

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\  
 Data File : VN057297.D  
 Acq On : 14 Aug 2019 19:53  
 Operator : JC/SP  
 Sample : VN0815WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

Manual Integrations  
 APPROVED

MMdadoda  
 8/19/2019 1:53:22 AM

Quant Time: Aug 15 08:39:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 15 08:22:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 962922   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1447778  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1275513  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 444330   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 514241   | 49.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.26%  |      |
| 35) Dibromofluoromethane  | 7.58   | 113 | 461461   | 48.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.24%  |      |
| 50) Toluene-d8            | 10.09  | 98  | 1736264  | 50.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.04% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 547266   | 44.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.22%  |      |

## Target Compounds

|                               |      |     |         |        |        | Qvalue |
|-------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 157281  | 18.982 | ug/l   | 96     |
| 3) Chloromethane              | 2.06 | 50  | 193100  | 19.744 | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 183611  | 19.955 | ug/l   | 99     |
| 5) Bromomethane               | 2.54 | 94  | 141406  | 21.560 | ug/l   | 97     |
| 6) Chloroethane               | 2.70 | 64  | 123204  | 19.466 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 277217  | 19.208 | ug/l   | 99     |
| 8) Diethyl Ether              | 3.40 | 74  | 106456  | 19.598 | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 166007  | 19.577 | ug/l   | 100    |
| 10) Methyl Iodide             | 3.95 | 142 | 258962  | 19.106 | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.76 | 59  | 135065  | 90.759 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 167053  | 19.773 | ug/l   | 95     |
| 13) Acrolein                  | 3.60 | 56  | 85370   | 94.496 | ug/l   | 98     |
| 14) Allyl chloride            | 4.31 | 41  | 261877  | 19.337 | ug/l   | 99     |
| 15) Acrylonitrile             | 4.97 | 53  | 393223  | 97.326 | ug/l   | 99     |
| 16) Acetone                   | 3.81 | 43  | 300322  | 82.703 | ug/l   | 98     |
| 17) Carbon Disulfide          | 4.05 | 76  | 438404  | 19.261 | ug/l   | 100    |
| 18) Methyl Acetate            | 4.31 | 43  | 195667  | 18.649 | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 5.03 | 73  | 522122  | 19.695 | ug/l   | 99     |
| 20) Methylene Chloride        | 4.54 | 84  | 194372  | 19.131 | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 176574  | 19.435 | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.94 | 45  | 529506  | 19.792 | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.88 | 43  | 2118820 | 98.408 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.84 | 63  | 321375  | 19.526 | ug/l   | 99     |
| 25) 2-Butanone                | 6.82 | 43  | 491874  | 93.538 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.81 | 77  | 238543  | 17.933 | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96  | 208906  | 19.422 | ug/l   | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 154326  | 21.103 | ug/l # | 98     |
| 29) Tetrahydrofuran           | 7.20 | 42  | 322234  | 96.829 | ug/l   | 98     |
| 30) Chloroform                | 7.36 | 83  | 331642  | 19.227 | ug/l   | 95     |
| 31) Cyclohexane               | 7.65 | 56  | 278811  | 19.547 | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 7.56 | 97  | 285482  | 19.678 | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 241816  | 18.917 | ug/l   | 98     |
| 37) Ethyl Acetate             | 6.91 | 43  | 207577  | 19.826 | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 249593  | 18.792 | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\  
 Data File : VN057297.D  
 Acq On : 14 Aug 2019 19:53  
 Operator : JC/SP  
 Sample : VN0815WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

Manual Integrations  
 APPROVED

MMdadoda  
 8/19/2019 1:53:22 AM

Quant Time: Aug 15 08:39:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 15 08:22:24 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 283999   | 19.027  | ug/l   | 99       |
| 40) Benzene                    | 8.03  | 78   | 743284   | 19.011  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.16  | 41   | 93037    | 19.733  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 245051   | 18.937  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 352534   | 17.174  | ug/l   | 97       |
| 44) Trichloroethene            | 8.83  | 130  | 210188   | 19.121  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.11  | 63   | 198110   | 19.658  | ug/l   | 100      |
| 46) Dibromomethane             | 9.20  | 93   | 127032   | 18.894  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 254369   | 19.095  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.19  | 41   | 161784   | 18.765  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.19  | 88   | 66555    | 367.081 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 1015273  | 93.997  | ug/l   | 100      |
| 52) Toluene                    | 10.15 | 92   | 476242   | 19.570  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 265494   | 18.426  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.83  | 75   | 303444   | 19.098  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 186395   | 19.478  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 270697   | 19.384  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.70 | 76   | 306691   | 19.185  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 294829   | 83.080  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 703971   | 90.657  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 209940   | 19.577  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 195804   | 19.208  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 215823   | 19.573  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 506480   | 19.469  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 195637   | 19.636  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 882883   | 19.398  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 653847   | 38.991  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 321236   | 19.510  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 511736   | 19.498  | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 150073   | 19.093  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 866007   | 22.656  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 249280   | 19.334  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 245315   | 22.365  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 204416m  | 22.335  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 217973   | 21.664  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 855319   | 19.990  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 548139   | 22.115  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 704179   | 22.270  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 69976    | 19.204  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 493457   | 19.462  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 637879   | 22.623  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 655309   | 20.476  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 757312   | 21.673  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 654114   | 19.963  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 301502   | 19.367  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 281407   | 19.042  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 481250   | 20.602  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 127105   | 21.479  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 297500   | 20.500  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 28100    | 17.735  | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\  
Data File : VN057297.D  
Acq On : 14 Aug 2019 19:53  
Operator : JC/SP  
Sample : VN0815WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

Manual Integrations  
APPROVED

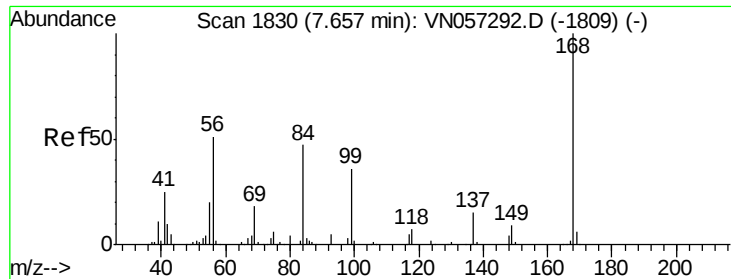
MMdadoda  
8/19/2019 1:53:22 AM

Quant Time: Aug 15 08:39:38 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 15 08:22:24 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 72019    | 16.436 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 129753   | 20.668 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 144664   | 20.116 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180  | 72062    | 20.312 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion:168 Resp: 962922

Ion Ratio Lower Upper

168 100

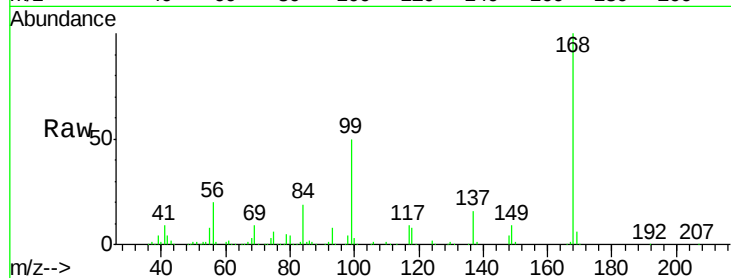
99 50.0 39.4 59.2

Manual Integrations

APPROVED

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8/19/2019 1:53:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

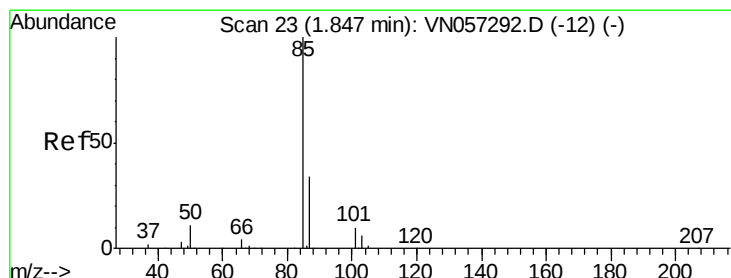
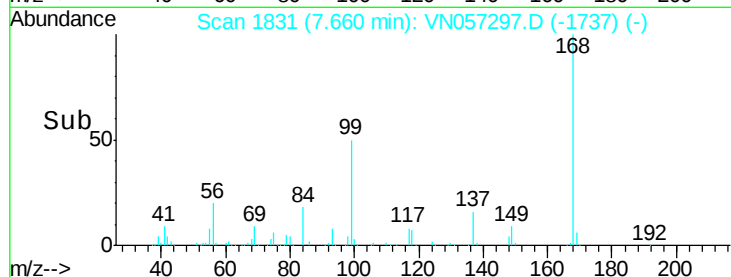
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.982 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057297.D

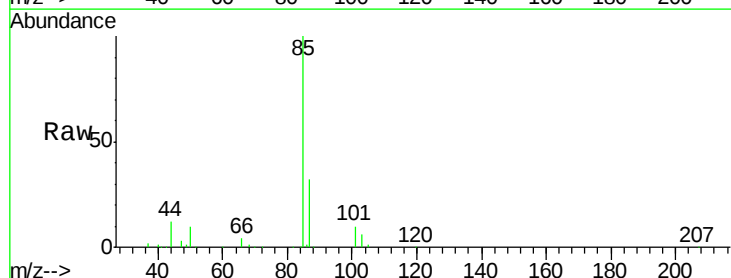
Acq: 14 Aug 2019 19:53

Tgt Ion: 85 Resp: 157281

Ion Ratio Lower Upper

85 100

87 31.6 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

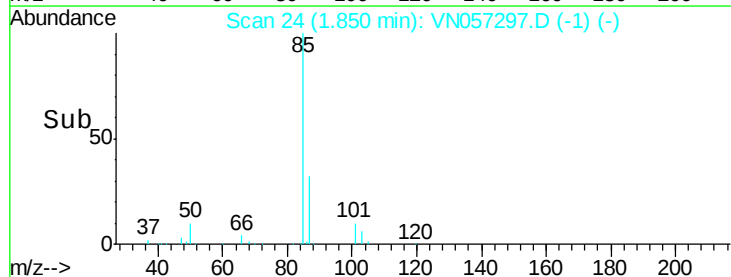
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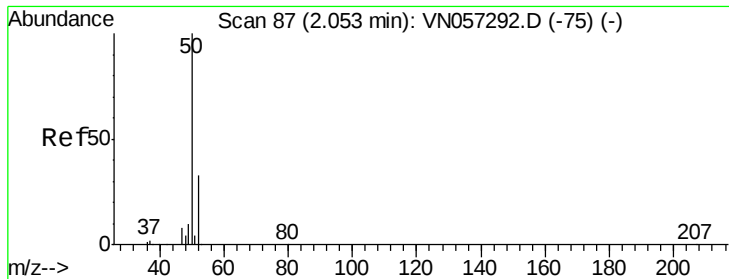
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.744 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 50 Resp: 193100

Ion Ratio Lower Upper

50 100

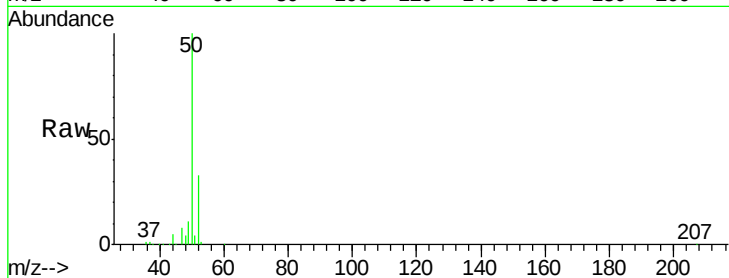
52 33.1 26.8 40.2

Manual Integrations

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8/19/2019 1:53:22 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

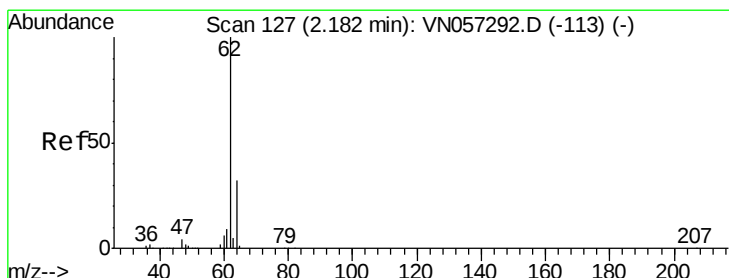
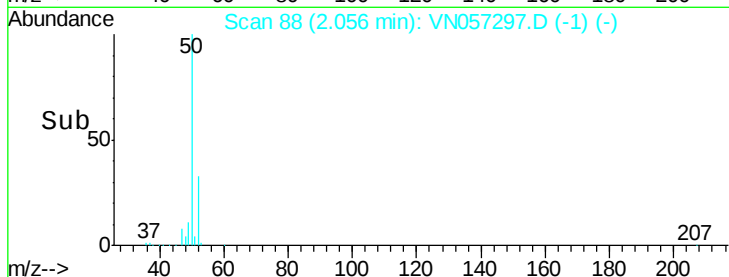
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.955 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057297.D

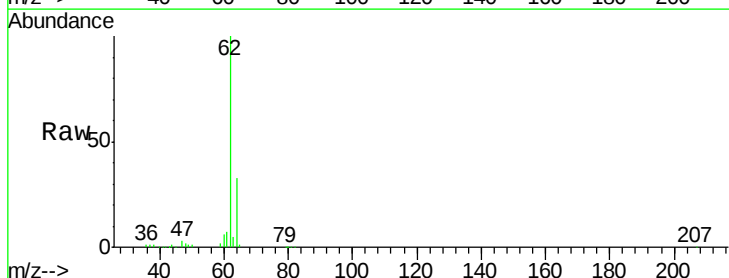
Acq: 14 Aug 2019 19:53

Tgt Ion: 62 Resp: 183611

Ion Ratio Lower Upper

62 100

64 32.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

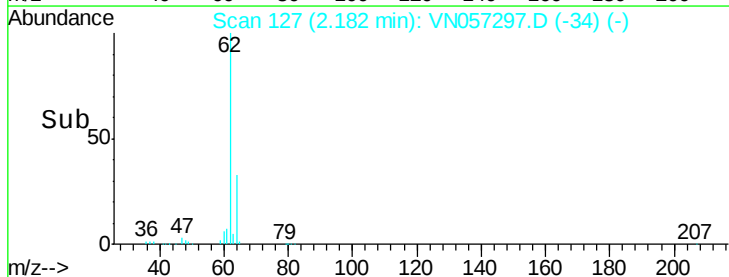
2.18

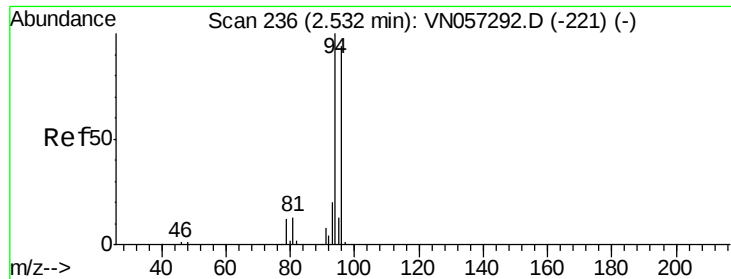
100000

50000

0

Time-->





#5

Bromomethane

Concen: 21.560 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 94 Resp: 141406

Ion Ratio Lower Upper

94 100

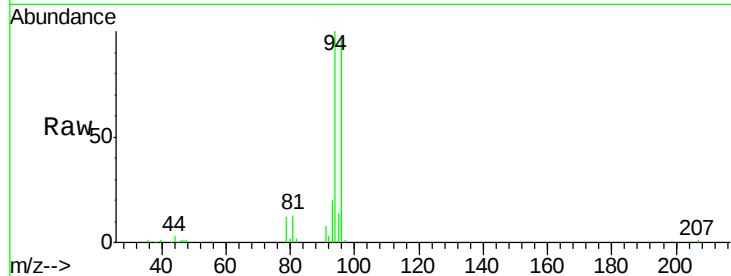
96 96.8 75.0 112.6

Manual Integrations

APPROVED

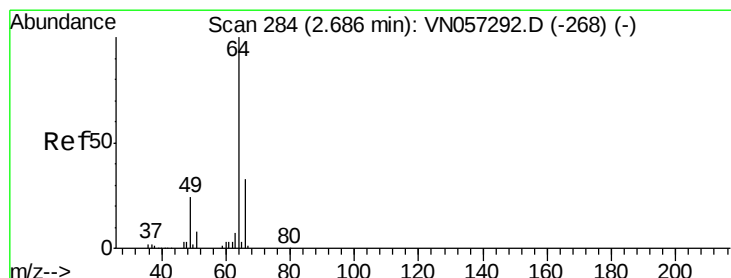
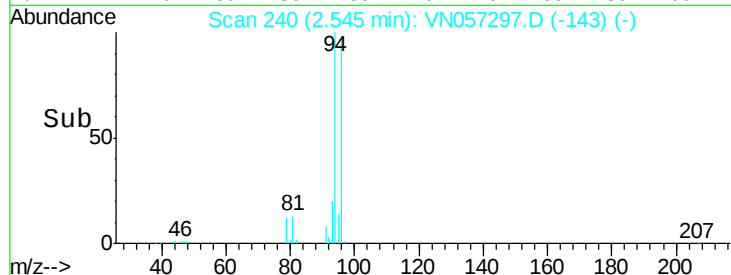
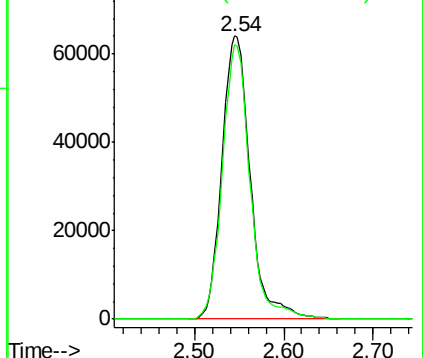
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8/19/2019 1:53:22 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.466 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN057297.D

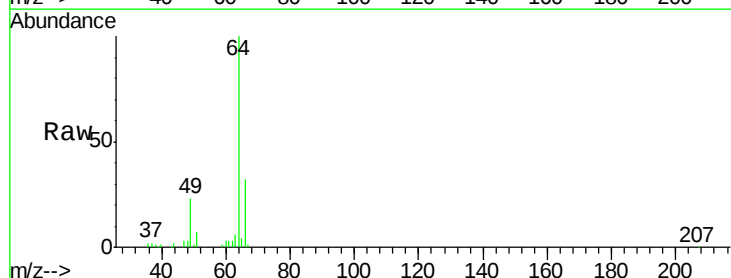
Acq: 14 Aug 2019 19:53

Tgt Ion: 64 Resp: 123204

Ion Ratio Lower Upper

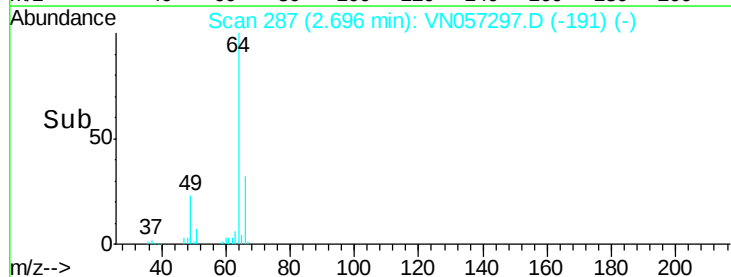
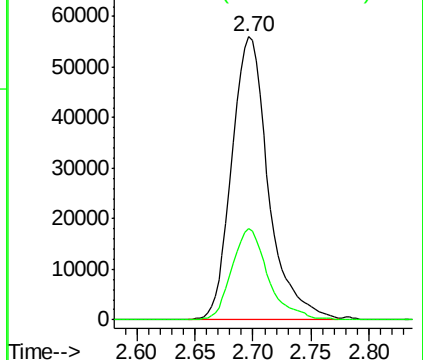
64 100

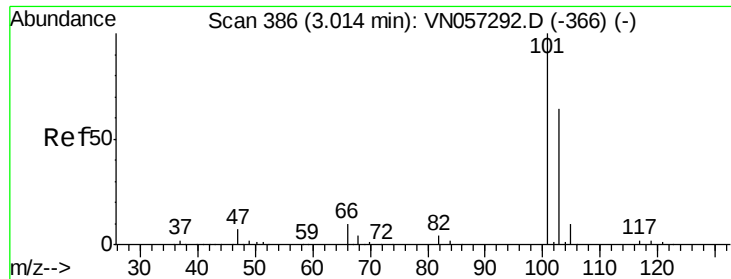
66 32.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

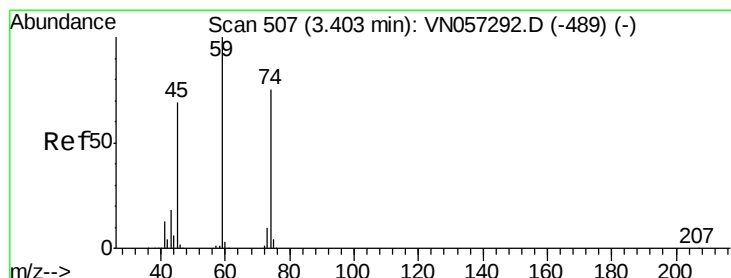
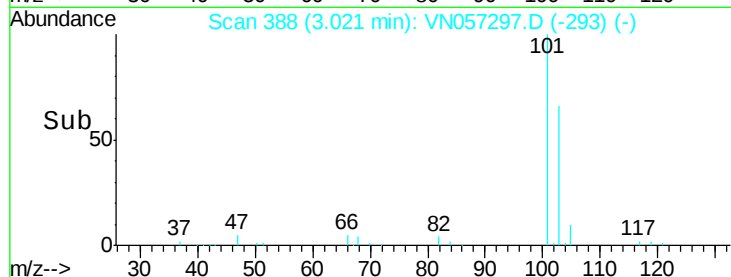
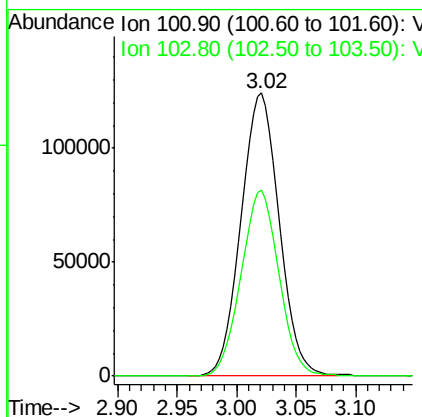
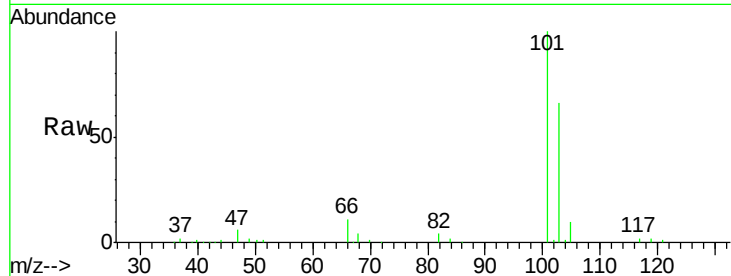
Trichlorofluoromethane  
 Concen: 19.208 ug/l  
 RT: 3.02 min Scan# 388  
 Delta R.T. 0.01 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 277217 |       |       |
| 103     | 65.5  | 51.5   | 77.3  |       |

Manual Integrations  
 APPROVED

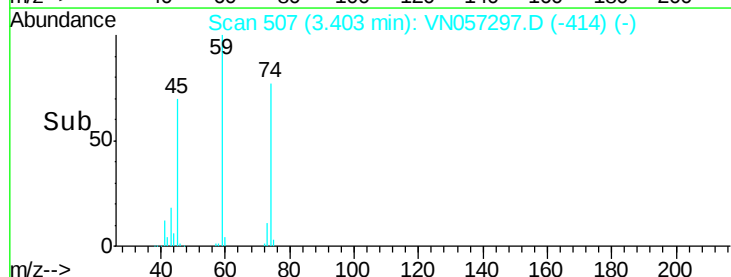
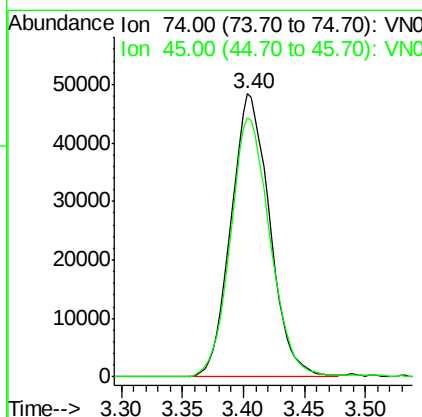
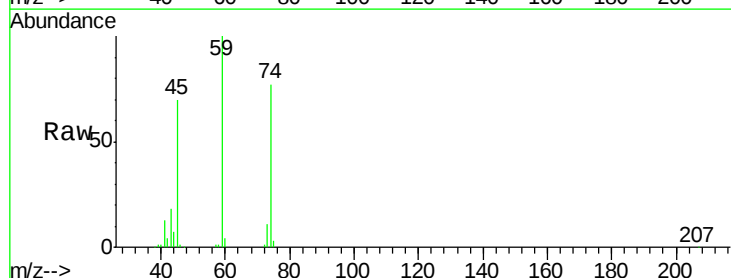
MMdadoda  
 8/19/2019 1:53:22 AM

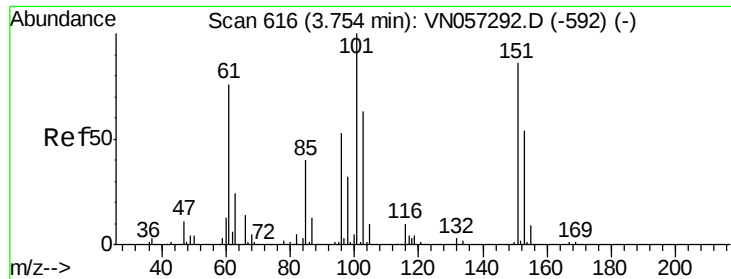


#8

Diethyl Ether  
 Concen: 19.598 ug/l  
 RT: 3.40 min Scan# 507  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 74      | 100   | 106456 |       |       |
| 45      | 93.5  | 45.9   | 137.6 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.577 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

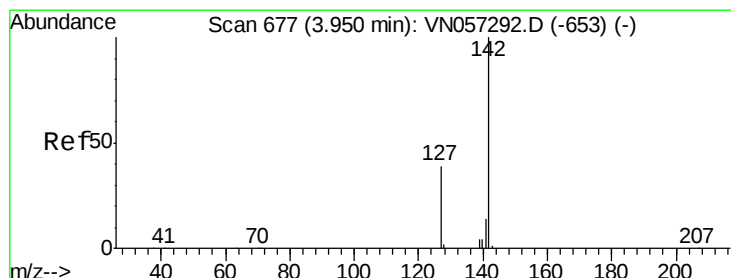
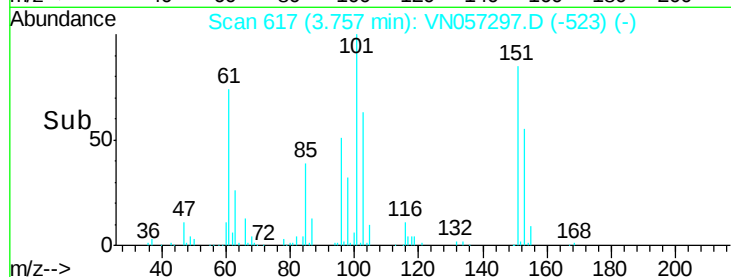
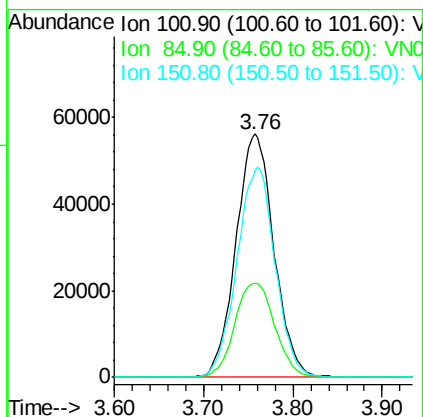
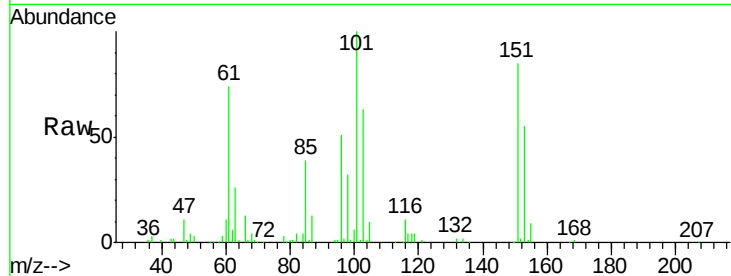
ClientSampleId :

VN0815WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 166007 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 40.9  | 32.7  | 49.1   |
| 151       | 86.9  | 69.1  | 103.7  |

Manual Integrations  
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MMdadoda  
8/19/2019 1:53:22 AM



#10

Methyl Iodide

Concen: 19.106 ug/l

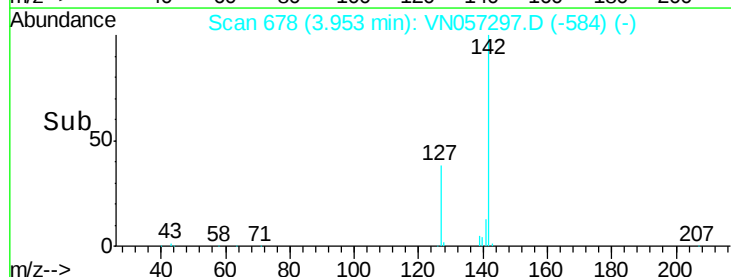
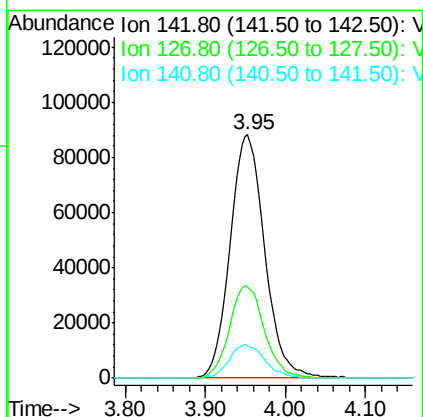
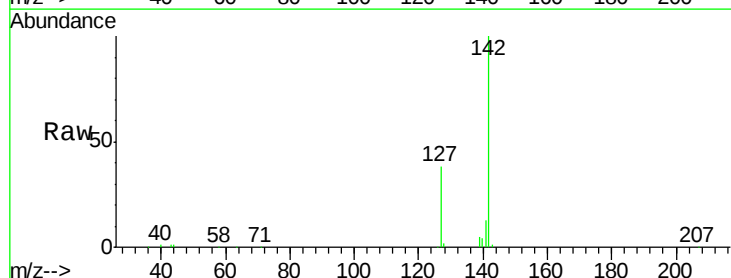
RT: 3.95 min Scan# 678

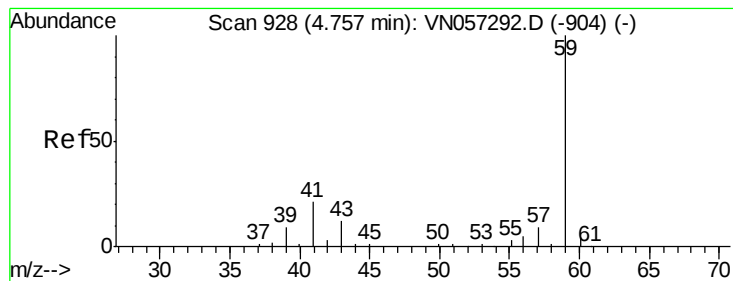
Delta R.T. 0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 258962 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.2  | 31.6  | 47.4   |
| 141       | 14.2  | 11.2  | 16.8   |





#11

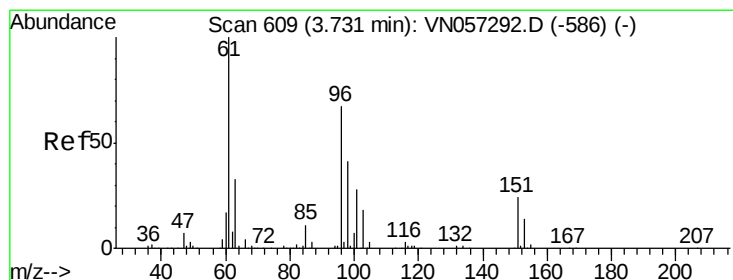
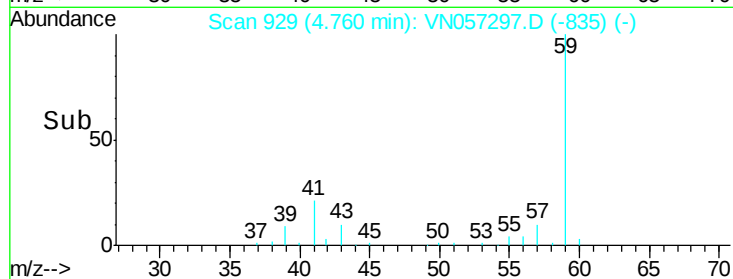
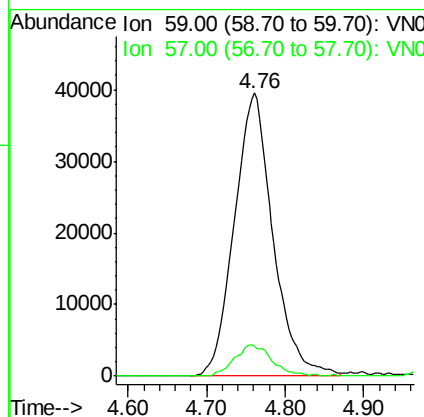
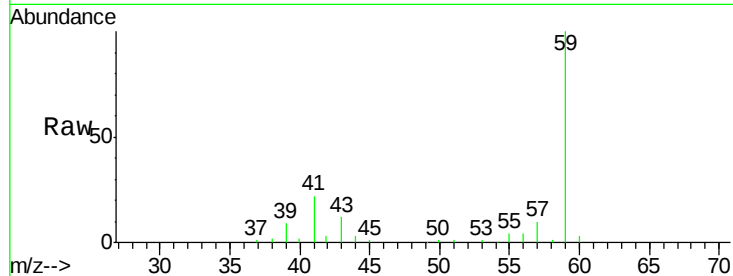
Tert butyl alcohol  
 Concen: 90.759 ug/l  
 RT: 4.76 min Scan# 929  
 Delta R.T. 0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 59      | 100   | 135065 |       |       |
| 57      | 10.7  |        | 8.2   | 12.2  |

