

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\  
 Data File : VX002015.D  
 Acq On : 26 May 2018 12:58  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 5/30/2018 1:50:05 PM

Quant Time: May 28 01:20:48 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 323096   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 439266   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 409977   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 290870   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 257925   | 44.66 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.32% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 200365   | 45.61 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.22% |      |
| 50) Toluene-d8            | 8.72   | 98  | 766114   | 48.17 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.34% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 308203   | 49.53 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.06% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 192026  | 47.38  | ug/l | 100    |
| 3) Chloromethane              | 1.32 | 50  | 226079  | 45.48  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.41 | 62  | 229079  | 47.73  | ug/l | 99     |
| 5) Bromomethane               | 1.64 | 94  | 101891  | 46.04  | ug/l | 99     |
| 6) Chloroethane               | 1.72 | 64  | 145985  | 51.59  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 371443  | 51.53  | ug/l | 99     |
| 8) Diethyl Ether              | 2.19 | 74  | 133091  | 50.89  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 216113  | 53.73  | ug/l | 98     |
| 10) Methyl Iodide             | 2.51 | 142 | 233728  | 42.94  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 274862  | 242.46 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 187416  | 49.77  | ug/l | 97     |
| 13) Acrolein                  | 2.30 | 56  | 86266   | 176.00 | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 402807  | 50.96  | ug/l | 99     |
| 15) Acrylonitrile             | 3.15 | 53  | 566964  | 243.20 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 551353  | 247.37 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 515858  | 47.60  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 286347  | 53.41  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 717382  | 50.65  | ug/l | 100    |
| 20) Methylene Chloride        | 2.85 | 84  | 206871  | 53.73  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 198758  | 54.35  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.88 | 45  | 757054  | 47.08  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.83 | 43  | 3315626 | 248.70 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 390805  | 51.16  | ug/l | 100    |
| 25) 2-Butanone                | 4.71 | 43  | 875749  | 214.37 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 353431  | 45.72  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 220824  | 44.97  | ug/l | 98     |
| 28) Bromochloromethane        | 5.03 | 49  | 169457  | 52.92  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.17 | 42  | 566410  | 213.11 | ug/l | 99     |
| 30) Chloroform                | 5.22 | 83  | 388615  | 45.16  | ug/l | 99     |
| 31) Cyclohexane               | 5.58 | 56  | 365003  | 45.87  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 361948  | 45.12  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 291650  | 47.73  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.87 | 43  | 344487  | 43.25  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 327149  | 45.92  | ug/l | 98     |

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 Data File : VX002015.D  
 Acq On : 26 May 2018 12:58  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 5/30/2018 1:50:05 PM

Quant Time: May 28 01:20:48 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 373821   | 49.80  | ug/l   | 99       |
| 40) Benzene                    | 6.15  | 78   | 856305   | 47.84  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.07  | 41   | 198735   | 47.20  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 330467   | 46.22  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.47  | 43   | 610710   | 46.01  | ug/l   | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 249617   | 47.85  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 234592   | 48.26  | ug/l   | 98       |
| 46) Dibromomethane             | 7.67  | 93   | 152460   | 47.37  | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 310672   | 45.27  | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.78  | 41   | 308338   | 45.64  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 107160   | 900.21 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43   | 1855684  | 231.93 | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 550867   | 48.36  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 374961   | 47.44  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 364463   | 47.32  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 222027   | 46.65  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.19  | 69   | 374976   | 45.81  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 372076   | 47.46  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 873184   | 240.67 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 1431201  | 231.99 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 261094   | 46.32  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 237557   | 47.57  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 287324   | 48.88  | ug/l   | 100      |
| 65) Chlorobenzene              | 10.14 | 112  | 624646   | 48.09  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 242828   | 46.30  | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.26 | 91   | 1106384  | 49.02  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.37 | 106  | 852565   | 98.83  | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 417337   | 48.45  | ug/l   | 100      |
| 70) Styrene                    | 10.72 | 104  | 697874   | 48.85  | ug/l   | 100      |
| 71) Bromoform                  | 10.86 | 173  | 222049   | 44.65  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 1139602  | 46.27  | ug/l   | 99       |
| 74) N-amyl acetate             | 6.47  | 43   | 610710   | 47.65  | ug/l # | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 320718   | 47.55  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 351985m  | 50.38  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 298630   | 45.70  | ug/l   | 99       |
| 78) n-propylbenzene            | 11.37 | 91   | 1312746  | 47.59  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 772508   | 51.10  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 984701   | 46.78  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 118502   | 40.77  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 11.52 | 91   | 918796   | 47.22  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 944632   | 45.73  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 1005495  | 46.22  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.95 | 105  | 1189538  | 47.91  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 1077992  | 48.52  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 553158   | 47.26  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 557783   | 47.67  | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.40 | 91   | 959681   | 50.97  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 195582   | 44.63  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 557128   | 46.72  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 89371    | 40.81  | ug/l   | 99       |

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\  
Data File : VX002015.D  
Acq On : 26 May 2018 12:58  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

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5/30/2018 1:50:05 PM

Quant Time: May 28 01:20:48 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 24 13:09:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 422359   | 49.53 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 229362   | 50.00 | ug/l  | 100      |
| 95) Naphthalene            | 13.84 | 128  | 1194999  | 45.49 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 424129   | 48.07 | ug/l  | 100      |

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

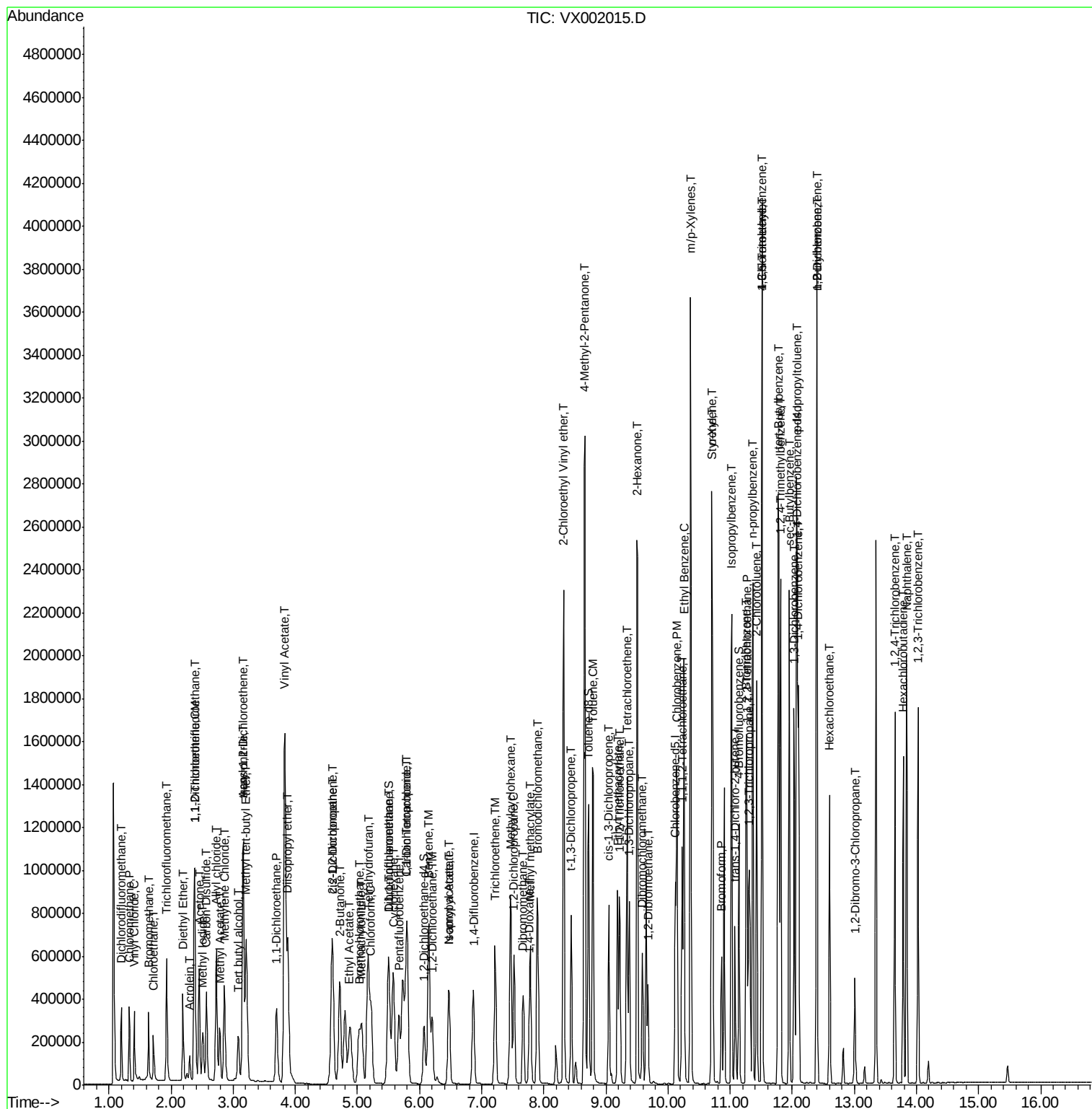
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\  
 Data File : VX002015.D  
 Acq On : 26 May 2018 12:58  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

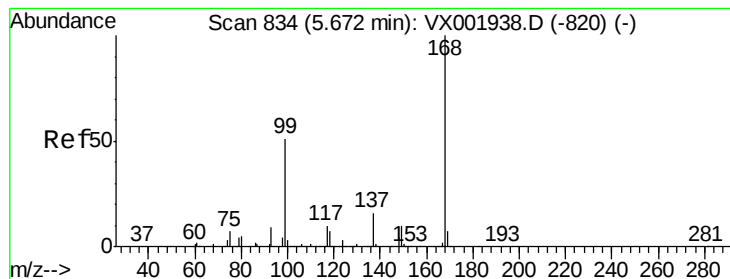
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 5/30/2018 1:50:05 PM

Quant Time: May 28 01:20:48 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration





