

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\  
 Data File : VX003716.D  
 Acq On : 27 Jul 2018 14:51  
 Operator : JC/SP  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

MMDadoda  
 7/30/2018 3:42:30 PM

Quant Time: Jul 28 02:21:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jul 27 14:47:33 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.02  | 128  | 19708    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.87  | 114  | 110011   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.12 | 117  | 105656   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.07   | 65    | 44618    | 33.15    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 110.50% |
| 60) 4-Bromofluorobenzene  | 11.14  | 95    | 51243    | 30.18    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 100.60% |
| 63) Toluene-d8            | 8.72   | 98    | 136053   | 29.13    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 97.10%  |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 103559 | 69.222  | ug/l 99    |
| 3) Chloromethane              | 1.32 | 50  | 143345 | 96.475  | ug/l 97    |
| 4) Vinyl Chloride             | 1.40 | 62  | 152099 | 93.886  | ug/l 100   |
| 5) Bromomethane               | 1.64 | 94  | 86757  | 129.158 | ug/l 99    |
| 6) Chloroethane               | 1.71 | 64  | 102331 | 105.981 | ug/l 96    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 205540 | 95.233  | ug/l 100   |
| 8) Diethyl Ether              | 2.19 | 74  | 87443  | 99.073  | ug/l 98    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 123261 | 93.297  | ug/l 95    |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 117691 | 96.004  | ug/l 97    |
| 11) Methyl Iodide             | 2.51 | 142 | 174336 | 134.397 | ug/l 96    |
| 12) Methyl Acetate            | 2.78 | 43  | 224422 | 112.761 | ug/l 97    |
| 13) Acrolein                  | 2.29 | 56  | 99793  | 645.307 | ug/l 99    |
| 14) Acrylonitrile             | 3.15 | 53  | 430374 | 574.594 | ug/l 100   |
| 15) Acetone                   | 2.45 | 58  | 114988 | 585.617 | ug/l 84    |
| 16) Carbon Disulfide          | 2.56 | 76  | 332751 | 95.025  | ug/l 99    |
| 17) Allyl chloride            | 2.73 | 41  | 246909 | 105.888 | ug/l 92    |
| 18) Methylene Chloride        | 2.86 | 84  | 135644 | 94.289  | ug/l 99    |
| 19) trans-1,2-Dichloroethene  | 3.16 | 96  | 125565 | 94.981  | ug/l 97    |
| 20) Diisopropyl ether         | 3.88 | 45  | 460289 | 109.246 | ug/l 97    |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 251584 | 101.813 | ug/l 99    |
| 22) cis-1,2-Dichloroethene    | 4.60 | 96  | 121896 | 86.726  | ug/l # 76  |
| 23) tert-Butyl Alcohol        | 3.09 | 59  | 182182 | 585.814 | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 3.21 | 73  | 424020 | 103.567 | ug/l 92    |
| 25) Chloroform                | 5.22 | 83  | 207123 | 93.077  | ug/l 99    |
| 26) Cyclohexane               | 5.57 | 56  | 192149 | 99.613  | ug/l # 97  |
| 29) 1,1-Dichloropropene       | 5.80 | 75  | 161168 | 92.914  | ug/l 99    |
| 30) 2-Butanone                | 4.71 | 43  | 496157 | 511.919 | ug/l 96    |
| 31) 2,2-Dichloropropane       | 4.59 | 77  | 149627 | 79.871  | ug/l 100   |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 182587 | 92.978  | ug/l 100   |
| 33) Carbon Tetrachloride      | 5.78 | 117 | 159716 | 92.672  | ug/l 97    |
| 34) Benzene                   | 6.15 | 78  | 479262 | 93.830  | ug/l 100   |
| 35) Methacrylonitrile         | 5.07 | 41  | 106355 | 103.722 | ug/l 93    |
| 36) 1,2-Dichloroethane        | 6.20 | 62  | 174820 | 98.424  | ug/l 98    |
| 37) Trichloroethene           | 7.21 | 130 | 134972 | 95.556  | ug/l 97    |
| 38) Methylcyclohexane         | 7.46 | 83  | 191538 | 97.695  | ug/l 98    |
| 39) 1,2-Dichloropropane       | 7.52 | 63  | 130263 | 98.701  | ug/l 96    |
| 40) Dibromomethane            | 7.67 | 93  | 84133  | 97.071  | ug/l 95    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072718\  
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 Operator : JC/SP  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDICC100

Manual Integrations  
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 7/30/2018 3:42:30 PM

Quant Time: Jul 28 02:21:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jul 27 14:47:33 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| -----                          |       |      |          |          |        |          |
| 41) Bromodichloromethane       | 7.90  | 83   | 169870   | 104.885  | ug/l   | 98       |
| 42) Vinyl Acetate              | 3.83  | 43   | 2014779  | 541.102  | ug/l   | 100      |
| 43) Ethyl Acetate              | 4.87  | 43   | 188195   | 102.227  | ug/l   | 97       |
| 44) Isopropyl Acetate          | 6.47  | 43   | 301352   | 106.798  | ug/l   | 97       |
| 45) 1,4-Dioxane                | 7.76  | 88   | 67347    | 2236.101 | ug/l # | 86       |
| 46) Methyl methacrylate        | 7.78  | 41   | 159039   | 108.993  | ug/l   | 94       |
| 47) n-amyl Acetate             | 10.90 | 43   | 289547   | 119.134  | ug/l # | 90       |
| 48) t-1,3-Dichloropropene      | 8.44  | 75   | 193398   | 98.115   | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene    | 9.05  | 75   | 188844   | 105.791  | ug/l   | 93       |
| 50) 1,1,2-Trichloroethane      | 9.22  | 97   | 127583   | 97.596   | ug/l   | 99       |
| 51) Ethyl methacrylate         | 9.18  | 69   | 207631   | 108.988  | ug/l   | 90       |
| 52) 1,3-Dichloropropane        | 9.38  | 76   | 217938   | 101.503  | ug/l   | 99       |
| 53) Dibromochloromethane       | 9.59  | 129  | 133619   | 102.278  | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 9.68  | 107  | 141770   | 104.575  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether  | 8.32  | 63   | 513585   | 571.418  | ug/l   | 99       |
| 56) Bromoform                  | 10.86 | 173  | 101440   | 101.555  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone       | 8.66  | 43   | 1000757  | 531.716  | ug/l   | 95       |
| 59) 2-Hexanone                 | 9.50  | 43   | 826393   | 573.276  | ug/l   | 94       |
| 61) Tetrachloroethene          | 9.34  | 164  | 122143   | 75.532   | ug/l   | 98       |
| 62) Toluene                    | 8.79  | 91   | 516467   | 89.596   | ug/l   | 99       |
| 64) Chlorobenzene              | 10.14 | 112  | 342011   | 89.597   | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 122620   | 90.564   | ug/l   | 98       |
| 66) Ethyl Benzene              | 10.26 | 91   | 617114   | 96.881   | ug/l   | 100      |
| 67) m/p-Xylenes                | 10.36 | 106  | 457347   | 184.521  | ug/l   | 100      |
| 68) o-Xylene                   | 10.70 | 106  | 218489   | 91.619   | ug/l   | 99       |
| 69) Styrene                    | 10.71 | 104  | 377557   | 95.241   | ug/l   | 98       |
| 70) Isopropylbenzene           | 11.02 | 105  | 656731   | 103.858  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 232133   | 117.050  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane     | 11.30 | 75   | 197644m  | 85.206   | ug/l   |          |
| 73) Bromobenzene               | 11.26 | 156  | 176933   | 100.661  | ug/l   | 99       |
| 74) n-propylbenzene            | 11.37 | 91   | 767103   | 104.155  | ug/l   | 100      |
| 75) 2-Chlorotoluene            | 11.43 | 91   | 425984   | 96.695   | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 541576   | 101.213  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene    | 11.08 | 75   | 68537    | 123.720  | ug/l   | 98       |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 511084   | 99.314   | ug/l   | 100      |
| 79) tert-butylbenzene          | 12.07 | 119  | 549406   | 96.948   | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 563026   | 103.552  | ug/l   | 98       |
| 81) sec-Butylbenzene           | 11.95 | 105  | 635593   | 100.401  | ug/l   | 99       |
| 82) p-Isopropyltoluene         | 12.07 | 119  | 549406   | 96.948   | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 12.03 | 146  | 295984   | 90.885   | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 298201   | 90.720   | ug/l   | 100      |
| 85) n-Butylbenzene             | 12.39 | 91   | 507138   | 101.925  | ug/l   | 99       |
| 86) Hexachloroethane           | 12.60 | 117  | 89661    | 107.482  | ug/l   | 93       |
| 87) 1,2-Dichlorobenzene        | 12.40 | 146  | 299476   | 91.991   | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 48780    | 118.394  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 215752   | 92.308   | ug/l   | 100      |
| 90) Hexachlorobutadiene        | 13.79 | 225  | 93531    | 81.672   | ug/l   | 99       |
| 91) Naphthalene                | 13.84 | 128  | 686299   | 101.814  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 218819   | 92.347   | ug/l   | 100      |
| -----                          |       |      |          |          |        |          |

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Acq On : 27 Jul 2018 14:51  
Operator : JC/SP  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Manual Integrations  
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7/30/2018 3:42:30 PM

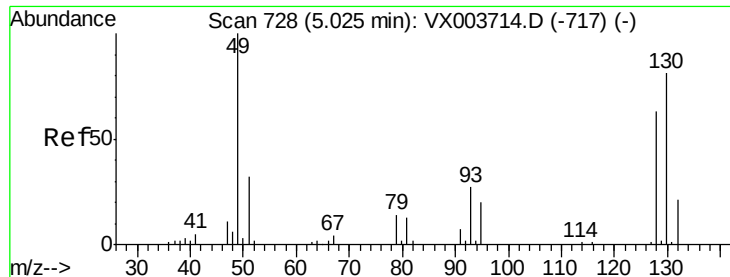
Quant Time: Jul 28 02:21:04 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Jul 27 14:47:33 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

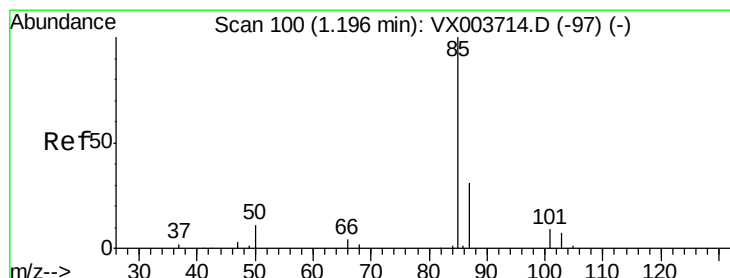
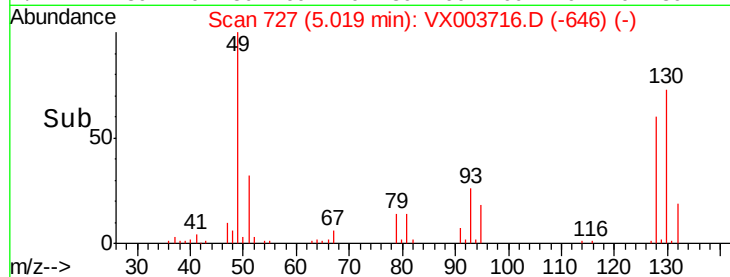
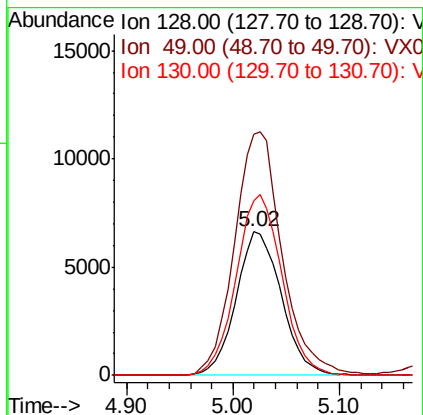
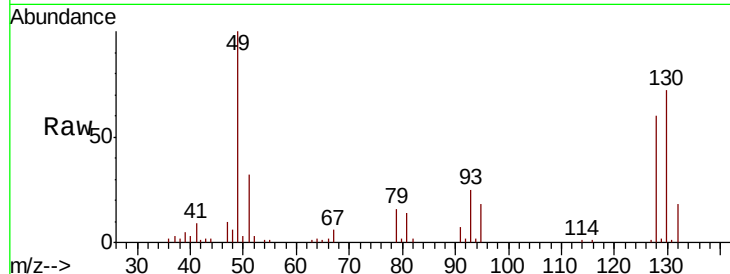
ClientSampleId :

VSTDIC100

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 19708 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 178.8 | 0.0   | 423.0 |
| 130      | 127.8 | 0.0   | 324.3 |

Manual Integrations  
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#2

Dichlorodifluoromethane

Concen: 69.222 ug/l

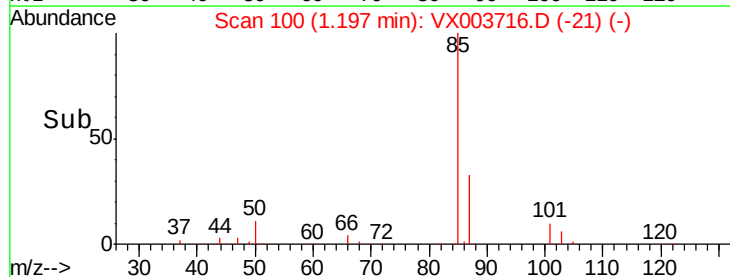
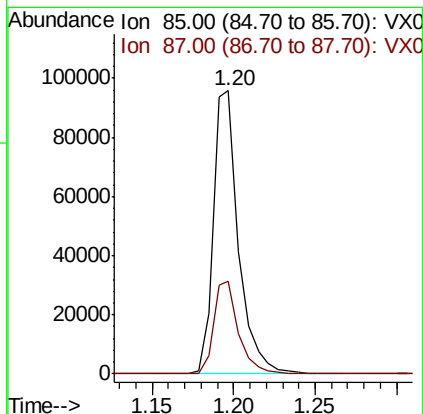
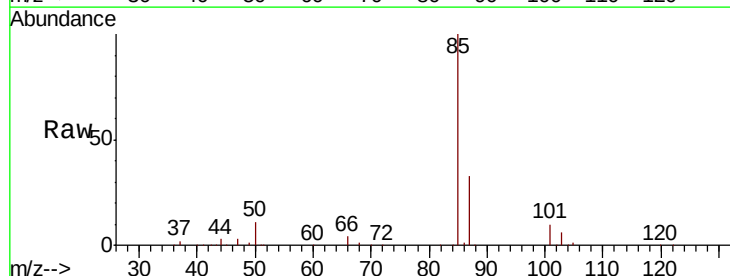
RT: 1.20 min Scan# 100

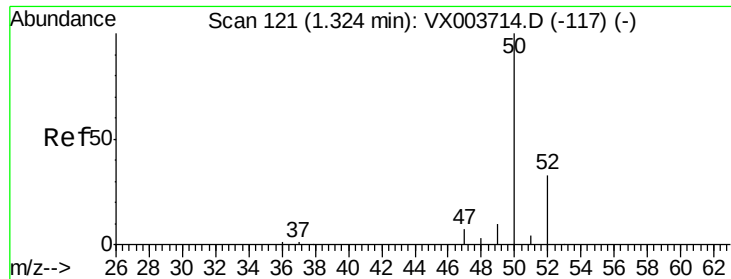
Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 103559 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 32.7  | 16.2  | 48.5   |





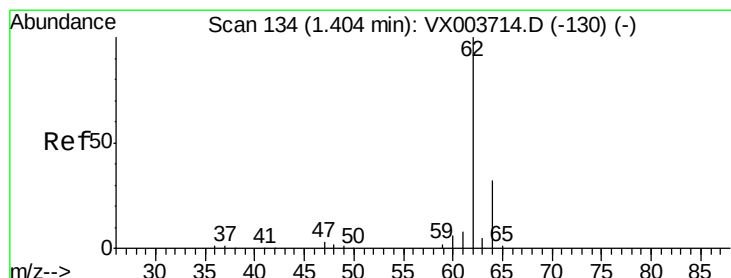
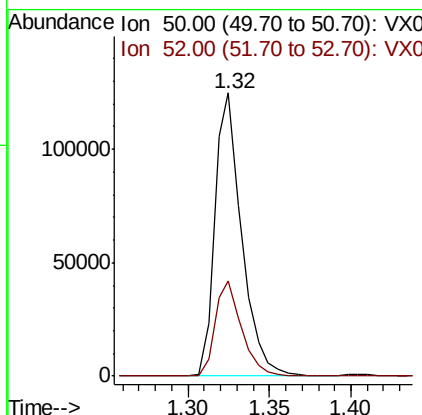
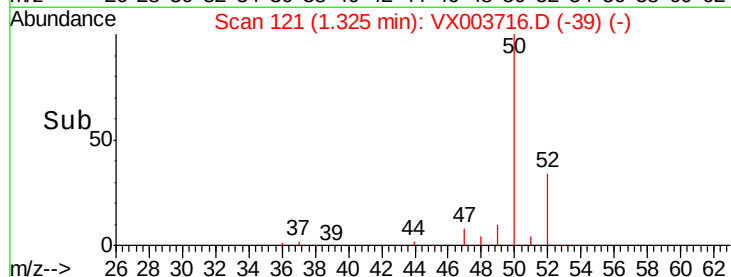
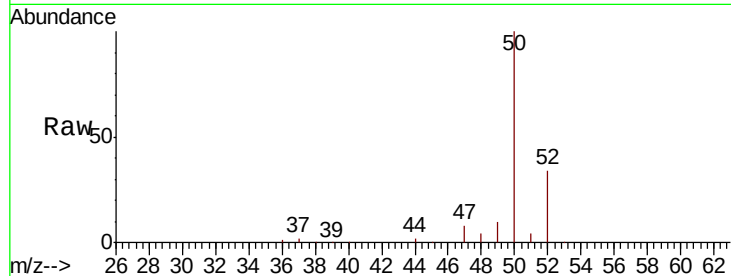
#3  
Chloromethane  
Concen: 96.475 ug/l  
RT: 1.32 min Scan# 121  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 50      | 100   |       |       |
| 52      | 33.5  | 25.6  | 38.4  |

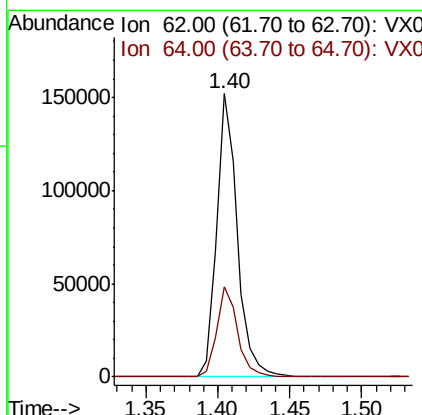
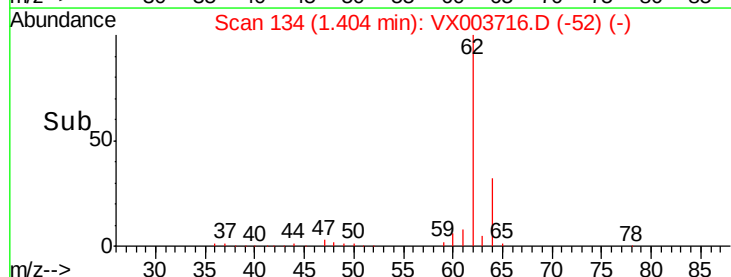
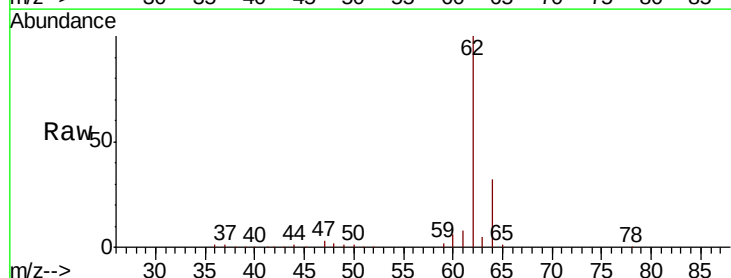
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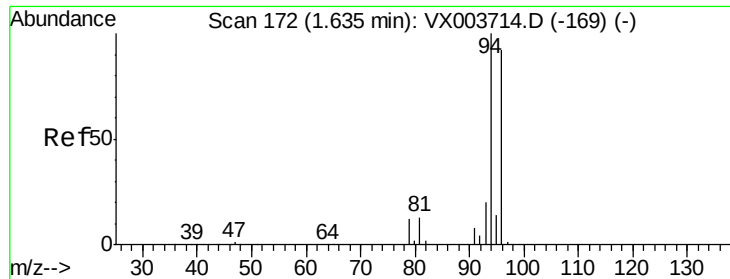
MMDadoda  
7/30/2018 3:42:30 PM



#4  
Vinyl Chloride  
Concen: 93.886 ug/l  
RT: 1.40 min Scan# 134  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 64      | 31.9  | 25.3  | 37.9  |





#5

Bromomethane

Concen: 129.158 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 86757

Ion Ratio Lower Upper

94 100

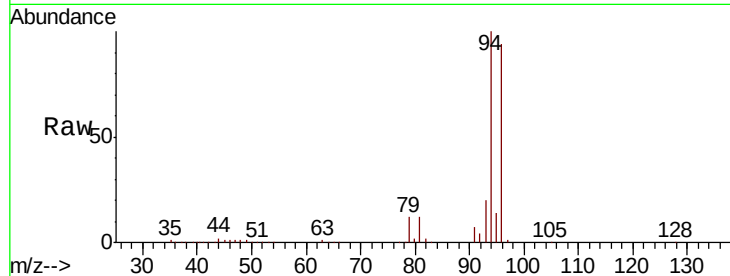
96 93.9 75.7 113.5

Manual Integrations

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7/30/2018 3:42:30 PM



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

100000

80000

60000

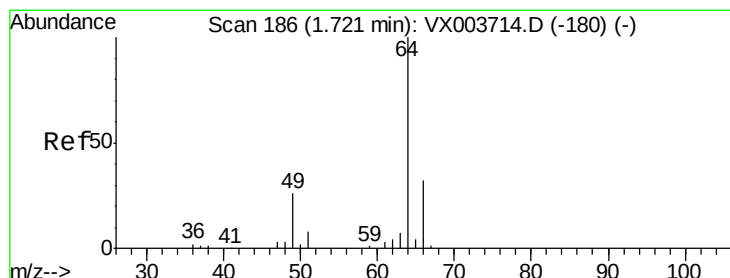
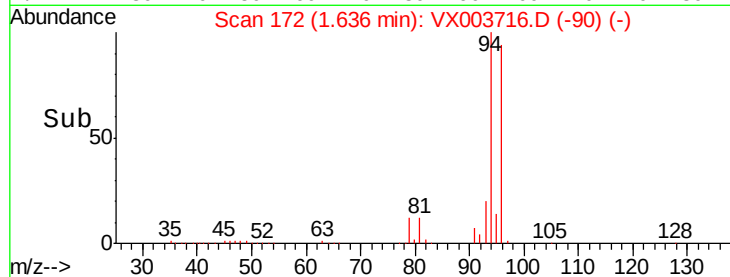
40000

20000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 105.981 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX003716.D

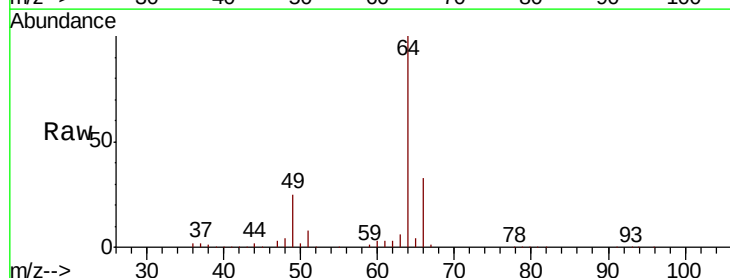
Acq: 27 Jul 2018 14:51

Tgt Ion: 64 Resp: 102331

Ion Ratio Lower Upper

64 100

66 32.7 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

80000

60000

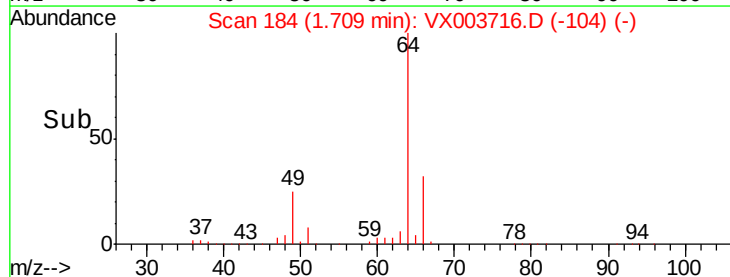
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20000

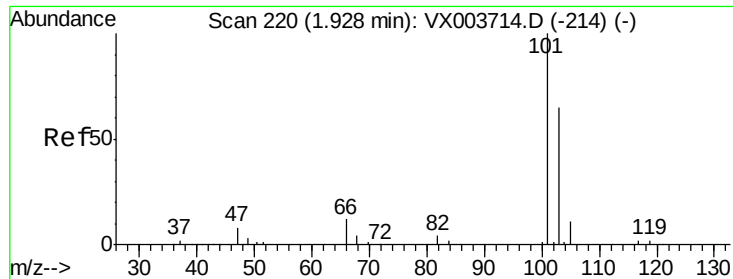
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1.65 1.70 1.75 1.80

Time-->







#7

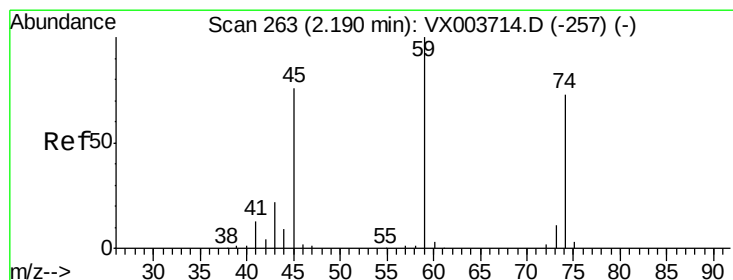
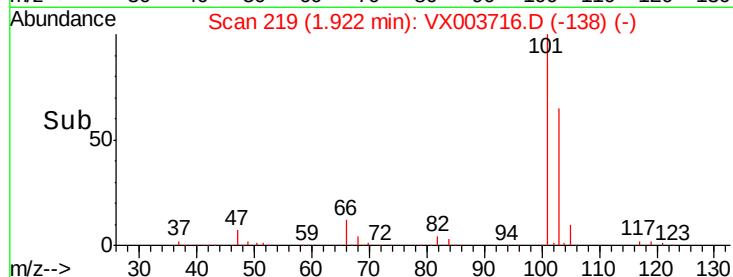
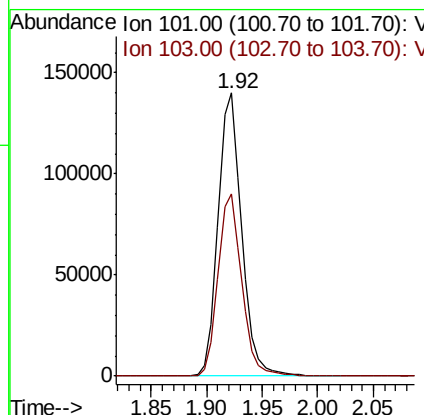
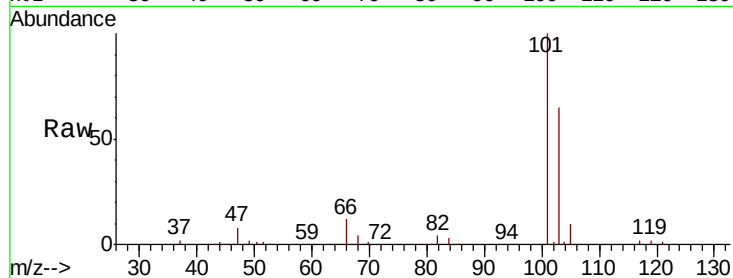
Trichlorofluoromethane  
Concen: 95.233 ug/l  
RT: 1.92 min Scan# 219  
Delta R.T. -0.01 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.6  | 51.5  | 77.3  |

Manual Integrations  
APPROVED

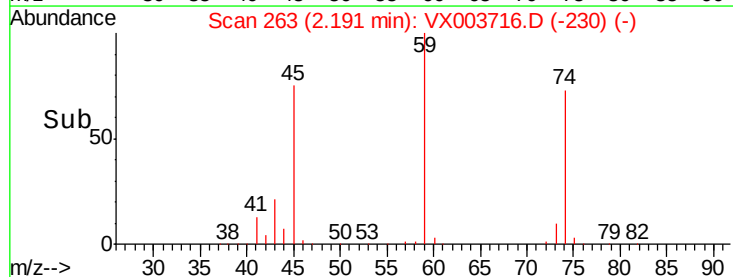
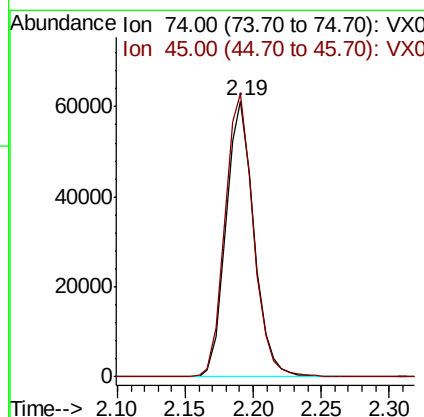
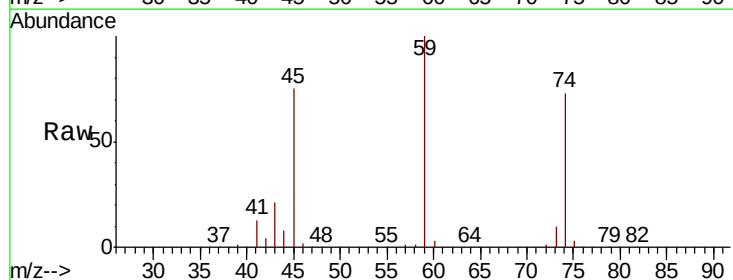
MMDadoda  
7/30/2018 3:42:30 PM



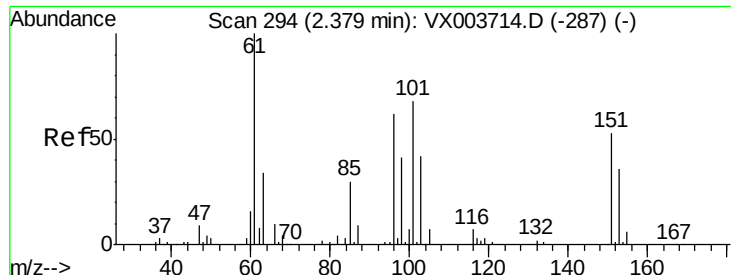
#8

Diethyl Ether  
Concen: 99.073 ug/l  
RT: 2.19 min Scan# 263  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.2 | 20.5  | 184.5 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.297 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

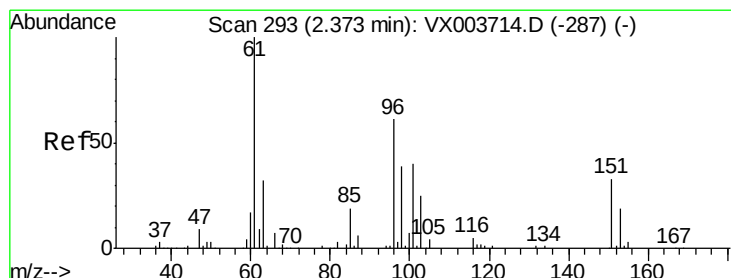
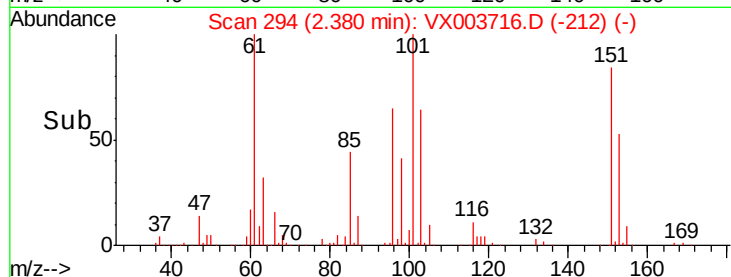
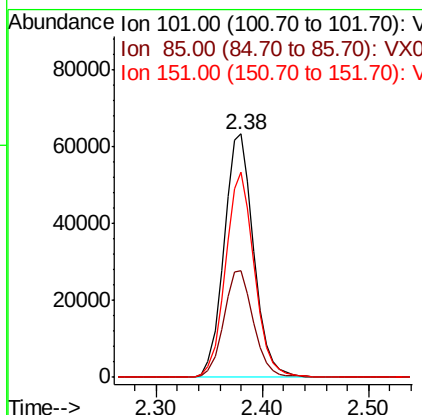
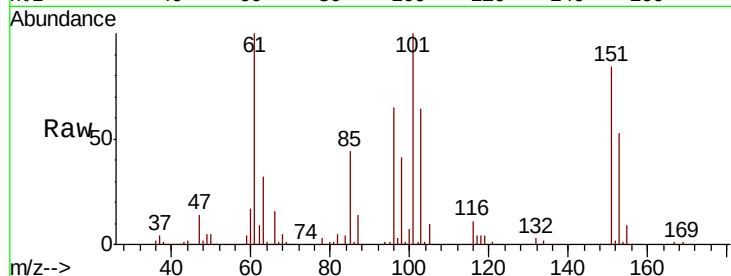
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 123261 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.0  | 0.0   | 87.0   |
| 151       | 82.1  | 0.0   | 177.6  |

