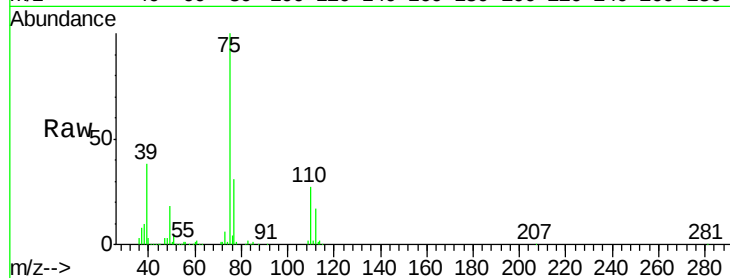
77 31.1 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 20.879 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

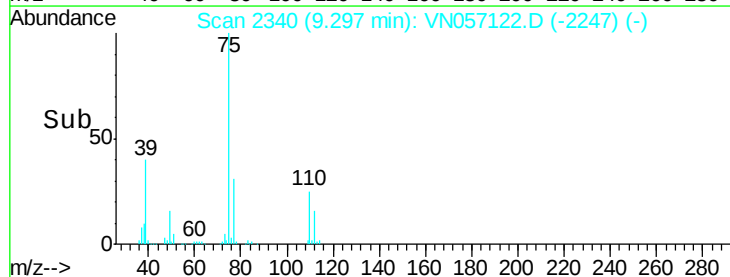
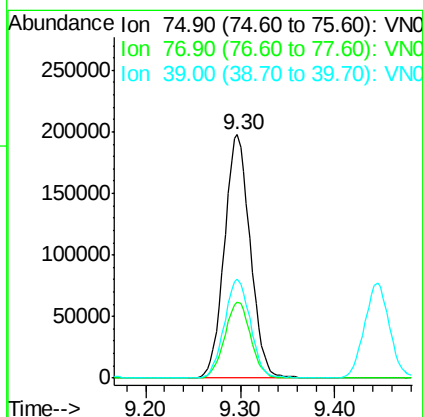
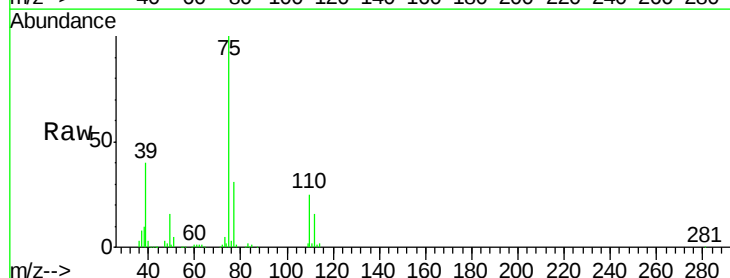
Tgt Ion: 75 Resp: 375193

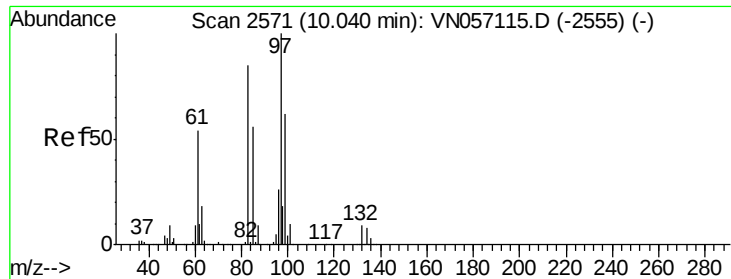
Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 40.3 32.5 48.7





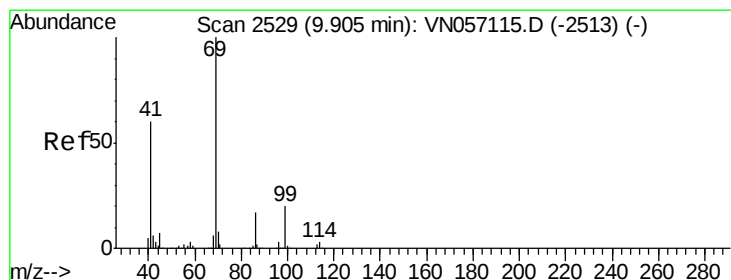
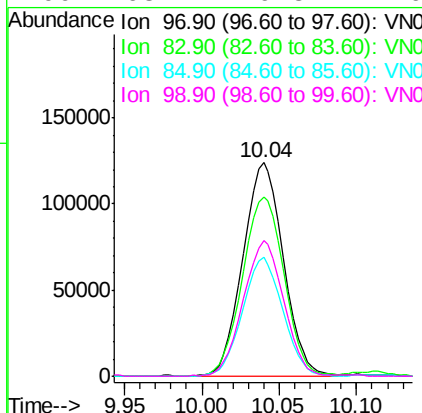
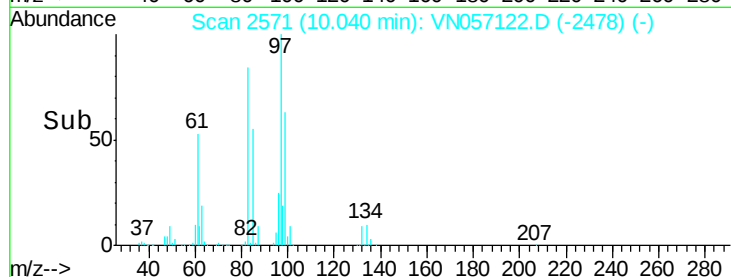
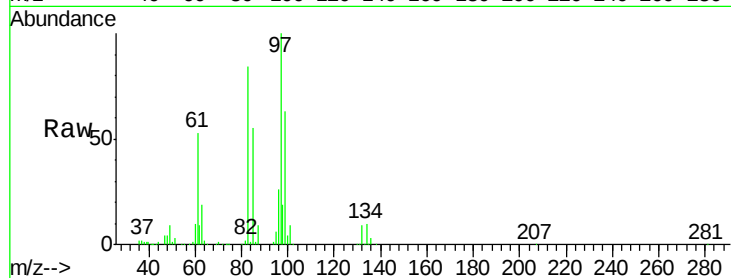
#55  
 1,1,2-Trichloroethane  
 Concen: 19.860 ug/l  
 RT: 10.04 min Scan# 2571  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 226218 |       |       |
| 83      | 84.1 | 67.8  | 101.8  |       |       |
| 85      | 55.5 | 44.4  | 66.6   |       |       |
| 99      | 63.2 | 49.8  | 74.6   |       |       |

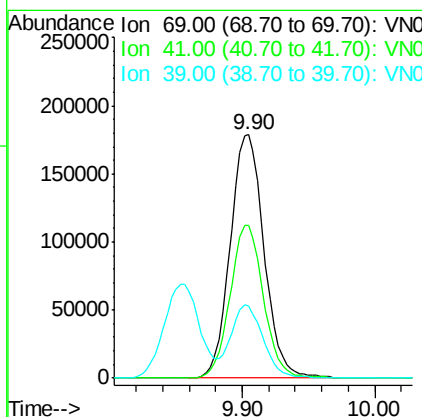
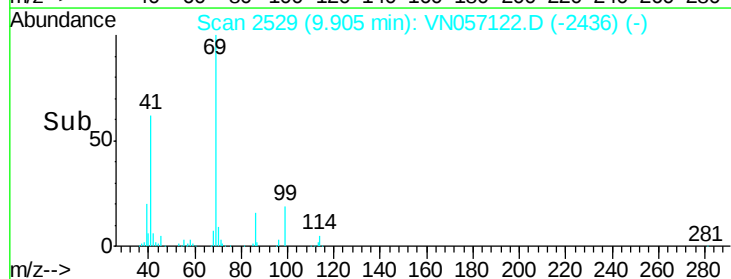
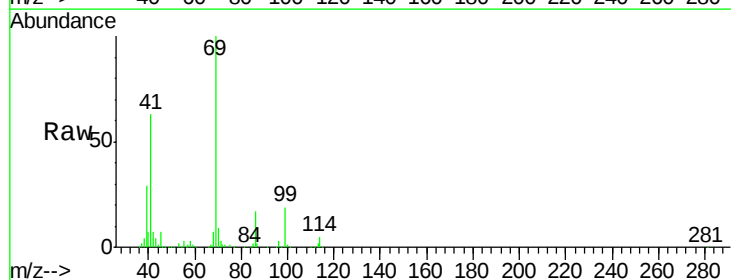
Manual Integrations  
 APPROVED

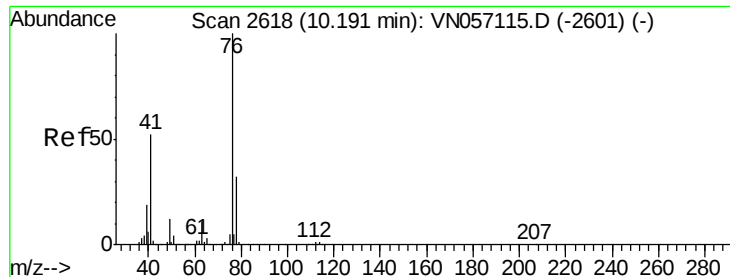
MMDadoda  
 8/9/2019 9:27:56 AM



#56  
 Ethyl methacrylate  
 Concen: 19.841 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 316437 |       |       |
| 41      | 61.1 | 48.1  | 72.1   |       |       |
| 39      | 28.1 | 23.6  | 35.4   |       |       |





#57

1,3-Dichloropropane

Concen: 19.788 ug/l

RT: 10.19 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion: 76 Resp: 371715

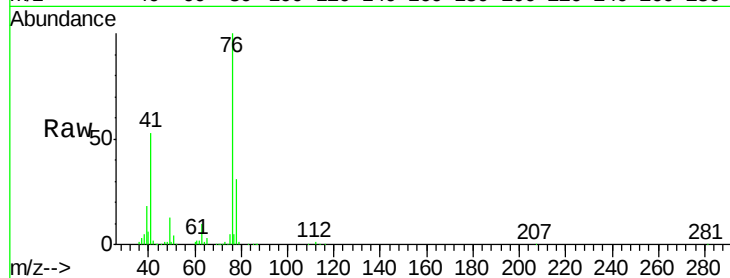
Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9

Manual Integrations  
APPROVED

MMDadoda  
8/9/2019 9:27:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

150000

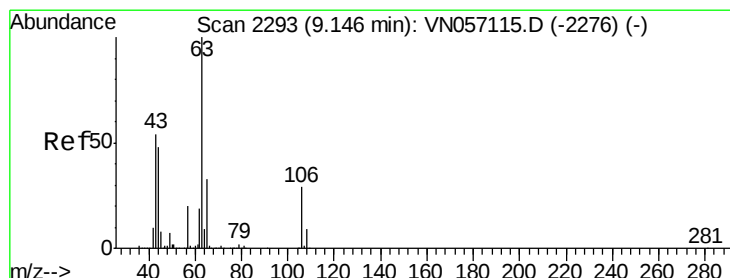
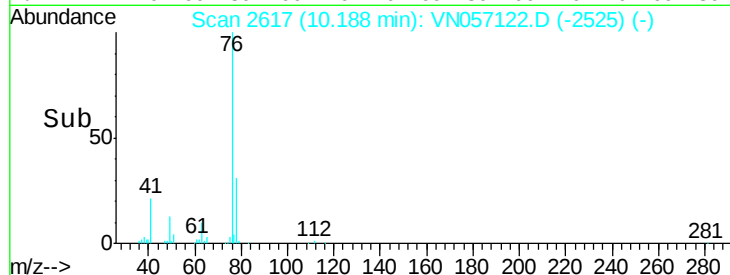
100000

50000

0

10.10 10.20 10.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.511 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VN057122.D

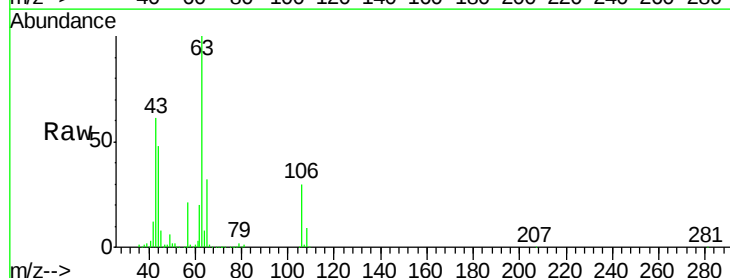
Acq: 8 Aug 2019 11:08

Tgt Ion: 63 Resp: 599994

Ion Ratio Lower Upper

63 100

106 29.3 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

300000

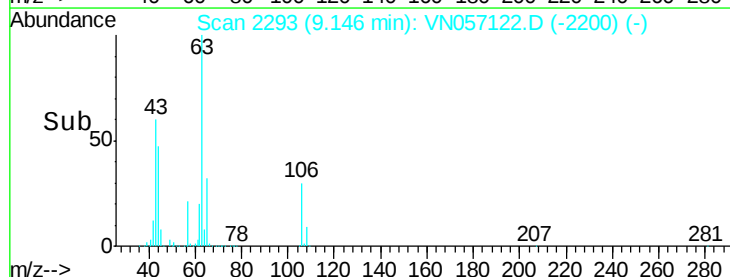
200000

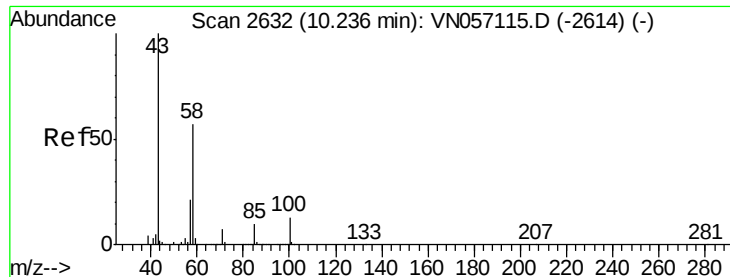
100000

0

9.05 9.10 9.15 9.20 9.25

Time-->





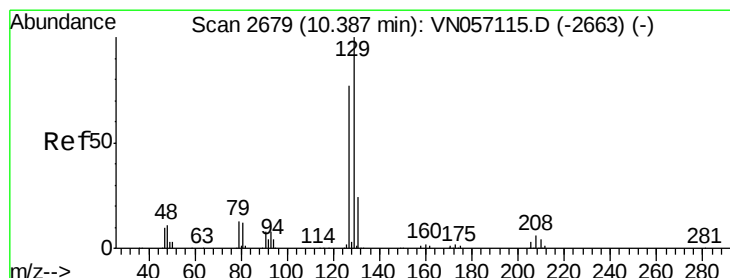
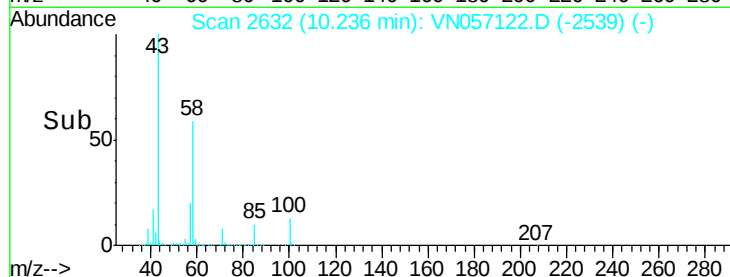
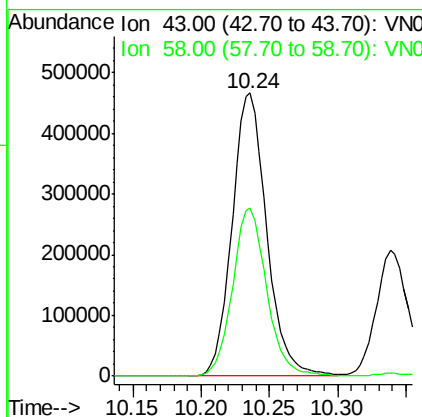
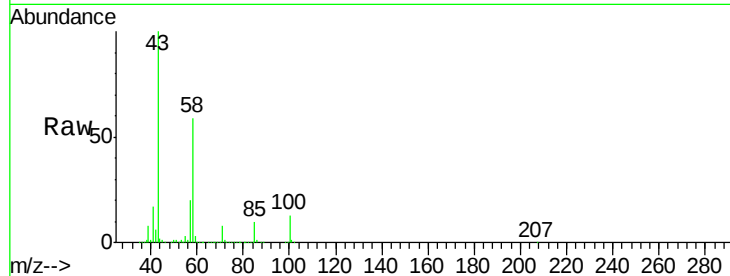
#59  
2-Hexanone  
Concen: 100.086 ug/l  
RT: 10.24 min Scan# 2632  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion   | 43 | Resp | 817510 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 59.0 | 29.2   |
| Upper     |    |      | 87.6   |

