

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\  
 Data File : VN053313.D  
 Acq On : 8 Jan 2019 12:50  
 Operator : MD\SY  
 Sample : VN0108WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0108WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 1/9/2019 10:57:51 AM

Quant Time: Jan 09 00:45:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N010519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 07 09:34:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1061498  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1596949  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1440518  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 671594   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 521388   | 47.21 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.42% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 442874   | 48.72 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.44% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1912827  | 48.77 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.54% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 673777   | 49.07 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.14% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 180298  | 19.266 | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 233763  | 17.887 | ug/l | 100    |
| 4) Vinyl Chloride             | 2.19 | 62  | 225479  | 18.077 | ug/l | 99     |
| 5) Bromomethane               | 2.57 | 94  | 154897  | 19.004 | ug/l | 98     |
| 6) Chloroethane               | 2.71 | 64  | 137227  | 18.227 | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 310640  | 19.227 | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 121033  | 19.113 | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 198220  | 19.358 | ug/l | 99     |
| 10) Methyl Iodide             | 3.96 | 142 | 287466  | 20.028 | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.78 | 59  | 62132   | 93.538 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 190087  | 19.192 | ug/l | 99     |
| 13) Acrolein                  | 3.61 | 56  | 77884   | 93.255 | ug/l | 98     |
| 14) Allyl chloride            | 4.33 | 41  | 306488  | 19.199 | ug/l | 96     |
| 15) Acrylonitrile             | 4.99 | 53  | 363562  | 91.687 | ug/l | 98     |
| 16) Acetone                   | 3.82 | 43  | 246038  | 91.150 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.06 | 76  | 554985  | 18.175 | ug/l | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 171571  | 17.166 | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 538297  | 19.365 | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 217734  | 18.357 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 206777  | 19.444 | ug/l | 97     |
| 22) Diisopropyl ether         | 5.95 | 45  | 664668  | 19.327 | ug/l | 96     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2055388 | 94.987 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 382603  | 19.290 | ug/l | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 414201  | 91.420 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 273671  | 18.875 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 237217  | 19.533 | ug/l | 99     |
| 28) Bromochloromethane        | 7.20 | 49  | 161251  | 19.078 | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 275479  | 92.138 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 370603  | 18.983 | ug/l | 100    |
| 31) Cyclohexane               | 7.66 | 56  | 363883  | 19.186 | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 307796  | 18.920 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 298009  | 19.989 | ug/l | 98     |
| 37) Ethyl Acetate             | 6.93 | 43  | 185114  | 19.063 | ug/l | 100    |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 264613  | 19.230 | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\  
 Data File : VN053313.D  
 Acq On : 8 Jan 2019 12:50  
 Operator : MD\SY  
 Sample : VN0108WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VN0108WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 1/9/2019 10:57:51 AM

Quant Time: Jan 09 00:45:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N010519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 07 09:34:27 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 338702   | 19.610  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 889668   | 19.536  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 92008    | 15.261  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 259979   | 19.246  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 346218   | 18.123  | ug/l   | 99       |
| 44) Trichloroethene            | 8.84  | 130  | 244875   | 19.583  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 233735   | 19.569  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 134319   | 19.287  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 274477   | 18.913  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 165749   | 19.098  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 35467    | 383.557 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 928537   | 96.653  | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 556937   | 19.934  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 285800   | 19.250  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 337973   | 19.700  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 194306   | 18.914  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 265797   | 19.910  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 334190   | 19.453  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 680887   | 94.342  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 631788   | 95.984  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 207878   | 18.761  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 199407   | 19.670  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 263592   | 19.442  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 614072   | 19.623  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 212484   | 19.399  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1063511  | 20.000  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 809335   | 40.477  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 396507   | 20.255  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 647643   | 20.328  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 146827   | 18.978  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1036655  | 20.732  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 307758   | 20.612  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 229618   | 19.963  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 184031m  | 18.787  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 288638   | 21.628  | ug/l   | 92       |
| 78) n-propylbenzene            | 12.59 | 91   | 1171283  | 20.709  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 697905   | 20.393  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 840292   | 20.863  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 65653    | 19.719  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 713448   | 20.330  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 722897   | 20.457  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 840656   | 20.488  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 957324   | 20.542  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 839358   | 20.802  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 472762   | 20.117  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 463640   | 19.888  | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.62 | 91   | 690049   | 20.398  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 119479   | 18.474  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 435956   | 19.804  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 26969    | 19.331  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\  
Data File : VN053313.D  
Acq On : 8 Jan 2019 12:50  
Operator : MD\SY  
Sample : VN0108WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 10 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

Manual Integrations  
APPROVED

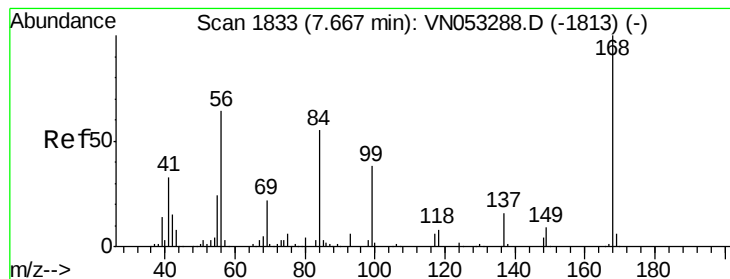
MMDadoda  
1/9/2019 10:57:51 AM

Quant Time: Jan 09 00:45:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N010519W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 07 09:34:27 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 147158   | 21.261 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 122123   | 21.571 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 276715   | 23.435 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 104352   | 23.027 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0108WBSD01

Tot Ion:168 Resp: 1061498

Ion Ratio Lower Upper

168 100

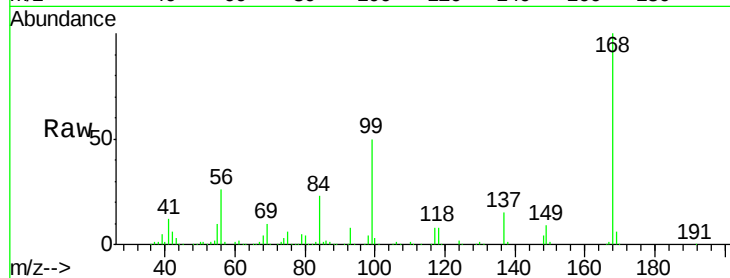
99 49.4 39.1 58.7

Manual Integrations

APPROVED

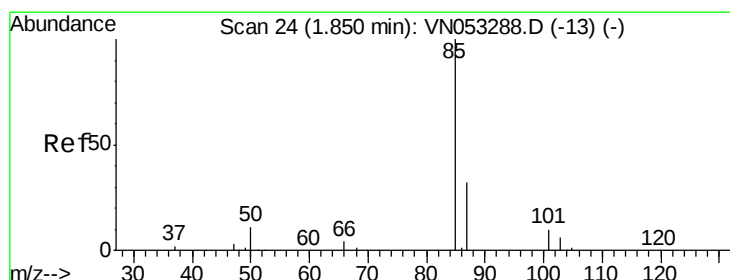
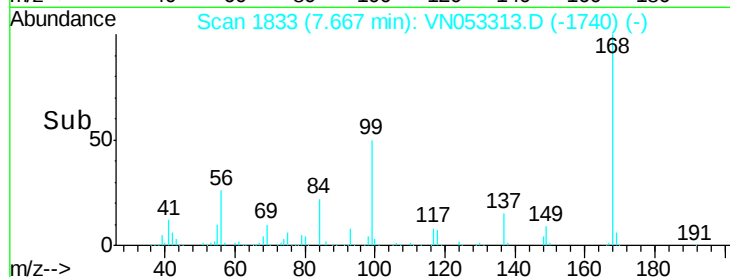
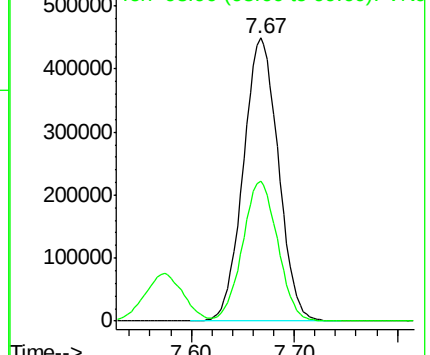
MMDadoda

1/9/2019 10:57:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.266 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053313.D

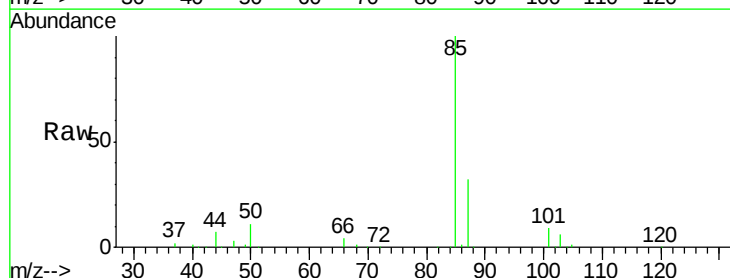
Acq: 8 Jan 2019 12:50

Tgt Ion: 85 Resp: 180298

Ion Ratio Lower Upper

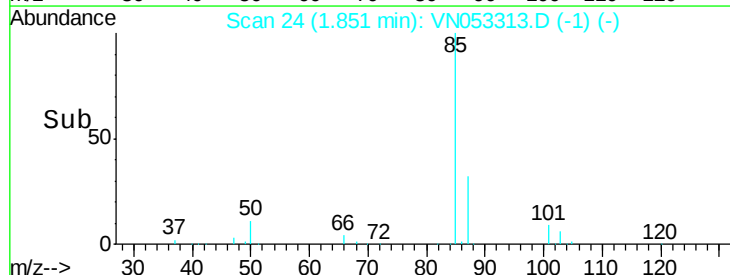
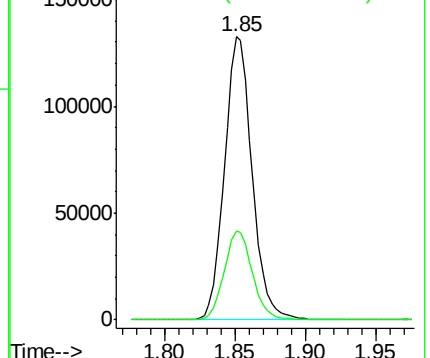
85 100

87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.887 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0108WBSD01

Tot Ion: 50 Resp: 233763

Ion Ratio Lower Upper

50 100

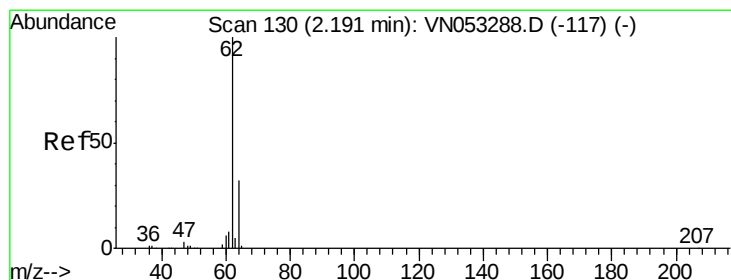
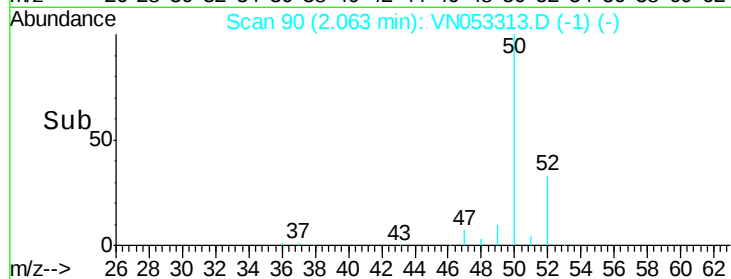
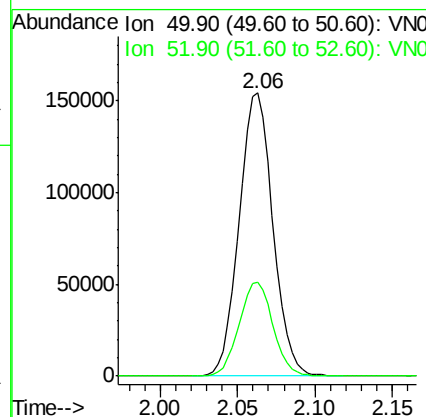
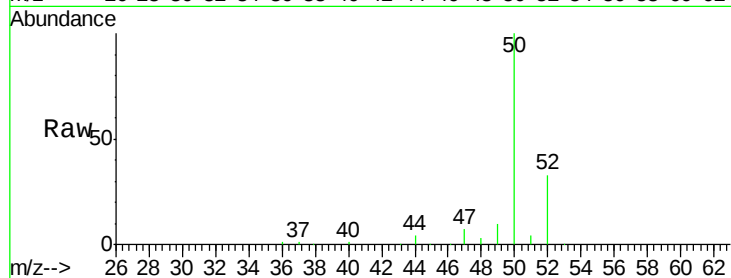
52 33.1 26.6 40.0

Manual Integrations

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1/9/2019 10:57:51 AM



#4

Vinyl Chloride

Concen: 18.077 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053313.D

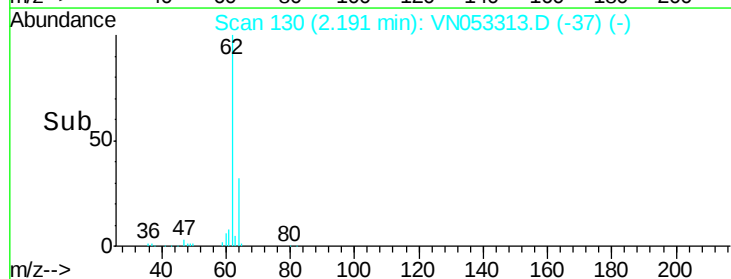
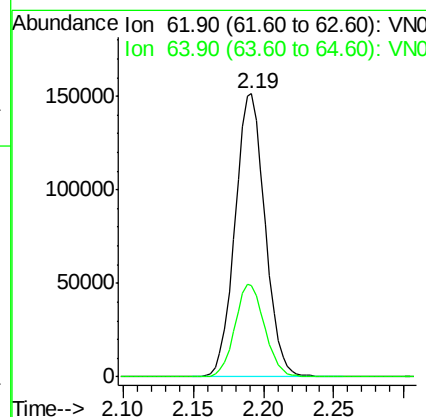
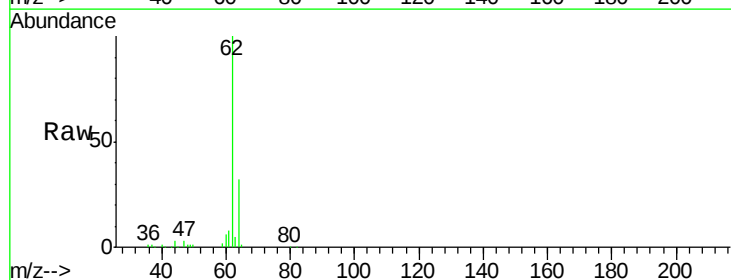
Acq: 8 Jan 2019 12:50

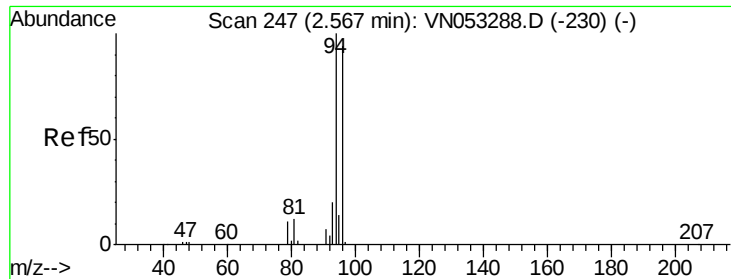
Tgt Ion: 62 Resp: 225479

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 19.004 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0108WBSD01

Tot Ion: 94 Resp: 154897

Ion Ratio Lower Upper

94 100

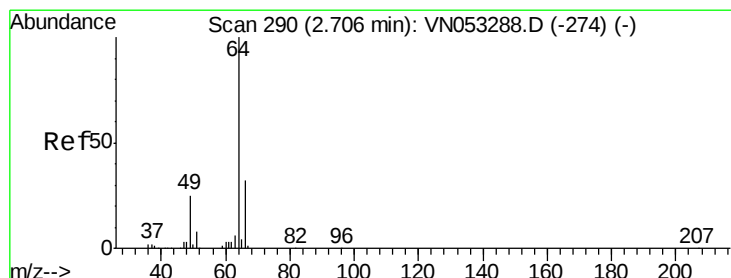
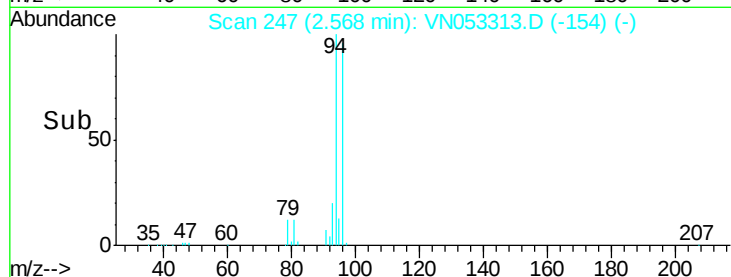
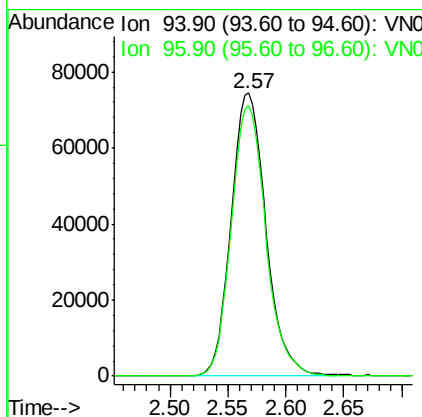
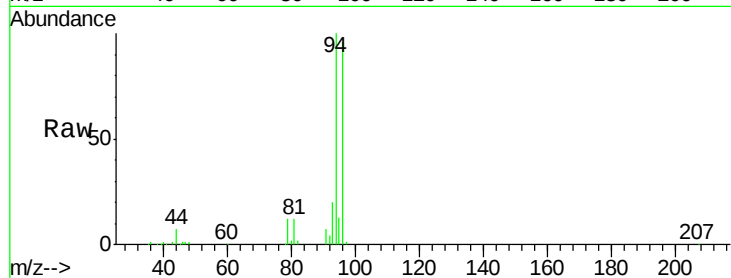
96 95.7 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

1/9/2019 10:57:51 AM



#6

Chloroethane

Concen: 18.227 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053313.D

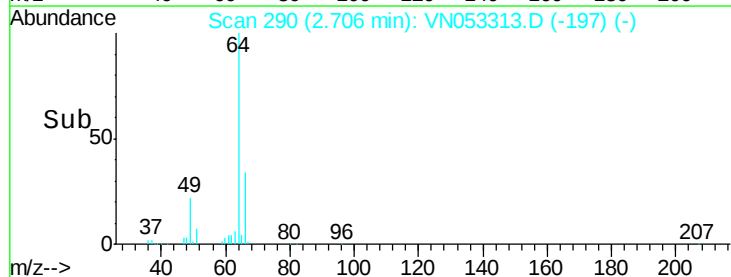
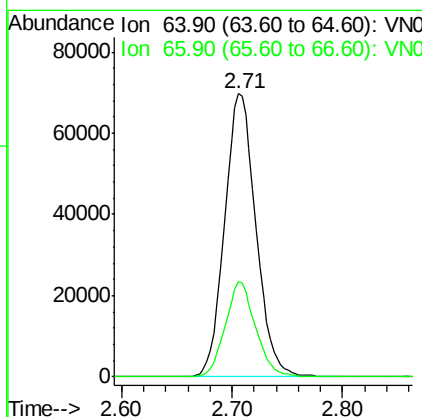
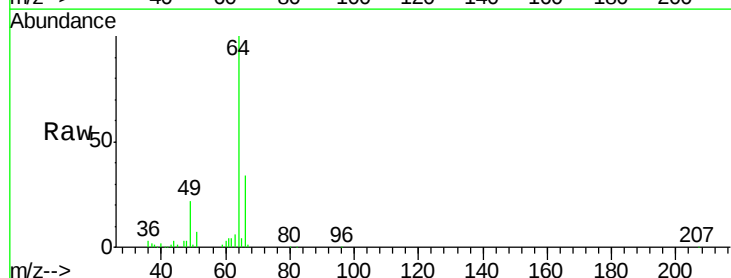
Acq: 8 Jan 2019 12:50

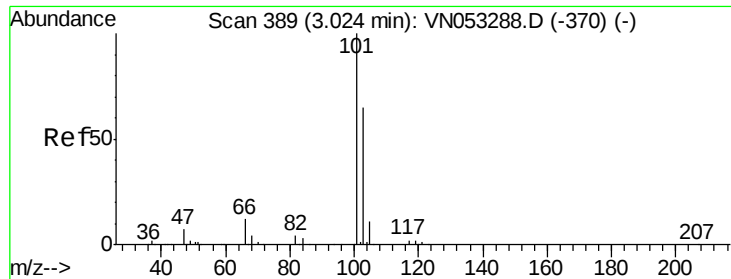
Tgt Ion: 64 Resp: 137227

Ion Ratio Lower Upper

64 100

66 33.6 25.6 38.4





#7

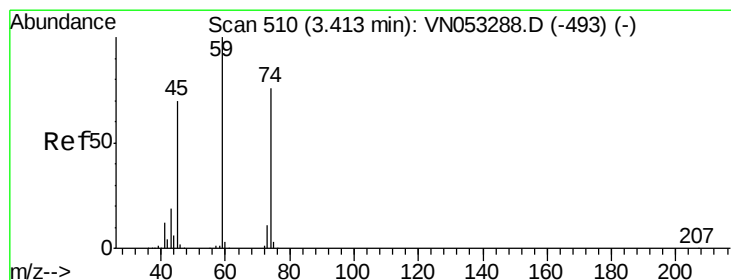
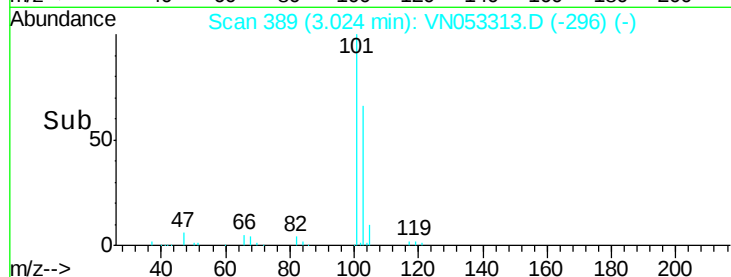
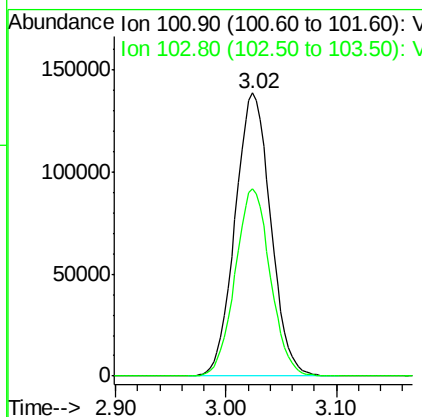
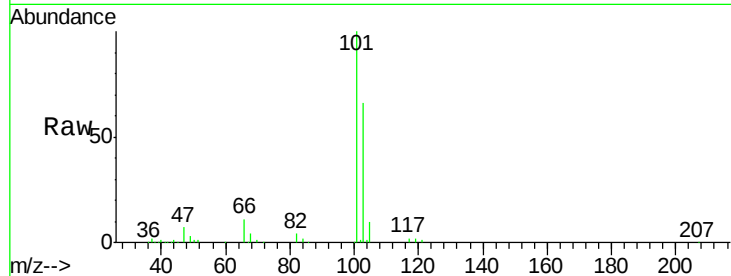
Trichlorofluoromethane  
 Concen: 19.227 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0108WBSD01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 310640 |       |       |
| 103     | 66.1 | 52.1  | 78.1   |       |       |

Manual Integrations  
 APPROVED

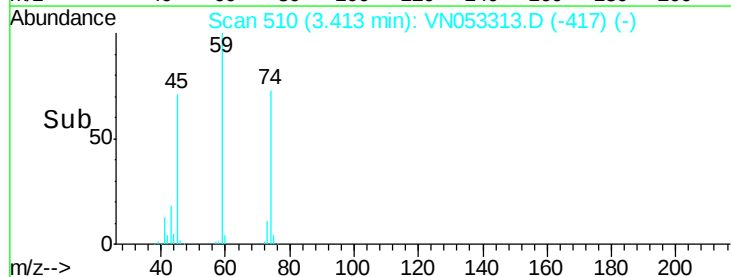
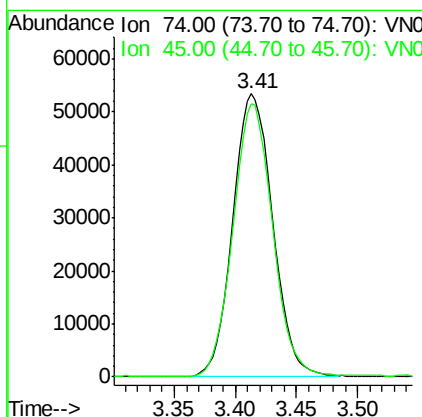
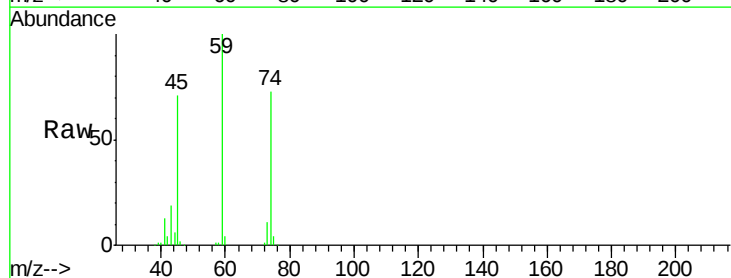
MMDadoda  
 1/9/2019 10:57:51 AM

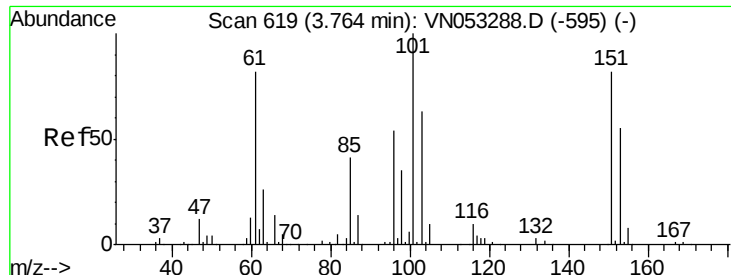


#8

Diethyl Ether  
 Concen: 19.113 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 74      | 100  |       | 121033 |       |       |
| 45      | 96.0 | 48.3  | 144.9  |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.358 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

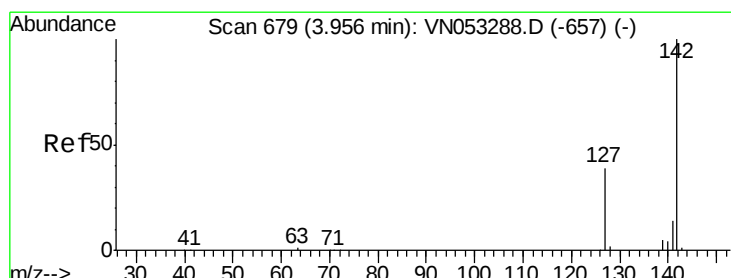
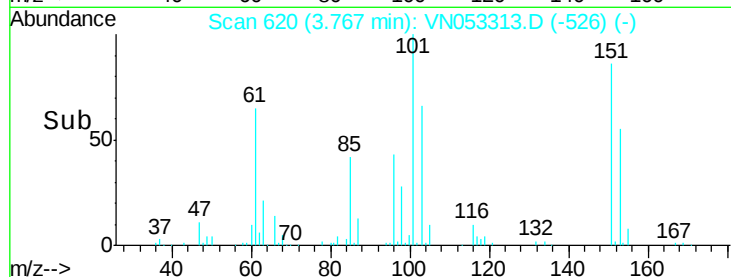
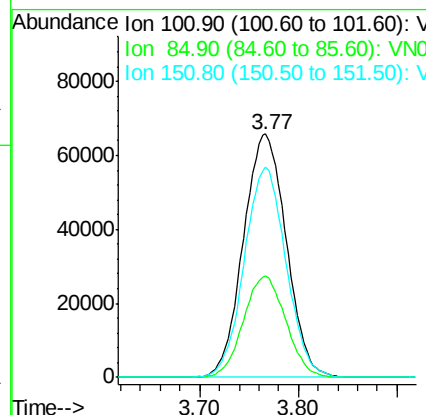
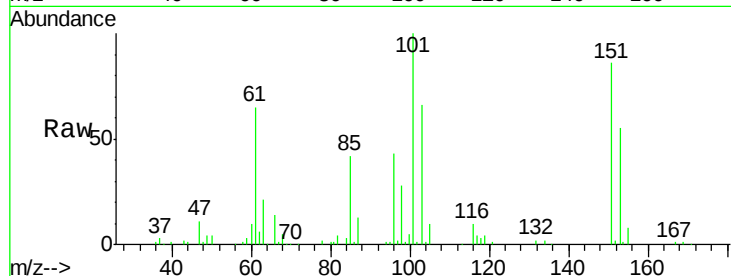
ClientSampleId :

VN0108WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 198220 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 40.9  | 33.3  | 49.9   |
| 151       | 84.2  | 67.0  | 100.4  |

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#10

Methyl Iodide

Concen: 20.028 ug/l

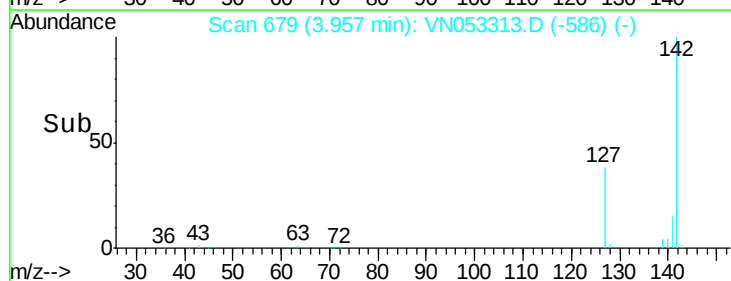
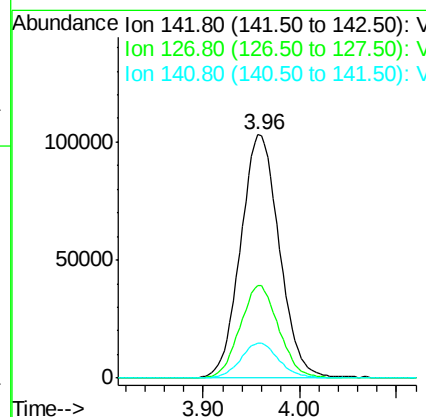
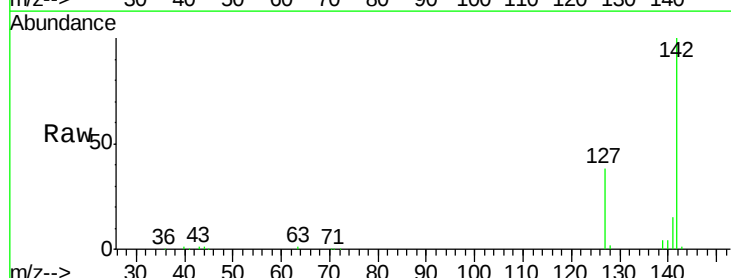
RT: 3.96 min Scan# 679

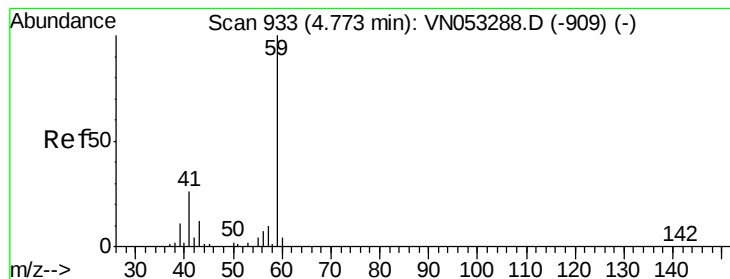
Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 287466 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.1  | 30.9  | 46.3   |
| 141       | 14.2  | 11.2  | 16.8   |





