

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\  
 Data File : VN049362.D  
 Acq On : 19 Jun 2018 00:14  
 Operator : MD\SY  
 Sample : VN0618WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

Manual Integrations  
 APPROVED

MMDa  
 doda  
 6/19/2018 1:55:45 PM

Quant Time: Jun 19 04:10:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1291600  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2006957  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1810131  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 878211   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 949229   | 55.41 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.82% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 839933   | 51.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.46% |      |
| 50) Toluene-d8            | 10.09  | 98  | 3154904  | 51.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.06% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 1039950  | 50.87 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.74% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 274631  | 18.473  | ug/l   | 100    |
| 3) Chloromethane              | 2.06 | 50  | 350777  | 18.273  | ug/l   | 95     |
| 4) Vinyl Chloride             | 2.18 | 62  | 392078  | 19.218  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94  | 187021  | 17.438  | ug/l   | 98     |
| 6) Chloroethane               | 2.70 | 64  | 246157  | 20.235  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 525473  | 20.646  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 194950  | 21.939  | ug/l   | 92     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 329100  | 20.387  | ug/l   | 94     |
| 10) Methyl Iodide             | 3.95 | 142 | 282233  | 16.794  | ug/l   | 93     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 123366  | 122.696 | ug/l   | 97     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 301377  | 20.350  | ug/l   | 89     |
| 13) Acrolein                  | 3.61 | 56  | 73348   | 69.563  | ug/l   | 99     |
| 14) Allyl chloride            | 4.32 | 41  | 468258  | 20.025  | ug/l   | 90     |
| 15) Acrylonitrile             | 4.99 | 53  | 573493  | 114.068 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43  | 411930  | 99.035  | ug/l   | 92     |
| 17) Carbon Disulfide          | 4.05 | 76  | 825165  | 17.777  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 320207  | 25.248  | ug/l   | 94     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 852667  | 22.582  | ug/l   | 100    |
| 20) Methylene Chloride        | 4.55 | 84  | 368264  | 21.199  | ug/l   | 91     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 318133  | 20.291  | ug/l   | 89     |
| 22) Diisopropyl ether         | 5.96 | 45  | 1033767 | 22.138  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 3338936 | 109.684 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 629576  | 21.065  | ug/l   | 98     |
| 25) 2-Butanone                | 6.84 | 43  | 625394  | 111.975 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 376039  | 15.579  | ug/l   | 94     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 372996  | 21.398  | ug/l   | 88     |
| 28) Bromochloromethane        | 7.19 | 49  | 284771  | 21.491  | ug/l # | 83     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 417340  | 116.083 | ug/l   | 93     |
| 30) Chloroform                | 7.37 | 83  | 641773  | 21.577  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 518999  | 20.380  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 545455  | 21.493  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 454590  | 19.763  | ug/l   | 97     |
| 37) Ethyl Acetate             | 6.93 | 43  | 293699  | 23.487  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 475904  | 19.985  | ug/l   | 96     |

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 Operator : MD\SY  
 Sample : VN0618WBS02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

Manual Integrations  
 APPROVED

MMDa  
 doda  
 6/19/2018 1:55:45 PM

Quant Time: Jun 19 04:10:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 450490   | 18.245  | ug/l   | 97       |
| 40) Benzene                    | 8.04  | 78   | 1429347  | 20.269  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 153305   | 22.678  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 458945   | 21.065  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 567355   | 23.747  | ug/l   | 98       |
| 44) Trichloroethene            | 8.84  | 130  | 377064   | 20.248  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 380626   | 20.614  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 223944   | 20.917  | ug/l   | 91       |
| 47) Bromodichloromethane       | 9.41  | 83   | 489549   | 20.808  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 251998   | 22.398  | ug/l   | 89       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 72660    | 467.917 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1455543  | 116.239 | ug/l   | 94       |
| 52) Toluene                    | 10.16 | 92   | 881416   | 21.296  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 445236   | 19.782  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 520729   | 19.594  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 323888   | 20.992  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 388714   | 21.837  | ug/l # | 88       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 539527   | 21.108  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 556464   | 96.759  | ug/l   | 94       |
| 59) 2-Hexanone                 | 10.76 | 43   | 913374   | 113.140 | ug/l   | 93       |
| 60) Dibromochloromethane       | 10.90 | 129  | 359922   | 20.900  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 309722   | 21.596  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 404340   | 21.799  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.44 | 112  | 933601   | 20.021  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 355803   | 20.276  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1579490  | 20.421  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.63 | 106  | 1213041  | 41.790  | ug/l   | 97       |
| 69) o-Xylene                   | 11.95 | 106  | 587877   | 21.027  | ug/l   | 94       |
| 70) Styrene                    | 11.97 | 104  | 944007   | 21.402  | ug/l   | 98       |
| 71) Bromoform                  | 12.13 | 173  | 242306   | 21.332  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 1556390  | 20.184  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.07 | 43   | 403979   | 21.390  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 377953   | 22.598  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 345164m  | 23.035  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 396968   | 19.490  | ug/l   | 93       |
| 78) n-propylbenzene            | 12.59 | 91   | 1737436  | 20.521  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 1077643  | 20.088  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1263826  | 20.853  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 91089    | 19.213  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 1053756  | 20.361  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 13.00 | 119  | 1085261  | 20.212  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1261051  | 20.945  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1416096  | 19.815  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1194596  | 20.007  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 667149   | 19.911  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.37 | 146  | 649472   | 19.557  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 853916   | 18.310  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 240948   | 20.316  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 668158   | 20.332  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 57594    | 21.454  | ug/l   | 88       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\  
Data File : VN049362.D  
Acq On : 19 Jun 2018 00:14  
Operator : MD\SY  
Sample : VN0618WBS02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0618WBS02

Manual Integrations  
APPROVED

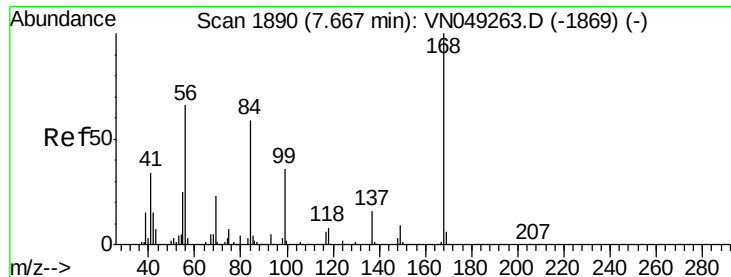
MMDa  
doda  
6/19/2018 1:55:45 PM

Quant Time: Jun 19 04:10:25 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 217290   | 17.801 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 192620   | 18.316 | ug/l  | 97       |
| 95) Naphthalene            | 15.14 | 128  | 446392   | 19.515 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 240494   | 18.662 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion:168 Resp: 1291600

Ion Ratio Lower Upper

168 100

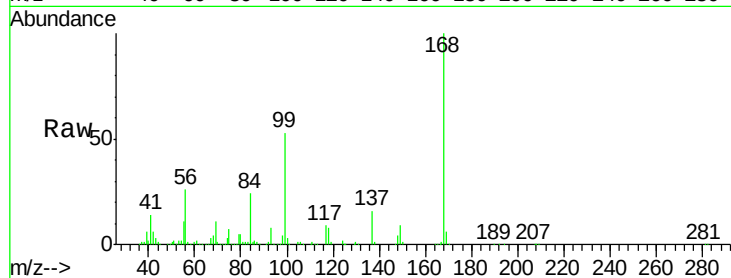
99 52.1 45.8 68.6

Manual Integrations  
APPROVED

MMDa

doda

6/19/2018 1:55:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

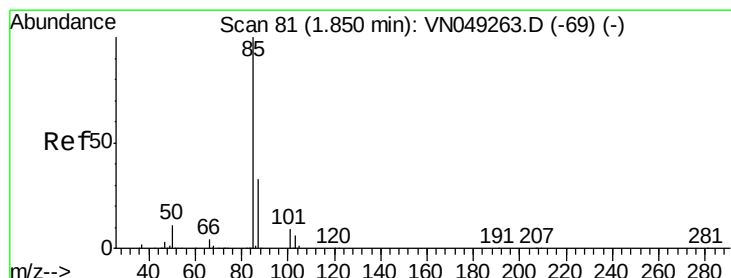
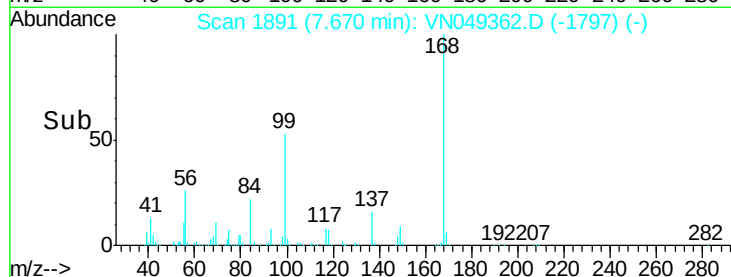
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.473 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049362.D

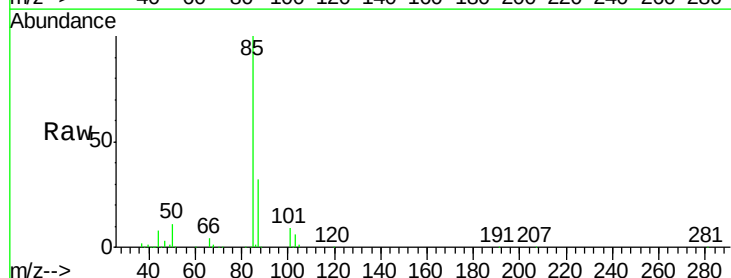
Acq: 19 Jun 2018 00:14

Tgt Ion: 85 Resp: 274631

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

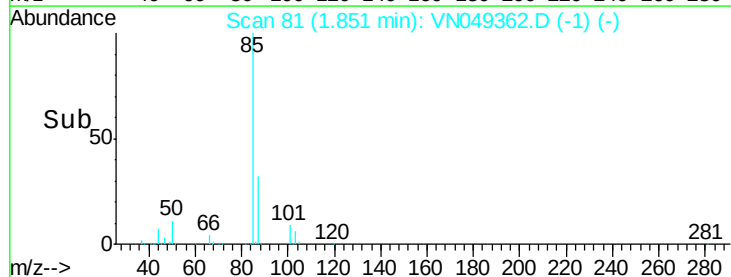
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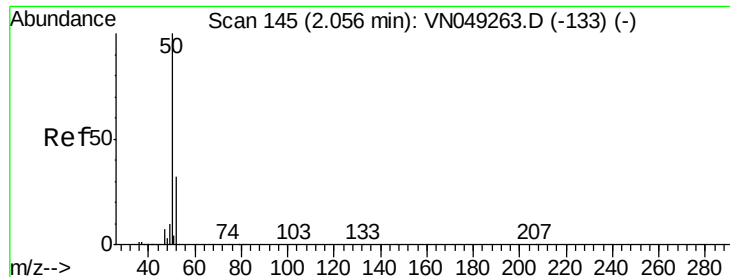
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50000

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Time-->





#3

Chloromethane

Concen: 18.273 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion: 50 Resp: 350777

Ion Ratio Lower Upper

50 100

52 34.0 25.2 37.8

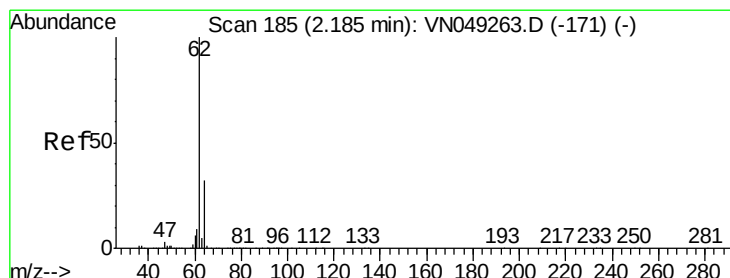
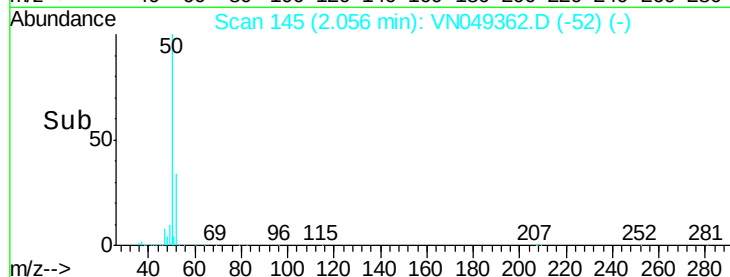
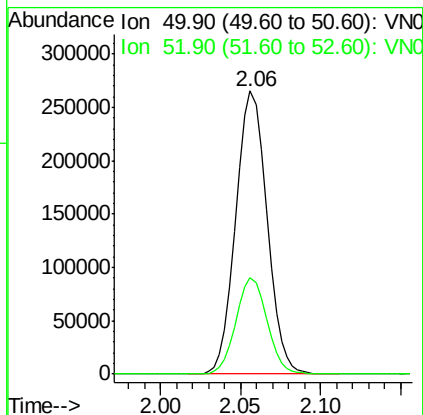
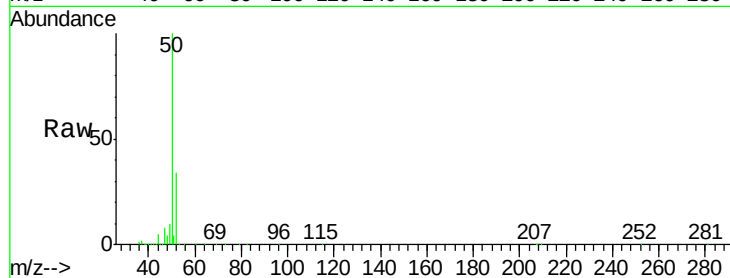
Manual Integrations

APPROVED

MMDa

doda

6/19/2018 1:55:45 PM



#4

Vinyl Chloride

Concen: 19.218 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049362.D

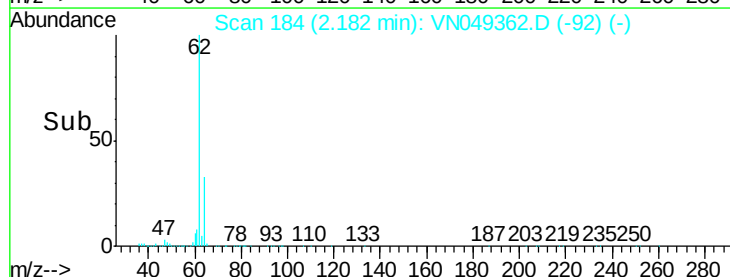
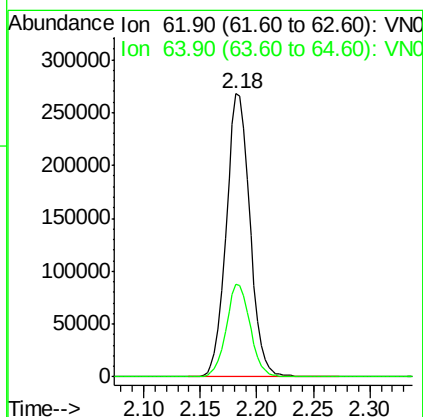
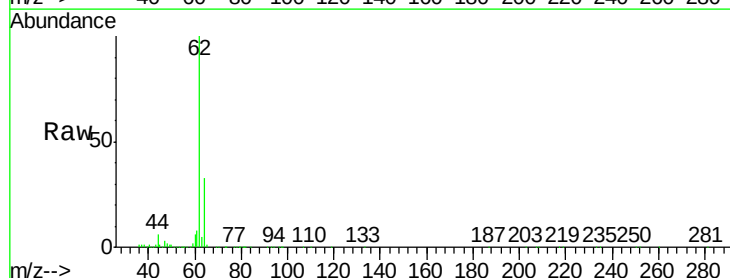
Acq: 19 Jun 2018 00:14

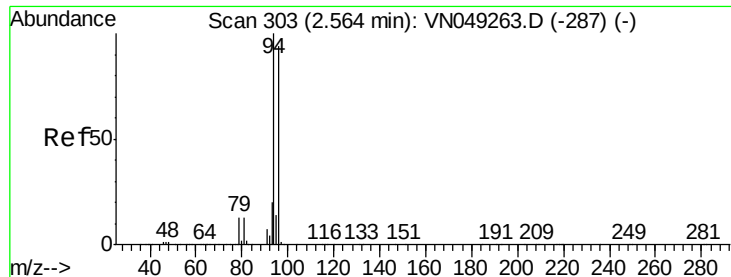
Tgt Ion: 62 Resp: 392078

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 17.438 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion: 94 Resp: 187021

Ion Ratio Lower Upper

94 100

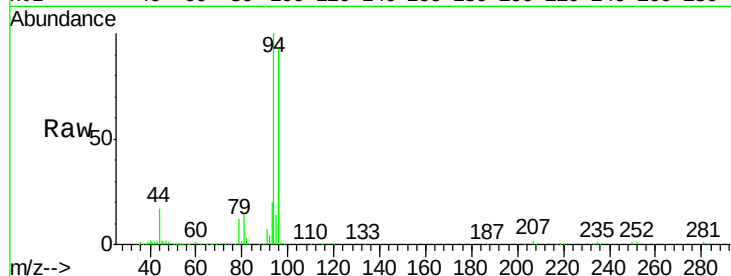
96 92.5 72.8 109.2

Manual Integrations  
APPROVED

MMDa

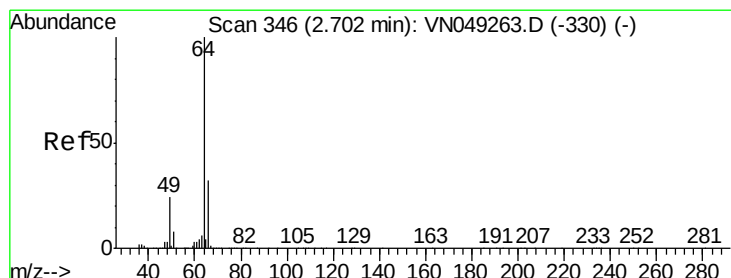
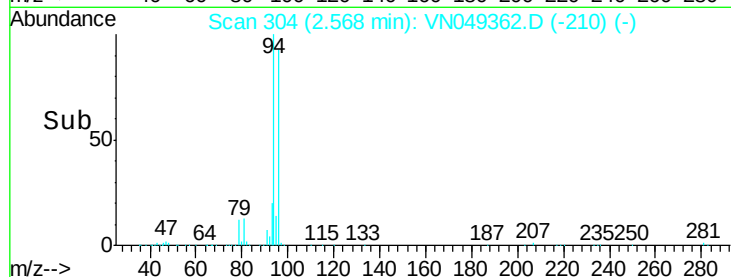
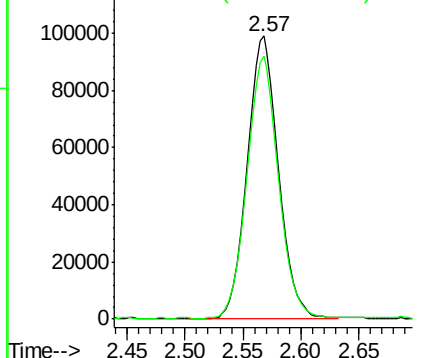
doda

6/19/2018 1:55:45 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.235 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049362.D

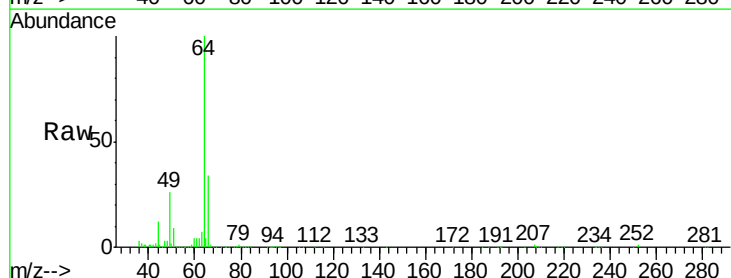
Acq: 19 Jun 2018 00:14

Tgt Ion: 64 Resp: 246157

Ion Ratio Lower Upper

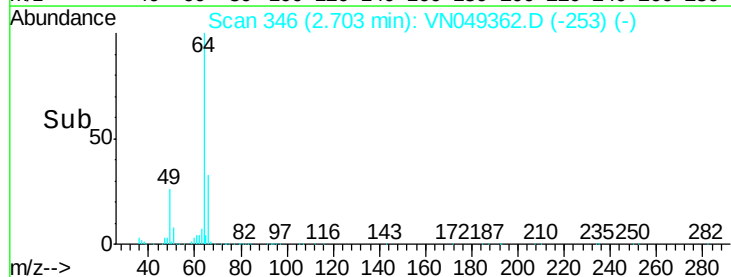
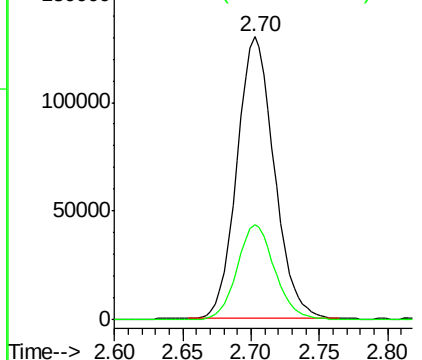
64 100

66 33.4 25.6 38.4

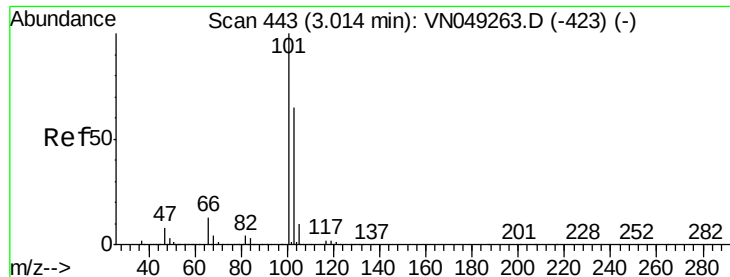


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0







#7

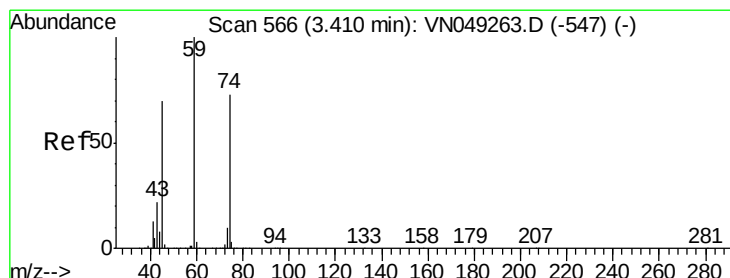
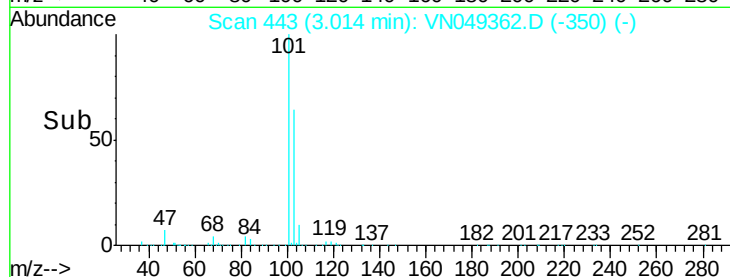
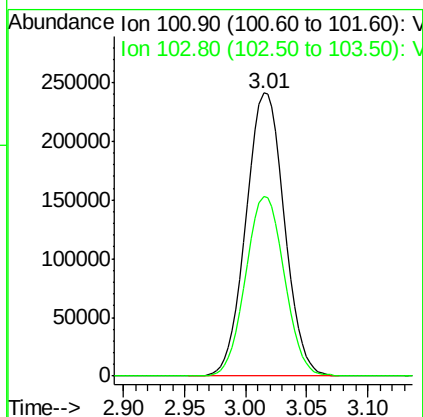
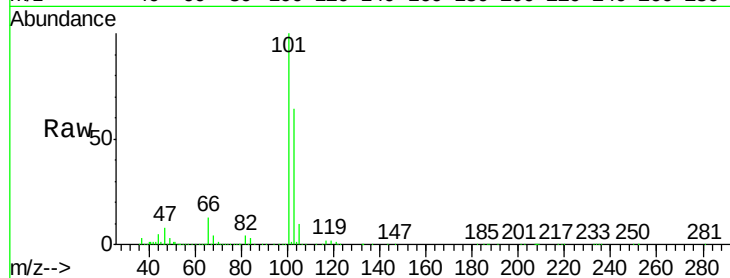
Trichlorofluoromethane  
Concen: 20.646 ug/l  
RT: 3.01 min Scan# 443  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0618WBS02

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 525473 |       |       |
| 103     | 63.4 | 51.7  | 77.5   |       |       |

Manual Integrations  
APPROVED

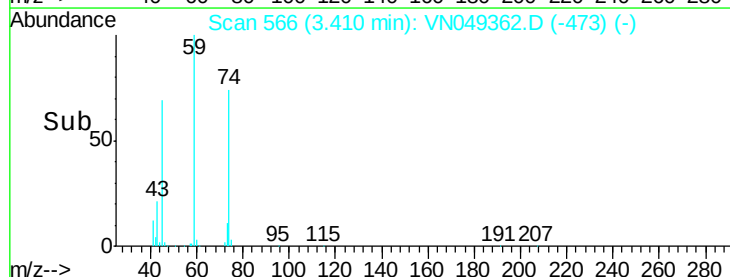
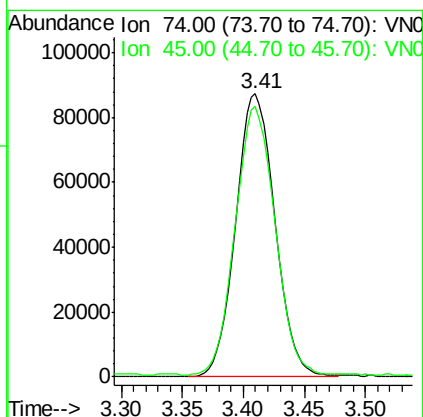
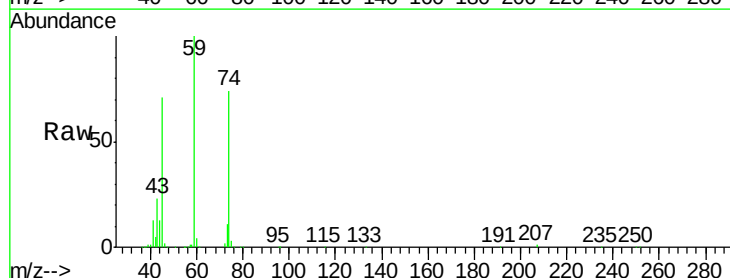
MMDadoda  
6/19/2018 1:55:45 PM



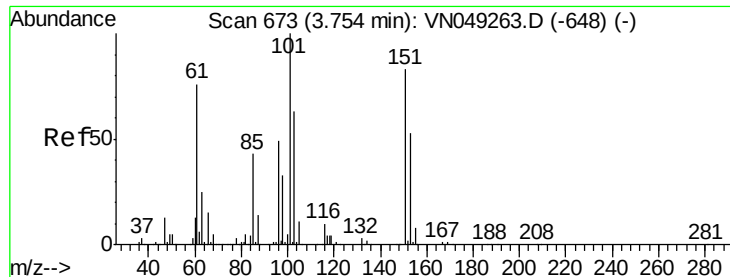
#8

Diethyl Ether  
Concen: 21.939 ug/l  
RT: 3.41 min Scan# 566  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 74      | 100  |       | 194950 |       |       |
| 45      | 95.4 | 51.9  | 155.8  |       |       |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.387 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

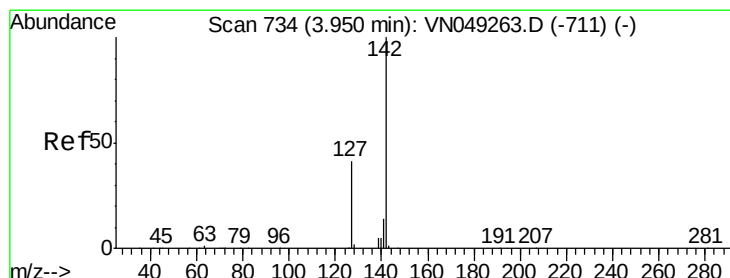
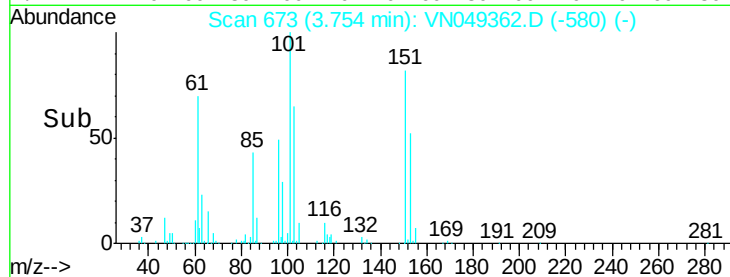
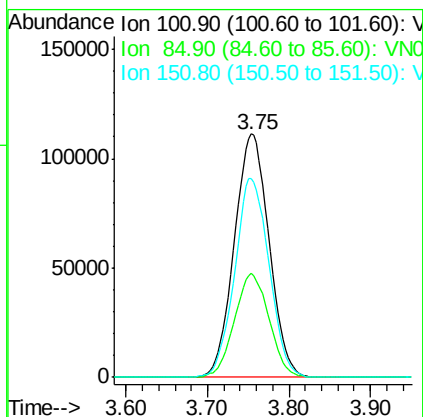
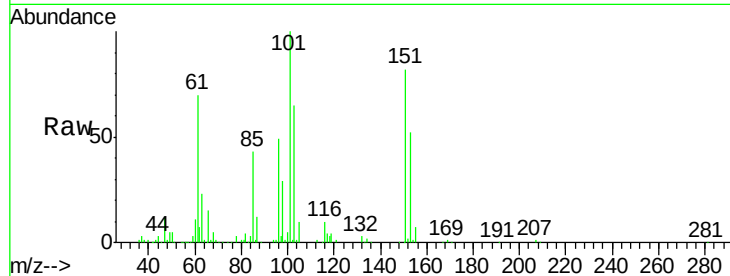
ClientSampleId :

VN0618WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 329100 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.3  | 37.6  | 56.4   |
| 151       | 80.7  | 61.1  | 91.7   |

Manual Integrations  
APPROVED

MMDadoda  
6/19/2018 1:55:45 PM



#10

Methyl Iodide

Concen: 16.794 ug/l

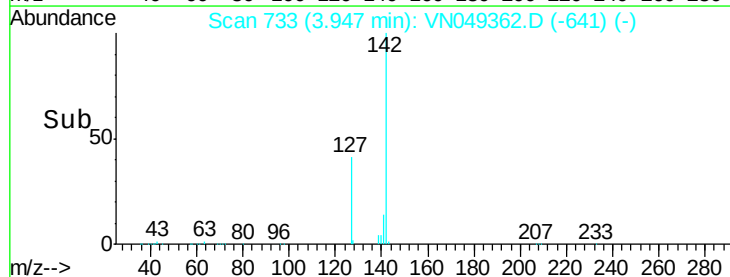
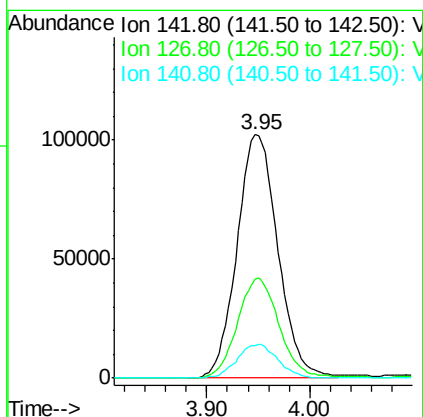
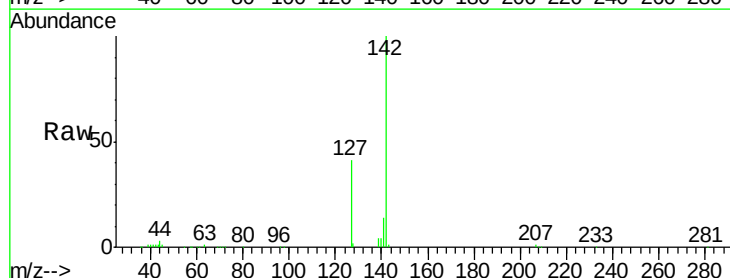
RT: 3.95 min Scan# 733

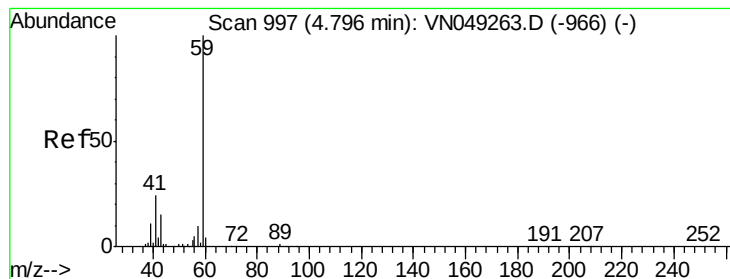
Delta R.T. -0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 282233 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.0  | 38.2  | 57.4   |
| 141       | 13.8  | 11.9  | 17.9   |