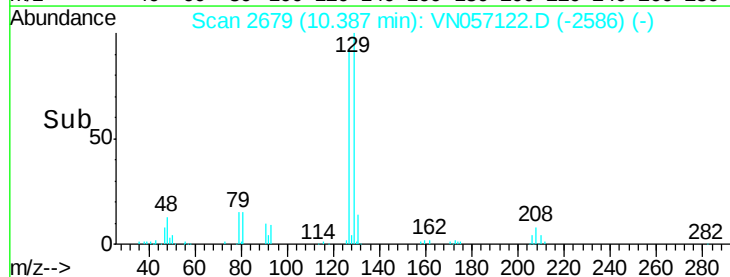
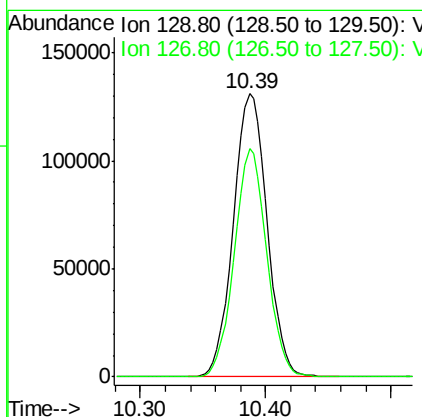
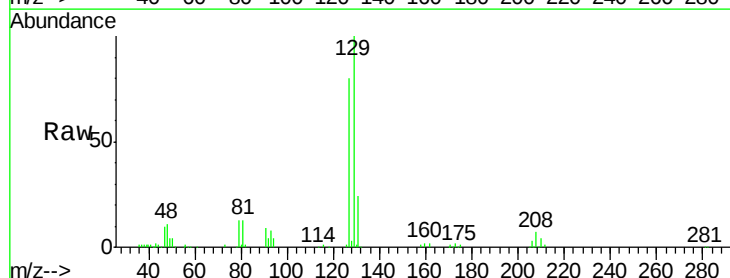
Manual Integrations  
APPROVED

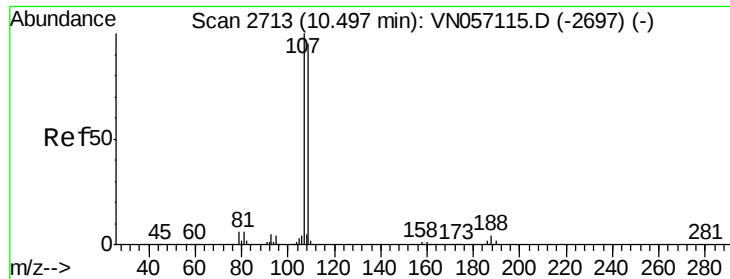
MMDadoda  
8/9/2019 9:27:56 AM



#60  
Dibromochloromethane  
Concen: 20.462 ug/l  
RT: 10.39 min Scan# 2679  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion   | 129 | Resp | 244787 |
|-----------|-----|------|--------|
| Ion Ratio | 129 | 100  |        |
| Lower     | 127 | 77.4 | 38.6   |
| Upper     |     |      | 116.0  |





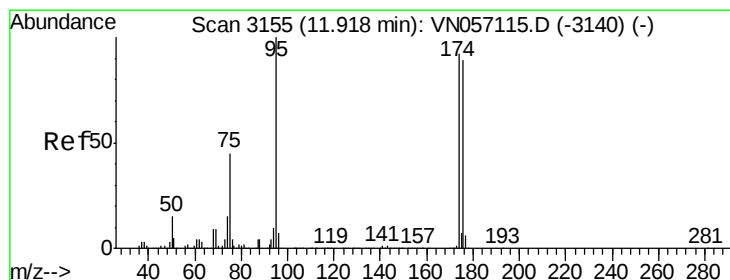
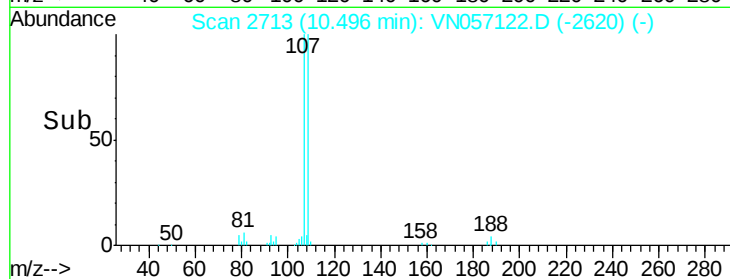
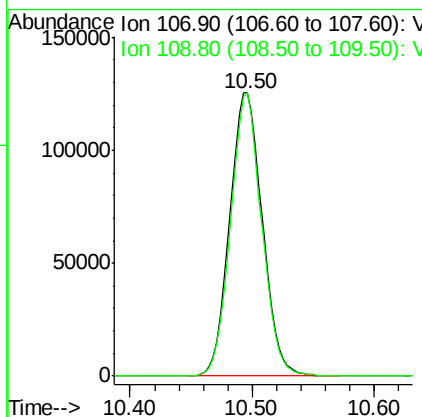
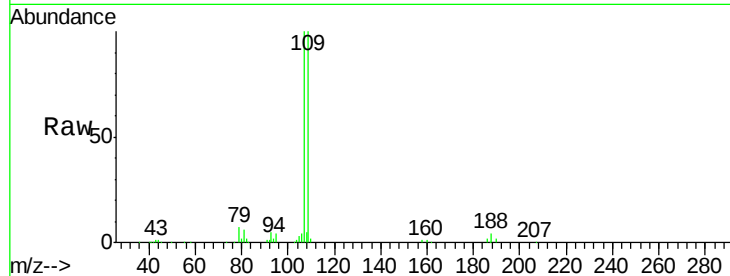
#61  
 1,2-Dibromoethane  
 Concen: 19.855 ug/l  
 RT: 10.50 min Scan# 2713  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 233376 |       |       |
| 109     | 95.4  | 75.6   | 113.4 |       |

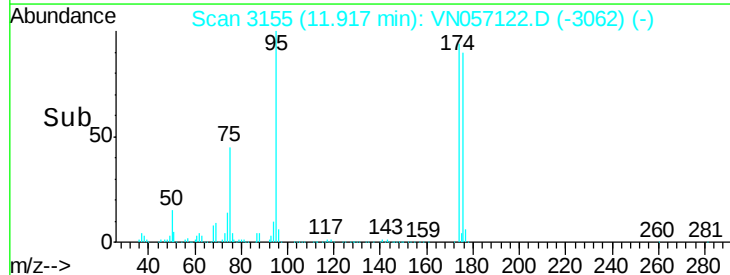
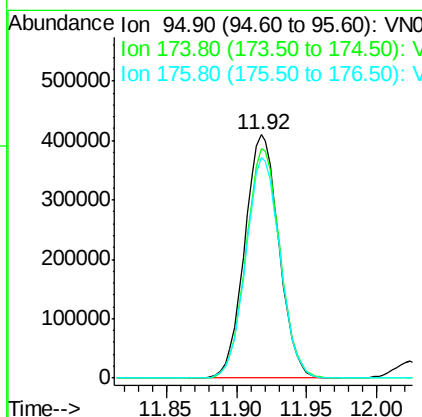
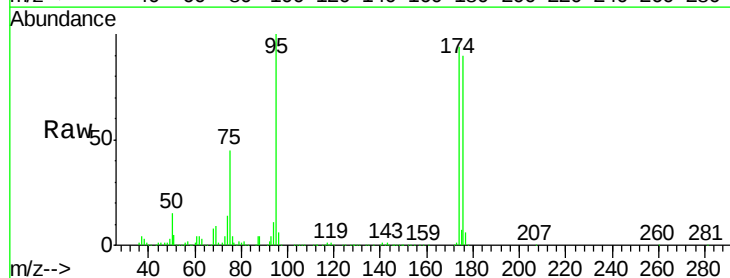
Manual Integrations  
 APPROVED

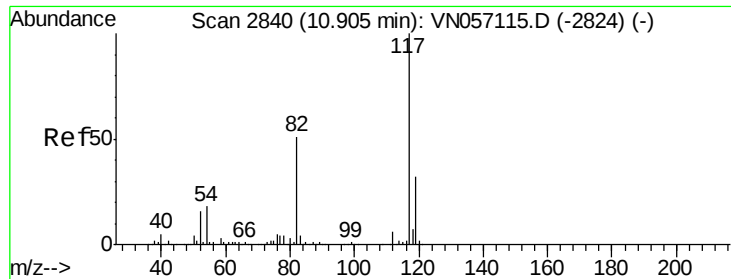
MMDadoda  
 8/9/2019 9:27:56 AM



#62  
 4-Bromofluorobenzene  
 Concen: 50.288 ug/l  
 RT: 11.92 min Scan# 3155  
 Delta R.T. -0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 696453 |       |       |
| 174     | 94.2  | 0.0    | 185.0 |       |
| 176     | 90.6  | 0.0    | 181.2 |       |





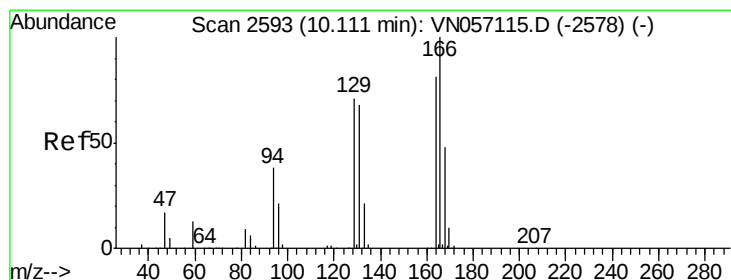
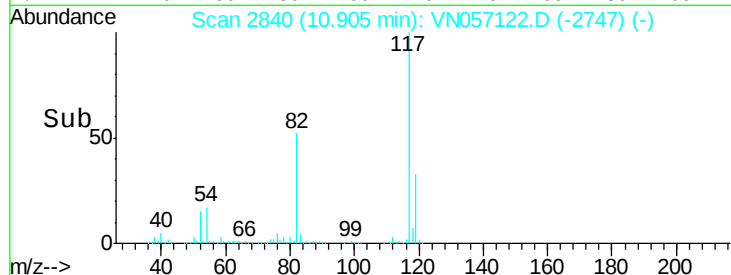
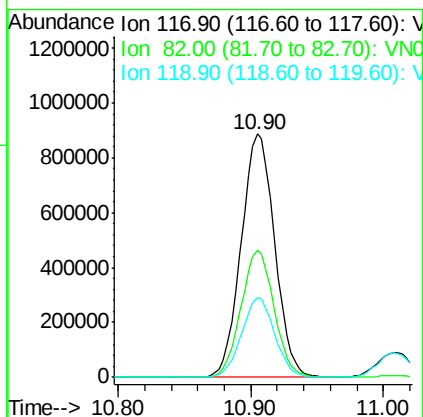
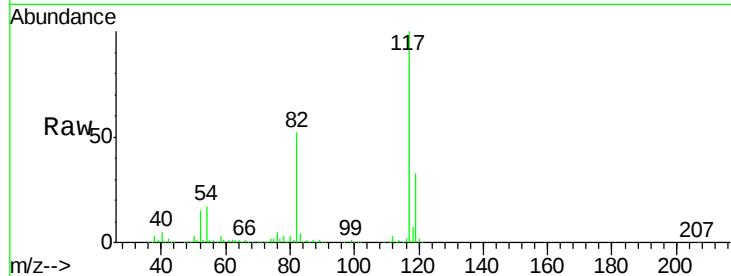
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.90 min Scan# 2840  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.3  | 40.8  | 61.2  |
| 119     | 32.6  | 25.7  | 38.5  |

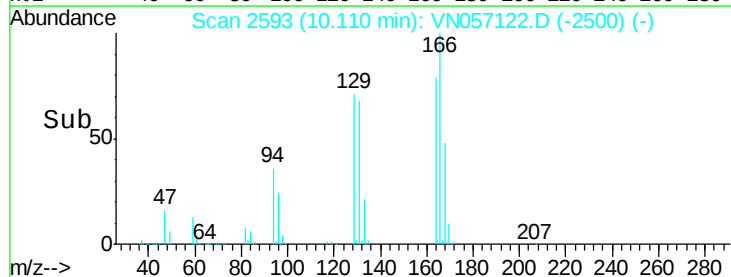
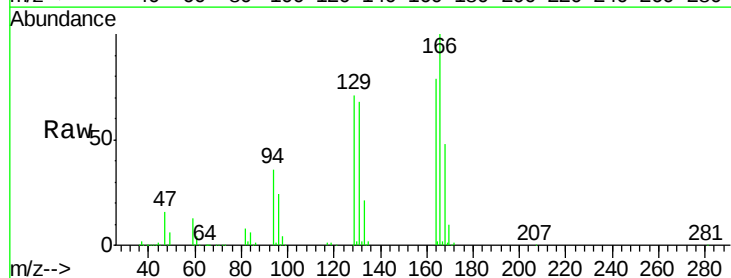
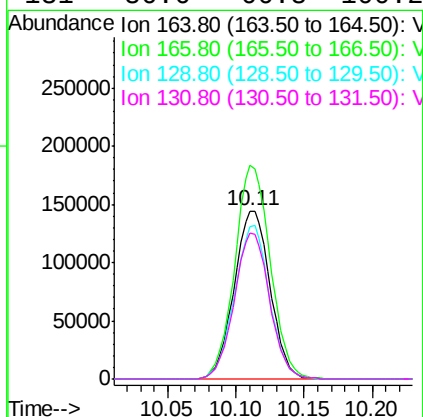
Manual Integrations  
APPROVED