#11

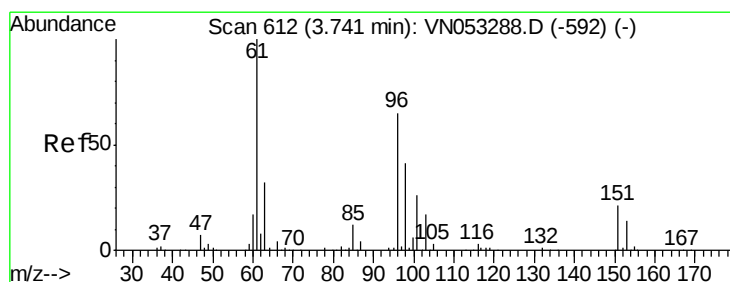
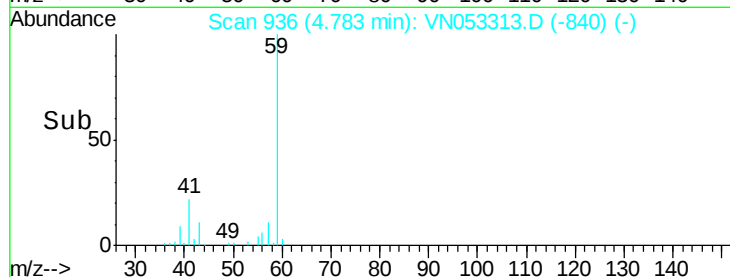
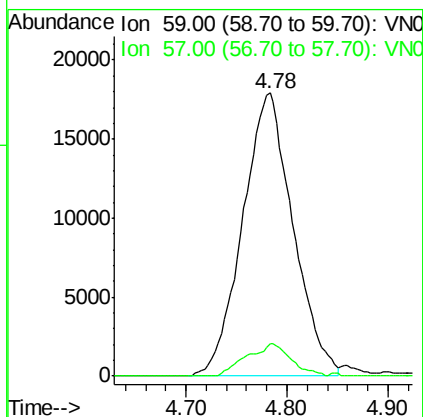
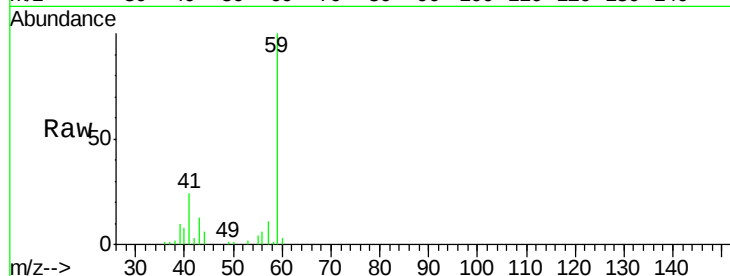
Tert butyl alcohol  
Concen: 93.538 ug/l  
RT: 4.78 min Scan# 936  
Delta R.T. 0.01 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

Tot Ion: 59 Resp: 62132  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.0 12.0

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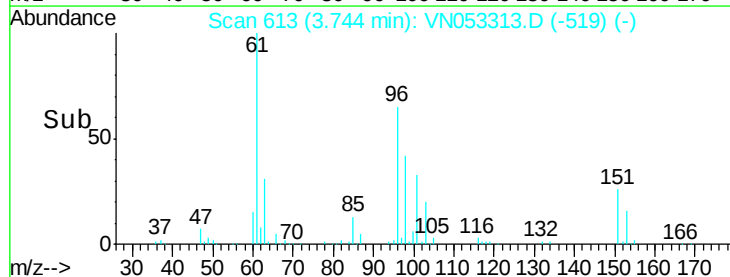
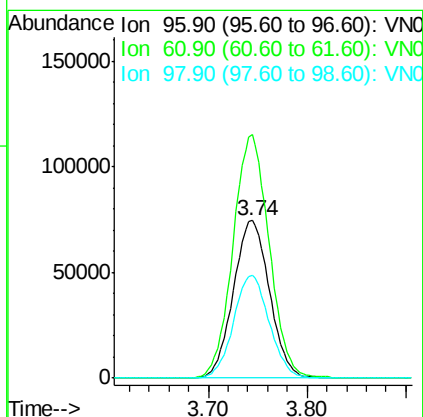
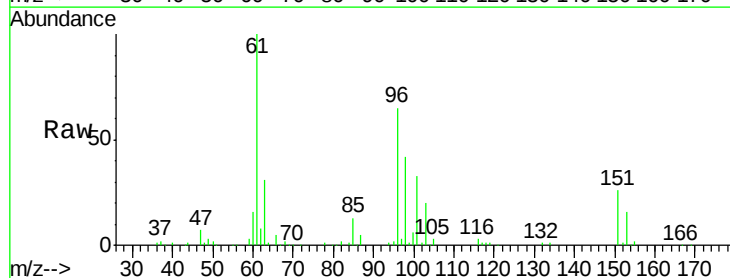
MMDadoda  
1/9/2019 10:57:51 AM

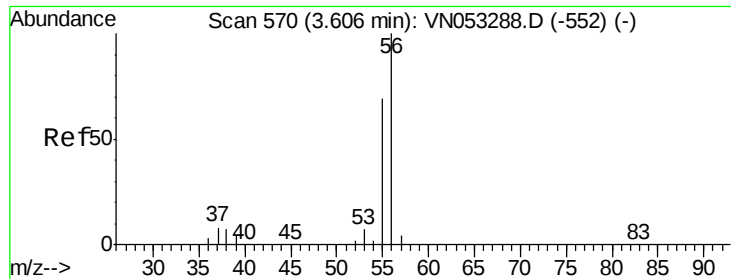


#12

1,1-Dichloroethene  
Concen: 19.192 ug/l  
RT: 3.74 min Scan# 613  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Tgt Ion: 96 Resp: 190087  
Ion Ratio Lower Upper  
96 100  
61 154.7 123.2 184.8  
98 65.4 50.5 75.7





#13

Acrolein

Concen: 93.255 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0108WBSD01

Tot Ion: 56 Resp: 77884

Ion Ratio Lower Upper

56 100

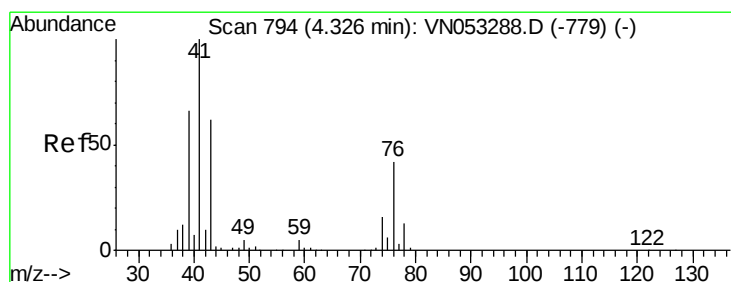
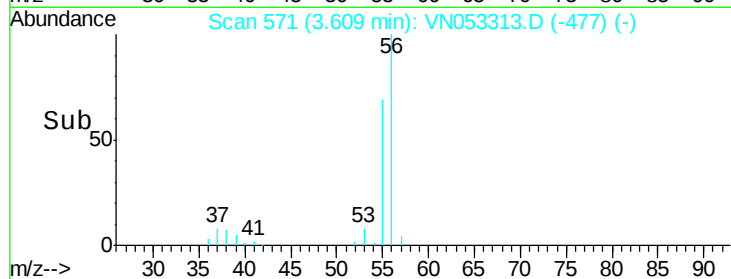
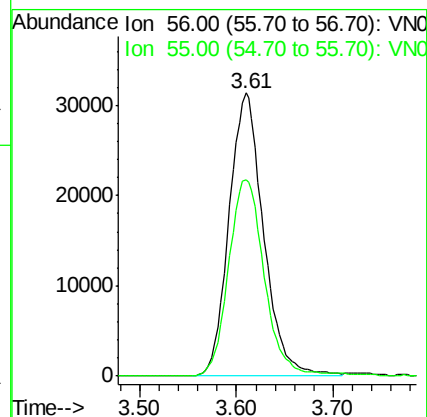
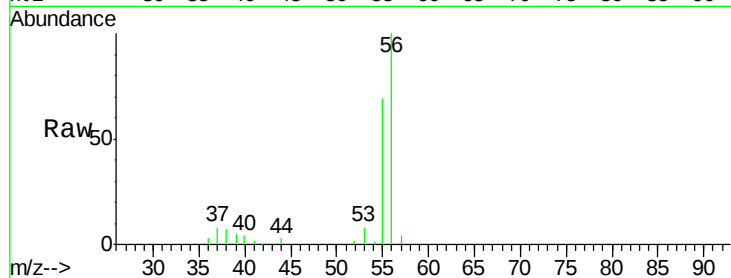
55 72.2 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.199 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

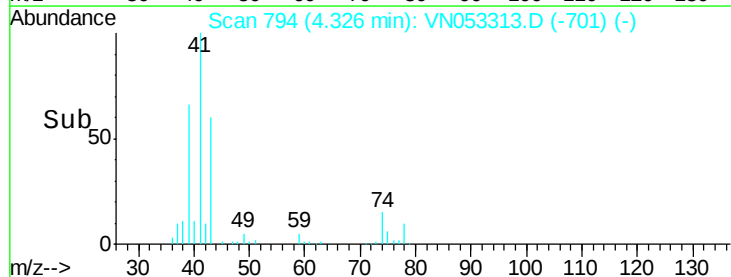
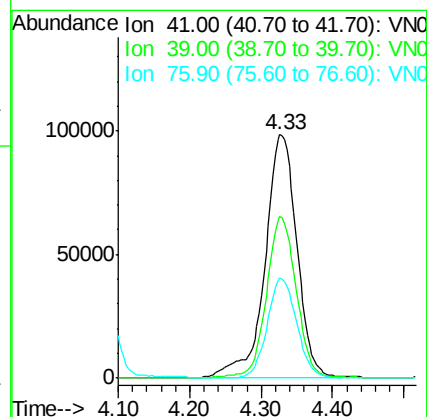
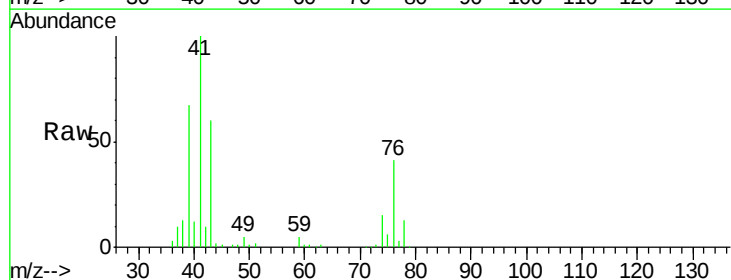
Tgt Ion: 41 Resp: 306488

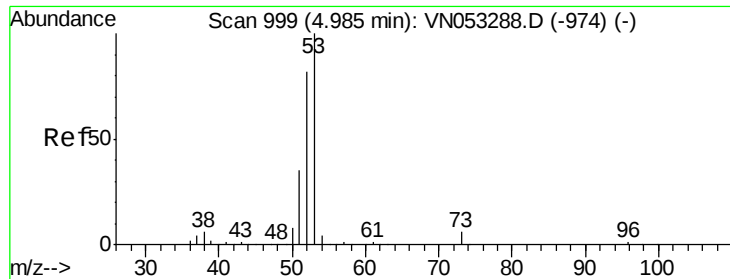
Ion Ratio Lower Upper

41 100

39 61.7 51.9 77.9

76 37.3 31.2 46.8





#15

Acrylonitrile

Concen: 91.687 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

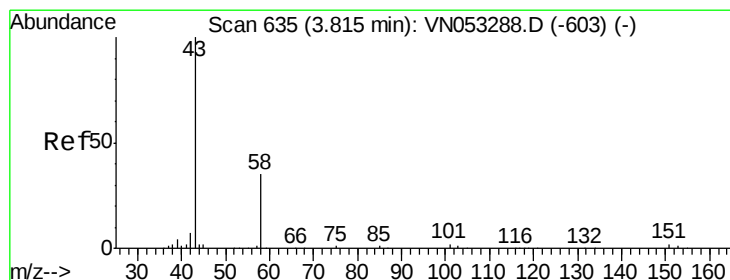
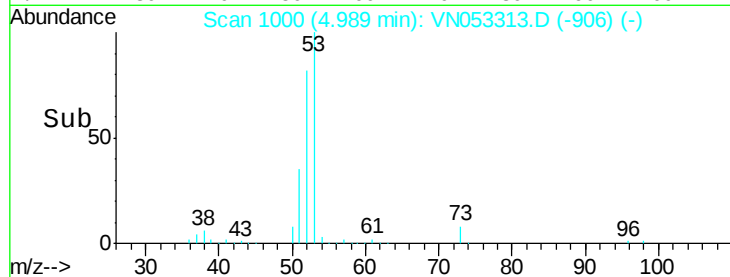
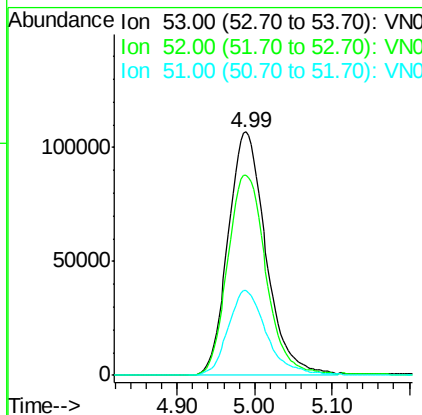
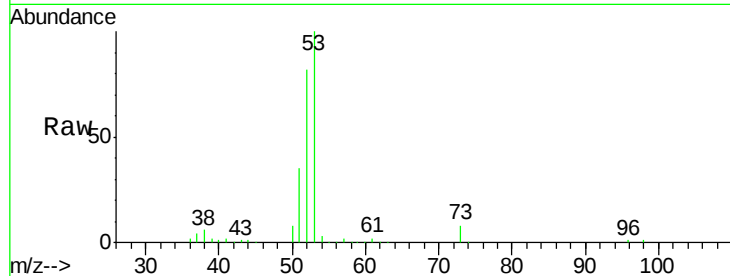
ClientSampled :

VN0108WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 363562 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.3  | 65.2  | 97.8   |
| 51        | 35.4  | 28.0  | 42.0   |

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#16

Acetone

Concen: 91.150 ug/l

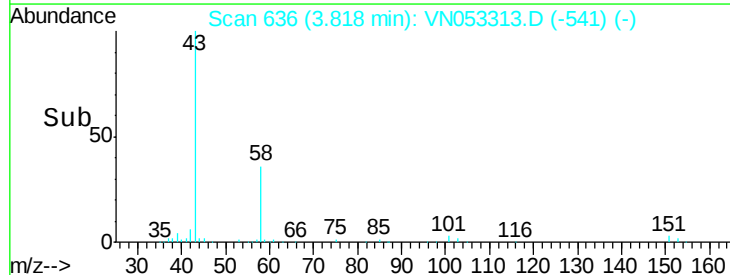
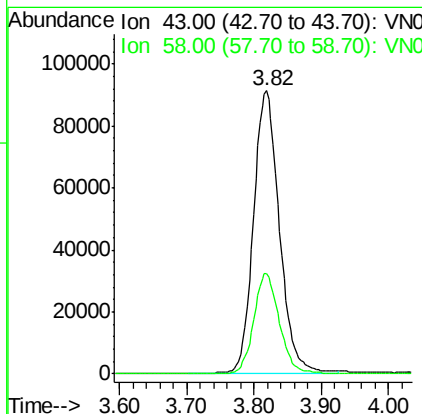
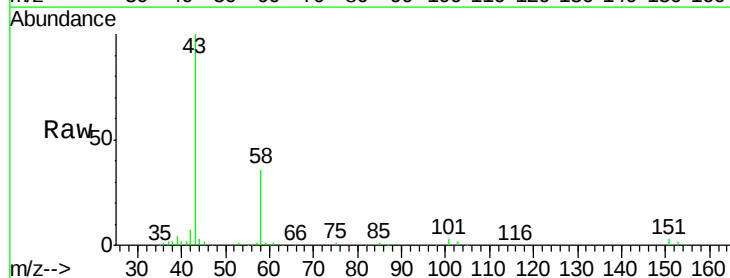
RT: 3.82 min Scan# 636

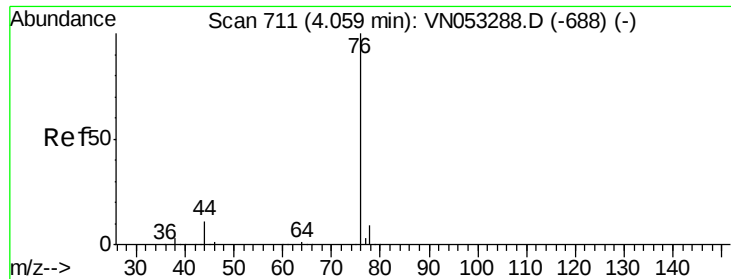
Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 246038 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 35.3  | 27.8  | 41.6   |





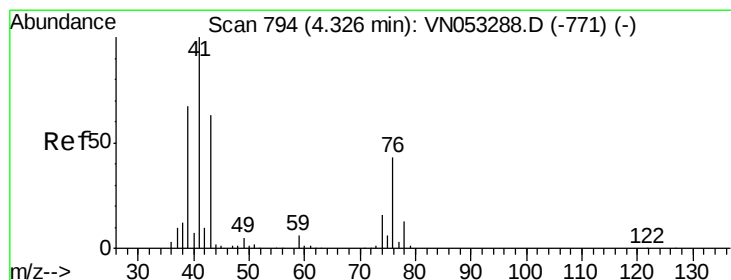
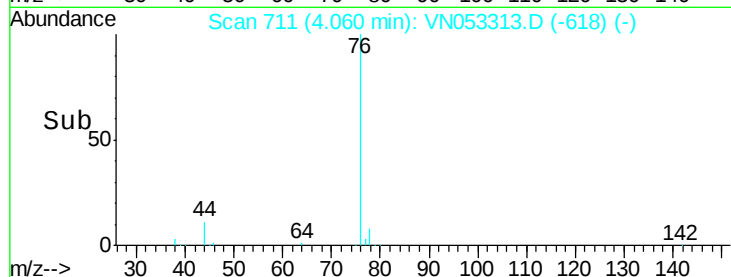
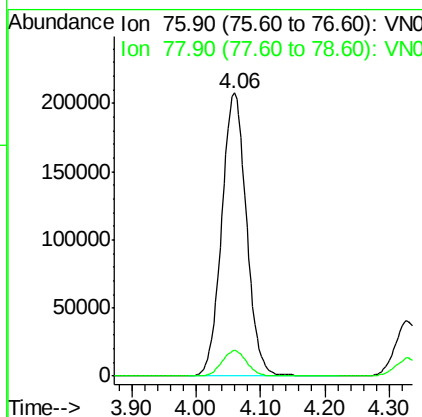
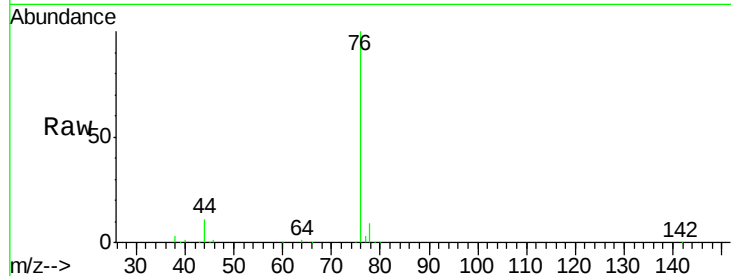
#17  
Carbon Disulfide  
Concen: 18.175 ug/l  
RT: 4.06 min Scan# 711  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.2   | 10.8  |

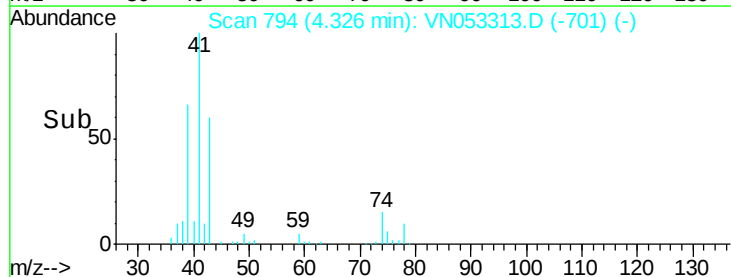
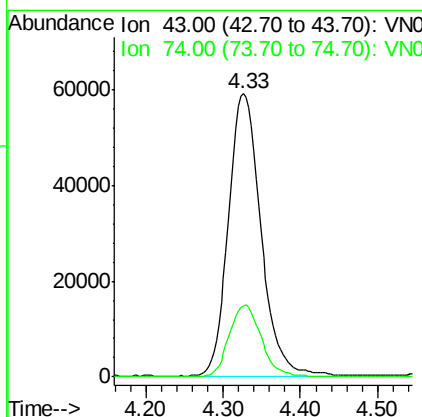
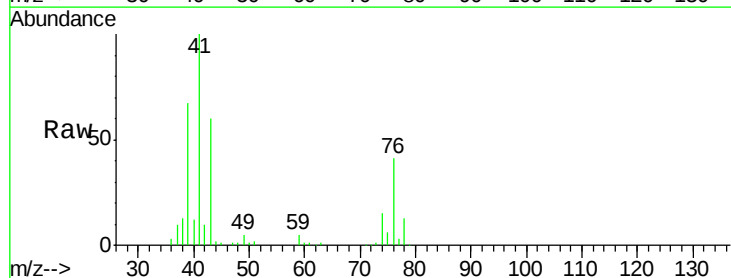
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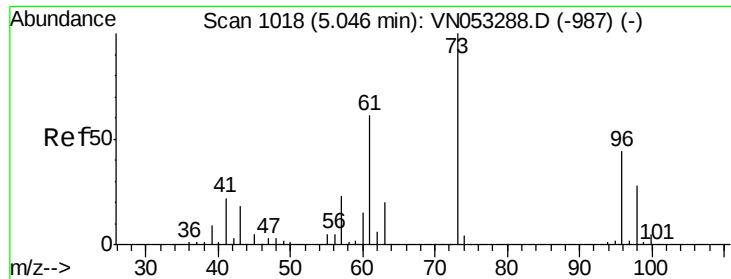
MMDadoda  
1/9/2019 10:57:51 AM



#18  
Methyl Acetate  
Concen: 17.166 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.1  | 19.8  | 29.8  |





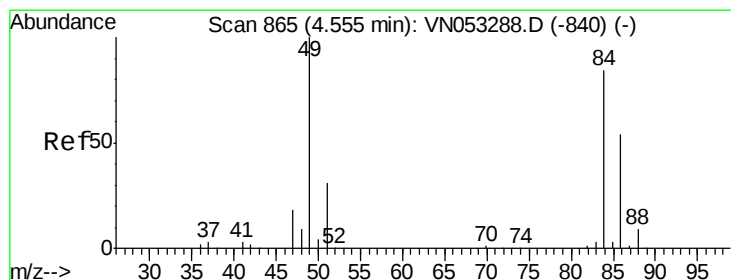
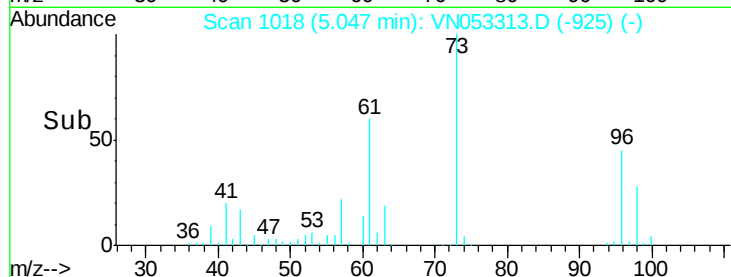
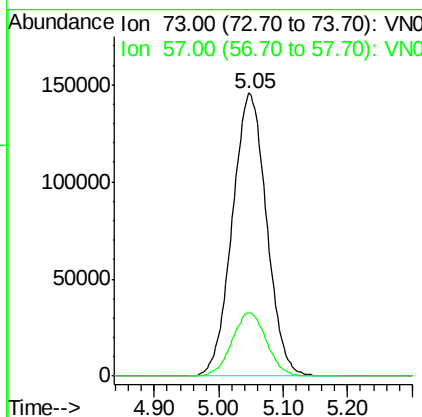
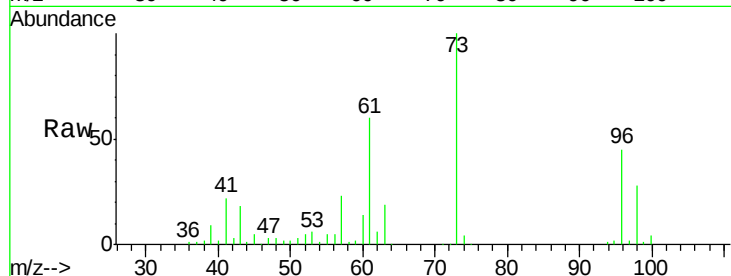
#19  
Methvl tert-butvl Ether  
Concen: 19.365 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

Tot Ion: 73 Resp: 538297  
Ion Ratio Lower Upper  
73 100  
57 22.5 18.5 27.7

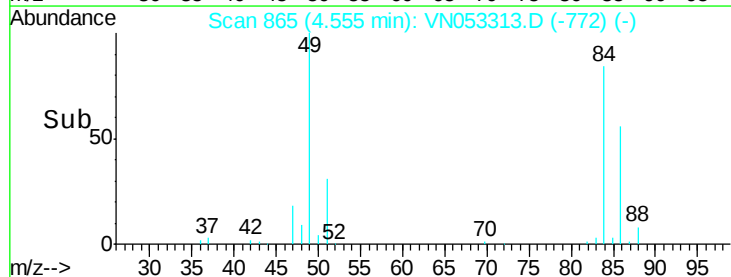
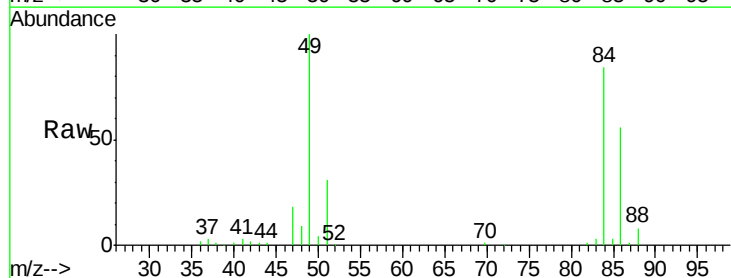
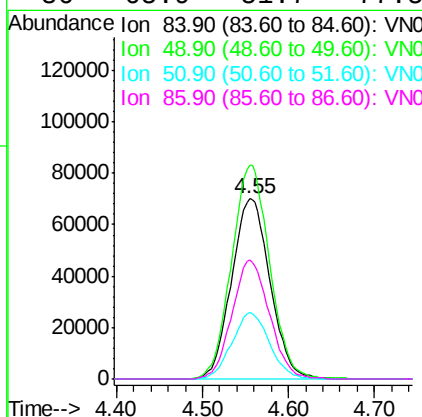
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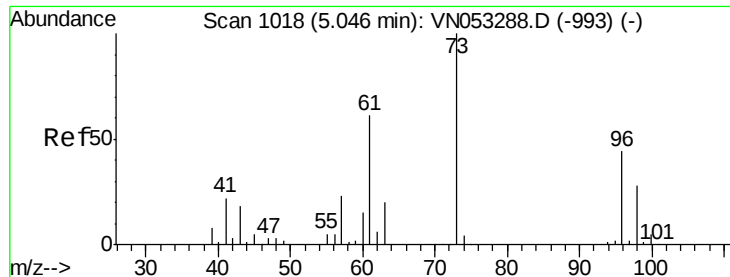
MMDadoda  
1/9/2019 10:57:51 AM



#20  
Methylene Chloride  
Concen: 18.357 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Tgt Ion: 84 Resp: 217734  
Ion Ratio Lower Upper  
84 100  
49 118.5 95.3 142.9  
51 36.7 29.0 43.6  
86 65.9 51.7 77.5





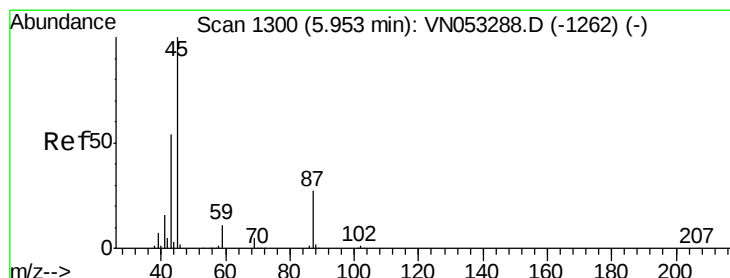
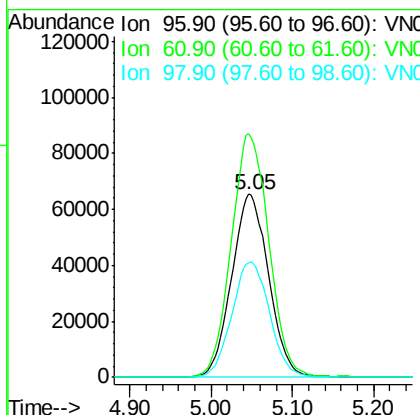
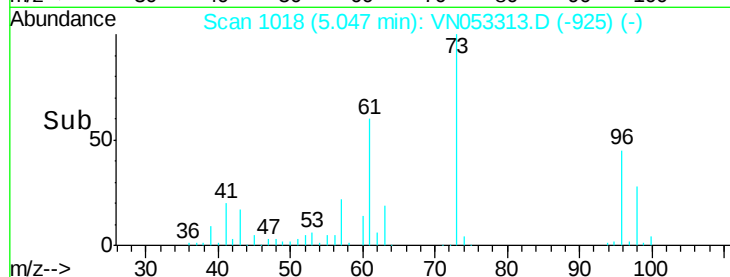
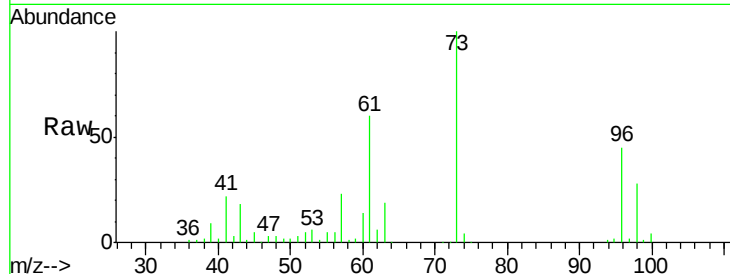
#21  
trans-1,2-Dichloroethene  
Concen: 19.444 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 132.6 | 110.2 | 165.4 |
| 98      | 62.7  | 50.7  | 76.1  |

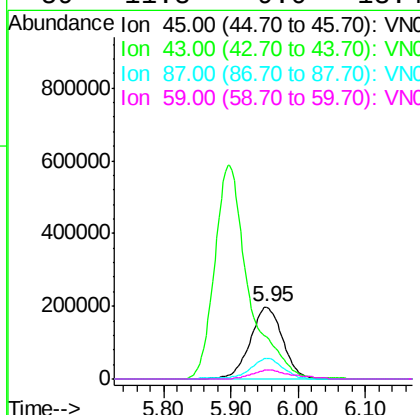
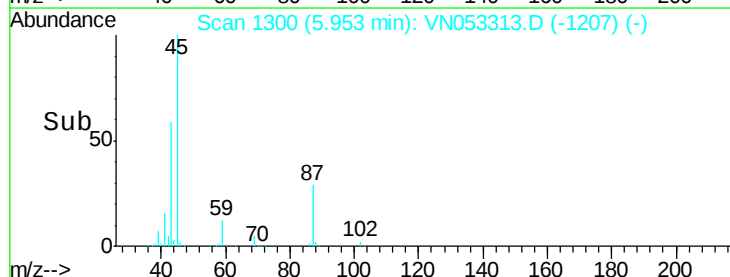
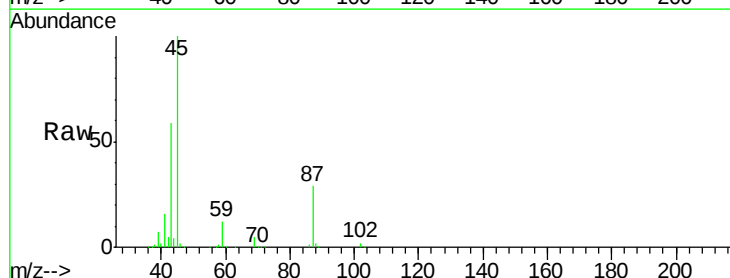
Manual Integrations  
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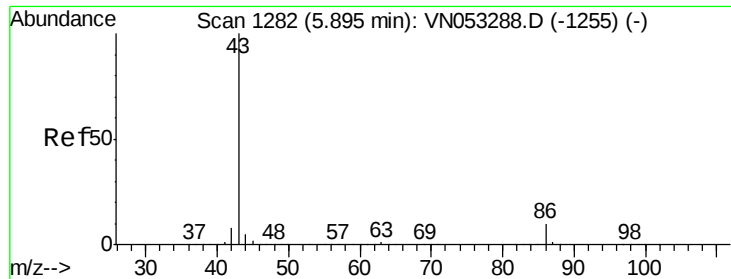
MMDadoda  
1/9/2019 10:57:51 AM



#22  
Diisopropyl ether  
Concen: 19.327 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 57.4  | 43.0  | 64.6  |
| 87      | 29.2  | 22.1  | 33.1  |
| 59      | 11.8  | 9.0   | 13.4  |





