

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
 Data File : VN049269.D  
 Acq On : 15 Jun 2018 19:42  
 Operator : MD\SY  
 Sample : VN0616WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 6/18/2018 3:16:15 PM

Quant Time: Jun 16 01:38:53 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  | 1450822  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2191890  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1980121  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 938533   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 973670   | 50.60 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.20% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 890537   | 50.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.44% |      |
| 50) Toluene-d8            | 10.09  | 98  | 3349881  | 49.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.22%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 1094688  | 49.03 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.06%  |      |

## Target Compounds

|                               |      |     |         |        |        | Qvalue |
|-------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 315747  | 18.91  | ug/l   | 100    |
| 3) Chloromethane              | 2.06 | 50  | 414053  | 19.20  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 439906  | 19.20  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94  | 232293  | 19.28  | ug/l   | 98     |
| 6) Chloroethane               | 2.70 | 64  | 269041  | 19.69  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 557073  | 19.49  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 201339  | 20.17  | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 352933  | 19.46  | ug/l   | 91     |
| 10) Methyl Iodide             | 3.95 | 142 | 327192  | 17.33  | ug/l   | 92     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 117492  | 104.03 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 323439  | 19.44  | ug/l   | 90     |
| 13) Acrolein                  | 3.61 | 56  | 118717  | 100.23 | ug/l   | 99     |
| 14) Allyl chloride            | 4.32 | 41  | 527551  | 20.08  | ug/l   | 89     |
| 15) Acrylonitrile             | 4.99 | 53  | 578375  | 102.41 | ug/l   | 97     |
| 16) Acetone                   | 3.82 | 43  | 453776  | 97.12  | ug/l   | 92     |
| 17) Carbon Disulfide          | 4.05 | 76  | 975352  | 18.71  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 280977  | 19.72  | ug/l   | 93     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 881763  | 20.79  | ug/l   | 98     |
| 20) Methylene Chloride        | 4.55 | 84  | 376170  | 19.28  | ug/l   | 90     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 342139  | 19.43  | ug/l   | 95     |
| 22) Diisopropyl ether         | 5.96 | 45  | 1098903 | 20.95  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 3515040 | 102.80 | ug/l   | 95     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 671837  | 20.01  | ug/l   | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 626584  | 99.88  | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 545617  | 20.12  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 391152  | 19.98  | ug/l   | 93     |
| 28) Bromochloromethane        | 7.19 | 49  | 304813  | 20.48  | ug/l # | 83     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 410671  | 101.69 | ug/l   | 94     |
| 30) Chloroform                | 7.37 | 83  | 669030  | 20.02  | ug/l   | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 582498  | 20.36  | ug/l   | 91     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 578146  | 20.28  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 495009  | 19.70  | ug/l   | 97     |
| 37) Ethyl Acetate             | 6.93 | 43  | 288499  | 21.12  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 511720  | 19.68  | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
 Data File : VN049269.D  
 Acq On : 15 Jun 2018 19:42  
 Operator : MD\SY  
 Sample : VN0616WBSD01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 6/18/2018 3:16:15 PM

Quant Time: Jun 16 01:38:53 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   | 518593   | 19.23  | ug/l   | 96       |
| 40) Benzene                    | 8.04  | 78   | 1523552  | 19.78  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 150889   | 20.44  | ug/l # | 100      |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 475013   | 19.96  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 520012   | 19.93  | ug/l   | 95       |
| 44) Trichloroethene            | 8.84  | 130  | 398187   | 19.58  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 400954   | 19.88  | ug/l   | 98       |
| 46) Dibromomethane             | 9.21  | 93   | 232860   | 19.91  | ug/l   | 92       |
| 47) Bromodichloromethane       | 9.40  | 83   | 507421   | 19.75  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.20  | 41   | 251356   | 20.46  | ug/l   | 87       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 68436    | 403.53 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1383704  | 101.18 | ug/l   | 94       |
| 52) Toluene                    | 10.16 | 92   | 932191   | 20.62  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 478598   | 19.47  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 575782   | 19.84  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 337309   | 20.02  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 392079   | 20.17  | ug/l # | 87       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 548402   | 19.64  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 557787   | 89.98  | ug/l   | 95       |
| 59) 2-Hexanone                 | 10.75 | 43   | 886320   | 100.53 | ug/l   | 94       |
| 60) Dibromochloromethane       | 10.90 | 129  | 371196   | 19.74  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 310853   | 19.85  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 405111   | 19.97  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.44 | 112  | 1004631  | 19.69  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 366809   | 19.11  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1696456  | 20.05  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 1313463  | 41.37  | ug/l   | 96       |
| 69) o-Xylene                   | 11.95 | 106  | 640906   | 20.96  | ug/l   | 93       |
| 70) Styrene                    | 11.97 | 104  | 996057   | 20.64  | ug/l   | 98       |
| 71) Bromoform                  | 12.13 | 173  | 245492   | 19.76  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1688195  | 20.49  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 392370   | 19.44  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 389649   | 21.72  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.56 | 75   | 315483m  | 19.70  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 412251   | 18.94  | ug/l   | 92       |
| 78) n-propylbenzene            | 12.59 | 91   | 1874285  | 20.71  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 1144648  | 19.97  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1358862  | 20.98  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 97408    | 19.22  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 12.78 | 91   | 1126062  | 20.36  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1153866  | 20.11  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1354852  | 21.06  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1549250  | 20.28  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1293765  | 20.28  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 702128   | 19.61  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 686323   | 19.34  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 964320   | 19.35  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.88 | 117  | 261037   | 20.62  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 691829   | 19.70  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 54488    | 18.99  | ug/l   | 87       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
Data File : VN049269.D  
Acq On : 15 Jun 2018 19:42  
Operator : MD\SY  
Sample : VN0616WBSD01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

Manual Integrations  
APPROVED

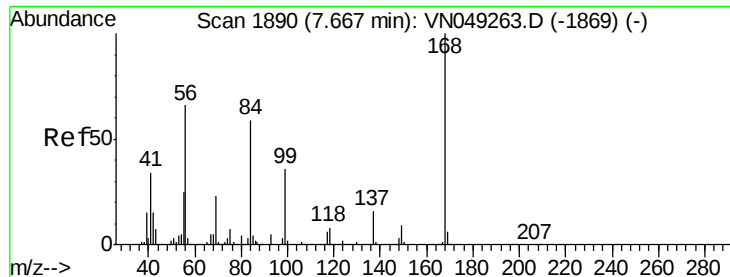
MMDadoda  
6/18/2018 3:16:15 PM

Quant Time: Jun 16 01:38:53 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  | 245194   | 18.53 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 226049   | 20.40 | ug/l  | 99       |
| 95) Naphthalene            | 15.14 | 128  | 478392   | 19.56 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 269222   | 19.38 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampled :

VN0616WBSD01

Tot Ion:168 Resp: 1450822

Ion Ratio Lower Upper

168 100

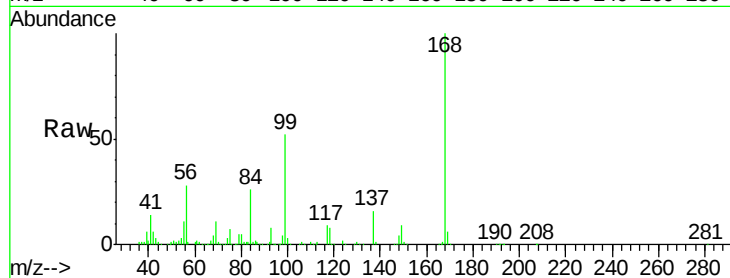
99 50.7 45.8 68.6

Manual Integrations

APPROVED

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6/18/2018 3:16:15 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

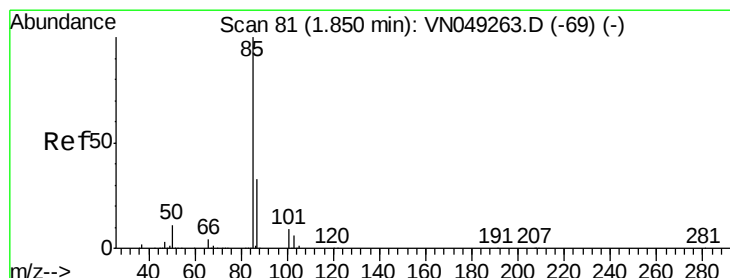
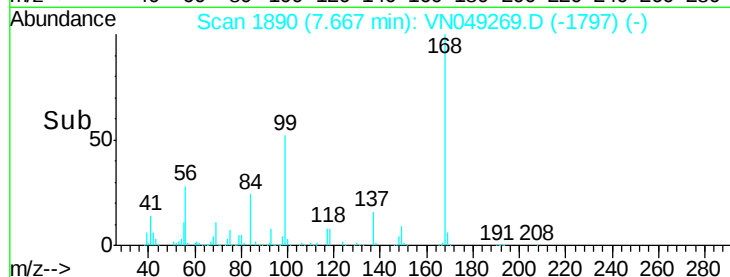
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.91 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049269.D

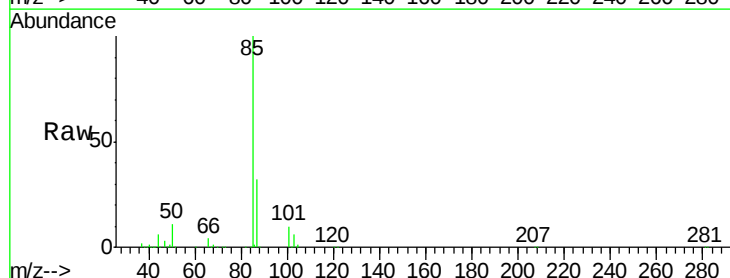
Acq: 15 Jun 2018 19:42

Tgt Ion: 85 Resp: 315747

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

250000

200000

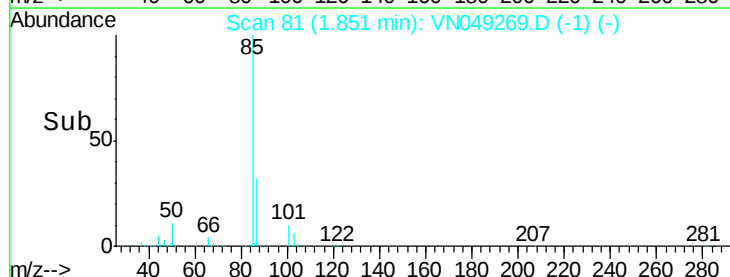
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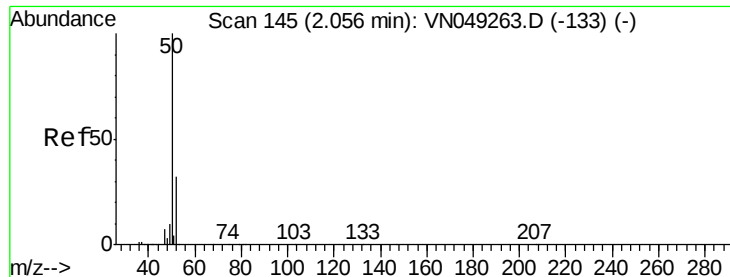
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50000

0

Time-->





#3

Chloromethane

Concen: 19.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampled :

VN0616WBSD01

Tot Ion: 50 Resp: 414053

Ion Ratio Lower Upper

50 100

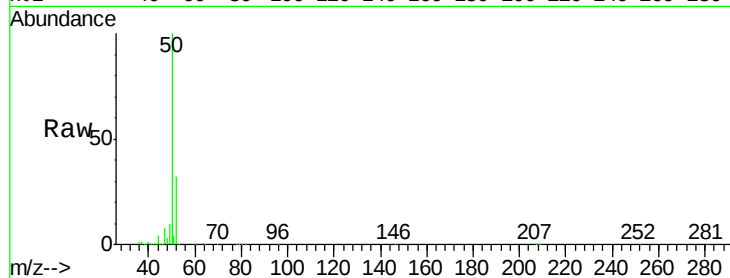
52 31.9 25.2 37.8

Manual Integrations

APPROVED

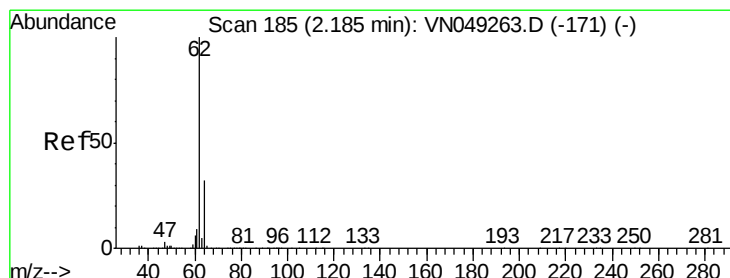
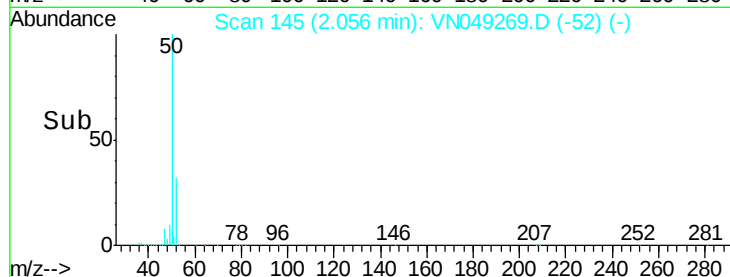
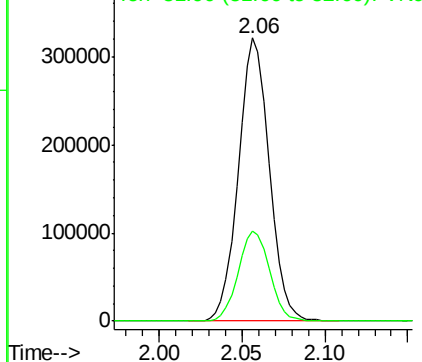
MMDadoda

6/18/2018 3:16:15 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.20 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049269.D

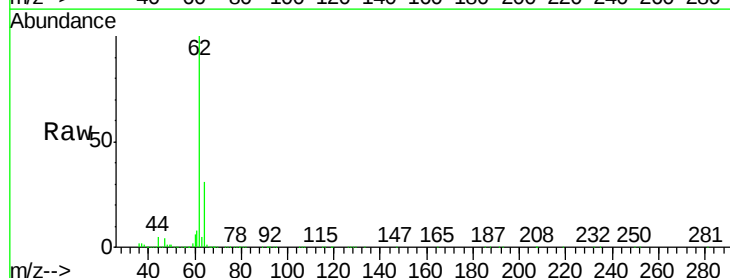
Acq: 15 Jun 2018 19:42

Tgt Ion: 62 Resp: 439906

Ion Ratio Lower Upper

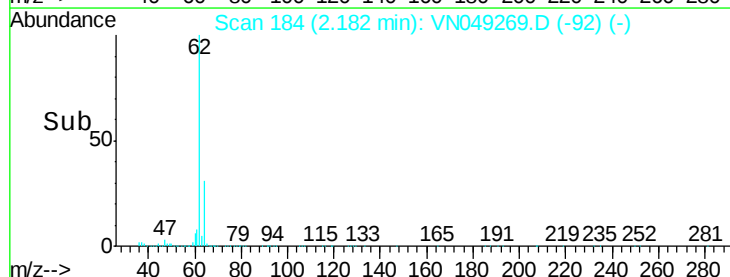
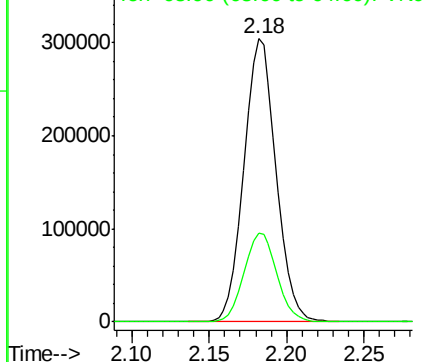
62 100

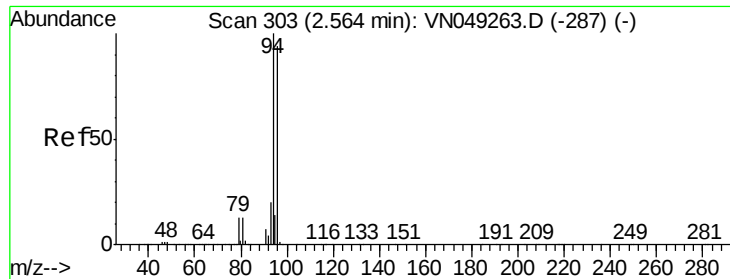
64 31.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.28 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBSD01

Tot Ion: 94 Resp: 232293

Ion Ratio Lower Upper

94 100

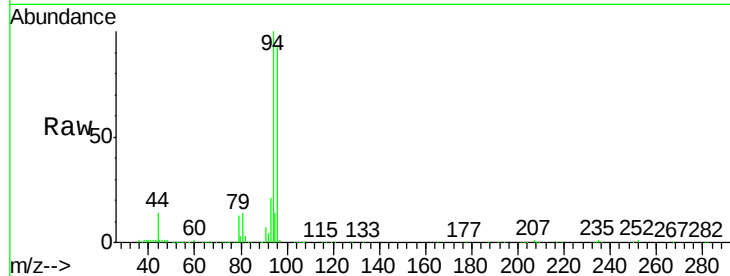
96 92.6 72.8 109.2

Manual Integrations

APPROVED

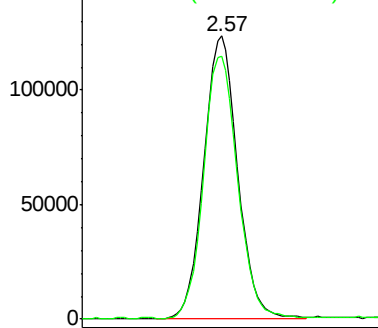
MMDadoda

6/18/2018 3:16:15 PM

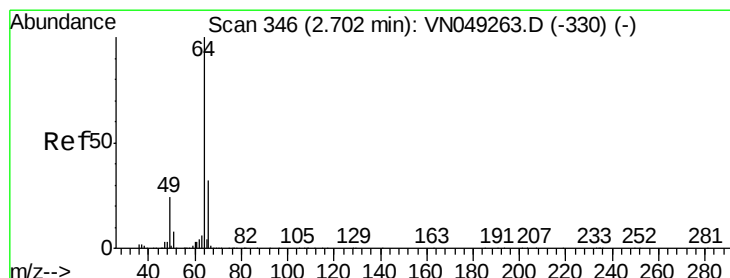
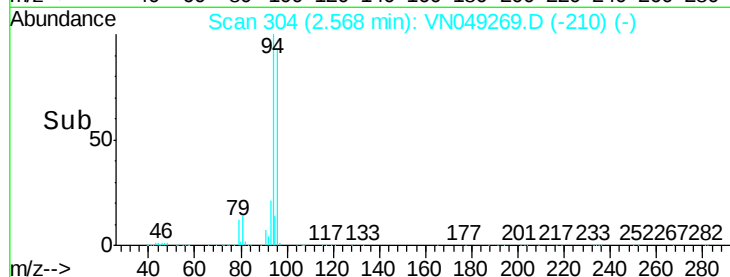


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 19.69 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049269.D

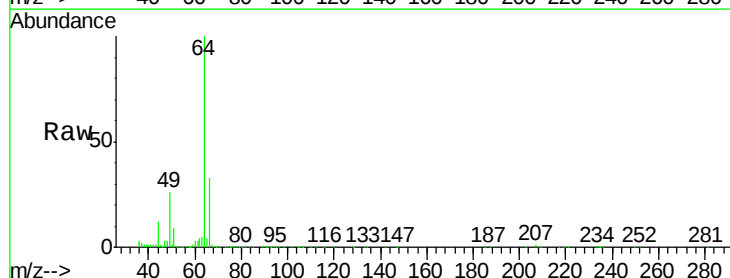
Acq: 15 Jun 2018 19:42

Tgt Ion: 64 Resp: 269041

Ion Ratio Lower Upper

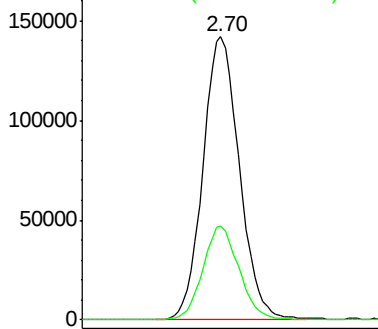
64 100

66 33.4 25.6 38.4

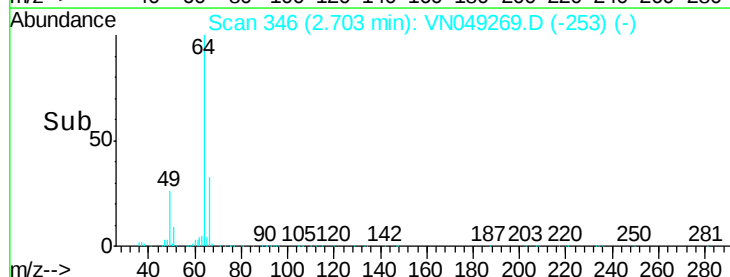


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

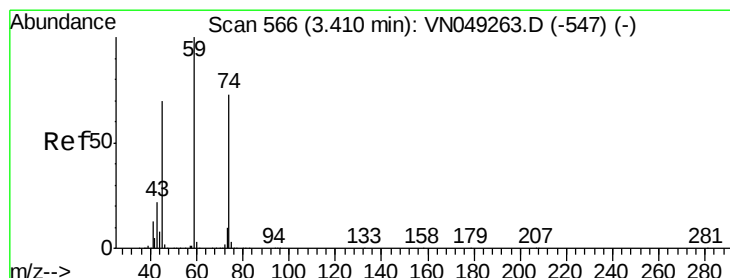
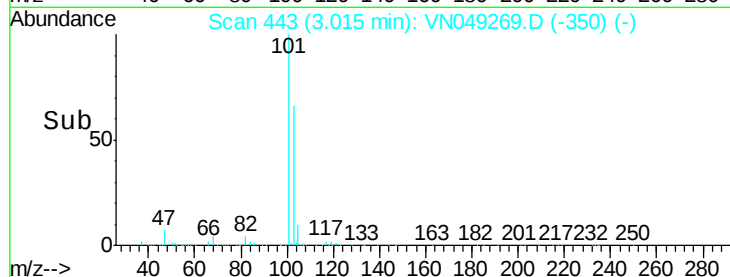
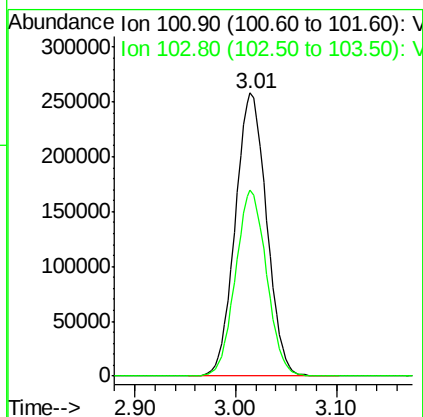
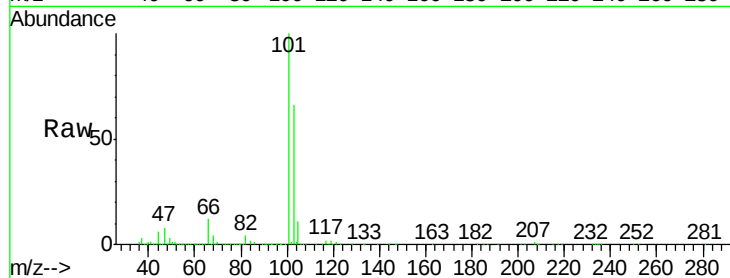
Trichlorofluoromethane  
Concen: 19.49 ug/l  
RT: 3.01 min Scan# 443  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 101     | 100  |       |       |       |
| 103     | 65.8 | 51.7  | 77.5  |       |

Manual Integrations  
APPROVED

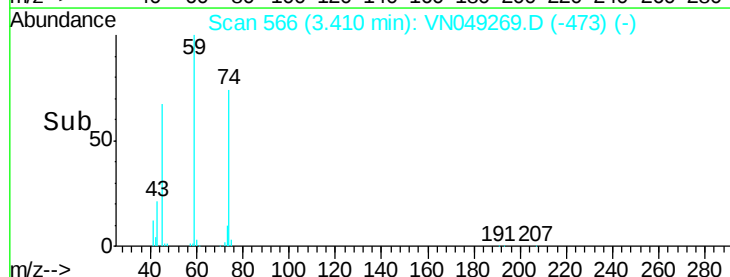
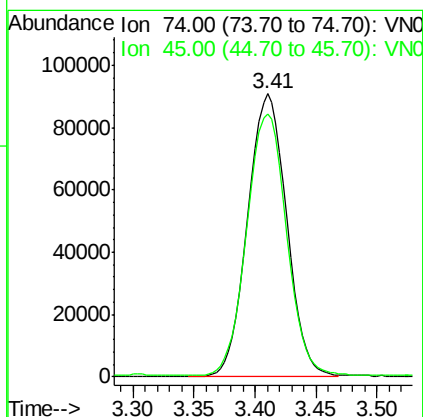
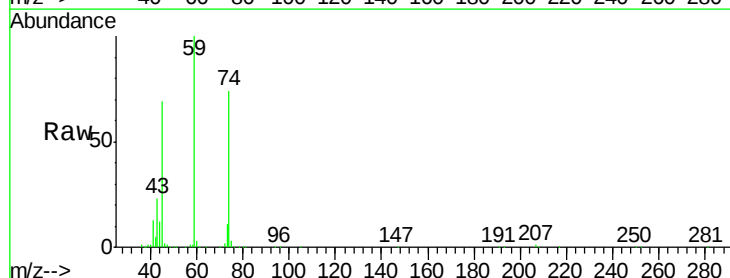
MMDadoda  
6/18/2018 3:16:15 PM



#8

Diethyl Ether  
Concen: 20.17 ug/l  
RT: 3.41 min Scan# 566  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 74      | 100  |       |       |       |
| 45      | 94.3 | 51.9  | 155.8 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.46 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

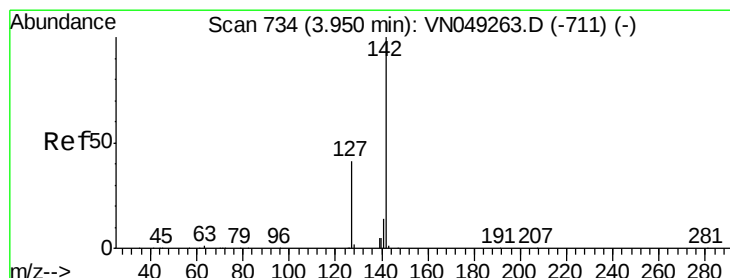
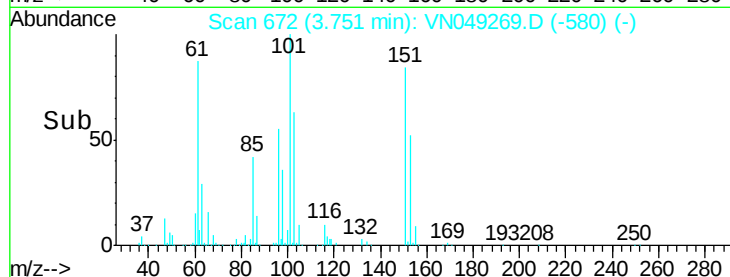
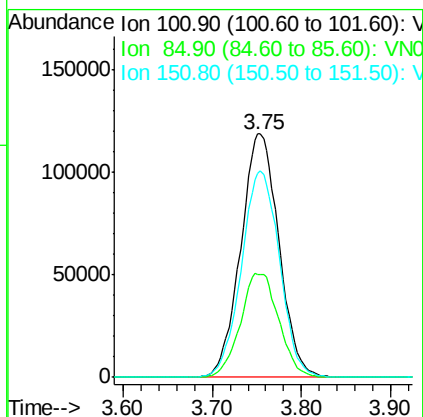
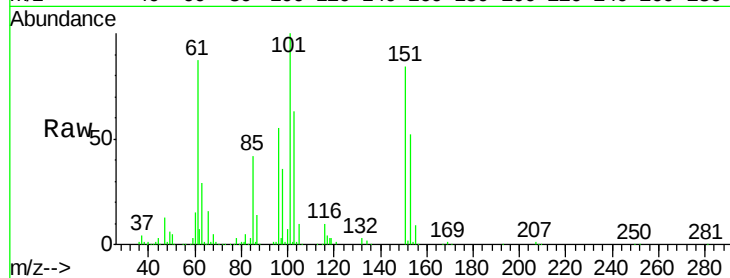
ClientSampleId :

VN0616WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 352933 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.8  | 37.6  | 56.4   |
| 151       | 84.9  | 61.1  | 91.7   |

Manual Integrations  
APPROVED

MMDadoda  
6/18/2018 3:16:15 PM



#10

Methyl Iodide

Concen: 17.33 ug/l

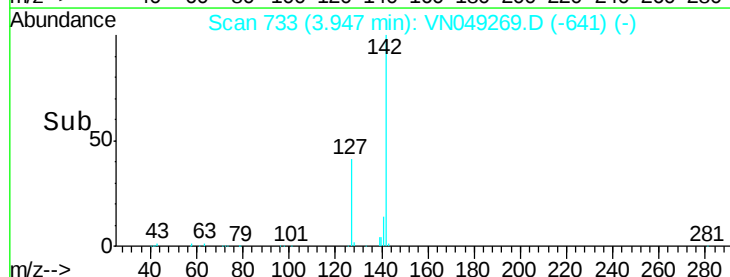
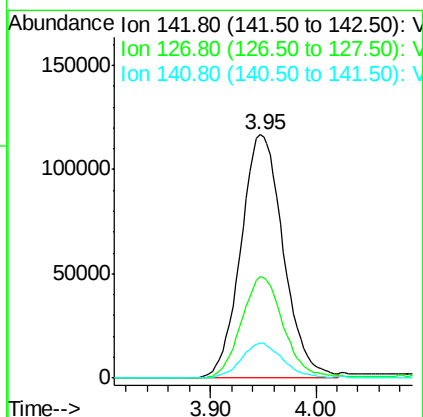
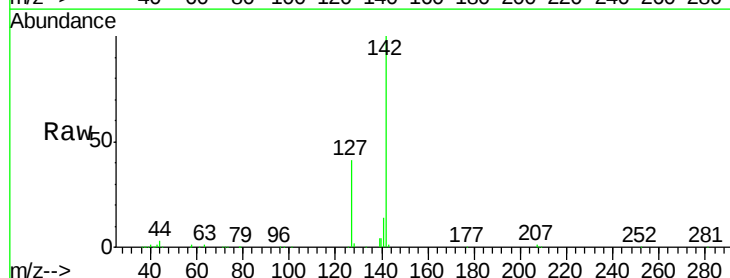
RT: 3.95 min Scan# 733

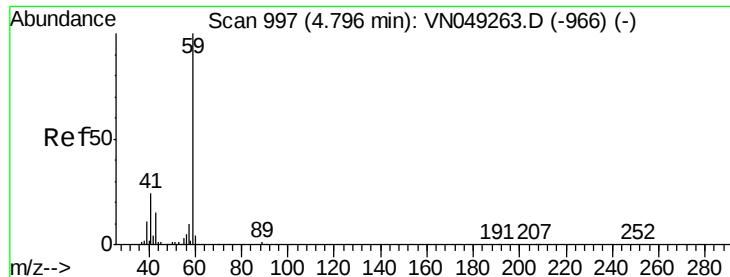
Delta R.T. -0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 327192 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.5  | 38.2  | 57.4   |
| 141       | 14.0  | 11.9  | 17.9   |