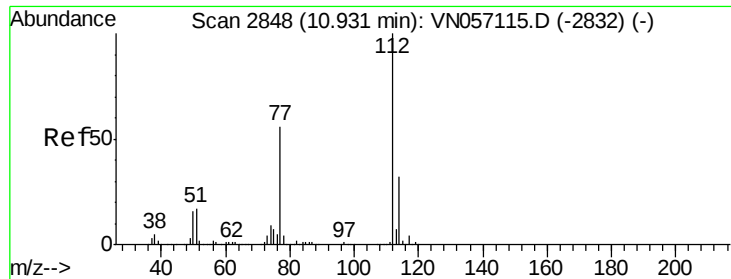
MMDadoda  
8/9/2019 9:27:56 AM



#64  
Tetrachloroethene  
Concen: 20.356 ug/l  
RT: 10.11 min Scan# 2593  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.0 | 98.3  | 147.5 |
| 129     | 90.3  | 69.8  | 104.6 |
| 131     | 86.6  | 66.8  | 100.2 |





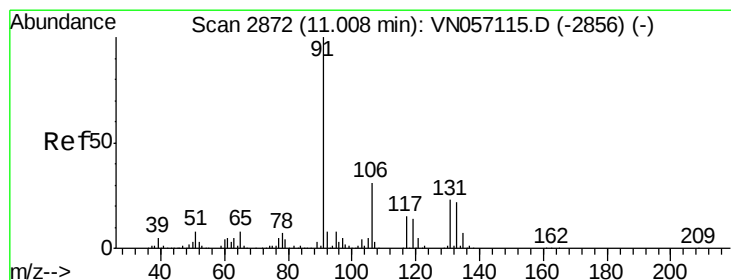
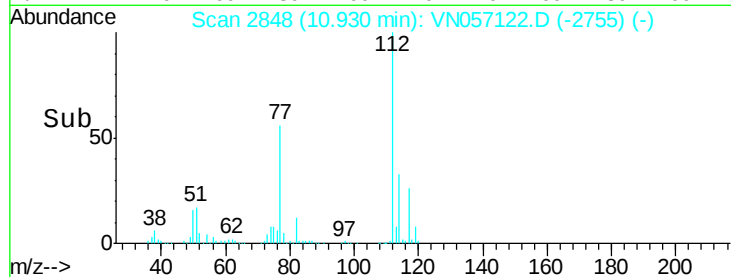
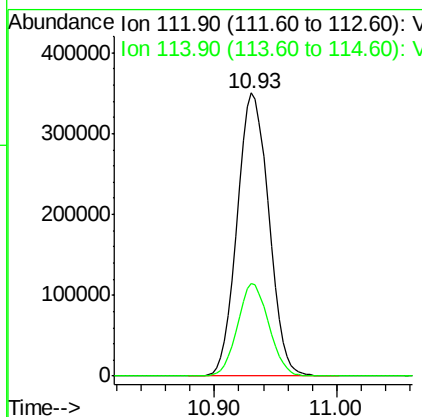
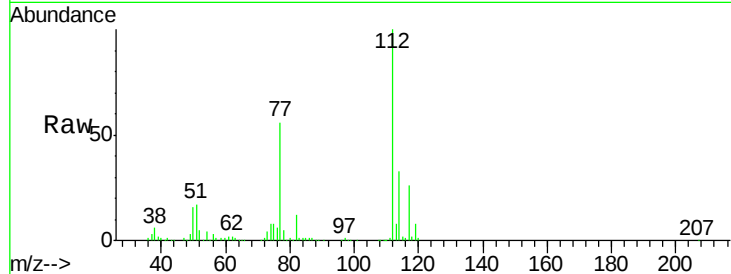
#65  
Chlorobenzene  
Concen: 20.039 ug/l  
RT: 10.93 min Scan# 2848  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 627343 |       |       |
| 114     | 32.9  | 25.4   | 38.2  |       |

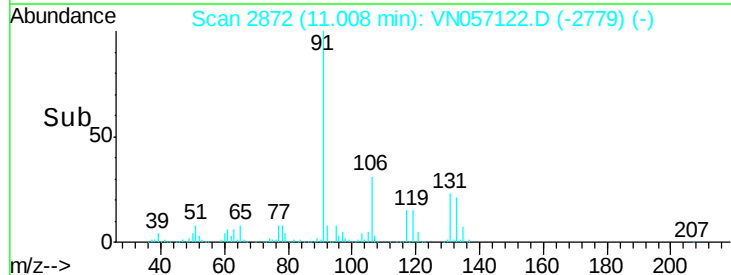
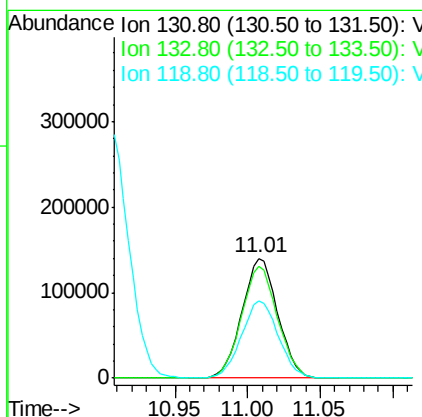
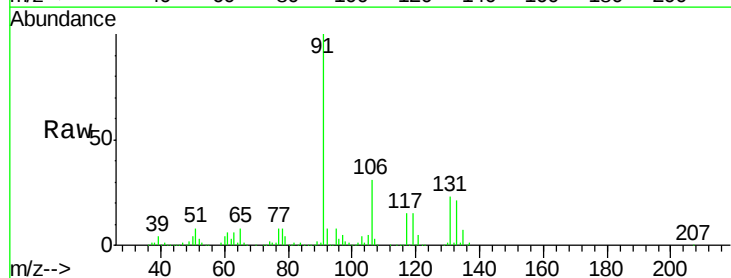
Manual Integrations  
APPROVED

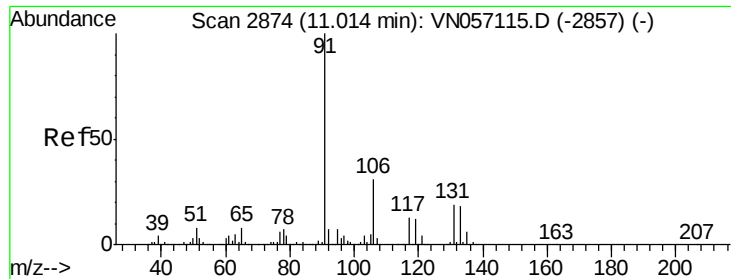
MMDadoda  
8/9/2019 9:27:56 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.522 ug/l  
RT: 11.01 min Scan# 2872  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 240198 |       |       |
| 133     | 94.2  | 47.6   | 142.8 |       |
| 119     | 66.3  | 32.6   | 97.7  |       |





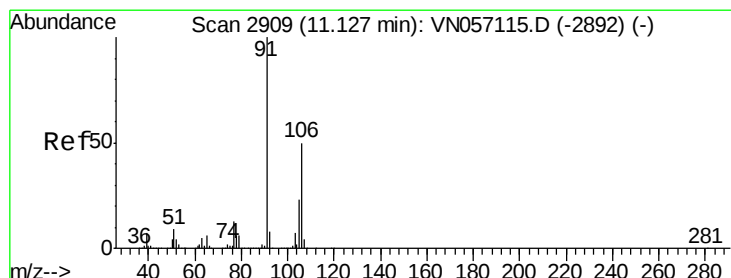
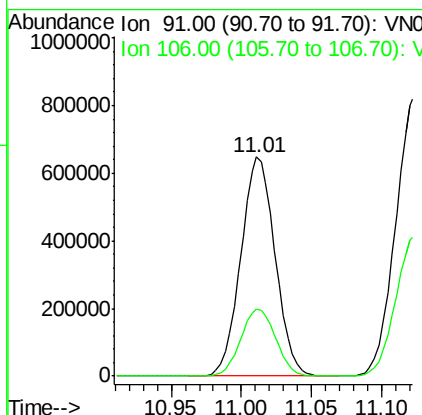
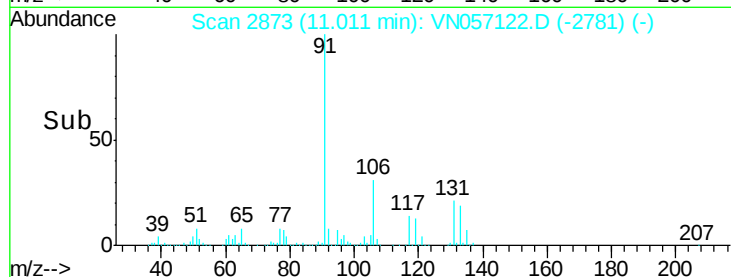
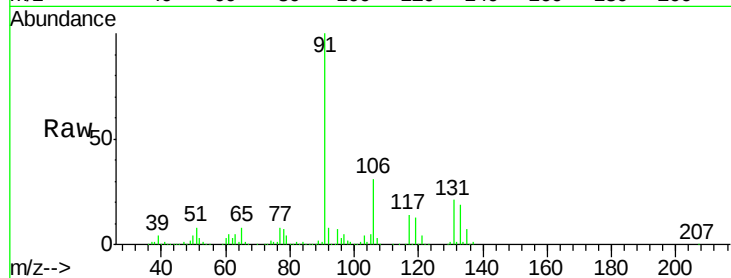
#67  
Ethyl Benzene  
Concen: 20.498 ug/l  
RT: 11.01 min Scan# 2873  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

Tot Ion: 91 Resp: 1104481  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.0 37.4

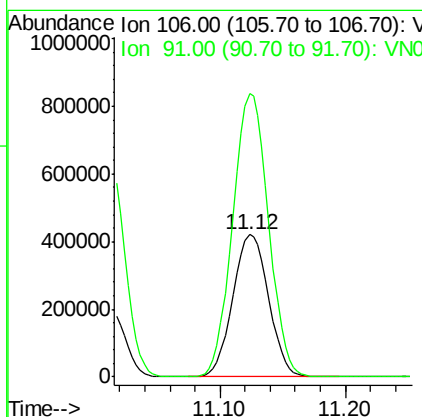
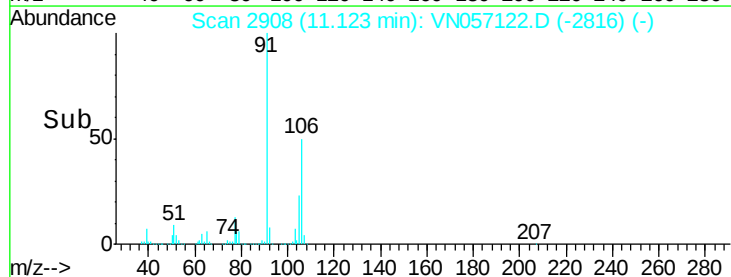
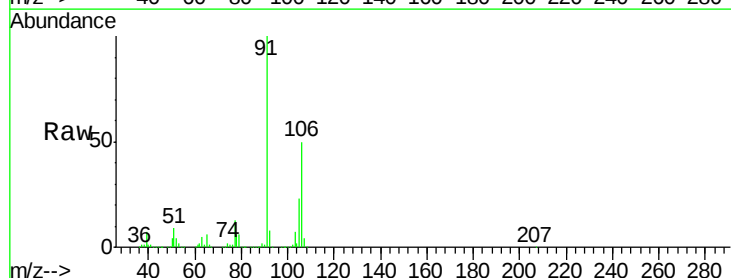
Manual Integrations  
APPROVED

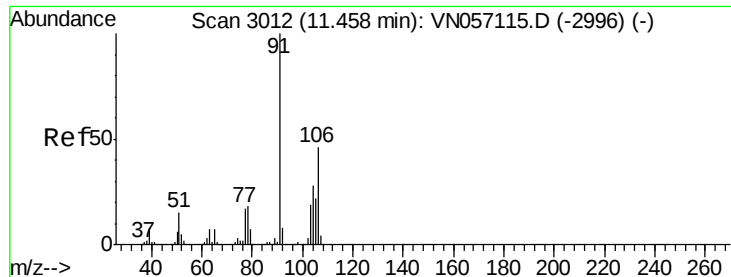
MMDadoda  
8/9/2019 9:27:56 AM



#68  
m/p-Xylenes  
Concen: 42.004 ug/l  
RT: 11.12 min Scan# 2908  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Tgt Ion: 106 Resp: 833791  
Ion Ratio Lower Upper  
106 100  
91 198.6 159.8 239.8





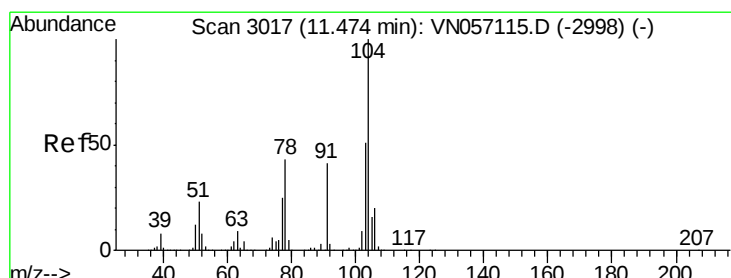
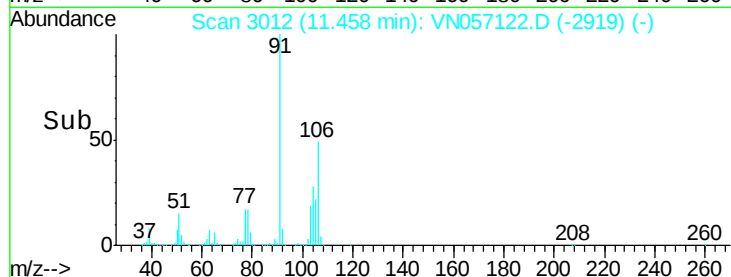
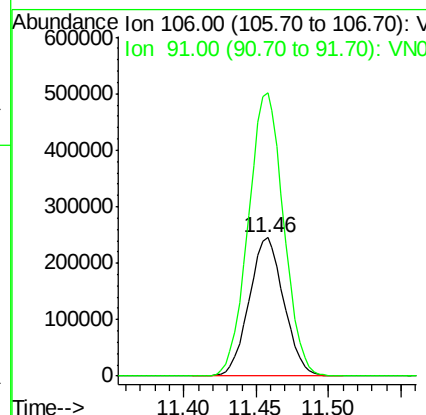
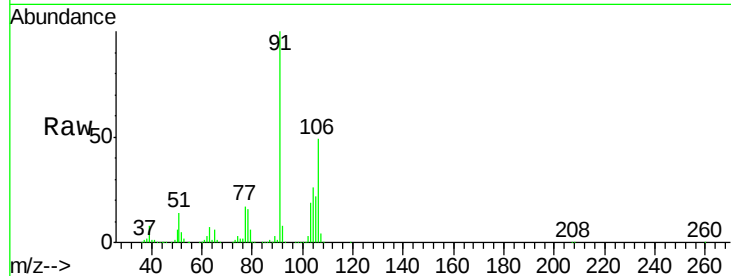
#69  
o-Xylene  
Concen: 20.708 ug/l  
RT: 11.46 min Scan# 3012  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0808WBS01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 106   | 100   | 409099 |       |       |
| 91      | 208.3 | 106.8 | 320.5  |       |       |