#11

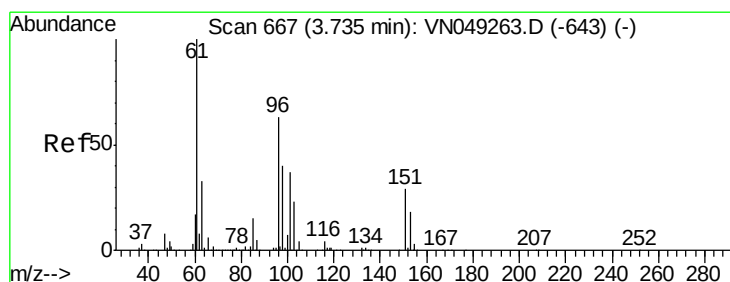
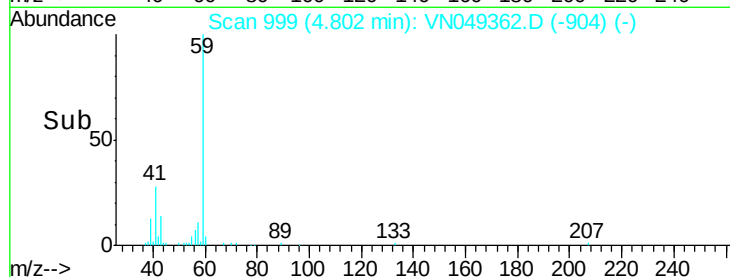
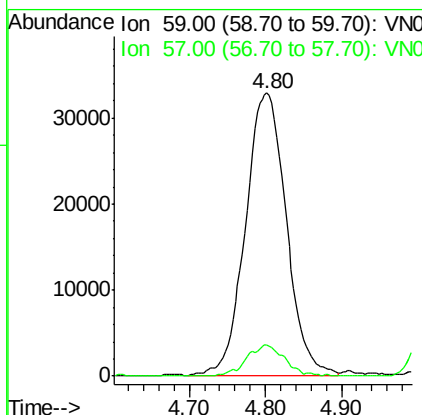
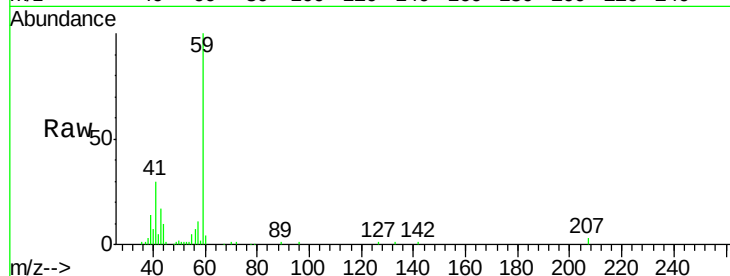
Tert butyl alcohol  
Concen: 122.696 ug/l  
RT: 4.80 min Scan# 999  
Delta R.T. 0.01 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.0  | 9.0   | 13.6  |

Manual Integrations  
APPROVED

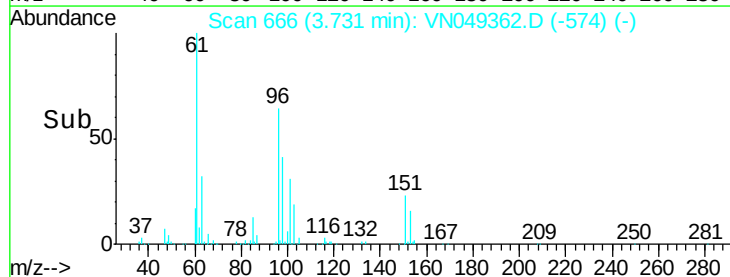
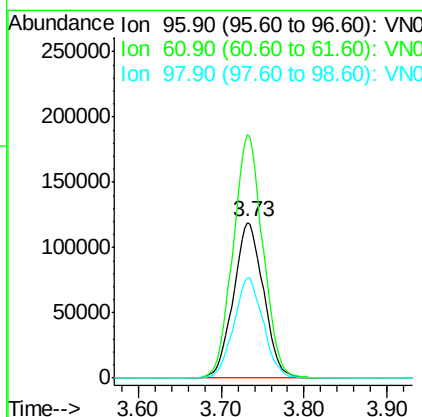
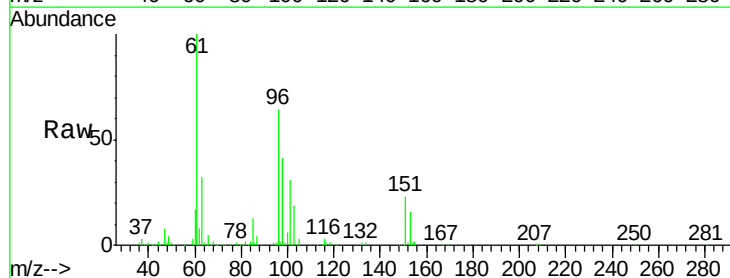
MMDadoda  
6/19/2018 1:55:45 PM

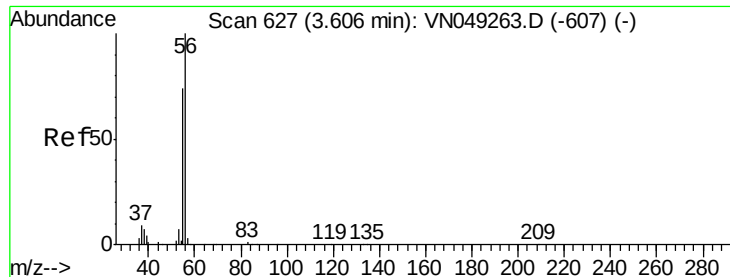


#12

1,1-Dichloroethene  
Concen: 20.350 ug/l  
RT: 3.73 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 156.7 | 141.0 | 211.4 |
| 98      | 64.4  | 50.4  | 75.6  |





#13

Acrolein

Concen: 69.563 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion: 56 Resp: 73348

Ion Ratio Lower Upper

56 100

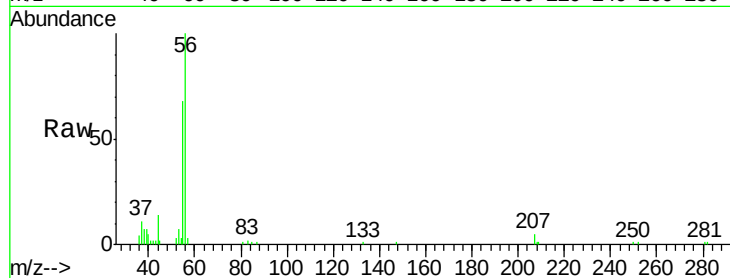
55 72.4 57.1 85.7

Manual Integrations

APPROVED

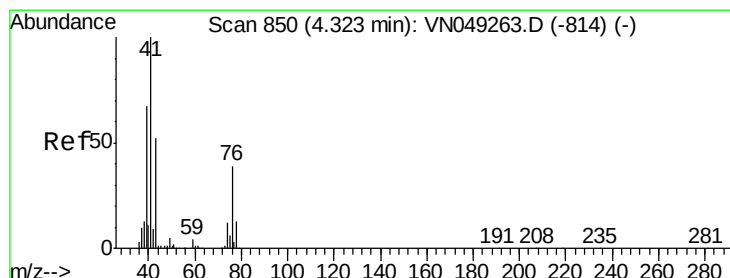
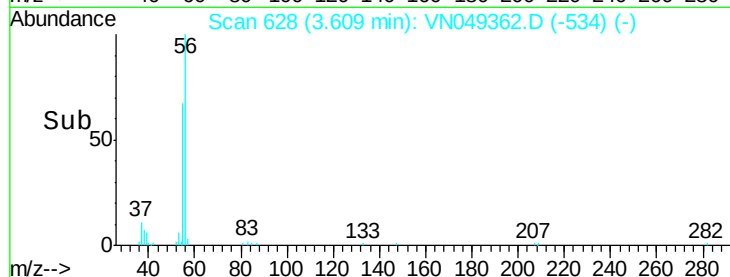
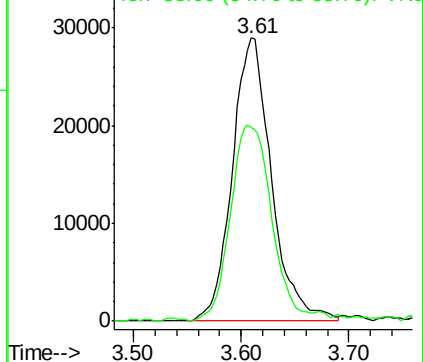
MMDadoda

6/19/2018 1:55:45 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.025 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

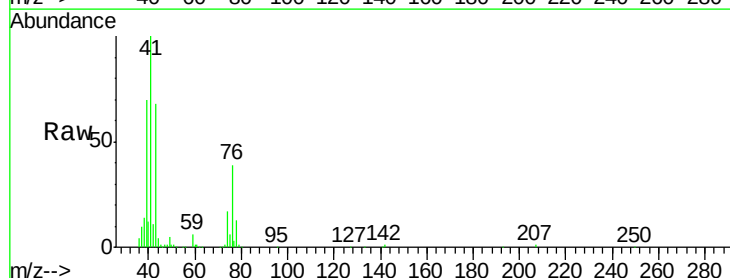
Tgt Ion: 41 Resp: 468258

Ion Ratio Lower Upper

41 100

39 67.0 62.5 93.7

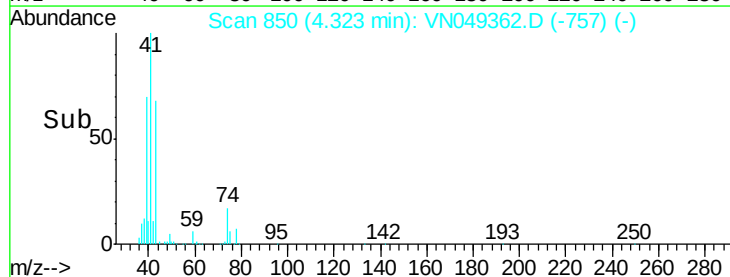
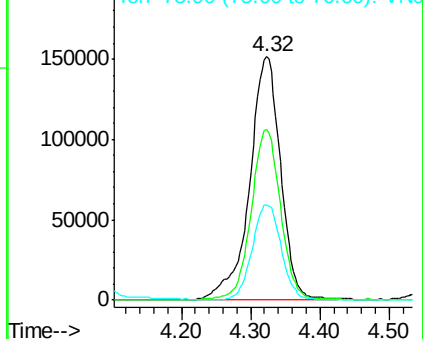
76 36.8 27.1 40.7

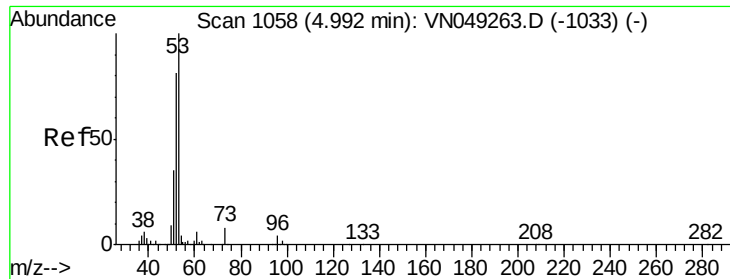


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





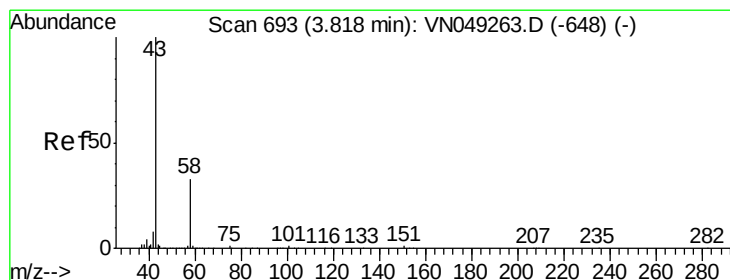
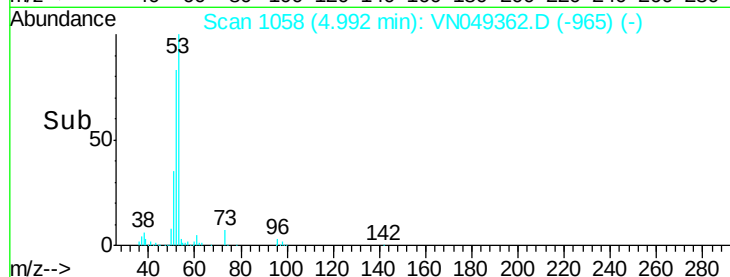
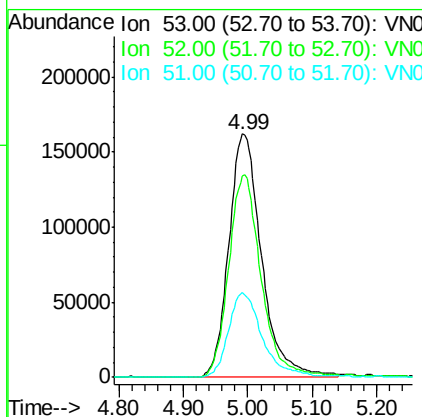
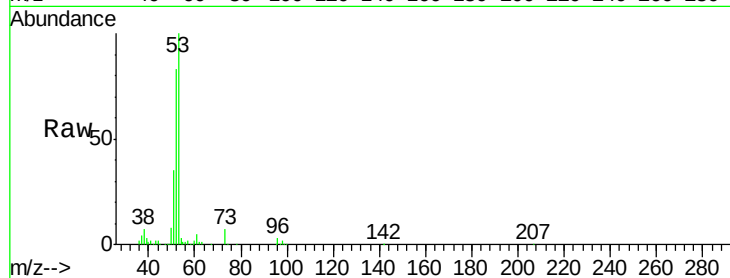
#15  
 Acrylonitrile  
 Concen: 114.068 ug/l  
 RT: 4.99 min Scan# 1058  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 53      | 53  | 100   |       |       |
| 52      | 52  | 82.6  | 66.6  | 100.0 |
| 51      | 51  | 36.2  | 29.8  | 44.8  |

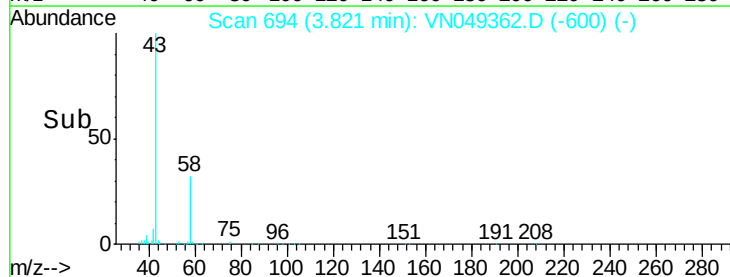
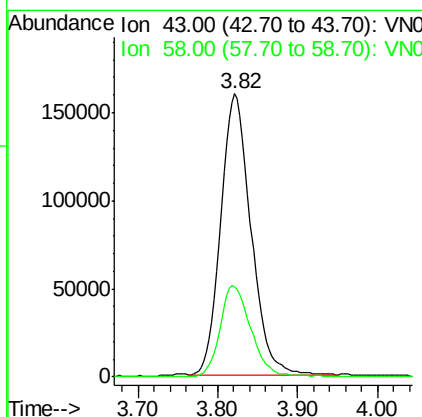
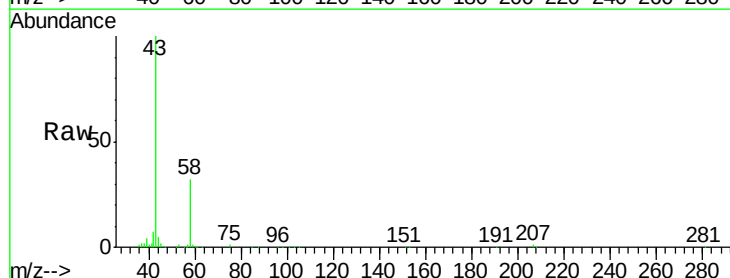
Manual Integrations  
 APPROVED

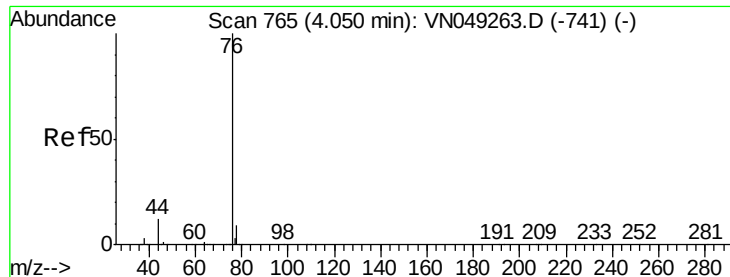
MMDadoda  
 6/19/2018 1:55:45 PM



#16  
 Acetone  
 Concen: 99.035 ug/l  
 RT: 3.82 min Scan# 694  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 43      | 43  | 100   |       |       |
| 58      | 58  | 32.1  | 22.4  | 33.6  |





#17

Carbon Disulfide

Concen: 17.777 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion: 76 Resp: 825165

Ion Ratio Lower Upper

76 100

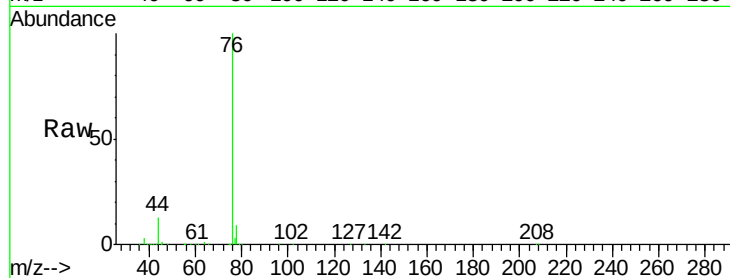
78 9.1 7.4 11.0

Manual Integrations

APPROVED

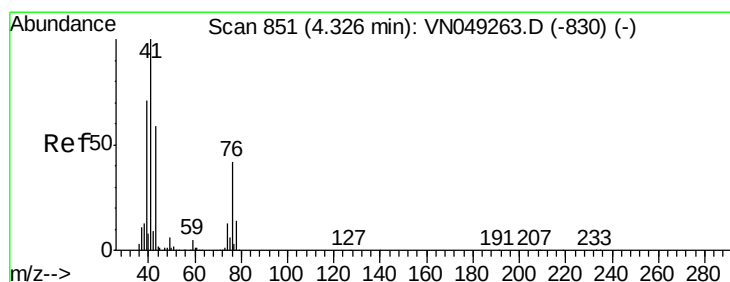
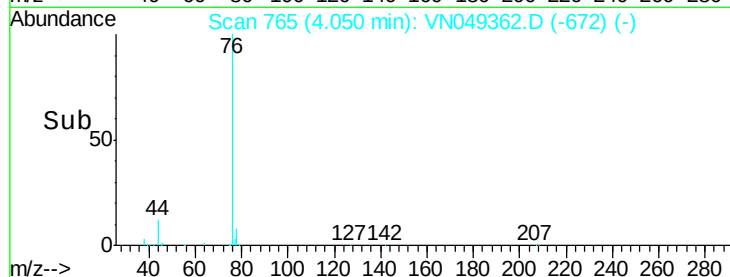
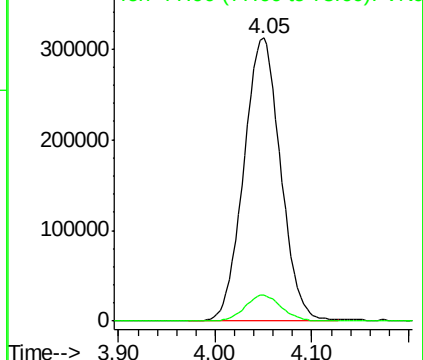
MMDadoda

6/19/2018 1:55:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 25.248 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049362.D

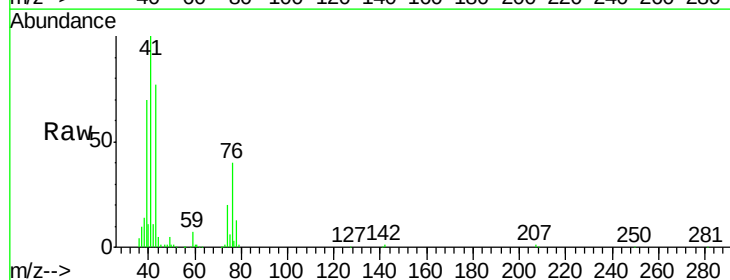
Acq: 19 Jun 2018 00:14

Tgt Ion: 43 Resp: 320207

Ion Ratio Lower Upper

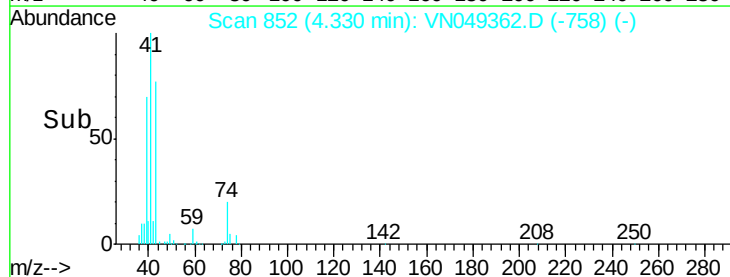
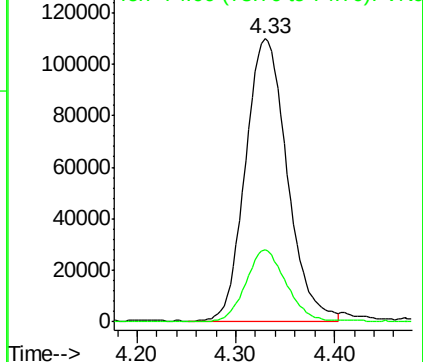
43 100

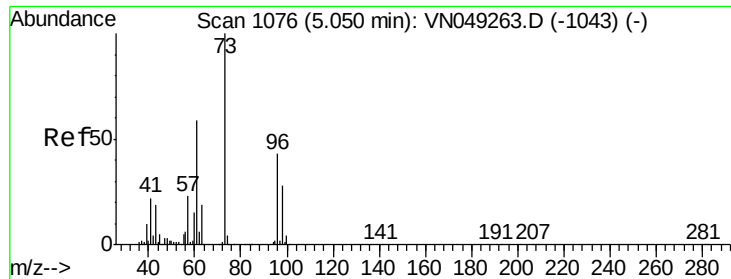
74 24.7 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





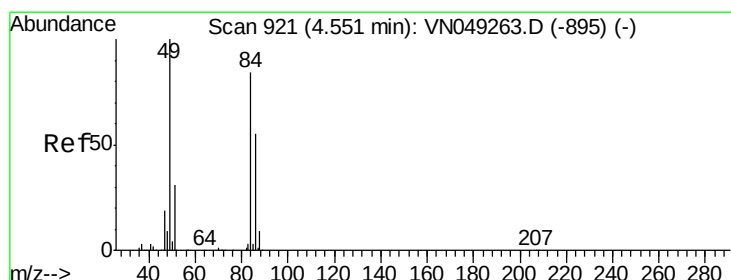
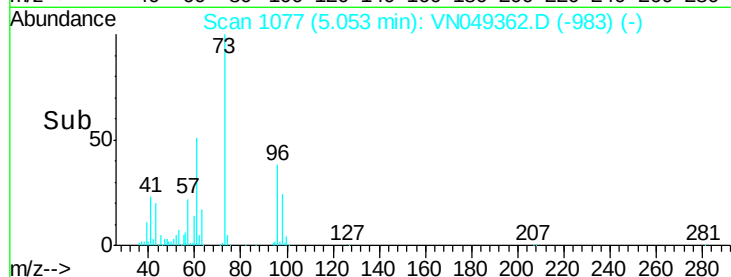
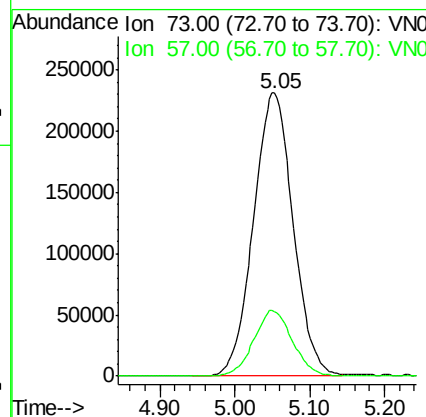
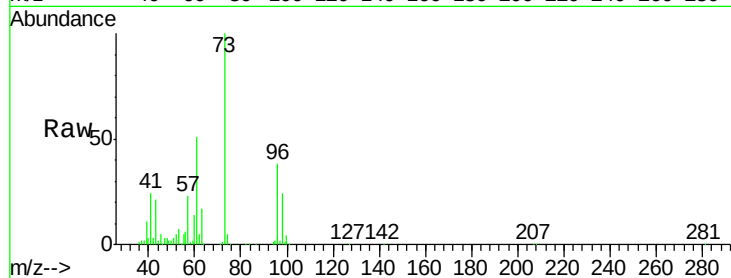
#19  
Methyl tert-butyl Ether  
Concen: 22.582 ug/l  
RT: 5.05 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0618WBS02

Tot Ion: 73 Resp: 852667  
Ion Ratio Lower Upper  
73 100  
57 22.7 18.2 27.4

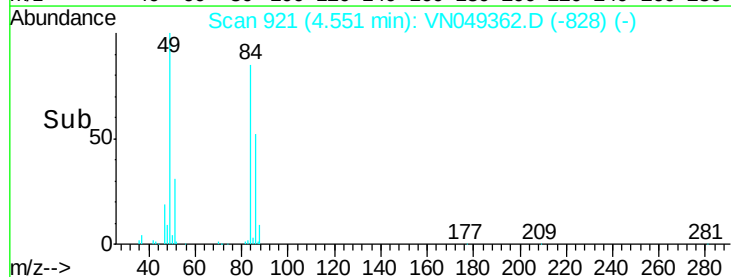
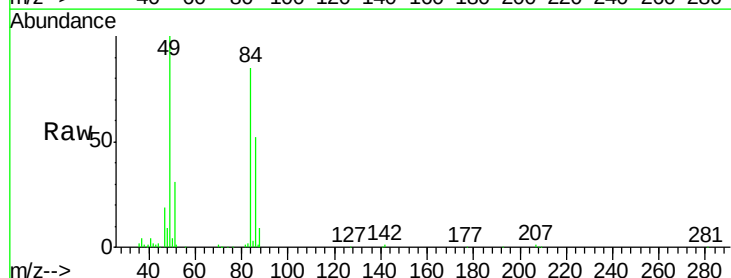
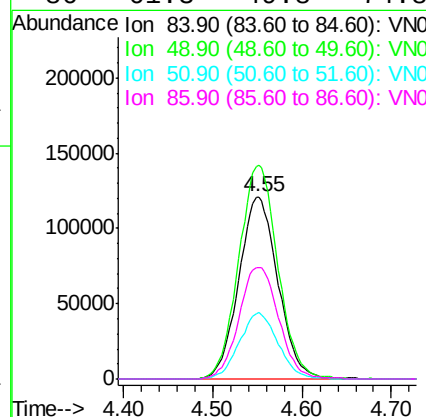
Manual Integrations  
APPROVED

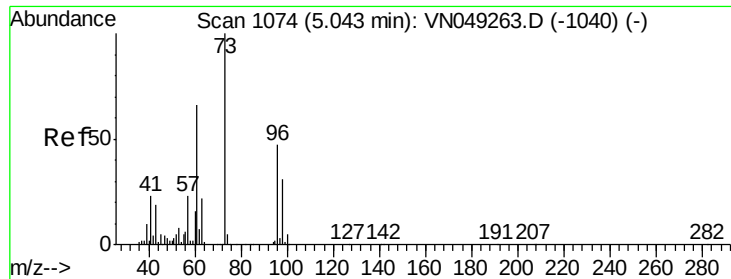
MMDadoda  
6/19/2018 1:55:45 PM



#20  
Methylene Chloride  
Concen: 21.199 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Tgt Ion: 84 Resp: 368264  
Ion Ratio Lower Upper  
84 100  
49 117.1 106.9 160.3  
51 36.3 32.7 49.1  
86 61.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.291 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

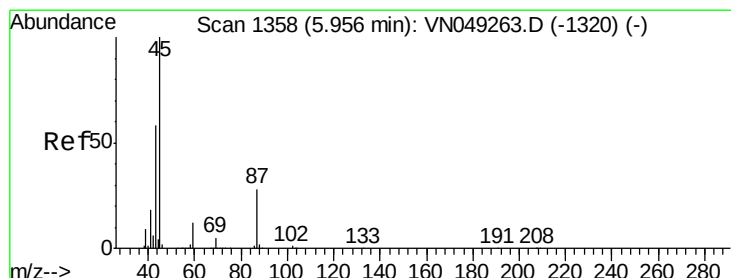
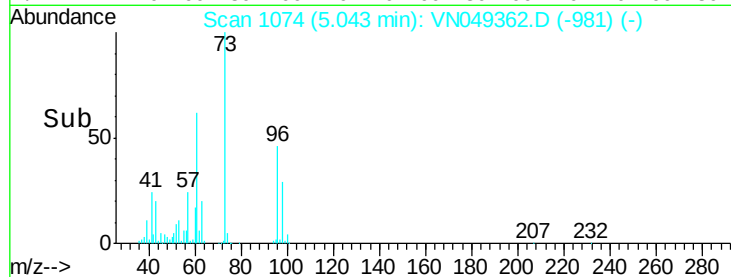
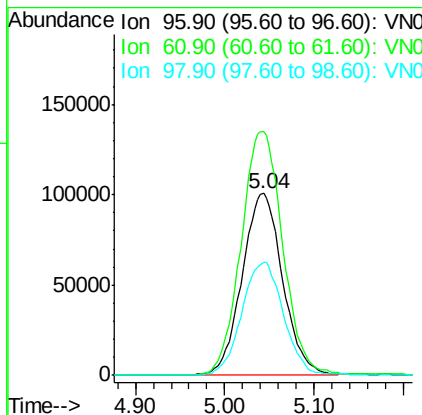
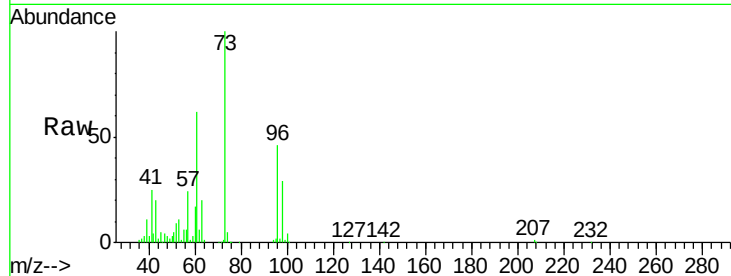
ClientSampleId :

VN0618WBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 318133 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 133.8 | 121.3 | 181.9  |
| 98       | 62.1  | 52.0  | 78.0   |

Manual Integrations  
APPROVED

MMDadoda  
6/19/2018 1:55:45 PM



#22

Diisopropyl ether

Concen: 22.138 ug/l

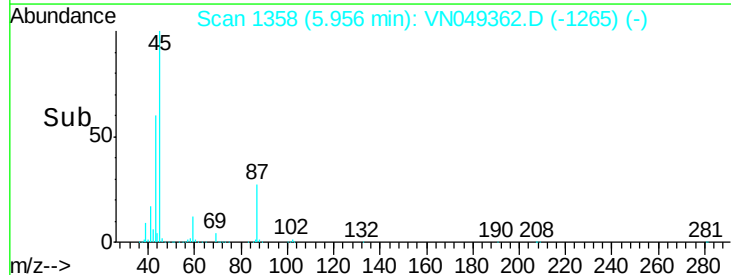
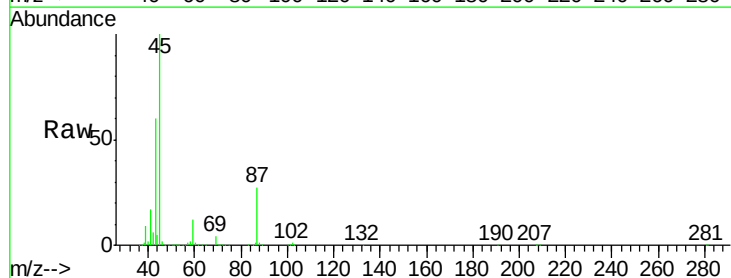
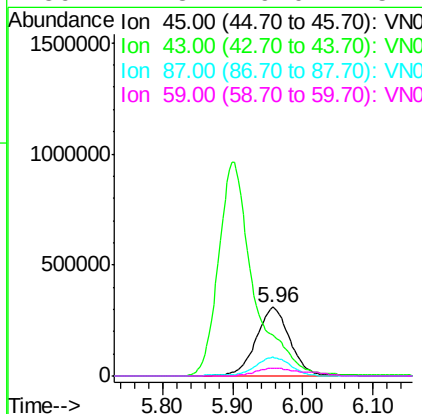
RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

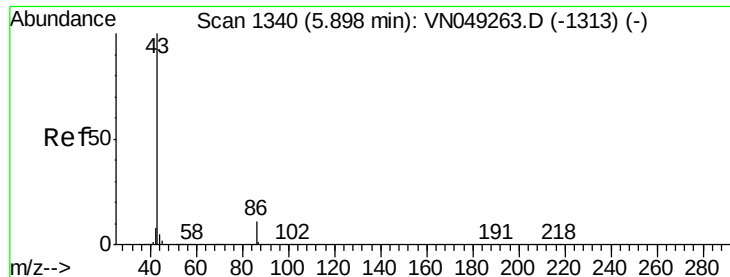
Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 1033767 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 59.2  | 48.6  | 72.8    |
| 87       | 26.9  | 20.2  | 30.2    |
| 59       | 11.8  | 9.0   | 13.4    |







#23

Vinyl Acetate

Concen: 109.684 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion: 43 Resp: 3338936