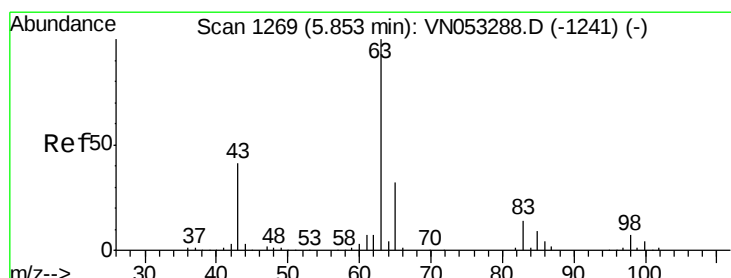
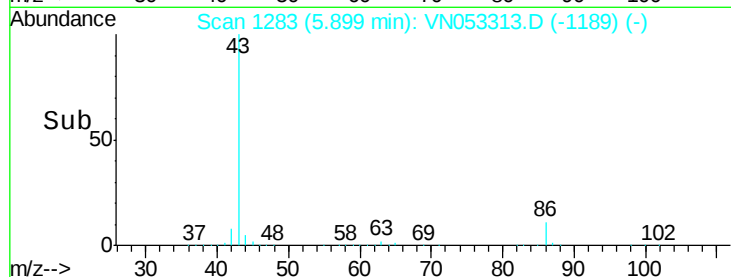
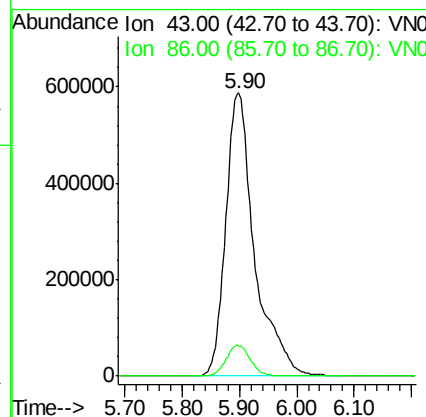
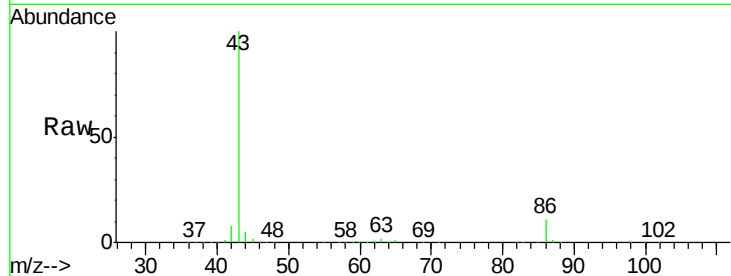
#23  
 Vinyl Acetate  
 Concen: 94.987 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0108WBSD01

Tot Ion: 43 Resp: 2055388  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 8.4 12.6

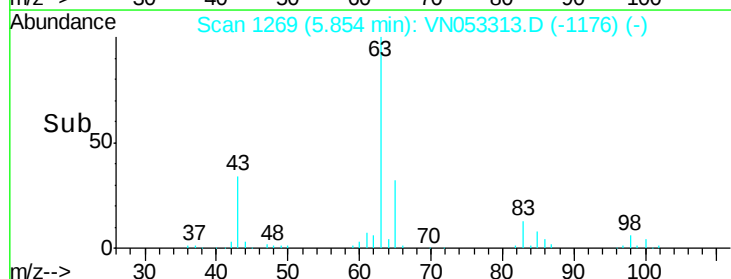
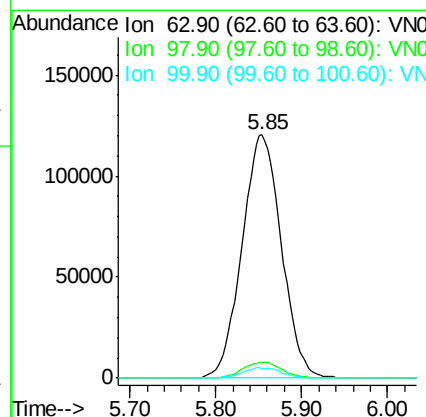
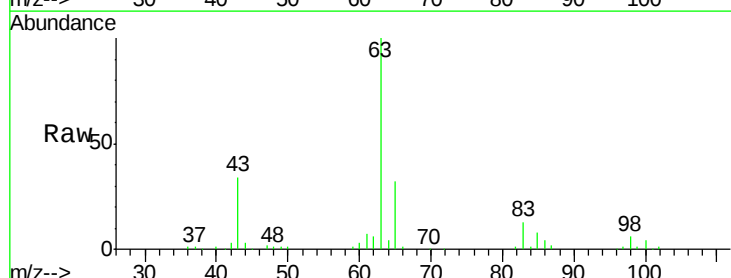
Manual Integrations  
 APPROVED

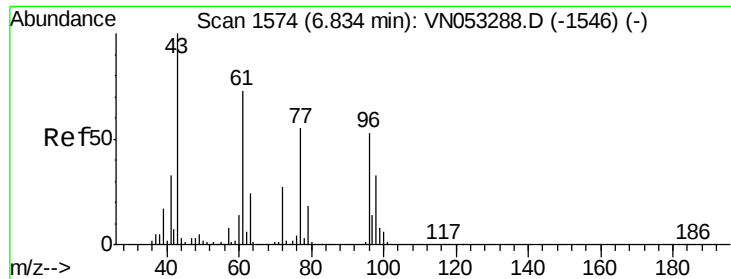
MMDadoda  
 1/9/2019 10:57:51 AM



#24  
 1,1-Dichloroethane  
 Concen: 19.290 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Tgt Ion: 63 Resp: 382603  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.3 9.8  
 100 4.0 2.1 6.5





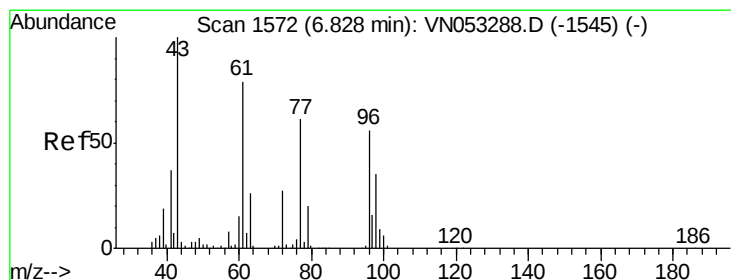
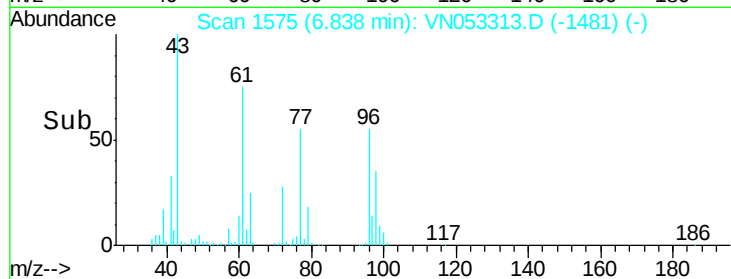
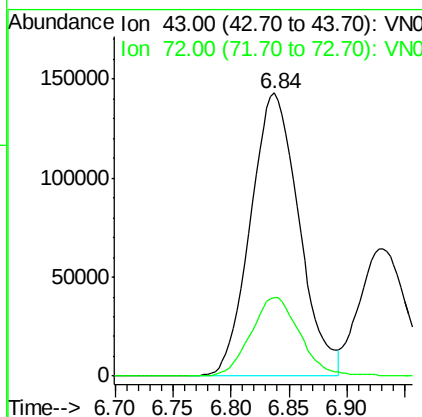
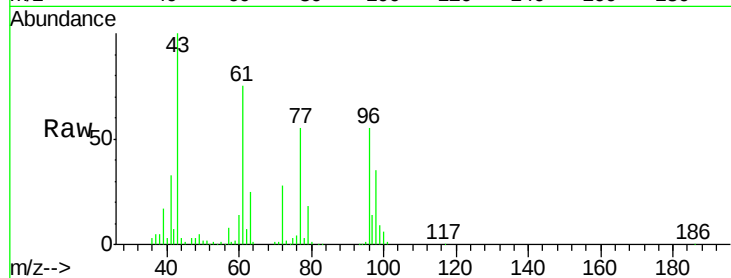
#25  
2-Butanone  
Concen: 91.420 ug/l  
RT: 6.84 min Scan# 1575  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

Tot Ion: 43 Resp: 414201  
Ion Ratio Lower Upper  
43 100  
72 28.0 22.0 33.0

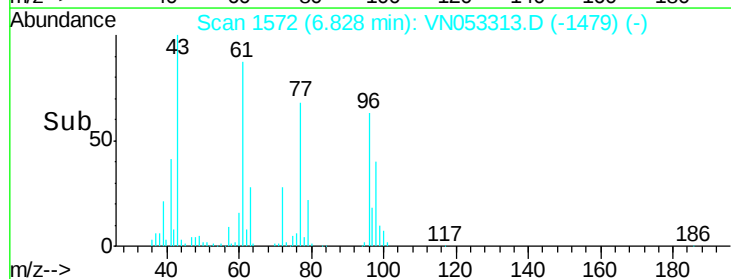
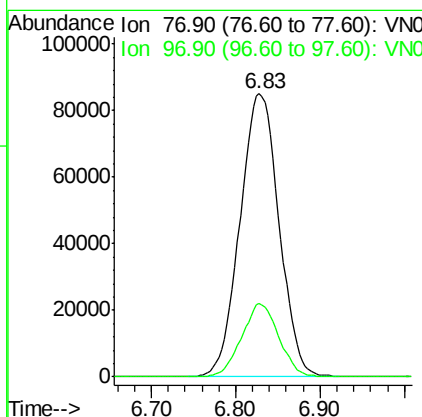
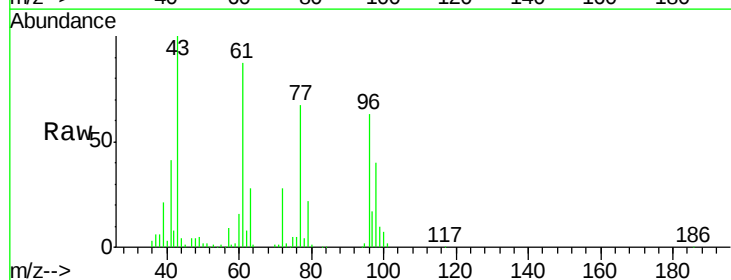
Manual Integrations  
APPROVED

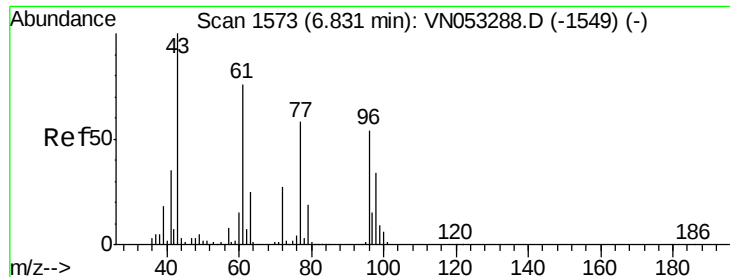
MMDadoda  
1/9/2019 10:57:51 AM



#26  
2,2-Dichloropropane  
Concen: 18.875 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Tgt Ion: 77 Resp: 273671  
Ion Ratio Lower Upper  
77 100  
97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 19.533 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

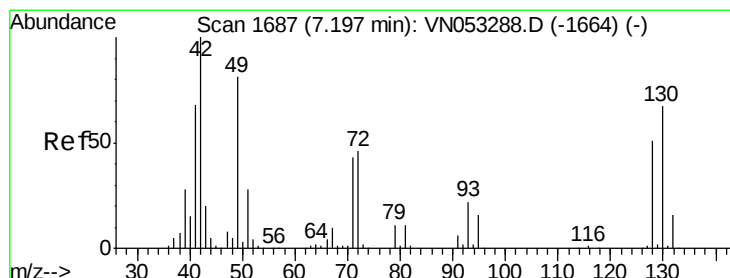
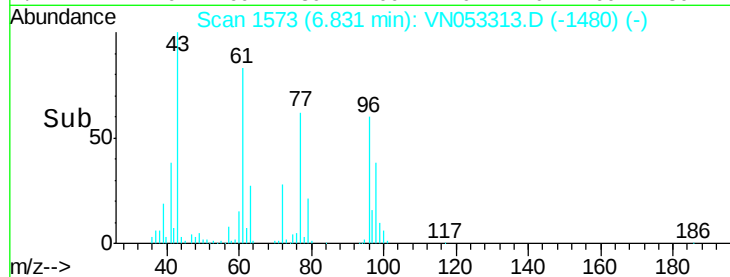
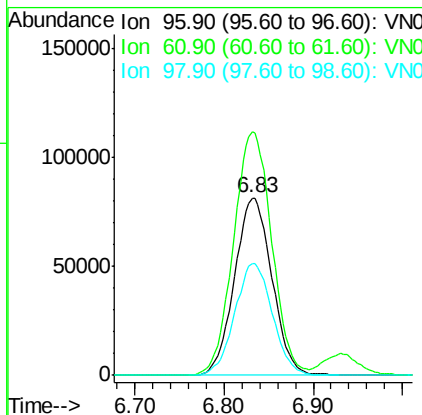
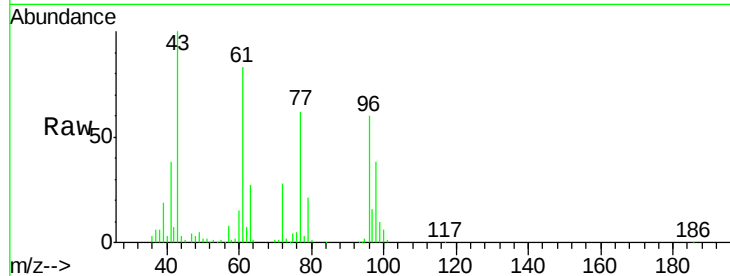
ClientSampled :

VN0108WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 237217 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 139.7 | 0.0   | 280.6  |
| 98        | 63.4  | 0.0   | 127.6  |

Manual Integrations  
APPROVED

MMDadoda  
1/9/2019 10:57:51 AM



#28

Bromochloromethane

Concen: 19.078 ug/l

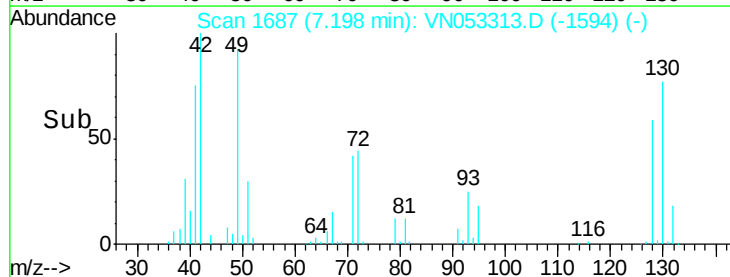
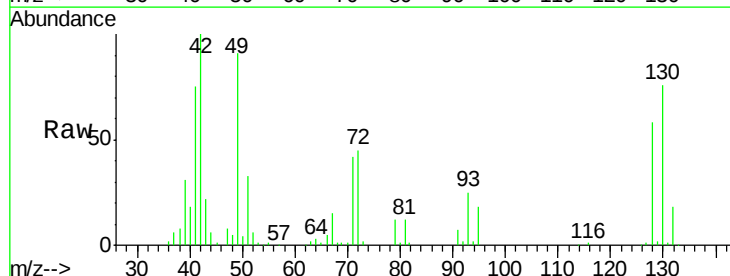
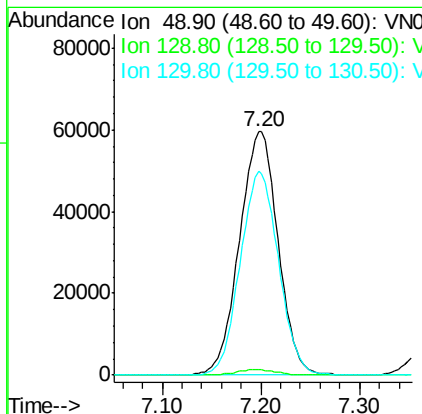
RT: 7.20 min Scan# 1687

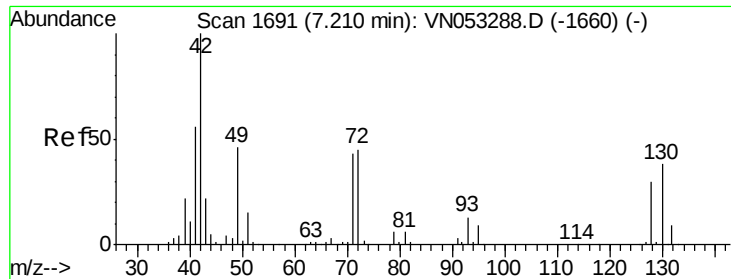
Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 161251 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 2.3   | 0.0   | 3.8    |
| 130       | 83.2  | 65.4  | 98.0   |





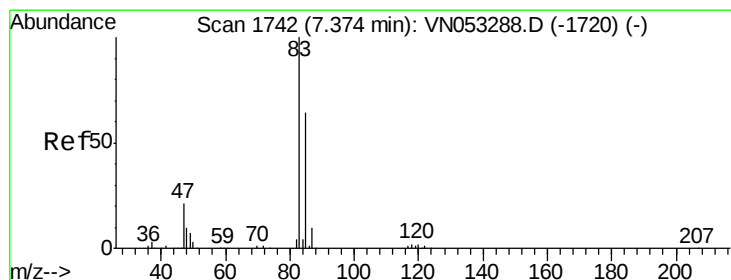
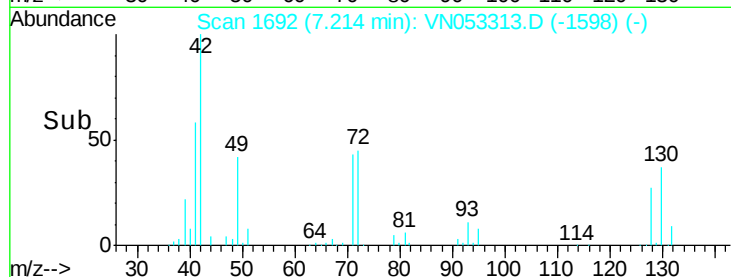
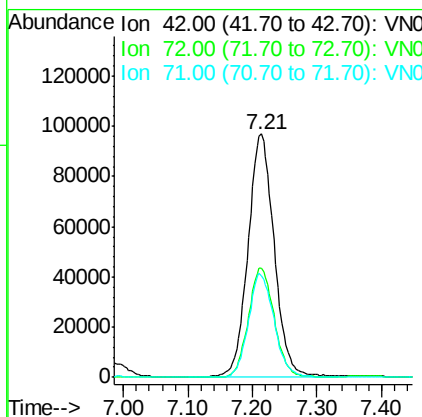
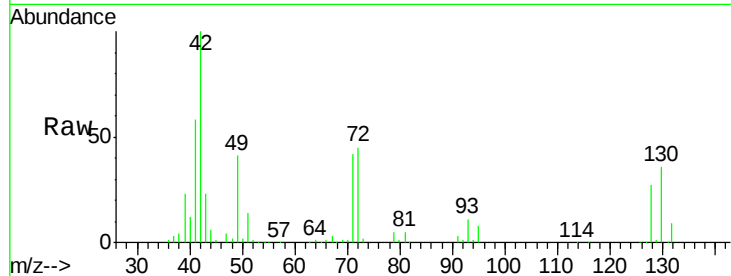
#29  
Tetrahydrofuran  
Concen: 92.138 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.2  | 35.6  | 53.4  |
| 71      | 41.4  | 33.8  | 50.8  |

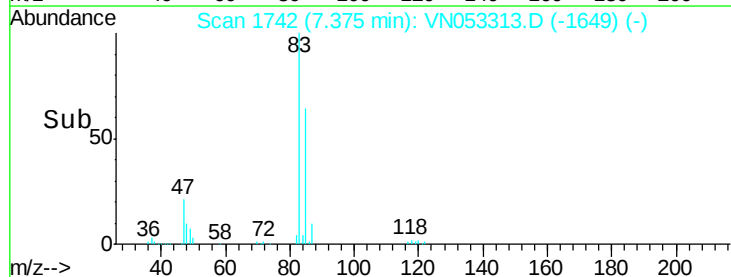
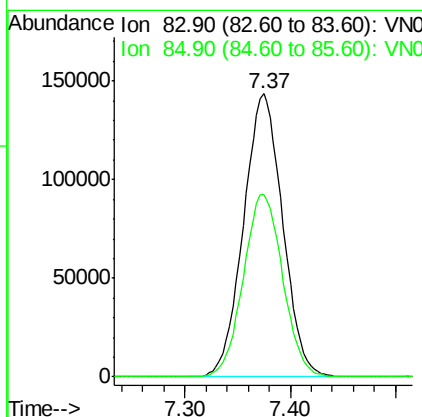
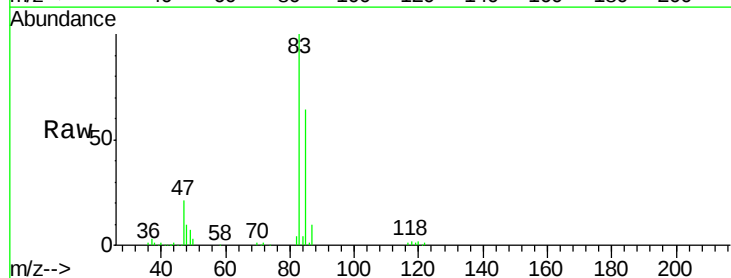
Manual Integrations  
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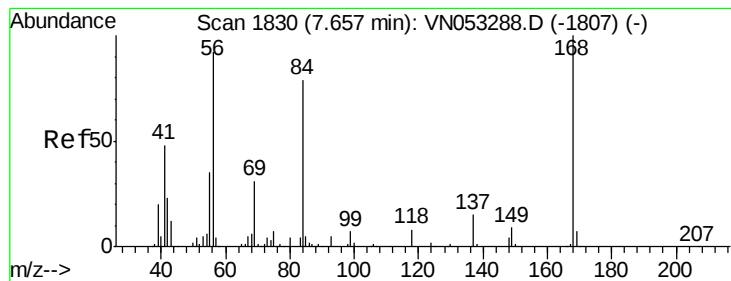
MMDadoda  
1/9/2019 10:57:51 AM



#30  
Chloroform  
Concen: 18.983 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.4  | 51.3  | 76.9  |





#31

Cyclohexane

Concen: 19.186 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

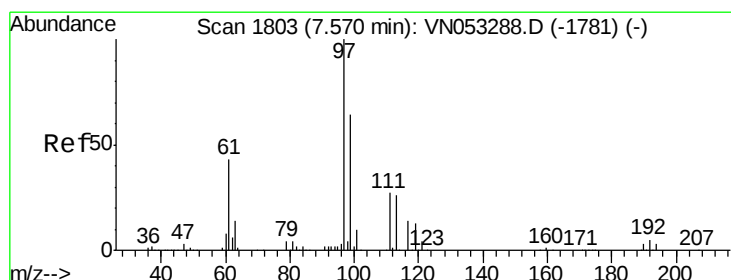
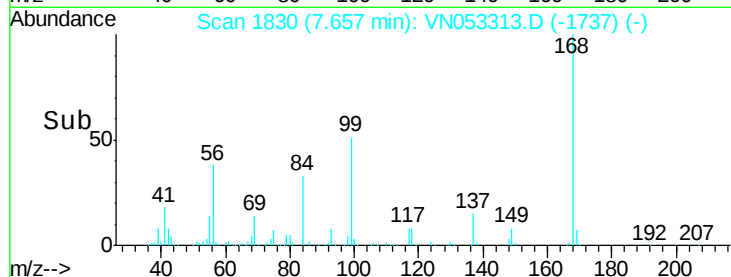
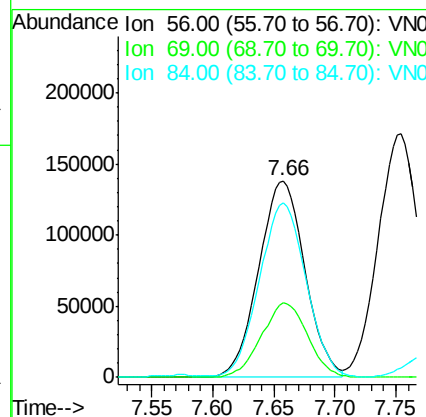
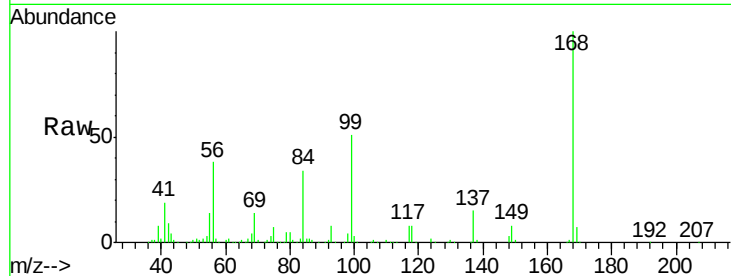
ClientSampled :

VN0108WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 363883 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 38.0  | 26.7  | 40.1   |
| 84        | 87.7  | 68.2  | 102.4  |

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1/9/2019 10:57:51 AM



#32

1,1,1-Trichloroethane

Concen: 18.920 ug/l

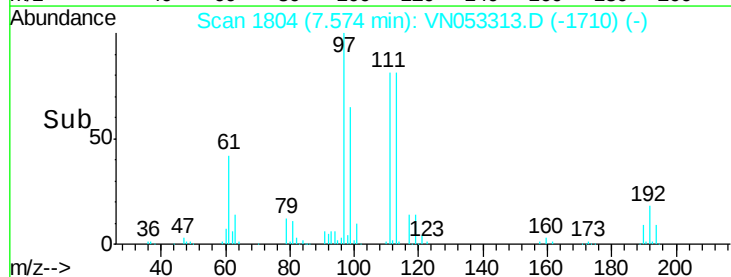
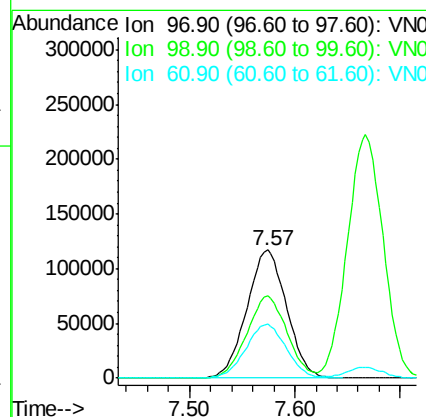
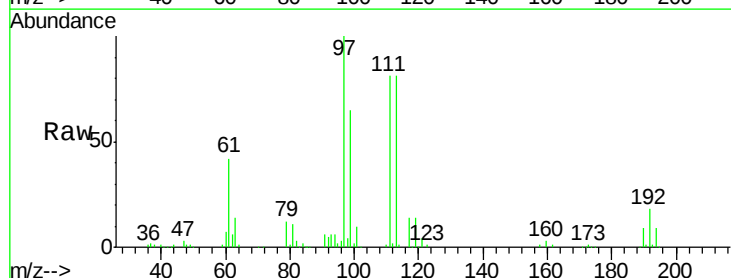
RT: 7.57 min Scan# 1804

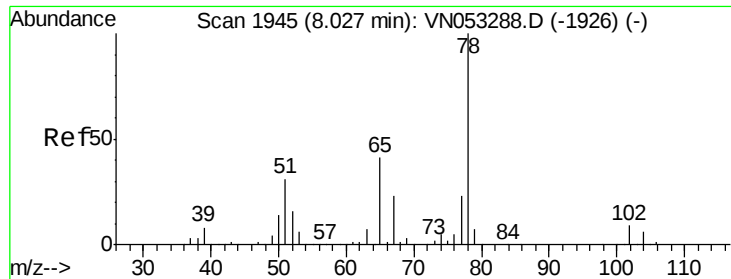
Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 307796 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.3  | 51.6  | 77.4   |
| 61        | 42.6  | 34.6  | 52.0   |





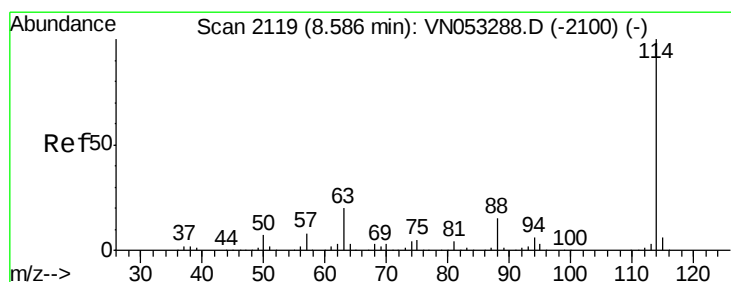
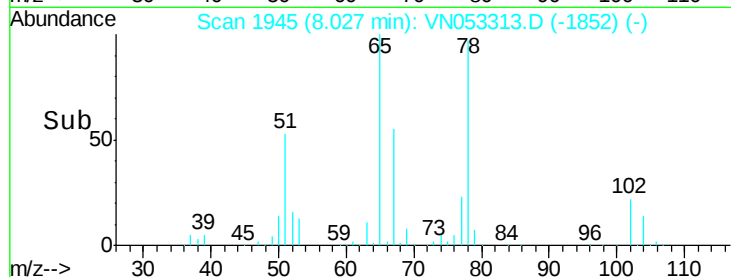
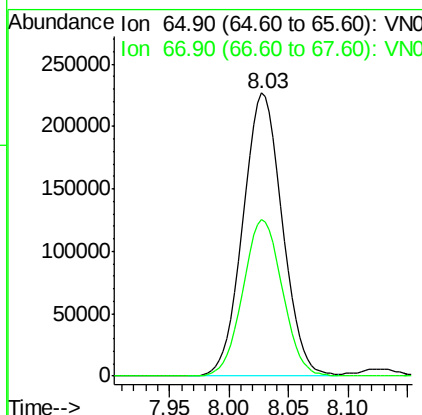
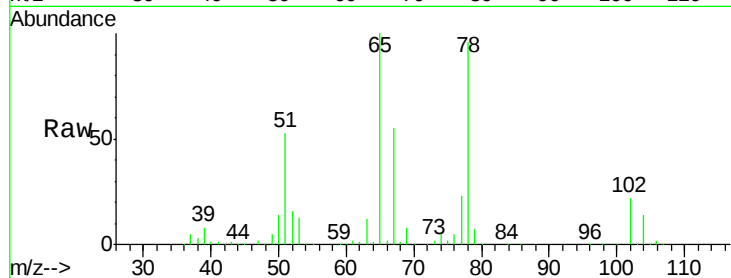
#33  
 1,2-Dichloroethane-d4  
 Concen: 18.920 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0108WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 55.5  | 0.0  |       | 111.0 |

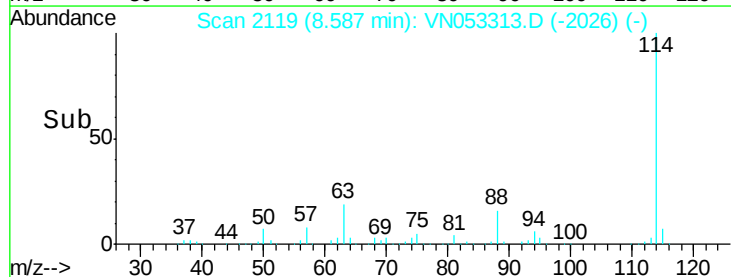
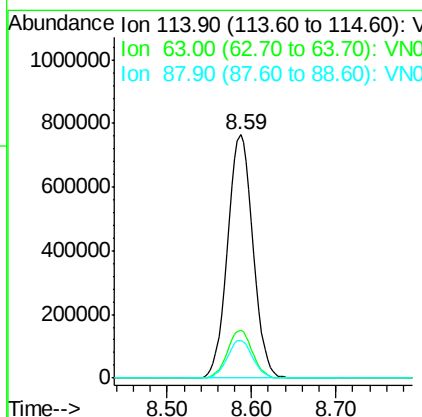
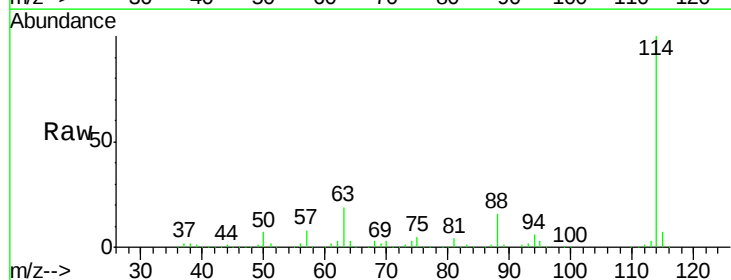
Manual Integrations  
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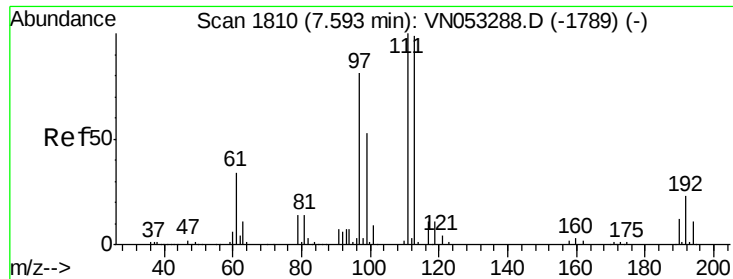
MMDadoda  
 1/9/2019 10:57:51 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 19.5  | 0.0  |       | 39.0  |
| 88      | 15.6  | 0.0  |       | 30.8  |