#11

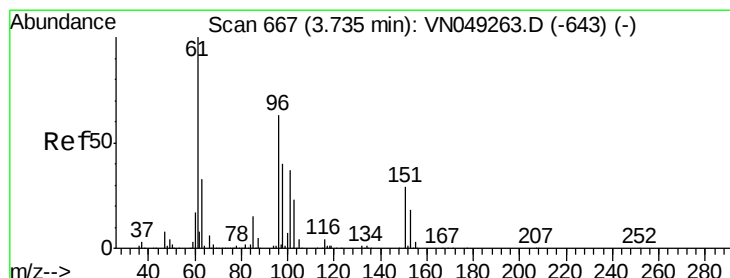
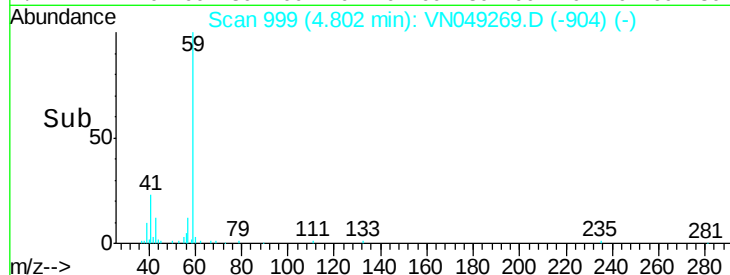
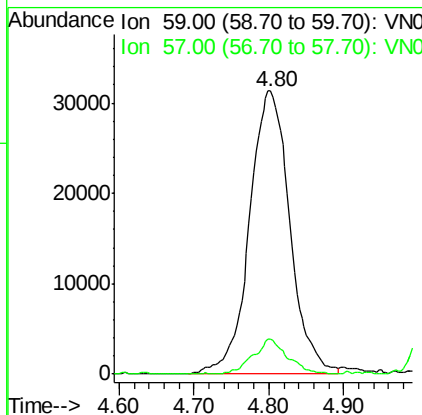
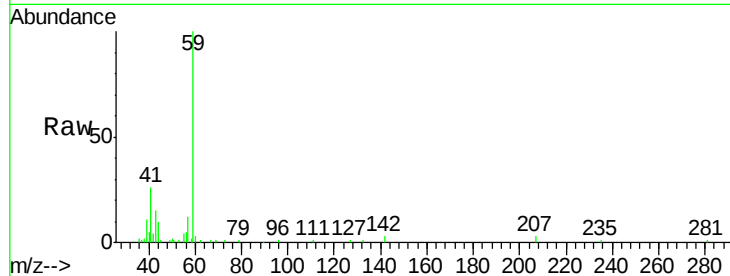
Tert butyl alcohol  
 Concen: 104.03 ug/l  
 RT: 4.80 min Scan# 999  
 Delta R.T. 0.01 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.6  | 9.0   | 13.6  |

Manual Integrations  
 APPROVED

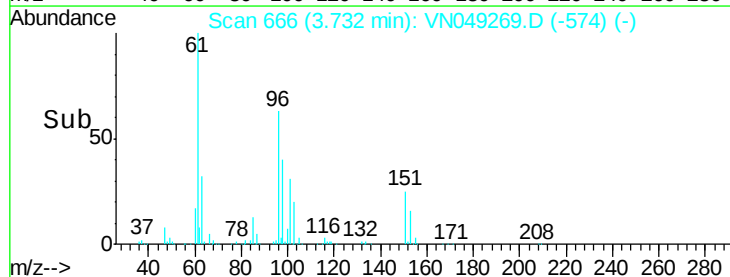
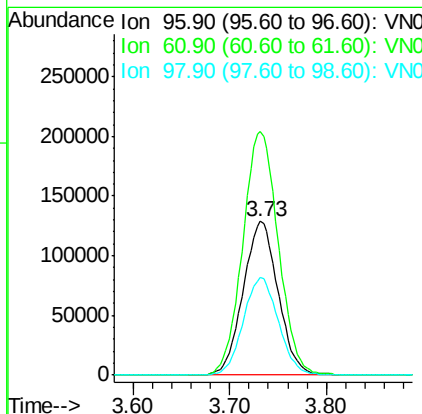
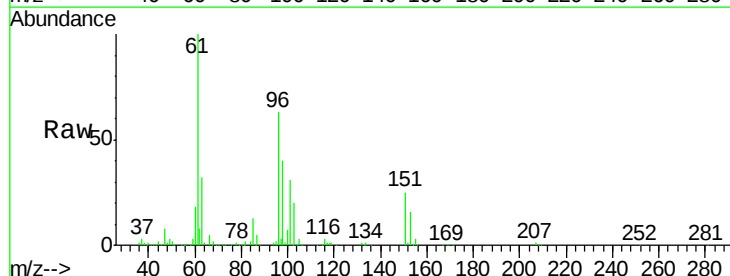
MMDadoda  
 6/18/2018 3:16:15 PM

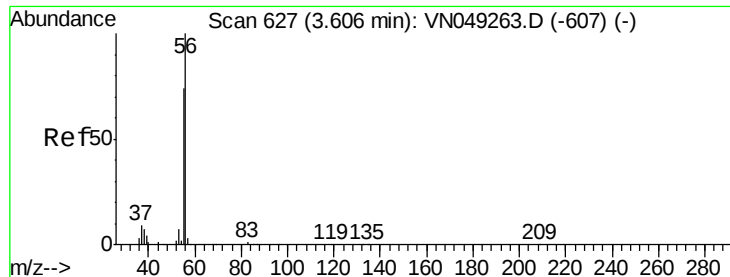


#12

1,1-Dichloroethene  
 Concen: 19.44 ug/l  
 RT: 3.73 min Scan# 666  
 Delta R.T. -0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 158.3 | 141.0 | 211.4 |
| 98      | 63.3  | 50.4  | 75.6  |





#13

Acrolein

Concen: 100.23 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBSD01

Tot Ion: 56 Resp: 118717

Ion Ratio Lower Upper

56 100

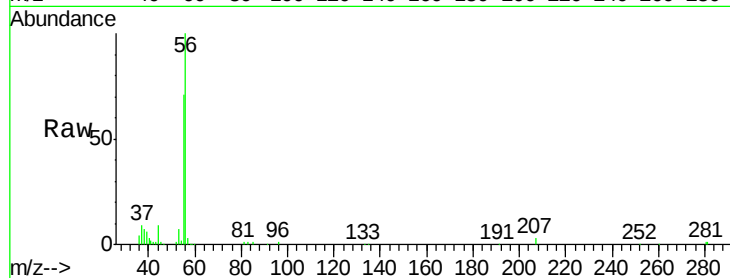
55 71.9 57.1 85.7

Manual Integrations

APPROVED

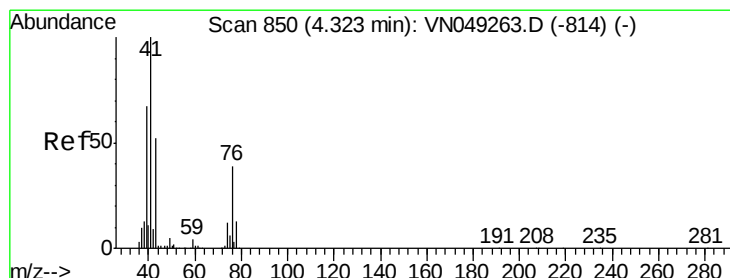
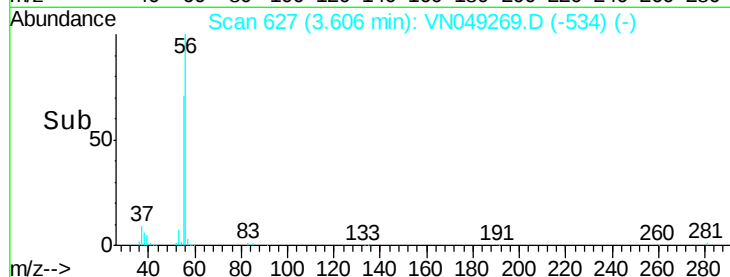
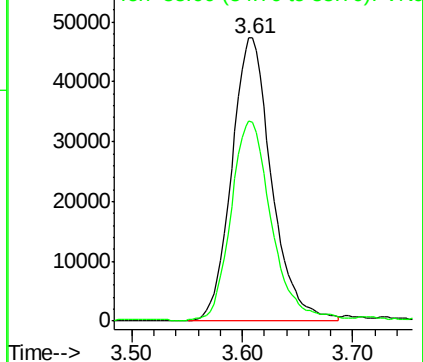
MMDadoda

6/18/2018 3:16:15 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.08 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

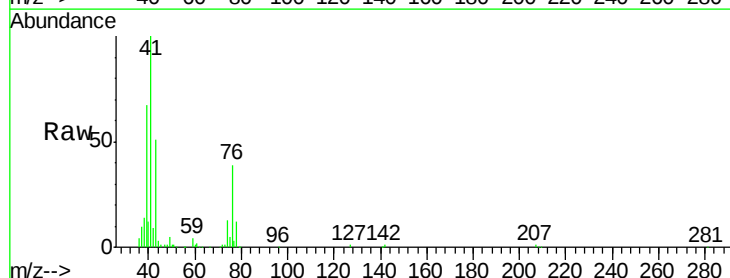
Tgt Ion: 41 Resp: 527551

Ion Ratio Lower Upper

41 100

39 65.9 62.5 93.7

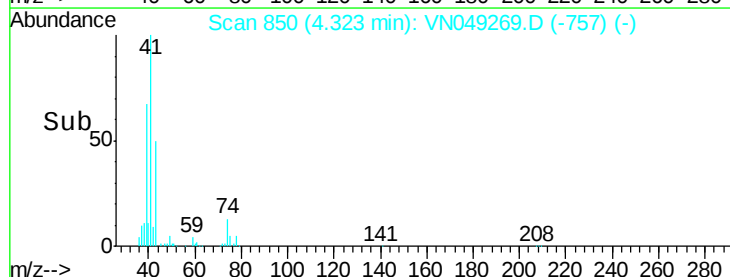
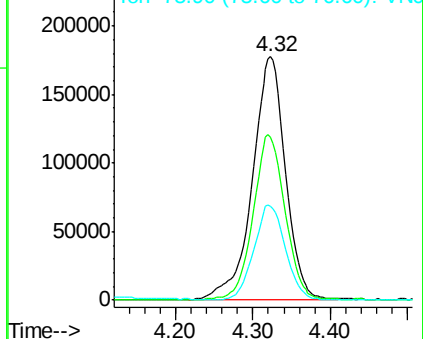
76 36.5 27.1 40.7

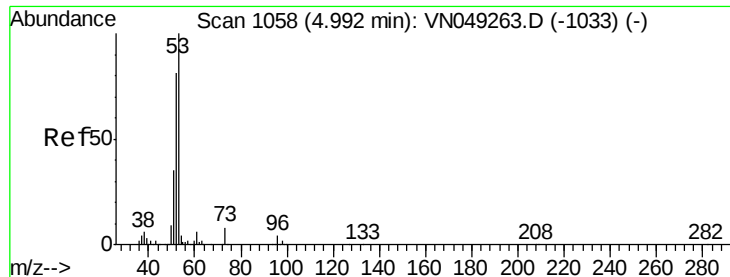


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





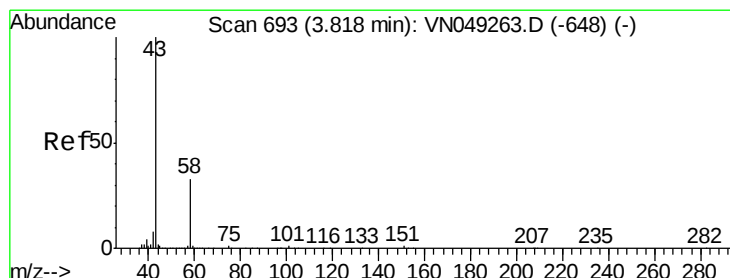
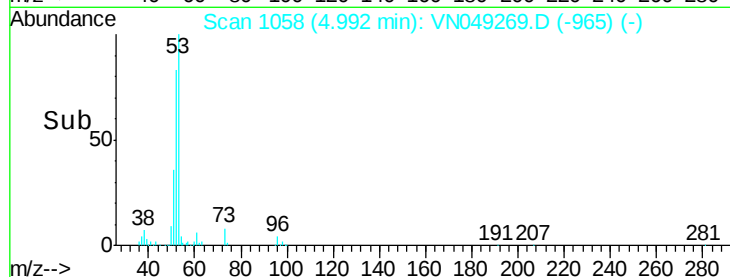
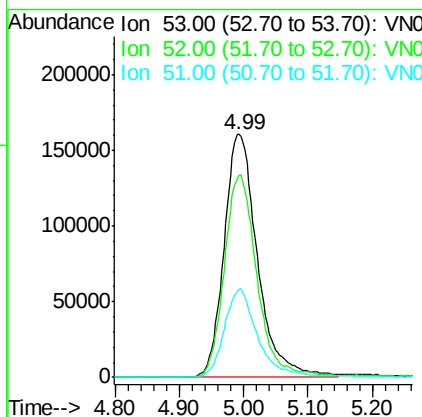
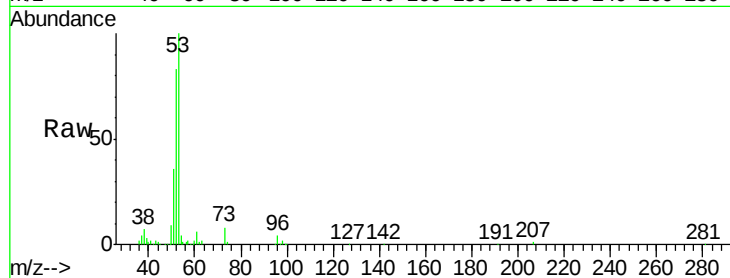
#15  
 Acrylonitrile  
 Concen: 102.41 ug/l  
 RT: 4.99 min Scan# 1058  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 80.3  | 66.6  | 100.0 |
| 51      | 35.6  | 29.8  | 44.8  |

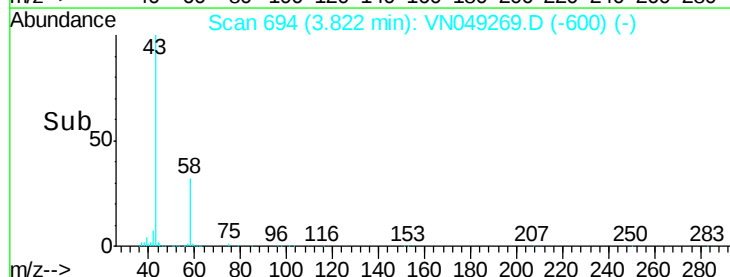
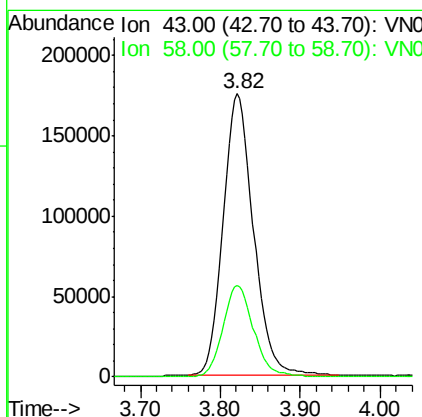
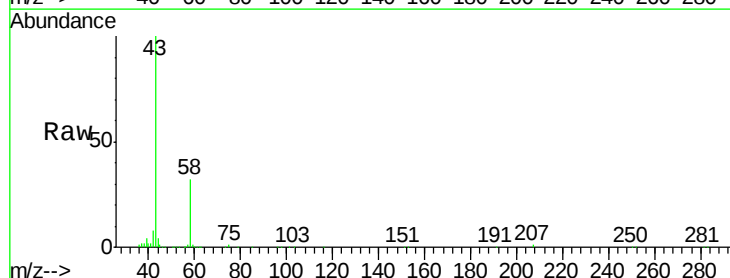
Manual Integrations  
 APPROVED

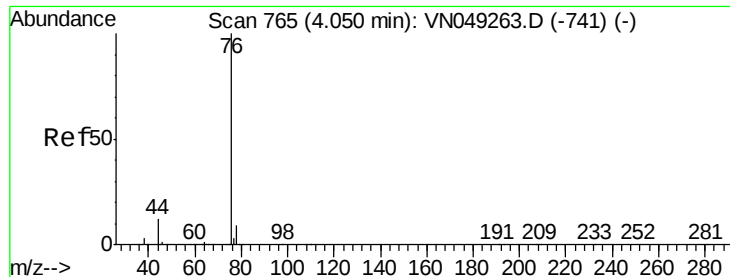
MMDadoda  
 6/18/2018 3:16:15 PM



#16  
 Acetone  
 Concen: 97.12 ug/l  
 RT: 3.82 min Scan# 694  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 32.2  | 22.4  | 33.6  |





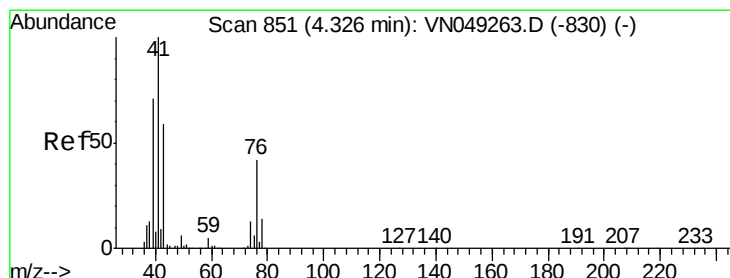
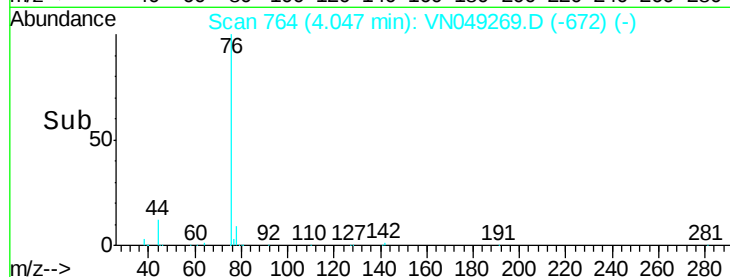
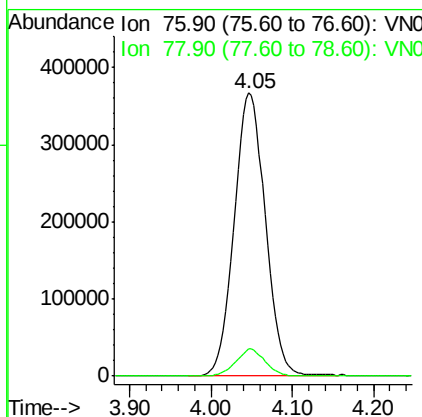
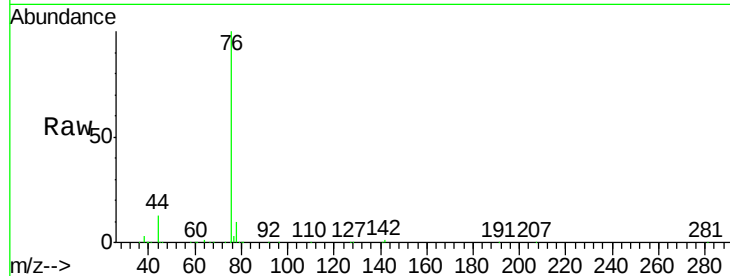
#17  
Carbon Disulfide  
Concen: 18.71 ug/l  
RT: 4.05 min Scan# 764  
Delta R.T. -0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.6   | 7.4   | 11.0  |

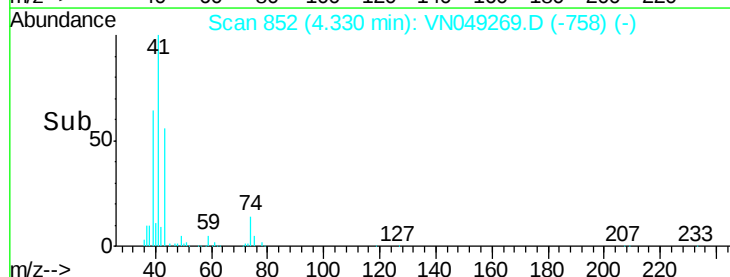
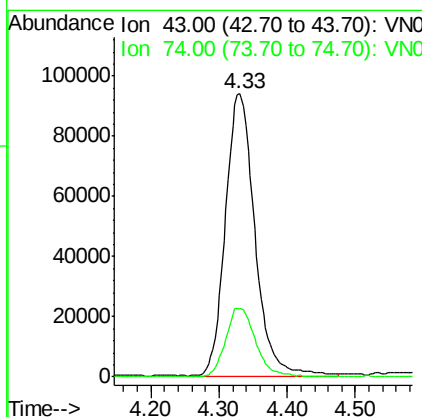
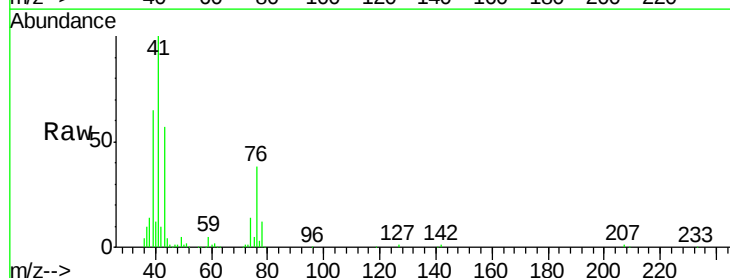
Manual Integrations  
APPROVED

MMDadoda  
6/18/2018 3:16:15 PM



#18  
Methyl Acetate  
Concen: 19.72 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.8  | 17.4  | 26.0  |





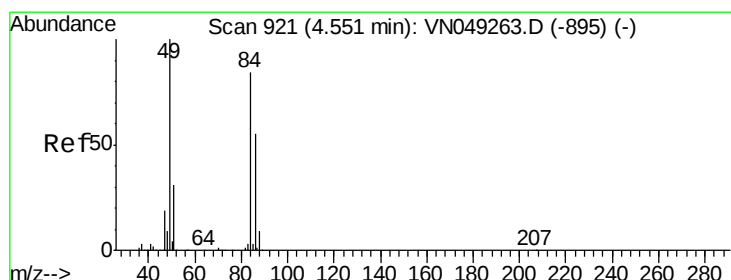
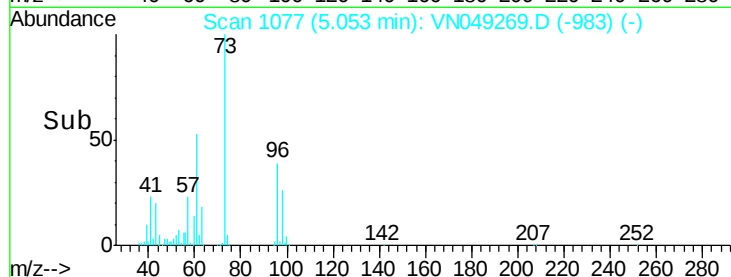
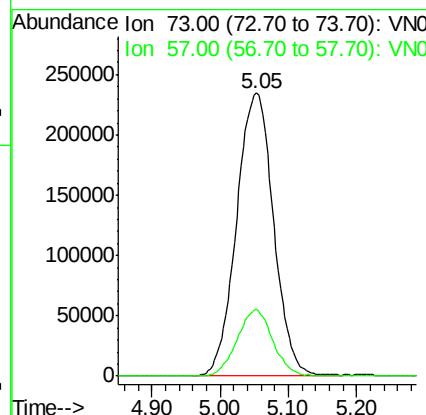
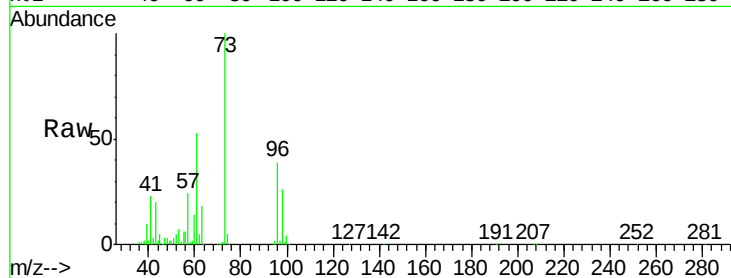
#19  
Methvl tert-butvl Ether  
Concen: 20.79 ug/l  
RT: 5.05 min Scan# 1077  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

Tot Ion: 73 Resp: 881763  
Ion Ratio Lower Upper  
73 100  
57 23.5 18.2 27.4

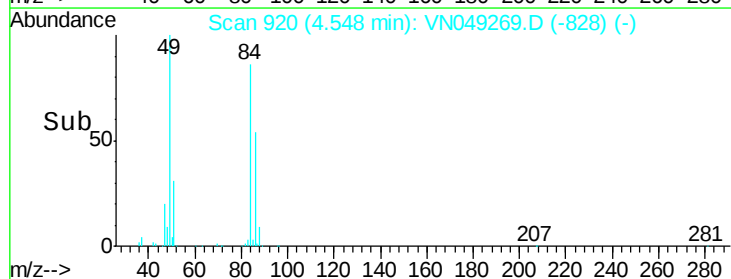
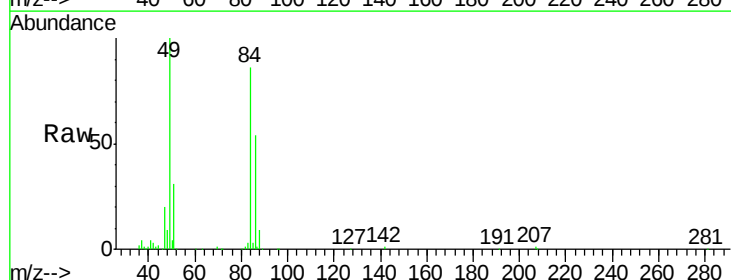
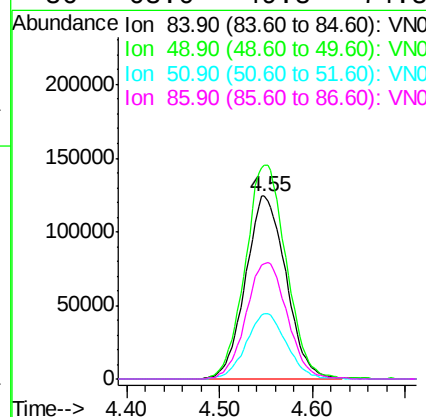
Manual Integrations  
APPROVED

MMDadoda  
6/18/2018 3:16:15 PM



#20  
Methylene Chloride  
Concen: 19.28 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Tgt Ion: 84 Resp: 376170  
Ion Ratio Lower Upper  
84 100  
49 116.7 106.9 160.3  
51 35.6 32.7 49.1  
86 63.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.43 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

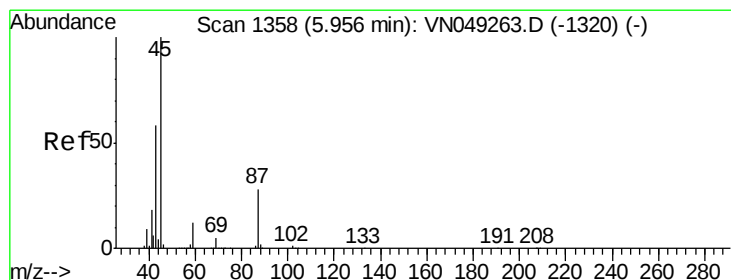
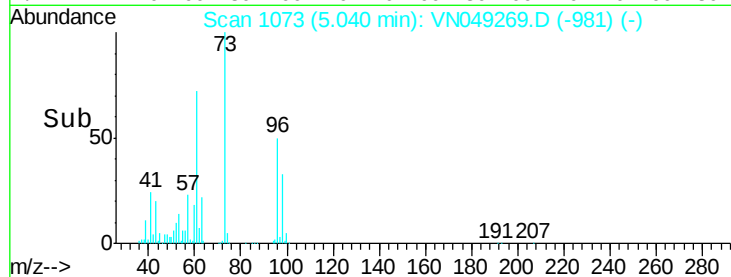
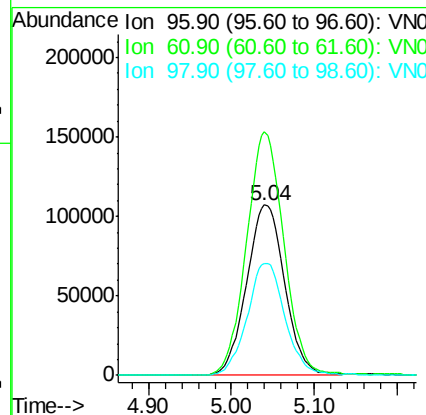
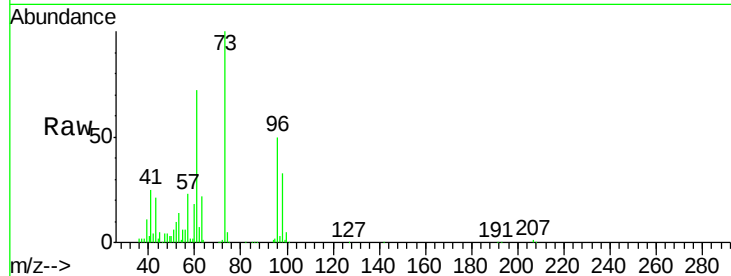
ClientSampleId :

VN0616WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 342139 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 143.2 | 121.3 | 181.9  |
| 98       | 65.6  | 52.0  | 78.0   |

Manual Integrations  
APPROVED

MMDadoda  
6/18/2018 3:16:15 PM



#22

Diisopropyl ether

Concen: 20.95 ug/l

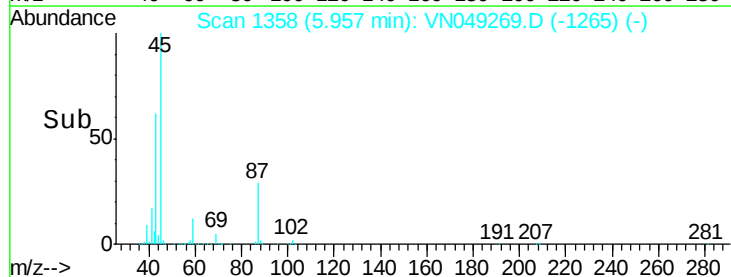
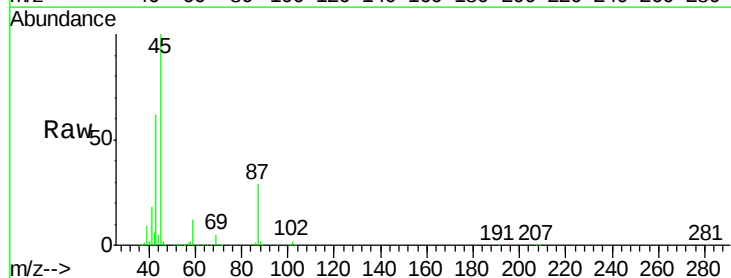
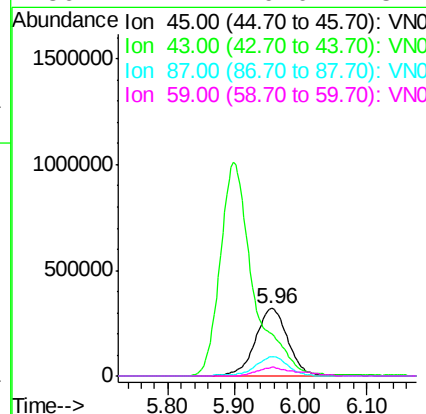
RT: 5.96 min Scan# 1358

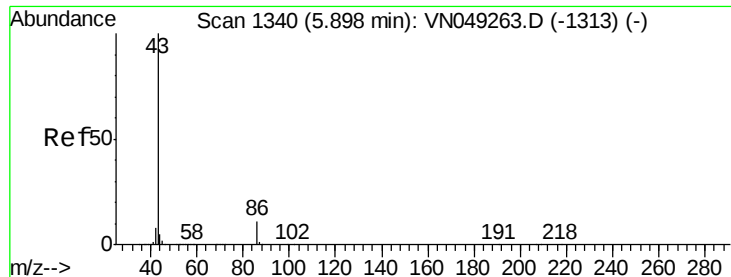
Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 45    | Resp: | 1098903 |
| Ion      | Ratio | Lower | Upper   |
| 45       | 100   |       |         |
| 43       | 60.6  | 48.6  | 72.8    |
| 87       | 28.5  | 20.2  | 30.2    |
| 59       | 12.2  | 9.0   | 13.4    |