Manual Integrations  
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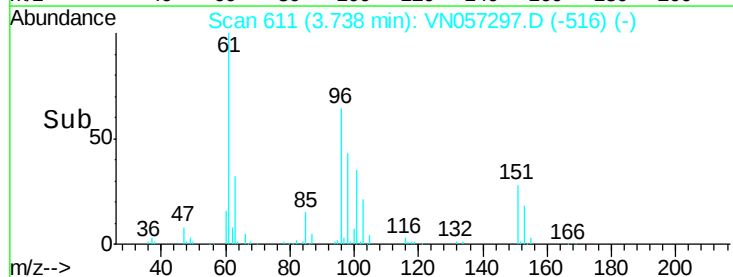
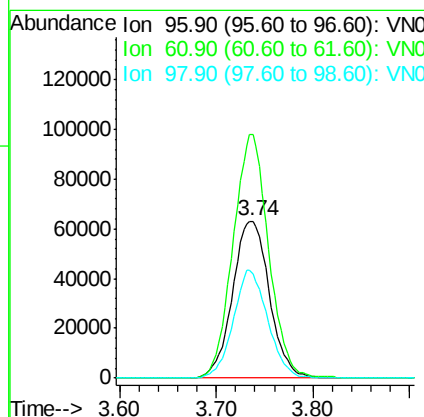
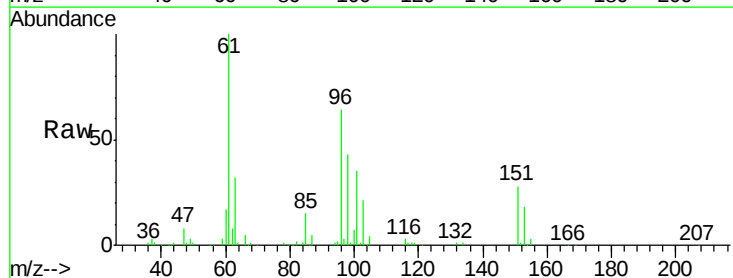
MMDadoda  
 8/19/2019 1:53:22 AM

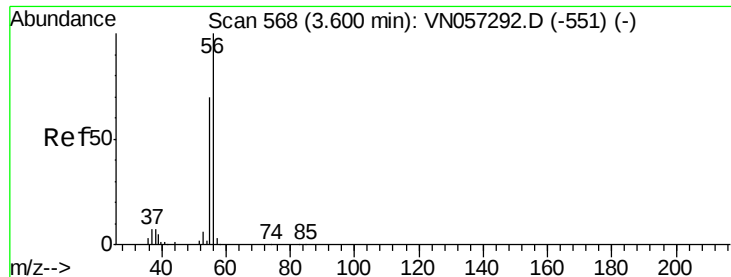


#12

1,1-Dichloroethene  
 Concen: 19.773 ug/l  
 RT: 3.74 min Scan# 611  
 Delta R.T. 0.01 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 167053 |       |       |
| 61      | 155.0 |        | 119.7 | 179.5 |
| 98      | 66.4  |        | 49.0  | 73.4  |





#13

Acrolein

Concen: 94.496 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 56 Resp: 85370

Ion Ratio Lower Upper

56 100

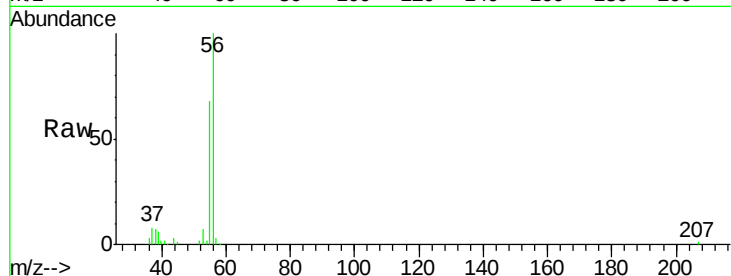
55 69.0 56.6 84.8

Manual Integrations

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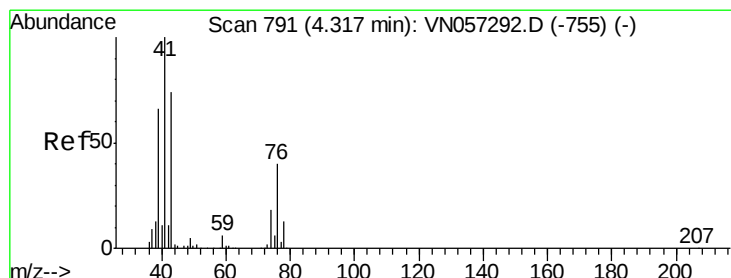
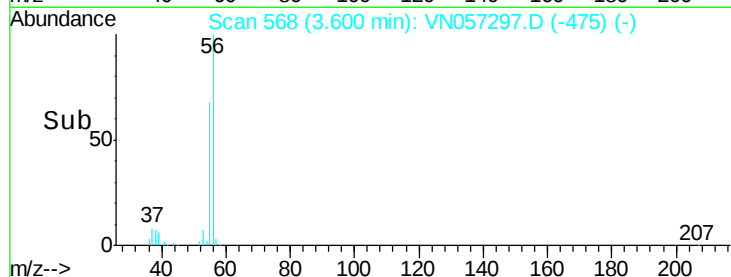
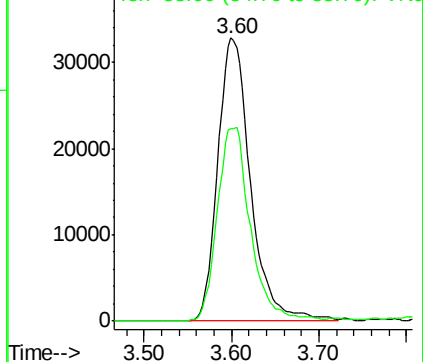
MMdadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.337 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

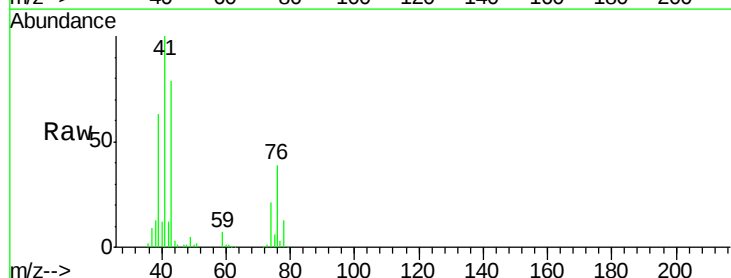
Tgt Ion: 41 Resp: 261877

Ion Ratio Lower Upper

41 100

39 62.1 49.0 73.6

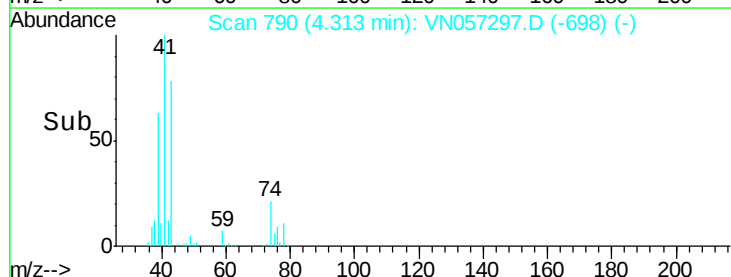
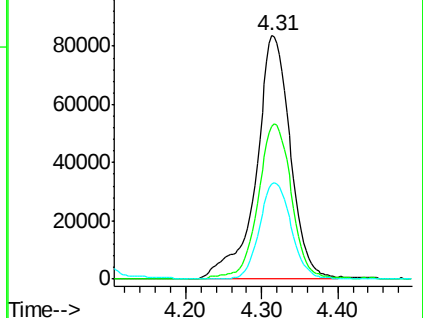
76 36.6 29.0 43.4

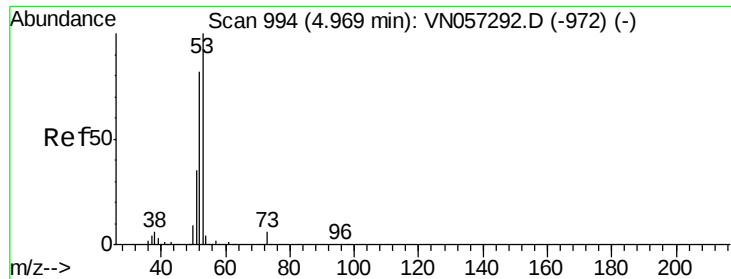


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.326 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

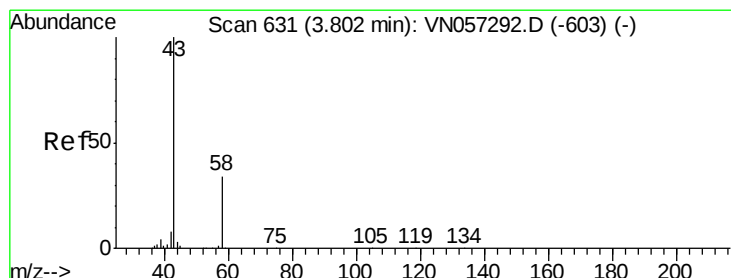
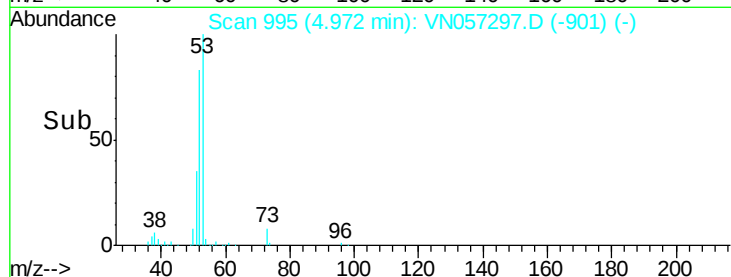
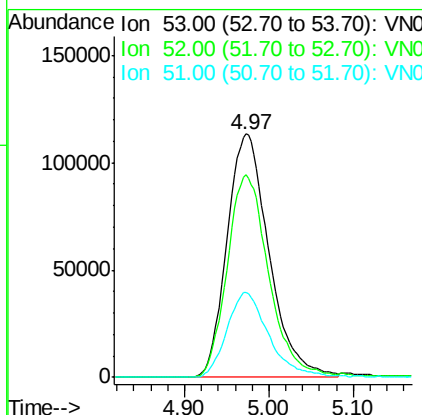
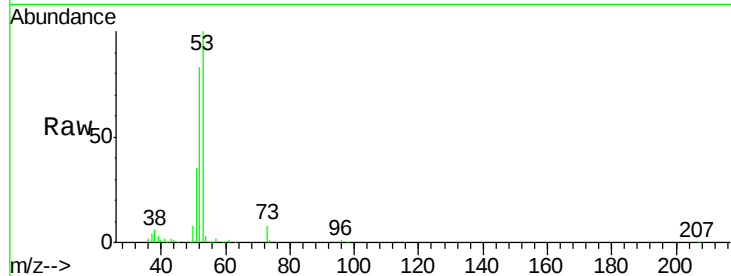
ClientSampleId :

VN0815WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 393223 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.0  | 66.2  | 99.2   |
| 51        | 34.6  | 28.5  | 42.7   |

Manual Integrations  
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8/19/2019 1:53:22 AM



#16

Acetone

Concen: 82.703 ug/l

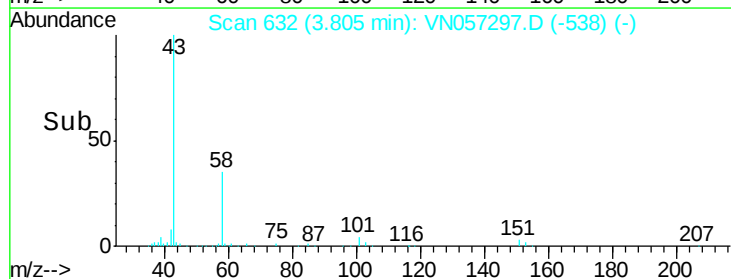
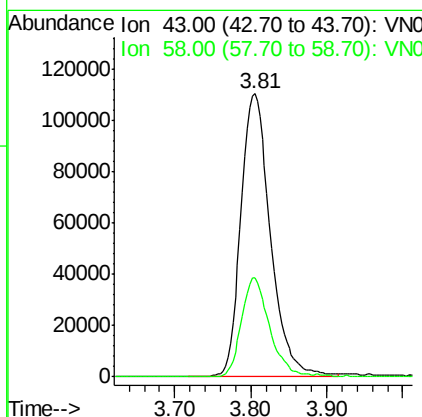
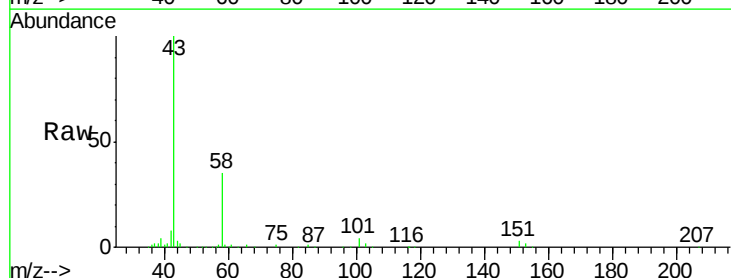
RT: 3.81 min Scan# 632

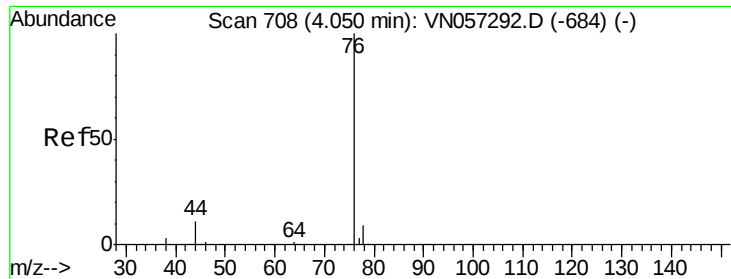
Delta R.T. 0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 300322 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 34.8  | 27.0  | 40.6   |





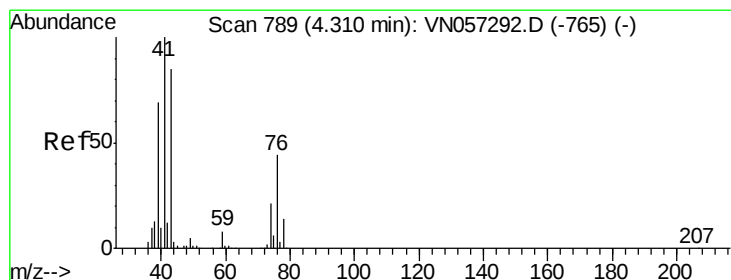
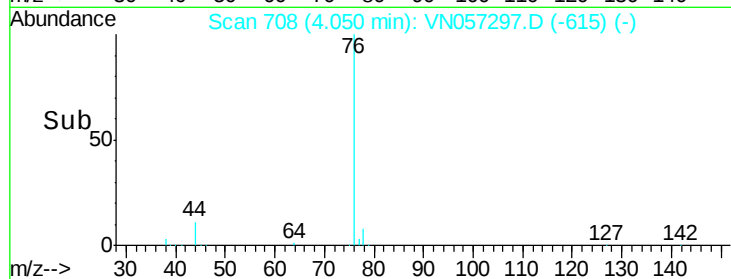
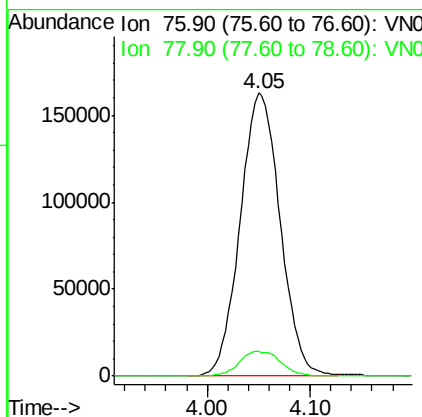
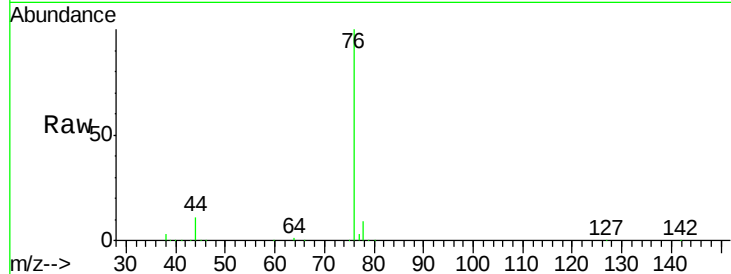
#17  
Carbon Disulfide  
Concen: 19.261 ug/l  
RT: 4.05 min Scan# 708  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion   | 76    | Resp  | 438404 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 76        | 100   |       |        |
| 78        | 8.7   | 7.0   | 10.6   |

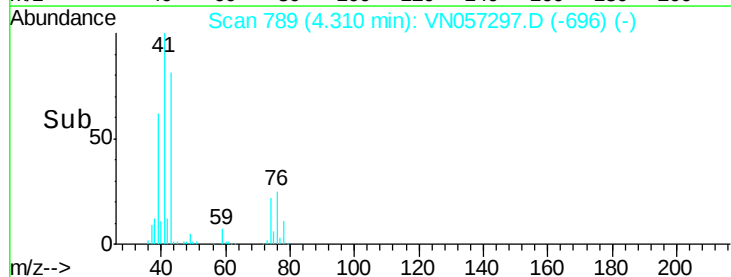
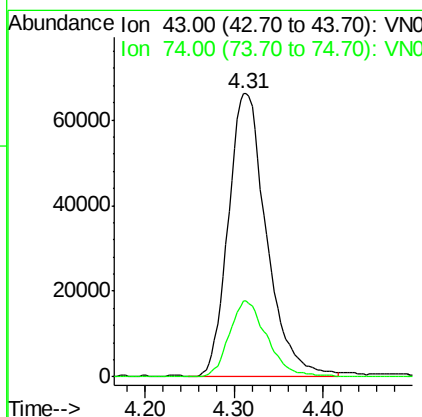
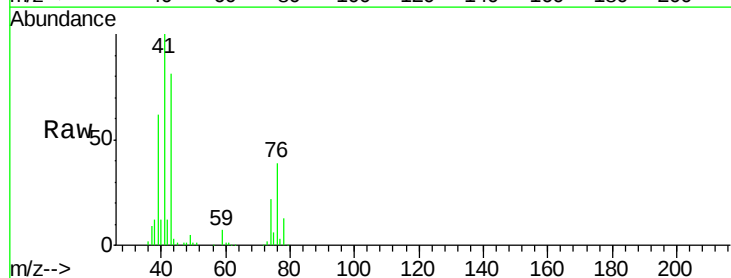
Manual Integrations  
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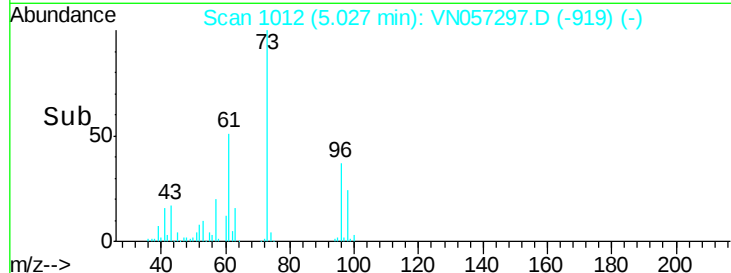
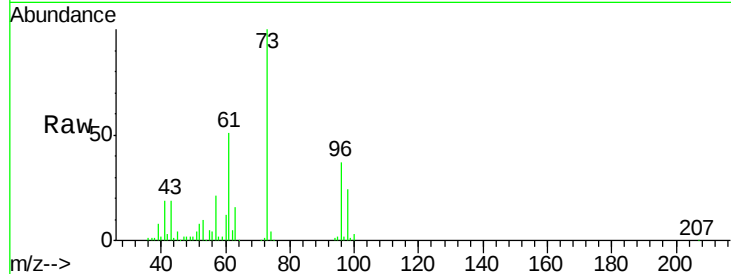
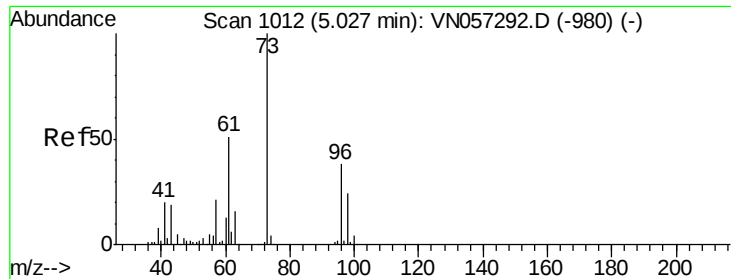
MMdadoda  
8/19/2019 1:53:22 AM



#18  
Methyl Acetate  
Concen: 18.649 ug/l  
RT: 4.31 min Scan# 789  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion   | 43    | Resp  | 195667 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 74        | 26.5  | 20.2  | 30.2   |





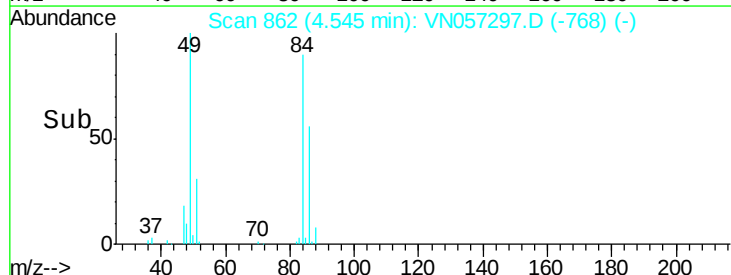
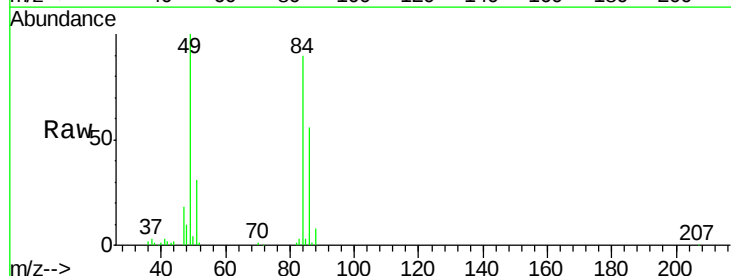
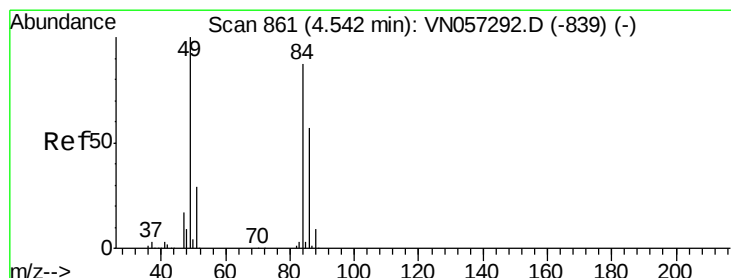
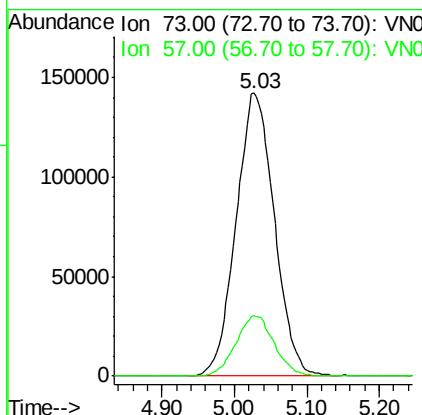
#19  
Methvl tert-butvl Ether  
Concen: 19.695 ug/l  
RT: 5.03 min Scan# 1012  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Tot Ion: 73 Resp: 522122  
Ion Ratio Lower Upper  
73 100  
57 21.3 16.9 25.3

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

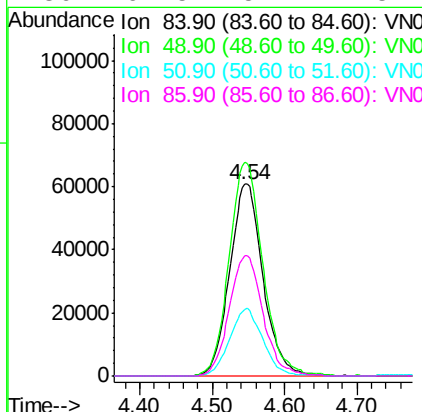
Manual Integrations  
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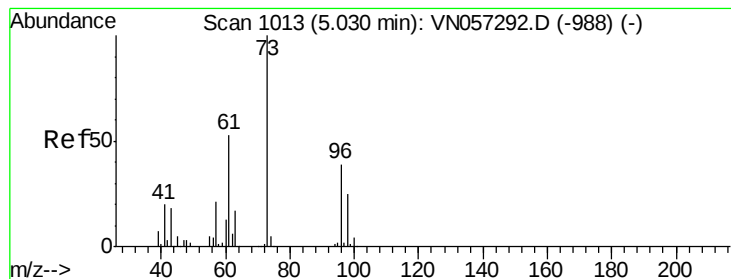
MMdadoda  
8/19/2019 1:53:22 AM



#20  
Methylene Chloride  
Concen: 19.131 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Tgt Ion: 84 Resp: 194372  
Ion Ratio Lower Upper  
84 100  
49 111.6 92.0 138.0  
51 34.7 27.1 40.7  
86 62.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.435 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

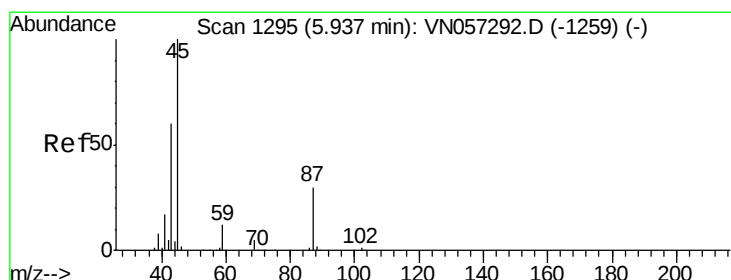
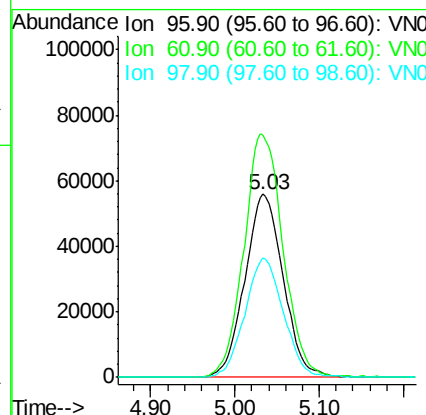
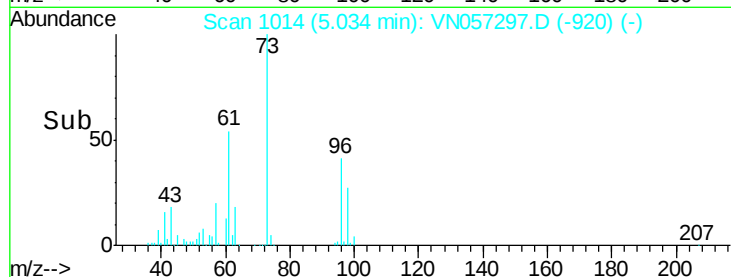
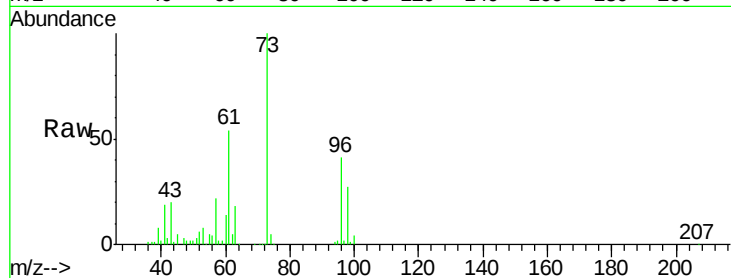
ClientSampleId :

VN0815WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 176574 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 132.0 | 109.5 | 164.3  |
| 98       | 64.9  | 51.0  | 76.6   |

Manual Integrations  
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MMDadoda  
8/19/2019 1:53:22 AM



#22

Diisopropyl ether

Concen: 19.792 ug/l

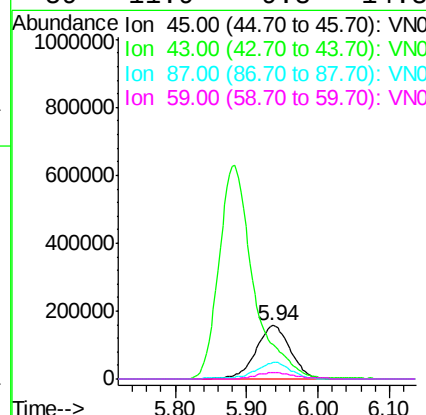
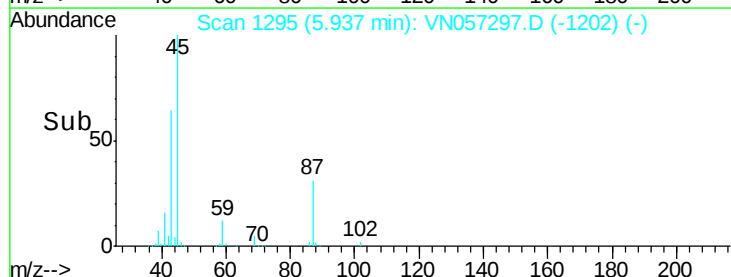
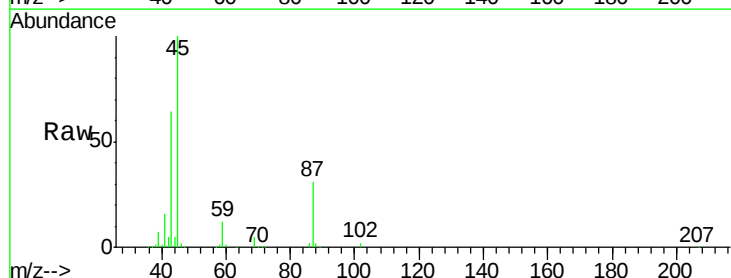
RT: 5.94 min Scan# 1295

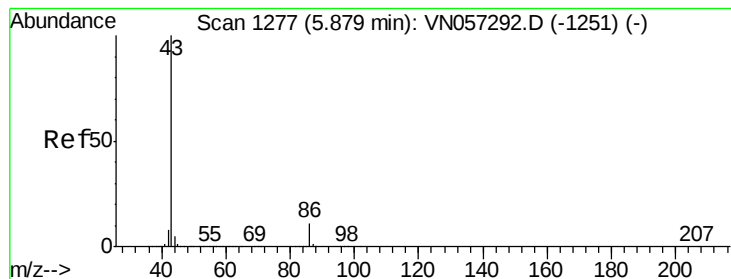
Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 529506 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 61.9  | 48.3  | 72.5   |
| 87       | 30.4  | 24.6  | 36.8   |
| 59       | 11.9  | 9.8   | 14.8   |





#23

Vinyl Acetate

Concen: 98.408 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 43 Resp: 2118820