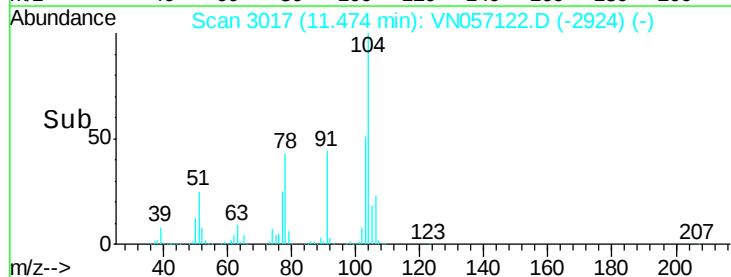
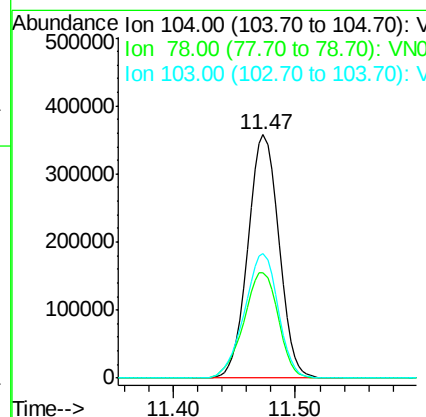
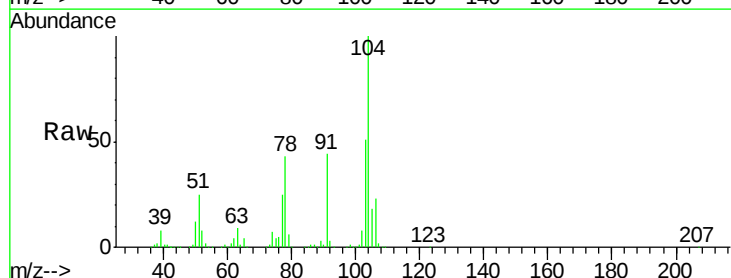
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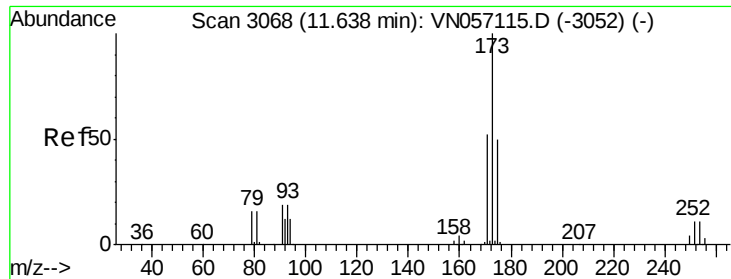
MMDadoda  
8/9/2019 9:27:56 AM



#70  
Styrene  
Concen: 20.272 ug/l  
RT: 11.47 min Scan# 3017  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 104  | 100   | 625522 |       |       |
| 78      | 48.7 | 38.5  | 57.7   |       |       |
| 103     | 55.7 | 44.6  | 66.8   |       |       |





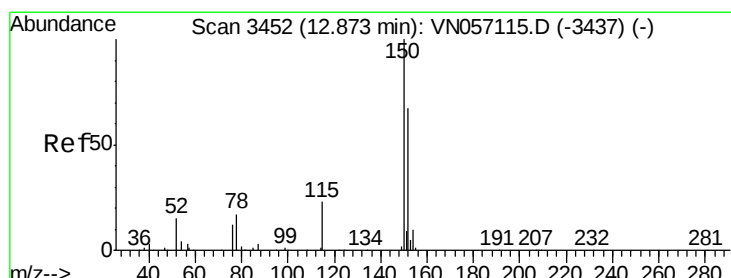
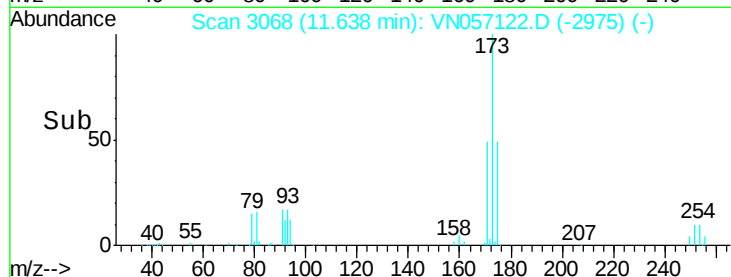
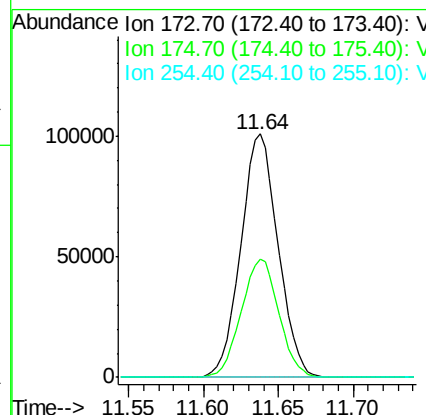
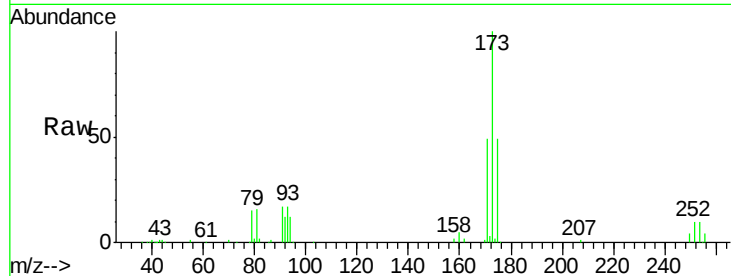
#71  
Bromoform  
Concen: 20.394 ug/l  
RT: 11.64 min Scan# 3068  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0808WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.1  | 24.6  | 73.8  |
| 254     | 0.2   | 0.1   | 0.1#  |

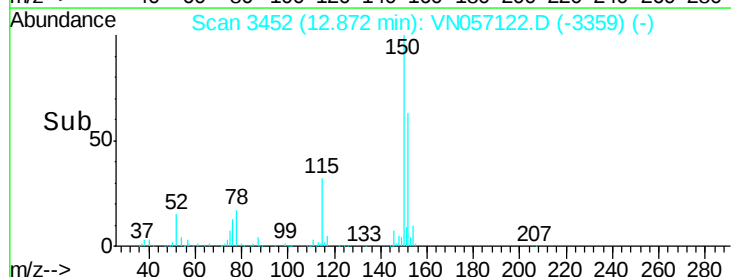
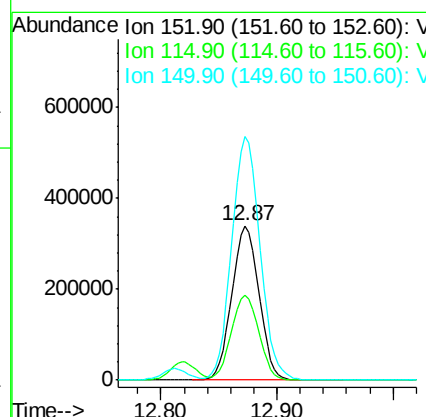
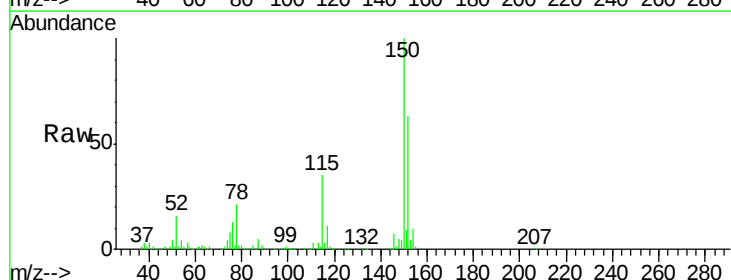
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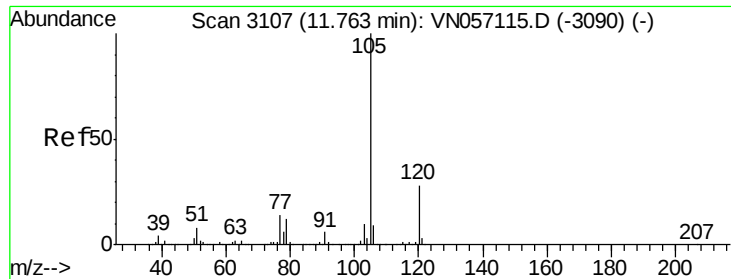
MMDadoda  
8/9/2019 9:27:56 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.87 min Scan# 3452  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.7  | 27.5  | 82.5  |
| 150     | 164.4 | 0.0   | 341.6 |





#73

Isopropylbenzene

Concen: 22.944 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion:105 Resp: 1088704

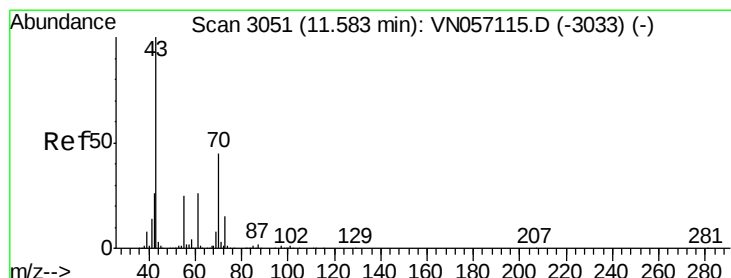
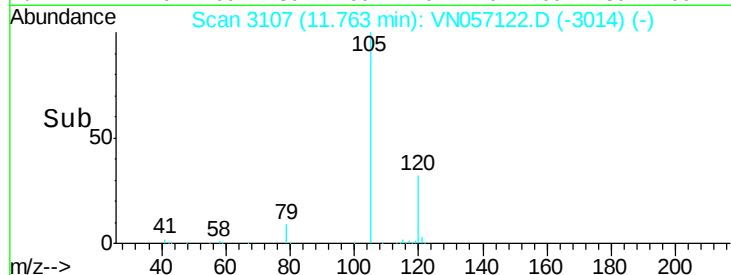
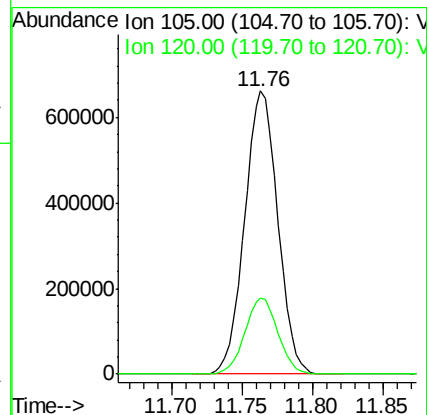
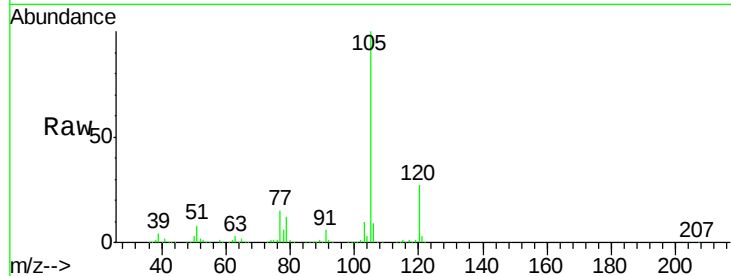
Ion Ratio Lower Upper

105 100

120 26.9 13.7 41.0

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#74

N-ethyl acetate

Concen: 19.994 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Tgt Ion: 43 Resp: 277881

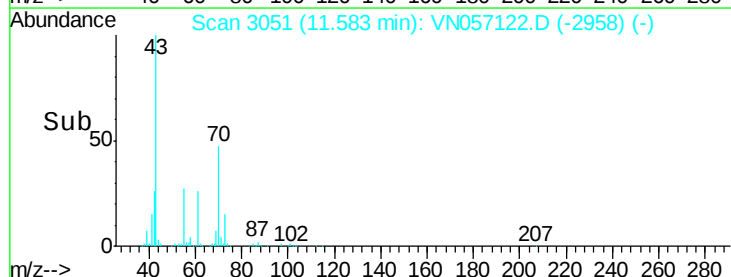
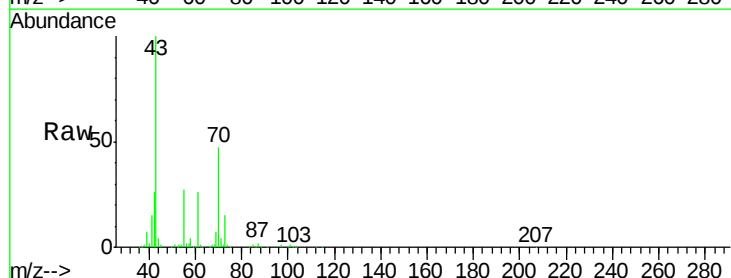
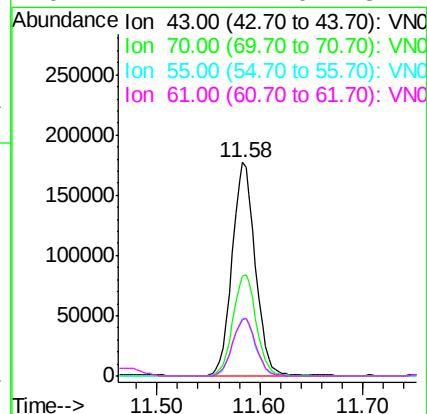
Ion Ratio Lower Upper