#1

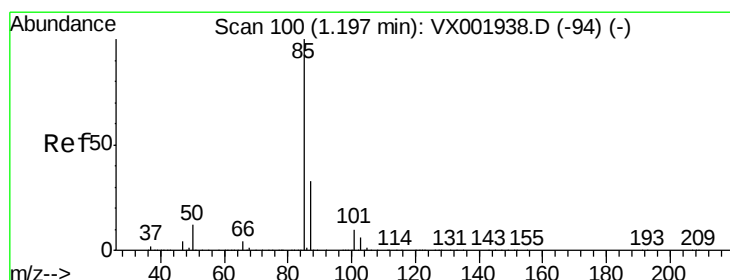
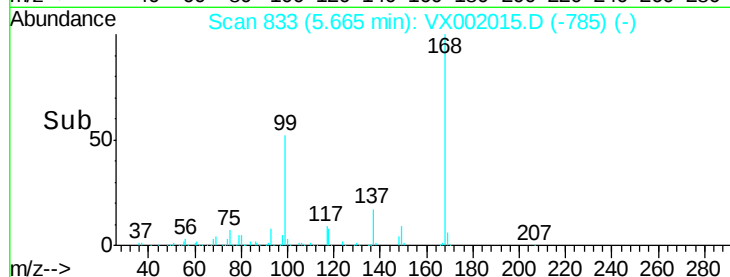
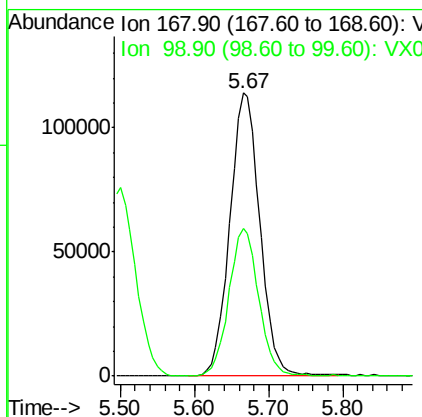
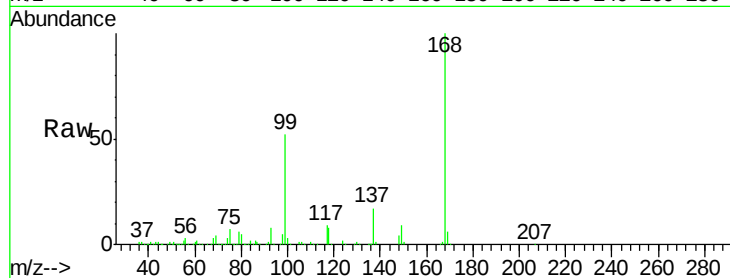
Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.67 min Scan# 833  
 Delta R.T. -0.01 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 323096 |       |       |
| 99      | 52.1  |        | 41.0  | 61.4  |

Manual Integrations  
 APPROVED

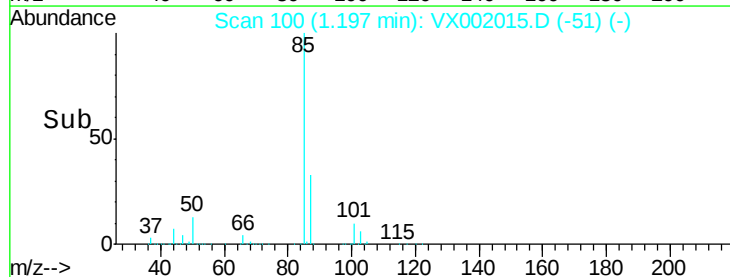
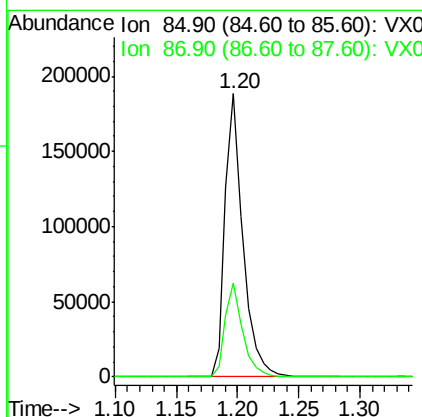
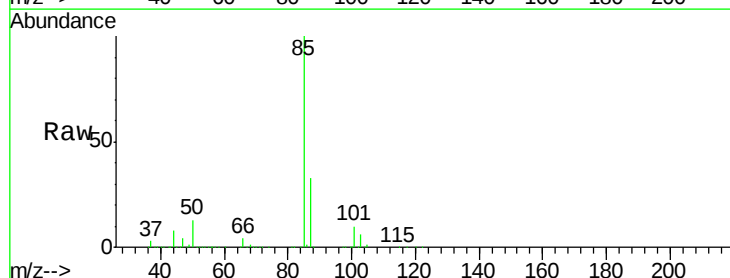
MMDadoda  
 5/30/2018 1:50:05 PM



#2

Dichlorodifluoromethane  
 Concen: 47.38 ug/l  
 RT: 1.20 min Scan# 100  
 Delta R.T. 0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 85      | 100   | 192026 |       |       |
| 87      | 33.1  |        | 16.7  | 50.0  |





#3

Chloromethane

Concen: 45.48 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 226079

Ion Ratio Lower Upper

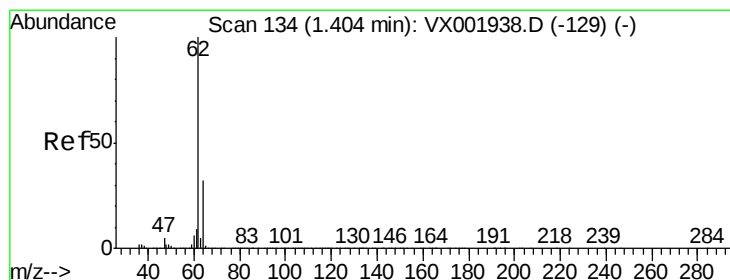
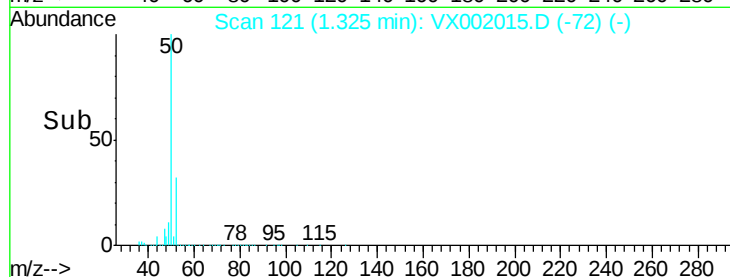
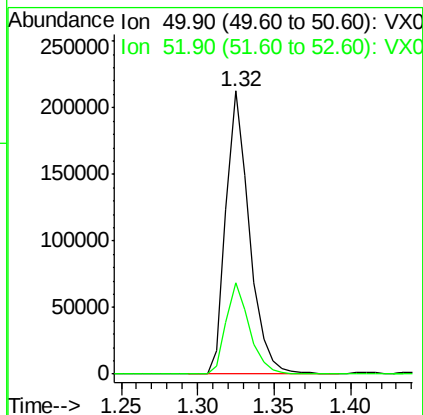
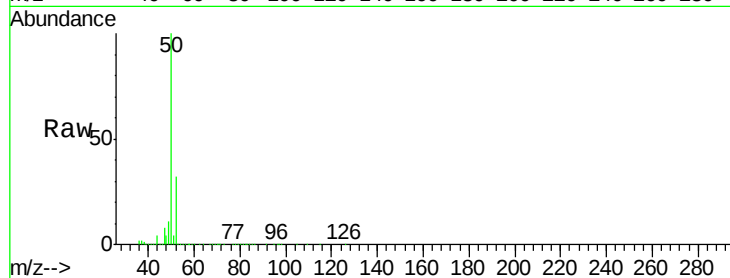
50 100

52 32.4 26.0 39.0

Manual Integrations  
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5/30/2018 1:50:05 PM



#4

Vinyl Chloride

Concen: 47.73 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002015.D

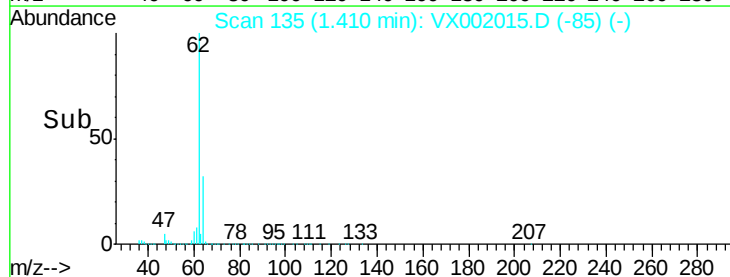
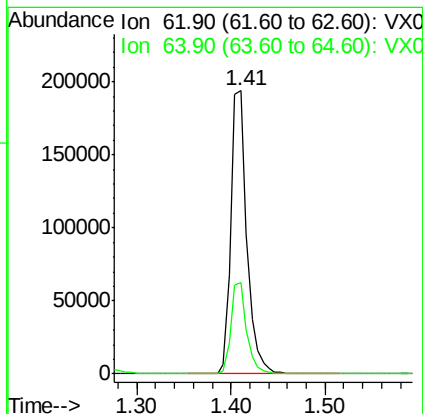
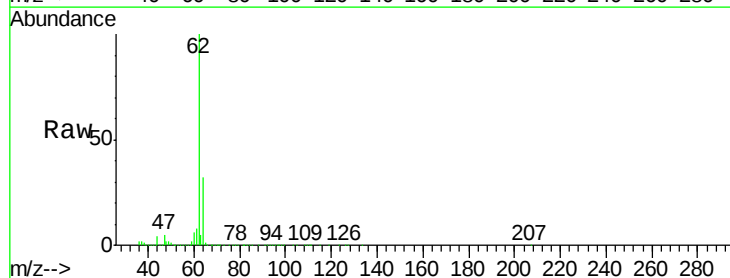
Acq: 26 May 2018 12:58

Tgt Ion: 62 Resp: 229079

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 46.04 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 101891

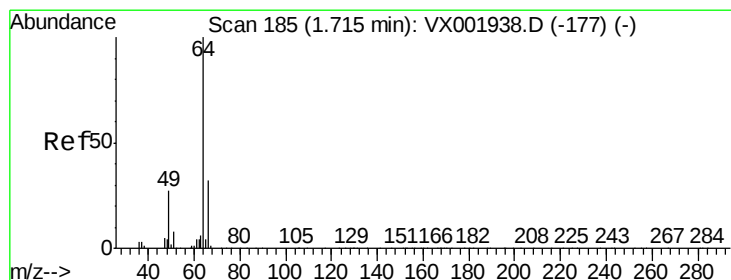
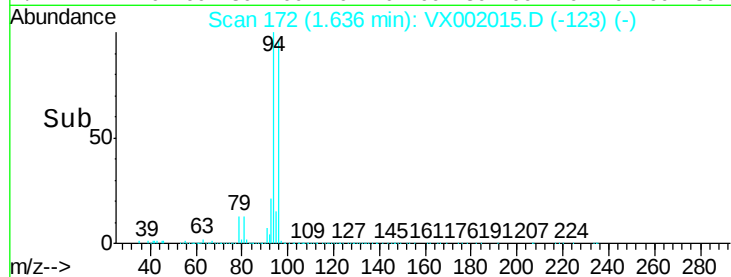
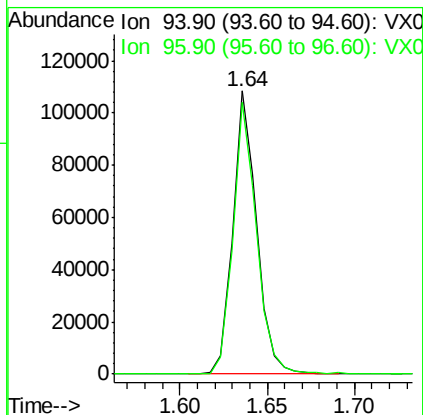
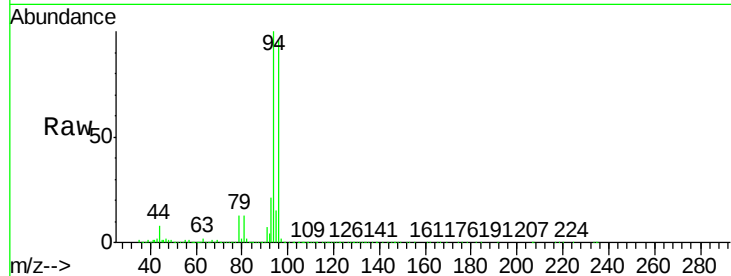
Ion Ratio Lower Upper

