

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\  
 Data File : VX001843.D  
 Acq On : 18 May 2018 22:54  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/21/2018 2:40:38 PM

Quant Time: May 19 05:19:37 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X051518W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 15 01:36:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 278720   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 363245   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 284972   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 185721   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 175538   | 46.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.98%  |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 158629   | 51.75 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.50% |      |
| 50) Toluene-d8            | 8.72   | 98  | 587768   | 53.54 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.08% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 176995   | 44.77 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.54%  |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 128136  | 45.81  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 154008  | 50.97  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 161614  | 49.48  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 61883   | 44.68  | ug/l | 98     |
| 6) Chloroethane               | 1.72 | 64  | 106059  | 51.55  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 226948  | 47.81  | ug/l | 99     |
| 8) Diethyl Ether              | 2.19 | 74  | 99276   | 50.81  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 137580  | 48.15  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 192094  | 73.07  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.09 | 59  | 180108  | 271.54 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 129466  | 47.00  | ug/l | 98     |
| 13) Acrolein                  | 2.30 | 56  | 92591   | 196.83 | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 254664  | 50.01  | ug/l | 96     |
| 15) Acrylonitrile             | 3.15 | 53  | 436082  | 261.77 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 363066  | 247.43 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 305174  | 42.47  | ug/l | 98     |
| 18) Methyl Acetate            | 2.78 | 43  | 241168  | 56.22  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 466438  | 50.23  | ug/l | 100    |
| 20) Methylene Chloride        | 2.86 | 84  | 153492  | 48.87  | ug/l | 100    |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 139449  | 45.95  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.88 | 45  | 511956  | 52.41  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.83 | 43  | 1690799 | 240.24 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 268930  | 50.20  | ug/l | 100    |
| 25) 2-Butanone                | 4.71 | 43  | 622433  | 277.07 | ug/l | 97     |
| 26) 1,2-Dichloropropane       | 4.59 | 77  | 172591  | 40.02  | ug/l | 96     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 176363  | 51.07  | ug/l | 96     |
| 28) Bromochloromethane        | 5.03 | 49  | 137827  | 57.92  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.17 | 42  | 403721  | 275.70 | ug/l | 100    |
| 30) Chloroform                | 5.22 | 83  | 286936  | 50.99  | ug/l | 99     |
| 31) Cyclohexane               | 5.58 | 56  | 241181  | 51.36  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 245915  | 50.57  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 204005  | 48.79  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.87 | 43  | 233333  | 53.54  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 221468  | 50.56  | ug/l | 99     |

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 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

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 5/21/2018 2:40:38 PM

Quant Time: May 19 05:19:37 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X051518W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 15 01:36:22 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 247662   | 50.69   | ug/l   | 99       |
| 40) Benzene                    | 6.15  | 78   | 648419   | 52.63   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.07  | 41   | 134542   | 53.39   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 218356   | 49.01   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.48  | 43   | 359661   | 52.73   | ug/l   | 99       |
| 44) Trichloroethene            | 7.22  | 130  | 194535   | 50.87   | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 164873   | 54.54   | ug/l   | 99       |
| 46) Dibromomethane             | 7.67  | 93   | 108565   | 51.14   | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 209940   | 53.30   | ug/l   | 96       |
| 48) Methyl methacrylate        | 7.79  | 41   | 192916   | 53.74   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 87757    | 1269.58 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43   | 1226143  | 283.68  | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 421985   | 53.30   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 244167   | 52.68   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 216066   | 52.89   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 143793   | 47.52   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.19  | 69   | 213174   | 49.68   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 232605   | 45.91   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 623646   | 282.52  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.51  | 43   | 779409   | 251.90  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 154914   | 49.99   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 150510   | 47.51   | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 190461   | 51.34   | ug/l   | 97       |
| 65) Chlorobenzene              | 10.15 | 112  | 395983   | 50.52   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 151454   | 54.71   | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.26 | 91   | 655038   | 52.29   | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.37 | 106  | 524441   | 106.10  | ug/l   | 99       |
| 69) o-Xylene                   | 10.71 | 106  | 254206   | 53.70   | ug/l   | 100      |
| 70) Styrene                    | 10.72 | 104  | 419582   | 53.75   | ug/l   | 100      |
| 71) Bromoform                  | 10.87 | 173  | 128177   | 49.76   | ug/l   | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 679896   | 55.59   | ug/l   | 100      |
| 74) N-amyl acetate             | 6.48  | 43   | 359661   | 61.34   | ug/l # | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 199342   | 54.33   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 193888m  | 54.90   | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 192670   | 53.61   | ug/l   | 100      |
| 78) n-propylbenzene            | 11.37 | 91   | 745694   | 54.12   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 448665   | 54.44   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 560873   | 55.90   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 54191    | 46.01   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.52 | 91   | 513029   | 52.84   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 561229   | 56.21   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 582299   | 56.04   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.95 | 105  | 682500   | 55.37   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 628342   | 55.09   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 343966   | 51.75   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 347052   | 50.50   | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.40 | 91   | 497087   | 50.39   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 101250   | 57.16   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 352254   | 53.19   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 46260    | 59.07   | ug/l   | 98       |

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Data File : VX001843.D  
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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

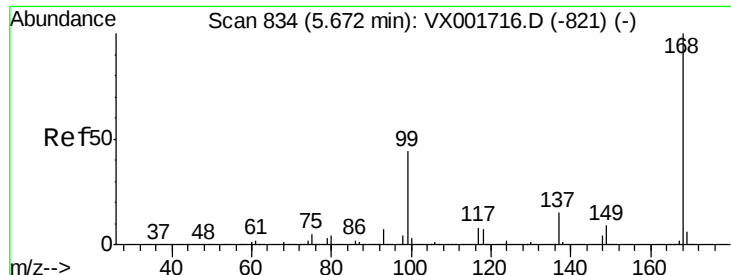
MMDadoda  
5/21/2018 2:40:38 PM

Quant Time: May 19 05:19:37 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X051518W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 15 01:36:22 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 264513   | 50.11 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 142812   | 50.39 | ug/l  | 100      |
| 95) Naphthalene            | 13.84 | 128  | 763811   | 55.67 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 277459   | 52.20 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 278720

Ion Ratio Lower Upper

168 100

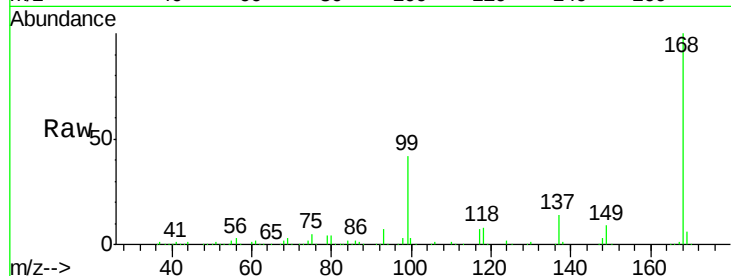
99 41.5 35.0 52.4

Manual Integrations

APPROVED

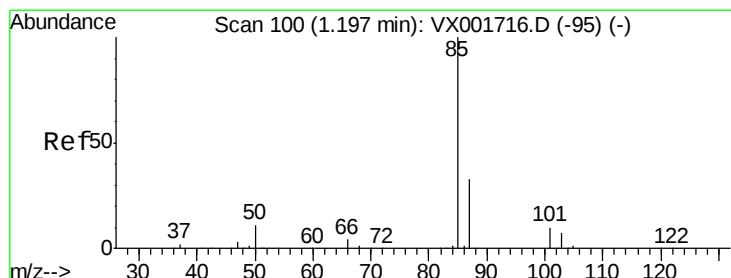
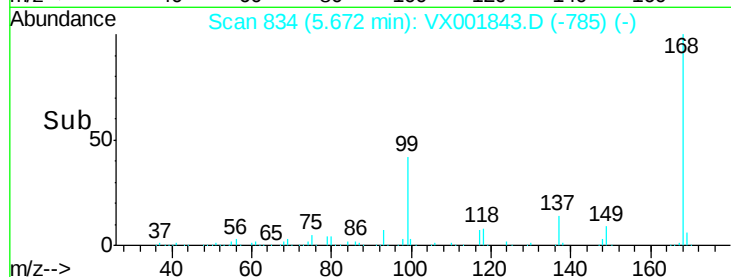
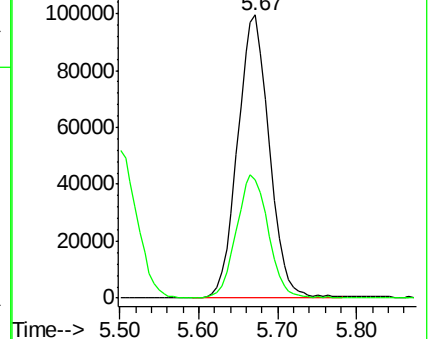
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.81 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001843.D

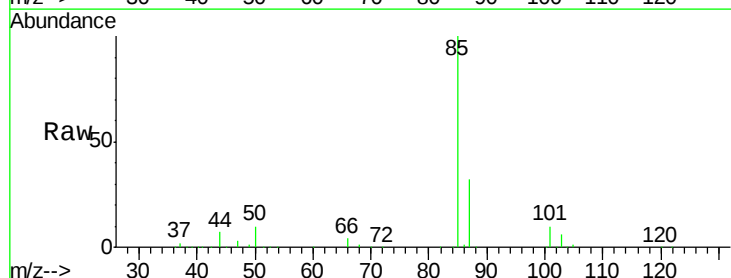
Acq: 18 May 2018 22:54

Tgt Ion: 85 Resp: 128136

Ion Ratio Lower Upper

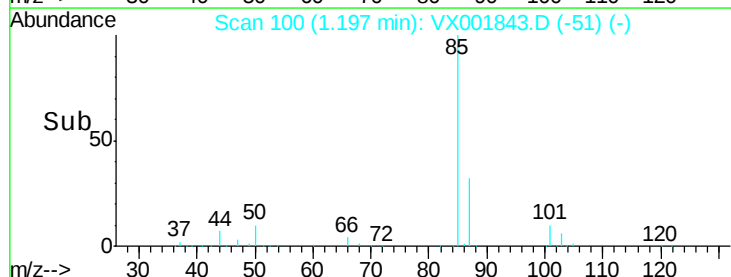
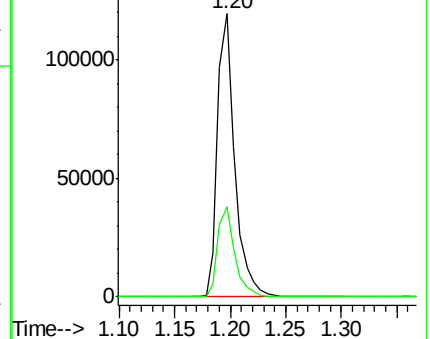
85 100

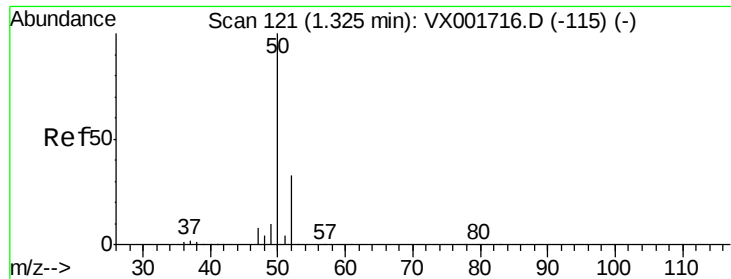
87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 50.97 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 154008

Ion Ratio Lower Upper

50 100

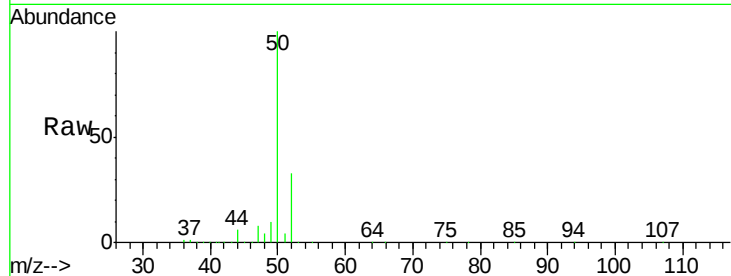
52 32.5 26.3 39.5

Manual Integrations

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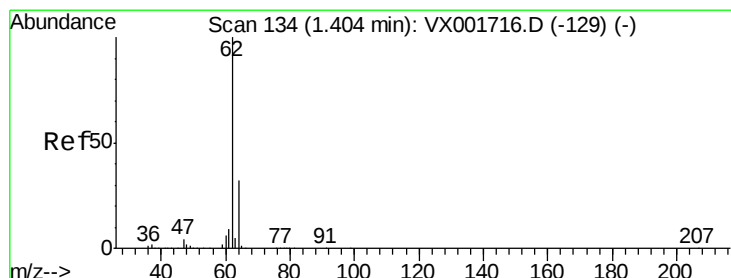
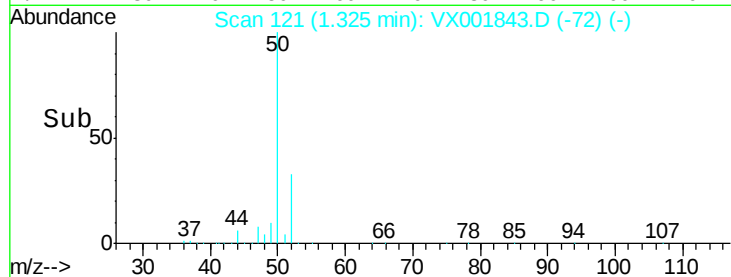
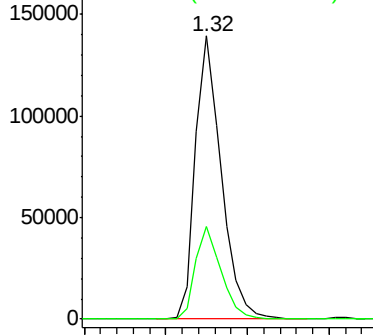
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.48 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001843.D

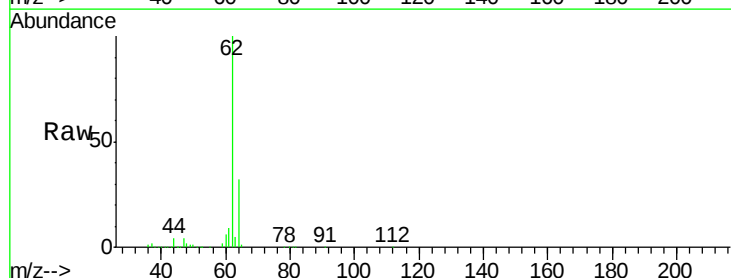
Acq: 18 May 2018 22:54

Tgt Ion: 62 Resp: 161614

Ion Ratio Lower Upper

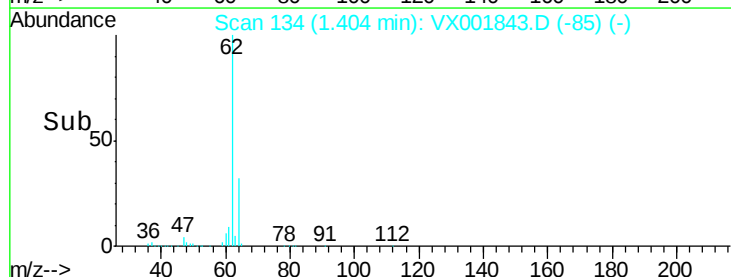
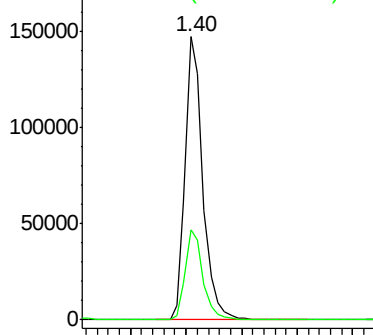
62 100

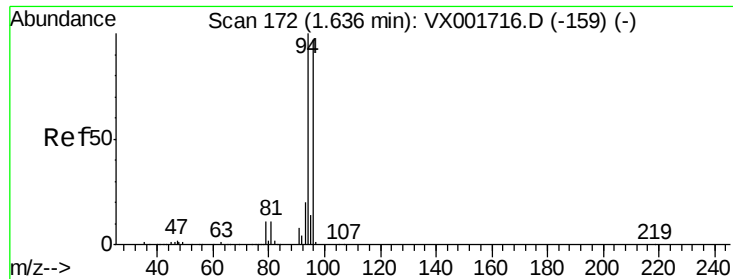
64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.68 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61883

Ion Ratio Lower Upper

94 100

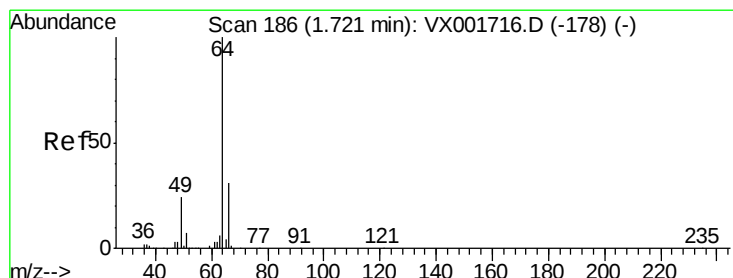
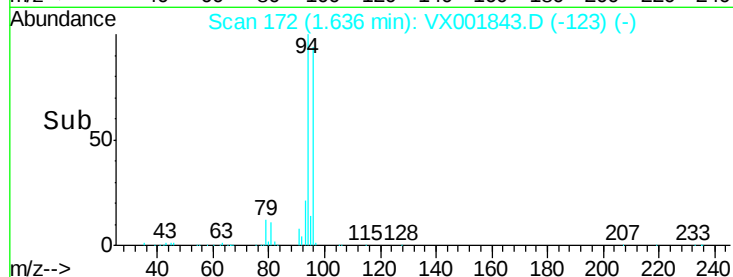
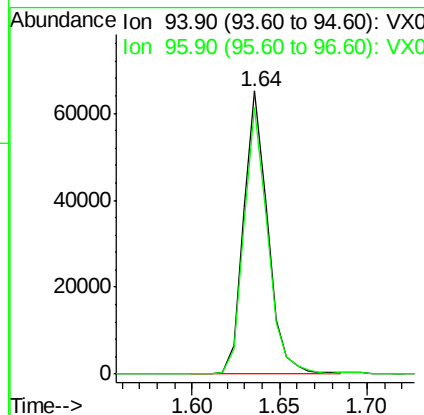
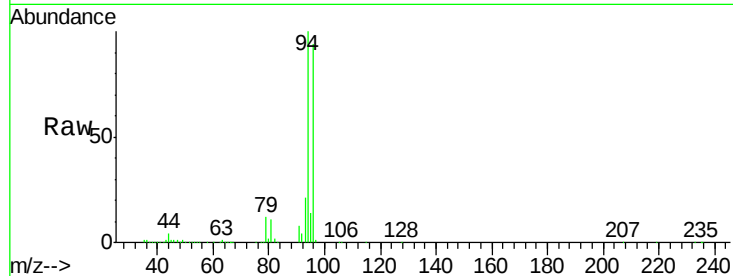
96 94.4 77.4 116.0

Manual Integrations

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5/21/2018 2:40:38 PM



#6

Chloroethane

Concen: 51.55 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001843.D

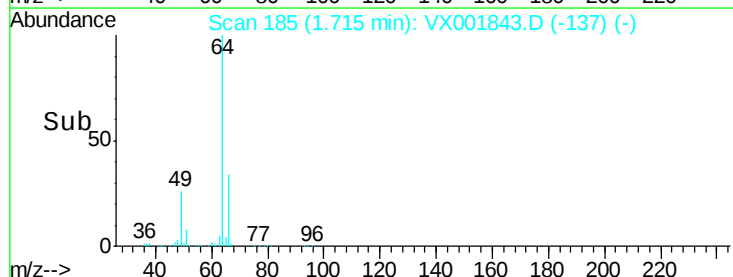
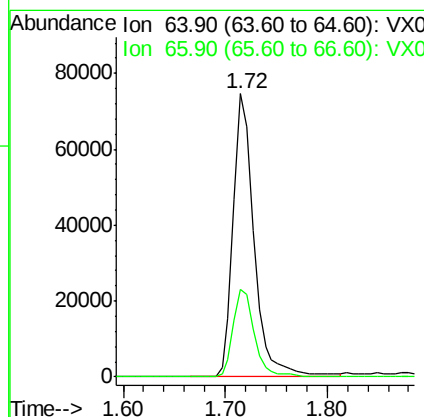
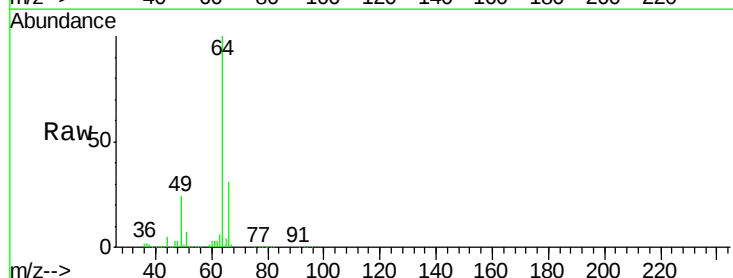
Acq: 18 May 2018 22:54

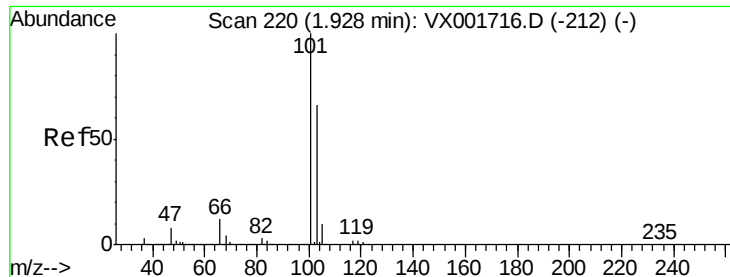
Tgt Ion: 64 Resp: 106059

Ion Ratio Lower Upper

64 100

66 30.9 25.2 37.8





#7

Trichlorofluoromethane

Concen: 47.81 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 226948

Ion Ratio Lower Upper

101 100

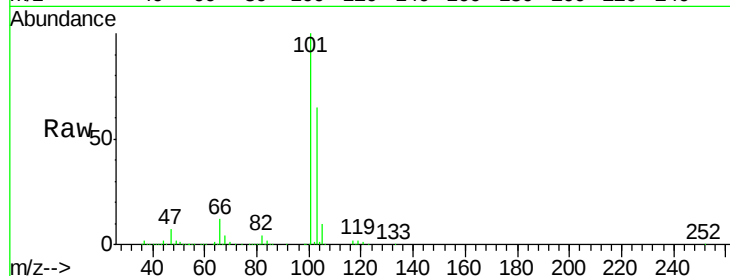
103 64.9 52.6 78.8

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

150000

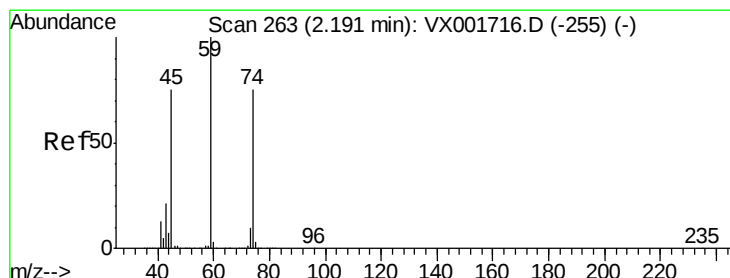
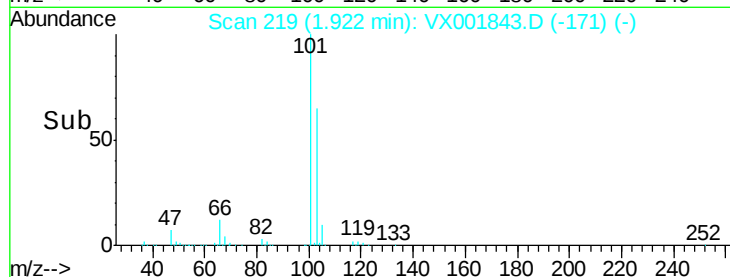
100000

50000

0

Time-->

1.90 2.00



#8

Diethyl Ether

Concen: 50.81 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001843.D

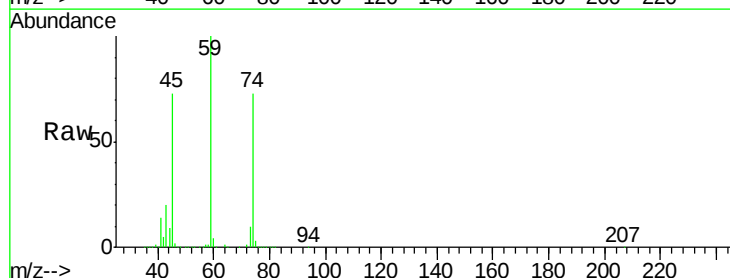
Acq: 18 May 2018 22:54

Tgt Ion: 74 Resp: 99276

Ion Ratio Lower Upper

74 100

45 97.6 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

80000

60000

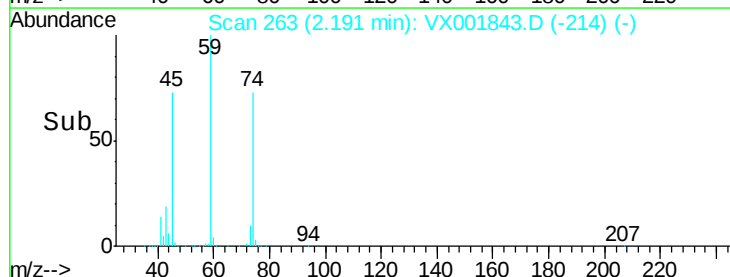
40000

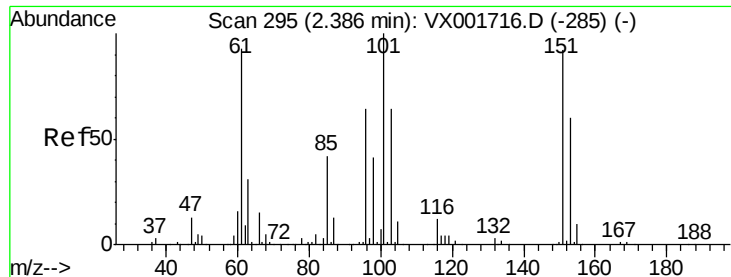
20000

0

Time-->

2.10 2.20 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.15 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

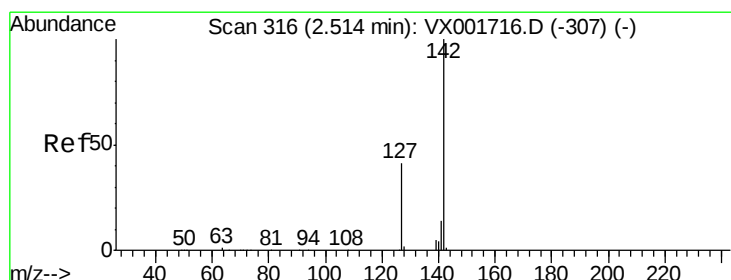
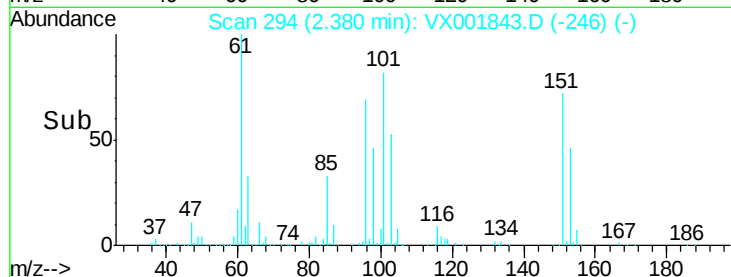
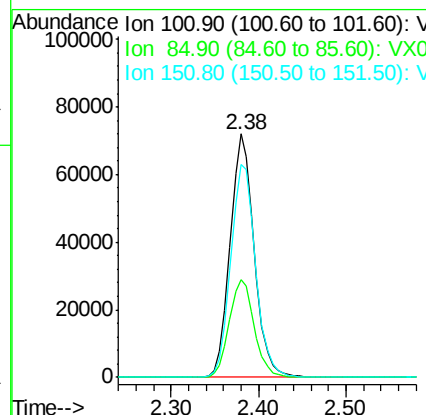
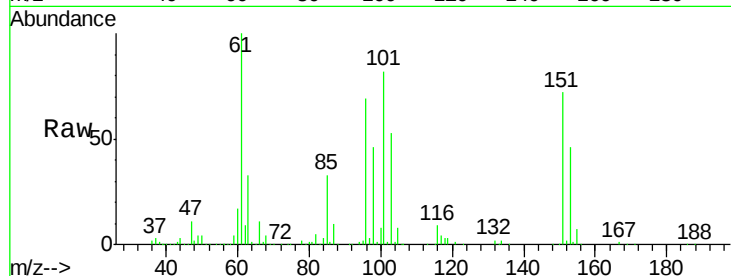
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 137580 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.5  | 33.7  | 50.5   |
| 151       | 90.5  | 73.0  | 109.6  |

Manual Integrations  
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MMDadoda  
5/21/2018 2:40:38 PM



#10

Methyl Iodide

Concen: 73.07 ug/l

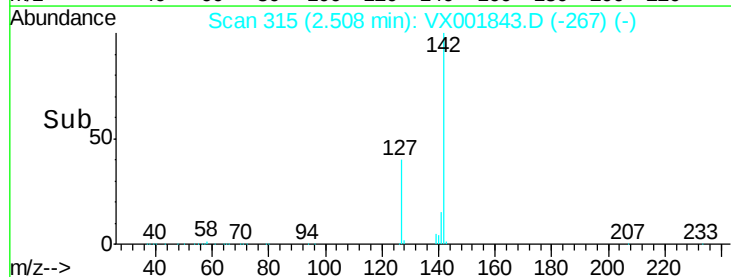
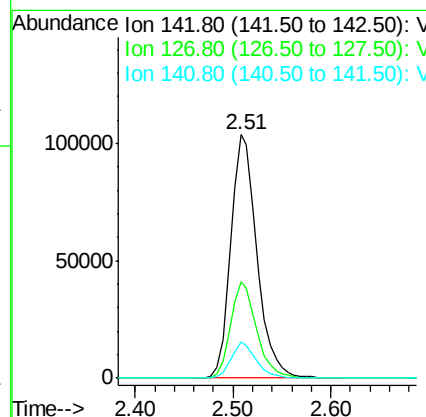
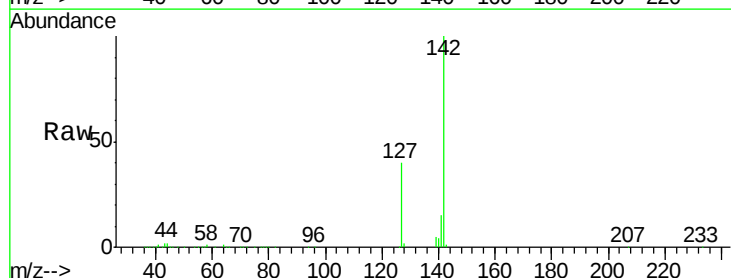
RT: 2.51 min Scan# 315

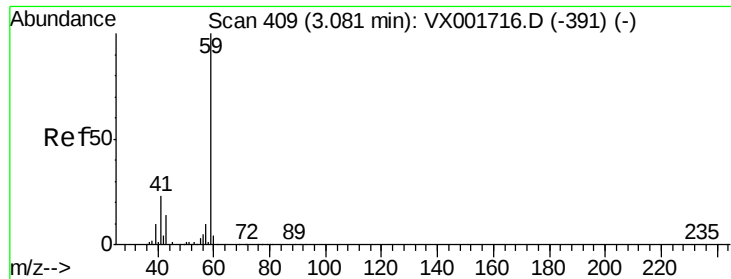
Delta R.T. -0.01 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 192094 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 39.3  | 32.5  | 48.7   |
| 141       | 14.1  | 11.4  | 17.0   |