#23

Vinyl Acetate

Concen: 102.80 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBSD01

Tot Ion: 43 Resp: 3515040

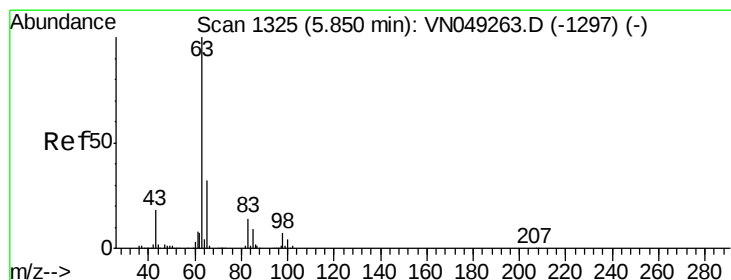
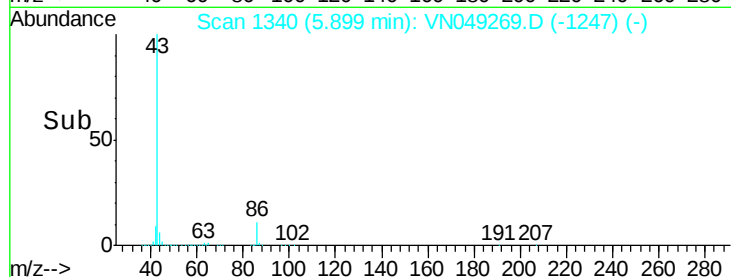
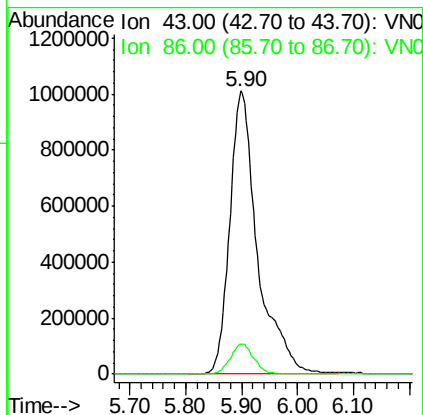
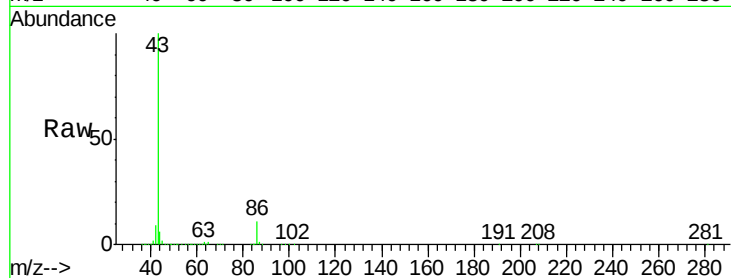
Ion Ratio Lower Upper

43 100

86 10.8 7.2 10.8

Manual Integrations  
APPROVED

MMDadoda  
6/18/2018 3:16:15 PM



#24

1,1-Dichloroethane

Concen: 20.01 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

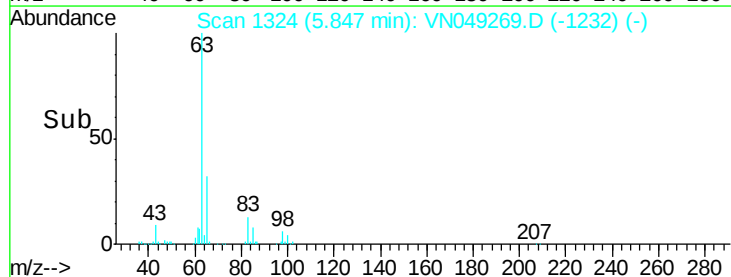
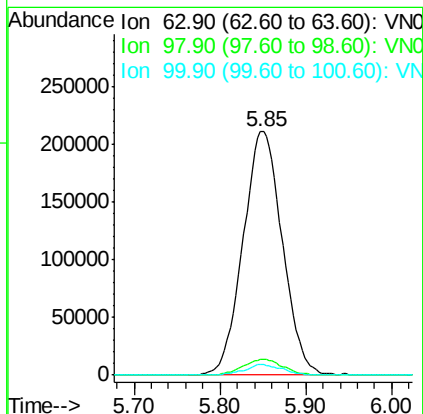
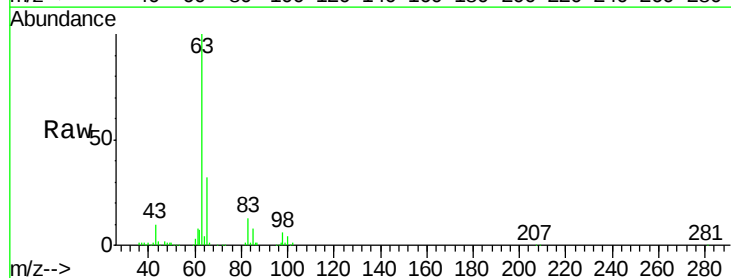
Tgt Ion: 63 Resp: 671837

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.4 2.1 6.3





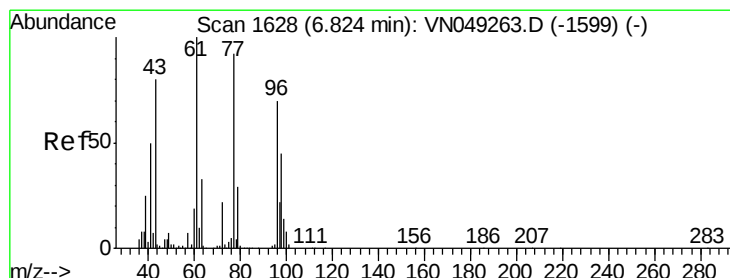
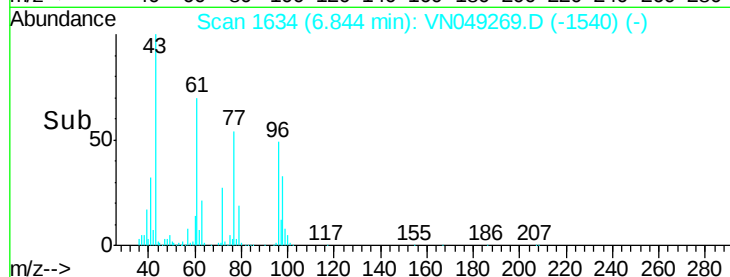
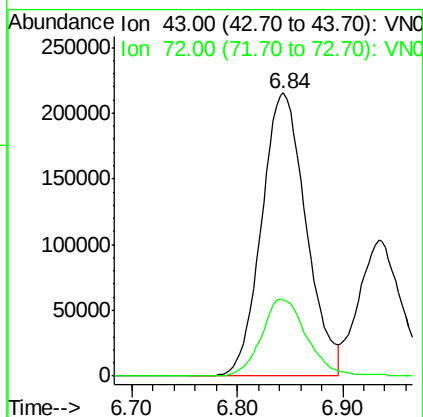
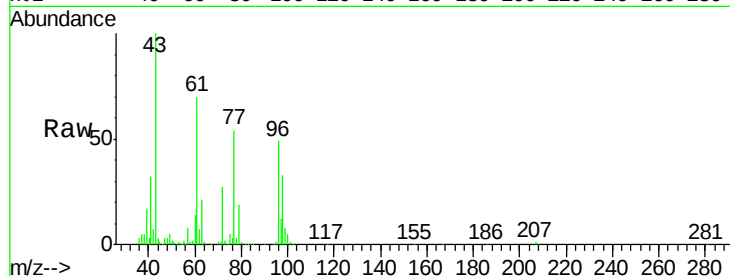
#25  
2-Butanone  
Concen: 99.88 ug/l  
RT: 6.84 min Scan# 1634  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

Tot Ion: 43 Resp: 626584  
Ion Ratio Lower Upper  
43 100  
72 27.1 20.2 30.2

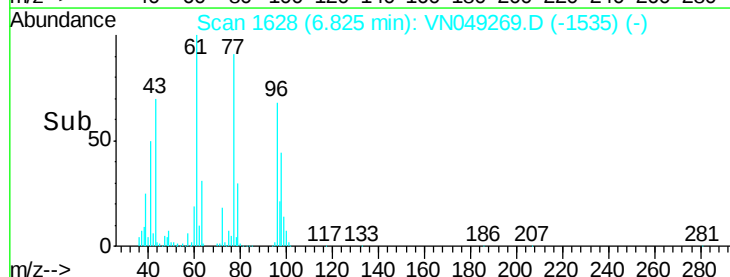
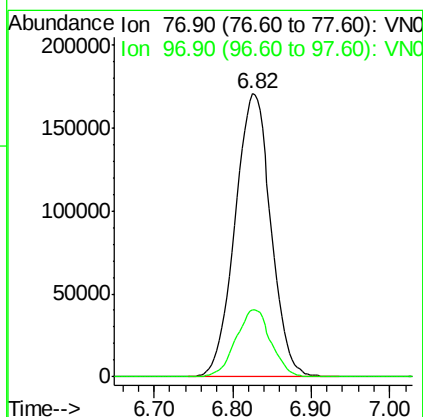
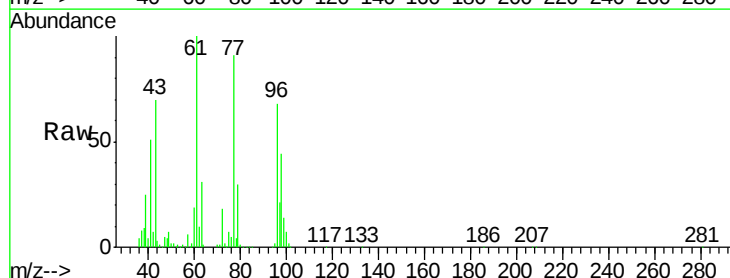
Manual Integrations  
APPROVED

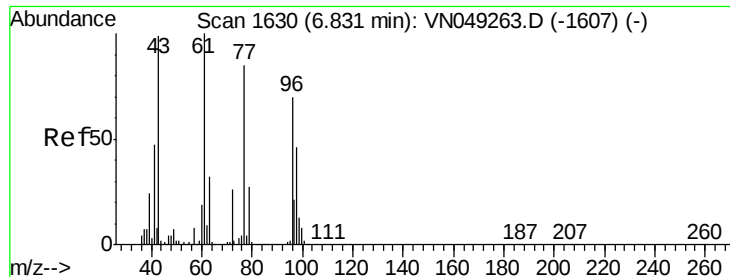
MMDadoda  
6/18/2018 3:16:15 PM



#26  
2,2-Dichloropropane  
Concen: 20.12 ug/l  
RT: 6.82 min Scan# 1628  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Tgt Ion: 77 Resp: 545617  
Ion Ratio Lower Upper  
77 100  
97 23.3 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.98 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

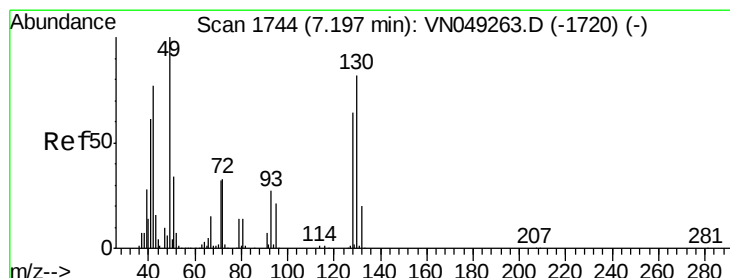
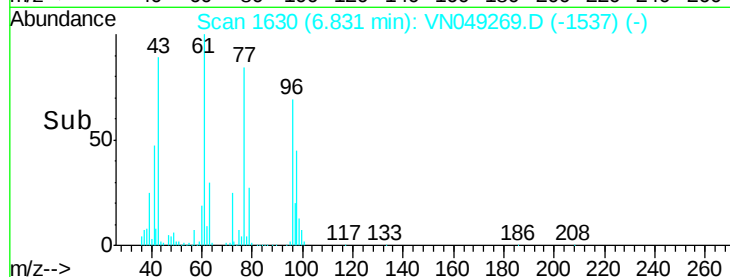
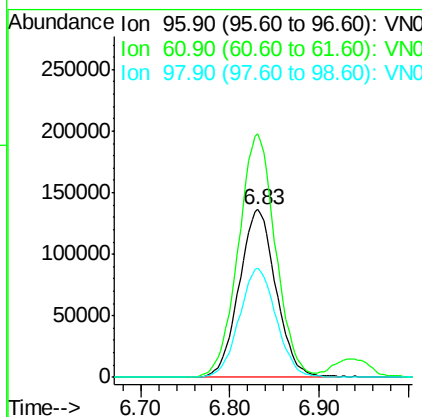
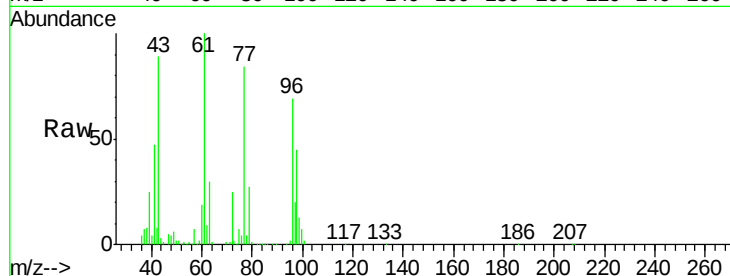
ClientSampleId :

VN0616WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 391152 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 146.3 | 0.0   | 316.4  |
| 98        | 65.2  | 0.0   | 128.4  |

Manual Integrations  
APPROVED

MMDadoda  
6/18/2018 3:16:15 PM



#28

Bromochloromethane

Concen: 20.48 ug/l

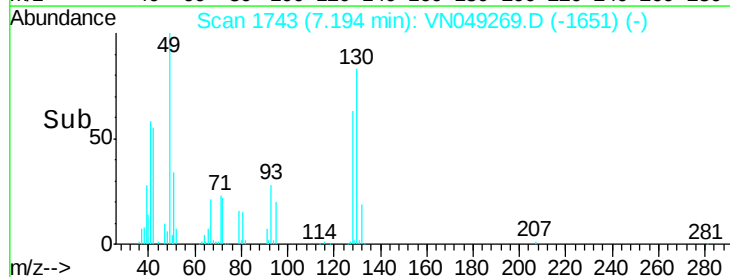
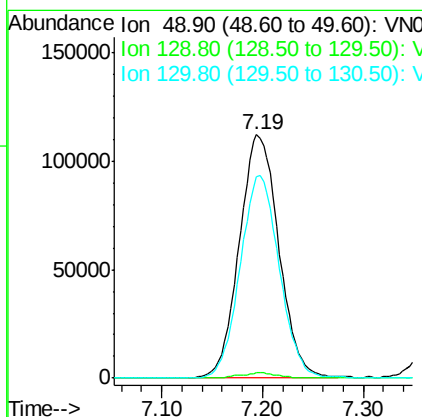
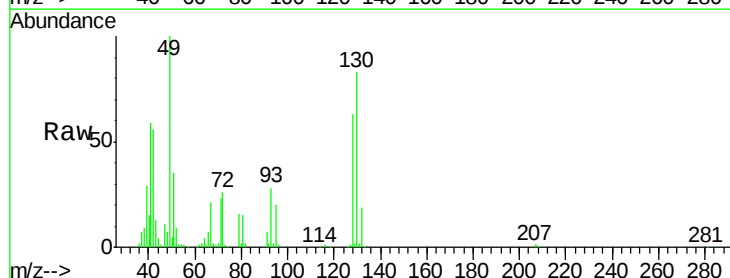
RT: 7.19 min Scan# 1743

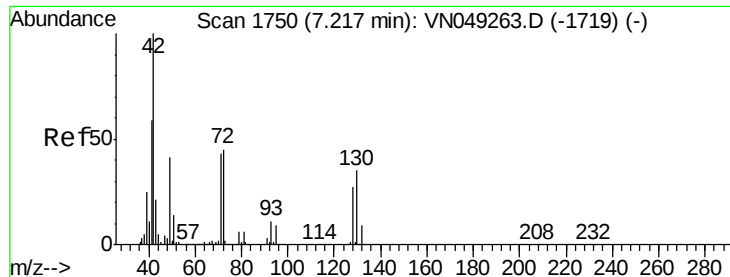
Delta R.T. -0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 304813 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 2.1   | 0.0   | 3.8    |
| 130       | 82.4  | 54.9  | 82.3#  |





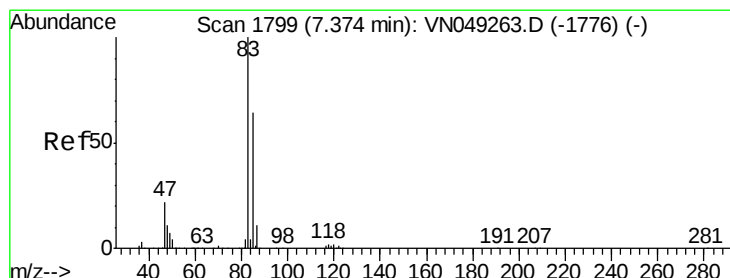
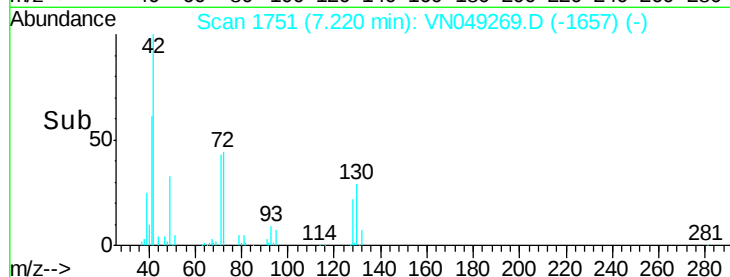
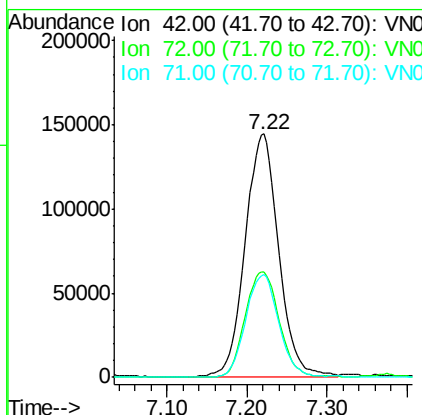
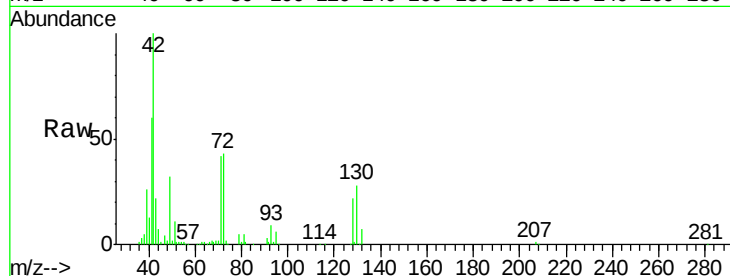
#29  
Tetrahydrofuran  
Concen: 101.69 ug/l  
RT: 7.22 min Scan# 1751  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.7  | 32.2  | 48.4  |
| 71      | 41.8  | 30.5  | 45.7  |

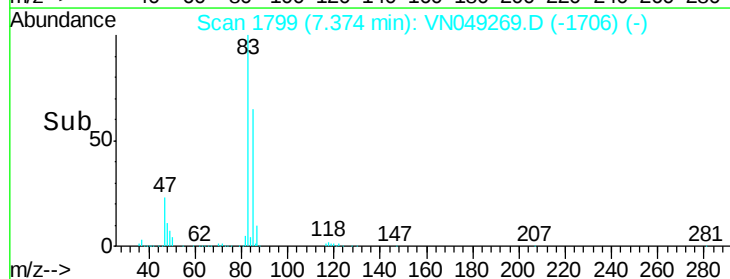
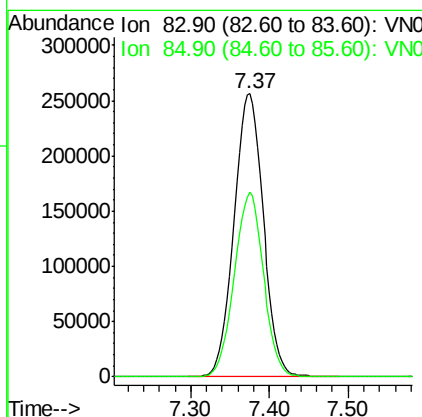
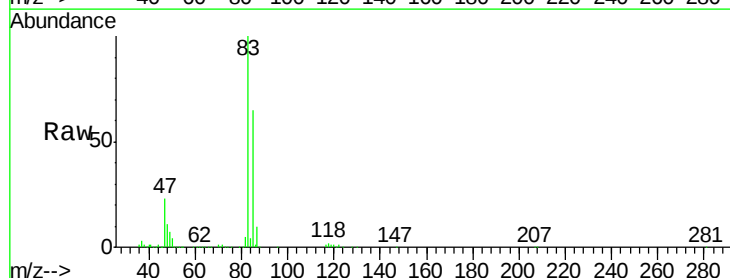
Manual Integrations  
APPROVED

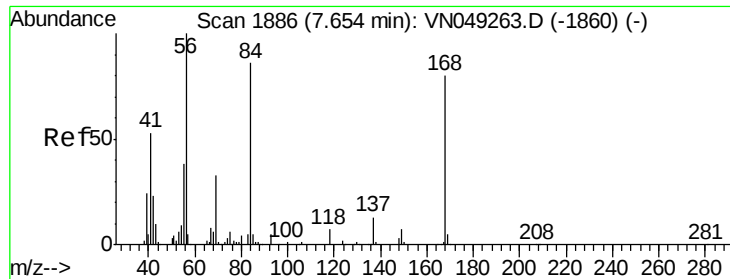
MMDadoda  
6/18/2018 3:16:15 PM



#30  
Chloroform  
Concen: 20.02 ug/l  
RT: 7.37 min Scan# 1799  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.2  | 51.7  | 77.5  |





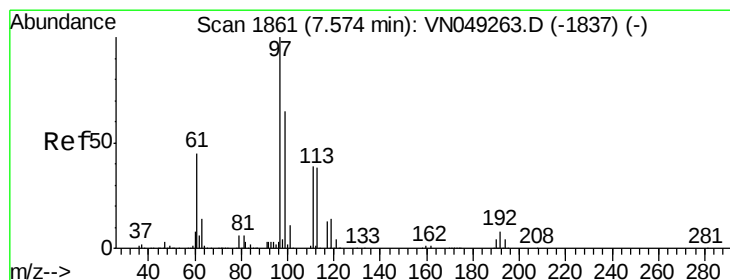
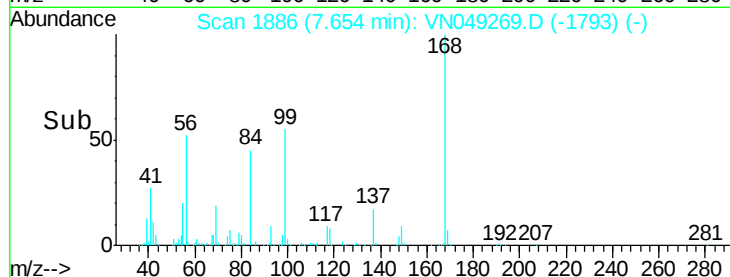
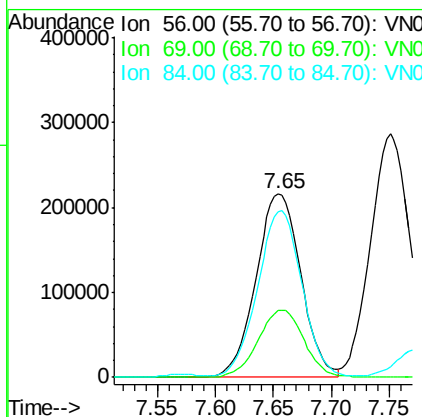
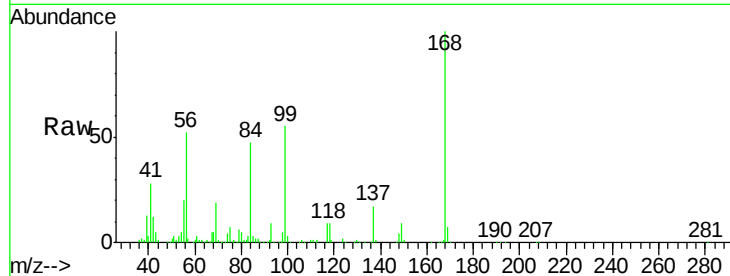
#31  
Cvclohexane  
Concen: 20.36 ug/l  
RT: 7.65 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 36.2  | 25.0  | 37.4  |
| 84      | 88.8  | 64.6  | 96.8  |

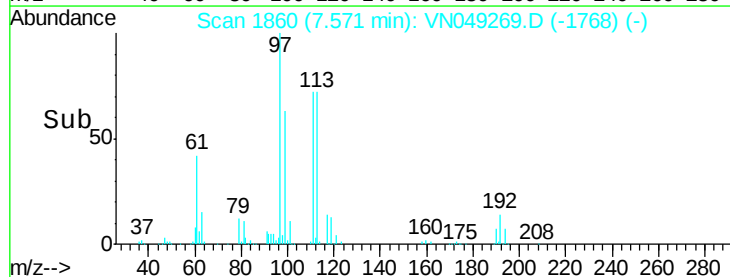
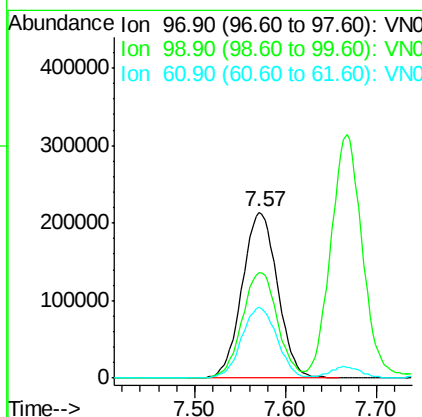
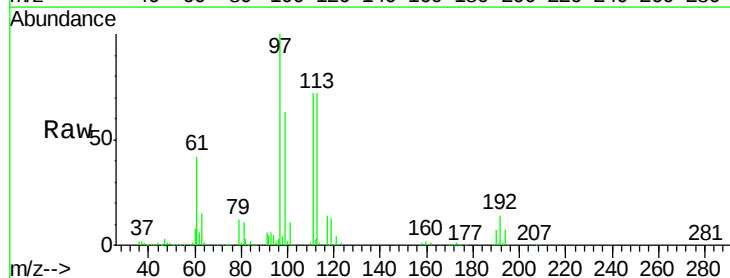
Manual Integrations  
APPROVED

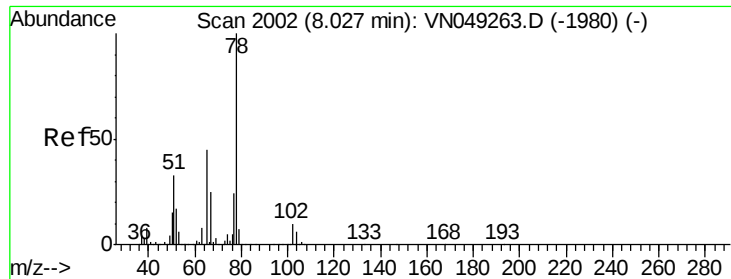
MMDadoda  
6/18/2018 3:16:15 PM



#32  
1,1,1-Trichloroethane  
Concen: 20.28 ug/l  
RT: 7.57 min Scan# 1860  
Delta R.T. -0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.6  | 50.5  | 75.7  |
| 61      | 42.5  | 37.9  | 56.9  |





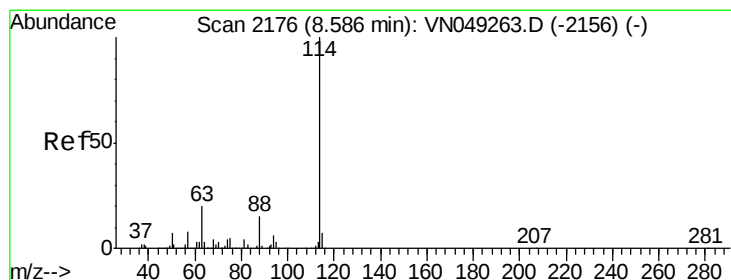
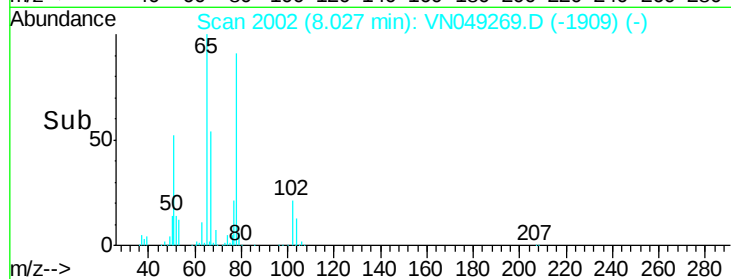
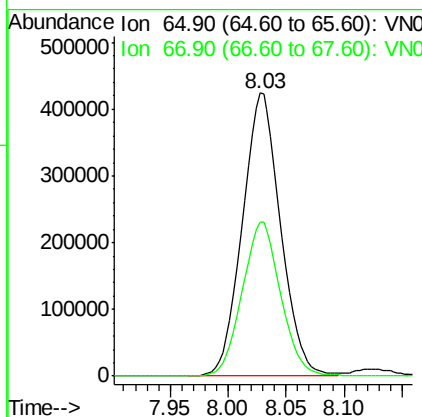
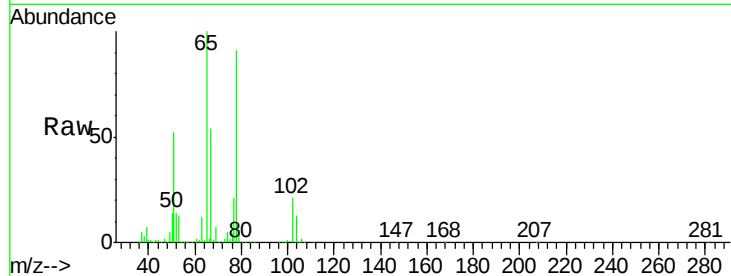
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.60 ug/l  
 RT: 8.03 min Scan# 2002  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 54.7  | 0.0  | 103.8 |       |

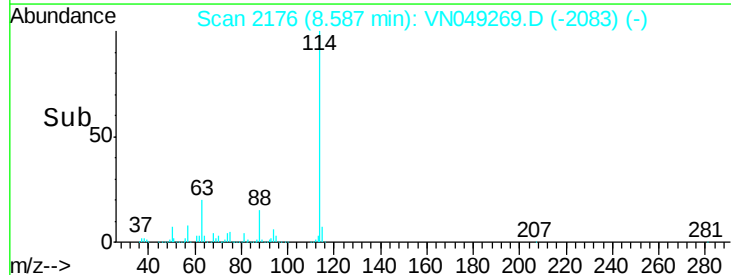
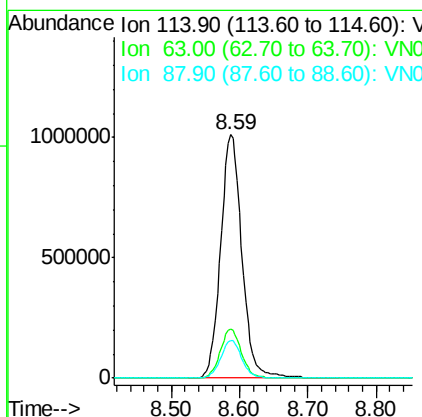
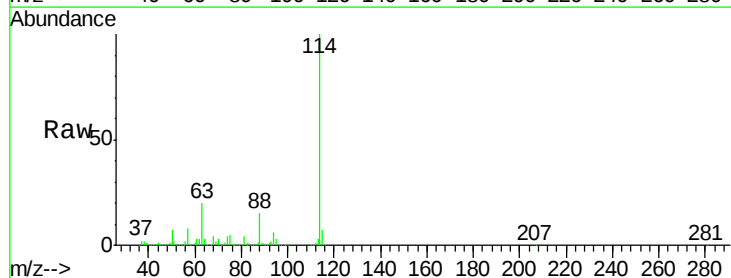
Manual Integrations  
 APPROVED

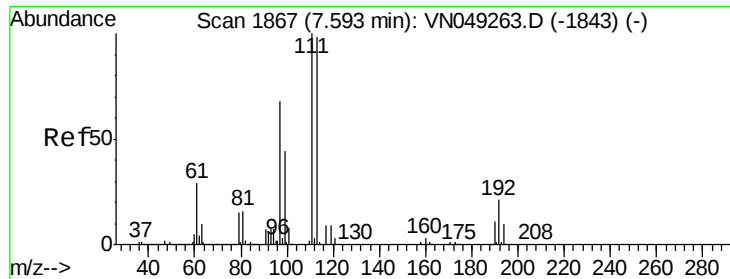
MMDadoda  
 6/18/2018 3:16:15 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 20.0  | 0.0  | 44.4  |       |
| 88      | 15.3  | 0.0  | 31.4  |       |