Manual Integrations  
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7/30/2018 3:42:30 PM



#10

1,1-Dichloroethene

Concen: 96.004 ug/l

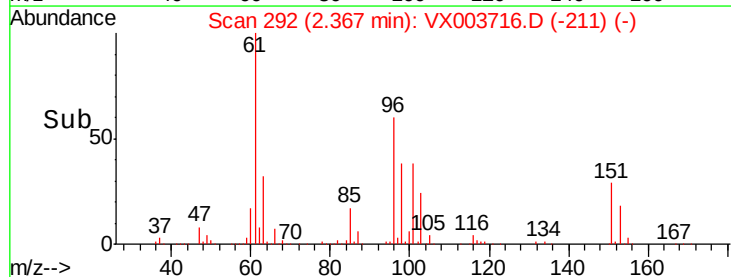
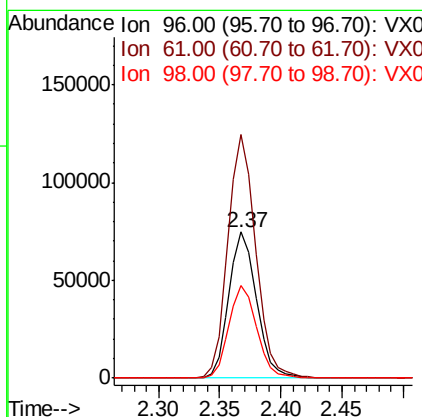
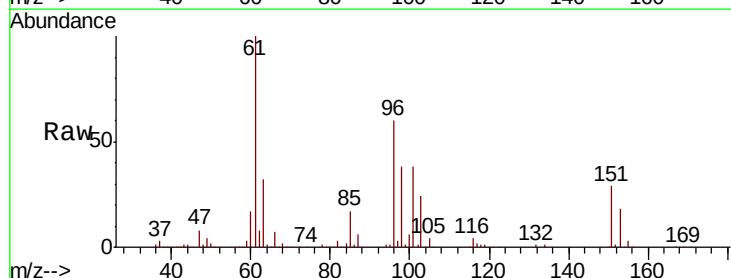
RT: 2.37 min Scan# 292

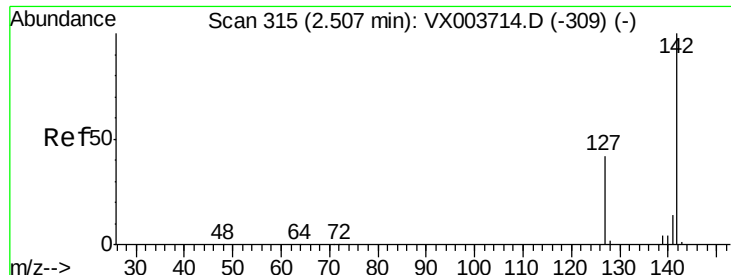
Delta R.T. -0.01 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 117691 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 166.6 | 137.5 | 206.3  |
| 98        | 63.2  | 51.4  | 77.2   |





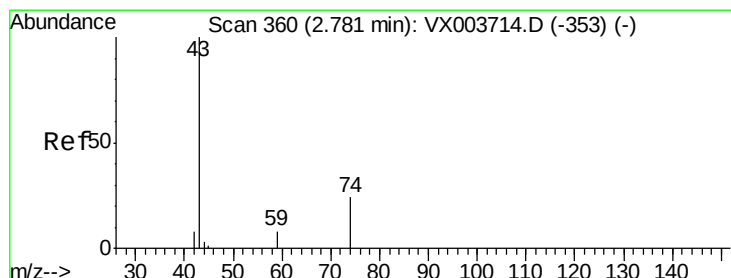
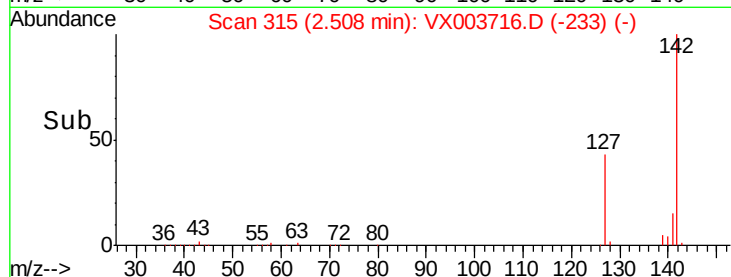
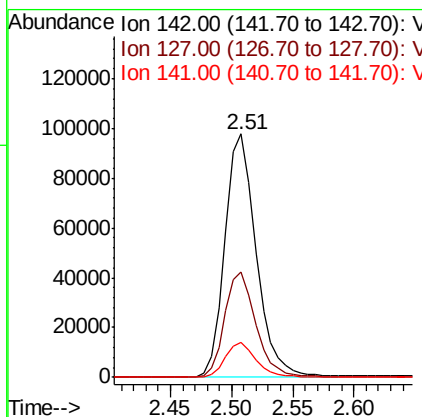
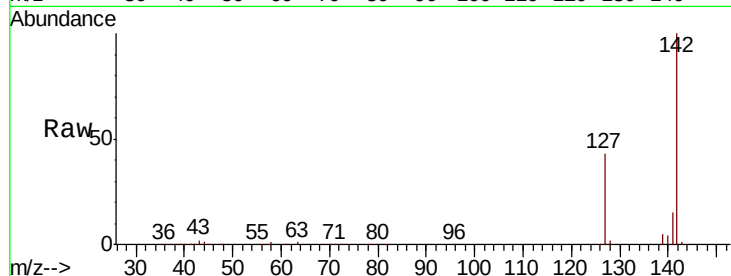
#11  
Methyl Iodide  
Concen: 134.397 ug/l  
RT: 2.51 min Scan# 315  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 43.2  | 23.2  | 69.6  |
| 141     | 14.6  | 7.4   | 22.2  |

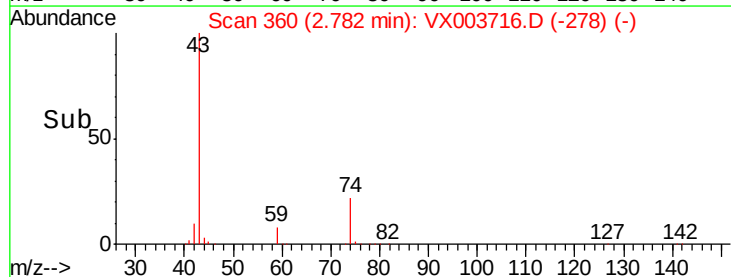
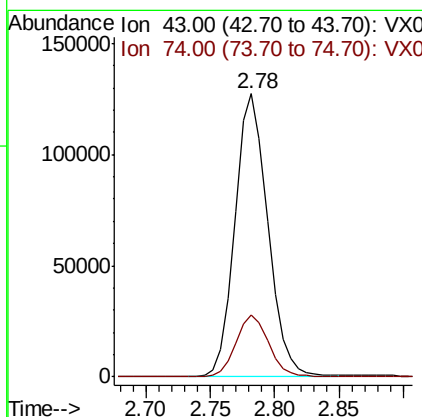
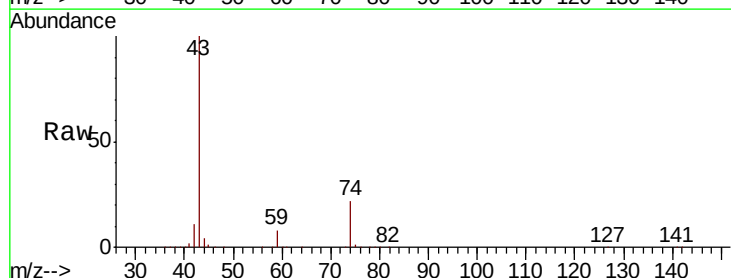
Manual Integrations  
APPROVED

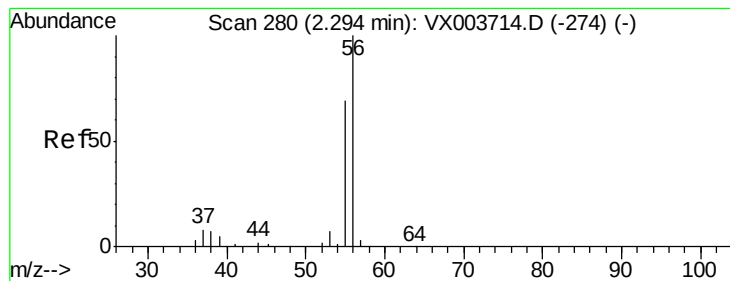
MMDadoda  
7/30/2018 3:42:30 PM



#12  
Methyl Acetate  
Concen: 112.761 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.0  | 16.4  | 24.6  |





#13

Acrolein

Concen: 645.307 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 99793

Ion Ratio Lower Upper

56 100

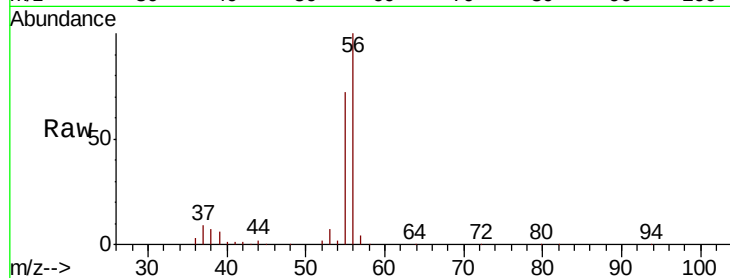
55 70.4 57.3 85.9

Manual Integrations

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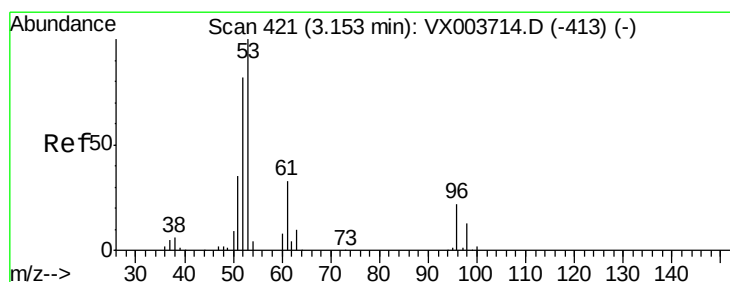
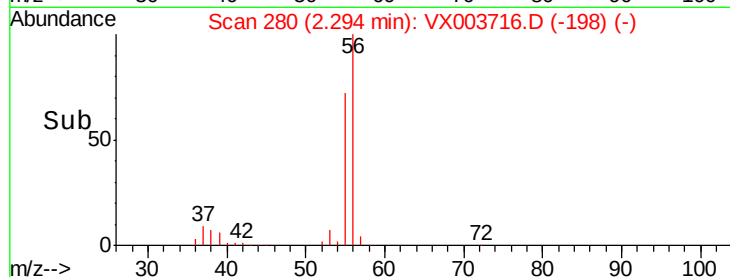
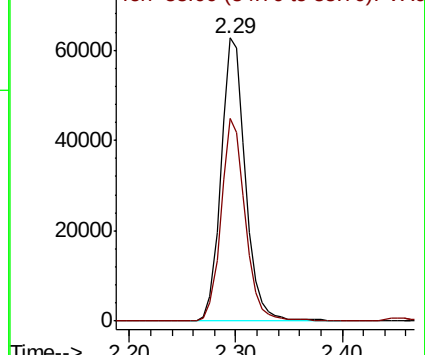
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 574.594 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

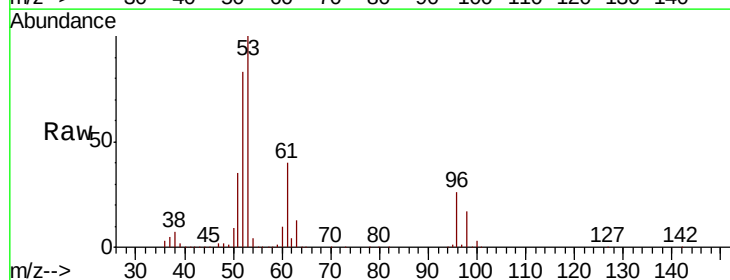
Tgt Ion: 53 Resp: 430374

Ion Ratio Lower Upper

53 100

52 82.6 41.5 124.6

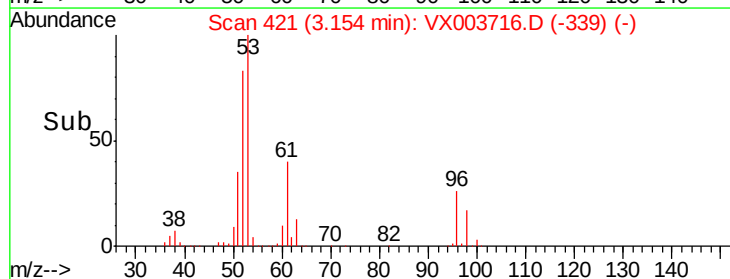
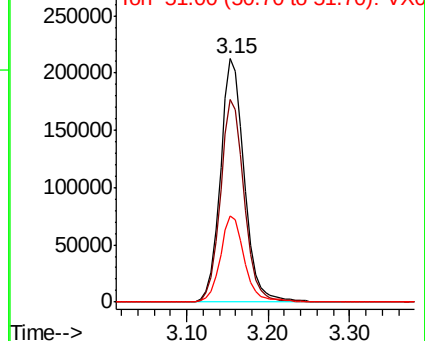
51 35.9 17.9 53.8

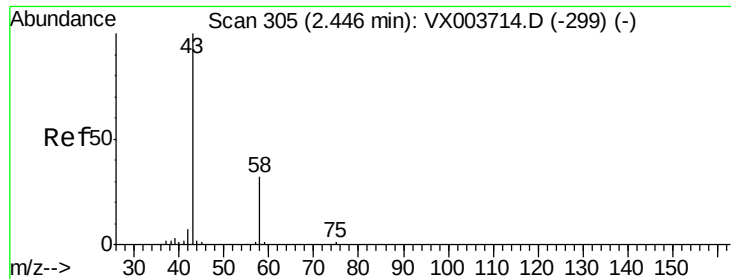


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 585.617 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 114988

Ion Ratio Lower Upper

58 100

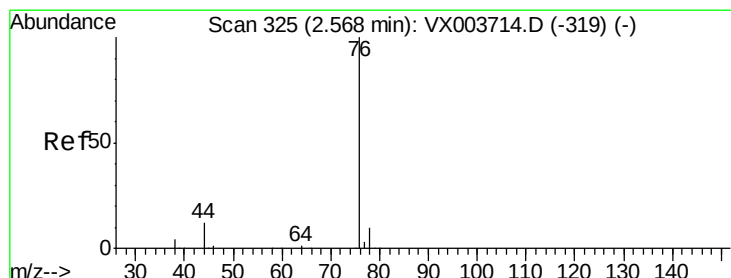
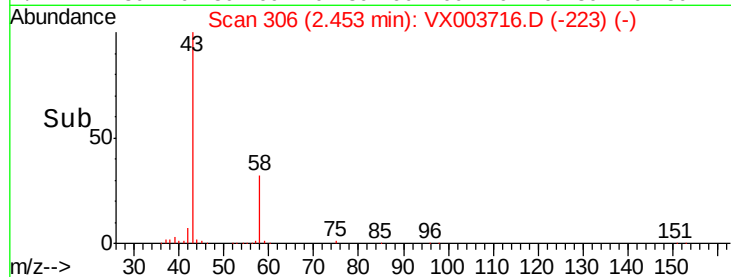
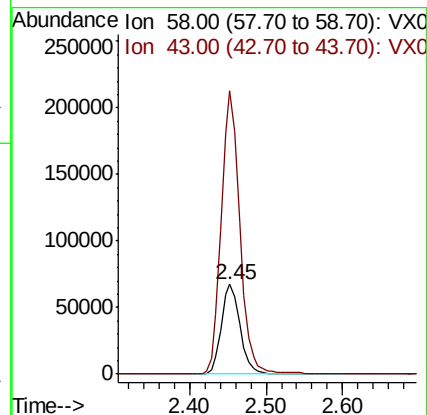
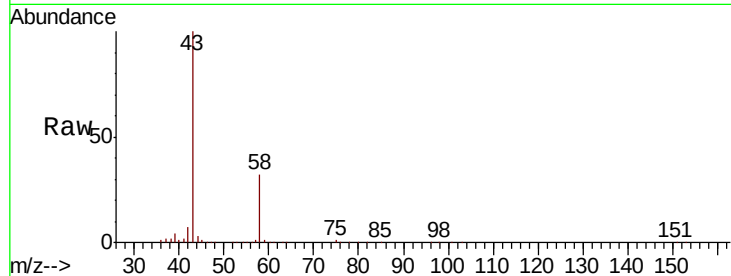
43 314.5 278.8 418.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 95.025 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX003716.D

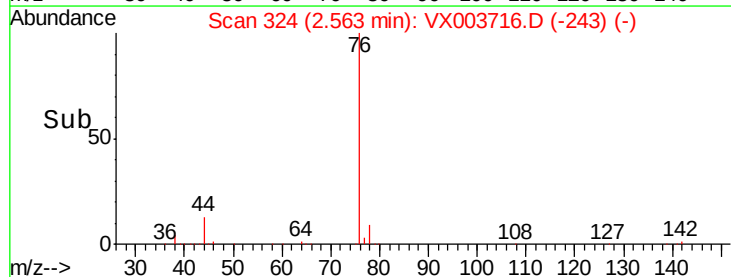
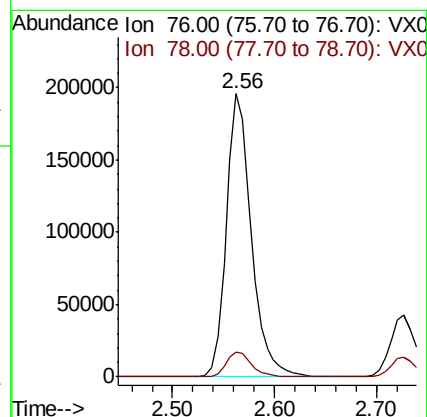
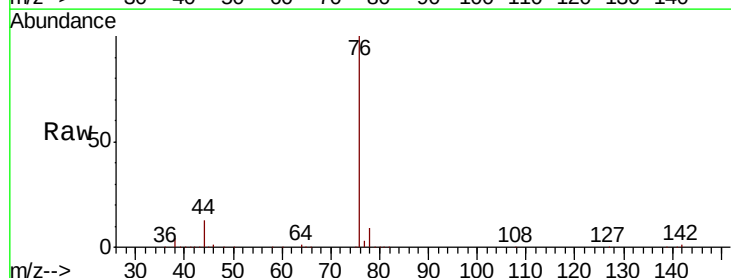
Acq: 27 Jul 2018 14:51

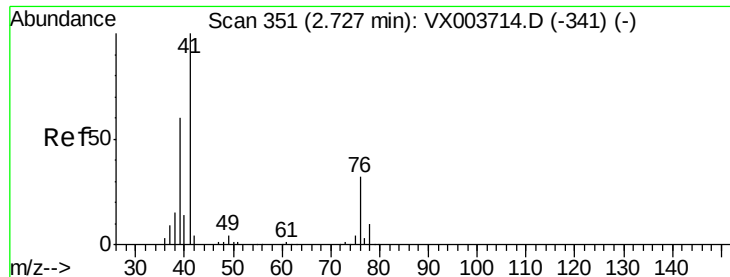
Tgt Ion: 76 Resp: 332751

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





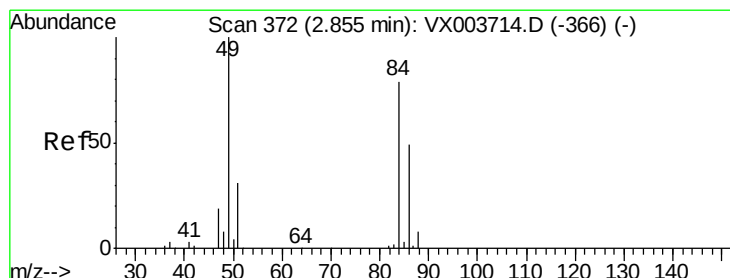
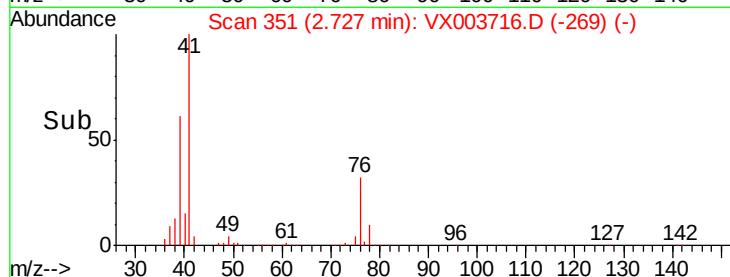
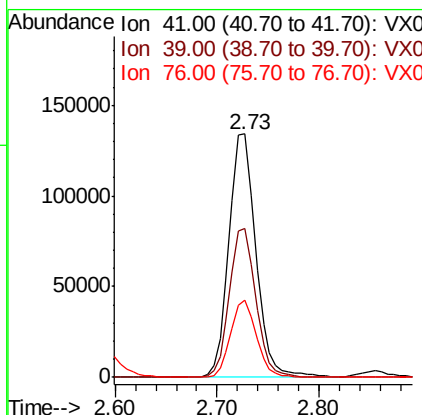
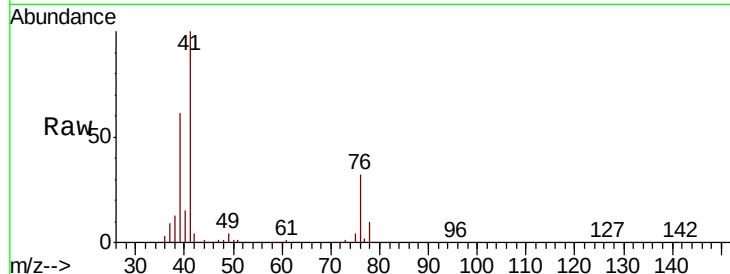
#17  
Allvl chloride  
Concen: 105.888 ug/l  
RT: 2.73 min Scan# 351  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 246909 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 60.9  | 34.6  | 103.8  |
| 76       | 31.7  | 15.0  | 45.1   |

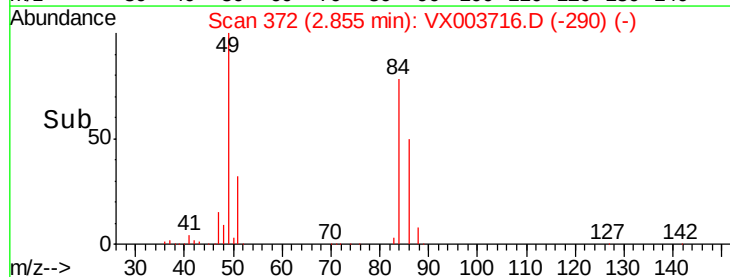
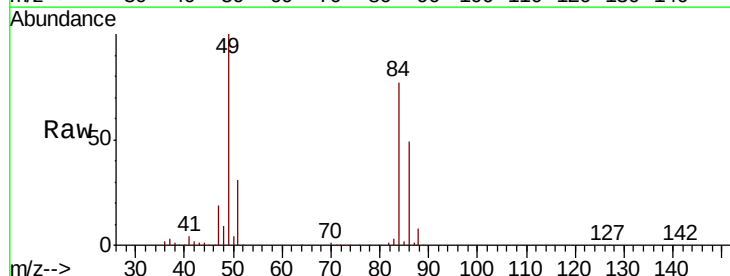
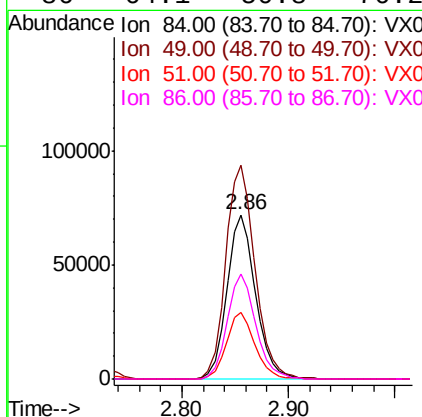
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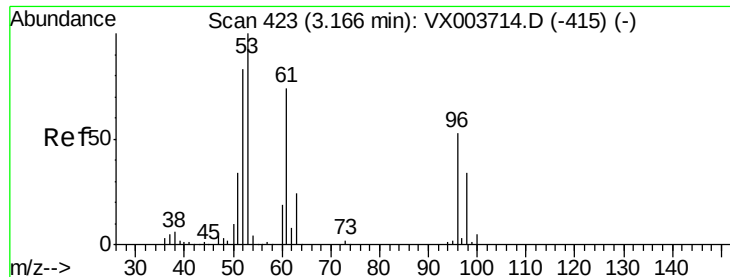
MMDadoda  
7/30/2018 3:42:30 PM



#18  
Methylene Chloride  
Concen: 94.289 ug/l  
RT: 2.86 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 135644 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 129.9 | 104.7 | 157.1  |
| 51       | 40.4  | 31.0  | 46.4   |
| 86       | 64.1  | 50.8  | 76.2   |





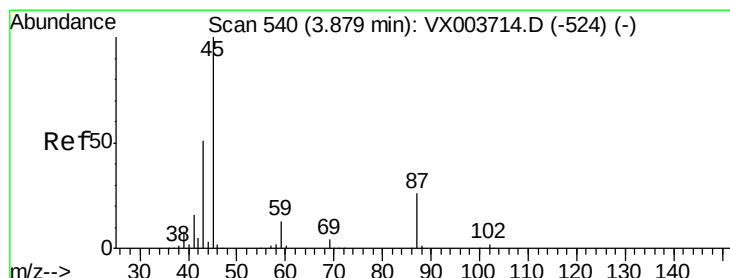
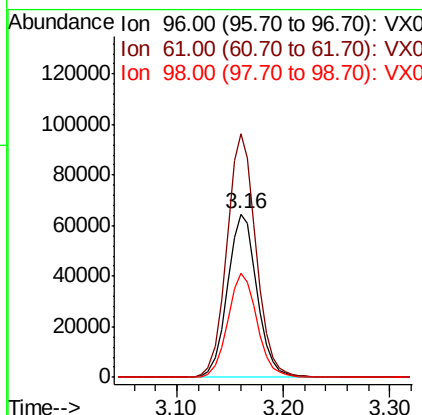
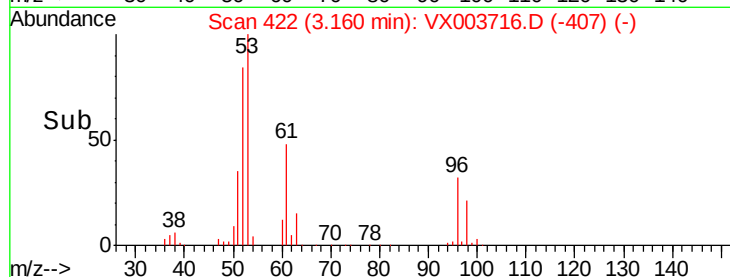
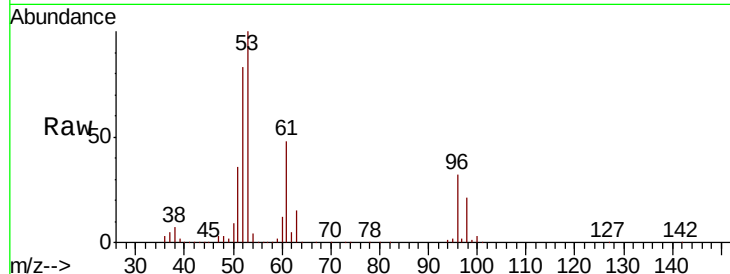
#19  
trans-1,2-Dichloroethene  
Concen: 94.981 ug/l  
RT: 3.16 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 148.6 | 114.6 | 172.0 |
| 98      | 64.0  | 51.3  | 76.9  |

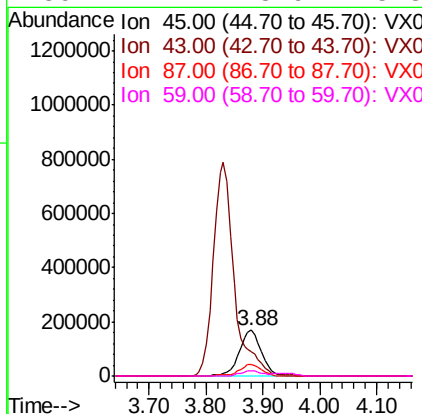
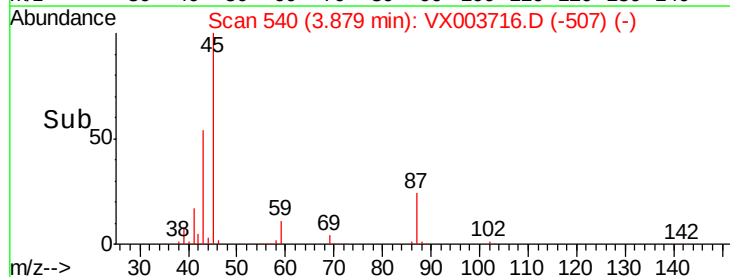
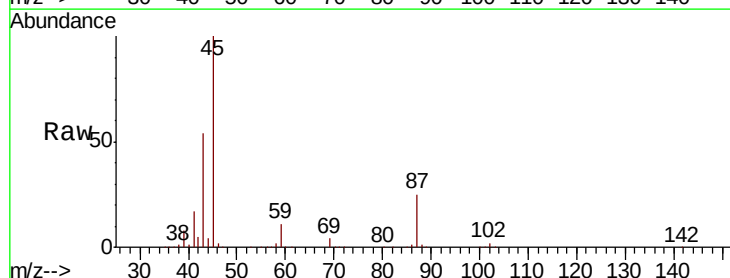
Manual Integrations  
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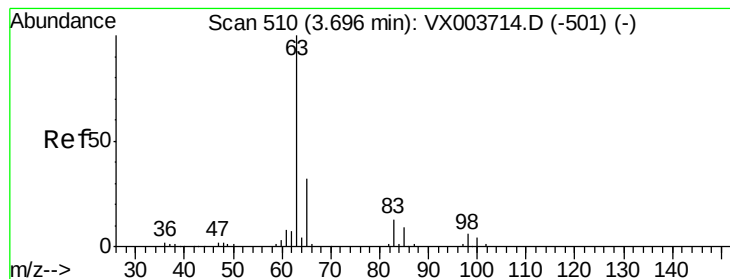
MMDadoda  
7/30/2018 3:42:30 PM



#20  
Diisopropyl ether  
Concen: 109.246 ug/l  
RT: 3.88 min Scan# 540  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 54.3  | 45.6  | 68.4  |
| 87      | 24.9  | 20.7  | 31.1  |
| 59      | 11.4  | 8.9   | 13.3  |