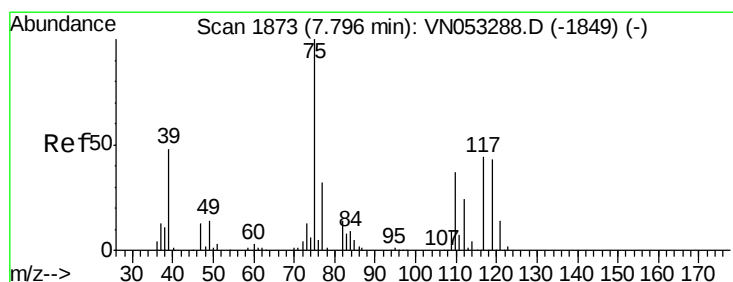
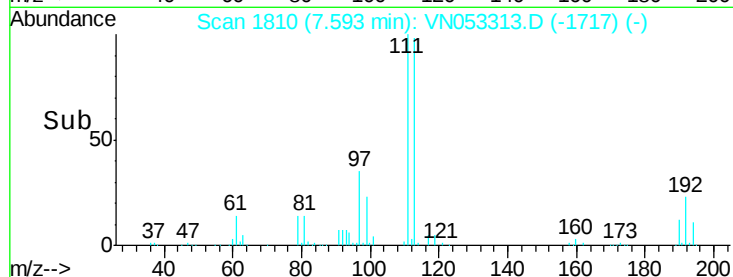
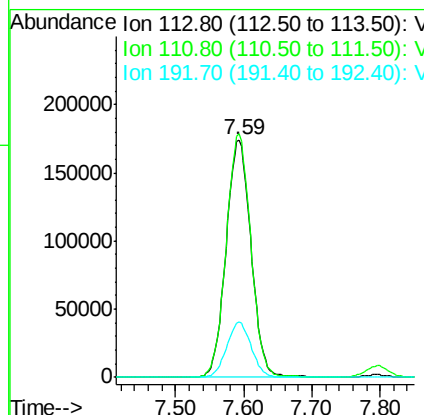
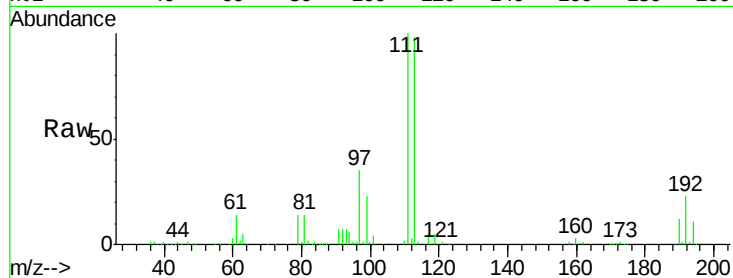
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.4 | 81.4  | 122.2 |
| 192     | 22.8  | 17.9  | 26.9  |

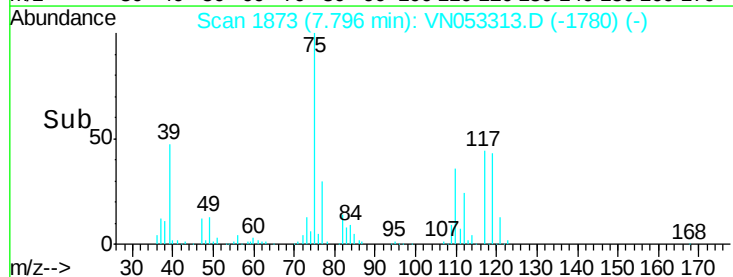
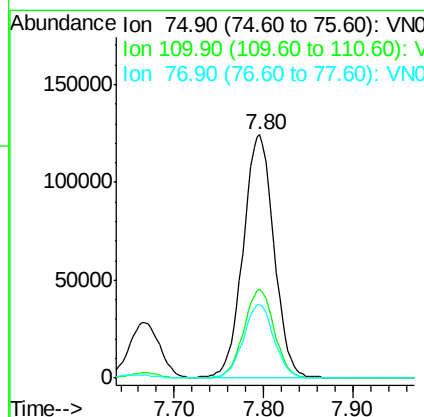
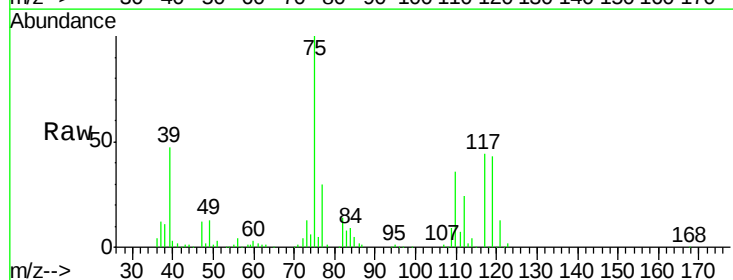
Manual Integrations  
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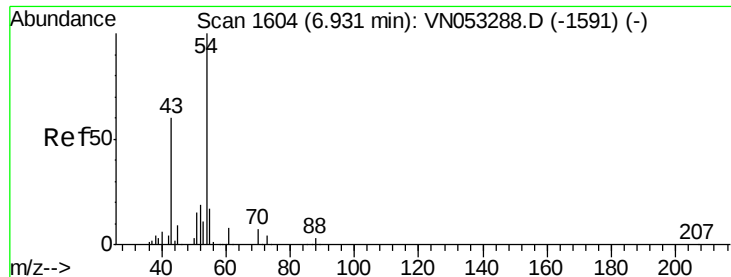
MMDadoda  
1/9/2019 10:57:51 AM



#36  
1,1-Dichloropropene  
Concen: 19.989 ug/l  
RT: 7.80 min Scan# 1873  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.1  | 18.4  | 55.0  |
| 77      | 30.4  | 25.3  | 37.9  |





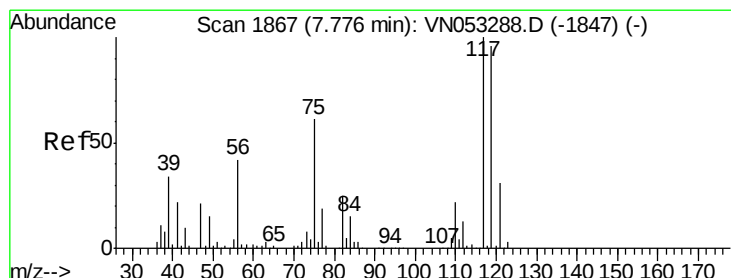
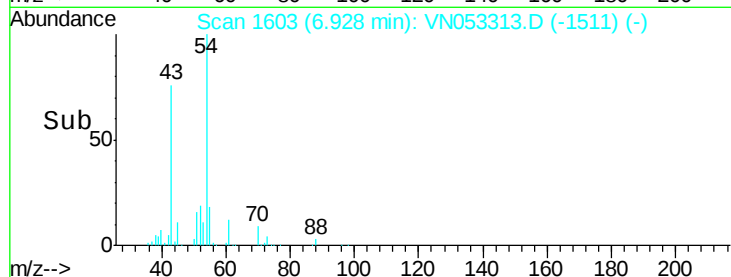
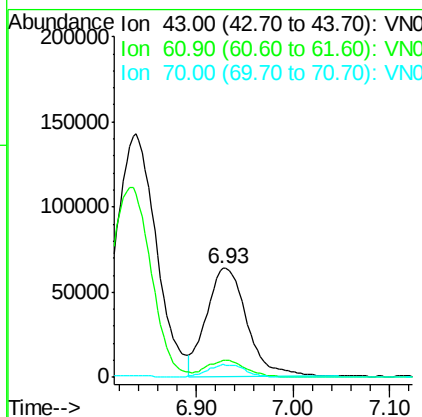
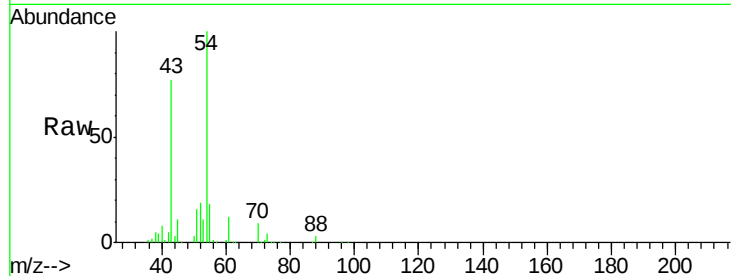
#37  
Ethyl Acetate  
Concen: 19.063 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 185114 |       |       |
| 61      | 14.9  |        | 11.9  | 17.9  |
| 70      | 11.2  |        | 8.6   | 13.0  |

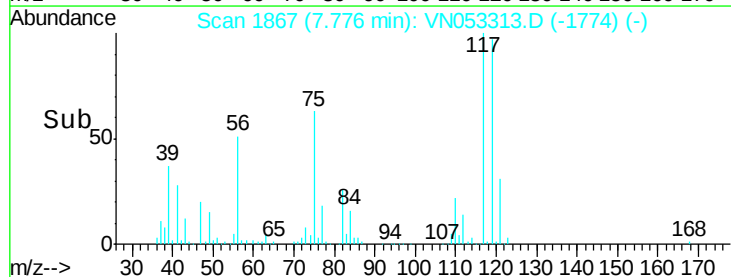
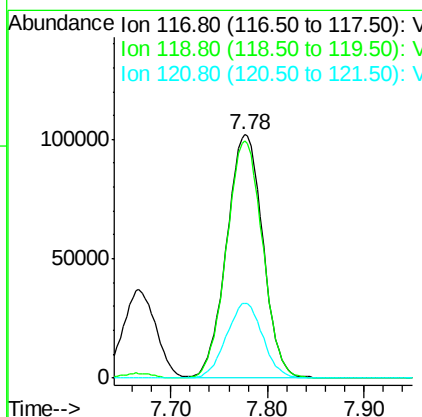
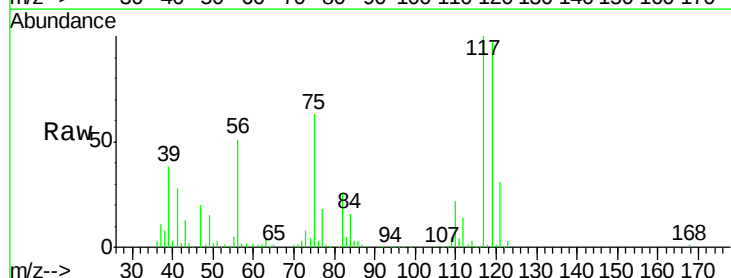
Manual Integrations  
APPROVED

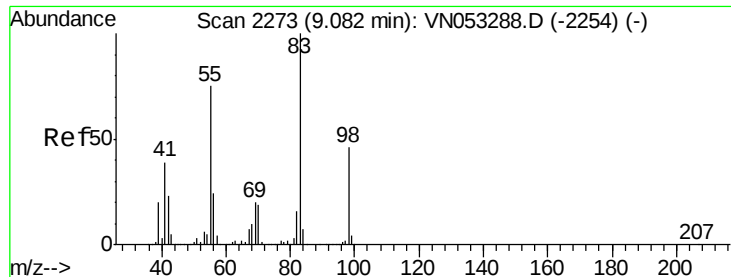
MMDadoda  
1/9/2019 10:57:51 AM



#38  
Carbon Tetrachloride  
Concen: 19.230 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 264613 |       |       |
| 119     | 97.3  |        | 76.6  | 115.0 |
| 121     | 30.8  |        | 25.0  | 37.4  |





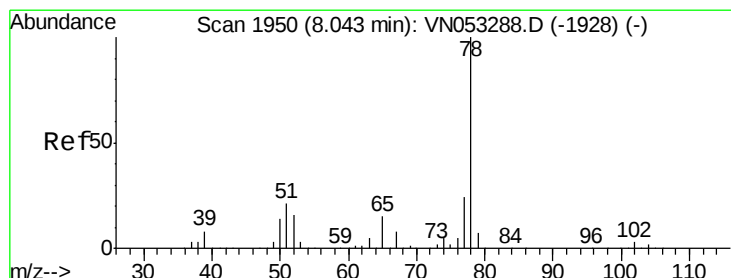
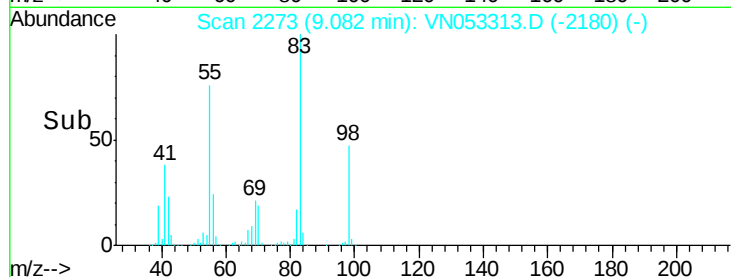
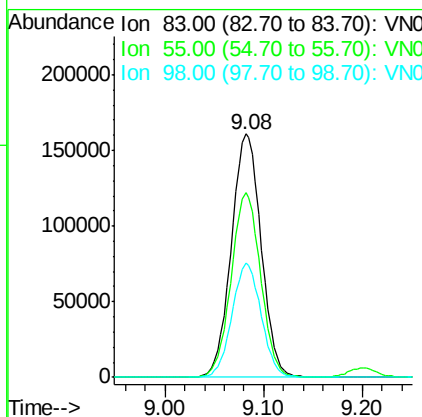
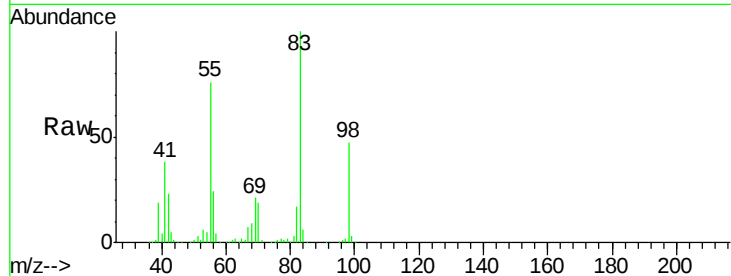
#39  
Methvlcvclohexane  
Concen: 19.610 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.5  | 60.1  | 90.1  |
| 98      | 46.9  | 36.7  | 55.1  |

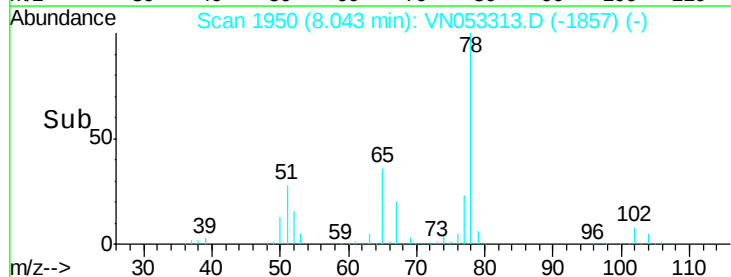
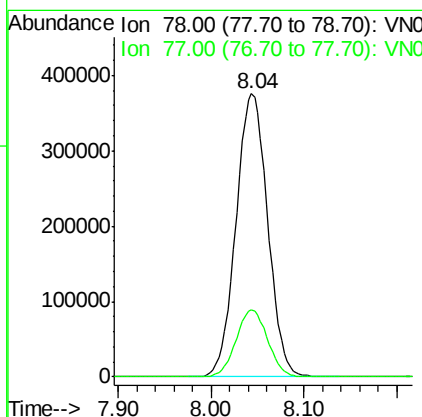
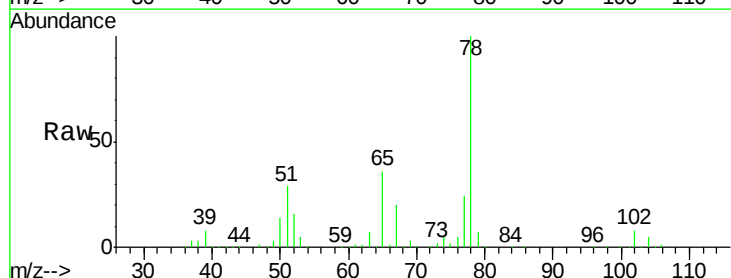
Manual Integrations  
APPROVED

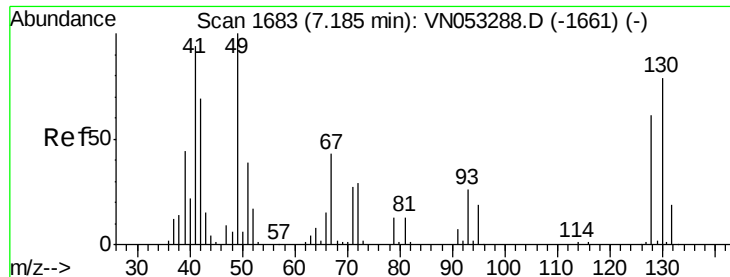
MMDadoda  
1/9/2019 10:57:51 AM



#40  
Benzene  
Concen: 19.536 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 19.0  | 28.4  |





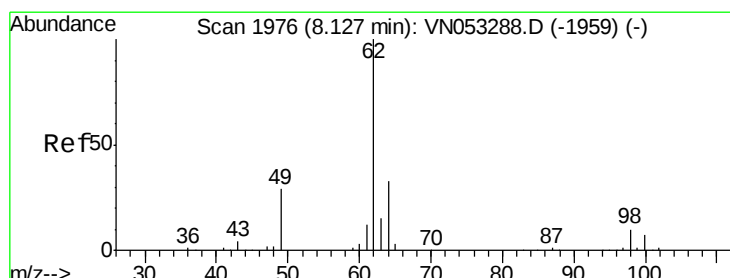
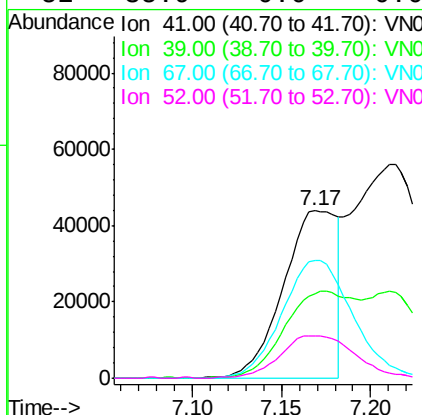
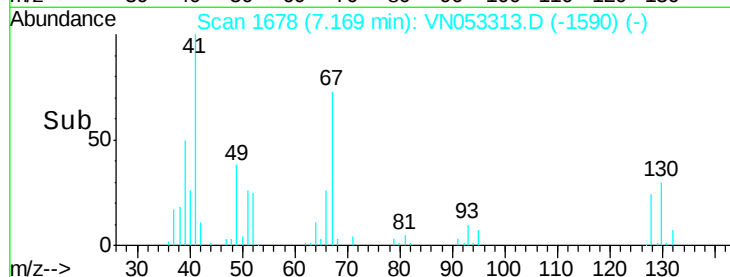
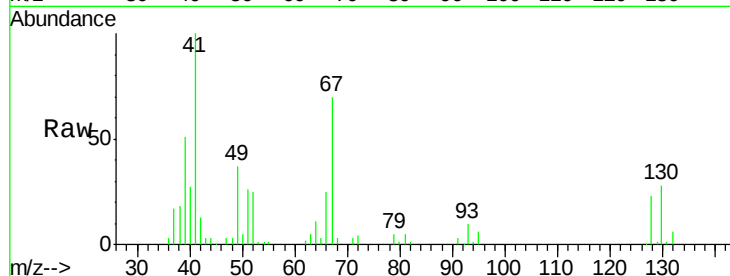
#41  
Methacrylonitrile  
Concen: 15.261 ug/l  
RT: 7.17 min Scan# 1678  
Delta R.T. -0.02 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0108WBSD01

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 68.9 | 0.0   | 0.0# |       |       |
| 67      | 93.7 | 0.0   | 0.0# |       |       |
| 52      | 35.9 | 0.0   | 0.0# |       |       |

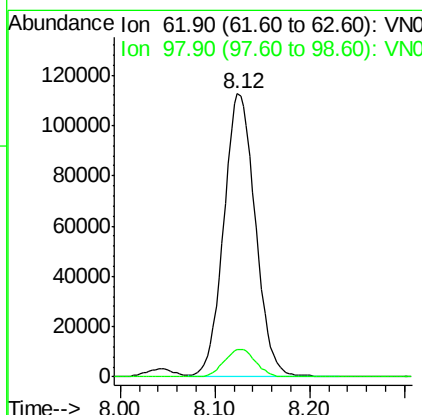
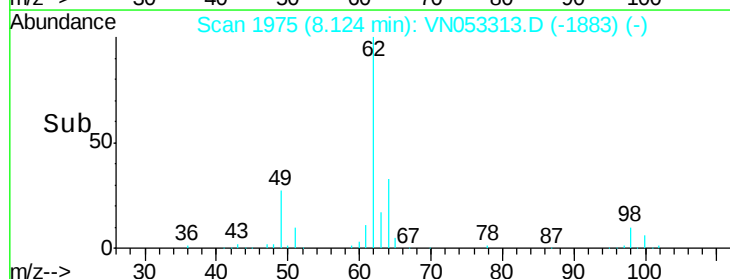
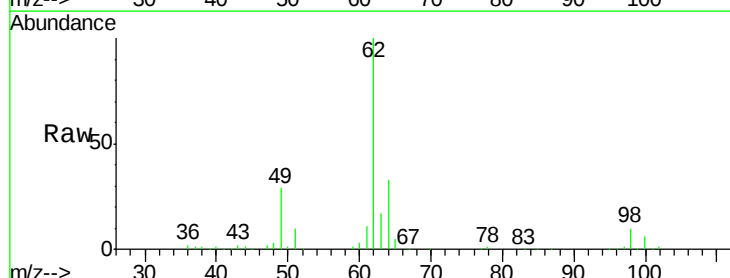
Manual Integrations  
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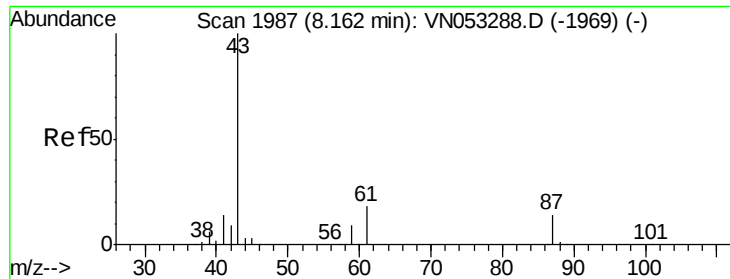
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 19.246 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 9.8 | 0.0   | 20.2 |       |       |





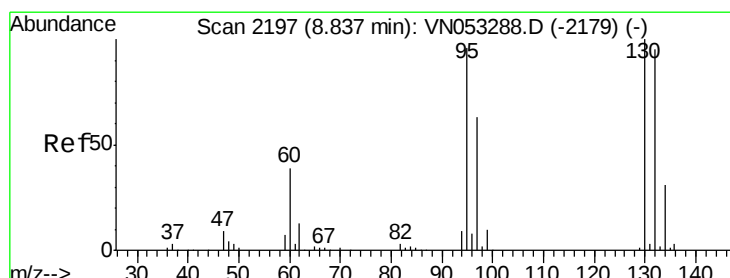
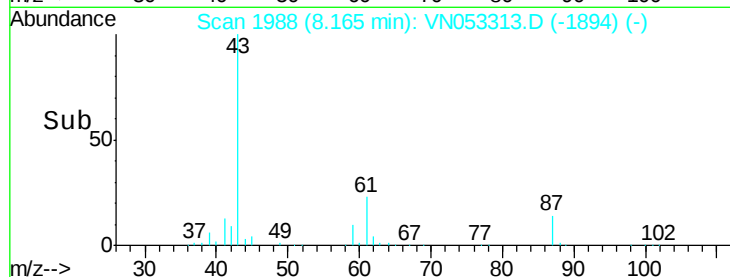
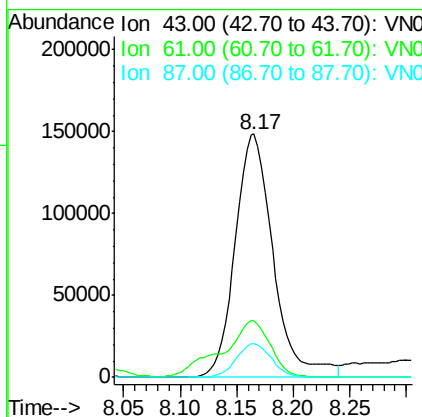
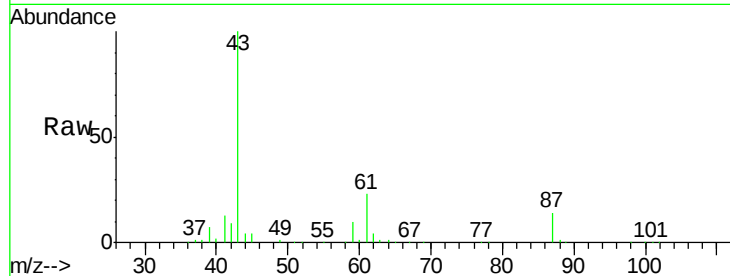
#43  
Isopropyl Acetate  
Concen: 18.123 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 29.2  | 23.3  | 34.9  |
| 87      | 12.9  | 10.8  | 16.2  |

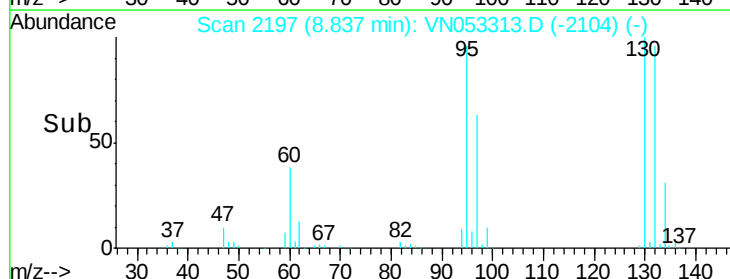
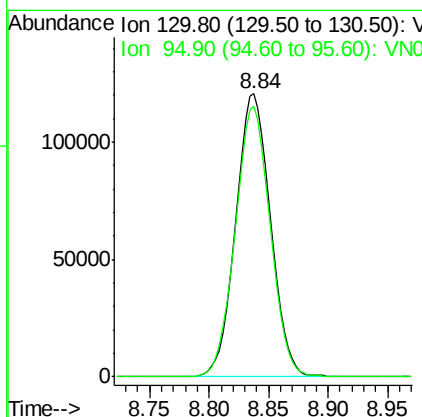
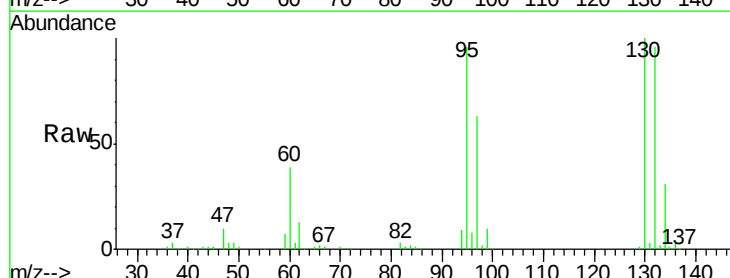
Manual Integrations  
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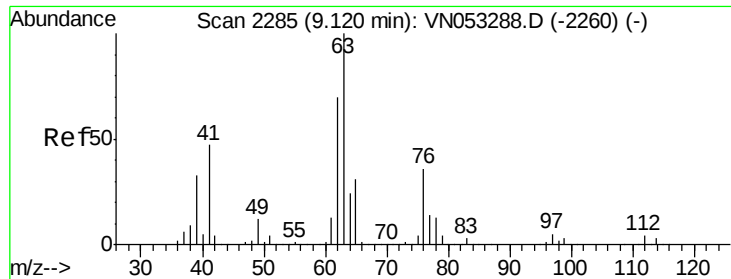
MMDadoda  
1/9/2019 10:57:51 AM



#44  
Trichloroethene  
Concen: 19.583 ug/l  
RT: 8.84 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 95.3  | 0.0   | 191.8 |





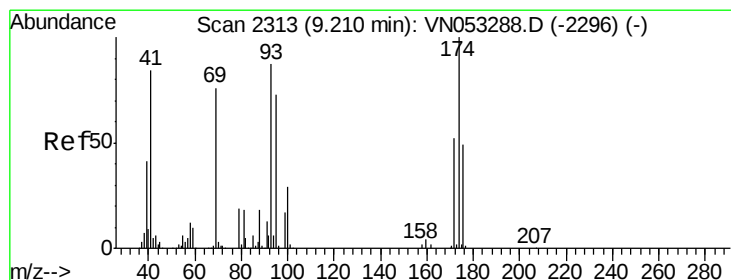
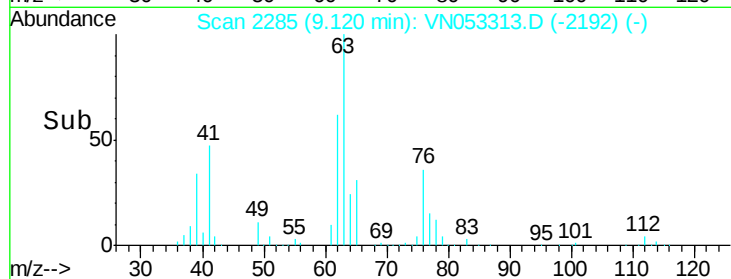
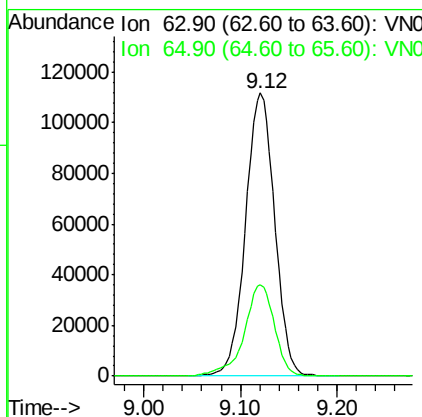
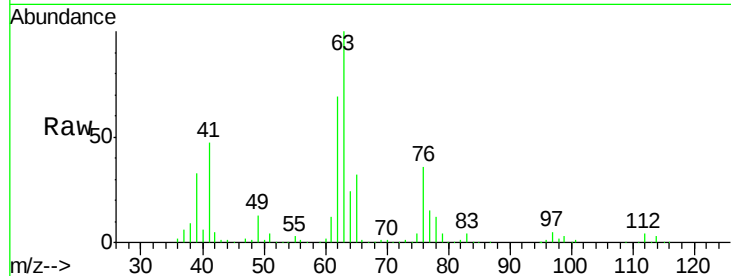
#45  
 1,2-Dichloropropane  
 Concen: 19.569 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.2  | 25.0  | 37.6  |

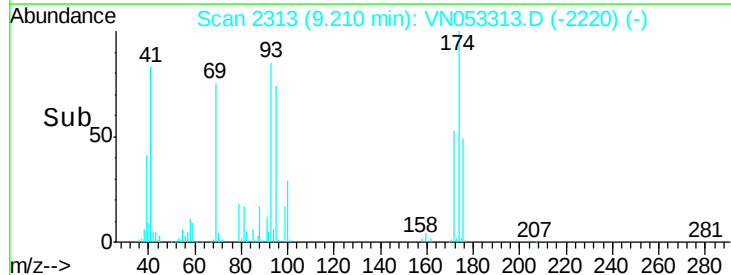
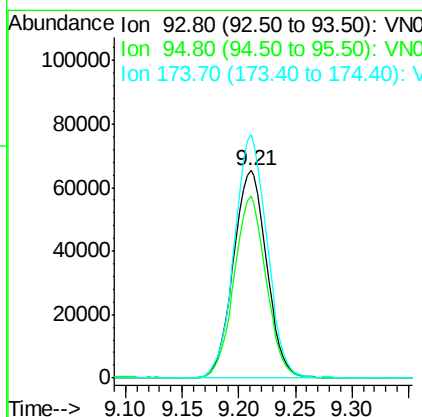
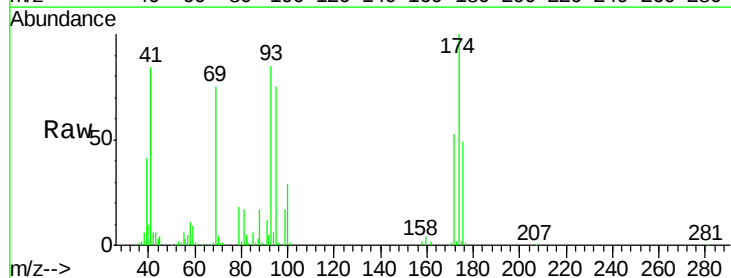
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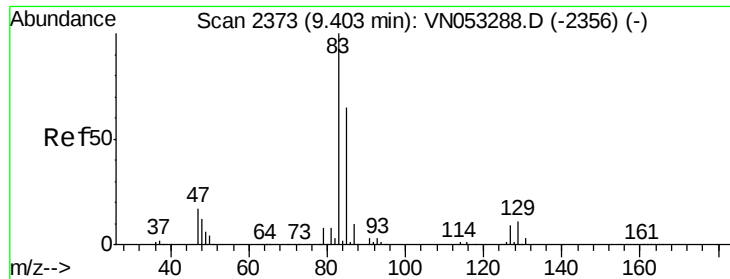
MMDadoda  
 1/9/2019 10:57:51 AM