Ion Ratio Lower Upper

43 100

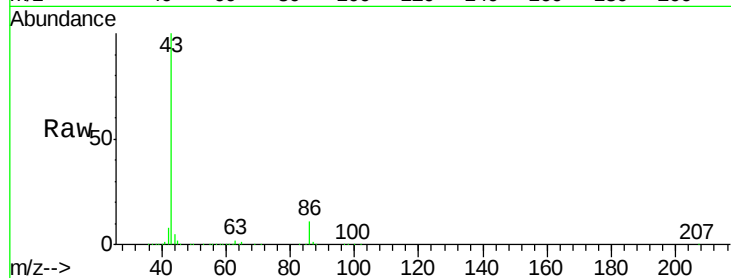
86 10.9 8.7 13.1

Manual Integrations

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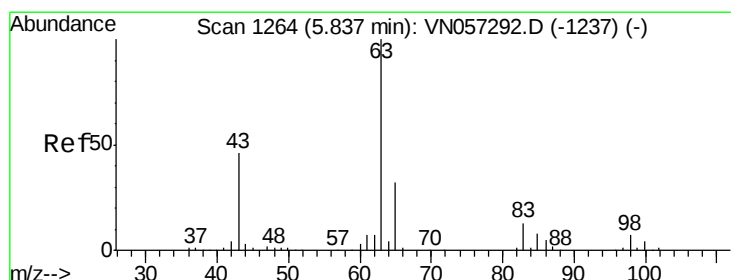
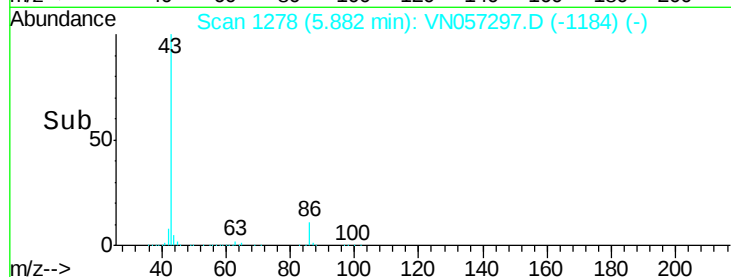
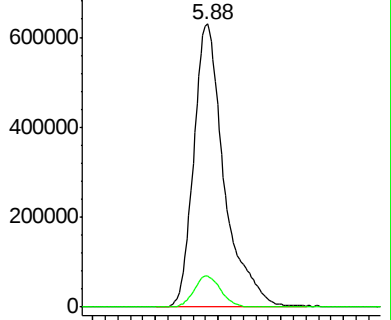
MMdadoda

8/19/2019 1:53:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.526 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

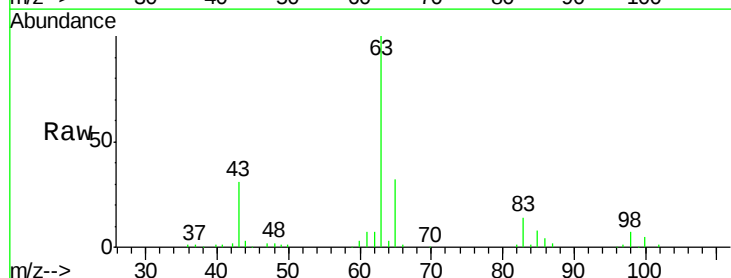
Tgt Ion: 63 Resp: 321375

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

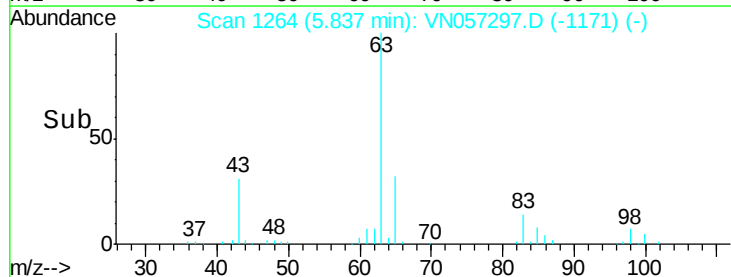
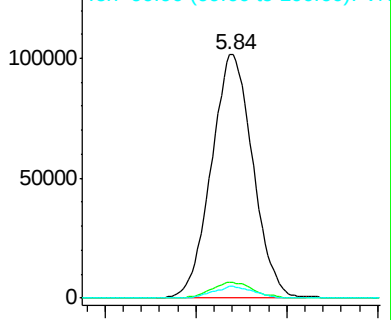
100 4.7 2.1 6.5

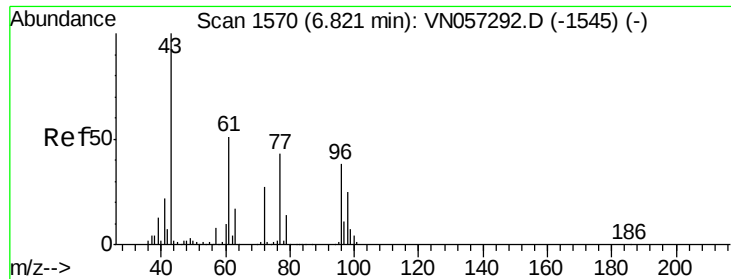


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 93.538 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 43 Resp: 491874

Ion Ratio Lower Upper

43 100

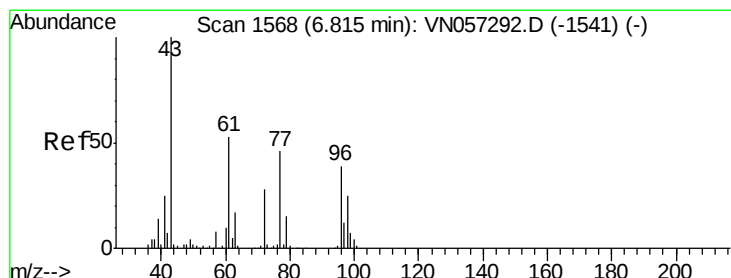
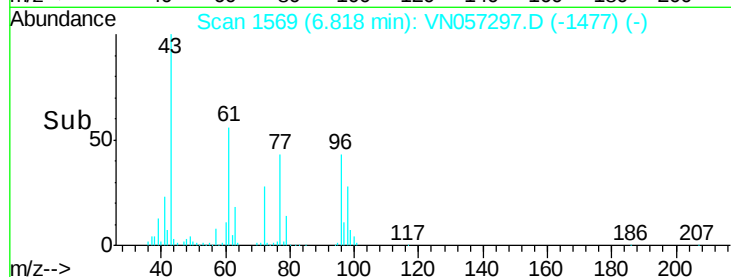
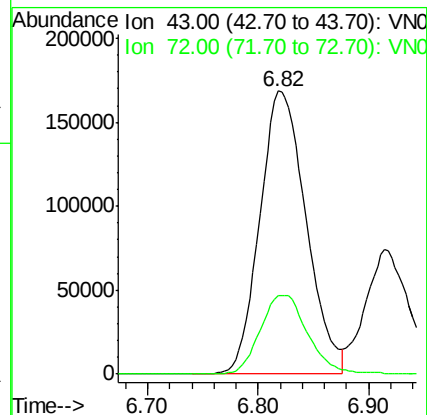
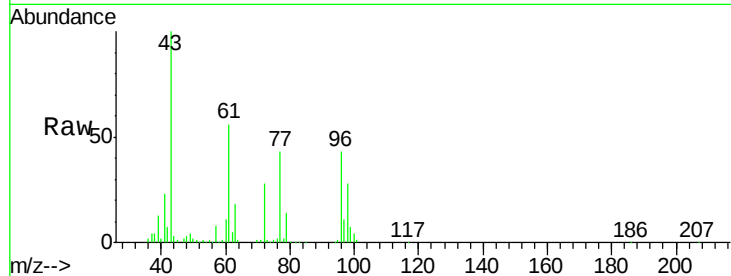
72 27.6 21.5 32.3

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:53:22 AM



#26

2,2-Dichloropropane

Concen: 17.933 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057297.D

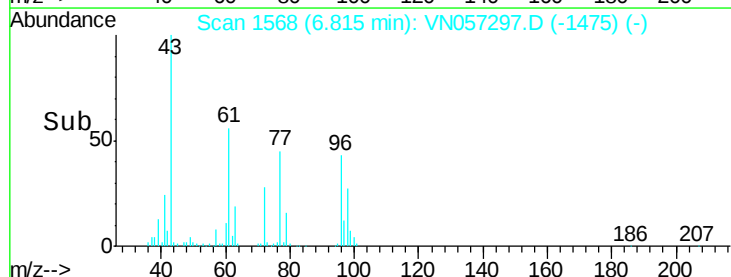
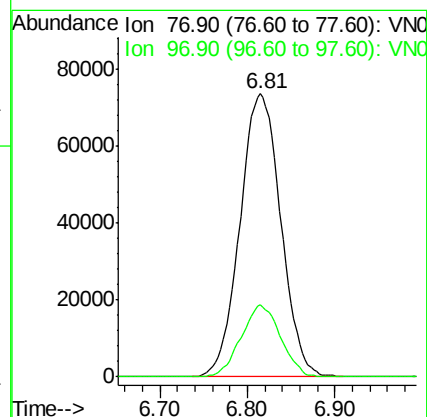
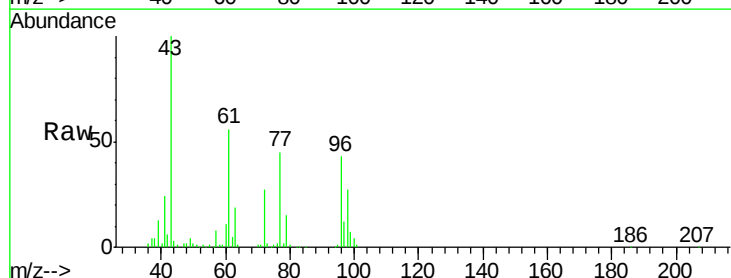
Acq: 14 Aug 2019 19:53

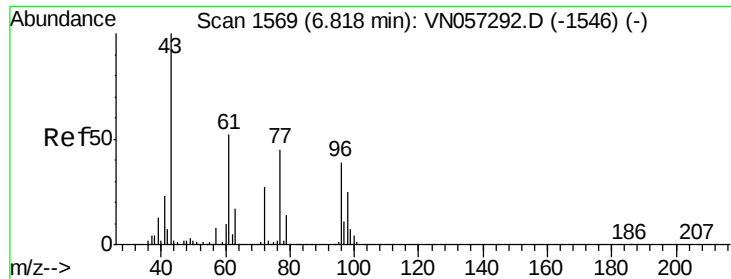
Tgt Ion: 77 Resp: 238543

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.9





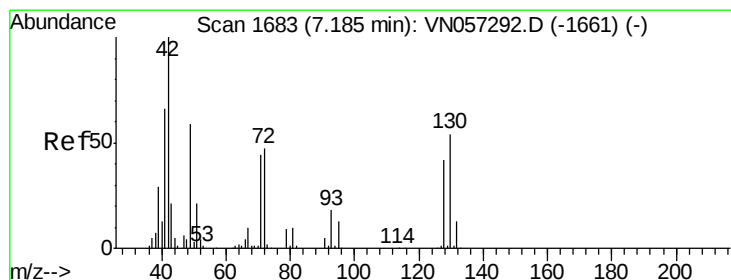
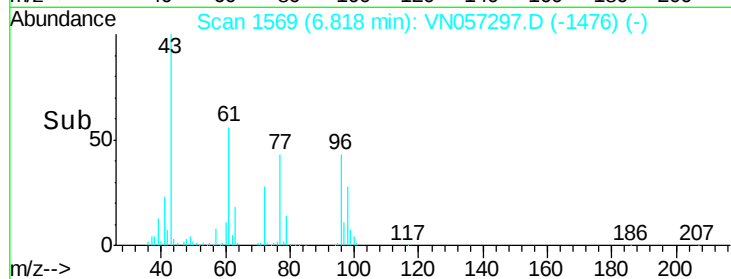
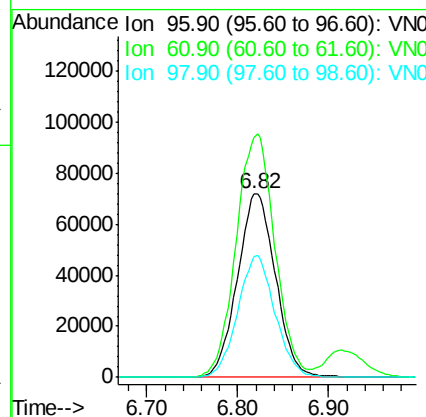
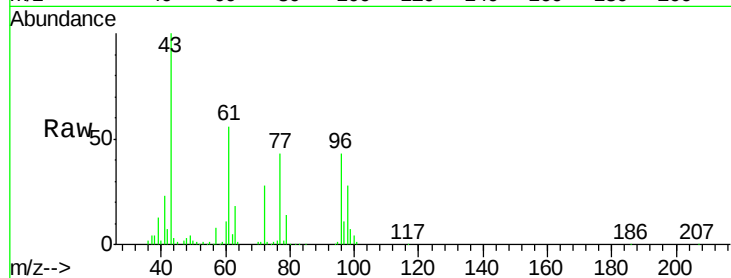
#27  
 cis-1,2-Dichloroethene  
 Concen: 19.422 ug/l  
 RT: 6.82 min Scan# 1569  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 135.2 | 0.0  | 272.0 |       |
| 98      | 65.1  | 0.0  | 130.4 |       |

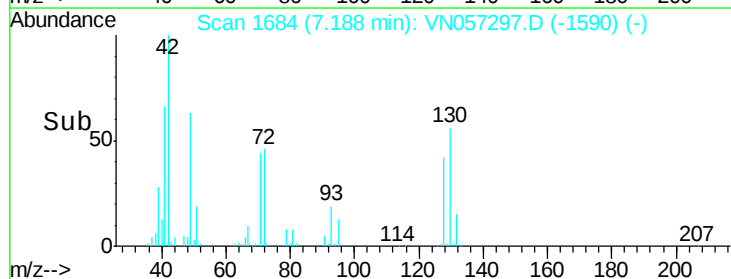
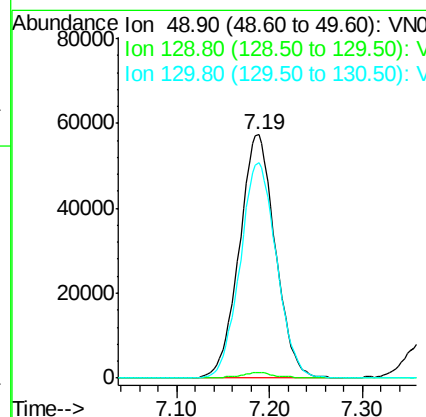
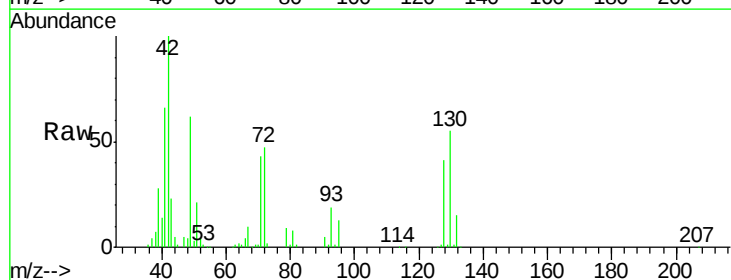
Manual Integrations  
 APPROVED

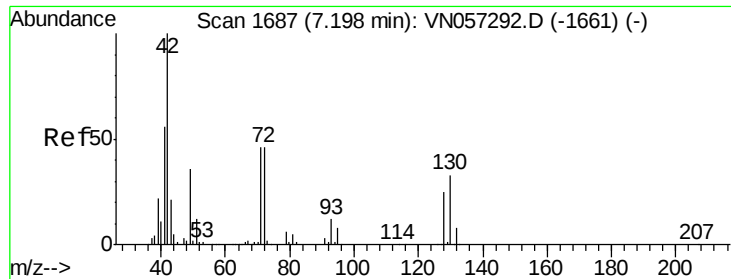
MMdadoda  
 8/19/2019 1:53:22 AM



#28  
 Bromochloromethane  
 Concen: 21.103 ug/l  
 RT: 7.19 min Scan# 1684  
 Delta R.T. 0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.2   | 0.0  | 2.0#  |       |
| 130     | 89.5  | 73.2 | 109.8 |       |





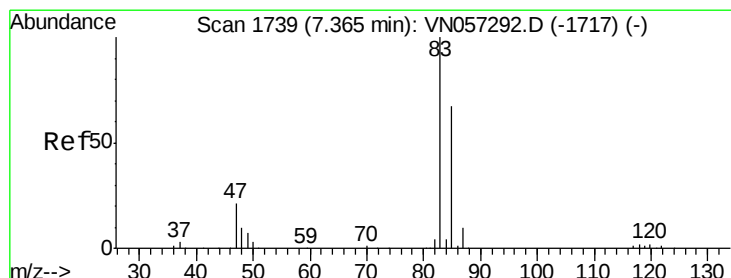
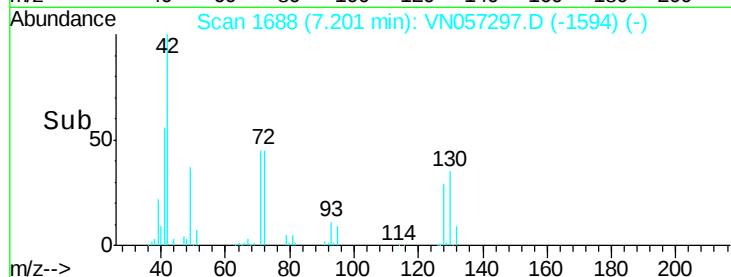
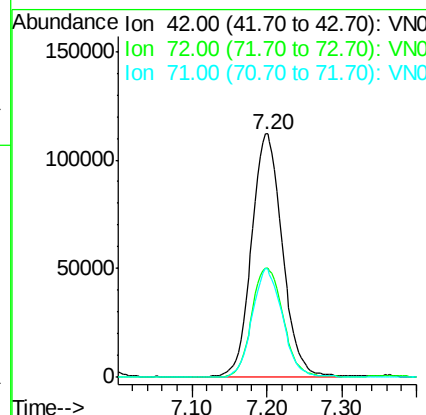
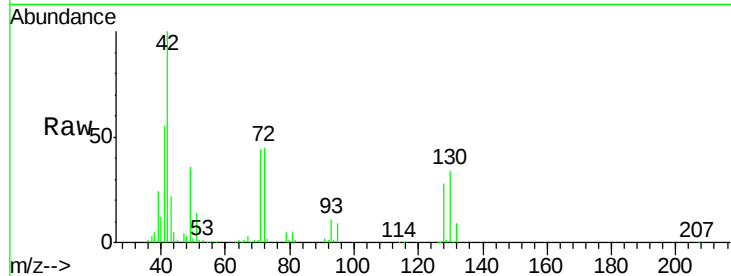
#29  
Tetrahydrofuran  
Concen: 96.829 ug/l  
RT: 7.20 min Scan# 1688  
Delta R.T. 0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.8  | 37.8  | 56.6  |
| 71      | 43.5  | 35.7  | 53.5  |

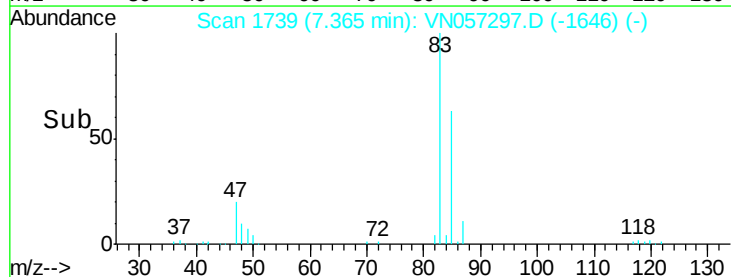
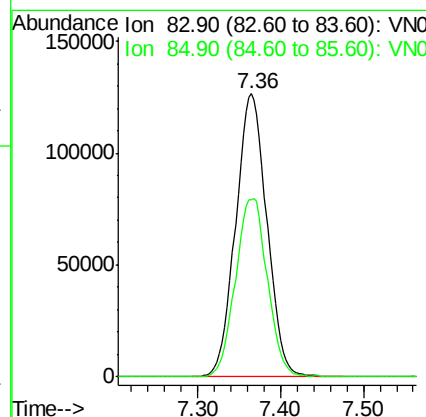
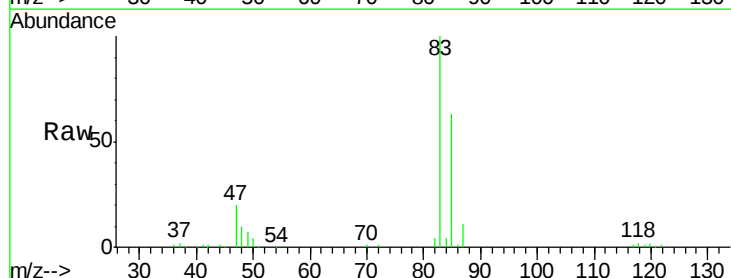
Manual Integrations  
APPROVED

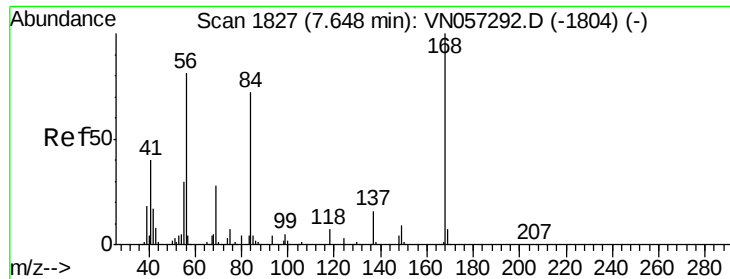
MMdadoda  
8/19/2019 1:53:22 AM



#30  
Chloroform  
Concen: 19.227 ug/l  
RT: 7.36 min Scan# 1739  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 62.7  | 53.3  | 79.9  |





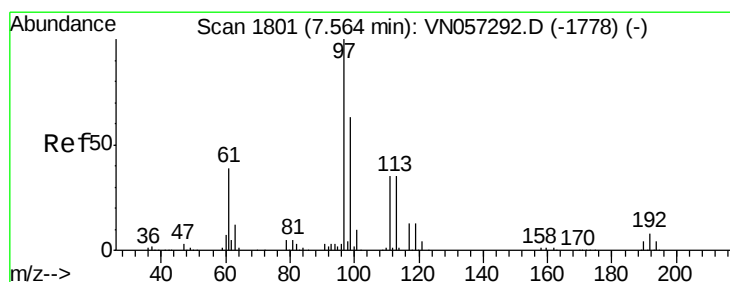
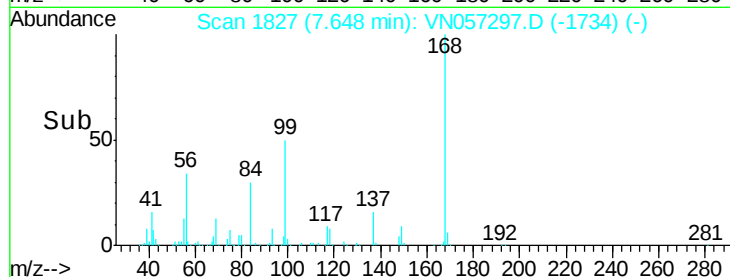
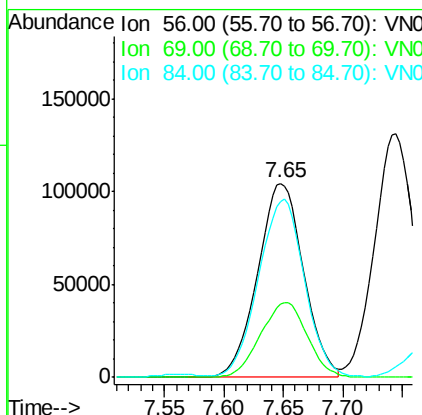
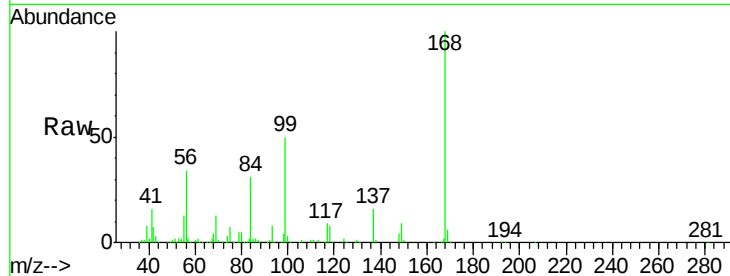
#31  
Cyclohexane  
Concen: 19.547 ug/l  
RT: 7.65 min Scan# 1827  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 56      | 100  |       |       |       |
| 69      | 37.8 | 27.3  | 40.9  |       |
| 84      | 89.5 | 71.0  | 106.6 |       |

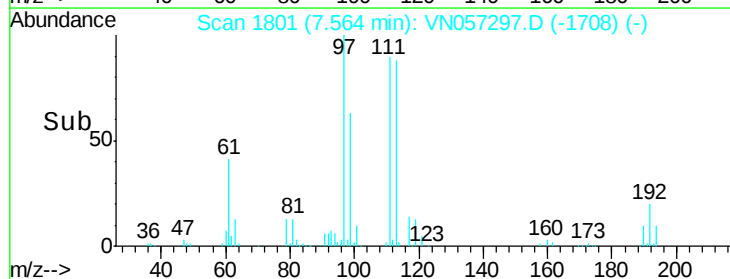
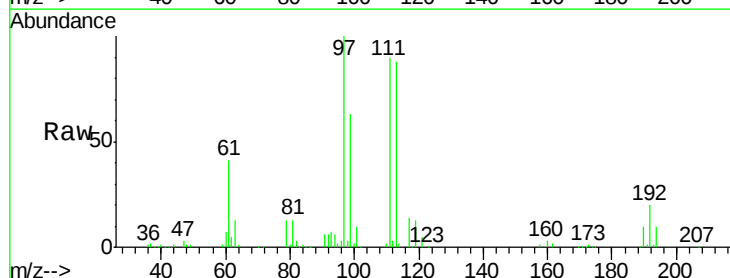
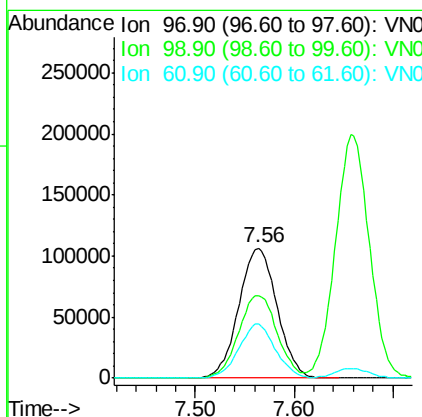
Manual Integrations  
APPROVED

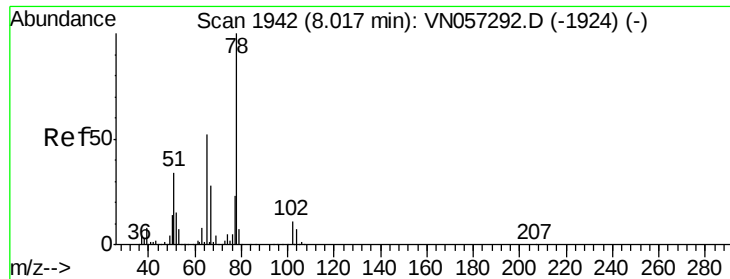
MMDadoda  
8/19/2019 1:53:22 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.678 ug/l  
RT: 7.56 min Scan# 1801  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 97      | 100  |       |       |       |
| 99      | 64.3 | 50.3  | 75.5  |       |
| 61      | 39.9 | 31.3  | 46.9  |       |





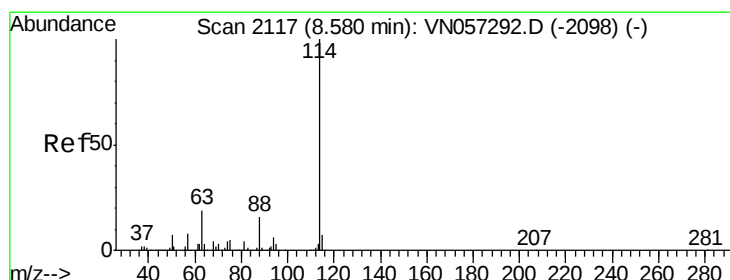
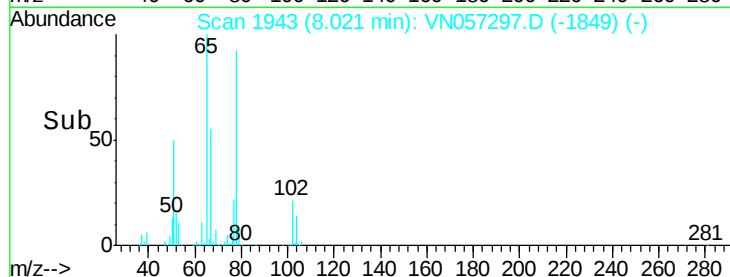
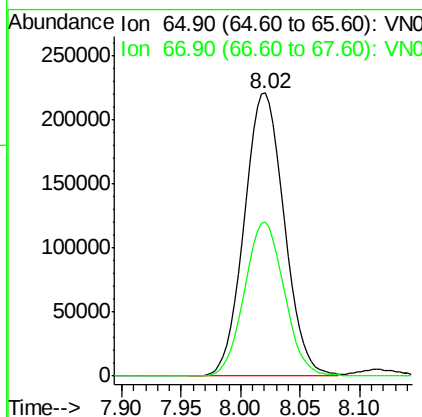
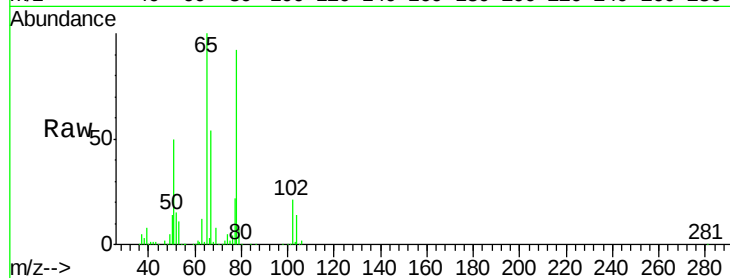
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.125 ug/l  
 RT: 8.02 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 54.2  | 0.0  | 107.4 |       |

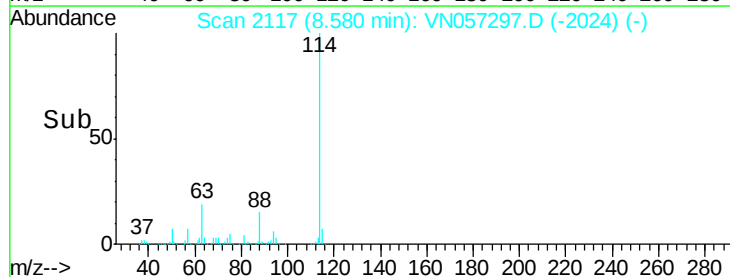
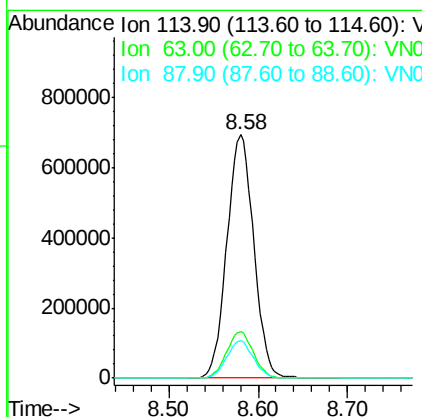
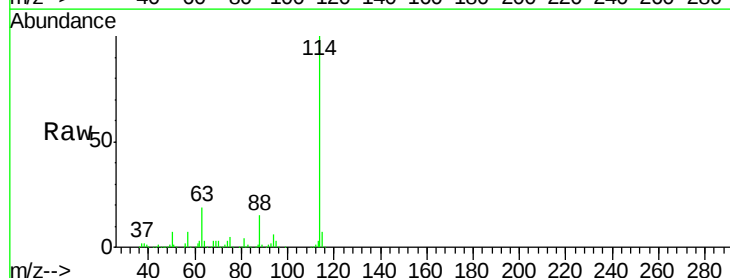
Manual Integrations  
 APPROVED

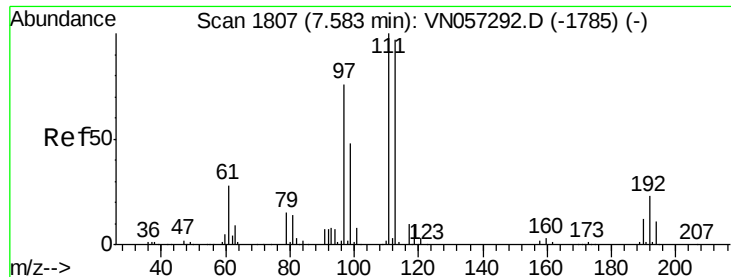
MMDadoda  
 8/19/2019 1:53:22 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2117  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 19.1  | 0.0  | 38.8  |       |
| 88      | 15.4  | 0.0  | 31.4  |       |