94 100

96 96.1 75.9 113.9

Manual Integrations  
APPROVED

MMDadoda  
5/30/2018 1:50:05 PM



#6

Chloroethane

Concen: 51.59 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002015.D

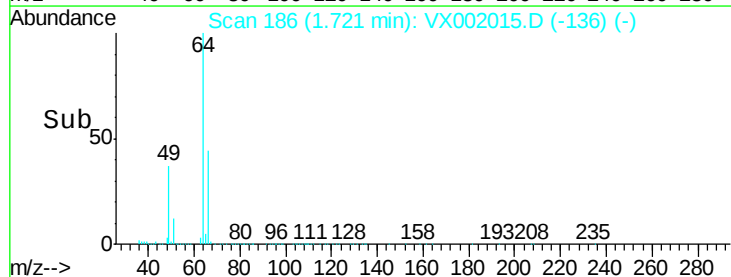
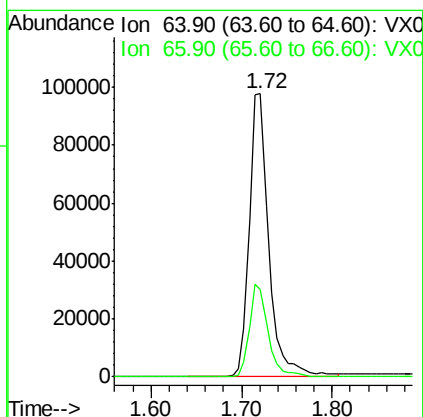
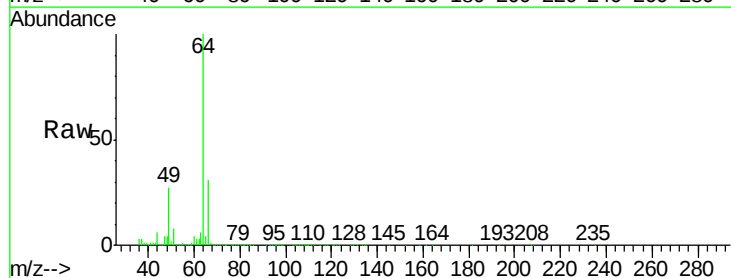
Acq: 26 May 2018 12:58

Tgt Ion: 64 Resp: 145985

Ion Ratio Lower Upper

64 100

66 30.6 25.6 38.4





#7

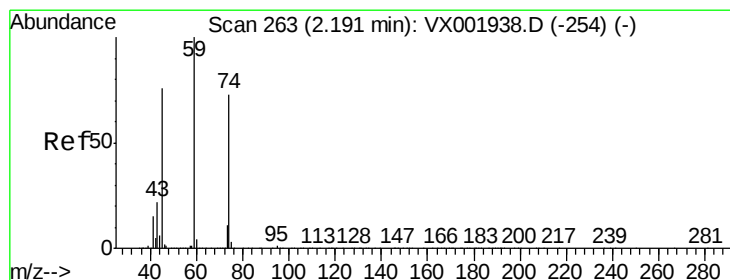
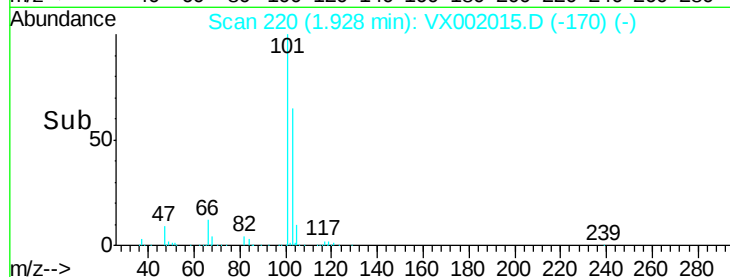
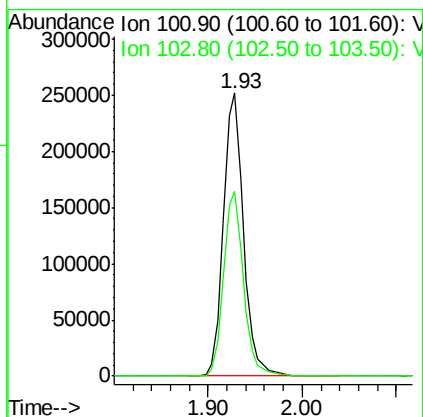
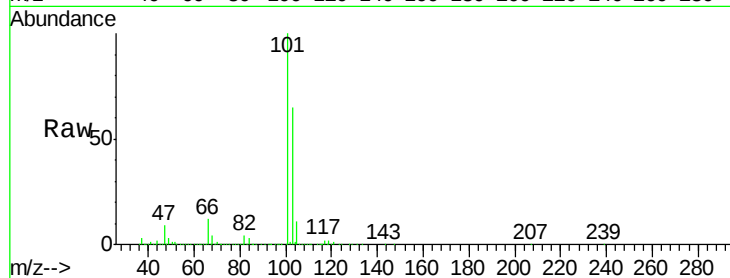
Trichlorofluoromethane  
 Concen: 51.53 ug/l  
 RT: 1.93 min Scan# 220  
 Delta R.T. 0.01 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 371443 |       |       |
| 103     | 65.1 | 51.4  | 77.0   |       |       |

Manual Integrations  
 APPROVED

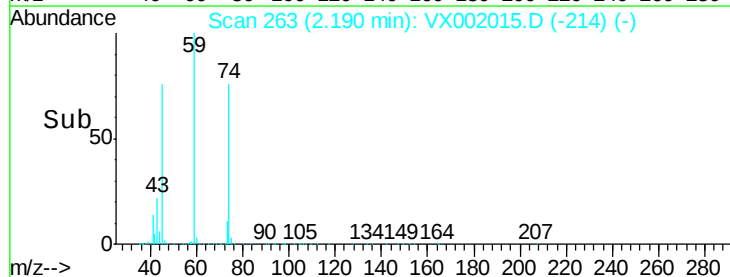
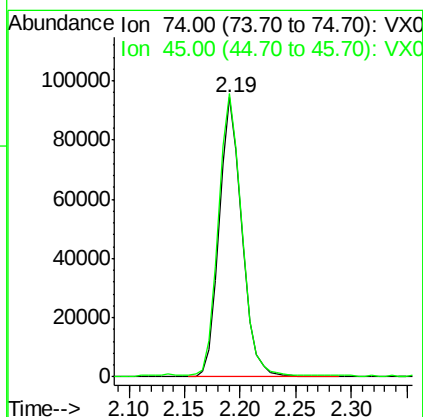
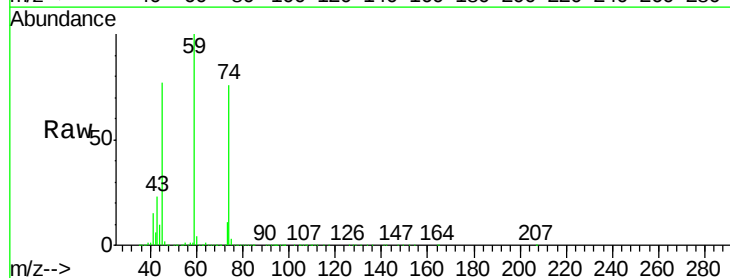
MMDadoda  
 5/30/2018 1:50:05 PM

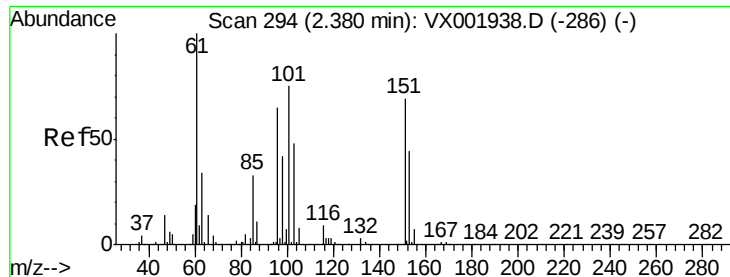


#8

Diethyl Ether  
 Concen: 50.89 ug/l  
 RT: 2.19 min Scan# 263  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 74      | 100   |       | 133091 |       |       |
| 45      | 103.9 | 51.5  | 154.7  |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.73 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

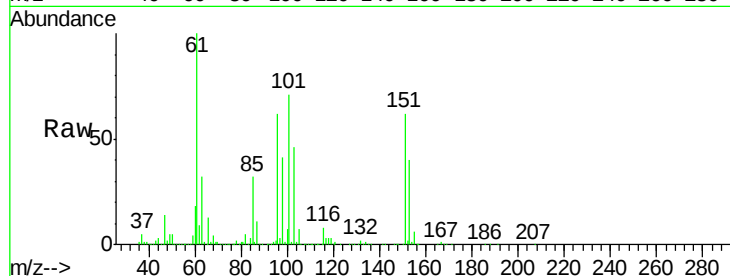
ClientSampleId :

VSTDCCC050

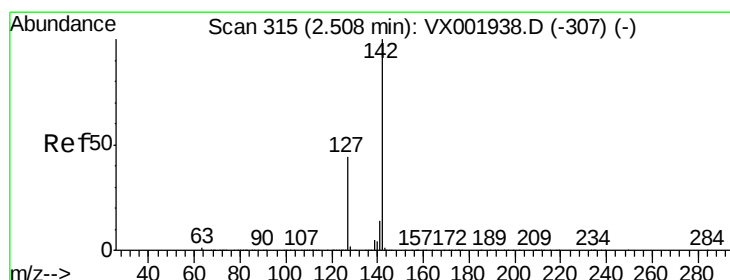
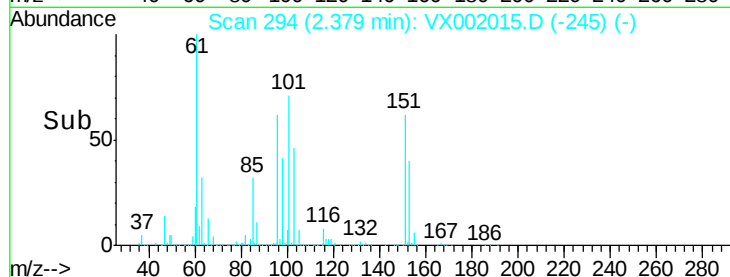
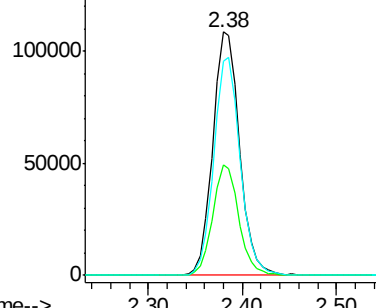
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 216113 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 44.0  | 35.6  | 53.4   |
| 151       | 88.5  | 73.2  | 109.8  |