#46  
 Dibromomethane  
 Concen: 19.287 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 84.5  | 66.6  | 100.0 |
| 174     | 114.6 | 91.4  | 137.0 |





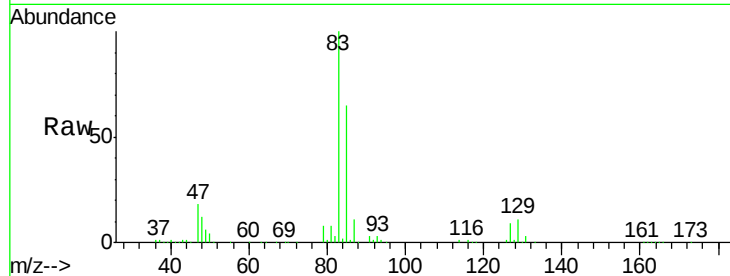
#47  
Bromodichloromethane  
Concen: 18.913 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0108WBSD01

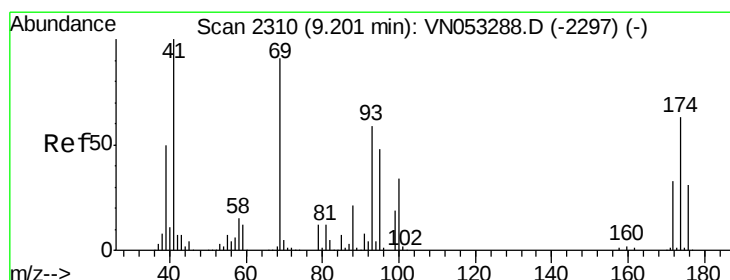
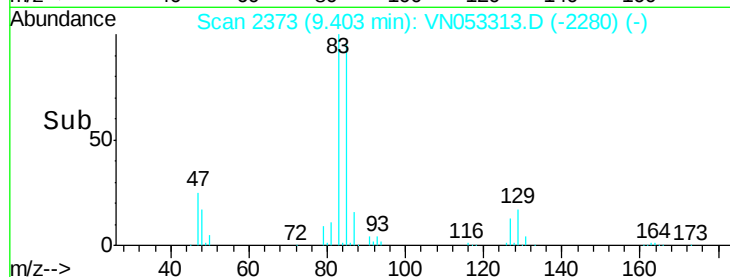
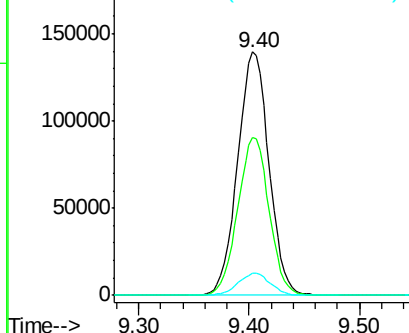
| Tot Ion   | 83   | Resp  | 274477 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 65.0 | 51.7  | 77.5   |
| 127       | 8.9  | 7.0   | 10.6   |

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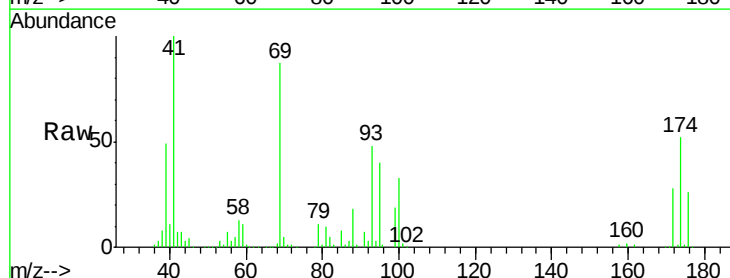


Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 84.90 (84.60 to 85.60): VNO  
Ion 126.80 (126.50 to 127.50): V

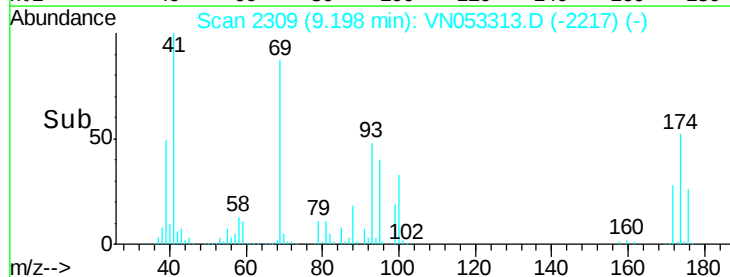
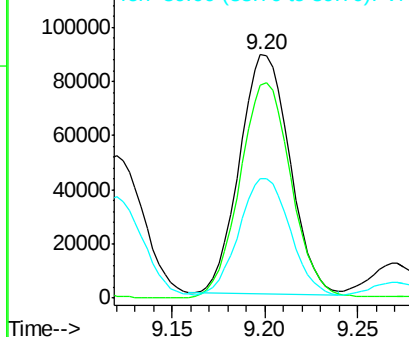


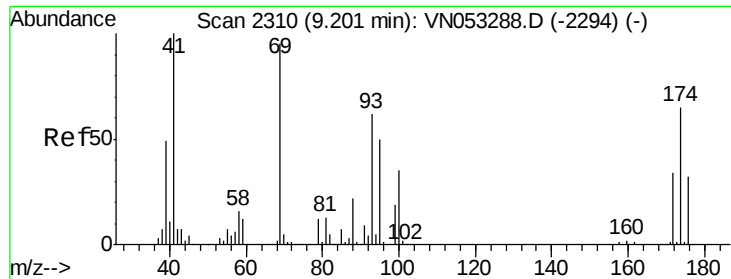
#48  
Methyl methacrylate  
Concen: 19.098 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. -0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion   | 41   | Resp  | 165749 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 41        | 100  |       |        |
| 69        | 93.0 | 73.5  | 110.3  |
| 39        | 52.2 | 41.6  | 62.4   |



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





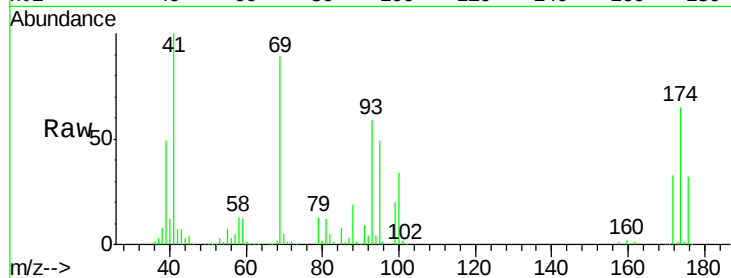
#49  
1,4-Dioxane  
Concen: 383.557 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0108WBSD01

| Tot Ion | 88    | Resp  | 35467 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 32.6  | 26.2  | 39.4  |
| 58      | 69.4  | 55.5  | 83.3  |

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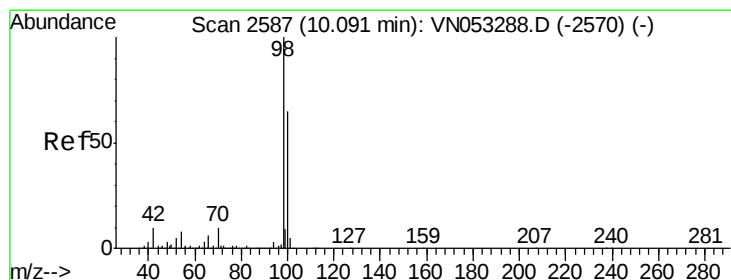
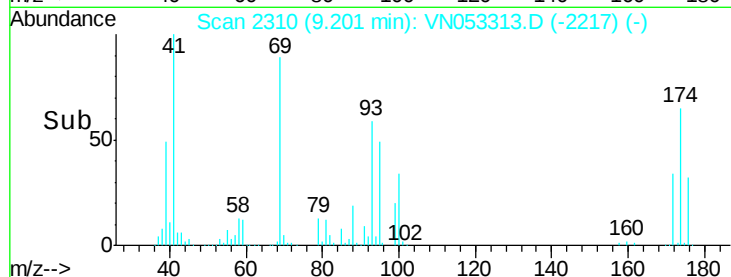
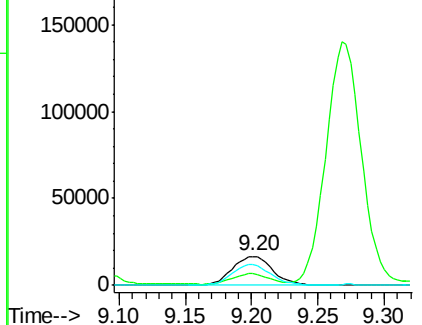
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Abundance Ion 88.00 (87.70 to 88.70): VN053288.D (-2294) (-)

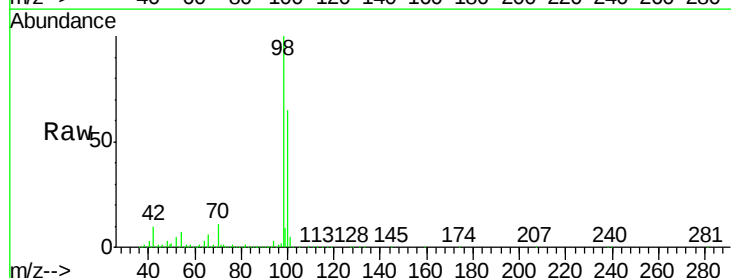
Ion 43.00 (42.70 to 43.70): VN053288.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-2294) (-)



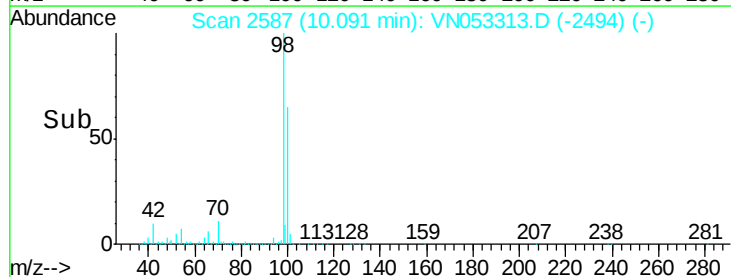
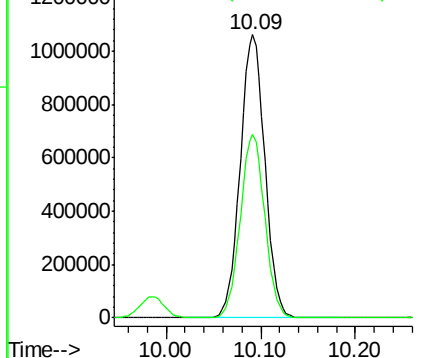
#50  
Toluene-d8  
Concen: 383.557 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

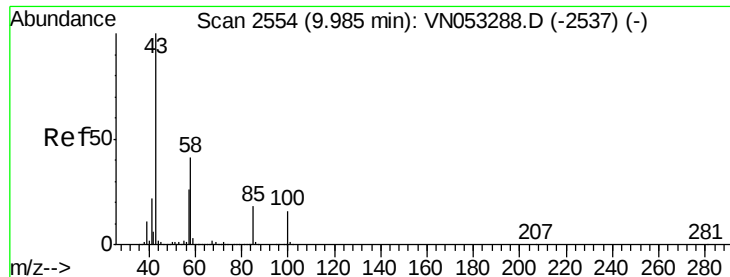
| Tgt Ion | 98    | Resp  | 1912827 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 64.6  | 51.5  | 77.3    |



Abundance Ion 98.00 (97.70 to 98.70): VN053288.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053288.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 96.653 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0108WBSD01

Tot Ion: 43 Resp: 928537

Ion Ratio Lower Upper

43 100

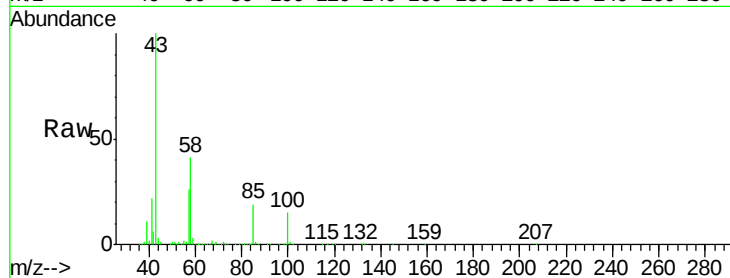
58 41.2 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

200000

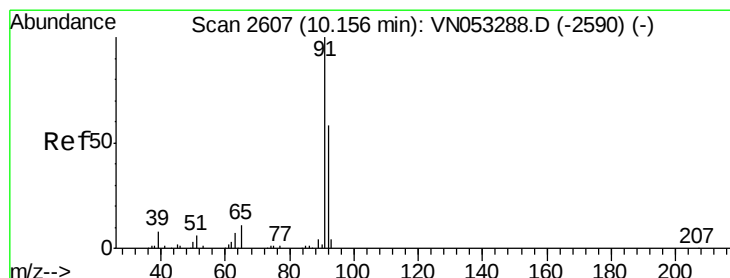
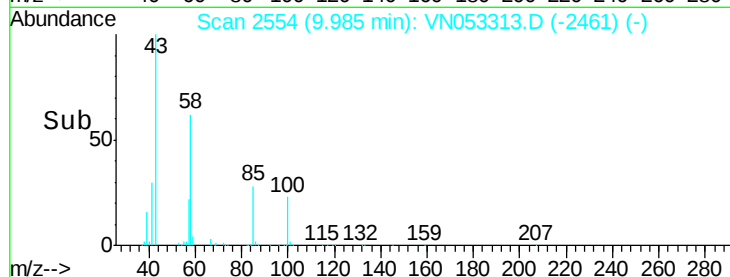
100000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 19.934 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053313.D

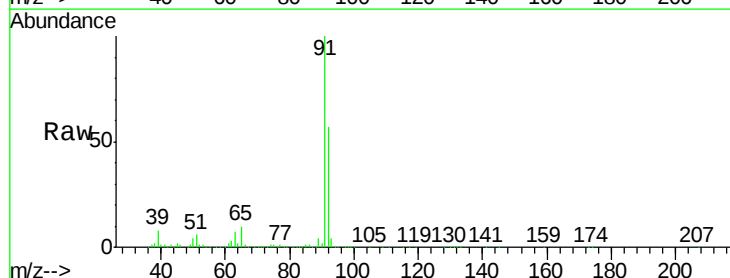
Acq: 8 Jan 2019 12:50

Tgt Ion: 92 Resp: 556937

Ion Ratio Lower Upper

92 100

91 174.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

100000

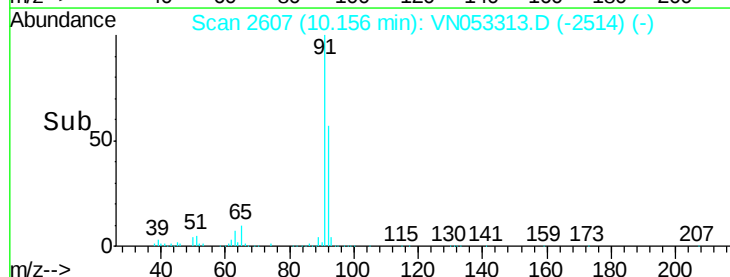
0

10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.250 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0108WBSD01

Tot Ion: 75 Resp: 285800

Ion Ratio Lower Upper

75 100

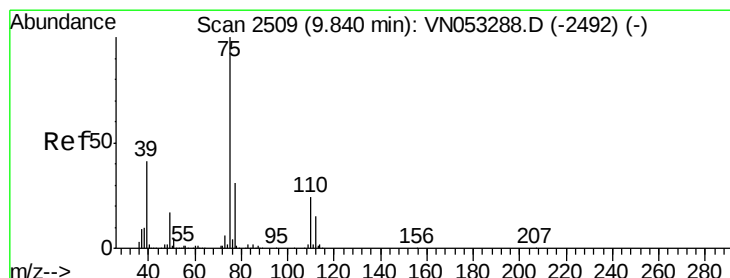
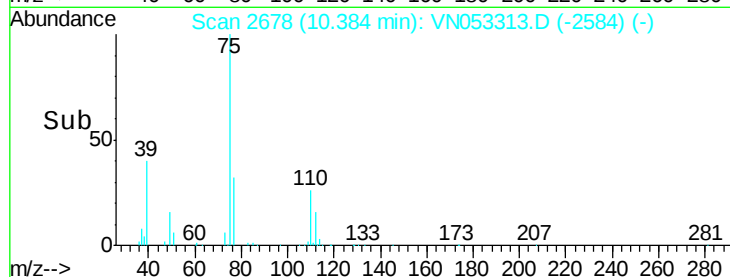
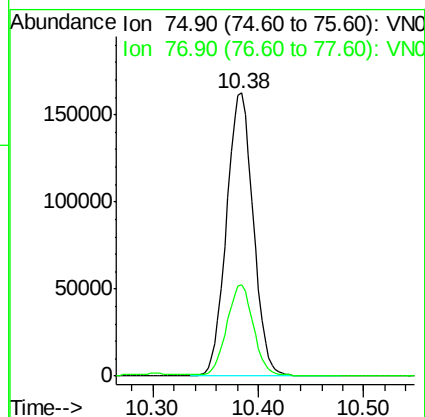
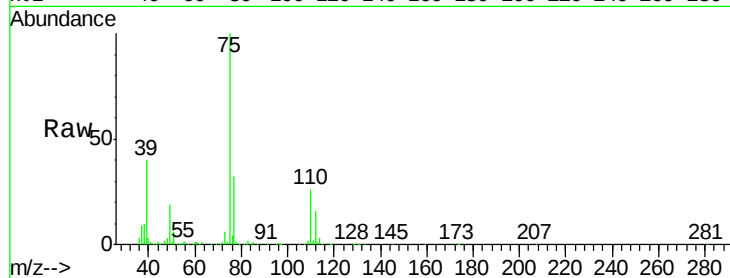
77 31.9 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 19.700 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

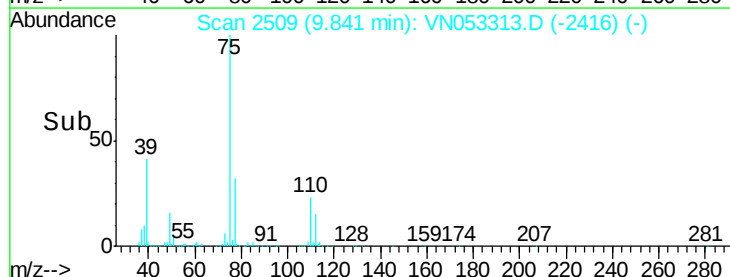
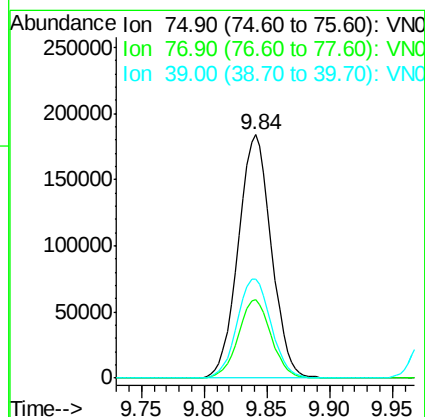
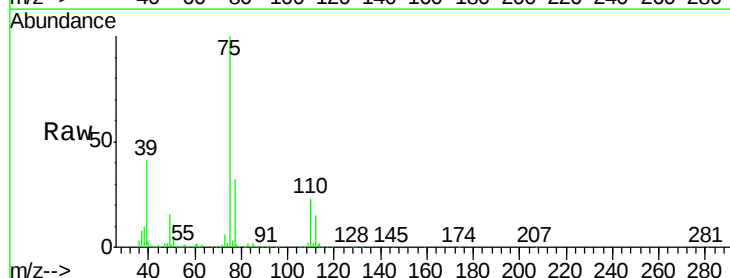
Tgt Ion: 75 Resp: 337973

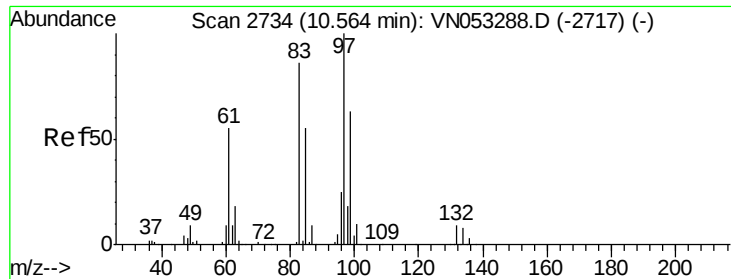
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 40.7 33.1 49.7





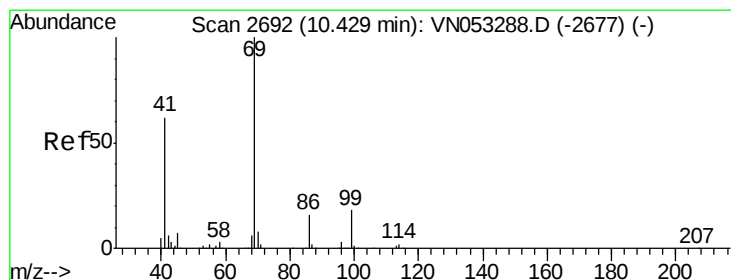
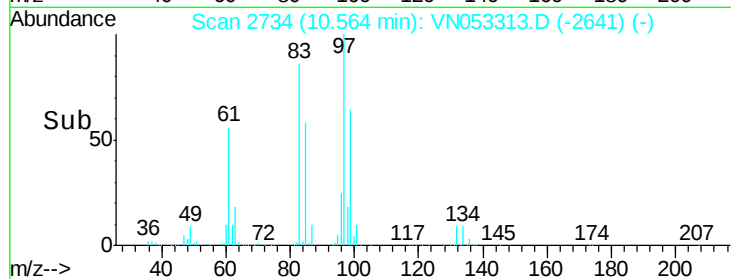
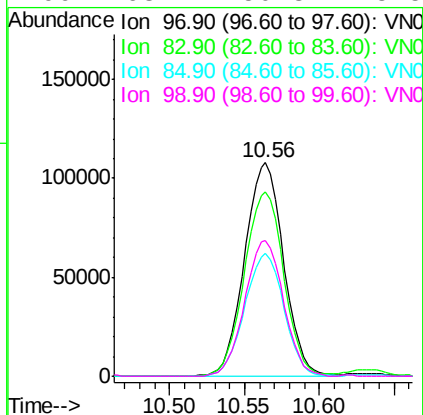
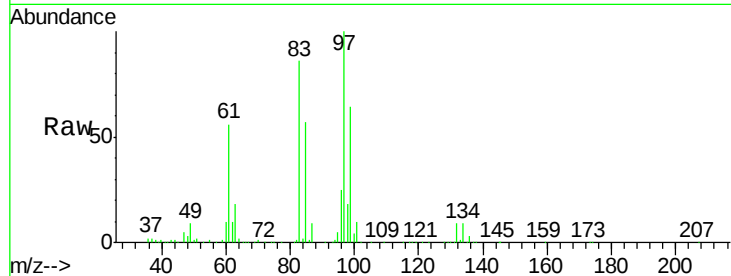
#55  
 1,1,2-Trichloroethane  
 Concen: 18.914 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 86.0  | 69.1  | 103.7 |
| 85      | 57.5  | 44.2  | 66.4  |
| 99      | 63.7  | 50.3  | 75.5  |

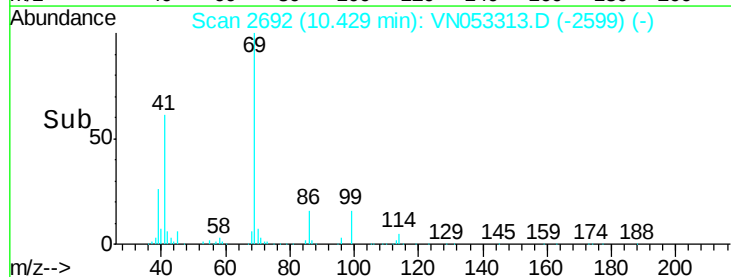
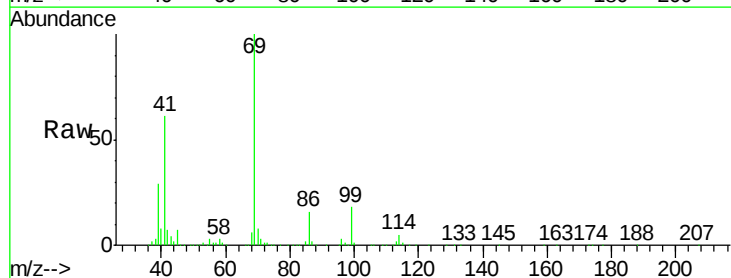
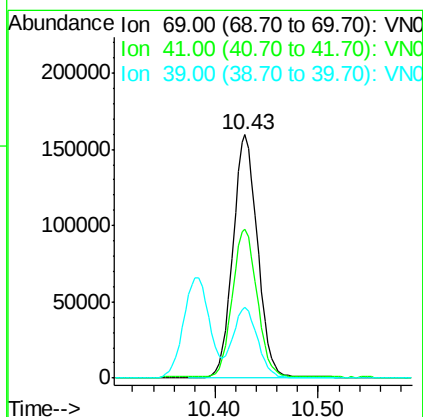
Manual Integrations  
 APPROVED

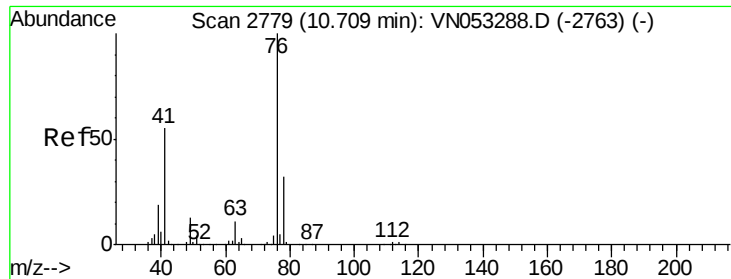
MMDadoda  
 1/9/2019 10:57:51 AM



#56  
 Ethyl methacrylate  
 Concen: 19.910 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 60.7  | 49.2  | 73.8  |
| 39      | 29.2  | 23.4  | 35.0  |





#57

1,3-Dichloropropane

Concen: 19.453 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0108WBSD01

Tot Ion: 76 Resp: 334190

Ion Ratio Lower Upper

76 100

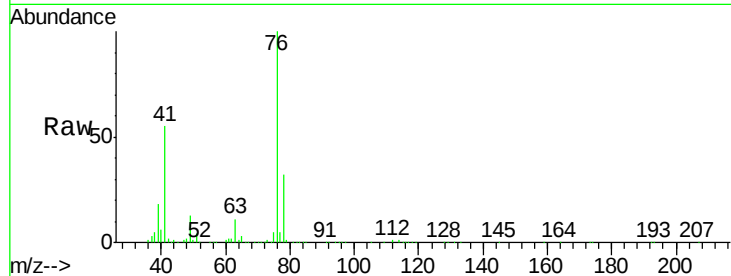
78 32.7 25.8 38.8

Manual Integrations

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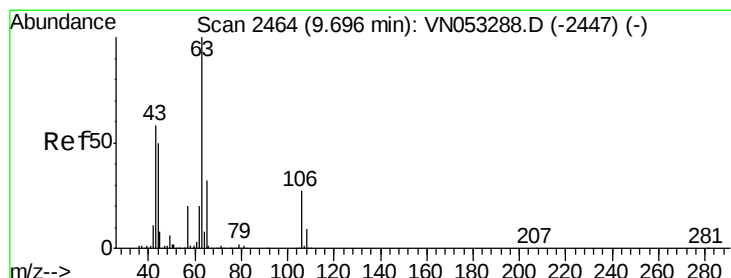
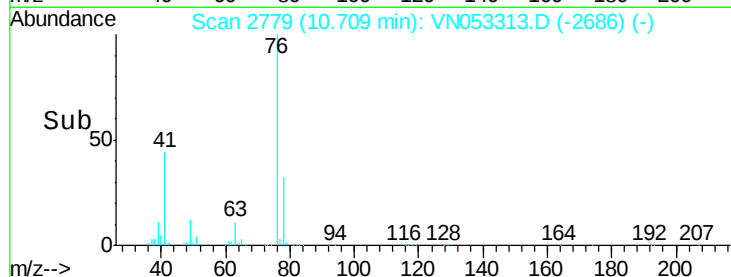
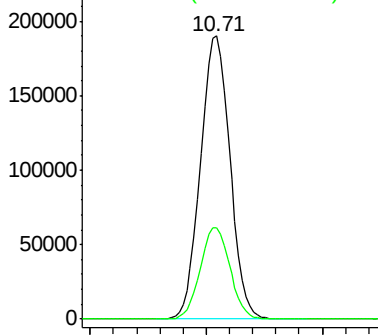
MMDadoda

1/9/2019 10:57:51 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.342 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053313.D

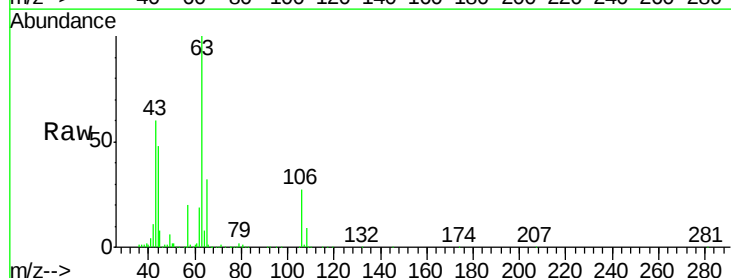
Acq: 8 Jan 2019 12:50

Tgt Ion: 63 Resp: 680887

Ion Ratio Lower Upper

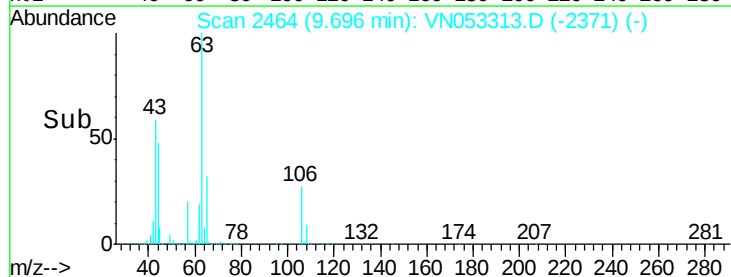
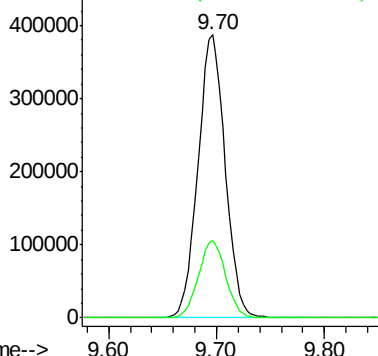
63 100

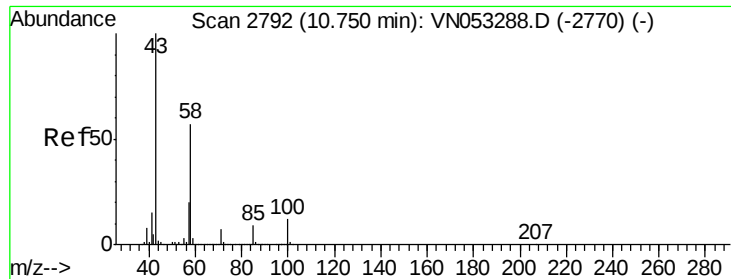
106 27.4 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





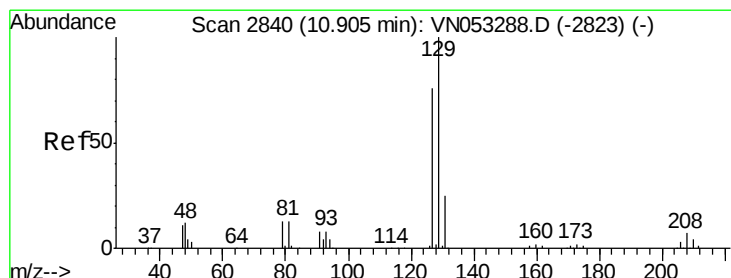
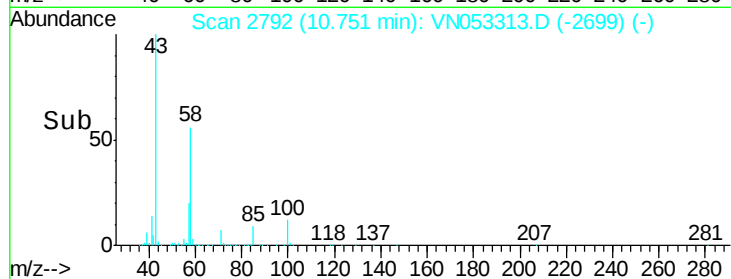
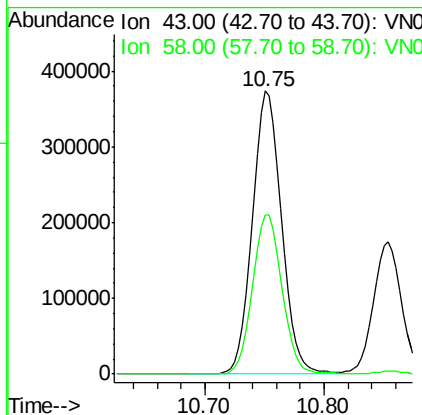
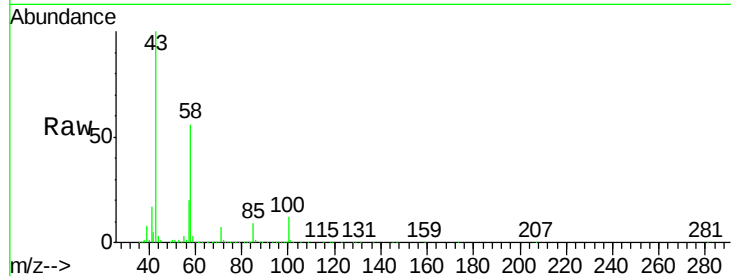
#59  
2-Hexanone  
Concen: 95.984 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