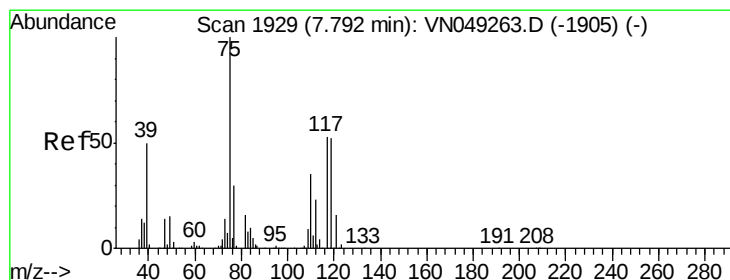
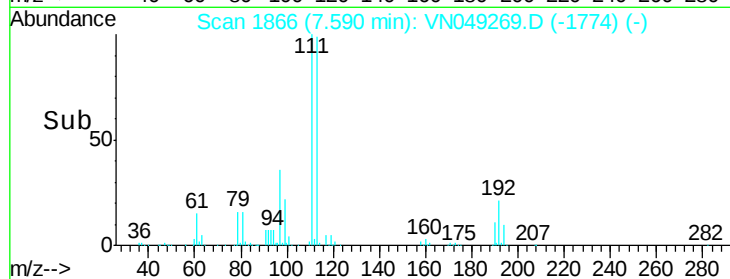
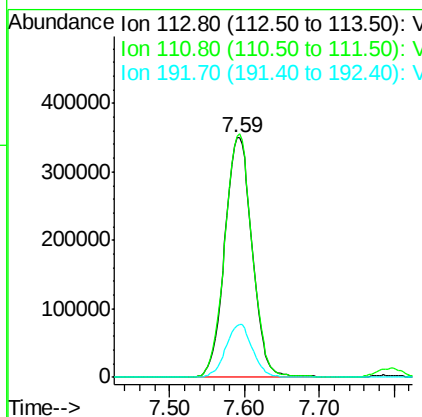
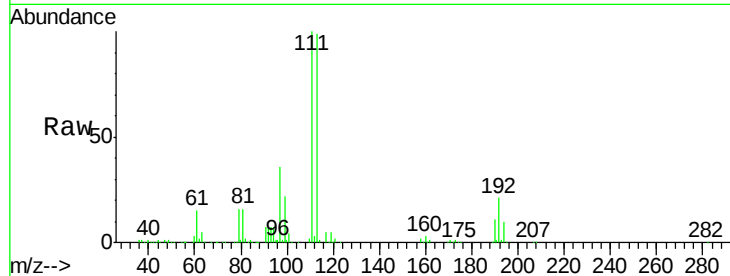
#35  
 Dibromofluoromethane  
 Concen: 50.22 ug/l  
 RT: 7.59 min Scan# 1866  
 Delta R.T. -0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 890537 |       |       |
| 111     | 100.9 | 82.4   | 123.6 |       |
| 192     | 21.5  | 15.0   | 22.6  |       |

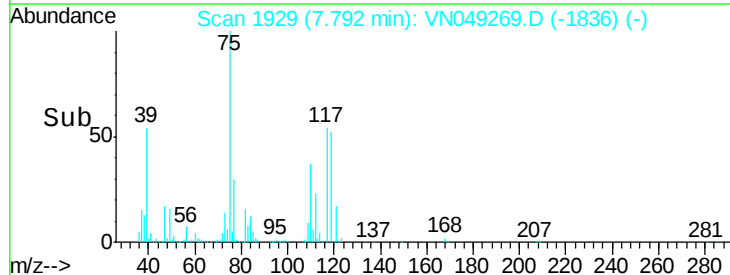
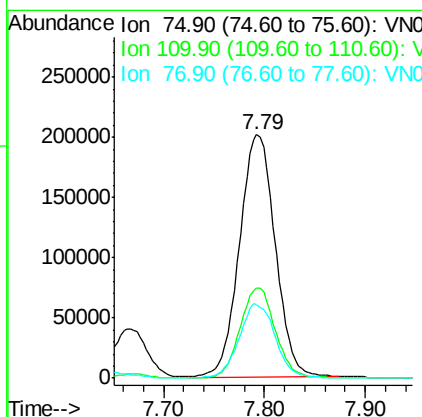
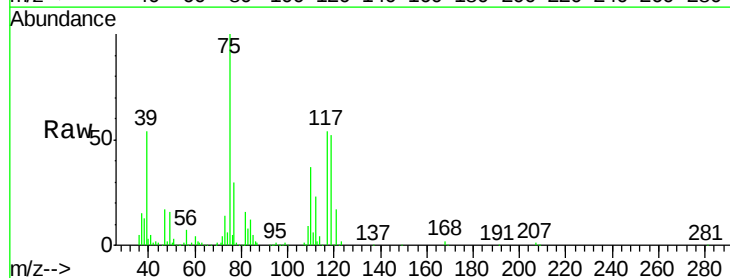
Manual Integrations  
 APPROVED

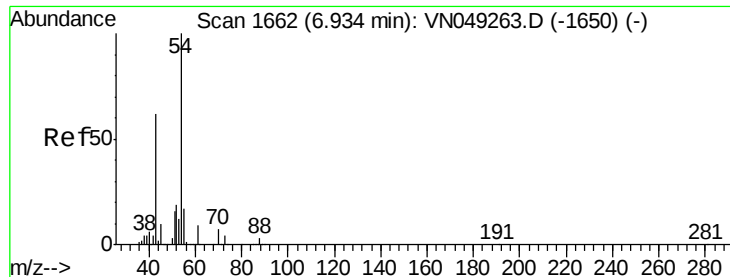
MMDadoda  
 6/18/2018 3:16:15 PM



#36  
 1,1-Dichloropropene  
 Concen: 19.70 ug/l  
 RT: 7.79 min Scan# 1929  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 495009 |       |       |
| 110     | 36.8  | 17.0   | 50.9  |       |
| 77      | 30.9  | 24.4   | 36.6  |       |





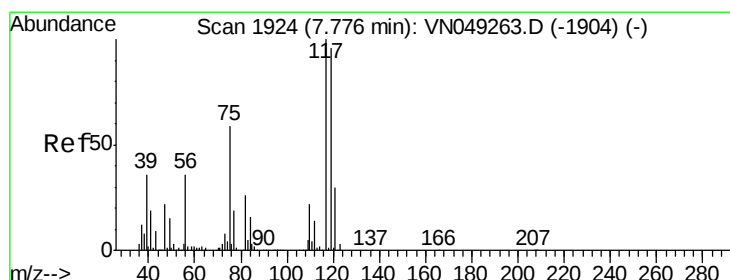
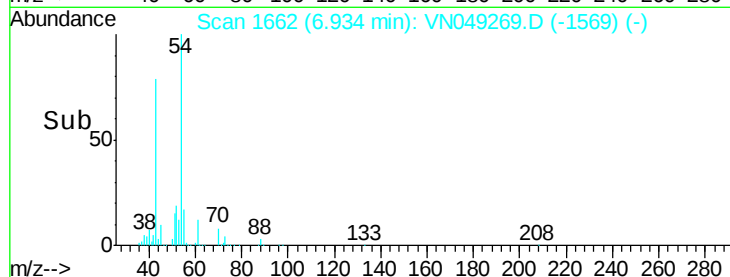
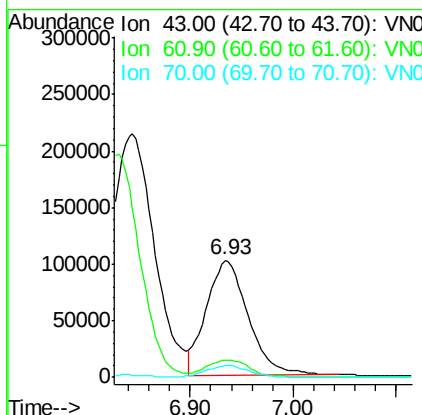
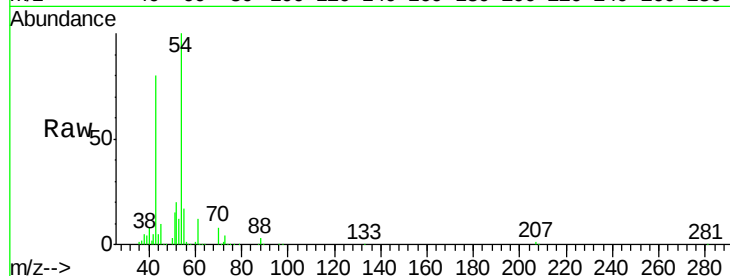
#37  
Ethyl Acetate  
Concen: 21.12 ug/l  
RT: 6.93 min Scan# 1662  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.5  | 11.0  | 16.4  |
| 70      | 9.4   | 7.2   | 10.8  |

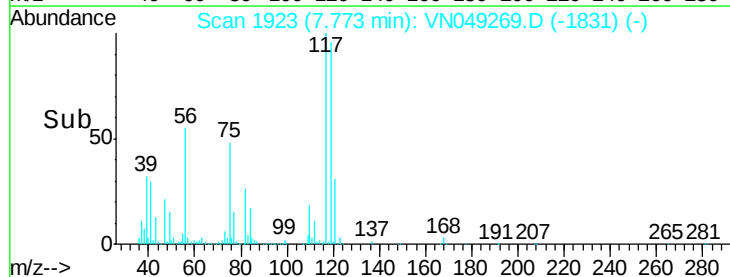
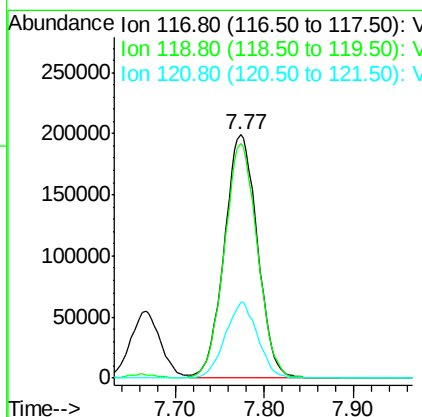
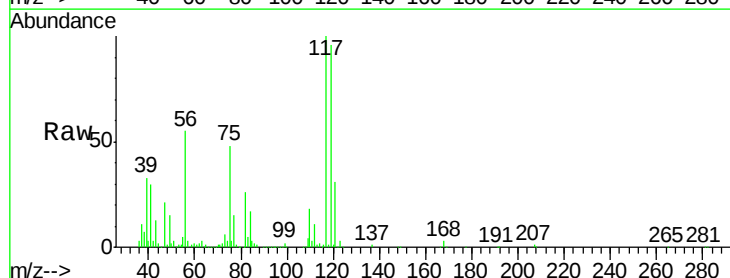
Manual Integrations  
APPROVED

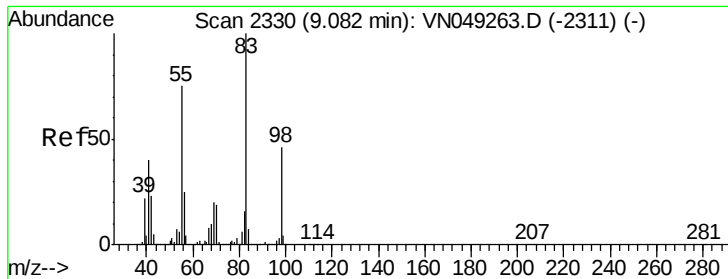
MMDadoda  
6/18/2018 3:16:15 PM



#38  
Carbon Tetrachloride  
Concen: 19.68 ug/l  
RT: 7.77 min Scan# 1923  
Delta R.T. -0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 75.6  | 113.4 |
| 121     | 31.0  | 24.7  | 37.1  |





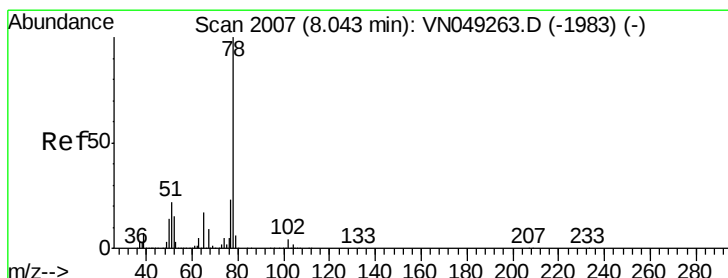
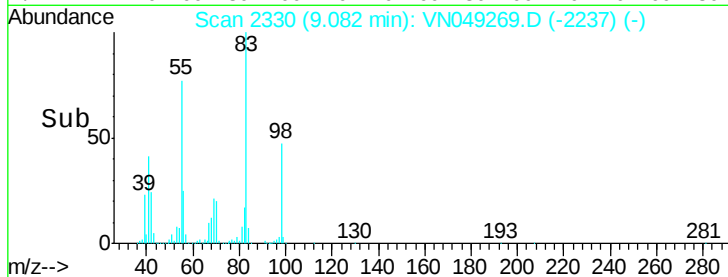
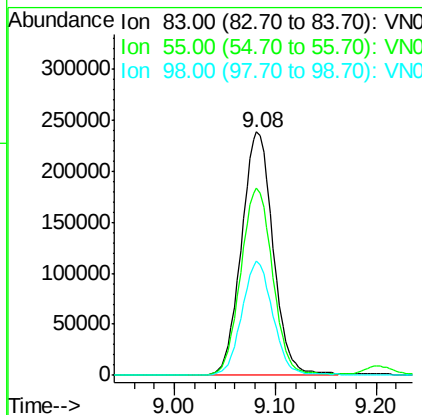
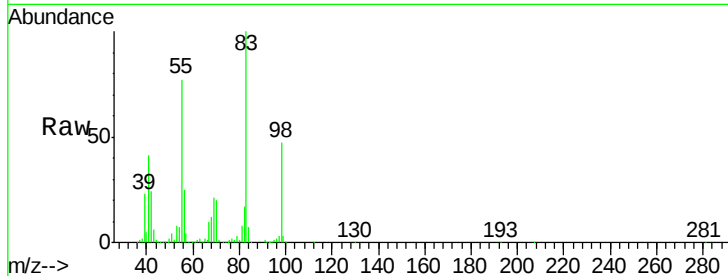
#39  
Methylvlcyclohexane  
Concen: 19.23 ug/l  
RT: 9.08 min Scan# 2330  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 76.7  | 65.1  | 97.7  |
| 98      | 46.7  | 36.5  | 54.7  |

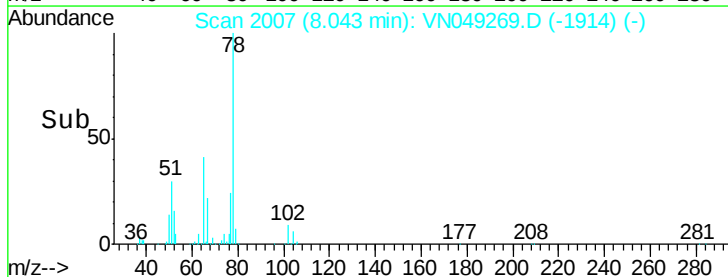
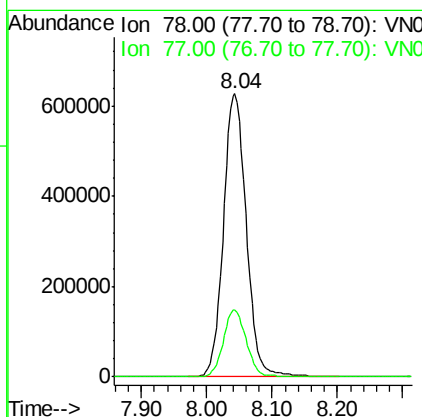
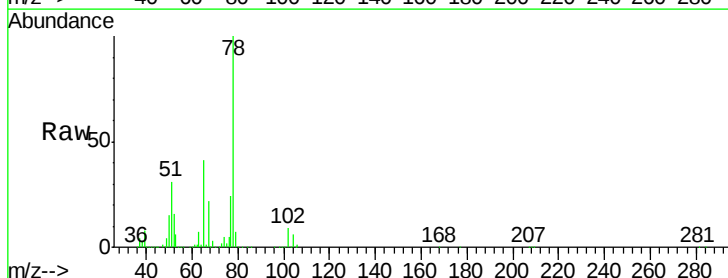
Manual Integrations  
APPROVED

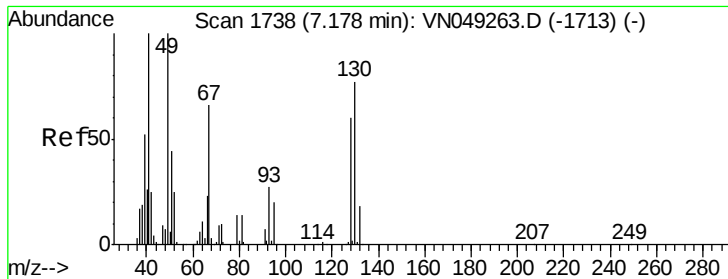
MMDadoda  
6/18/2018 3:16:15 PM



#40  
Benzene  
Concen: 19.78 ug/l  
RT: 8.04 min Scan# 2007  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.4  | 29.0  |





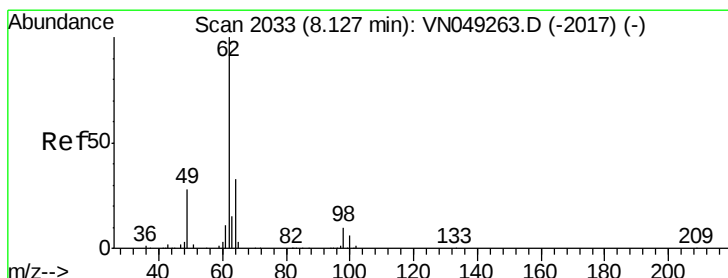
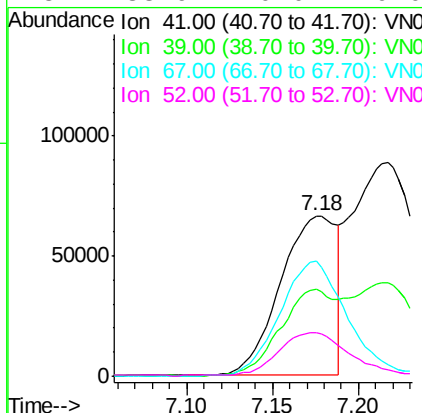
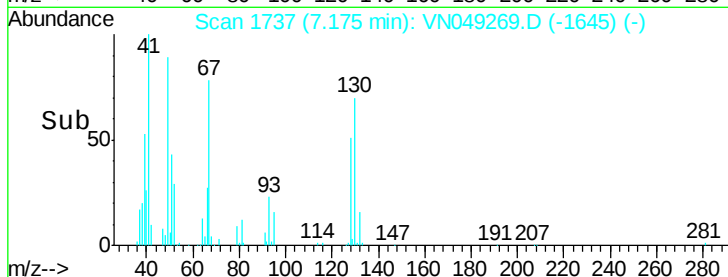
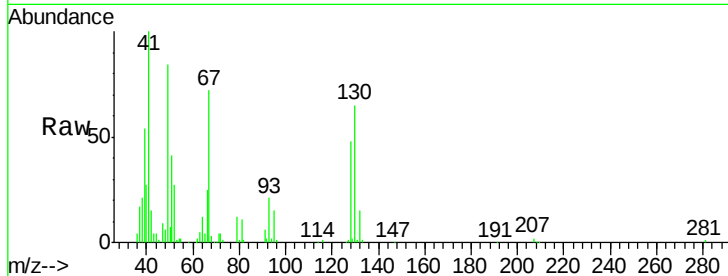
#41  
Methacrylonitrile  
Concen: 20.44 ug/l  
RT: 7.18 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 52.6  | 0.0   | 0.0#  |
| 67      | 87.3  | 0.0   | 0.0#  |
| 52      | 33.9  | 0.0   | 0.0#  |

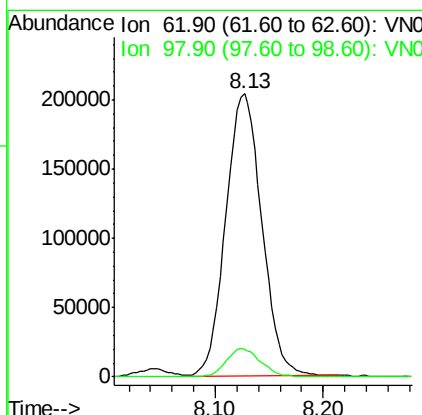
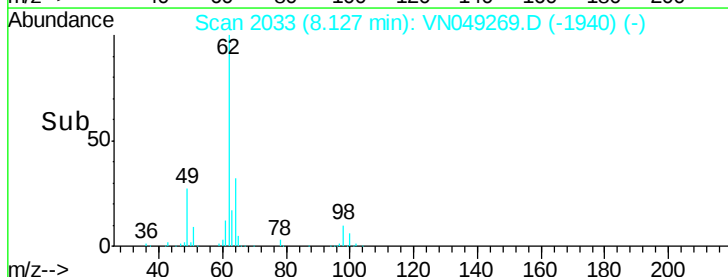
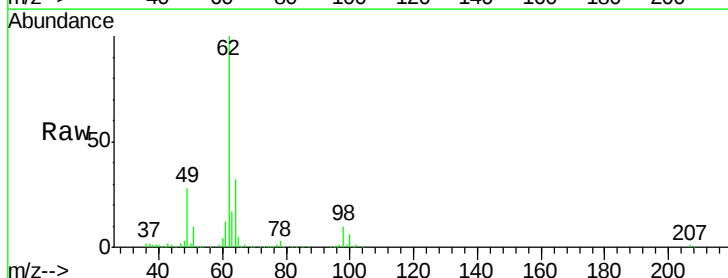
Manual Integrations  
APPROVED

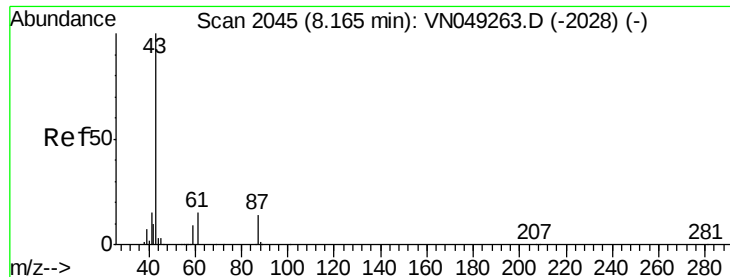
MMDadoda  
6/18/2018 3:16:15 PM



#42  
1,2-Dichloroethane  
Concen: 19.96 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.6   | 0.0   | 16.2  |





#43

Isopropyl Acetate

Concen: 19.93 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

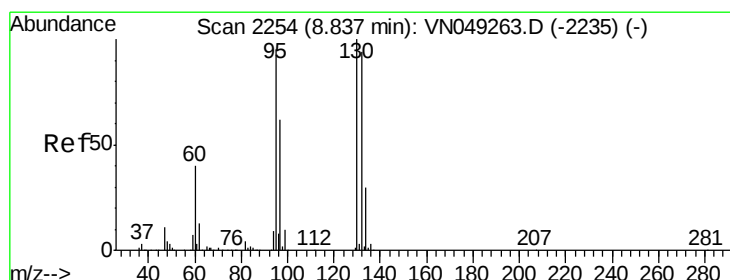
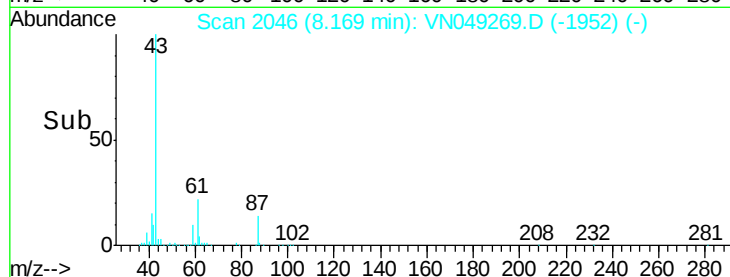
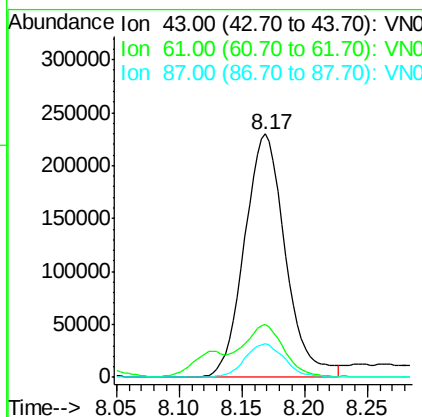
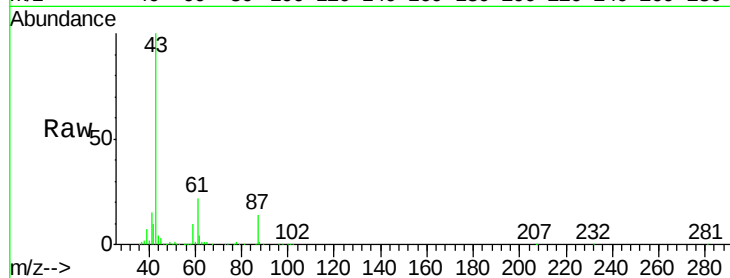
ClientSampleId :

VN0616WBSD01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 43   | Resp: | 520012 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 61        | 20.0 | 14.2  | 21.4   |
| 87        | 13.4 | 9.4   | 14.0   |

Manual Integrations  
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6/18/2018 3:16:15 PM



#44

Trichloroethene

Concen: 19.58 ug/l

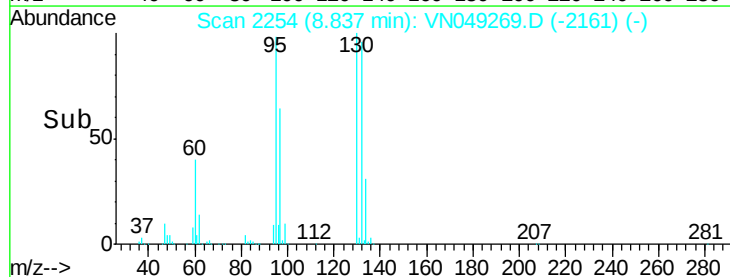
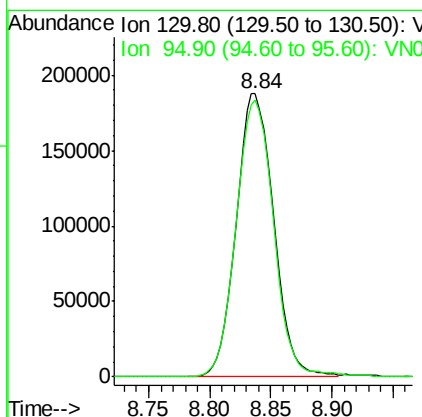
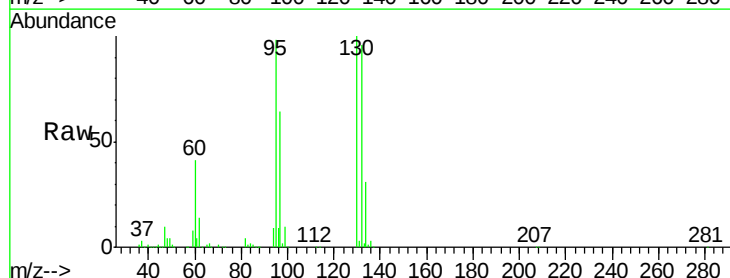
RT: 8.84 min Scan# 2254

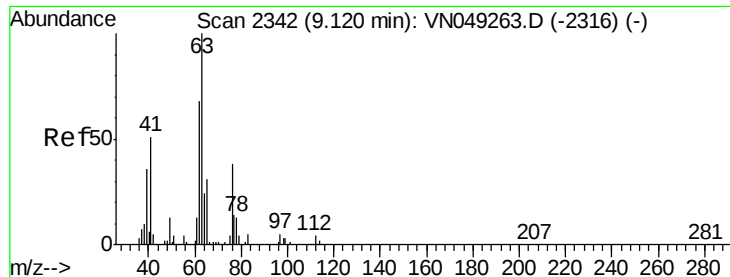
Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 130  | Resp: | 398187 |
| Ion Ratio |      | Lower | Upper  |
| 130       | 100  |       |        |
| 95        | 97.7 | 0.0   | 208.6  |





#45

1,2-Dichloropropane

Concen: 19.88 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBSD01

Tot Ion: 63 Resp: 400954

Ion Ratio Lower Upper

63 100

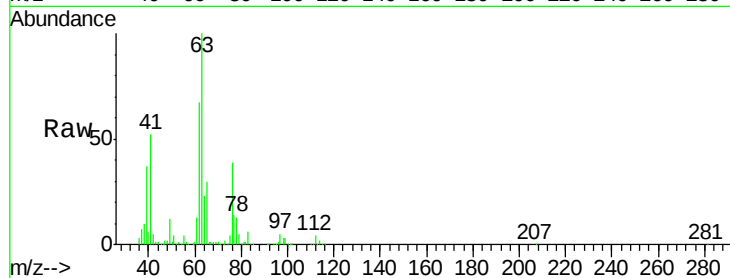
65 30.1 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

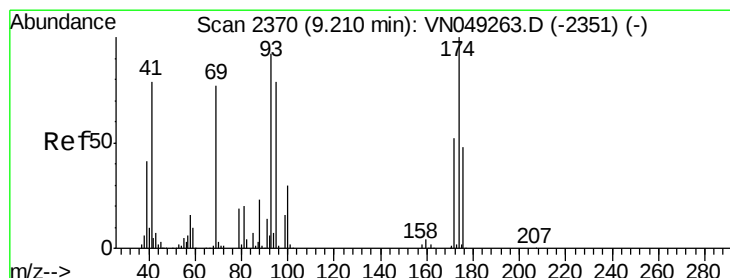
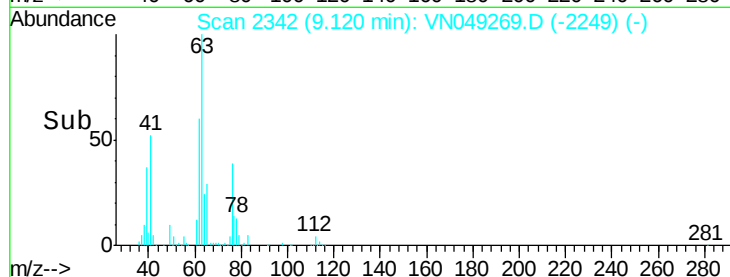
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.91 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

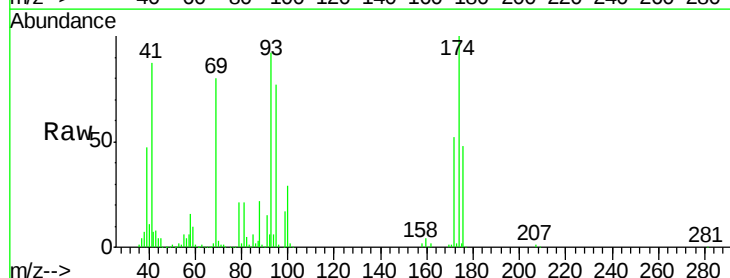
Tgt Ion: 93 Resp: 232860

Ion Ratio Lower Upper

93 100

95 83.3 67.2 100.8

174 109.2 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

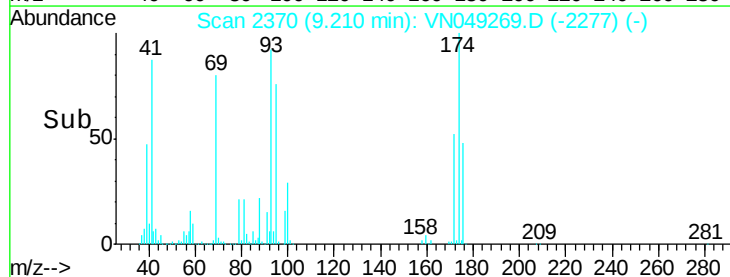
150000

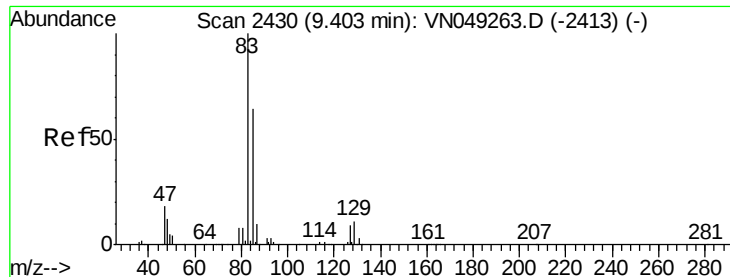
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 19.75 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