#21

1,1-Dichloroethane

Concen: 101.813 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

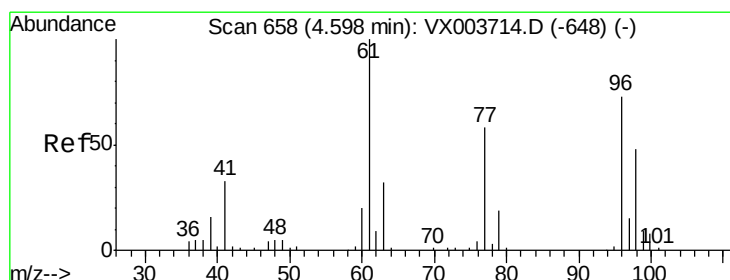
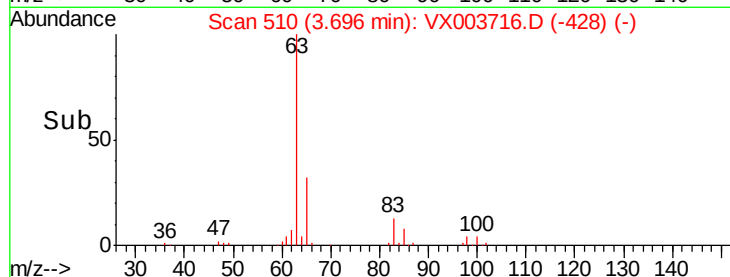
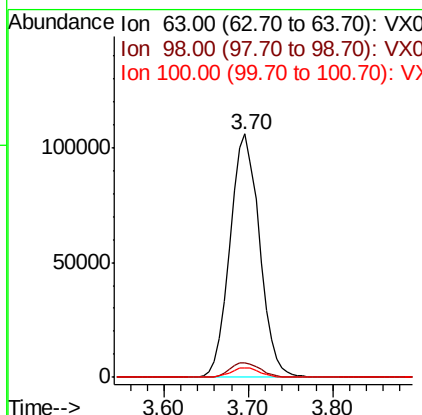
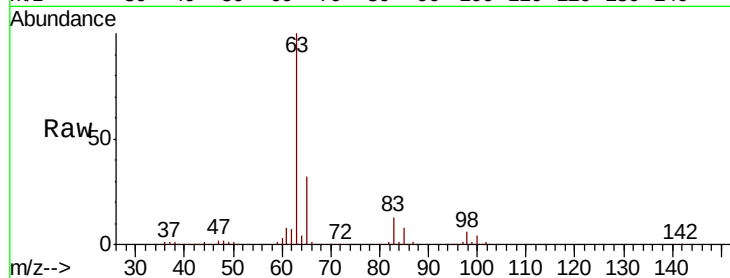
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 63    | Resp: | 251584 |
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 98        | 6.0   | 3.1   | 9.3    |
| 100       | 4.0   | 2.2   | 6.6    |

Manual Integrations  
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7/30/2018 3:42:30 PM



#22

cis-1,2-Dichloroethene

Concen: 86.726 ug/l

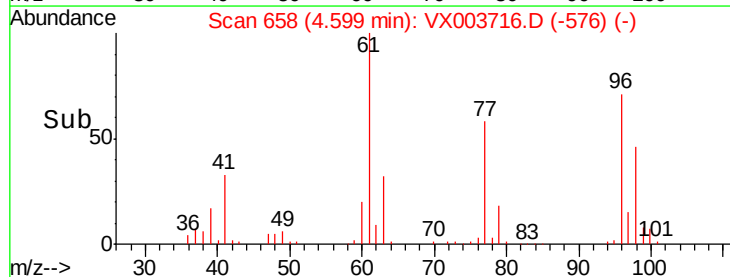
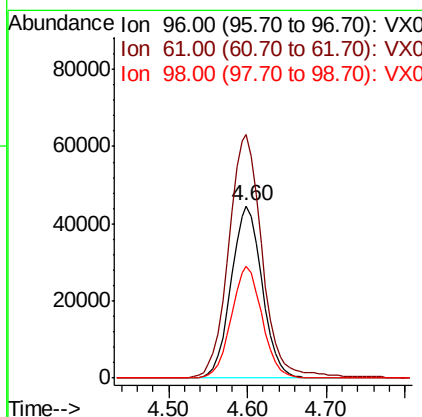
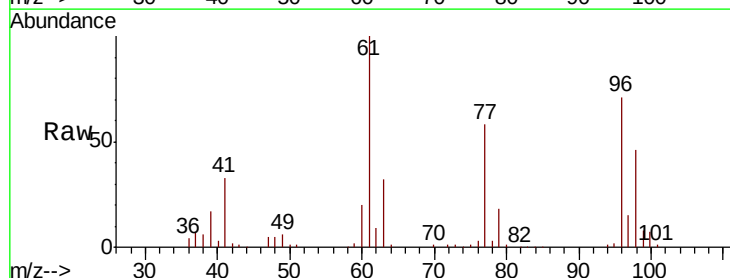
RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

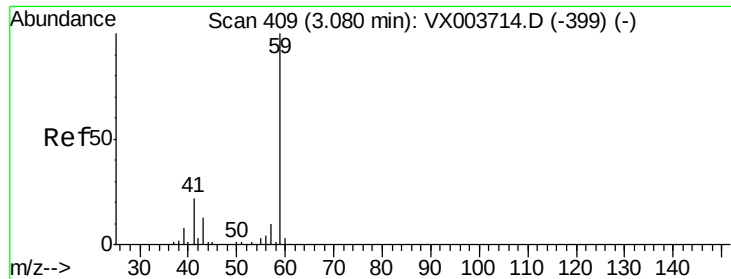
Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 121896 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 154.1 | 160.2 | 240.2# |
| 98        | 64.3  | 54.1  | 81.1   |







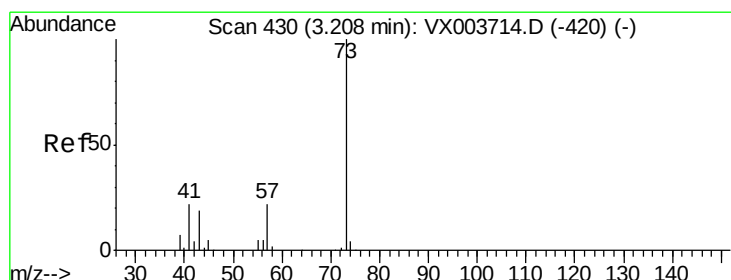
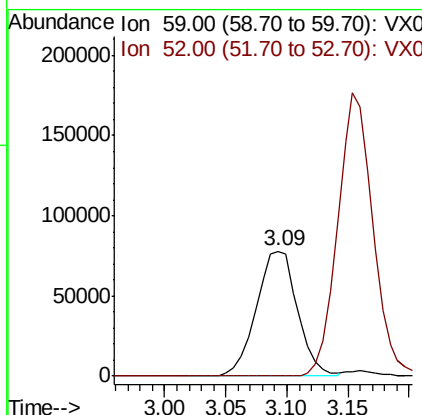
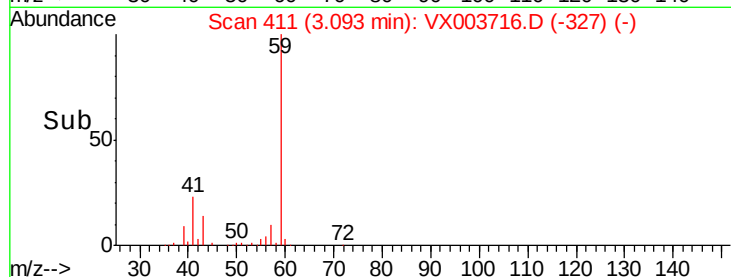
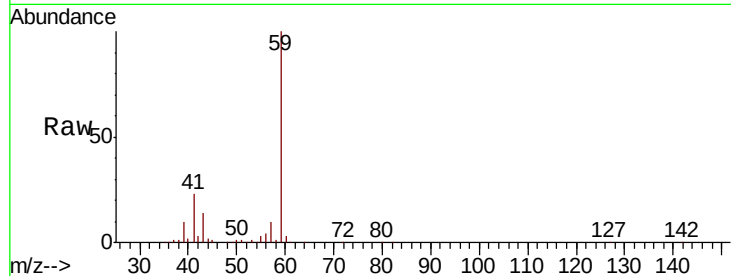
#23  
 tert-Butyl Alcohol  
 Concen: 585.814 ug/l  
 RT: 3.09 min Scan# 411  
 Delta R.T. 0.01 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Tot Ion: 59 Resp: 182182  
 Ion Ratio Lower Upper  
 59 100  
 52 0.2 0.2 0.2#

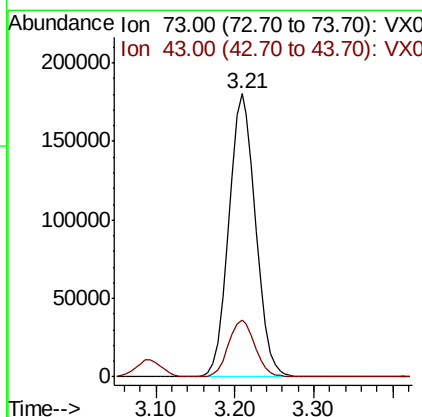
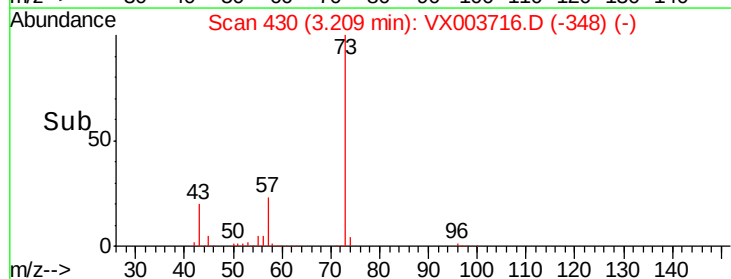
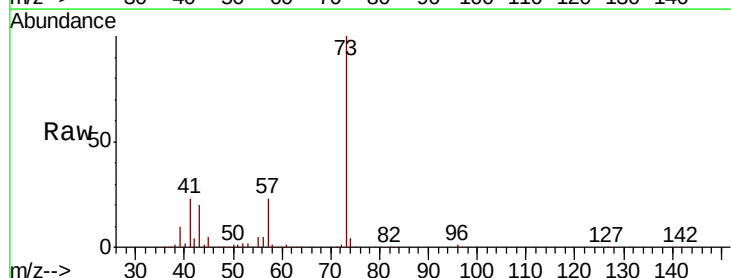
Manual Integrations  
 APPROVED

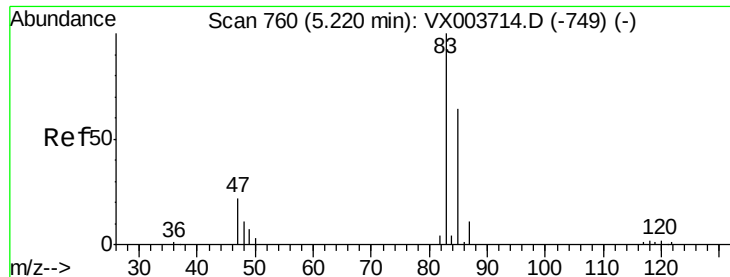
MMDadoda  
 7/30/2018 3:42:30 PM



#24  
 Methyl tert-Butyl Ether  
 Concen: 103.567 ug/l  
 RT: 3.21 min Scan# 430  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Tgt Ion: 73 Resp: 424020  
 Ion Ratio Lower Upper  
 73 100  
 43 20.0 19.0 28.4





#25

Chloroform

Concen: 93.077 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 207123

Ion Ratio Lower Upper

83 100

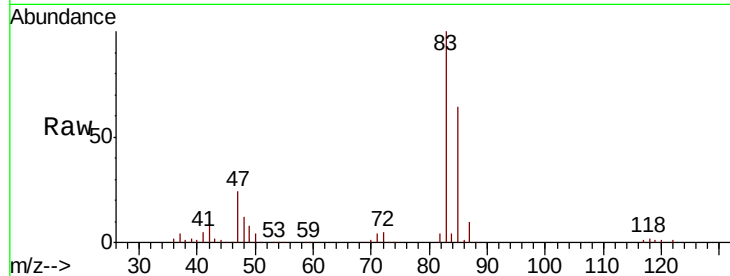
85 64.5 51.9 77.9

Manual Integrations

APPROVED

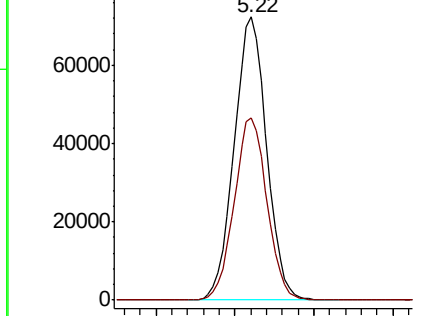
MMDadoda

7/30/2018 3:42:30 PM

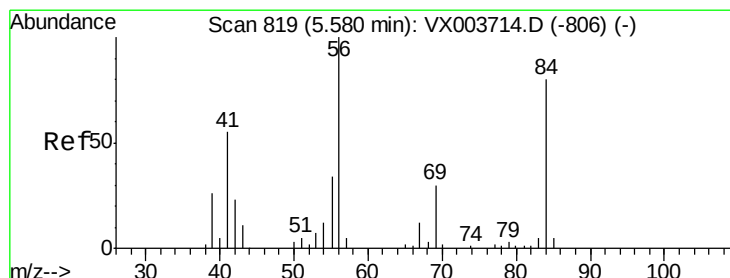
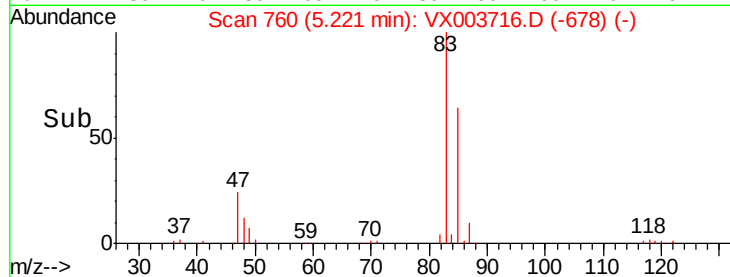


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



Time-->



#26

Cyclohexane

Concen: 99.613 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

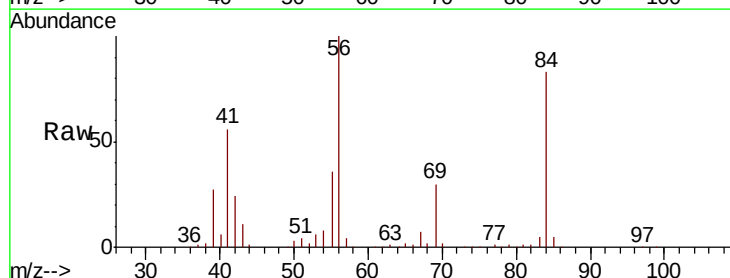
Tgt Ion: 56 Resp: 192149

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

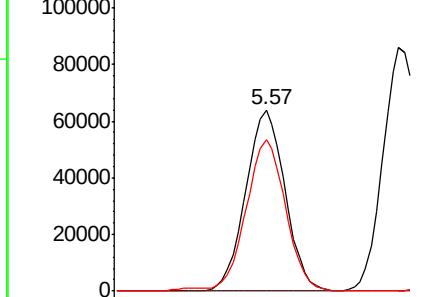
84 83.5 64.9 97.3



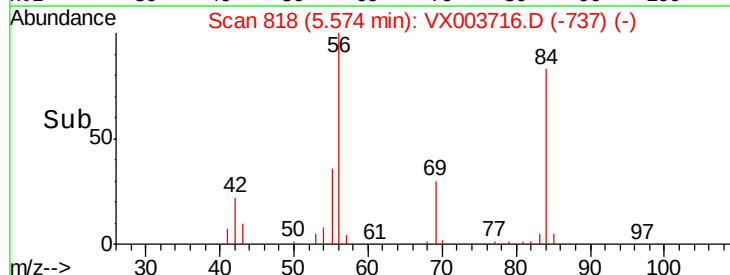
Abundance Ion 56.00 (55.70 to 56.70): VX0

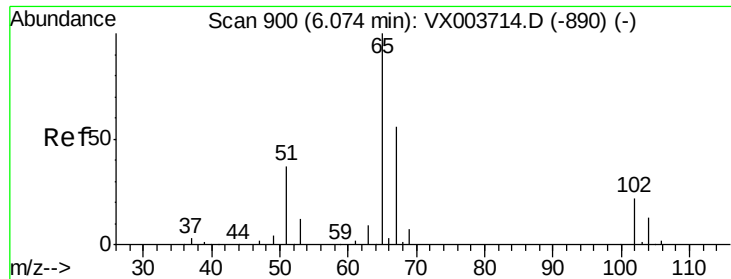
Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





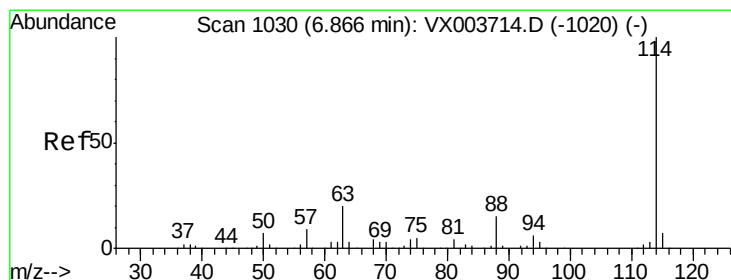
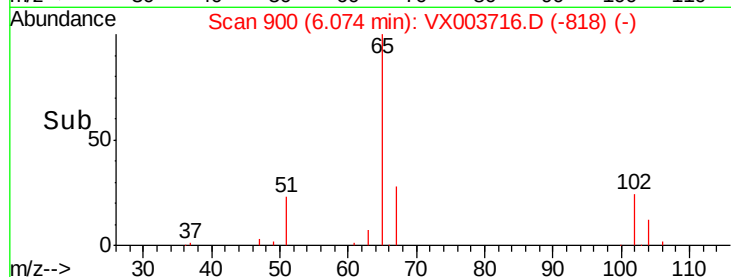
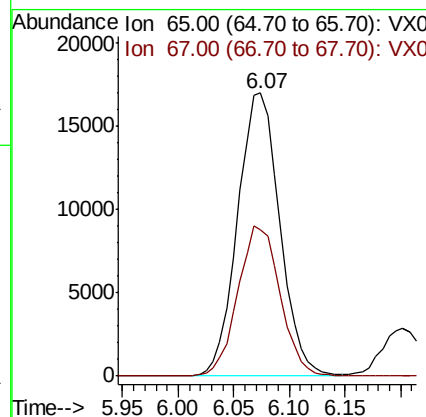
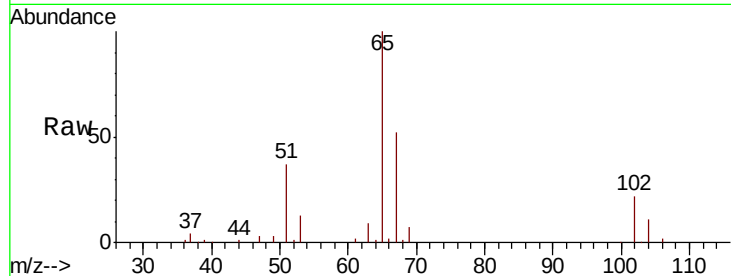
#27  
 1,2-Dichloroethane-d4  
 Concen: 33.149 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.2  | 40.9  | 61.3  |

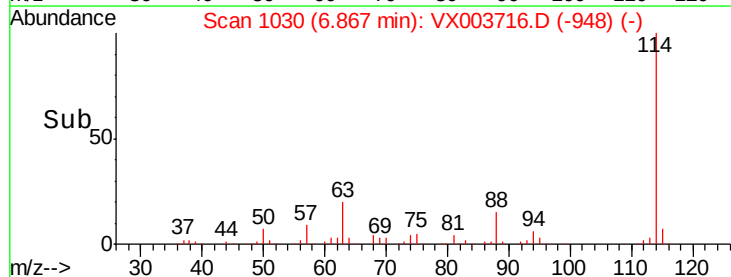
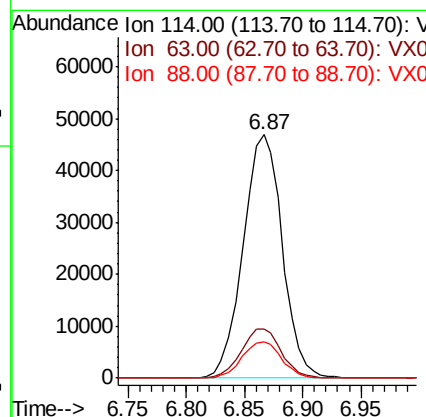
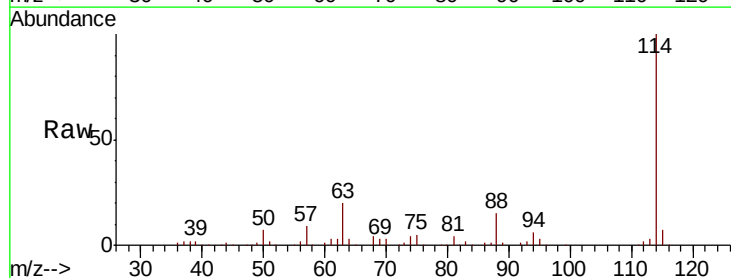
Manual Integrations  
 APPROVED

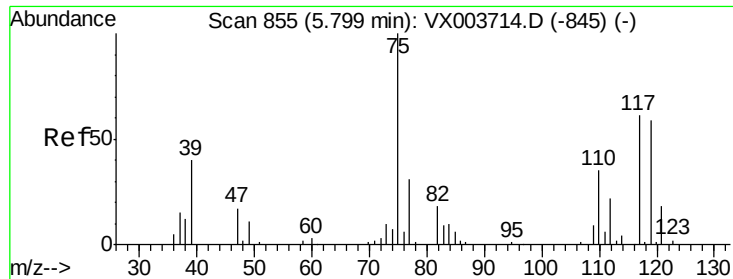
MMDadoda  
 7/30/2018 3:42:30 PM



#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.7  | 17.1  | 25.7  |
| 88      | 15.1  | 12.6  | 19.0  |





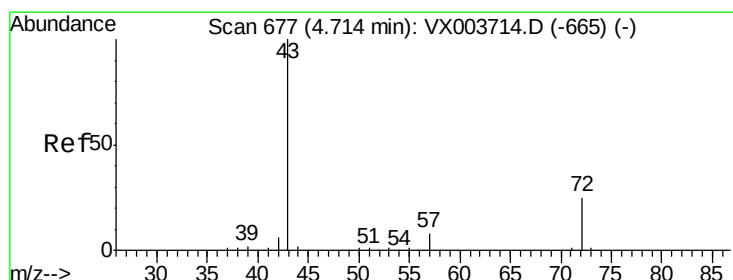
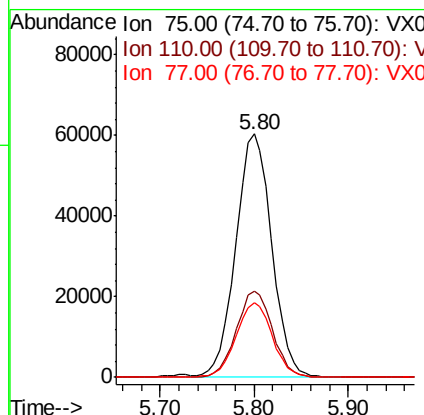
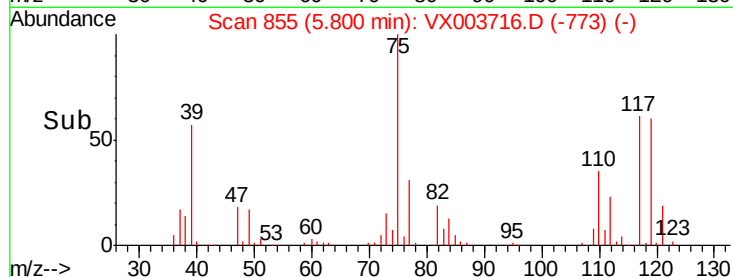
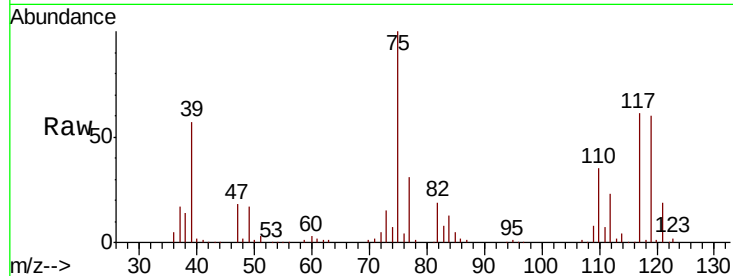
#29  
 1,1-Dichloropropene  
 Concen: 92.914 ug/l  
 RT: 5.80 min Scan# 855  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 35.3  | 0.0        | 71.4  |
| 77      | 30.9  | 0.0        | 60.6  |

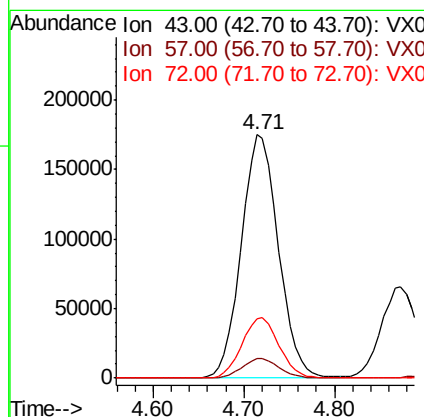
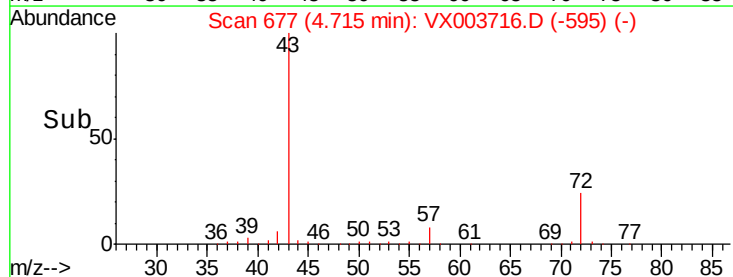
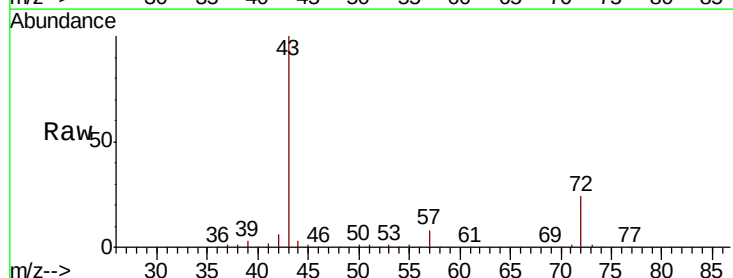
Manual Integrations  
 APPROVED

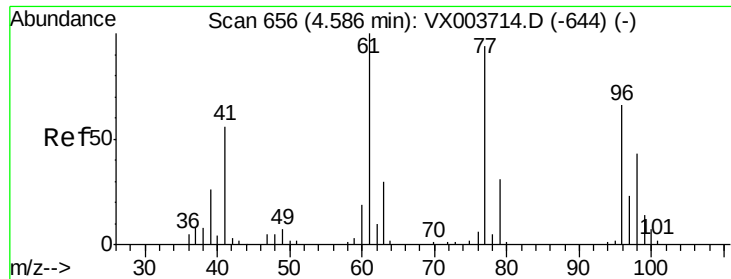
MMDadoda  
 7/30/2018 3:42:30 PM



#30  
 2-Butanone  
 Concen: 511.919 ug/l  
 RT: 4.71 min Scan# 677  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 8.0   | 6.1        | 9.1   |
| 72      | 24.9  | 18.1       | 27.1  |





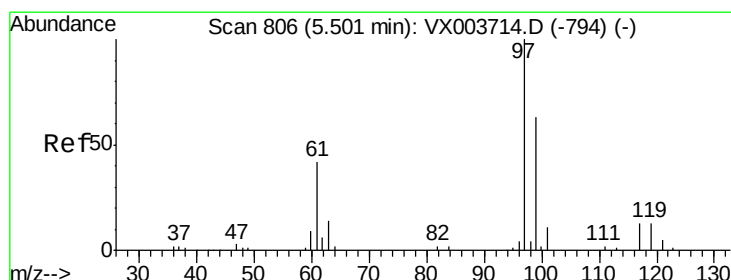
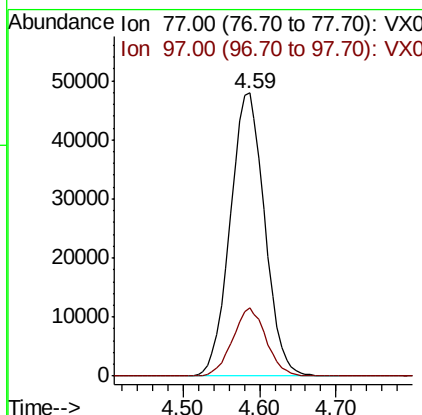
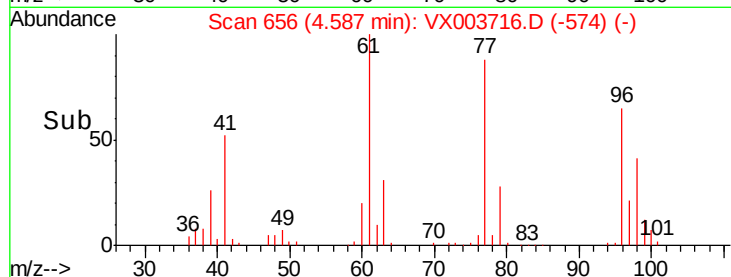
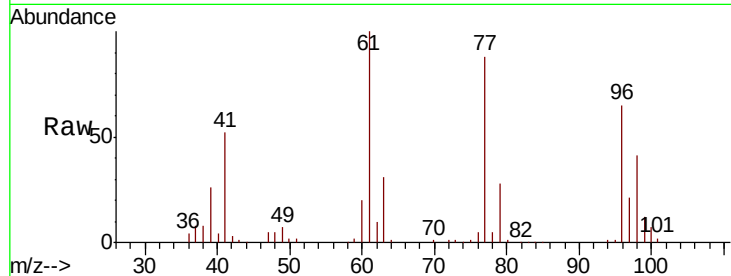
#31  
 2,2-Dichloropropane  
 Concen: 79.871 ug/l  
 RT: 4.59 min Scan# 656  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

Tot Ion: 77 Resp: 149627  
 Ion Ratio Lower Upper  
 77 100  
 97 23.5 18.7 28.1

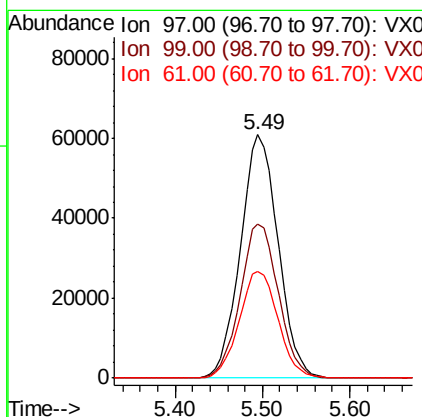
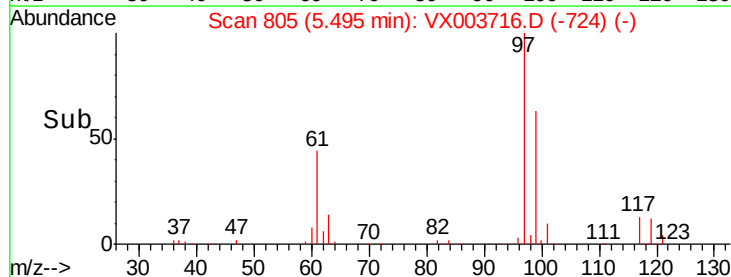
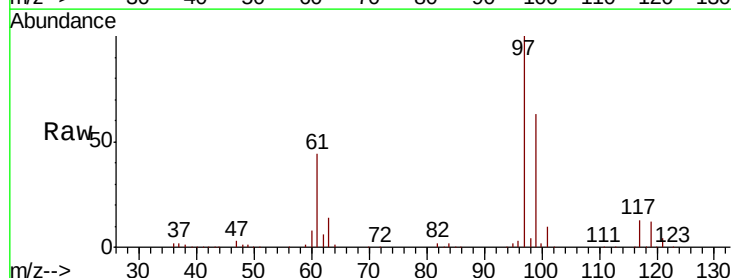
Manual Integrations  
 APPROVED

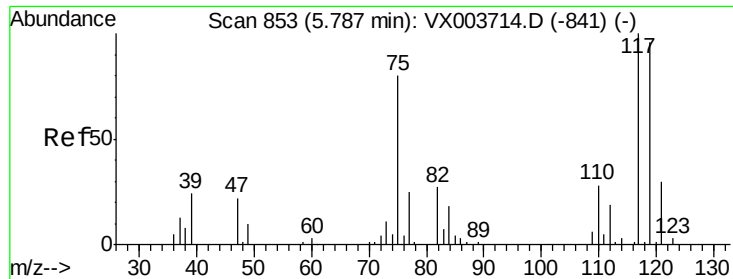
MMDadoda  
 7/30/2018 3:42:30 PM



#32  
 1,1,1-Trichloroethane  
 Concen: 92.978 ug/l  
 RT: 5.49 min Scan# 805  
 Delta R.T. -0.01 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Tgt Ion: 97 Resp: 182587  
 Ion Ratio Lower Upper  
 97 100  
 99 64.4 51.7 77.5  
 61 45.2 36.4 54.6