Tot Ion: 43 Resp: 631788  
Ion Ratio Lower Upper  
43 100  
58 57.3 28.3 85.0

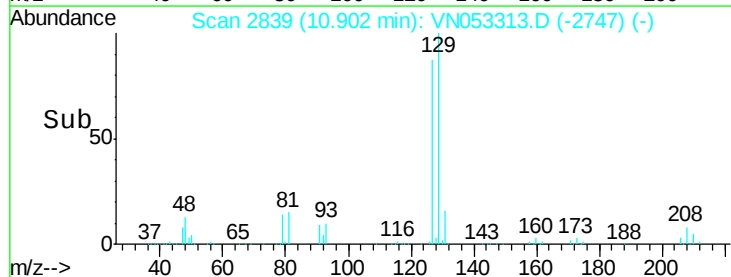
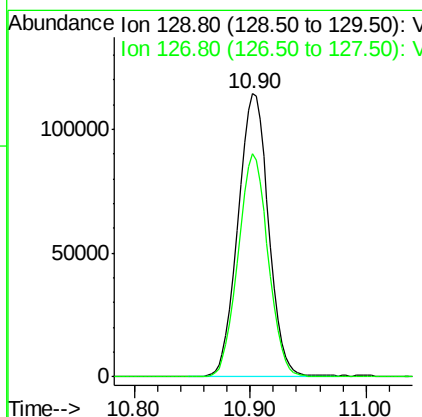
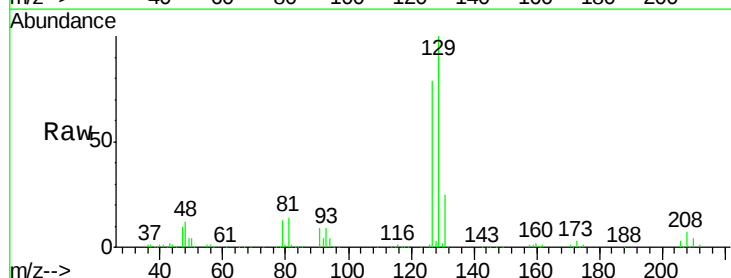
Manual Integrations  
APPROVED

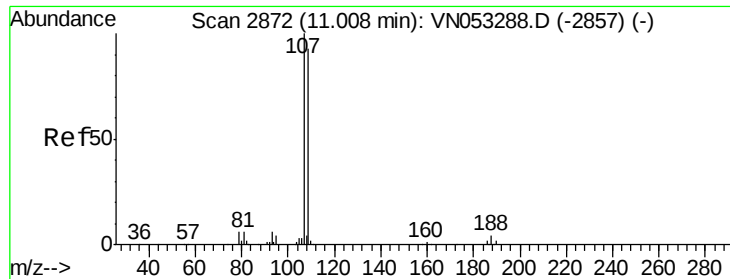
MMDadoda  
1/9/2019 10:57:51 AM



#60  
Dibromochloromethane  
Concen: 18.761 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Tgt Ion: 129 Resp: 207878  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.4 115.2





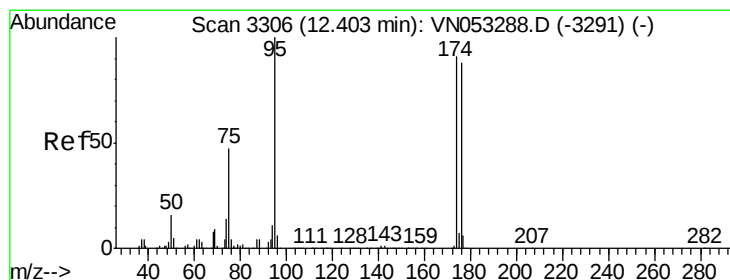
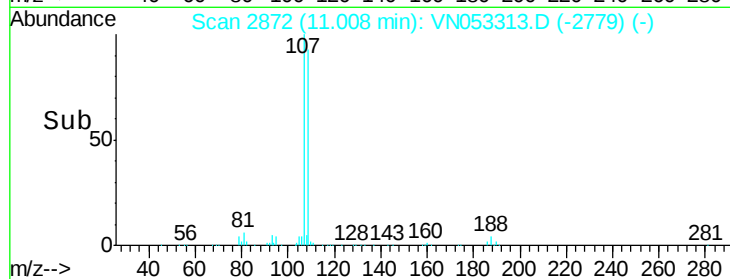
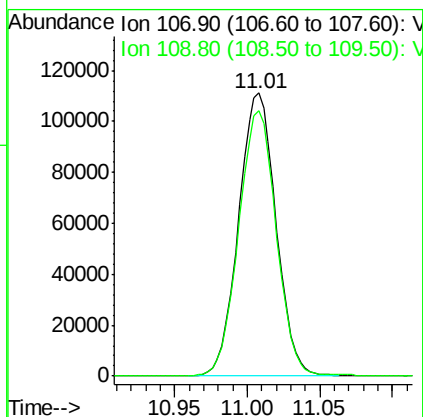
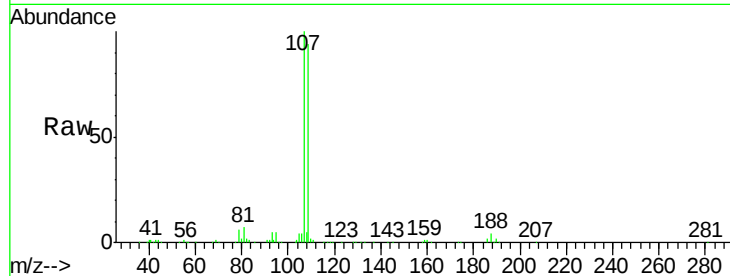
#61  
 1,2-Dibromoethane  
 Concen: 19.670 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0108WBSD01

Tot Ion: 107 Resp: 199407  
 Ion Ratio Lower Upper  
 107 100  
 109 94.0 75.0 112.6

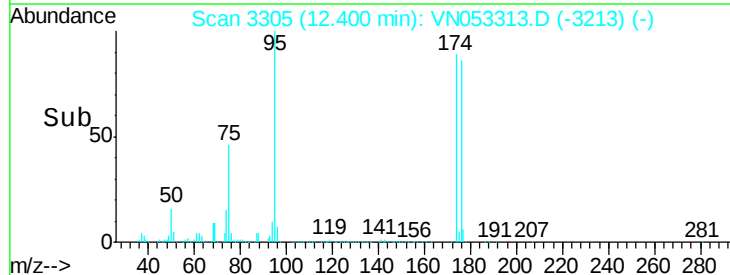
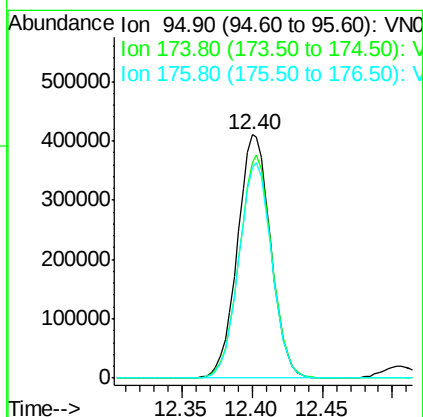
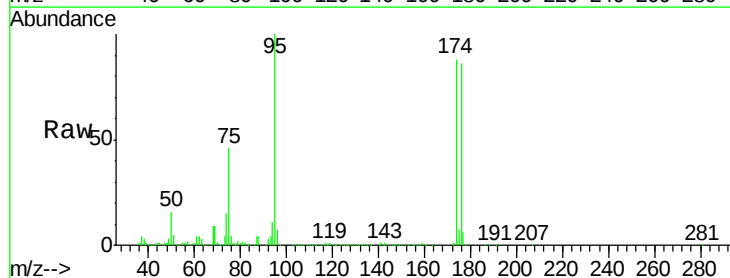
Manual Integrations  
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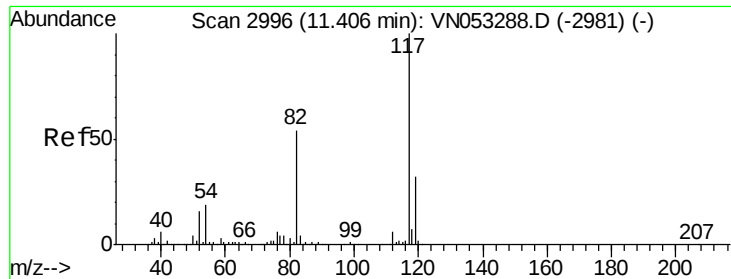
MMDadoda  
 1/9/2019 10:57:51 AM



#62  
 4-Bromofluorobenzene  
 Concen: 19.670 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Tgt Ion: 95 Resp: 673777  
 Ion Ratio Lower Upper  
 95 100  
 174 90.3 0.0 180.4  
 176 87.9 0.0 175.6





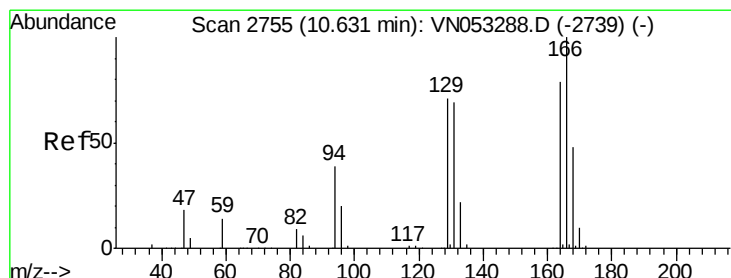
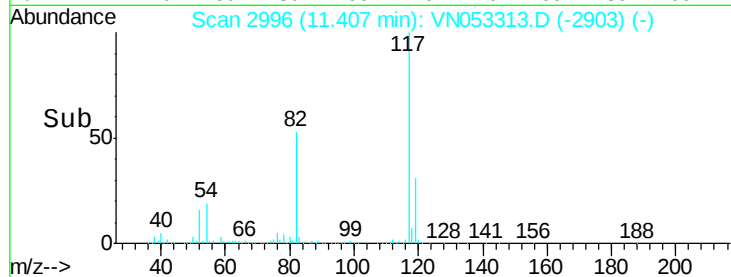
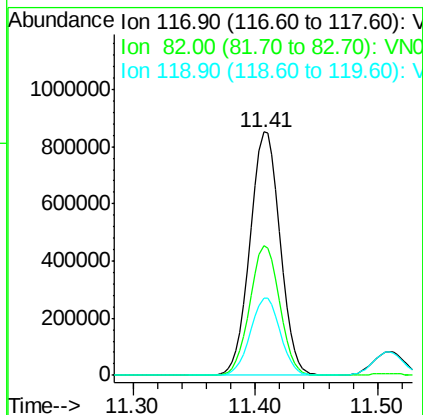
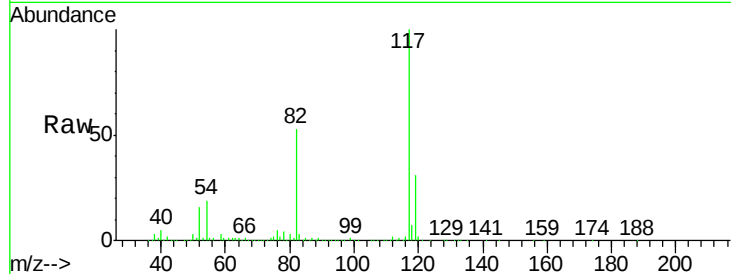
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

Tot Ion:117 Resp: 1440518  
Ion Ratio Lower Upper  
117 100  
82 53.3 42.9 64.3  
119 31.4 25.6 38.4

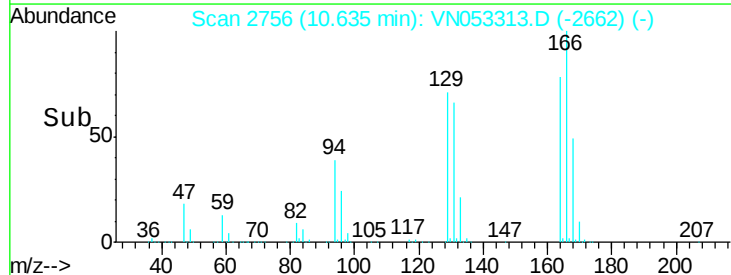
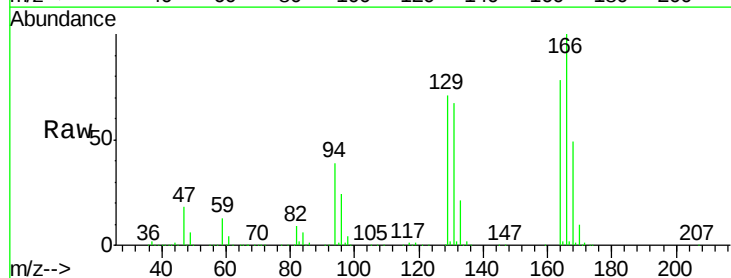
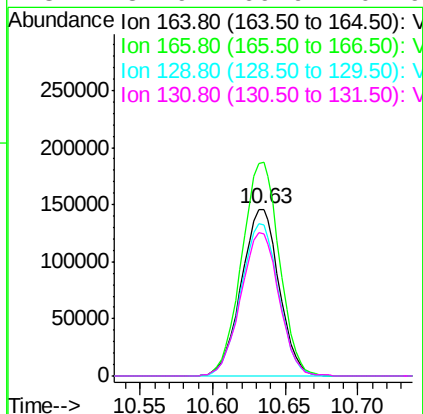
Manual Integrations  
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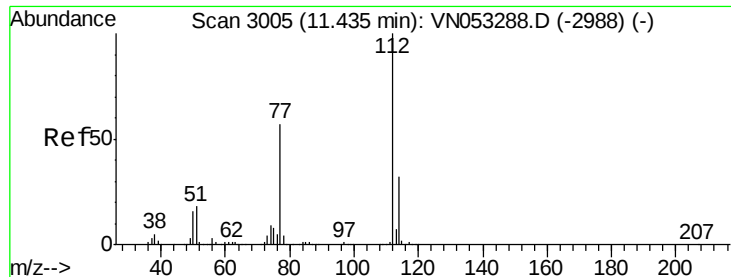
MMDadoda  
1/9/2019 10:57:51 AM



#64  
Tetrachloroethene  
Concen: 19.442 ug/l  
RT: 10.63 min Scan# 2756  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Tgt Ion:164 Resp: 263592  
Ion Ratio Lower Upper  
164 100  
166 127.9 101.7 152.5  
129 90.4 72.1 108.1  
131 84.9 69.9 104.9





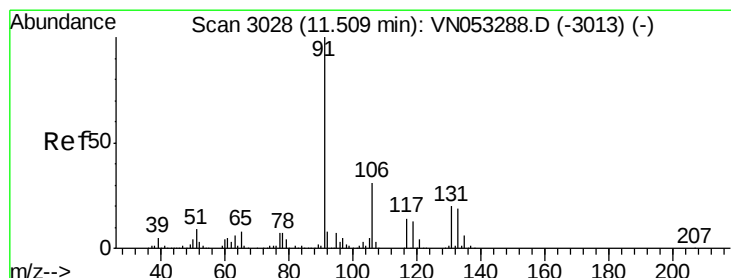
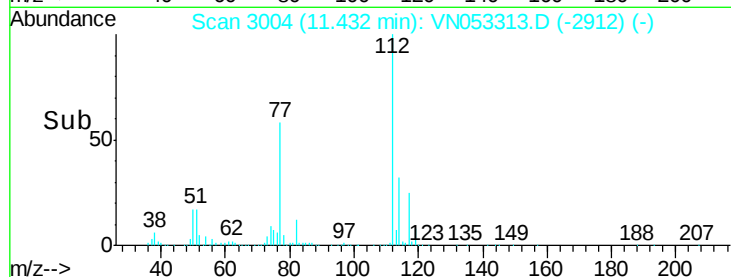
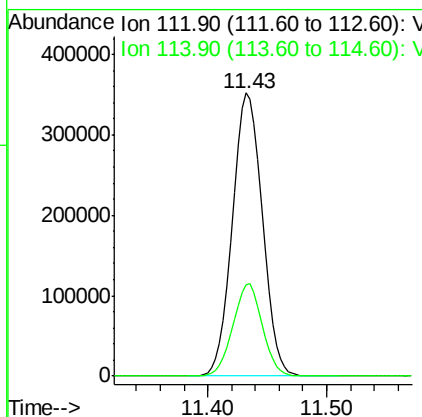
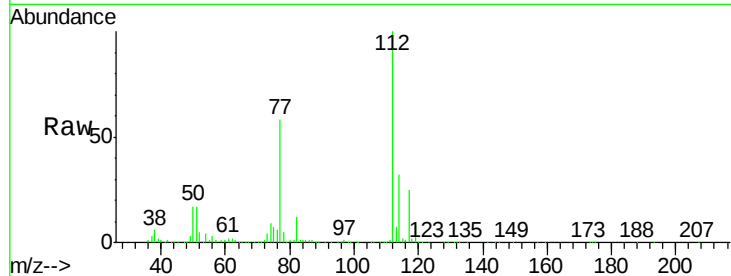
#65  
Chlorobenzene  
Concen: 19.623 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

Tot Ion:112 Resp: 614072  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.6 38.4

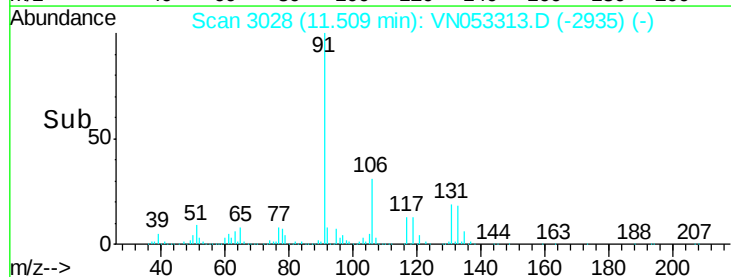
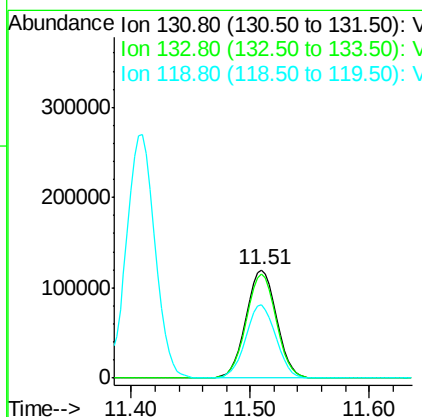
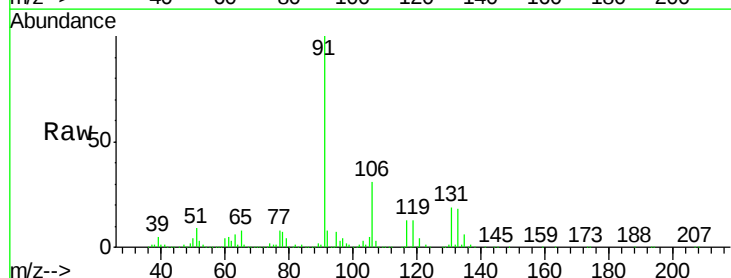
Manual Integrations  
APPROVED

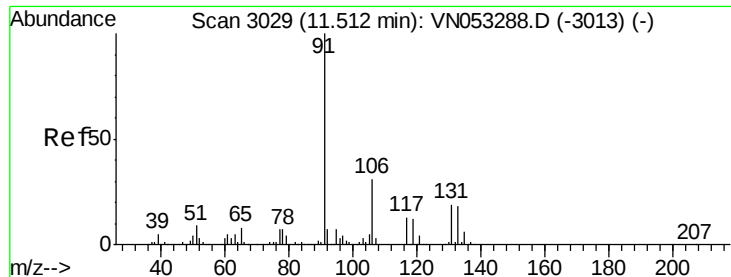
MMDadoda  
1/9/2019 10:57:51 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.399 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Tgt Ion:131 Resp: 212484  
Ion Ratio Lower Upper  
131 100  
133 94.2 48.0 144.0  
119 66.6 33.3 99.9





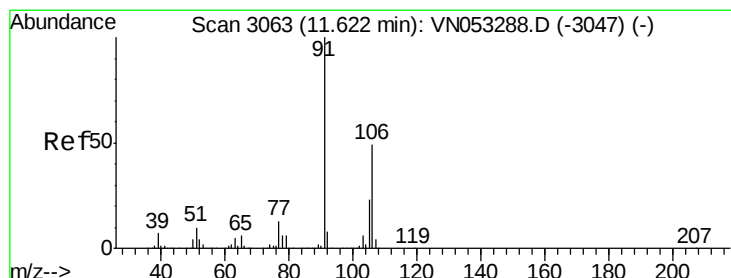
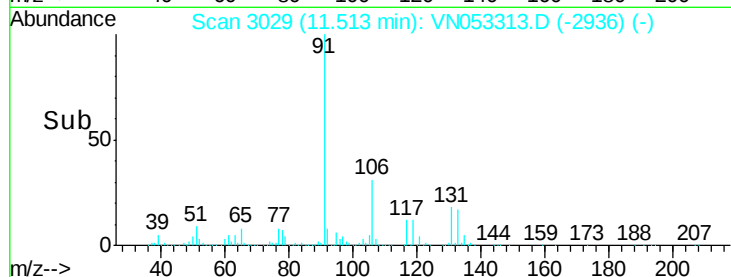
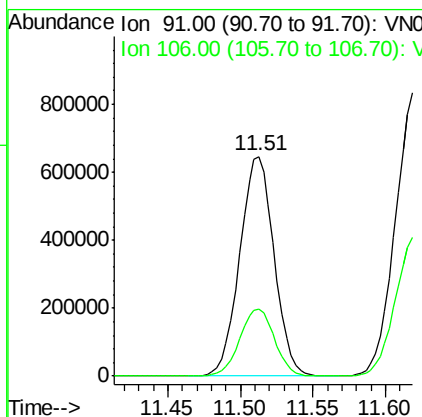
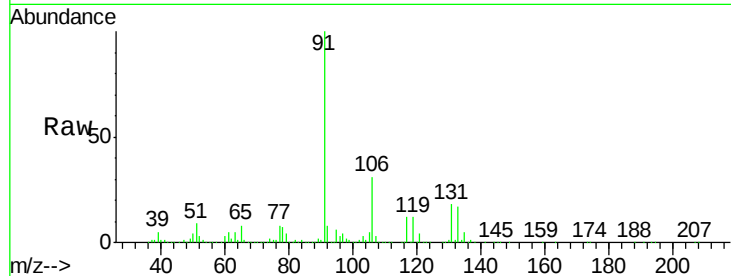
#67  
Ethyl Benzene  
Concen: 20.000 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0108WBSD01

Tot Ion: 91 Resp: 1063511  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.0 37.4

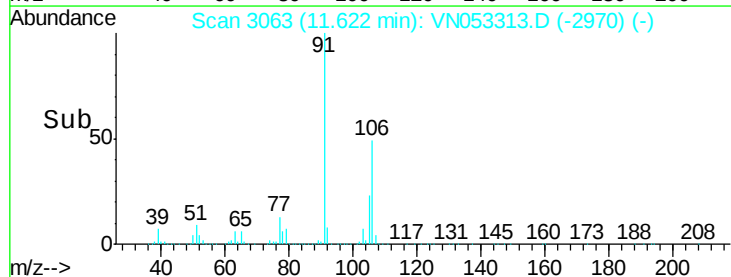
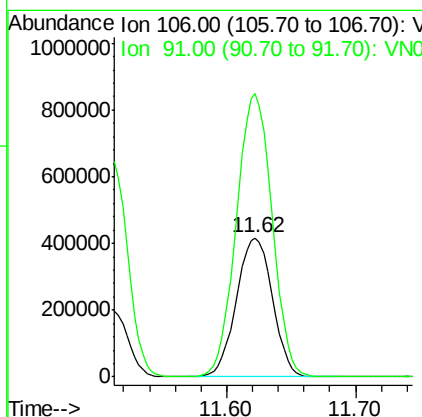
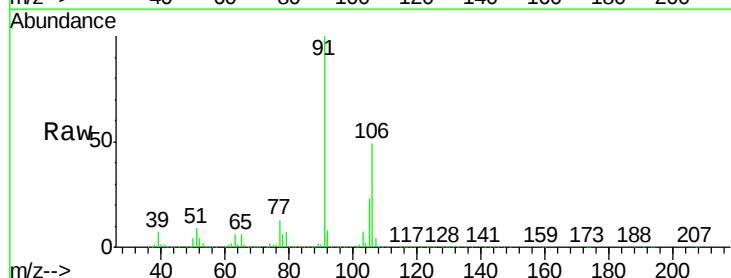
Manual Integrations  
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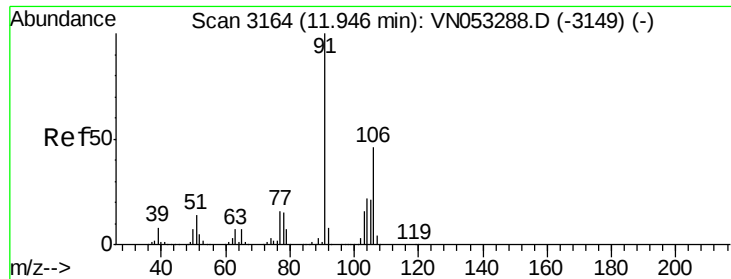
MMDadoda  
1/9/2019 10:57:51 AM



#68  
m/p-Xylenes  
Concen: 40.477 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Tgt Ion: 106 Resp: 809335  
Ion Ratio Lower Upper  
106 100  
91 201.5 161.4 242.2





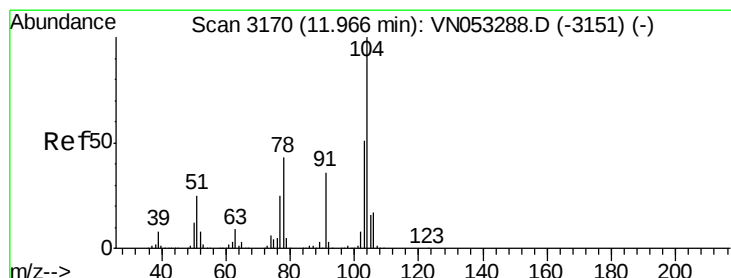
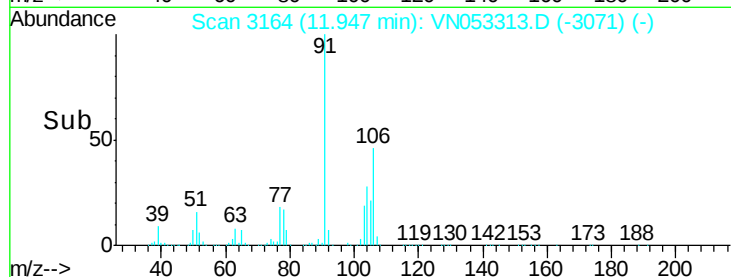
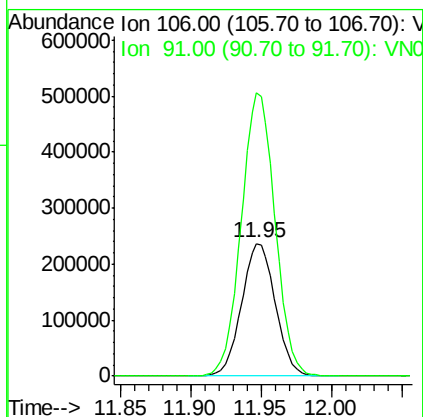
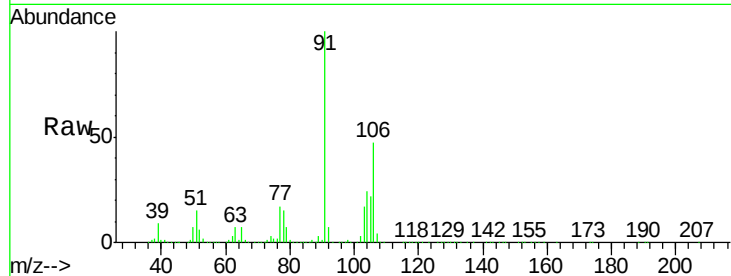
#69  
o-Xylene  
Concen: 20.255 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0108WBSD01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 396507 |       |       |
| 91      | 212.8 | 106.8 | 320.4  |       |       |

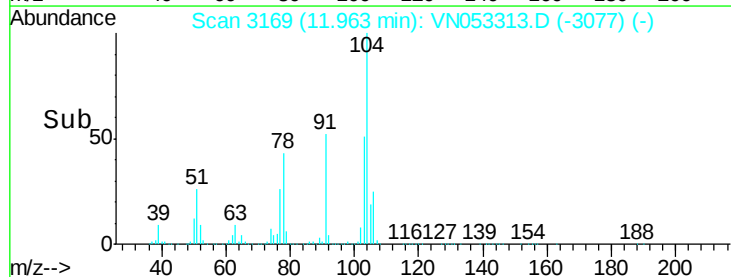
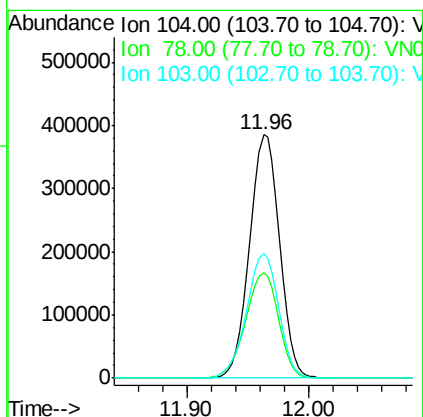
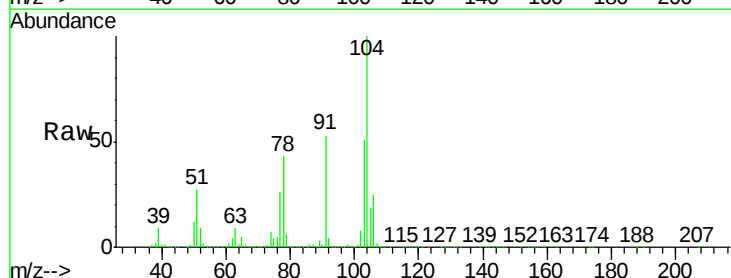
Manual Integrations  
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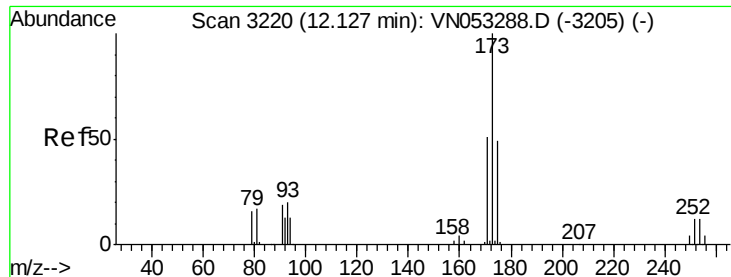
MMDadoda  
1/9/2019 10:57:51 AM



#70  
Styrene  
Concen: 20.328 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 647643 |       |       |
| 78      | 47.8 | 38.5  | 57.7   |       |       |
| 103     | 54.9 | 44.5  | 66.7   |       |       |





#71

Bromoform

Concen: 18.978 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0108WBSD01

Tot Ion:173 Resp: 146827

Ion Ratio Lower Upper

173 100

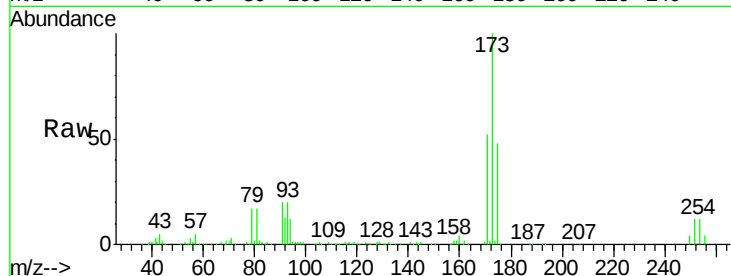
175 47.9 24.3 72.8

254 0.0 0.2 0.2#

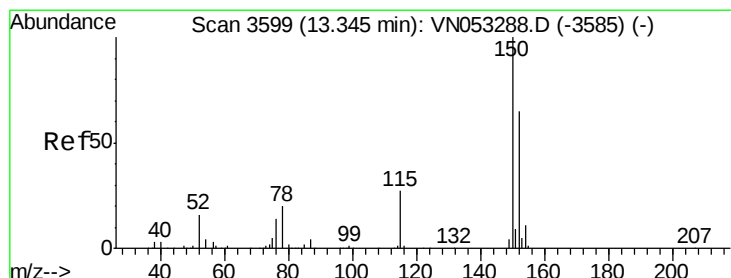
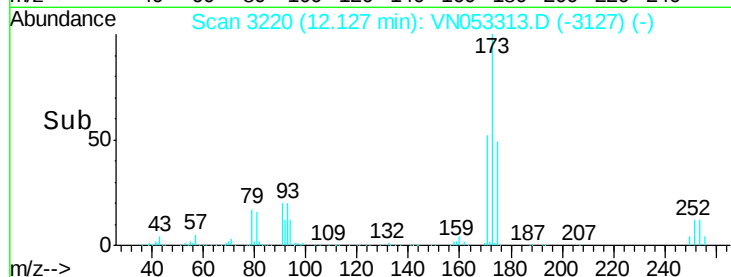
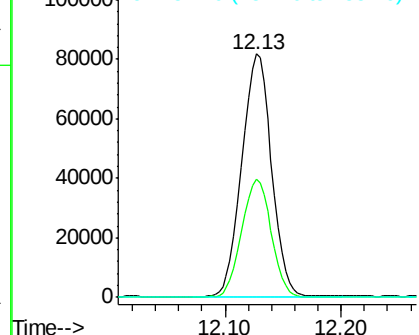
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Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