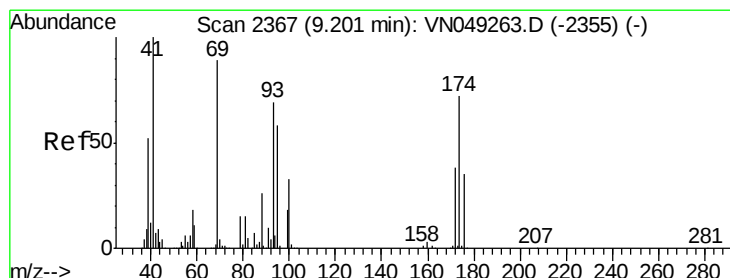
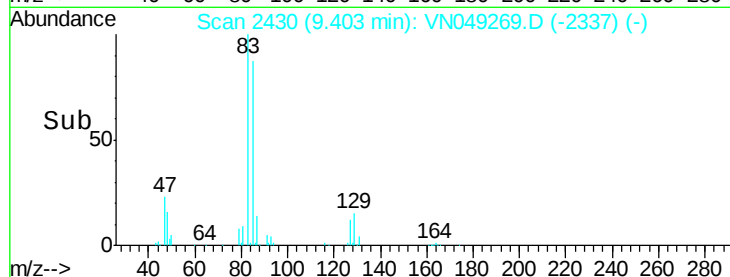
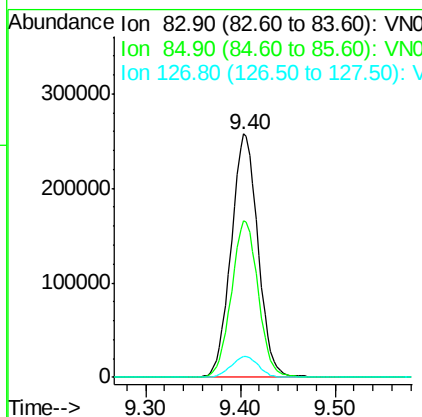
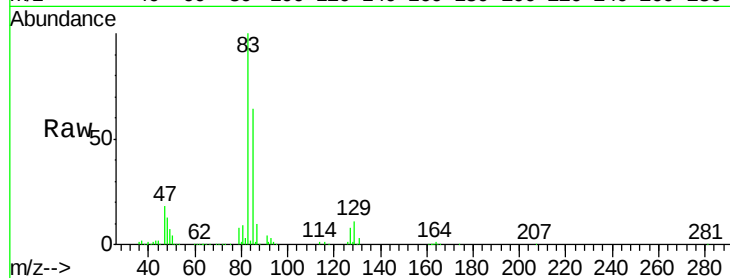
ClientSampleId :

VN0616WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 507421 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.2  | 49.4  | 74.0   |
| 127       | 8.5   | 6.3   | 9.5    |

Manual Integrations  
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6/18/2018 3:16:15 PM



#48

Methyl methacrylate

Concen: 20.46 ug/l

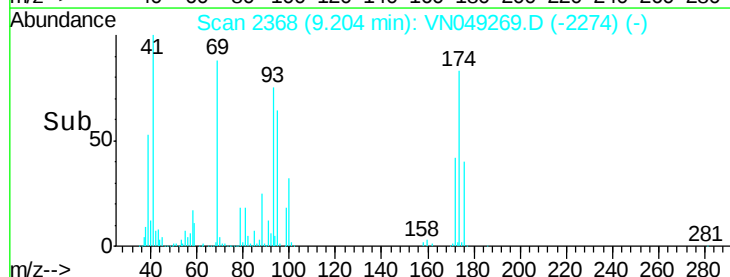
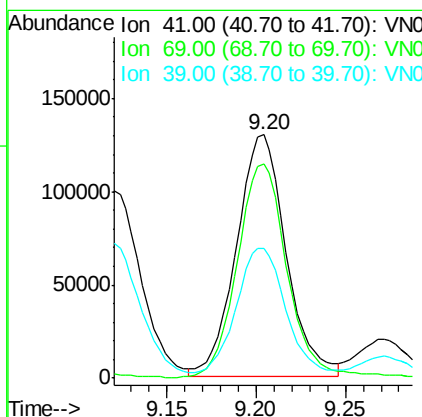
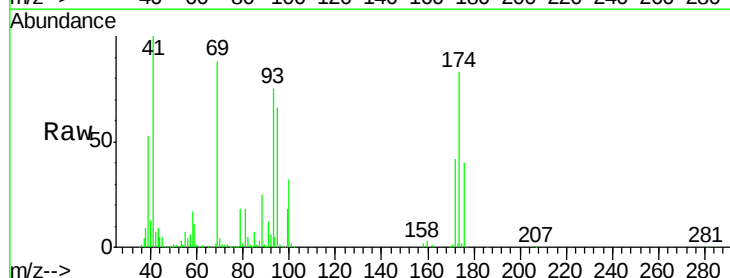
RT: 9.20 min Scan# 2368

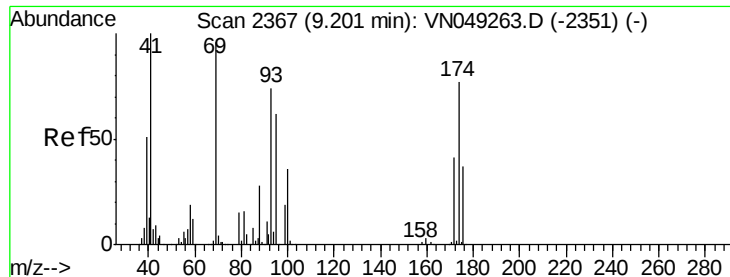
Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 251356 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 88.9  | 62.0  | 93.0   |
| 39        | 53.9  | 50.6  | 75.8   |





#49

1,4-Dioxane

Concen: 403.53 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

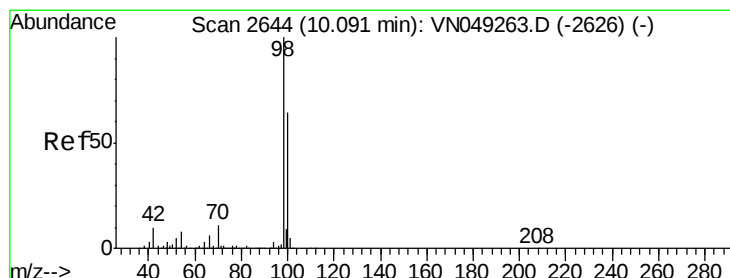
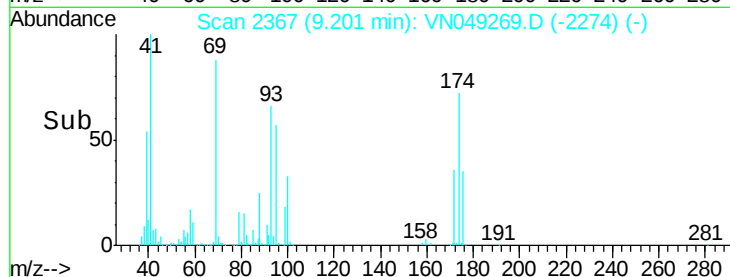
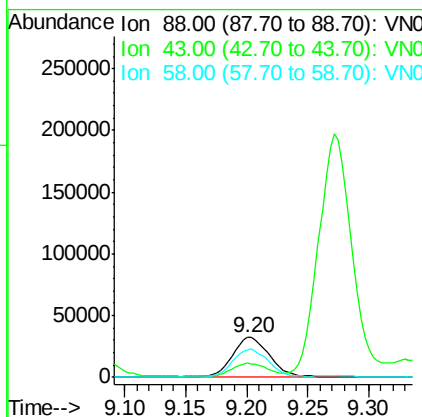
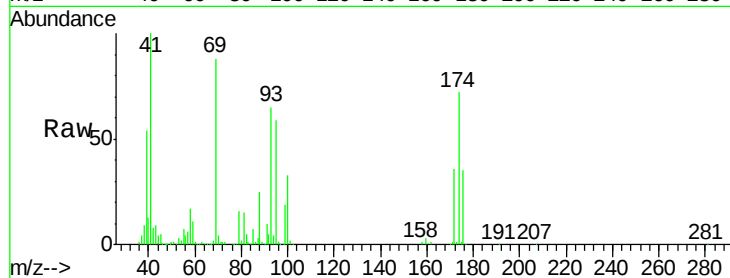
ClientSampleId :

VN0616WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 88    | Resp: | 68436 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 30.0  | 30.9  | 46.3# |
| 58        | 69.6  | 58.9  | 88.3  |

Manual Integrations  
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6/18/2018 3:16:15 PM



#50

Toluene-d8

Concen: 49.61 ug/l

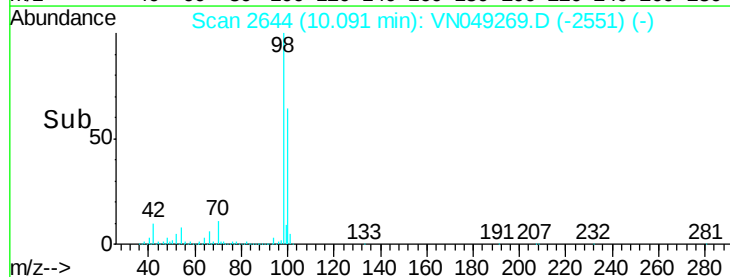
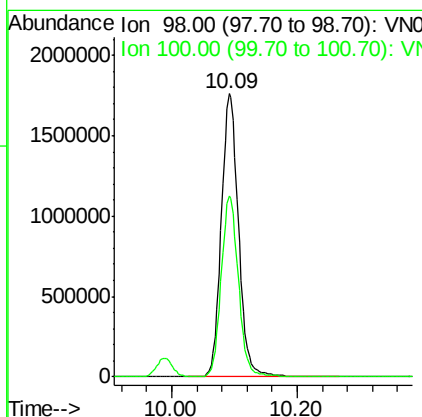
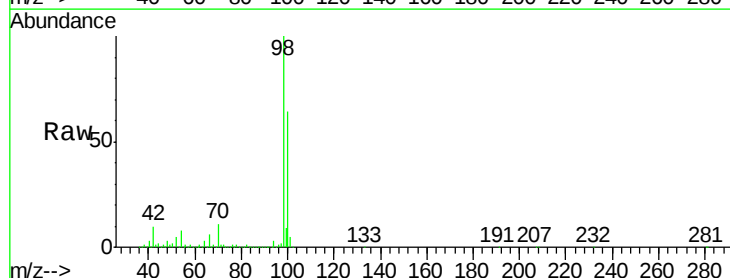
RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 98    | Resp: | 3349881 |
| Ion Ratio | Lower | Upper |         |
| 98        | 100   |       |         |
| 100       | 64.2  | 49.8  | 74.8    |





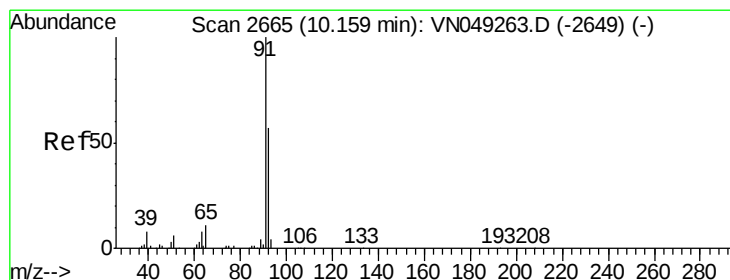
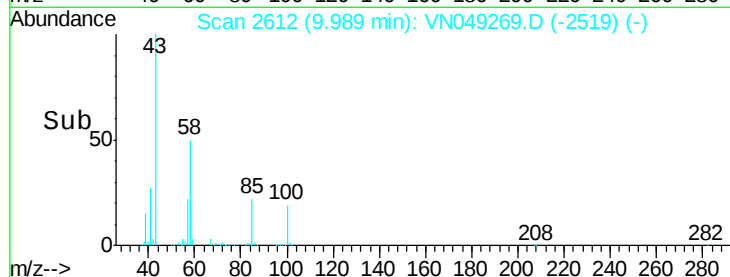
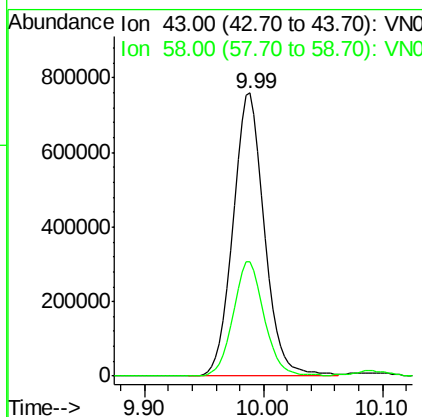
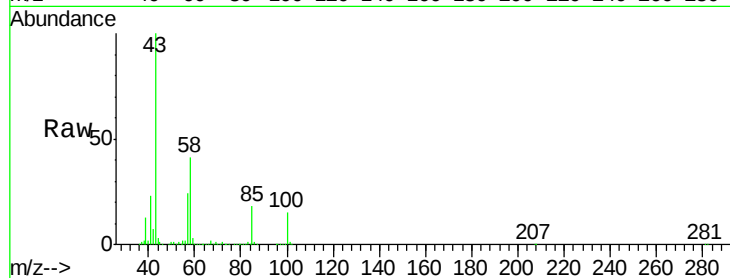
#51  
4-Methyl-2-Pentanone  
Concen: 101.18 ug/l  
RT: 9.99 min Scan# 2612  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

Tot Ion: 43 Resp: 1383704  
Ion Ratio Lower Upper  
43 100  
58 40.1 29.0 43.6

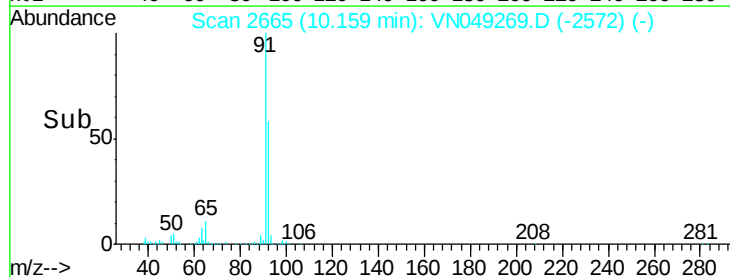
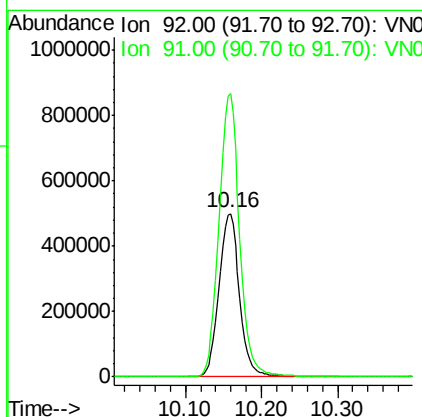
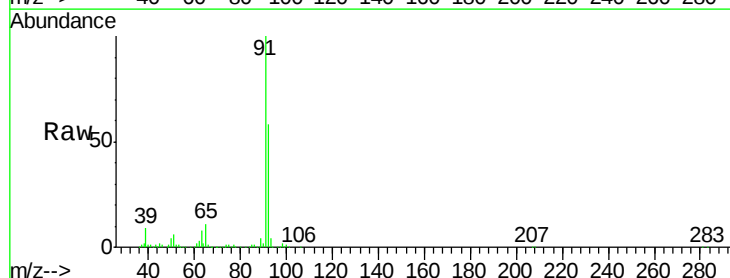
Manual Integrations  
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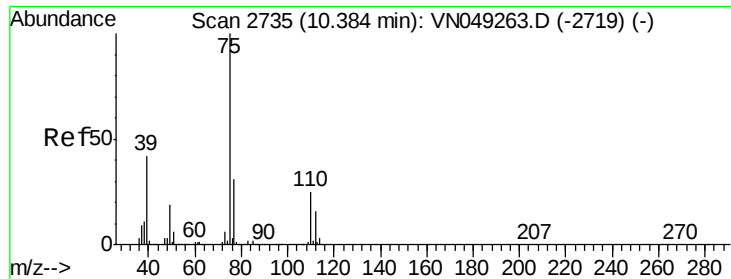
MMDadoda  
6/18/2018 3:16:15 PM



#52  
Toluene  
Concen: 20.62 ug/l  
RT: 10.16 min Scan# 2665  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Tgt Ion: 92 Resp: 932191  
Ion Ratio Lower Upper  
92 100  
91 174.9 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 19.47 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBSD01

Tot Ion: 75 Resp: 478598

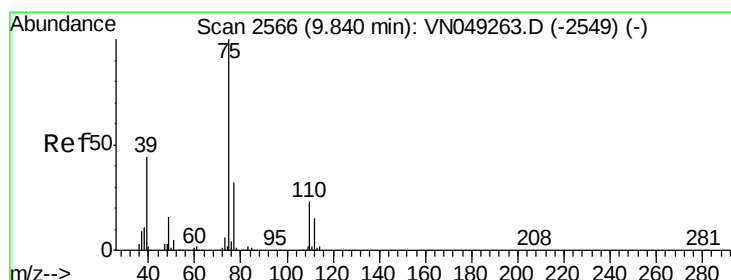
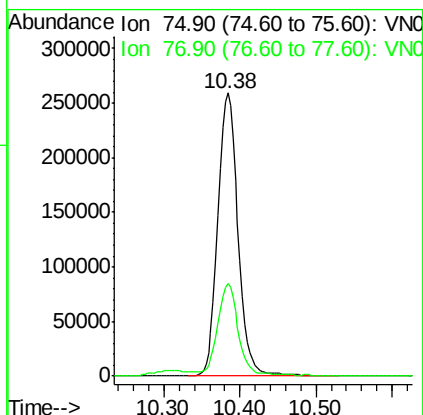
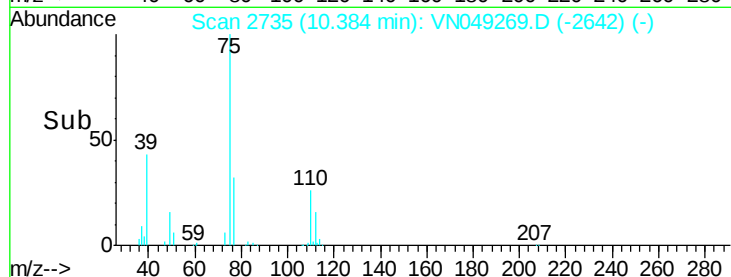
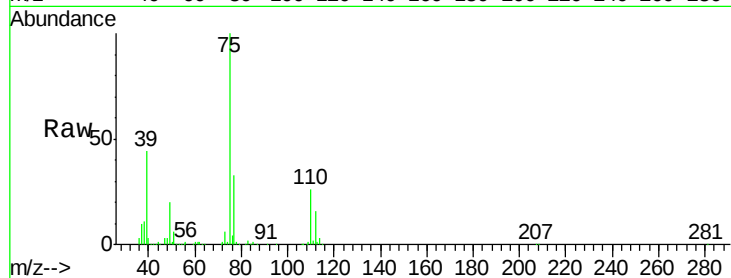
Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

Manual Integrations  
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6/18/2018 3:16:15 PM



#54

cis-1,3-Dichloropropene

Concen: 19.84 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

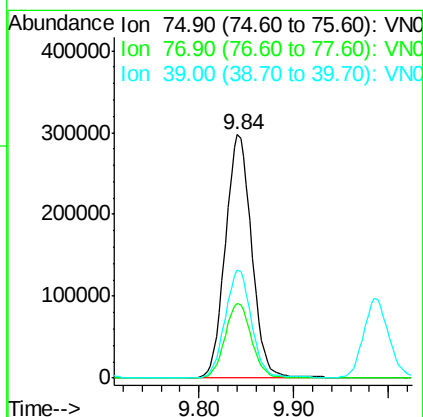
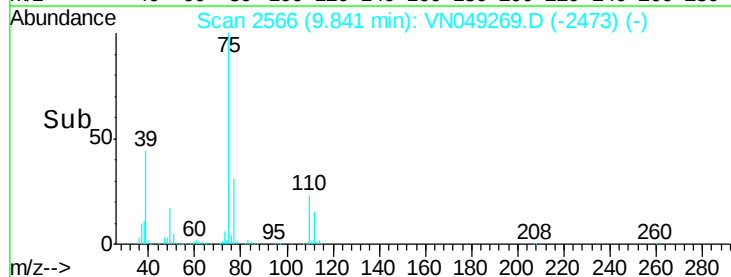
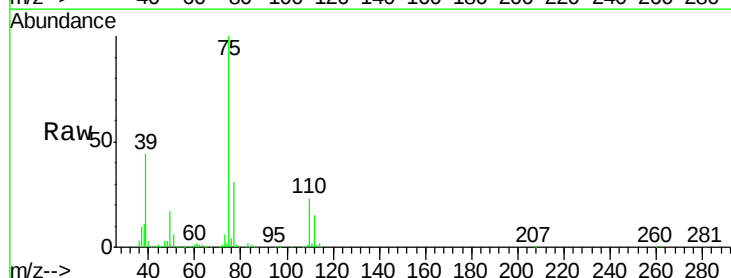
Tgt Ion: 75 Resp: 575782

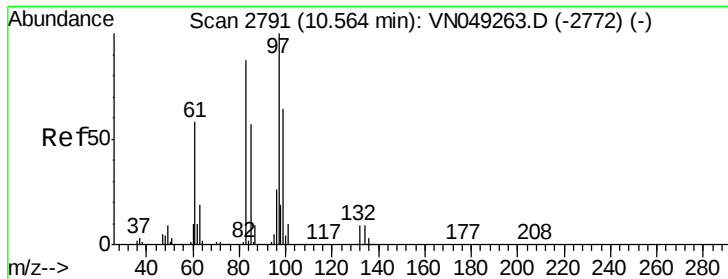
Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2

39 44.1 45.1 67.7#





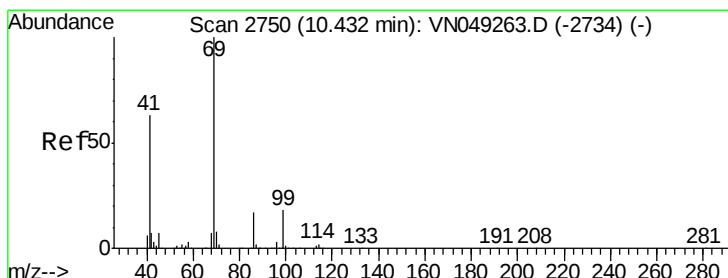
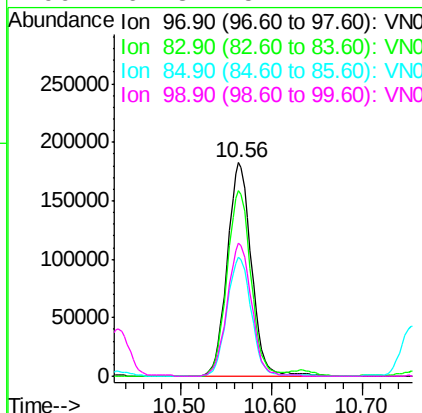
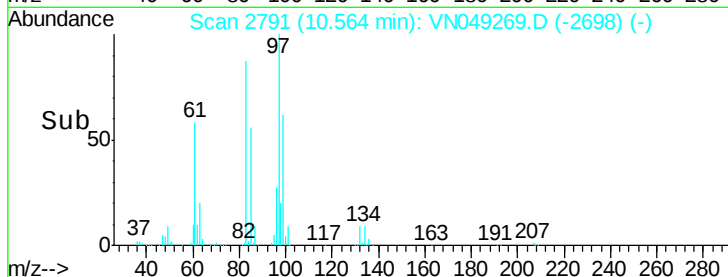
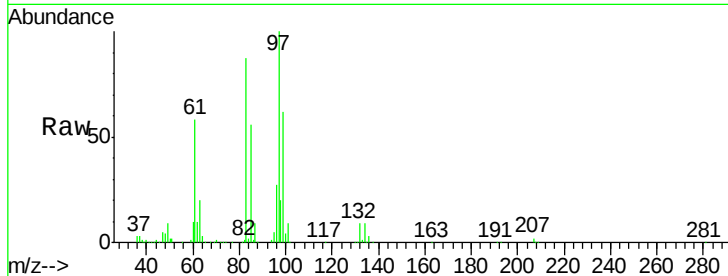
#55  
 1,1,2-Trichloroethane  
 Concen: 20.02 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 337309 |       |       |
| 83      | 86.9 | 71.5  | 107.3  |       |       |
| 85      | 55.5 | 47.0  | 70.4   |       |       |
| 99      | 62.3 | 51.4  | 77.2   |       |       |

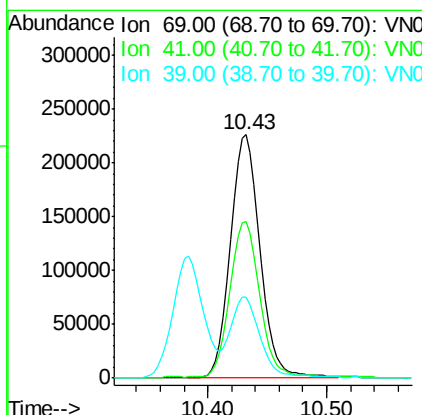
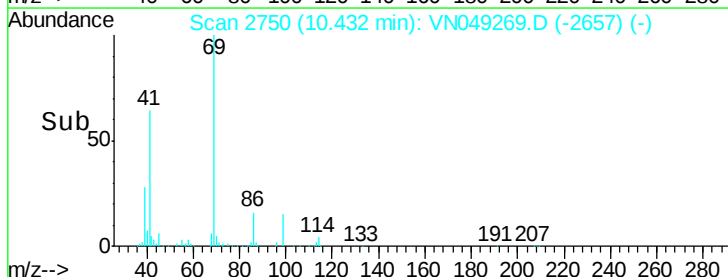
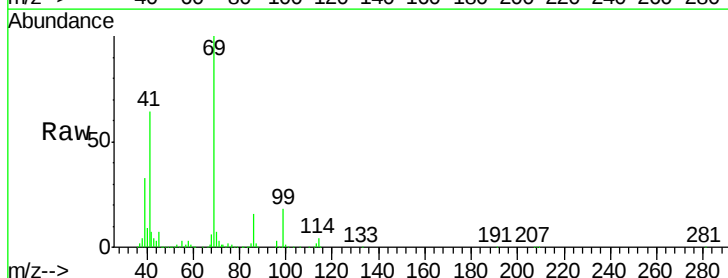
Manual Integrations  
 APPROVED

MMDadoda  
 6/18/2018 3:16:15 PM



#56  
 Ethyl methacrylate  
 Concen: 20.17 ug/l  
 RT: 10.43 min Scan# 2750  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 392079 |       |       |
| 41      | 63.6 | 58.4  | 87.6   |       |       |
| 39      | 33.2 | 35.5  | 53.3#  |       |       |





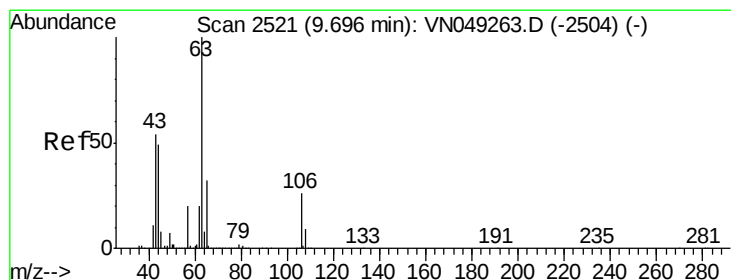
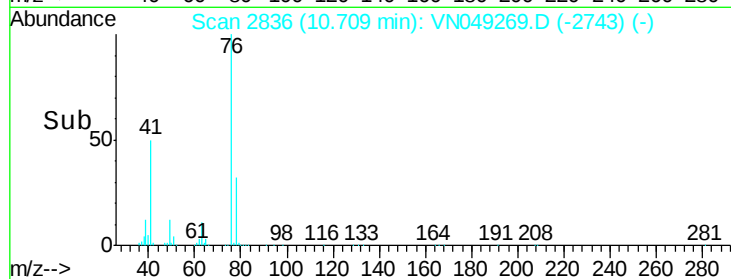
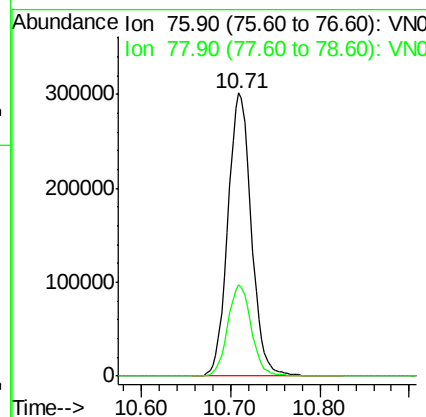
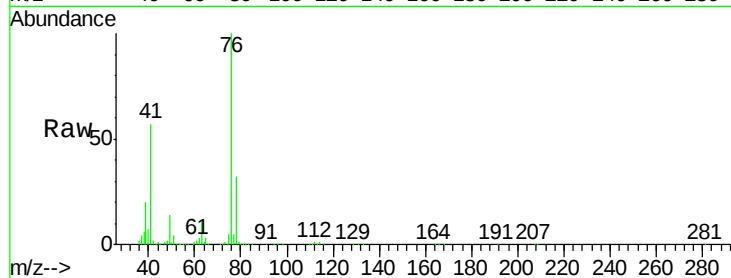
#57  
 1,3-Dichloropropane  
 Concen: 19.64 ug/l  
 RT: 10.71 min Scan# 2836  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.7  | 26.3  | 39.5  |

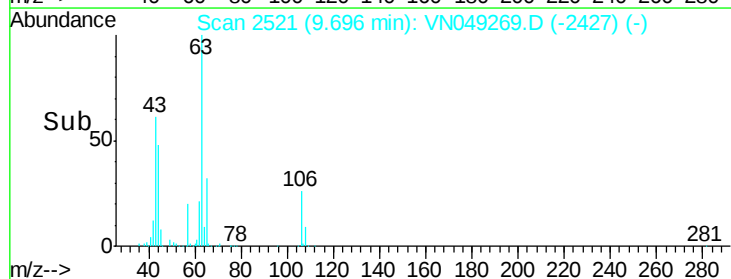
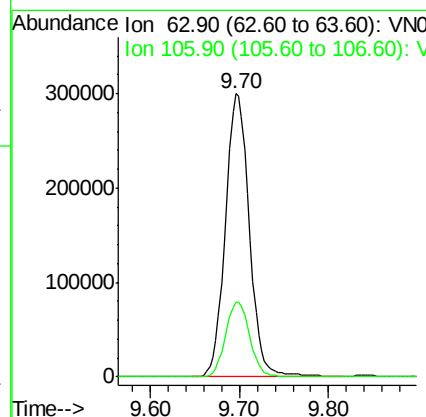
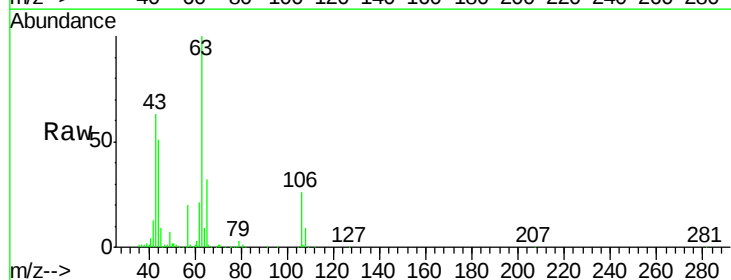
Manual Integrations  
 APPROVED

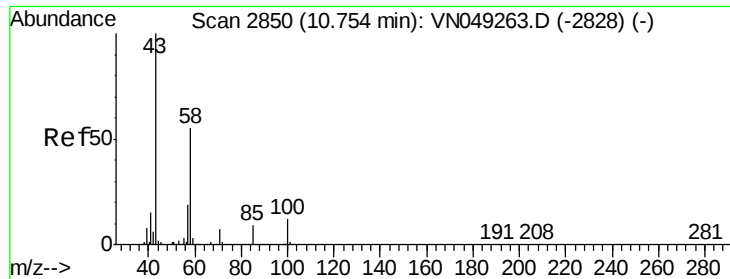
MMDadoda  
 6/18/2018 3:16:15 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 89.98 ug/l  
 RT: 9.70 min Scan# 2521  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.7  | 19.4  | 29.2  |