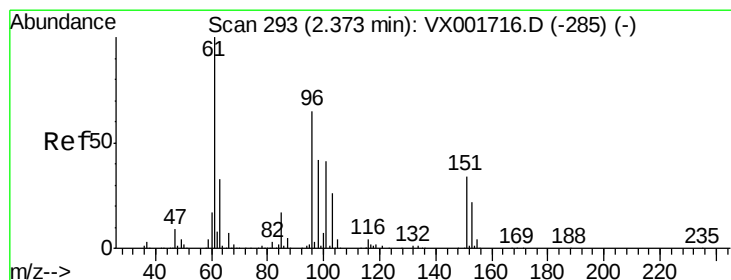
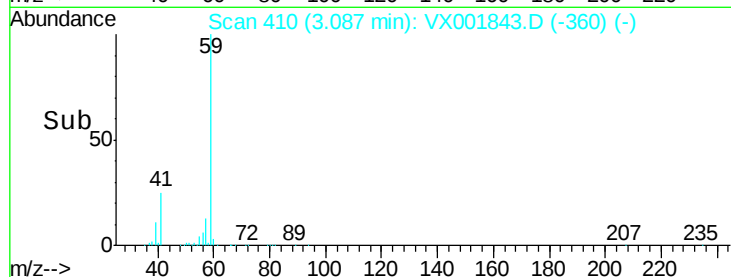
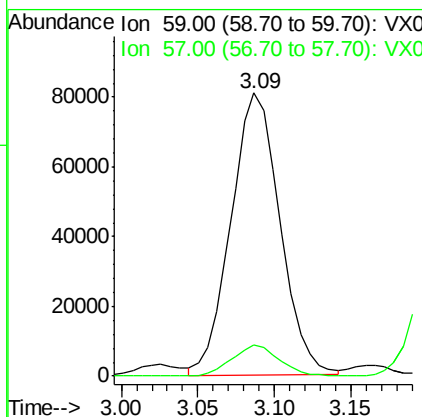
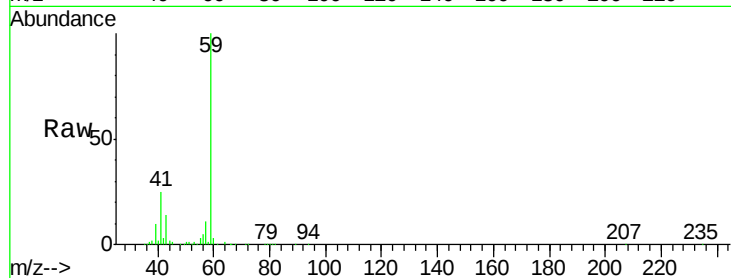
#11  
Tert butyl alcohol  
Concen: 271.54 ug/l  
RT: 3.09 min Scan# 410  
Delta R.T. 0.01 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 59   | Resp  | 180108 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 10.9 | 8.5   | 12.7   |

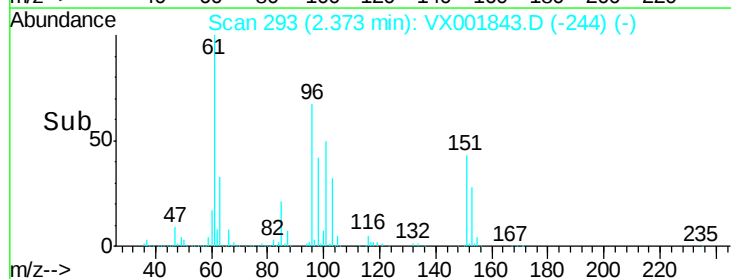
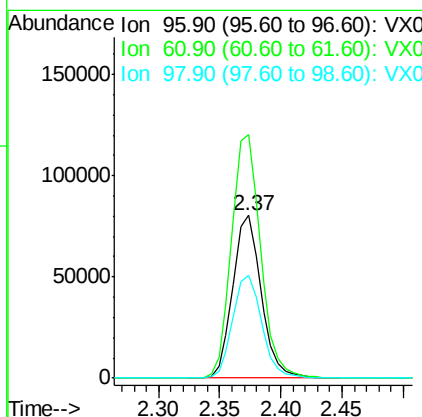
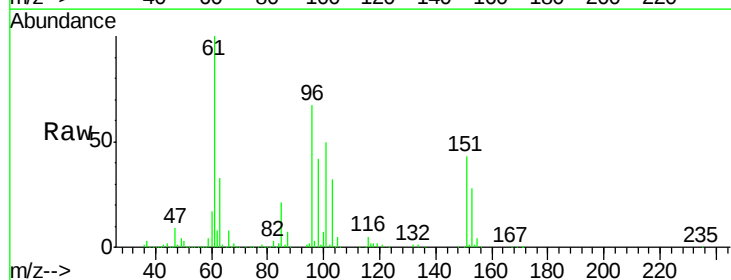
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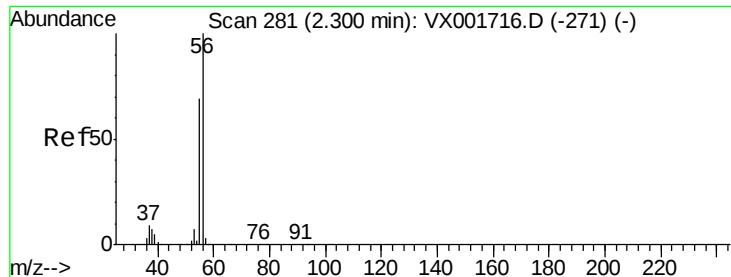
MMDadoda  
5/21/2018 2:40:38 PM



#12  
1,1-Dichloroethene  
Concen: 47.00 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

| Tgt Ion   | 96    | Resp  | 129466 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 149.8 | 122.2 | 183.2  |
| 98        | 63.3  | 51.4  | 77.0   |





#13

Acrolein

Concen: 196.83 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 92591

Ion Ratio Lower Upper

56 100

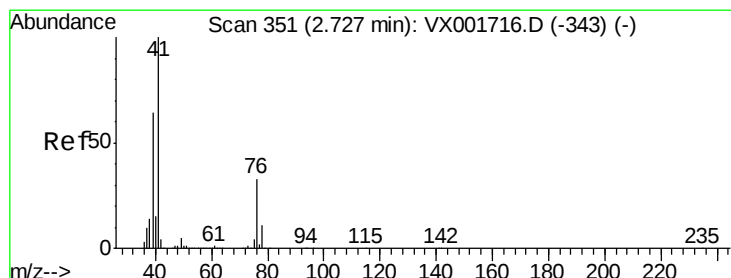
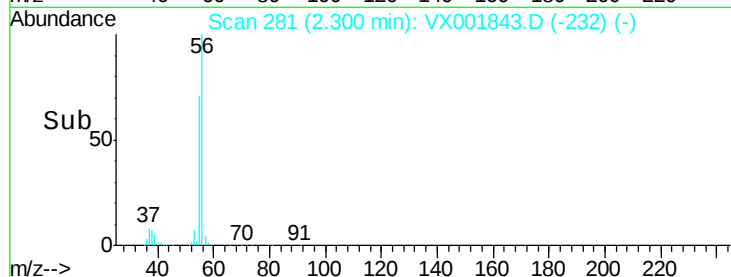
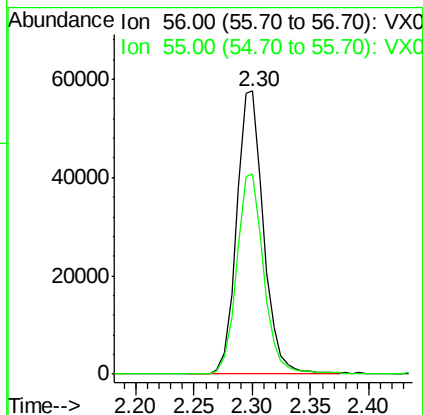
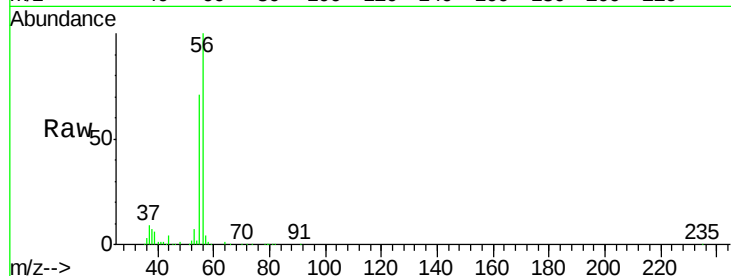
55 70.9 56.2 84.2

Manual Integrations

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MMDadoda

5/21/2018 2:40:38 PM



#14

Allyl chloride

Concen: 50.01 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

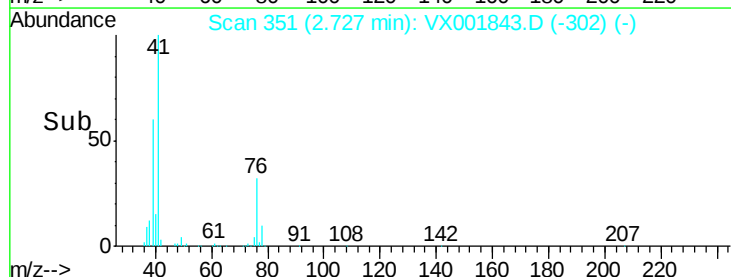
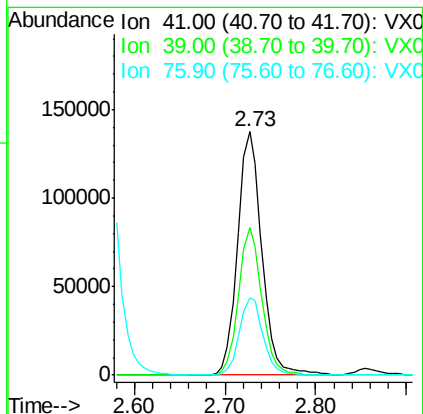
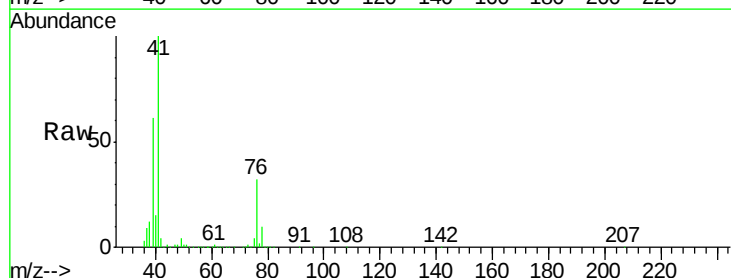
Tgt Ion: 41 Resp: 254664

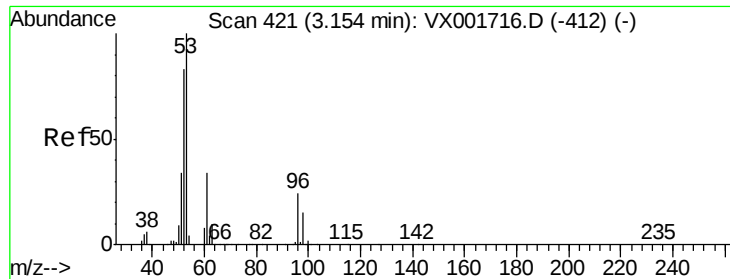
Ion Ratio Lower Upper

41 100

39 58.3 49.8 74.6

76 31.2 25.8 38.8





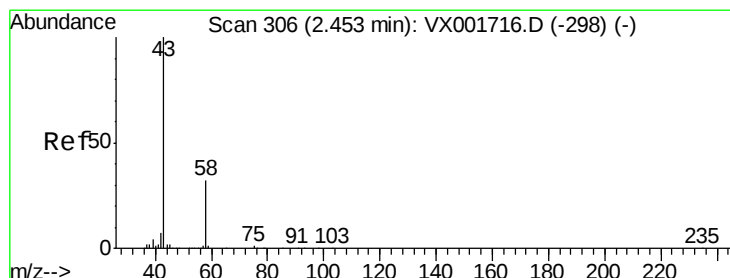
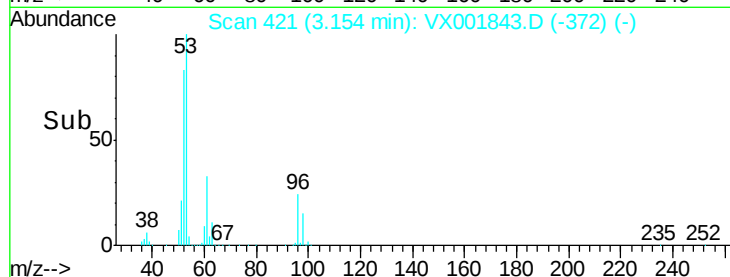
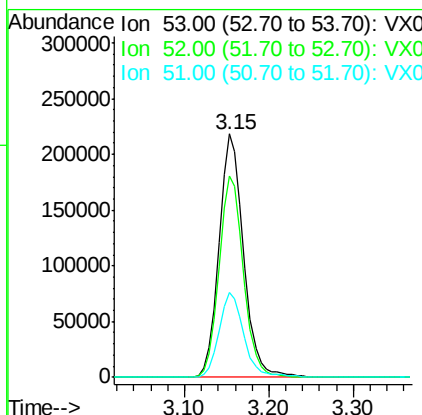
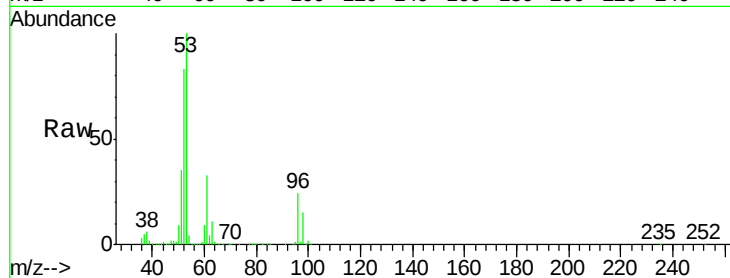
#15  
 Acrylonitrile  
 Concen: 261.77 ug/l  
 RT: 3.15 min Scan# 421  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.3  | 65.6  | 98.4  |
| 51      | 35.4  | 28.1  | 42.1  |

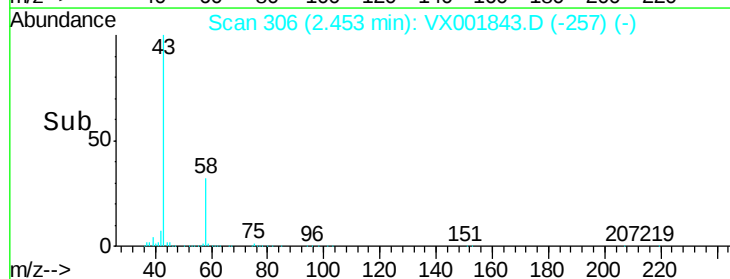
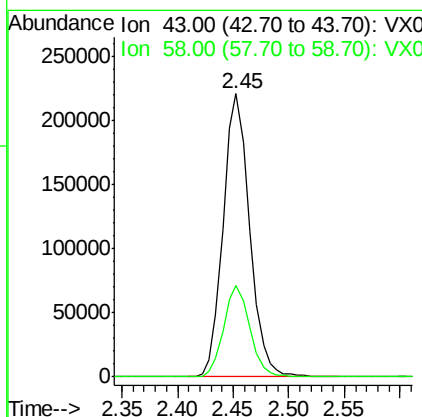
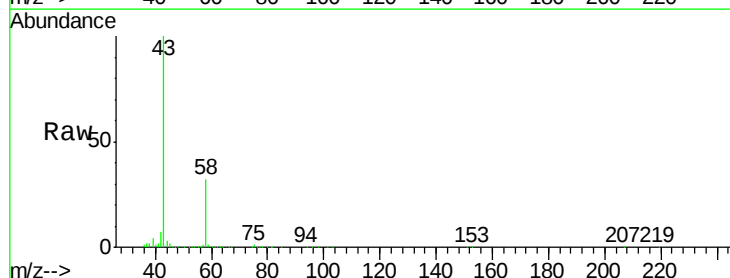
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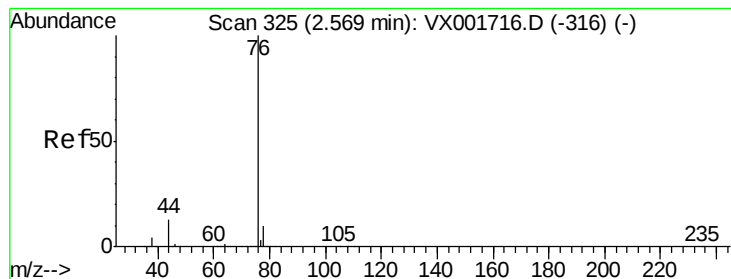
MMDadoda  
 5/21/2018 2:40:38 PM



#16  
 Acetone  
 Concen: 247.43 ug/l  
 RT: 2.45 min Scan# 306  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 32.4  | 25.3  | 37.9  |





#17

Carbon Disulfide

Concen: 42.47 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 305174

Ion Ratio Lower Upper

76 100

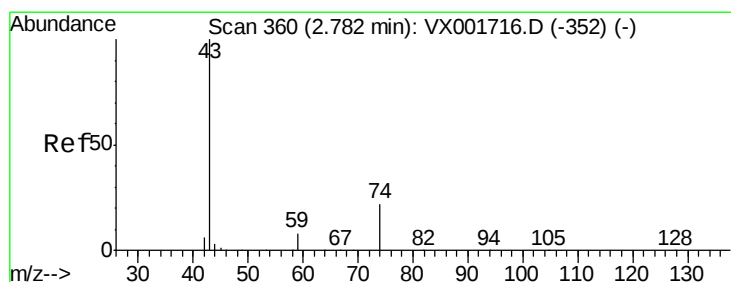
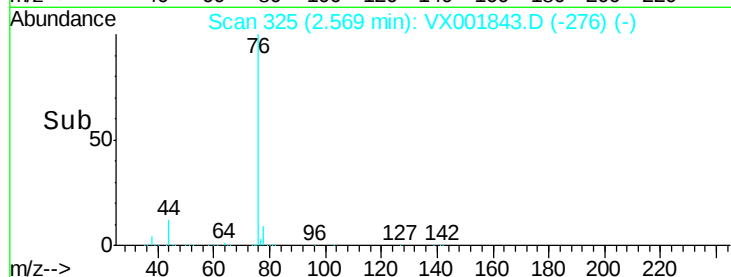
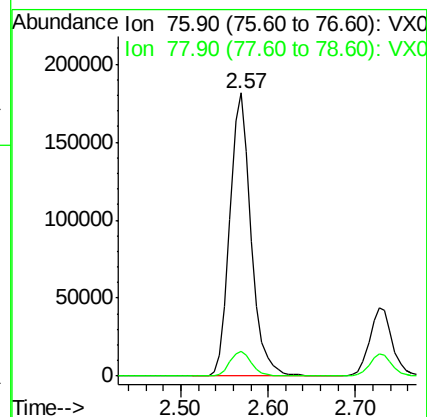
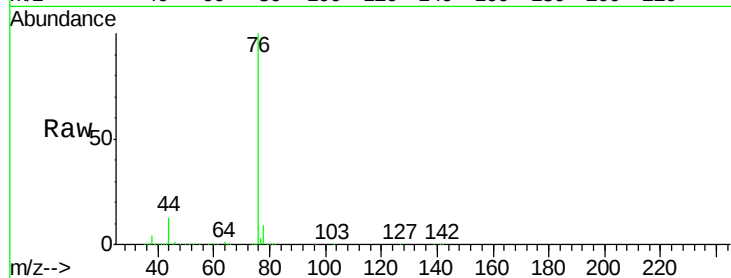
78 8.8 7.6 11.4

Manual Integrations

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MMDadoda

5/21/2018 2:40:38 PM



#18

Methyl Acetate

Concen: 56.22 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX001843.D

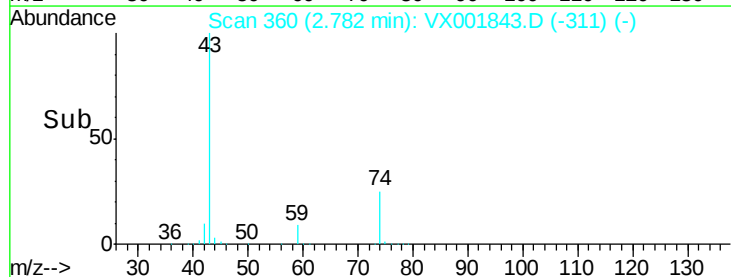
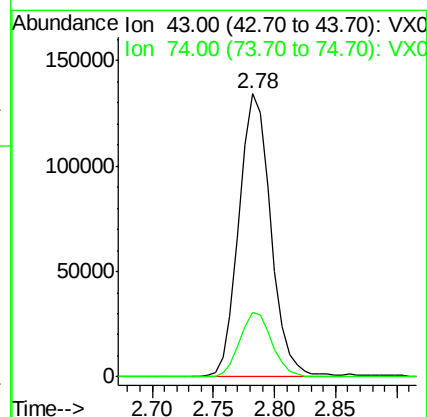
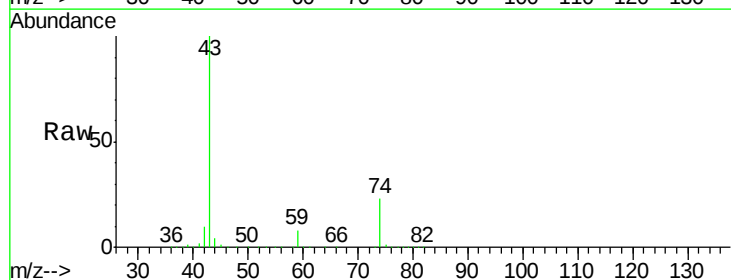
Acq: 18 May 2018 22:54

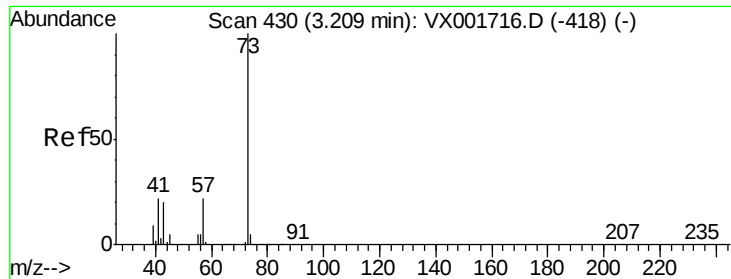
Tgt Ion: 43 Resp: 241168

Ion Ratio Lower Upper

43 100

74 23.3 18.2 27.2





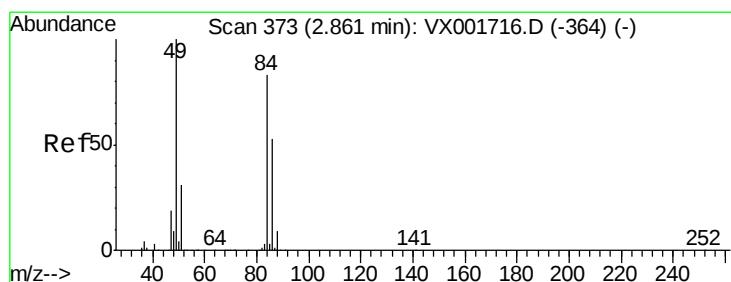
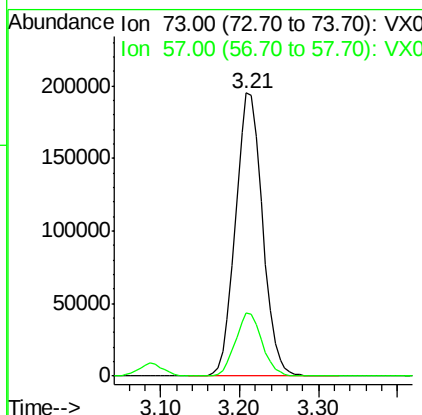
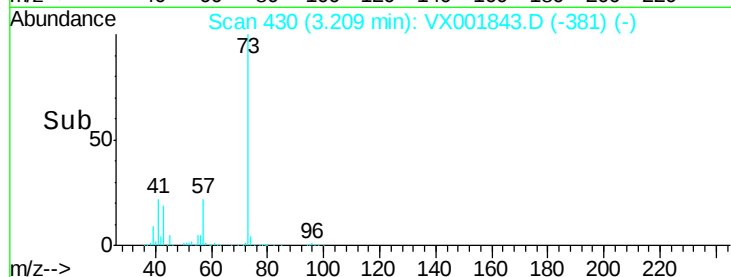
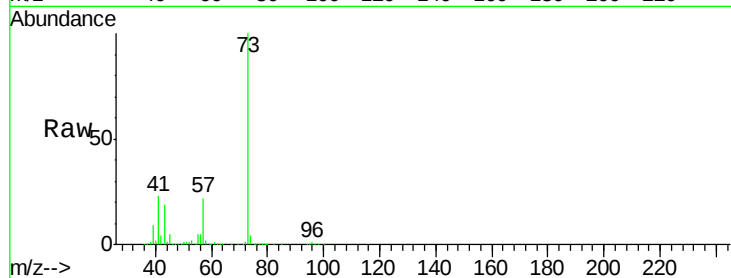
#19  
Methvl tert-butvl Ether  
Concen: 50.23 ug/l  
RT: 3.21 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.1  | 17.5  | 26.3  |

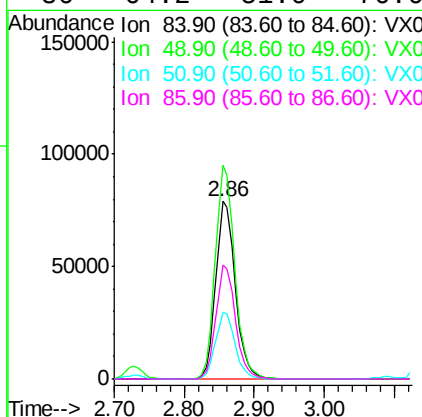
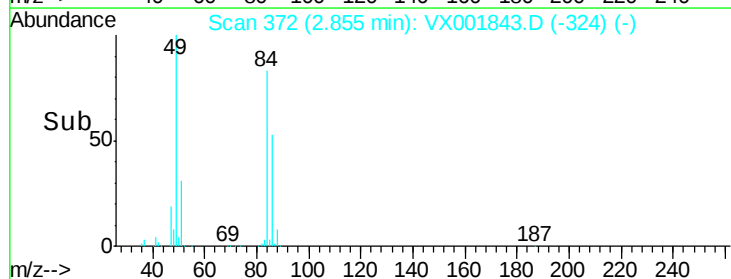
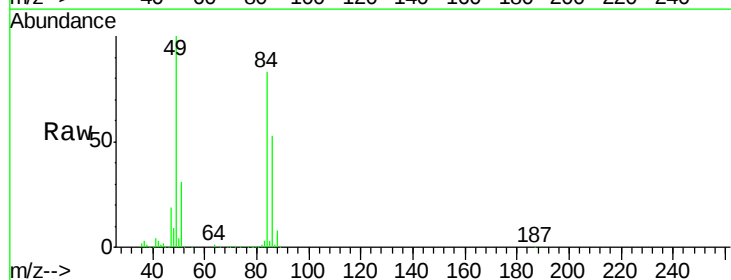
Manual Integrations  
APPROVED

MMDadoda  
5/21/2018 2:40:38 PM



#20  
Methylene Chloride  
Concen: 48.87 ug/l  
RT: 2.86 min Scan# 372  
Delta R.T. -0.01 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 120.4 | 96.3  | 144.5 |
| 51      | 37.7  | 29.8  | 44.6  |
| 86      | 64.2  | 51.0  | 76.6  |





#21

trans-1,2-Dichloroethene

Concen: 45.95 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

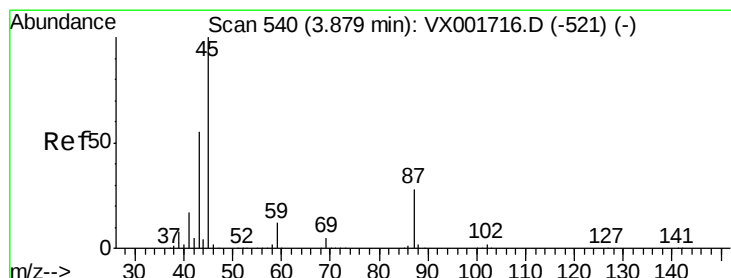
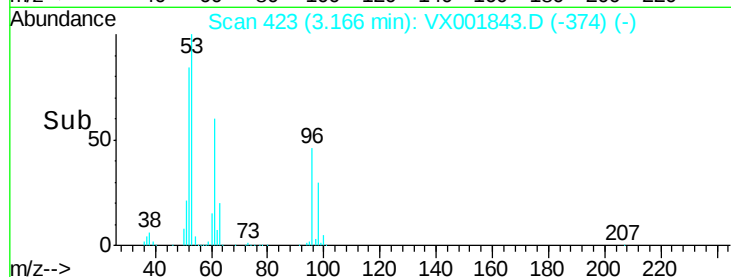
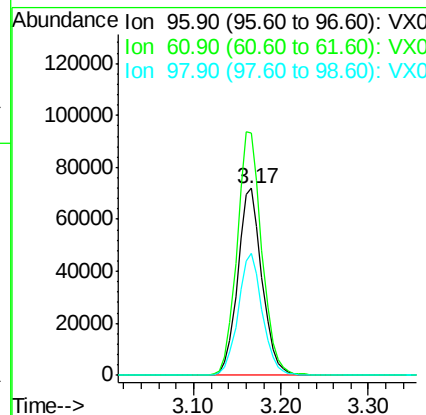
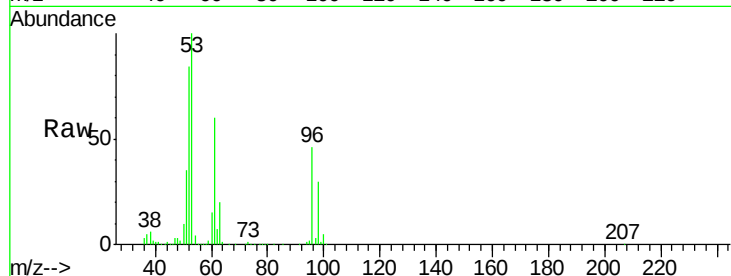
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 139449 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 129.3 | 105.8 | 158.8  |
| 98       | 65.3  | 50.2  | 75.4   |

Manual Integrations  
APPROVED

MMDadoda  
5/21/2018 2:40:38 PM



#22

Diisopropyl ether

Concen: 52.41 ug/l

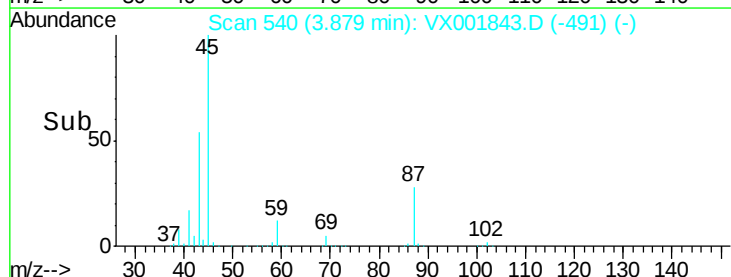
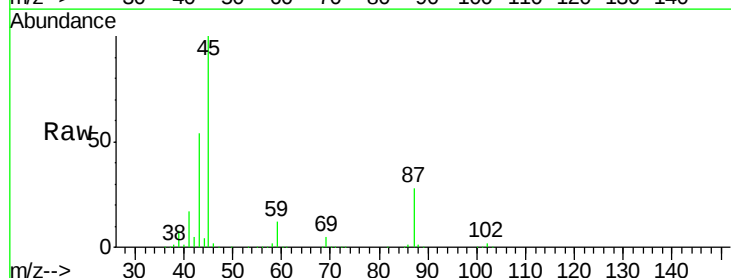
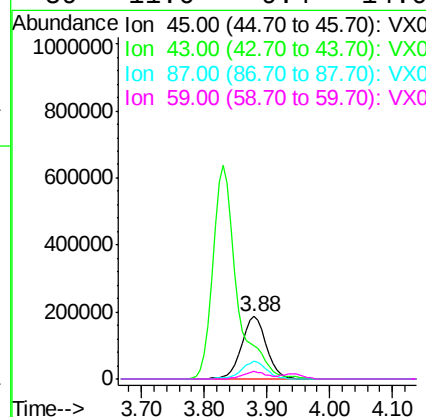
RT: 3.88 min Scan# 540

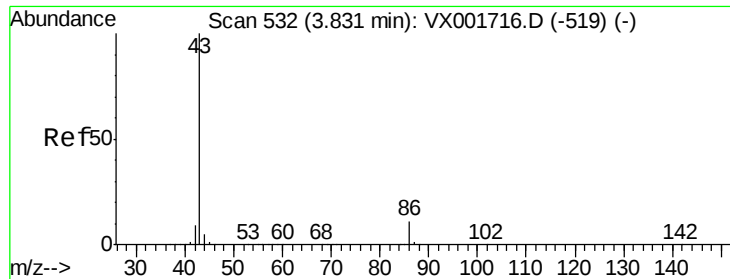
Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 511956 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 53.8  | 44.3  | 66.5   |
| 87       | 28.4  | 22.6  | 33.8   |
| 59       | 11.6  | 9.4   | 14.0   |