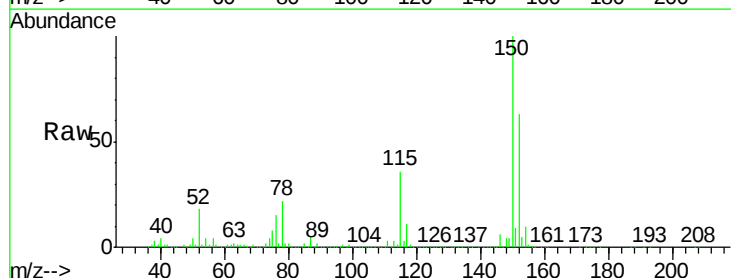
Tgt Ion:152 Resp: 671594

Ion Ratio Lower Upper

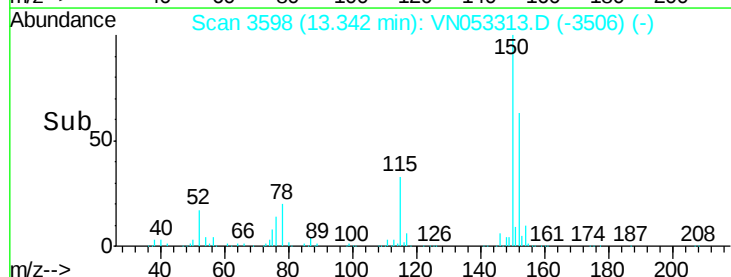
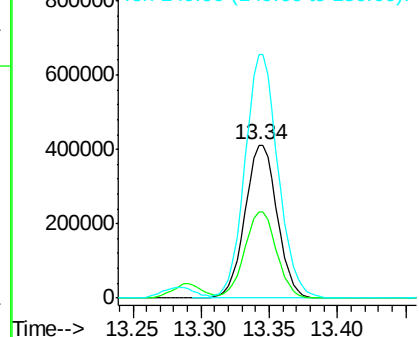
152 100

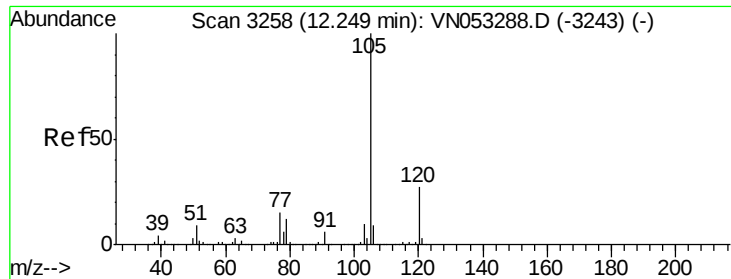
115 55.8 28.0 84.0

150 163.9 0.0 346.6



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





#73

Isopropylbenzene

Concen: 20.732 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0108WBSD01

Tot Ion:105 Resp: 1036655

Ion Ratio Lower Upper

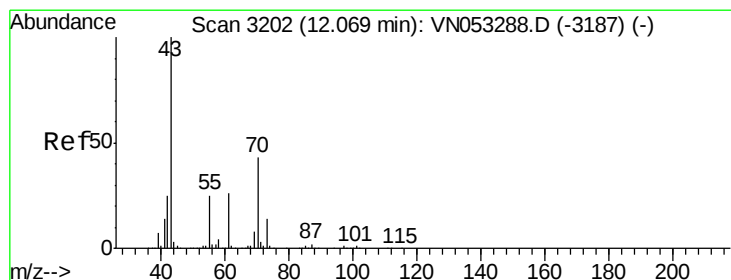
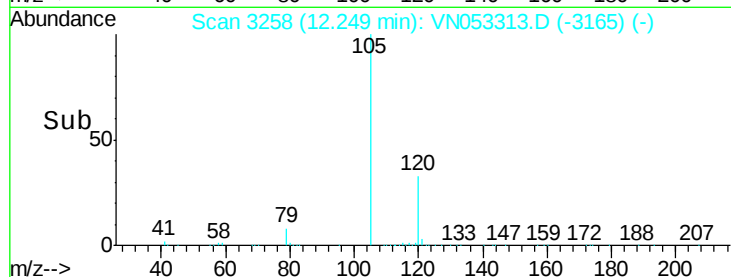
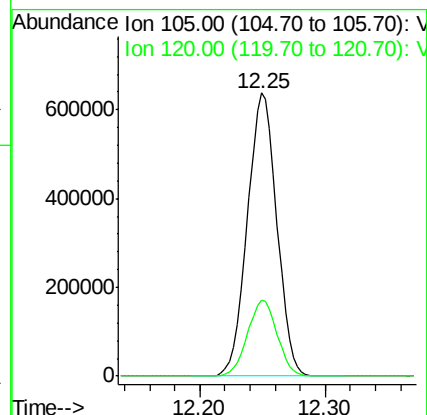
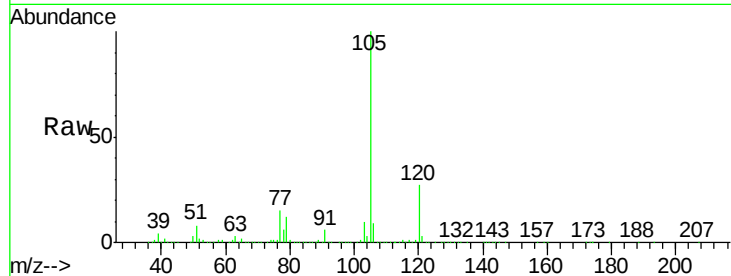
105 100

120 27.0 13.4 40.2

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#74

N-ethyl acetate

Concen: 20.612 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Tgt Ion: 43 Resp: 307758

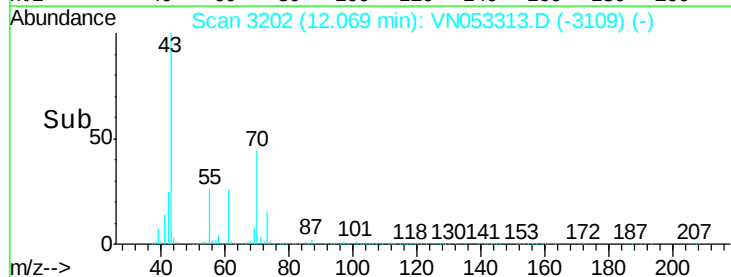
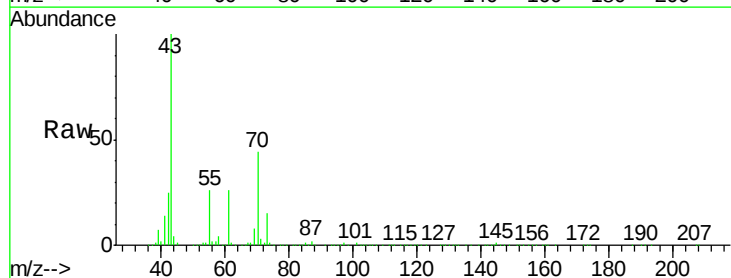
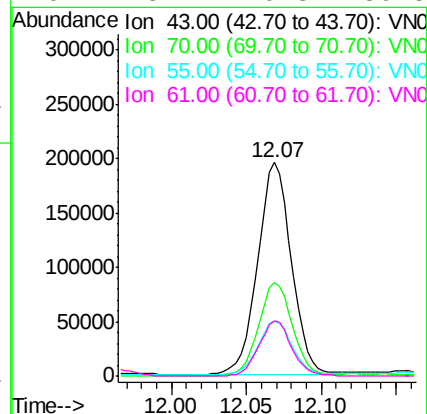
Ion Ratio Lower Upper

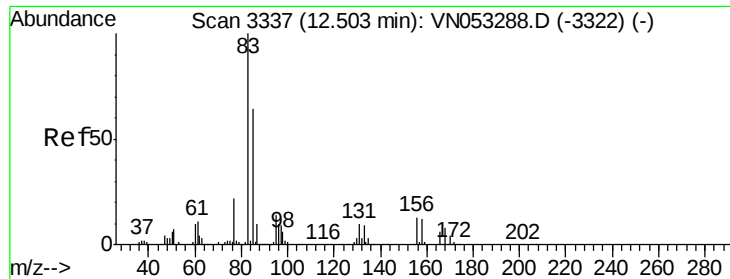
43 100

70 43.6 35.0 52.6

55 25.6 20.0 30.0

61 25.2 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

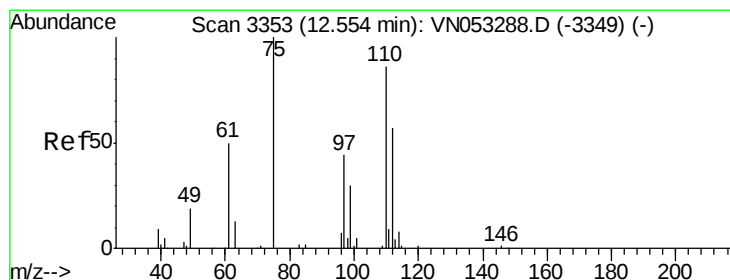
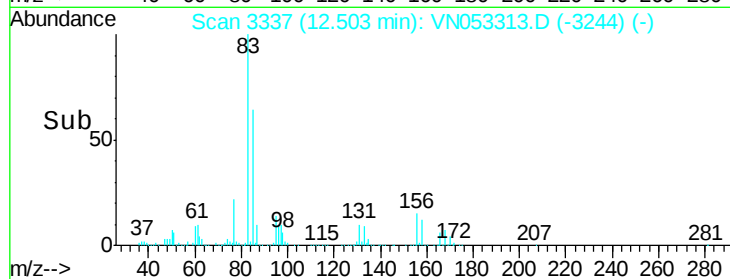
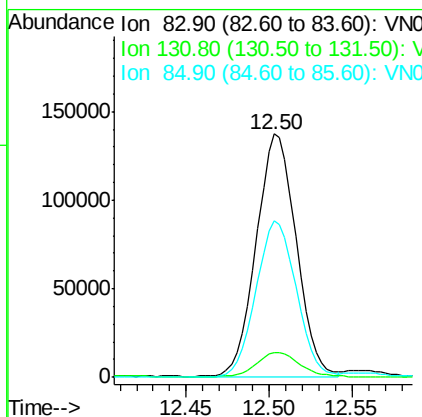
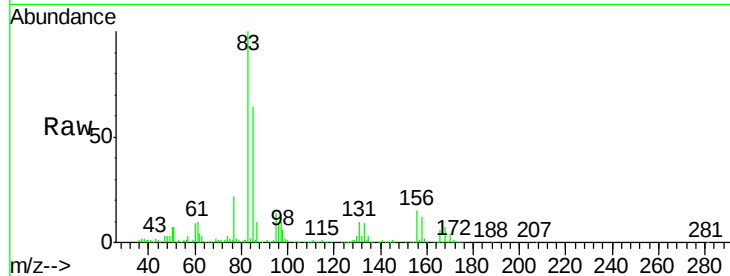
ClientSampleId :

VN0108WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 229618 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.9  | 5.3   | 15.9   |
| 85        | 65.3  | 32.3  | 96.8   |

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#76

1,2,3-Trichloropropane

Concen: 18.787 ug/l m

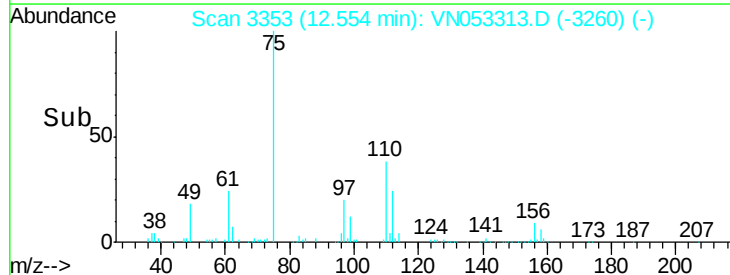
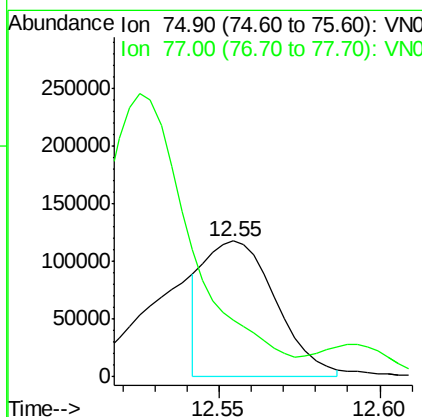
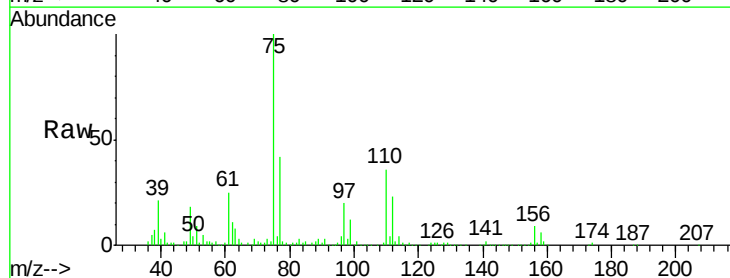
RT: 12.55 min Scan# 3353

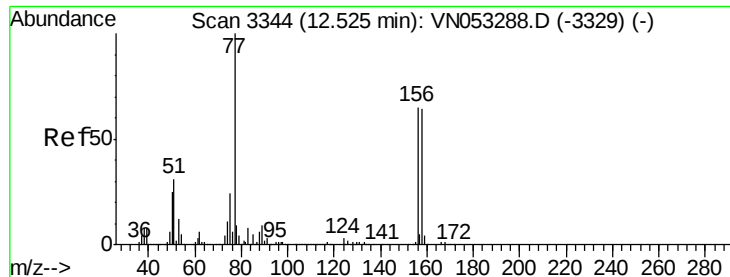
Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 184031 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 21.628 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

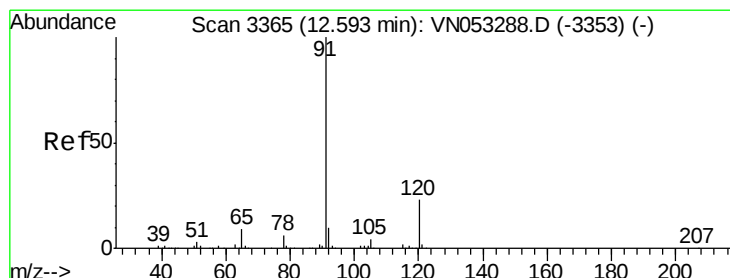
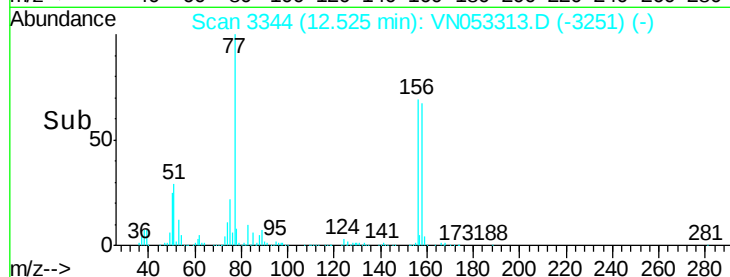
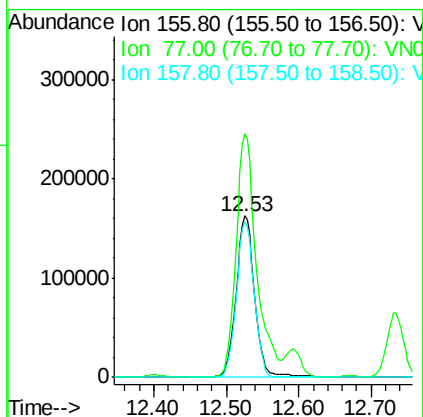
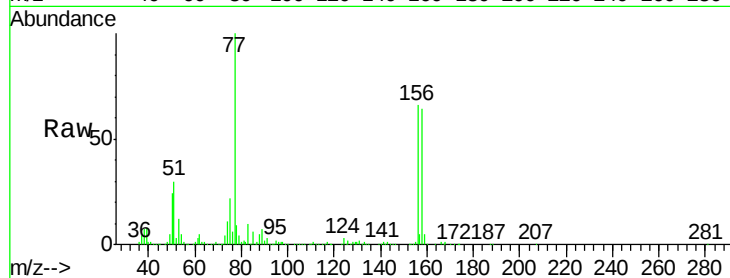
ClientSampleId :

VN0108WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 288638 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 166.6 | 89.3  | 268.1  |
| 158       | 92.2  | 48.9  | 146.8  |

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#78

n-propylbenzene

Concen: 20.709 ug/l

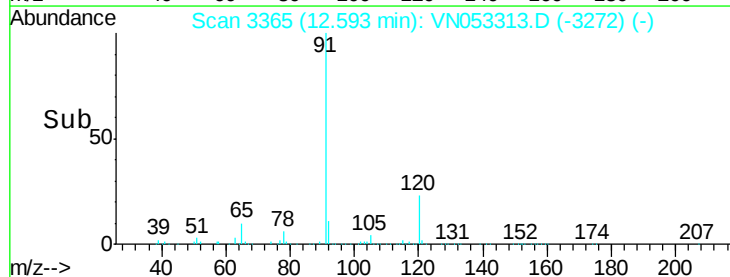
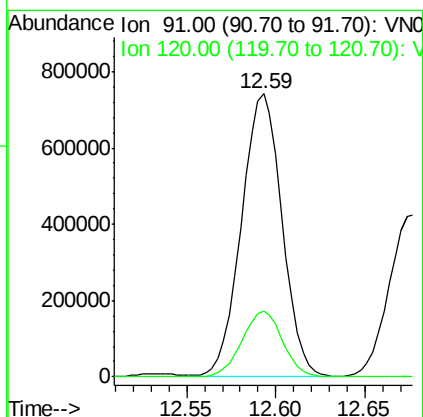
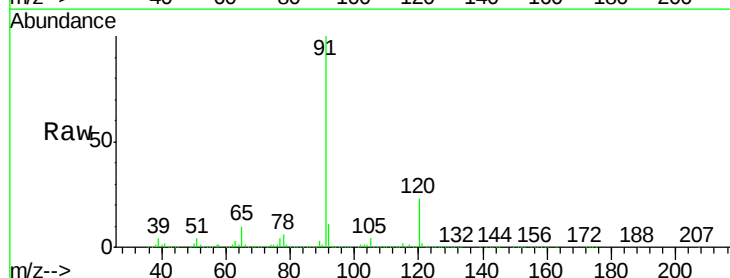
RT: 12.59 min Scan# 3365

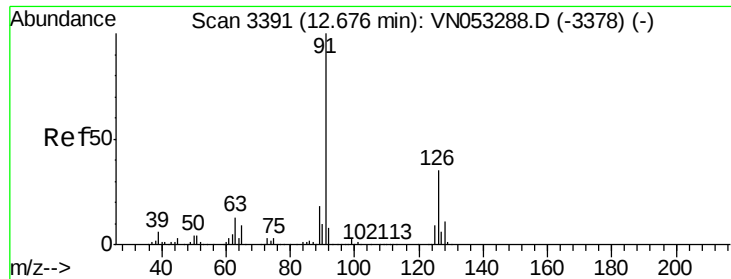
Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1171283 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.3  | 11.5  | 34.5    |





#79

2-Chlorotoluene

Concen: 20.393 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0108WBSD01

Tot Ion: 91 Resp: 697905

Ion Ratio Lower Upper

91 100

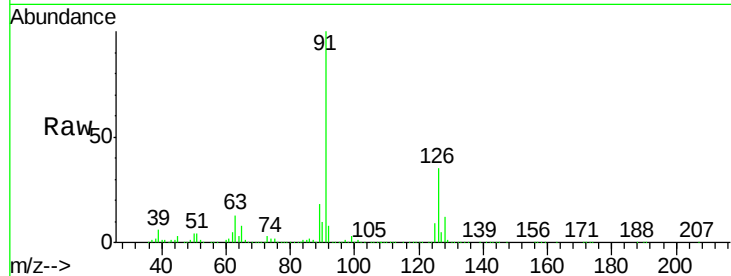
126 35.4 17.5 52.5

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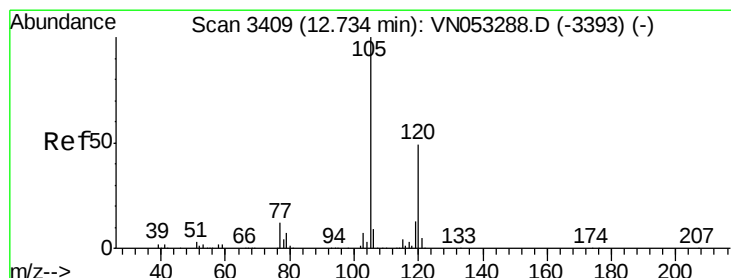
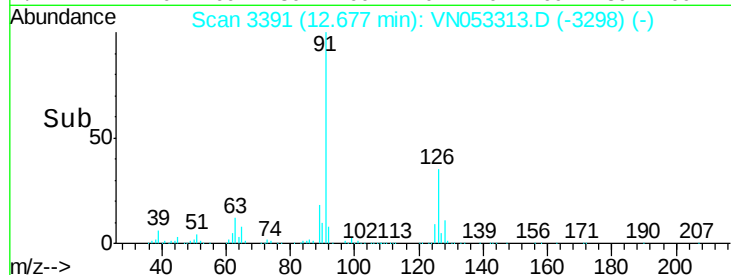
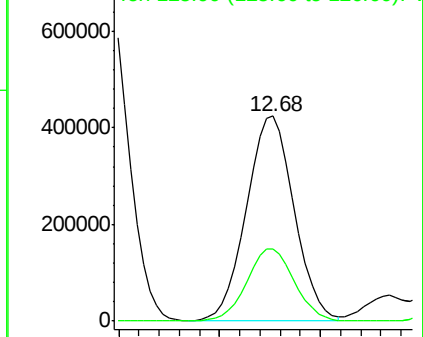
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.863 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053313.D

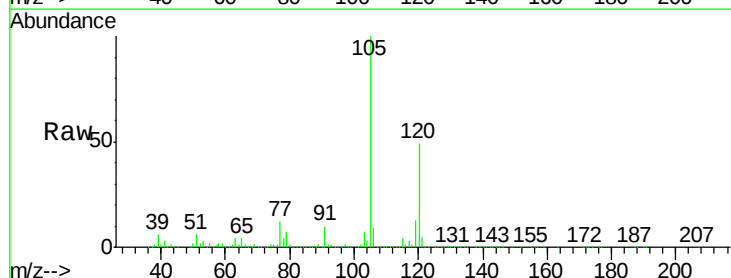
Acq: 8 Jan 2019 12:50

Tgt Ion: 105 Resp: 840292

Ion Ratio Lower Upper

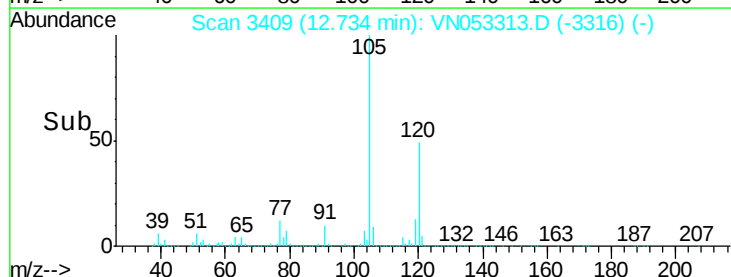
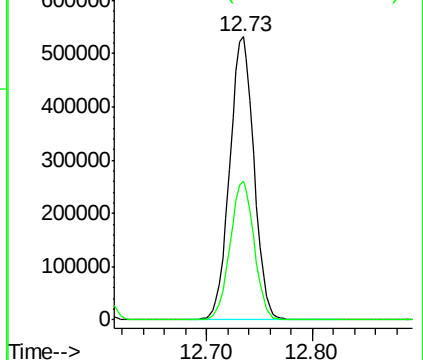
105 100

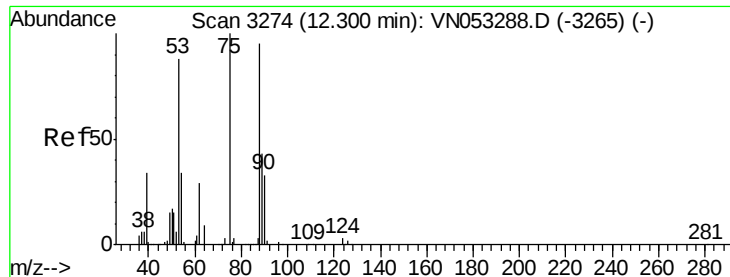
120 48.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





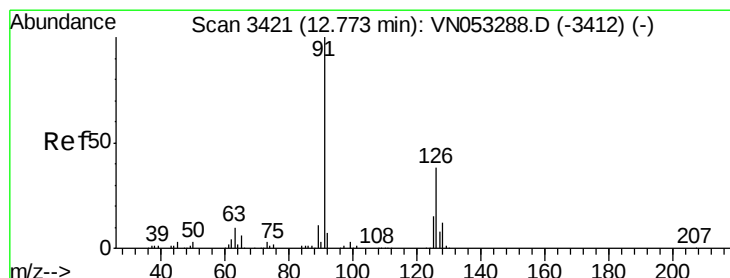
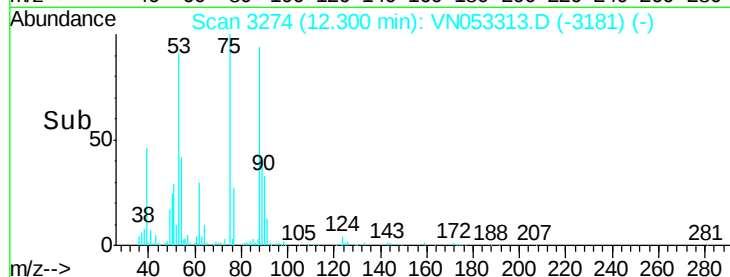
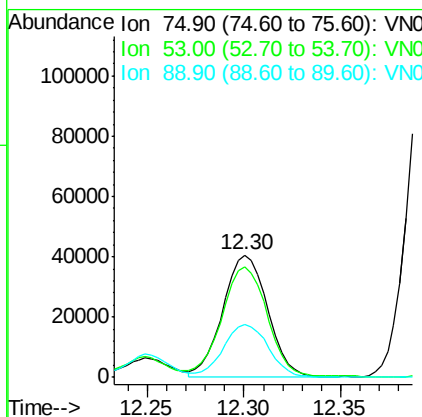
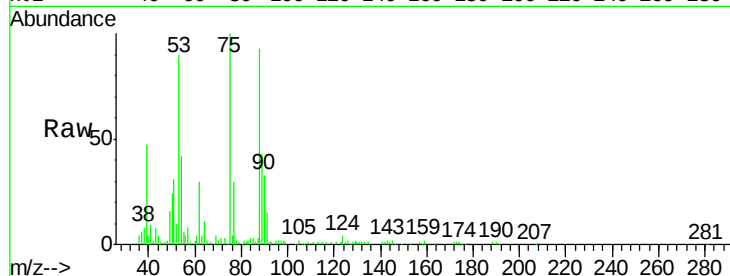
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.719 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 89.4  | 70.5  | 105.7 |
| 89      | 43.4  | 35.4  | 53.0  |

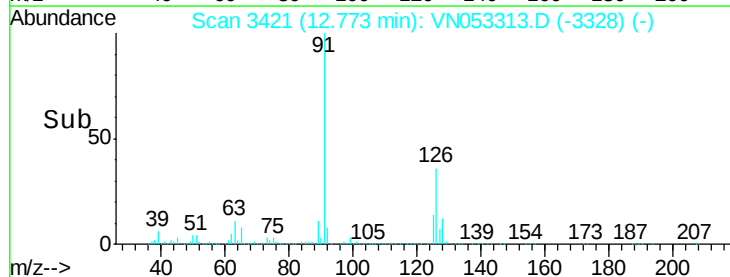
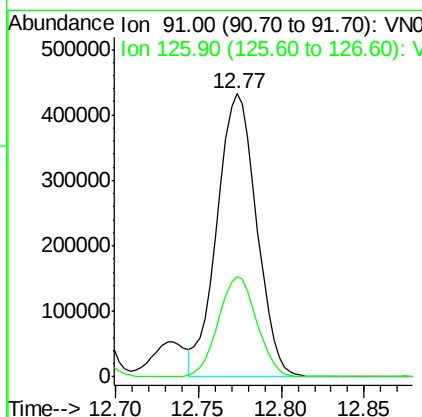
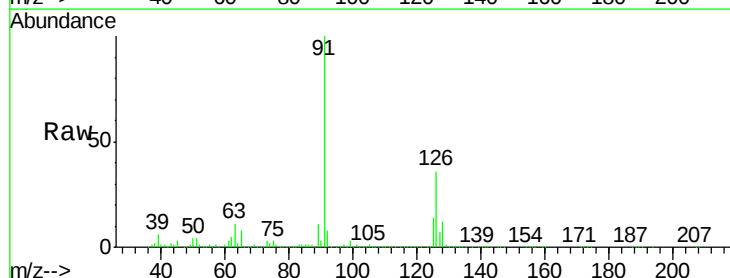
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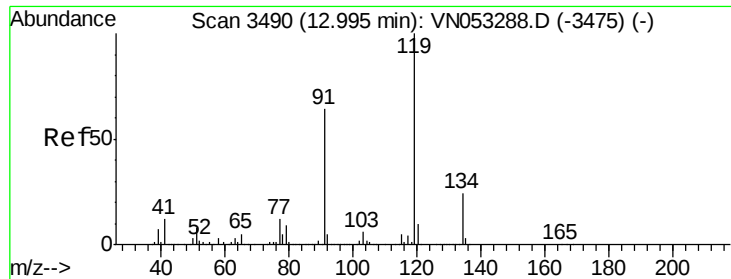
MMDadoda  
1/9/2019 10:57:51 AM



#82  
4-Chlorotoluene  
Concen: 20.330 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.9  | 17.4  | 52.2  |





#83

tert-Butylbenzene

Concen: 20.457 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

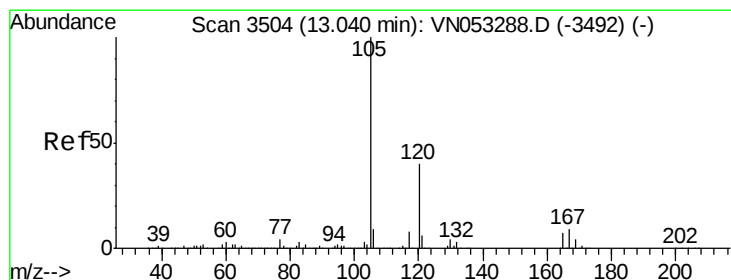
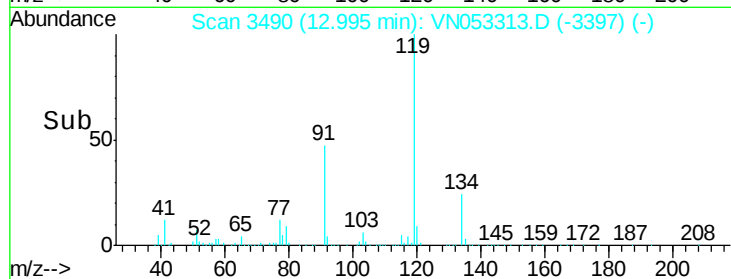
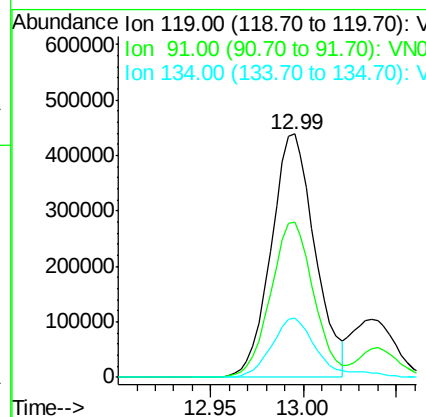
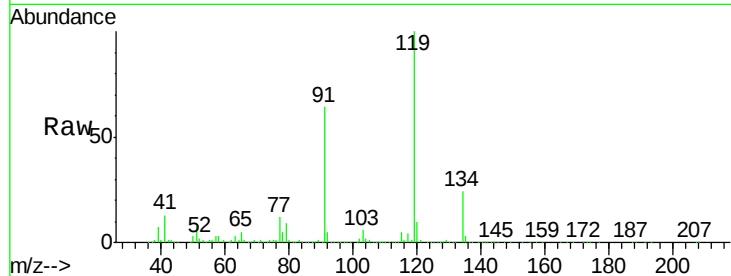
ClientSampleId :