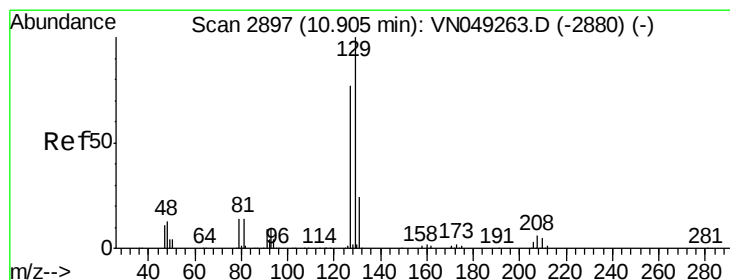
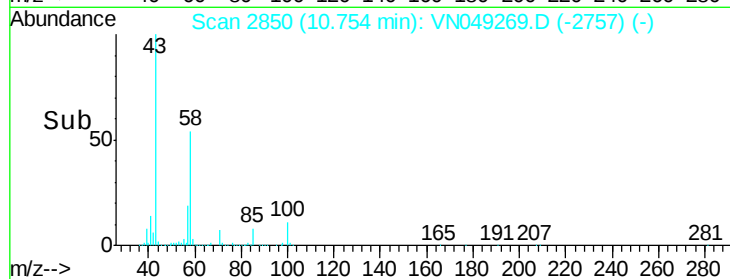
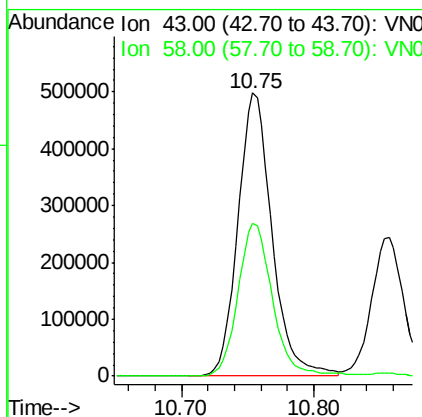
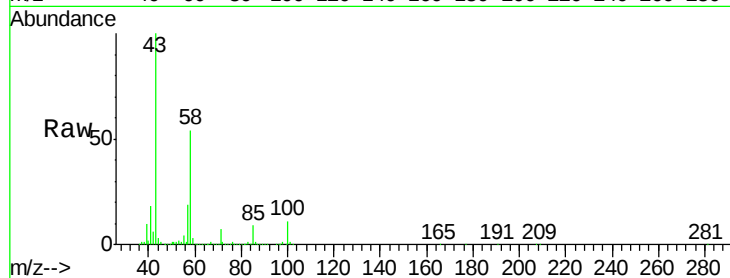
#59  
2-Hexanone  
Concen: 100.53 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion   | 43 | Resp | 886320 |
|-----------|----|------|--------|
| Ion Ratio | 43 | 100  |        |
| Lower     | 58 | 54.9 | 25.2   |
| Upper     |    |      | 75.6   |

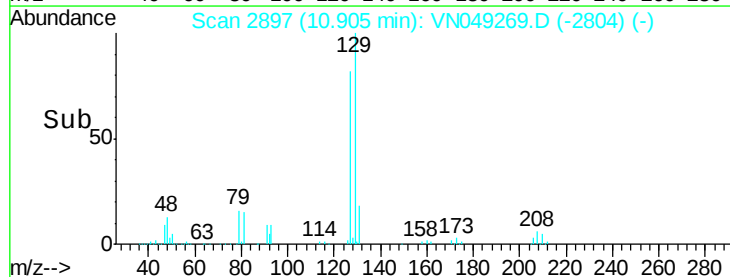
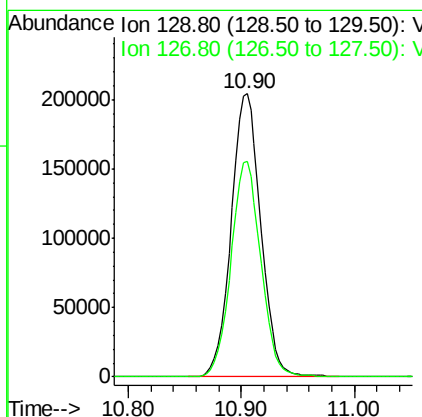
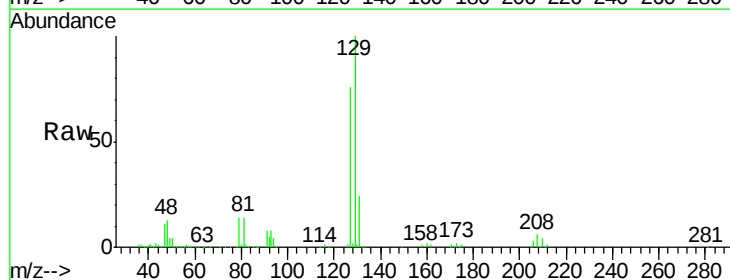
Manual Integrations  
APPROVED

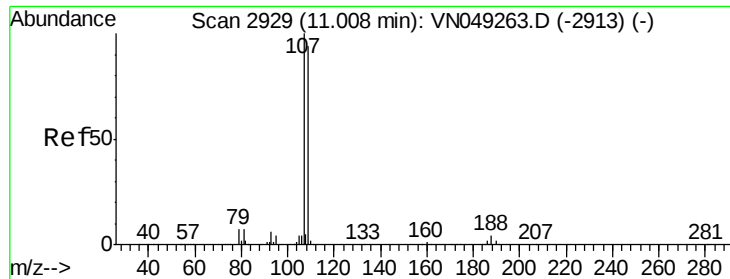
MMDadoda  
6/18/2018 3:16:15 PM



#60  
Dibromochloromethane  
Concen: 19.74 ug/l  
RT: 10.90 min Scan# 2897  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion   | 129 | Resp | 371196 |
|-----------|-----|------|--------|
| Ion Ratio | 129 | 100  |        |
| Lower     | 127 | 76.6 | 39.1   |
| Upper     |     |      | 117.2  |





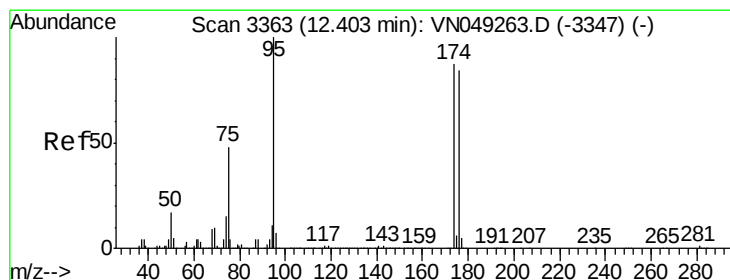
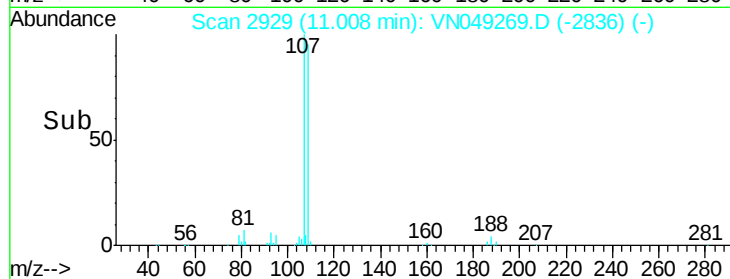
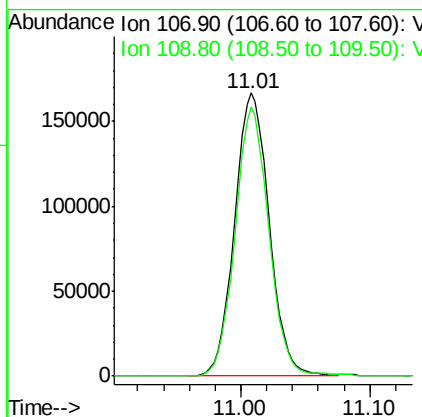
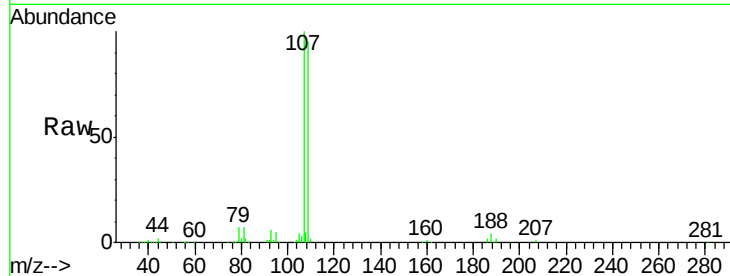
#61  
 1,2-Dibromoethane  
 Concen: 19.85 ug/l  
 RT: 11.01 min Scan# 2929  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 93.1  | 75.4  | 113.2 |

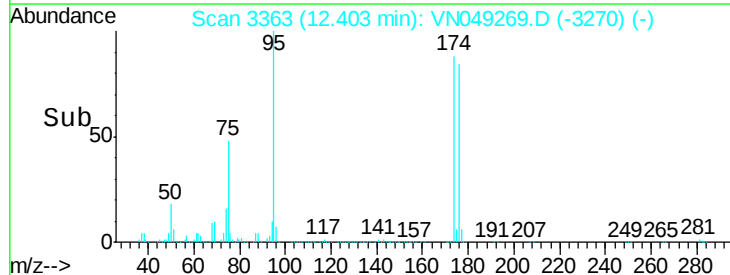
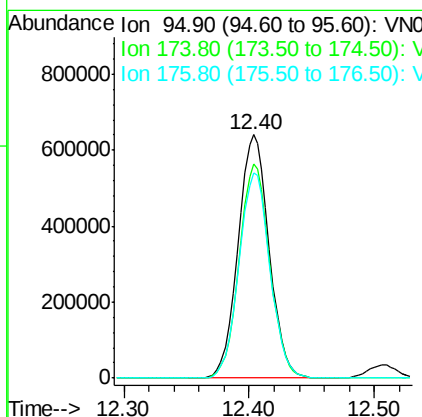
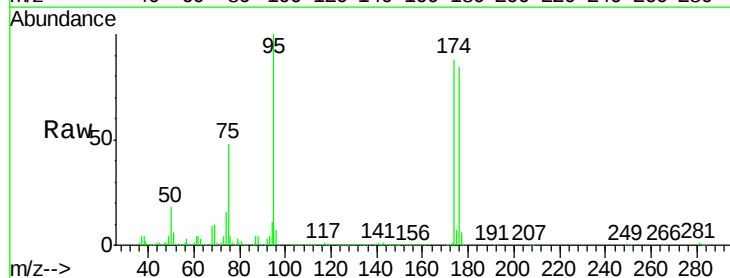
Manual Integrations  
 APPROVED

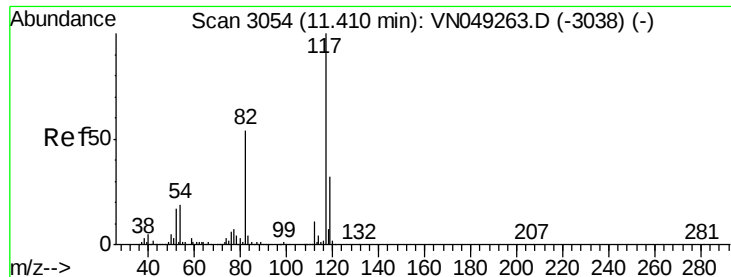
MMDadoda  
 6/18/2018 3:16:15 PM



#62  
 4-Bromofluorobenzene  
 Concen: 49.03 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 87.0  | 0.0   | 165.6 |
| 176     | 84.5  | 0.0   | 157.4 |





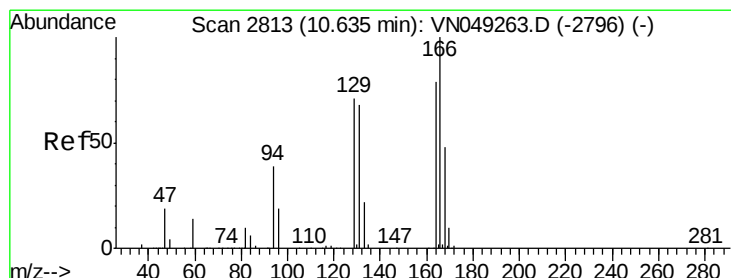
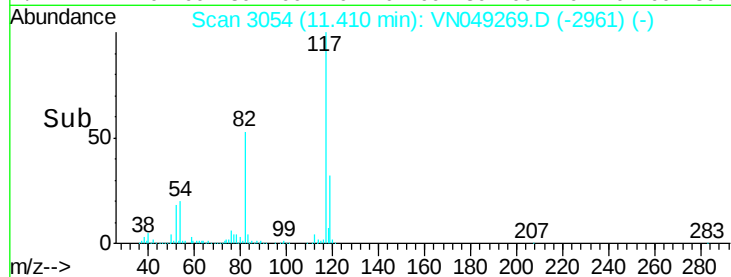
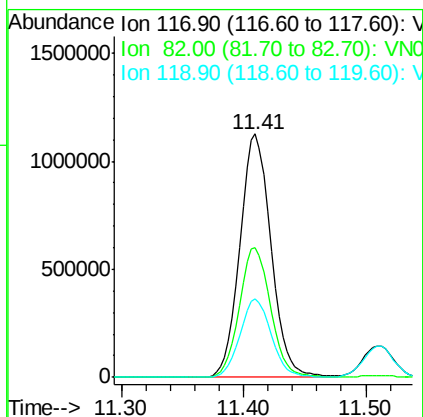
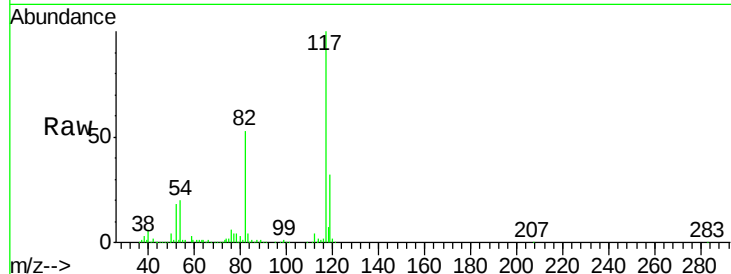
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 45.9  | 68.9  |
| 119     | 32.1  | 25.5  | 38.3  |

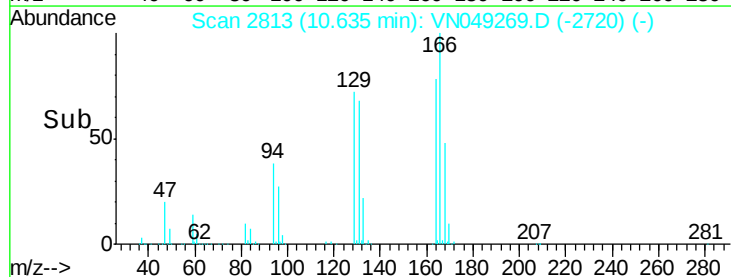
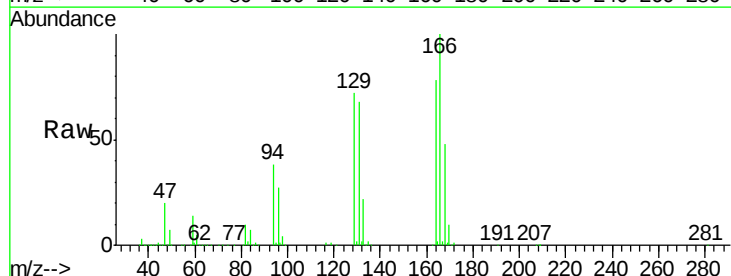
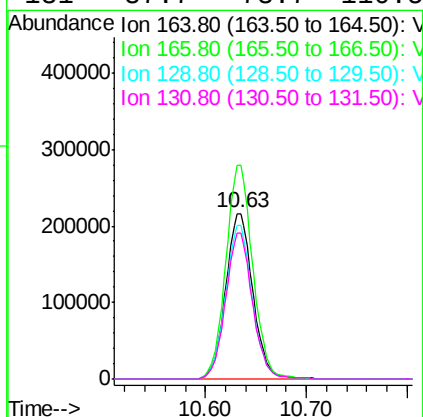
Manual Integrations  
APPROVED

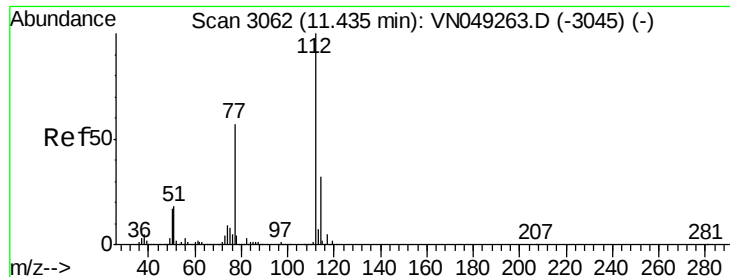
MMDadoda  
6/18/2018 3:16:15 PM



#64  
Tetrachloroethene  
Concen: 19.97 ug/l  
RT: 10.63 min Scan# 2813  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.0 | 101.4 | 152.2 |
| 129     | 92.5  | 74.1  | 111.1 |
| 131     | 87.7  | 73.7  | 110.5 |





#65

Chlorobenzene

Concen: 19.69 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBSD01

Tot Ion:112 Resp: 1004631

Ion Ratio Lower Upper

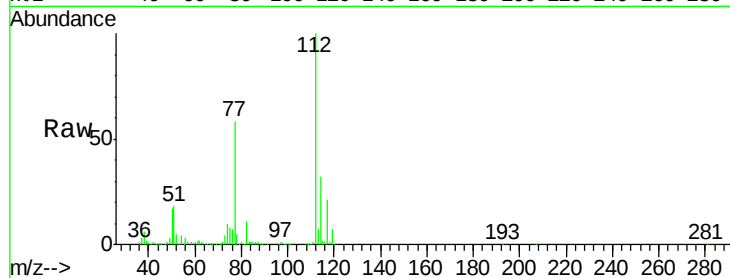
112 100

114 31.6 26.2 39.4

Manual Integrations  
APPROVED

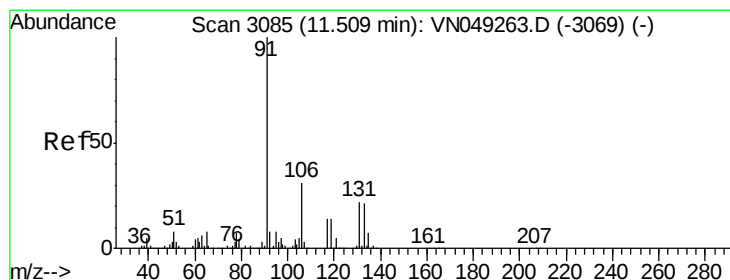
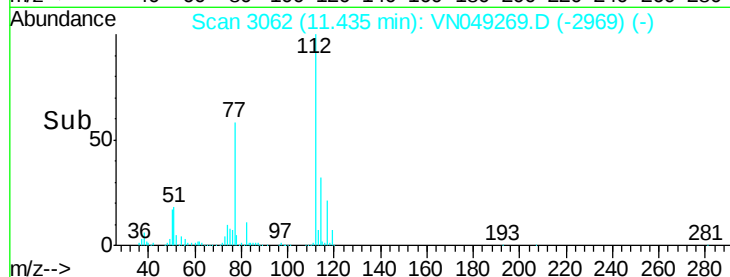
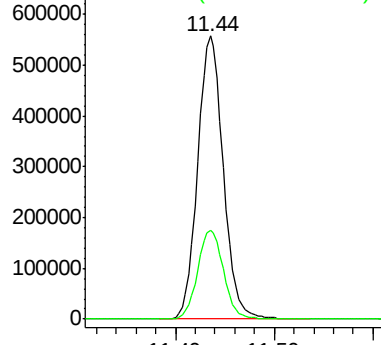
MMDadoda

6/18/2018 3:16:15 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: 19.11 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

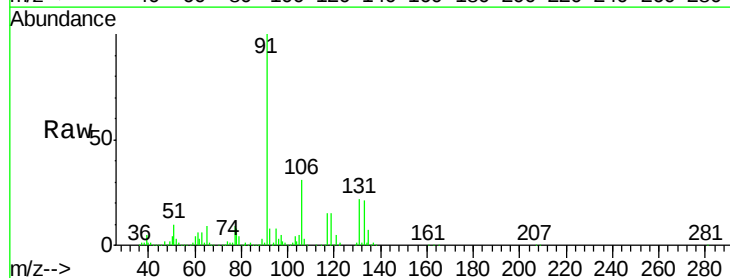
Tgt Ion:131 Resp: 366809

Ion Ratio Lower Upper

131 100

133 97.6 48.0 144.2

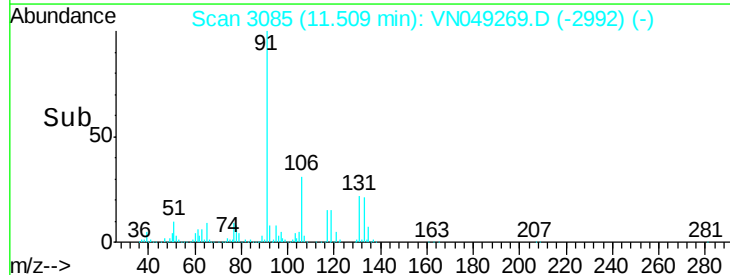
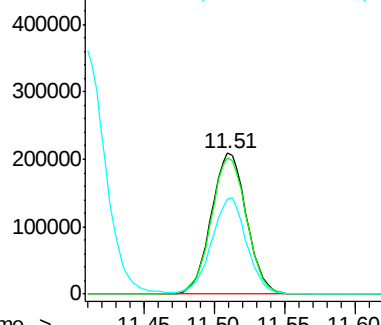
119 67.7 33.6 100.8

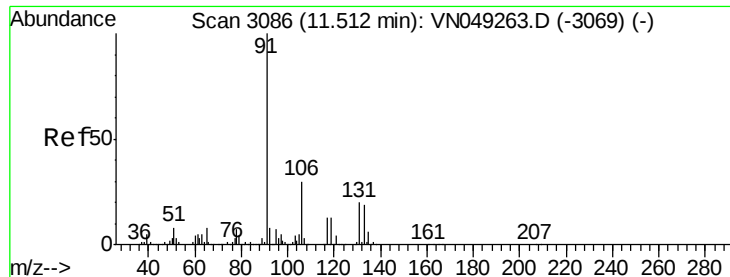


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





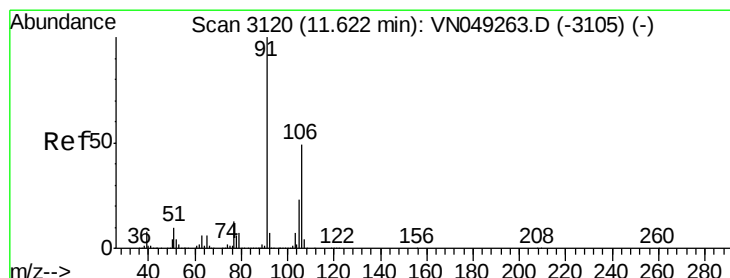
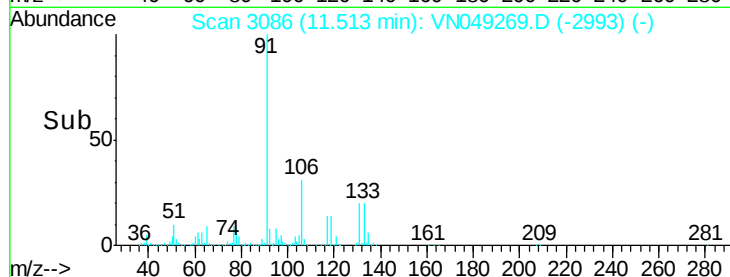
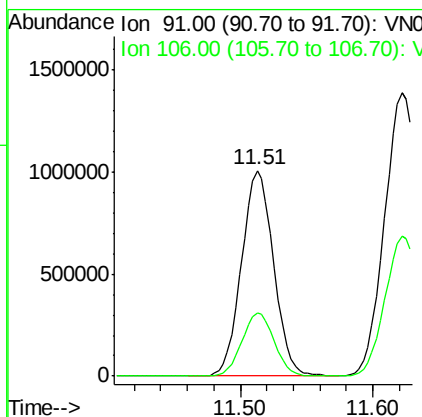
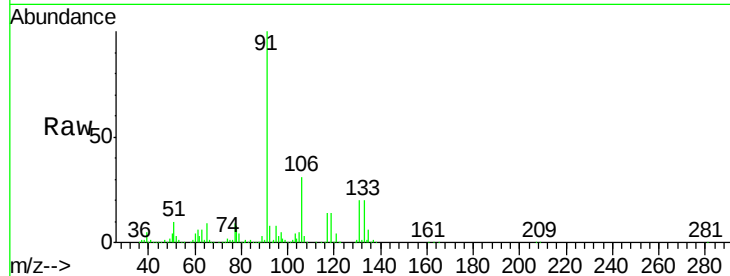
#67  
Ethyl Benzene  
Concen: 20.05 ug/l  
RT: 11.51 min Scan# 3086  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

Tot Ion: 91 Resp: 1696456  
Ion Ratio Lower Upper  
91 100  
106 30.9 23.9 35.9

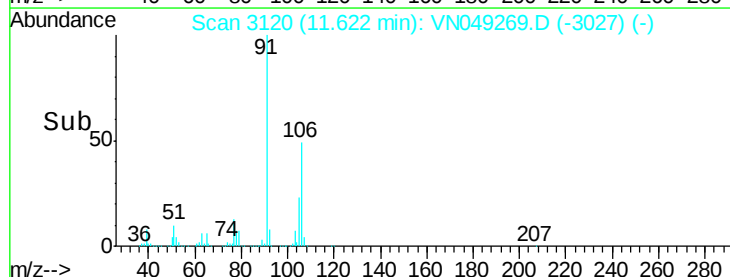
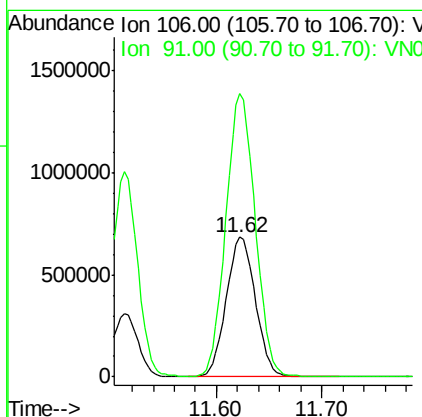
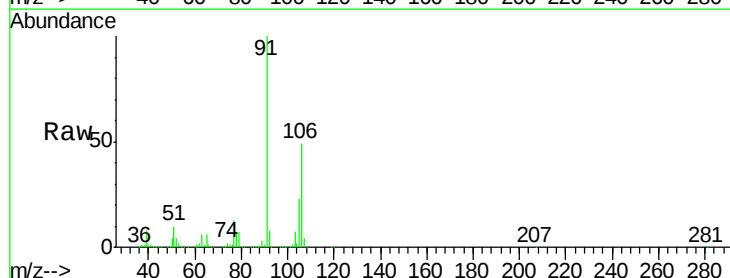
Manual Integrations  
APPROVED

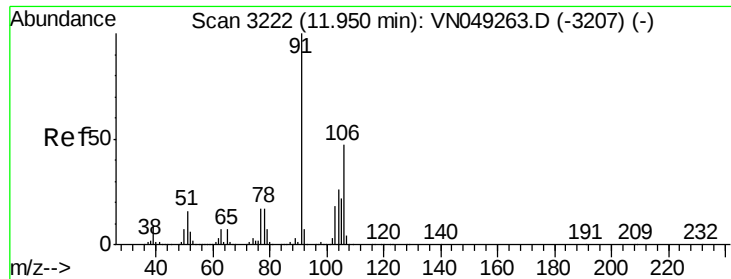
MMDadoda  
6/18/2018 3:16:15 PM



#68  
m/p-Xylenes  
Concen: 41.37 ug/l  
RT: 11.62 min Scan# 3120  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Tgt Ion: 106 Resp: 1313463  
Ion Ratio Lower Upper  
106 100  
91 202.7 167.3 250.9





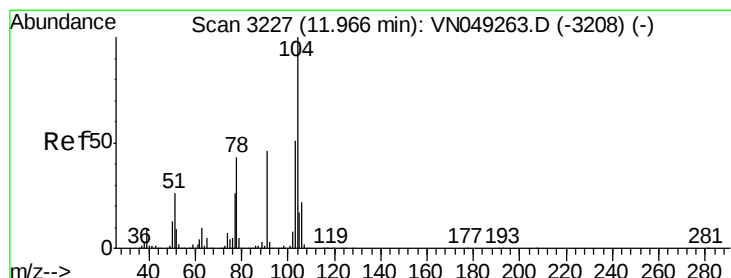
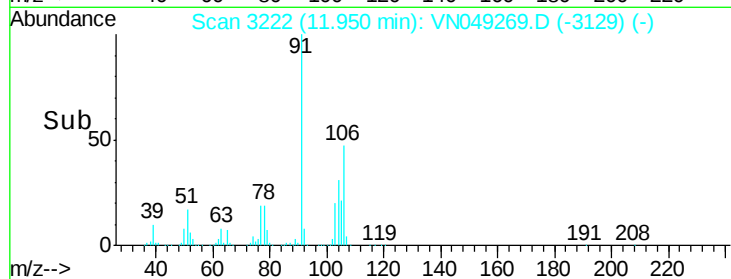
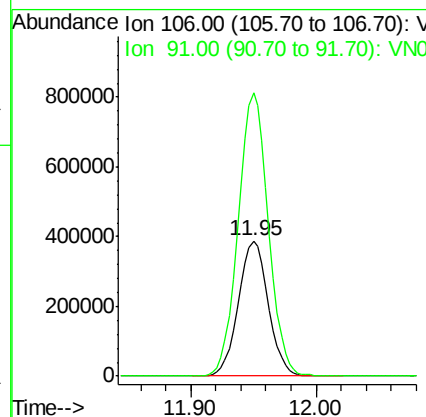
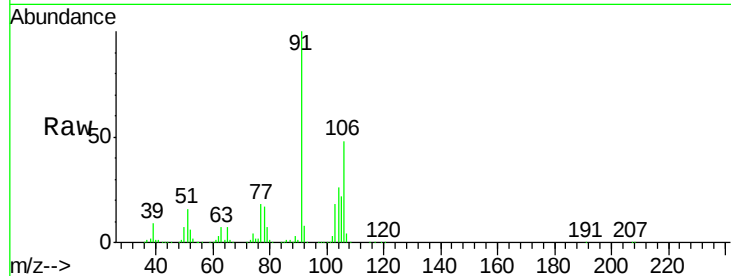
#69  
o-Xylene  
Concen: 20.96 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0616WBSD01

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 640906 |       |       |
| 91      | 210.5 | 111.0 | 333.0  |       |       |

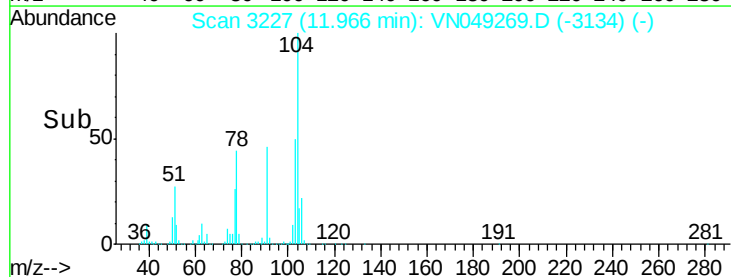
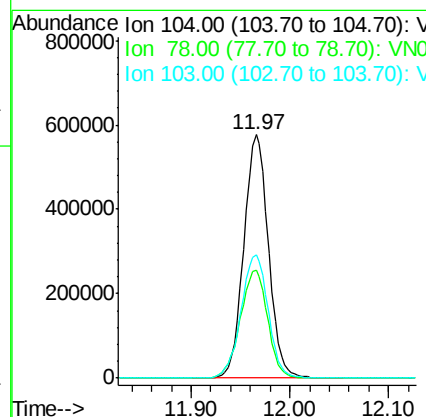
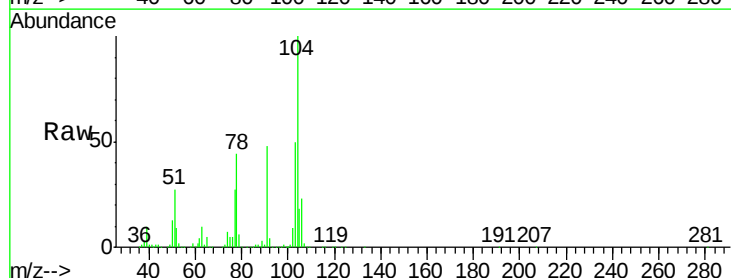
Manual Integrations  
APPROVED

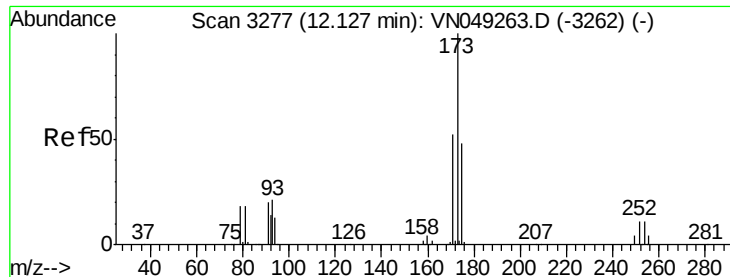
MMDadoda  
6/18/2018 3:16:15 PM



#70  
Styrene  
Concen: 20.64 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 996057 |       |       |
| 78      | 49.3 | 41.6  | 62.4   |       |       |
| 103     | 56.0 | 45.4  | 68.2   |       |       |