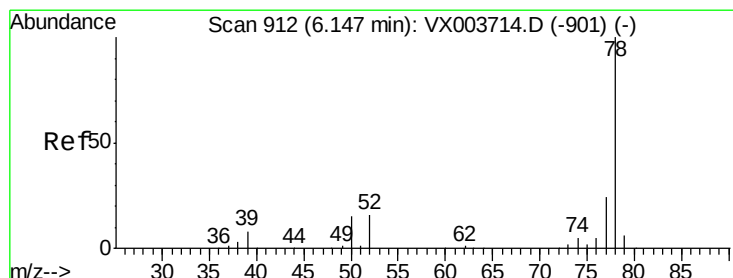
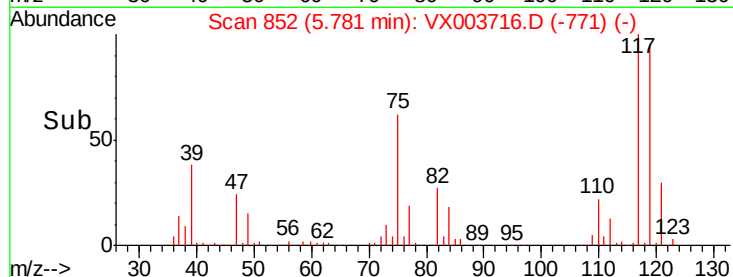
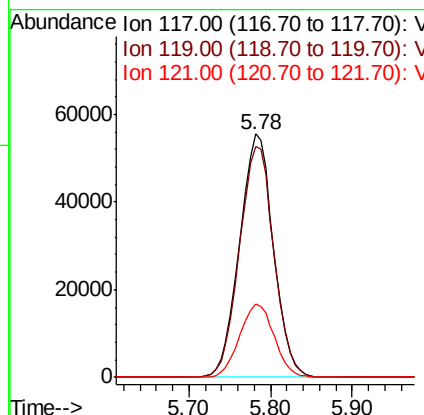
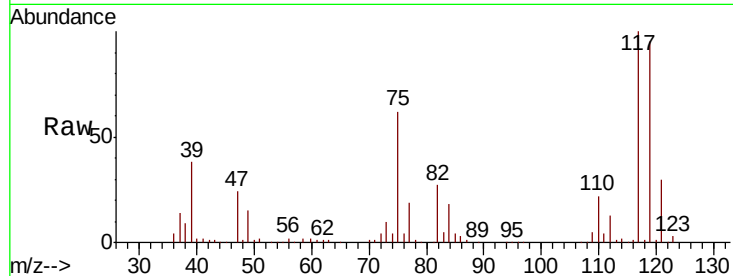
#33  
Carbon Tetrachloride  
Concen: 92.672 ug/l  
RT: 5.78 min Scan# 852  
Delta R.T. -0.01 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.0  | 73.3  | 109.9 |
| 121     | 30.2  | 23.6  | 35.4  |

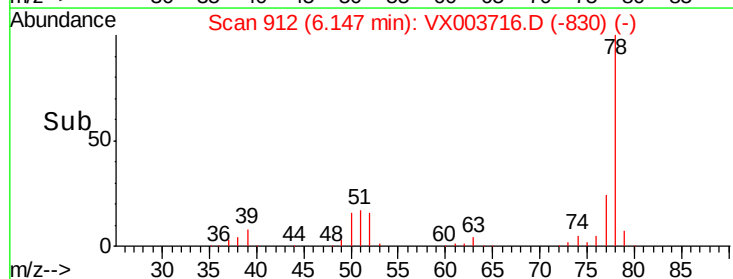
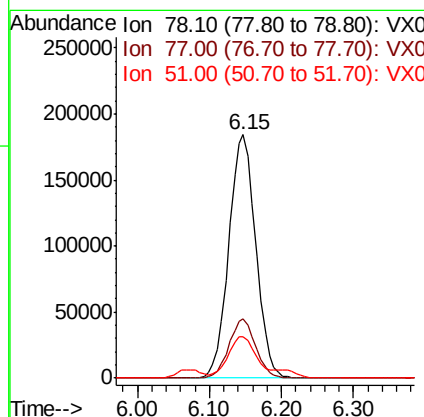
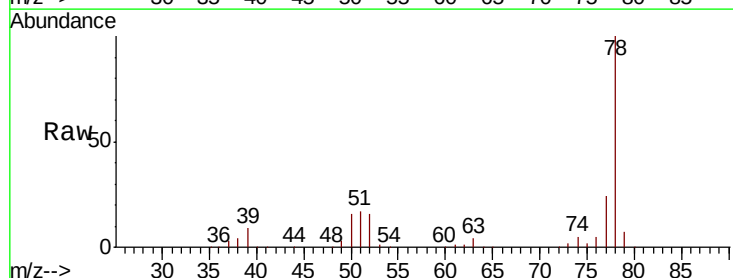
Manual Integrations  
APPROVED

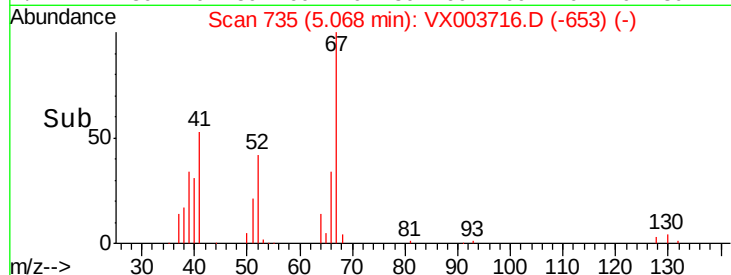
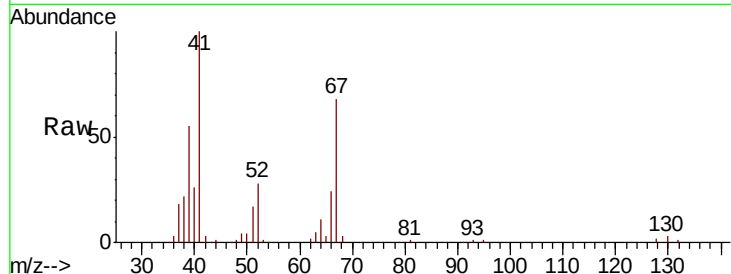
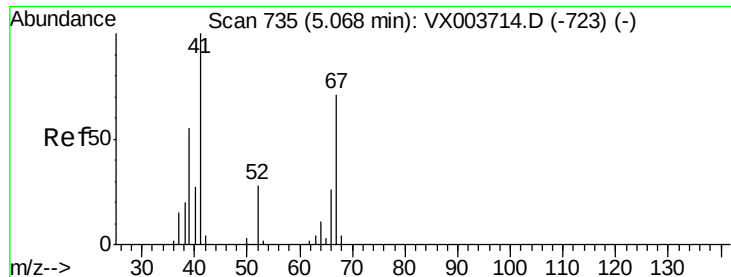
MMDadoda  
7/30/2018 3:42:30 PM



#34  
Benzene  
Concen: 93.830 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

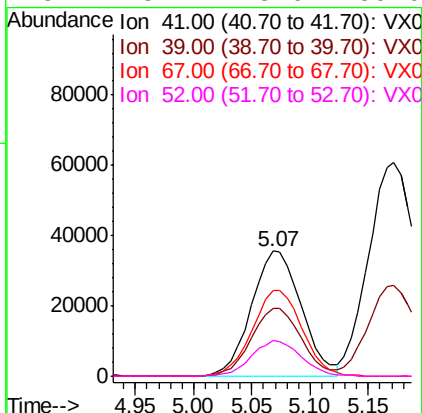
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.2  | 19.4  | 29.0  |
| 51      | 17.1  | 13.8  | 20.6  |





#35  
Methacrylonitrile  
Concen: 103.722 ug/l  
RT: 5.07 min Scan# 735  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

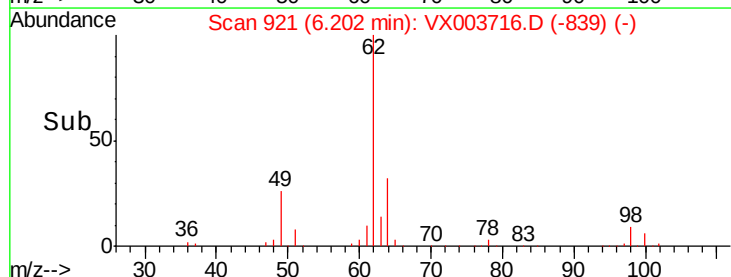
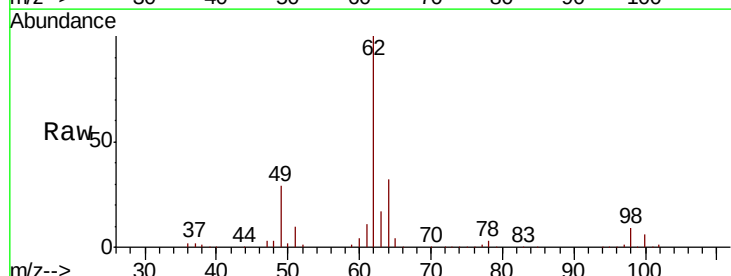
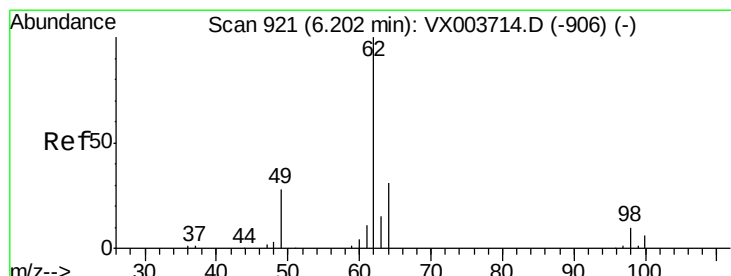
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 54.8 | 28.8  | 86.5 |       |       |
| 67      | 68.5 | 30.4  | 91.2 |       |       |
| 52      | 28.2 | 13.0  | 39.0 |       |       |



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

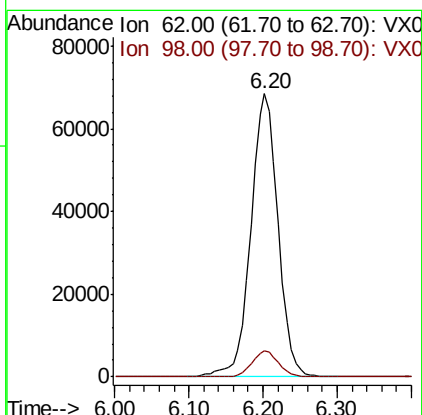
Manual Integrations  
APPROVED

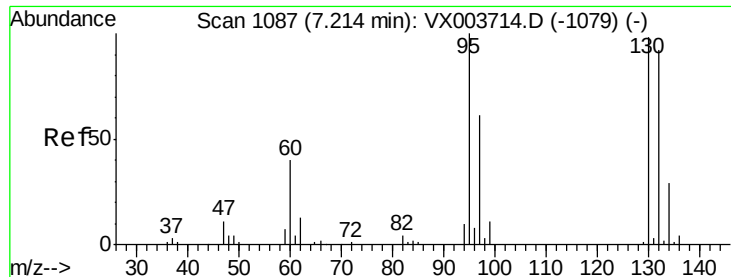
MMDadoda  
7/30/2018 3:42:30 PM



#36  
1,2-Dichloroethane  
Concen: 98.424 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 8.8 | 6.5   | 9.7  |       |       |





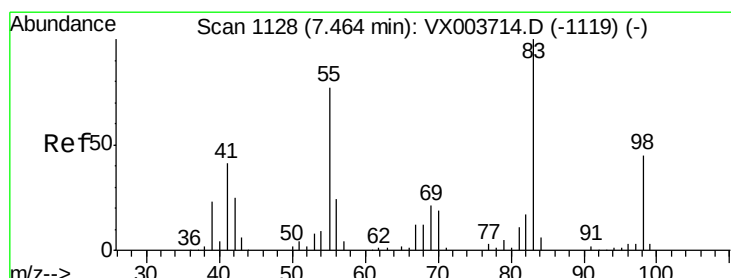
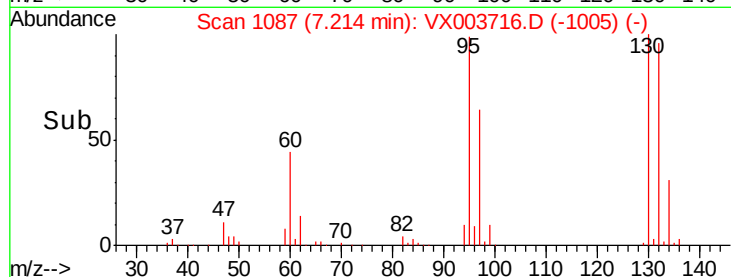
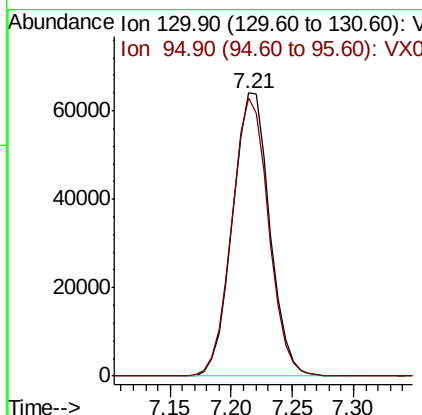
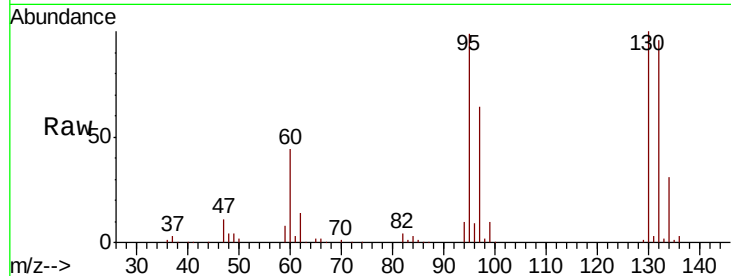
#37  
 Trichloroethene  
 Concen: 95.556 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

Tot Ion:130 Resp: 134972  
 Ion Ratio Lower Upper  
 130 100  
 95 98.4 81.5 122.3

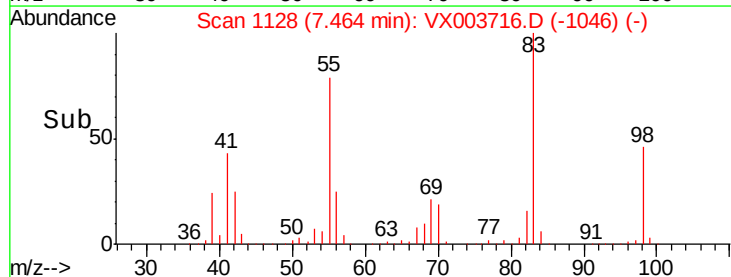
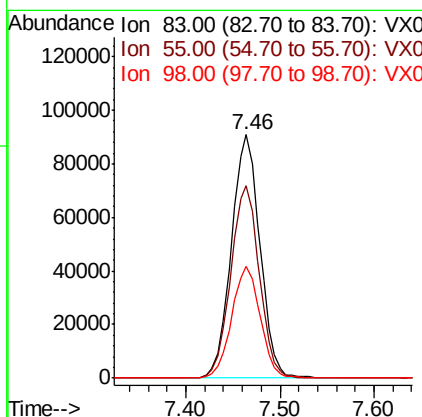
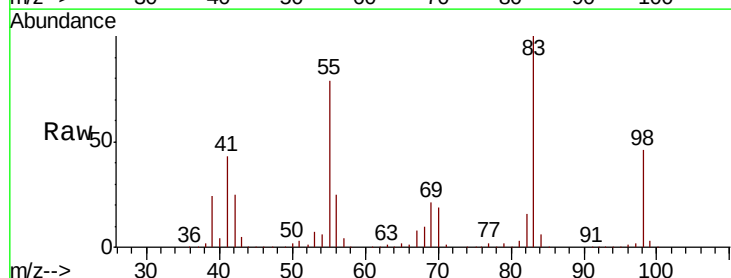
Manual Integrations  
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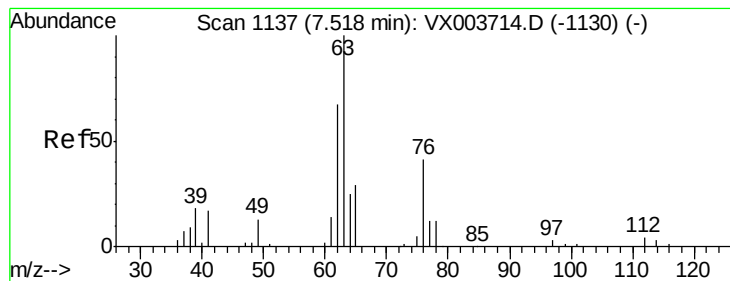


#38  
 Methylcyclohexane  
 Concen: 97.695 ug/l  
 RT: 7.46 min Scan# 1128  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Tgt Ion: 83 Resp: 191538  
 Ion Ratio Lower Upper  
 83 100  
 55 79.0 40.6 121.8  
 98 46.1 23.5 70.5







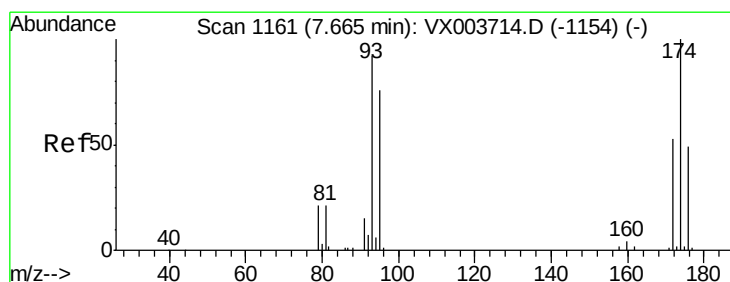
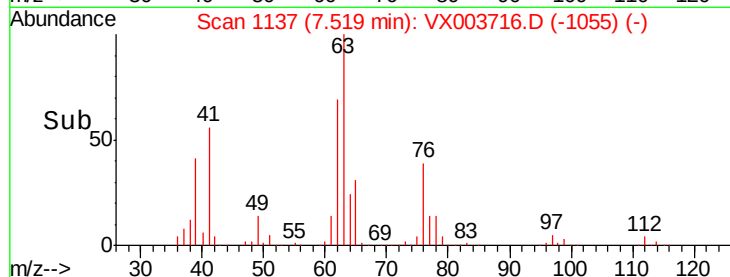
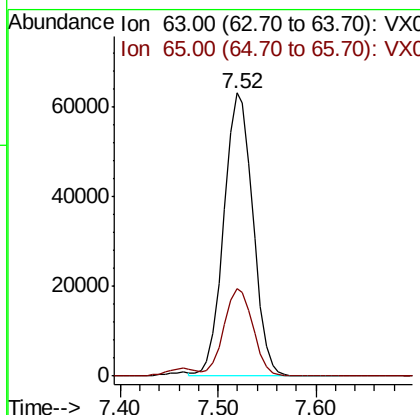
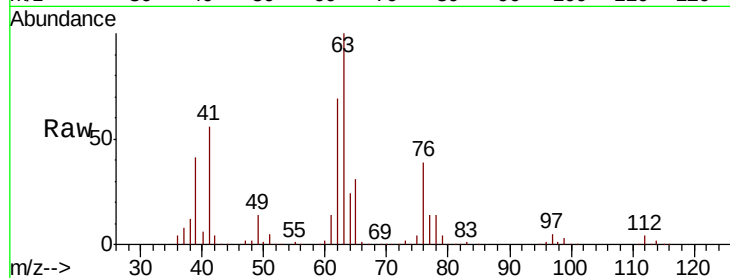
#39  
 1,2-Dichloropropane  
 Concen: 98.701 ug/l  
 RT: 7.52 min Scan# 1137  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.1  | 23.3  | 34.9  |

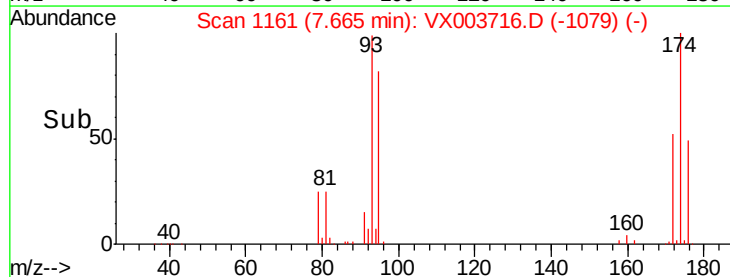
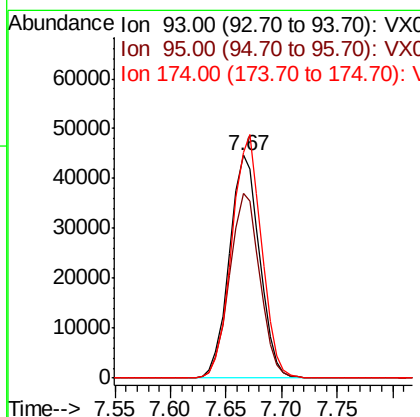
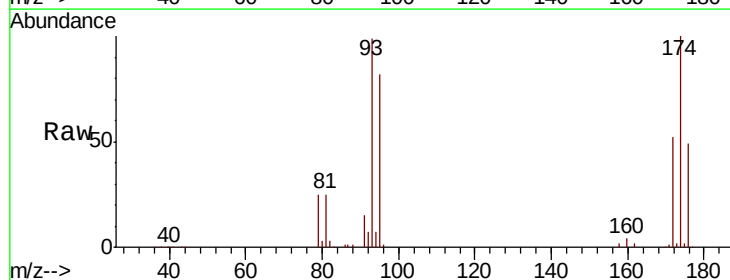
Manual Integrations  
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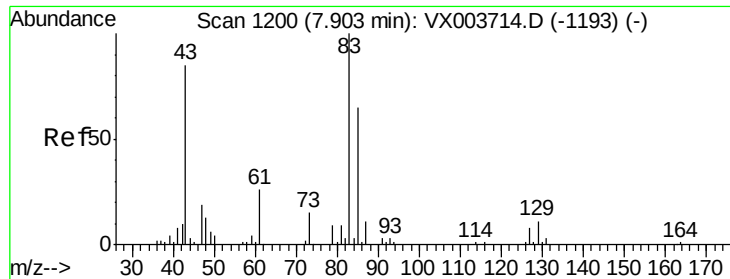
MMDadoda  
 7/30/2018 3:42:30 PM



#40  
 Dibromomethane  
 Concen: 97.071 ug/l  
 RT: 7.67 min Scan# 1161  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.9  | 0.0   | 162.6 |
| 174     | 107.5 | 0.0   | 229.4 |





#41

Bromodichloromethane

Concen: 104.885 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

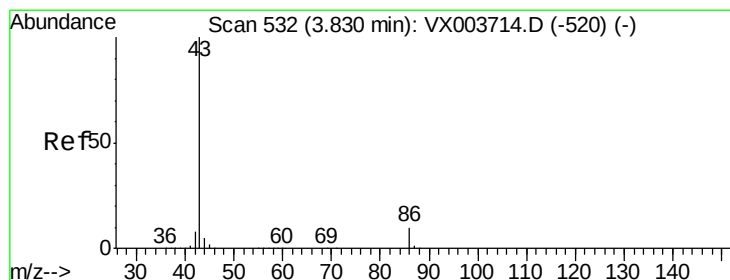
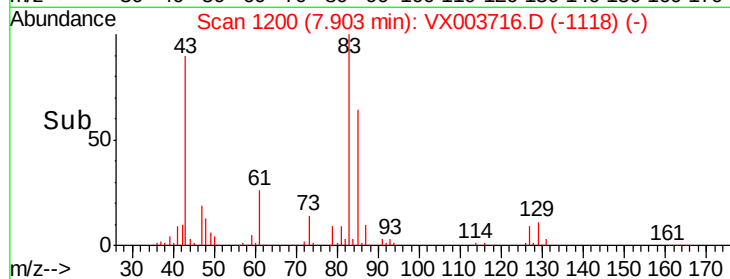
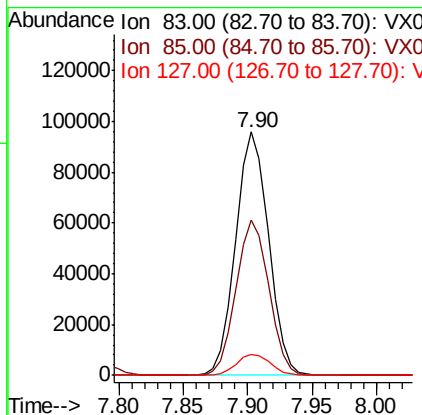
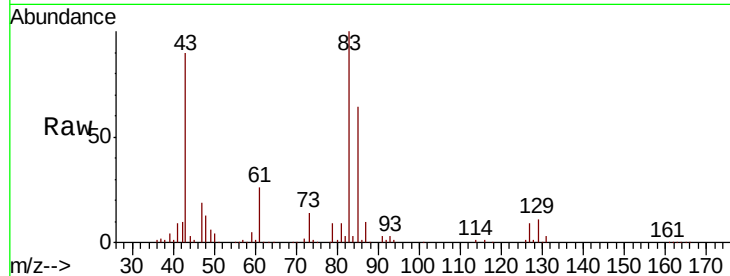
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 169870 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.0  | 49.8  | 74.8   |
| 127      | 8.7   | 7.3   | 10.9   |

Manual Integrations  
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MMDadoda  
7/30/2018 3:42:30 PM



#42

Vinyl Acetate

Concen: 541.102 ug/l

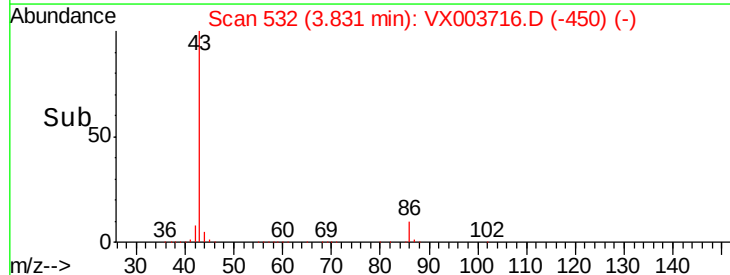
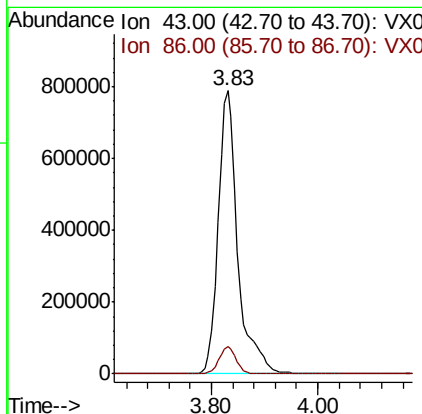
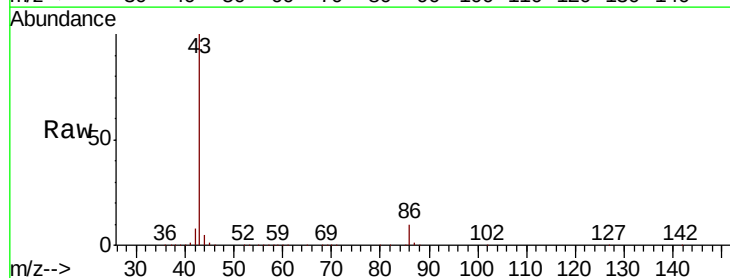
RT: 3.83 min Scan# 532

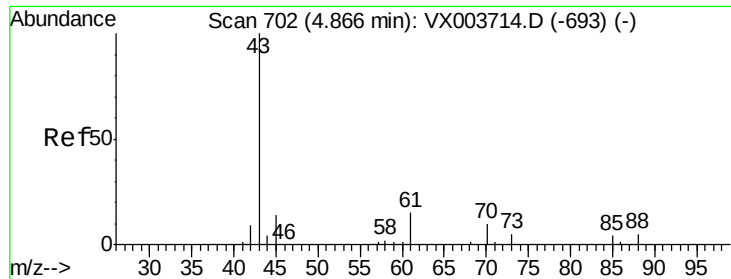
Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 43    | Resp: | 2014779 |
| Ion      | Ratio | Lower | Upper   |
| 43       | 100   |       |         |
| 86       | 8.5   | 6.7   | 10.1    |





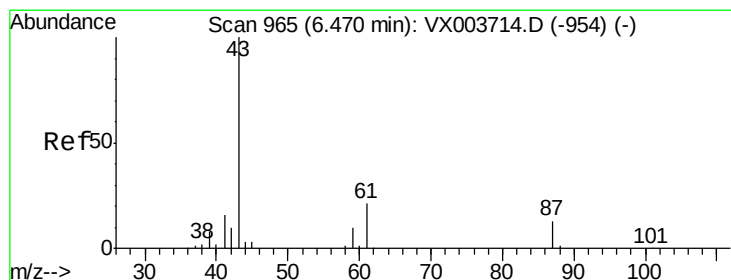
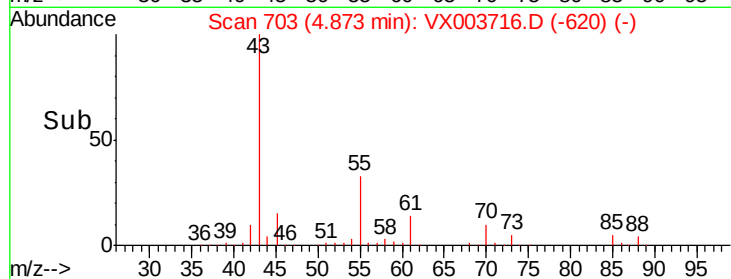
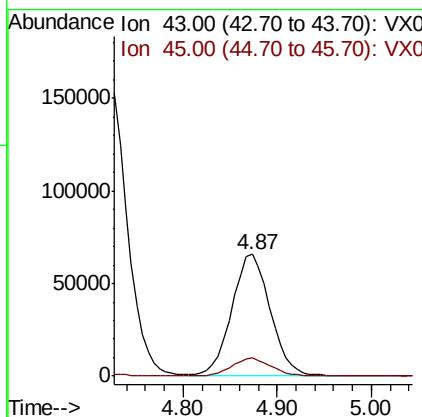
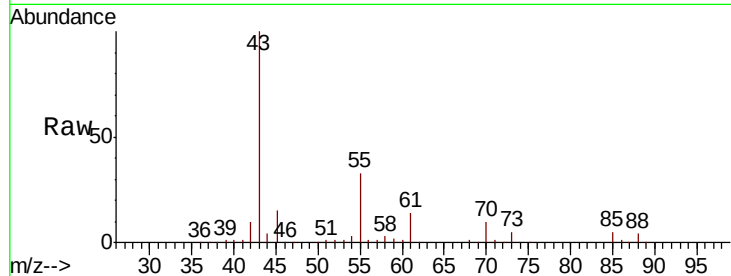
#43  
Ethyl Acetate  
Concen: 102.227 ug/l  
RT: 4.87 min Scan# 703  
Delta R.T. 0.01 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 45      | 15.1  | 11.0  | 16.4  |

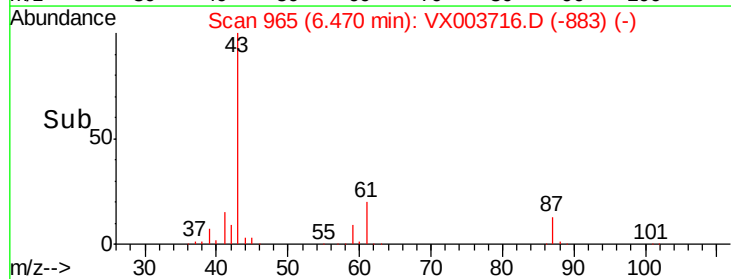
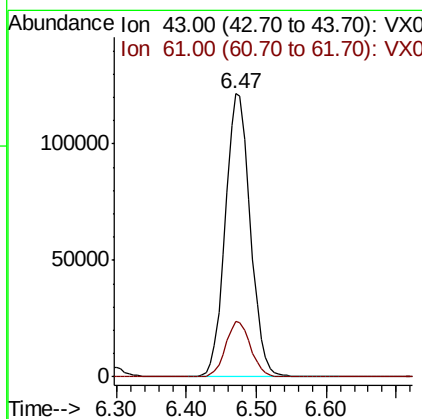
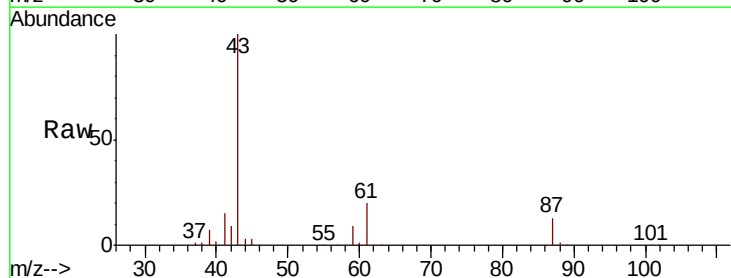
Manual Integrations  
APPROVED