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5/30/2018 1:50:05 PM



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VX  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.94 ug/l

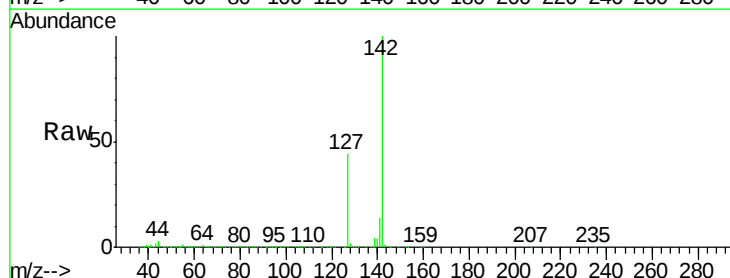
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

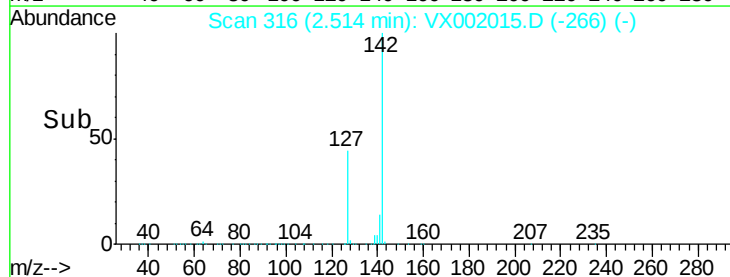
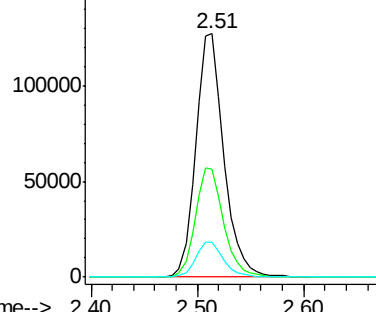
Lab File: VX002015.D

Acq: 26 May 2018 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 233728 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 45.6  | 35.5  | 53.3   |
| 141       | 14.4  | 11.3  | 16.9   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





#11

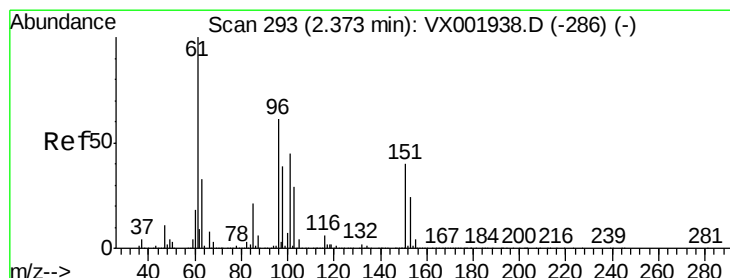
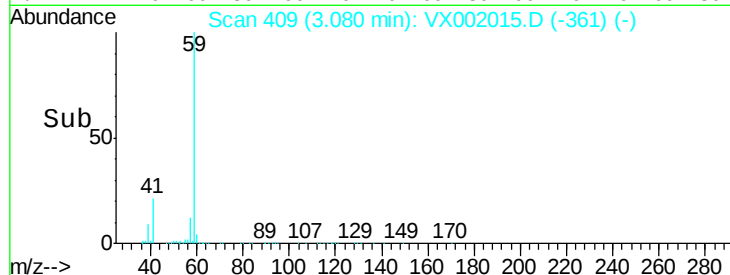
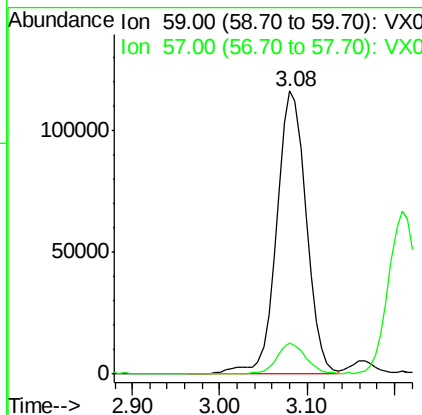
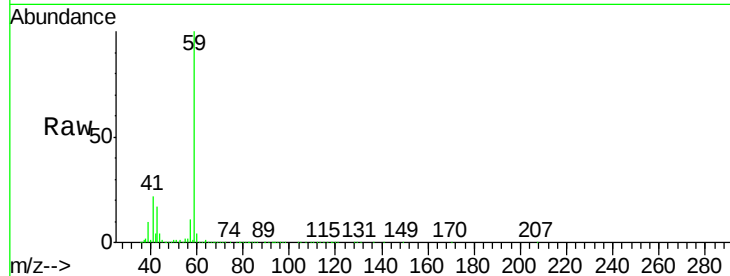
Tert butyl alcohol  
Concen: 242.46 ug/l  
RT: 3.08 min Scan# 409  
Delta R.T. -0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.2  | 8.9   | 13.3  |

Manual Integrations  
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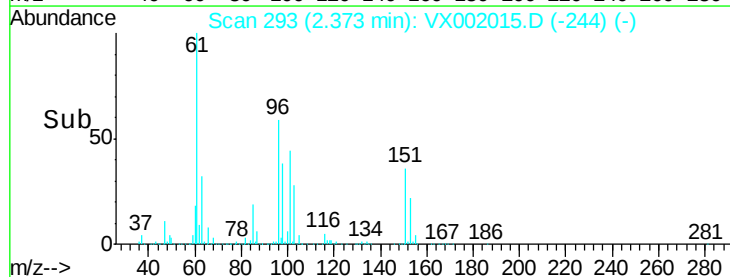
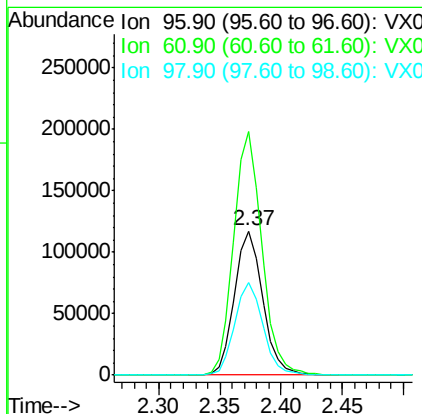
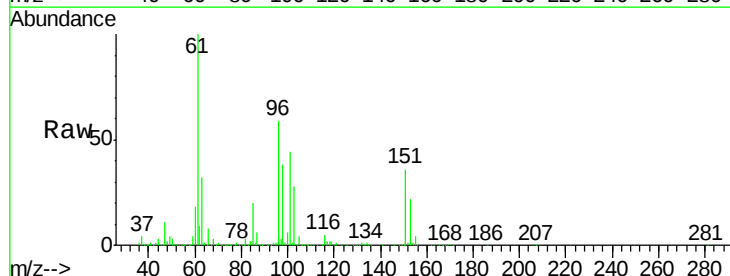
MMDadoda  
5/30/2018 1:50:05 PM



#12

1,1-Dichloroethene  
Concen: 49.77 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 169.5 | 131.7 | 197.5 |
| 98      | 64.3  | 51.6  | 77.4  |





#13

Acrolein

Concen: 176.00 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 86266

Ion Ratio Lower Upper

56 100

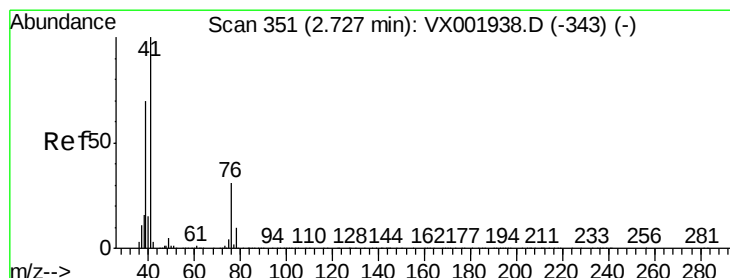
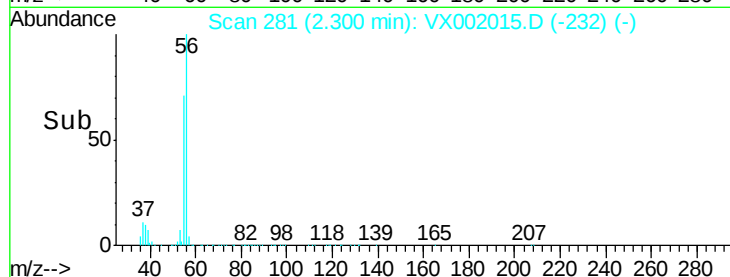
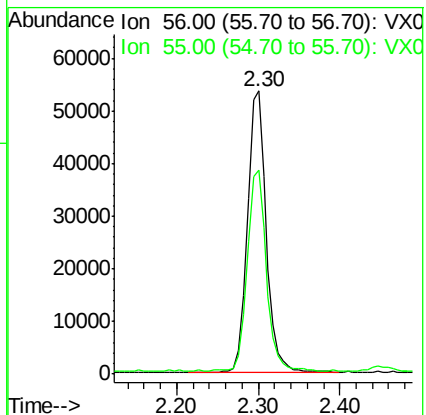
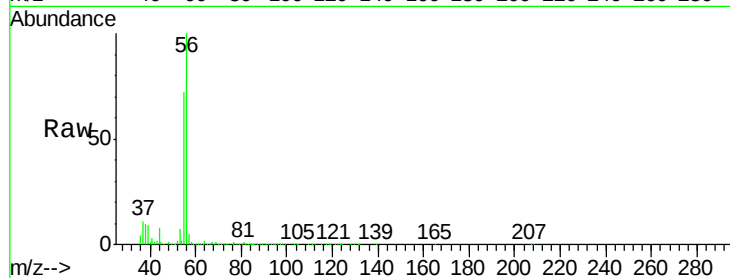
55 71.7 56.8 85.2