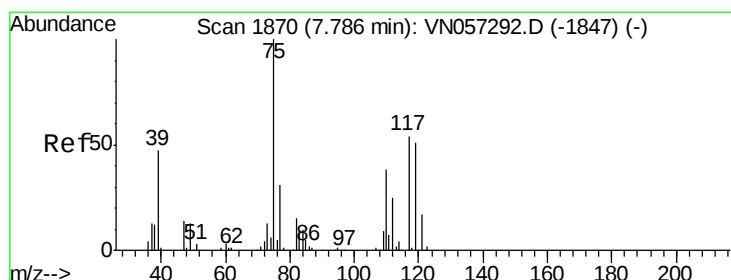
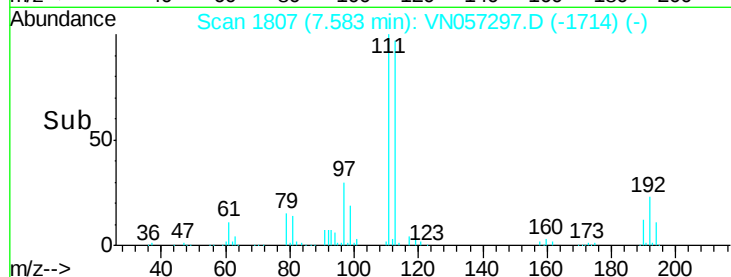
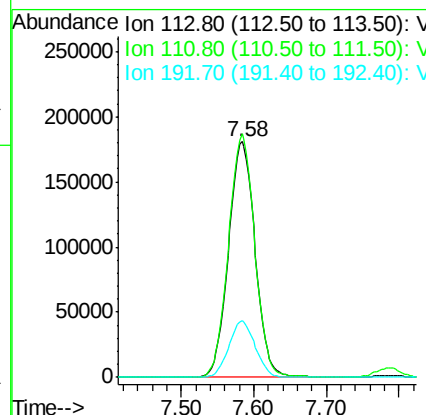
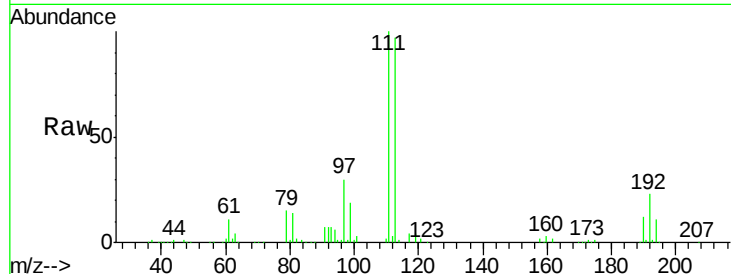
#35  
Dibromofluoromethane  
Concen: 48.624 ug/l  
RT: 7.58 min Scan# 1807  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 461461 |       |       |
| 111     | 101.5 | 82.1   | 123.1 |       |
| 192     | 23.7  | 19.3   | 28.9  |       |

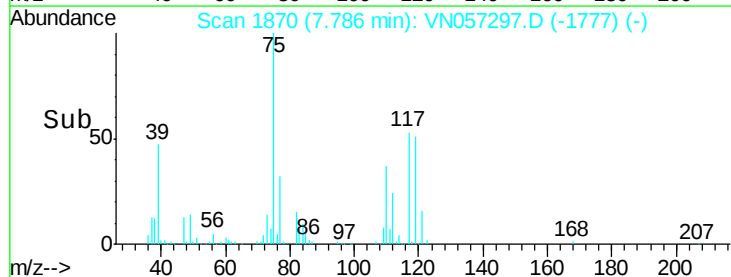
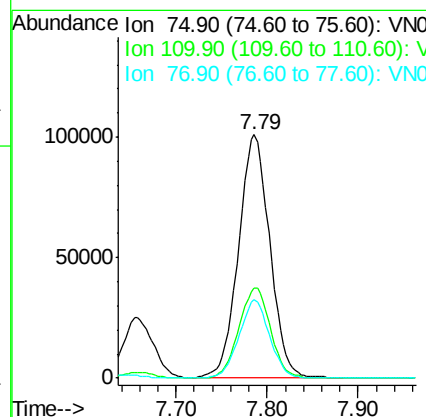
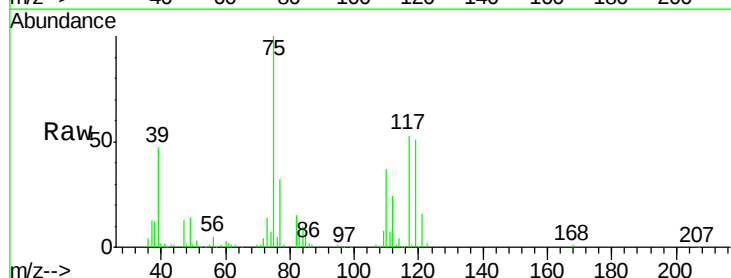
Manual Integrations  
APPROVED

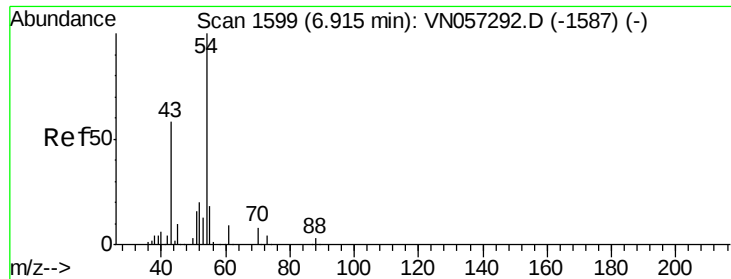
MMDadoda  
8/19/2019 1:53:22 AM



#36  
1,1-Dichloropropene  
Concen: 18.917 ug/l  
RT: 7.79 min Scan# 1870  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 241816 |       |       |
| 110     | 37.2  | 19.5   | 58.5  |       |
| 77      | 31.4  | 25.0   | 37.6  |       |





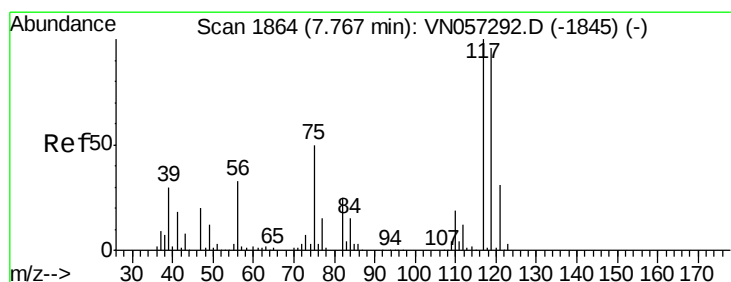
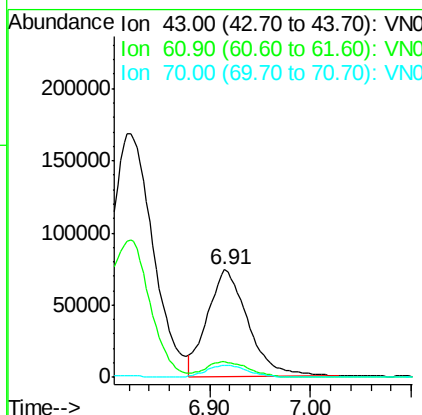
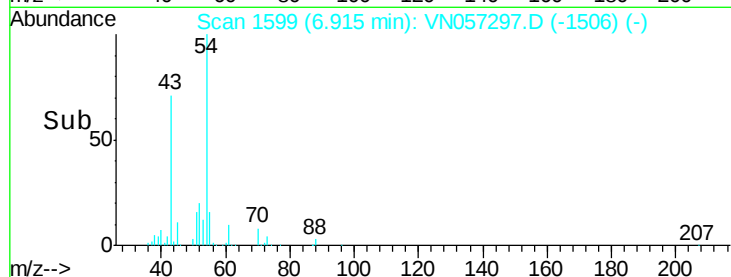
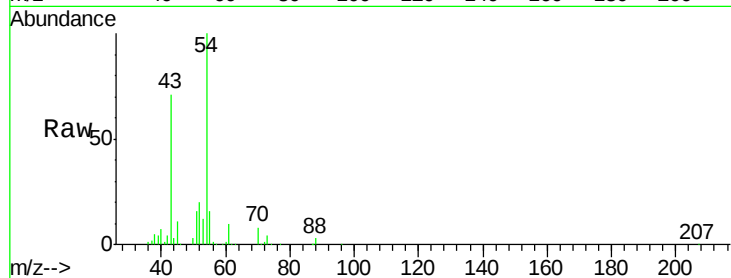
#37  
Ethyl Acetate  
Concen: 19.826 ug/l  
RT: 6.91 min Scan# 1599  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.2  | 12.0  | 18.0  |
| 70      | 10.9  | 9.2   | 13.8  |

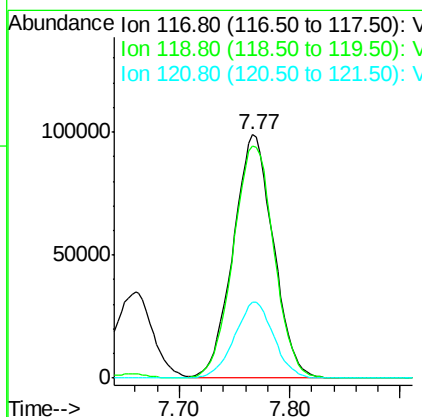
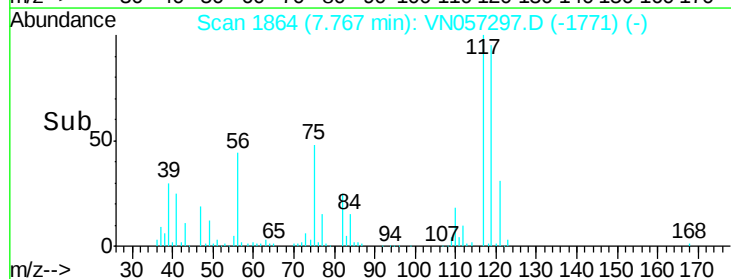
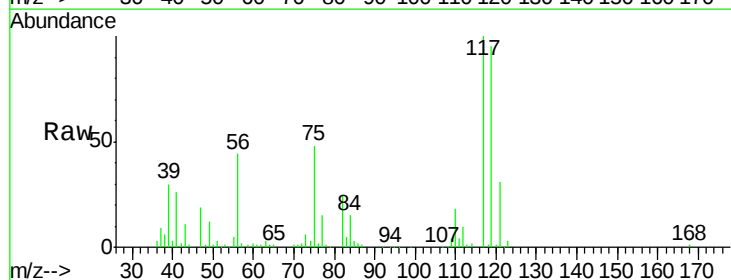
Manual Integrations  
APPROVED

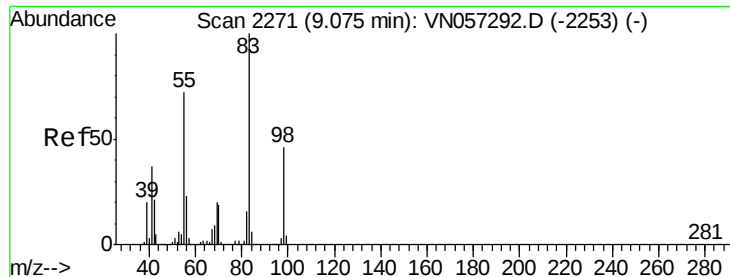
MMdadoda  
8/19/2019 1:53:22 AM



#38  
Carbon Tetrachloride  
Concen: 18.792 ug/l  
RT: 7.77 min Scan# 1864  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.2  | 76.8  | 115.2 |
| 121     | 31.3  | 25.0  | 37.4  |





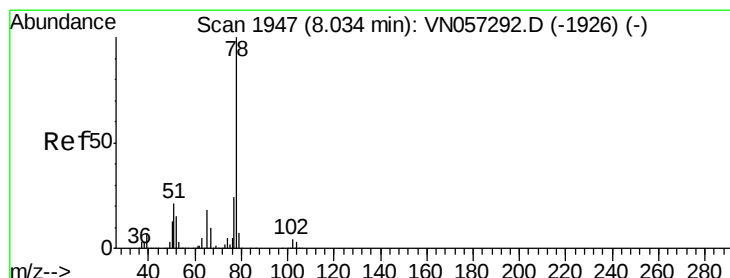
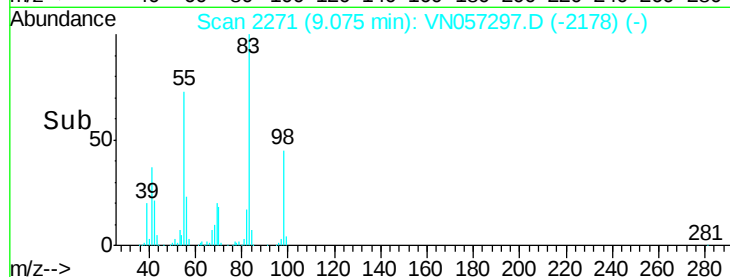
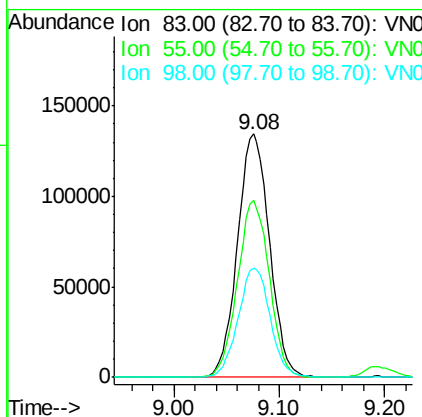
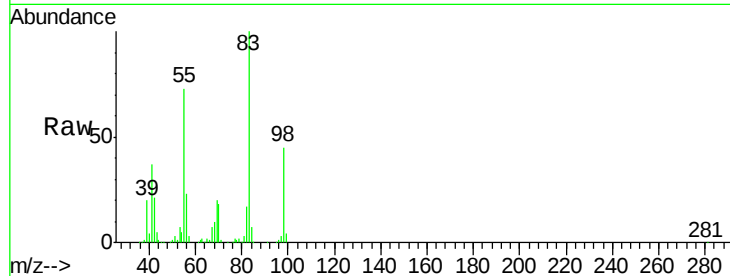
#39  
Methylvlcyclohexane  
Concen: 19.027 ug/l  
RT: 9.08 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 283999 |       |       |
| 55      | 72.5  |        | 57.5  | 86.3  |
| 98      | 44.7  |        | 36.6  | 55.0  |

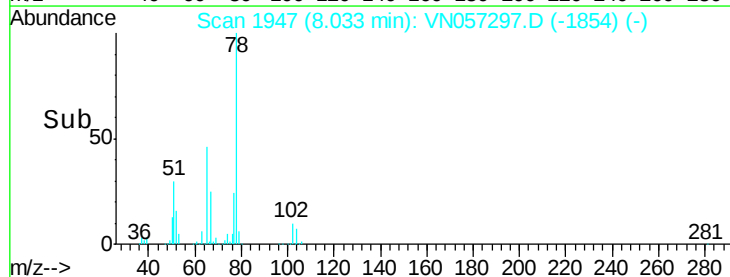
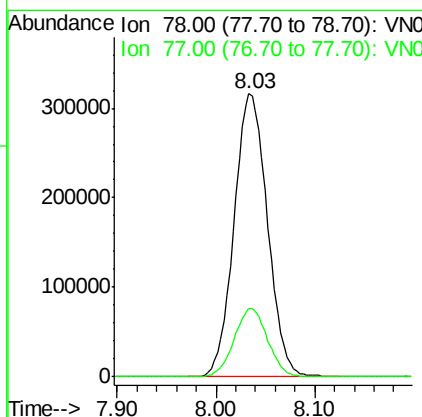
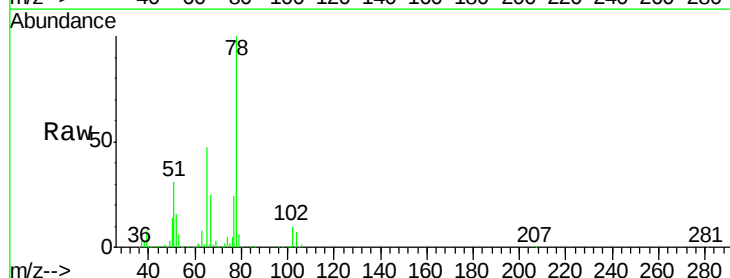
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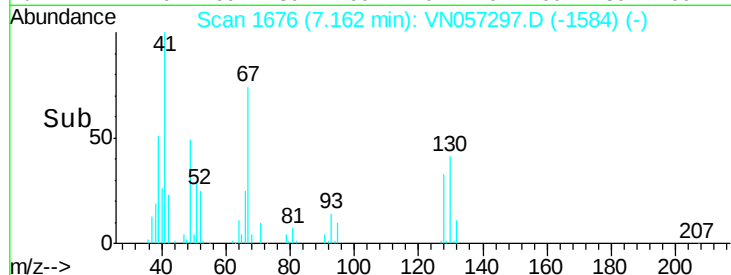
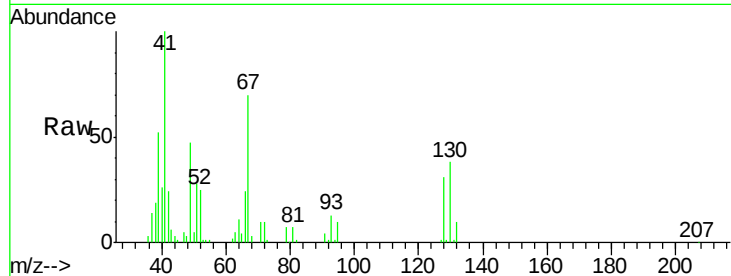
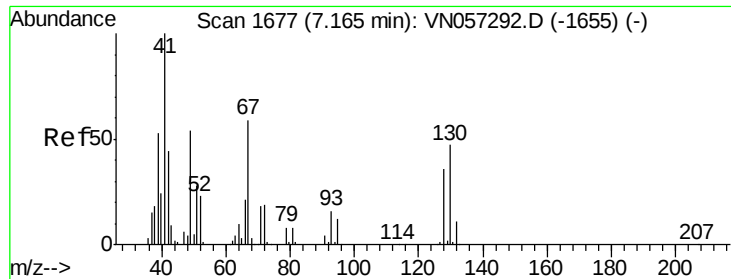
MMDadoda  
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#40  
Benzene  
Concen: 19.011 ug/l  
RT: 8.03 min Scan# 1947  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 743284 |       |       |
| 77      | 24.0  |        | 19.1  | 28.7  |





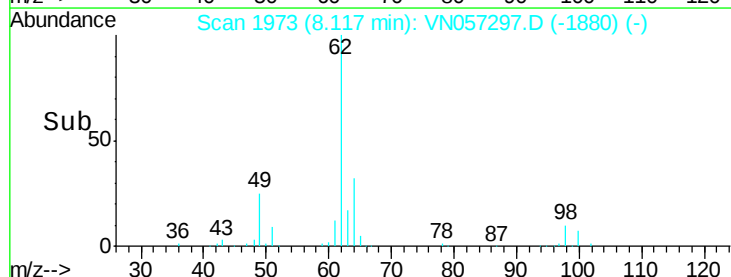
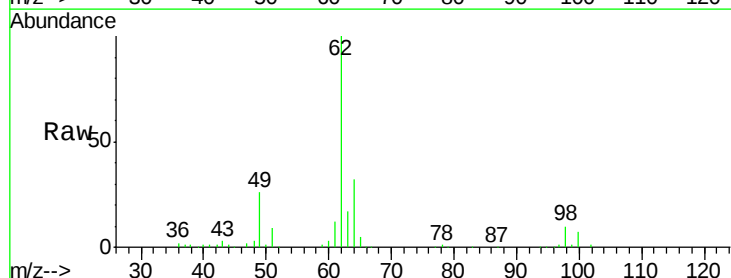
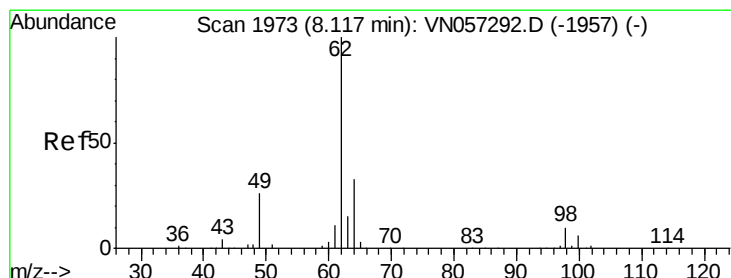
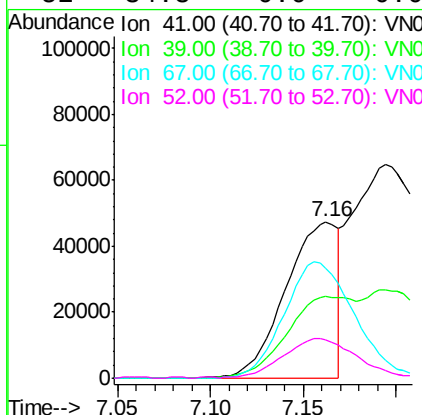
#41  
Methacrylonitrile  
Concen: 19.733 ug/l  
RT: 7.16 min Scan# 1676  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 41      | 100   |       |       |       |
| 39      | 66.3  | 0.0   | 0.0#  |       |
| 67      | 101.3 | 0.0   | 0.0#  |       |
| 52      | 34.8  | 0.0   | 0.0#  |       |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

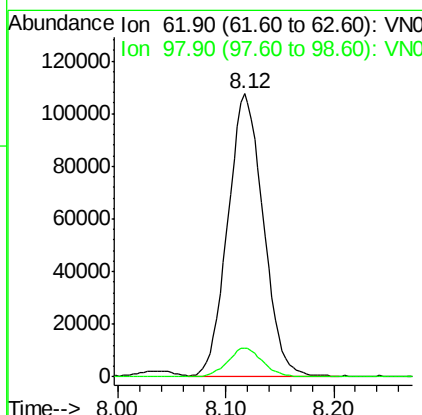
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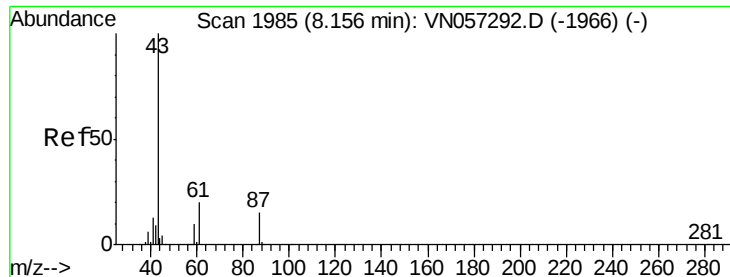
MMDadoda  
8/19/2019 1:53:22 AM



#42  
1,2-Dichloroethane  
Concen: 18.937 ug/l  
RT: 8.12 min Scan# 1973  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.2 | 0.0   | 19.4  |       |





#43

Isopropyl Acetate

Concen: 17.174 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

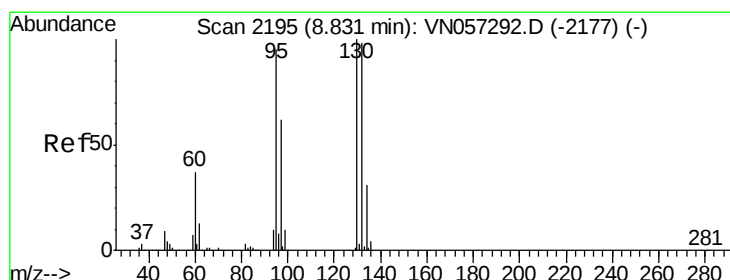
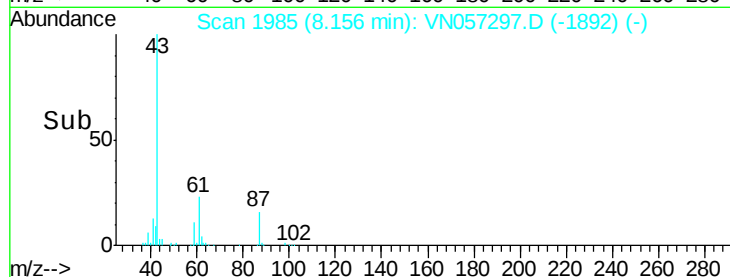
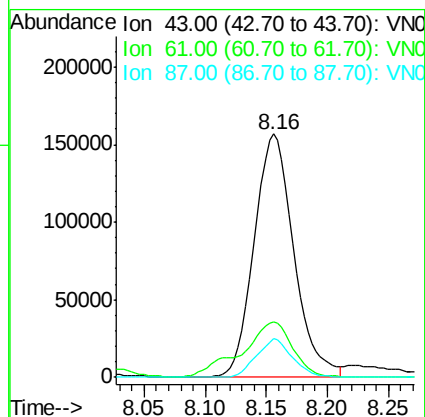
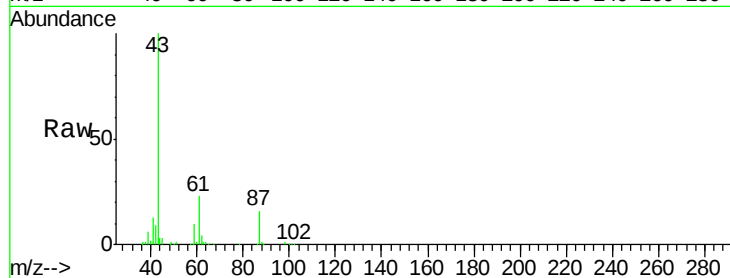
ClientSampleId :

VN0815WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 352534 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 29.3  | 21.6  | 32.4   |
| 87       | 14.5  | 11.4  | 17.0   |

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#44

Trichloroethene

Concen: 19.121 ug/l

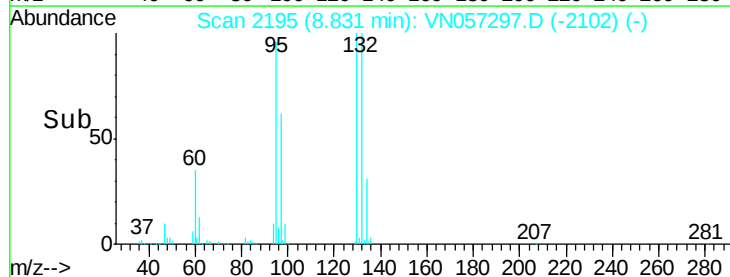
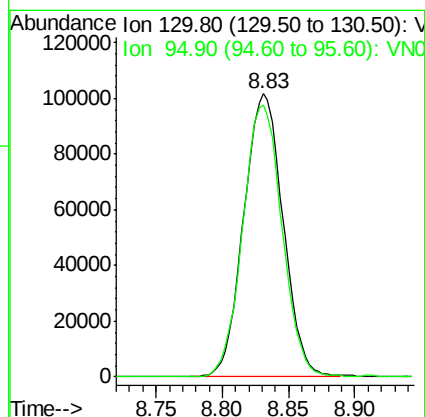
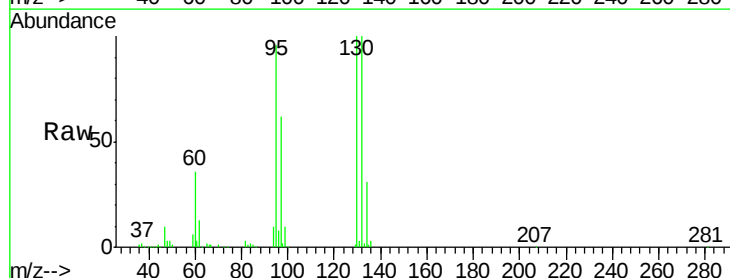
RT: 8.83 min Scan# 2195

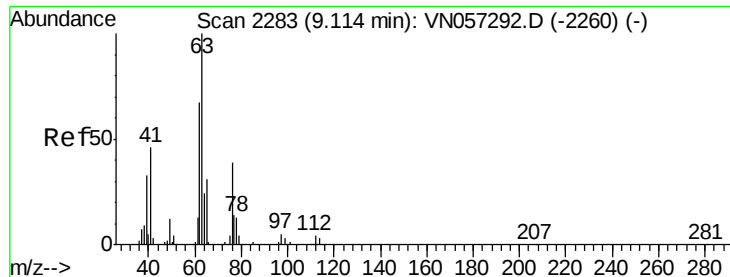
Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 210188 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.9  | 0.0   | 189.2  |





#45

1,2-Dichloropropane

Concen: 19.658 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 63 Resp: 198110

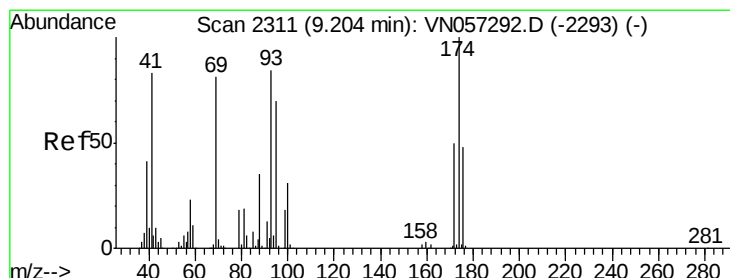
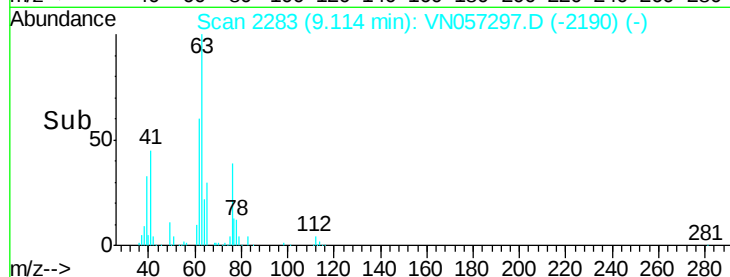
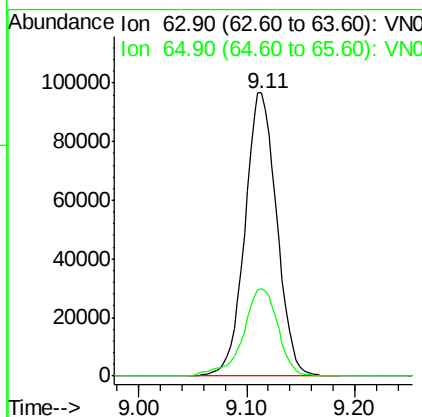
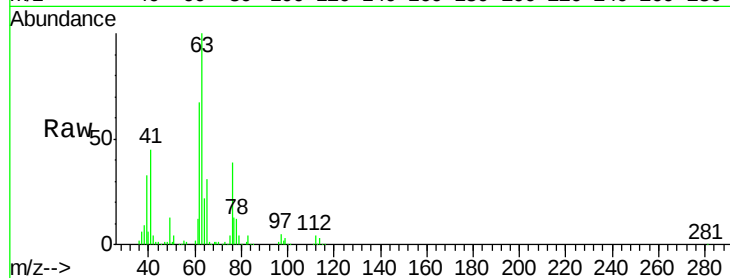
Ion Ratio Lower Upper

63 100

65 30.9 24.8 37.2

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#46

Dibromomethane

Concen: 18.894 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

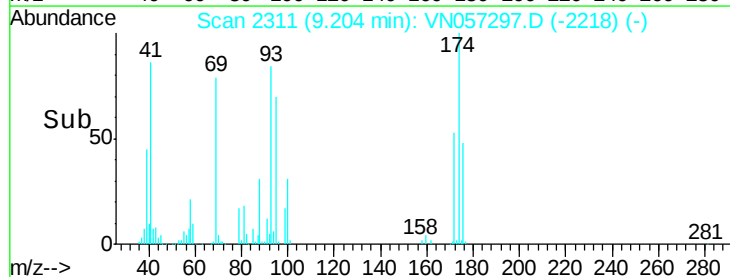
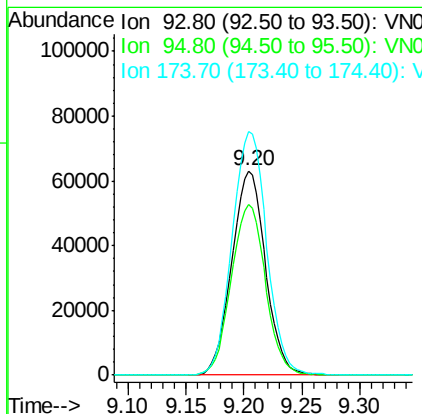
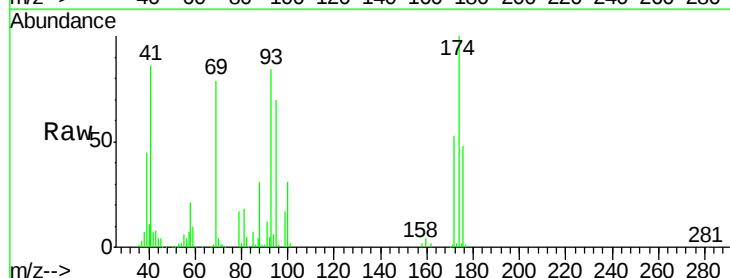
Tgt Ion: 93 Resp: 127032

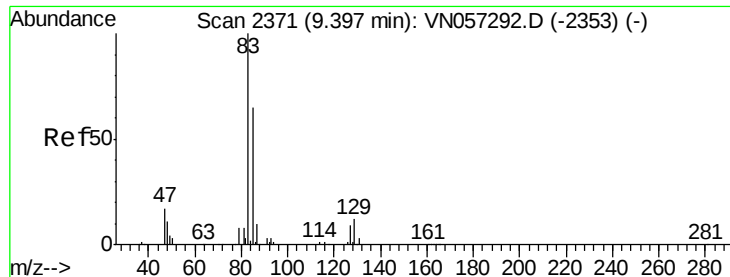
Ion Ratio Lower Upper

93 100

95 84.7 66.5 99.7

174 122.4 95.7 143.5





#47

Bromodichloromethane

Concen: 19.095 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

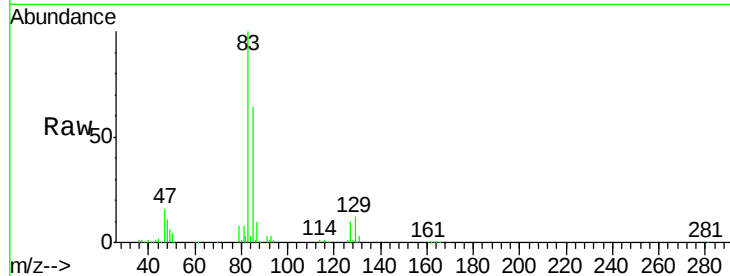
ClientSampleId :