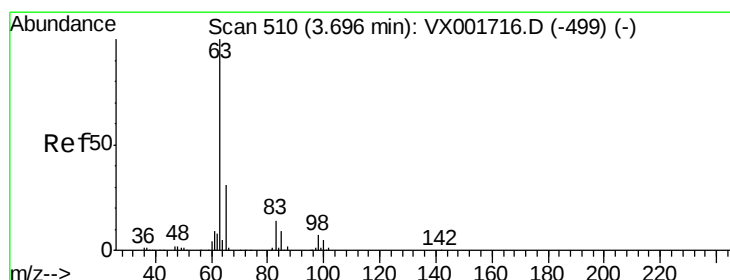
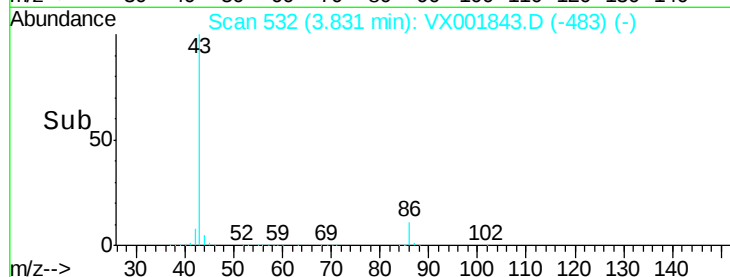
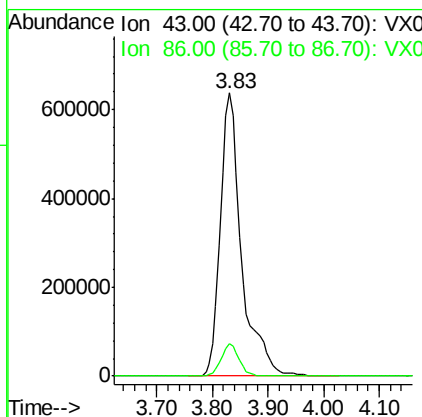
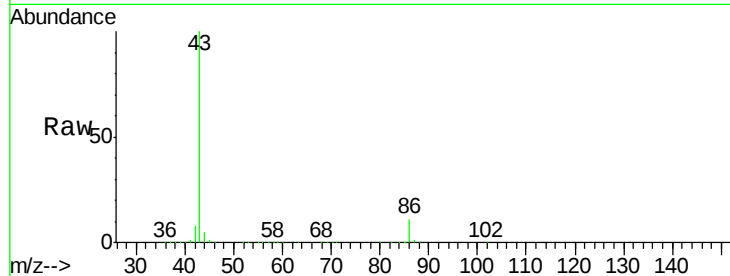
#23  
 Vinyl Acetate  
 Concen: 240.24 ug/l  
 RT: 3.83 min Scan# 532  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 1690799  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 8.7 13.1

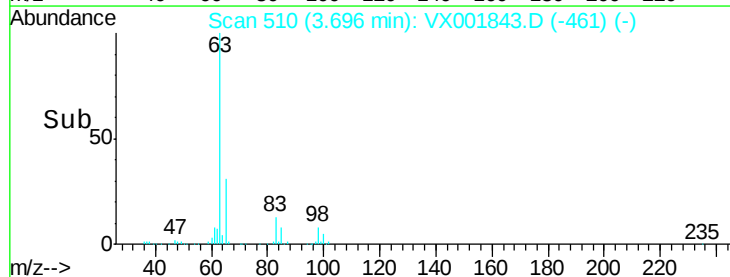
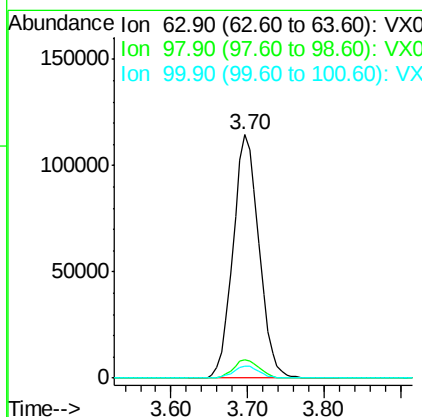
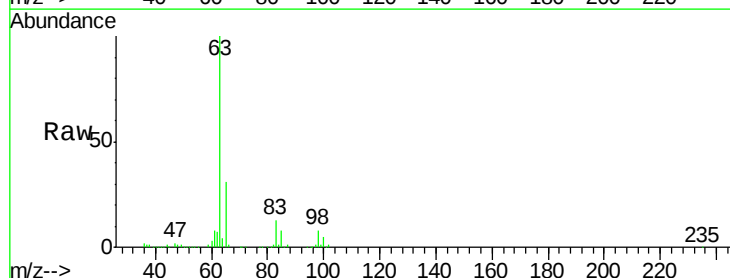
Manual Integrations  
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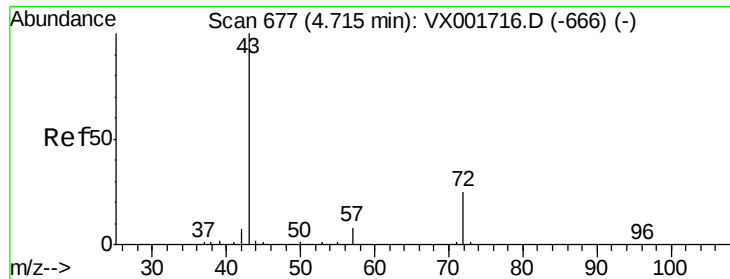
MMDadoda  
 5/21/2018 2:40:38 PM



#24  
 1,1-Dichloroethane  
 Concen: 50.20 ug/l  
 RT: 3.70 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Tgt Ion: 63 Resp: 268930  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.7 11.1  
 100 4.9 2.4 7.2





#25

2-Butanone

Concen: 277.07 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 622433

Ion Ratio Lower Upper

43 100

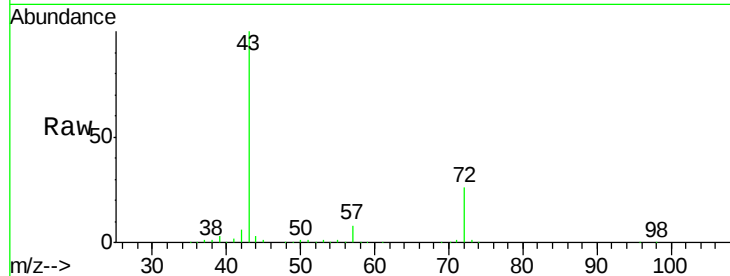
72 26.2 19.8 29.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

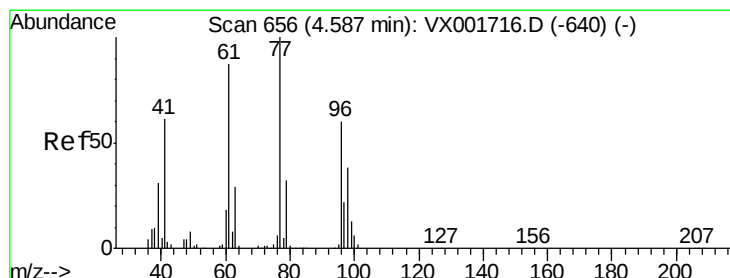
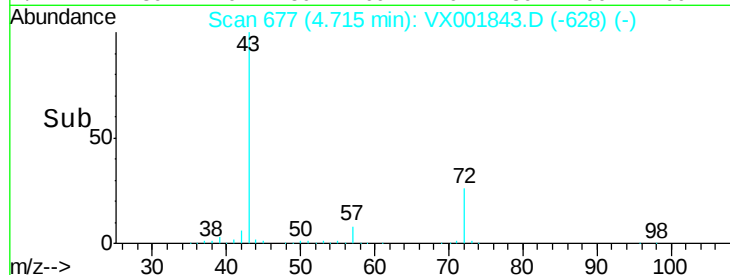
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.02 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001843.D

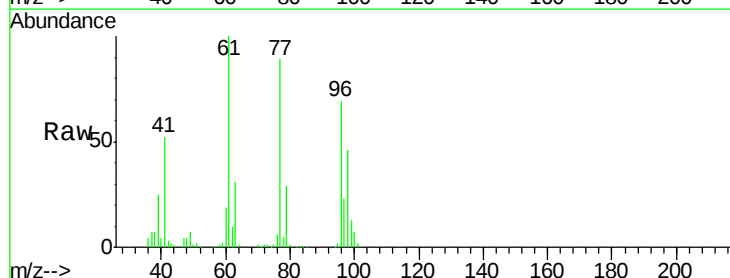
Acq: 18 May 2018 22:54

Tgt Ion: 77 Resp: 172591

Ion Ratio Lower Upper

77 100

97 25.4 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

20000

10000

0

4.40

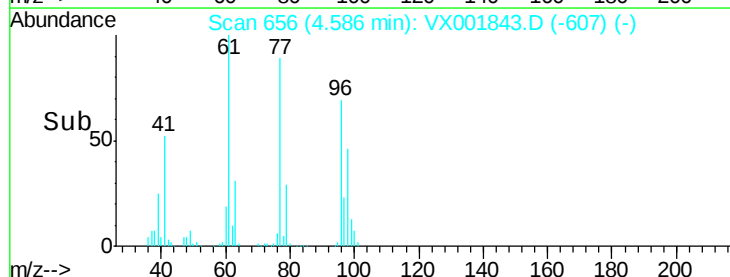
4.50

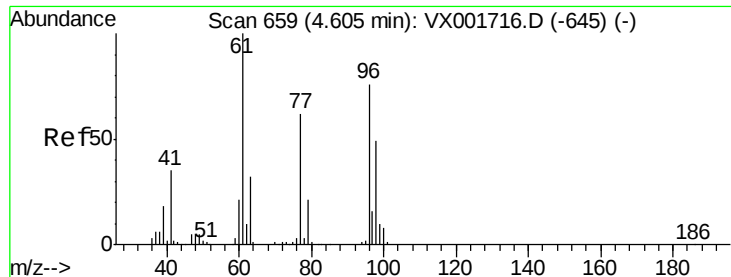
4.60

4.70

4.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.07 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

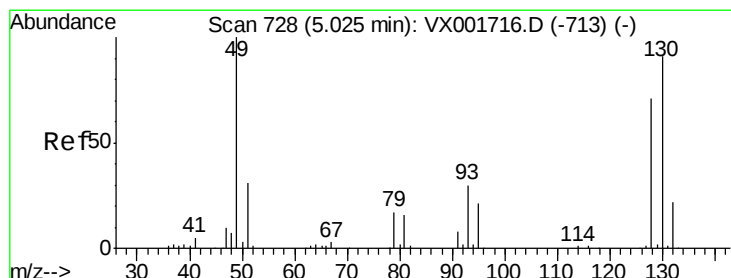
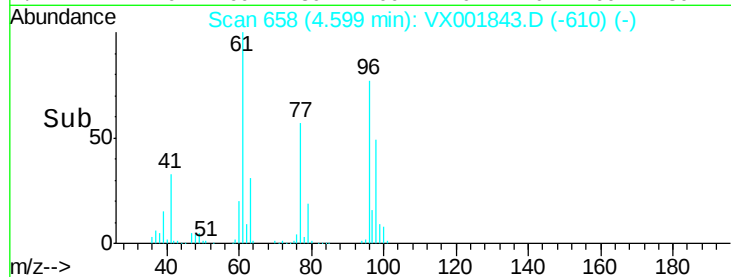
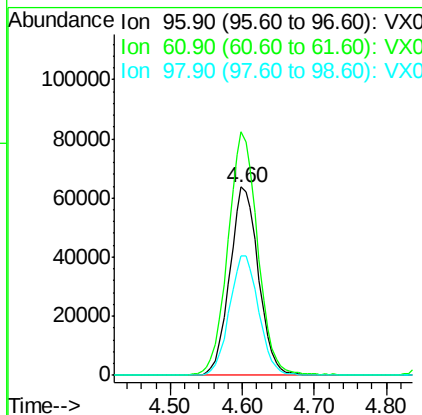
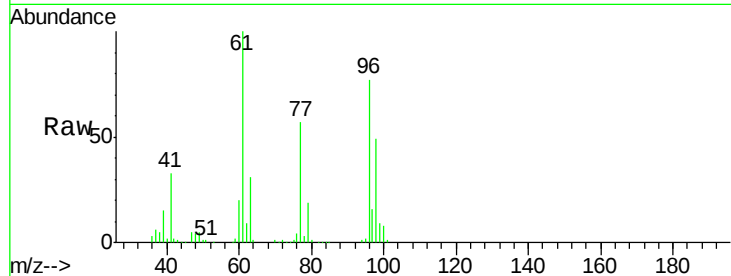
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 176363 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 134.2 | 0.0   | 280.4  |
| 98       | 64.5  | 0.0   | 128.4  |

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#28

Bromochloromethane

Concen: 57.92 ug/l

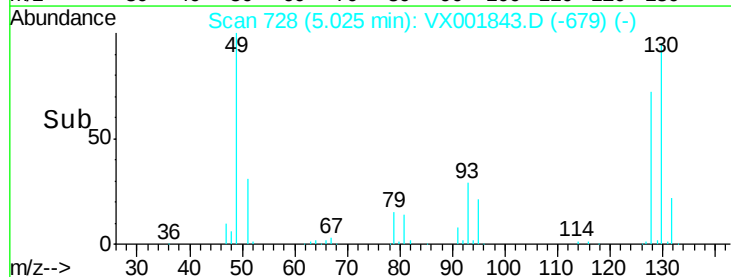
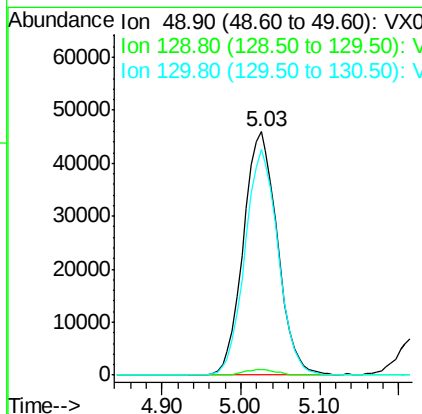
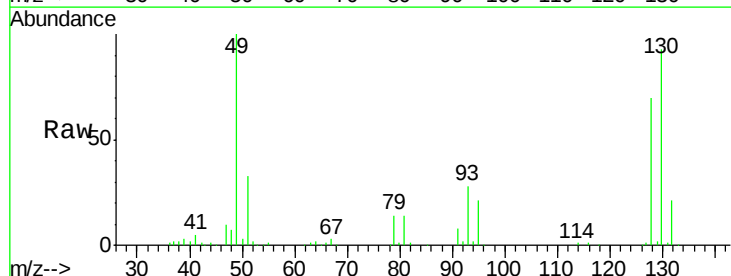
RT: 5.03 min Scan# 728

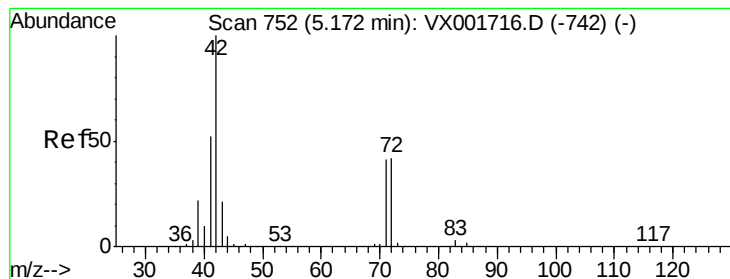
Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 137827 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.3   | 0.0   | 5.0    |
| 130      | 90.5  | 71.8  | 107.6  |





#29

Tetrahydrofuran

Concen: 275.70 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

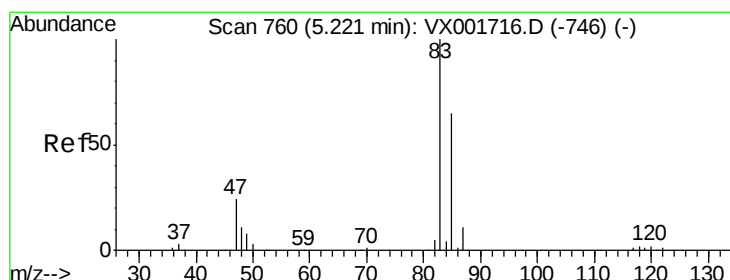
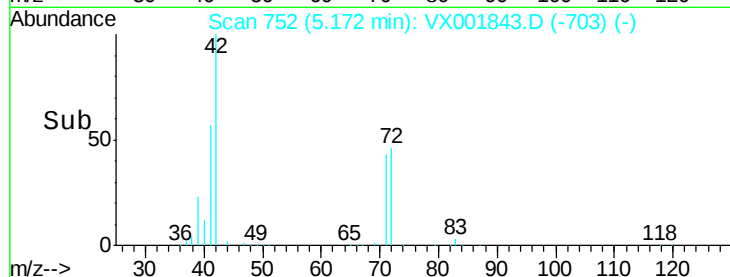
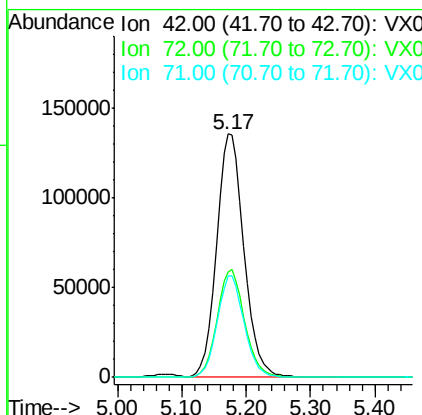
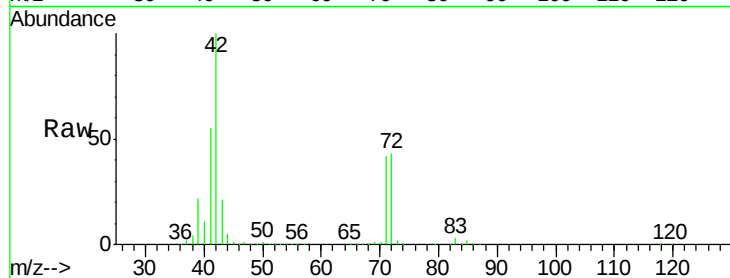
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 42    | Resp: | 403721 |
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 72        | 44.6  | 35.4  | 53.2   |
| 71        | 41.3  | 33.2  | 49.8   |

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#30

Chloroform

Concen: 50.99 ug/l

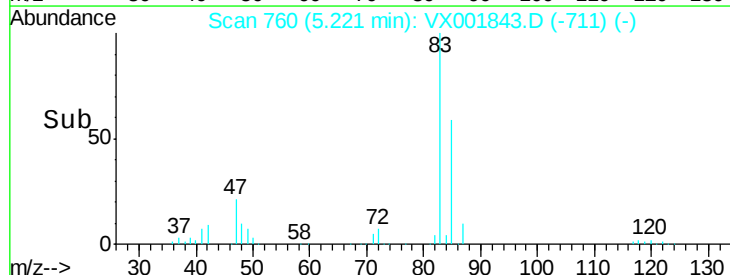
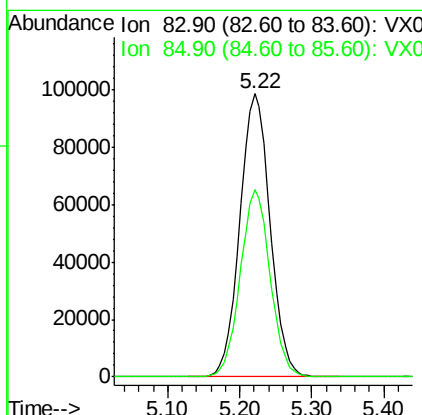
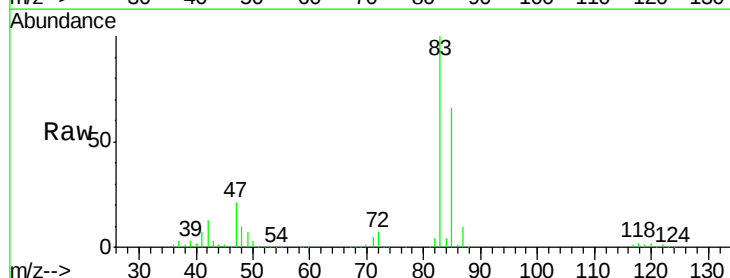
RT: 5.22 min Scan# 760

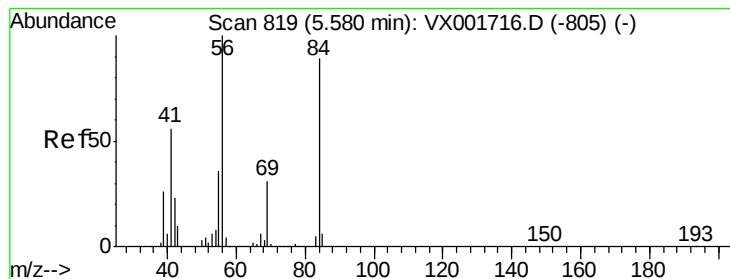
Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 286936 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 66.0  | 52.3  | 78.5   |





#31

Cyclohexane

Concen: 51.36 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

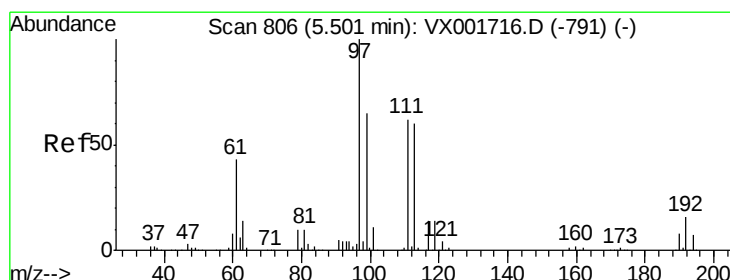
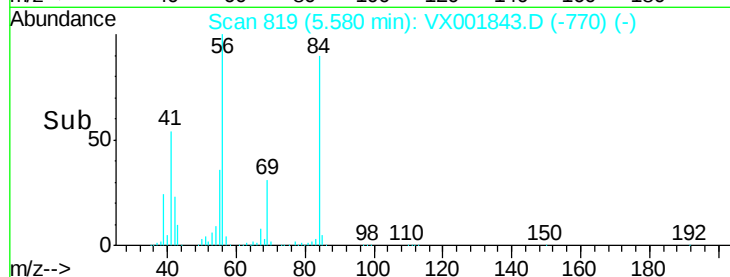
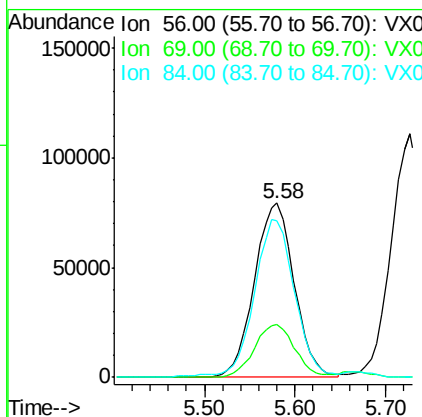
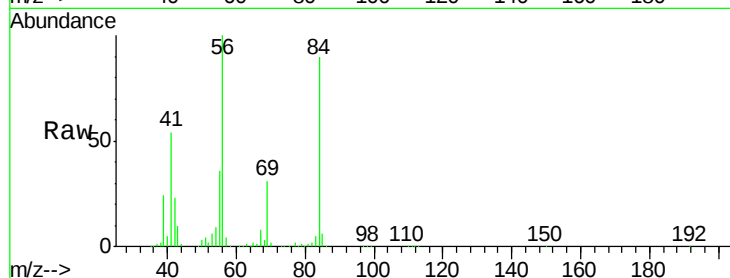
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 241181 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 30.6  | 25.0  | 37.6   |
| 84       | 88.9  | 71.0  | 106.4  |

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#32

1,1,1-Trichloroethane

Concen: 50.57 ug/l

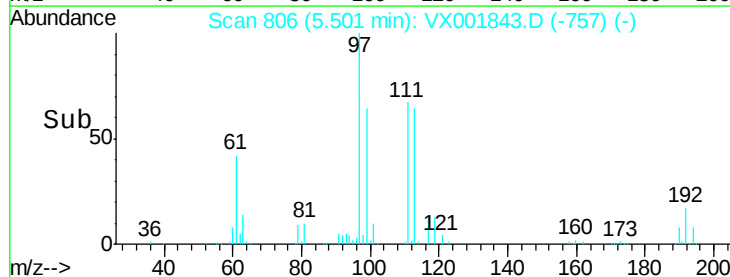
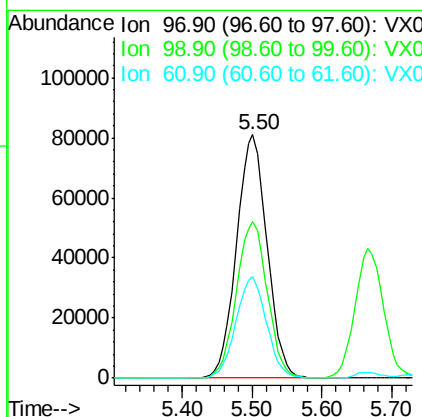
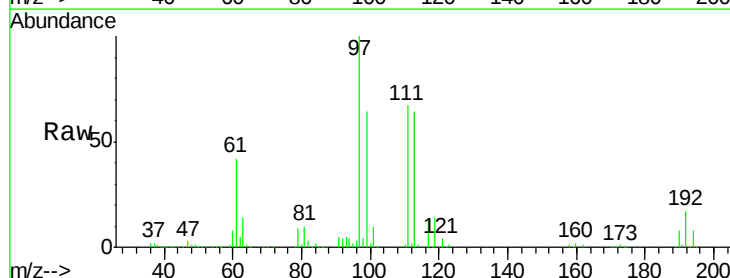
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 245915 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.9  | 51.3  | 76.9   |
| 61       | 41.6  | 34.0  | 51.0   |





#33

1,2-Dichloroethane-d4

Concen: 46.99 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 175538

Ion Ratio Lower Upper

65 100

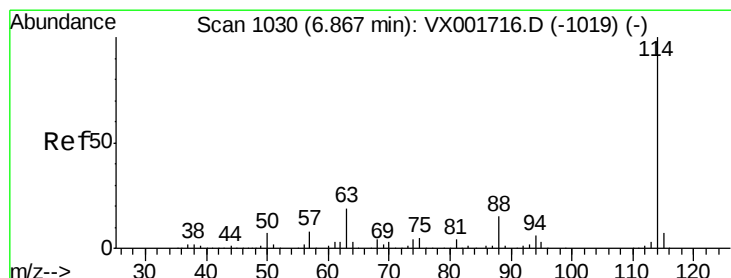
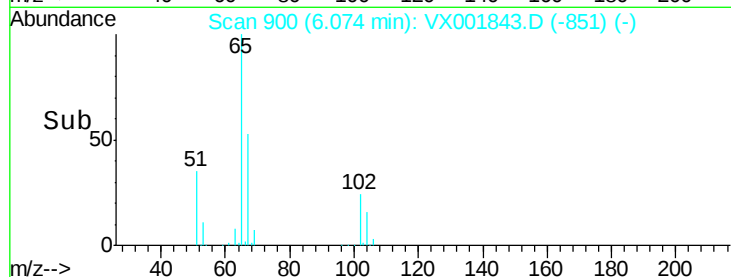
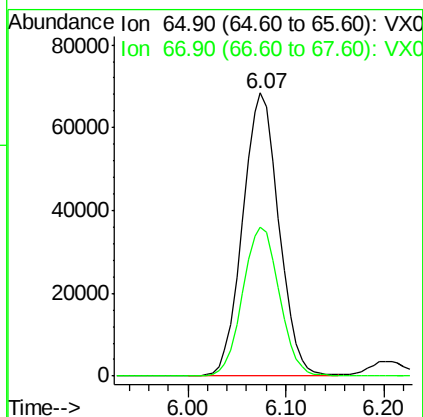
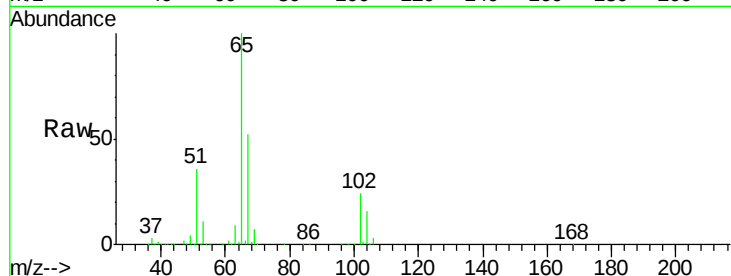
67 53.6 0.0 102.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

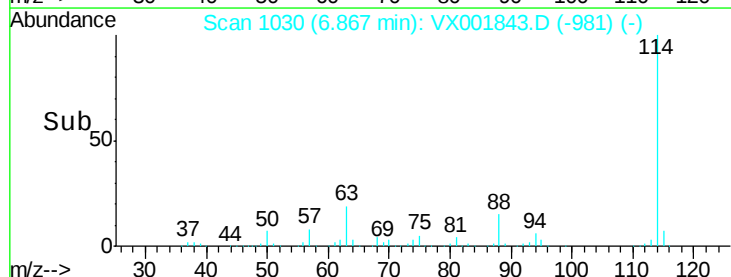
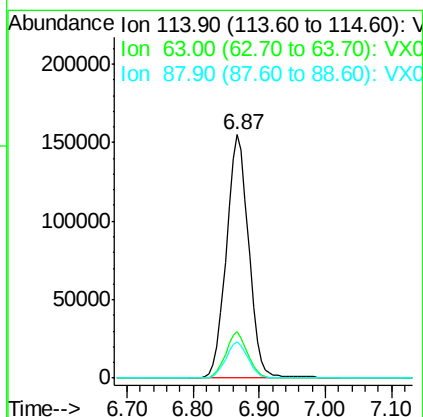
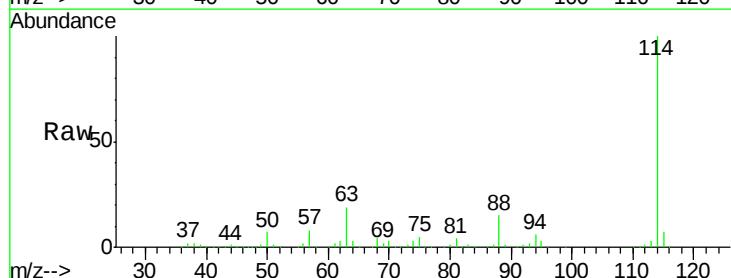
Tgt Ion: 114 Resp: 363245

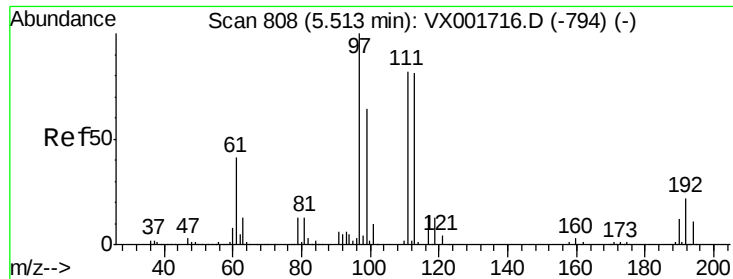
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.0

88 14.9 0.0 29.8





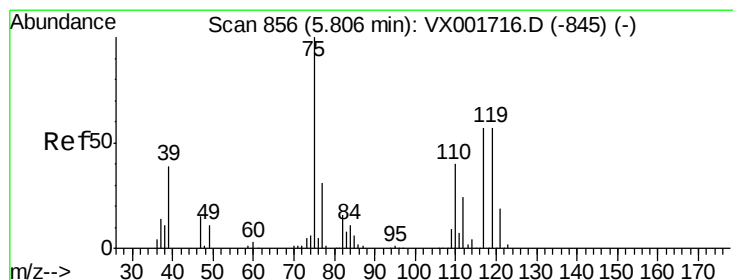
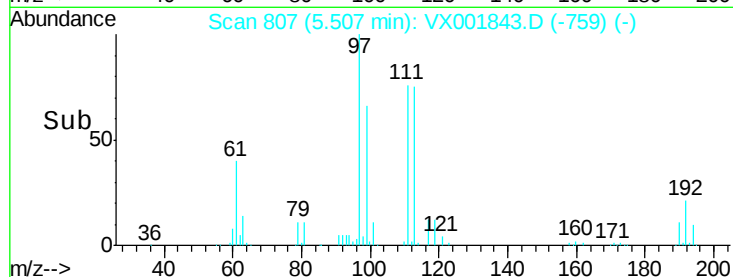
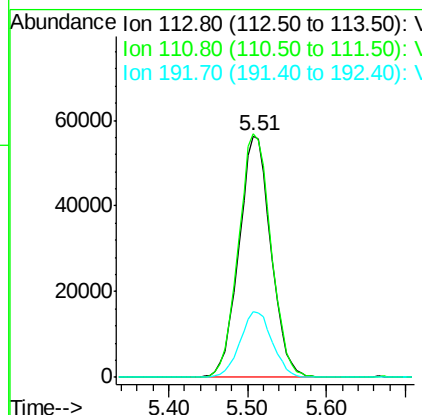
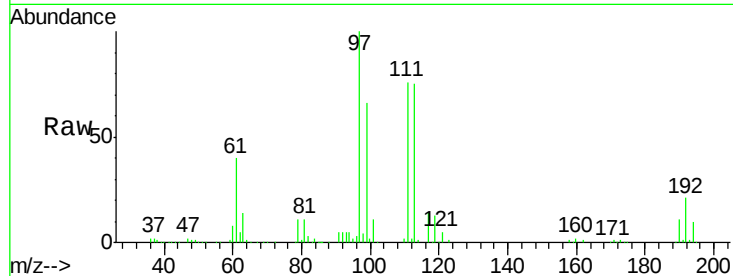
#35  
 Dibromofluoromethane  
 Concen: 51.75 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 158629 |       |       |
| 111     | 102.9 | 82.0   | 123.0 |       |
| 192     | 27.5  | 21.6   | 32.4  |       |