Ion Ratio Lower Upper

43 100

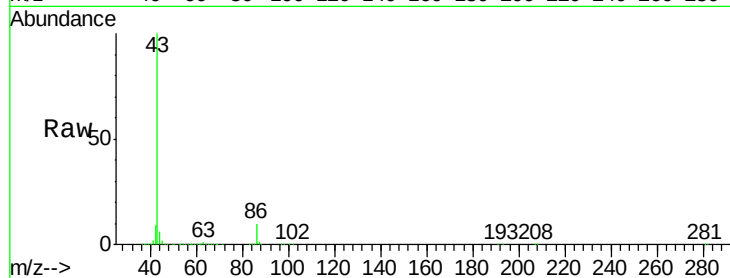
86 10.2 7.2 10.8

Manual Integrations

APPROVED

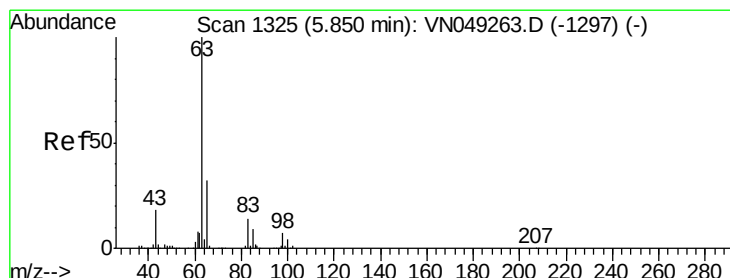
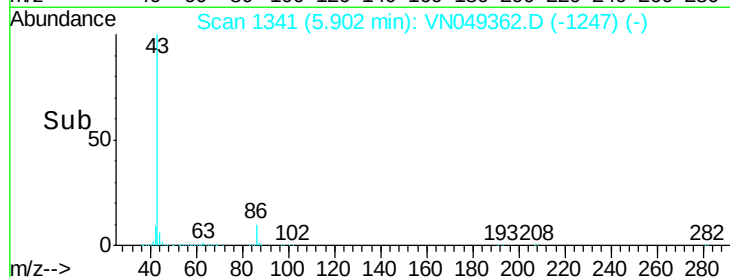
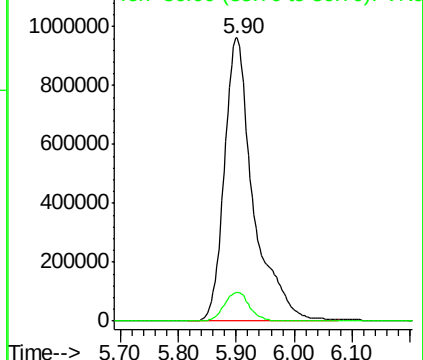
MMDadoda

6/19/2018 1:55:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.065 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

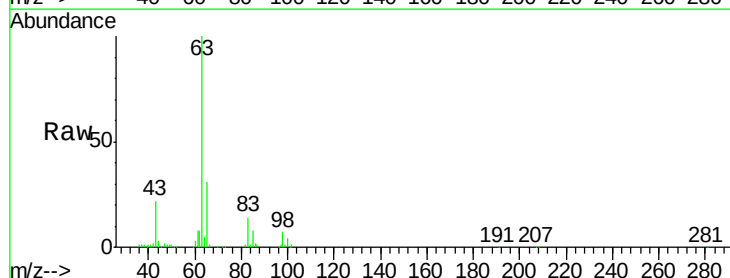
Tgt Ion: 63 Resp: 629576

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

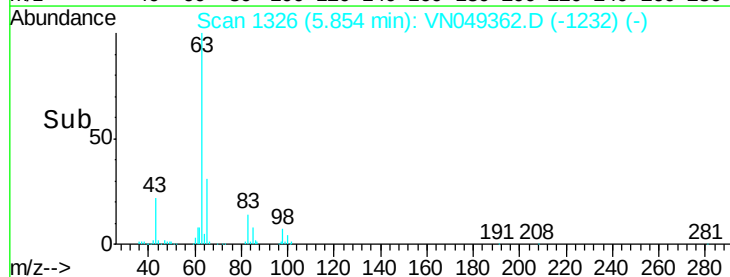
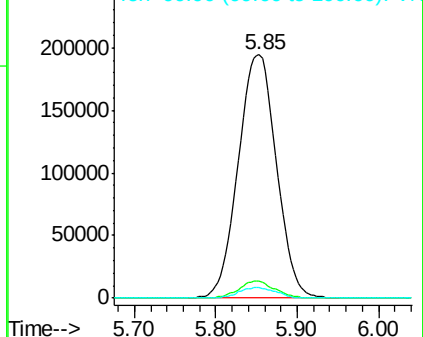
100 4.2 2.1 6.3

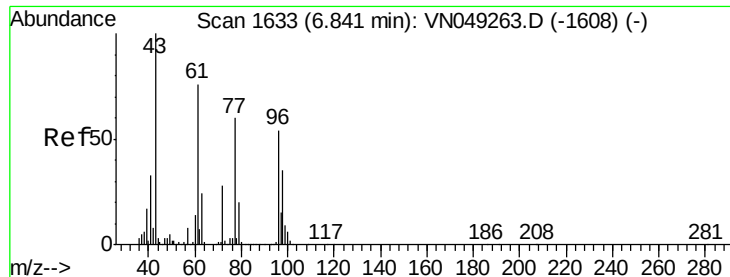


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 111.975 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion: 43 Resp: 625394

Ion Ratio Lower Upper

43 100

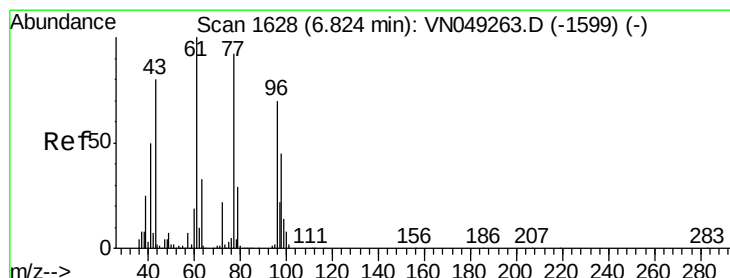
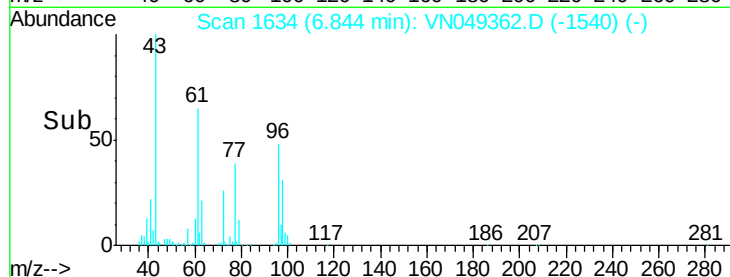
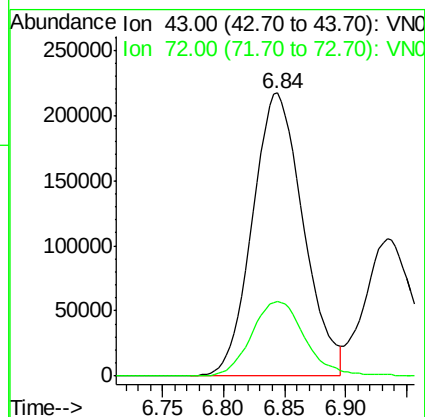
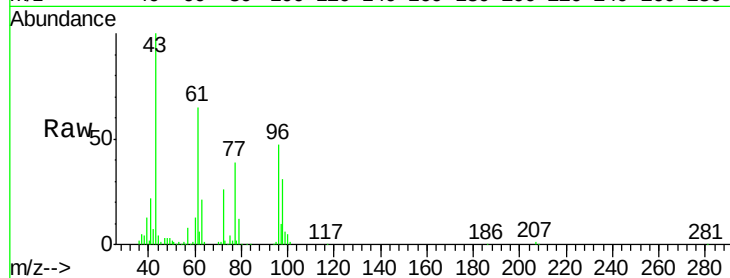
72 26.3 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.579 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049362.D

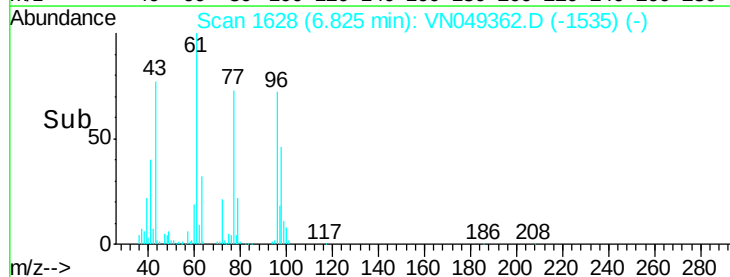
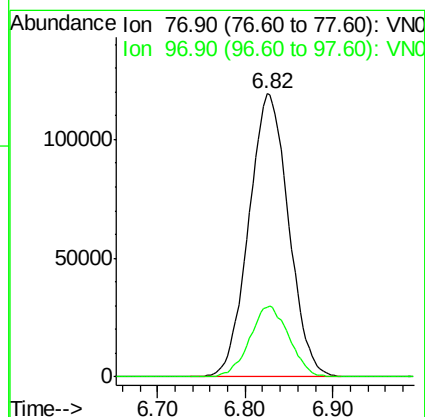
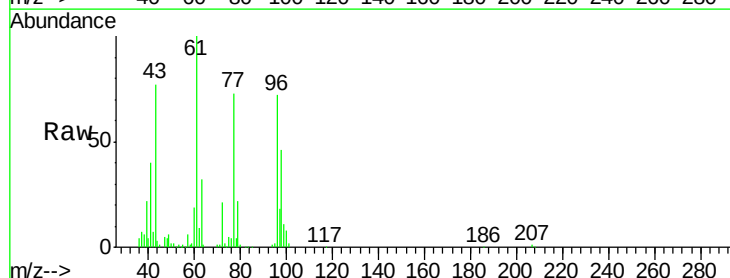
Acq: 19 Jun 2018 00:14

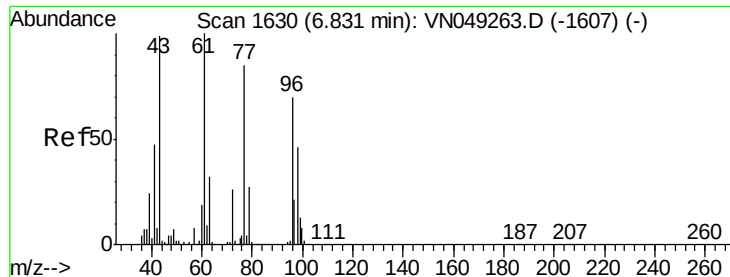
Tgt Ion: 77 Resp: 376039

Ion Ratio Lower Upper

77 100

97 24.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 21.398 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

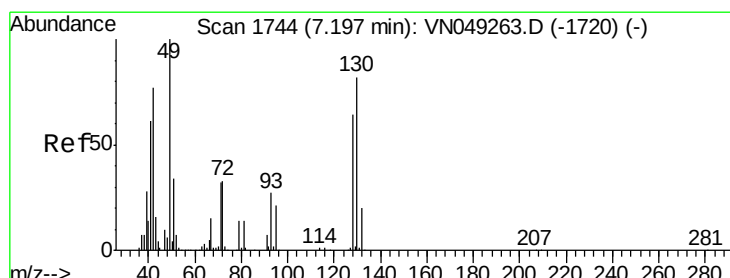
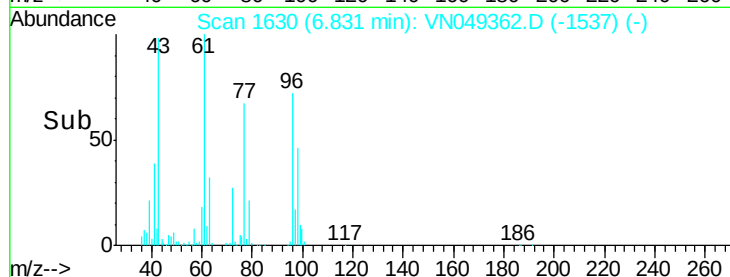
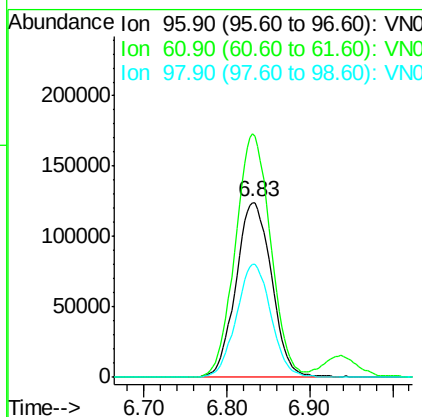
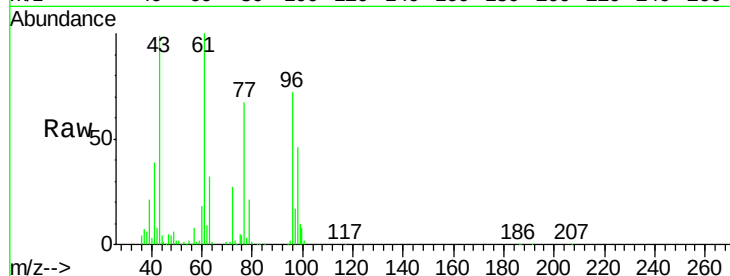
ClientSampleId :

VN0618WBS02

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 372996 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 137.1 | 0.0   | 316.4  |
| 98       | 62.8  | 0.0   | 128.4  |

Manual Integrations  
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6/19/2018 1:55:45 PM



#28

Bromochloromethane

Concen: 21.491 ug/l

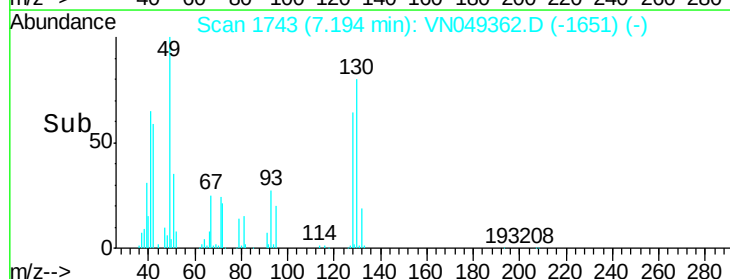
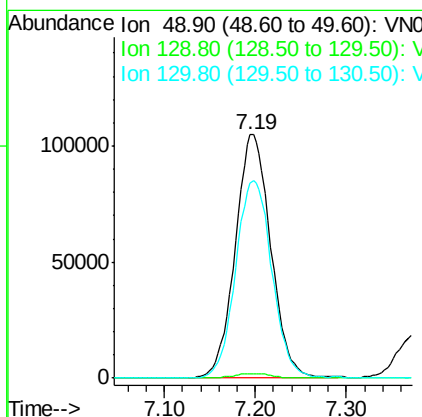
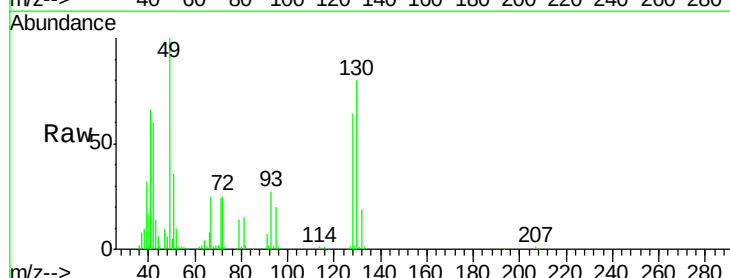
RT: 7.19 min Scan# 1743

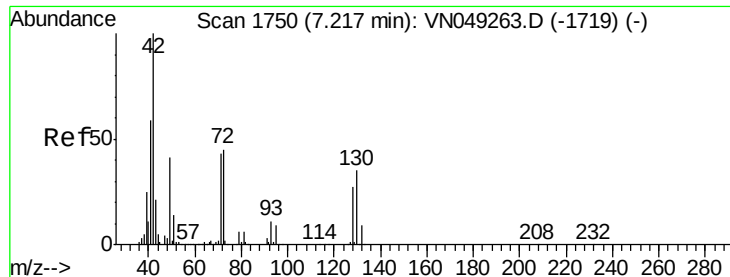
Delta R.T. -0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 284771 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 1.9   | 0.0   | 3.8    |
| 130      | 82.7  | 54.9  | 82.3#  |





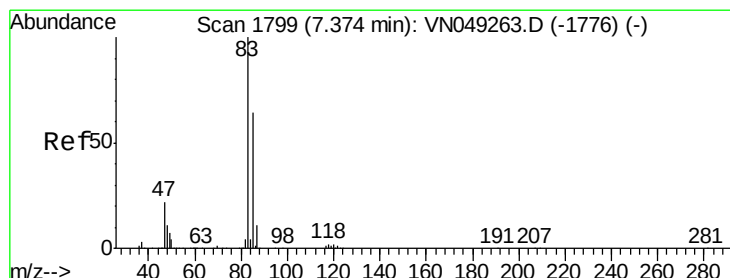
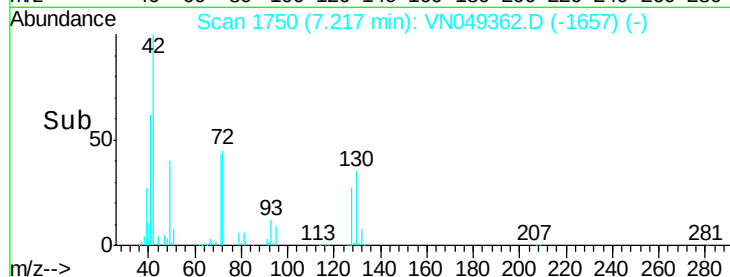
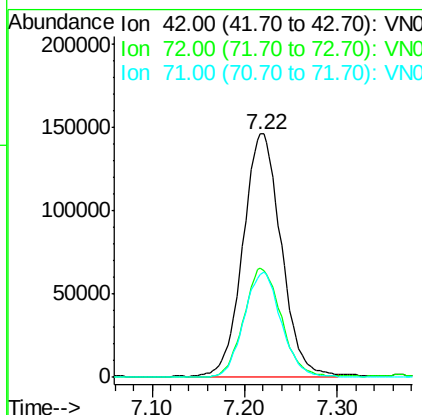
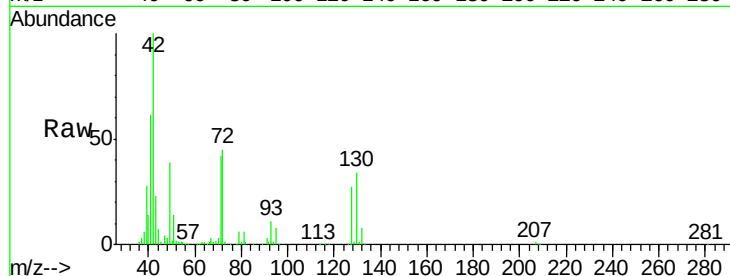
#29  
Tetrahydrofuran  
Concen: 116.083 ug/l  
RT: 7.22 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.6  | 32.2  | 48.4  |
| 71      | 42.3  | 30.5  | 45.7  |

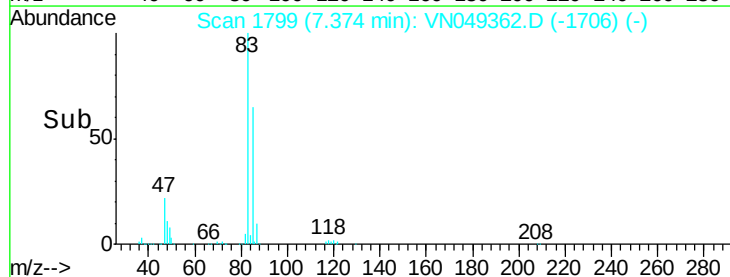
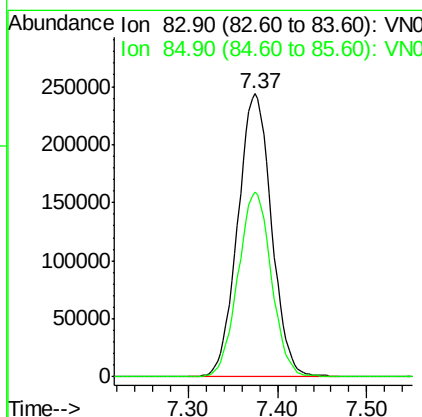
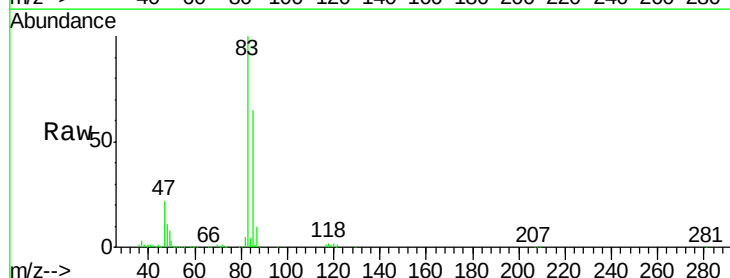
Manual Integrations  
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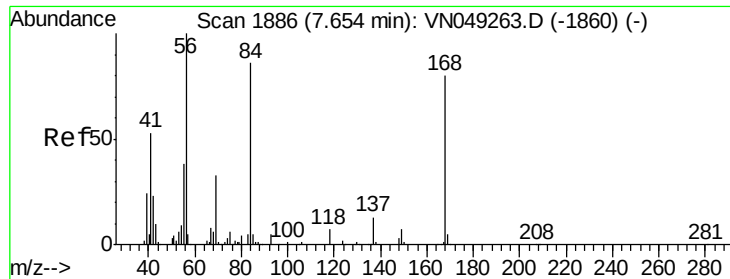
MMDadoda  
6/19/2018 1:55:45 PM



#30  
Chloroform  
Concen: 21.577 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.4  | 51.7  | 77.5  |





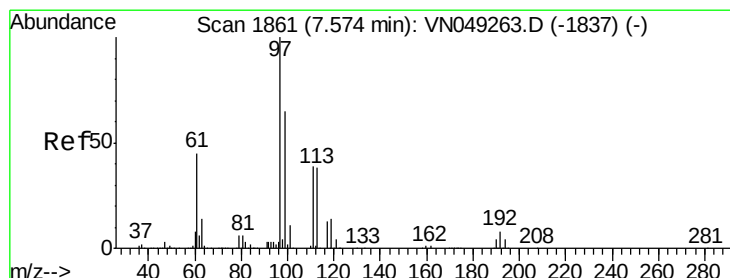
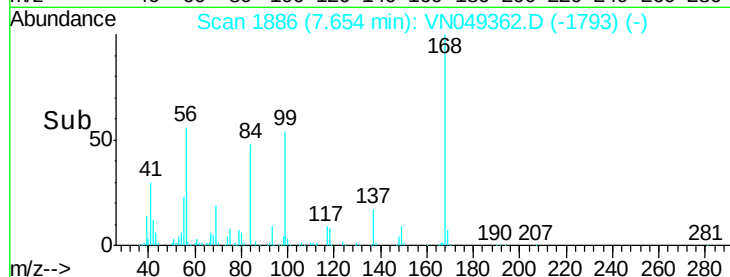
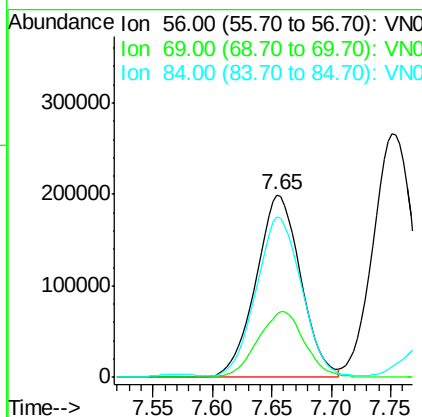
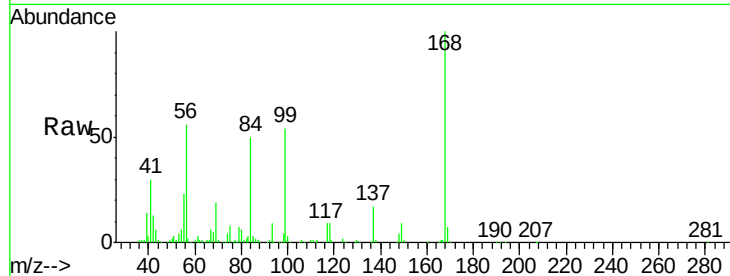
#31  
Cyclohexane  
Concen: 20.380 ug/l  
RT: 7.65 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 34.5  | 25.0  | 37.4  |
| 84      | 86.6  | 64.6  | 96.8  |

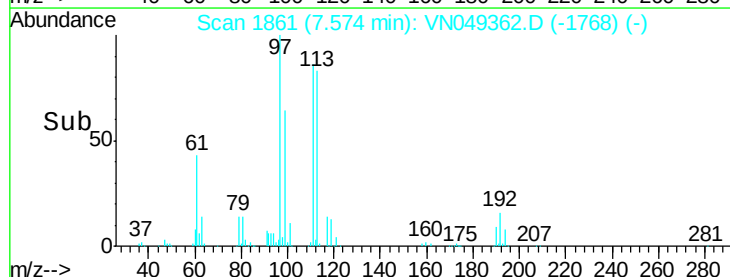
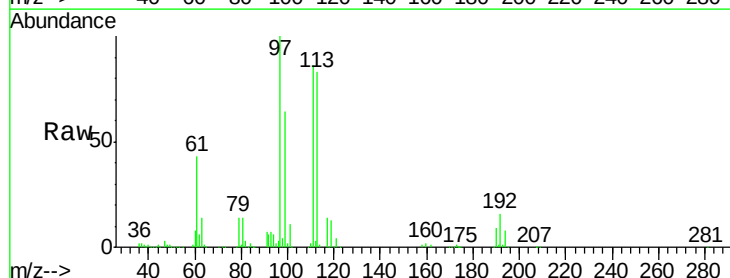
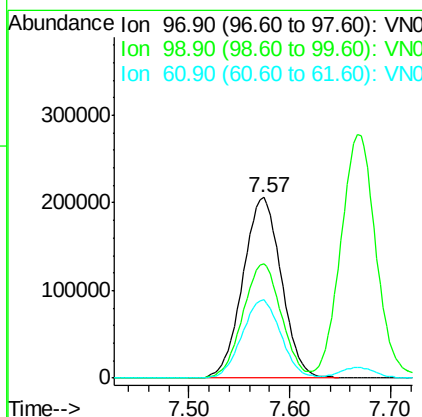
Manual Integrations  
APPROVED

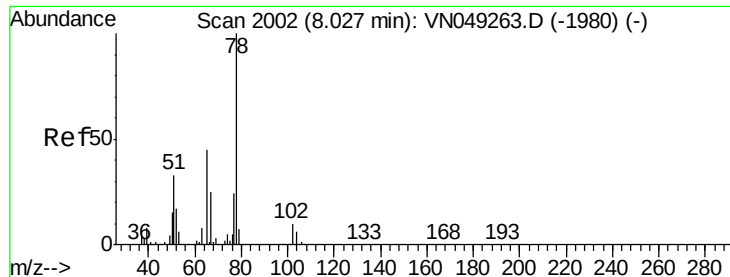
MMDadoda  
6/19/2018 1:55:45 PM



#32  
1,1,1-Trichloroethane  
Concen: 21.493 ug/l  
RT: 7.57 min Scan# 1861  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.3  | 50.5  | 75.7  |
| 61      | 43.6  | 37.9  | 56.9  |





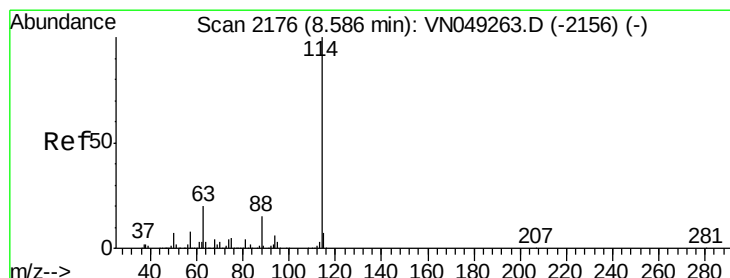
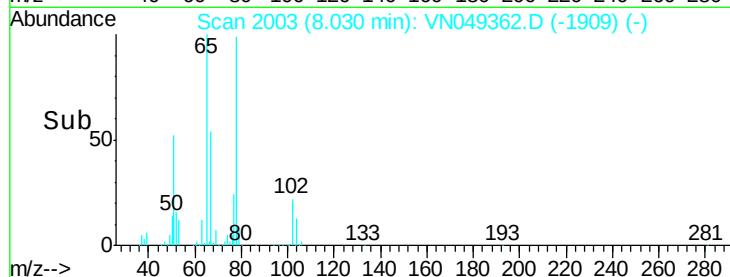
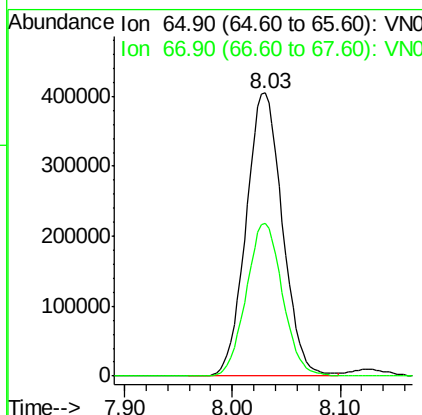
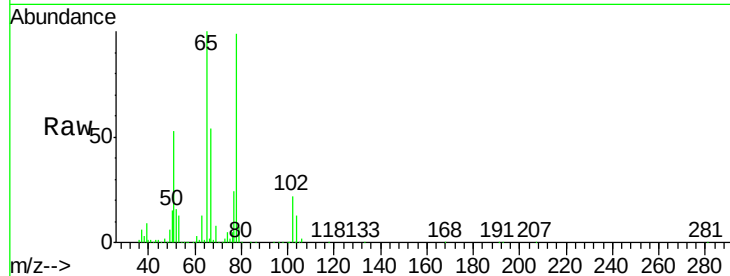
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.410 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.9  | 0.0   | 103.8 |

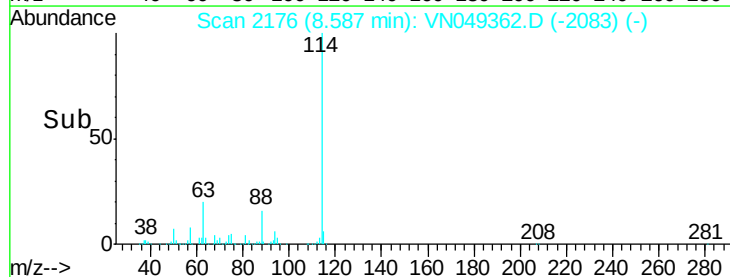
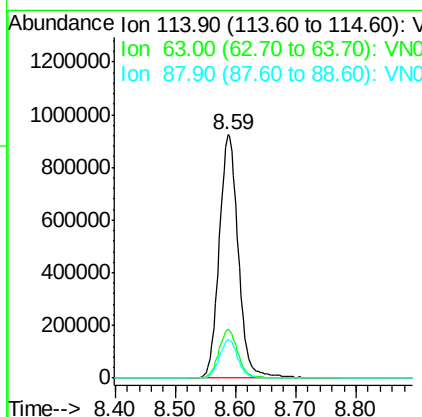
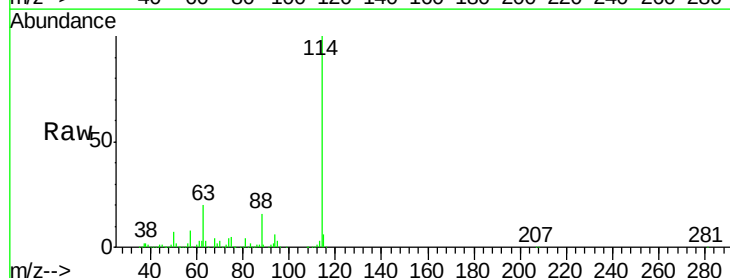
Manual Integrations  
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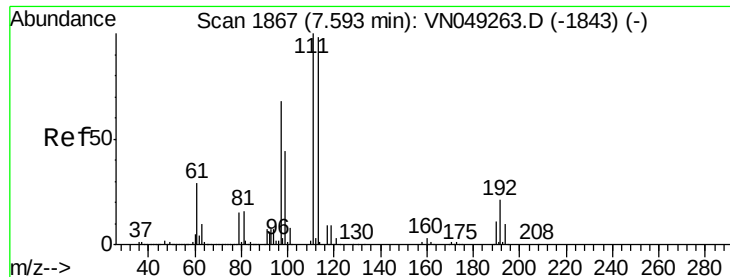
MMDadoda  
 6/19/2018 1:55:45 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.0  | 0.0   | 44.4  |
| 88      | 15.8  | 0.0   | 31.4  |