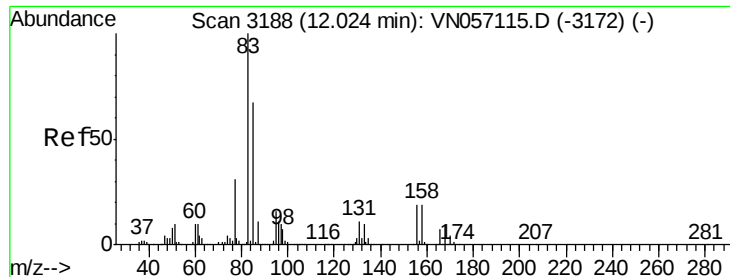
43 100

70 48.0 36.8 55.2

55 27.0 20.6 31.0

61 27.1 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.523 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion: 83 Resp: 297108  
Ion Ratio Lower Upper

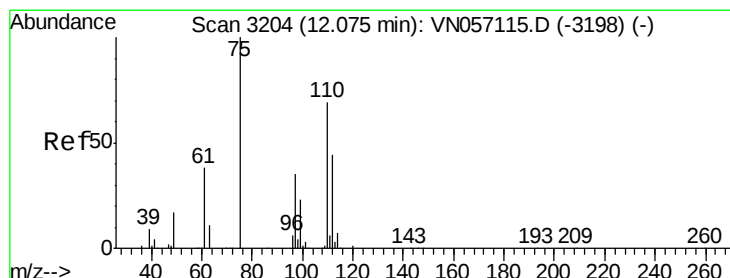
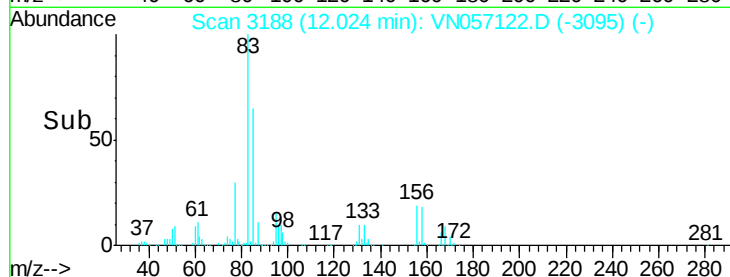
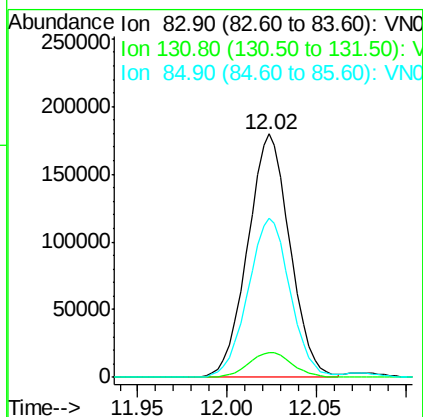
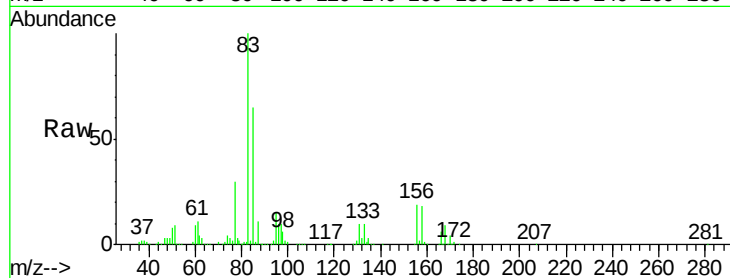
83 100

131 10.6 5.5 16.4

85 65.2 32.4 97.0

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 22.259 ug/l m

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

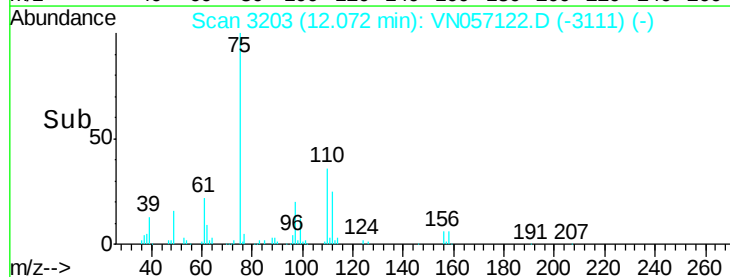
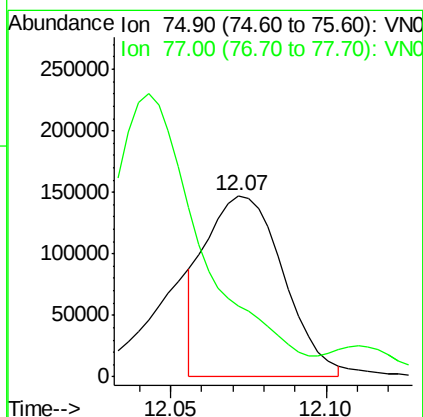
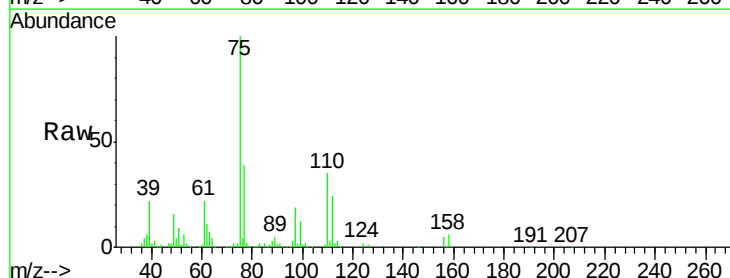
Lab File: VN057122.D

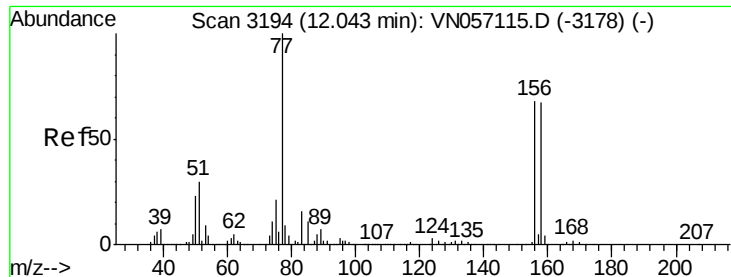
Acq: 8 Aug 2019 11:08

Tgt Ion: 75 Resp: 255890  
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.271 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

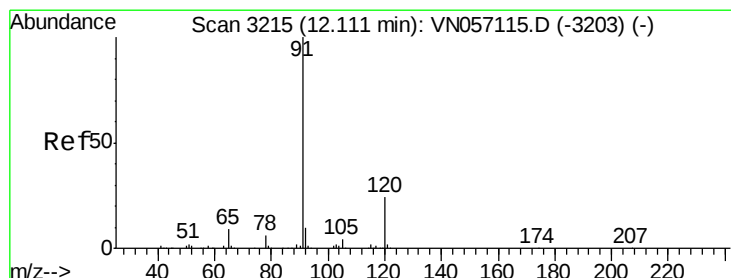
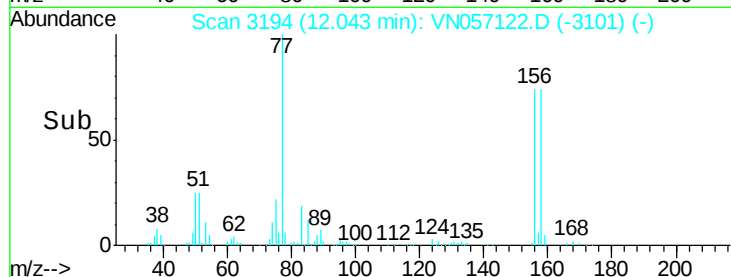
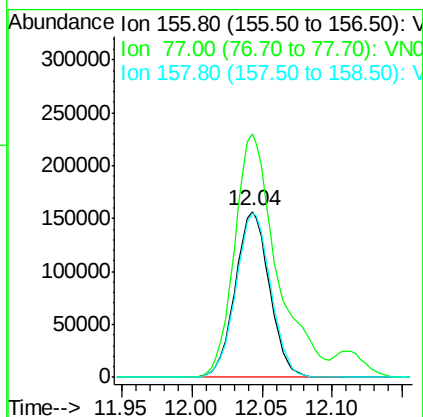
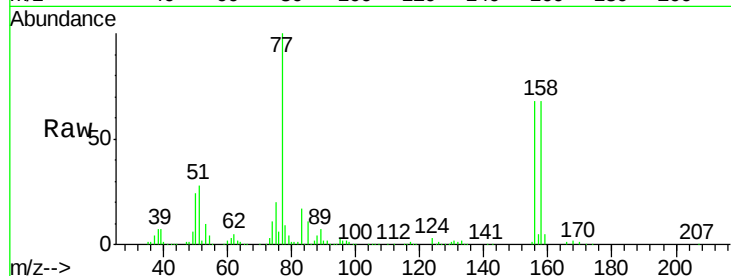
ClientSampleId :

VN0808WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 267233 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 181.4 | 88.7  | 266.1  |
| 158       | 100.4 | 49.3  | 147.8  |

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#78

n-propylbenzene

Concen: 20.999 ug/l

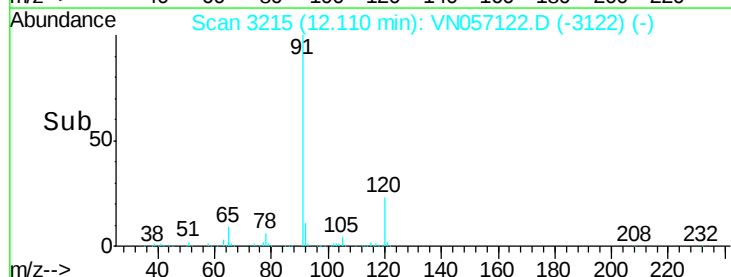
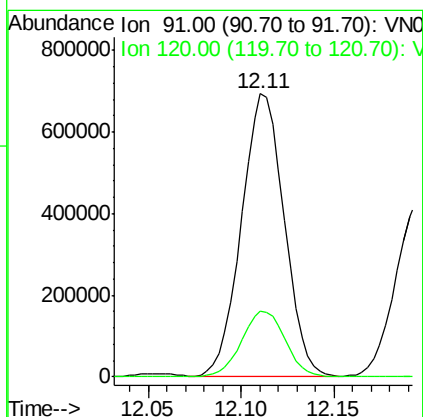
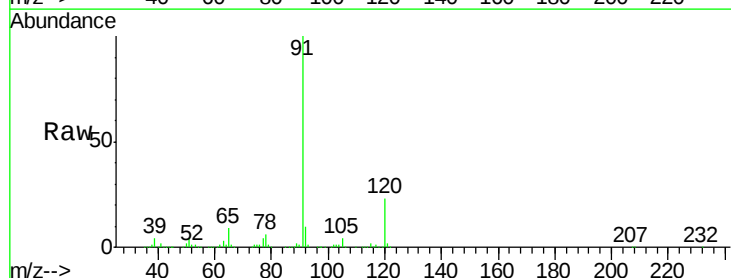
RT: 12.11 min Scan# 3215

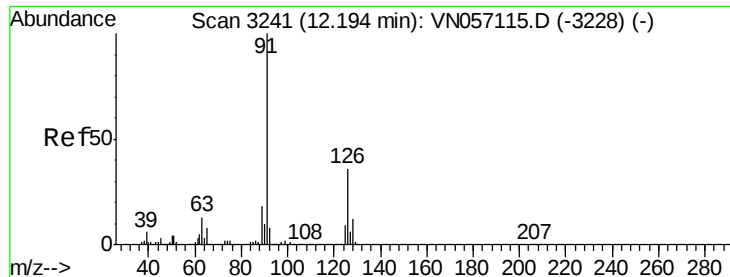
Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1104903 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.8  | 12.0  | 36.0    |





#79

2-Chlorotoluene

Concen: 22.513 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion: 91 Resp: 691310

Ion Ratio Lower Upper

91 100

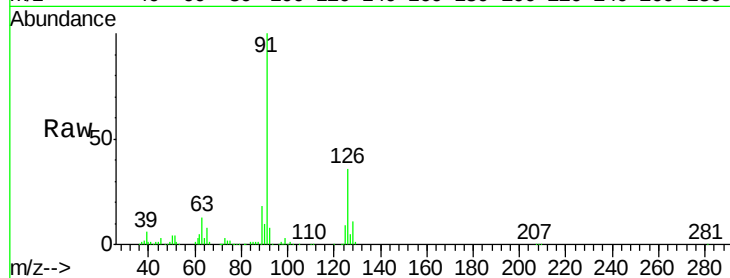
126 36.7 18.1 54.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3228) (-)

Ion 125.90 (125.60 to 126.60): VN057115.D (-3228) (-)

800000

600000

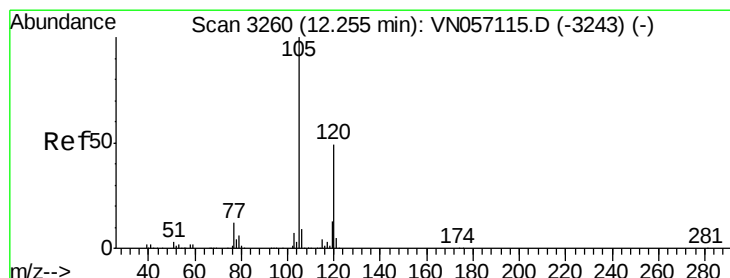
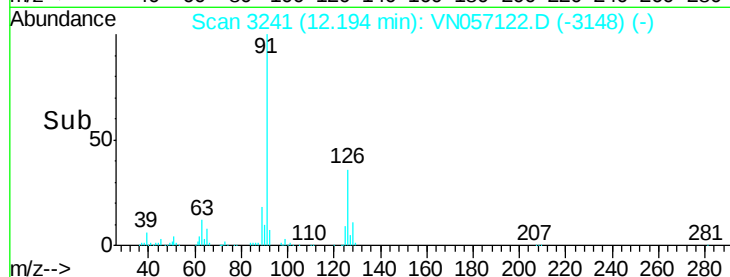
400000

200000

0

12.15 12.20 12.25

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.091 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN057122.D

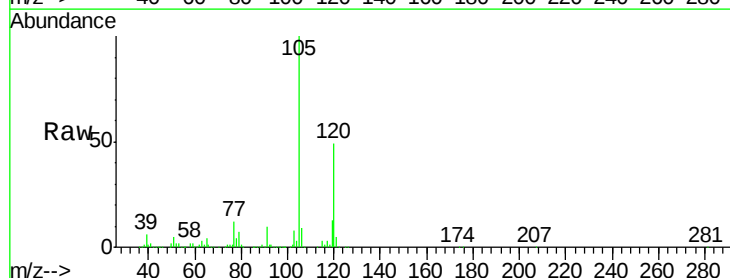
Acq: 8 Aug 2019 11:08

Tgt Ion: 105 Resp: 893054

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057115.D (-3243) (-)