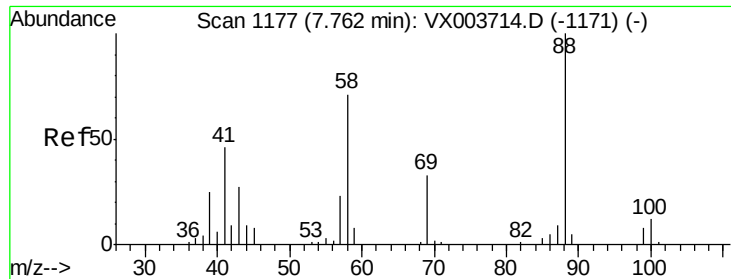
MMDadoda  
7/30/2018 3:42:30 PM



#44  
Isopropyl Acetate  
Concen: 106.798 ug/l  
RT: 6.47 min Scan# 965  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.6  | 14.5  | 21.7  |





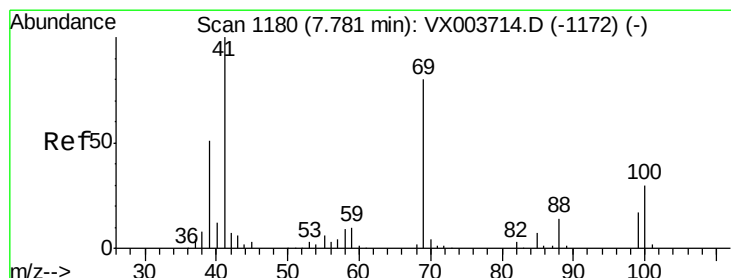
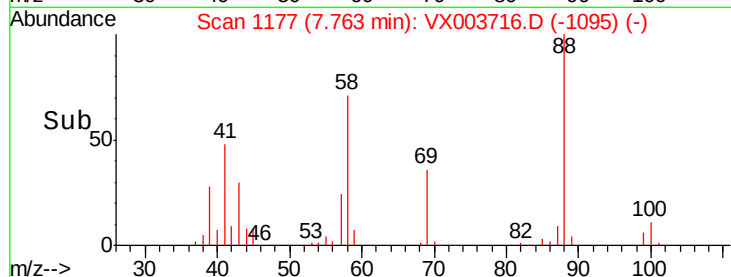
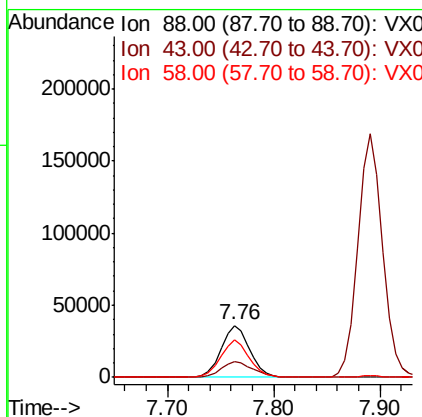
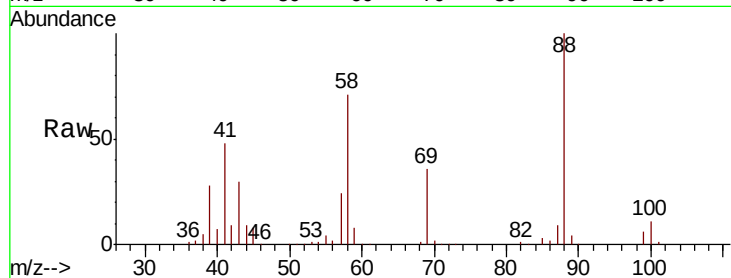
#45  
1,4-Dioxane  
Concen: 2236.101 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.8  | 43.2  | 64.8# |
| 58      | 71.9  | 60.2  | 90.2  |

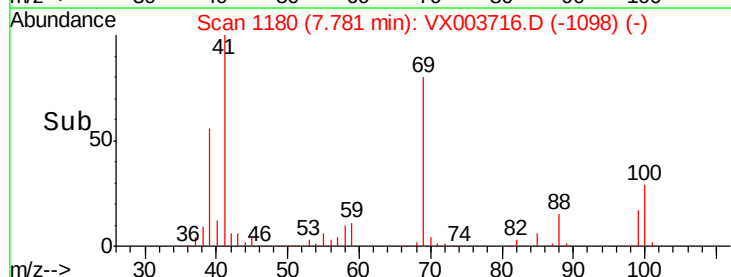
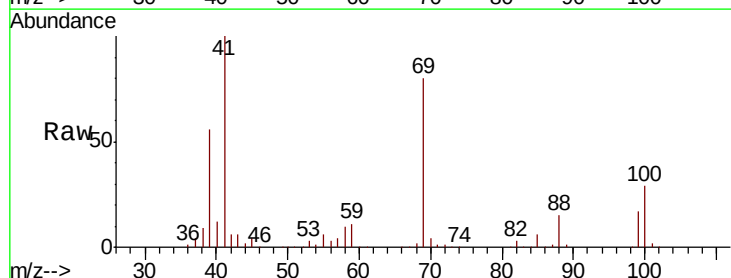
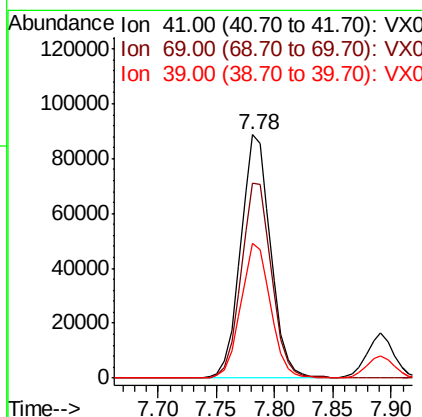
Manual Integrations  
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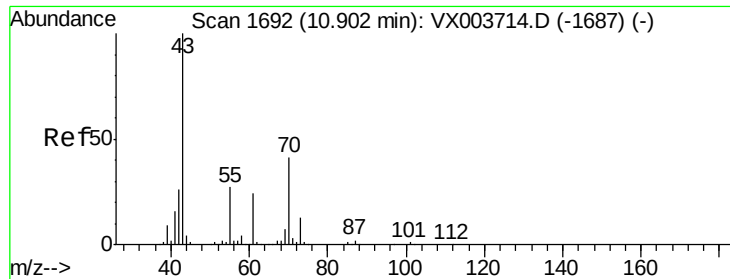
MMDadoda  
7/30/2018 3:42:30 PM



#46  
Methyl methacrylate  
Concen: 108.993 ug/l  
RT: 7.78 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 80.3  | 37.0  | 110.9 |
| 39      | 55.5  | 29.6  | 88.9  |





#47

n-amvl Acetate

Concen: 119.134 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 289547

Ion Ratio Lower Upper

43 100

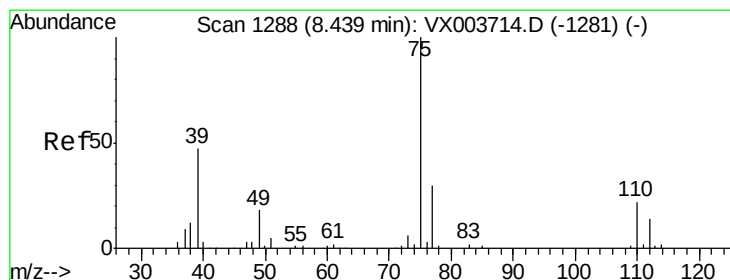
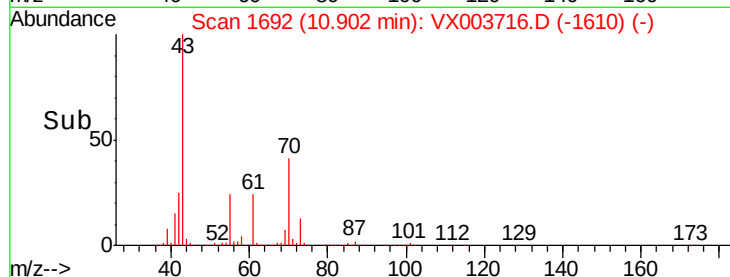
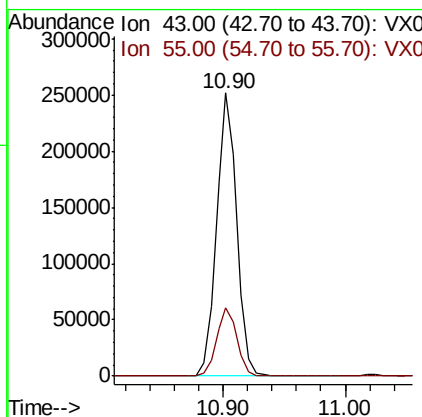
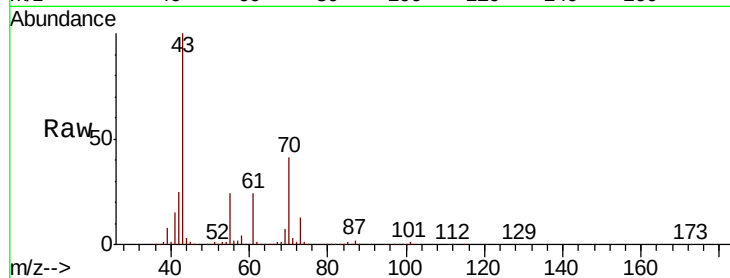
55 24.5 0.1 0.1#

Manual Integrations

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MMDadoda

7/30/2018 3:42:30 PM



#48

t-1,3-Dichloropropene

Concen: 98.115 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003716.D

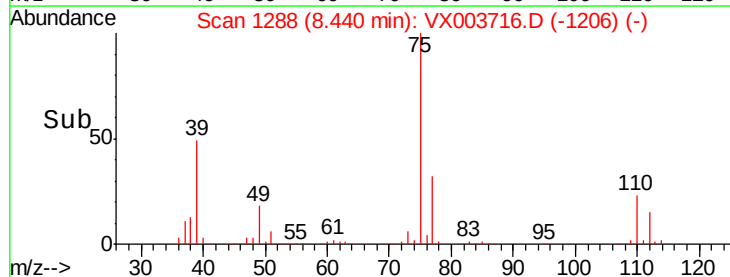
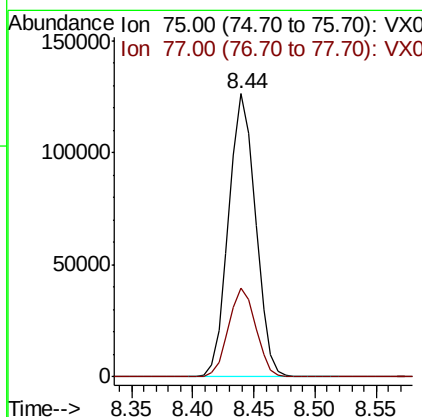
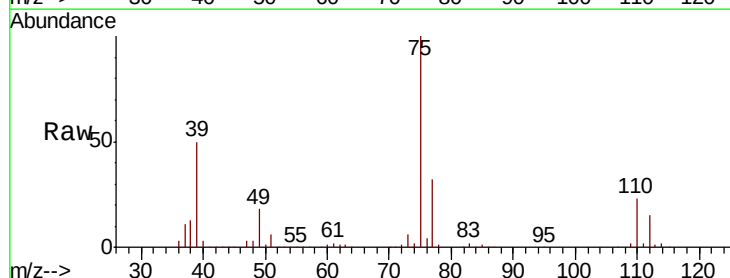
Acq: 27 Jul 2018 14:51

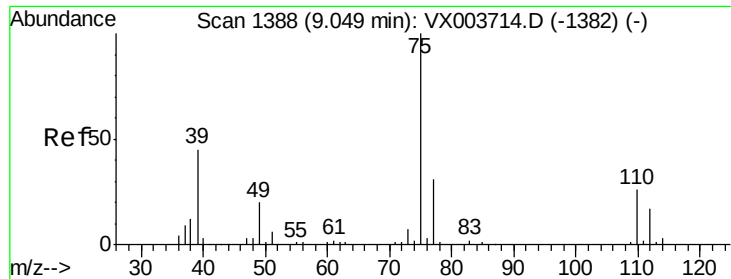
Tgt Ion: 75 Resp: 193398

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4





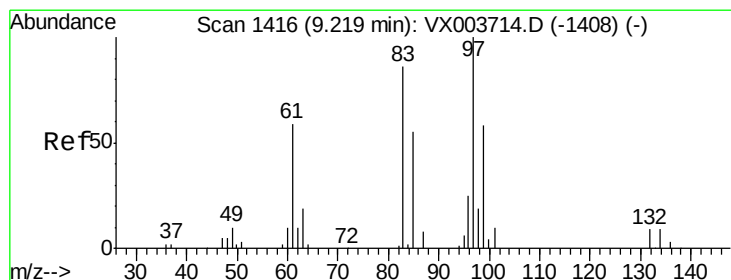
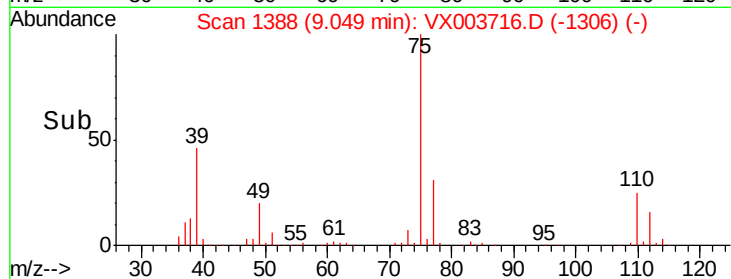
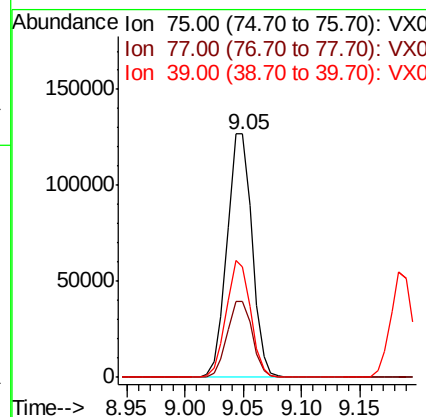
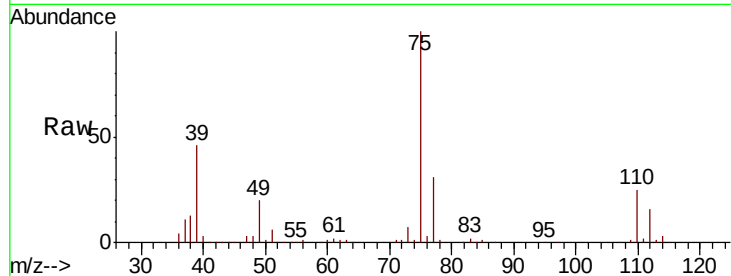
#49  
 cis-1,3-Dichloropropene  
 Concen: 105.791 ug/l  
 RT: 9.05 min Scan# 1388  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.3  | 25.4  | 38.2  |
| 39      | 45.5  | 42.3  | 63.5  |

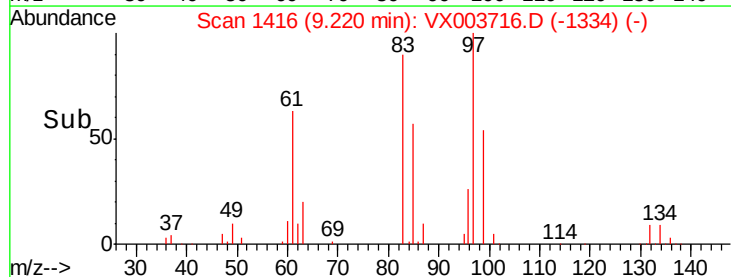
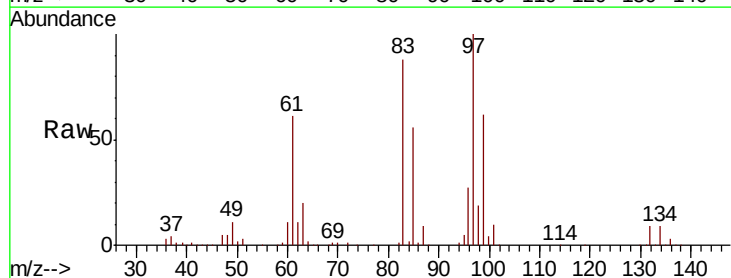
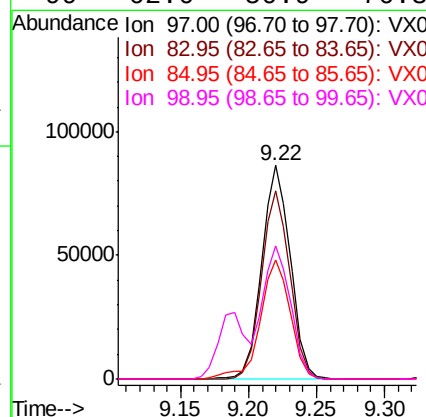
Manual Integrations  
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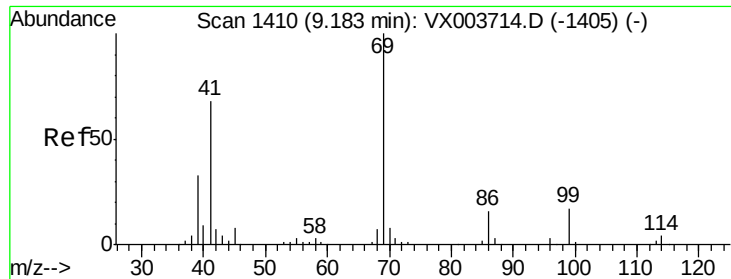
MMDadoda  
 7/30/2018 3:42:30 PM



#50  
 1,1,2-Trichloroethane  
 Concen: 97.596 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.2  | 70.8  | 106.2 |
| 85      | 55.6  | 43.5  | 65.3  |
| 99      | 62.0  | 50.9  | 76.3  |





#51

Ethyl methacrylate

Concen: 108.988 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

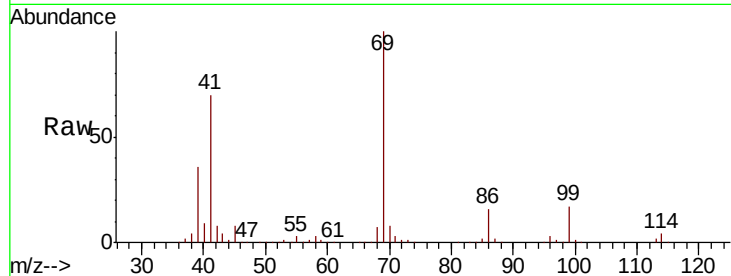
ClientSampleId :

VSTDIC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 69    | Resp: | 207631 |
| Ion Ratio | Lower | Upper |        |
| 69        | 100   |       |        |
| 41        | 69.7  | 39.1  | 117.3  |
| 39        | 35.9  | 21.7  | 65.1   |

Manual Integrations  
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MMDadoda  
7/30/2018 3:42:30 PM

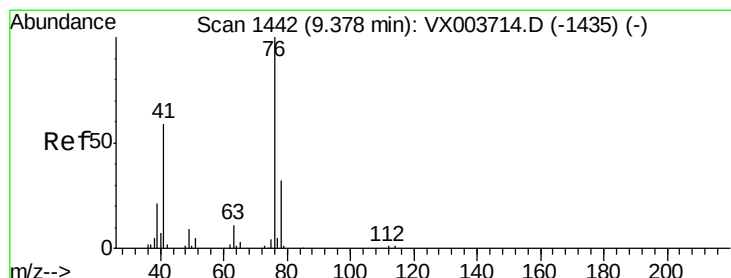
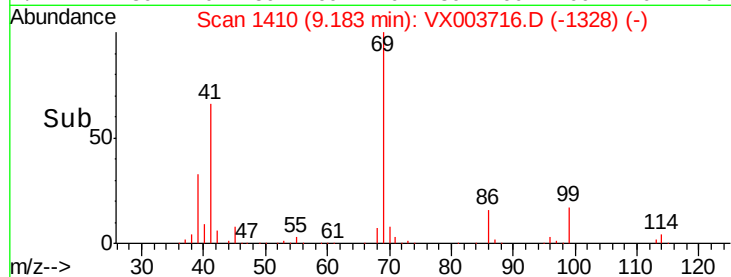
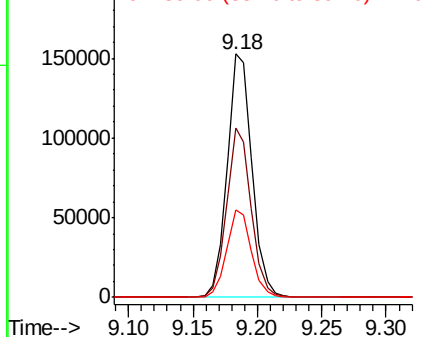


Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 101.503 ug/l

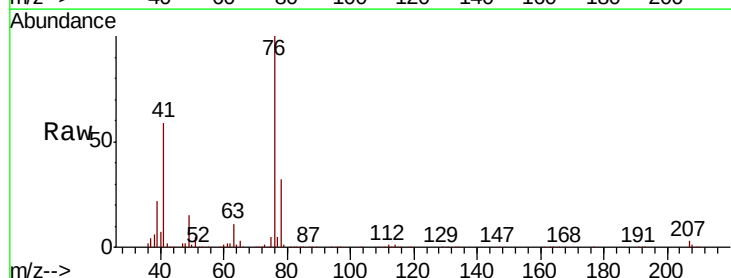
RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

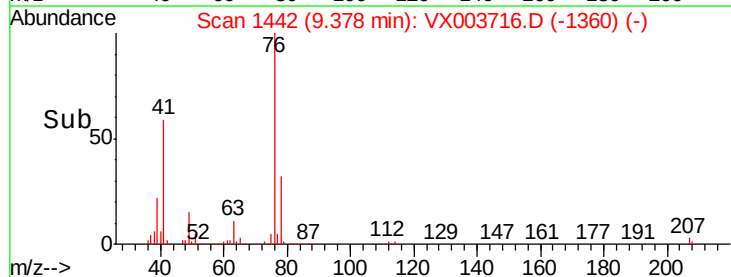
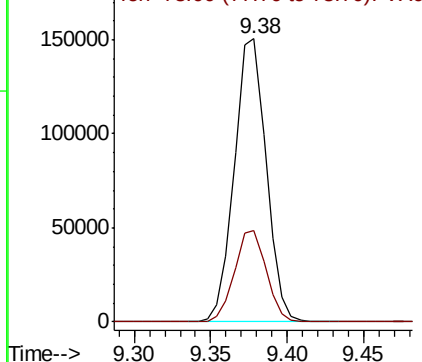
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 76    | Resp: | 217938 |
| Ion Ratio | Lower | Upper |        |
| 76        | 100   |       |        |
| 78        | 32.2  | 0.0   | 63.4   |

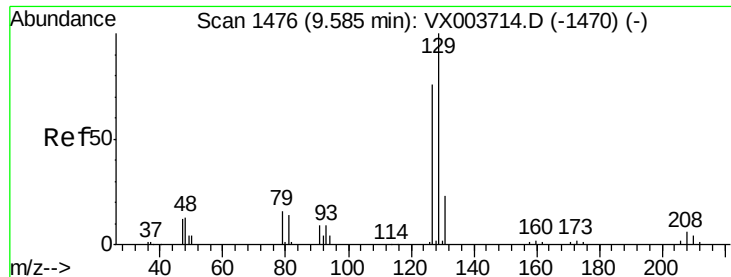


Abundance

Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





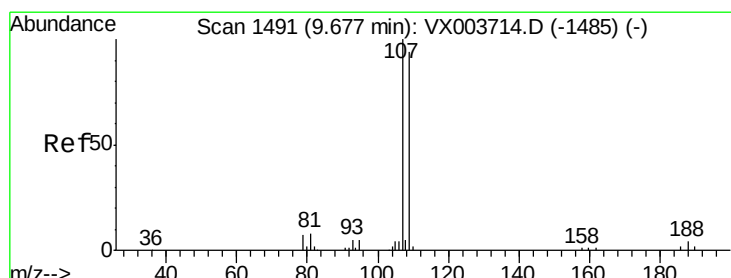
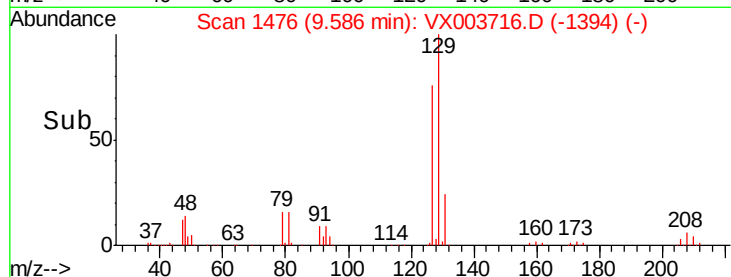
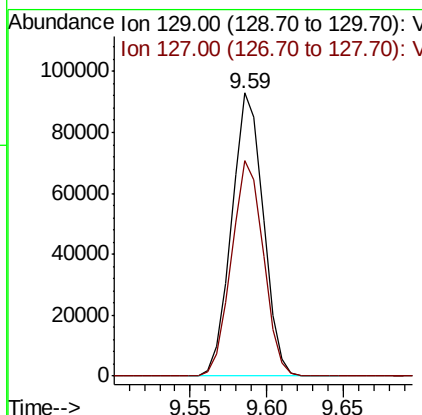
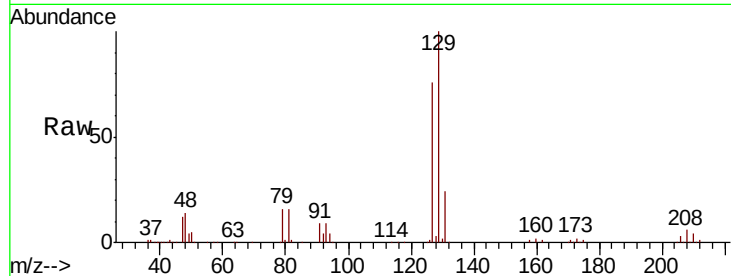
#53  
 Dibromochloromethane  
 Concen: 102.278 ug/l  
 RT: 9.59 min Scan# 1476  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 129     | 100  |       | 133619 |       |       |
| 127     | 76.3 | 38.5  | 115.3  |       |       |

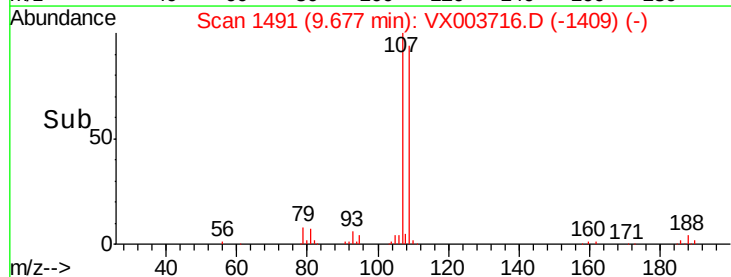
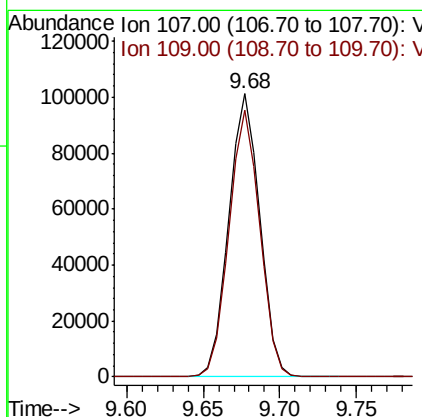
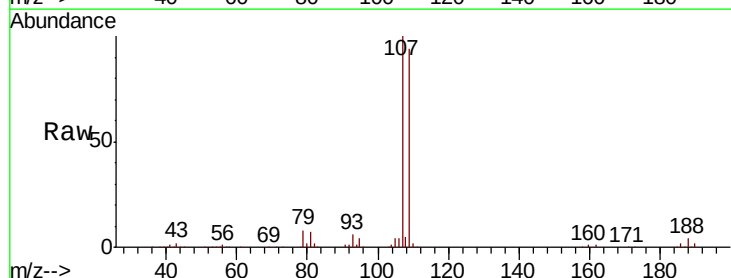
Manual Integrations  
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 7/30/2018 3:42:30 PM

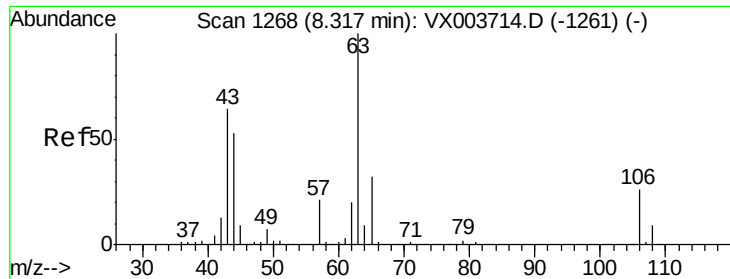


#54  
 1,2-Dibromoethane  
 Concen: 104.575 ug/l  
 RT: 9.68 min Scan# 1491  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 141770 |       |       |
| 109     | 93.9 | 75.5  | 113.3  |       |       |







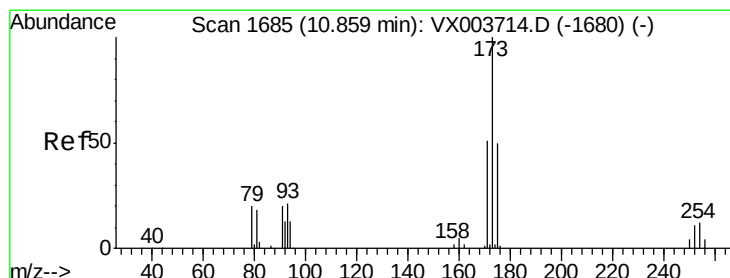
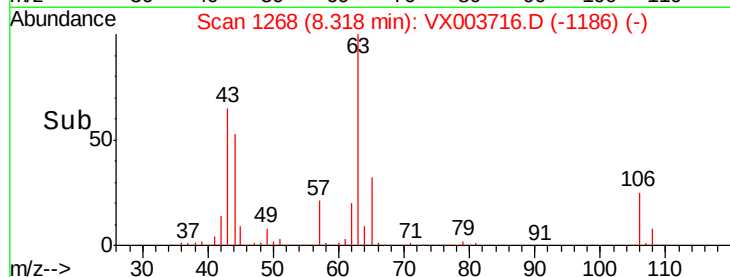
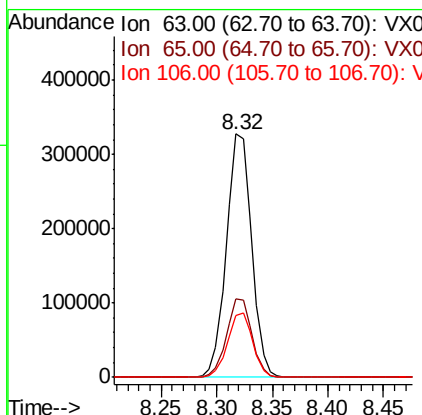
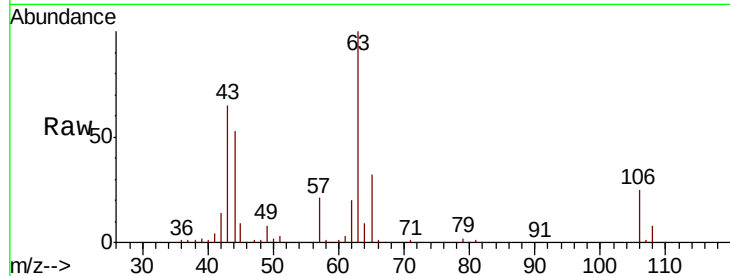
#55  
2-Chloroethyl vinyl ether  
Concen: 571.418 ug/l  
RT: 8.32 min Scan# 1268  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.1  | 25.6  | 38.4  |
| 106     | 26.2  | 21.6  | 32.4  |