VN0815WBS01

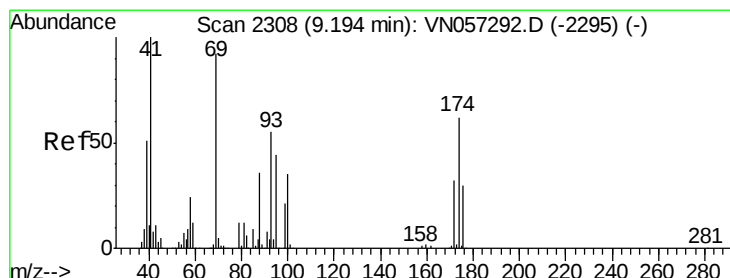
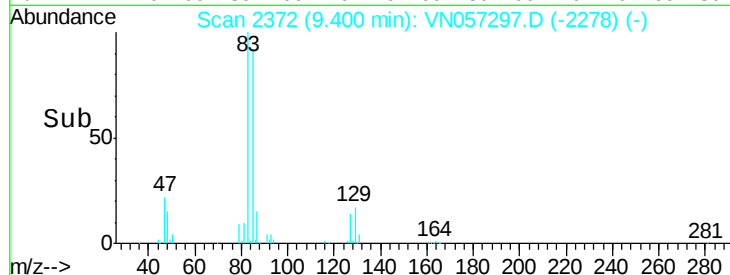
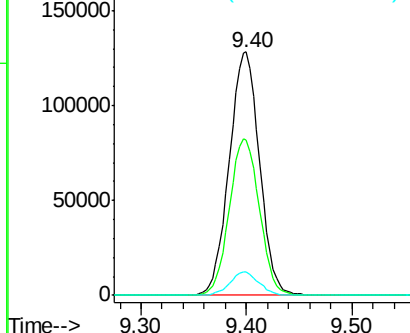
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 254369 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.6  | 51.9  | 77.9   |
| 127       | 9.5   | 7.2   | 10.8   |

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Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.765 ug/l

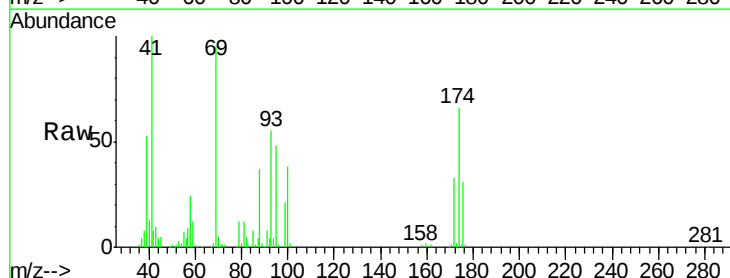
RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

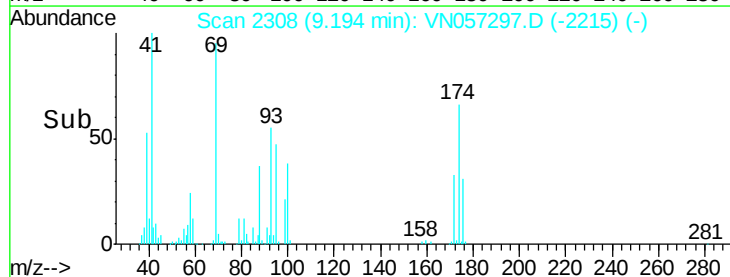
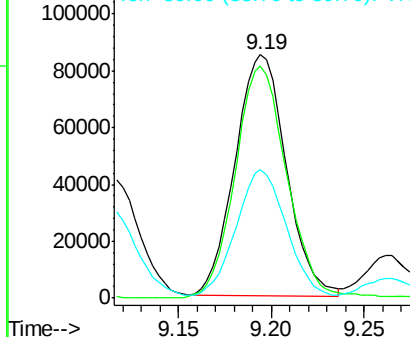
Lab File: VN057297.D

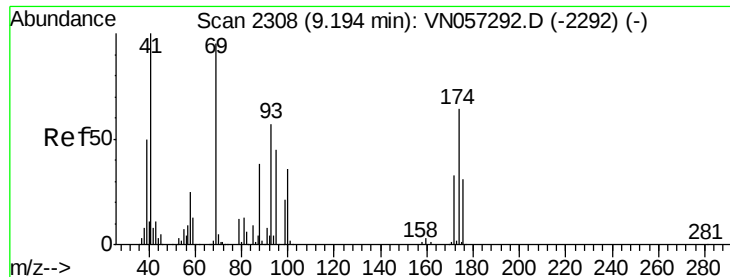
Acq: 14 Aug 2019 19:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 161784 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 97.8  | 75.9  | 113.9  |
| 39        | 52.8  | 42.3  | 63.5   |



Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0





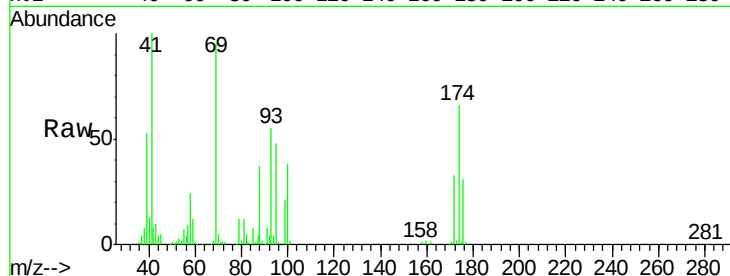
#49  
1,4-Dioxane  
Concen: 367.081 ug/l  
RT: 9.19 min Scan# 2308  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 26.8  | 22.9  | 34.3  |
| 58      | 66.6  | 52.7  | 79.1  |

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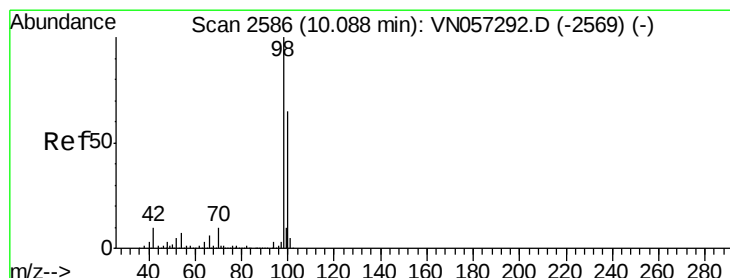
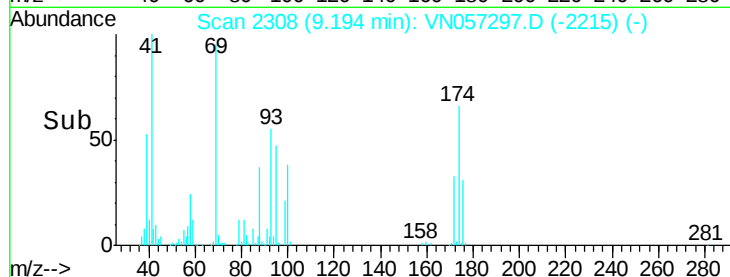
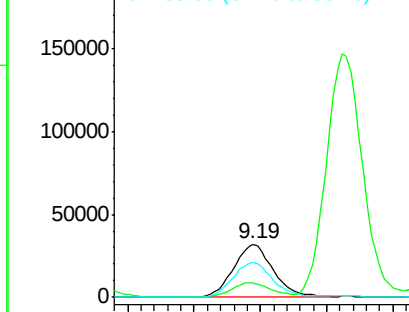


Abundance

Ion 88.00 (87.70 to 88.70): VN0

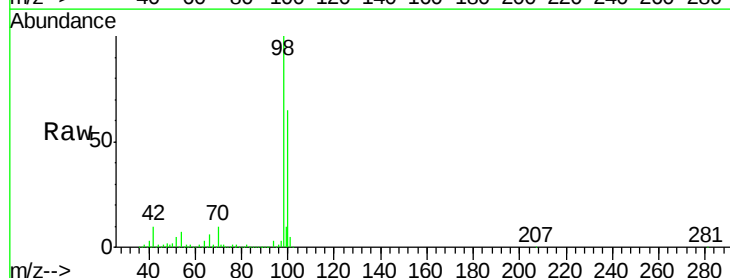
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50  
Toluene-d8  
Concen: 50.019 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

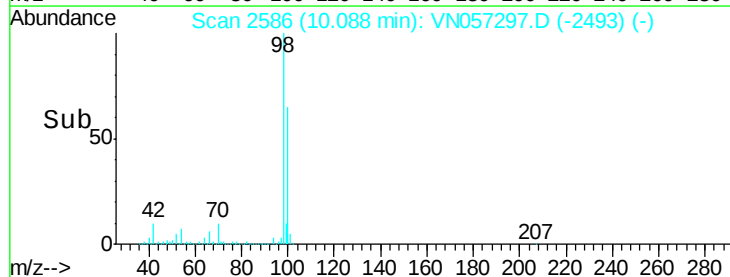
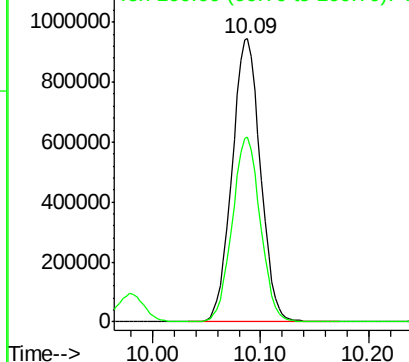
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.7  | 51.9  | 77.9  |

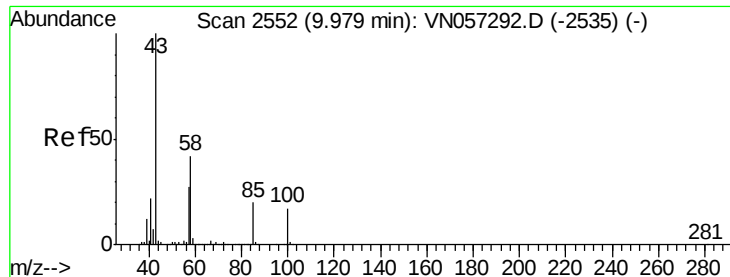


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





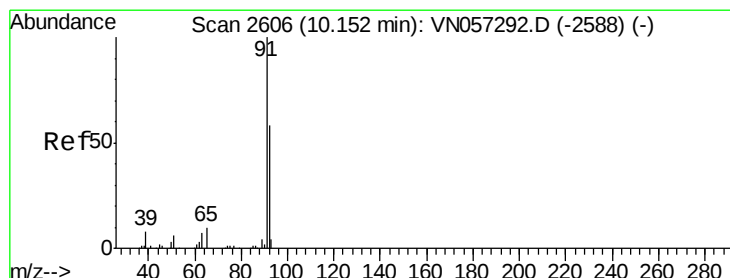
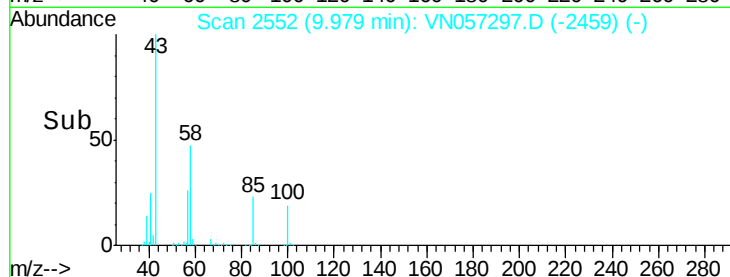
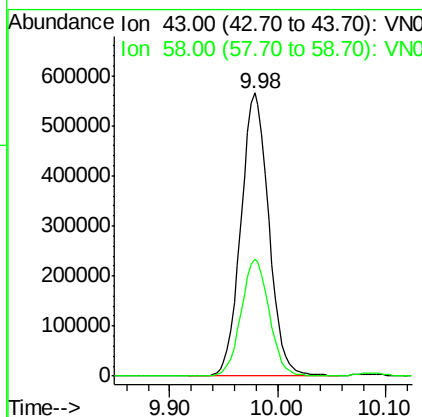
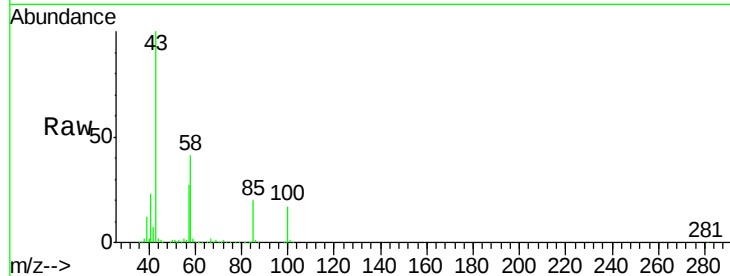
#51  
 4-Methyl-2-Pentanone  
 Concen: 93.997 ug/l  
 RT: 9.98 min Scan# 2552  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

Tot Ion: 43 Resp: 1015273  
 Ion Ratio Lower Upper  
 43 100  
 58 41.7 33.2 49.8

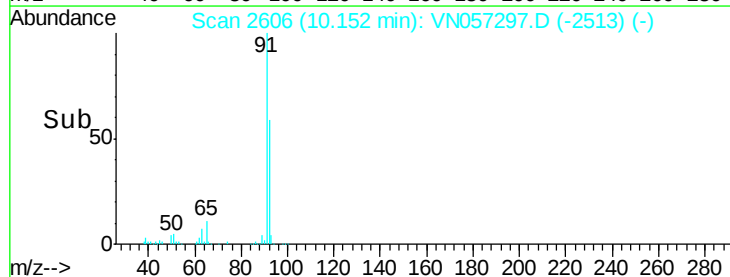
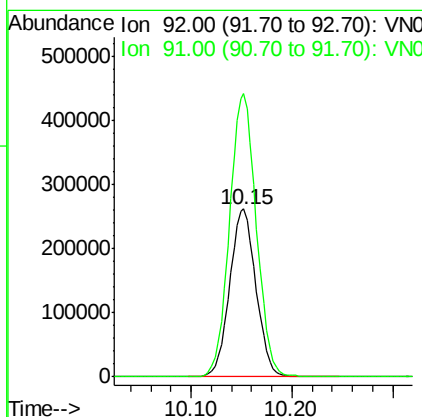
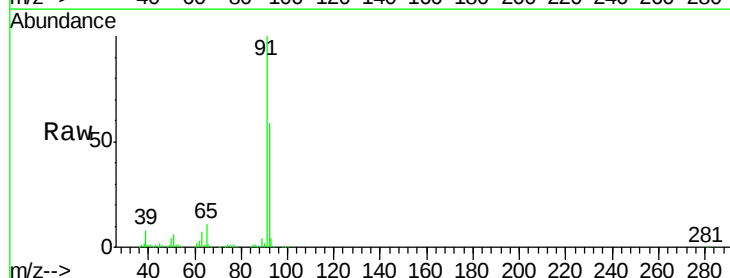
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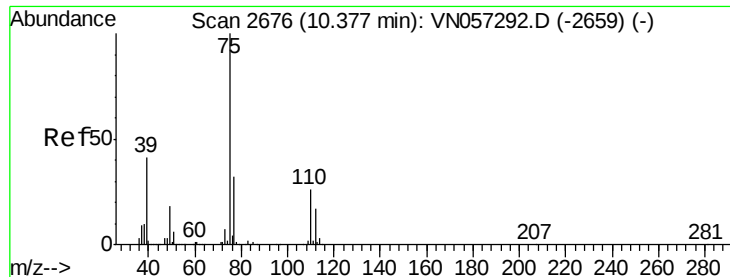
MMdadoda  
 8/19/2019 1:53:22 AM



#52  
 Toluene  
 Concen: 19.570 ug/l  
 RT: 10.15 min Scan# 2606  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

Tgt Ion: 92 Resp: 476242  
 Ion Ratio Lower Upper  
 92 100  
 91 171.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 18.426 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 75 Resp: 265494

Ion Ratio Lower Upper

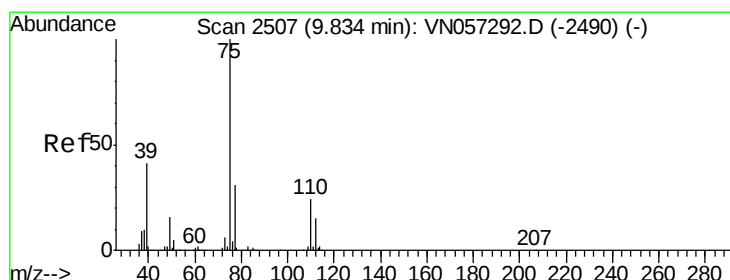
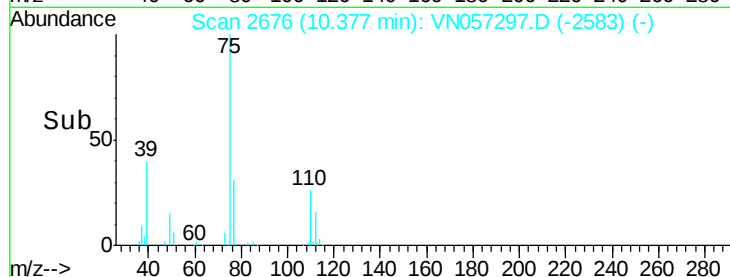
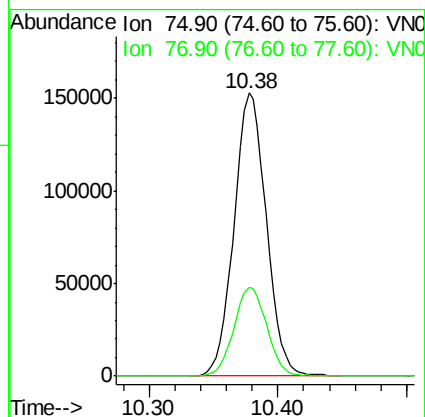
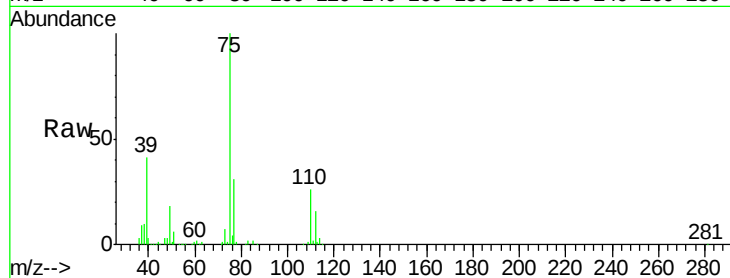
75 100

77 31.4 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 19.098 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

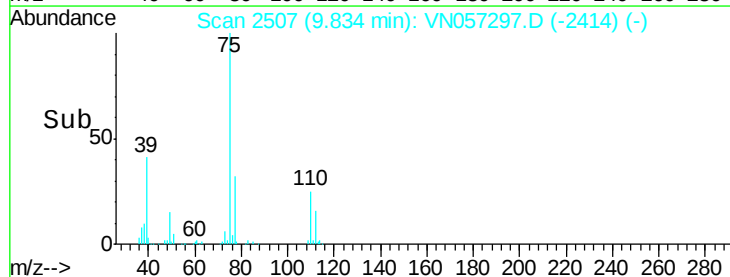
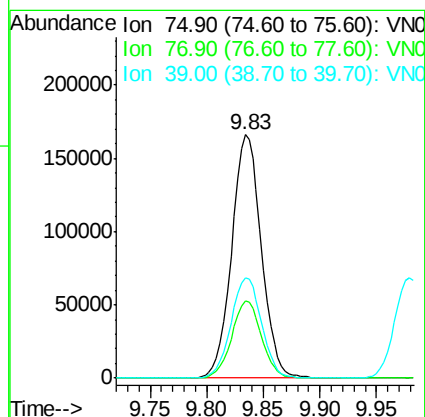
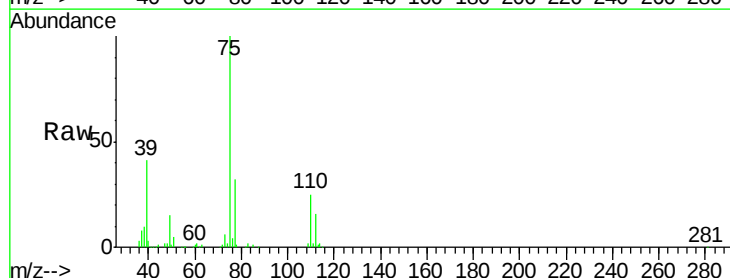
Tgt Ion: 75 Resp: 303444

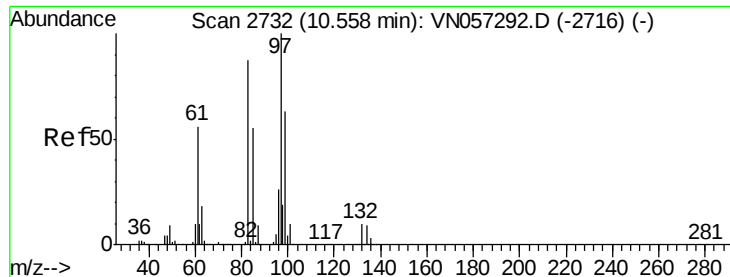
Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3

39 41.3 32.7 49.1





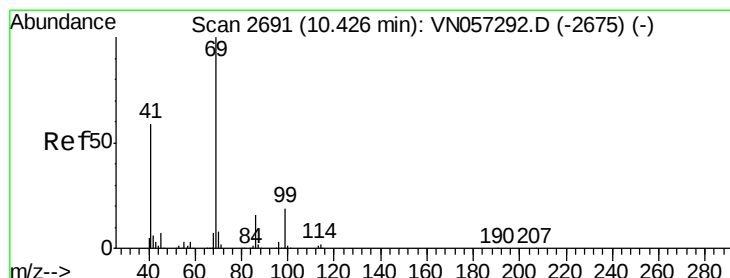
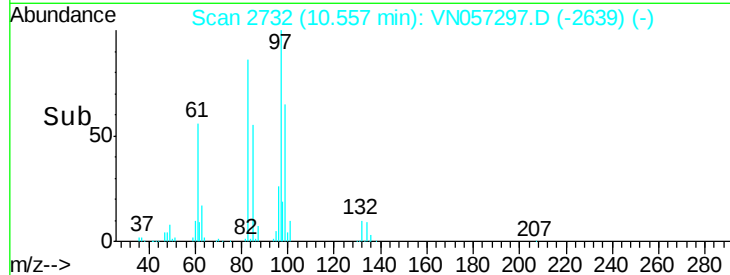
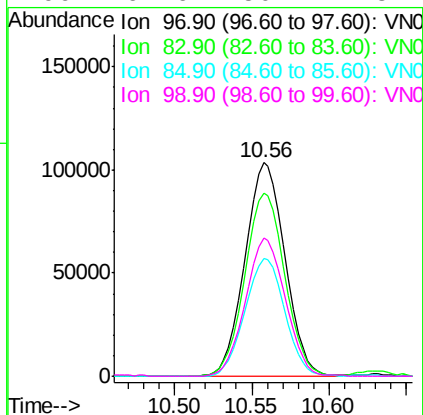
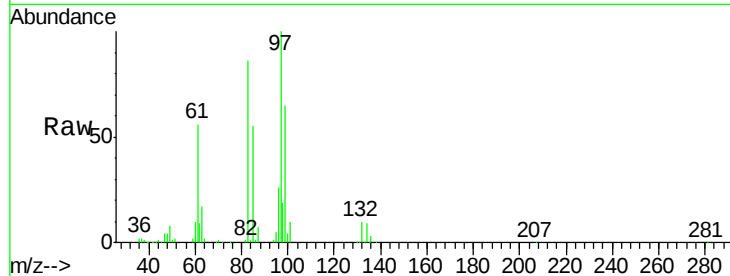
#55  
 1,1,2-Trichloroethane  
 Concen: 19.478 ug/l  
 RT: 10.56 min Scan# 2732  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 186395 |       |       |
| 83      | 85.8 | 69.8  | 104.8  |       |       |
| 85      | 55.2 | 44.1  | 66.1   |       |       |
| 99      | 64.6 | 50.2  | 75.2   |       |       |

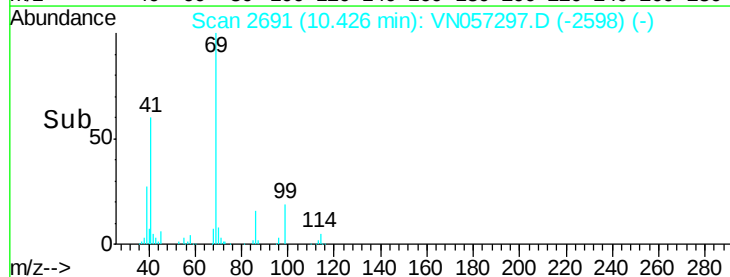
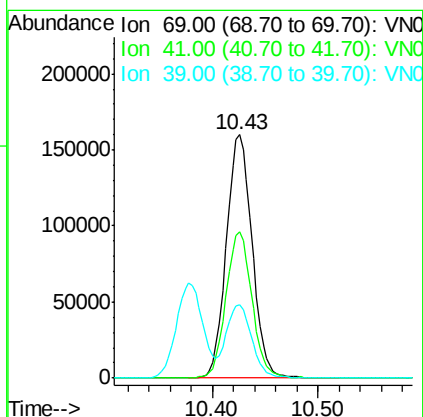
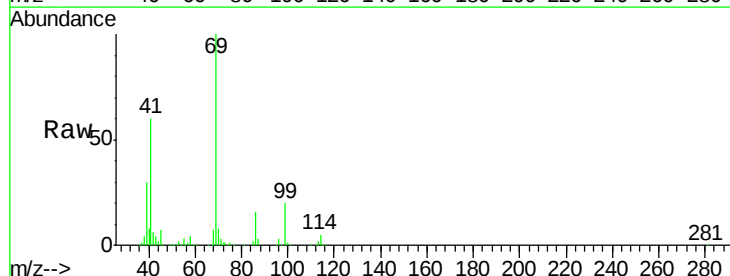
Manual Integrations  
 APPROVED

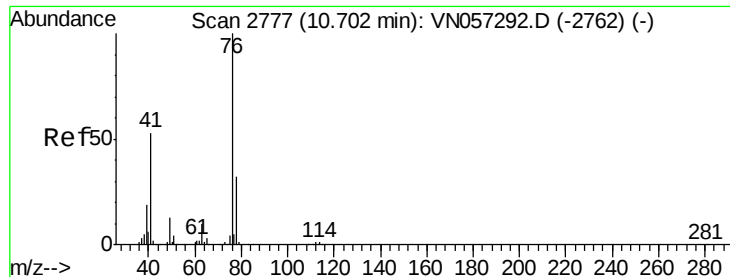
MMdadoda  
 8/19/2019 1:53:22 AM



#56  
 Ethyl methacrylate  
 Concen: 19.384 ug/l  
 RT: 10.43 min Scan# 2691  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 270697 |       |       |
| 41      | 59.5 | 48.2  | 72.2   |       |       |
| 39      | 30.3 | 23.4  | 35.0   |       |       |





#57

1,3-Dichloropropane

Concen: 19.185 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 76 Resp: 306691

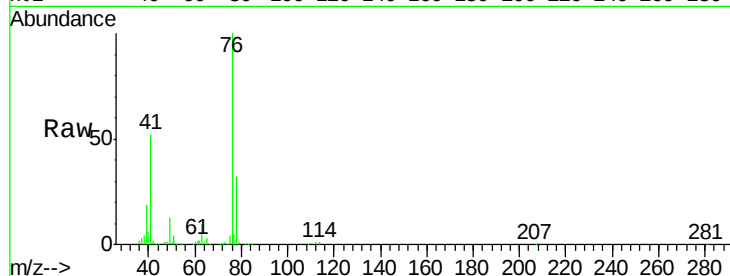
Ion Ratio Lower Upper

76 100

78 32.6 25.6 38.4

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:53:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

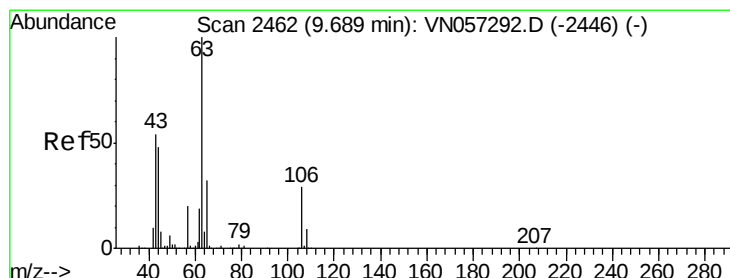
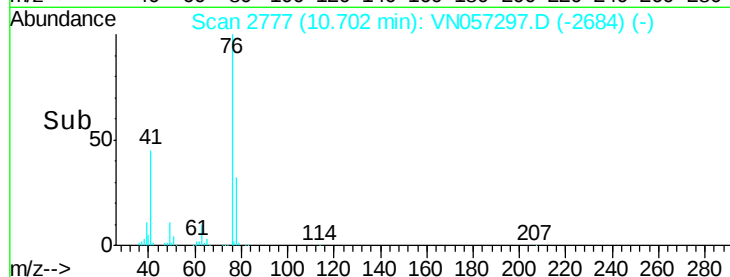
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 83.080 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057297.D

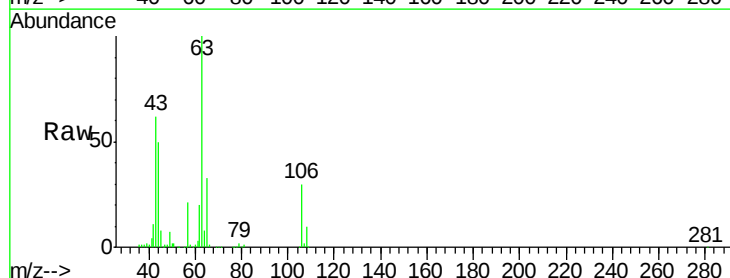
Acq: 14 Aug 2019 19:53

Tgt Ion: 63 Resp: 294829

Ion Ratio Lower Upper

63 100

106 28.8 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

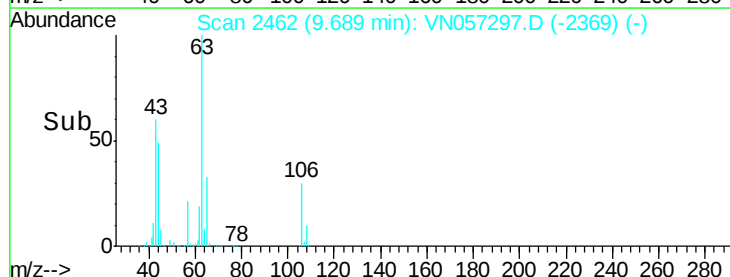
150000

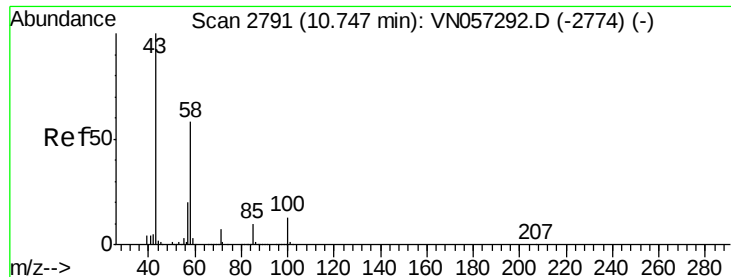
100000

50000

0

Time--> 9.60 9.70 9.80





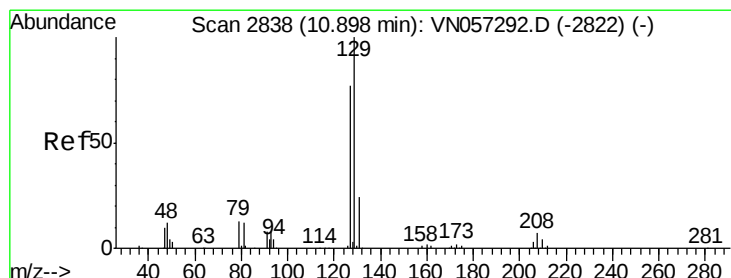
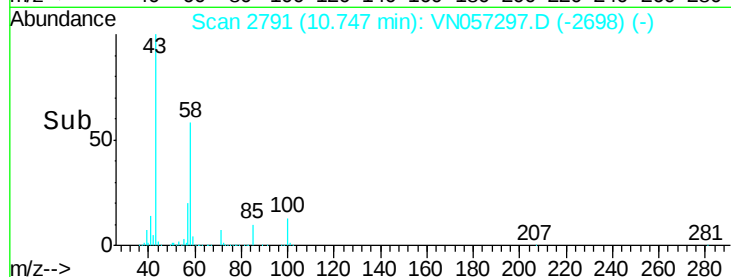
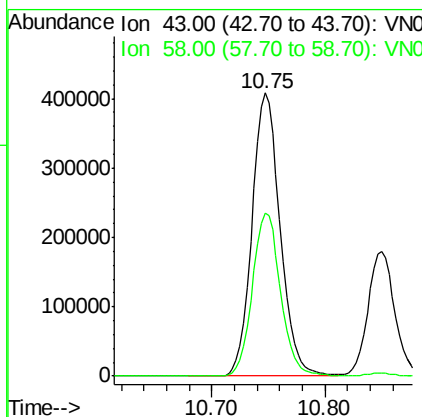
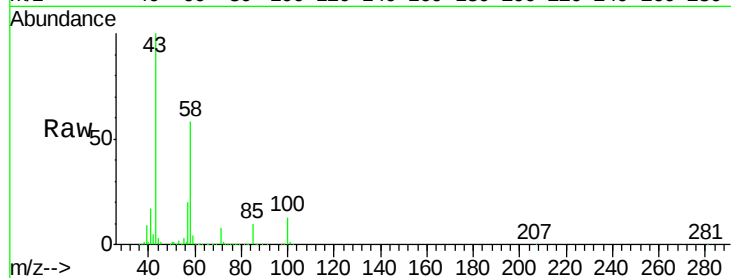
#59  
2-Hexanone  
Concen: 90.657 ug/l  
RT: 10.75 min Scan# 2791  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 57.8  | 28.6  | 85.9  |