VN0108WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 722897 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 62.8  | 31.6  | 95.0   |
| 134       | 25.6  | 12.9  | 38.6   |

Manual Integrations  
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1/9/2019 10:57:51 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.488 ug/l

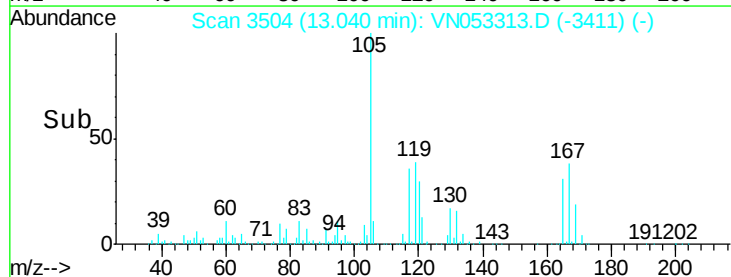
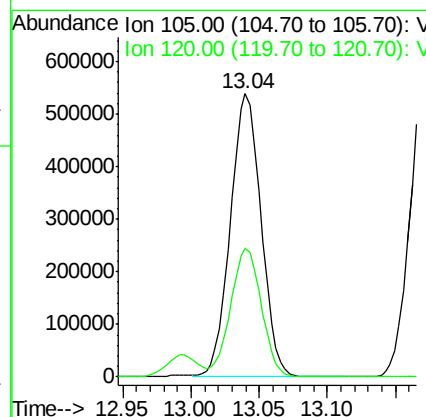
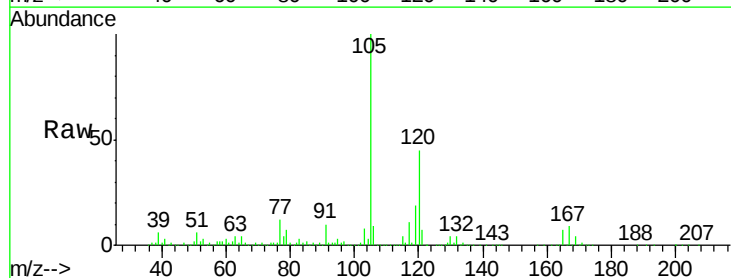
RT: 13.04 min Scan# 3504

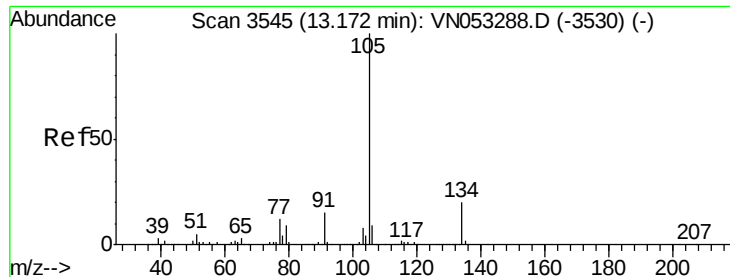
Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 840656 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.8  | 23.0  | 69.0   |





#85

sec-Butylbenzene

Concen: 20.542 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

ClientSampled :

VN0108WBSD01

Tot Ion:105 Resp: 957324

Ion Ratio Lower Upper

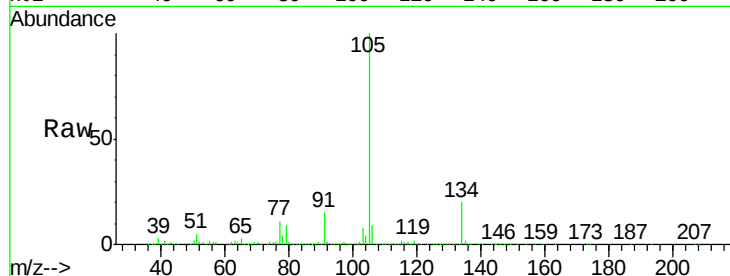
105 100

134 20.4 10.2 30.6

Manual Integrations  
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

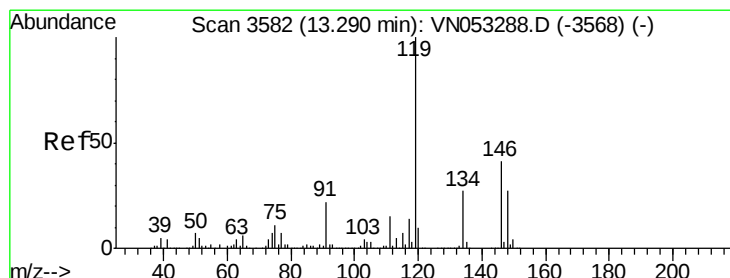
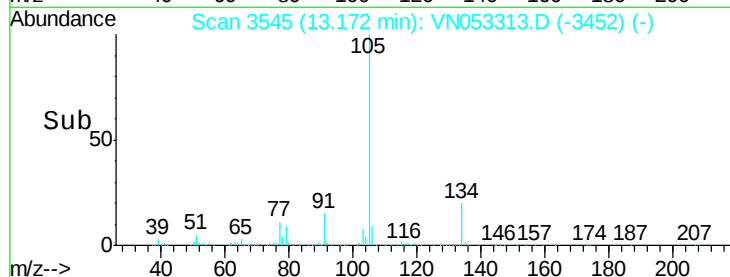
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.802 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

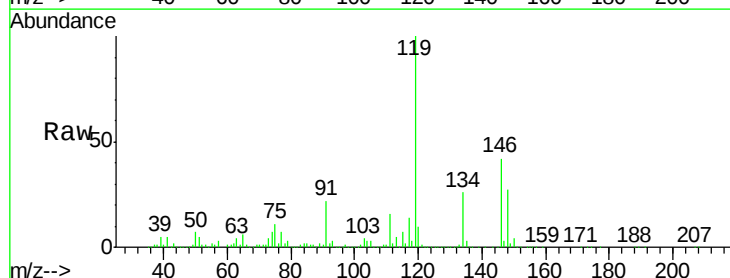
Tgt Ion:119 Resp: 839358

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.1 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

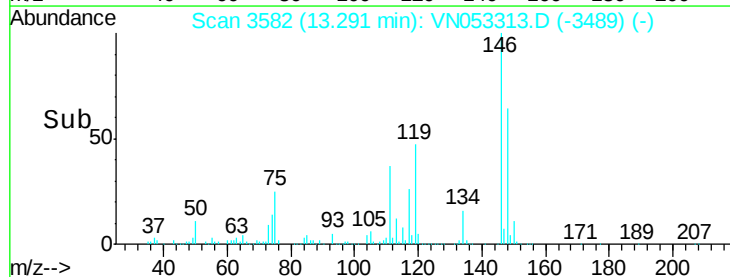
600000

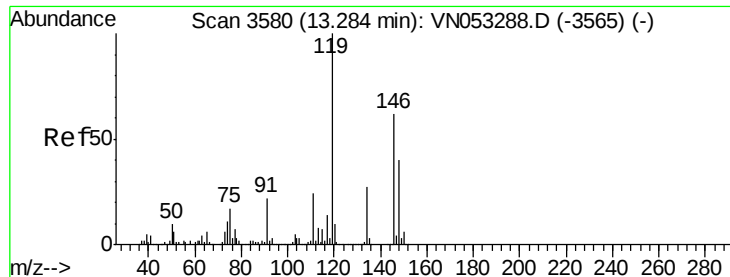
400000

200000

0

Time-->





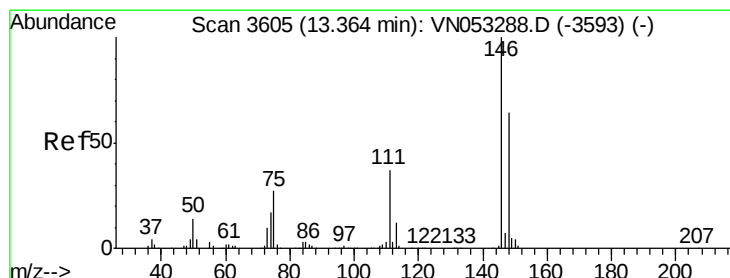
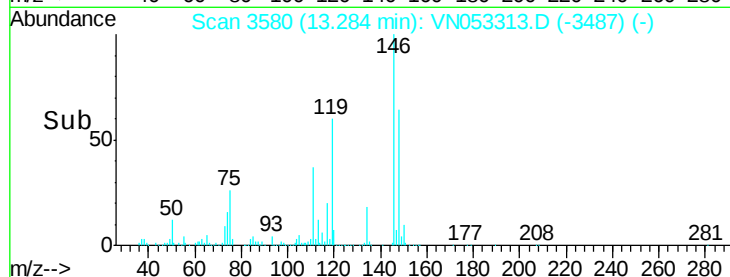
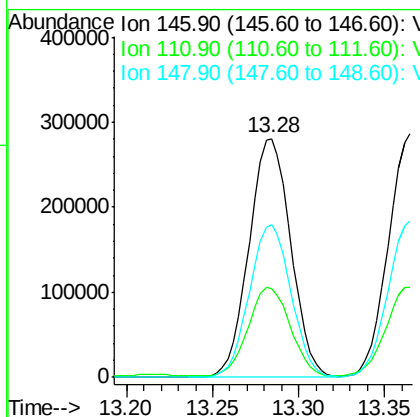
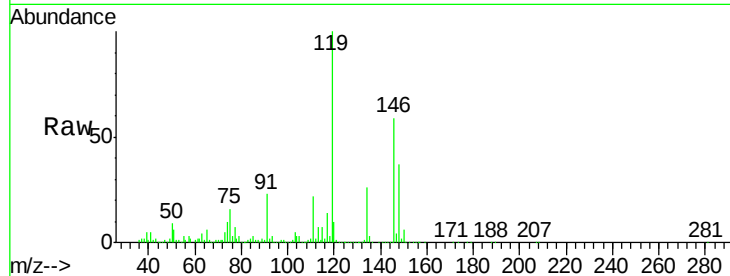
#87  
 1,3-Dichlorobenzene  
 Concen: 20.117 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.6  | 18.9  | 56.5  |
| 148     | 63.6  | 32.0  | 96.2  |

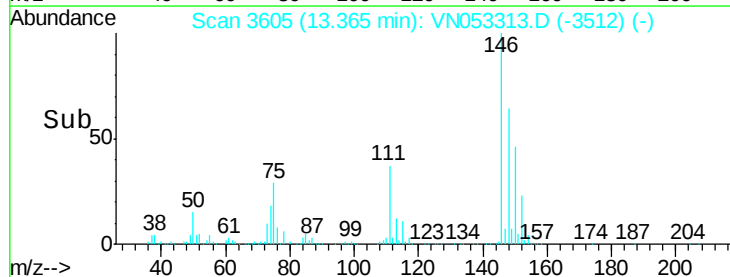
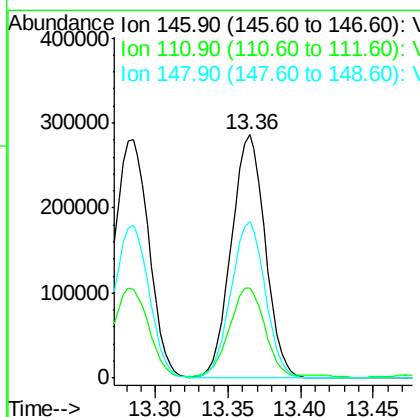
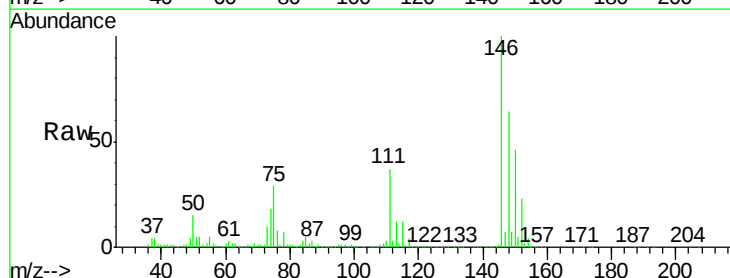
Manual Integrations  
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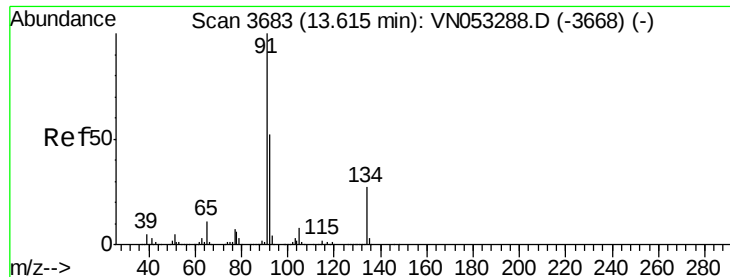
MMDadoda  
 1/9/2019 10:57:51 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.888 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.5  | 18.6  | 55.8  |
| 148     | 65.2  | 32.0  | 96.0  |





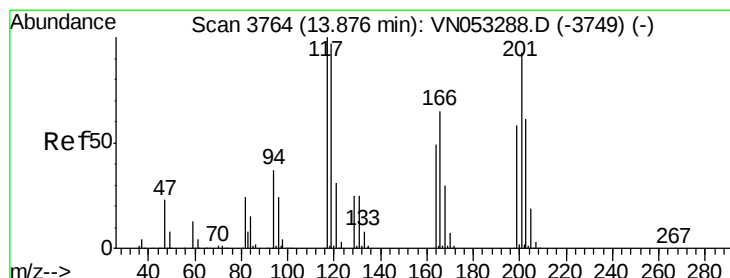
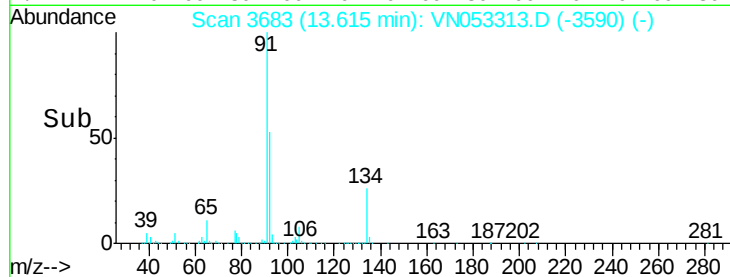
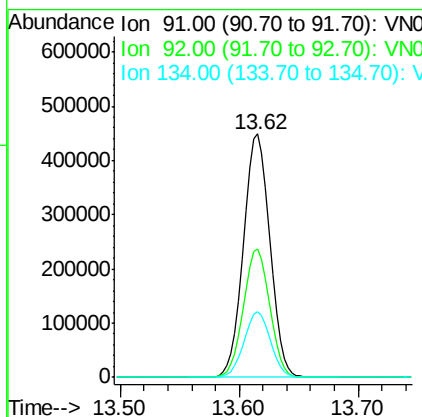
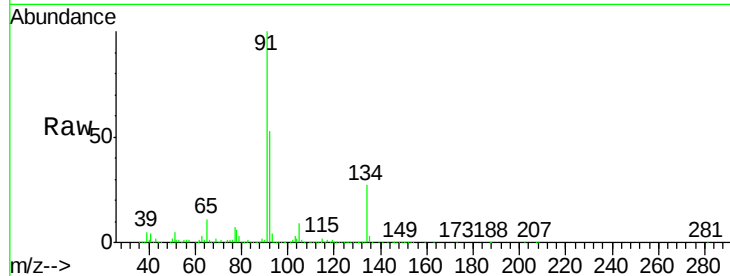
#89  
n-Butylbenzene  
Concen: 20.398 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0108WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.6  | 26.3  | 78.8  |
| 134     | 27.0  | 13.5  | 40.5  |

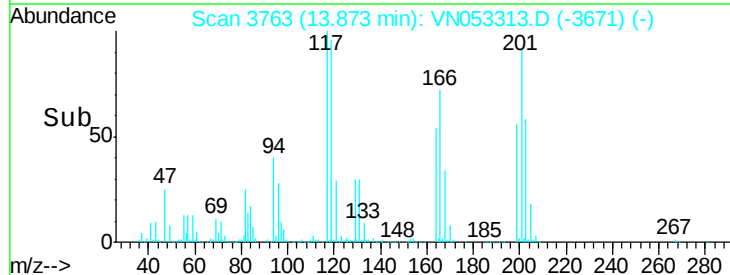
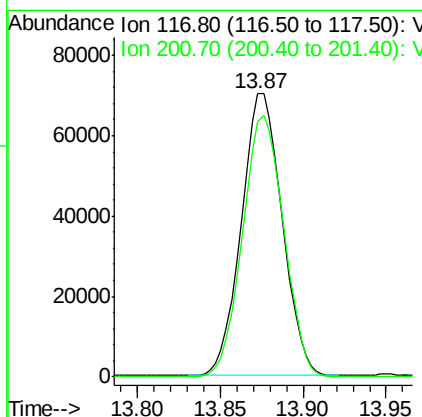
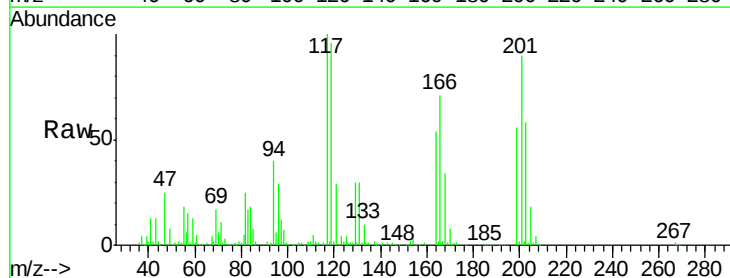
Manual Integrations  
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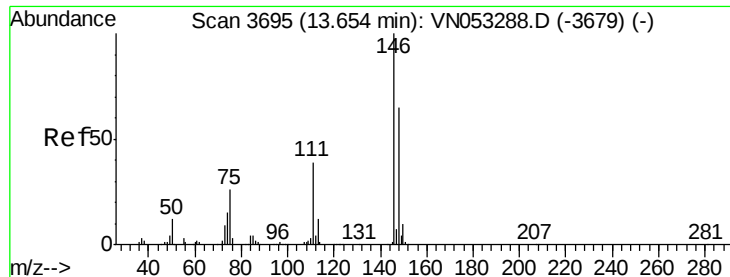
MMDadoda  
1/9/2019 10:57:51 AM



#90  
Hexachloroethane  
Concen: 18.474 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN053313.D  
Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 94.1  | 46.1  | 138.3 |





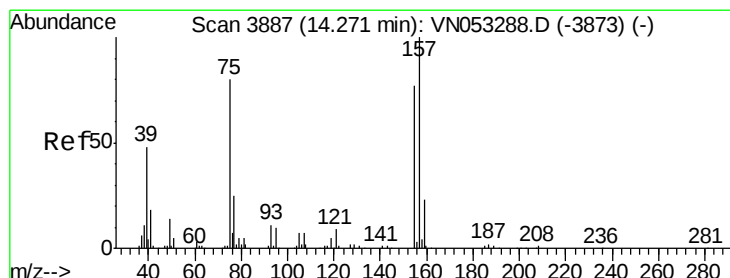
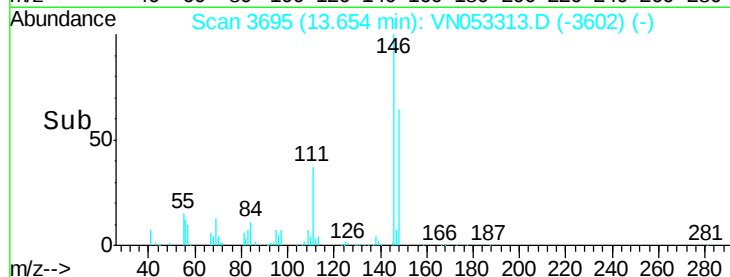
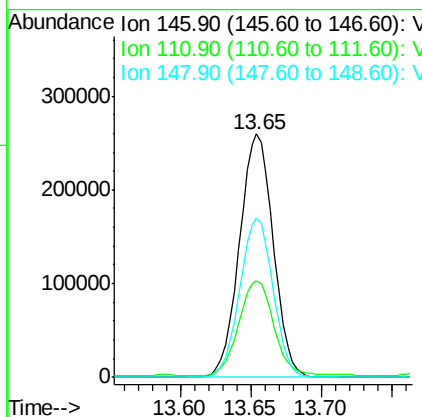
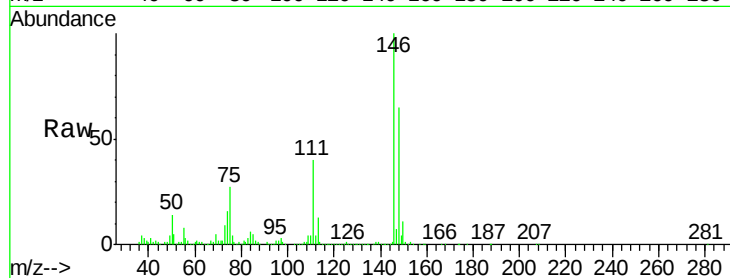
#91  
 1,2-Dichlorobenzene  
 Concen: 19.804 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0108WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 435956 |       |       |
| 111     | 41.9  | 19.4   | 58.2  |       |
| 148     | 64.7  | 32.2   | 96.6  |       |

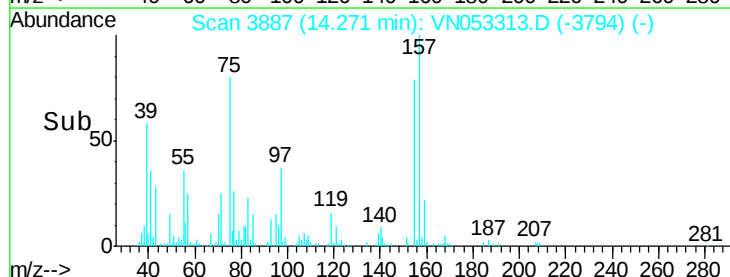
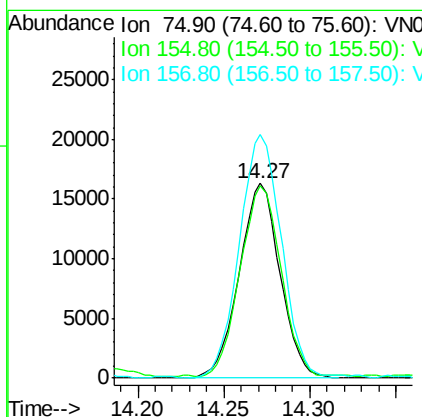
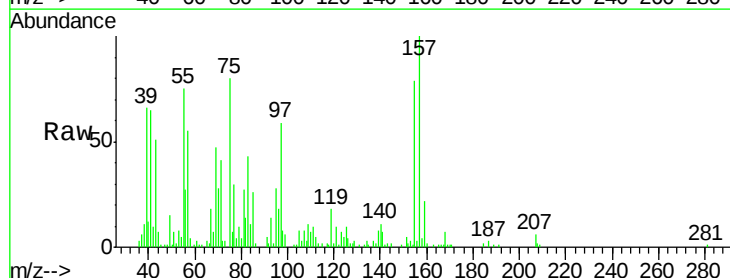
Manual Integrations  
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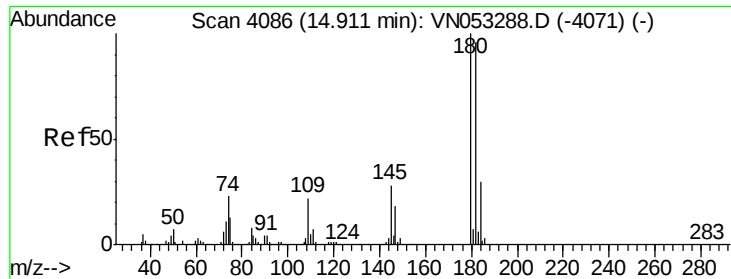
MMDadoda  
 1/9/2019 10:57:51 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.331 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 26969 |       |       |
| 155     | 97.5  | 48.1  | 144.3 |       |
| 157     | 128.8 | 61.5  | 184.4 |       |





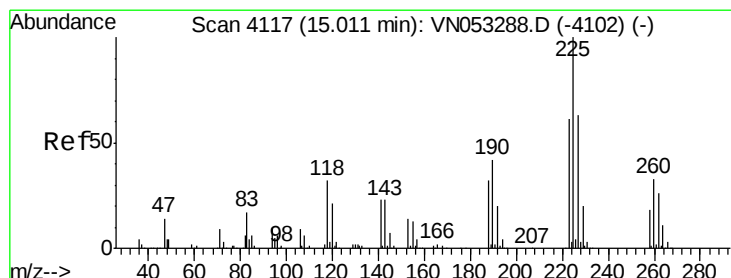
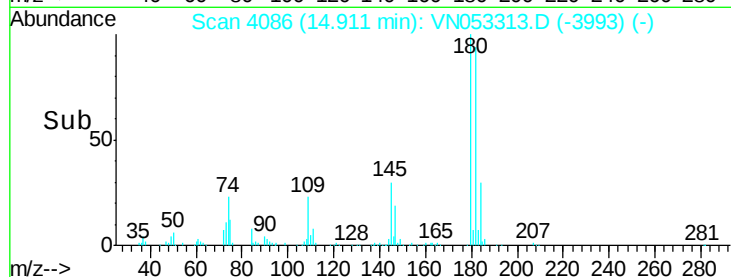
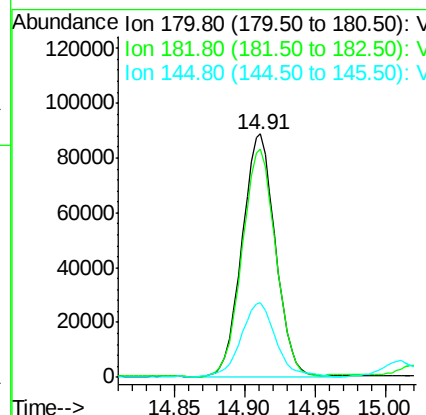
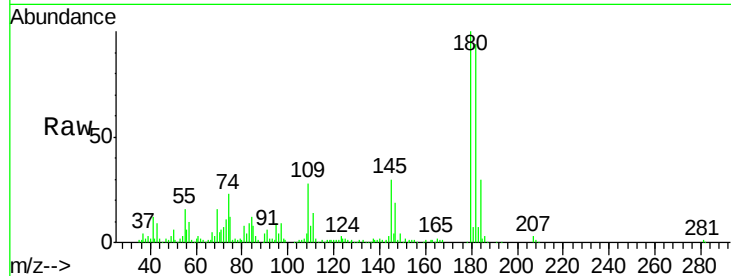
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.261 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0108WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 147158 |       |       |
| 182     | 94.3  | 47.8   | 143.4 |       |
| 145     | 31.7  | 14.4   | 43.0  |       |

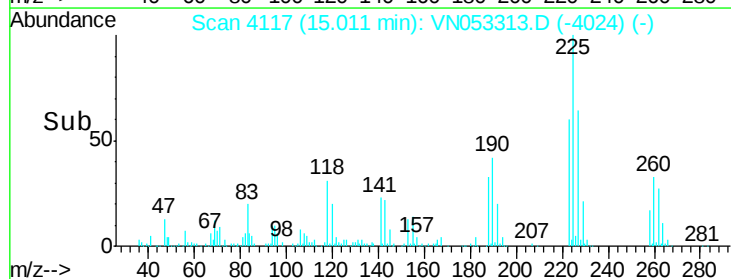
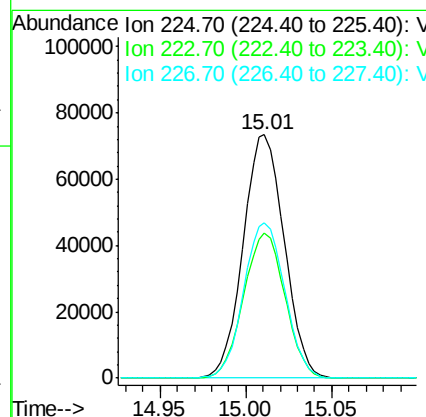
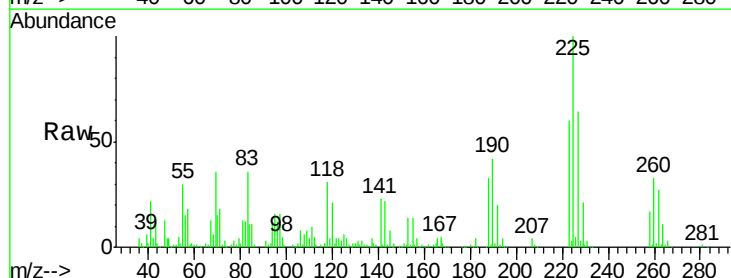
Manual Integrations  
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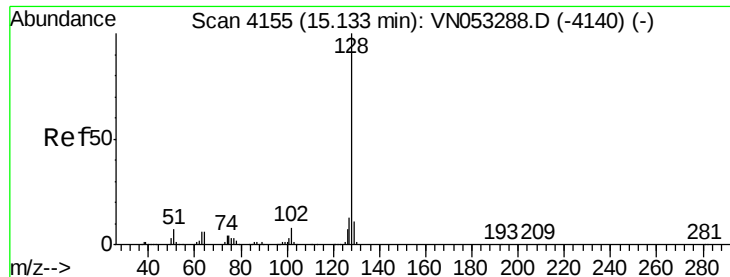
MMDadoda  
 1/9/2019 10:57:51 AM



#94  
 Hexachlorobutadiene  
 Concen: 21.571 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053313.D  
 Acq: 8 Jan 2019 12:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 122123 |       |       |
| 223     | 60.0  | 30.9   | 92.8  |       |
| 227     | 63.6  | 31.4   | 94.2  |       |





#95

Naphthalene

Concen: 23.435 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

Instrument :

MSVOA\_N

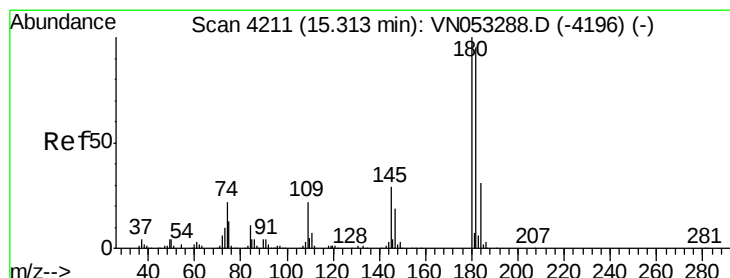
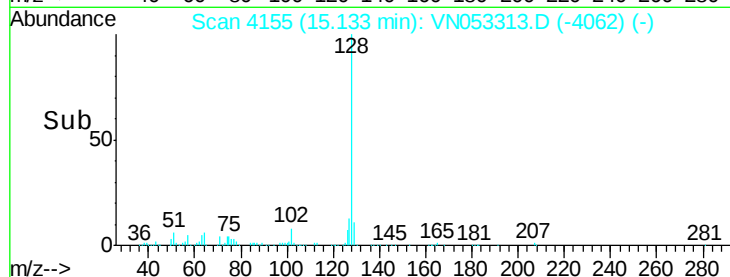
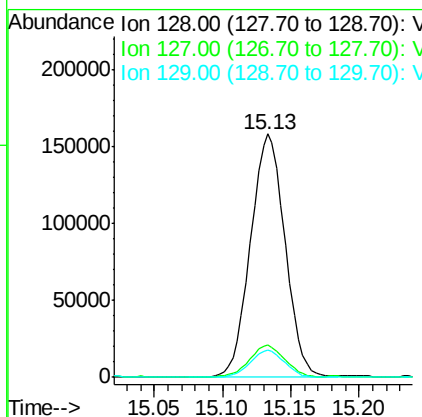
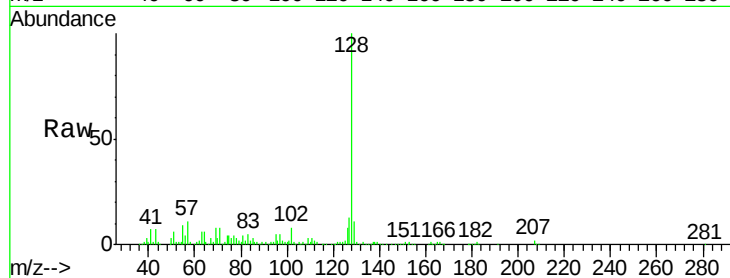
ClientSampleId :

VN0108WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 276715 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.3  | 10.4  | 15.6   |
| 129       | 11.3  | 8.7   | 13.1   |

Manual Integrations  
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1/9/2019 10:57:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.027 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053313.D

Acq: 8 Jan 2019 12:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 104352 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.8  | 48.4  | 145.0  |
| 145       | 35.5  | 14.9  | 44.5   |