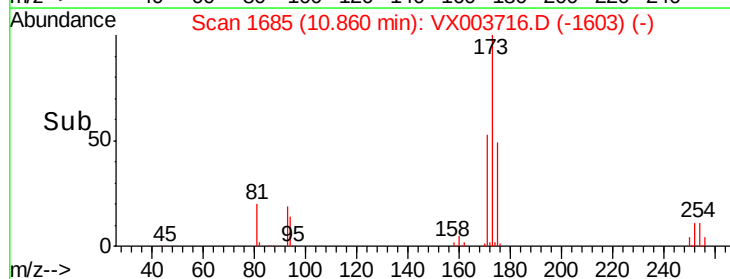
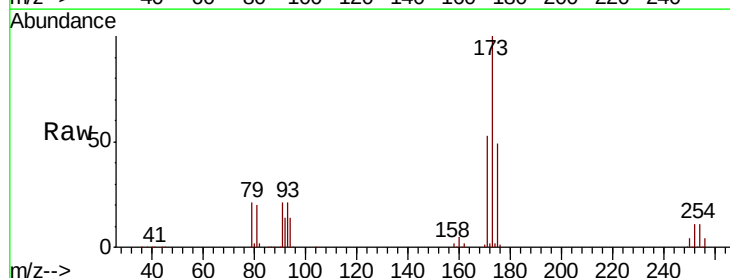
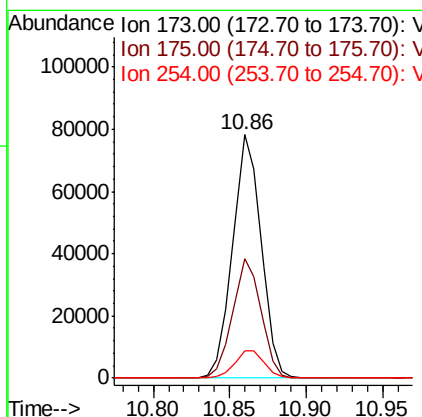
Manual Integrations  
APPROVED

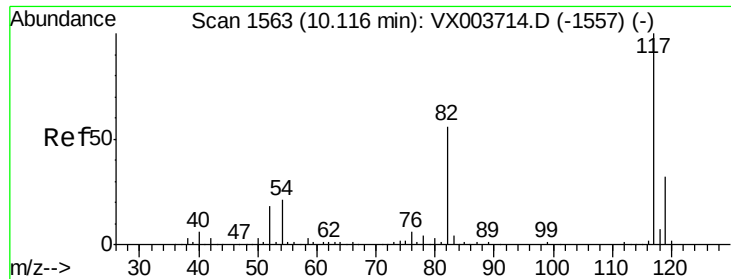
MMDadoda  
7/30/2018 3:42:30 PM



#56  
Bromoform  
Concen: 101.555 ug/l  
RT: 10.86 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 39.0  | 58.4  |
| 254     | 11.6  | 9.6   | 14.4  |





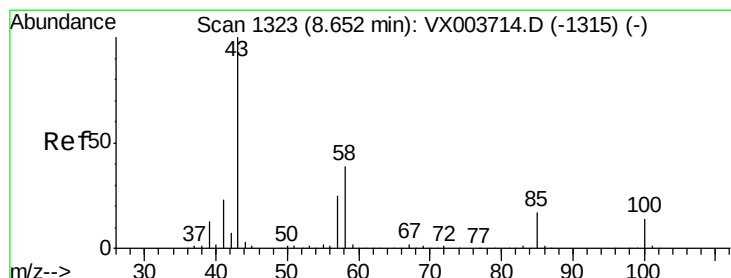
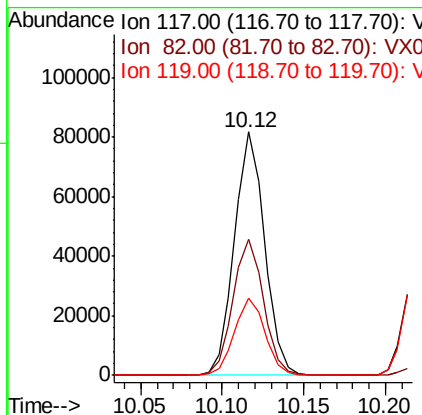
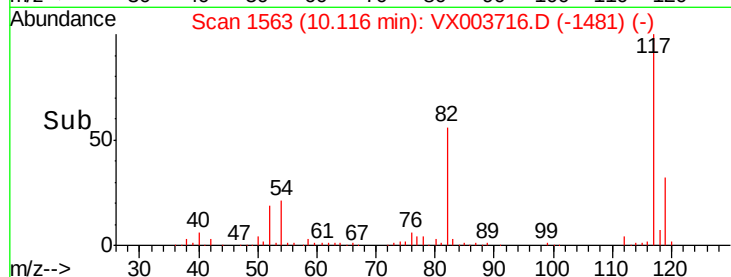
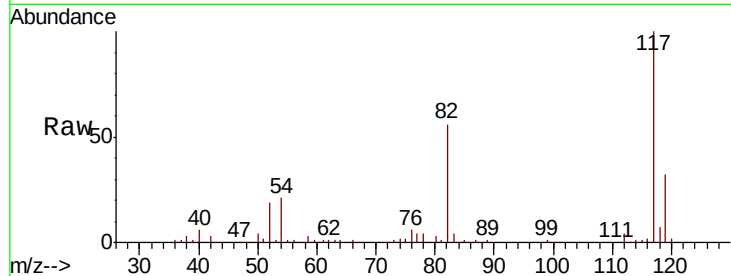
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.5  | 44.3  | 66.5  |
| 119     | 32.0  | 25.7  | 38.5  |

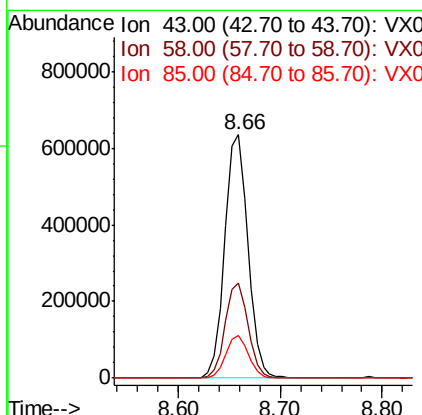
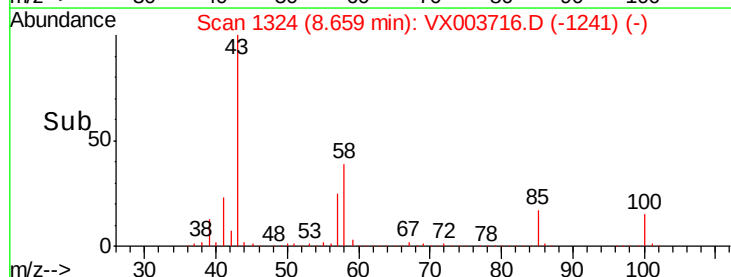
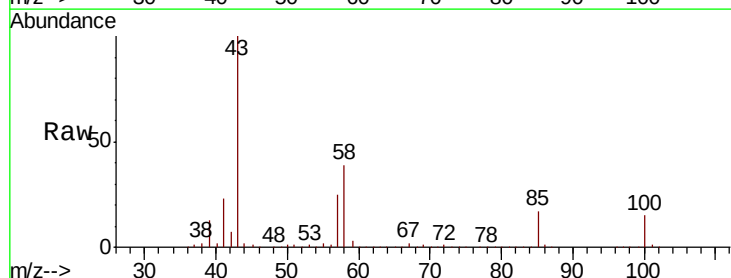
Manual Integrations  
APPROVED

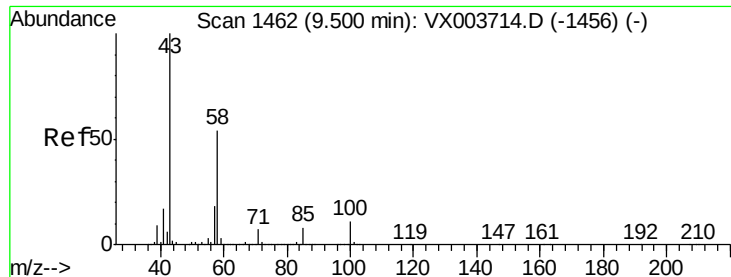
MMDadoda  
7/30/2018 3:42:30 PM



#58  
4-Methyl-2-Pentanone  
Concen: 531.716 ug/l  
RT: 8.66 min Scan# 1324  
Delta R.T. 0.01 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 38.7  | 28.2  | 42.4  |
| 85      | 17.2  | 12.4  | 18.6  |





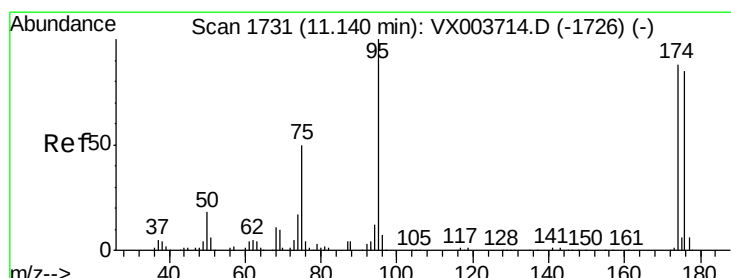
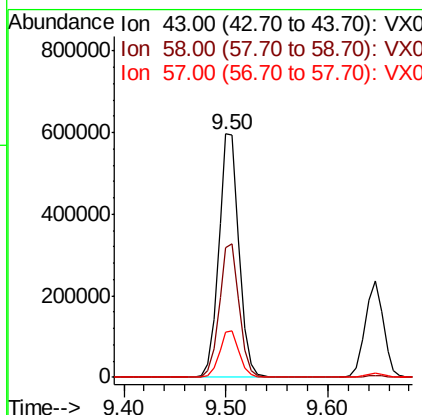
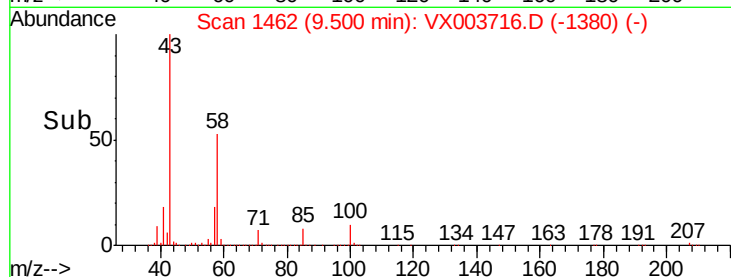
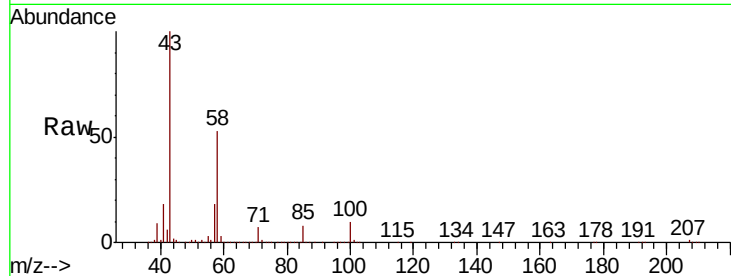
#59  
2-Hexanone  
Concen: 573.276 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 54.1  | 39.6  | 59.4  |
| 57      | 18.7  | 14.1  | 21.1  |

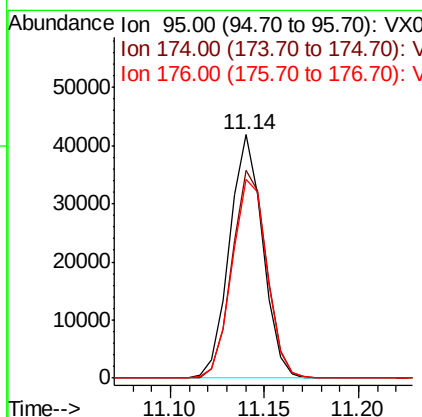
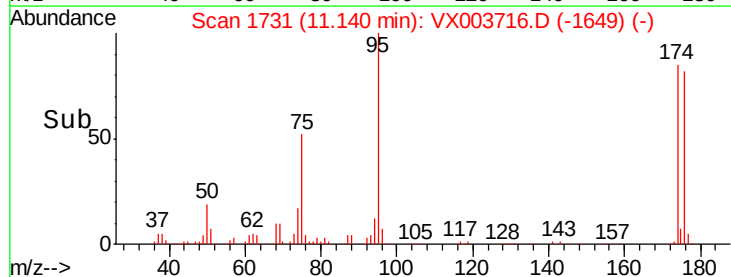
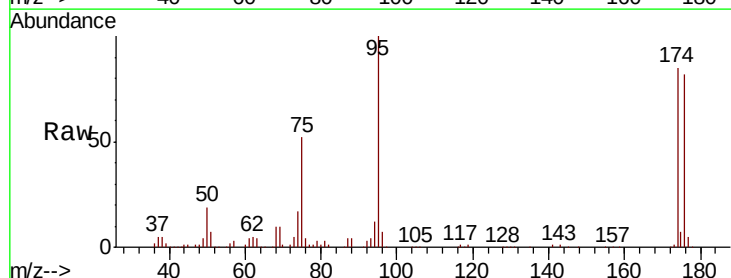
Manual Integrations  
APPROVED

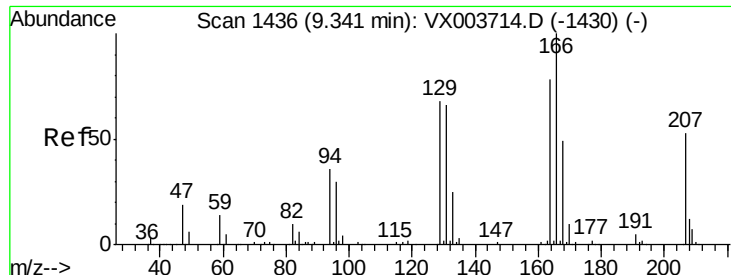
MMDadoda  
7/30/2018 3:42:30 PM



#60  
4-Bromofluorobenzene  
Concen: 30.183 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 88.6  | 71.8  | 107.6 |
| 176     | 86.4  | 70.1  | 105.1 |





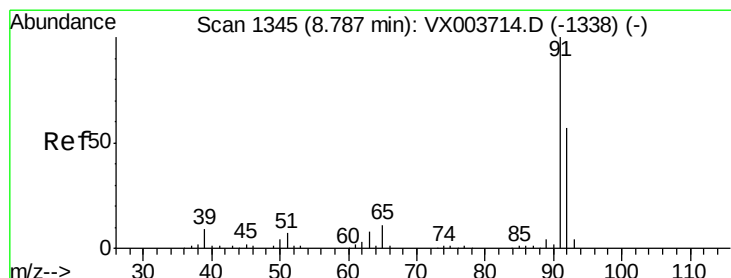
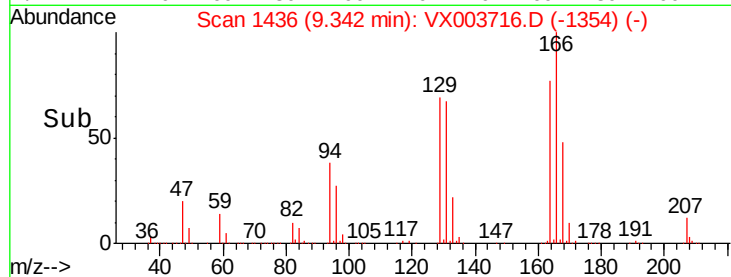
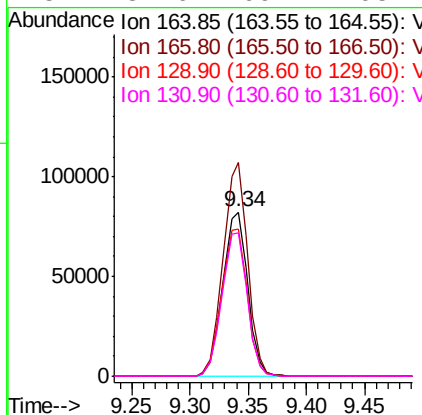
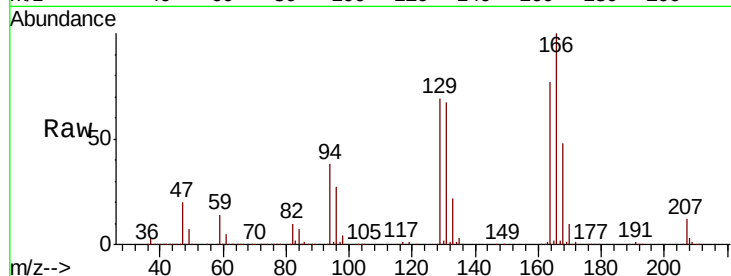
#61  
 Tetrachloroethene  
 Concen: 75.532 ug/l  
 RT: 9.34 min Scan# 1436  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion   | 164   | Resp  | 122143 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 129.9 | 102.4 | 153.6  |
| 129       | 89.6  | 70.1  | 105.1  |
| 131       | 87.6  | 69.1  | 103.7  |

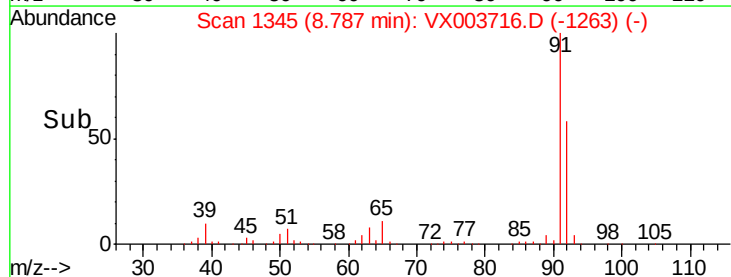
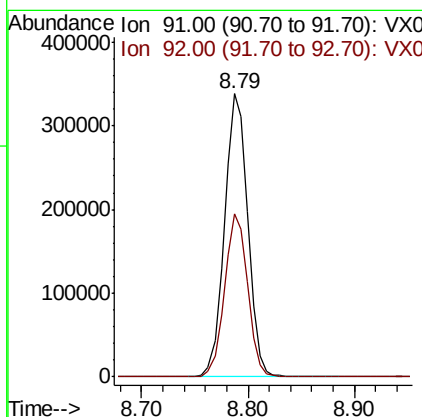
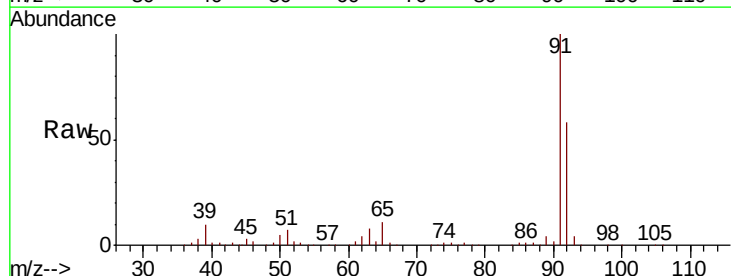
Manual Integrations  
 APPROVED

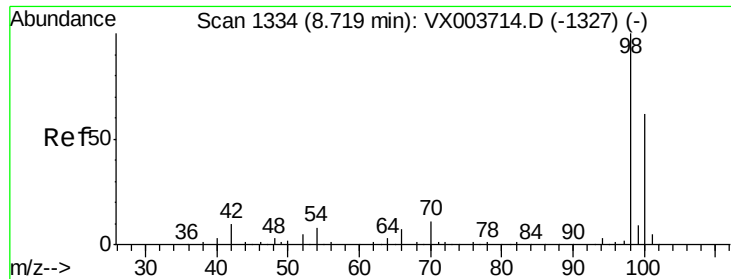
MMDadoda  
 7/30/2018 3:42:30 PM



#62  
 Toluene  
 Concen: 89.596 ug/l  
 RT: 8.79 min Scan# 1345  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion   | 91    | Resp  | 516467 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 92        | 57.3  | 46.5  | 69.7   |





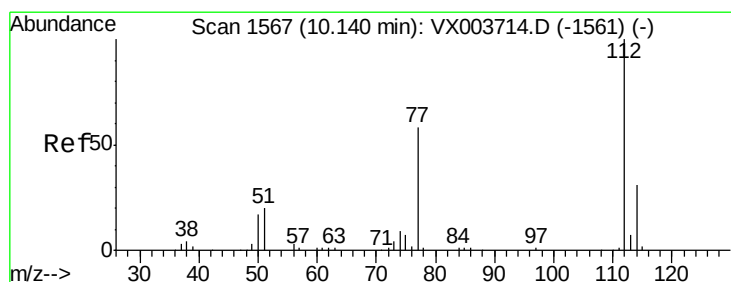
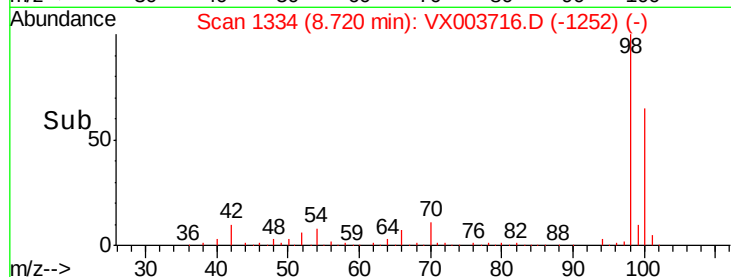
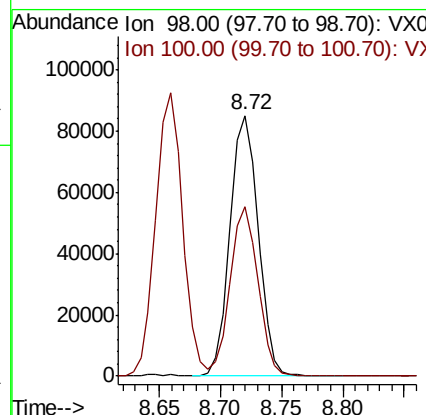
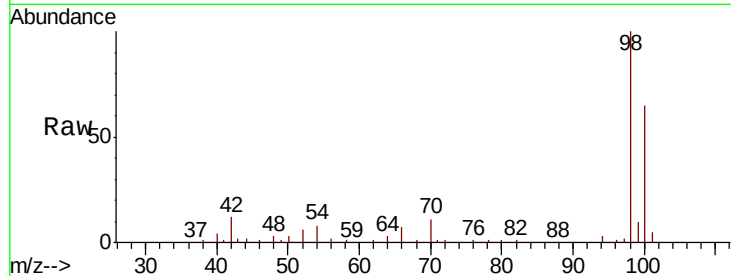
#63  
Toluene-d8  
Concen: 29.128 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tot Ion: 98 Resp: 136053  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.8 76.2

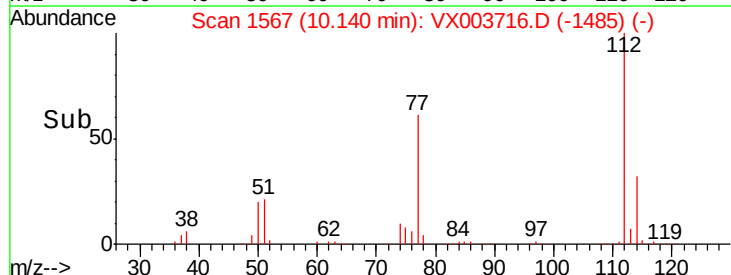
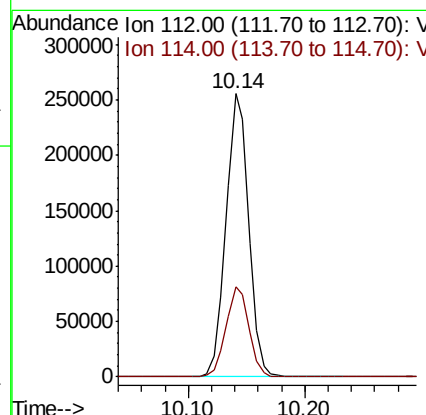
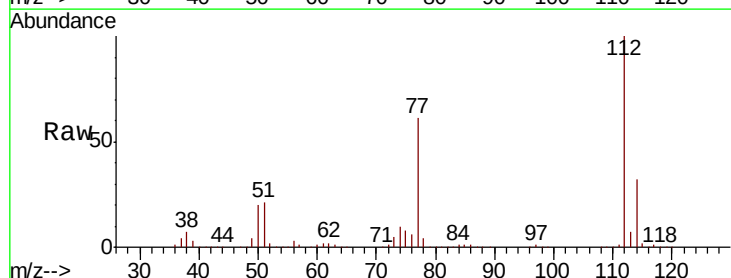
Manual Integrations  
APPROVED

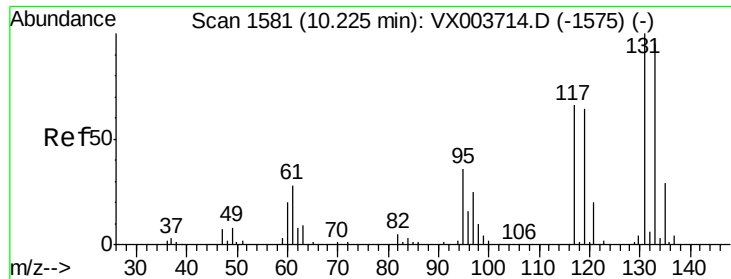
MMDadoda  
7/30/2018 3:42:30 PM



#64  
Chlorobenzene  
Concen: 89.597 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Tgt Ion: 112 Resp: 342011  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 90.564 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

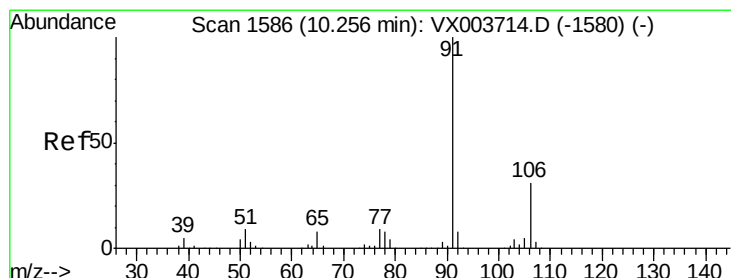
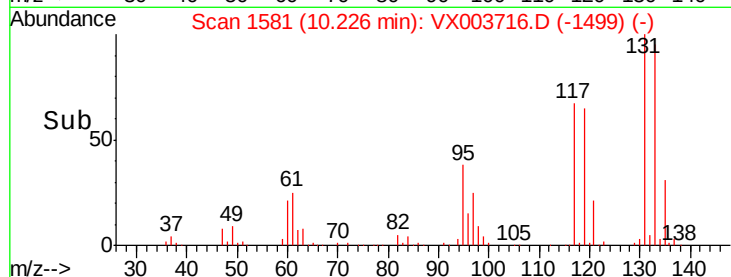
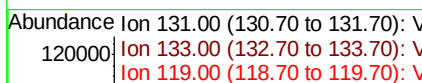
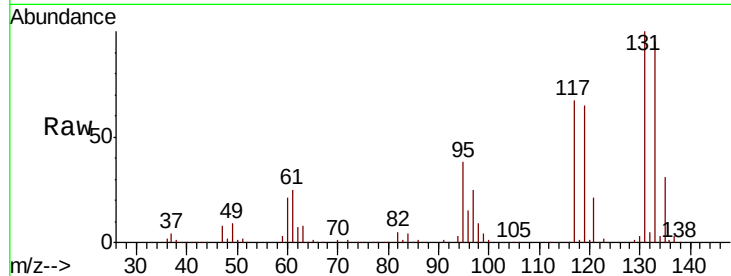
ClientSampleId :

VSTDICC100

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 131   | Resp: | 122620 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 95.2  | 0.0   | 191.2  |
| 119       | 65.5  | 0.0   | 125.4  |

Manual Integrations  
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7/30/2018 3:42:30 PM



#66

Ethyl Benzene

Concen: 96.881 ug/l

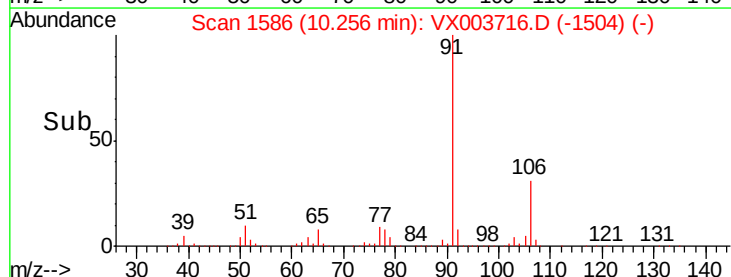
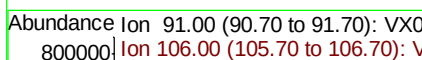
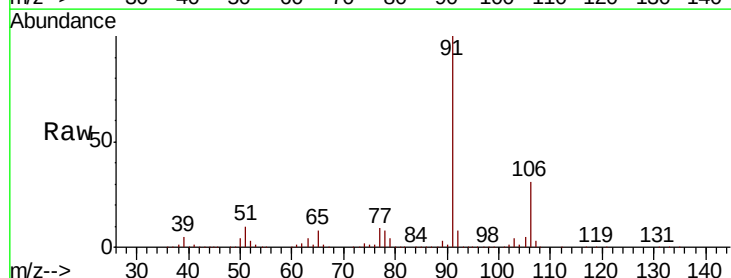
RT: 10.26 min Scan# 1586

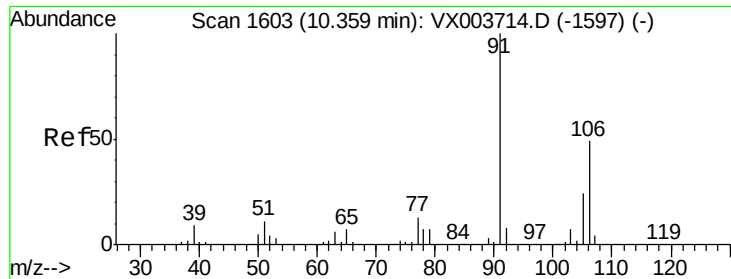
Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 617114 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 31.4  | 25.2  | 37.8   |





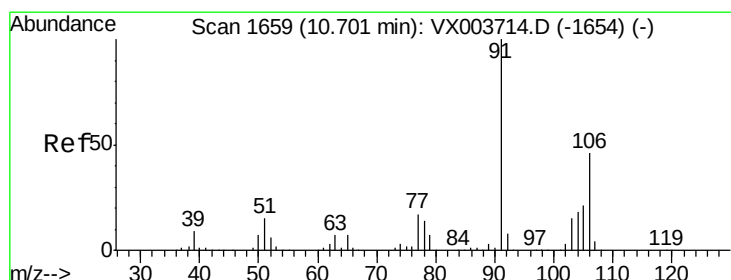
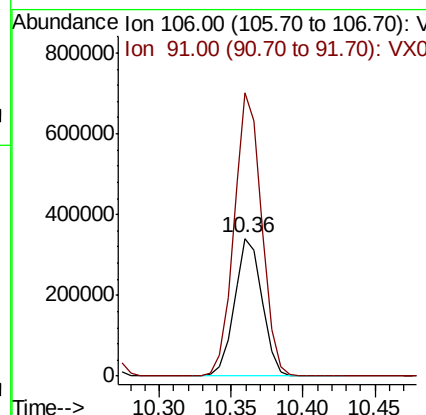
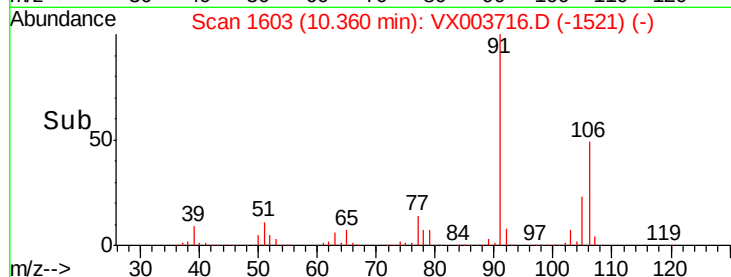
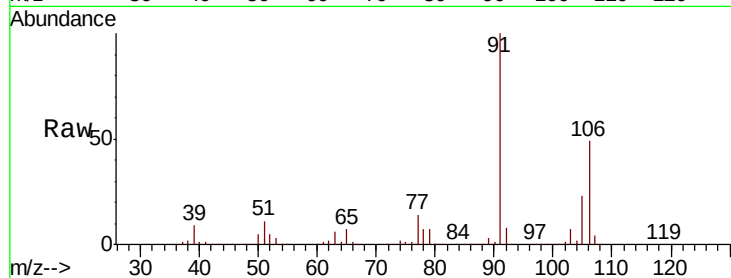
#67  
m/p-Xylenes  
Concen: 184.521 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tot Ion:106 Resp: 457347  
Ion Ratio Lower Upper  
106 100  
91 205.2 164.1 246.1

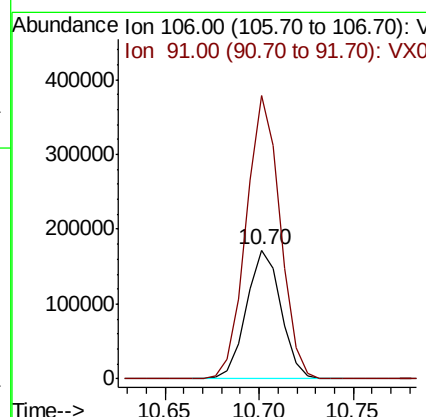
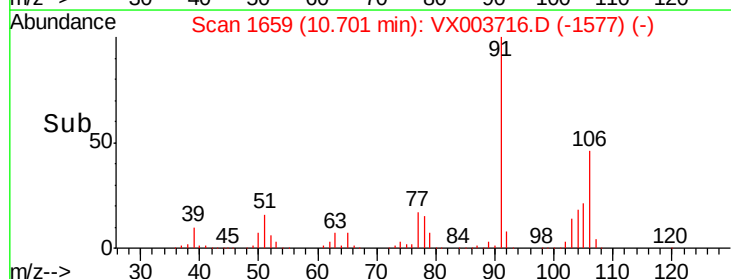
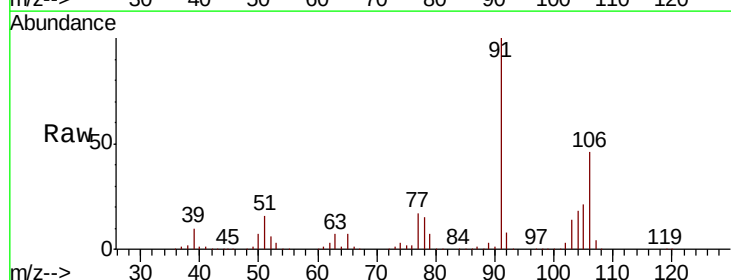
Manual Integrations  
APPROVED