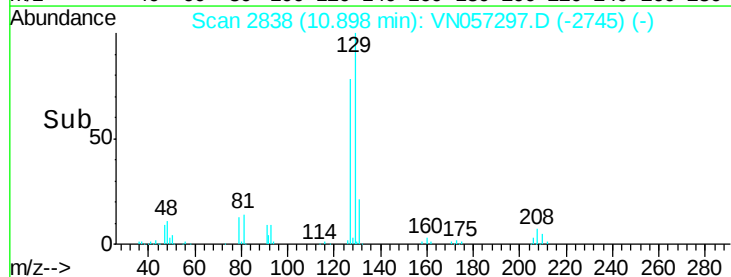
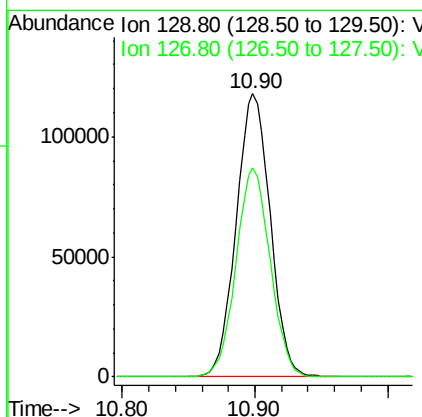
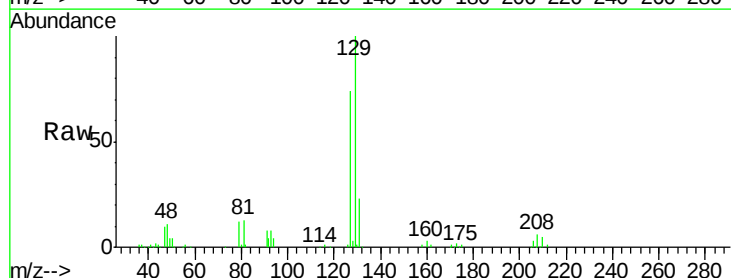
Manual Integrations  
APPROVED

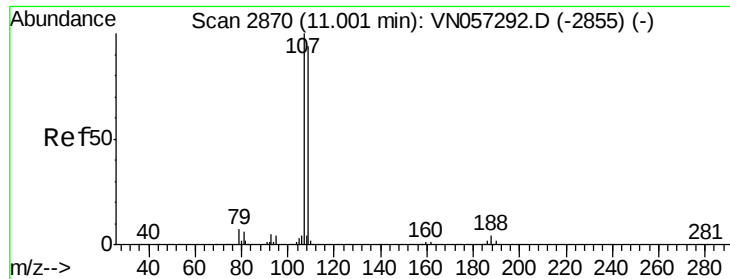
MMdadoda  
8/19/2019 1:53:22 AM



#60  
Dibromochloromethane  
Concen: 19.577 ug/l  
RT: 10.90 min Scan# 2838  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 74.3  | 39.0  | 116.9 |





#61

1,2-Dibromoethane

Concen: 19.208 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 107 Resp: 195804

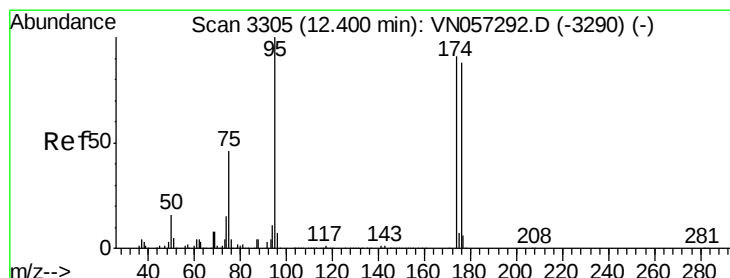
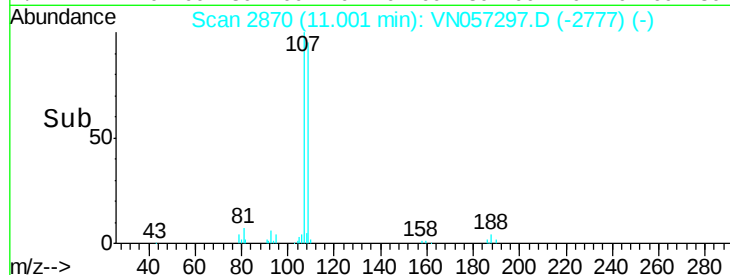
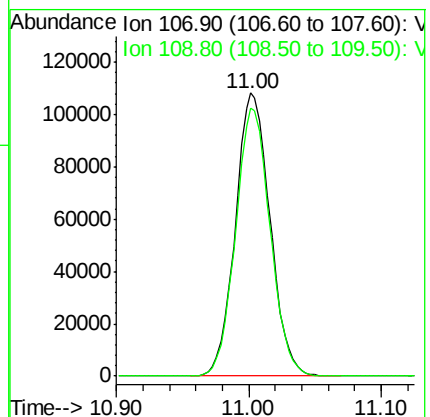
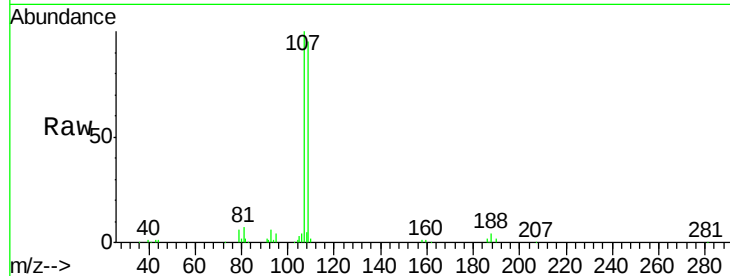
Ion Ratio Lower Upper

107 100

109 94.7 75.7 113.5

Manual Integrations  
APPROVED

MMdadoda  
8/19/2019 1:53:22 AM



#62

4-Bromofluorobenzene

Concen: 44.613 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

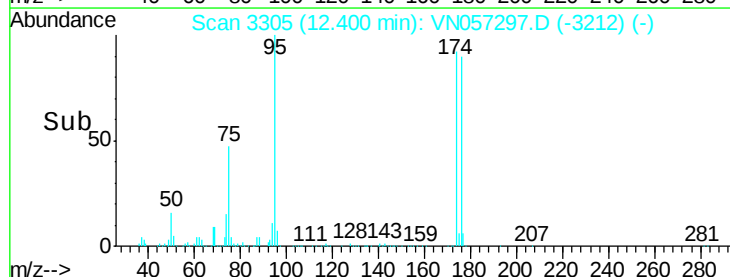
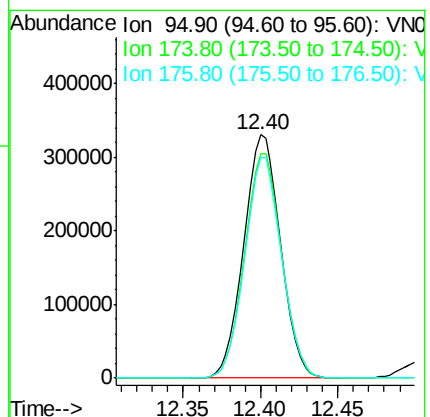
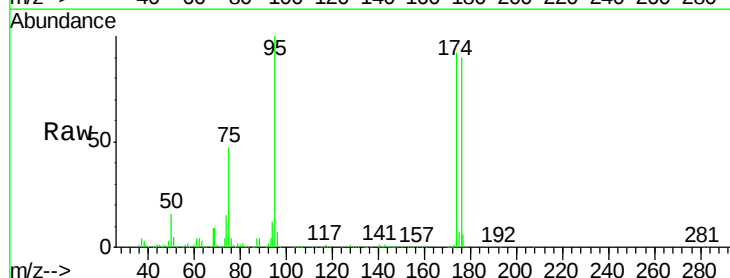
Tgt Ion: 95 Resp: 547266

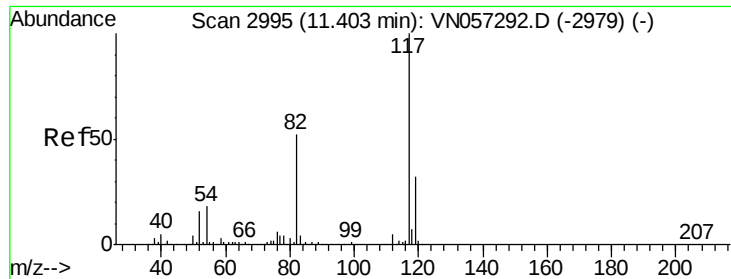
Ion Ratio Lower Upper

95 100

174 93.2 0.0 185.0

176 90.8 0.0 181.0





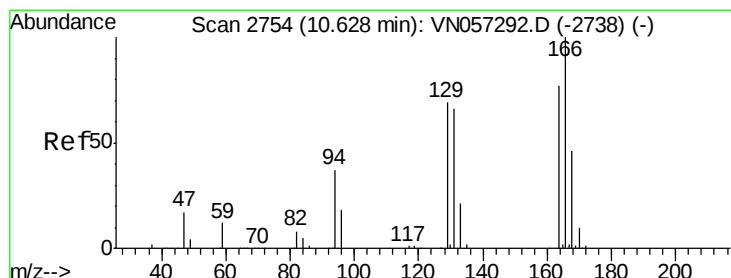
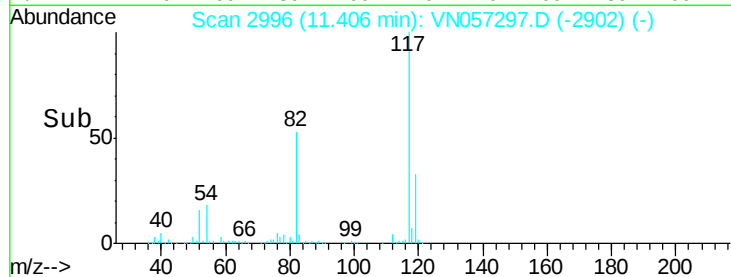
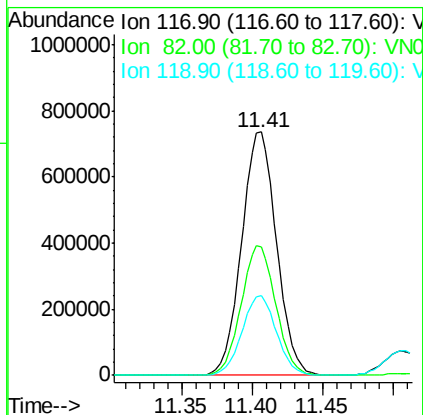
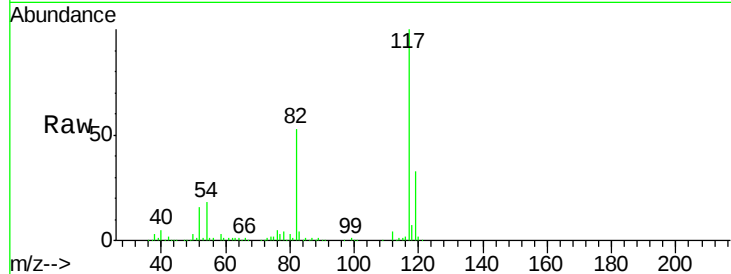
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.8  | 41.2  | 61.8  |
| 119     | 32.5  | 25.8  | 38.8  |

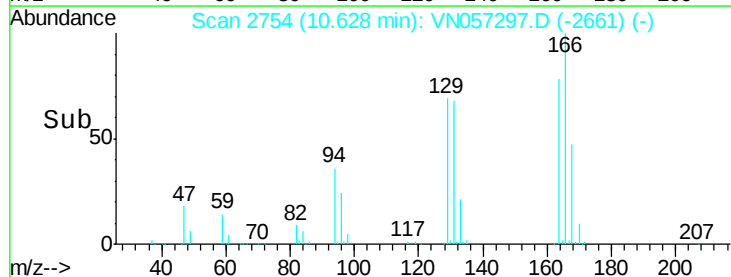
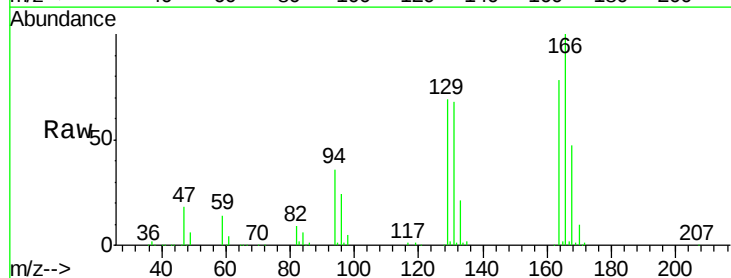
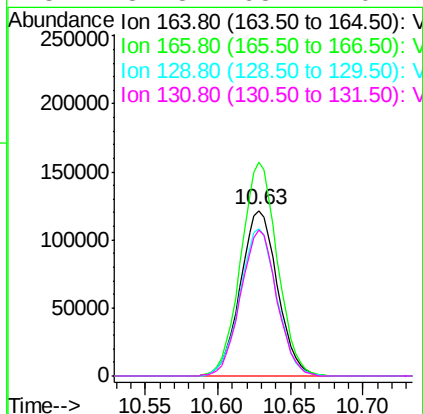
Manual Integrations  
APPROVED

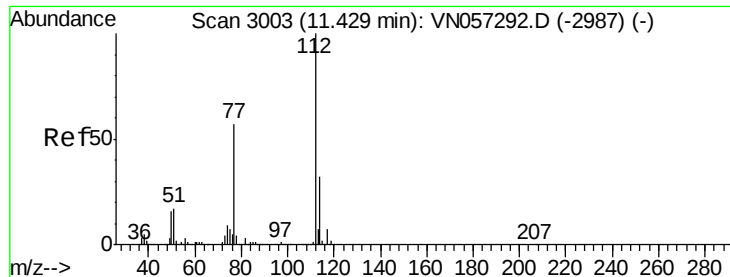
MMDadoda  
8/19/2019 1:53:22 AM



#64  
Tetrachloroethene  
Concen: 19.573 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.8 | 103.5 | 155.3 |
| 129     | 88.8  | 71.2  | 106.8 |
| 131     | 87.8  | 68.2  | 102.4 |





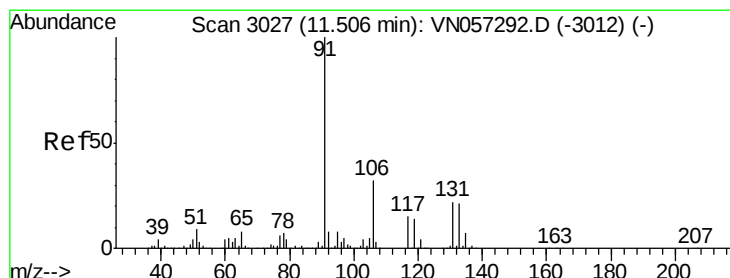
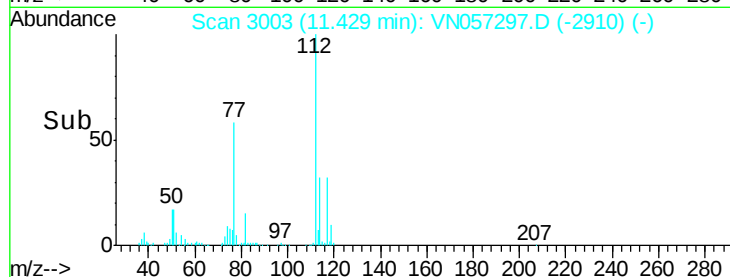
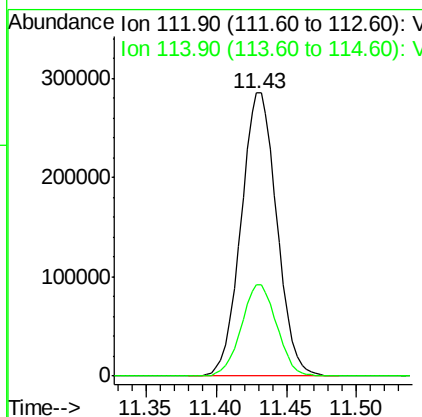
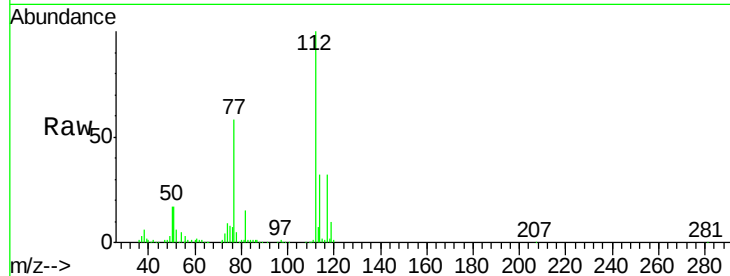
#65  
Chlorobenzene  
Concen: 19.469 ug/l  
RT: 11.43 min Scan# 3003  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.2  | 25.7  | 38.5  |

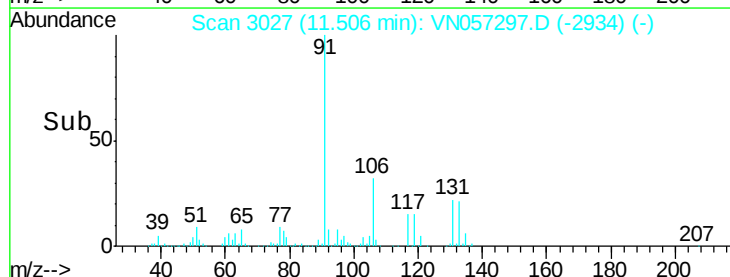
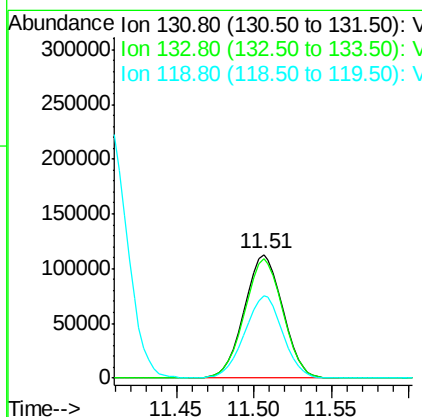
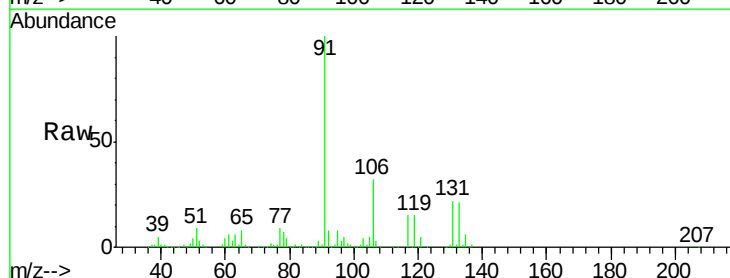
Manual Integrations  
APPROVED

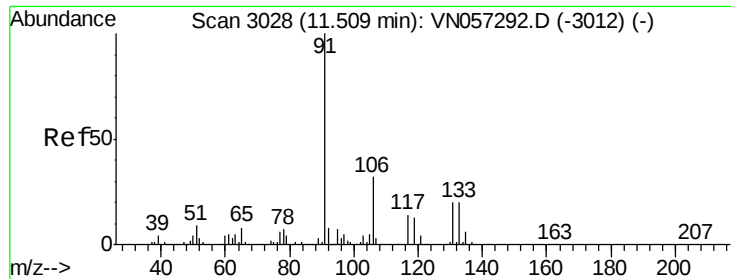
MMdadoda  
8/19/2019 1:53:22 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.636 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.1  | 47.6  | 142.8 |
| 119     | 66.0  | 32.0  | 96.2  |





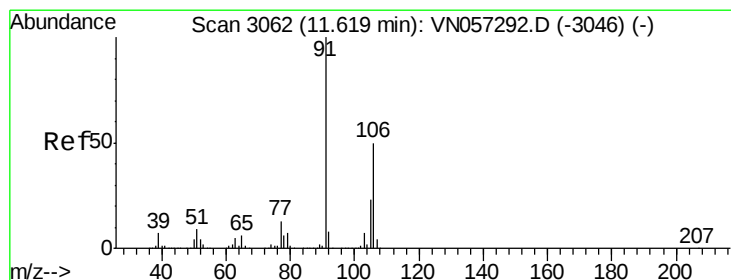
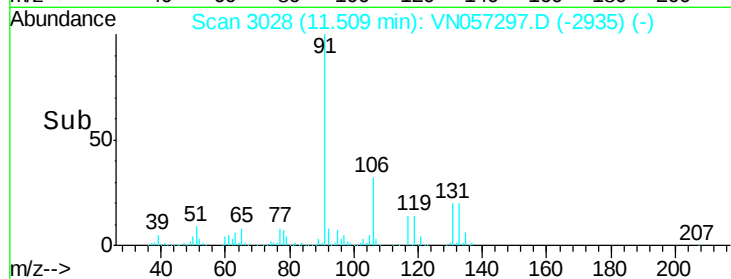
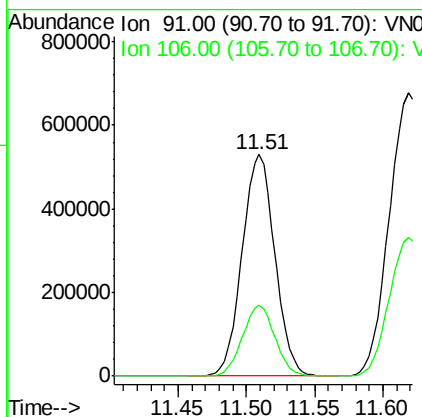
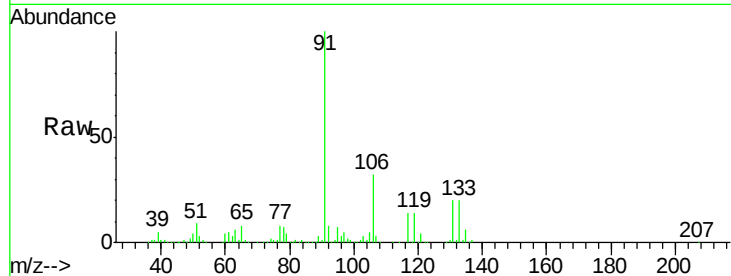
#67  
Ethyl Benzene  
Concen: 19.398 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 32.0  | 25.5  | 38.3  |

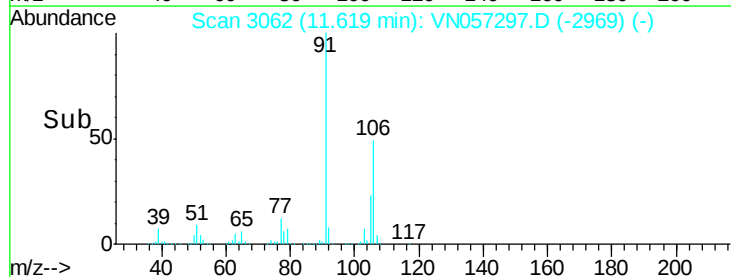
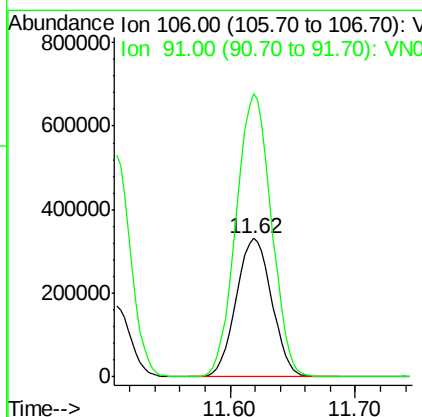
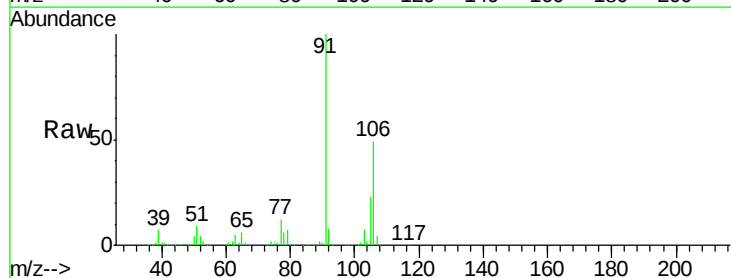
Manual Integrations  
APPROVED

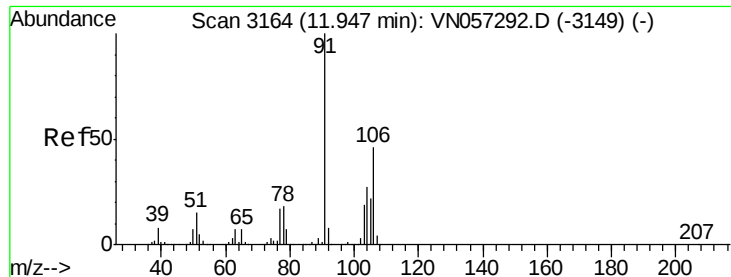
MMDadoda  
8/19/2019 1:53:22 AM



#68  
m/p-Xylenes  
Concen: 38.991 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 202.3 | 161.5 | 242.3 |





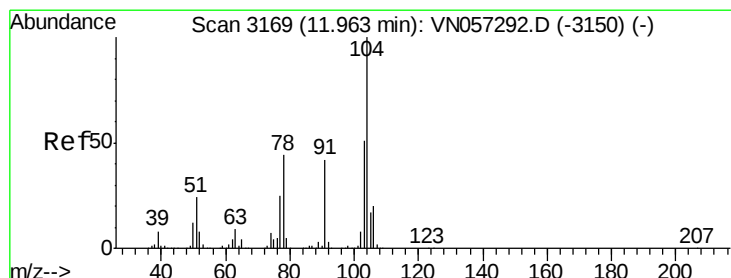
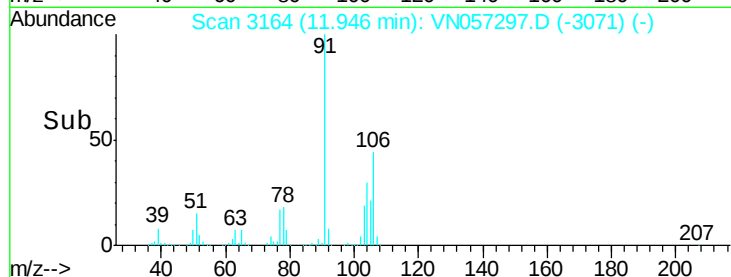
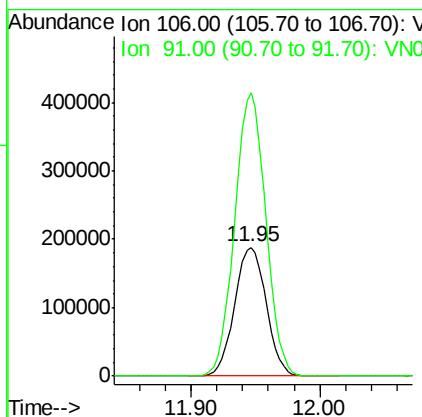
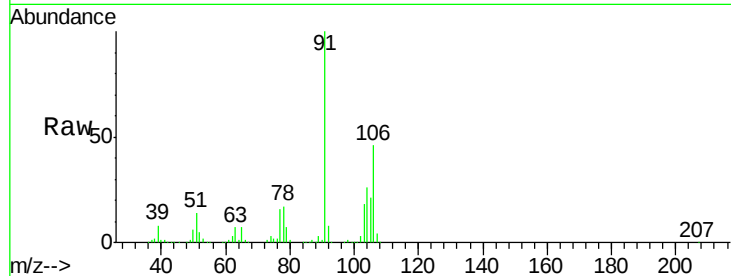
#69  
o-Xylene  
Concen: 19.510 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 215.6 | 106.3 | 319.0 |

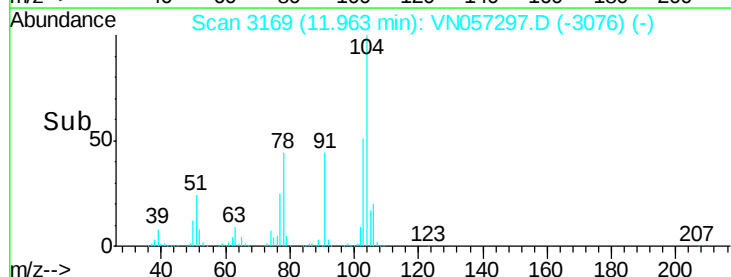
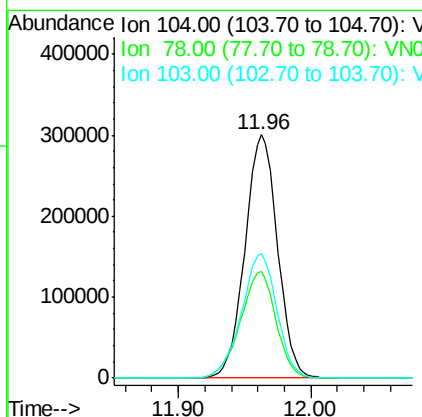
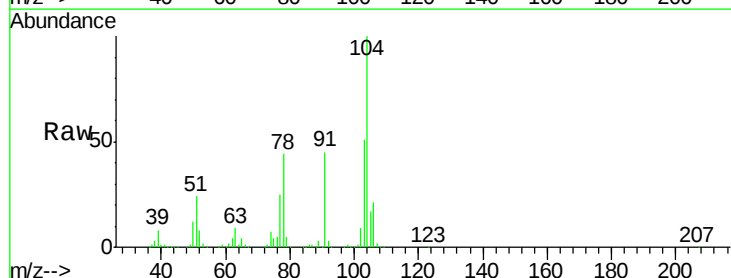
Manual Integrations  
APPROVED

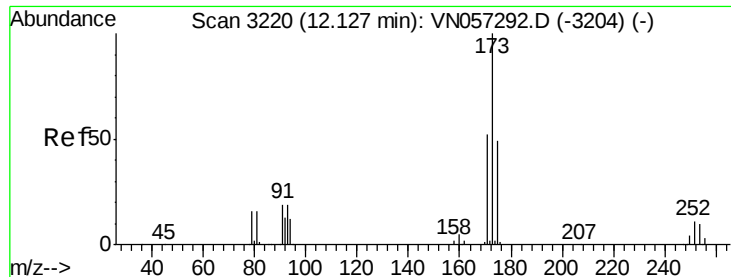
MMdadoda  
8/19/2019 1:53:22 AM



#70  
Styrene  
Concen: 19.498 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 47.9  | 39.2  | 58.8  |
| 103     | 55.5  | 44.6  | 66.8  |





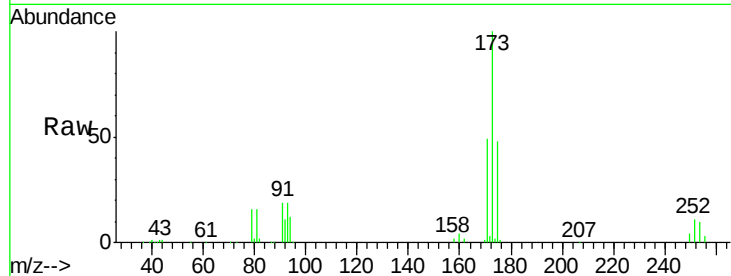
#71  
Bromoform  
Concen: 19.093 ug/l  
RT: 12.12 min Scan# 3219  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

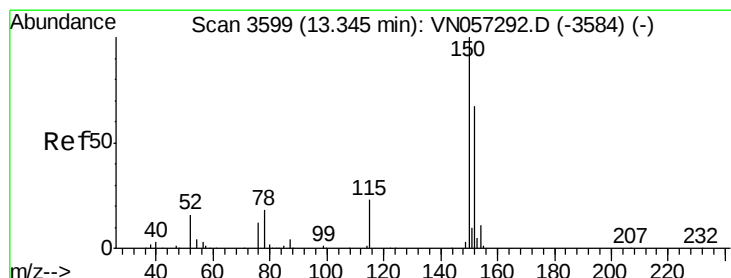
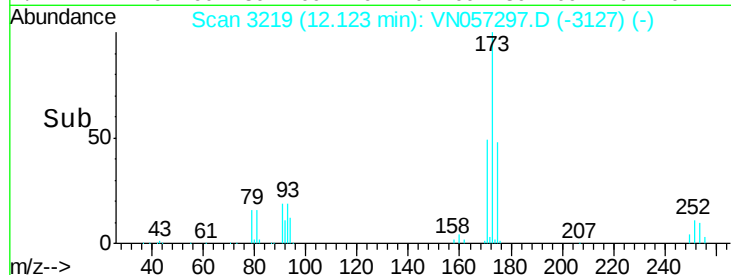
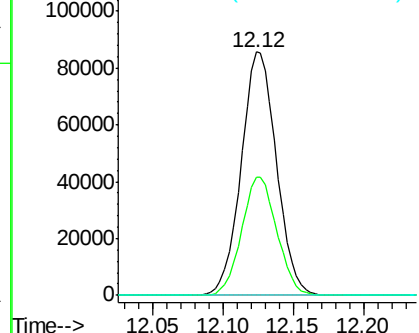
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.3  | 24.2  | 72.6  |
| 254     | 0.1   | 0.2   | 0.2#  |