Manual Integrations

APPROVED

MMDadoda

5/30/2018 1:50:05 PM



#14

Allyl chloride

Concen: 50.96 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

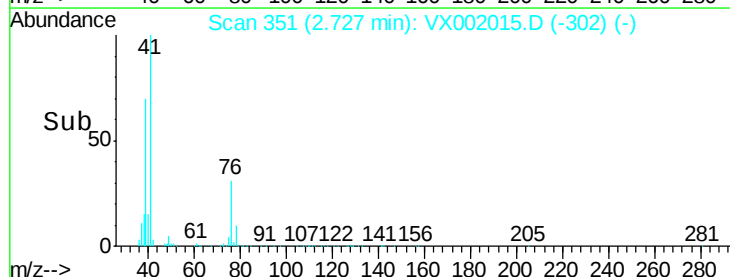
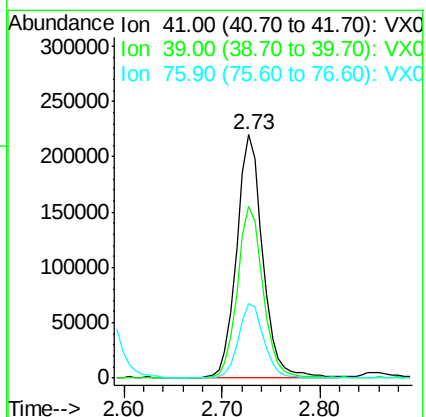
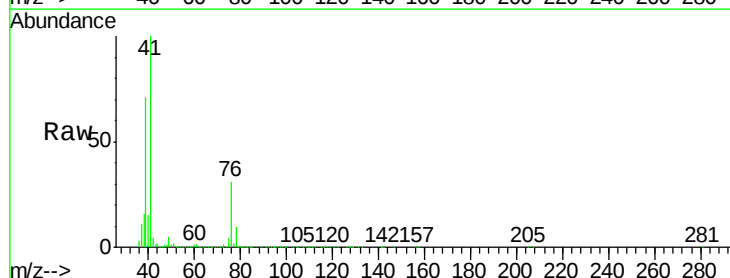
Tgt Ion: 41 Resp: 402807

Ion Ratio Lower Upper

41 100

39 68.8 54.3 81.5

76 30.0 24.2 36.4





#15

Acrylonitrile

Concen: 243.20 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

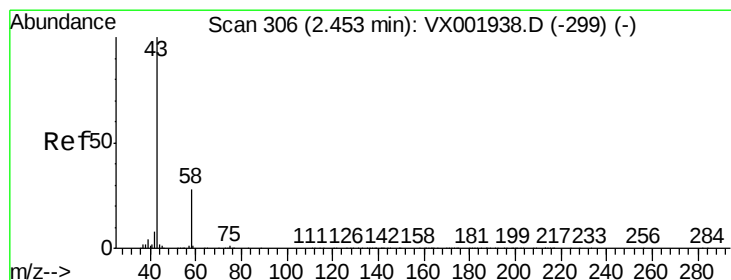
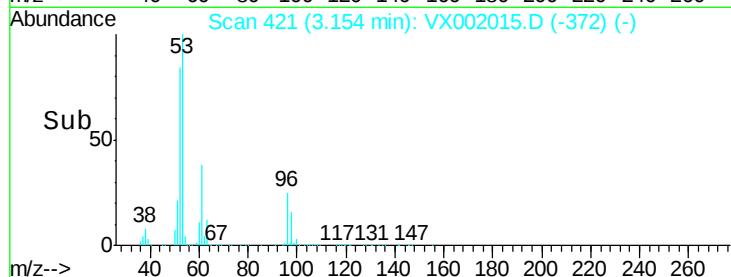
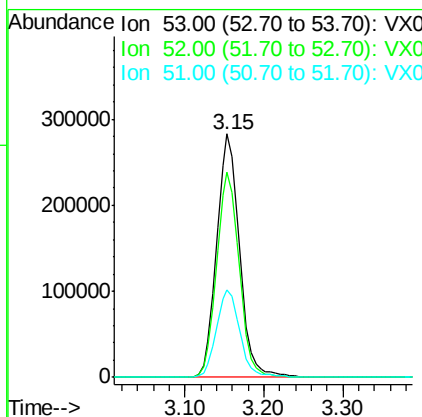
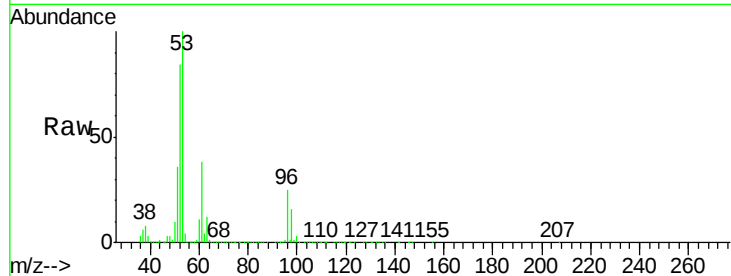
ClientSampleId :

VSTDCCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 566964 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.3 | 66.4  | 99.6   |
| 51        | 37.0 | 29.3  | 43.9   |

Manual Integrations  
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#16

Acetone

Concen: 247.37 ug/l

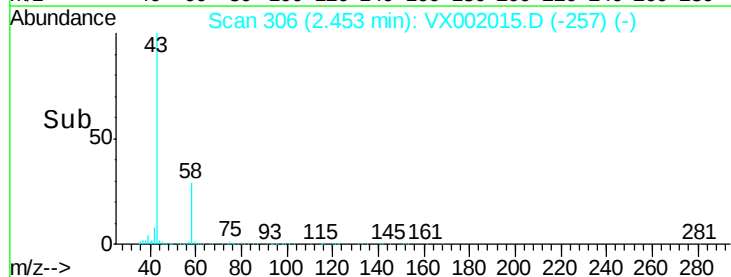
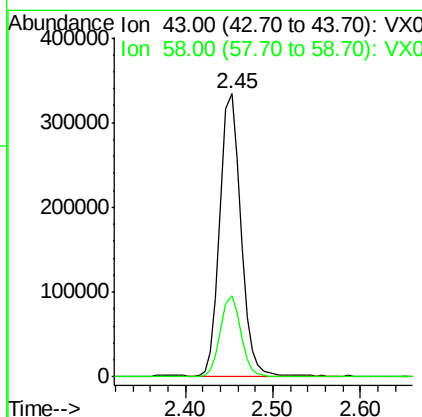
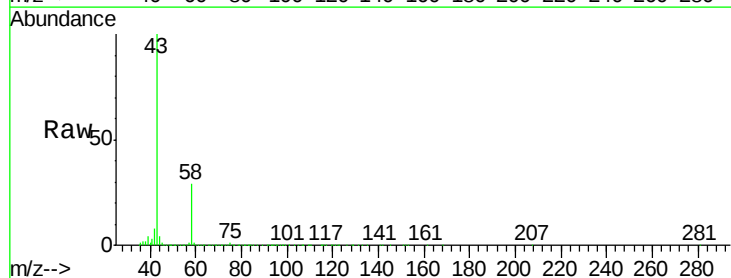
RT: 2.45 min Scan# 306

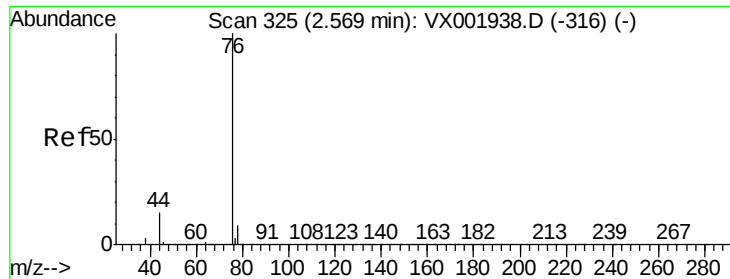
Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 551353 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 28.6 | 22.3  | 33.5   |





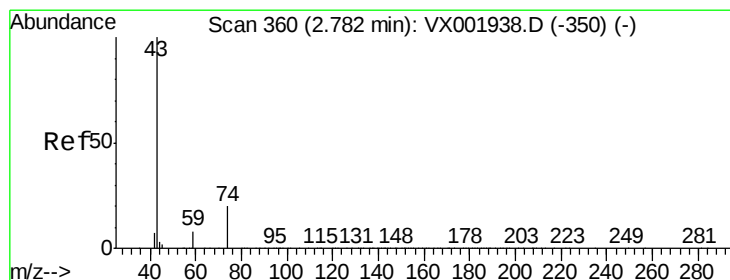
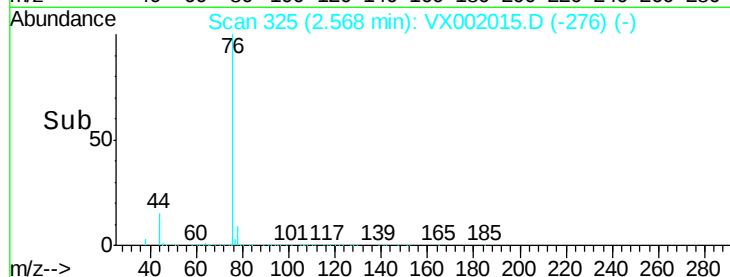
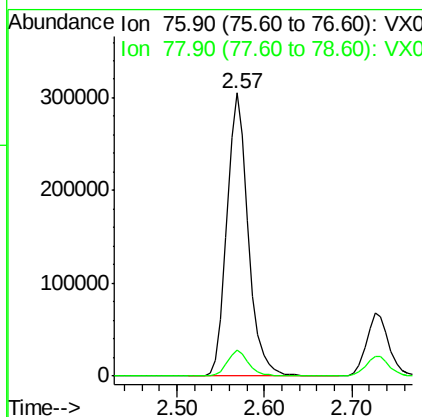
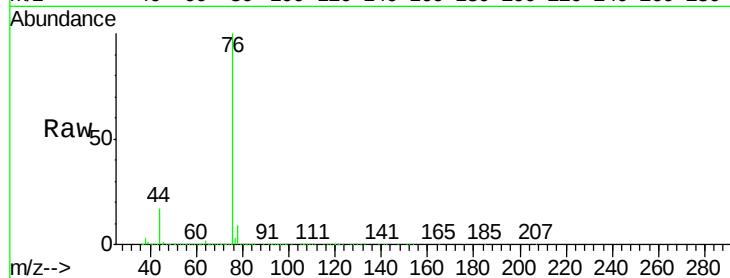
#17  
Carbon Disulfide  
Concen: 47.60 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.4   | 11.2  |