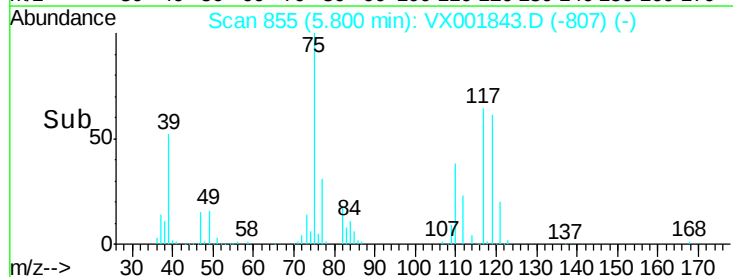
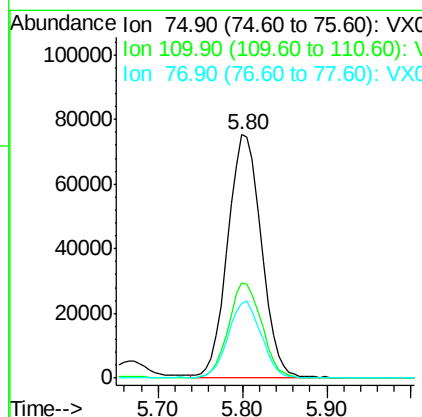
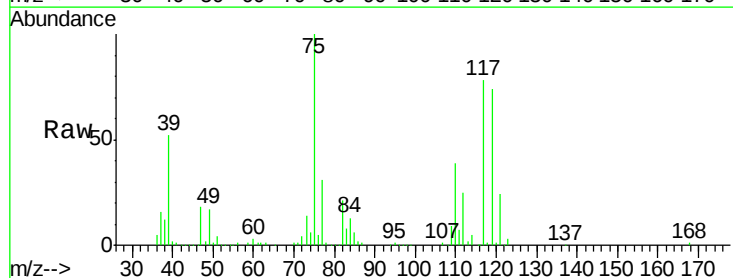
Manual Integrations  
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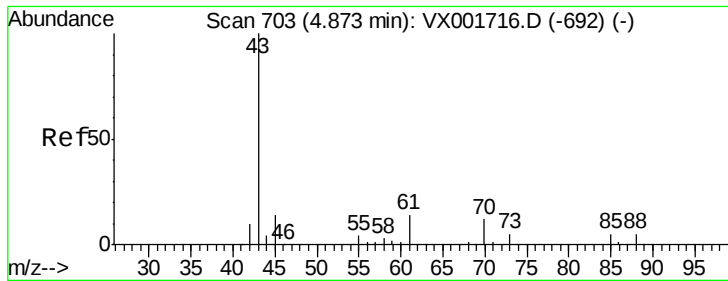
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 48.79 ug/l  
 RT: 5.80 min Scan# 855  
 Delta R.T. -0.01 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 204005 |       |       |
| 110     | 38.8  | 19.1   | 57.1  |       |
| 77      | 30.7  | 24.6   | 37.0  |       |





#37

Ethyl Acetate

Concen: 53.54 ug/l

RT: 4.87 min Scan# 703

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

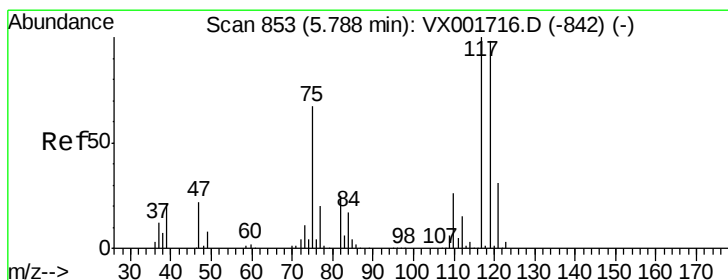
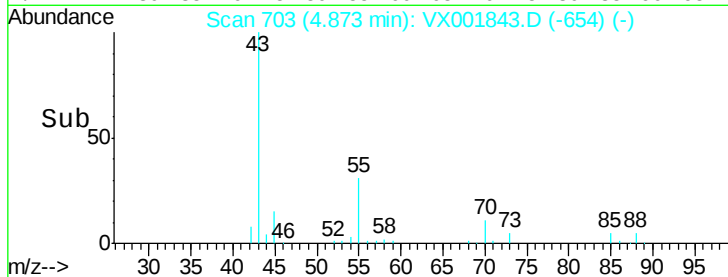
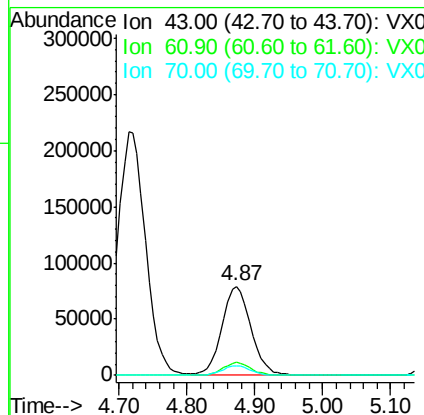
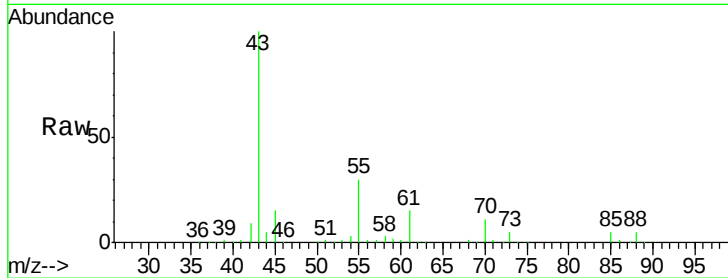
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 233333 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 13.8  | 10.9  | 16.3   |
| 70       | 10.9  | 8.8   | 13.2   |

Manual Integrations  
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5/21/2018 2:40:38 PM



#38

Carbon Tetrachloride

Concen: 50.56 ug/l

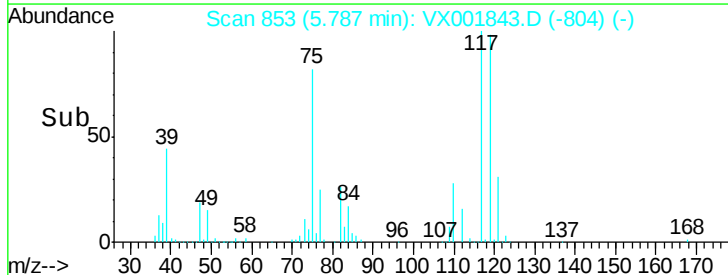
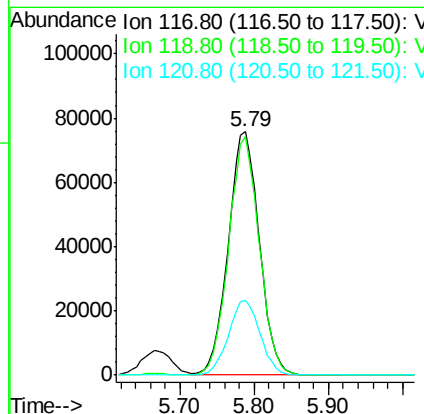
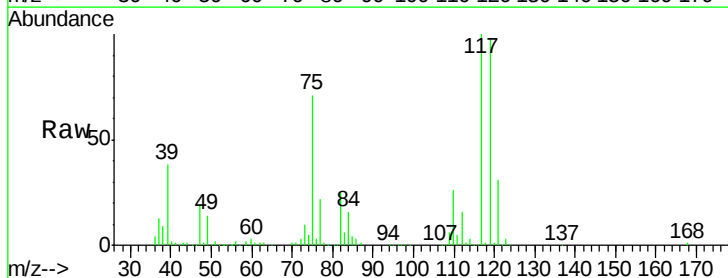
RT: 5.79 min Scan# 853

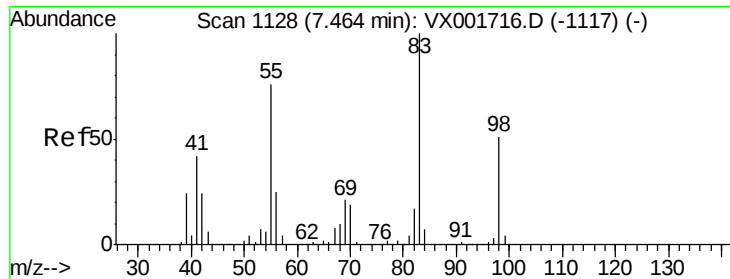
Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 221468 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.1  | 77.6  | 116.4  |
| 121      | 30.9  | 24.6  | 36.8   |





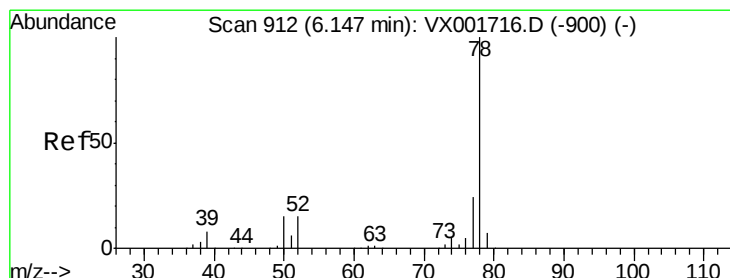
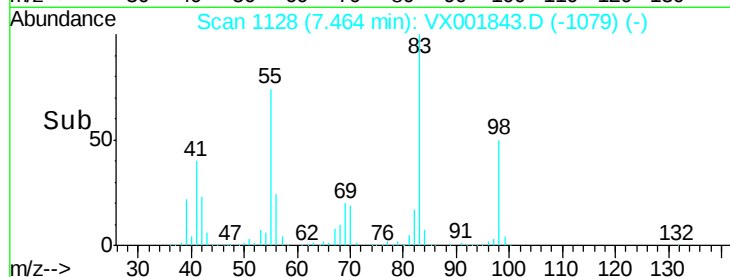
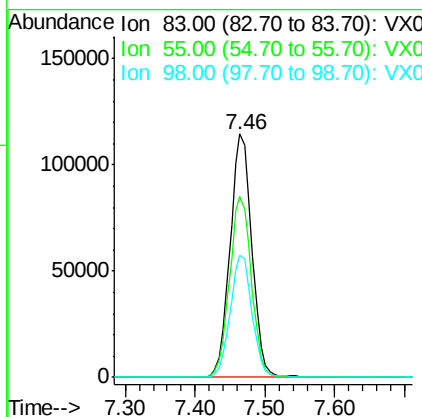
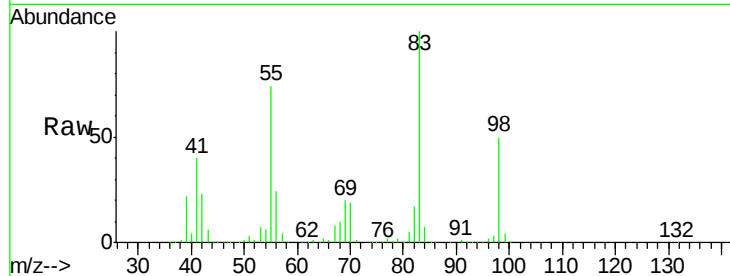
#39  
Methvlcvclohexane  
Concen: 50.69 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83    | Resp  | 247662 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 74.2  | 60.6  | 90.8   |
| 98        | 50.4  | 40.4  | 60.6   |

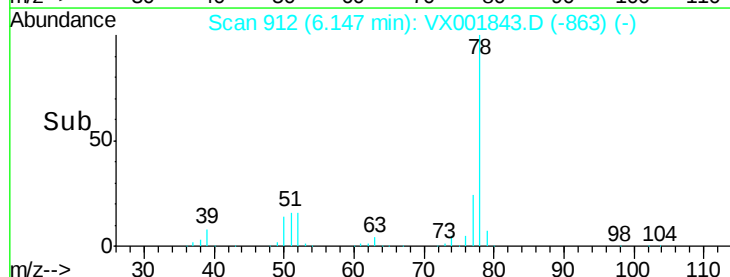
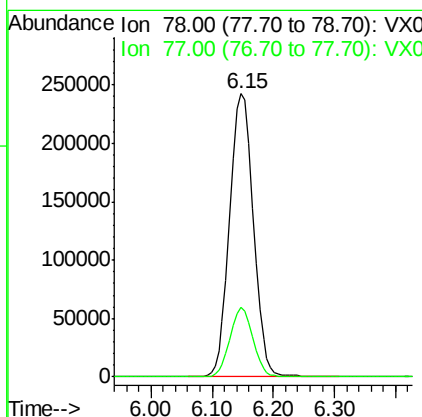
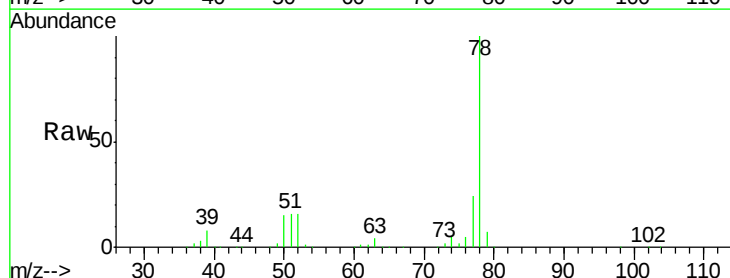
Manual Integrations  
APPROVED

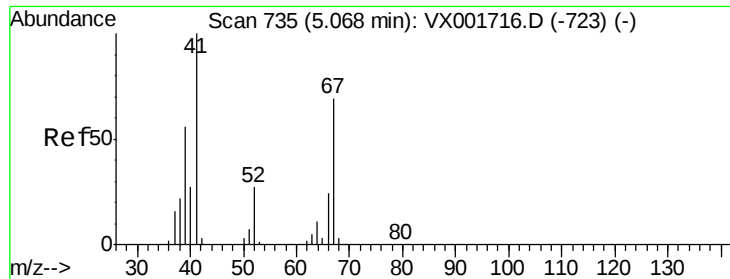
MMDadoda  
5/21/2018 2:40:38 PM



#40  
Benzene  
Concen: 52.63 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

| Tgt Ion   | 78    | Resp  | 648419 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 24.4  | 19.0  | 28.4   |





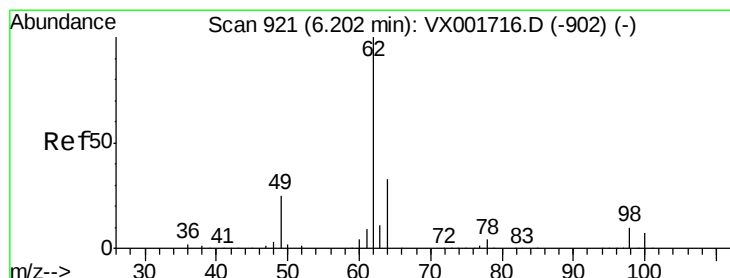
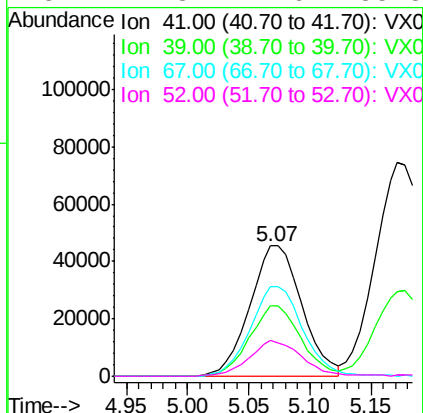
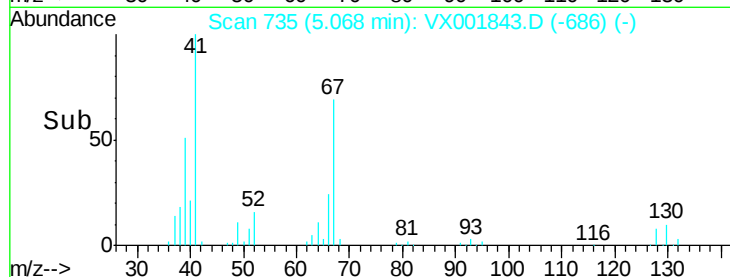
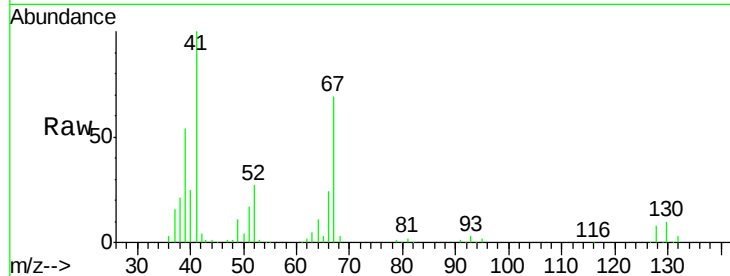
#41  
Methacrylonitrile  
Concen: 53.39 ug/l  
RT: 5.07 min Scan# 735  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.0 | 44.2  | 66.4  |       |
| 67      | 69.6 | 56.0  | 84.0  |       |
| 52      | 27.3 | 22.6  | 33.8  |       |

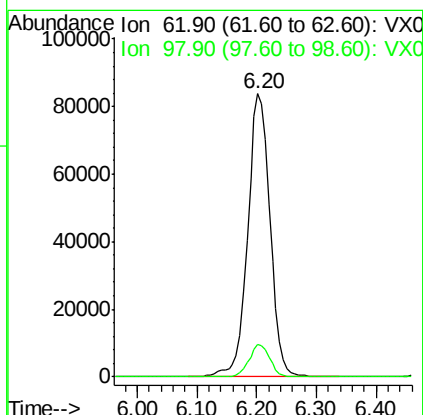
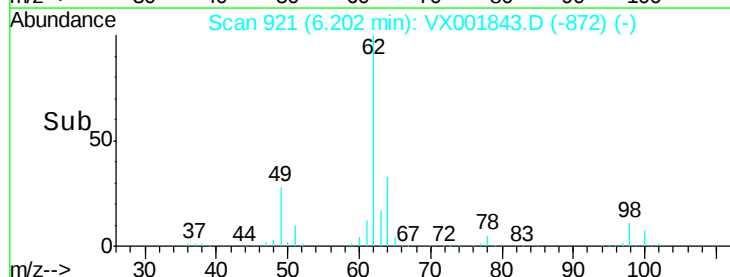
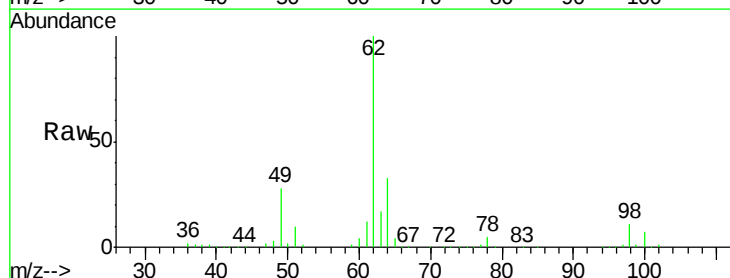
Manual Integrations  
APPROVED

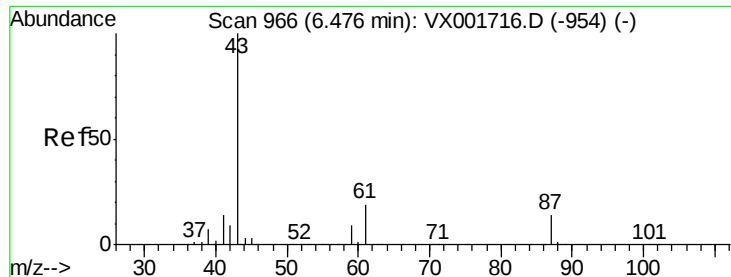
MMDadoda  
5/21/2018 2:40:38 PM



#42  
1,2-Dichloroethane  
Concen: 49.01 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.7 | 0.0   | 20.0  |       |





#43

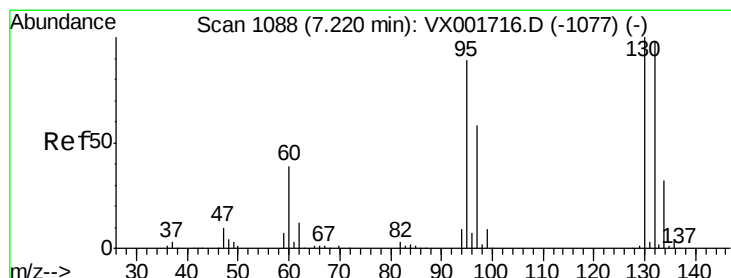
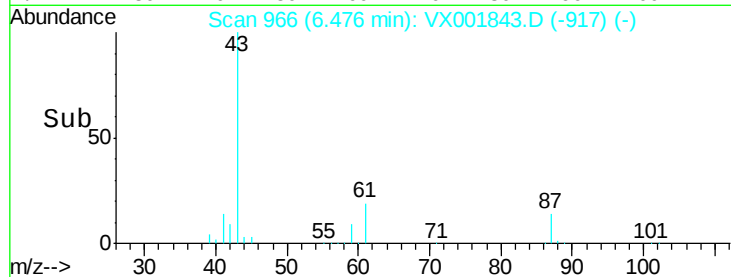
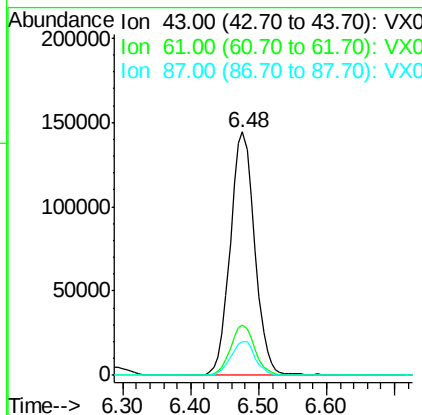
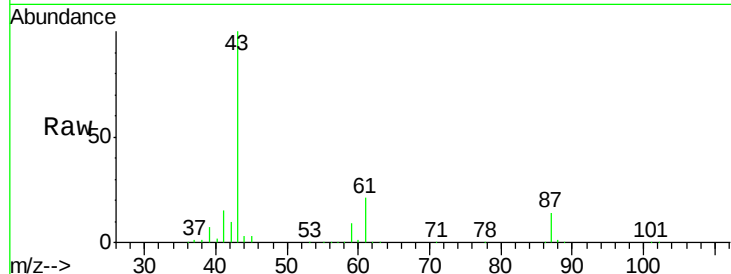
Isopropyl Acetate  
 Concen: 52.73 ug/l  
 RT: 6.48 min Scan# 966  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.5  | 15.8  | 23.8  |
| 87      | 14.0  | 11.0  | 16.4  |

Manual Integrations  
 APPROVED

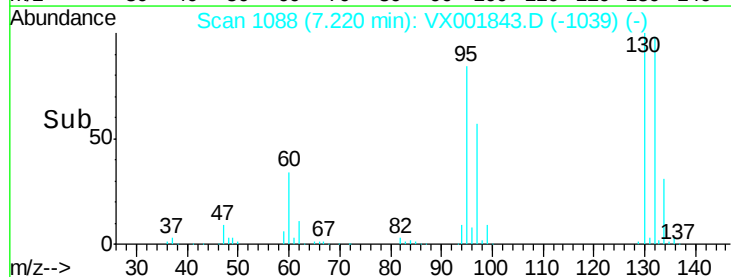
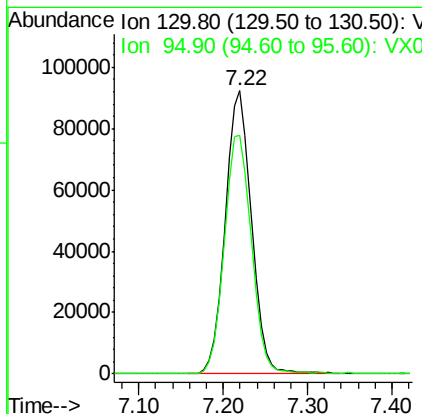
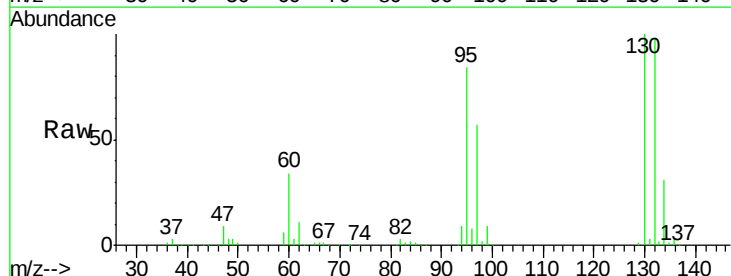
MMDadoda  
 5/21/2018 2:40:38 PM

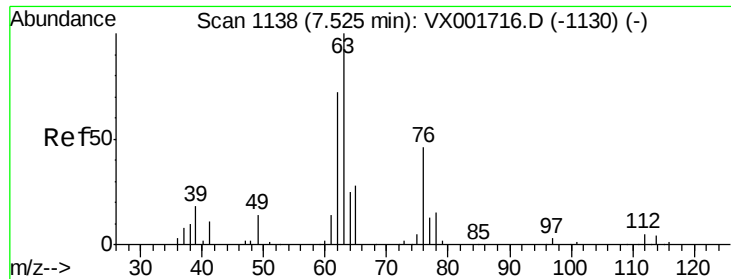


#44

Trichloroethene  
 Concen: 50.87 ug/l  
 RT: 7.22 min Scan# 1088  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 84.1  | 0.0   | 177.2 |





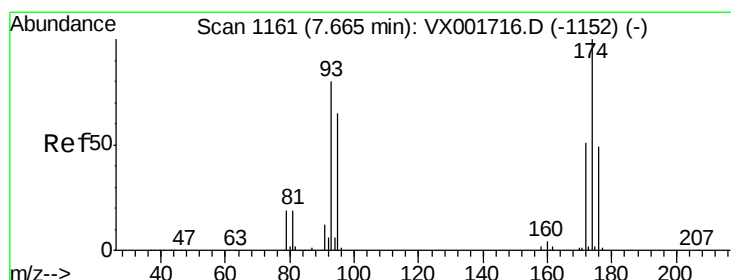
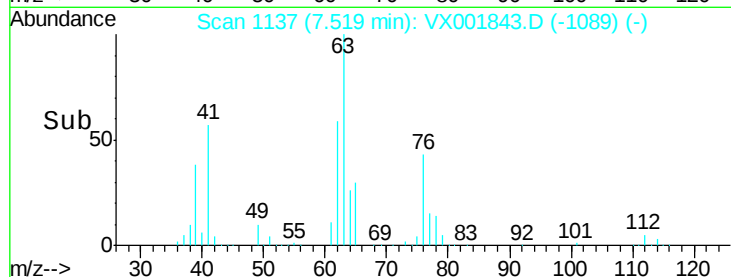
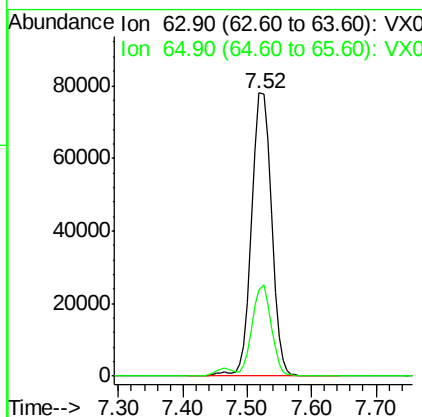
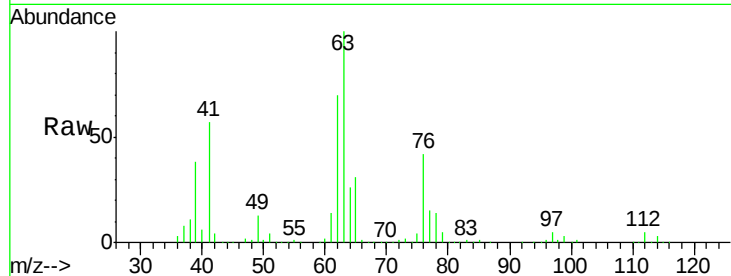
#45  
 1,2-Dichloropropane  
 Concen: 54.54 ug/l  
 RT: 7.52 min Scan# 1137  
 Delta R.T. -0.01 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 164873  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 24.2 36.2

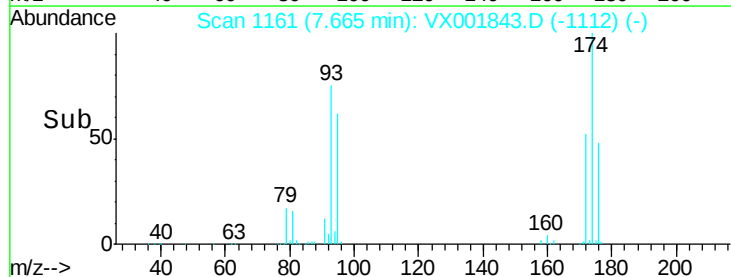
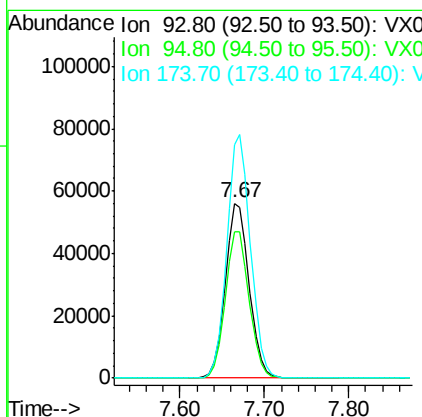
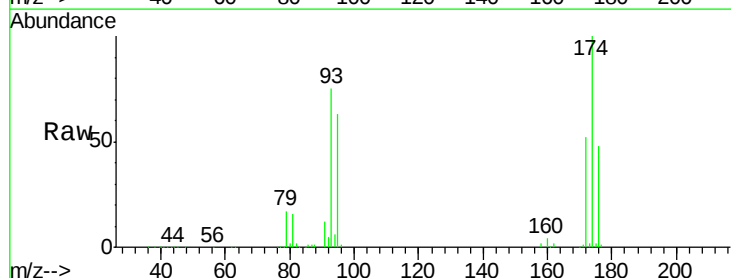
Manual Integrations  
 APPROVED

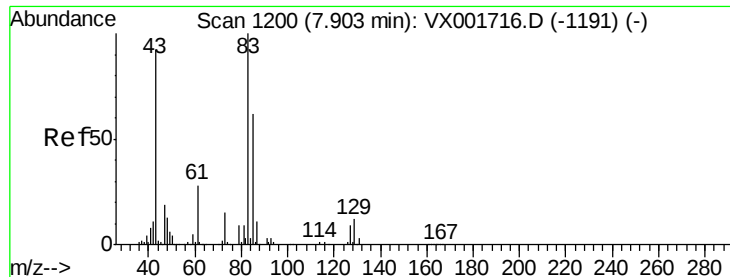
MMDadoda  
 5/21/2018 2:40:38 PM



#46  
 Dibromomethane  
 Concen: 51.14 ug/l  
 RT: 7.67 min Scan# 1161  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Tgt Ion: 93 Resp: 108565  
 Ion Ratio Lower Upper  
 93 100  
 95 83.8 65.9 98.9  
 174 137.3 106.2 159.2