#71

Bromoform

Concen: 19.76 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

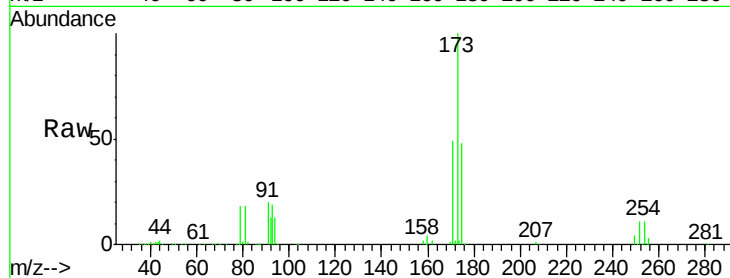
ClientSampleId :

VN0616WBSD01

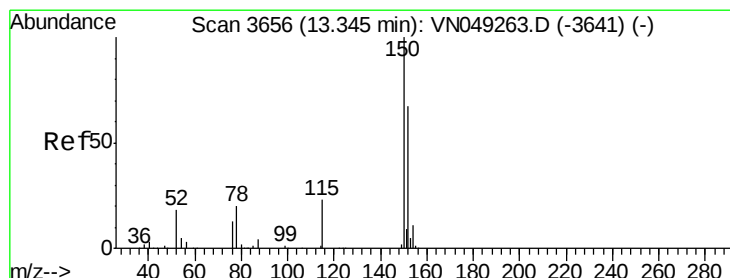
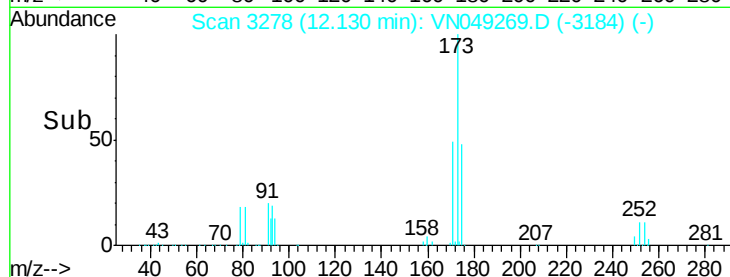
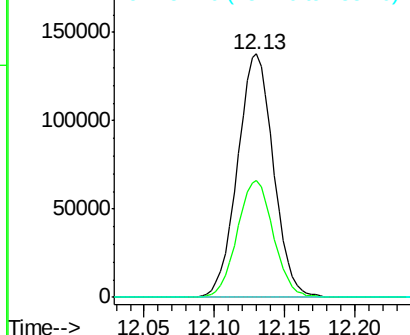
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.3  | 24.5  | 73.5  |
| 254     | 0.1   | 0.1   | 0.1   |

Manual Integrations  
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6/18/2018 3:16:15 PM



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: 50.00 ug/l

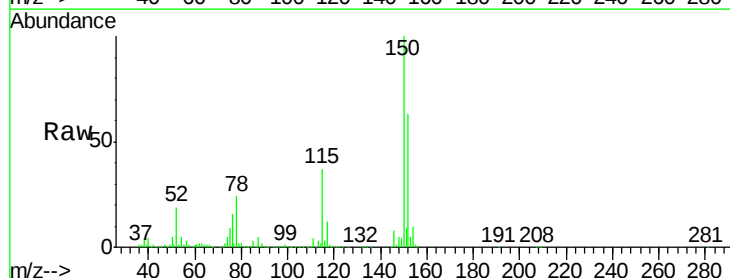
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

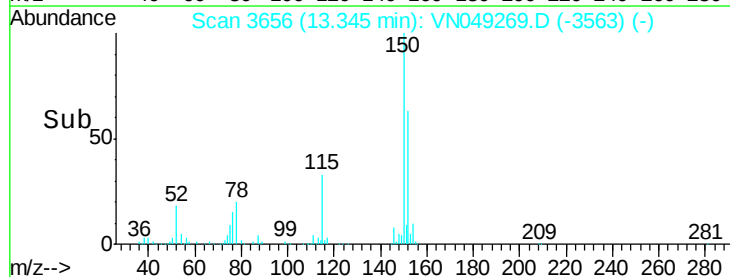
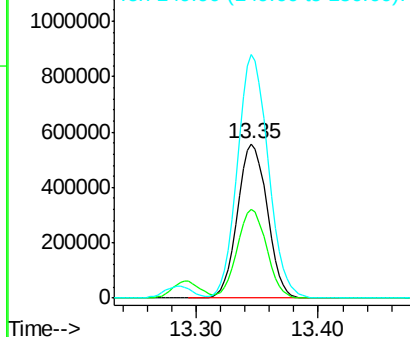
Lab File: VN049269.D

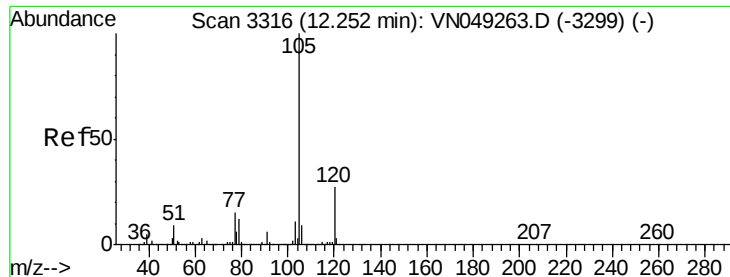
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.2  | 28.7  | 86.1  |
| 150     | 163.4 | 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: 20.49 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBSD01

Tot Ion:105 Resp: 1688195

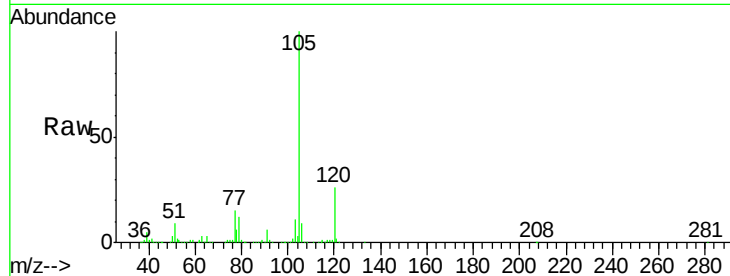
Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3

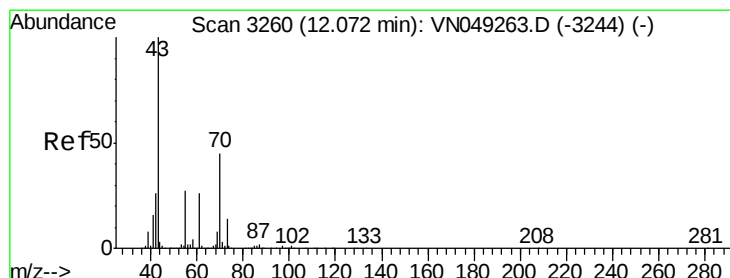
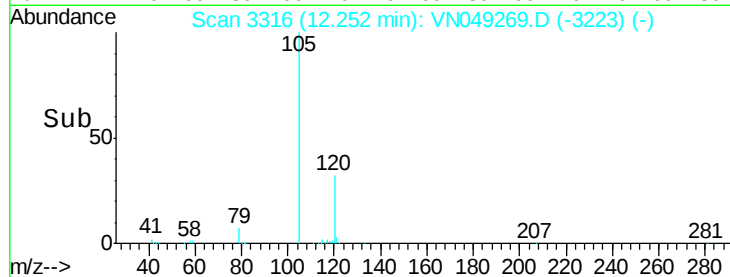
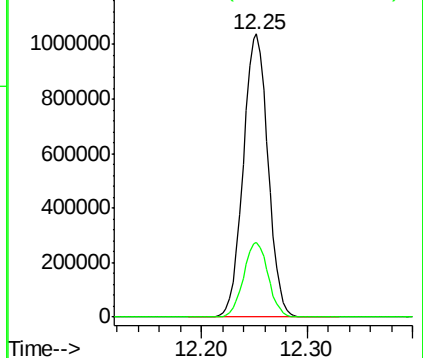
Manual Integrations  
APPROVED

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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: 19.44 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Tgt Ion: 43 Resp: 392370

Ion Ratio Lower Upper

43 100

70 43.9 30.3 45.5

55 26.6 19.4 29.2

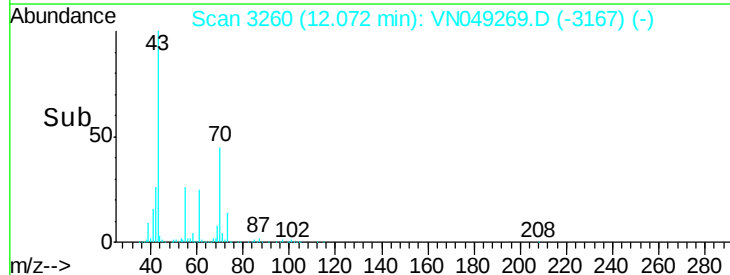
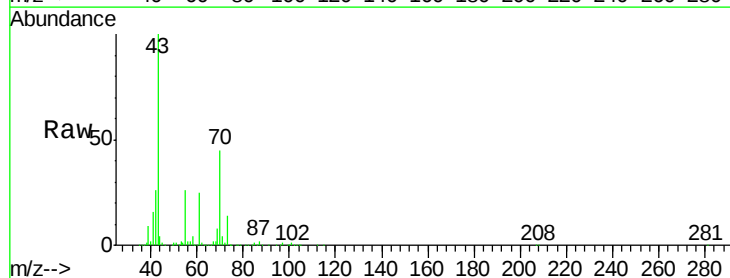
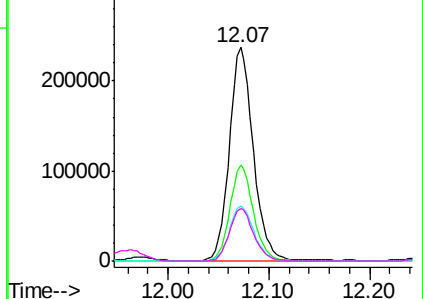
61 25.0 17.8 26.6

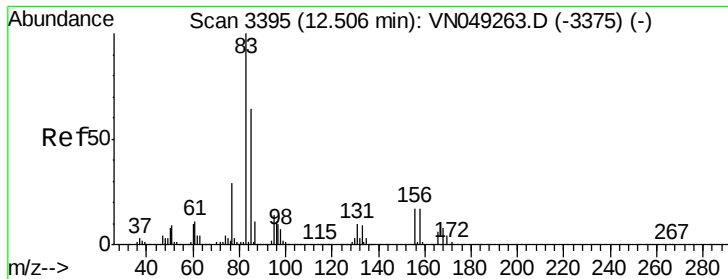
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.72 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

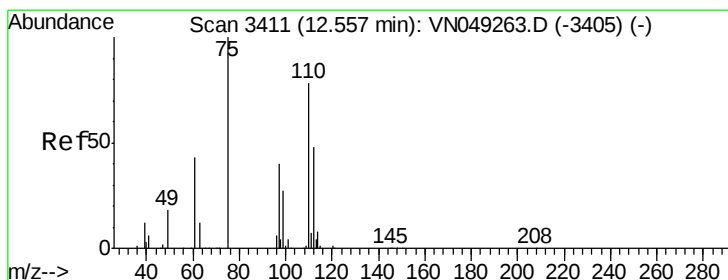
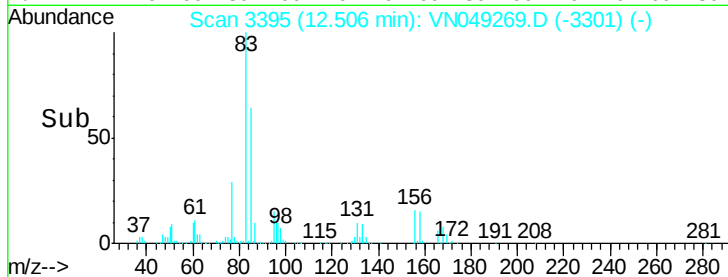
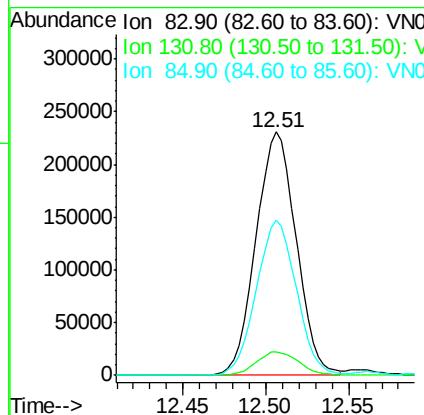
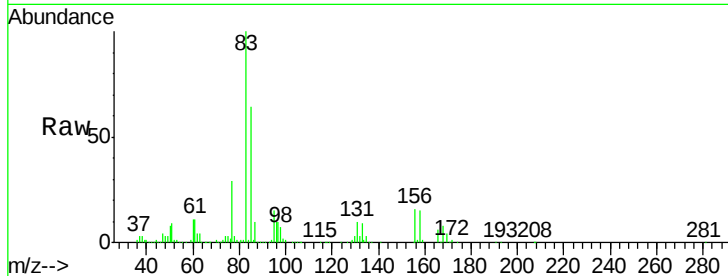
ClientSampleId :

VN0616WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 389649 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.2  | 5.0   | 15.0   |
| 85        | 63.4  | 32.0  | 96.0   |

Manual Integrations  
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 19.70 ug/l m

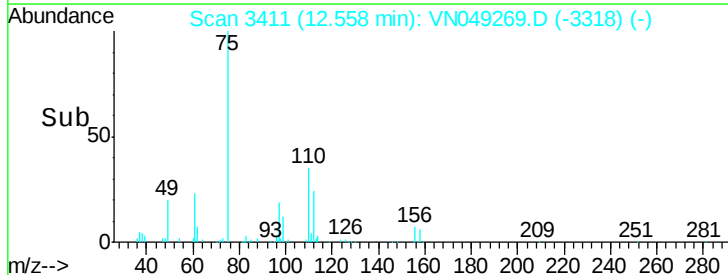
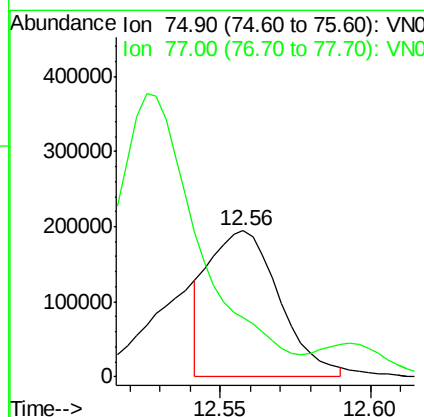
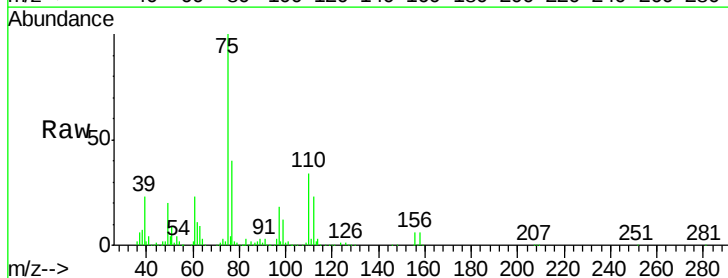
RT: 12.56 min Scan# 3411

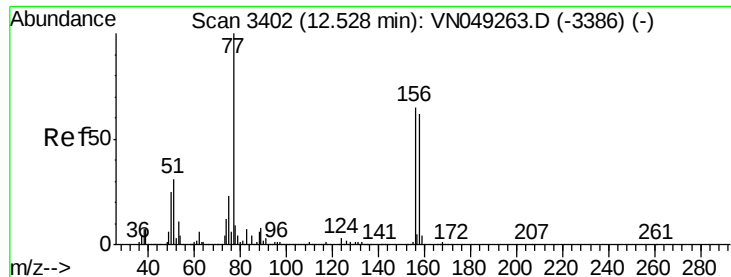
Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 315483 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 18.94 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

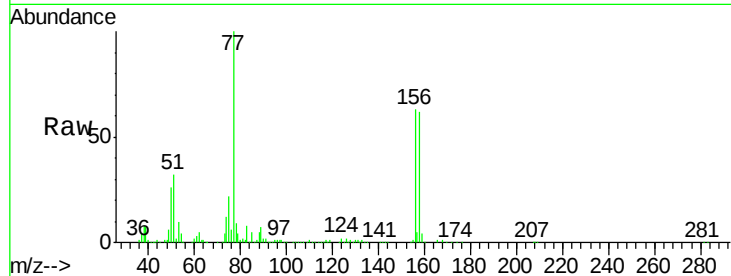
ClientSampleId :

VN0616WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 412251 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 183.4 | 100.8 | 302.4  |
| 158       | 97.9  | 49.3  | 147.9  |

Manual Integrations  
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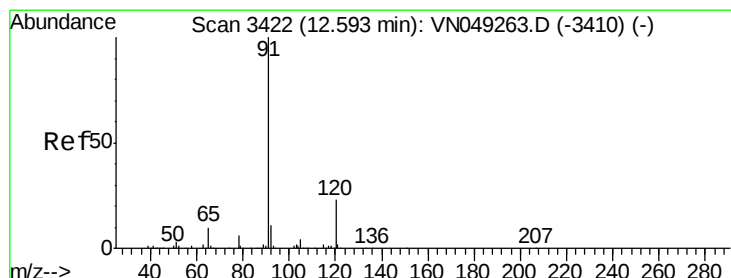
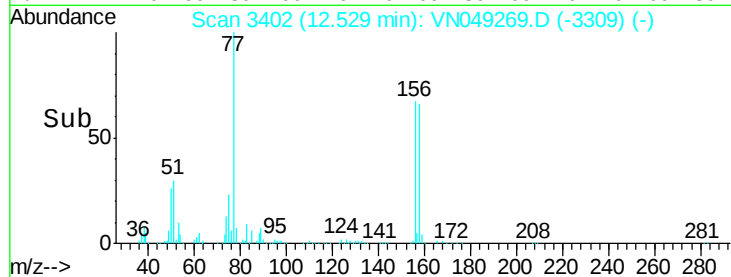
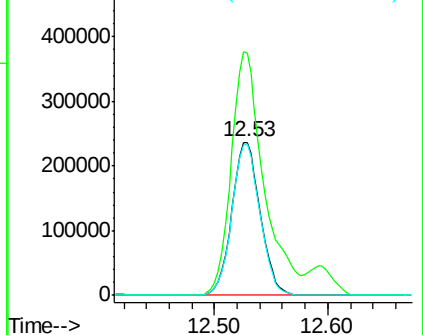
MMDadoda  
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.71 ug/l

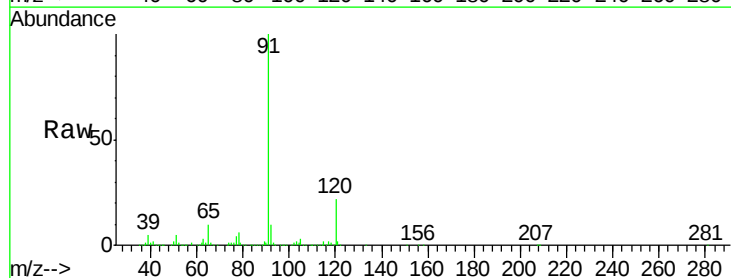
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049269.D

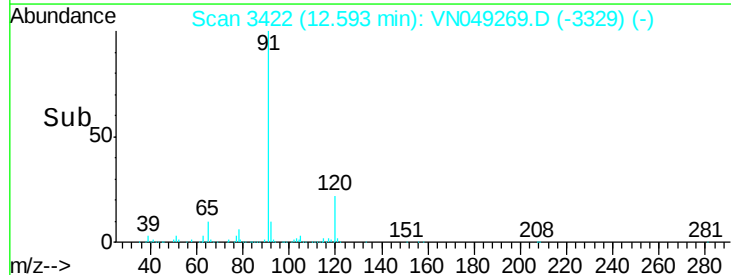
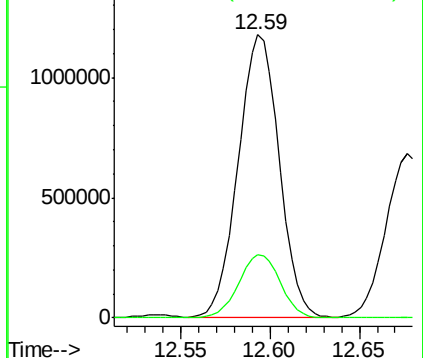
Acq: 15 Jun 2018 19:42

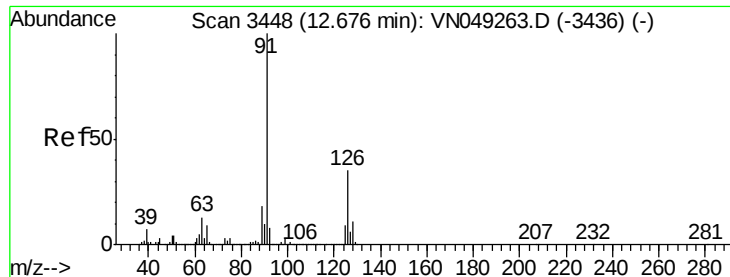
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1874285 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 22.6  | 11.2  | 33.5    |



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.97 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBSD01

Tot Ion: 91 Resp: 1144648

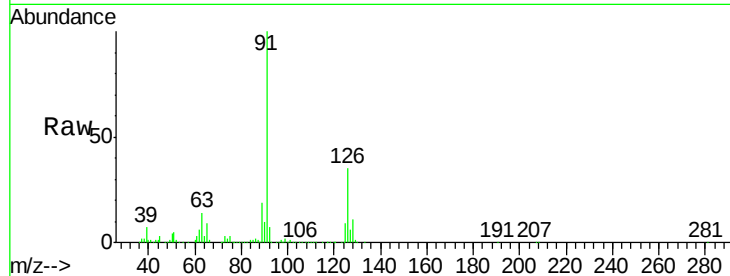
Ion Ratio Lower Upper

91 100

126 34.8 16.6 49.8

Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): VN049269.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049269.D (-3436) (-)

800000

600000

400000

200000

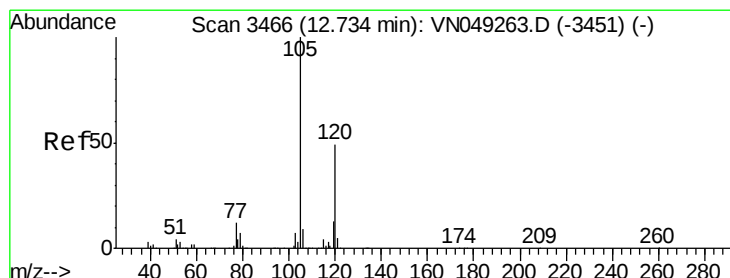
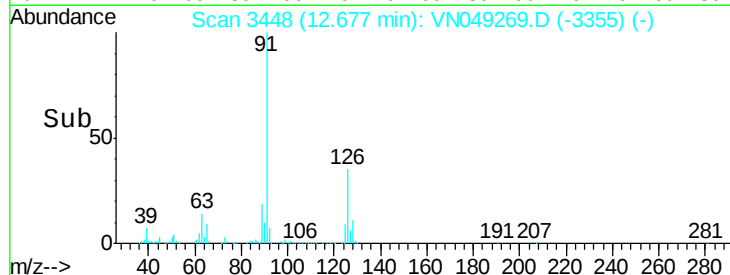
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.98 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049269.D

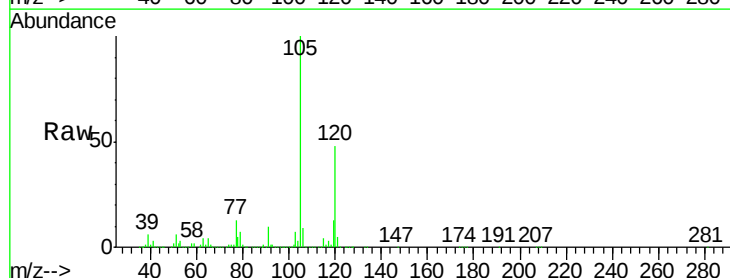
Acq: 15 Jun 2018 19:42

Tgt Ion: 105 Resp: 1358862

Ion Ratio Lower Upper

105 100

120 49.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049269.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049269.D (-3373) (-)

1000000

800000

600000

400000

200000

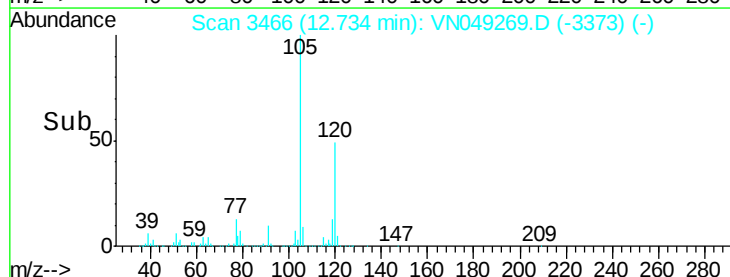
0

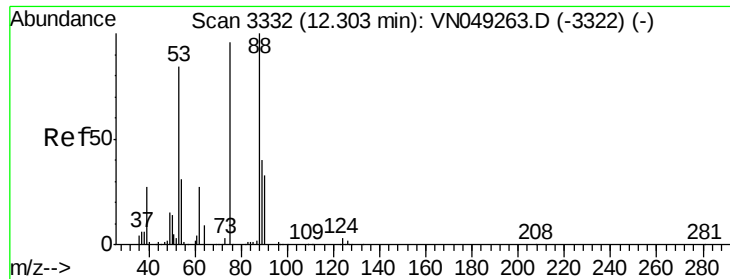
12.70

12.73

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.22 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

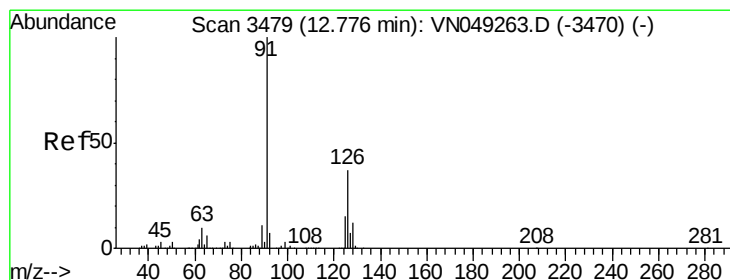
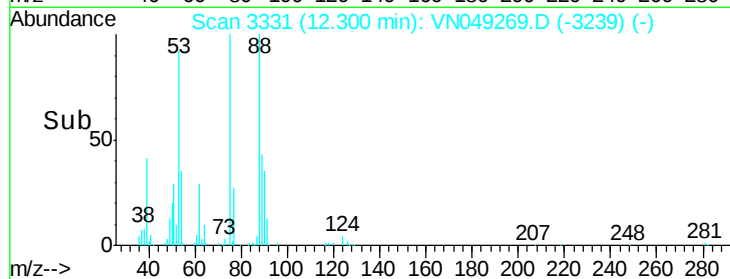
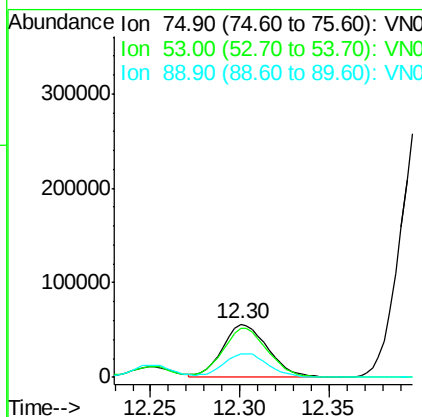
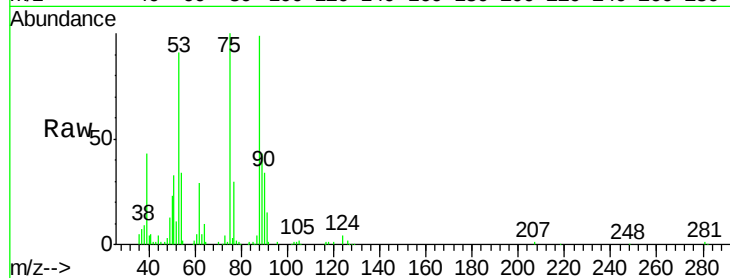
ClientSampleId :

VN0616WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 97408 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 93.9  | 82.7  | 124.1 |
| 89        | 45.0  | 36.5  | 54.7  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 20.36 ug/l

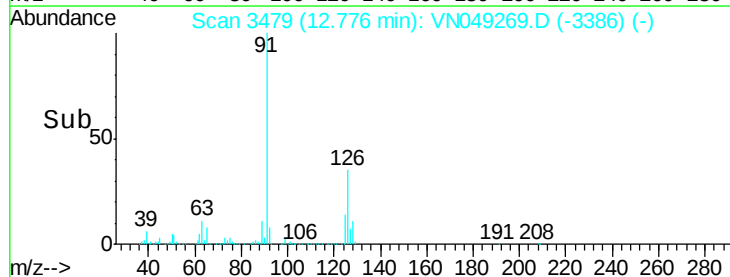
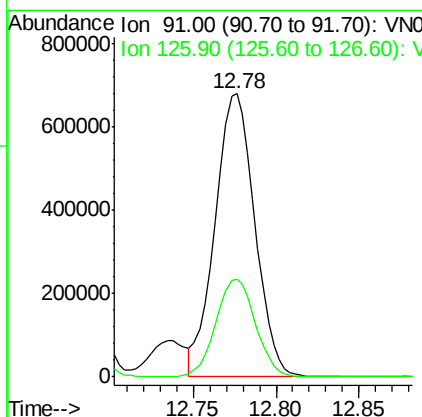
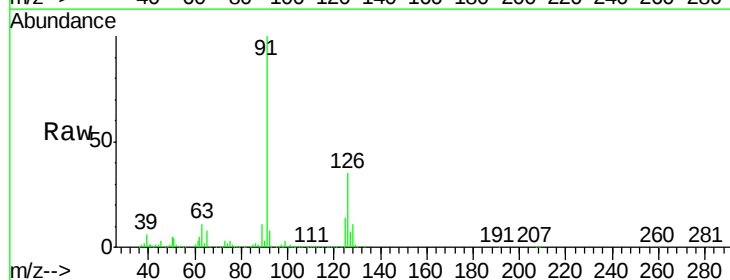
RT: 12.78 min Scan# 3479

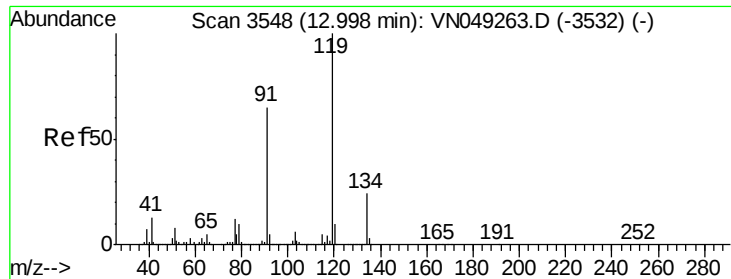
Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1126062 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 126       | 34.6  | 16.4  | 49.1    |