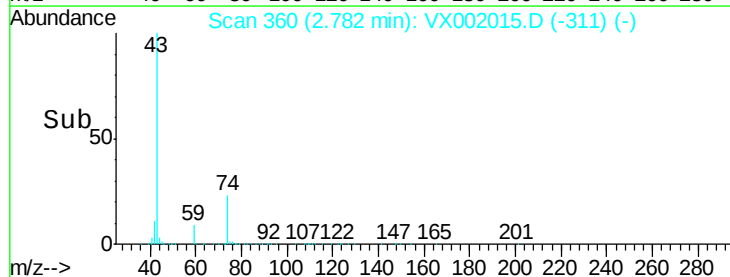
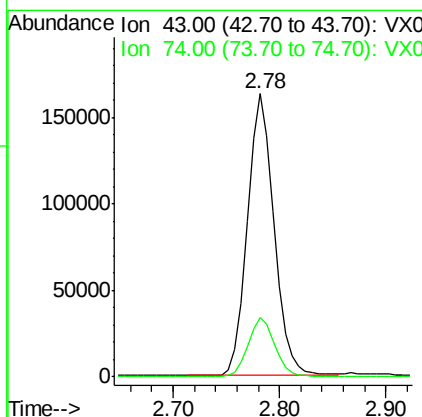
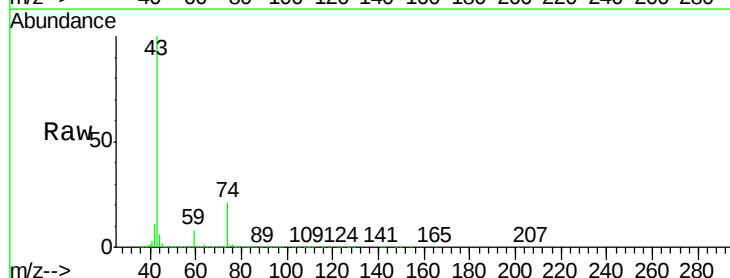
Manual Integrations  
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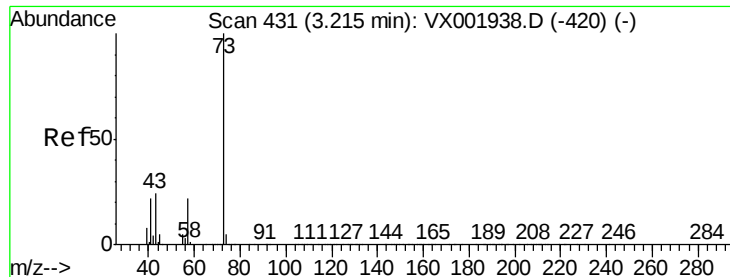
MMDadoda  
5/30/2018 1:50:05 PM



#18  
Methyl Acetate  
Concen: 53.41 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.9  | 16.8  | 25.2  |





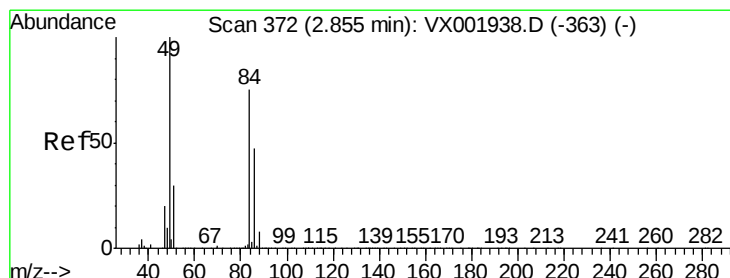
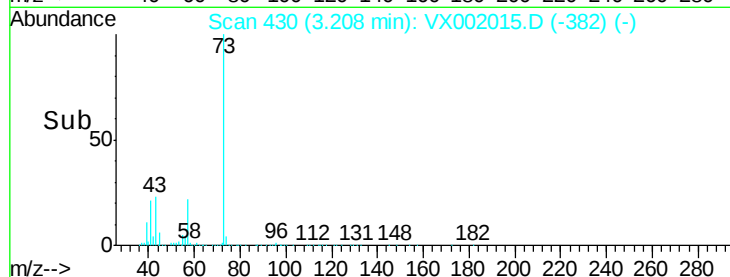
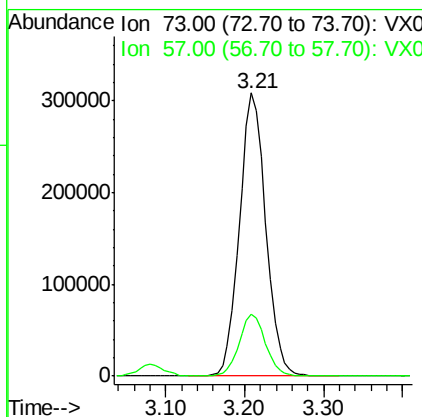
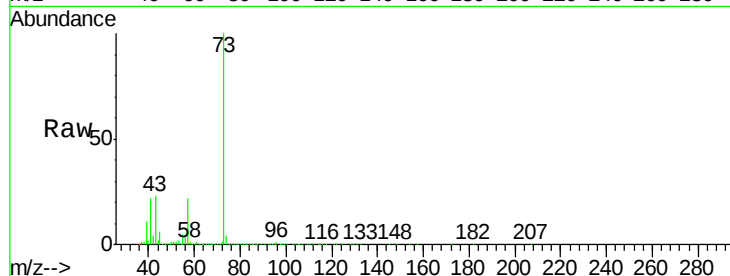
#19  
Methvl tert-butvl Ether  
Concen: 50.65 ug/l  
RT: 3.21 min Scan# 430  
Delta R.T. -0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 21.5  | 17.4  | 26.0  |

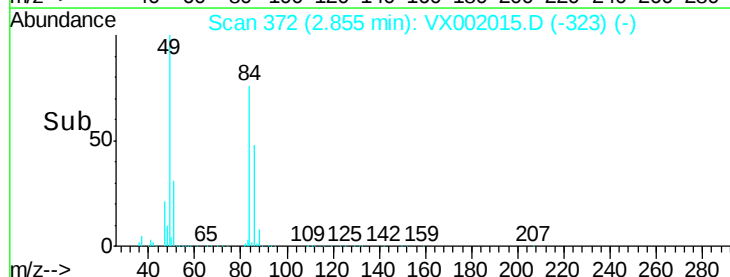
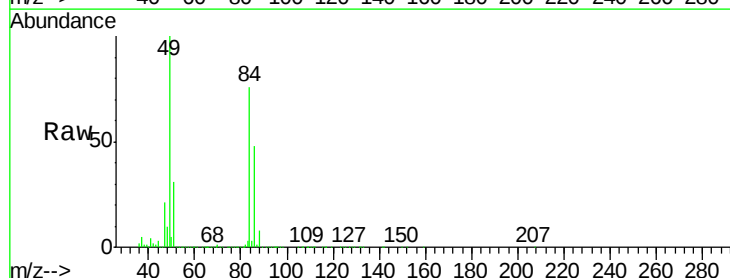
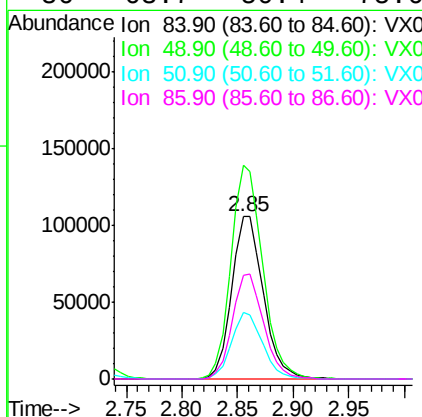
Manual Integrations  
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5/30/2018 1:50:05 PM



#20  
Methylene Chloride  
Concen: 53.73 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 131.9 | 107.2 | 160.8 |
| 51      | 40.7  | 32.4  | 48.6  |
| 86      | 63.7  | 50.4  | 75.6  |





#21

trans-1,2-Dichloroethene

Concen: 54.35 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

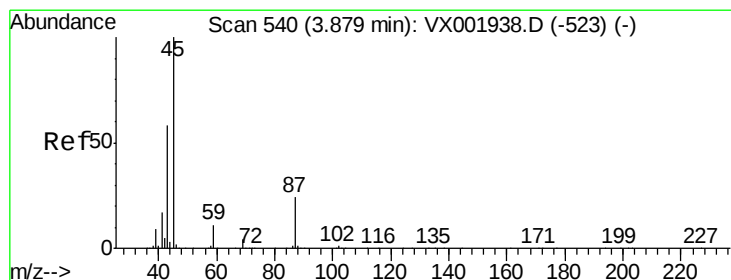
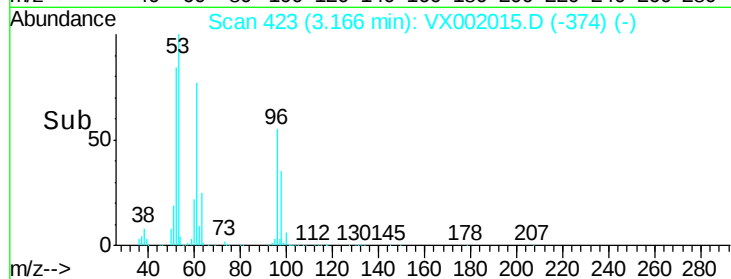
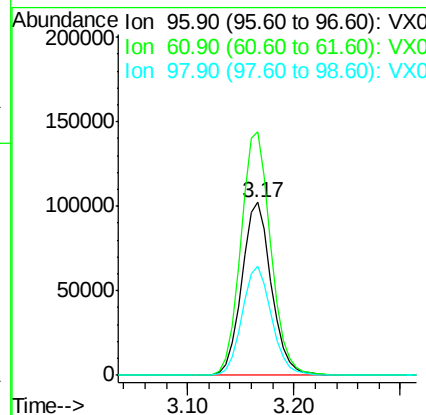
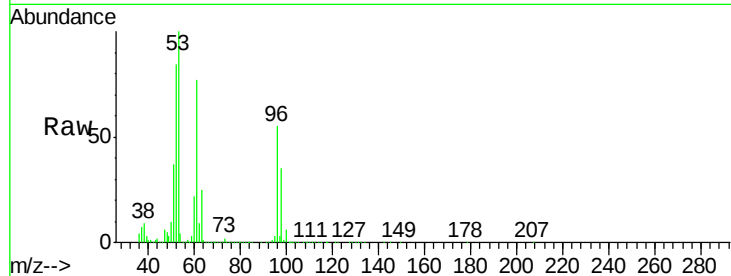
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 198758 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 140.9 | 113.3 | 169.9  |
| 98       | 62.9  | 51.7  | 77.5   |

Manual Integrations  
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MMDadoda  
5/30/2018 1:50:05 PM