#47

Bromodichloromethane

Concen: 53.30 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

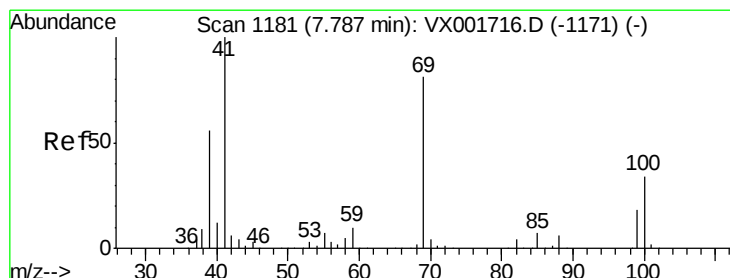
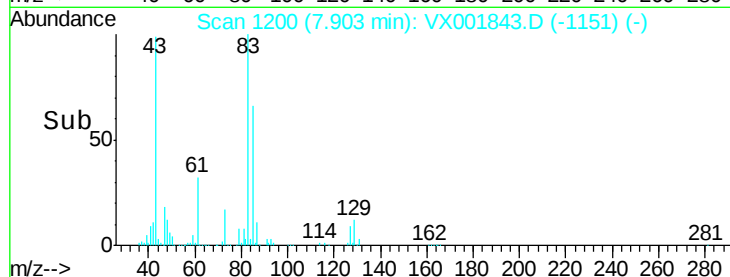
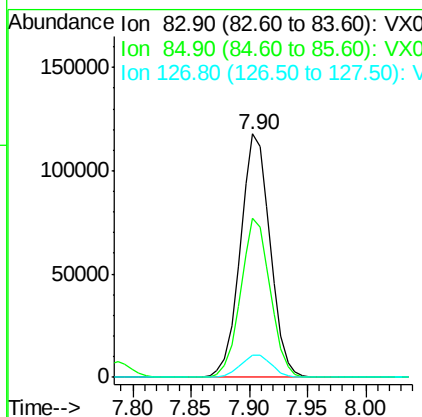
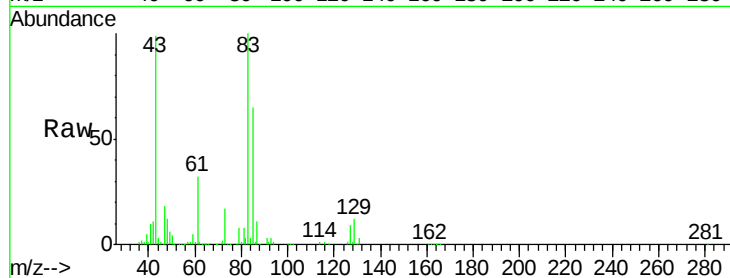
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 209940 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 65.4  | 49.6  | 74.4   |
| 127      | 9.1   | 7.5   | 11.3   |

Manual Integrations  
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MMDadoda  
5/21/2018 2:40:38 PM



#48

Methyl methacrylate

Concen: 53.74 ug/l

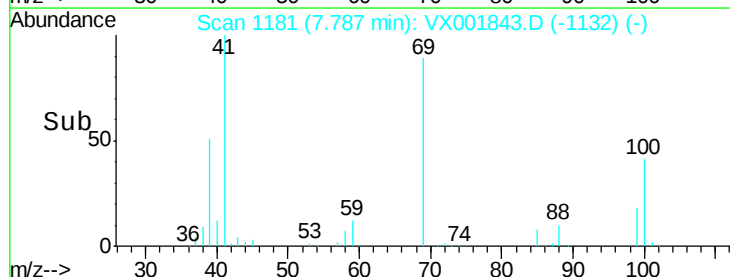
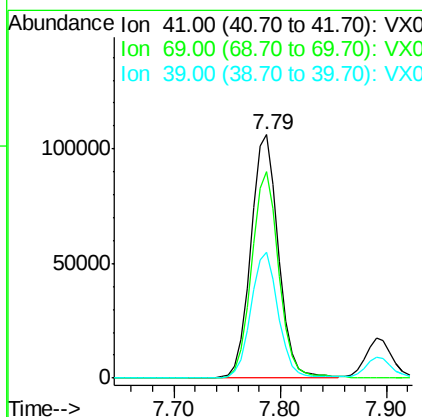
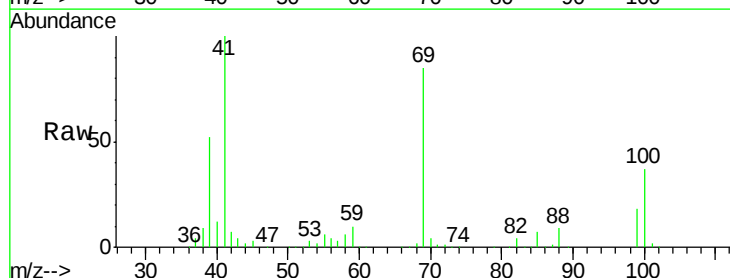
RT: 7.79 min Scan# 1181

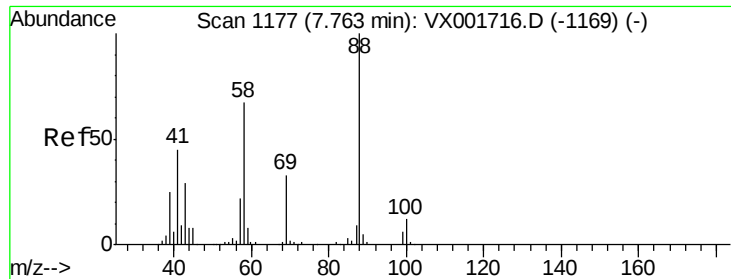
Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 192916 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 84.1  | 65.2  | 97.8   |
| 39       | 51.2  | 44.5  | 66.7   |





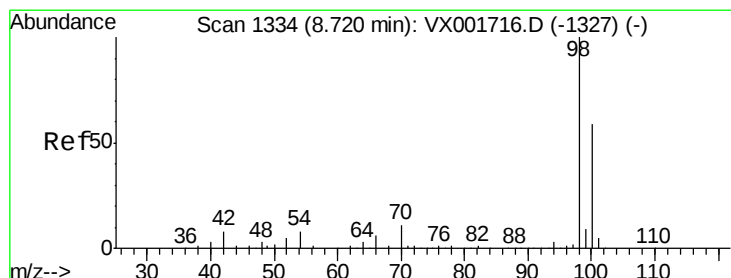
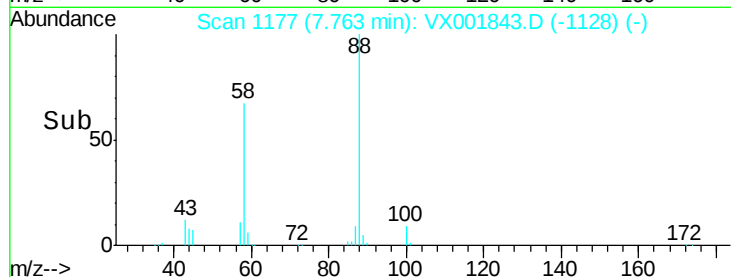
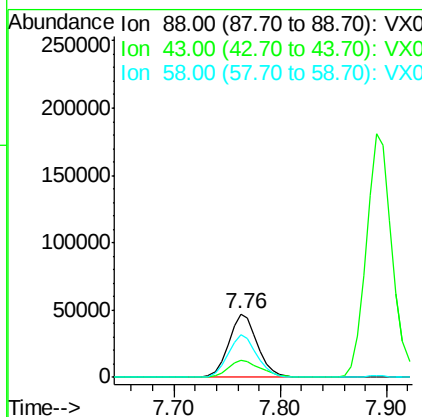
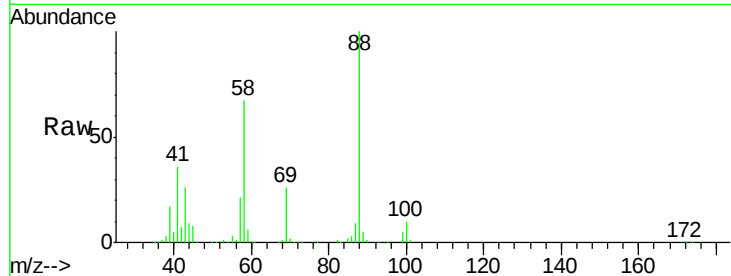
#49  
1,4-Dioxane  
Concen: 1269.58 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 88   | Resp  | 87757 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 88        | 100  |       |       |
| 43        | 30.4 | 27.3  | 40.9  |
| 58        | 68.4 | 55.9  | 83.9  |

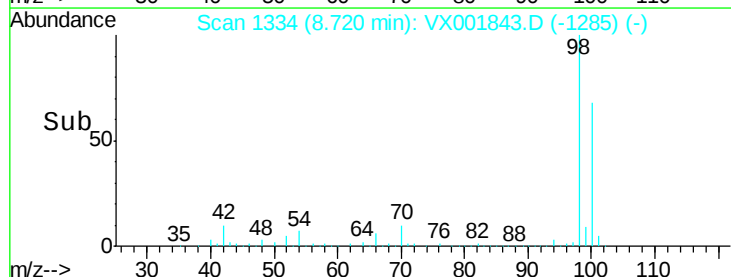
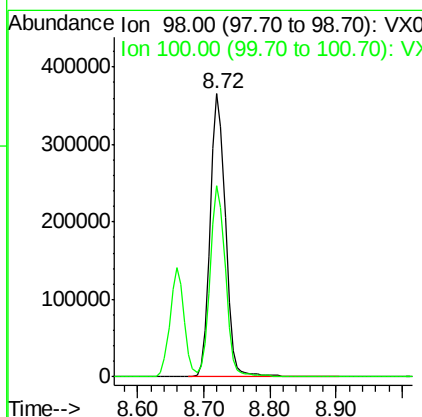
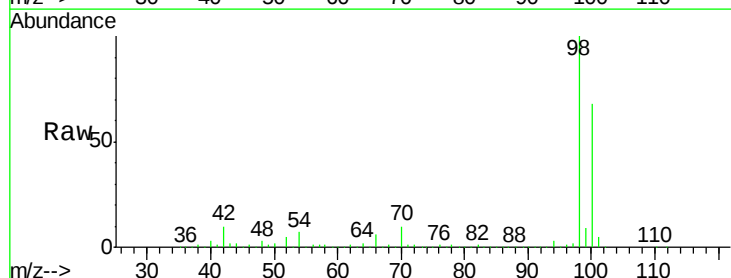
Manual Integrations  
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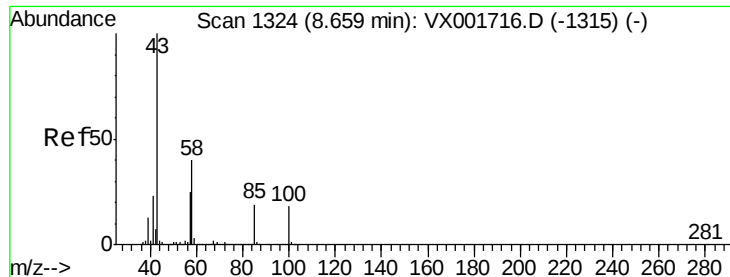
MMDadoda  
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#50  
Toluene-d8  
Concen: 53.54 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

| Tgt Ion   | 98   | Resp  | 587768 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 98        | 100  |       |        |
| 100       | 67.9 | 54.0  | 81.0   |





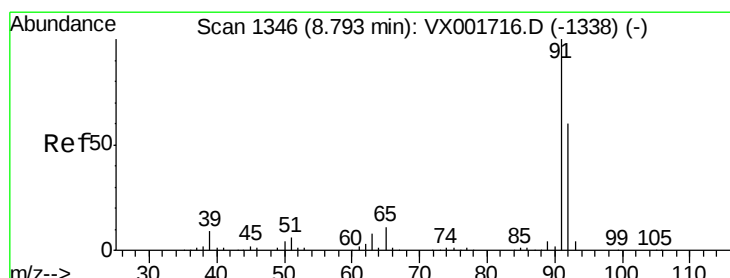
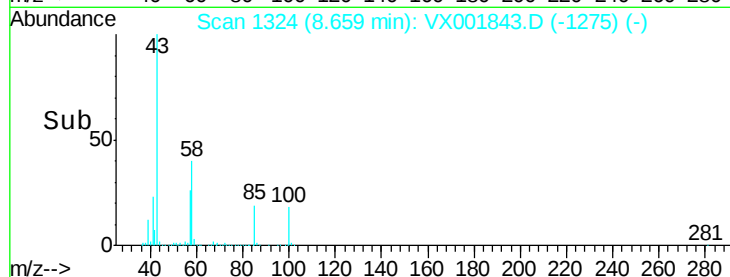
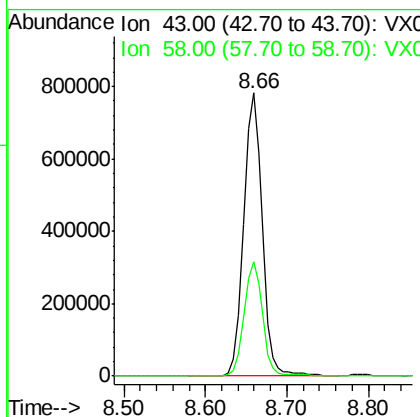
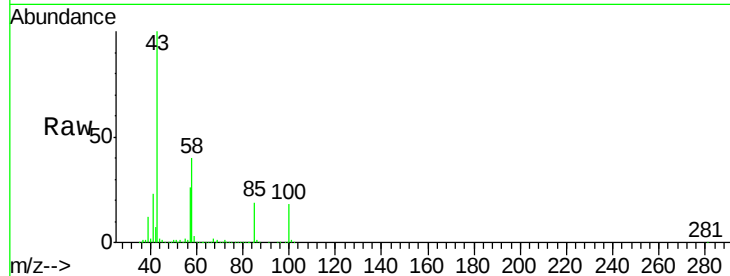
#51  
4-Methyl-2-Pentanone  
Concen: 283.68 ug/l  
RT: 8.66 min Scan# 1324  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1226143  
Ion Ratio Lower Upper  
43 100  
58 39.8 31.4 47.0

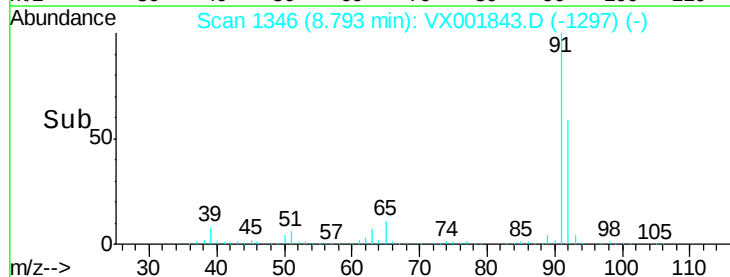
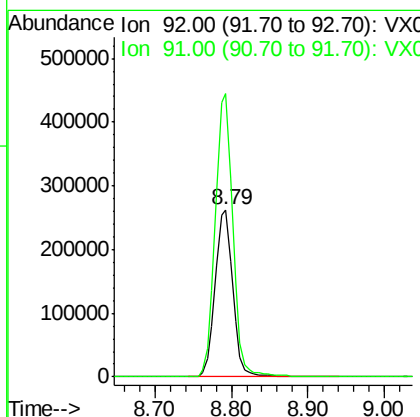
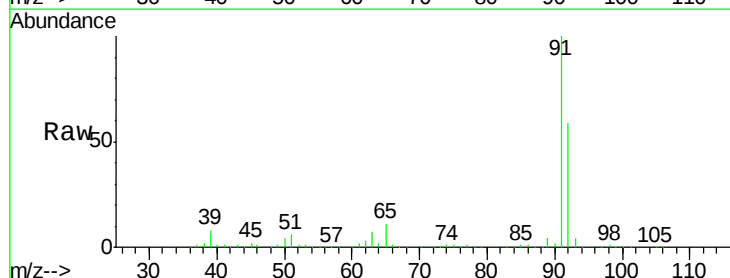
Manual Integrations  
APPROVED

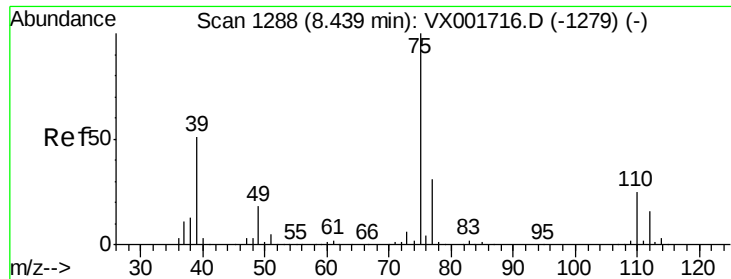
MMDadoda  
5/21/2018 2:40:38 PM



#52  
Toluene  
Concen: 53.30 ug/l  
RT: 8.79 min Scan# 1346  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Tgt Ion: 92 Resp: 421985  
Ion Ratio Lower Upper  
92 100  
91 168.6 135.5 203.3





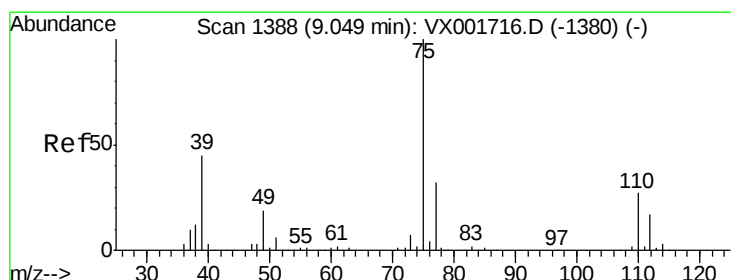
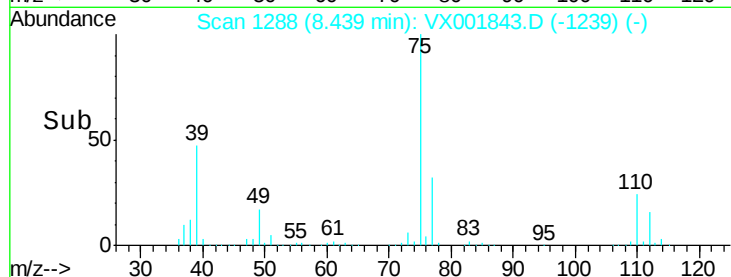
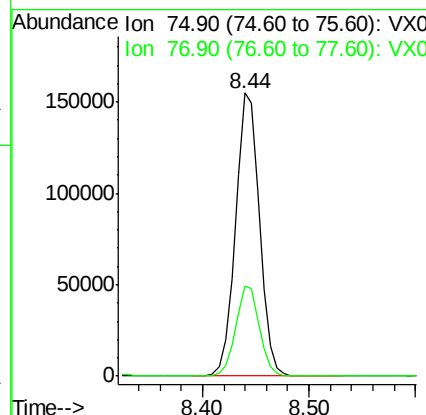
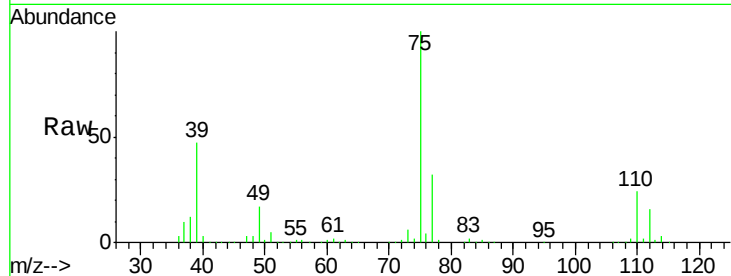
#53  
t-1,3-Dichloropropene  
Concen: 52.68 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 75 Resp: 244167  
Ion Ratio Lower Upper  
75 100  
77 31.8 25.0 37.6

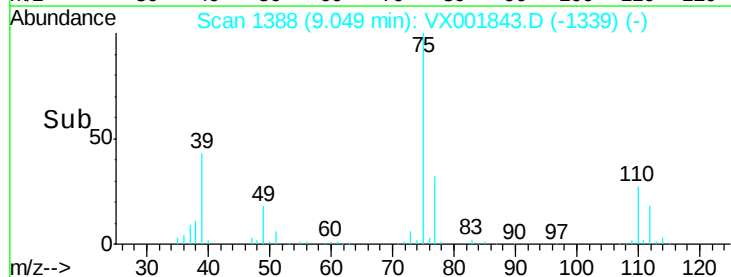
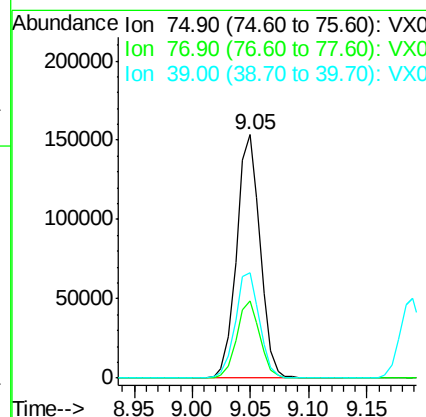
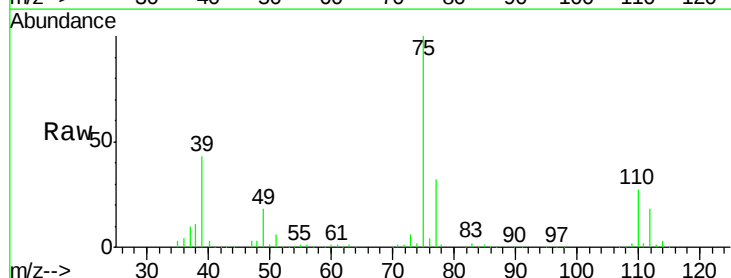
Manual Integrations  
APPROVED

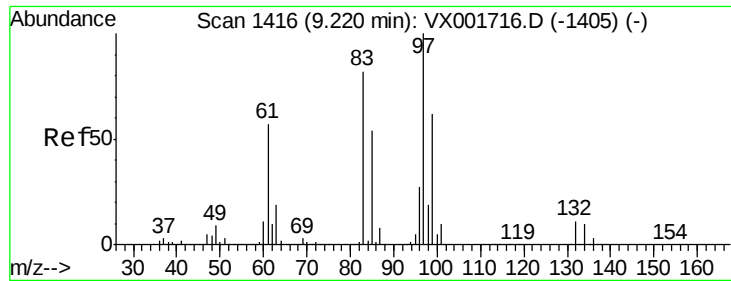
MMDadoda  
5/21/2018 2:40:38 PM



#54  
cis-1,3-Dichloropropene  
Concen: 52.89 ug/l  
RT: 9.05 min Scan# 1388  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Tgt Ion: 75 Resp: 216066  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.4 38.2  
39 43.2 36.1 54.1





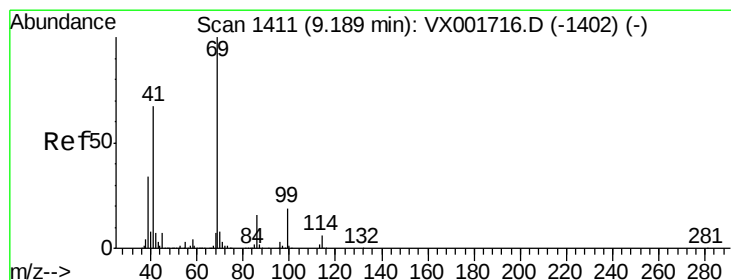
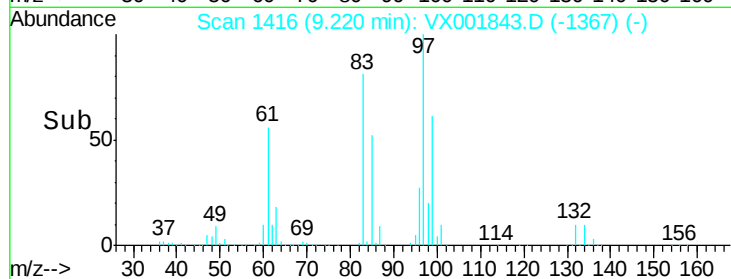
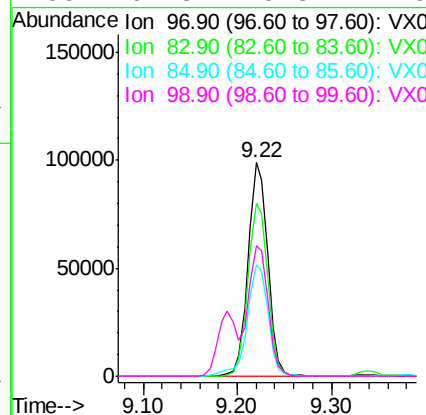
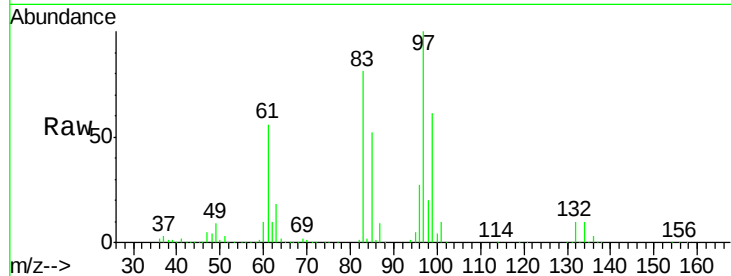
#55  
 1,1,2-Trichloroethane  
 Concen: 47.52 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 143793 |       |       |
| 83      | 80.8 | 65.8  | 98.8   |       |       |
| 85      | 52.4 | 43.4  | 65.0   |       |       |
| 99      | 61.3 | 49.8  | 74.6   |       |       |

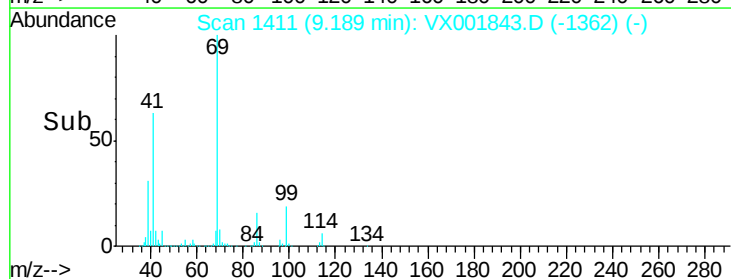
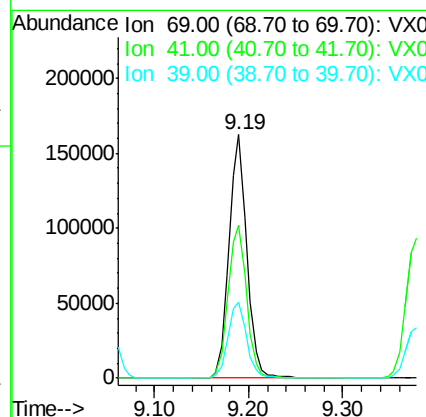
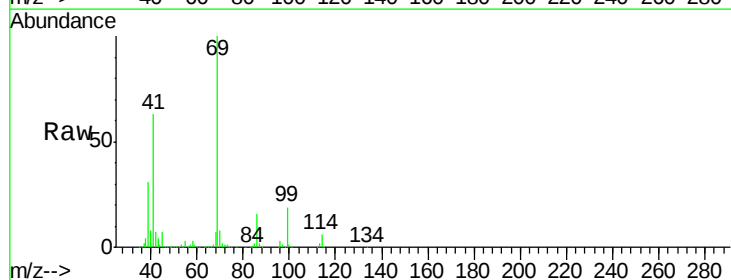
Manual Integrations  
 APPROVED

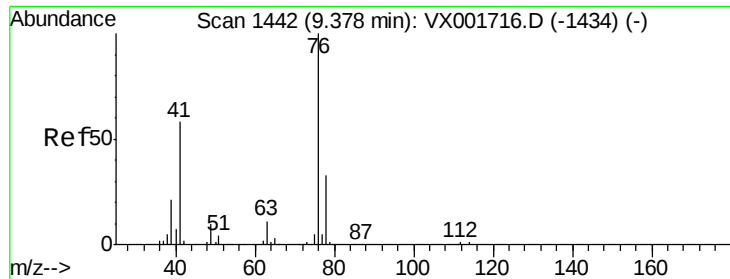
MMDadoda  
 5/21/2018 2:40:38 PM



#56  
 Ethyl methacrylate  
 Concen: 49.68 ug/l  
 RT: 9.19 min Scan# 1411  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 213174 |       |       |
| 41      | 65.4 | 53.5  | 80.3   |       |       |
| 39      | 32.4 | 27.2  | 40.8   |       |       |





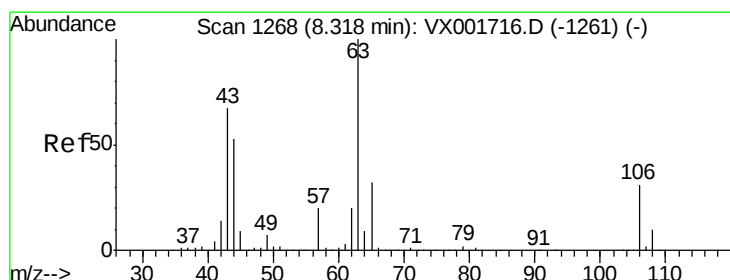
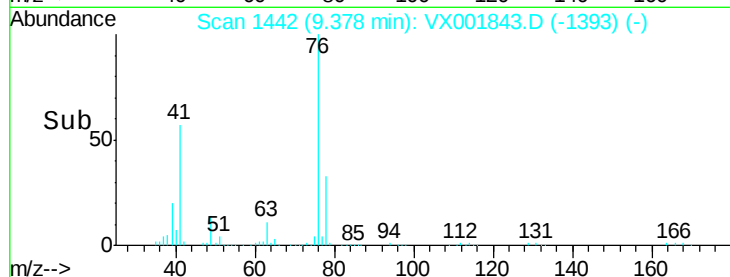
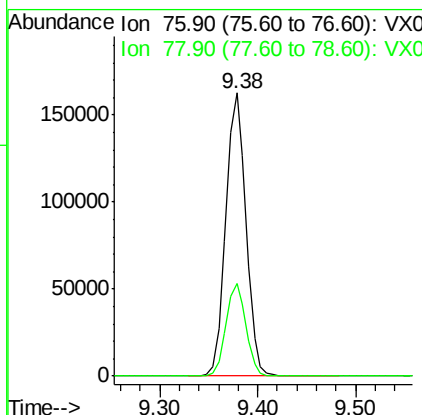
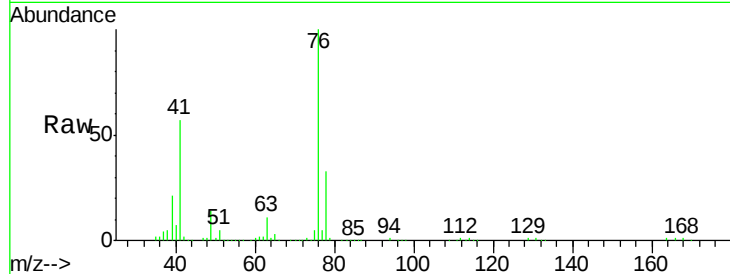
#57  
 1,3-Dichloropropane  
 Concen: 45.91 ug/l  
 RT: 9.38 min Scan# 1442  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.6  | 25.8  | 38.6  |

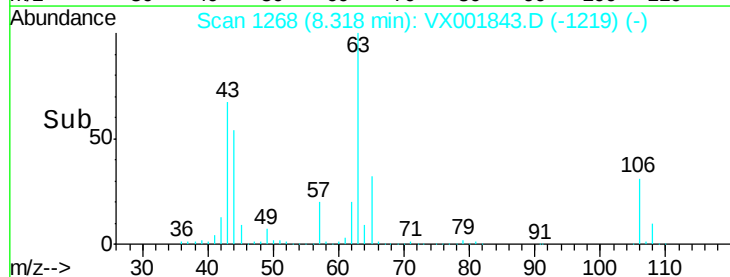
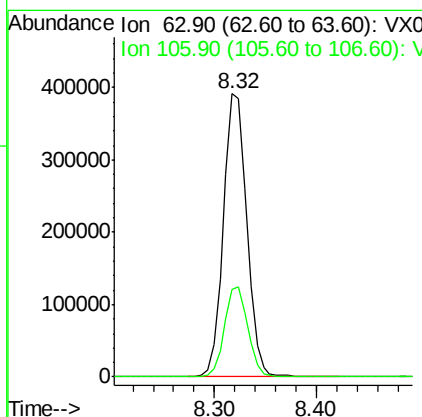
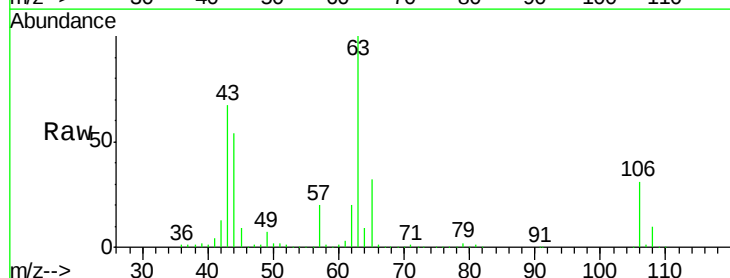
Manual Integrations  
 APPROVED

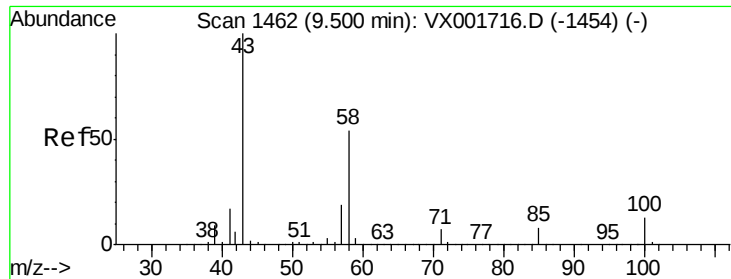
MMDadoda  
 5/21/2018 2:40:38 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 282.52 ug/l  
 RT: 8.32 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 31.6  | 25.1  | 37.7  |