Ion 120.00 (119.70 to 120.70): VN057115.D (-3243) (-)

600000

500000

400000

300000

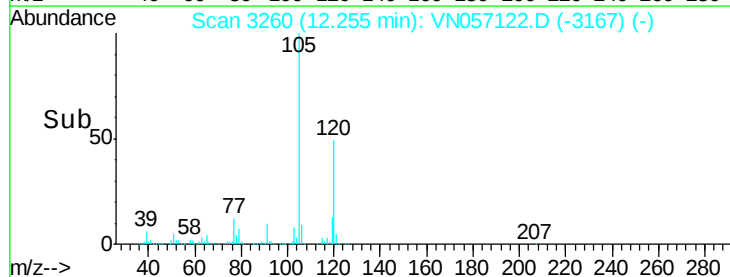
200000

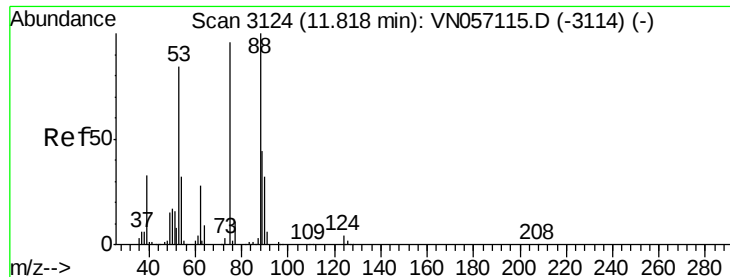
100000

0

12.20 12.30

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.082 ug/l

RT: 11.81 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampleId :

VN0808WBS01

Tot Ion: 75 Resp: 78639

Ion Ratio Lower Upper

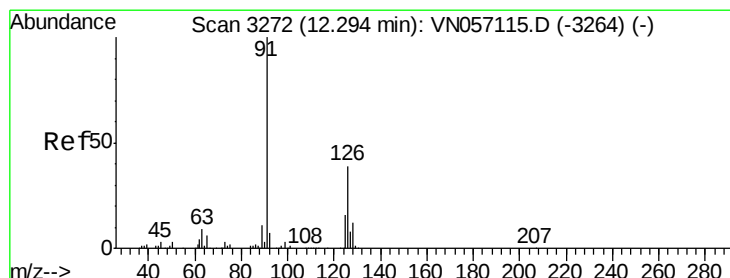
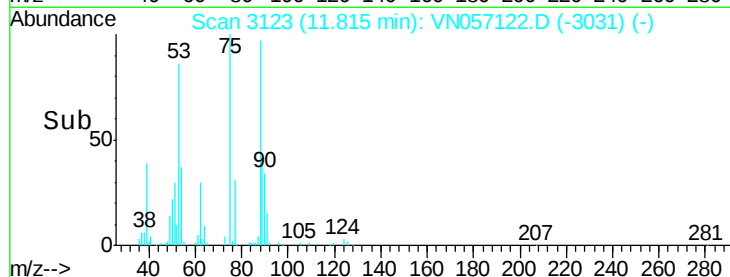
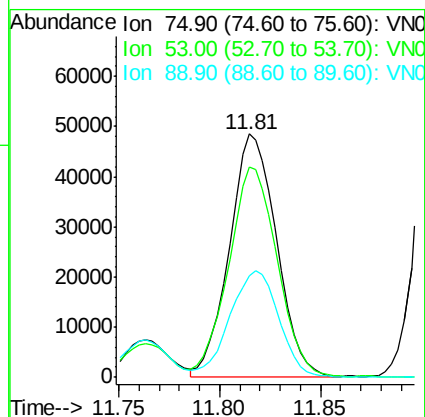
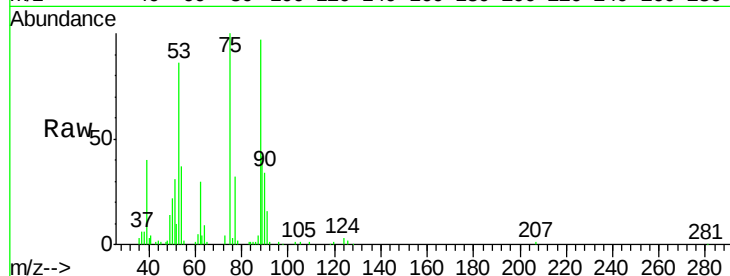
75 100

53 89.6 70.6 106.0

89 46.0 36.4 54.6

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#82

4-Chlorotoluene

Concen: 20.531 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057122.D

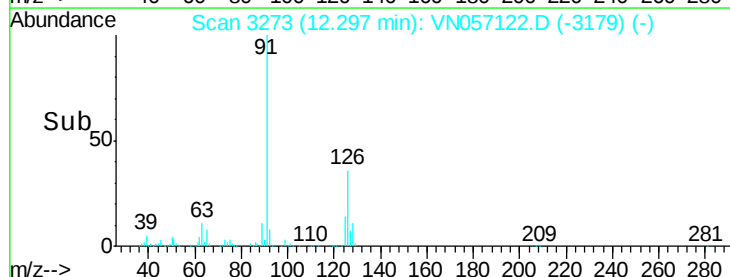
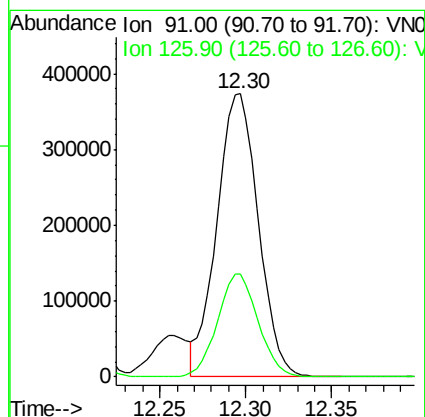
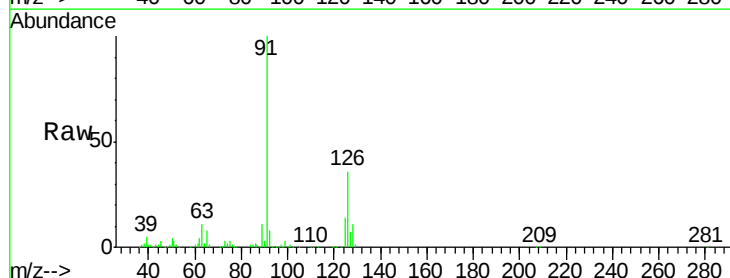
Acq: 8 Aug 2019 11:08

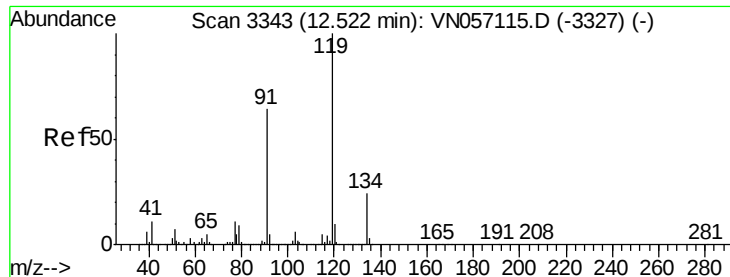
Tgt Ion: 91 Resp: 625482

Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7





#83

tert-Butylbenzene

Concen: 22.721 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

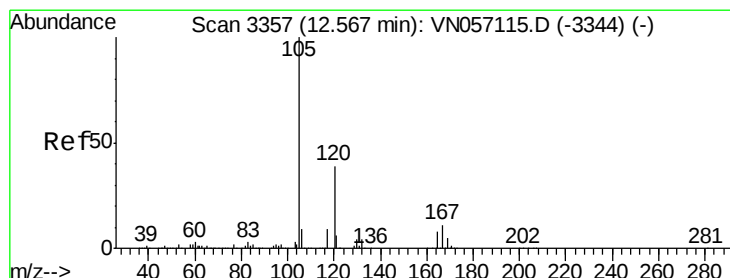
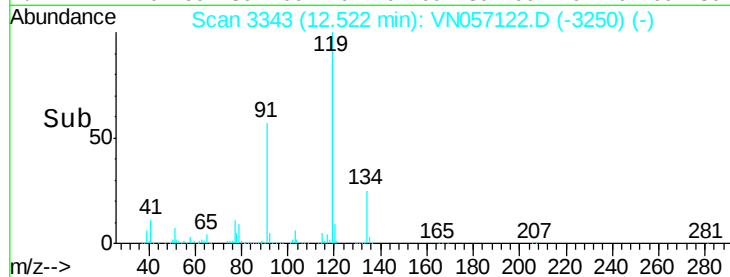
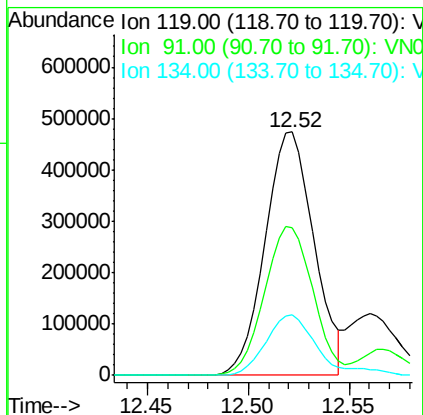
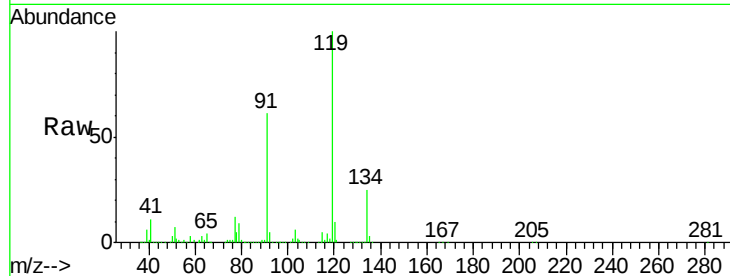
ClientSampled :

VN0808WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 796449 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 60.6  | 31.4  | 94.2   |
| 134       | 26.3  | 13.2  | 39.6   |

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#84

1,2,4-Trimethylbenzene

Concen: 20.208 ug/l

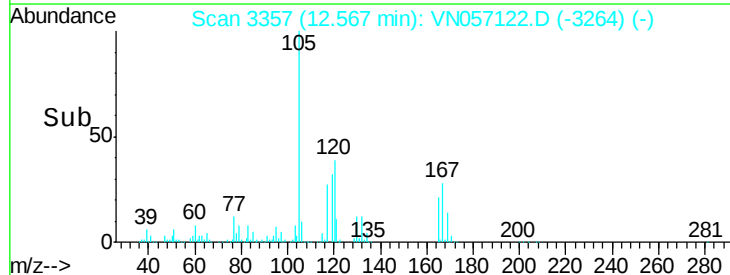
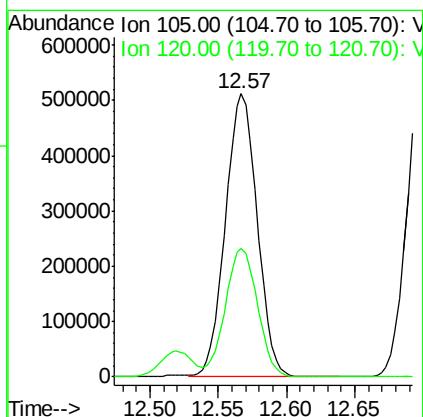
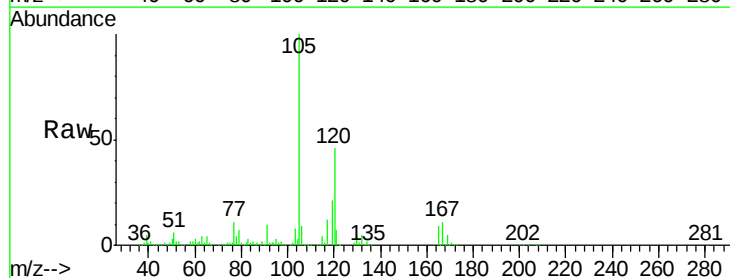
RT: 12.57 min Scan# 3357

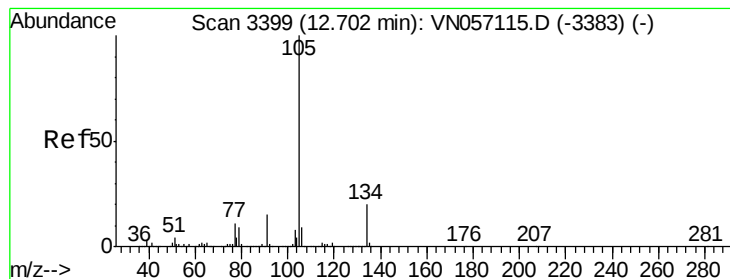
Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 827045 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 46.2  | 23.3  | 69.8   |





#85

sec-Butylbenzene

Concen: 20.593 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

ClientSampled :

VN0808WBS01

Tot Ion:105 Resp: 983995

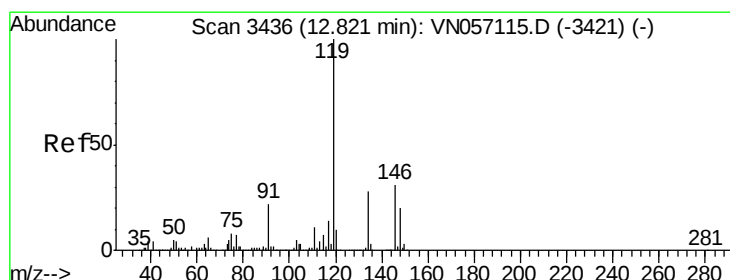
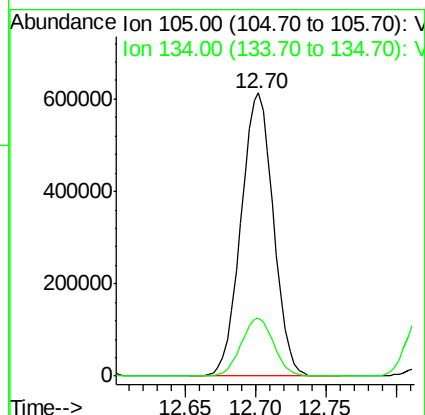
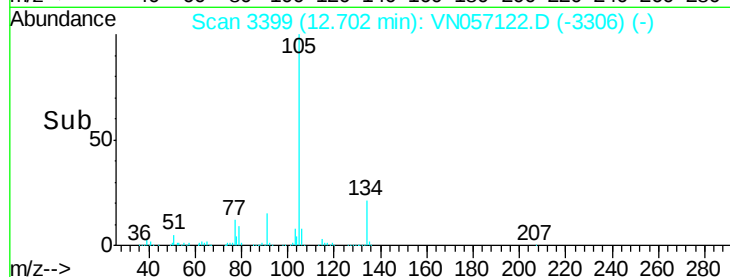
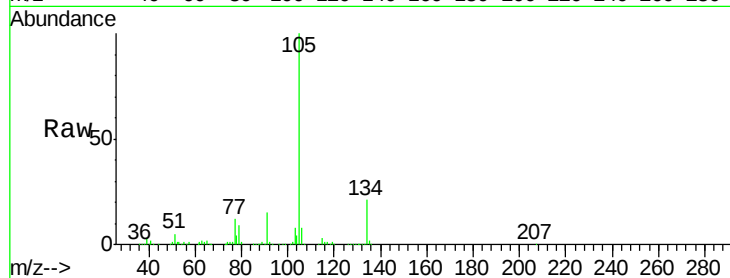
Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.4