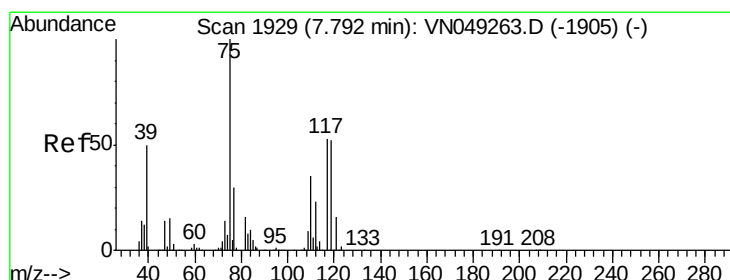
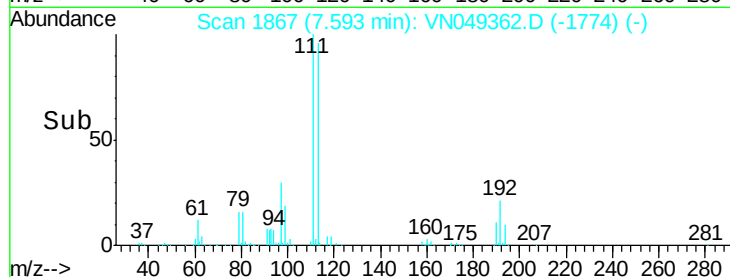
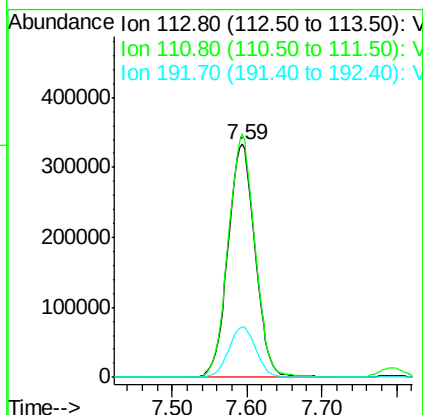
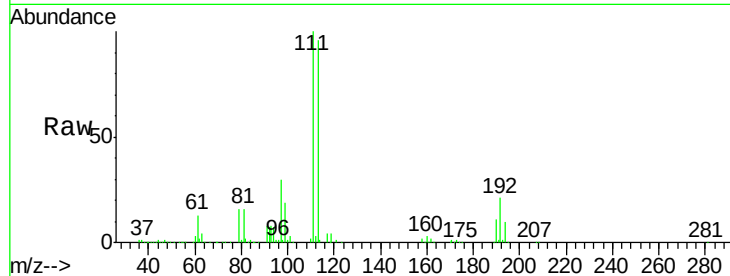
#35  
 Dibromofluoromethane  
 Concen: 51.729 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 839933 |       |       |
| 111     | 102.9 |        | 82.4  | 123.6 |
| 192     | 21.8  |        | 15.0  | 22.6  |

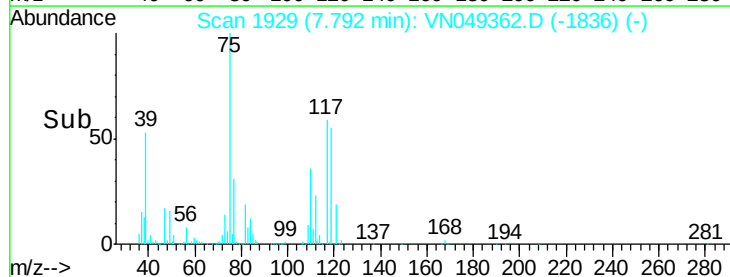
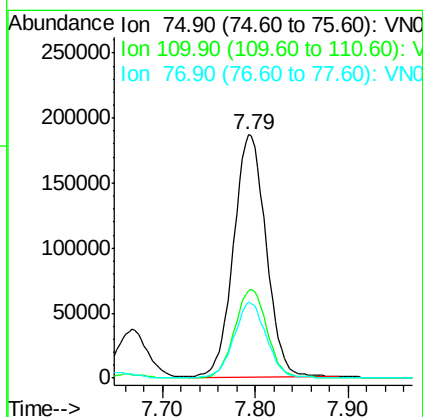
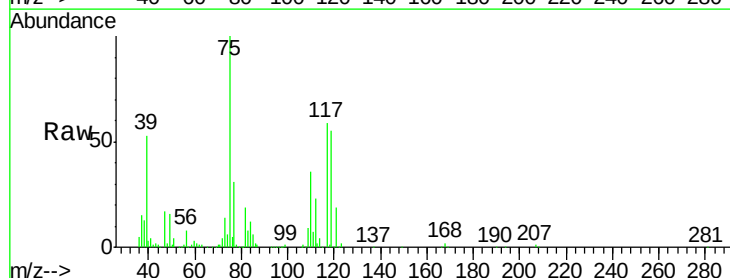
Manual Integrations  
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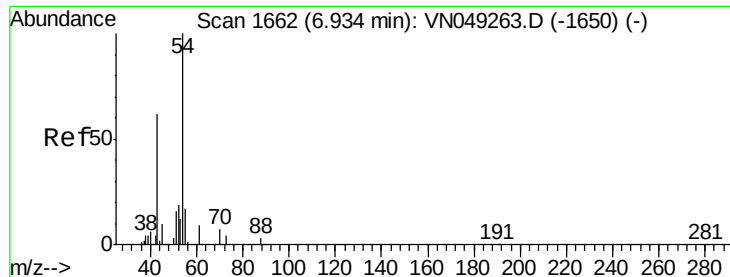
MMDadoda  
 6/19/2018 1:55:45 PM



#36  
 1,1-Dichloropropene  
 Concen: 19.763 ug/l  
 RT: 7.79 min Scan# 1929  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 454590 |       |       |
| 110     | 36.4  |        | 17.0  | 50.9  |
| 77      | 31.2  |        | 24.4  | 36.6  |





#37  
Ethyl Acetate  
Concen: 23.487 ug/l  
RT: 6.93 min Scan# 1662  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

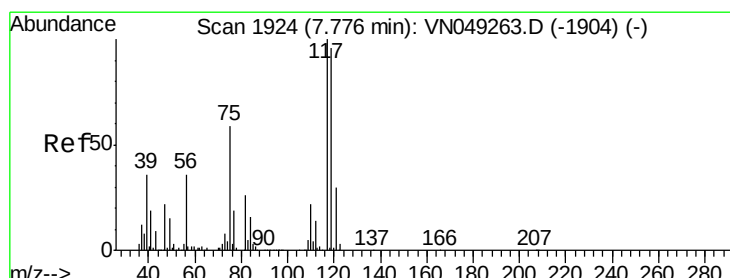
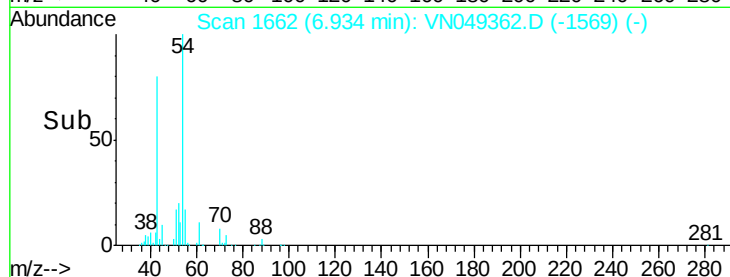
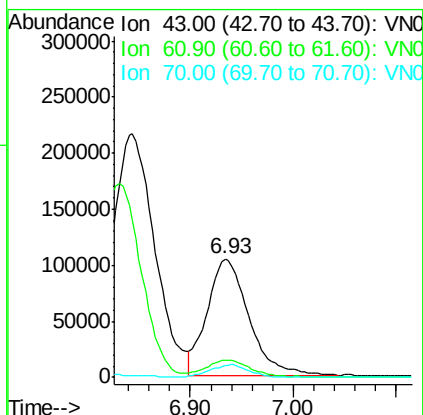
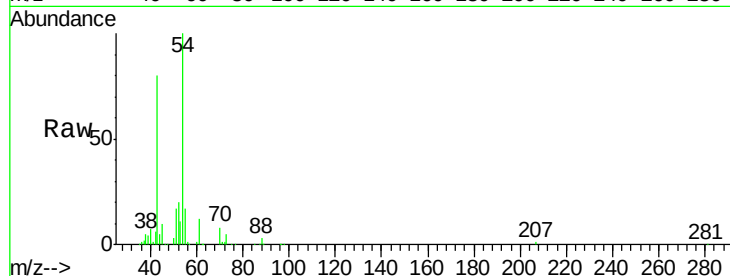
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0618WBS02

| Tot Ion | 43    | Resp  | 293699 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 61      | 14.4  | 11.0  | 16.4   |
| 70      | 10.6  | 7.2   | 10.8   |

Manual Integrations  
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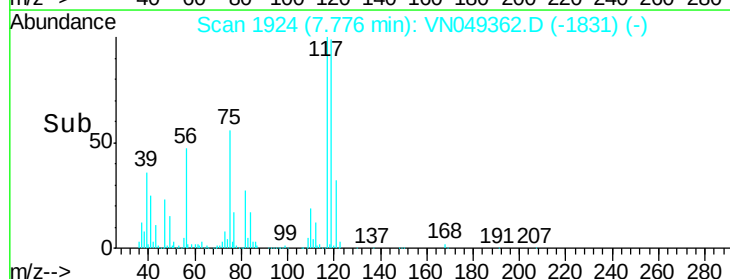
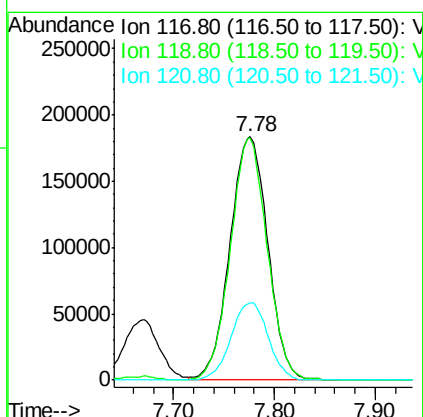
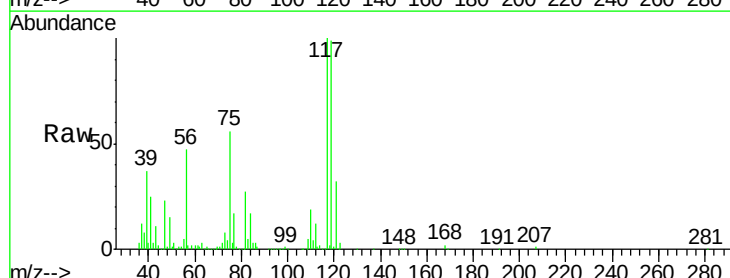
MMDadoda  
6/19/2018 1:55:45

PM

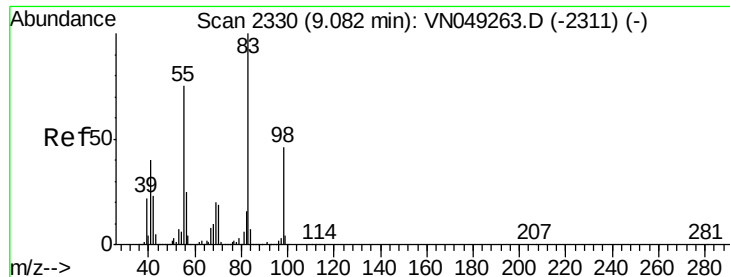


#38  
Carbon Tetrachloride  
Concen: 19.985 ug/l  
RT: 7.78 min Scan# 1924  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion | 117   | Resp  | 475904 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 117     | 100   |       |        |
| 119     | 99.5  | 75.6  | 113.4  |
| 121     | 31.8  | 24.7  | 37.1   |







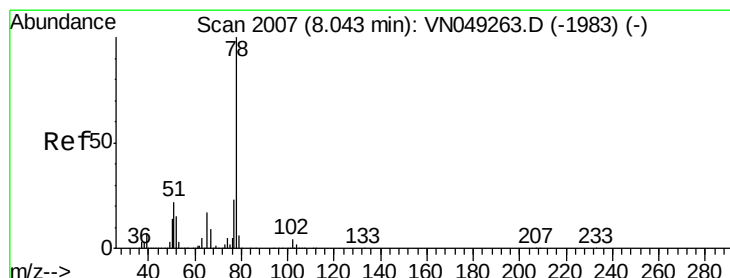
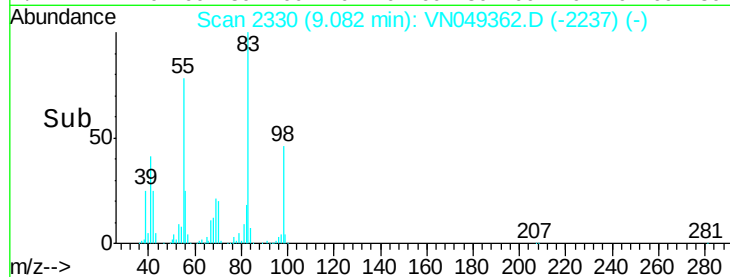
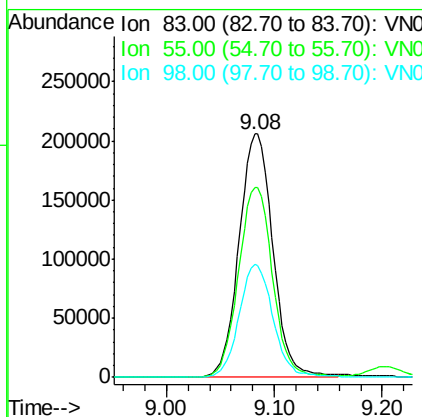
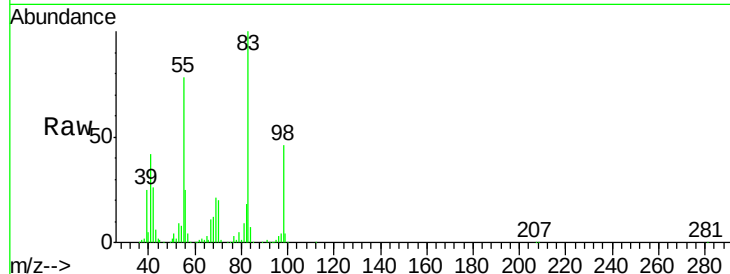
#39  
Methylvlcyclohexane  
Concen: 18.245 ug/l  
RT: 9.08 min Scan# 2330  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.9  | 65.1  | 97.7  |
| 98      | 46.4  | 36.5  | 54.7  |

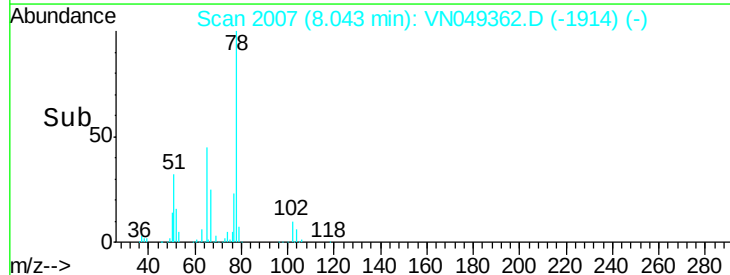
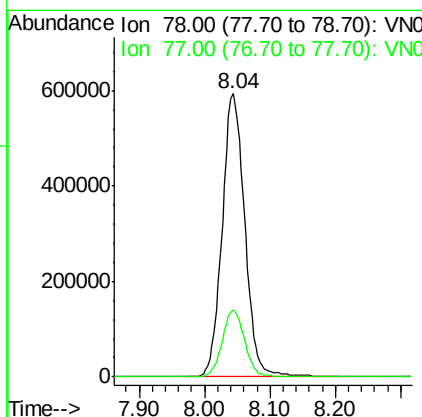
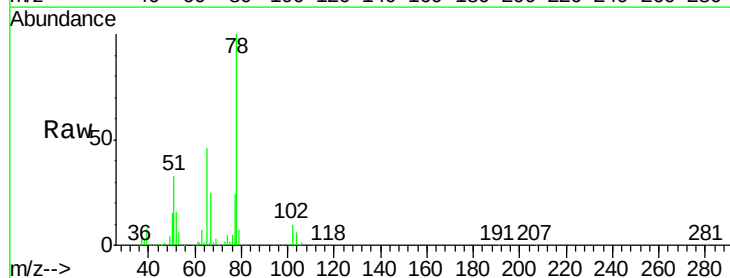
Manual Integrations  
APPROVED

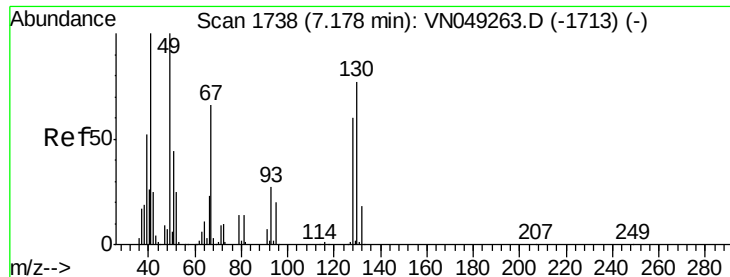
MMDadoda  
6/19/2018 1:55:45  
PM



#40  
Benzene  
Concen: 20.269 ug/l  
RT: 8.04 min Scan# 2007  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 19.4  | 29.0  |





#41  
Methacrylonitrile  
Concen: 22.678 ug/l  
RT: 7.18 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

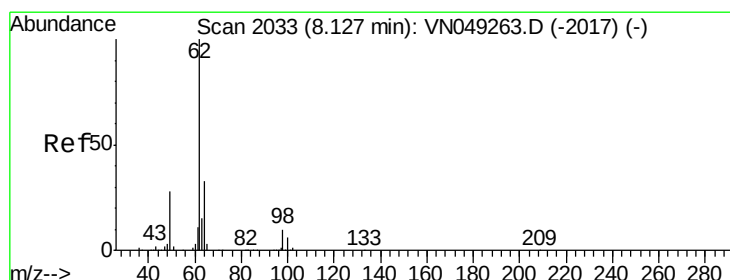
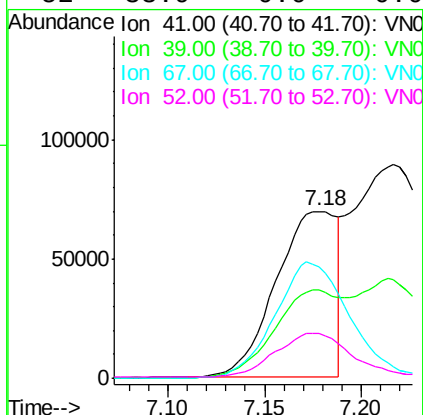
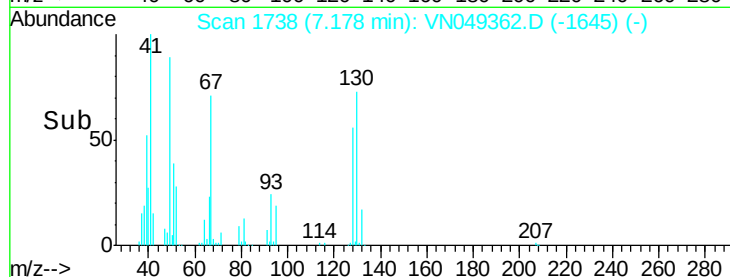
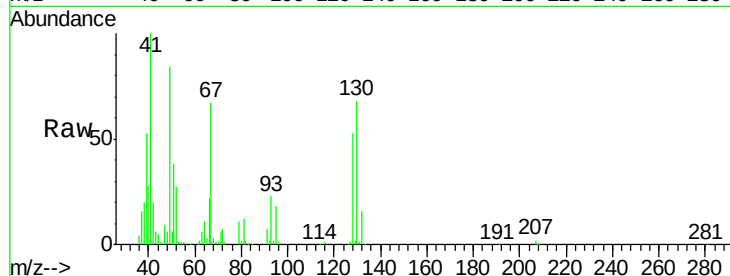
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0618WBS02

| Tot Ion   | 41    | Resp  | 153305 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 58.1  | 0.0   | 0.0#   |
| 67        | 87.3  | 0.0   | 0.0#   |
| 52        | 33.9  | 0.0   | 0.0#   |

Manual Integrations  
APPROVED

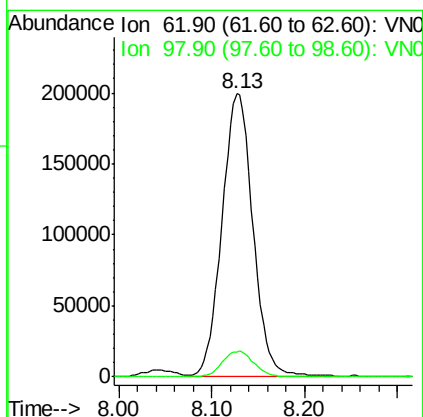
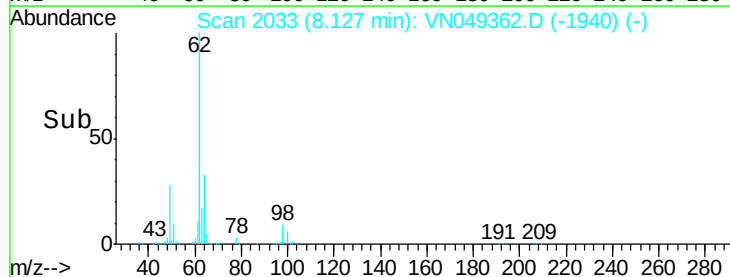
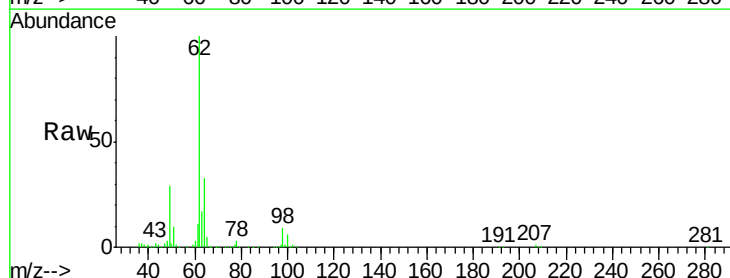
MMDadoda  
6/19/2018 1:55:45

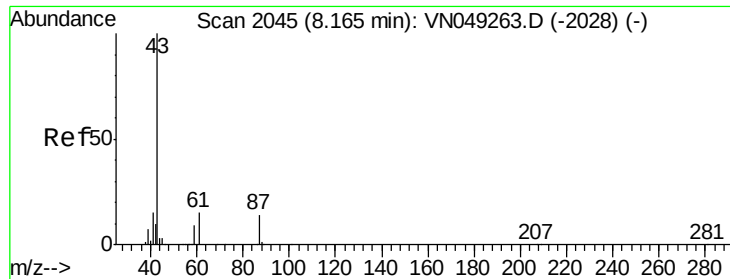
PM



#42  
1,2-Dichloroethane  
Concen: 21.065 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion   | 62    | Resp  | 458945 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 62        | 100   |       |        |
| 98        | 9.3   | 0.0   | 16.2   |





#43

Isopropyl Acetate

Concen: 23.747 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

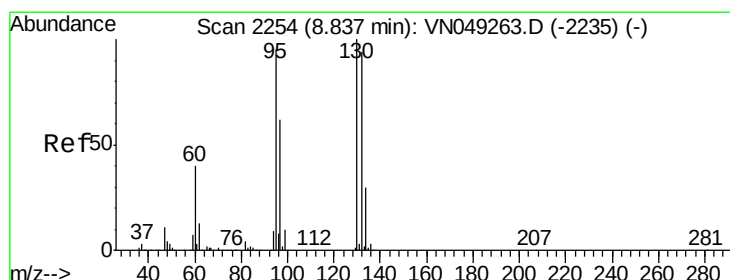
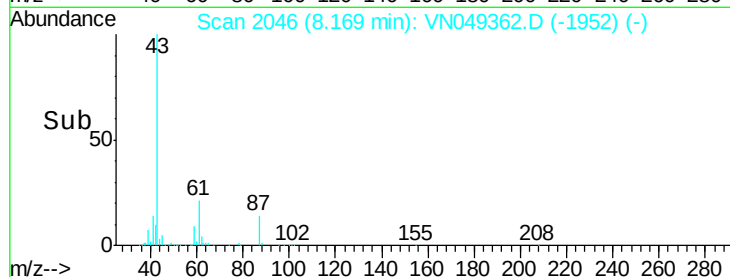
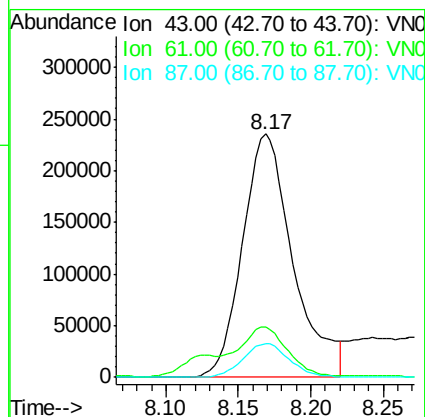
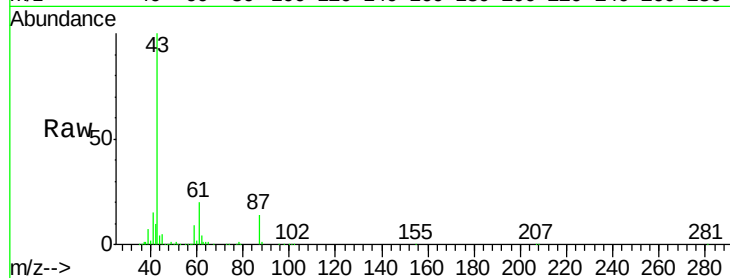
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 567355 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 18.4  | 14.2  | 21.4   |
| 87       | 12.8  | 9.4   | 14.0   |

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6/19/2018 1:55:45

PM



#44

Trichloroethene

Concen: 20.248 ug/l

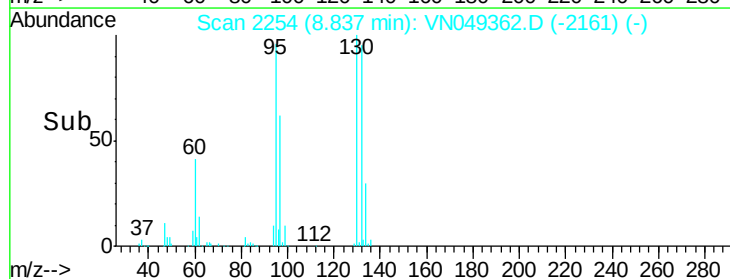
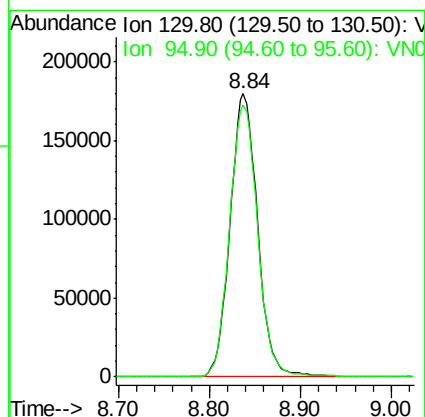
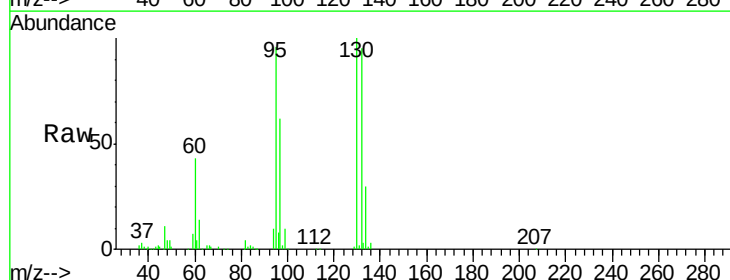
RT: 8.84 min Scan# 2254

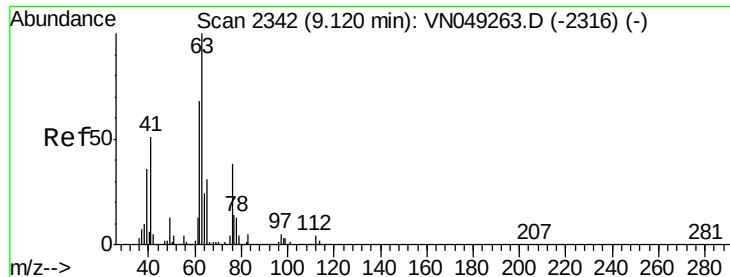
Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 377064 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 96.0  | 0.0   | 208.6  |





#45  
 1,2-Dichloropropane  
 Concen: 20.614 ug/l  
 RT: 9.12 min Scan# 2342  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

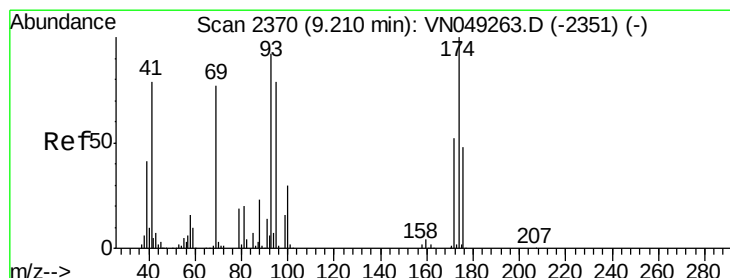
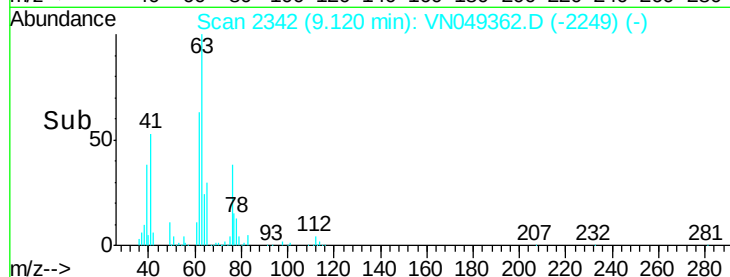
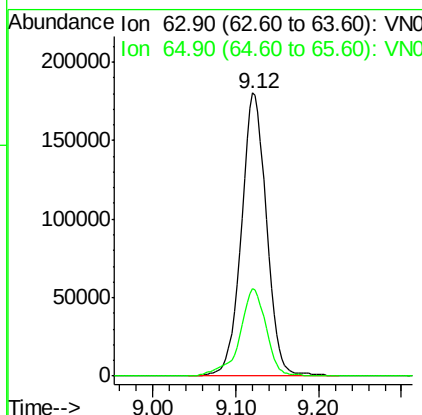
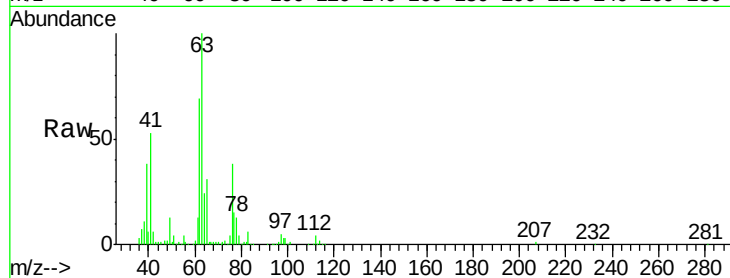
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.8  | 24.8  | 37.2  |

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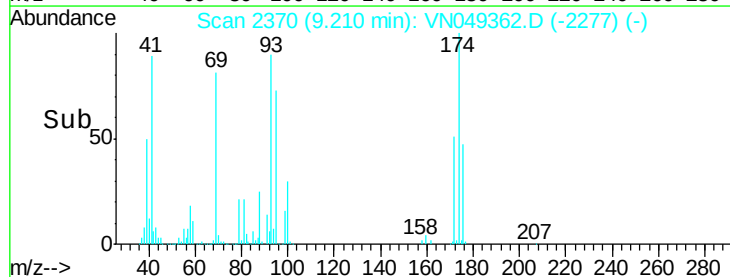
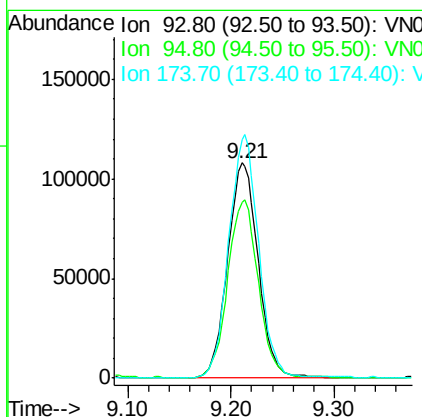
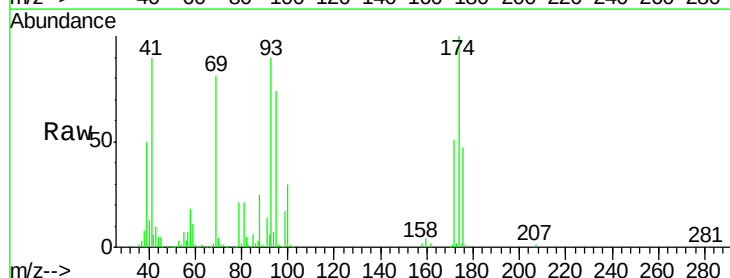
MMDadoda  
 6/19/2018 1:55:45

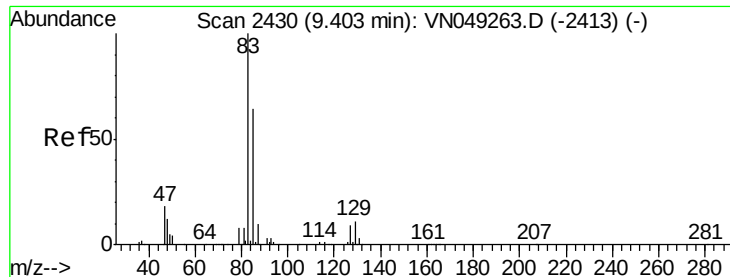
PM



#46  
 Dibromomethane  
 Concen: 20.917 ug/l  
 RT: 9.21 min Scan# 2370  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.8  | 67.2  | 100.8 |
| 174     | 110.2 | 75.6  | 113.4 |