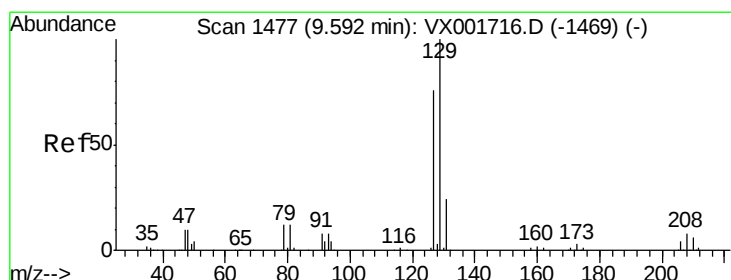
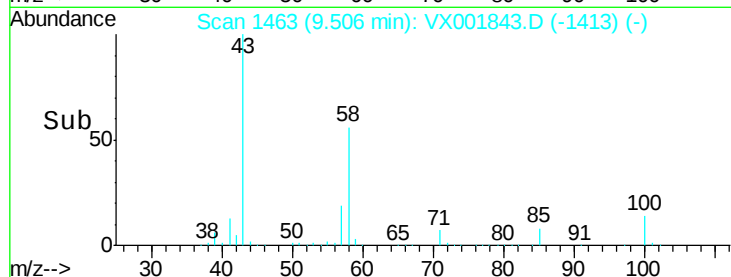
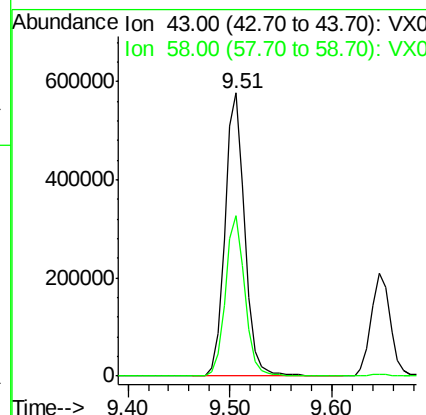
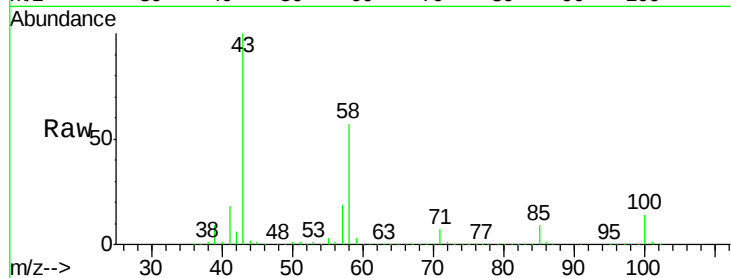
#59  
2-Hexanone  
Concen: 251.90 ug/l  
RT: 9.51 min Scan# 1463  
Delta R.T. 0.01 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 779409  
Ion Ratio Lower Upper  
43 100  
58 56.0 27.7 83.1

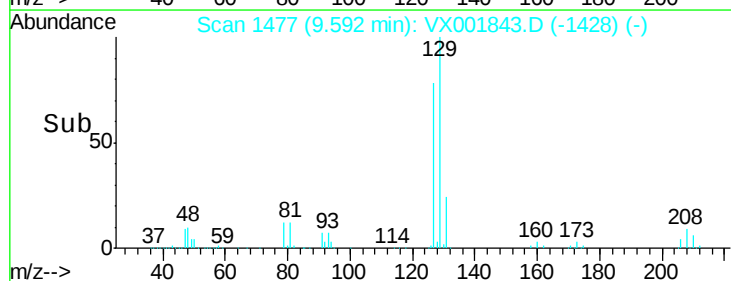
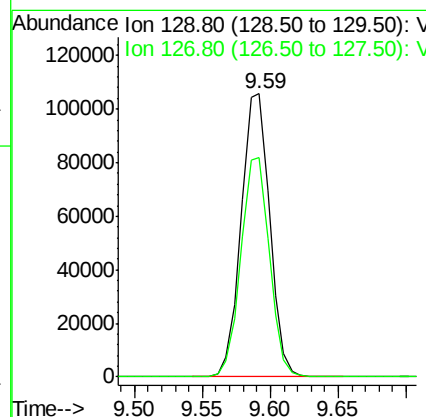
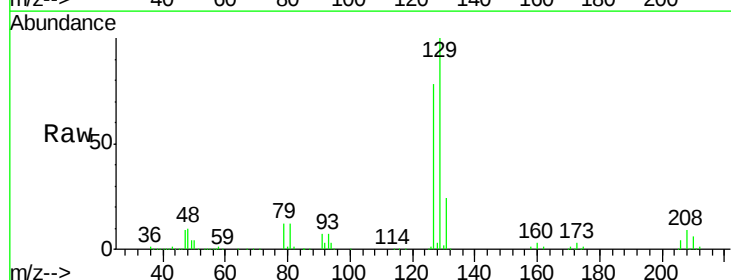
Manual Integrations  
APPROVED

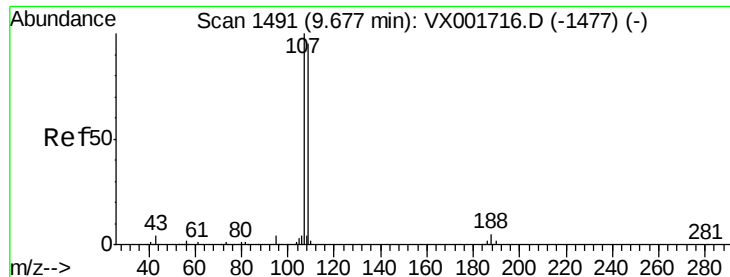
MMDadoda  
5/21/2018 2:40:38 PM



#60  
Dibromochloromethane  
Concen: 49.99 ug/l  
RT: 9.59 min Scan# 1477  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Tgt Ion: 129 Resp: 154914  
Ion Ratio Lower Upper  
129 100  
127 77.4 38.7 116.1





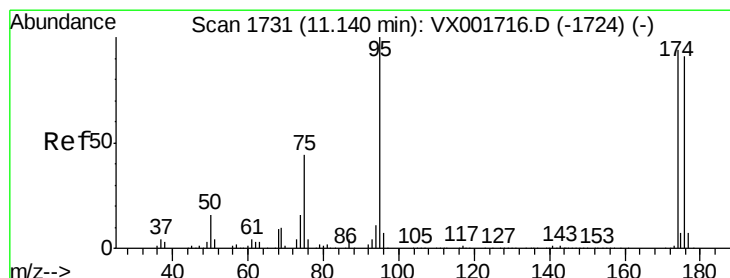
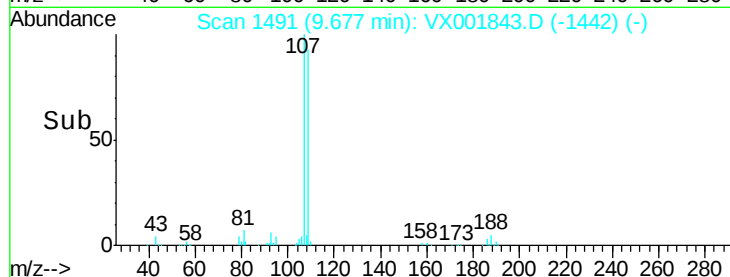
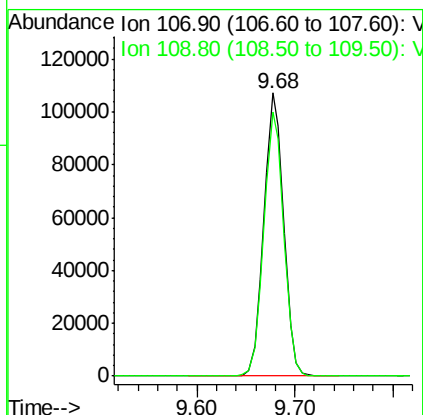
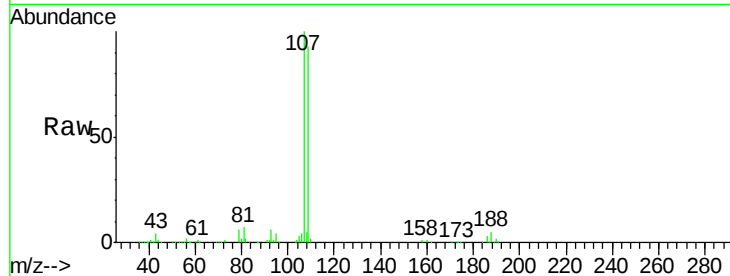
#61  
 1,2-Dibromoethane  
 Concen: 47.51 ug/l  
 RT: 9.68 min Scan# 1491  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:107 Resp: 150510  
 Ion Ratio Lower Upper  
 107 100  
 109 94.4 76.2 114.2

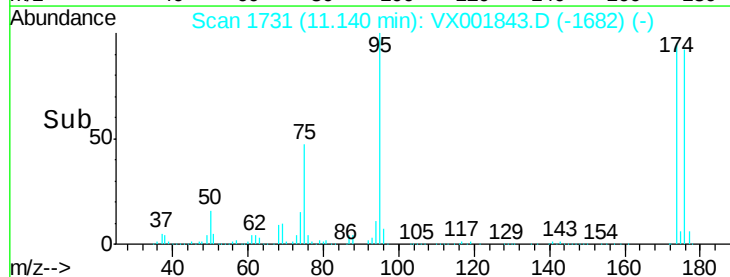
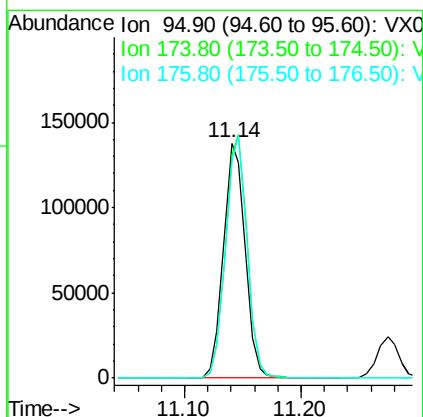
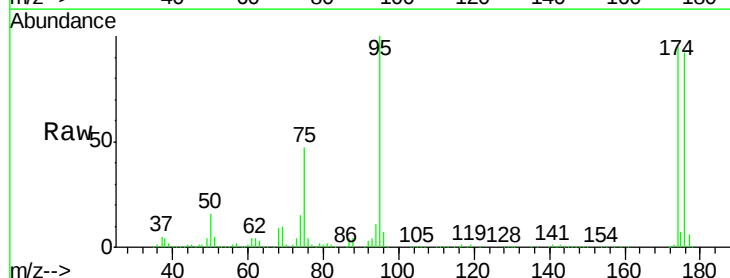
Manual Integrations  
 APPROVED

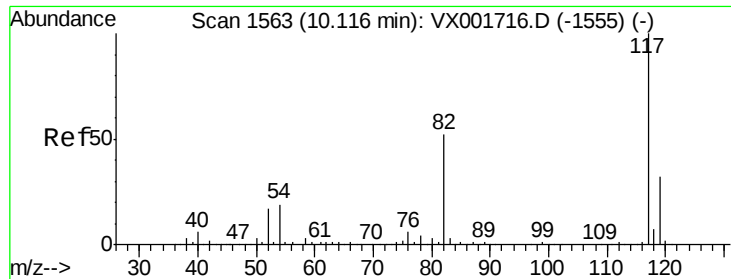
MMDadoda  
 5/21/2018 2:40:38 PM



#62  
 4-Bromofluorobenzene  
 Concen: 44.77 ug/l  
 RT: 11.14 min Scan# 1731  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Tgt Ion: 95 Resp: 176995  
 Ion Ratio Lower Upper  
 95 100  
 174 104.0 0.0 201.8  
 176 101.9 0.0 196.8





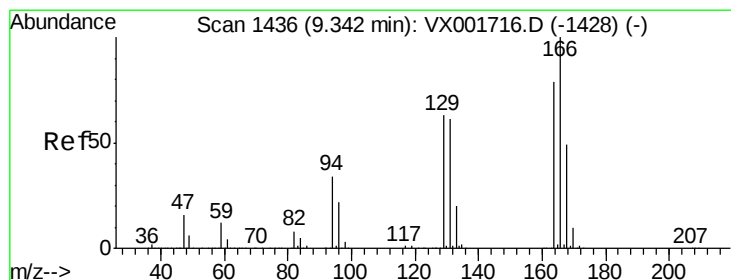
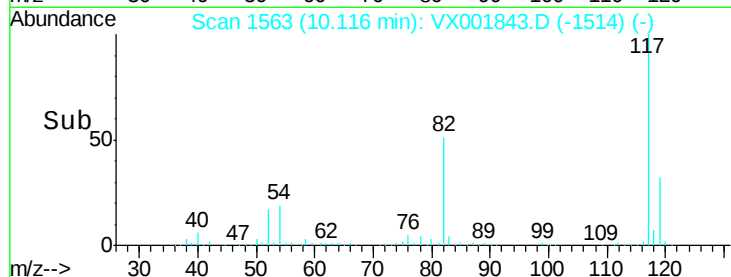
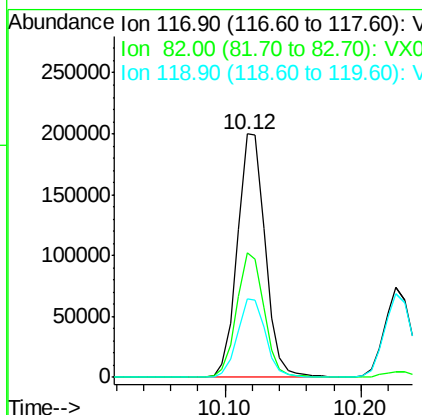
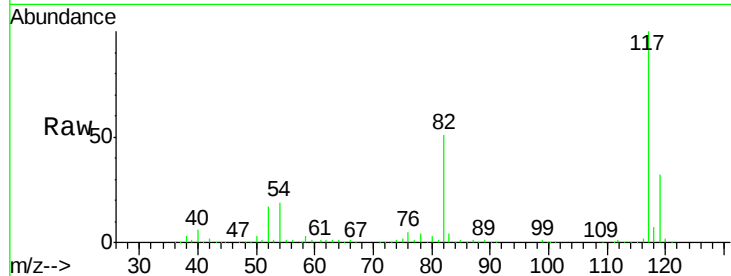
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.4  | 41.4  | 62.2  |
| 119     | 32.0  | 25.6  | 38.4  |

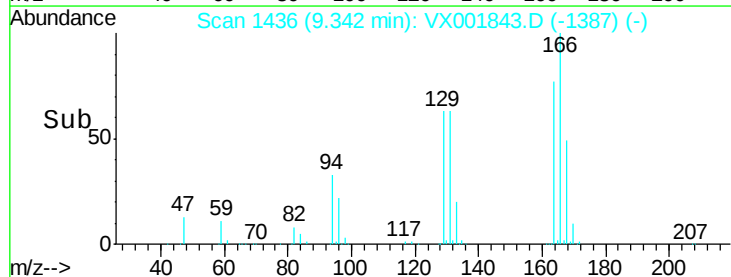
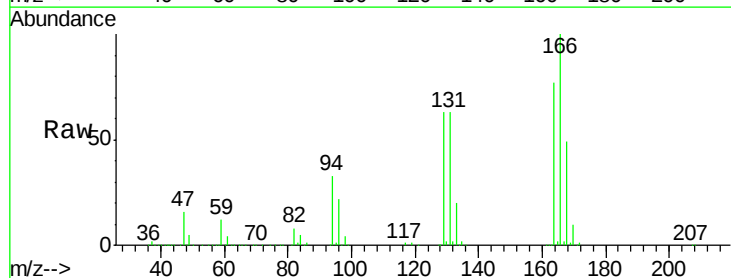
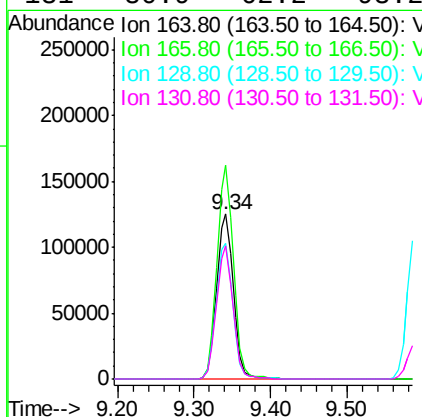
Manual Integrations  
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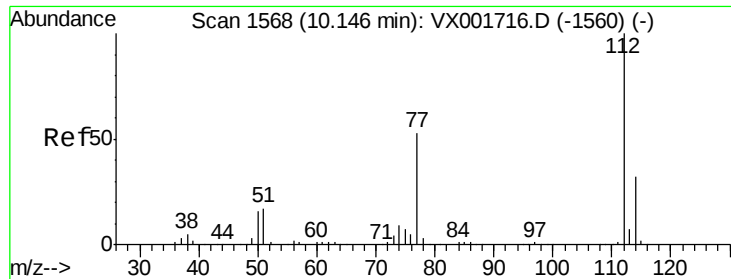
MMDadoda  
5/21/2018 2:40:38 PM



#64  
Tetrachloroethene  
Concen: 51.34 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.4 | 101.8 | 152.8 |
| 129     | 82.1  | 63.8  | 95.6  |
| 131     | 80.9  | 62.2  | 93.2  |





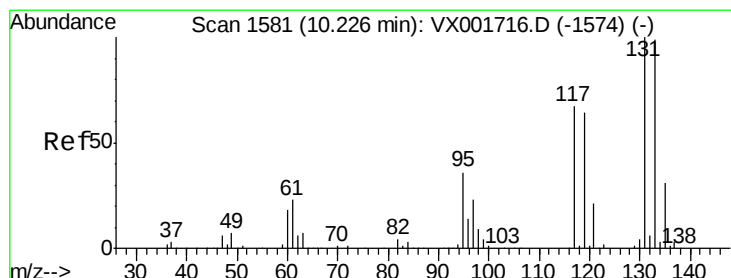
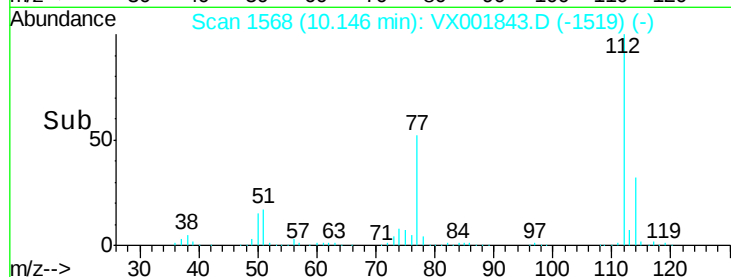
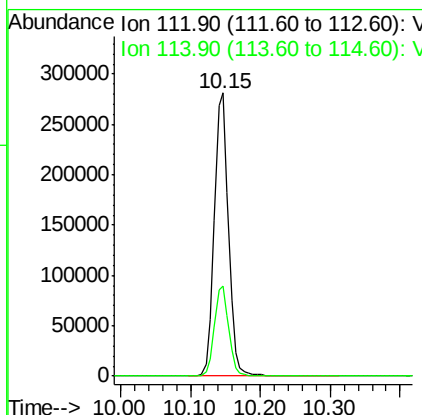
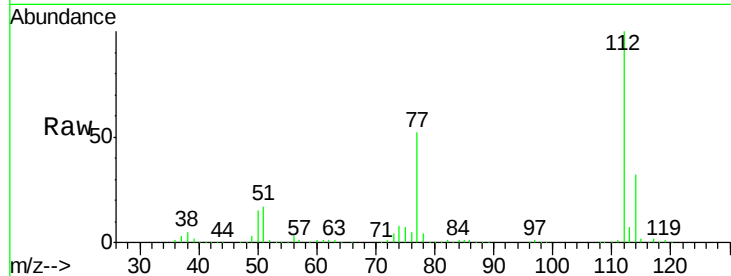
#65  
Chlorobenzene  
Concen: 50.52 ug/l  
RT: 10.15 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 395983  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.6 38.4

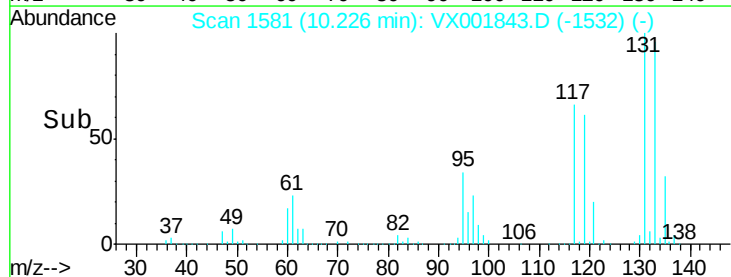
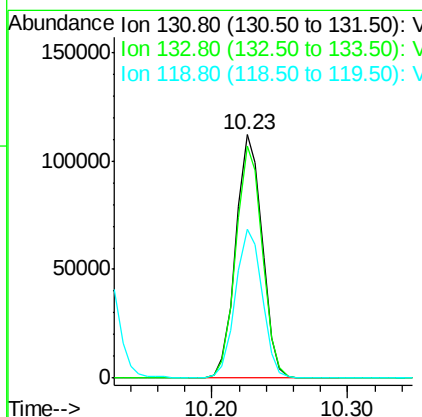
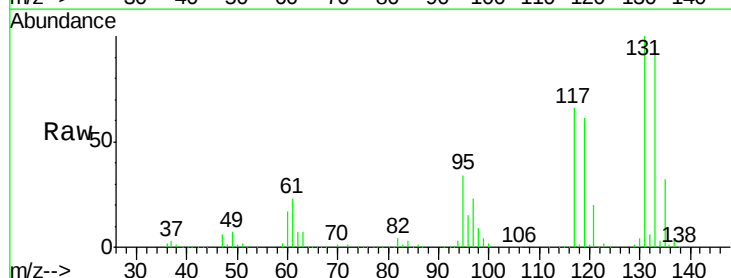
Manual Integrations  
APPROVED

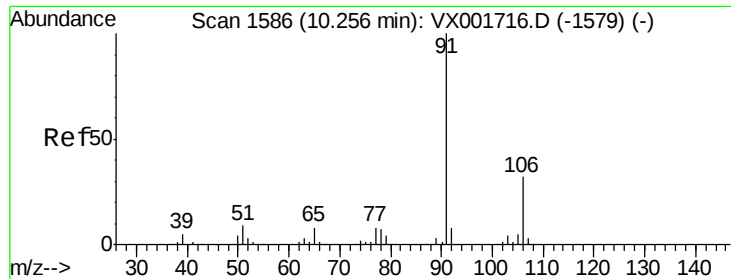
MMDadoda  
5/21/2018 2:40:38 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.71 ug/l  
RT: 10.23 min Scan# 1581  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Tgt Ion:131 Resp: 151454  
Ion Ratio Lower Upper  
131 100  
133 95.4 48.5 145.6  
119 62.2 31.9 95.5





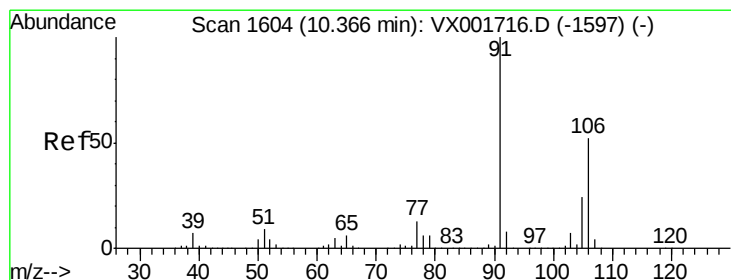
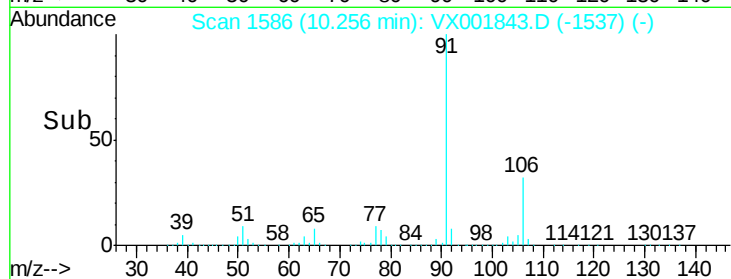
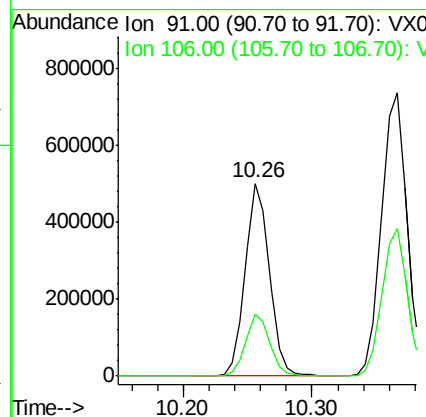
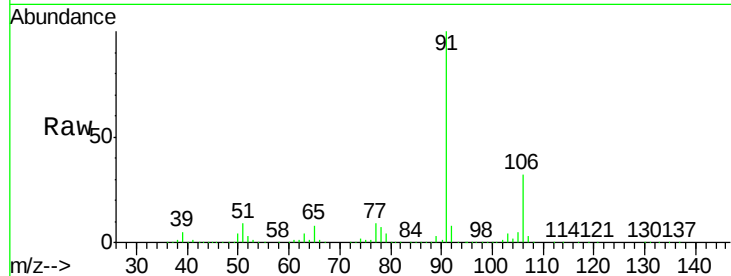
#67  
Ethyl Benzene  
Concen: 52.29 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 655038  
Ion Ratio Lower Upper  
91 100  
106 32.0 25.7 38.5

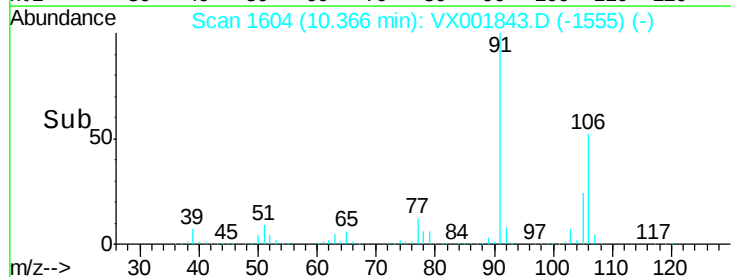
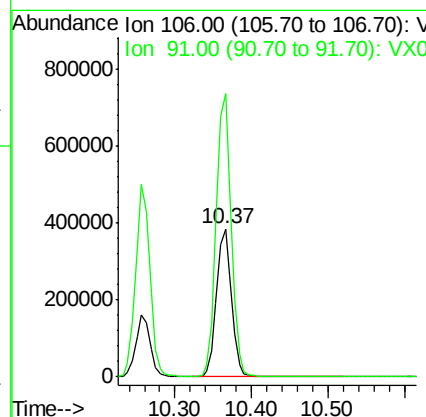
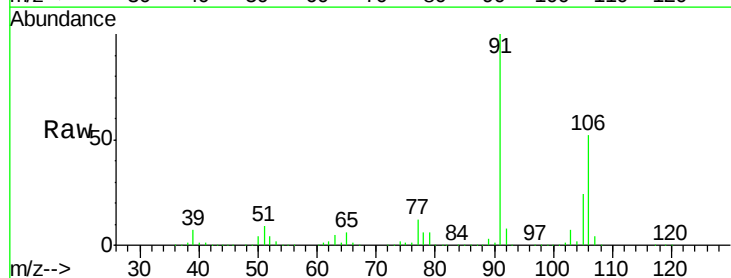
Manual Integrations  
APPROVED

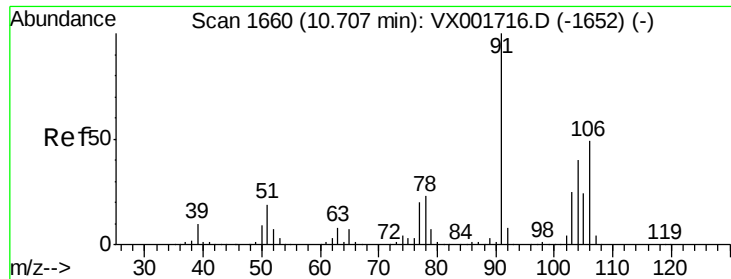
MMDadoda  
5/21/2018 2:40:38 PM



#68  
m/p-Xylenes  
Concen: 106.10 ug/l  
RT: 10.37 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Tgt Ion: 106 Resp: 524441  
Ion Ratio Lower Upper  
106 100  
91 193.0 155.4 233.2





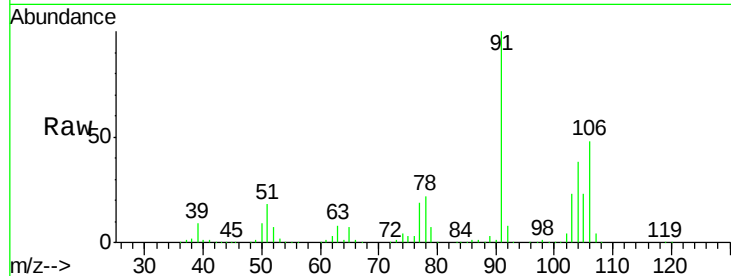
#69  
o-Xylene  
Concen: 53.70 ug/l  
RT: 10.71 min Scan# 1660  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

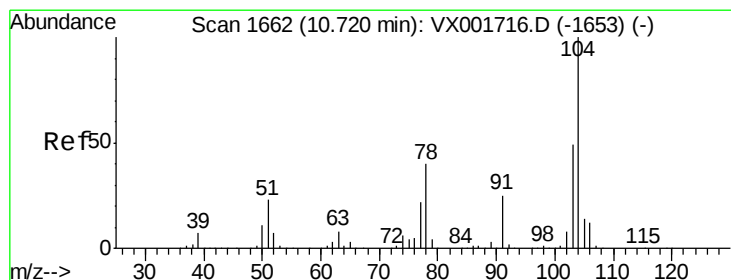
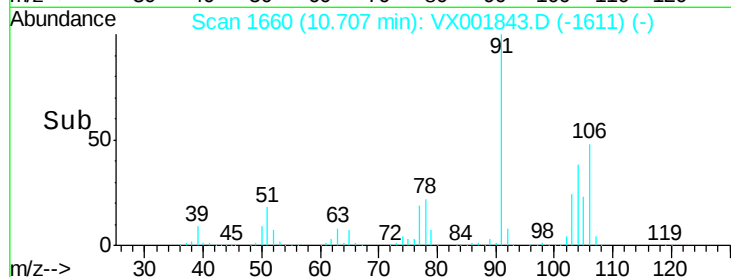
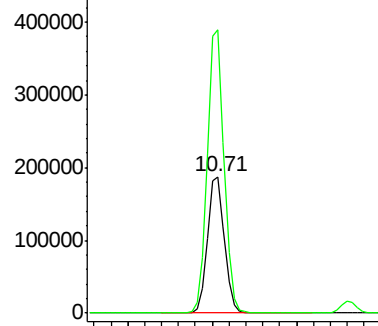
Tot Ion:106 Resp: 254206  
Ion Ratio Lower Upper  
106 100  
91 206.5 103.4 310.2

Manual Integrations  
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MMDadoda  
5/21/2018 2:40:38 PM

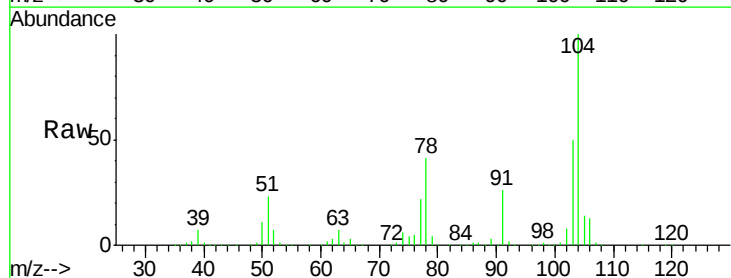


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

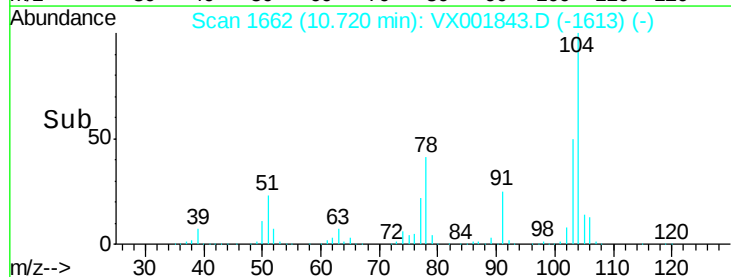
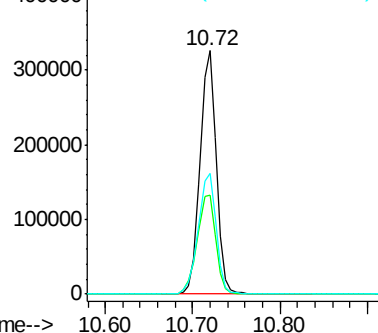