#83

tert-Butylbenzene

Concen: 20.11 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VN0616WBSD01

Tot Ion:119 Resp: 1153866

Ion Ratio Lower Upper

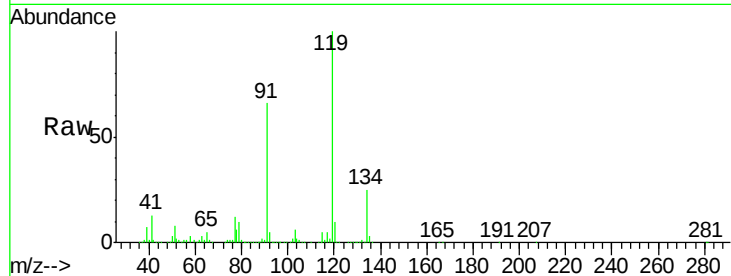
119 100

91 64.5 33.7 101.0

134 26.3 12.9 38.6

Manual Integrations  
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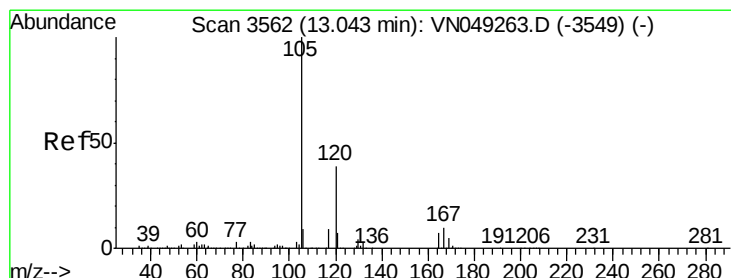
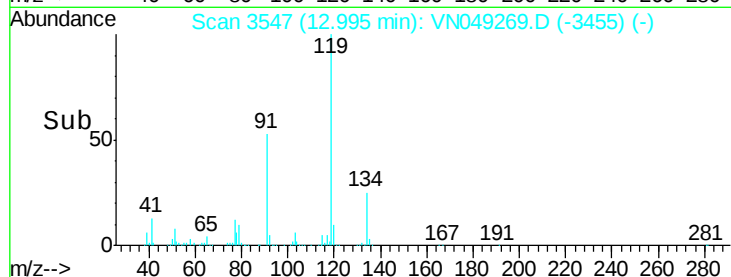
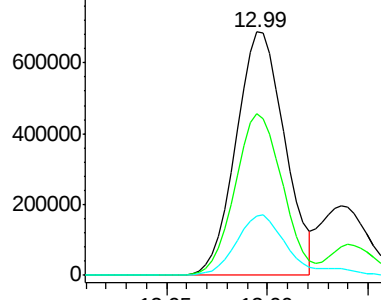
MMDadoda  
6/18/2018 3:16:15 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.06 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049269.D

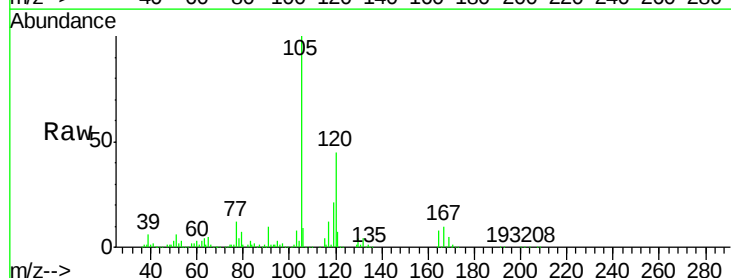
Acq: 15 Jun 2018 19:42

Tgt Ion:105 Resp: 1354852

Ion Ratio Lower Upper

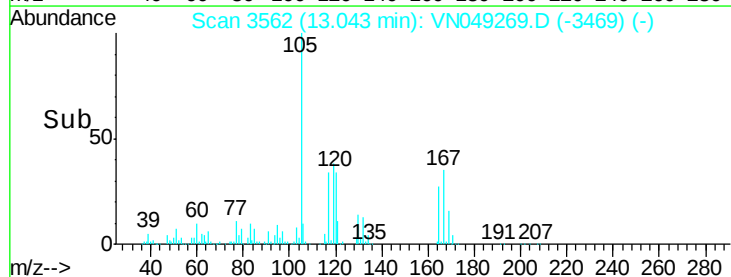
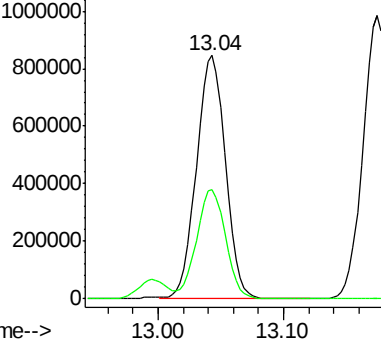
105 100

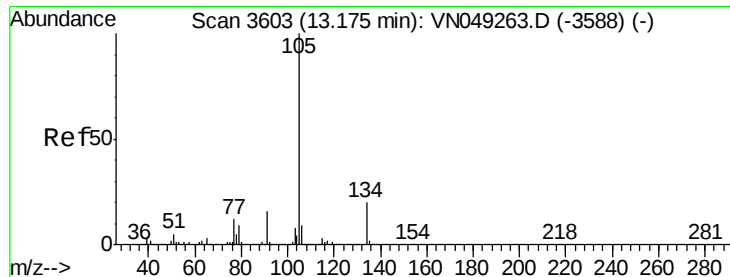
120 45.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.28 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

Instrument :

MSVOA\_N

ClientSampled :

VN0616WBSD01

Tot Ion:105 Resp: 1549250

Ion Ratio Lower Upper

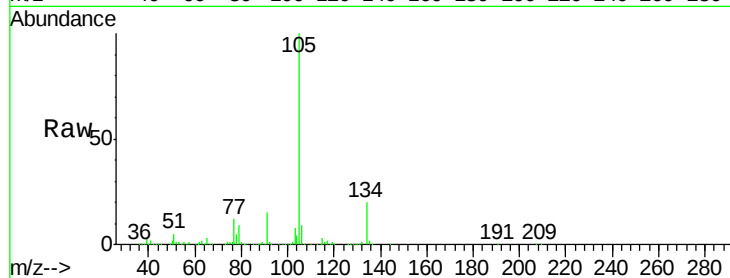
105 100

134 19.5 9.8 29.3

Manual Integrations  
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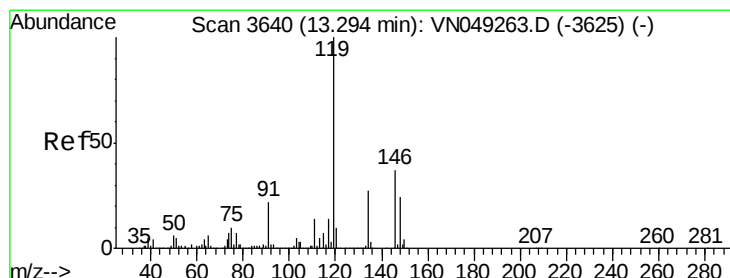
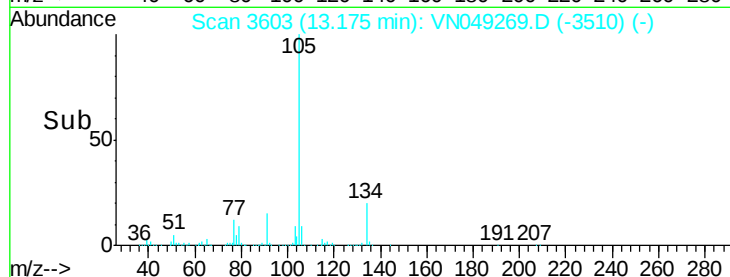
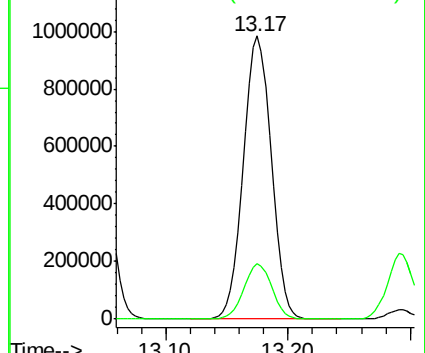
MMDadoda

6/18/2018 3:16:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.28 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049269.D

Acq: 15 Jun 2018 19:42

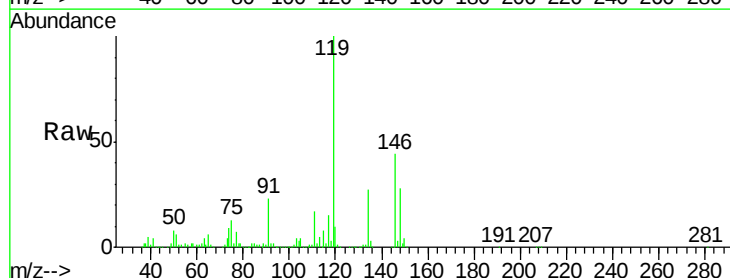
Tgt Ion:119 Resp: 1293765

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

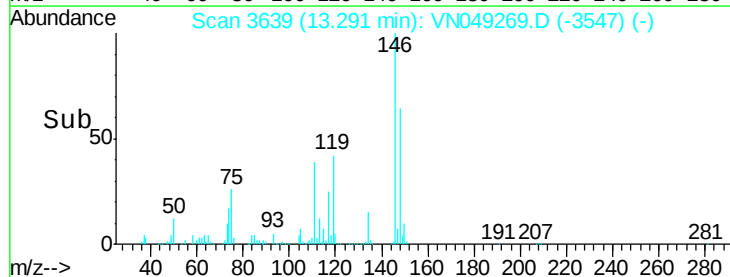
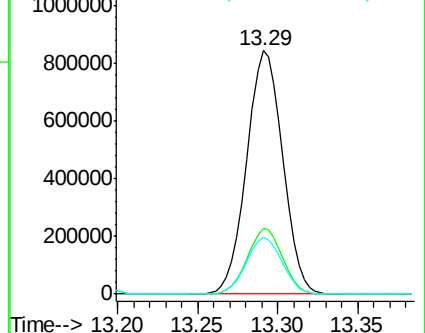
91 23.0 12.1 36.3



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





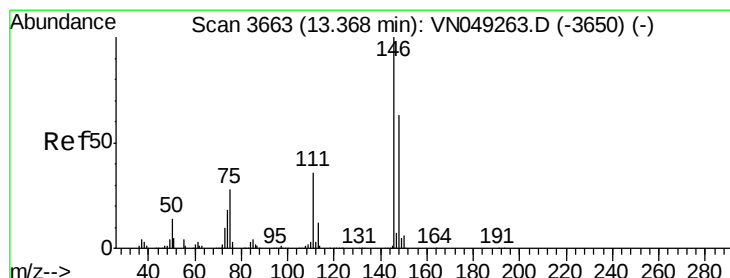
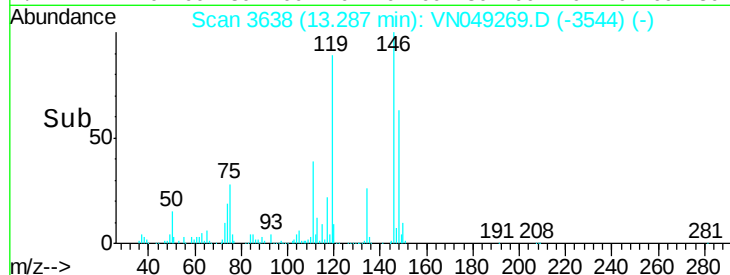
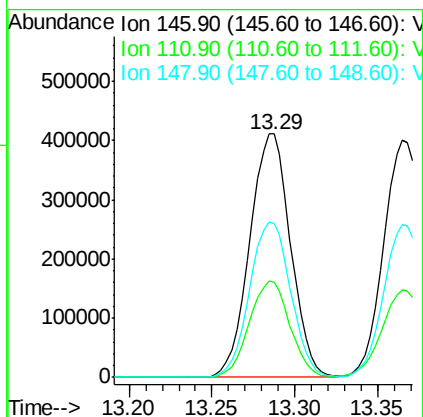
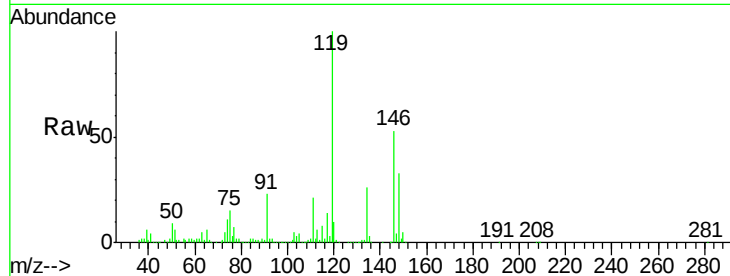
#87  
 1,3-Dichlorobenzene  
 Concen: 19.61 ug/l  
 RT: 13.29 min Scan# 3638  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 19.9  | 59.6  |
| 148     | 64.3  | 32.1  | 96.5  |

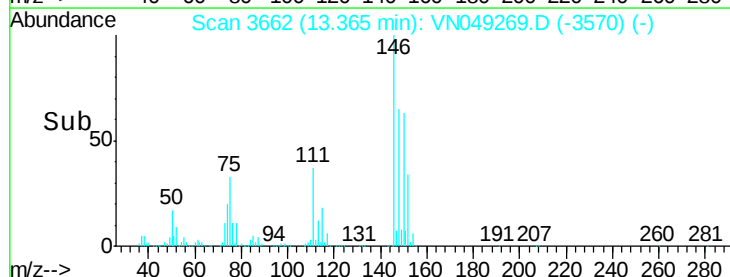
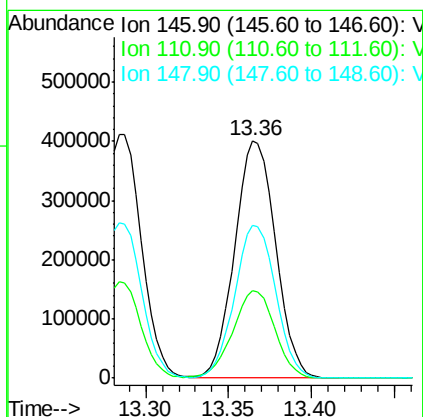
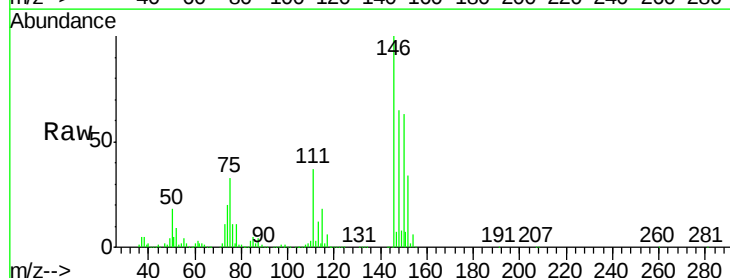
Manual Integrations  
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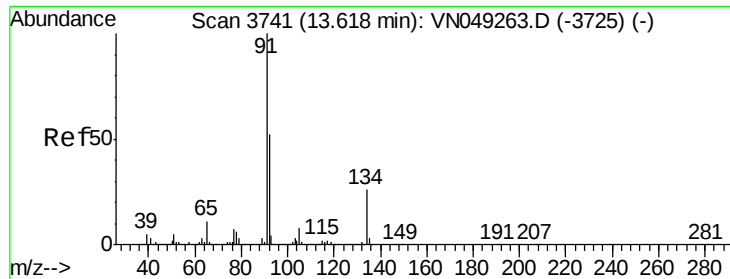
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 19.34 ug/l  
 RT: 13.36 min Scan# 3662  
 Delta R.T. -0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 19.1  | 57.1  |
| 148     | 64.8  | 32.0  | 96.2  |





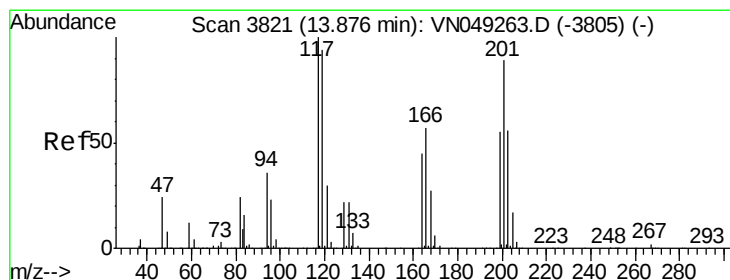
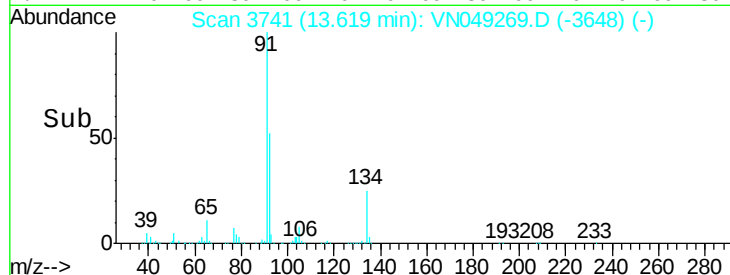
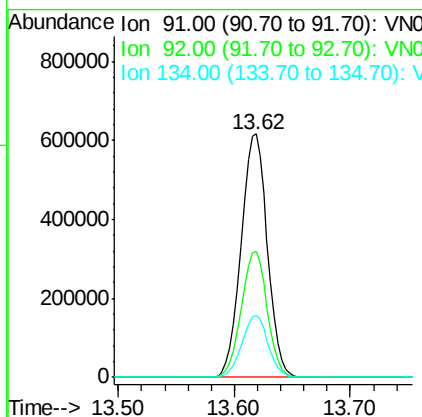
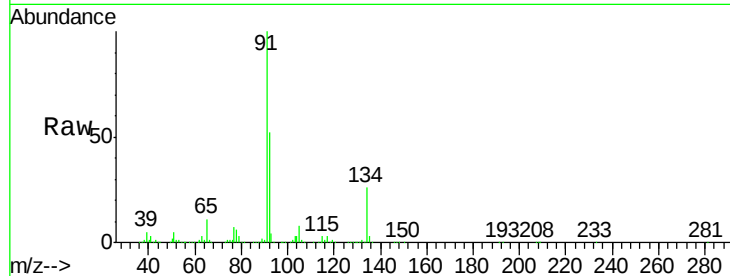
#89  
n-Butylbenzene  
Concen: 19.35 ug/l  
RT: 13.62 min Scan# 3741  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.1  | 25.1  | 75.4  |
| 134     | 25.5  | 12.0  | 36.0  |

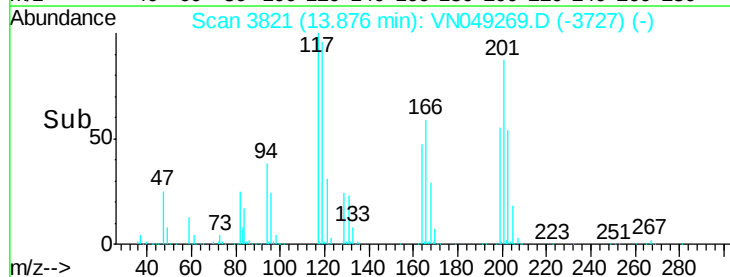
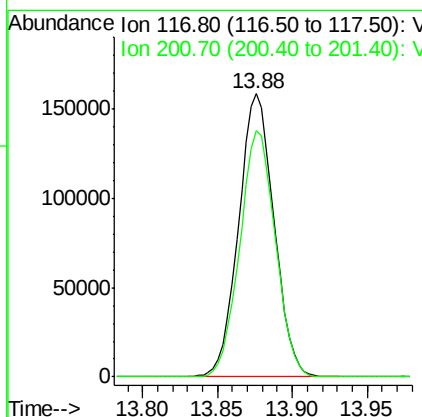
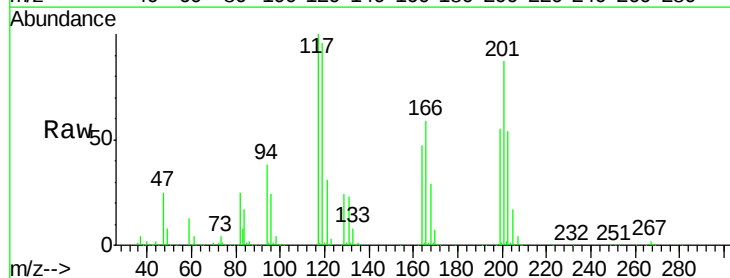
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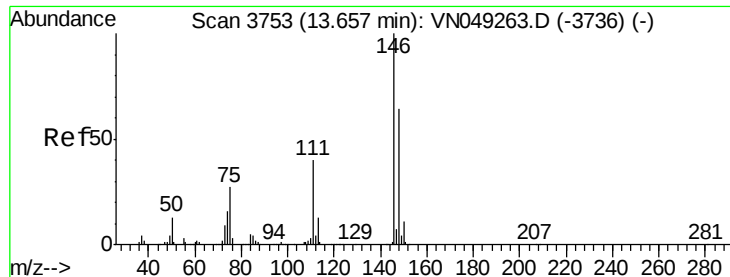
MMDadoda  
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#90  
Hexachloroethane  
Concen: 20.62 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 87.5  | 40.1  | 120.2 |





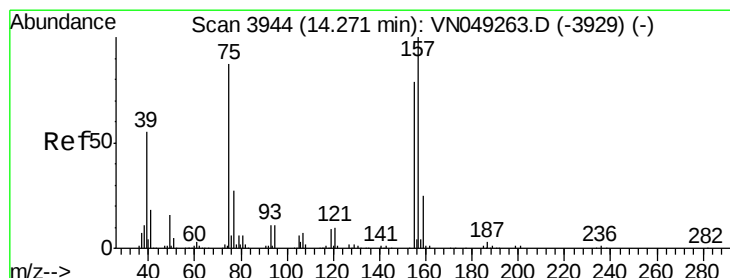
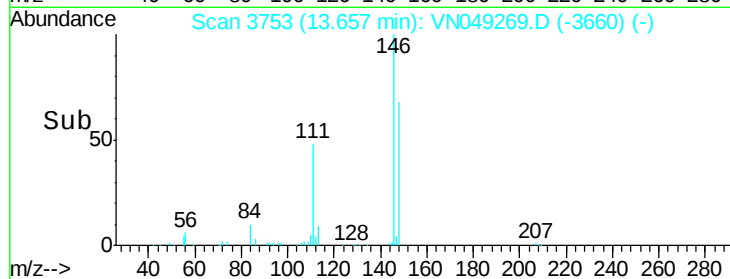
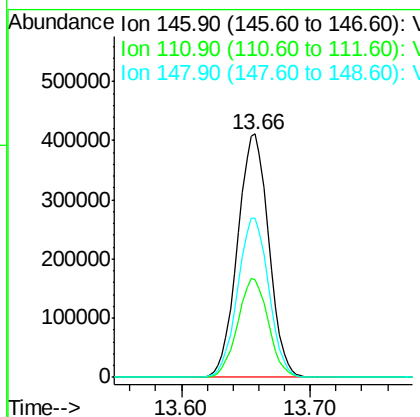
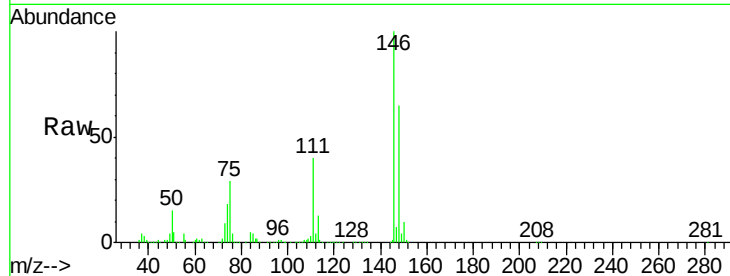
#91  
 1,2-Dichlorobenzene  
 Concen: 19.70 ug/l  
 RT: 13.66 min Scan# 3753  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.9  | 20.8  | 62.2  |
| 148     | 65.2  | 32.0  | 96.2  |

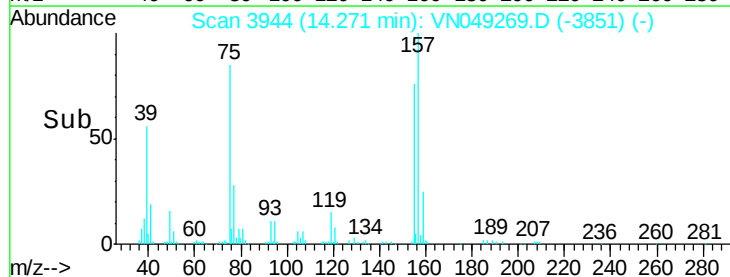
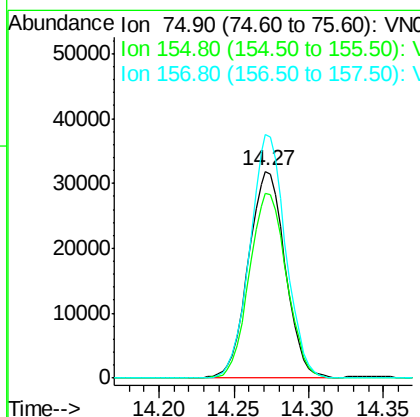
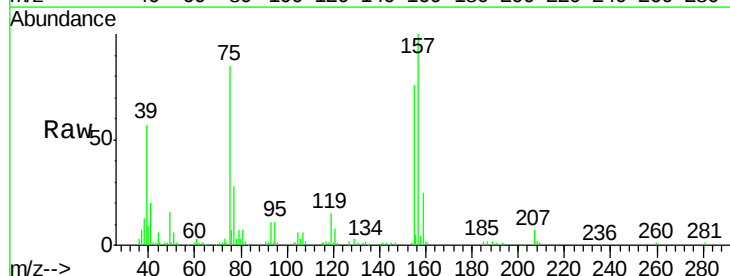
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.99 ug/l  
 RT: 14.27 min Scan# 3944  
 Delta R.T. 0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 90.3  | 38.8  | 116.3 |
| 157     | 114.1 | 51.0  | 153.1 |





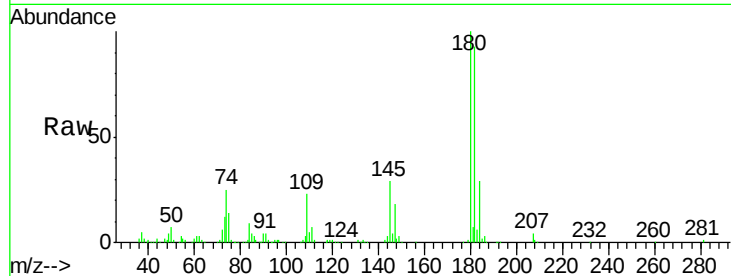
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.53 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. -0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0616WBSD01

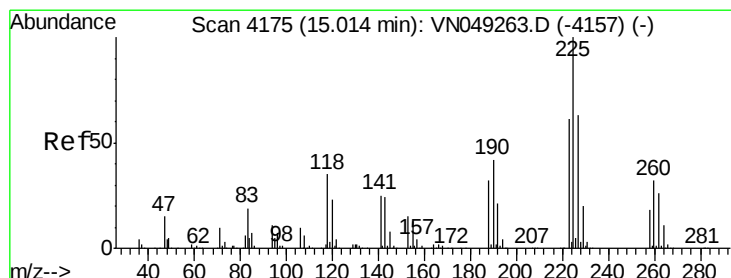
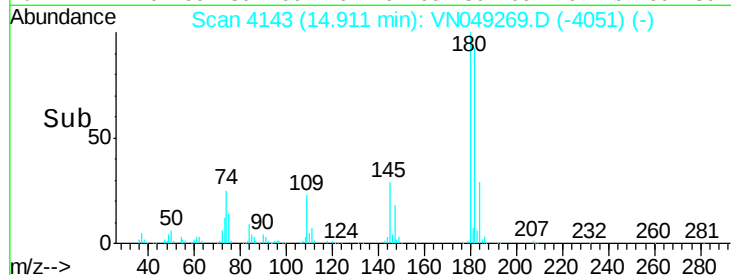
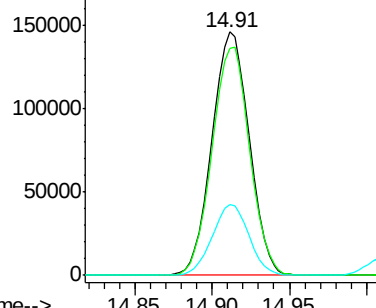
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 245194 |       |       |
| 182     | 94.6  | 46.9   | 140.8 |       |
| 145     | 28.8  | 14.7   | 44.1  |       |

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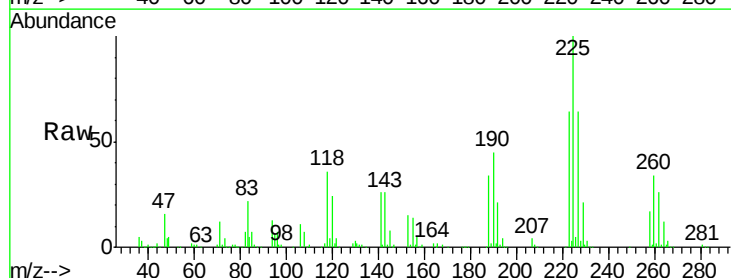


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

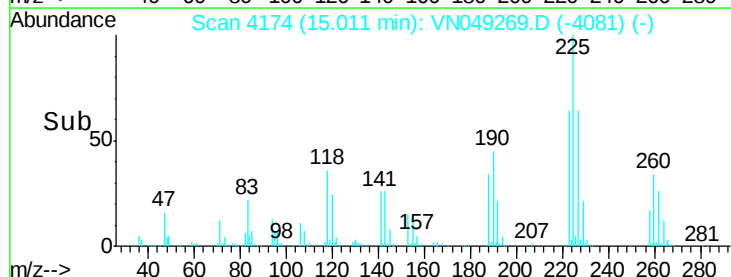
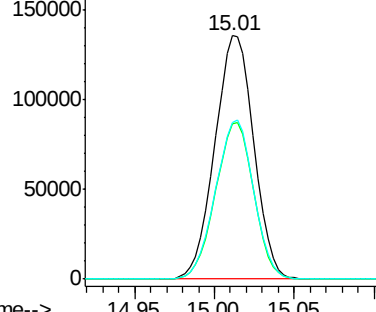


#94  
 Hexachlorobutadiene  
 Concen: 20.40 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN049269.D  
 Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 226049 |       |       |
| 223     | 63.0  | 32.1   | 96.3  |       |
| 227     | 64.0  | 31.8   | 95.3  |       |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





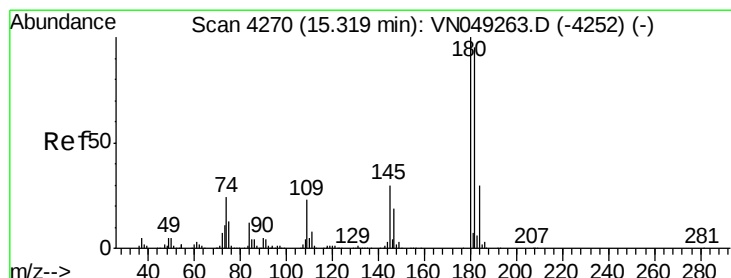
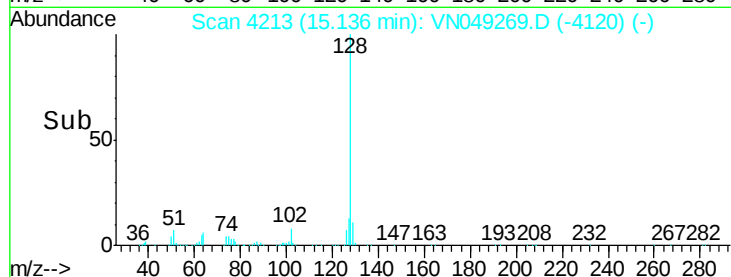
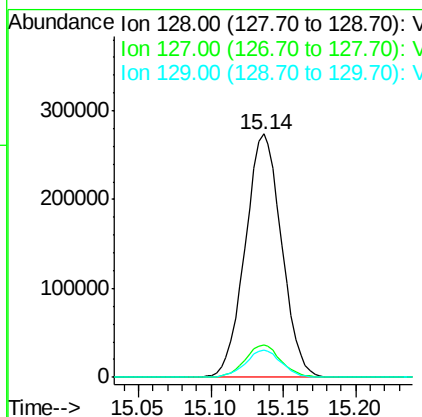
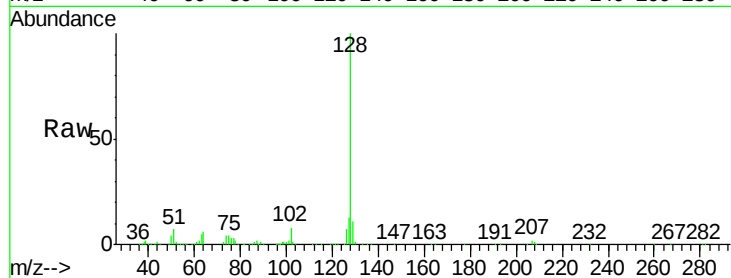
#95  
Naphthalene  
Concen: 19.56 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0616WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 478392 |       |       |
| 127     | 13.1  | 10.6   | 16.0  |       |
| 129     | 11.0  | 8.5    | 12.7  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.38 ug/l  
RT: 15.32 min Scan# 4269  
Delta R.T. -0.00 min  
Lab File: VN049269.D  
Acq: 15 Jun 2018 19:42

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 269222 |       |       |
| 182     | 94.7  | 47.3   | 141.8 |       |
| 145     | 31.0  | 15.6   | 46.7  |       |