#47

Bromodichloromethane

Concen: 20.808 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

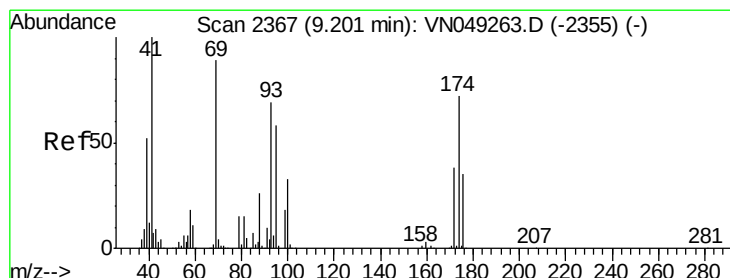
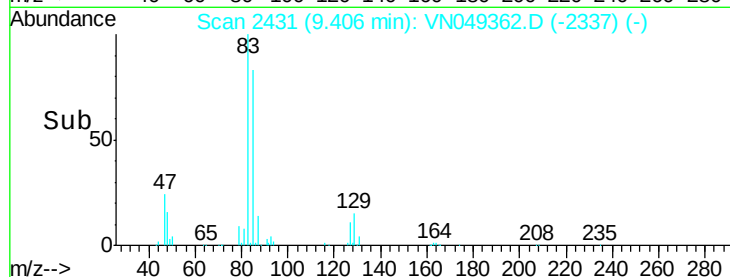
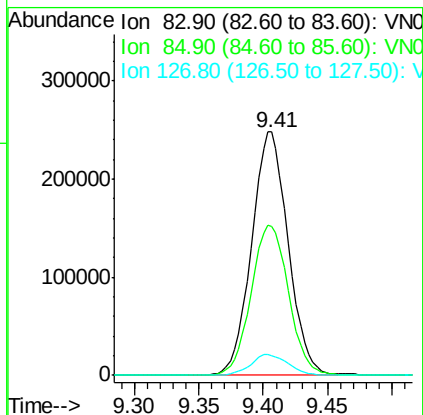
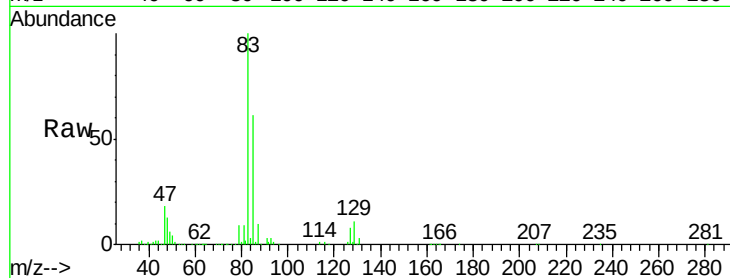
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 489549 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 61.4  | 49.4  | 74.0   |
| 127      | 8.3   | 6.3   | 9.5    |

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6/19/2018 1:55:45

PM



#48

Methyl methacrylate

Concen: 22.398 ug/l

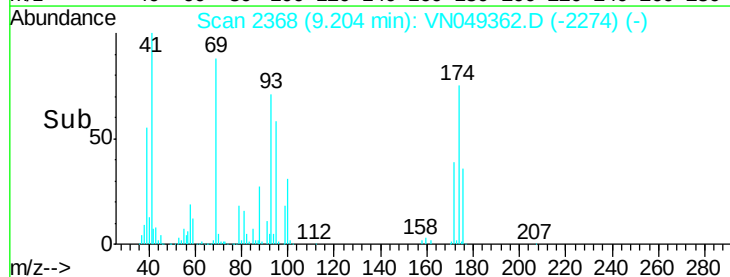
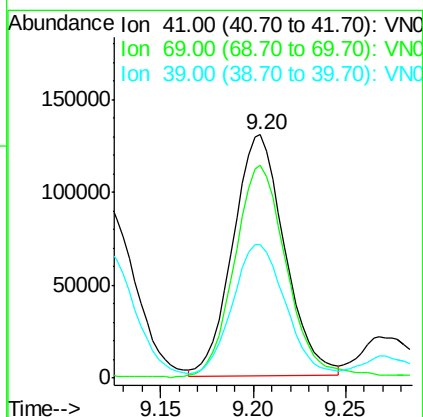
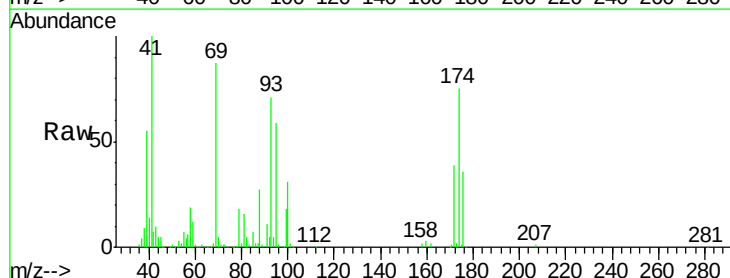
RT: 9.20 min Scan# 2368

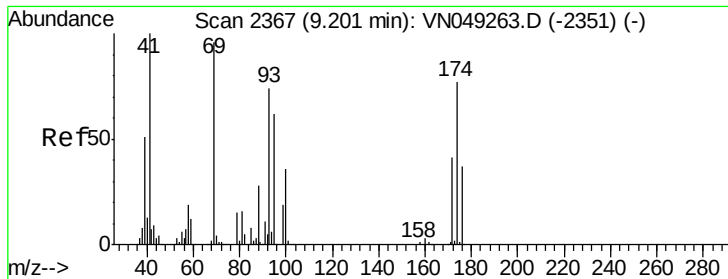
Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 251998 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 88.5  | 62.0  | 93.0   |
| 39       | 56.7  | 50.6  | 75.8   |





#49  
 1,4-Dioxane  
 Concen: 467.917 ug/l  
 RT: 9.20 min Scan# 2368  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

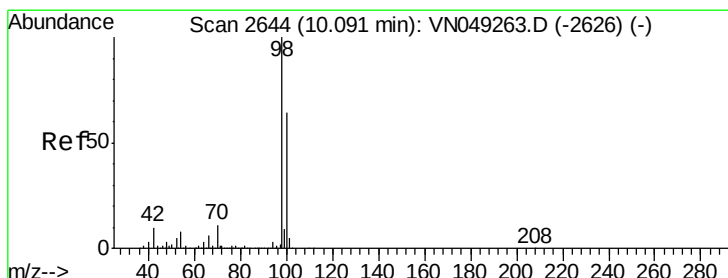
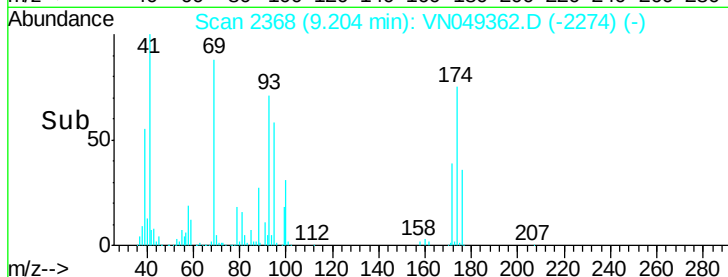
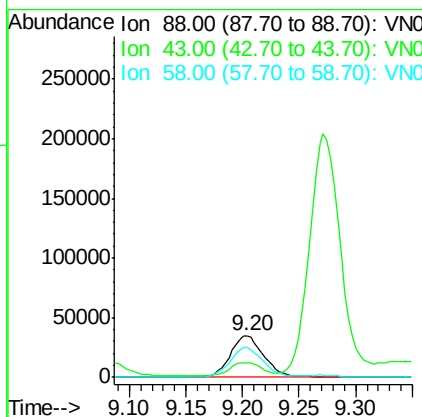
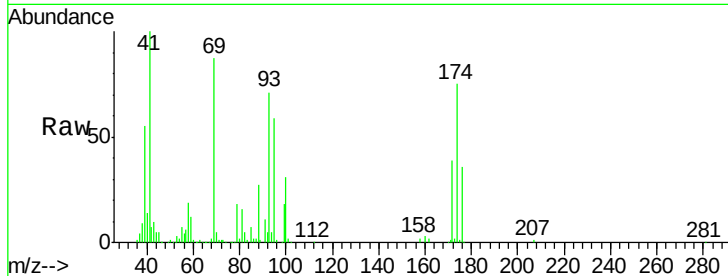
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0618WBS02

| Tot Ion | 88    | Resp  | 72660 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 30.6  | 30.9  | 46.3# |
| 58      | 70.6  | 58.9  | 88.3  |

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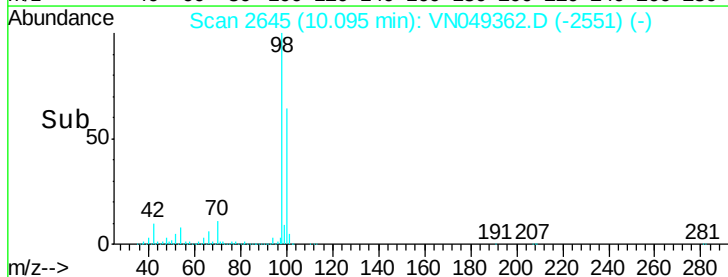
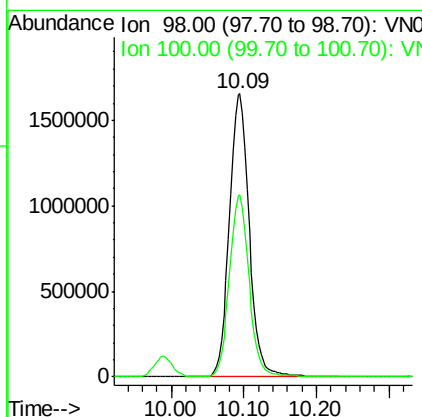
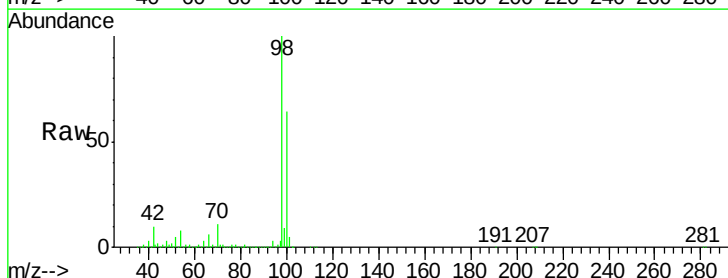
MMDadoda  
 6/19/2018 1:55:45

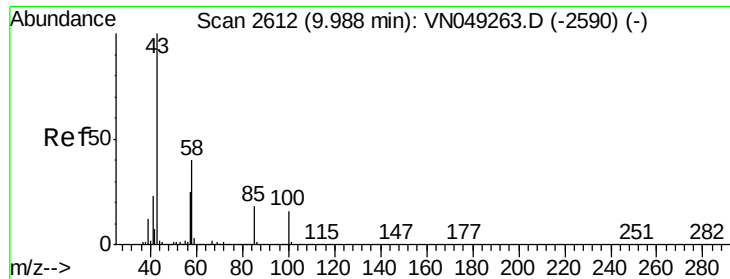
PM



#50  
 Toluene-d8  
 Concen: 51.029 ug/l  
 RT: 10.09 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | 98    | Resp  | 3154904 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 63.8  | 49.8  | 74.8    |





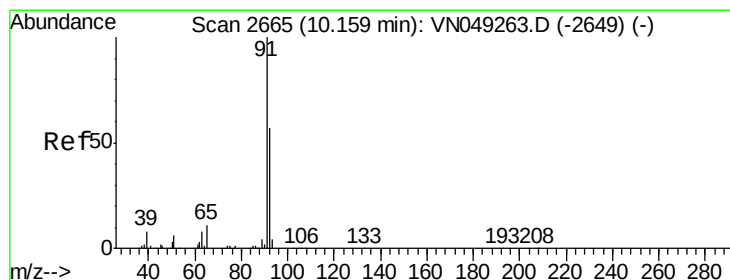
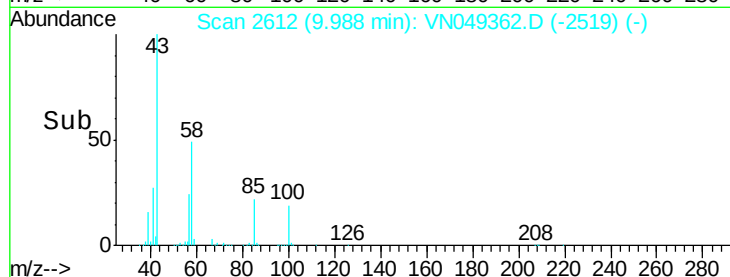
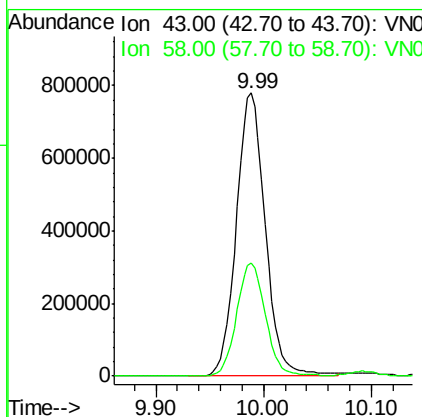
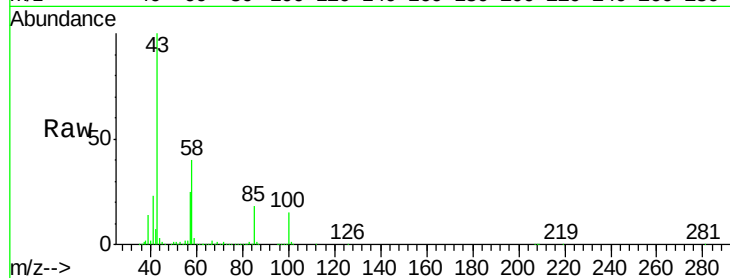
#51  
4-Methyl-2-Pentanone  
Concen: 116.239 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0618WBS02

Tot Ion: 43 Resp: 1455543  
Ion Ratio Lower Upper  
43 100  
58 39.9 29.0 43.6

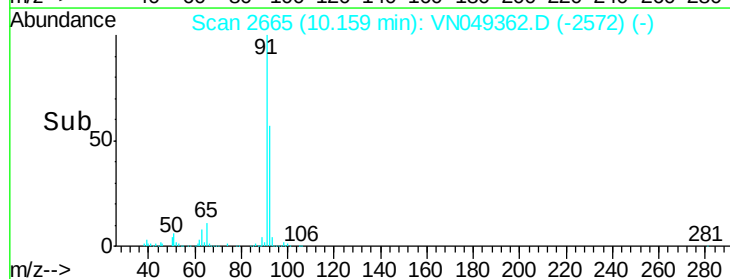
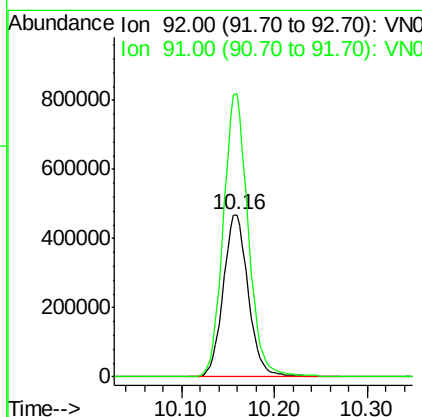
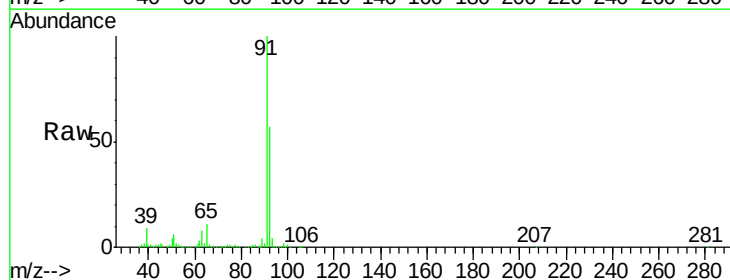
Manual Integrations  
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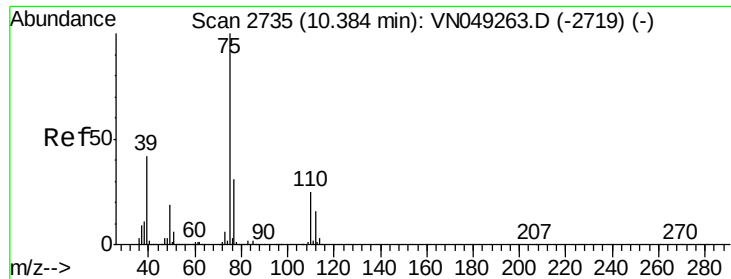
MMDadoda  
6/19/2018 1:55:45  
PM



#52  
Toluene  
Concen: 21.296 ug/l  
RT: 10.16 min Scan# 2665  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Tgt Ion: 92 Resp: 881416  
Ion Ratio Lower Upper  
92 100  
91 173.5 143.4 215.2





#53  
 t-1,3-Dichloropropene  
 Concen: 19.782 ug/l  
 RT: 10.38 min Scan# 2735  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

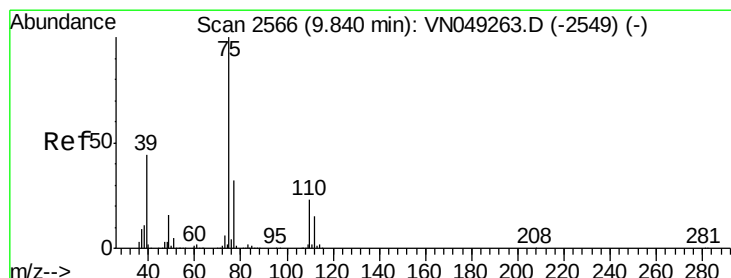
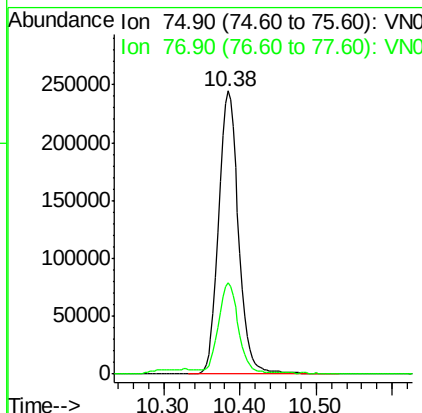
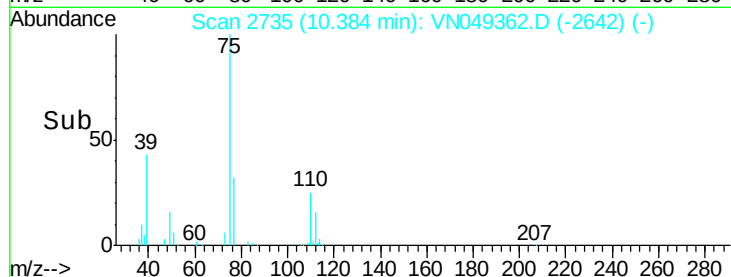
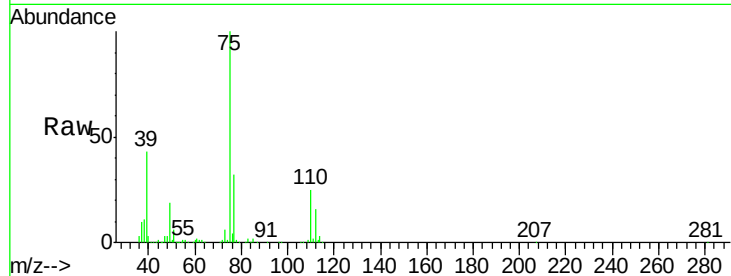
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.9  | 25.2  | 37.8  |

Manual Integrations  
 APPROVED

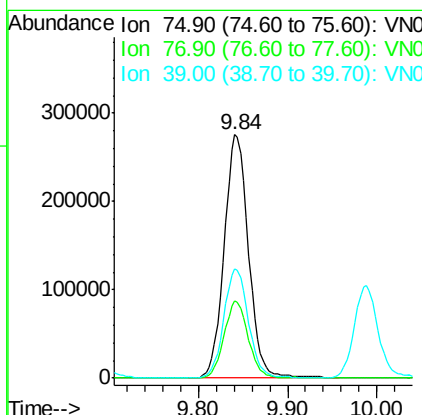
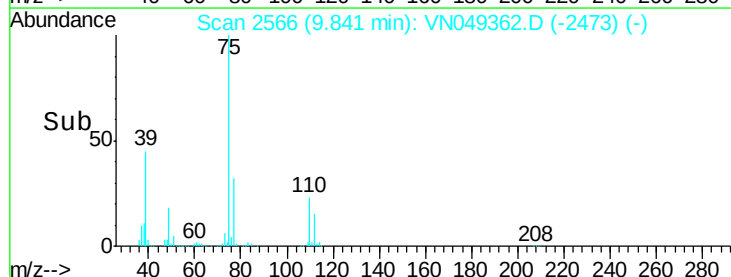
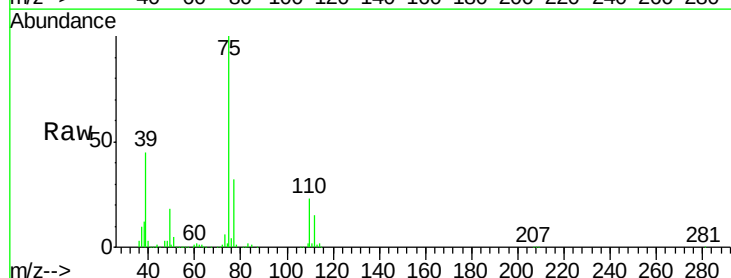
MMDadoda  
 6/19/2018 1:55:45

PM

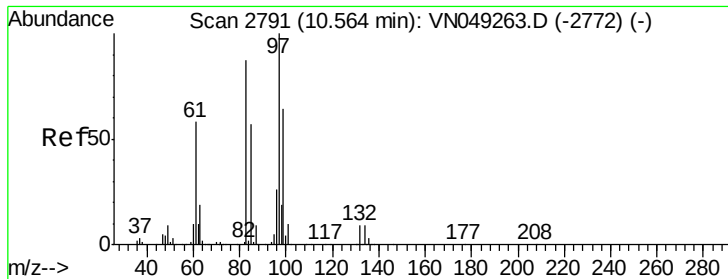


#54  
 cis-1,3-Dichloropropene  
 Concen: 19.594 ug/l  
 RT: 9.84 min Scan# 2566  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.7  | 24.8  | 37.2  |
| 39      | 44.7  | 45.1  | 67.7# |







#55  
 1,1,2-Trichloroethane  
 Concen: 20.992 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

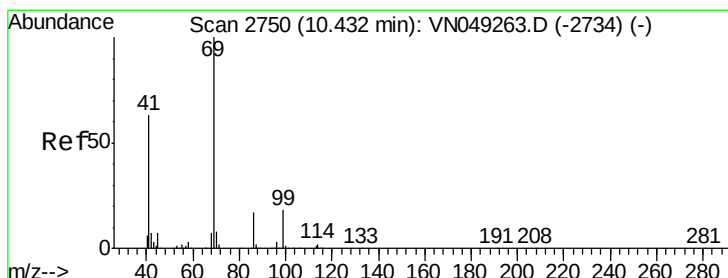
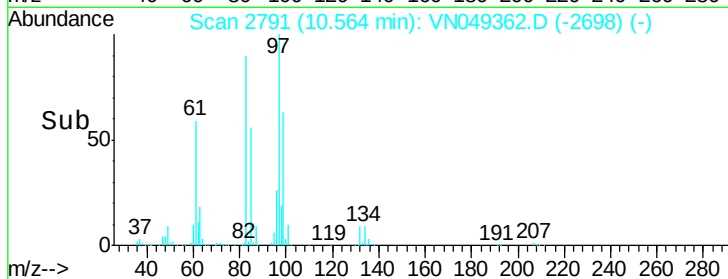
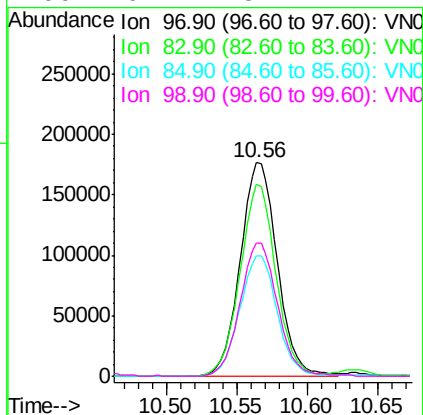
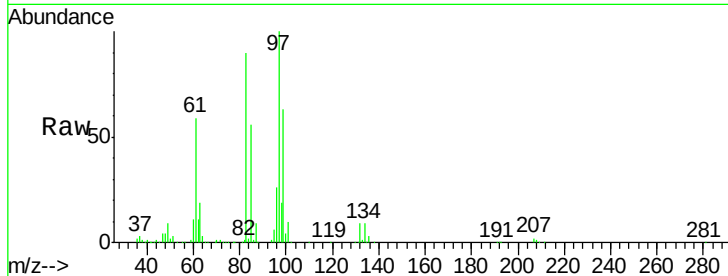
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0618WBS02

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 323888 |       |       |
| 83      | 89.8 | 71.5  | 107.3  |       |       |
| 85      | 56.4 | 47.0  | 70.4   |       |       |
| 99      | 62.7 | 51.4  | 77.2   |       |       |

Manual Integrations  
 APPROVED

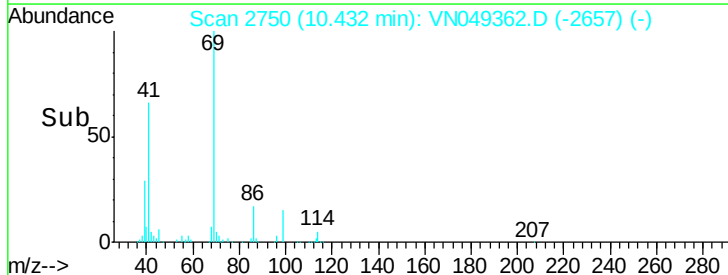
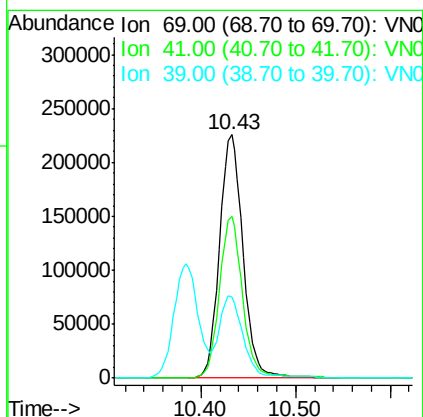
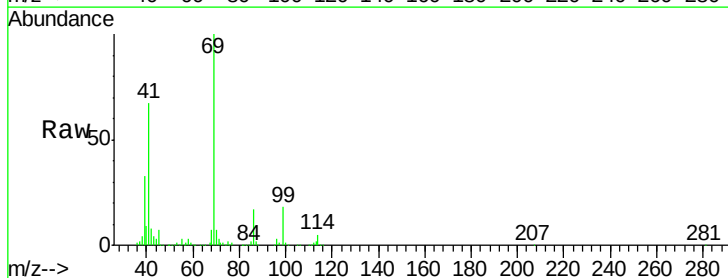
MMDadoda  
 6/19/2018 1:55:45

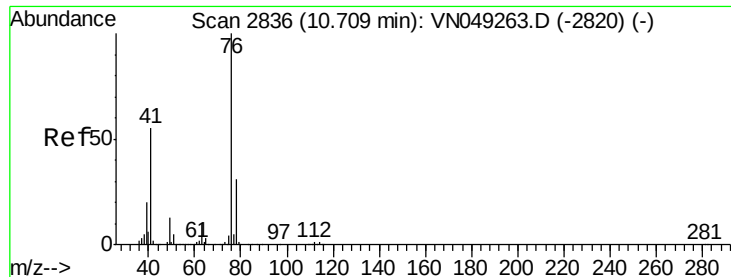
PM



#56  
 Ethyl methacrylate  
 Concen: 21.837 ug/l  
 RT: 10.43 min Scan# 2750  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 388714 |       |       |
| 41      | 64.4 | 58.4  | 87.6   |       |       |
| 39      | 34.5 | 35.5  | 53.3#  |       |       |





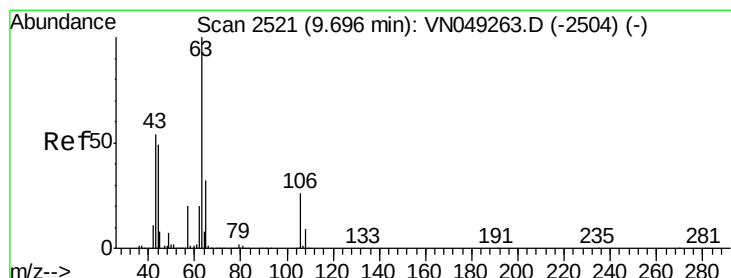
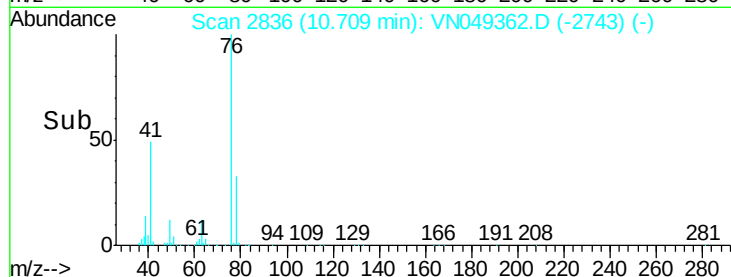
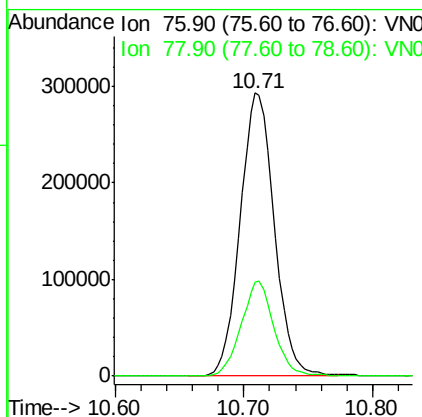
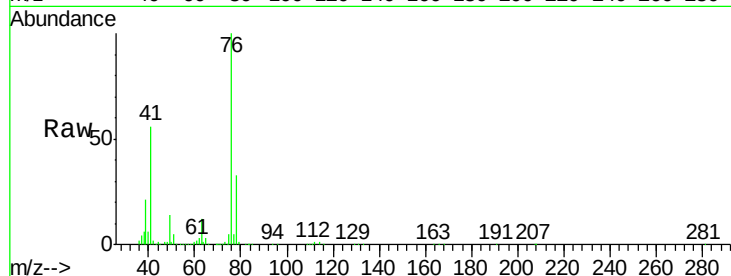
#57  
 1,3-Dichloropropane  
 Concen: 21.108 ug/l  
 RT: 10.71 min Scan# 2836  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

Tot Ion: 76 Resp: 539527  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 26.3 39.5

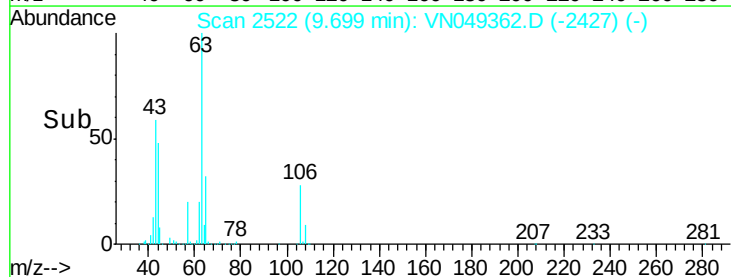
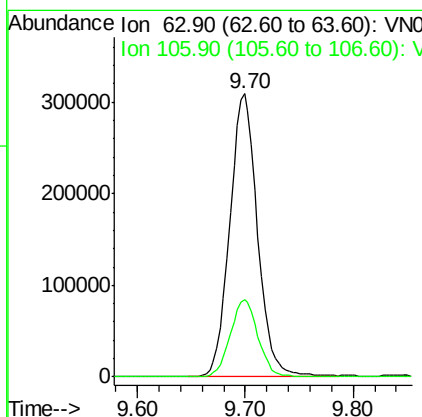
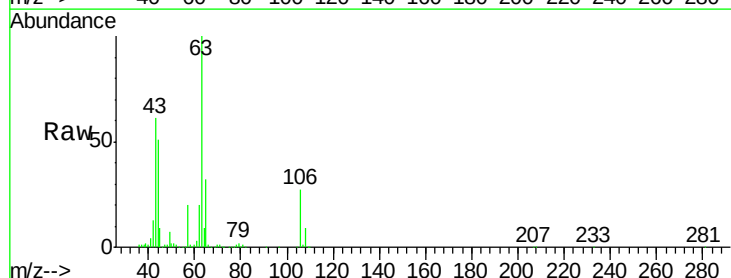
Manual Integrations  
 APPROVED

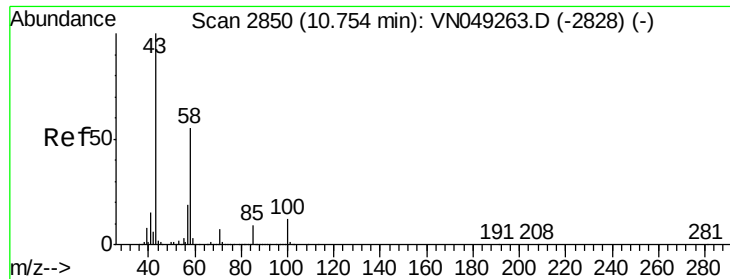
MMDa  
 doda  
 6/19/2018 1:55:45 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 96.759 ug/l  
 RT: 9.70 min Scan# 2522  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Tgt Ion: 63 Resp: 556464  
 Ion Ratio Lower Upper  
 63 100  
 106 27.3 19.4 29.2