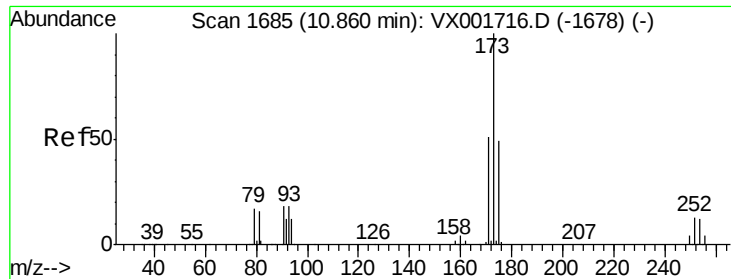
#70  
Styrene  
Concen: 53.75 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Tgt Ion:104 Resp: 419582  
Ion Ratio Lower Upper  
104 100  
78 46.7 37.3 55.9  
103 54.8 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.76 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

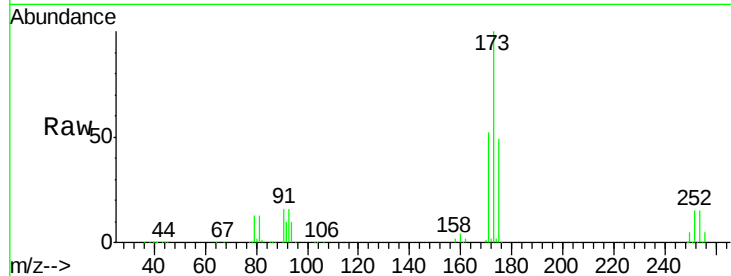
ClientSampleId :

VSTDCCC050EC

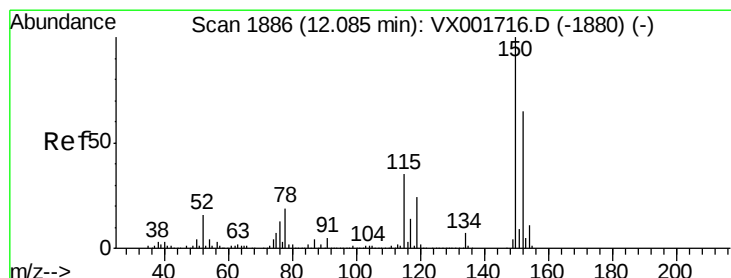
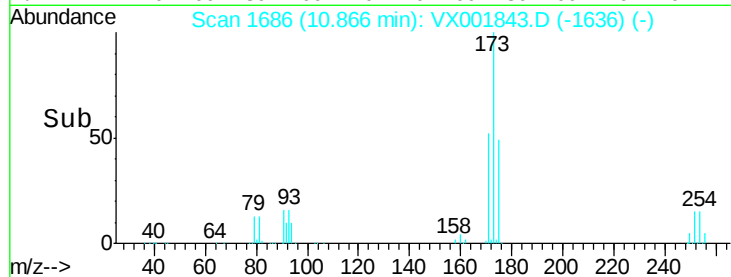
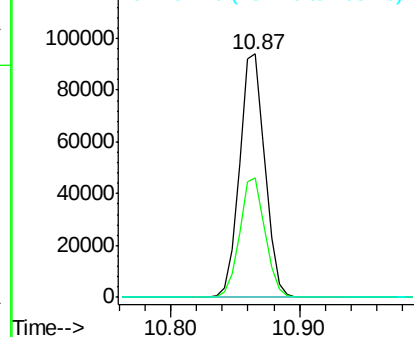
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 128177 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.9  | 24.3  | 72.8   |
| 254       | 0.2   | 0.2   | 0.2    |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

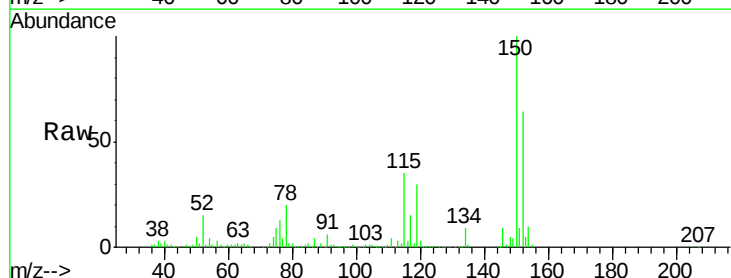
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

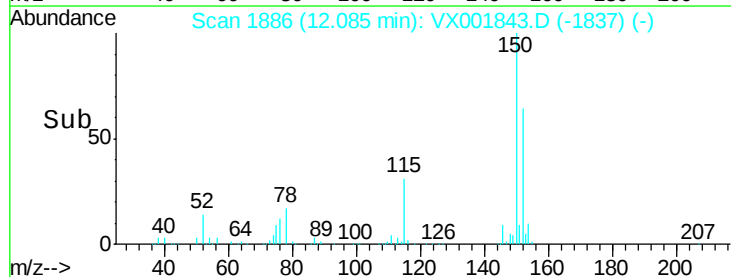
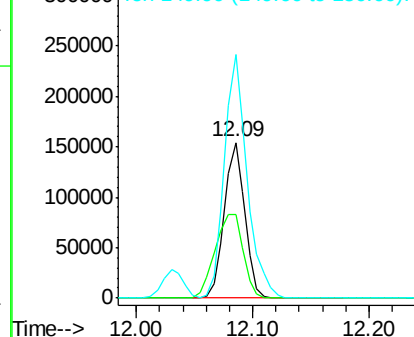
Lab File: VX001843.D

Acq: 18 May 2018 22:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 185721 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 74.9  | 37.4  | 112.2  |
| 150       | 174.5 | 0.0   | 344.8  |



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





#73

Isopropylbenzene

Concen: 55.59 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 679896

Ion Ratio Lower Upper

105 100

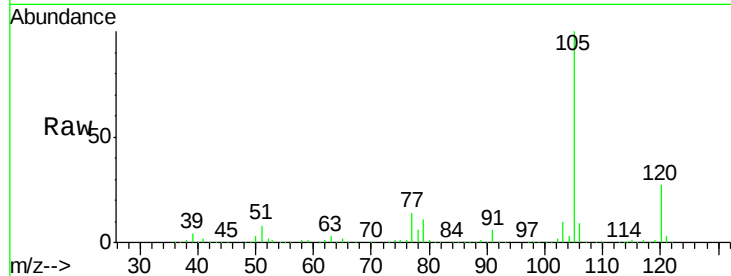
120 27.5 13.8 41.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

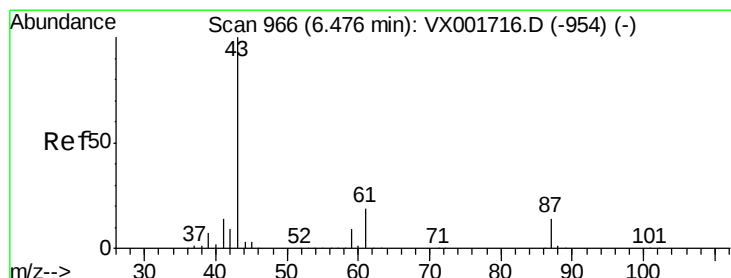
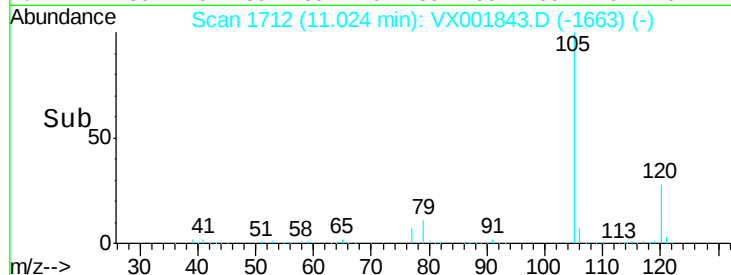
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 61.34 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Tgt Ion: 43 Resp: 359661

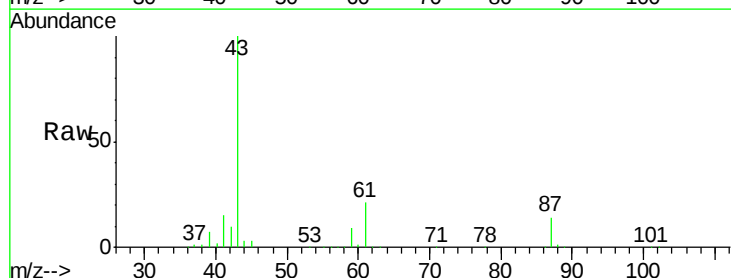
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 20.5 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

150000

100000

50000

0

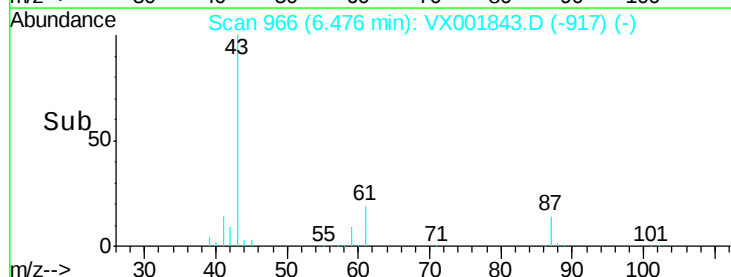
6.48

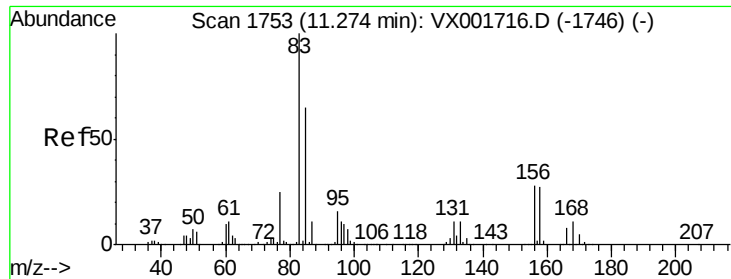
6.40

6.50

6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.33 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 199342

Ion Ratio Lower Upper

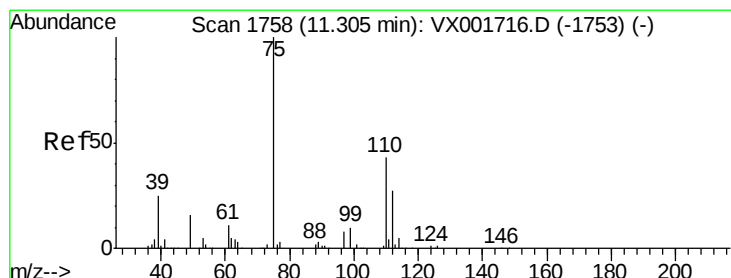
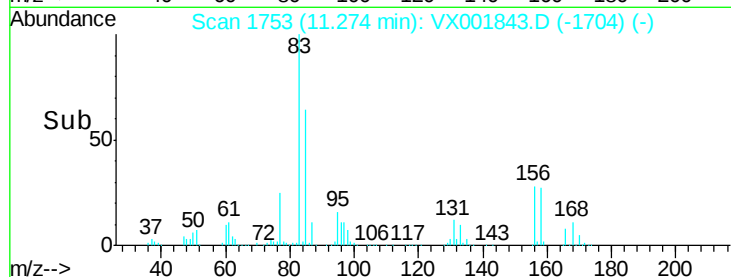
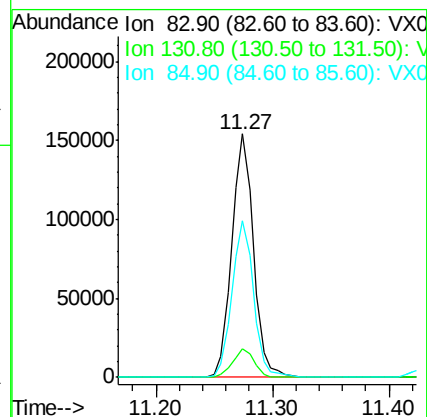
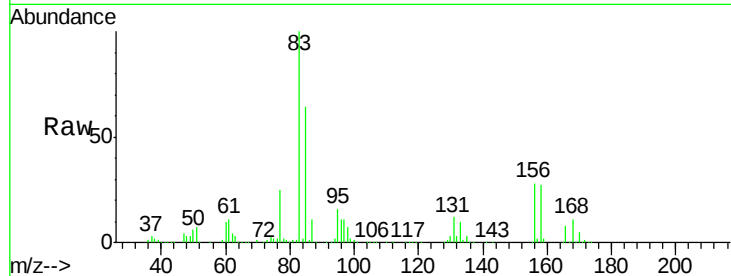
83 100

131 11.7 5.7 17.0

85 64.3 32.7 98.1

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 54.90 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001843.D

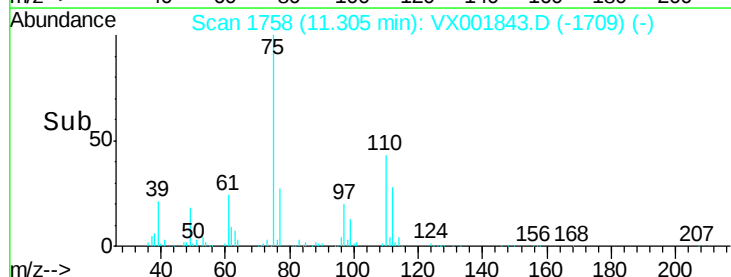
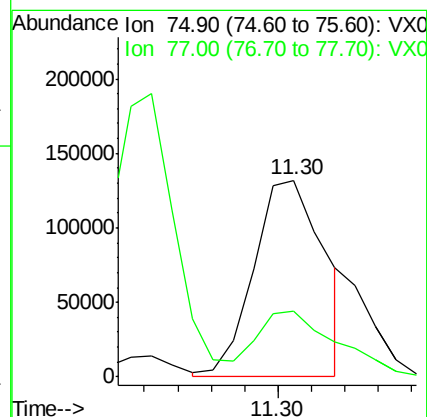
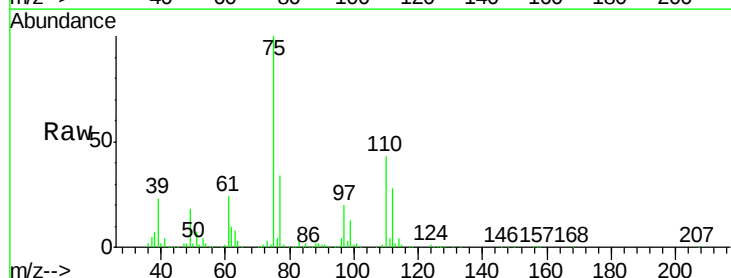
Acq: 18 May 2018 22:54

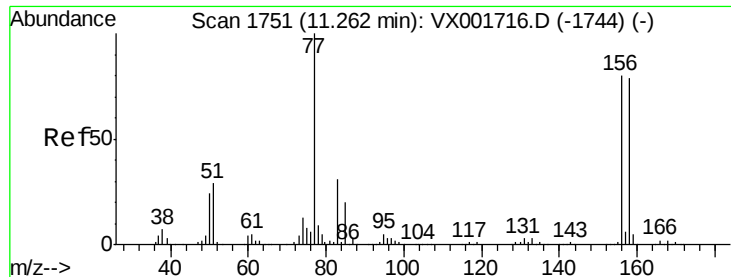
Tgt Ion: 75 Resp: 193888

Ion Ratio Lower Upper

75 100

77 37.8 18.9 56.7





#77

Bromobenzene

Concen: 53.61 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

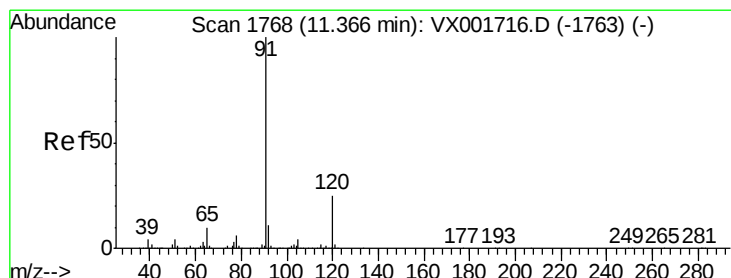
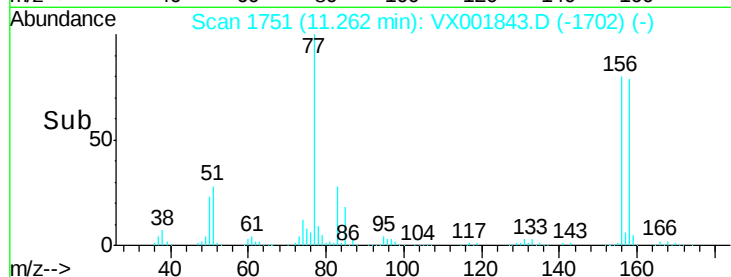
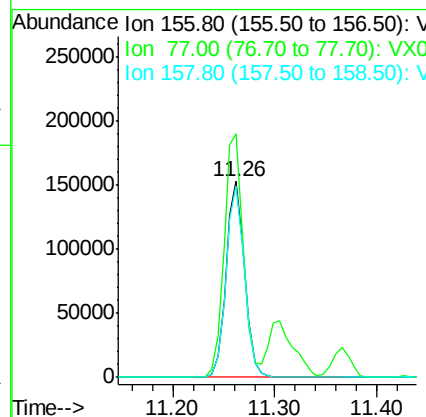
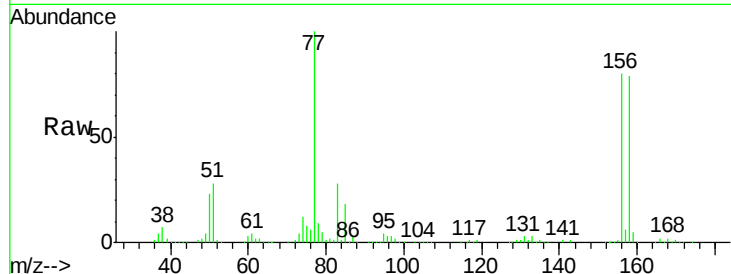
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 192670 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 130.7 | 65.3  | 196.0  |
| 158       | 97.9  | 49.1  | 147.3  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 54.12 ug/l

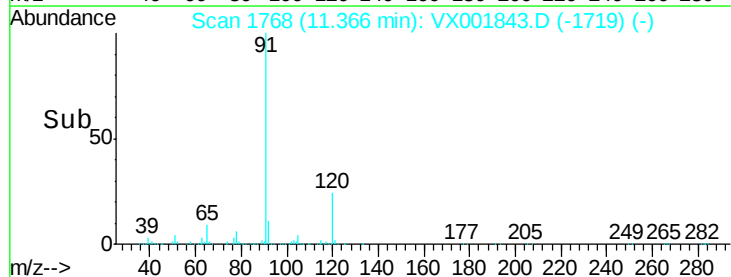
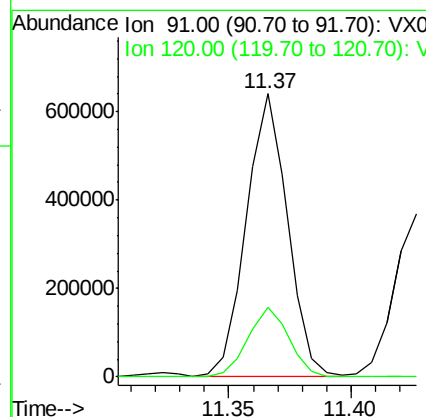
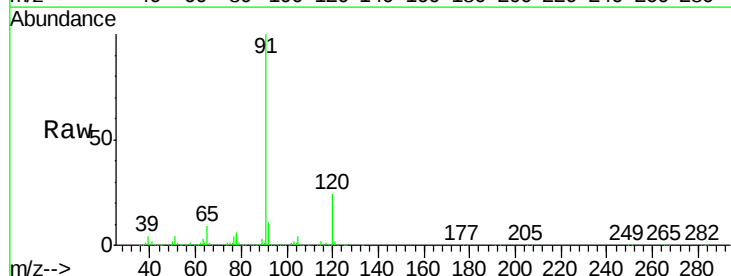
RT: 11.37 min Scan# 1768

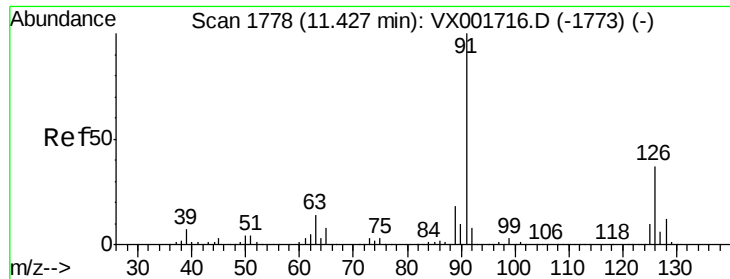
Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 745694 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.7  | 12.5  | 37.5   |





#79

2-Chlorotoluene

Concen: 54.44 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 448665

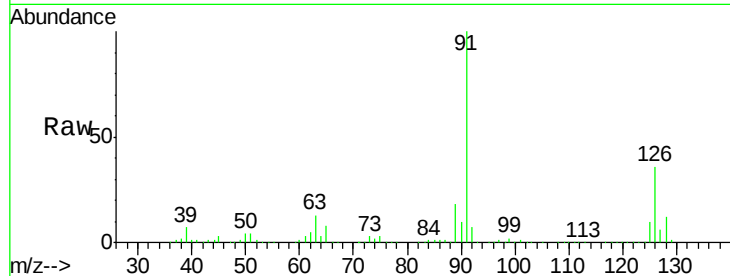
Ion Ratio Lower Upper

91 100

126 36.8 18.4 55.4

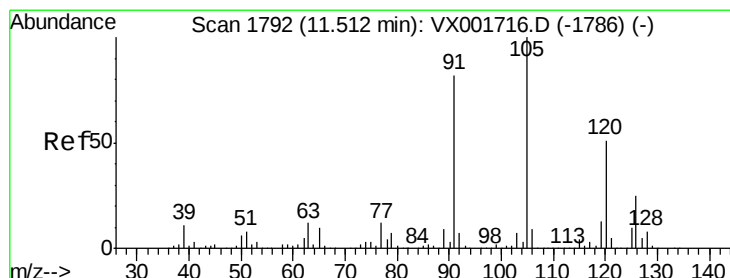
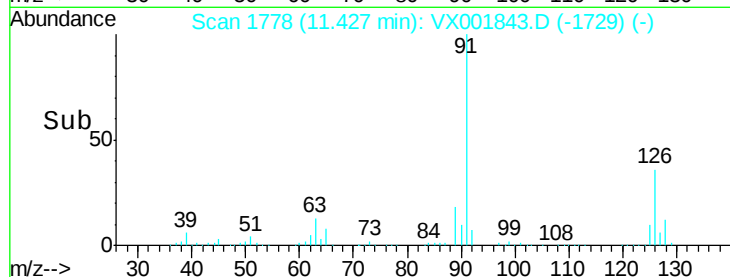
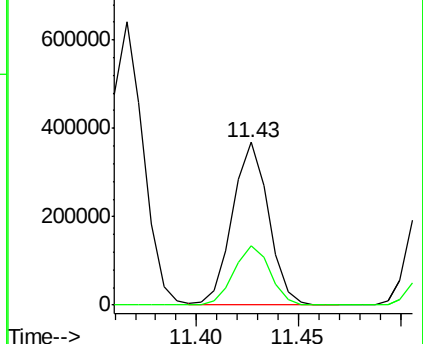
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Abundance Ion 91.00 (90.70 to 91.70): VX001716.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001716.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.90 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001843.D

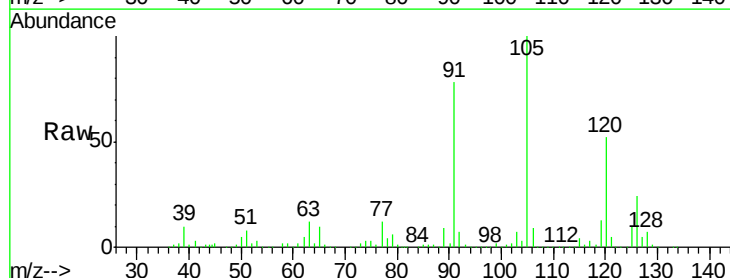
Acq: 18 May 2018 22:54

Tgt Ion: 105 Resp: 560873

Ion Ratio Lower Upper

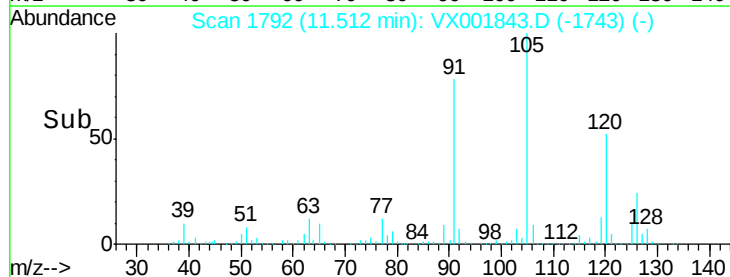
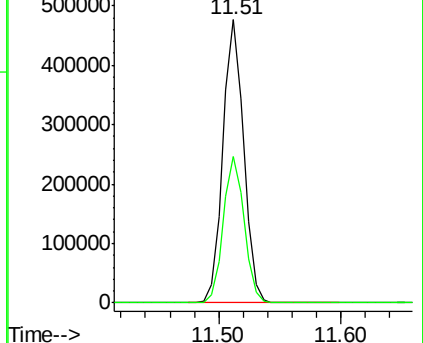
105 100

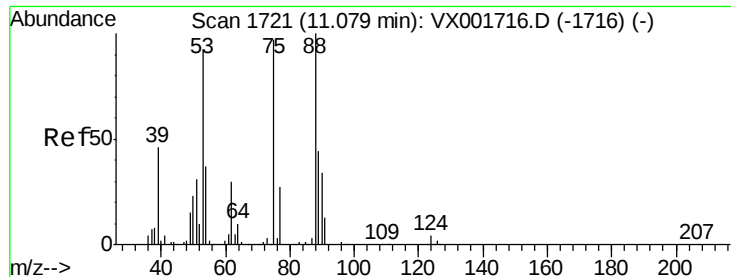
120 51.9 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): VX001716.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001716.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.01 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

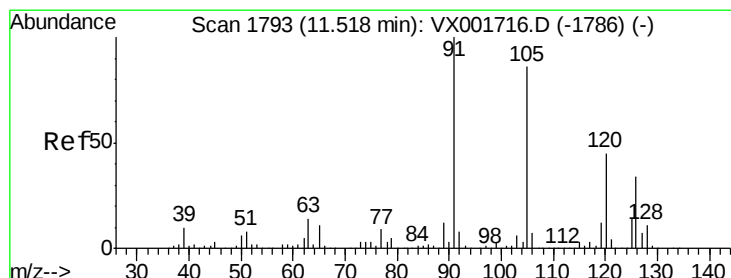
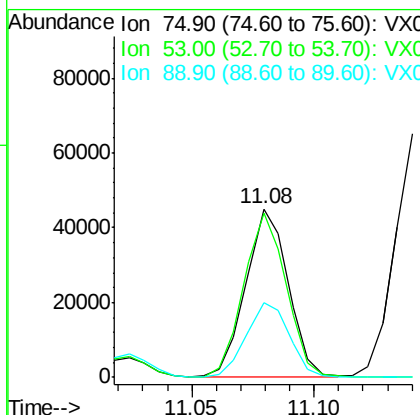
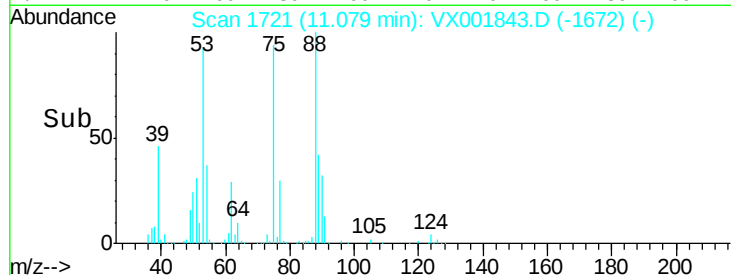
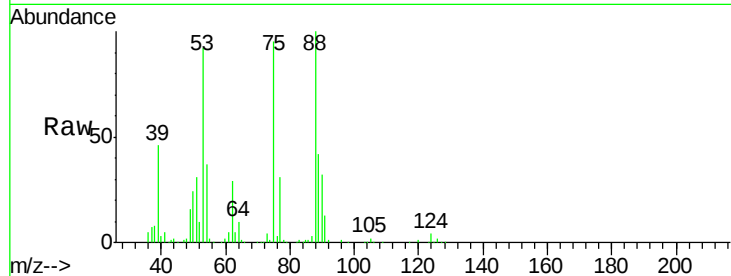
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 54191 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 98.7  | 79.4  | 119.2 |
| 89        | 45.8  | 38.8  | 58.2  |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 52.84 ug/l

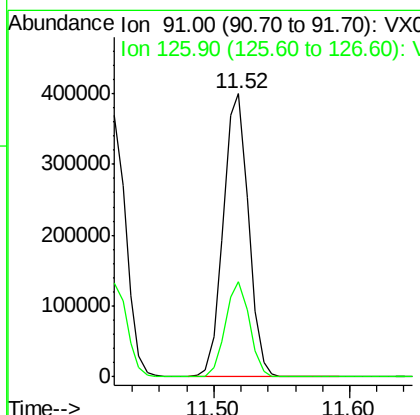
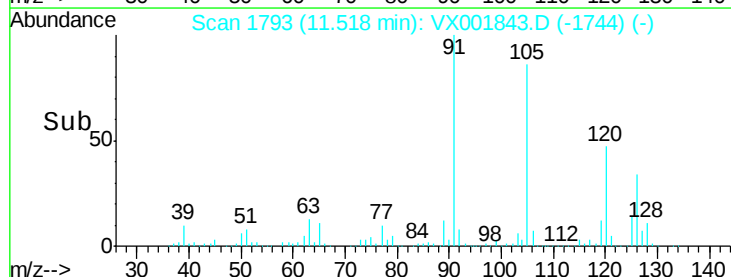
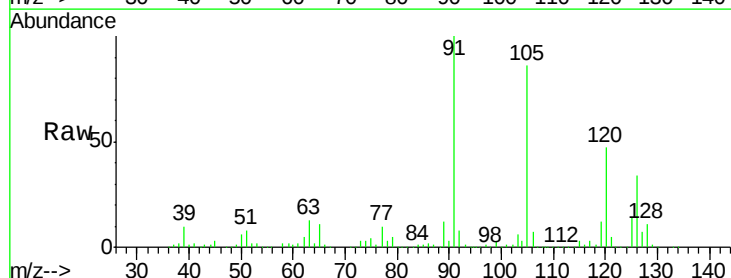
RT: 11.52 min Scan# 1793

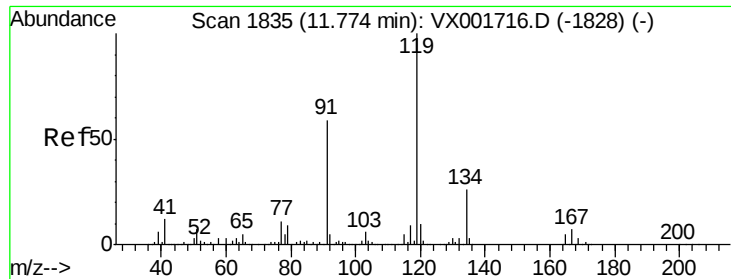
Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 513029 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 32.5  | 16.4  | 49.1   |





#83

tert-Butylbenzene

Concen: 56.21 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

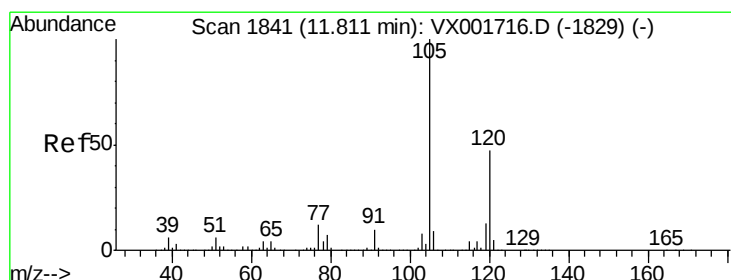
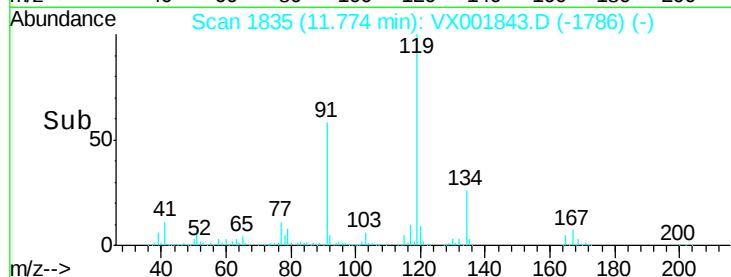
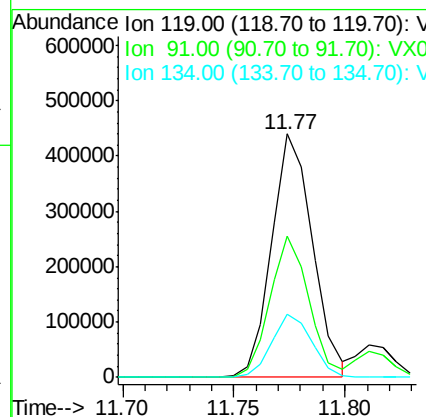
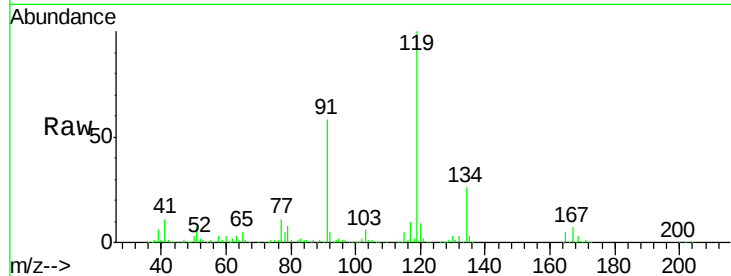
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 561229 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 55.3  | 27.7  | 83.0   |
| 134       | 25.4  | 12.7  | 38.1   |