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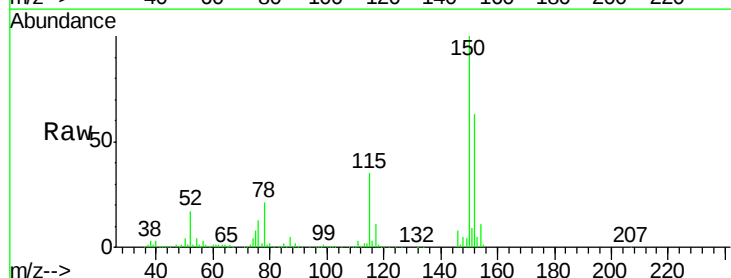


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

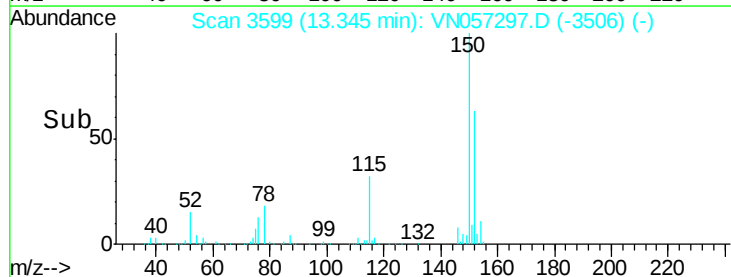
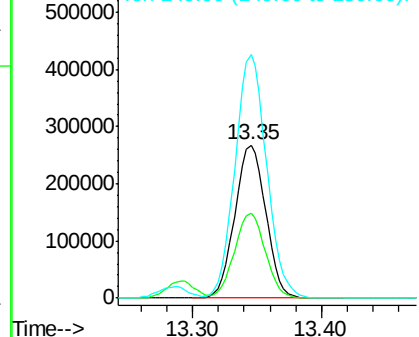


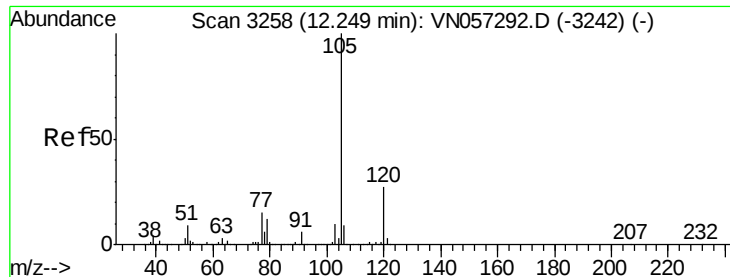
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.3  | 27.3  | 81.9  |
| 150     | 163.2 | 0.0   | 344.4 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.656 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion:105 Resp: 866007

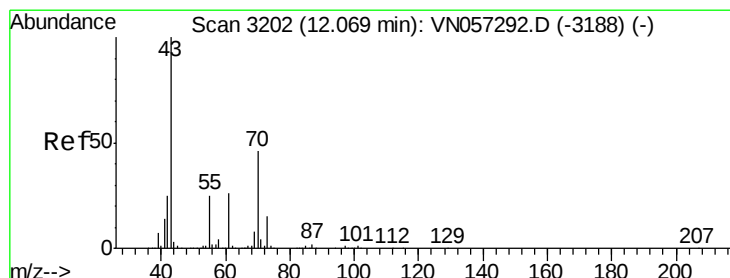
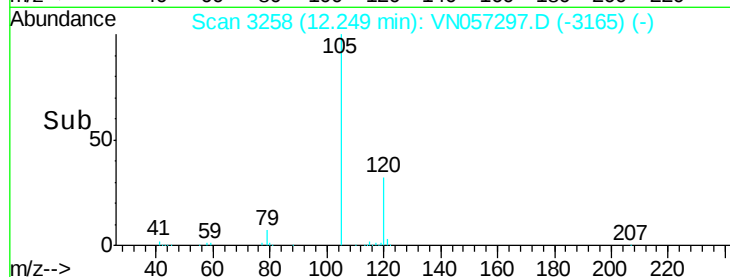
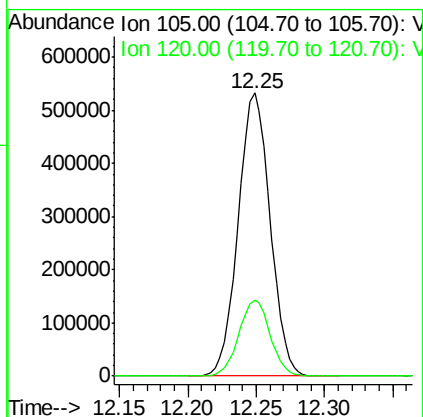
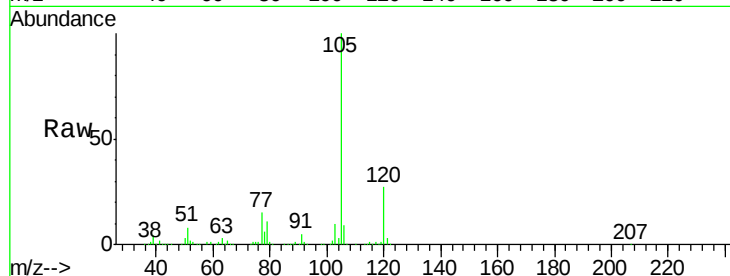
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6

Manual Integrations  
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#74

N-ethyl acetate

Concen: 19.334 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Tgt Ion: 43 Resp: 249280

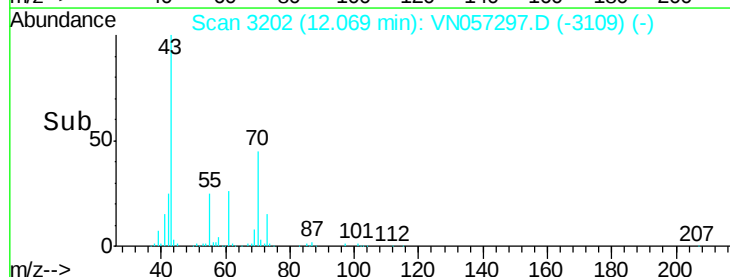
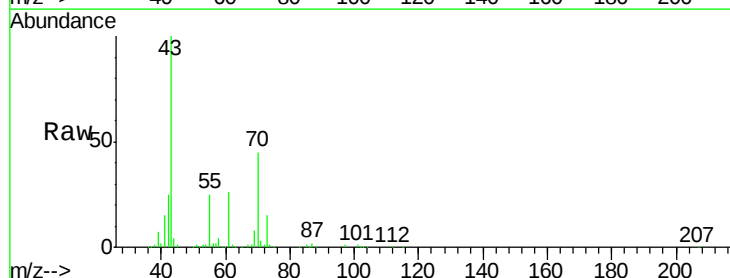
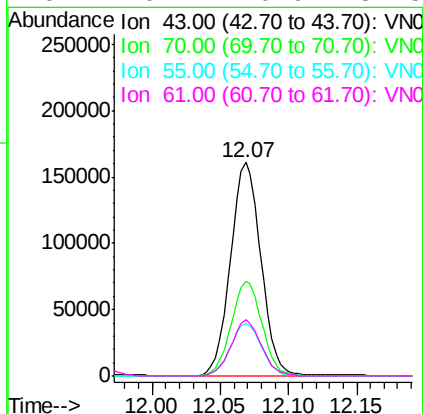
Ion Ratio Lower Upper

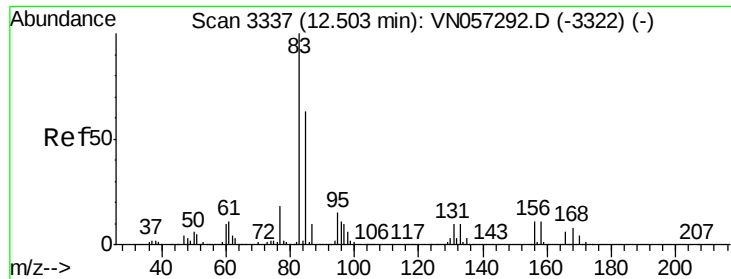
43 100

70 45.0 36.2 54.2

55 25.3 20.1 30.1

61 26.2 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.365 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

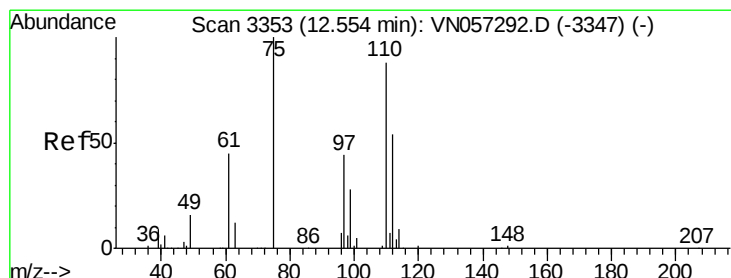
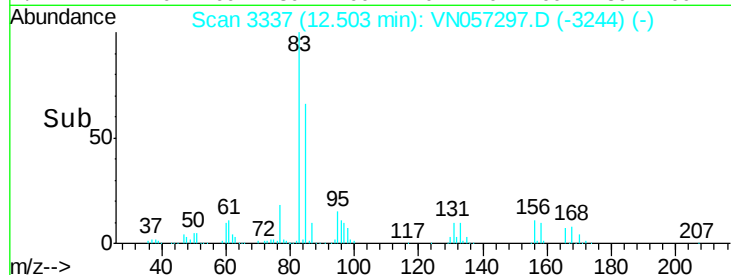
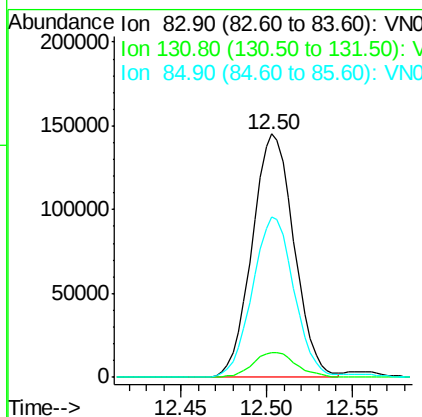
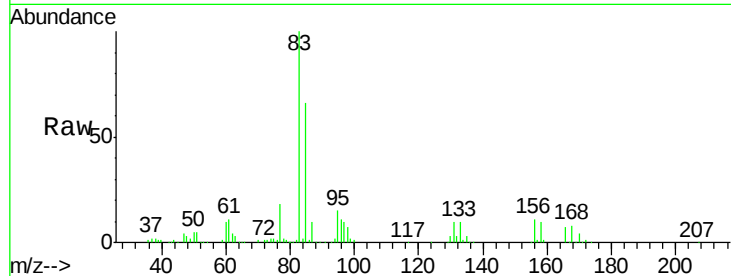
ClientSampleId :

VN0815WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 245315 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.6  | 5.4   | 16.2   |
| 85        | 65.4  | 32.3  | 96.9   |

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#76

1,2,3-Trichloropropane

Concen: 22.335 ug/l m

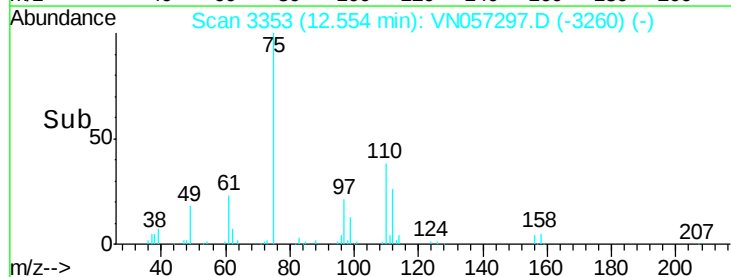
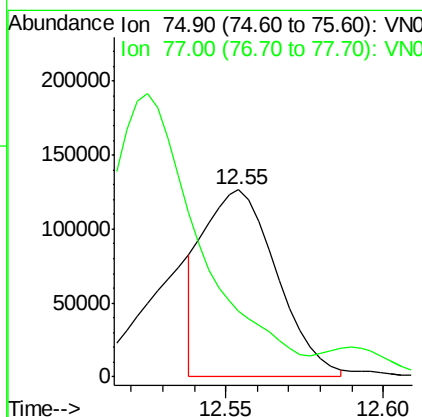
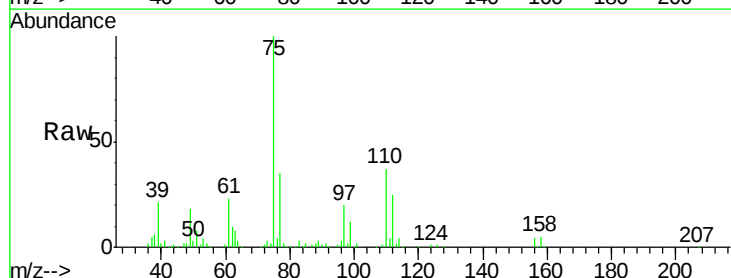
RT: 12.55 min Scan# 3353

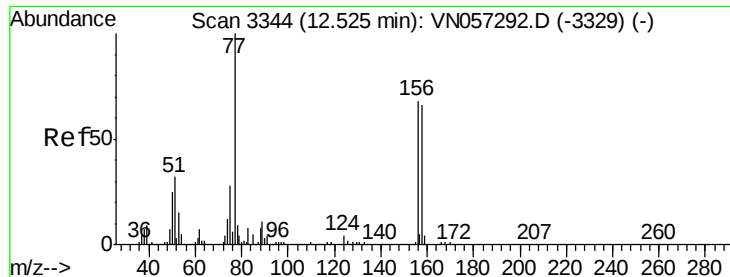
Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 204416 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 21.664 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

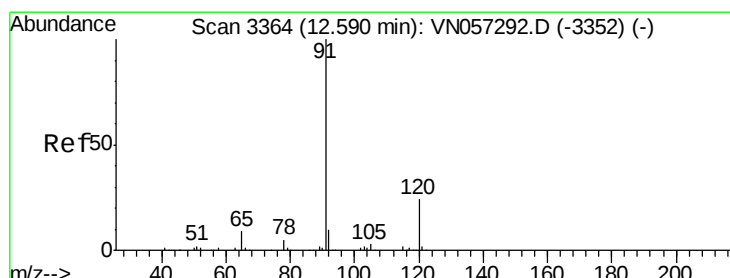
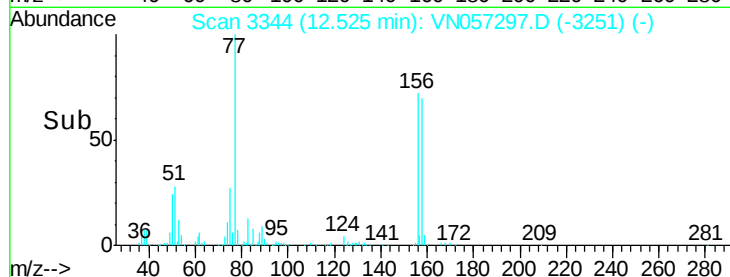
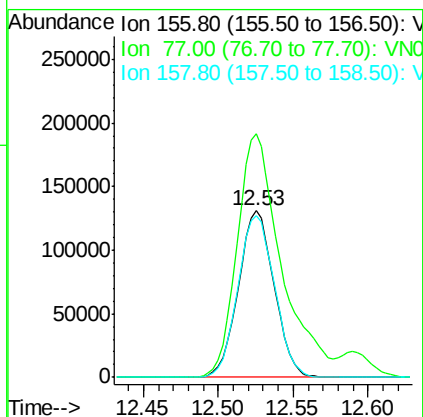
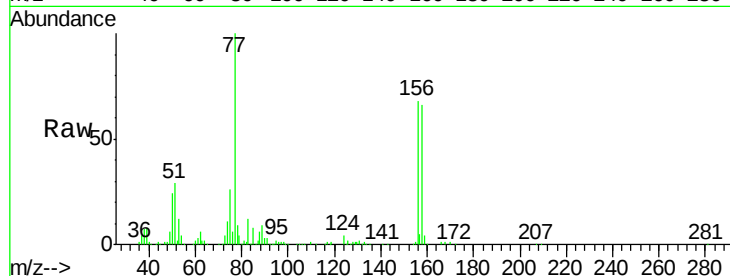
ClientSampleId :

VN0815WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 217973 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 180.8 | 89.8  | 269.6  |
| 158       | 99.6  | 49.3  | 147.8  |

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#78

n-propylbenzene

Concen: 19.990 ug/l

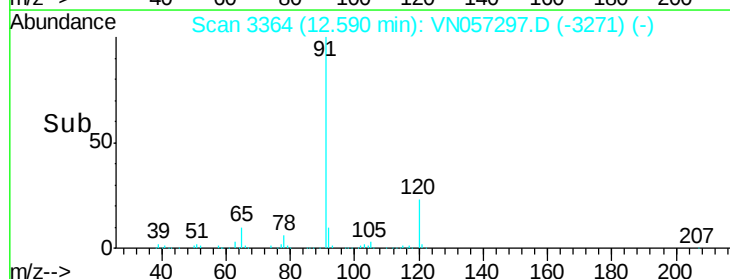
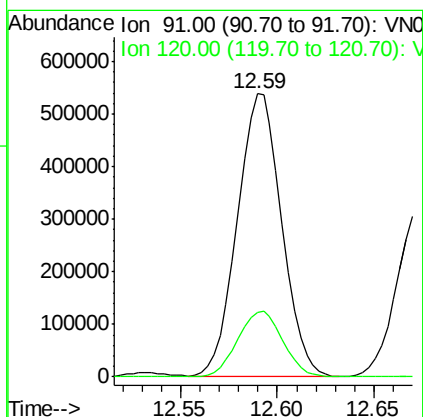
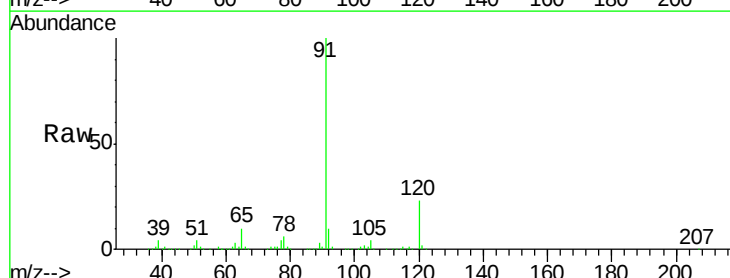
RT: 12.59 min Scan# 3364

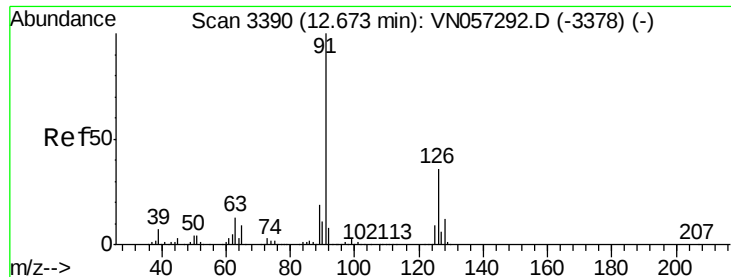
Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 855319 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.7  | 11.9  | 35.7   |





#79

2-Chlorotoluene

Concen: 22.115 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion: 91 Resp: 548139

Ion Ratio Lower Upper

91 100

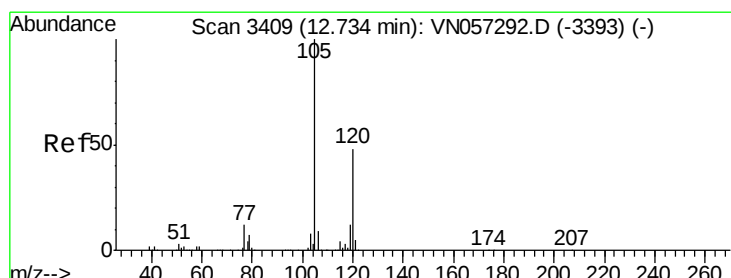
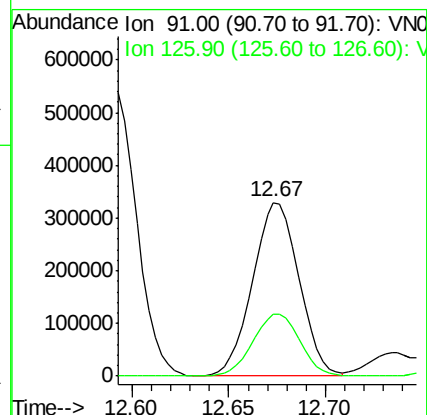
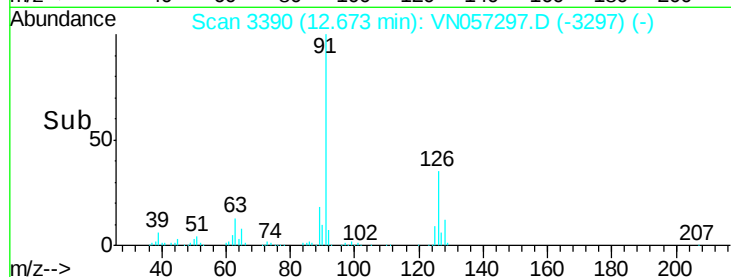
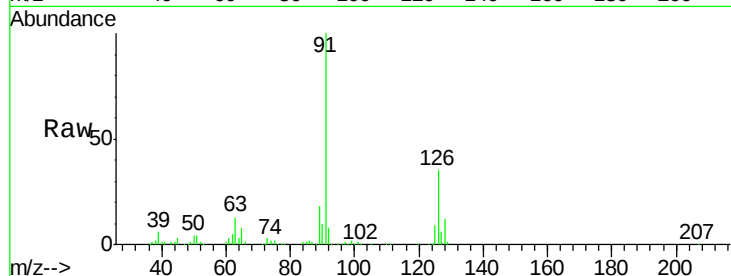
126 36.2 18.1 54.1

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#80

1,3,5-Trimethylbenzene

Concen: 22.270 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057297.D

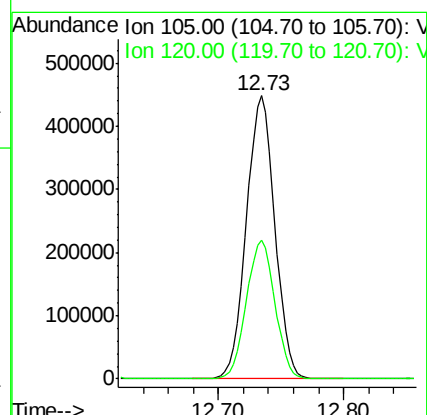
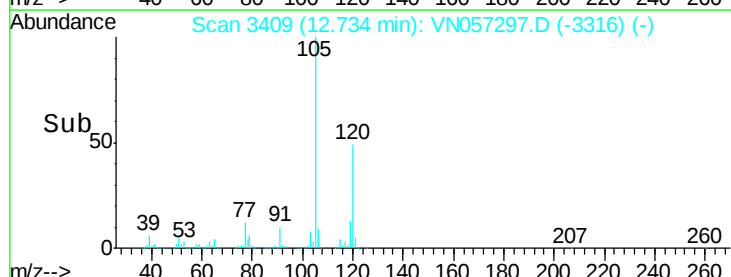
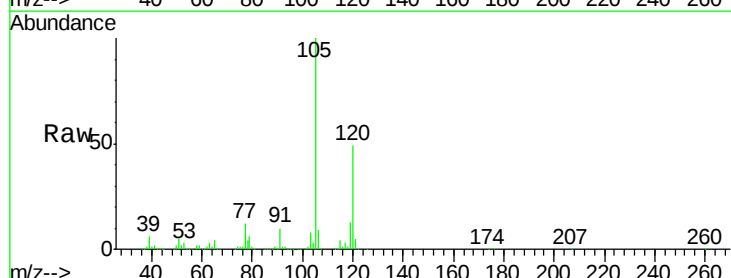
Acq: 14 Aug 2019 19:53

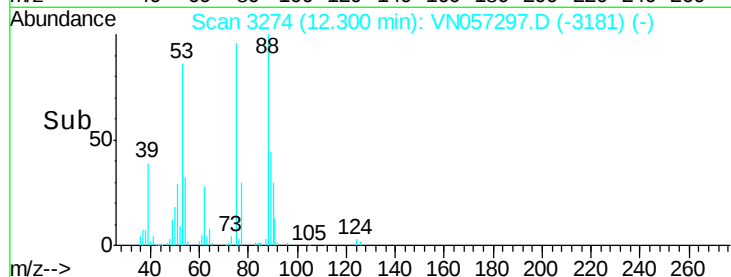
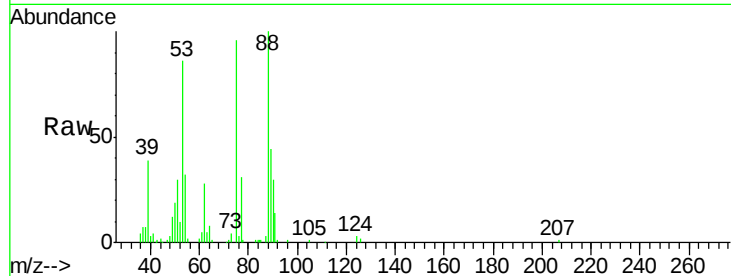
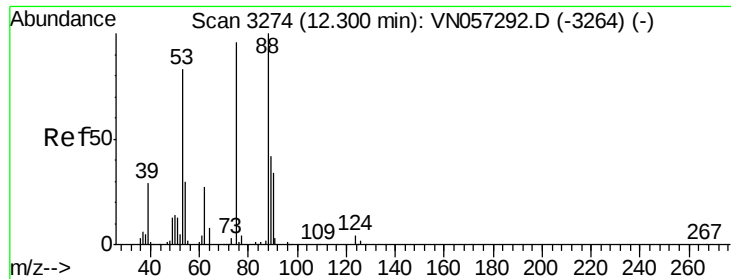
Tgt Ion: 105 Resp: 704179

Ion Ratio Lower Upper

105 100

120 49.4 24.3 73.0





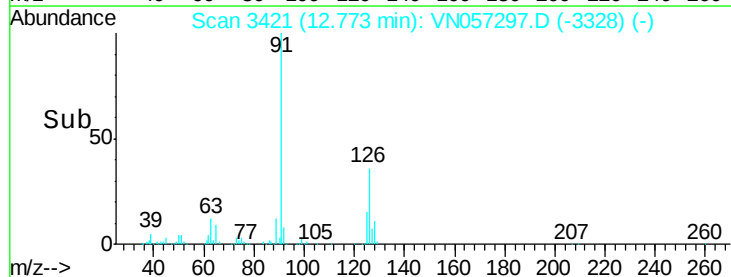
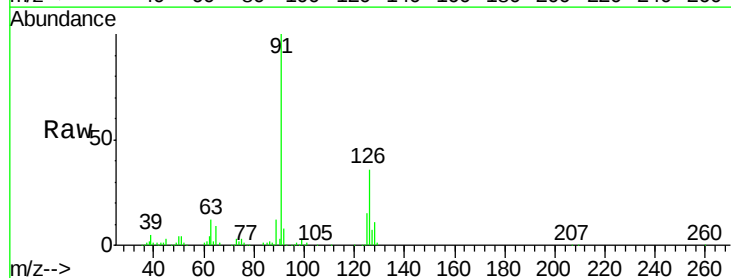
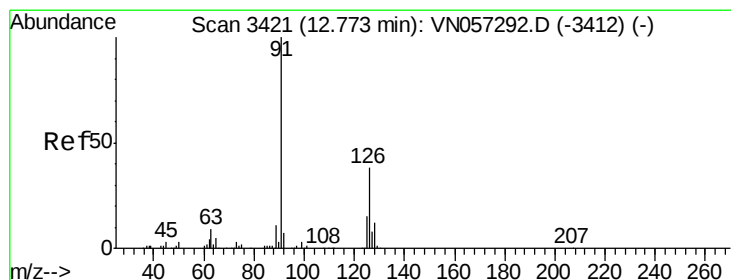
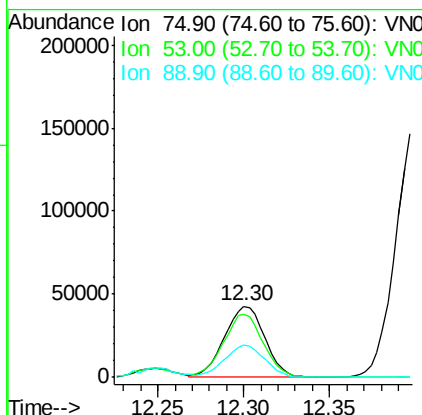
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.204 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 88.9  | 67.9  | 101.9 |
| 89      | 45.7  | 36.2  | 54.4  |

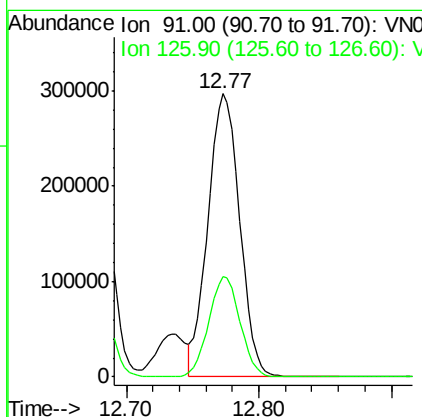
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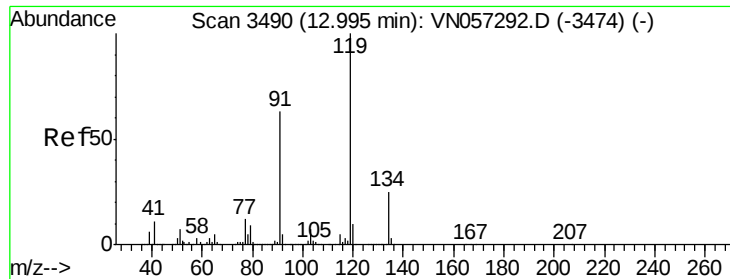
MMdadoda  
8/19/2019 1:53:22 AM



#82  
4-Chlorotoluene  
Concen: 19.462 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.9  | 17.3  | 51.7  |





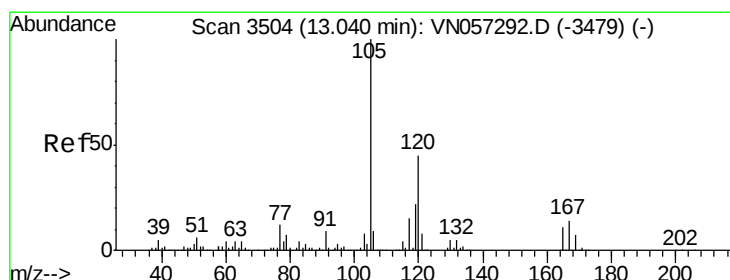
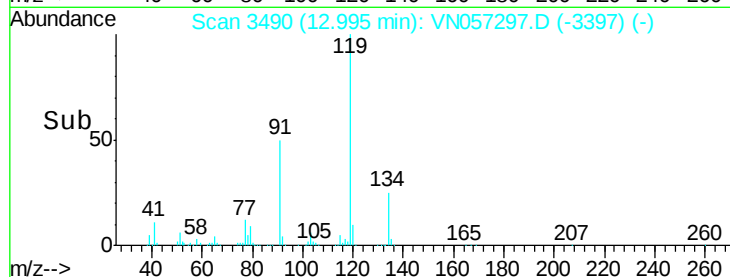
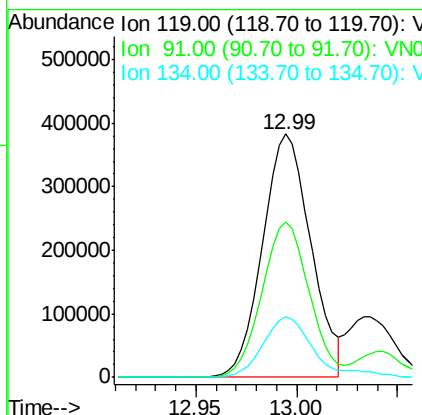
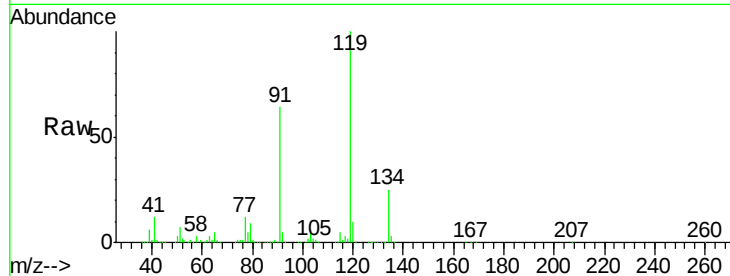
#83  
tert-Butylbenzene  
Concen: 22.623 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 637879 |       |       |
| 91      | 62.6  | 31.3   | 93.8  |       |
| 134     | 26.1  | 13.1   | 39.1  |       |