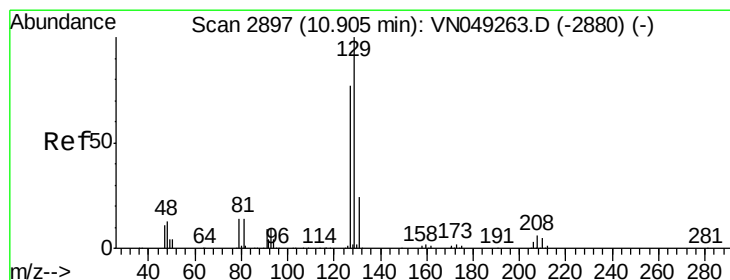
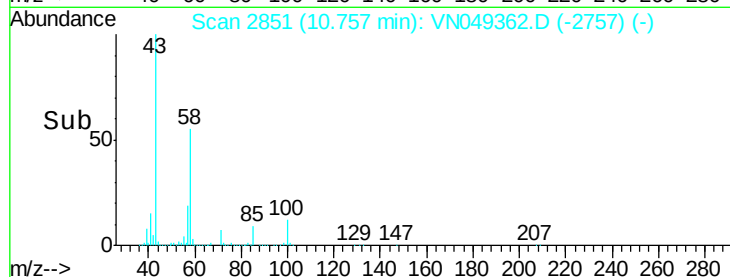
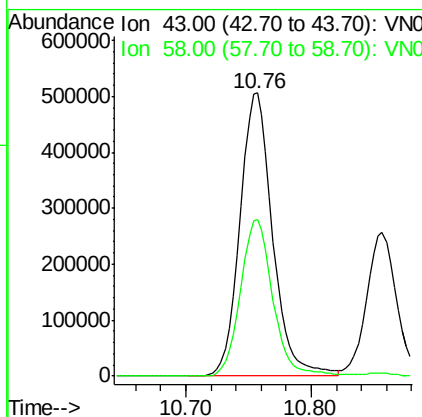
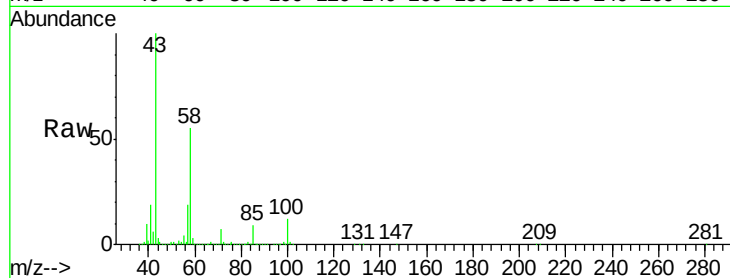
#59  
2-Hexanone  
Concen: 113.140 ug/l  
RT: 10.76 min Scan# 2851  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0618WBS02

Tot Ion: 43 Resp: 913374  
Ion Ratio Lower Upper  
43 100  
58 55.0 25.2 75.6

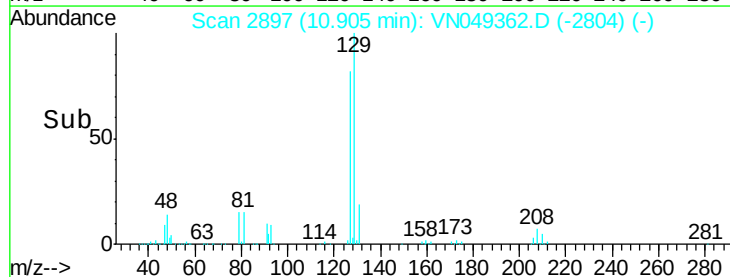
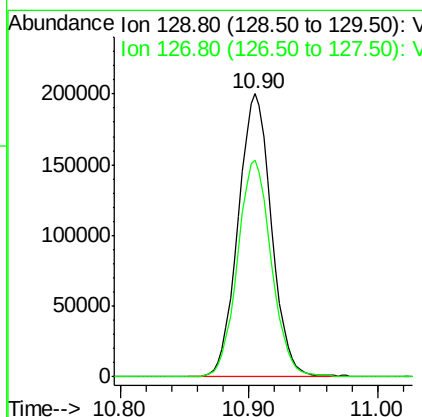
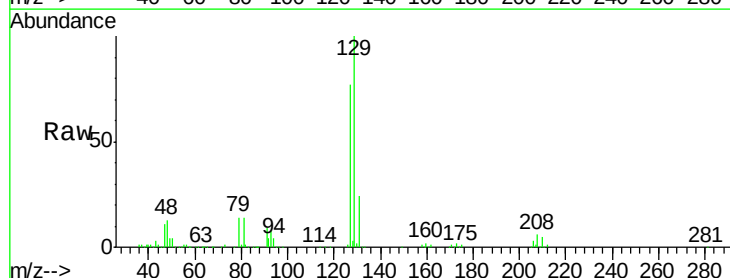
Manual Integrations  
APPROVED

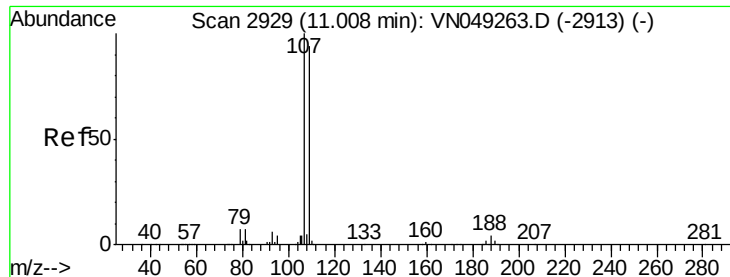
MMDa  
doda  
6/19/2018 1:55:45 PM



#60  
Dibromochloromethane  
Concen: 20.900 ug/l  
RT: 10.90 min Scan# 2897  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Tgt Ion: 129 Resp: 359922  
Ion Ratio Lower Upper  
129 100  
127 77.8 39.1 117.2





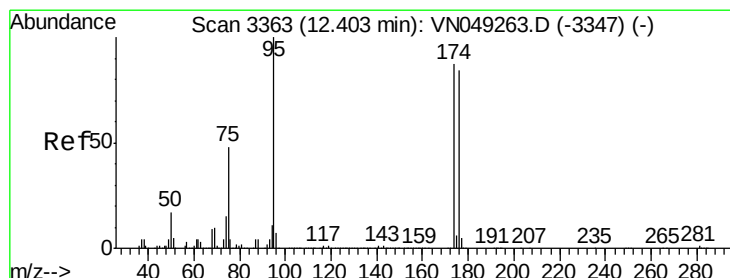
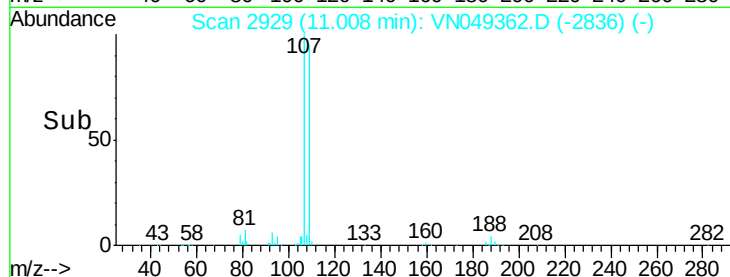
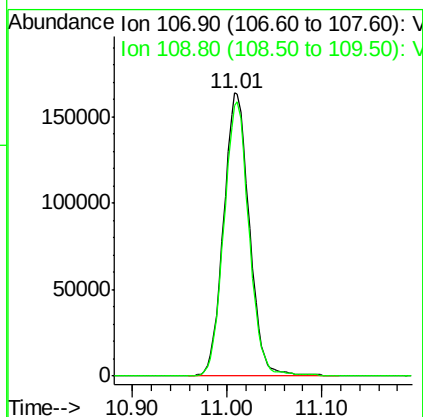
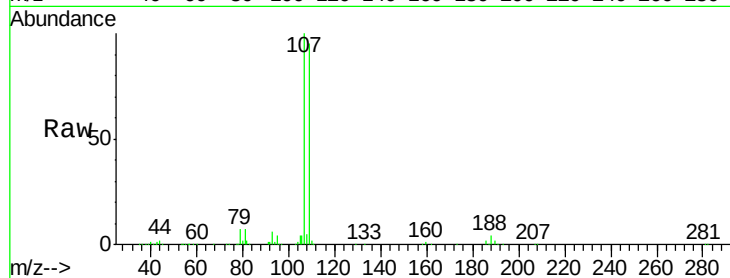
#61  
 1,2-Dibromoethane  
 Concen: 21.596 ug/l  
 RT: 11.01 min Scan# 2929  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.6  | 75.4  | 113.2 |

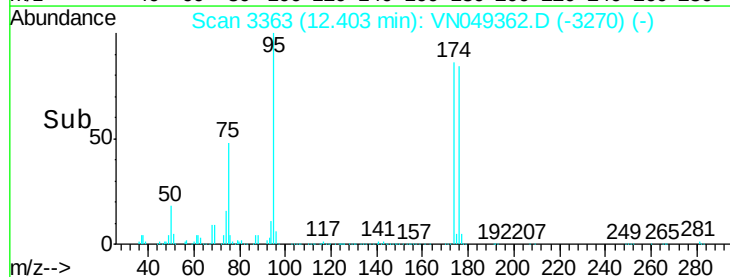
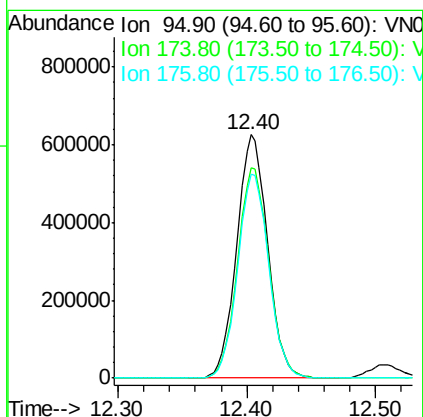
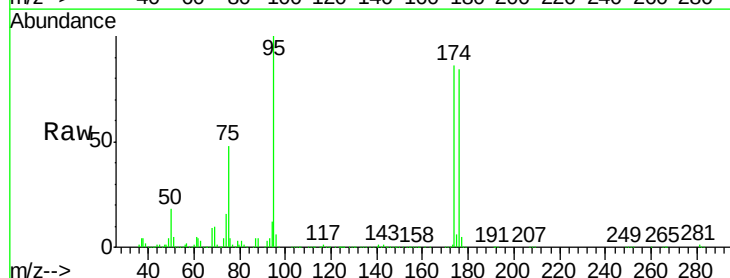
Manual Integrations  
 APPROVED

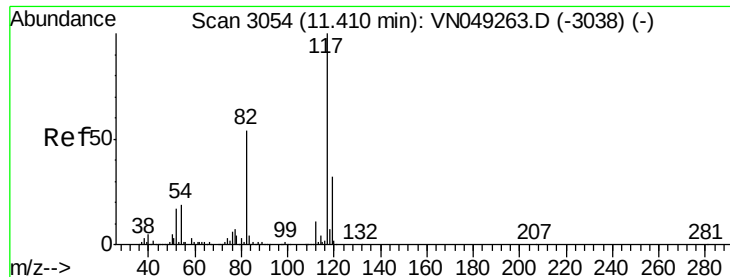
MMDa  
 doda  
 6/19/2018 1:55:45 PM



#62  
 4-Bromofluorobenzene  
 Concen: 50.871 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 87.5  | 0.0   | 165.6 |
| 176     | 84.4  | 0.0   | 157.4 |





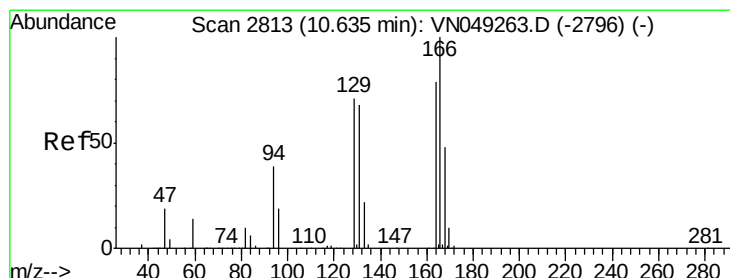
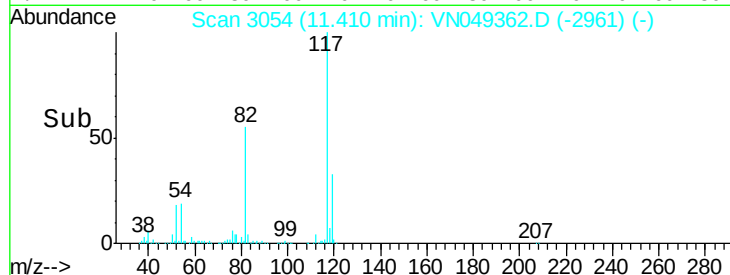
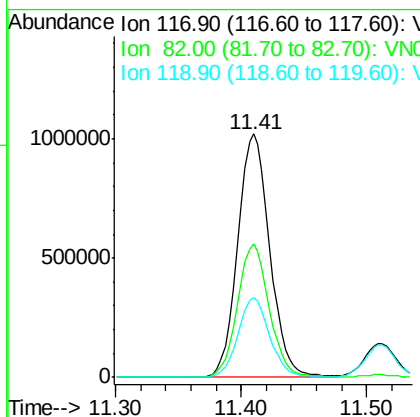
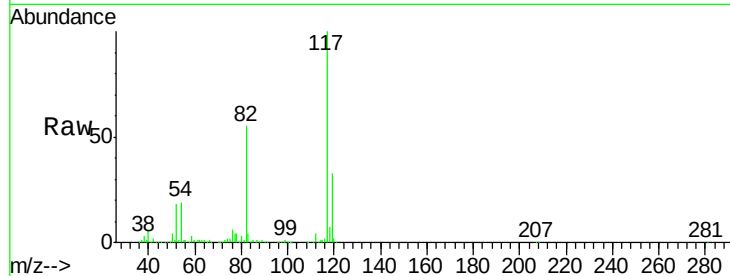
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.6  | 45.9  | 68.9  |
| 119     | 32.8  | 25.5  | 38.3  |

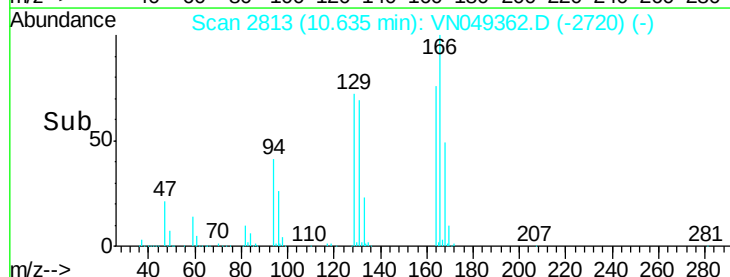
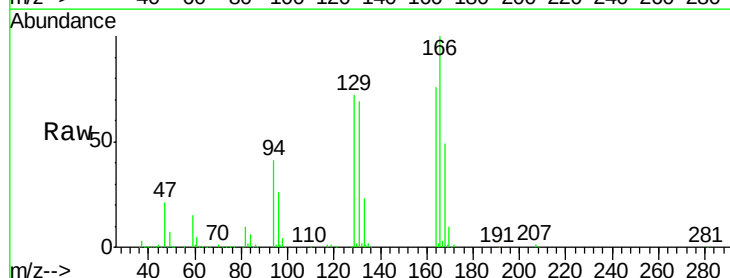
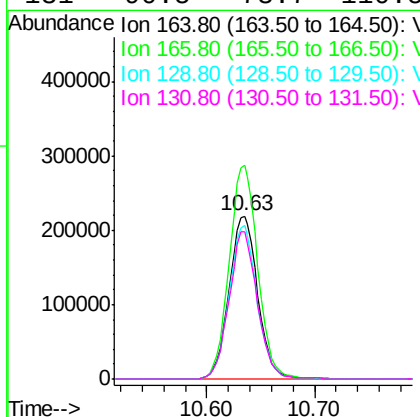
Manual Integrations  
APPROVED

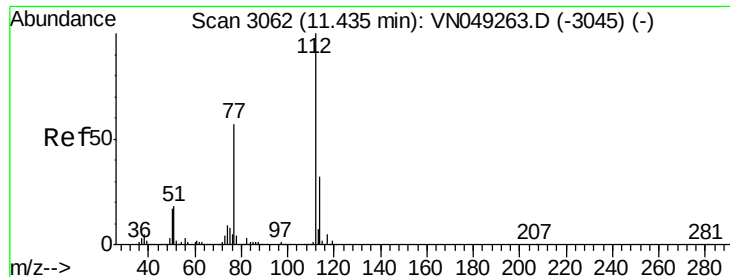
MMDadoda  
6/19/2018 1:55:45 PM



#64  
Tetrachloroethene  
Concen: 21.799 ug/l  
RT: 10.63 min Scan# 2813  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.2 | 101.4 | 152.2 |
| 129     | 94.2  | 74.1  | 111.1 |
| 131     | 90.5  | 73.7  | 110.5 |





#65

Chlorobenzene

Concen: 20.021 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion:112 Resp: 933601

Ion Ratio Lower Upper

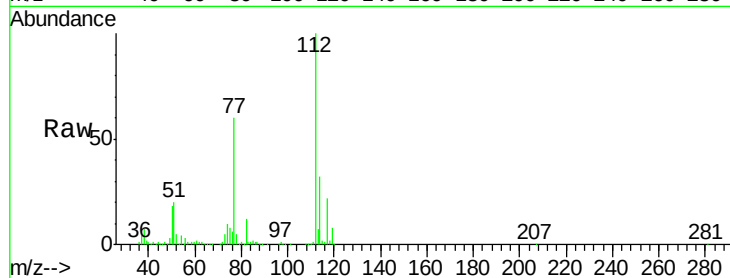
112 100

114 32.4 26.2 39.4

Manual Integrations  
APPROVED

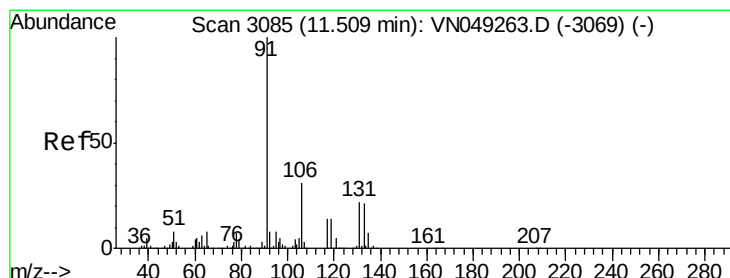
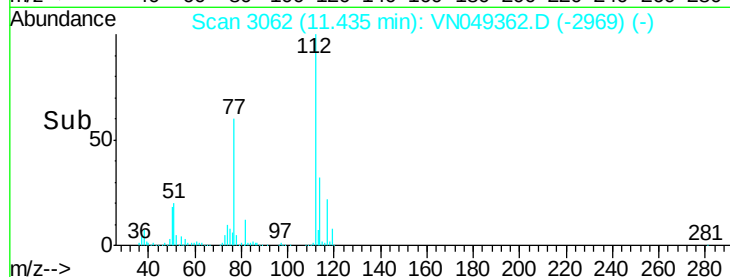
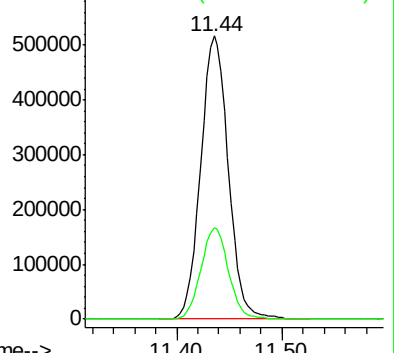
MMDadoda

6/19/2018 1:55:45 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.276 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

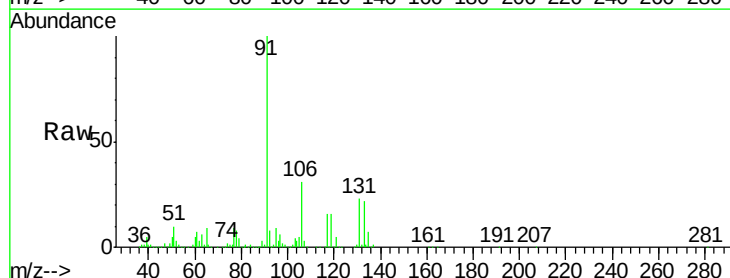
Tgt Ion:131 Resp: 355803

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.2

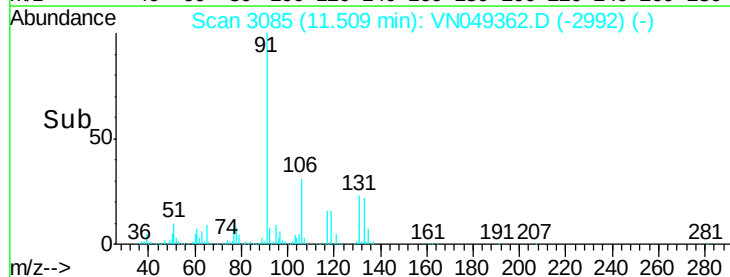
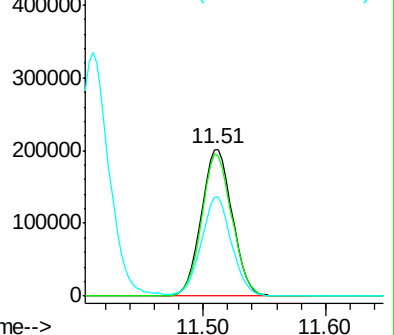
119 66.6 33.6 100.8

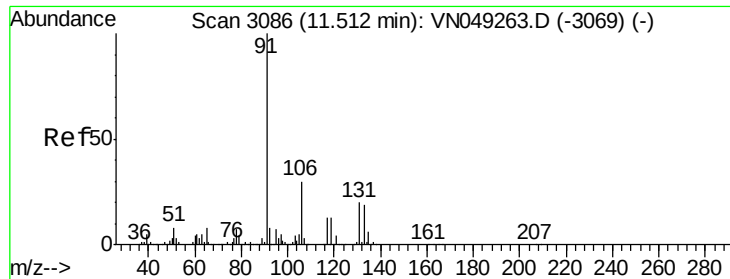


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.421 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion: 91 Resp: 1579490

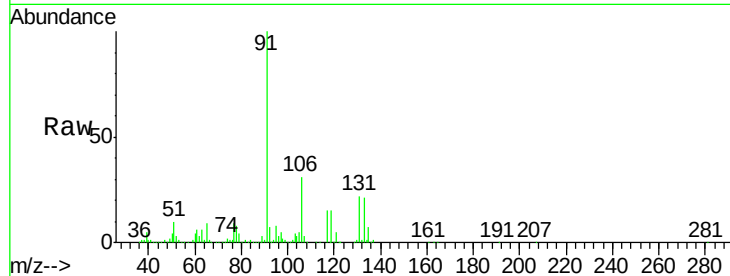
Ion Ratio Lower Upper

91 100

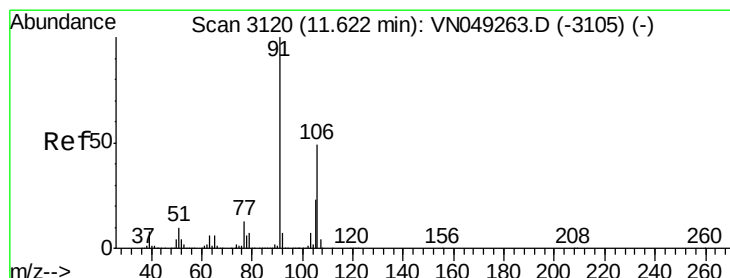
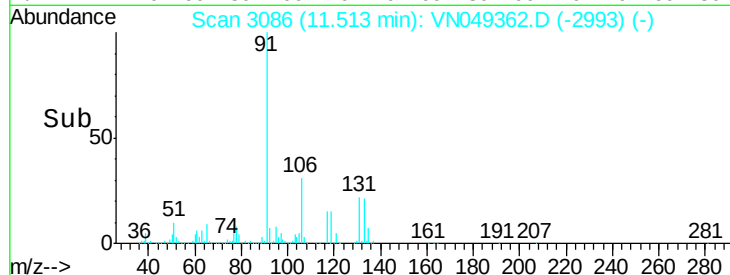
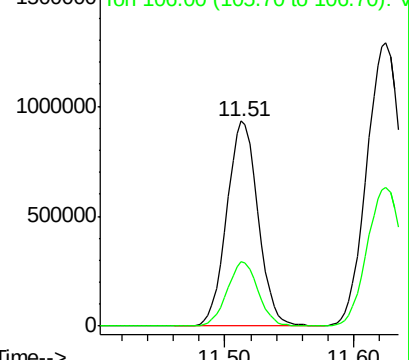
106 31.3 23.9 35.9

Manual Integrations  
APPROVED

MMDadoda  
6/19/2018 1:55:45 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049362.D (-2993) (-)



#68

m/p-Xylenes

Concen: 41.790 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049362.D

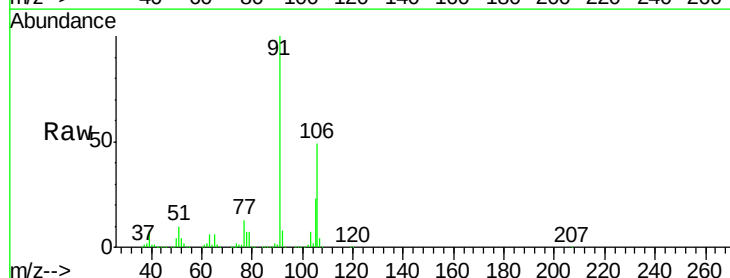
Acq: 19 Jun 2018 00:14

Tgt Ion: 106 Resp: 1213041

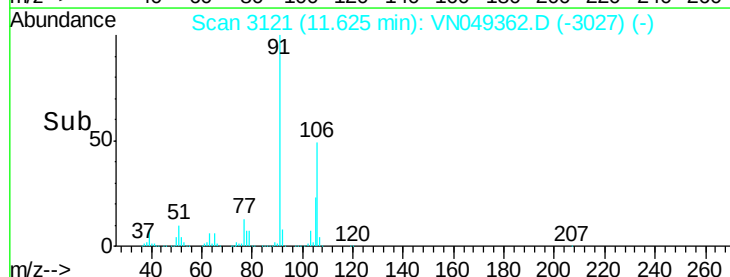
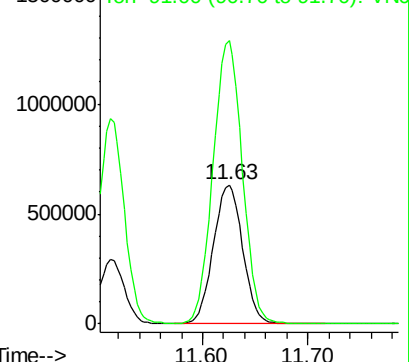
Ion Ratio Lower Upper

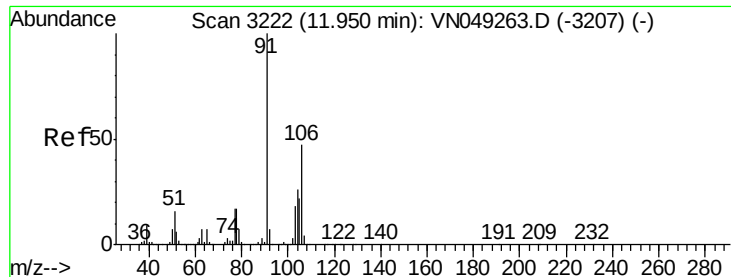
106 100

91 204.0 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049362.D (-3027) (-)





#69

o-Xylene

Concen: 21.027 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampled :

VN0618WBS02

Tot Ion:106 Resp: 587877

Ion Ratio Lower Upper

106 100

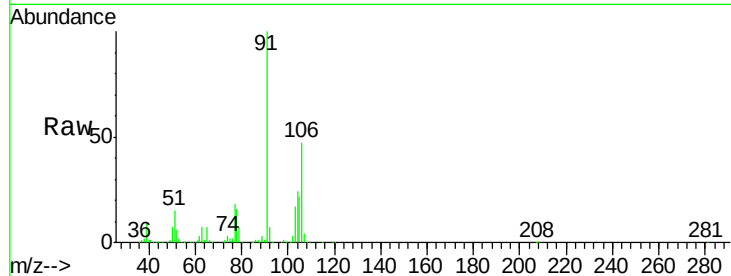
91 211.8 111.0 333.0

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:55:45 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

800000

600000

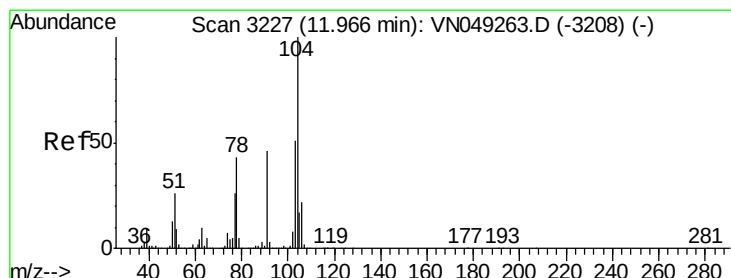
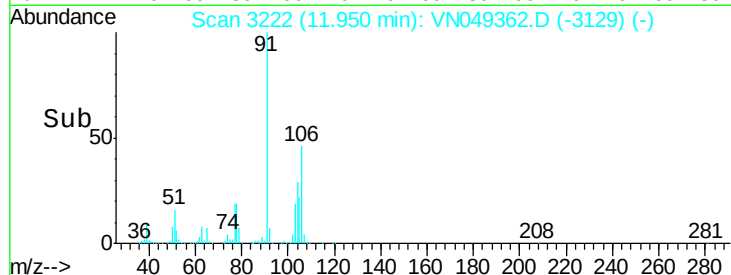
400000

200000

0

11.95

Time-->



#70

Styrene

Concen: 21.402 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

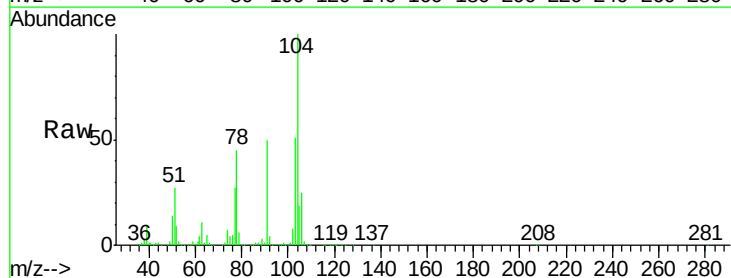
Tgt Ion:104 Resp: 944007

Ion Ratio Lower Upper

104 100

78 49.7 41.6 62.4

103 56.4 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

600000

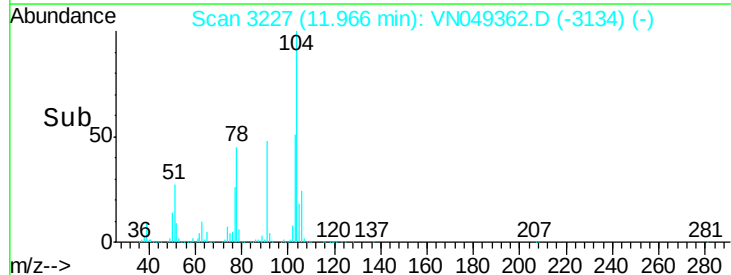
400000

200000

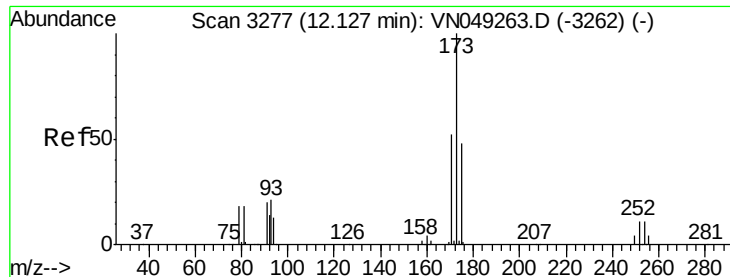
0

11.97

Time-->







#71

Bromoform

Concen: 21.332 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion:173 Resp: 242306

Ion Ratio Lower Upper

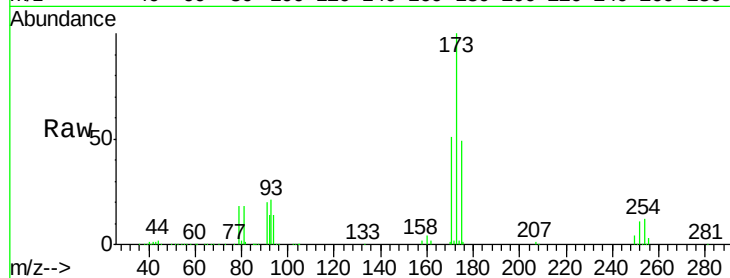
173 100

175 48.8 24.5 73.5

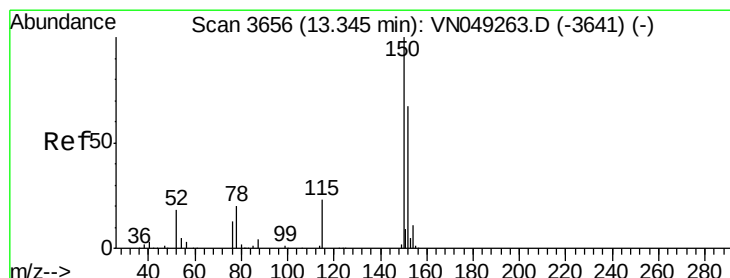
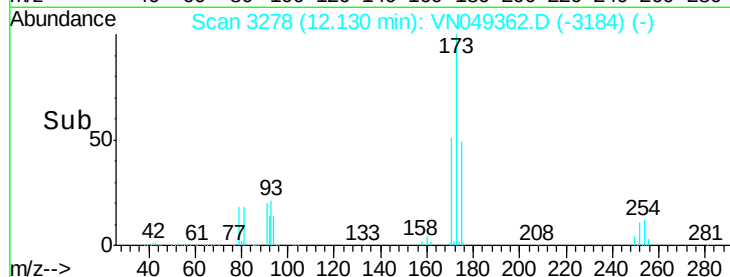
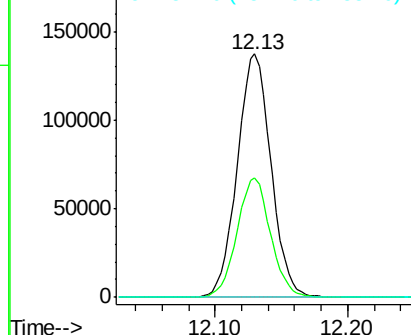
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