#22

Diisopropyl ether

Concen: 47.08 ug/l

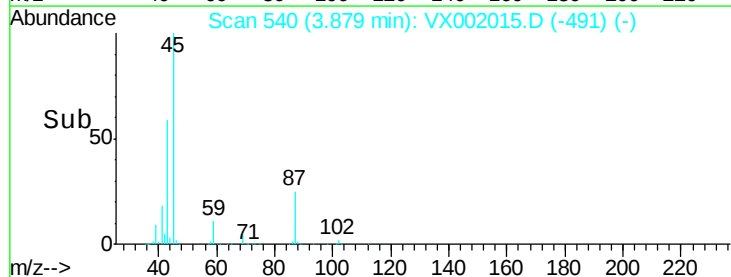
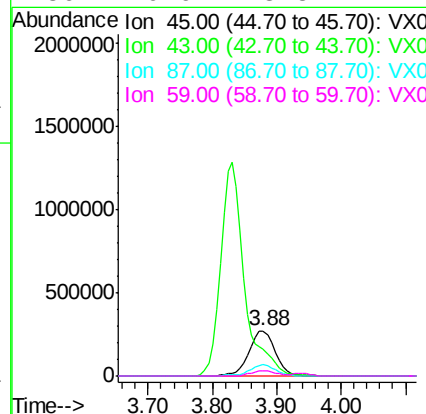
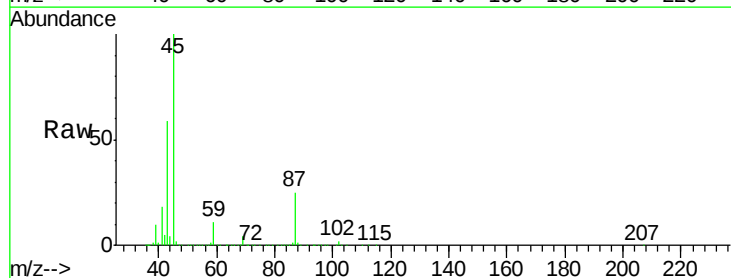
RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 757054 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 58.4  | 47.0  | 70.6   |
| 87       | 24.9  | 19.4  | 29.0   |
| 59       | 10.9  | 8.5   | 12.7   |





#23

Vinyl Acetate

Concen: 248.70 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3315626

Ion Ratio Lower Upper

43 100

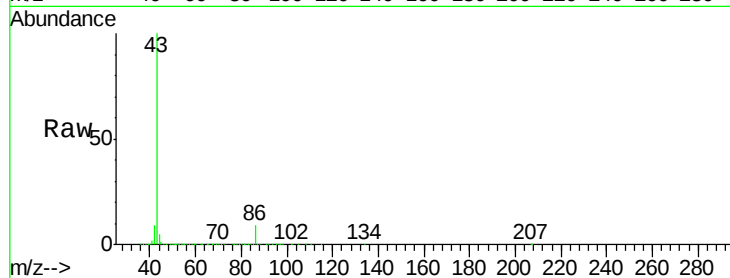
86 8.9 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

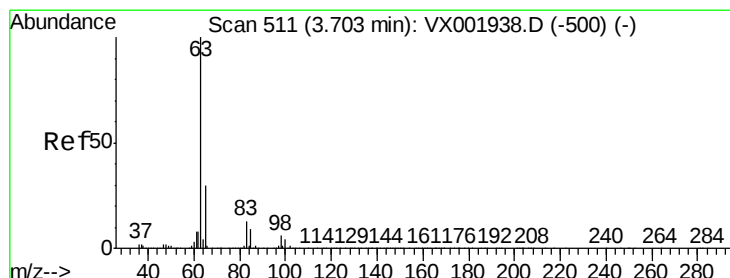
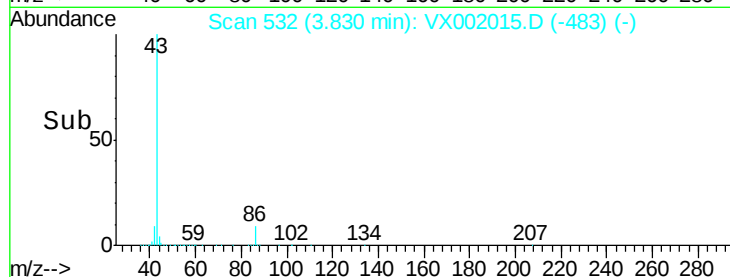
1500000

1000000

500000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 51.16 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

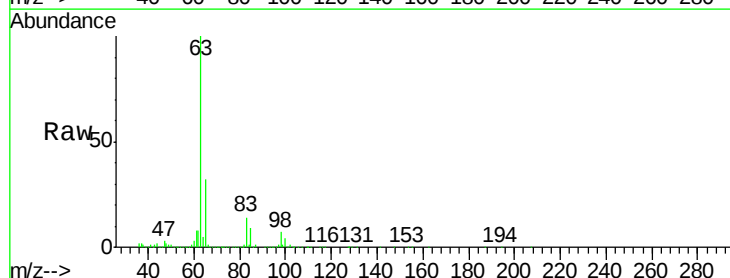
Tgt Ion: 63 Resp: 390805

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

200000

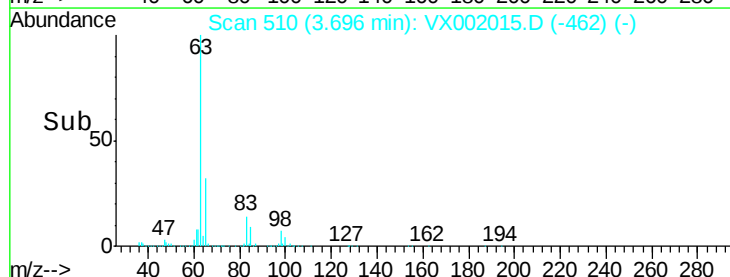
150000

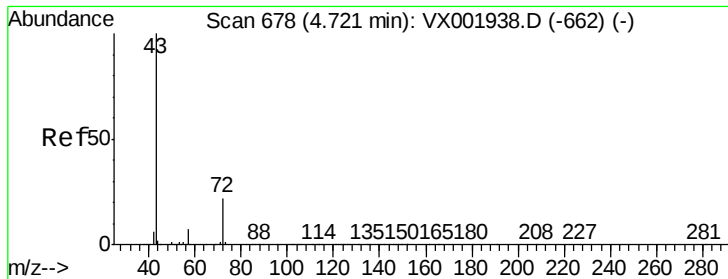
100000

50000

0

Time--> 3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 214.37 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 875749

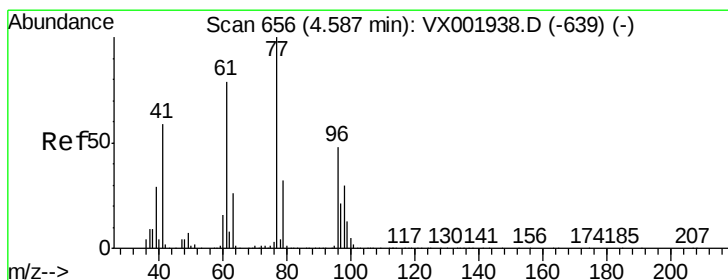
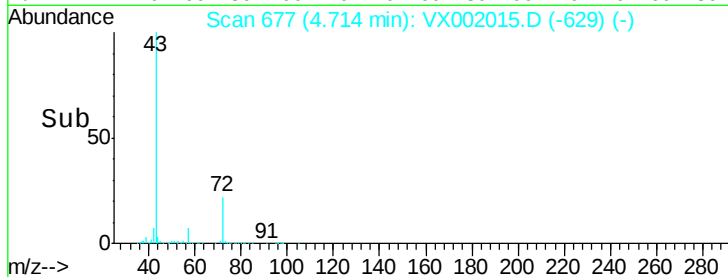
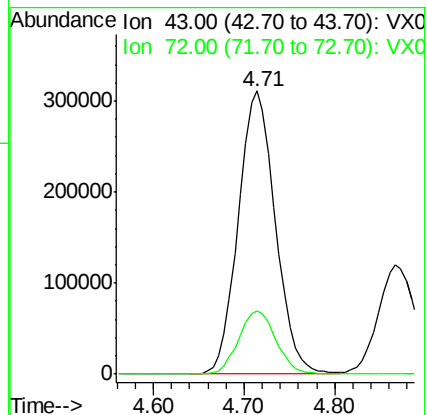
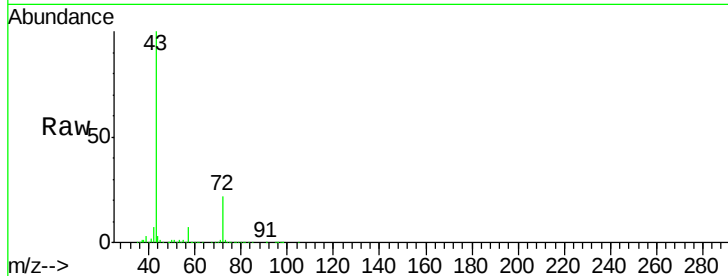
Ion Ratio Lower Upper

43 100

72 22.3 17.9 26.9

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#26

2,2-Dichloropropane

Concen: 45.72 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002015.D

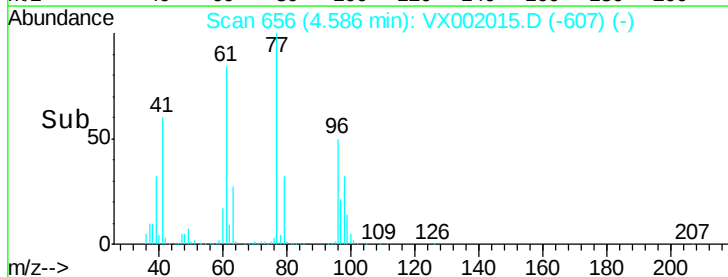
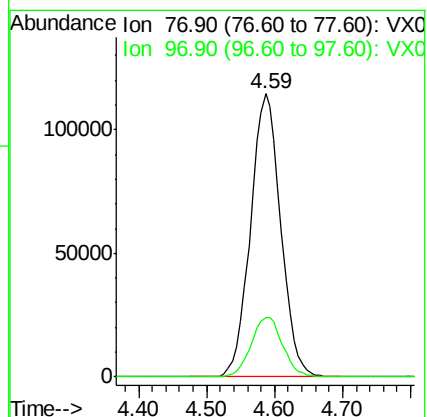
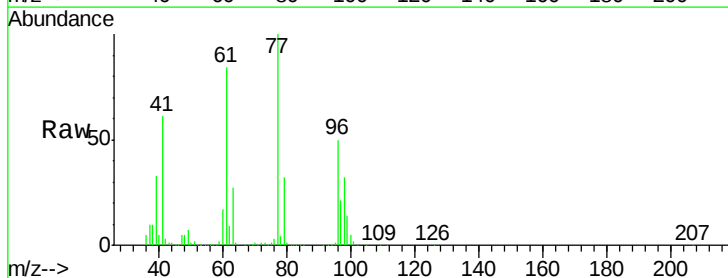
Acq: 26 May 2018 12:58