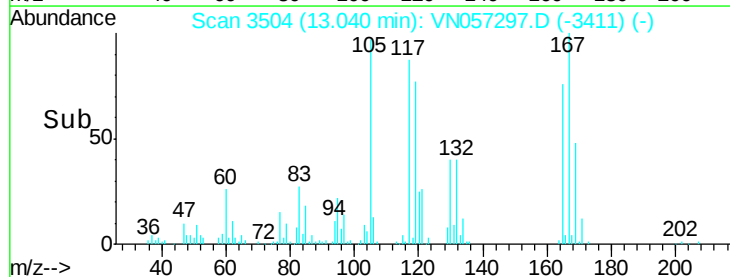
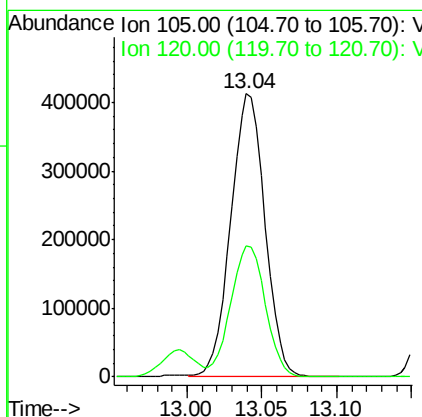
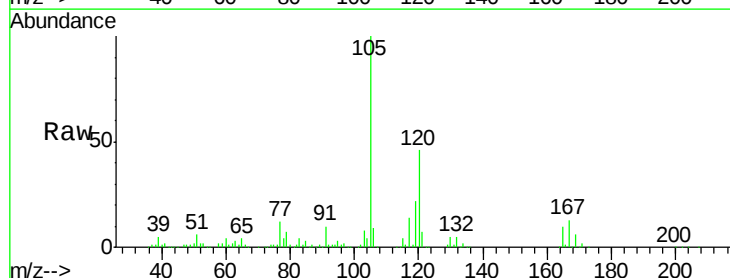
Manual Integrations  
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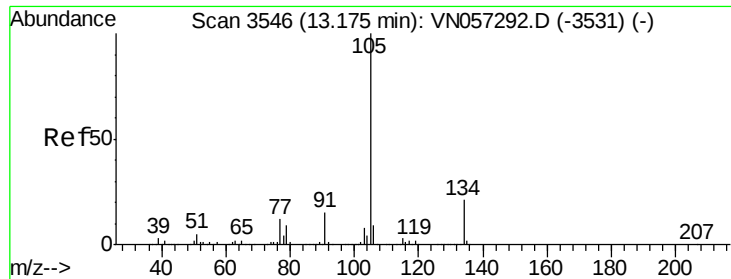
MMDadoda  
8/19/2019 1:53:22 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 20.476 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 655309 |       |       |
| 120     | 47.0  | 22.6   | 67.7  |       |





#85

sec-Butylbenzene

Concen: 21.673 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

ClientSampleId :

VN0815WBS01

Tot Ion:105 Resp: 757312

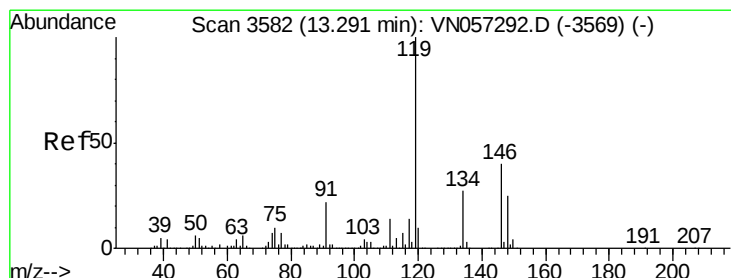
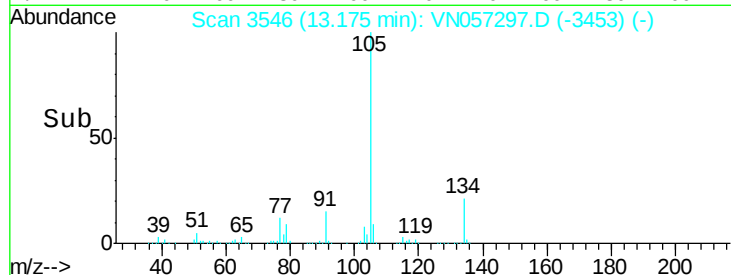
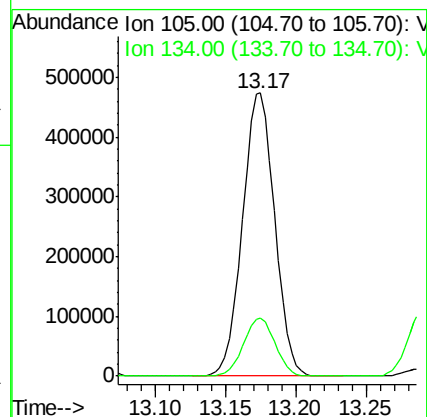
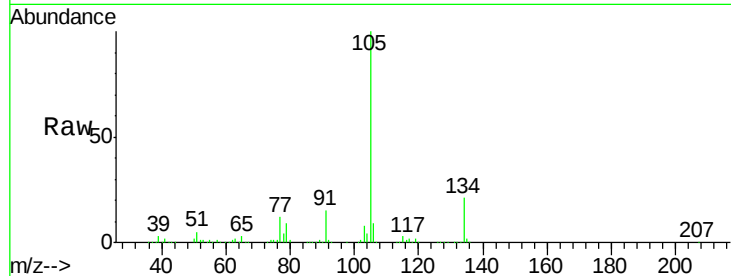
Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.963 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

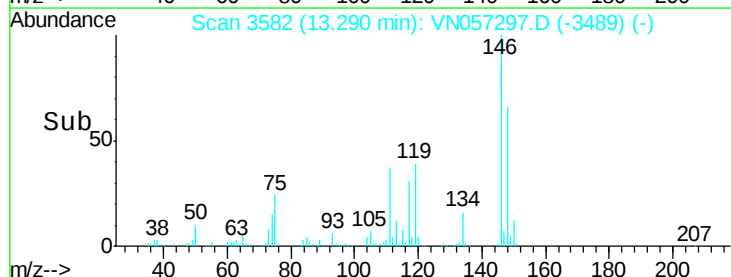
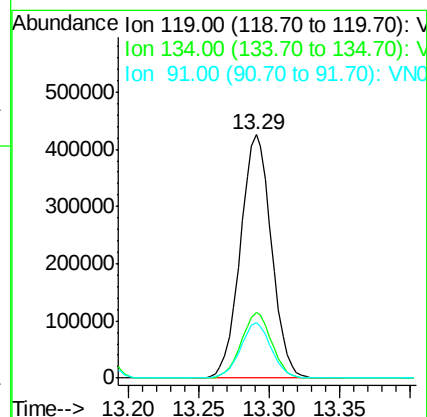
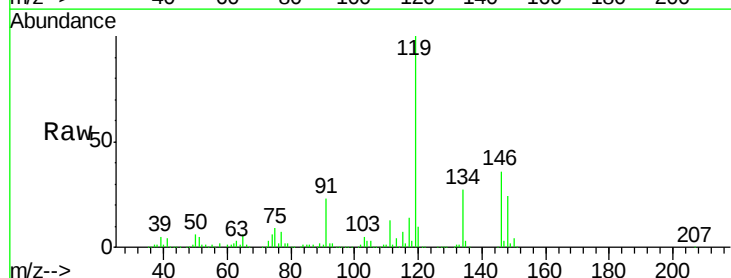
Tgt Ion:119 Resp: 654114

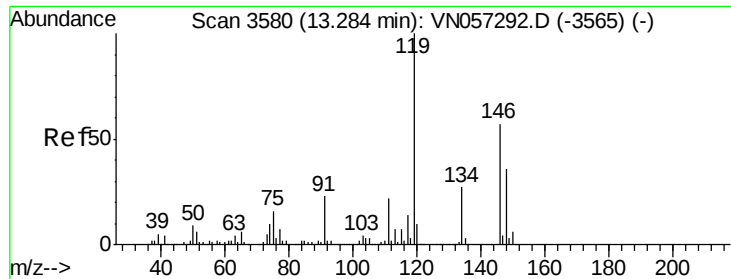
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.367 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

Instrument :

MSVOA\_N

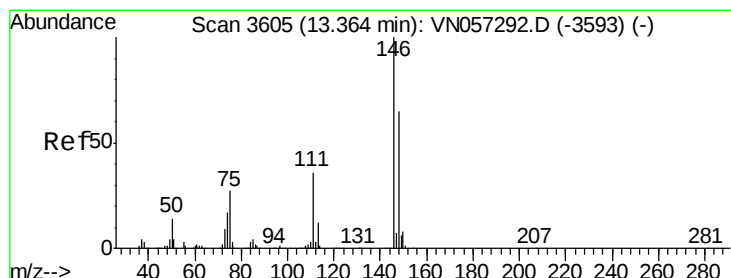
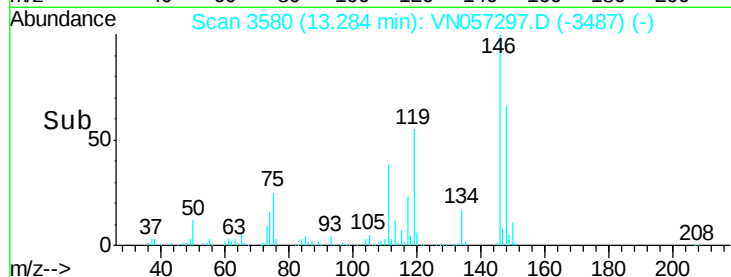
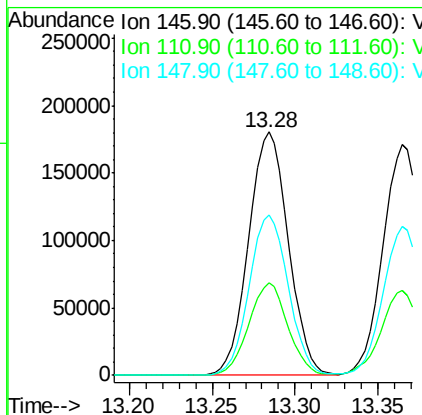
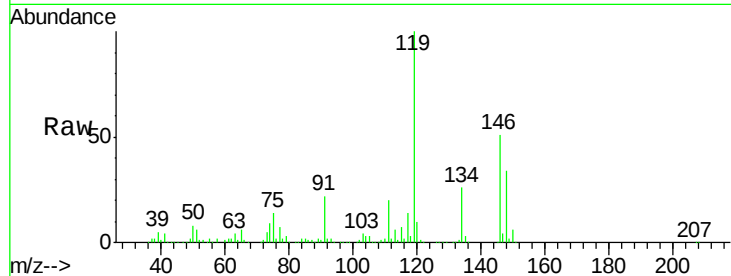
ClientSampleId :

VN0815WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 301502 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.3  | 18.7  | 56.1   |
| 148       | 65.0  | 31.7  | 95.1   |

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#88

1,4-Dichlorobenzene

Concen: 19.042 ug/l

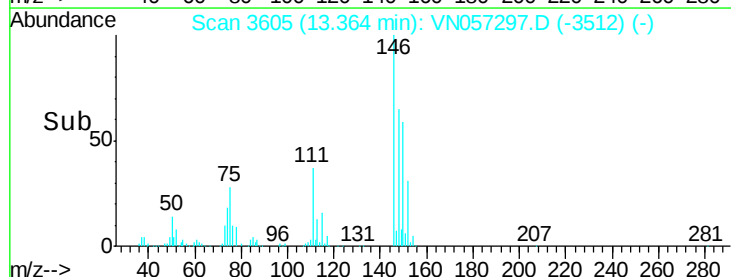
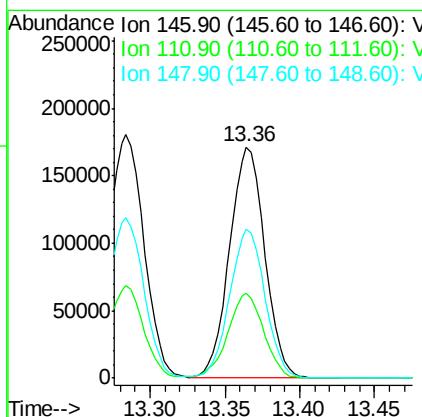
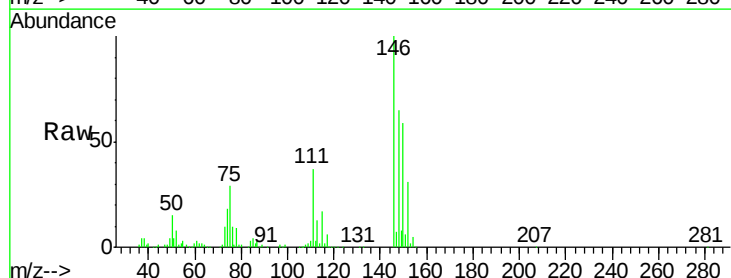
RT: 13.36 min Scan# 3605

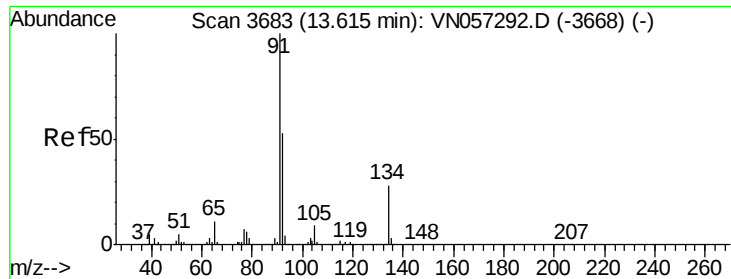
Delta R.T. -0.00 min

Lab File: VN057297.D

Acq: 14 Aug 2019 19:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 281407 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.2  | 18.4  | 55.4   |
| 148       | 64.3  | 32.5  | 97.4   |





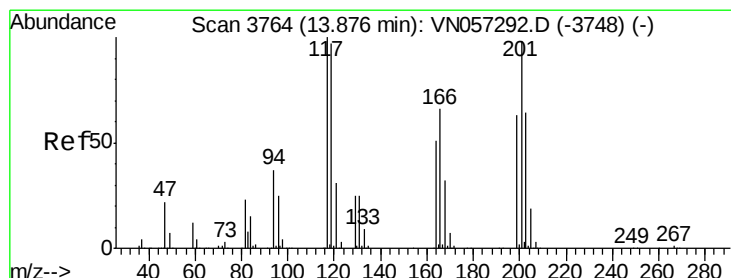
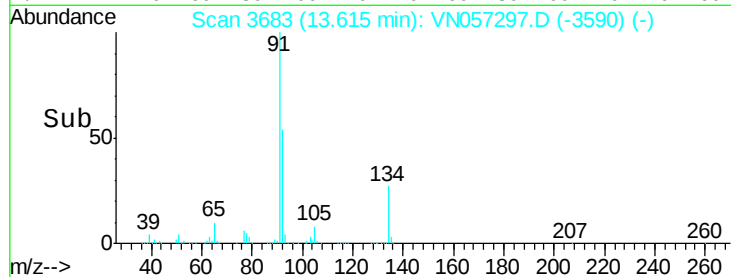
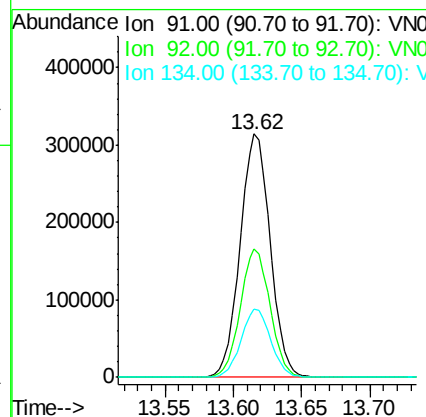
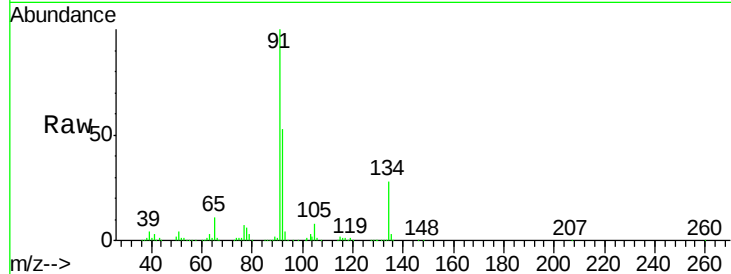
#89  
n-Butylbenzene  
Concen: 20.602 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.2  | 26.2  | 78.6  |
| 134     | 27.8  | 13.9  | 41.7  |

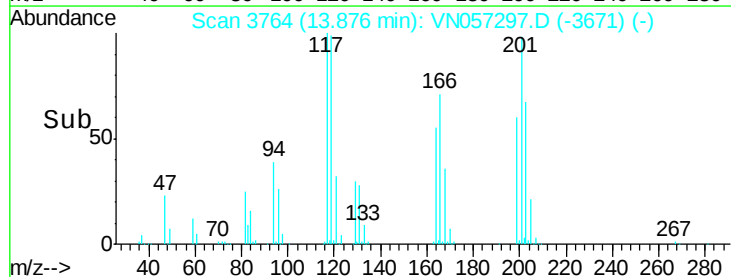
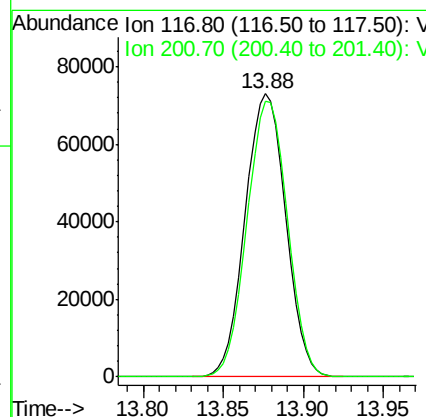
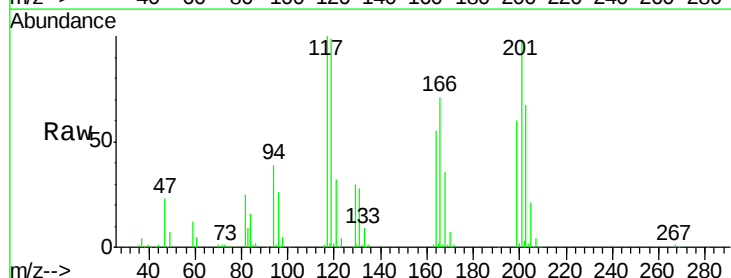
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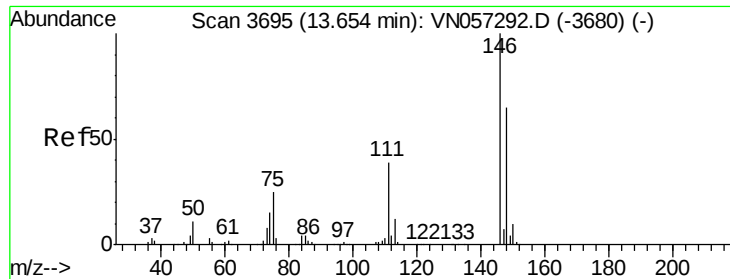
MMDadoda  
8/19/2019 1:53:22 AM



#90  
Hexachloroethane  
Concen: 21.479 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 97.1  | 48.4  | 145.0 |





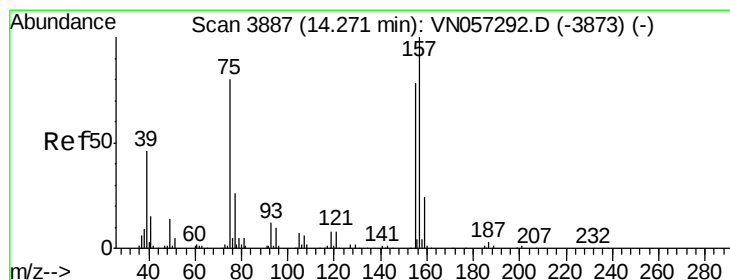
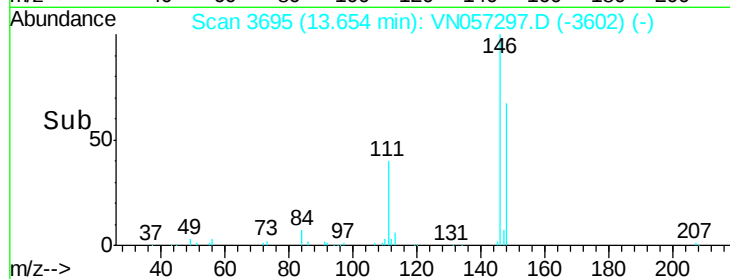
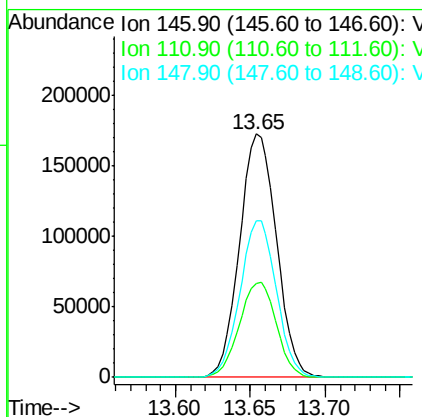
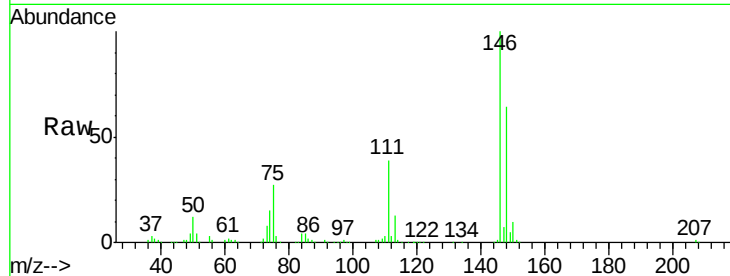
#91  
 1,2-Dichlorobenzene  
 Concen: 20.500 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.7  | 59.1  |
| 148     | 63.3  | 32.0  | 96.0  |

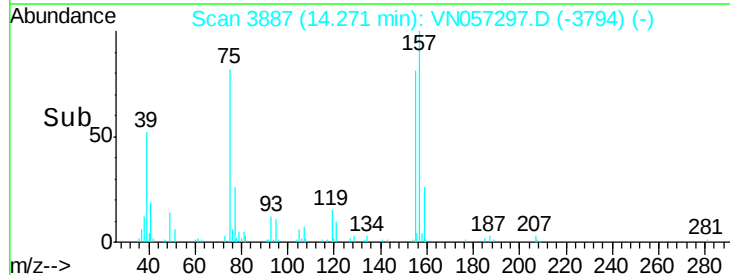
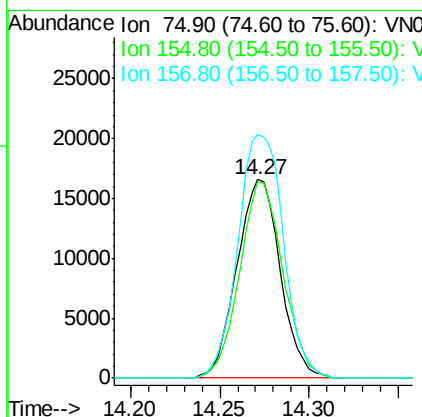
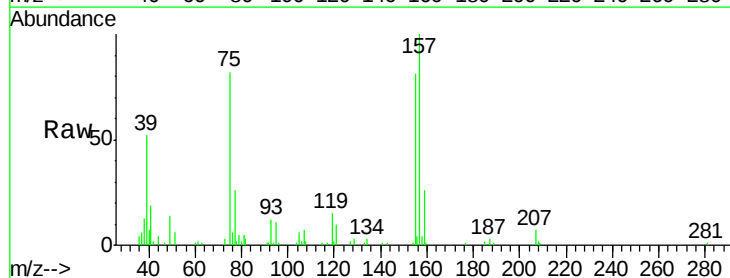
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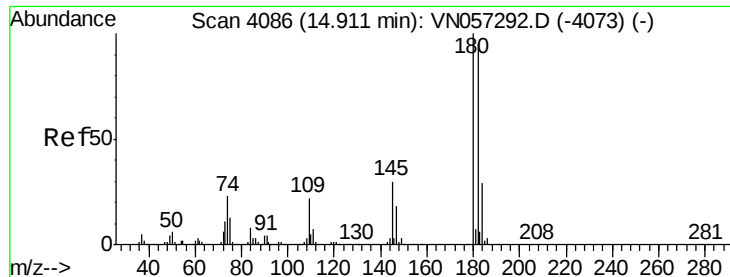
MMDadoda  
 8/19/2019 1:53:22 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 17.735 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 98.7  | 49.6  | 148.8 |
| 157     | 129.1 | 63.7  | 191.1 |





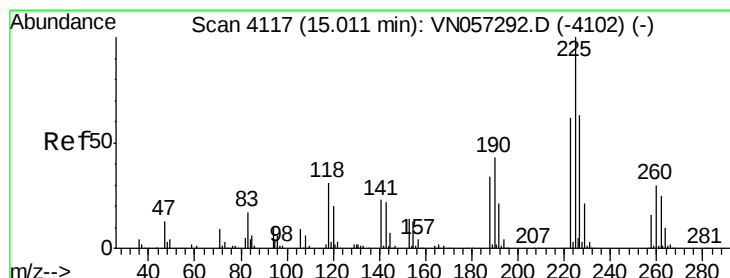
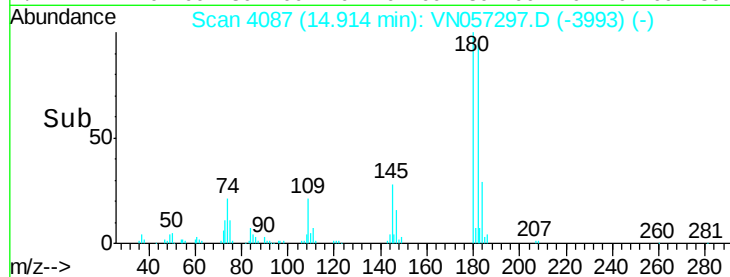
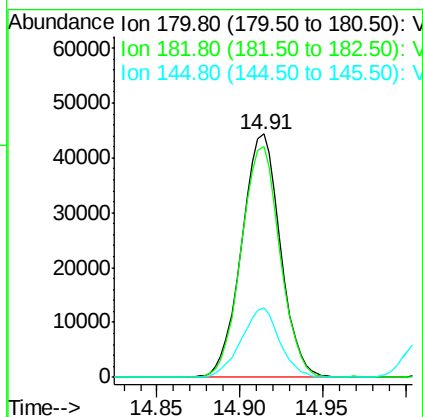
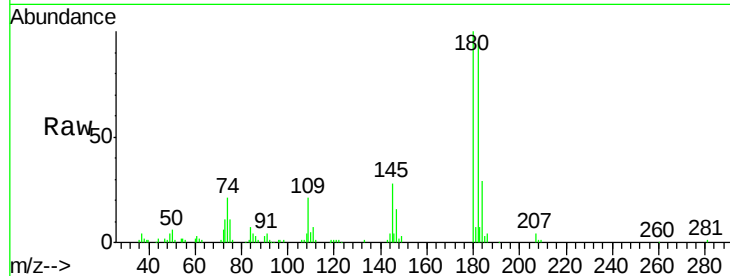
#93  
 1,2,4-Trichlorobenzene  
 Concen: 16.436 ug/l  
 RT: 14.91 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.8  | 48.0  | 144.2 |
| 145     | 28.2  | 14.5  | 43.6  |

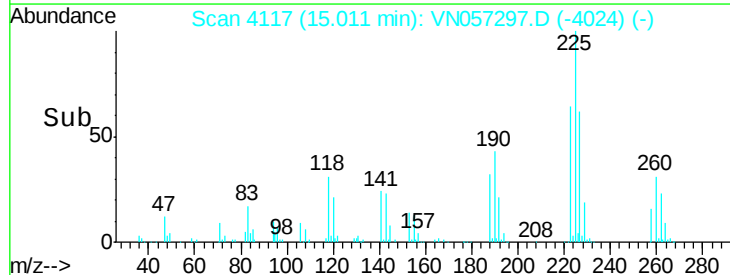
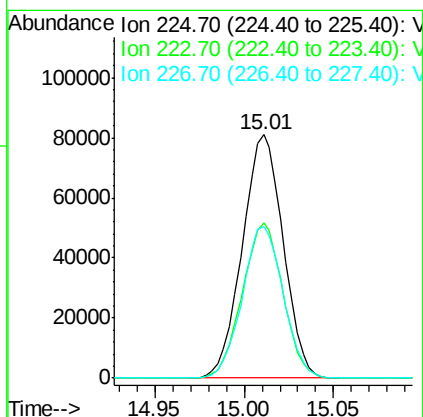
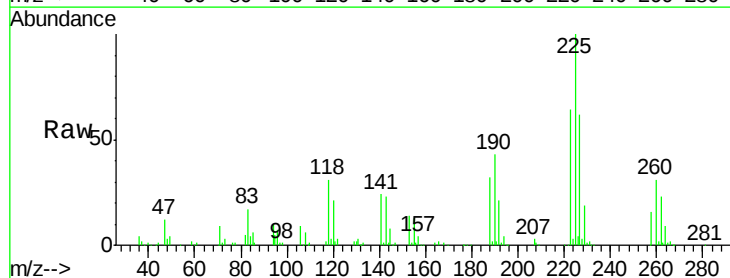
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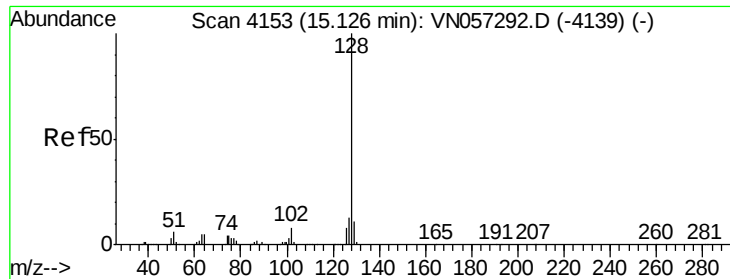
MMdadoda  
 8/19/2019 1:53:22 AM



#94  
 Hexachlorobutadiene  
 Concen: 20.668 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. -0.00 min  
 Lab File: VN057297.D  
 Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.4  | 30.7  | 92.1  |
| 227     | 62.4  | 30.9  | 92.7  |





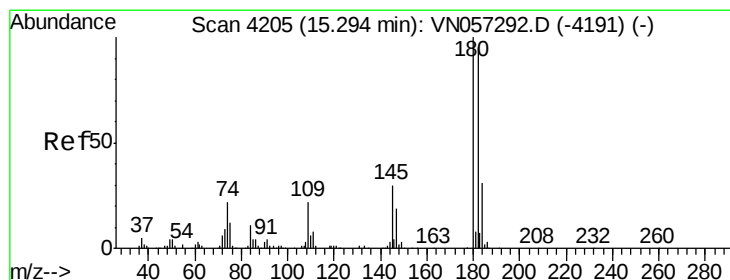
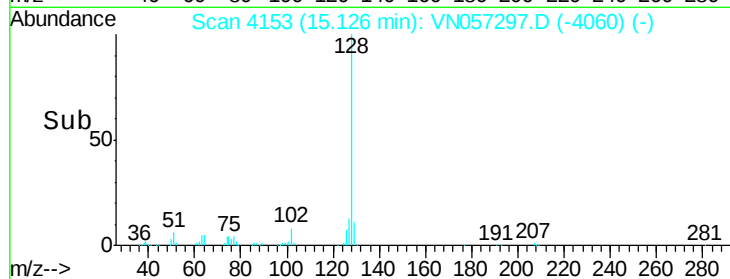
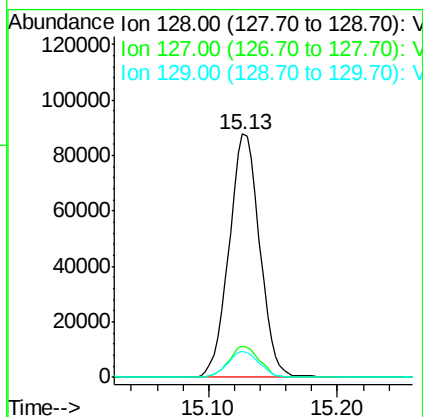
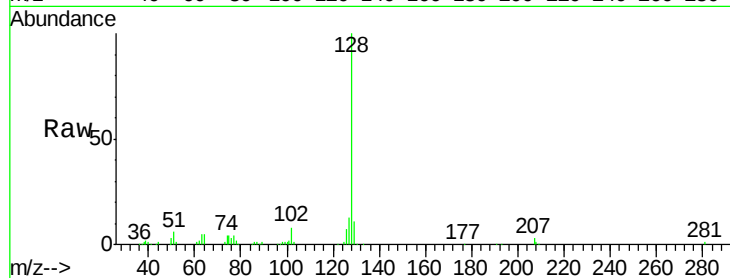
#95  
Naphthalene  
Concen: 20.116 ug/l  
RT: 15.13 min Scan# 4153  
Delta R.T. -0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0815WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.5  | 15.7  |
| 129     | 10.9  | 8.8   | 13.2  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.312 ug/l  
RT: 15.30 min Scan# 4206  
Delta R.T. 0.00 min  
Lab File: VN057297.D  
Acq: 14 Aug 2019 19:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.8  | 47.9  | 143.6 |
| 145     | 28.0  | 15.1  | 45.3  |