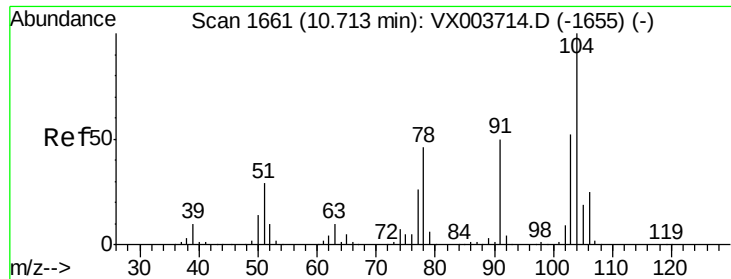
MMDadoda  
7/30/2018 3:42:30 PM



#68  
o-Xylene  
Concen: 91.619 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Tgt Ion:106 Resp: 218489  
Ion Ratio Lower Upper  
106 100  
91 216.0 109.1 327.3





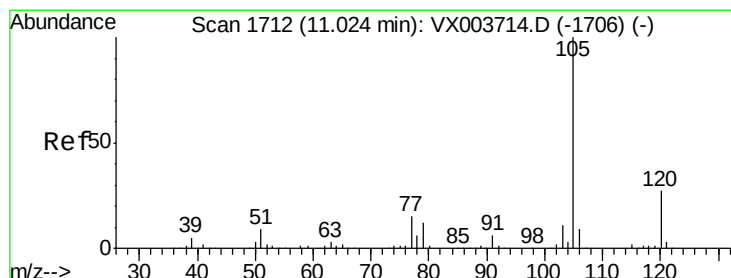
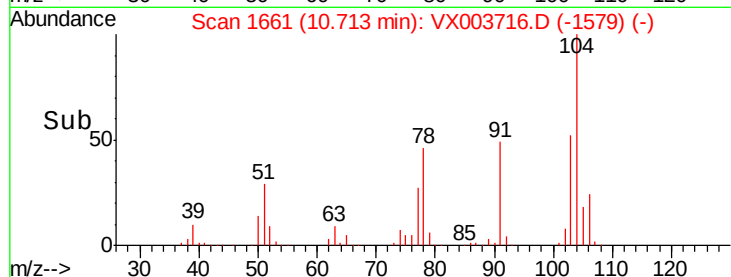
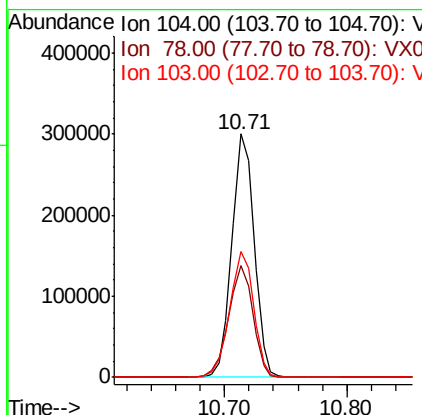
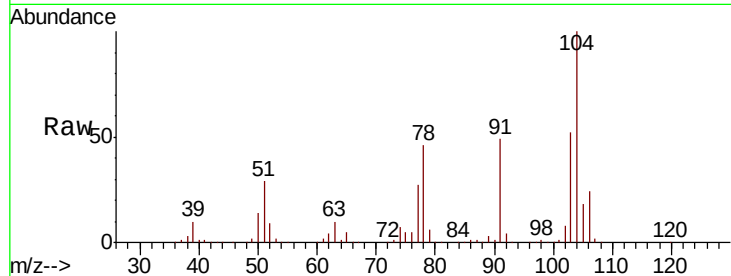
#69  
Stvrene  
Concen: 95.241 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 50.2  | 41.8  | 62.8  |
| 103     | 55.7  | 44.9  | 67.3  |

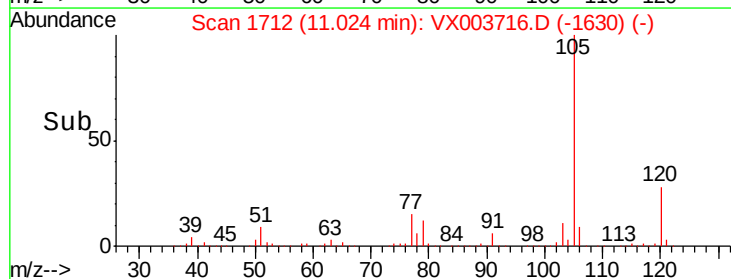
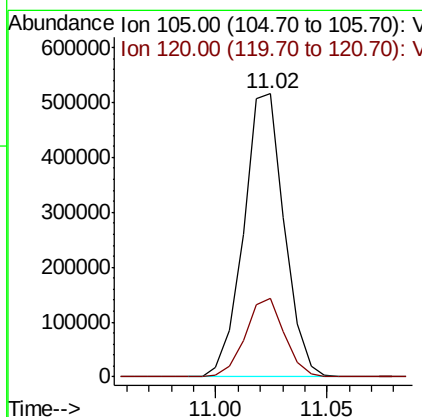
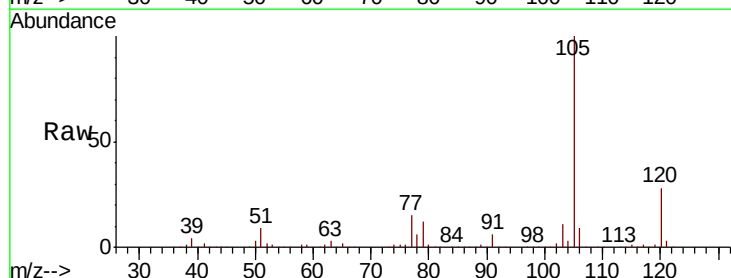
Manual Integrations  
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7/30/2018 3:42:30 PM

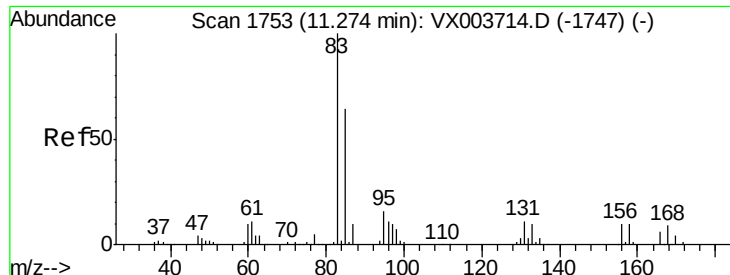


#70  
Isopropylbenzene  
Concen: 103.858 ug/l  
RT: 11.02 min Scan# 1712  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 26.7  | 19.0  | 35.2  |







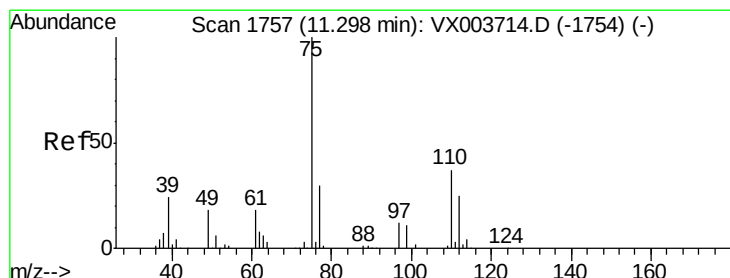
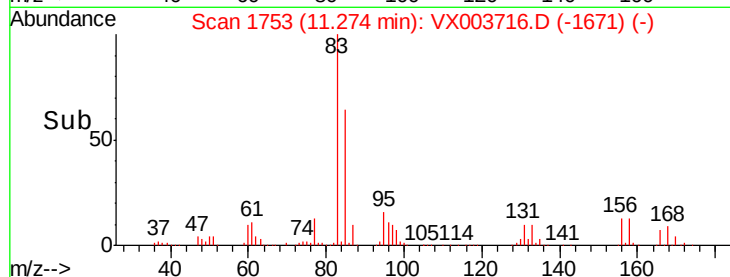
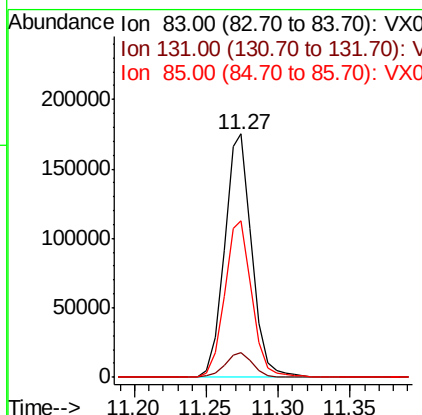
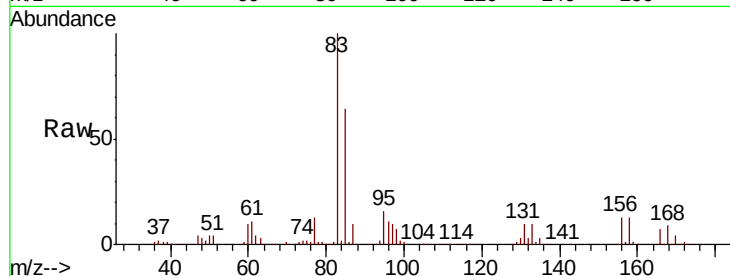
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 117.050 ug/l  
 RT: 11.27 min Scan# 1753  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 232133 |       |       |
| 131     | 10.1  | 5.4    | 16.2  |       |
| 85      | 64.8  | 32.4   | 97.2  |       |

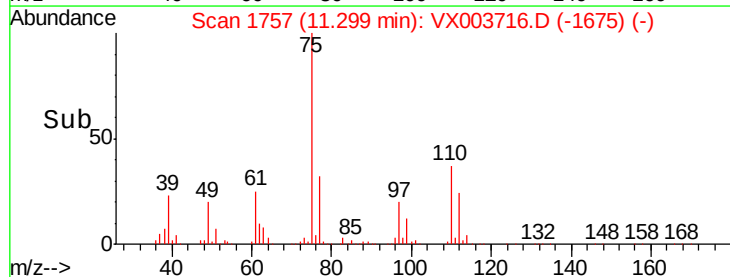
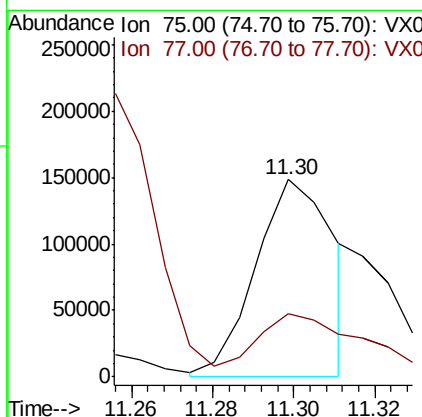
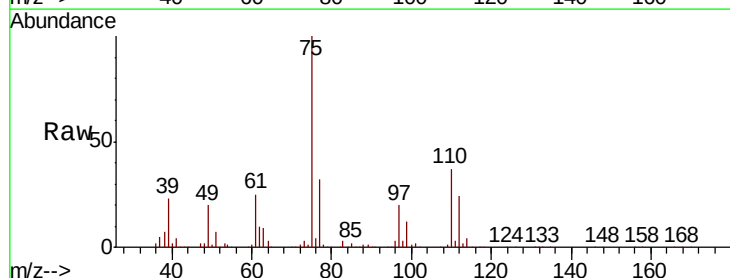
Manual Integrations  
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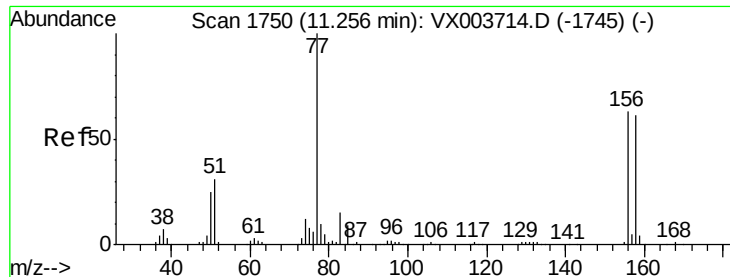
MMDadoda  
 7/30/2018 3:42:30 PM



#72  
 1,2,3-Trichloropropane  
 Concen: 85.206 ug/l m  
 RT: 11.30 min Scan# 1757  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 197644 |       |       |
| 77      | 44.2  | 0.0    | 71.8  |       |





#73

Bromobenzene

Concen: 100.661 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 176933

Ion Ratio Lower Upper

156 100

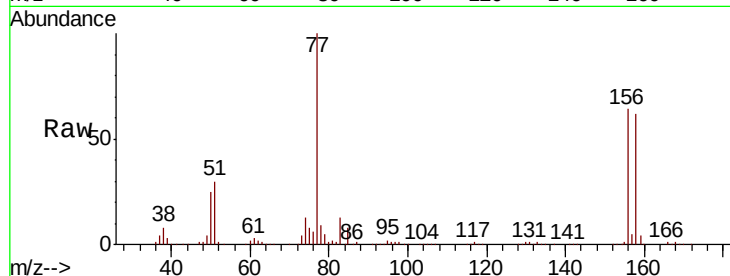
77 149.6 0.0 301.0

158 97.8 0.0 196.2

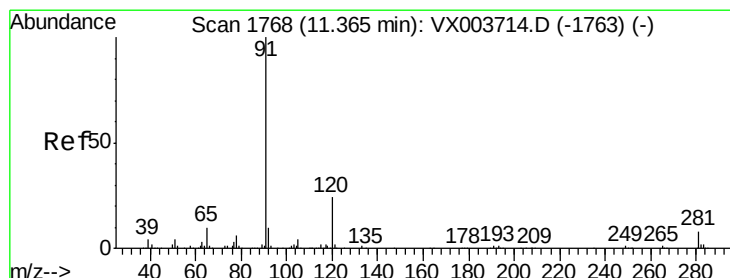
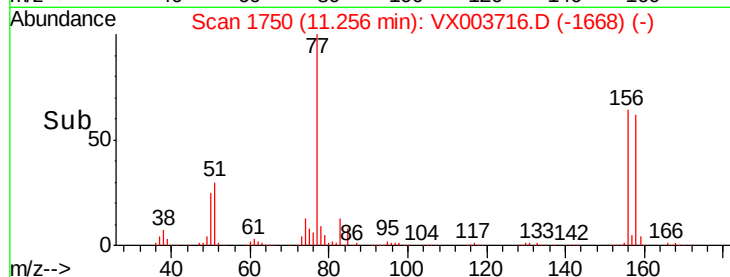
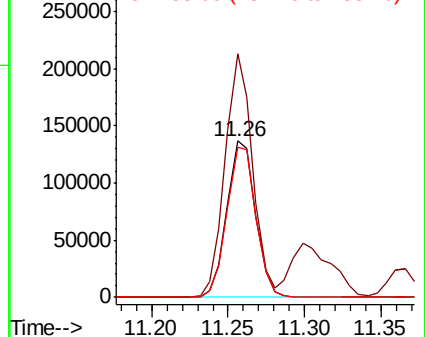
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Abundance Ion 156.00 (155.70 to 156.70): V  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 104.155 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003716.D

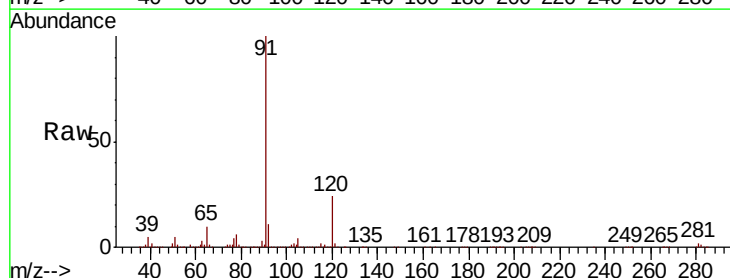
Acq: 27 Jul 2018 14:51

Tgt Ion: 91 Resp: 767103

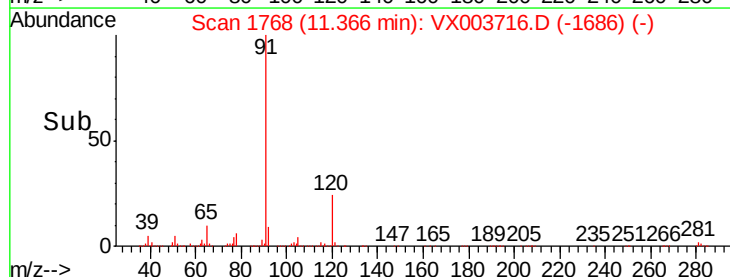
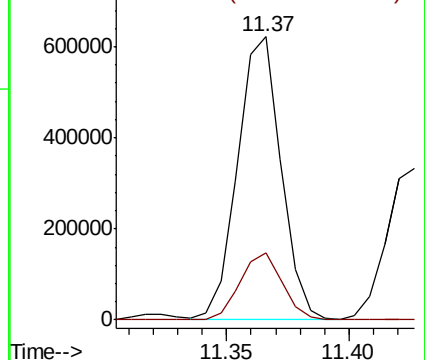
Ion Ratio Lower Upper

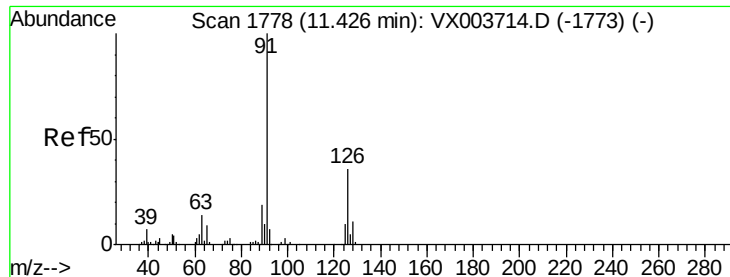
91 100

120 23.0 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 96.695 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tot Ion: 91 Resp: 425984

Ion Ratio Lower Upper

91 100

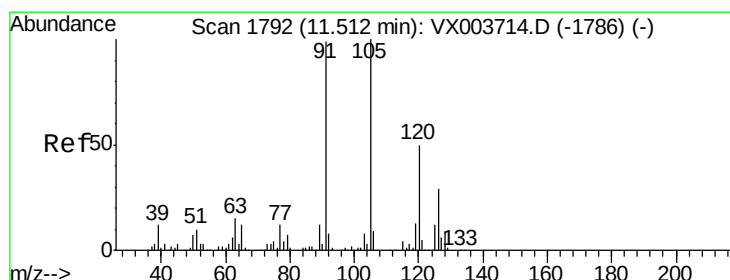
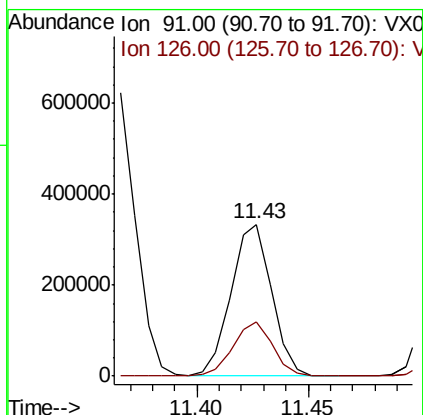
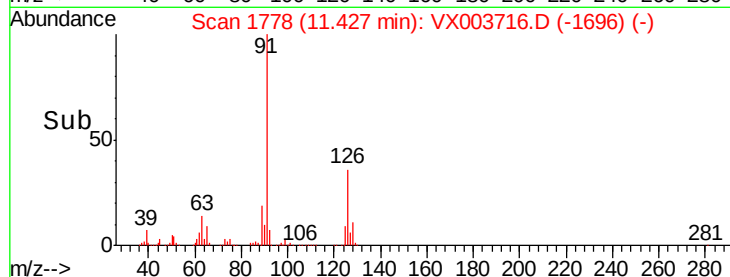
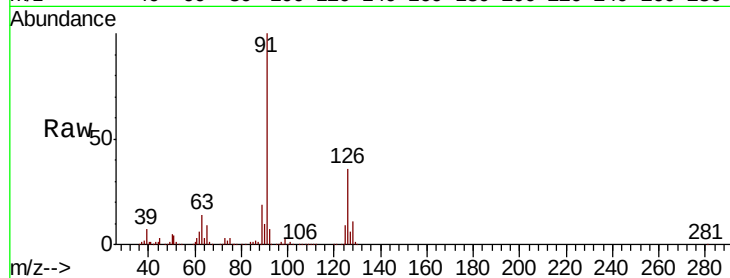
126 34.6 0.0 69.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 101.213 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003716.D

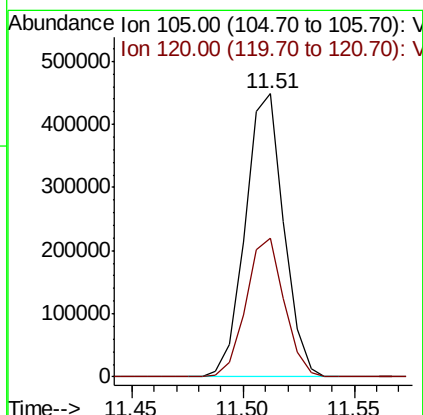
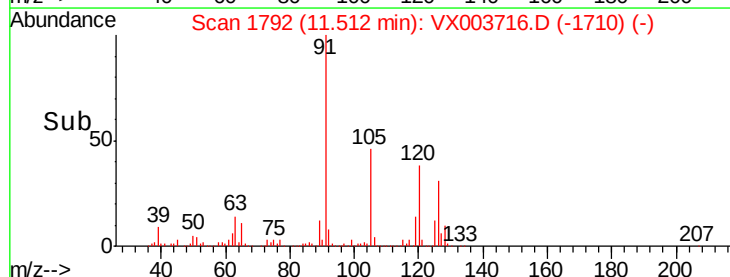
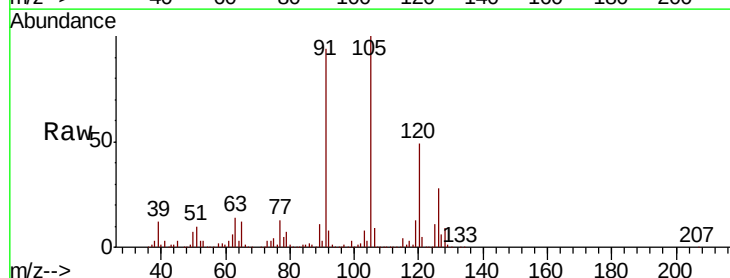
Acq: 27 Jul 2018 14:51

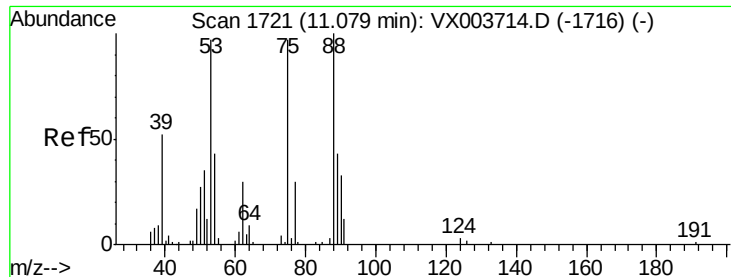
Tgt Ion: 105 Resp: 541576

Ion Ratio Lower Upper

105 100

120 48.6 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 123.720 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

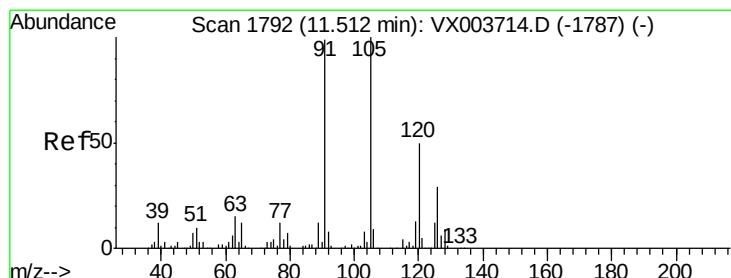
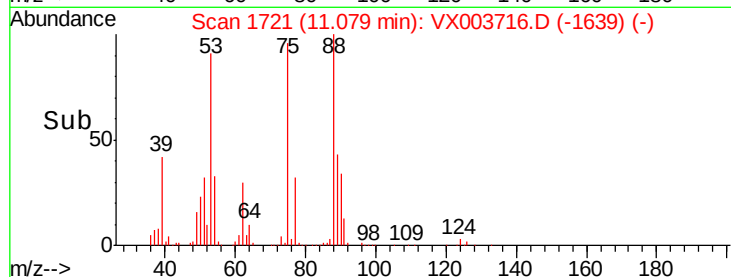
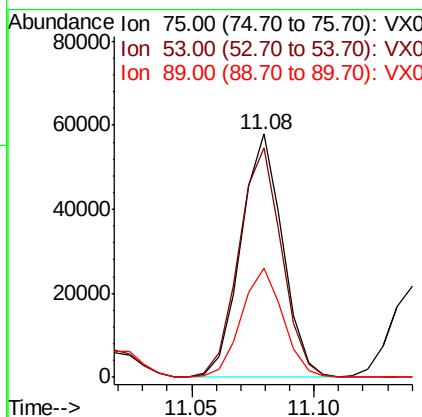
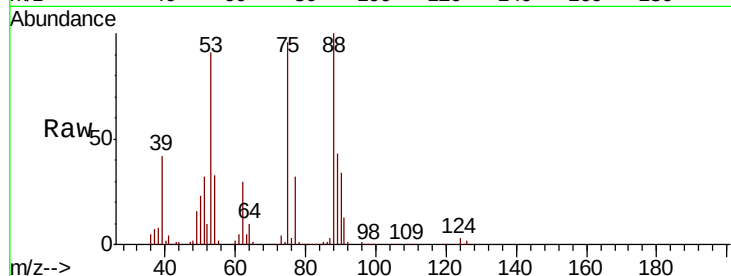
ClientSampleId :

VSTDIC100

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 68537 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 94.2  | 48.3  | 144.9 |
| 89       | 45.0  | 21.8  | 65.4  |

Manual Integrations  
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#78

4-Chlorotoluene

Concen: 99.314 ug/l

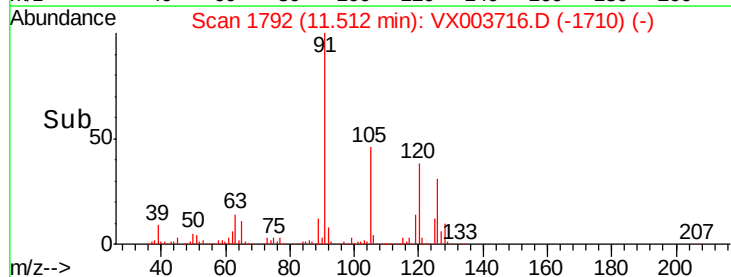
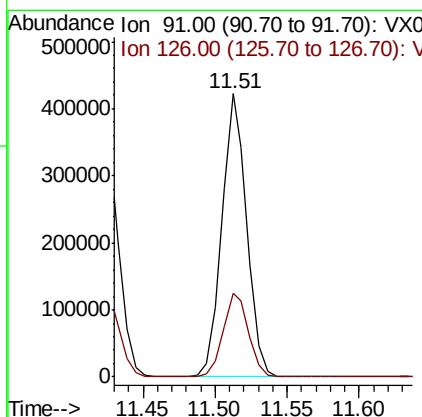
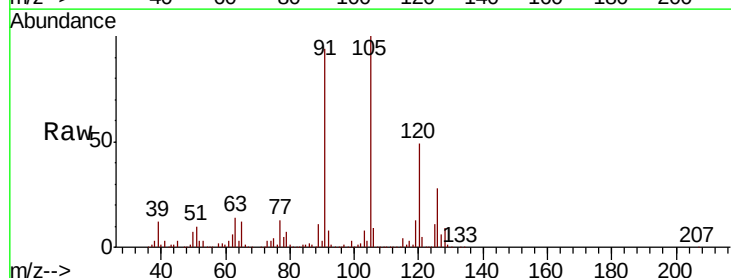
RT: 11.51 min Scan# 1792

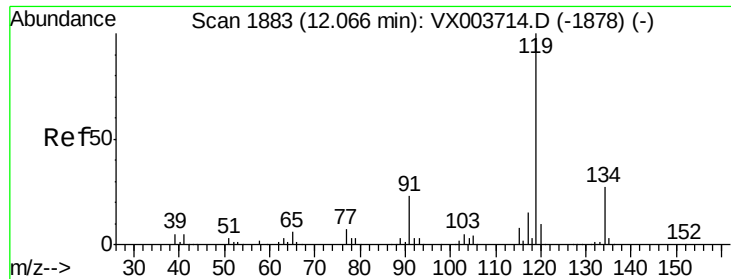
Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 511084 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 30.3  | 0.0   | 61.0   |





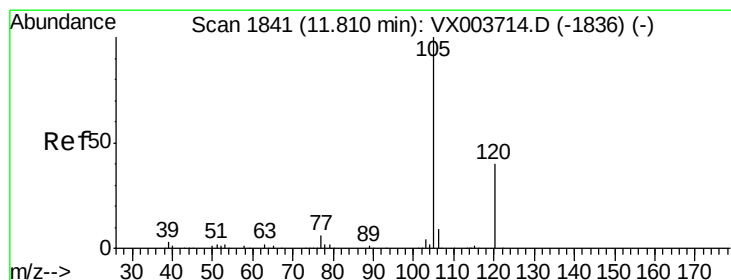
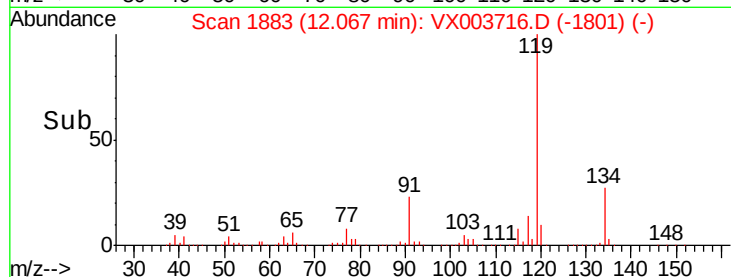
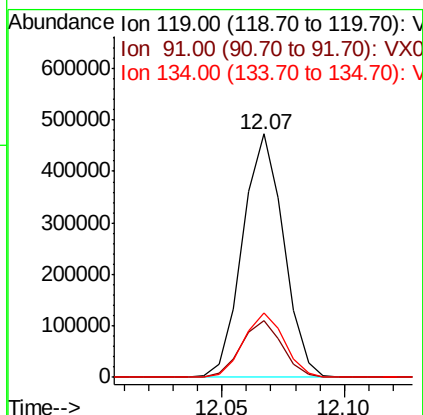
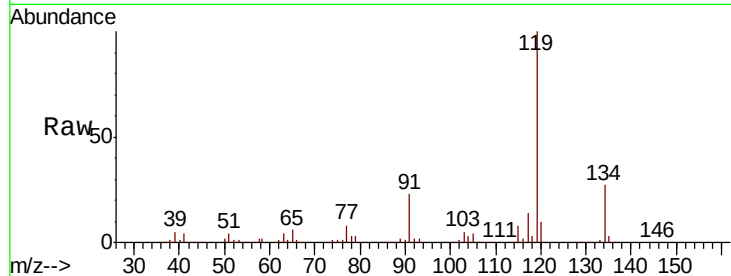
#79  
tert-butylbenzene  
Concen: 96.948 ug/l  
RT: 12.07 min Scan# 1883  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 23.3  | 0.0   | 48.0  |
| 134     | 26.4  | 0.0   | 52.6  |