Manual Integrations  
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5/21/2018 2:40:38 PM



#84

1,2,4-Trimethylbenzene

Concen: 56.04 ug/l

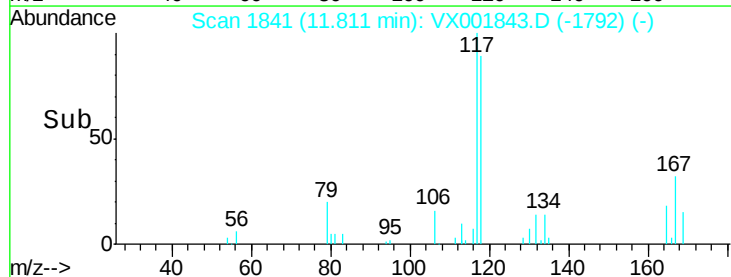
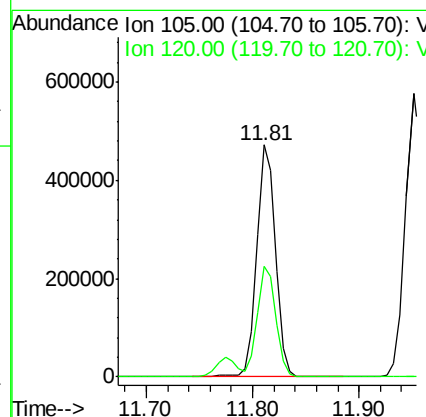
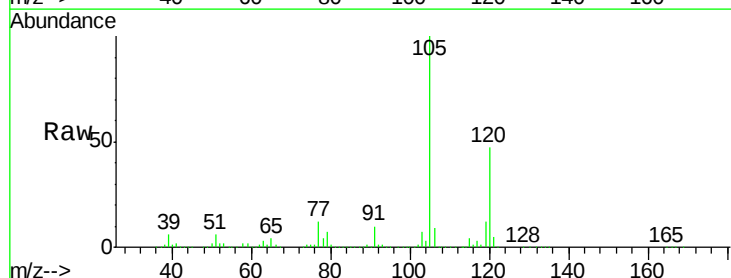
RT: 11.81 min Scan# 1841

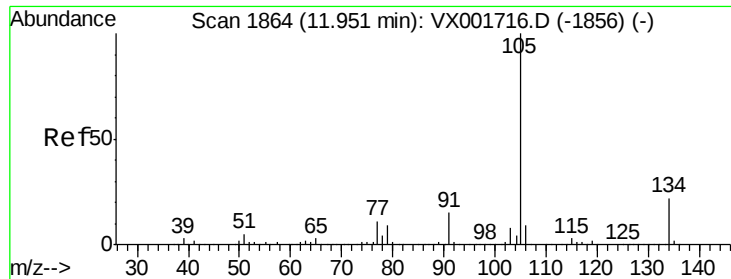
Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 582299 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 47.1  | 23.5  | 70.5   |





#85

sec-Butylbenzene

Concen: 55.37 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 682500

Ion Ratio Lower Upper

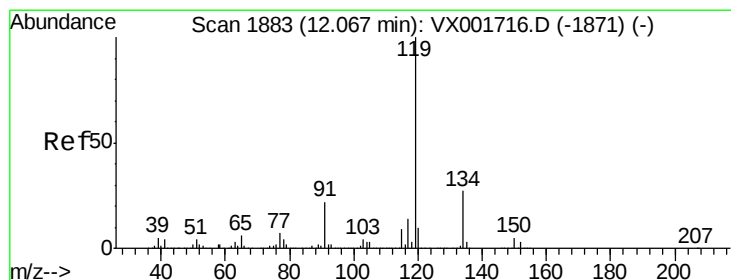
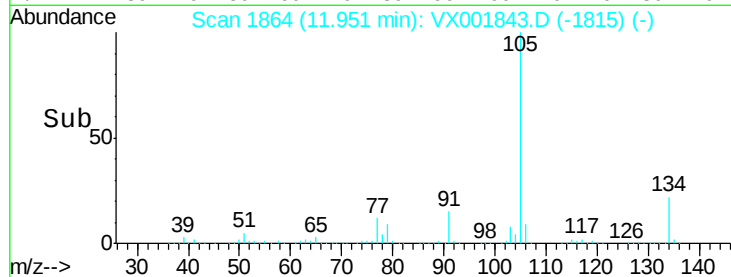
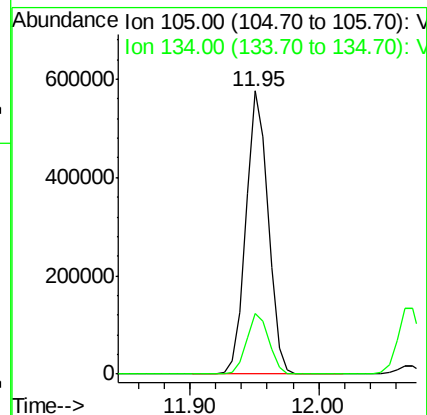
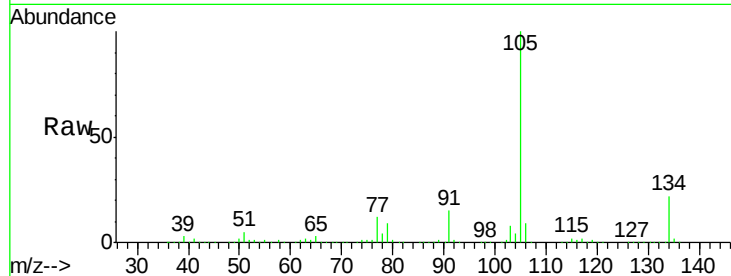
105 100

134 21.7 10.9 32.6

Manual Integrations  
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#86

p-Isopropyltoluene

Concen: 55.09 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

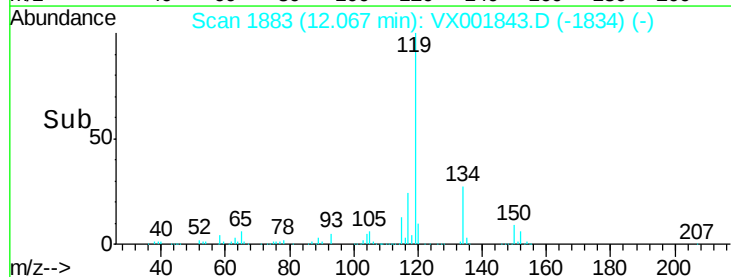
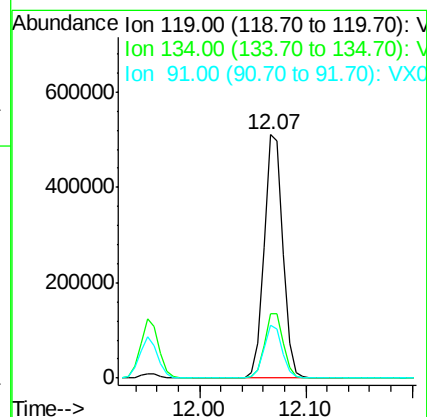
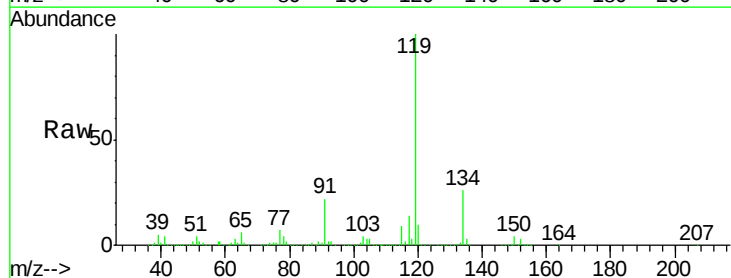
Tgt Ion:119 Resp: 628342

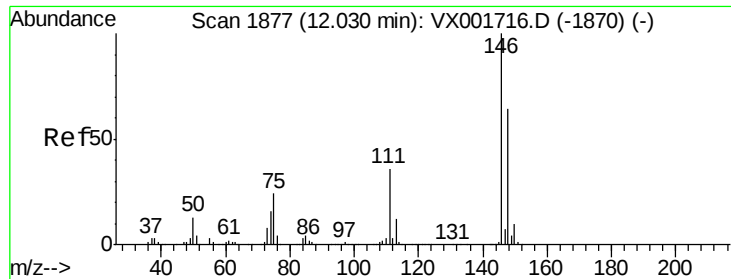
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 21.0 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 51.75 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

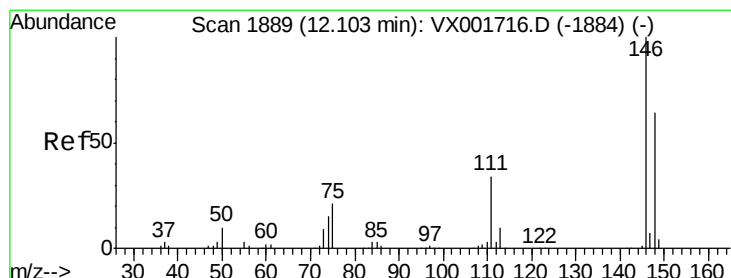
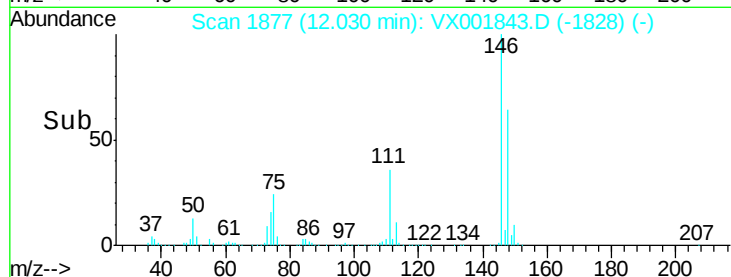
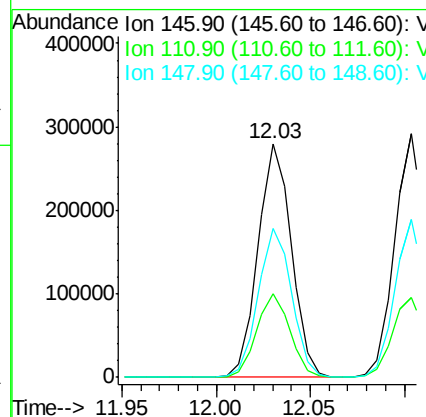
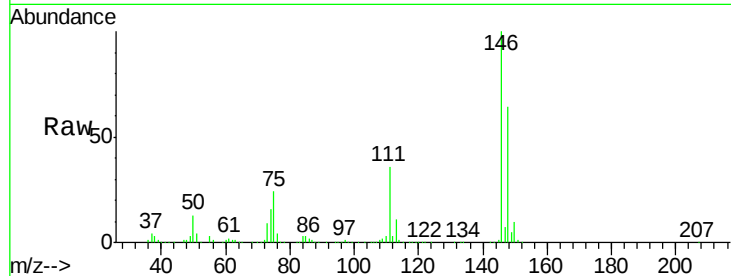
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 343966 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 35.6  | 17.8  | 53.4   |
| 148       | 63.9  | 32.1  | 96.3   |

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#88

1,4-Dichlorobenzene

Concen: 50.50 ug/l

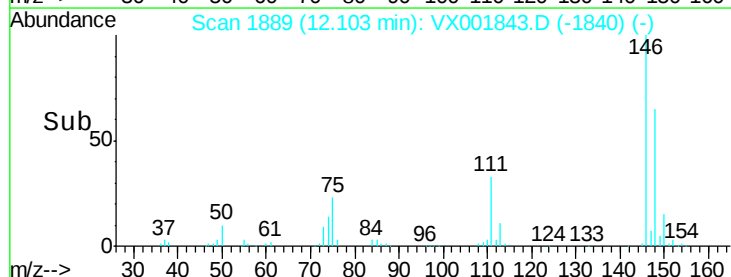
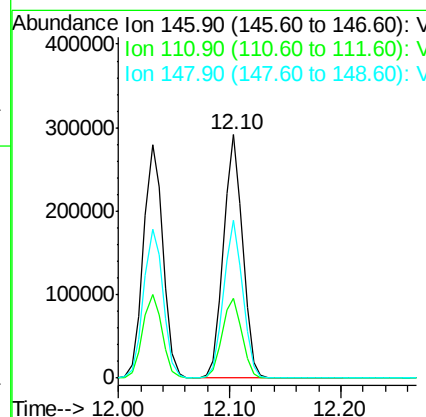
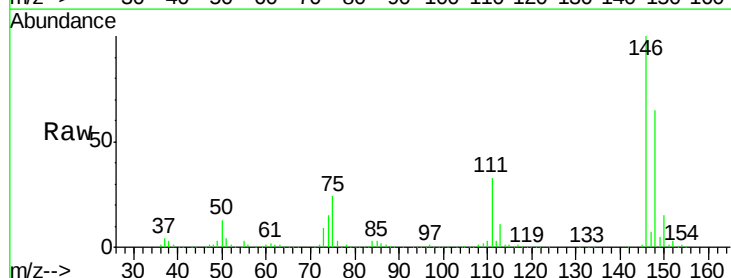
RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 347052 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 34.3  | 17.3  | 52.0   |
| 148       | 64.7  | 32.3  | 96.9   |





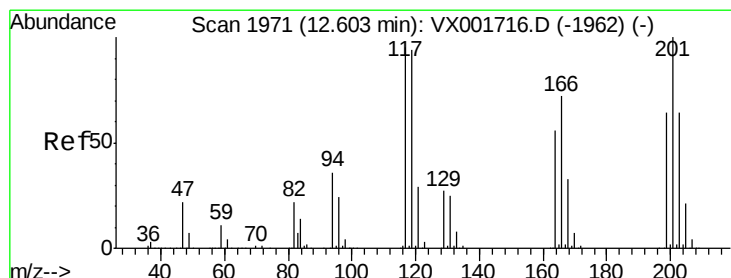
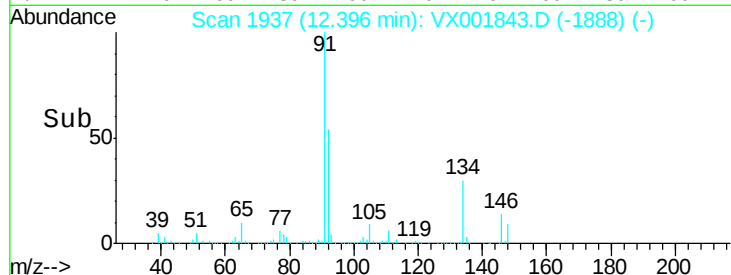
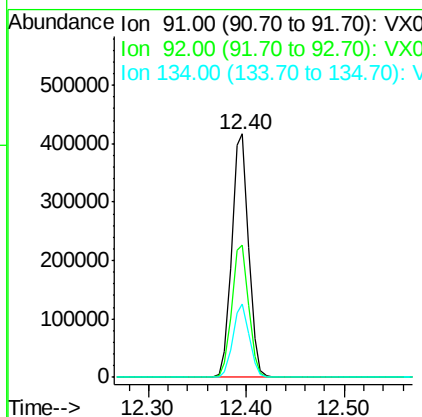
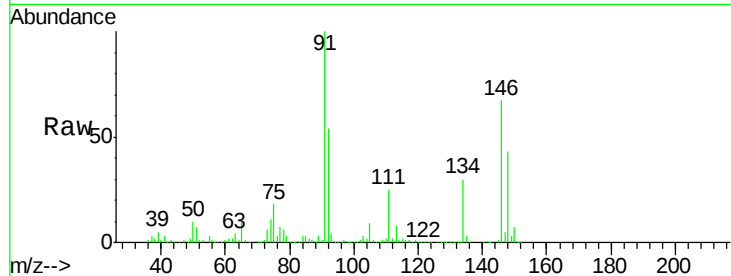
#89  
n-Butylbenzene  
Concen: 50.39 ug/l  
RT: 12.40 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.3  | 27.3  | 81.9  |
| 134     | 29.3  | 14.7  | 44.1  |

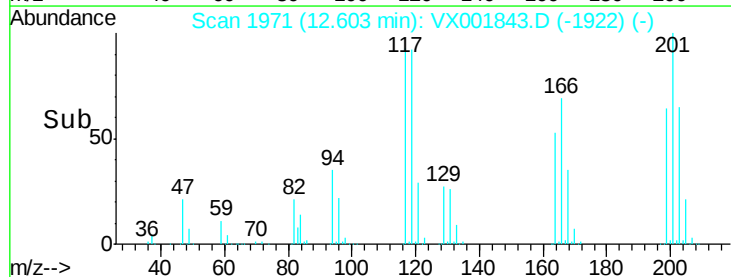
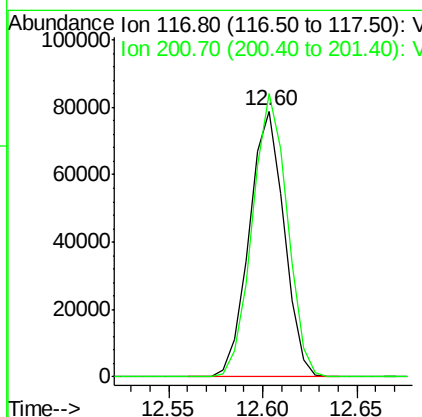
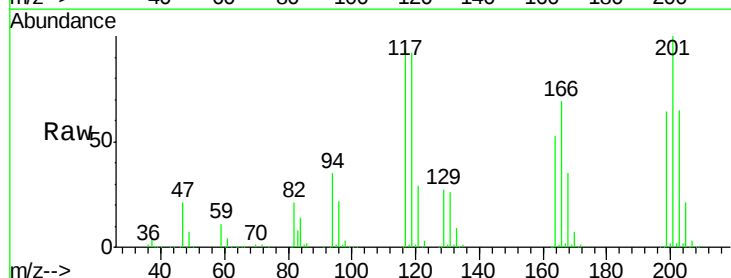
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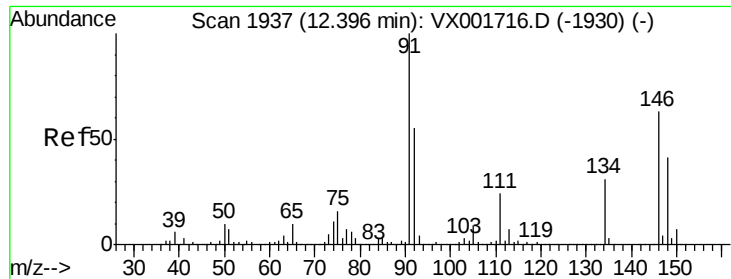
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#90  
Hexachloroethane  
Concen: 57.16 ug/l  
RT: 12.60 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: VX001843.D  
Acq: 18 May 2018 22:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 106.6 | 51.9  | 155.7 |





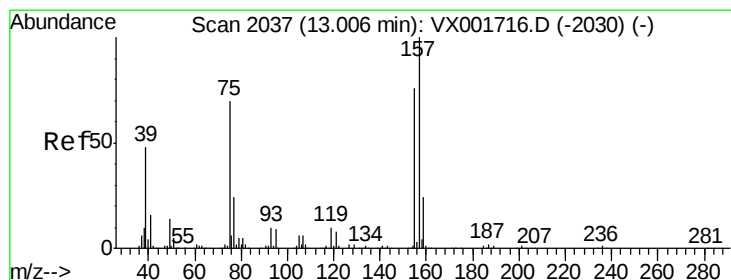
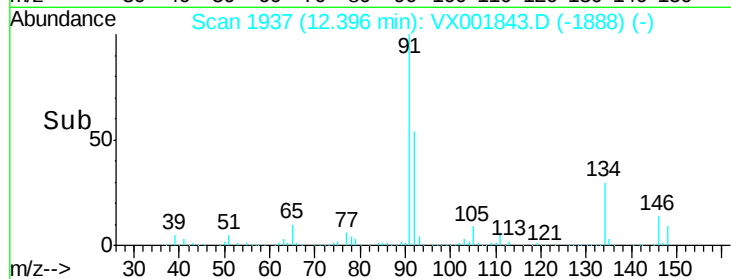
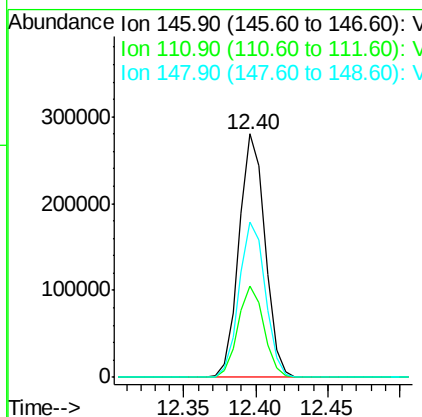
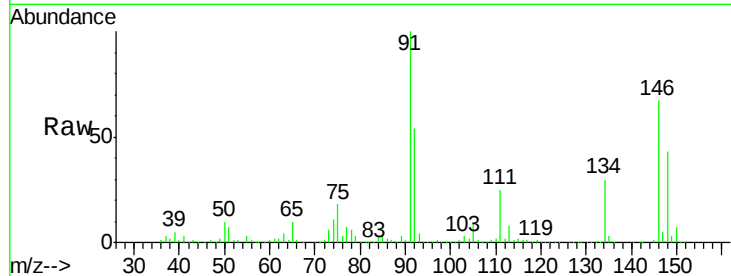
#91  
 1,2-Dichlorobenzene  
 Concen: 53.19 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 18.6  | 56.0  |
| 148     | 64.2  | 32.4  | 97.0  |

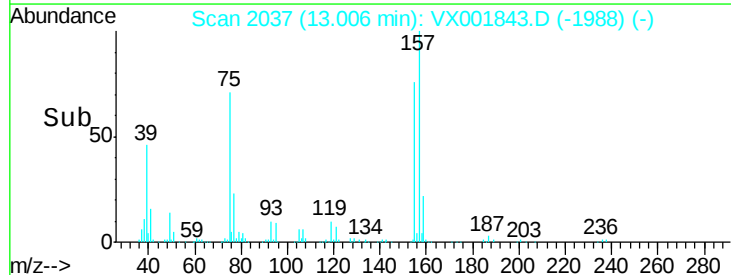
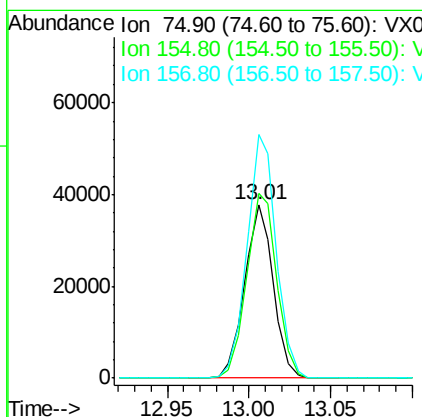
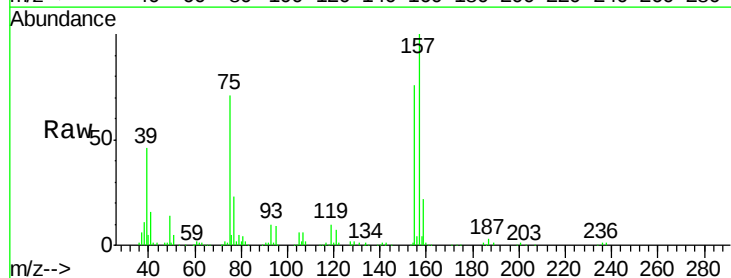
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 59.07 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 111.5 | 53.9  | 161.8 |
| 157     | 142.7 | 71.0  | 213.2 |





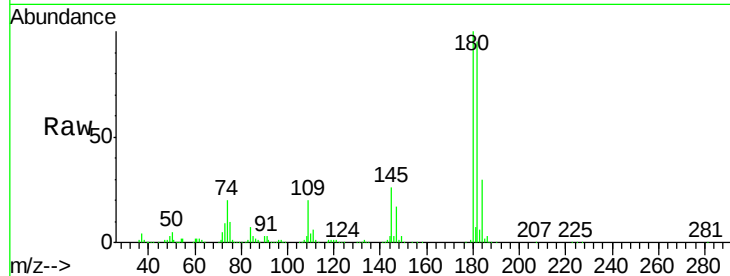
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.11 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

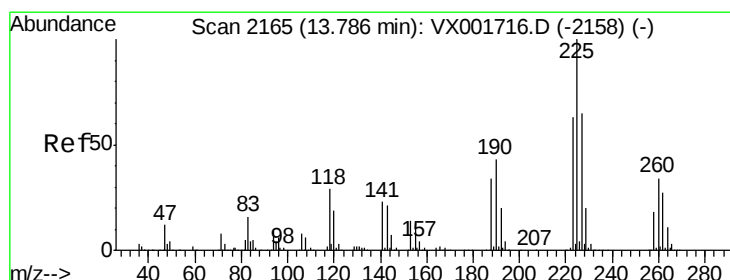
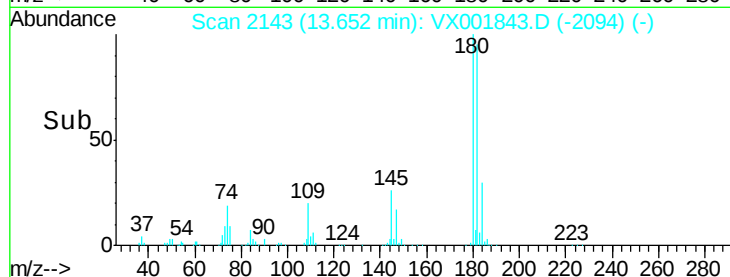
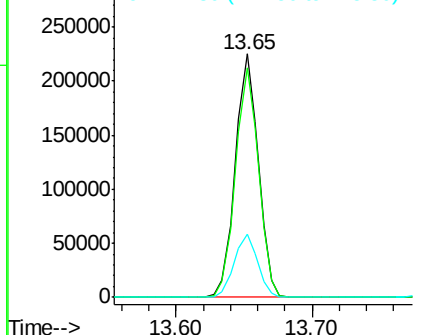
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 264513 |       |       |
| 182     | 95.2  | 47.6   | 142.9 |       |
| 145     | 26.5  | 13.4   | 40.1  |       |

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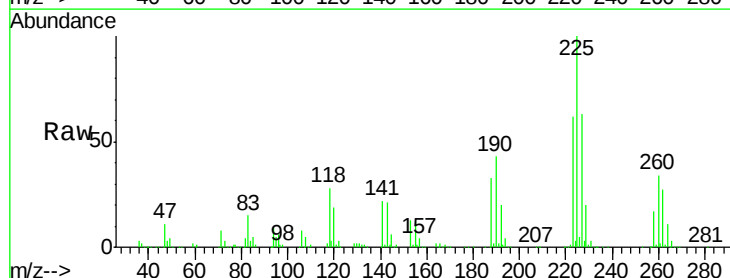


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

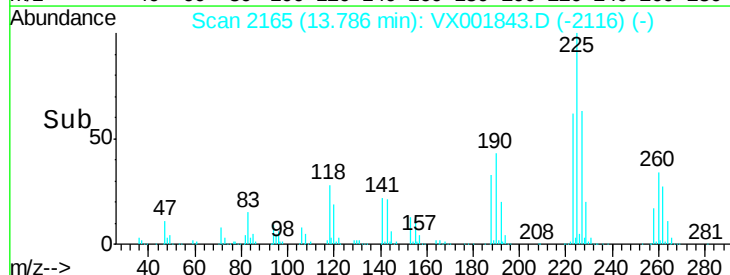
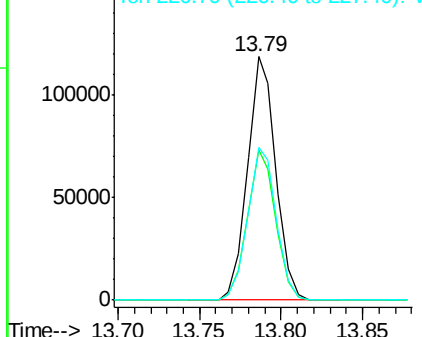


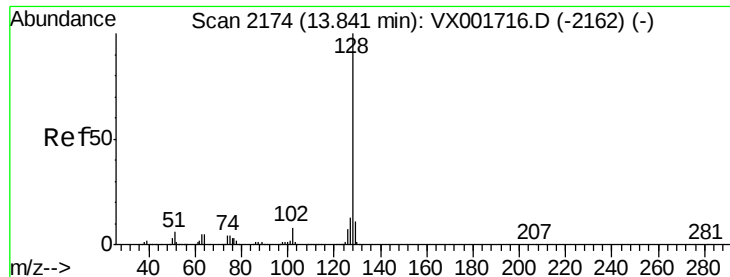
#94  
 Hexachlorobutadiene  
 Concen: 50.39 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: VX001843.D  
 Acq: 18 May 2018 22:54

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 142812 |       |       |
| 223     | 61.7  | 31.1   | 93.5  |       |
| 227     | 63.8  | 31.9   | 95.5  |       |



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





#95

Naphthalene

Concen: 55.67 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

Instrument :

MSVOA\_X

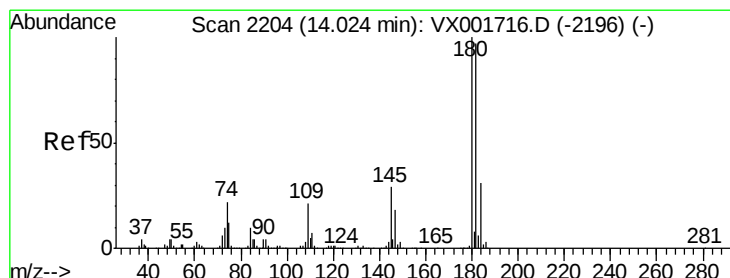
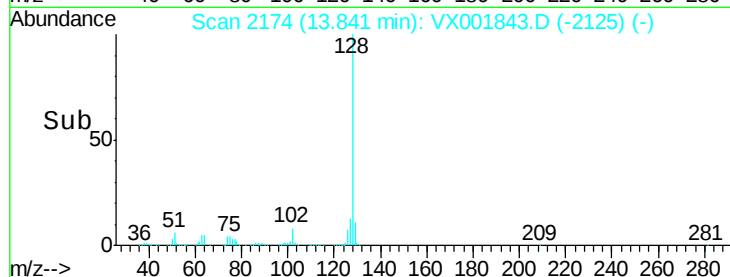
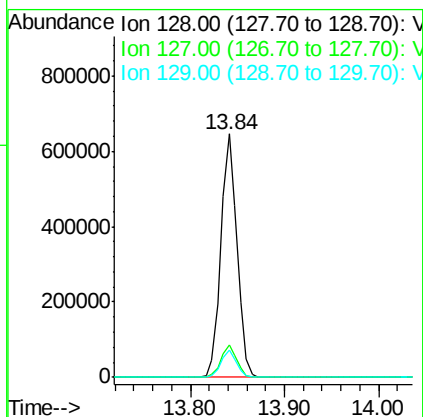
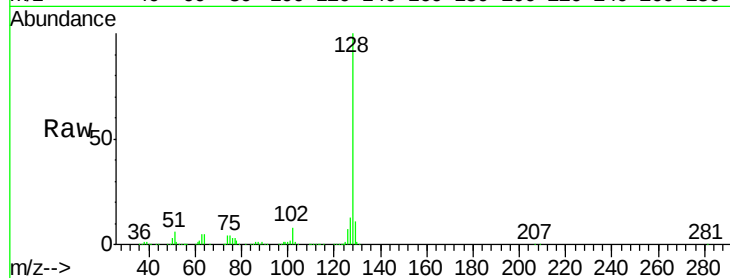
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 763811 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.2  | 15.4   |
| 129       | 10.9  | 8.9   | 13.3   |

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#96

1,2,3-Trichlorobenzene

Concen: 52.20 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001843.D

Acq: 18 May 2018 22:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 277459 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.1  | 47.9  | 143.7  |
| 145       | 27.7  | 14.2  | 42.8   |