Manual Integrations  
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8/9/2019 9:27:56 AM



#86

p-Isopropyltoluene

Concen: 20.490 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

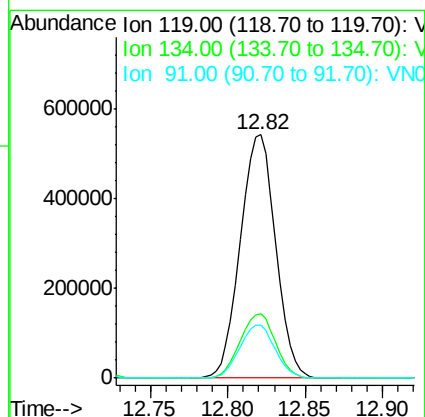
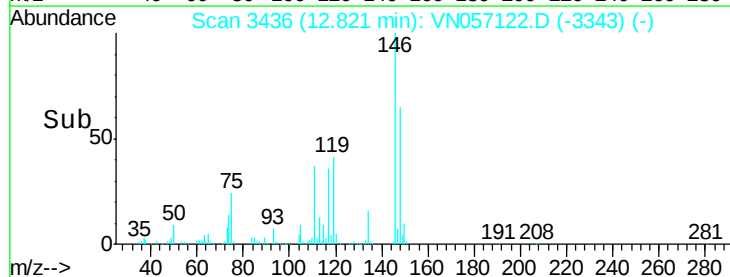
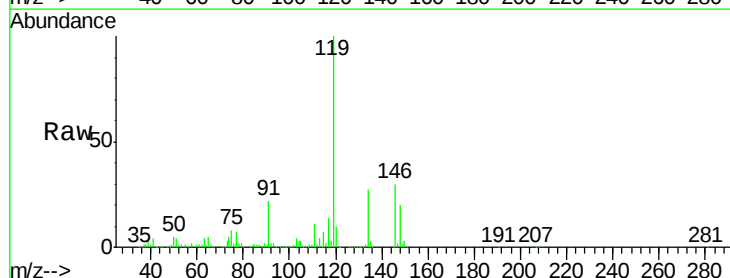
Tgt Ion:119 Resp: 859133

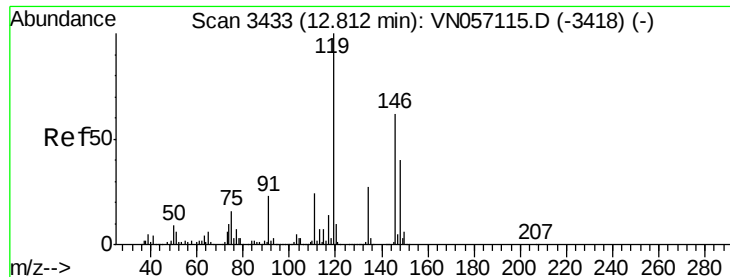
Ion Ratio Lower Upper

119 100

134 26.6 13.8 41.3

91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 20.861 ug/l

RT: 12.81 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

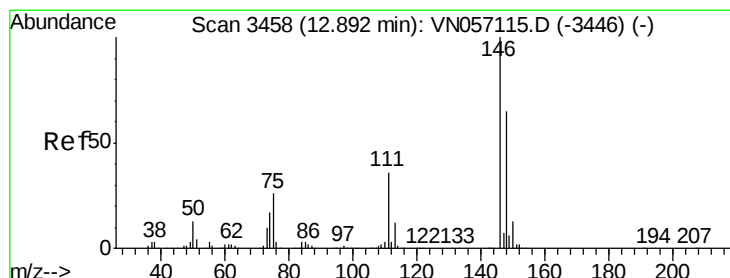
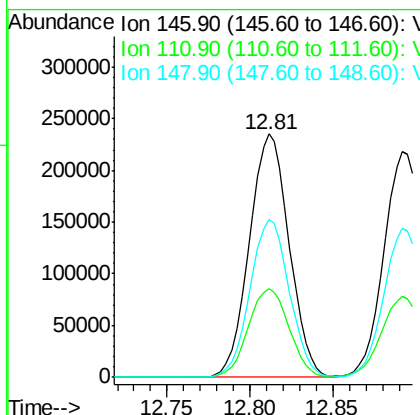
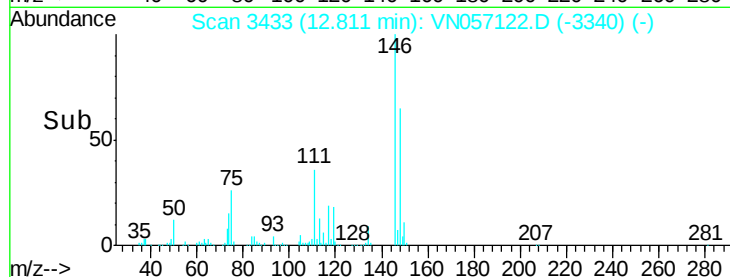
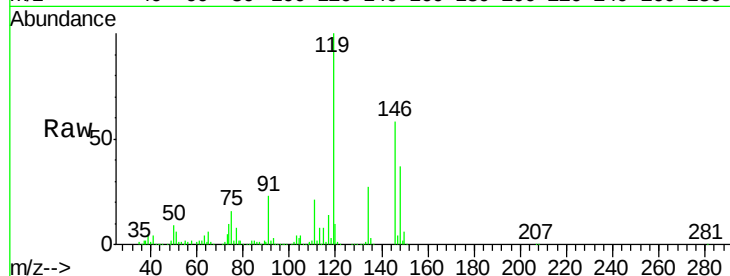
ClientSampled :

VN0808WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 391506 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.4  | 18.8  | 56.4   |
| 148       | 64.1  | 32.4  | 97.0   |

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#88

1,4-Dichlorobenzene

Concen: 20.399 ug/l

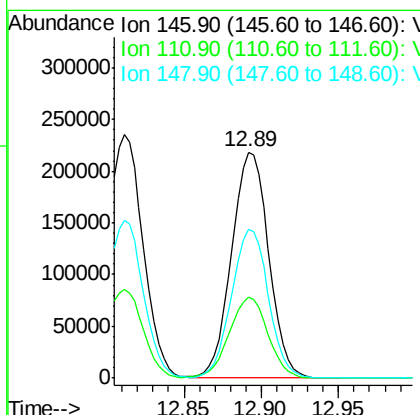
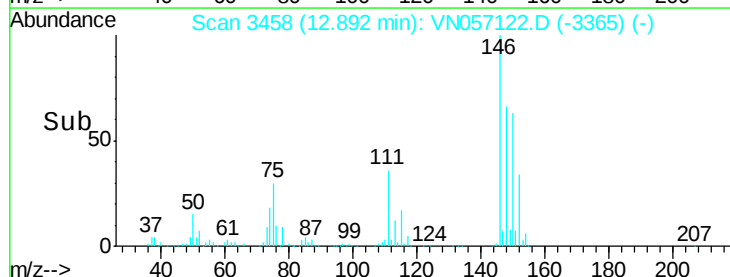
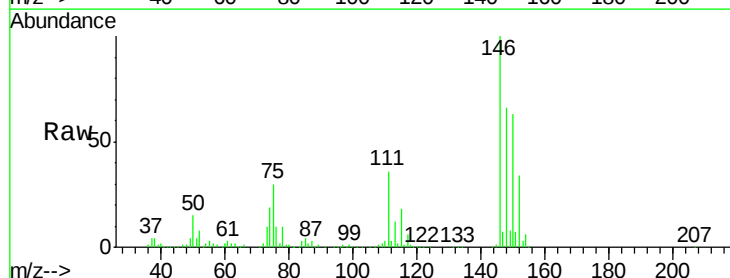
RT: 12.89 min Scan# 3458

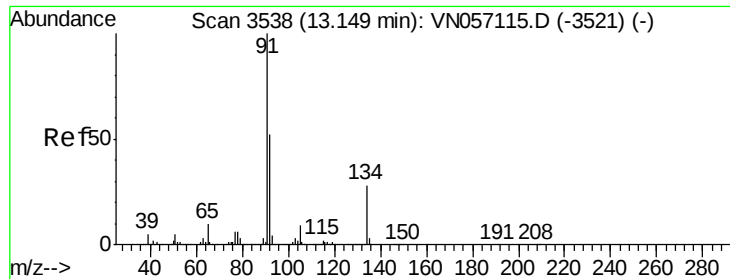
Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 362741 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.2  | 18.2  | 54.6   |
| 148       | 65.5  | 32.0  | 96.2   |





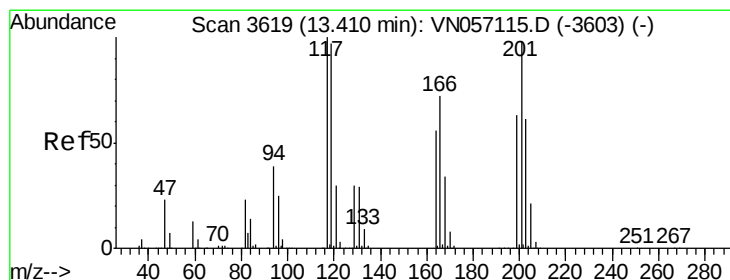
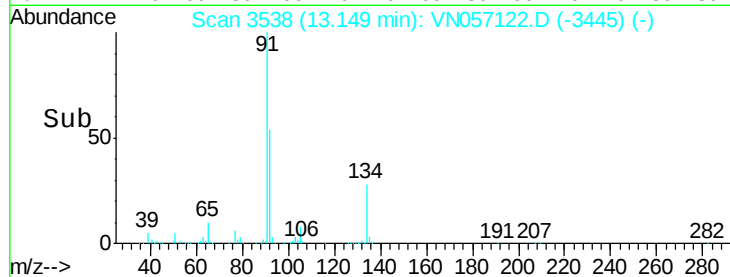
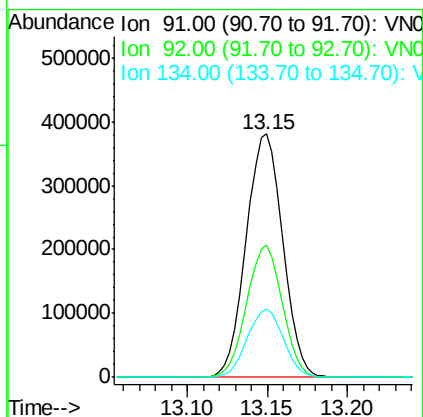
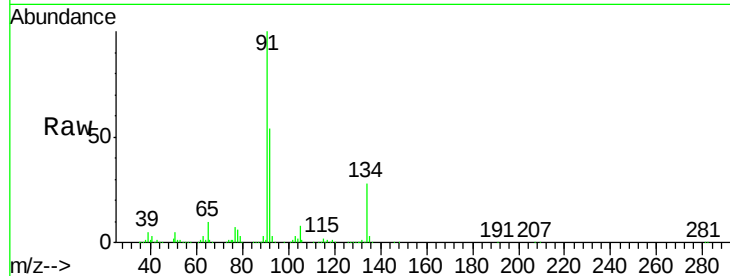
#89  
n-Butylbenzene  
Concen: 20.573 ug/l  
RT: 13.15 min Scan# 3538  
Delta R.T. -0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0808WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 91      | 100   |      |       |       |
| 92      | 52.9  | 26.5 | 79.4  |       |
| 134     | 27.7  | 14.1 | 42.3  |       |

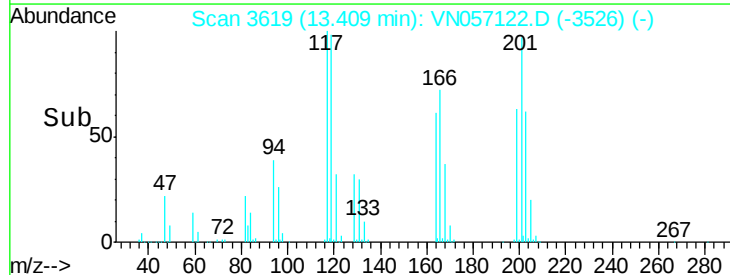
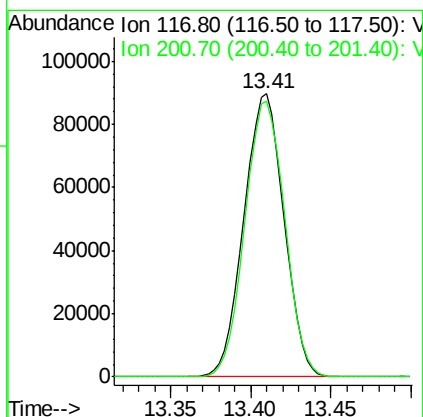
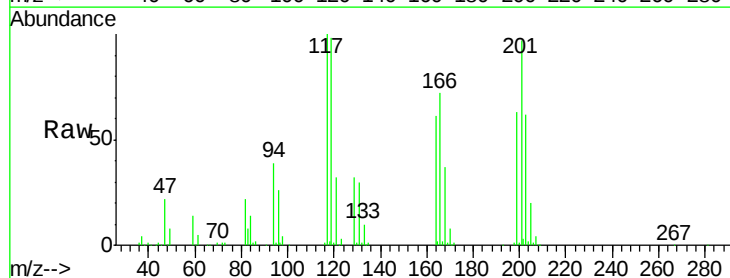
Manual Integrations  
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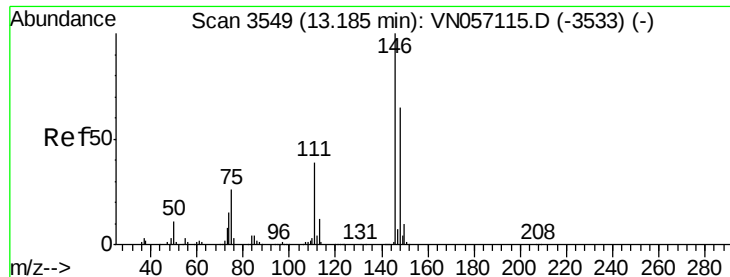
MMDadoda  
8/9/2019 9:27:56 AM