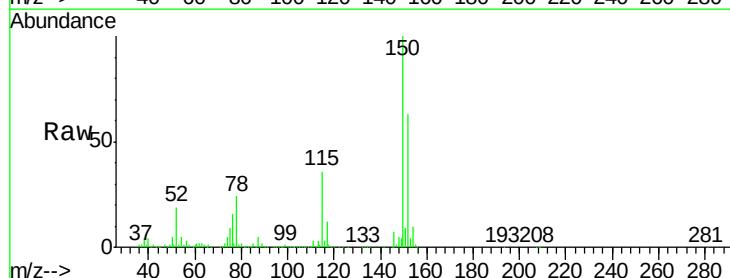
Tgt Ion:152 Resp: 878211

Ion Ratio Lower Upper

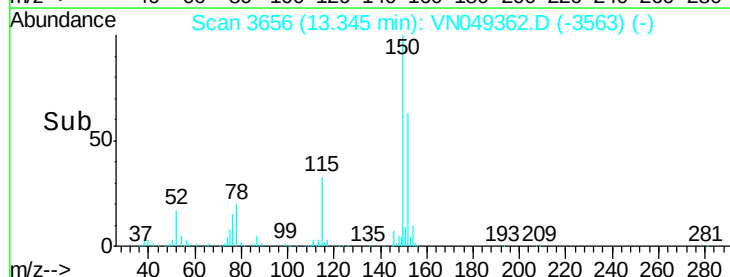
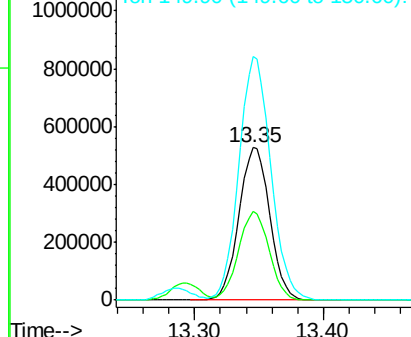
152 100

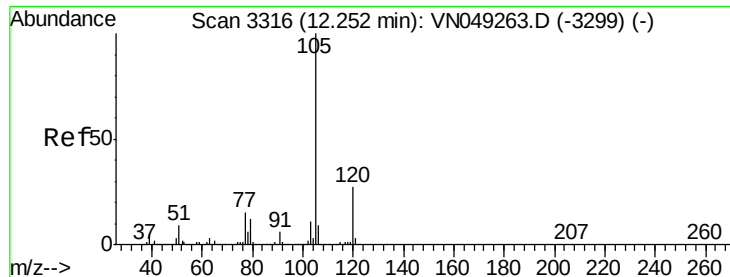
115 57.7 28.7 86.1

150 164.8 0.0 351.0



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: 20.184 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion:105 Resp: 1556390

Ion Ratio Lower Upper

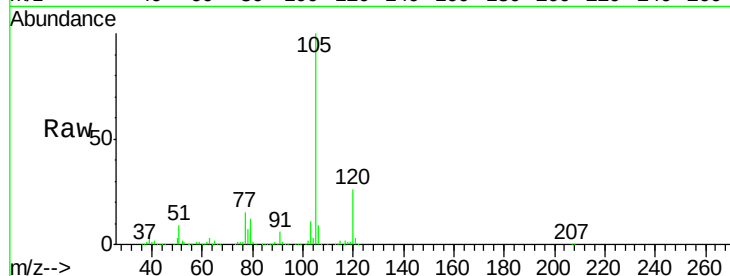
105 100

120 26.5 12.8 38.3

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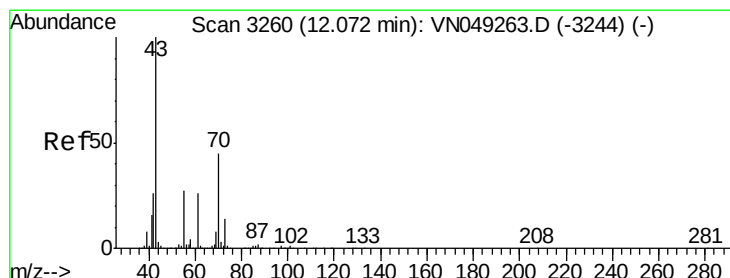
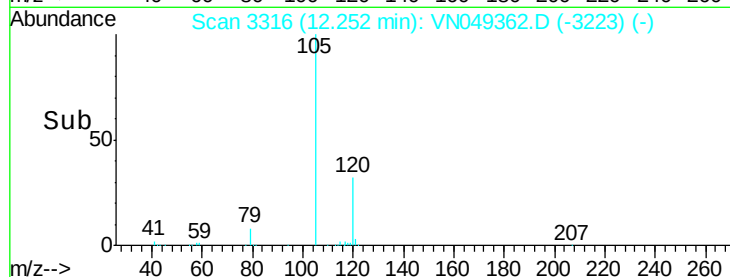
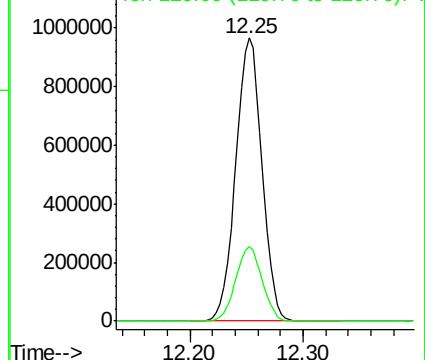
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.390 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Tgt Ion: 43 Resp: 403979

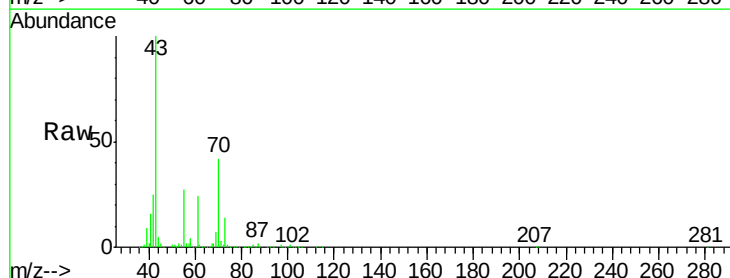
Ion Ratio Lower Upper

43 100

70 43.2 30.3 45.5

55 27.8 19.4 29.2

61 24.5 17.8 26.6

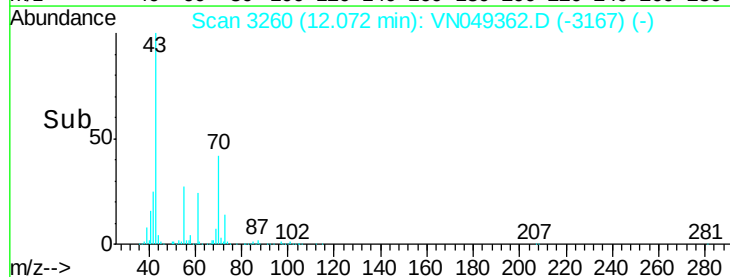
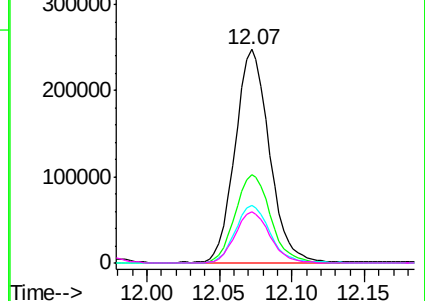


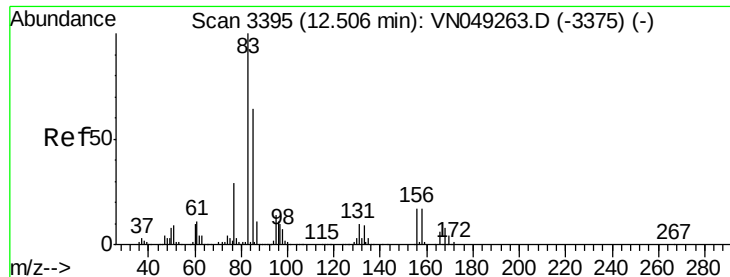
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.598 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion: 83 Resp: 377953  
Ion Ratio Lower Upper

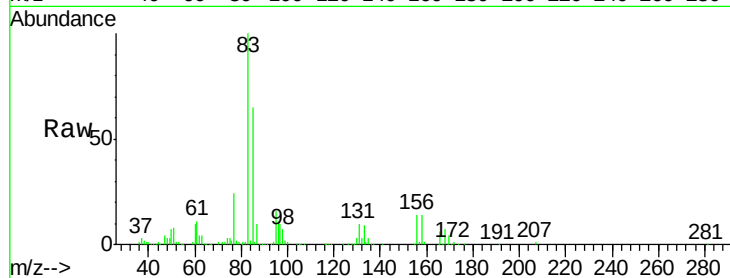
83 100

131 10.8 5.0 15.0

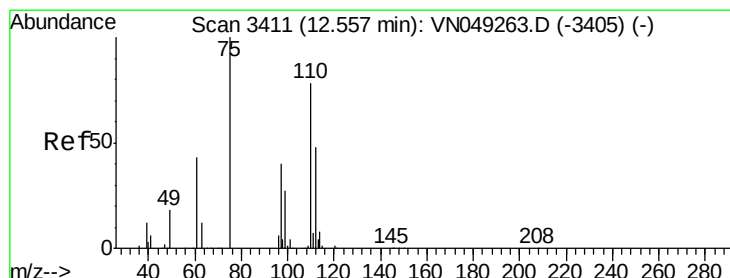
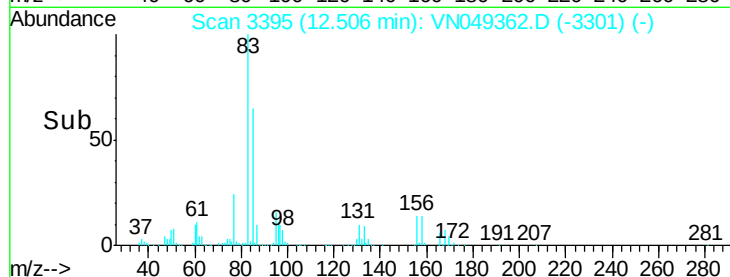
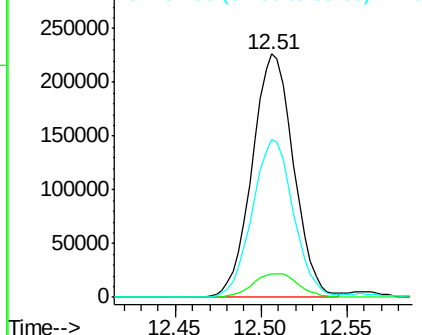
85 64.4 32.0 96.0

Manual Integrations  
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Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 130.80 (130.50 to 131.50): VN  
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 23.035 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

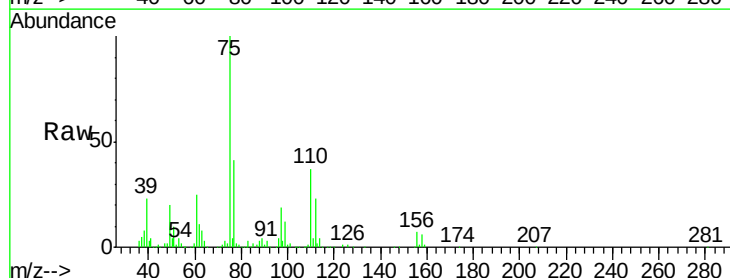
Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

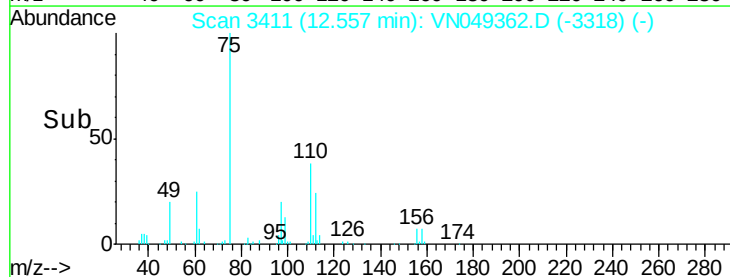
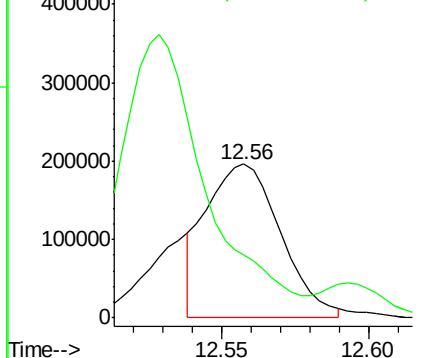
Tgt Ion: 75 Resp: 345164  
Ion Ratio Lower Upper

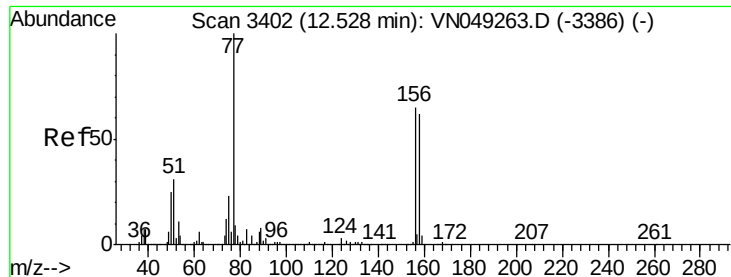
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0  
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 19.490 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

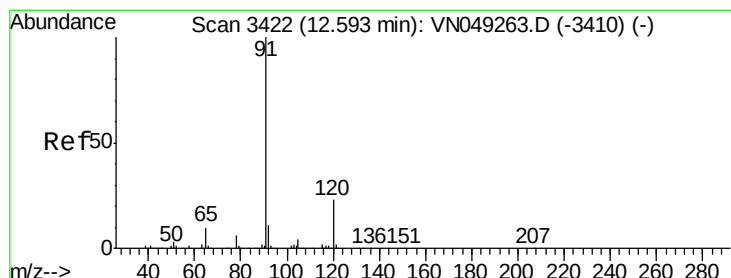
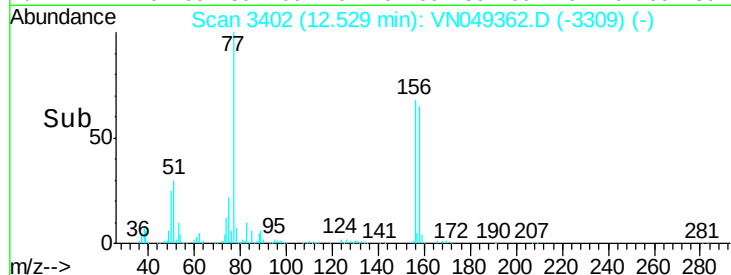
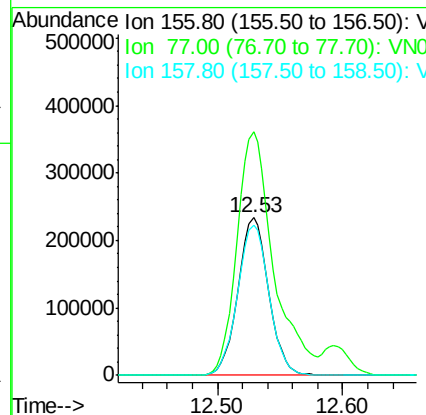
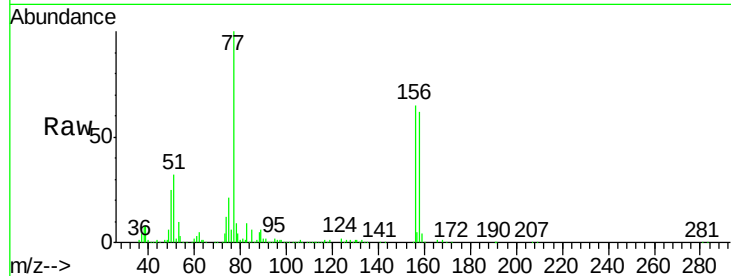
ClientSampleId :

VN0618WBS02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 396968 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 185.3 | 100.8 | 302.4  |
| 158       | 97.7  | 49.3  | 147.9  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 20.521 ug/l

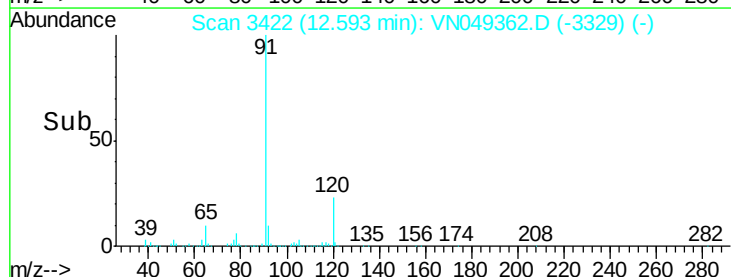
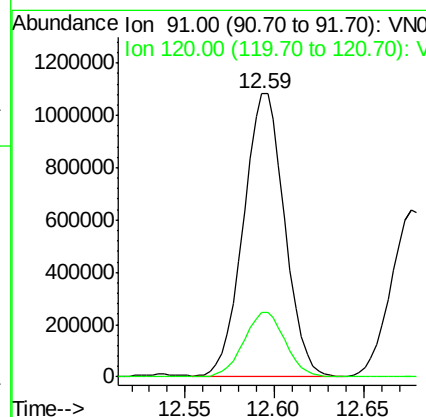
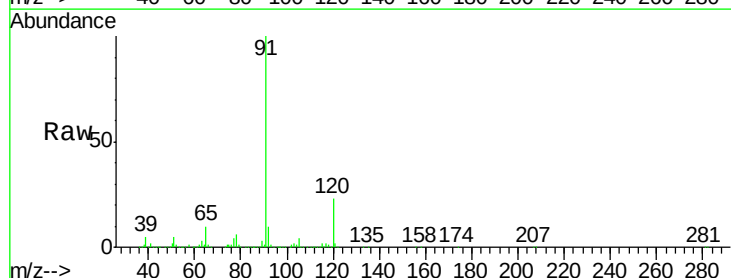
RT: 12.59 min Scan# 3422

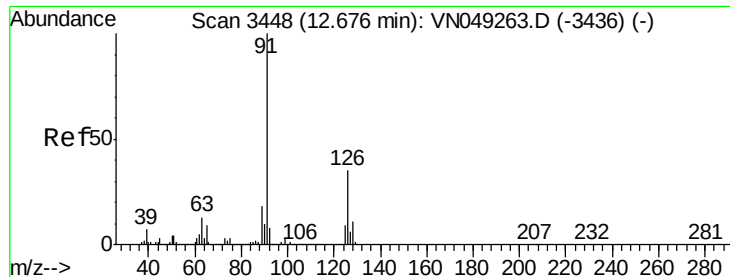
Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1737436 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.0  | 11.2  | 33.5    |





#79

2-Chlorotoluene

Concen: 20.088 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion: 91 Resp: 1077643

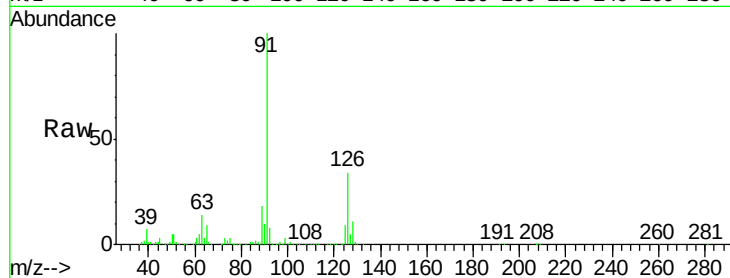
Ion Ratio Lower Upper

91 100

126 34.3 16.6 49.8

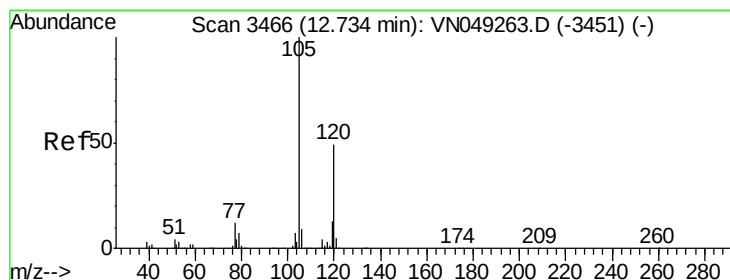
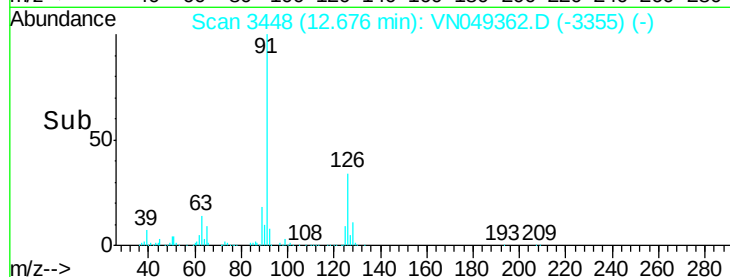
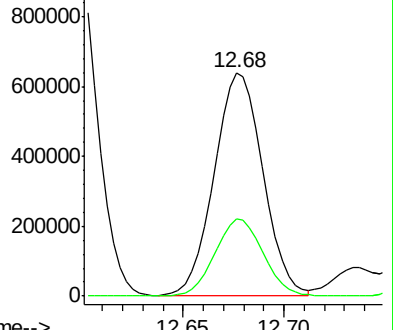
Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): VN049362.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049362.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.853 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049362.D

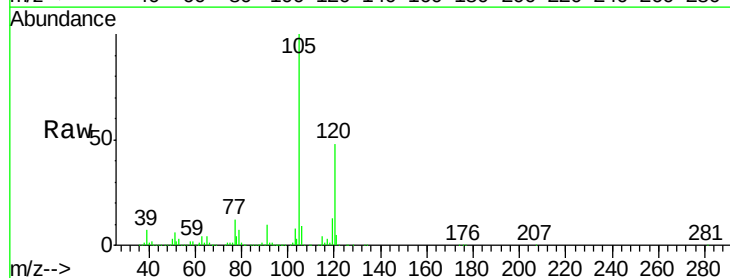
Acq: 19 Jun 2018 00:14

Tgt Ion: 105 Resp: 1263826

Ion Ratio Lower Upper

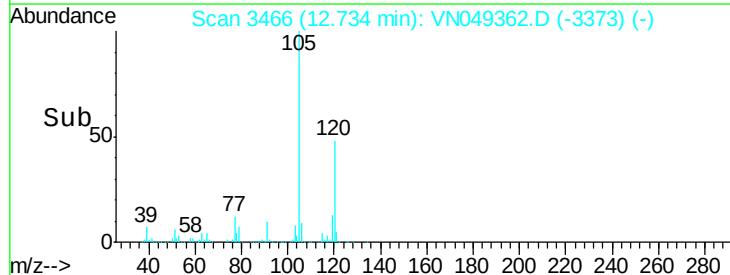
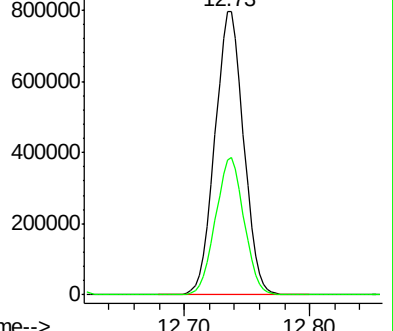
105 100

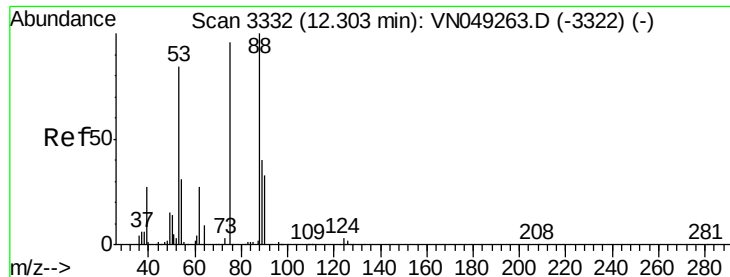
120 48.4 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049362.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049362.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.213 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

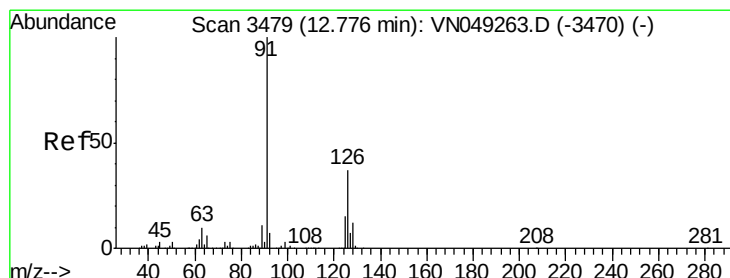
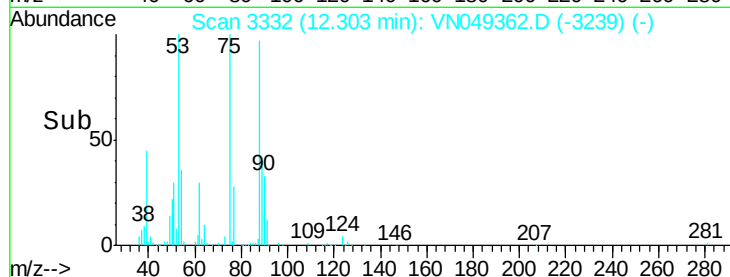
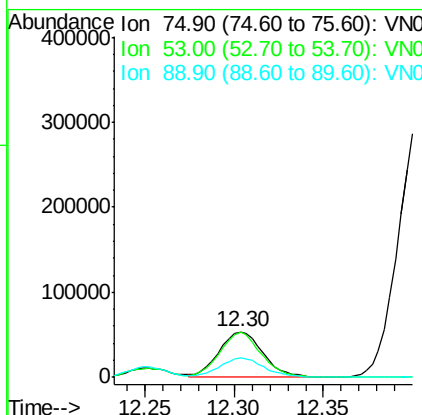
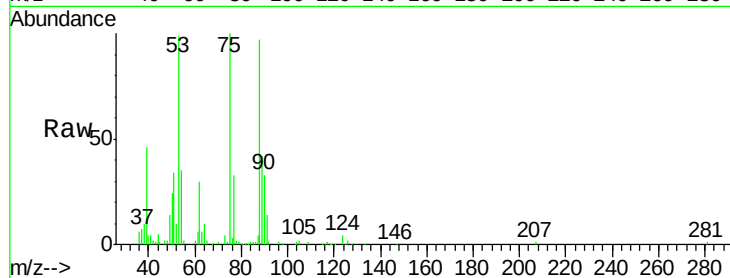
ClientSampleId :

VN0618WBS02

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 91089 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 95.3  | 82.7  | 124.1 |
| 89       | 44.2  | 36.5  | 54.7  |

Manual Integrations  
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6/19/2018 1:55:45 PM



#82

4-Chlorotoluene

Concen: 20.361 ug/l

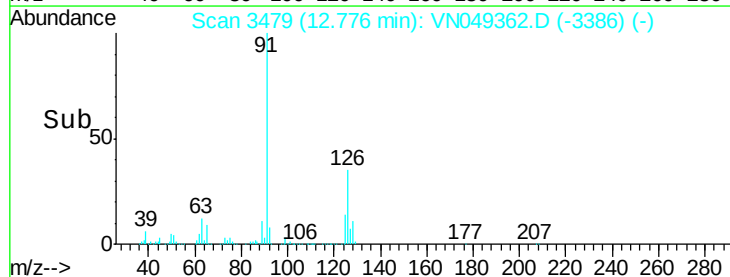
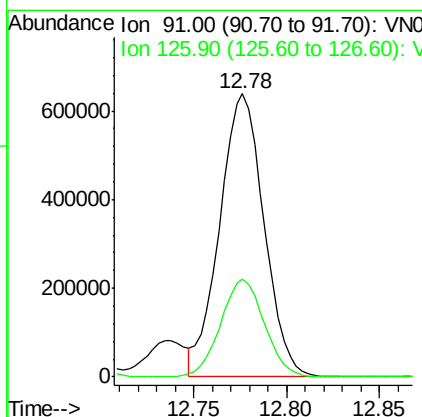
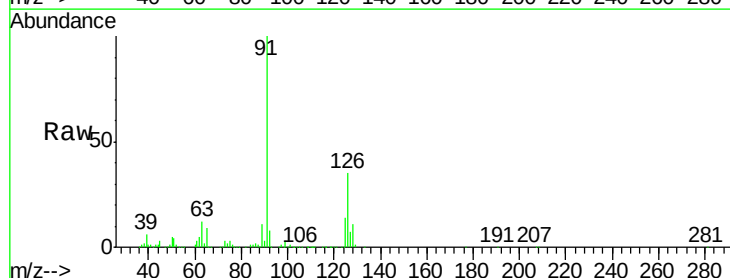
RT: 12.78 min Scan# 3479

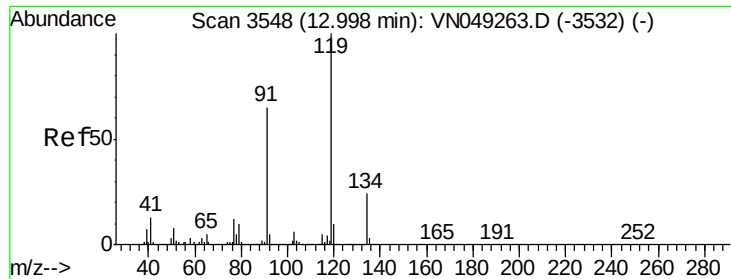
Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 1053756 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 126      | 34.4  | 16.4  | 49.1    |





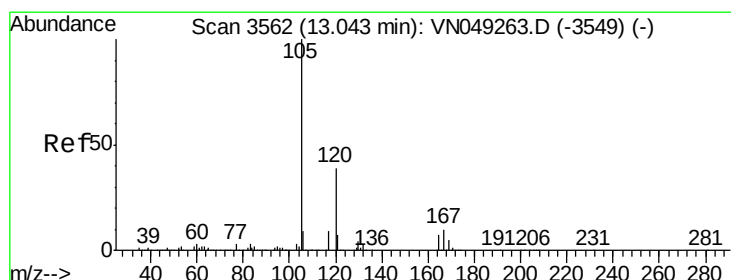
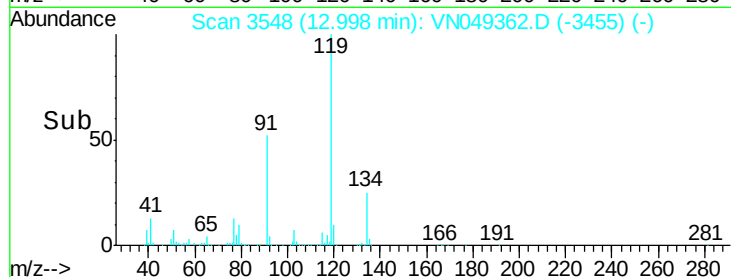
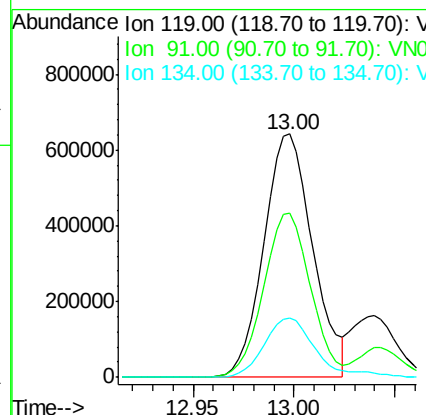
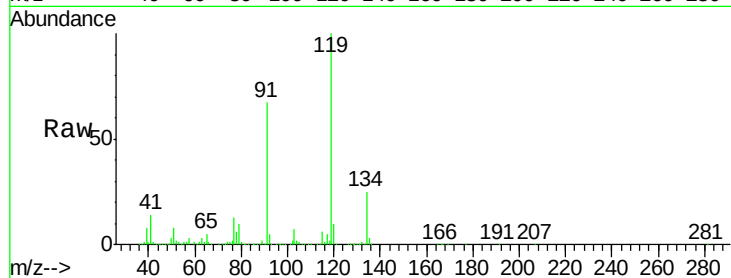
#83  
 tert-Butylbenzene  
 Concen: 20.212 ug/l  
 RT: 13.00 min Scan# 3548  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

Tot Ion:119 Resp: 1085261  
 Ion Ratio Lower Upper  
 119 100  
 91 64.5 33.7 101.0  
 134 25.7 12.9 38.6