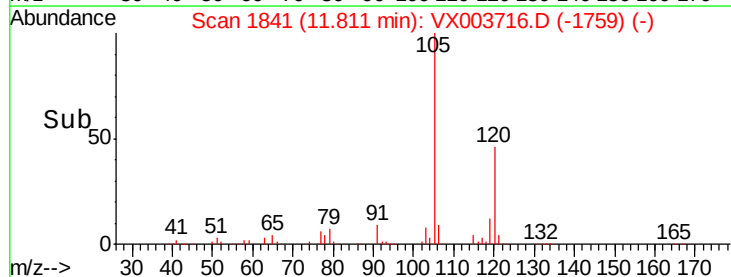
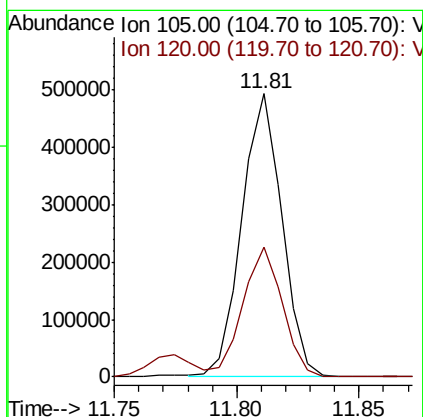
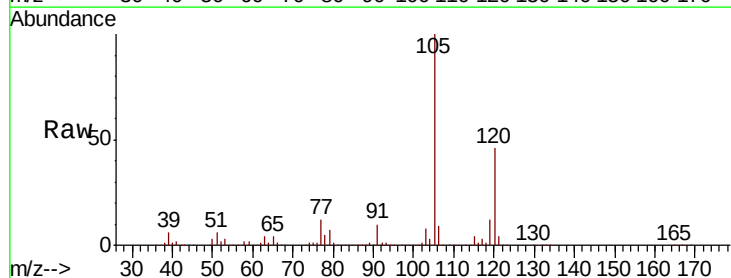
Manual Integrations  
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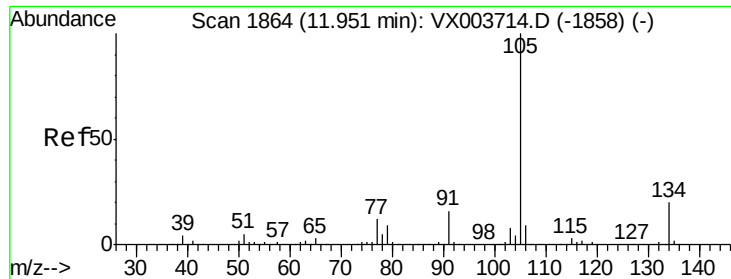
MMDadoda  
7/30/2018 3:42:30 PM



#80  
1,2,4-Trimethylbenzene  
Concen: 103.552 ug/l  
RT: 11.81 min Scan# 1841  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.6  | 0.0   | 89.2  |





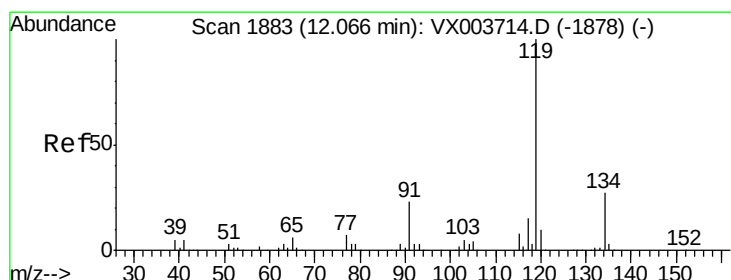
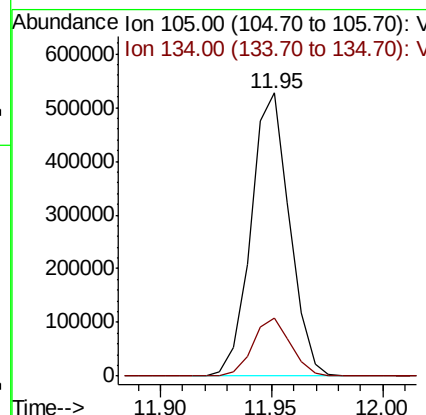
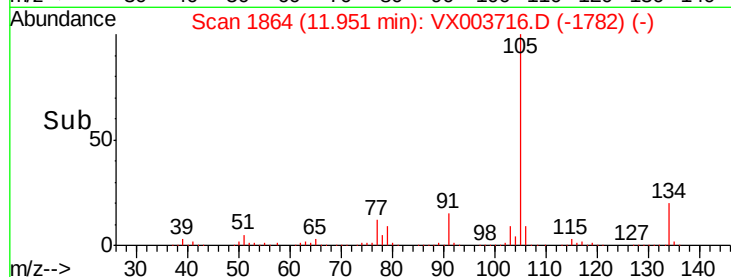
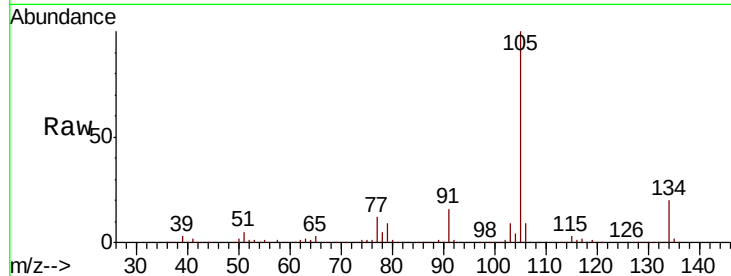
#81  
 sec-Butylbenzene  
 Concen: 100.401 ug/l  
 RT: 11.95 min Scan# 1864  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.2  | 0.0   | 41.6  |

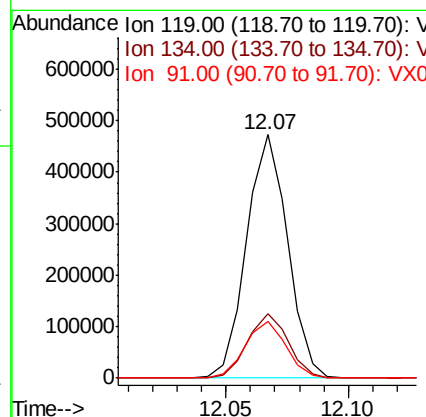
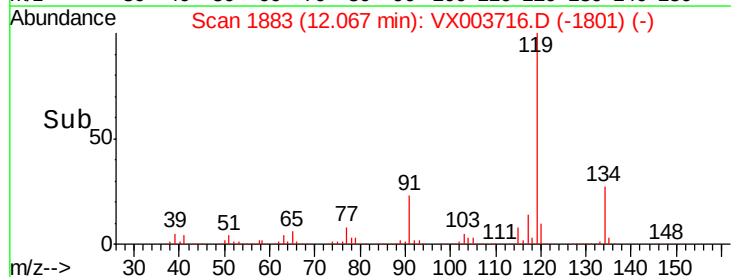
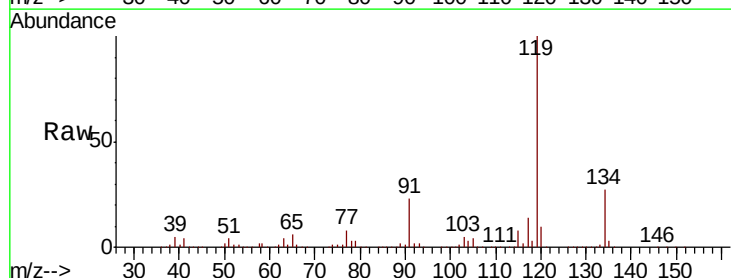
Manual Integrations  
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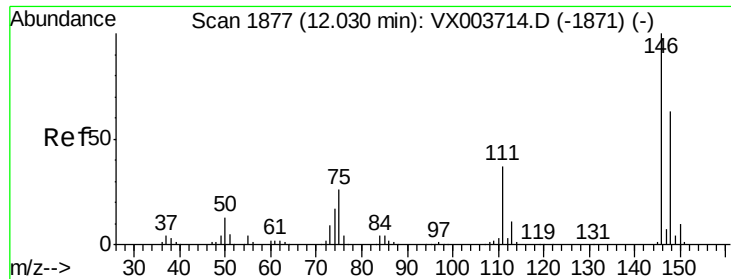
MMDadoda  
 7/30/2018 3:42:30 PM



#82  
 p-Isopropyltoluene  
 Concen: 96.948 ug/l  
 RT: 12.07 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.4  | 0.0   | 52.6  |
| 91      | 23.3  | 0.0   | 48.0  |





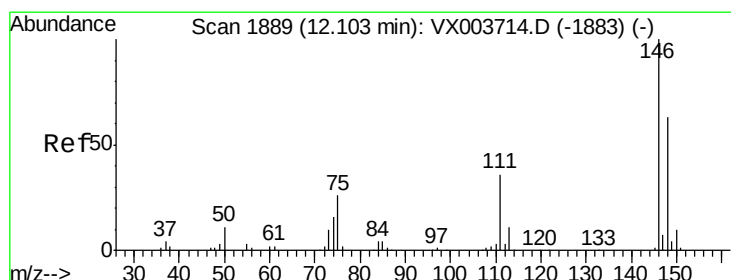
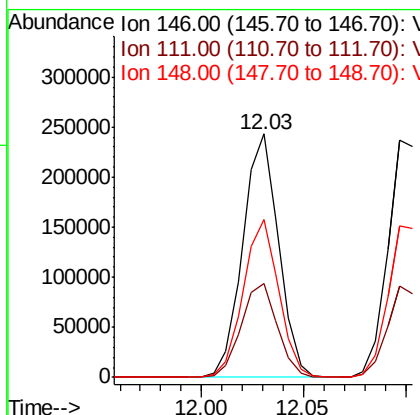
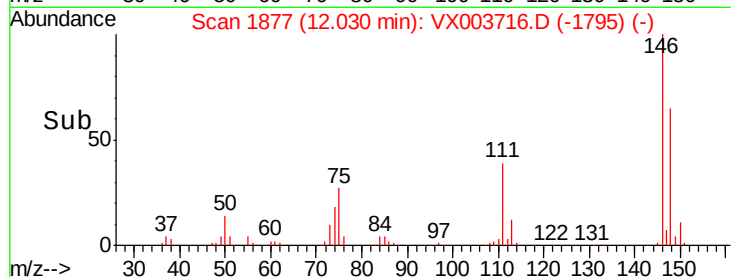
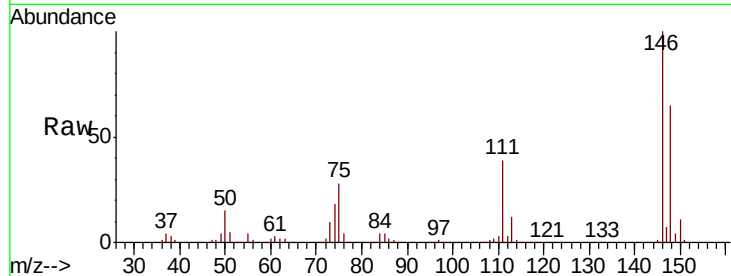
#83  
 1,3-Dichlorobenzene  
 Concen: 90.885 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 19.1  | 57.5  |
| 148     | 64.3  | 31.9  | 95.7  |

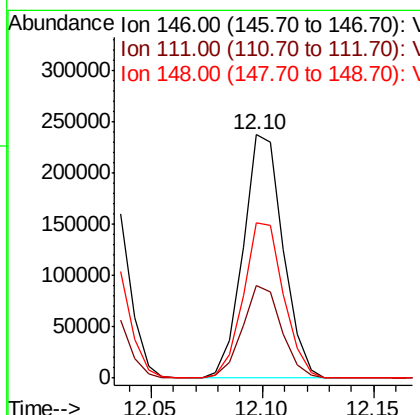
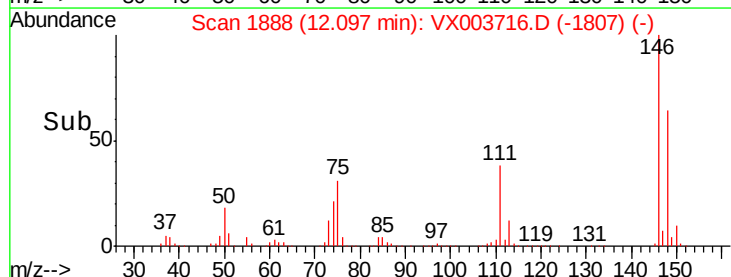
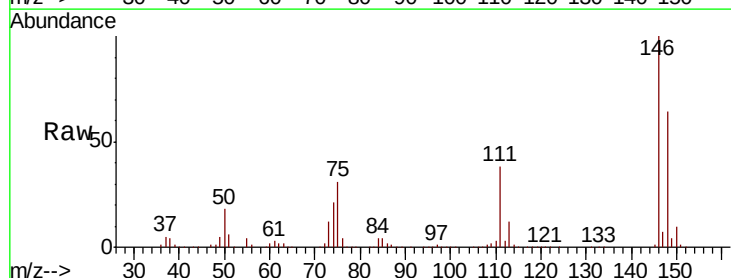
Manual Integrations  
 APPROVED

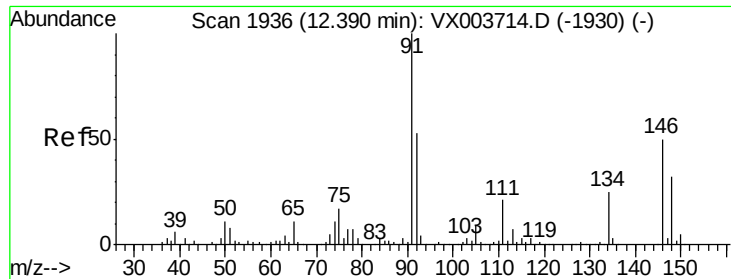
MMDadoda  
 7/30/2018 3:42:30 PM



#84  
 1,4-Dichlorobenzene  
 Concen: 90.720 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. -0.01 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.5  | 55.5  |
| 148     | 64.0  | 32.0  | 96.0  |





#85

n-Butylbenzene

Concen: 101.925 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003716.D

Acq: 27 Jul 2018 14:51

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 507138

Ion Ratio Lower Upper

91 100

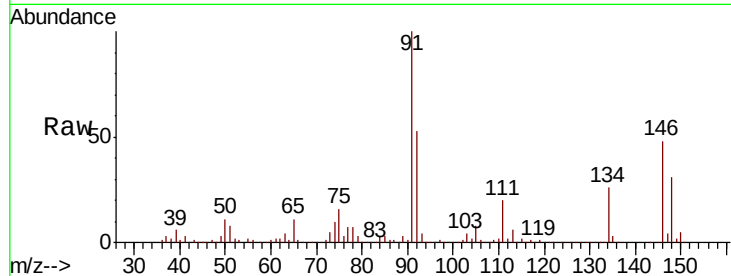
92 52.5 0.0 105.2

134 25.8 0.0 53.2

Manual Integrations  
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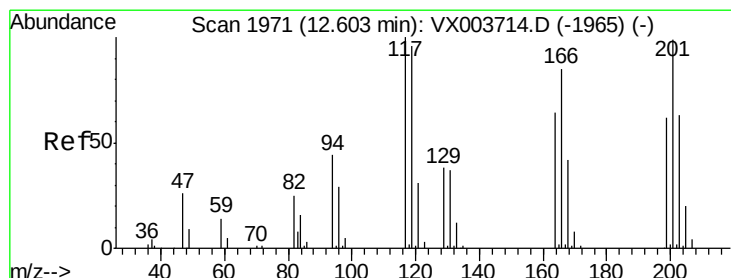
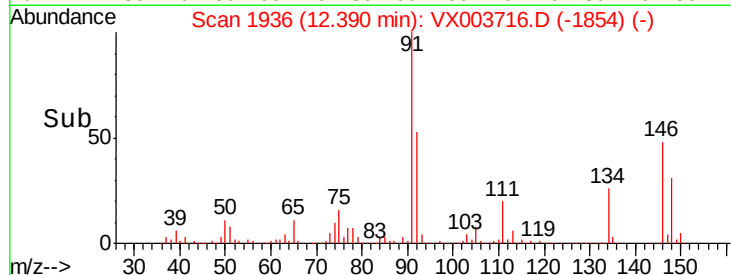
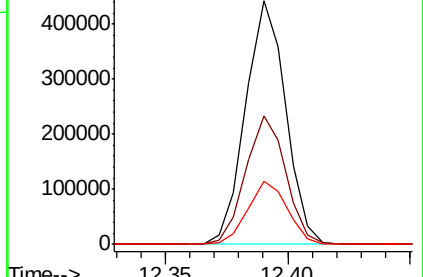
7/30/2018 3:42:30 PM



Abundance Ion 91.00 (90.70 to 91.70): VX003714.D (-1930) (-)

Ion 92.00 (91.70 to 92.70): VX003714.D (-1930) (-)

Ion 134.00 (133.70 to 134.70): VX003714.D (-1930) (-)



#86

Hexachloroethane

Concen: 107.482 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.01 min

Lab File: VX003716.D

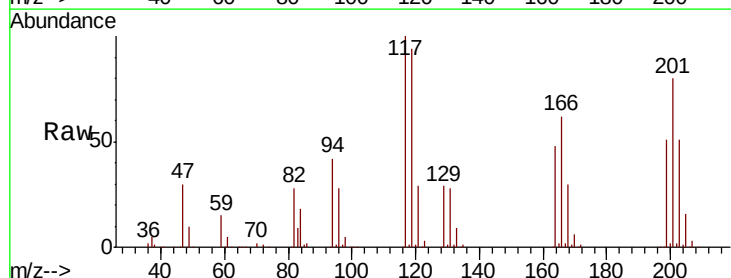
Acq: 27 Jul 2018 14:51

Tgt Ion: 117 Resp: 89661

Ion Ratio Lower Upper

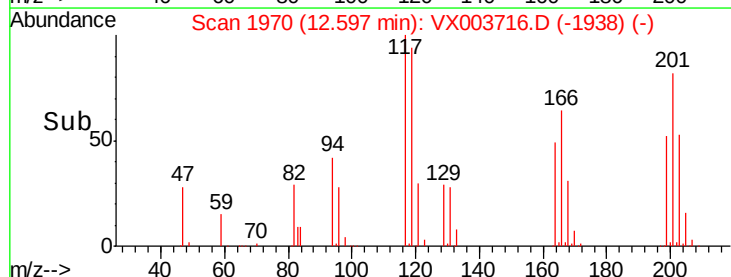
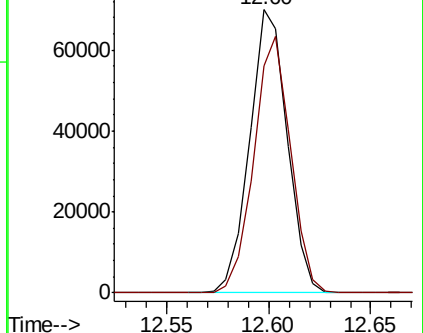
117 100

201 88.7 47.6 142.8

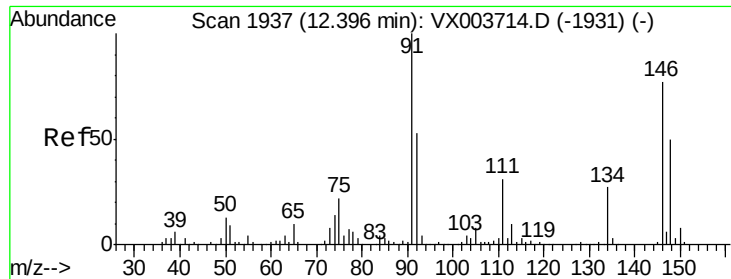


Abundance Ion 117.00 (116.70 to 117.70): VX003714.D (-1965) (-)

Ion 201.00 (200.70 to 201.70): VX003714.D (-1965) (-)







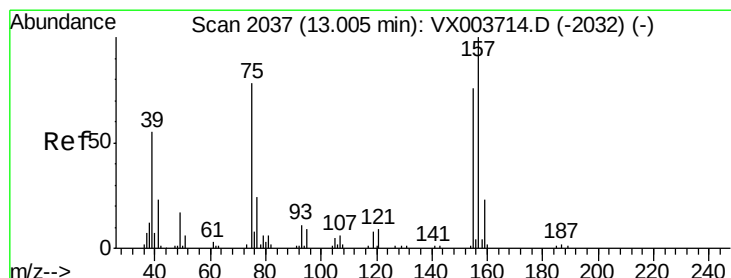
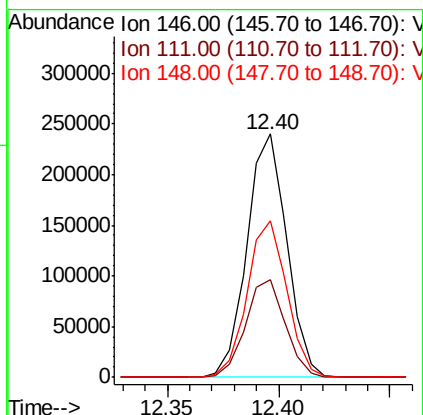
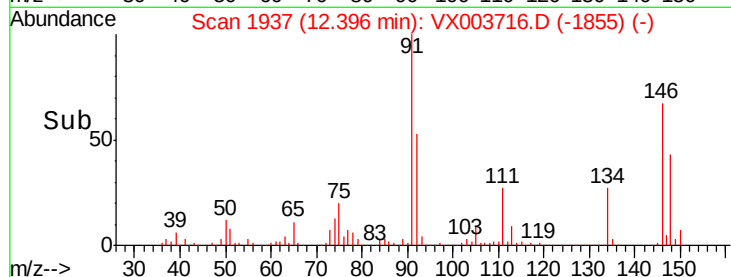
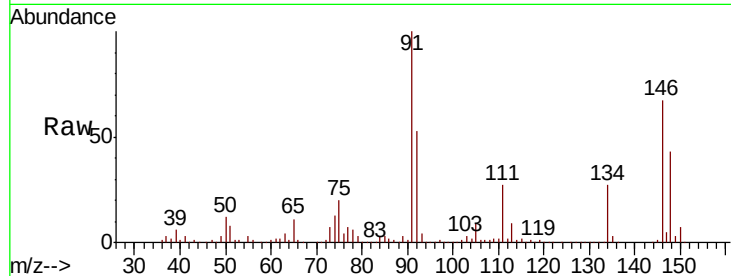
#87  
 1,2-Dichlorobenzene  
 Concen: 91.991 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.2  | 20.0  | 59.9  |
| 148     | 64.1  | 32.8  | 98.3  |

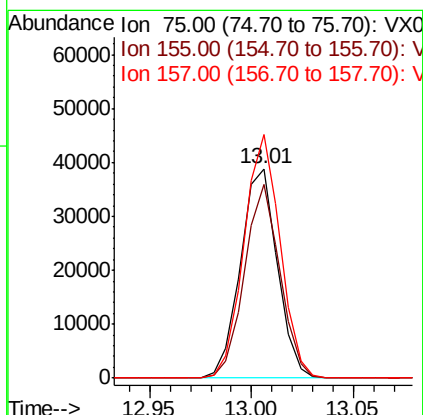
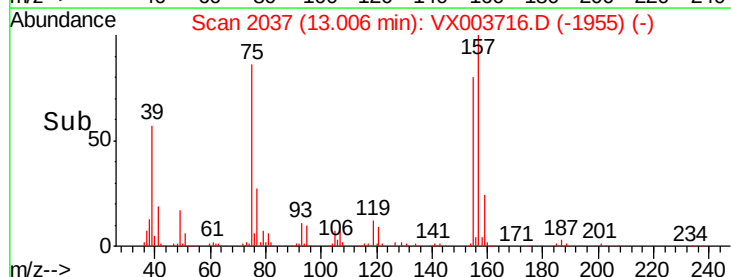
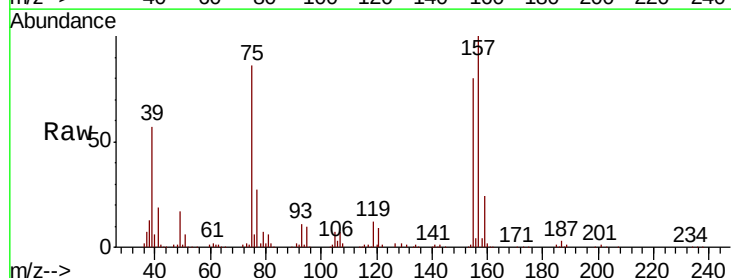
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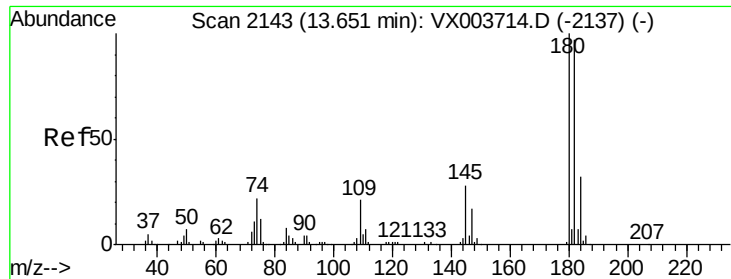
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 118.394 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 88.9  | 73.1  | 109.7 |
| 157     | 114.0 | 93.1  | 139.7 |





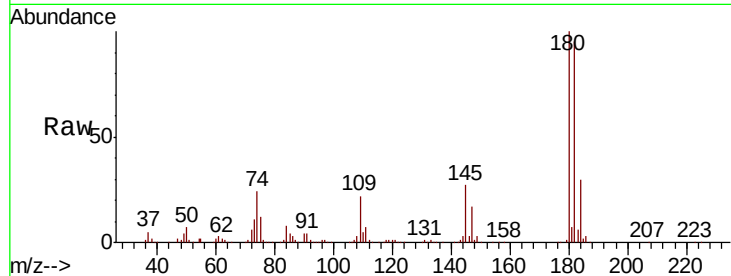
#89  
 1,2,4-Trichlorobenzene  
 Concen: 92.308 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 76.4  | 114.6 |
| 145     | 28.5  | 22.9  | 34.3  |

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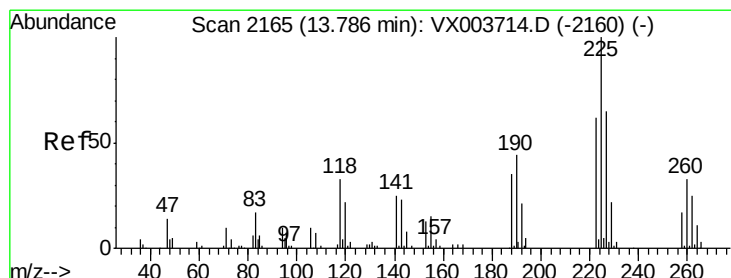
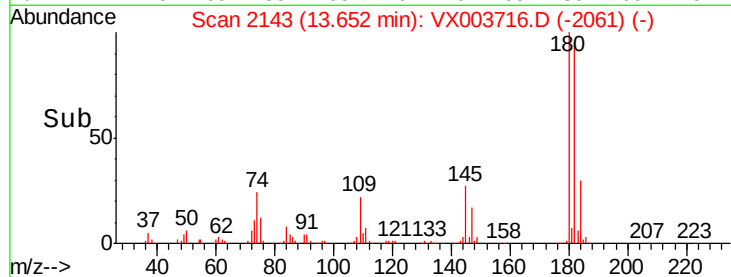
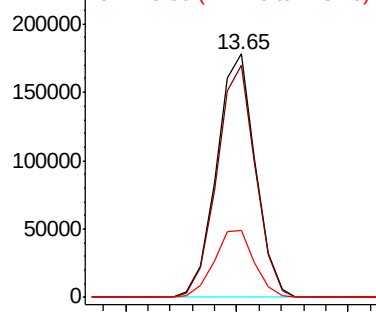


Abundance

Ion 180.00 (179.70 to 180.70): V

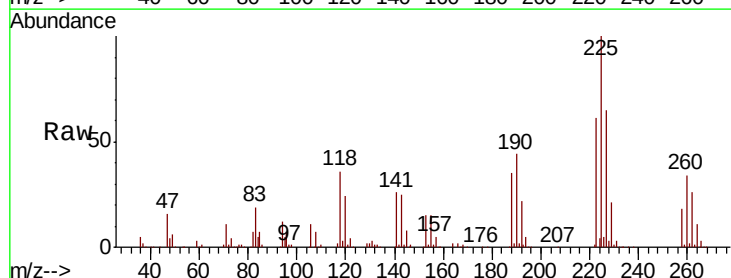
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90  
 Hexachlorobutadiene  
 Concen: 81.672 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX003716.D  
 Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.4  | 0.0   | 122.4 |
| 227     | 64.3  | 0.0   | 128.0 |

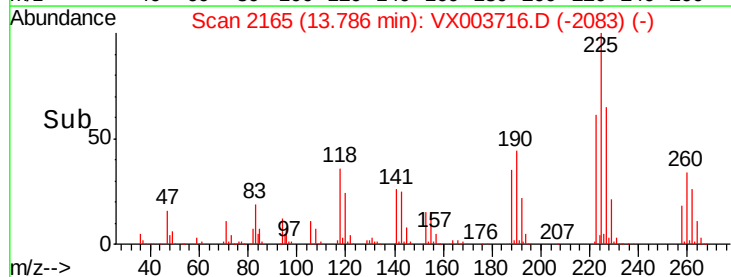
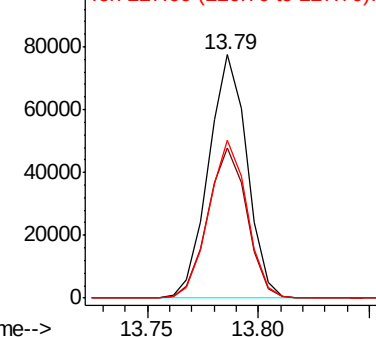


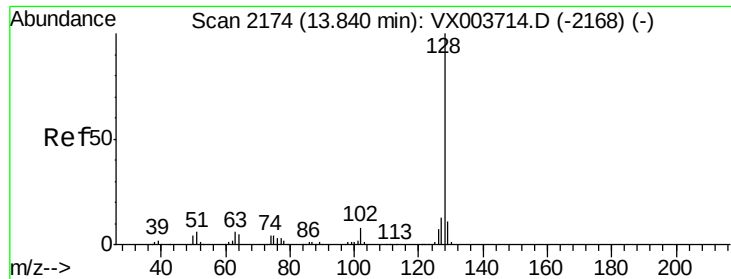
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





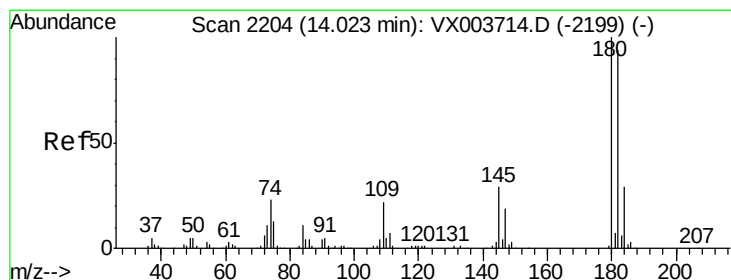
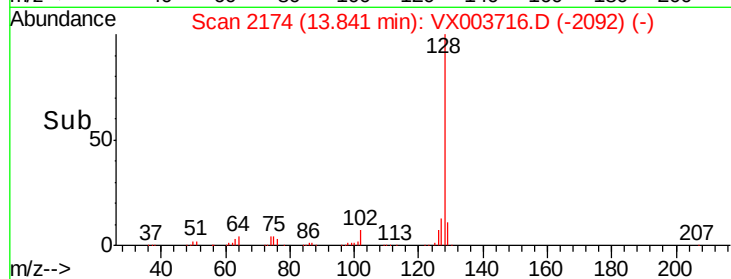
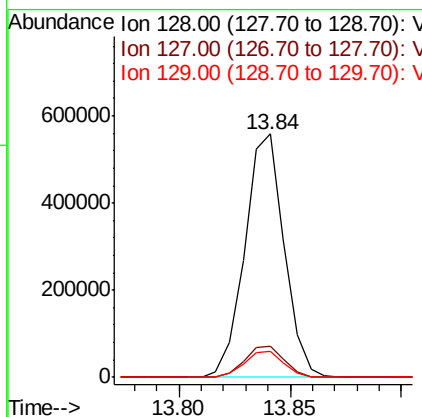
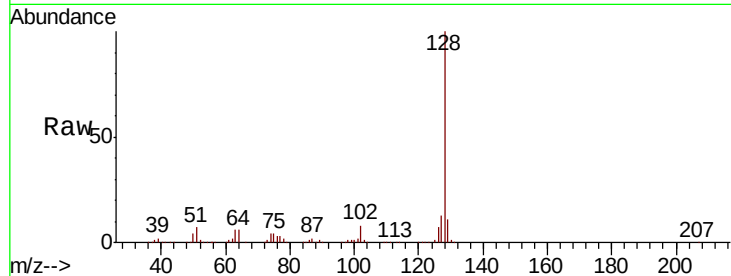
#91  
Naphthalene  
Concen: 101.814 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.3  | 15.5  |
| 129     | 11.0  | 8.9   | 13.3  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 92.347 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: VX003716.D  
Acq: 27 Jul 2018 14:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 0.0   | 191.0 |
| 145     | 30.5  | 0.0   | 60.6  |