#90  
Hexachloroethane  
Concen: 22.537 ug/l  
RT: 13.41 min Scan# 3619  
Delta R.T. 0.00 min  
Lab File: VN057122.D  
Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 201     | 96.8  | 49.3 | 147.8 |       |





#91

1,2-Dichlorobenzene

Concen: 21.091 ug/l

RT: 13.18 min Scan# 3549

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

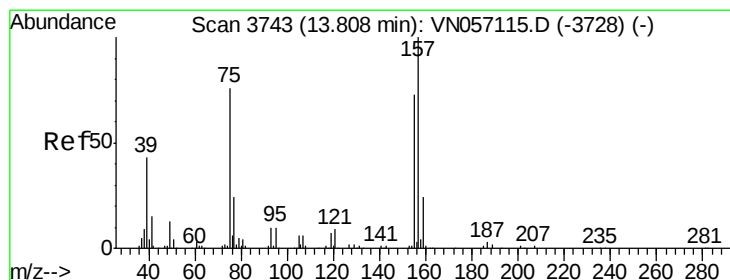
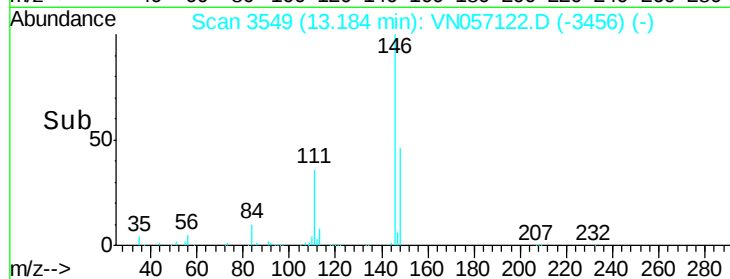
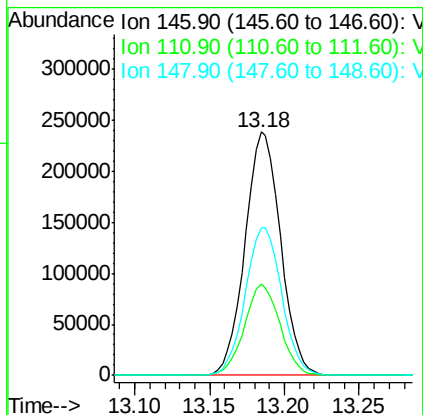
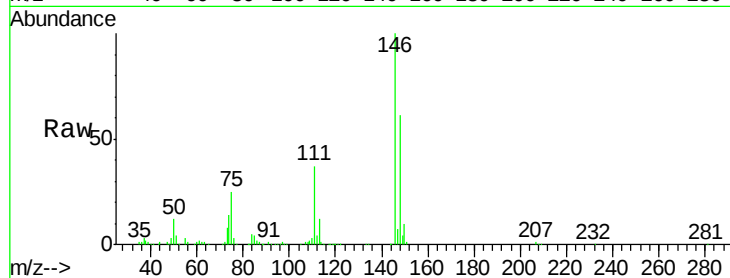
ClientSampleId :

VN0808WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 395277 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.4  | 19.2  | 57.6   |
| 148       | 62.3  | 32.4  | 97.0   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.525 ug/l

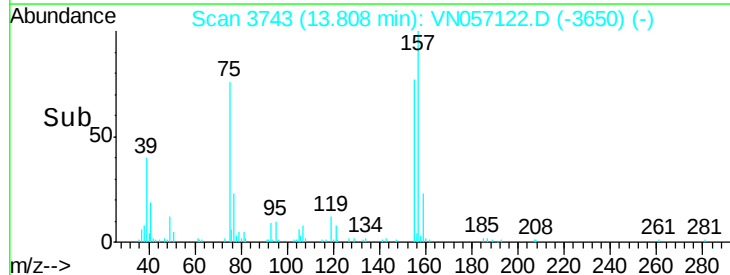
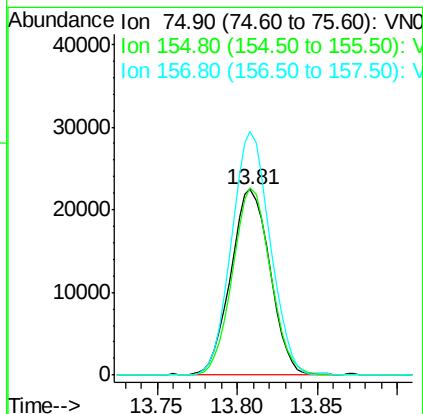
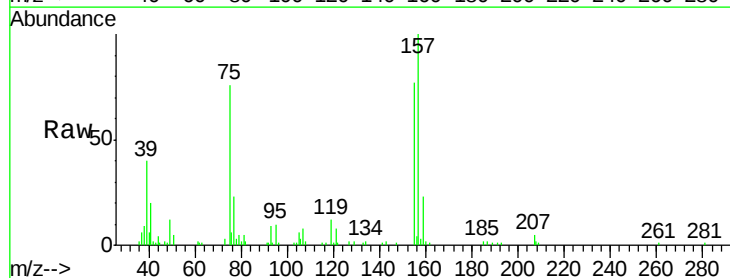
RT: 13.81 min Scan# 3743

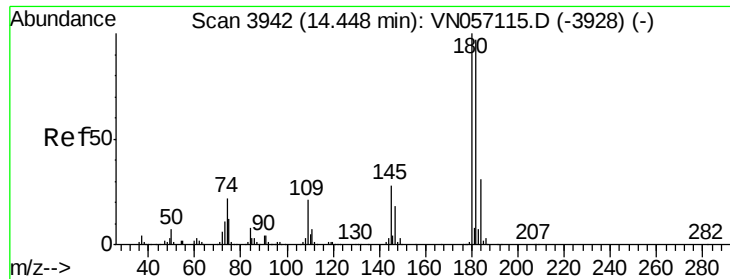
Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 37643 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 96.9  | 49.3  | 147.9 |
| 157       | 127.6 | 65.3  | 195.8 |





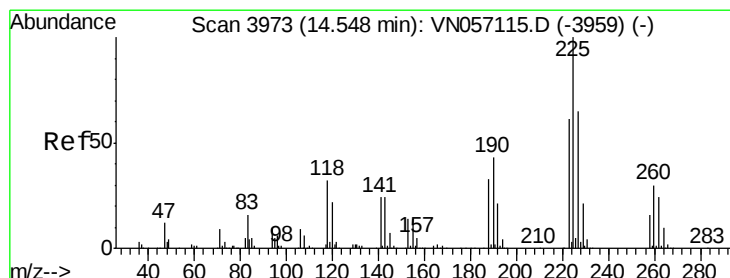
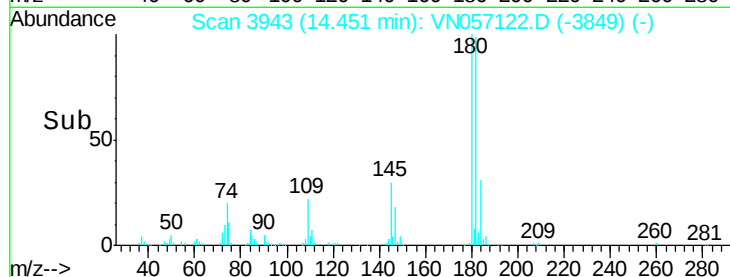
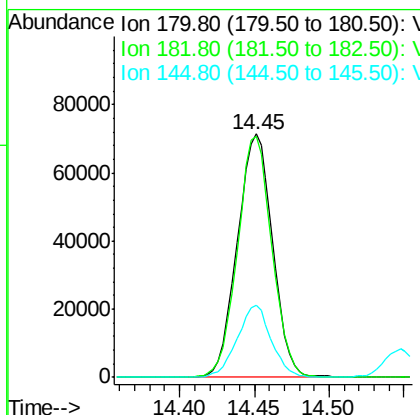
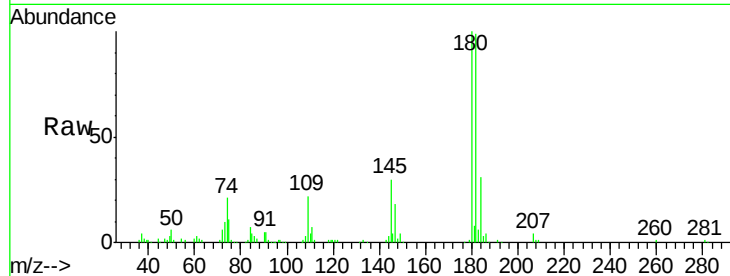
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.891 ug/l  
 RT: 14.45 min Scan# 3943  
 Delta R.T. 0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 116884 |       |       |
| 182     | 96.6  | 47.5   | 142.6 |       |
| 145     | 28.7  | 14.1   | 42.2  |       |

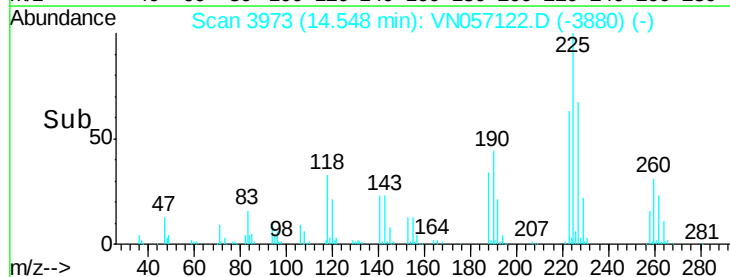
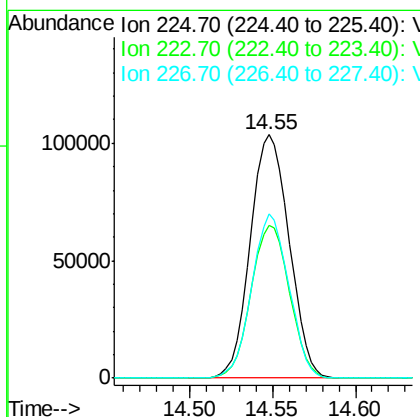
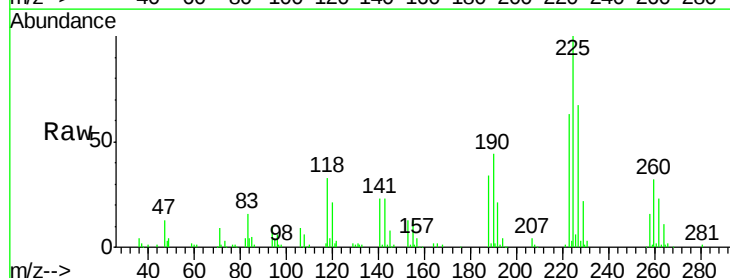
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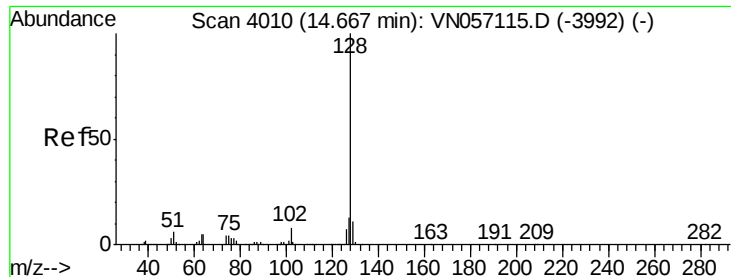
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 8/9/2019 9:27:56 AM



#94  
 Hexachlorobutadiene  
 Concen: 23.820 ug/l  
 RT: 14.55 min Scan# 3973  
 Delta R.T. 0.00 min  
 Lab File: VN057122.D  
 Acq: 8 Aug 2019 11:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 168699 |       |       |
| 223     | 62.3  | 30.9   | 92.8  |       |
| 227     | 64.2  | 32.4   | 97.0  |       |





#95

Naphthalene

Concen: 17.811 ug/l

RT: 14.66 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

Instrument :

MSVOA\_N

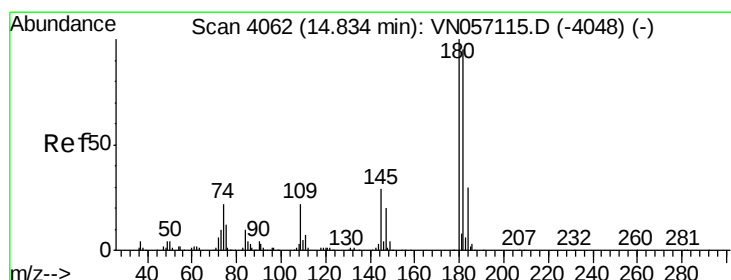
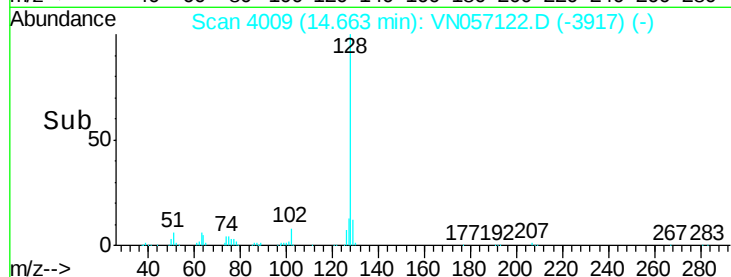
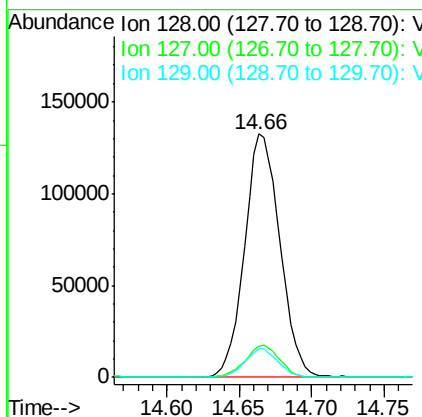
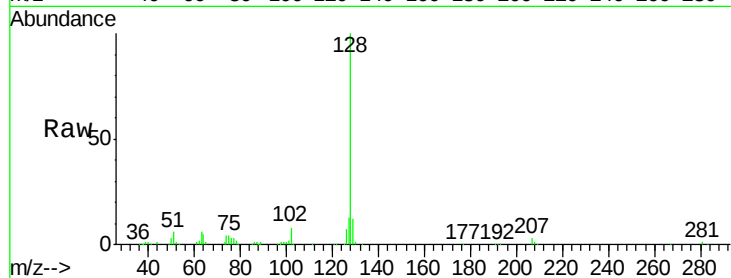
ClientSampleId :

VN0808WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 224715 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.3  | 15.5   |
| 129       | 11.1  | 8.8   | 13.2   |

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#96

1,2,3-Trichlorobenzene

Concen: 19.105 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057122.D

Acq: 8 Aug 2019 11:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 124247 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.1  | 48.3  | 144.8  |
| 145       | 29.4  | 14.9  | 44.5   |