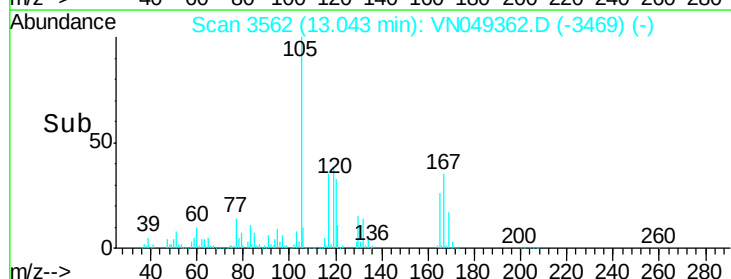
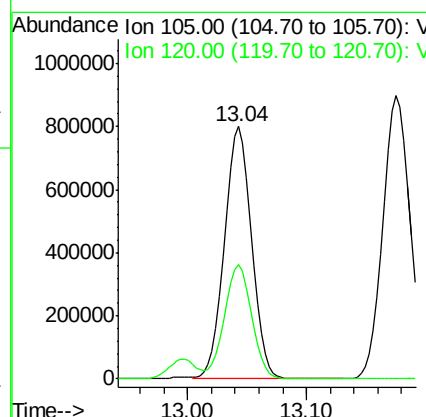
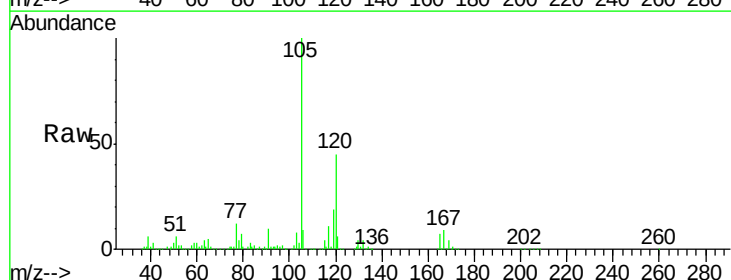
Manual Integrations  
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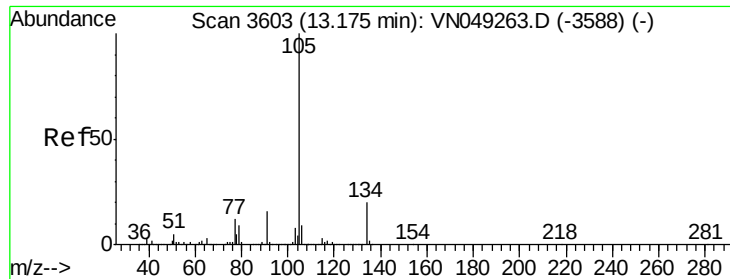
MMDadoda  
 6/19/2018 1:55:45 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.945 ug/l  
 RT: 13.04 min Scan# 3562  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Tgt Ion:105 Resp: 1261051  
 Ion Ratio Lower Upper  
 105 100  
 120 45.6 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.815 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VN0618WBS02

Tot Ion:105 Resp: 1416096

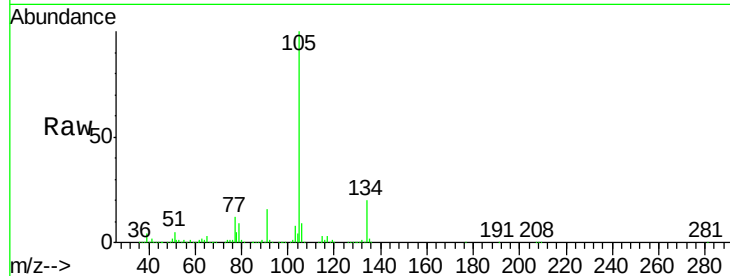
Ion Ratio Lower Upper

105 100

134 20.4 9.8 29.3

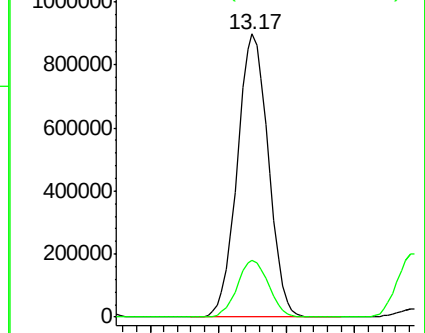
Manual Integrations  
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6/19/2018 1:55:45 PM

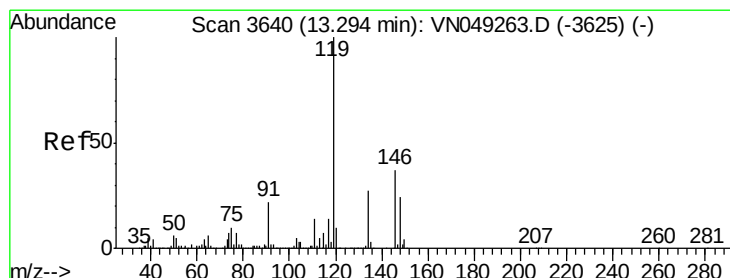
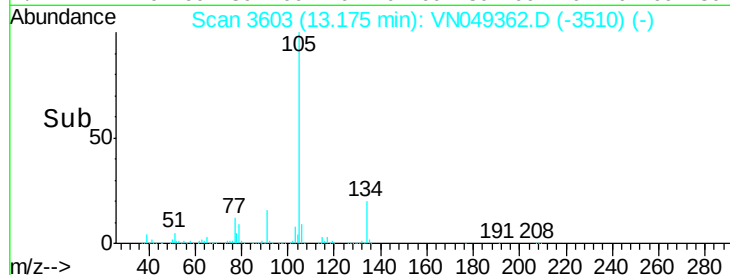


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.007 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049362.D

Acq: 19 Jun 2018 00:14

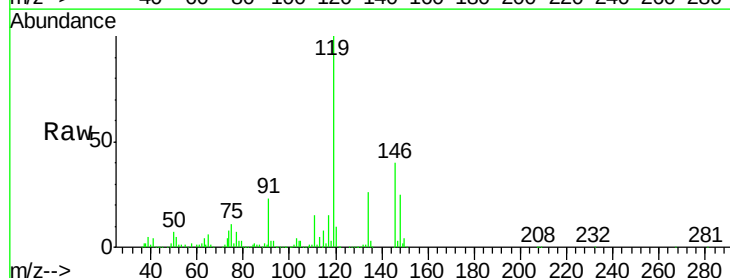
Tgt Ion:119 Resp: 1194596

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

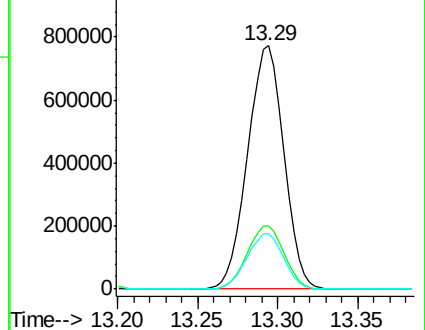
91 23.0 12.1 36.3



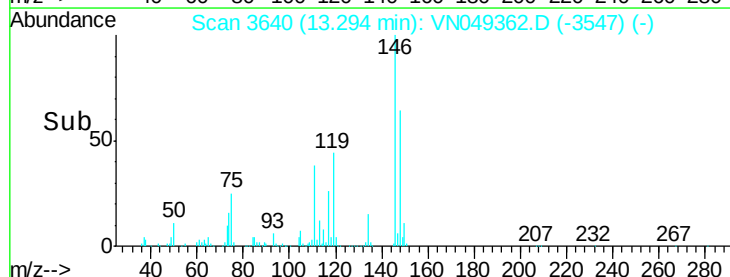
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

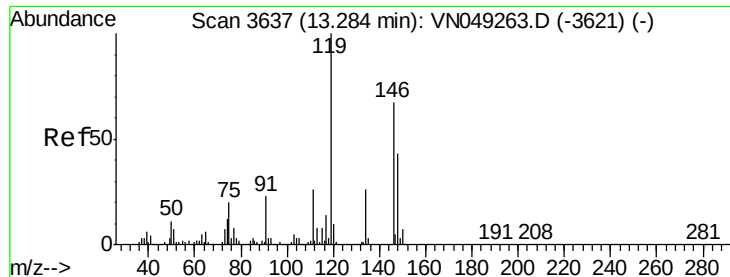
Ion 91.00 (90.70 to 91.70): V



Time--> 13.20 13.25 13.30 13.35







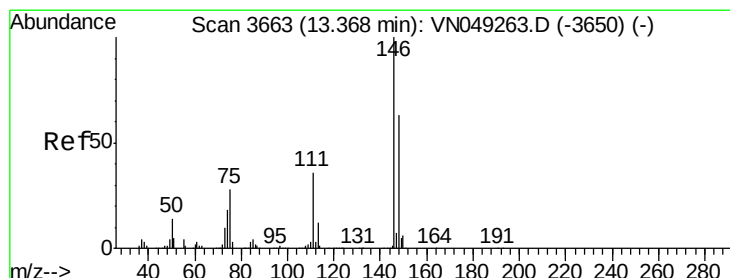
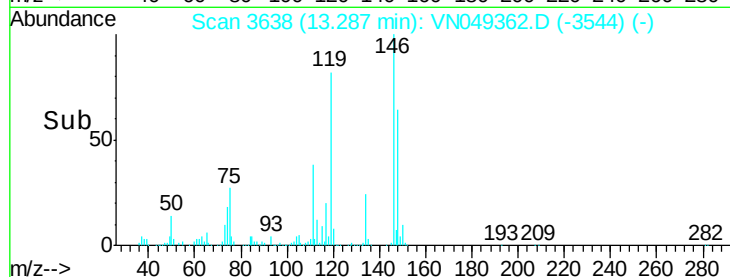
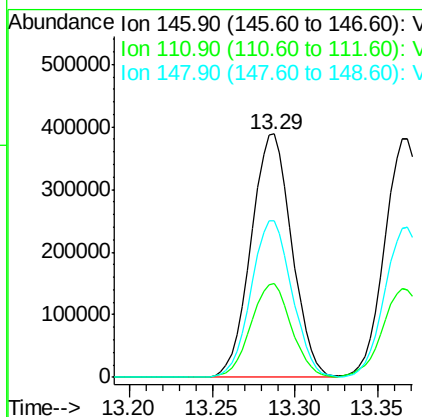
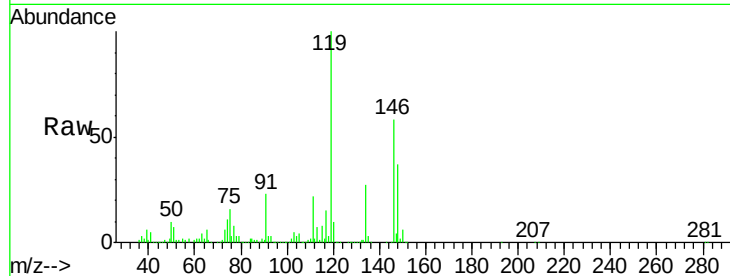
#87  
 1,3-Dichlorobenzene  
 Concen: 19.911 ug/l  
 RT: 13.29 min Scan# 3638  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 19.9  | 59.6  |
| 148     | 64.4  | 32.1  | 96.5  |

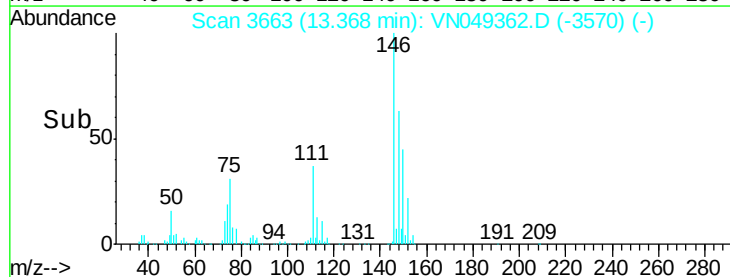
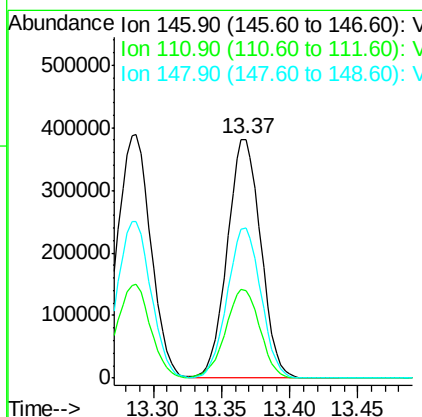
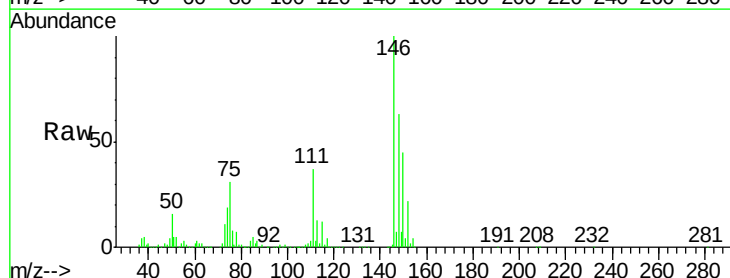
Manual Integrations  
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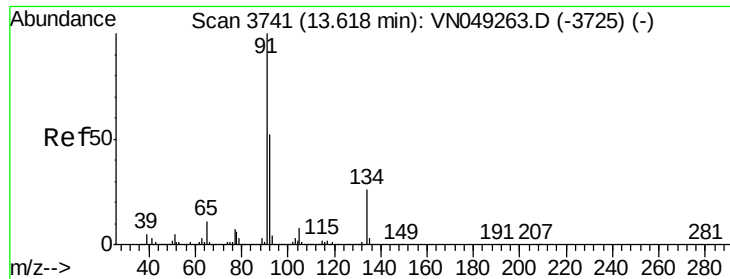
MMDadoda  
 6/19/2018 1:55:45 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.557 ug/l  
 RT: 13.37 min Scan# 3663  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 19.1  | 57.1  |
| 148     | 63.3  | 32.0  | 96.2  |





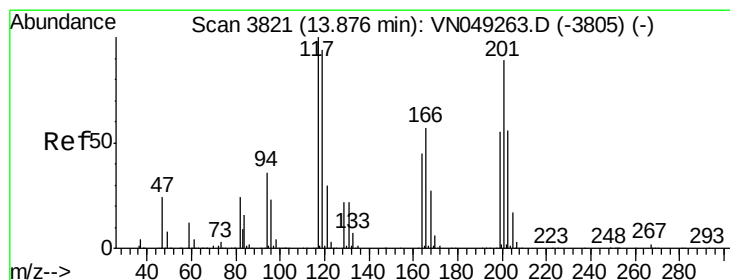
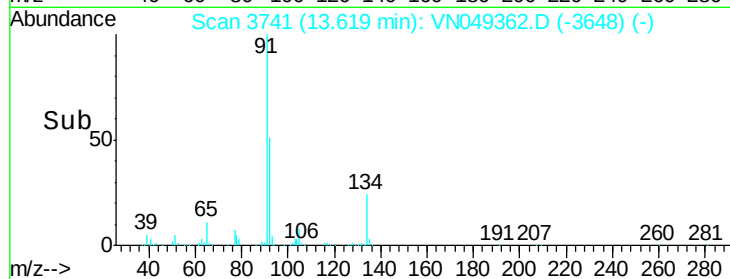
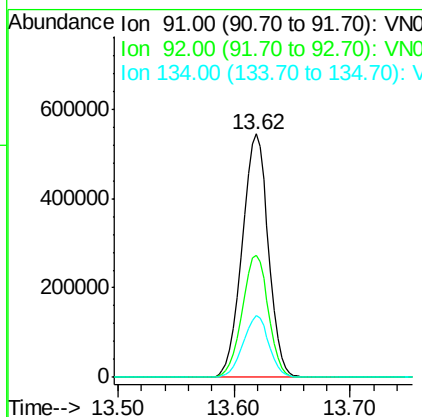
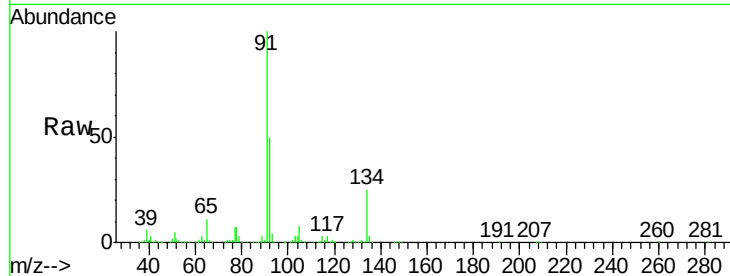
#89  
n-Butylbenzene  
Concen: 18.310 ug/l  
RT: 13.62 min Scan# 3741  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 50.2  | 25.1  | 75.4  |
| 134     | 25.0  | 12.0  | 36.0  |

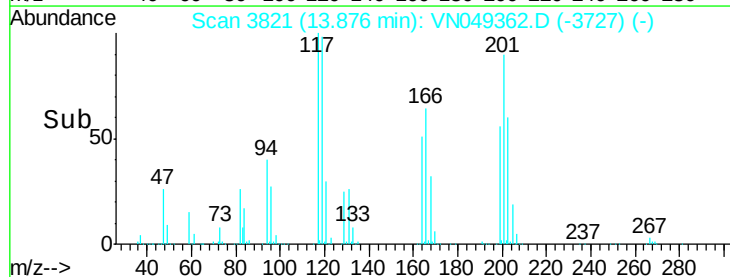
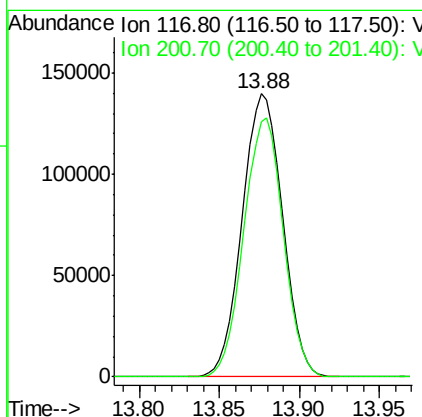
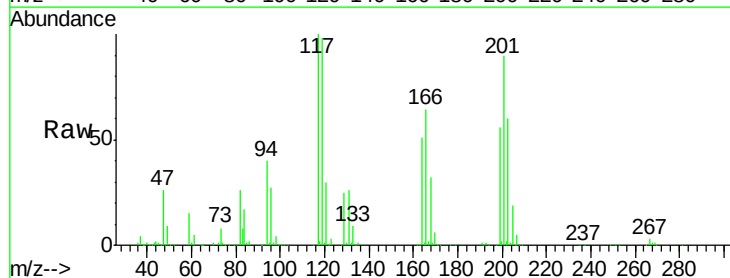
Manual Integrations  
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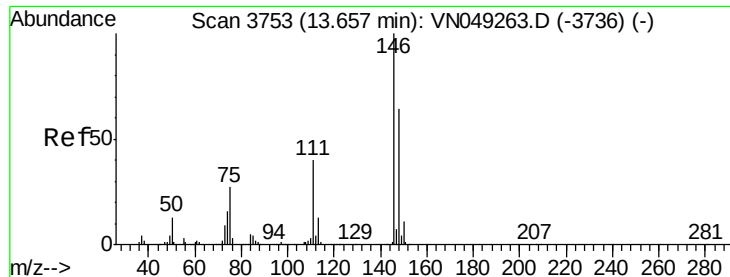
MMDadoda  
6/19/2018 1:55:45 PM



#90  
Hexachloroethane  
Concen: 20.316 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 89.4  | 40.1  | 120.2 |





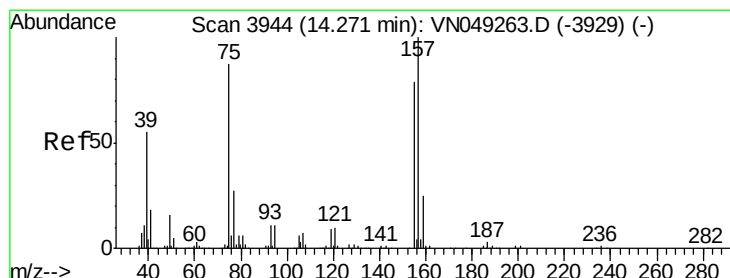
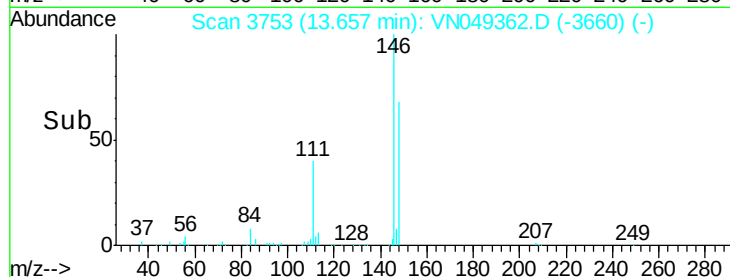
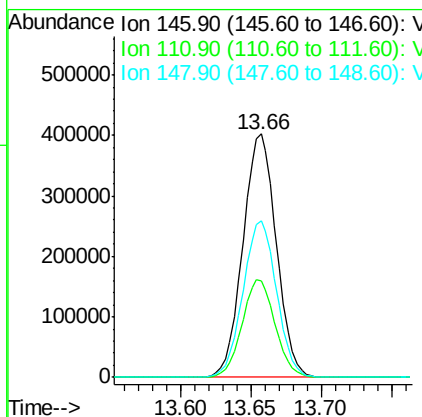
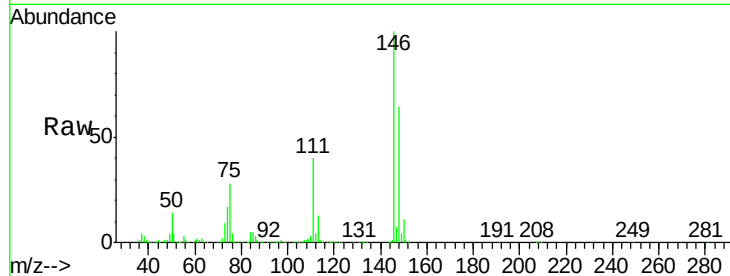
#91  
 1,2-Dichlorobenzene  
 Concen: 20.332 ug/l  
 RT: 13.66 min Scan# 3753  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.5  | 20.8  | 62.2  |
| 148     | 64.5  | 32.0  | 96.2  |

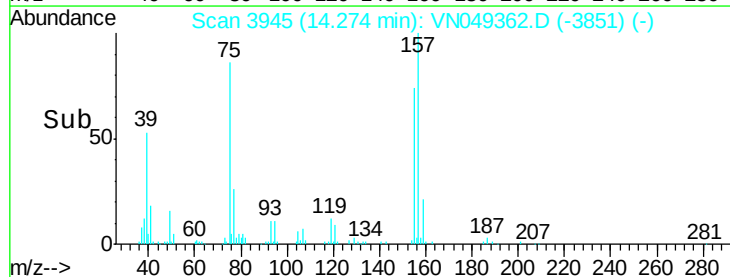
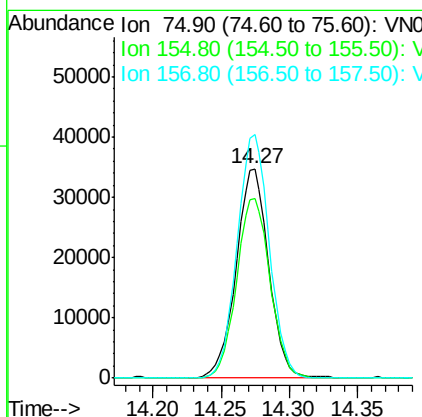
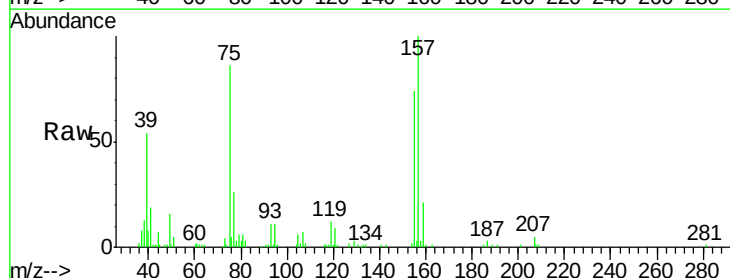
Manual Integrations  
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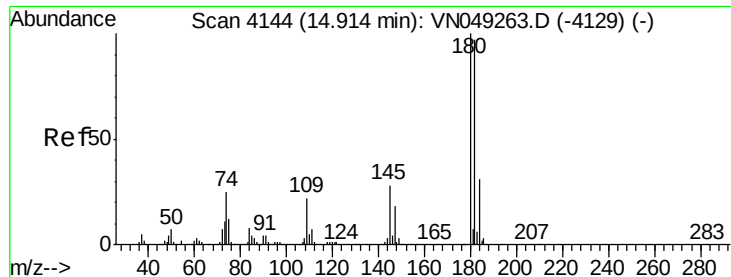
MMDadoda  
 6/19/2018 1:55:45 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.454 ug/l  
 RT: 14.27 min Scan# 3945  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 87.9  | 38.8  | 116.3 |
| 157     | 114.7 | 51.0  | 153.1 |





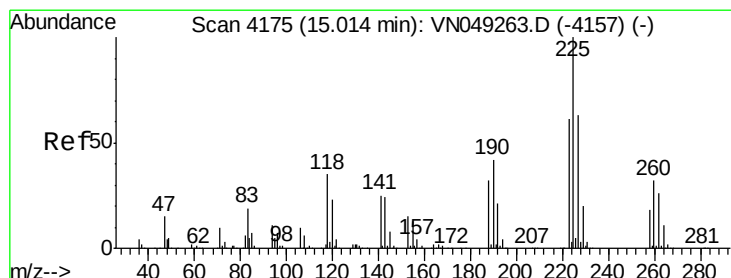
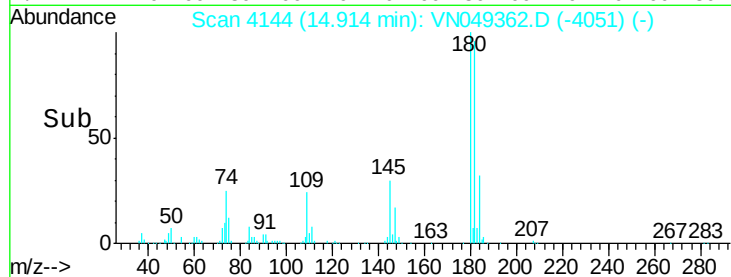
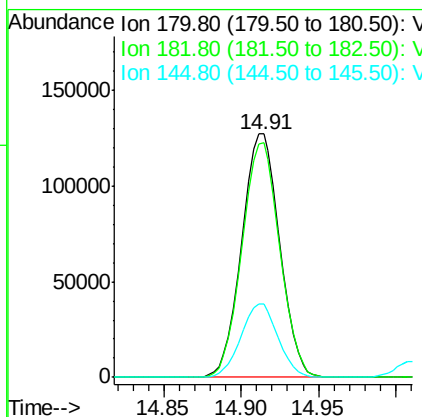
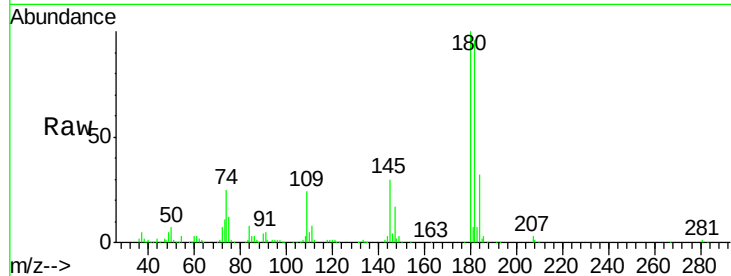
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.801 ug/l  
 RT: 14.91 min Scan# 4144  
 Delta R.T. 0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0618WBS02

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 217290 |       |       |
| 182     | 95.8  | 46.9   | 140.8 |       |
| 145     | 29.5  | 14.7   | 44.1  |       |

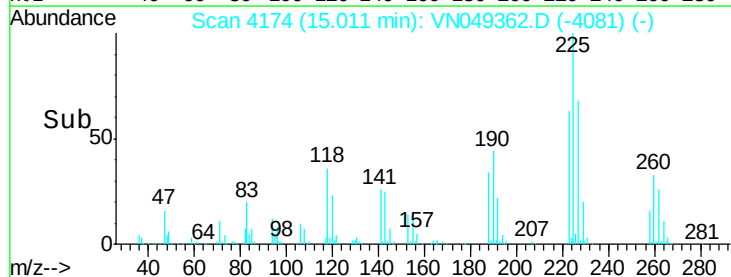
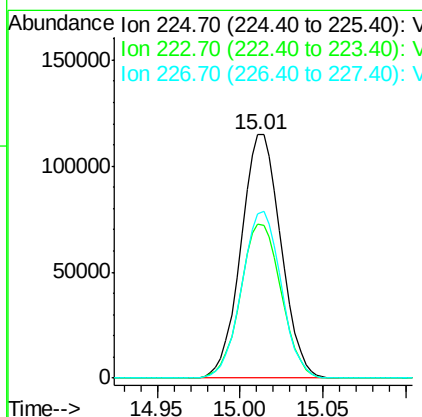
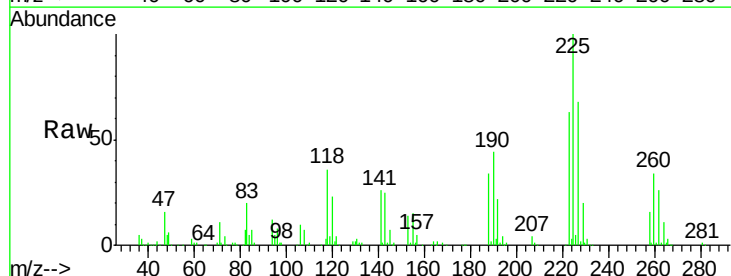
Manual Integrations  
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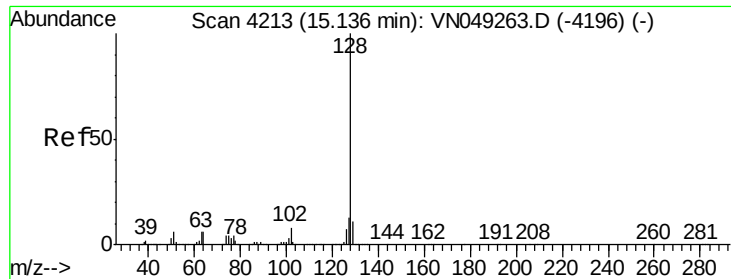
MMDadoda  
 6/19/2018 1:55:45 PM



#94  
 Hexachlorobutadiene  
 Concen: 18.316 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN049362.D  
 Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 192620 |       |       |
| 223     | 64.7  | 32.1   | 96.3  |       |
| 227     | 67.5  | 31.8   | 95.3  |       |





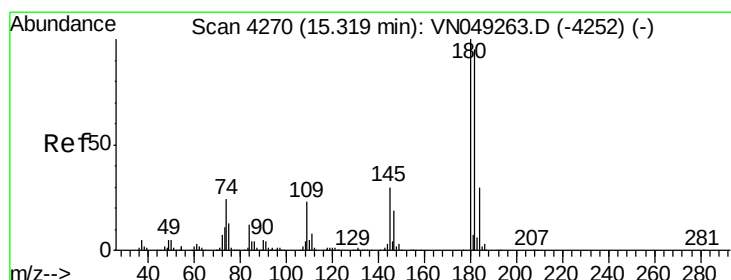
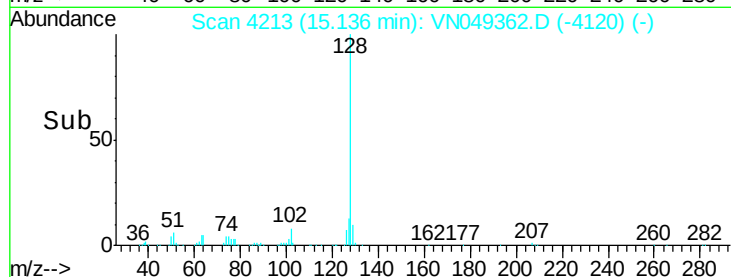
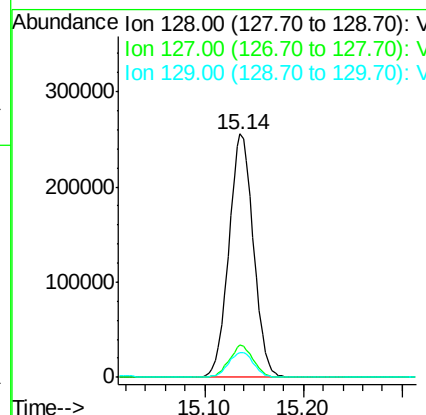
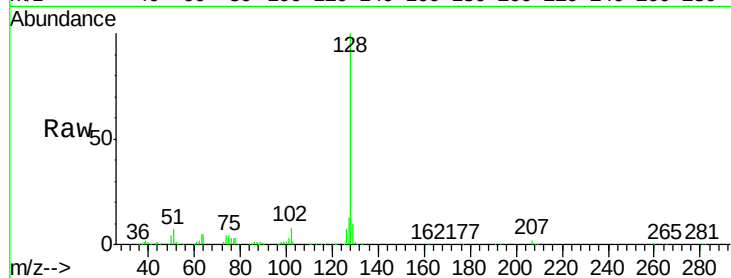
#95  
Naphthalene  
Concen: 19.515 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0618WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.6  | 16.0  |
| 129     | 10.7  | 8.5   | 12.7  |

Manual Integrations  
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6/19/2018 1:55:45 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 18.662 ug/l  
RT: 15.32 min Scan# 4270  
Delta R.T. 0.00 min  
Lab File: VN049362.D  
Acq: 19 Jun 2018 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.4  | 47.3  | 141.8 |
| 145     | 29.6  | 15.6  | 46.7  |