Tgt Ion: 77 Resp: 353431

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.5





#27

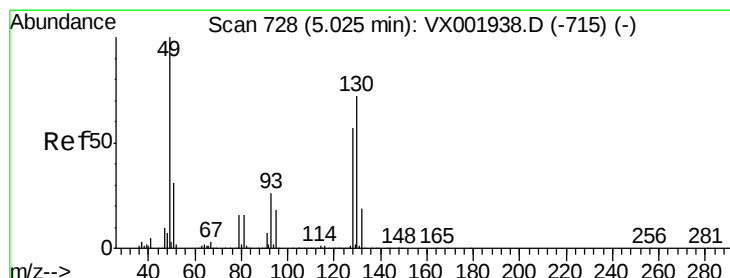
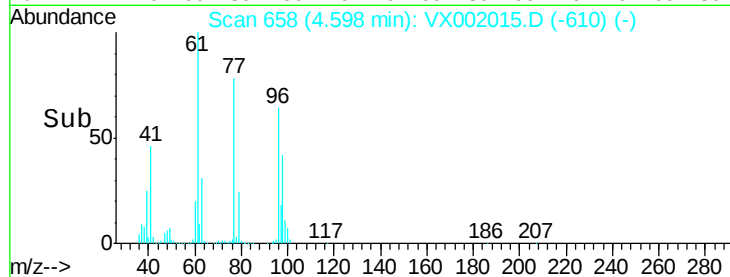
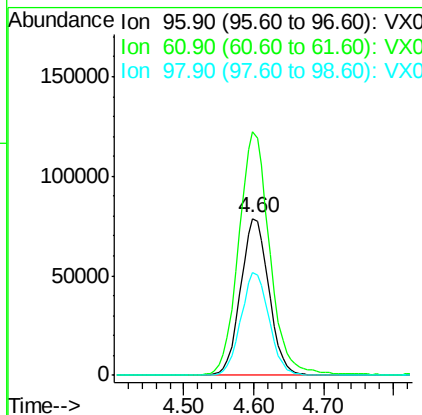
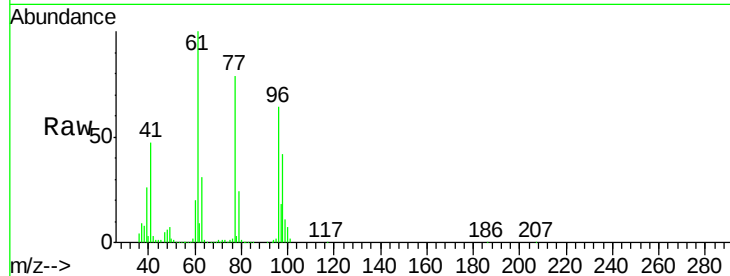
cis-1,2-Dichloroethene  
Concen: 44.97 ug/l  
RT: 4.60 min Scan# 658  
Delta R.T. -0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 220824 |       |       |
| 61      | 171.7 | 0.0    | 348.4 |       |
| 98      | 65.6  | 0.0    | 128.6 |       |

Manual Integrations  
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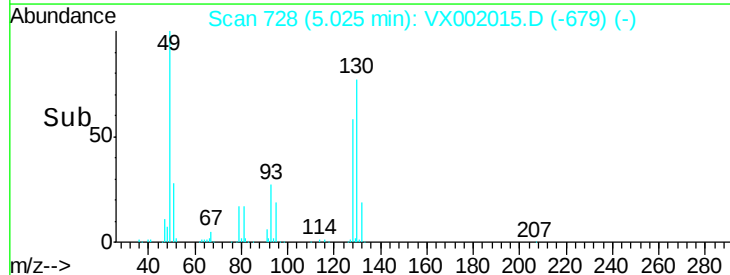
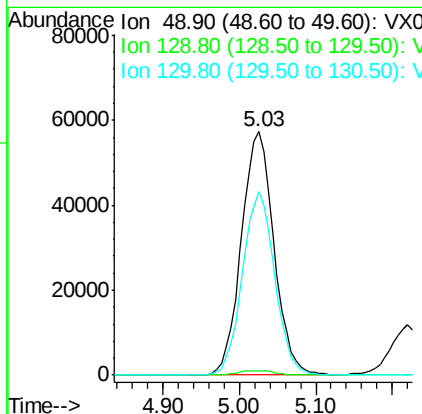
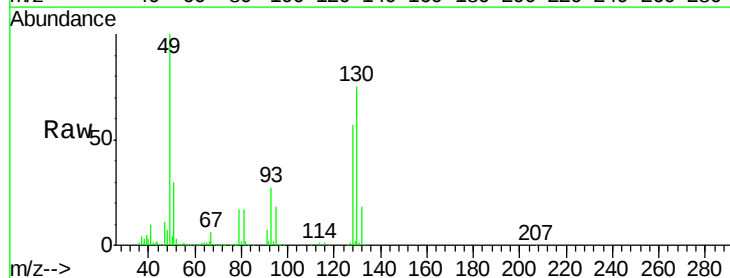
MMDadoda  
5/30/2018 1:50:05 PM



#28

Bromochloromethane  
Concen: 52.92 ug/l  
RT: 5.03 min Scan# 728  
Delta R.T. 0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 169457 |       |       |
| 129     | 2.1   | 0.0    | 3.8   |       |
| 130     | 74.8  | 59.4   | 89.2  |       |





#29

Tetrahydrofuran

Concen: 213.11 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

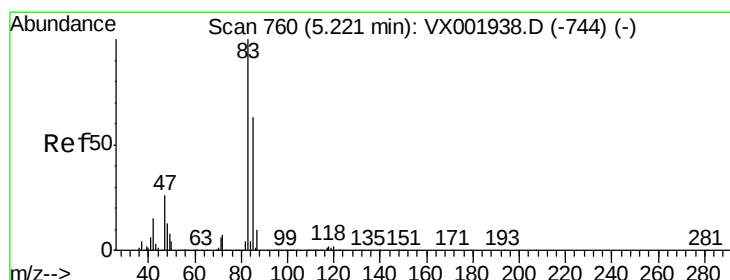
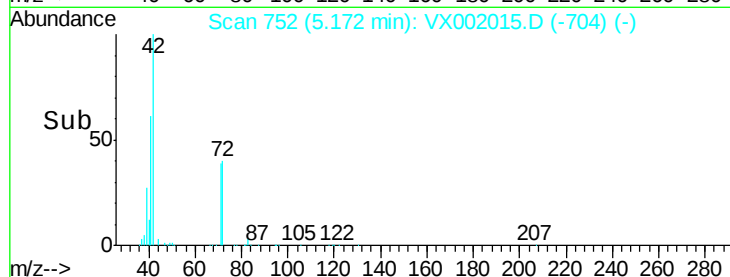
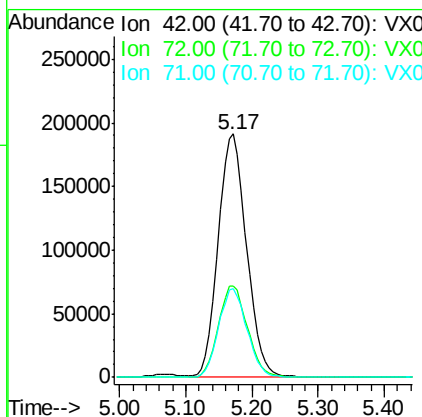
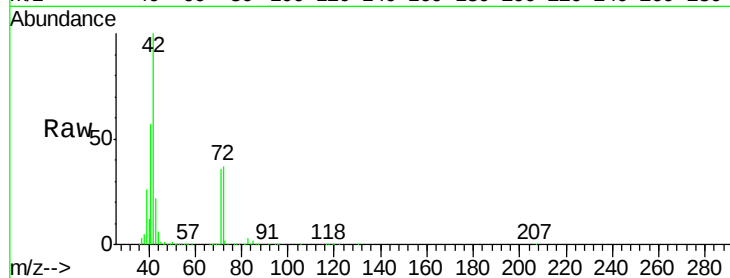
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 566410 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 38.7  | 31.4  | 47.0   |
| 71       | 36.6  | 29.5  | 44.3   |

Manual Integrations  
APPROVED

MMDadoda  
5/30/2018 1:50:05 PM



#30

Chloroform

Concen: 45.16 ug/l

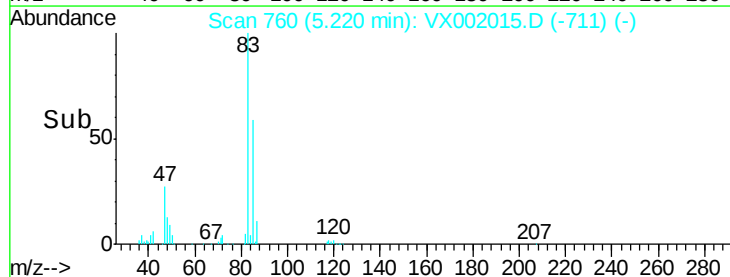
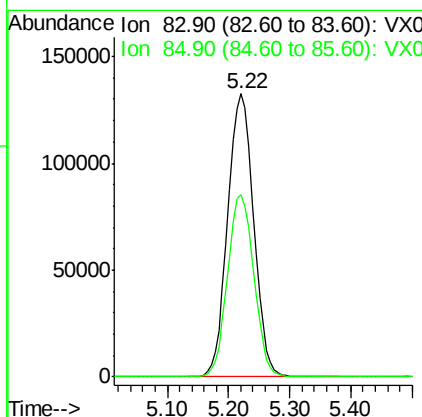
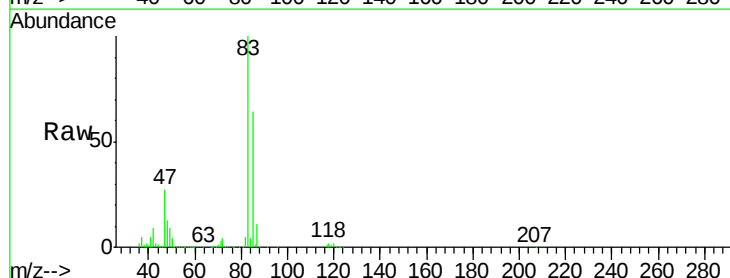
RT: 5.22 min Scan# 760

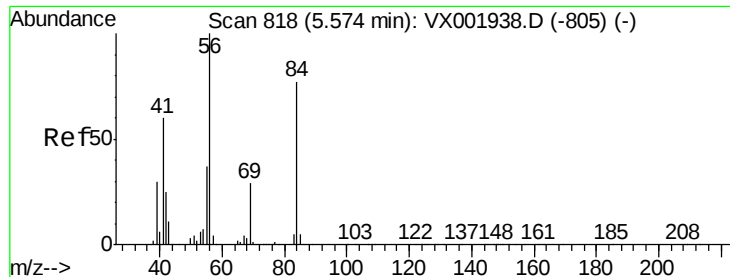
Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 388615 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.2  | 50.9  | 76.3   |





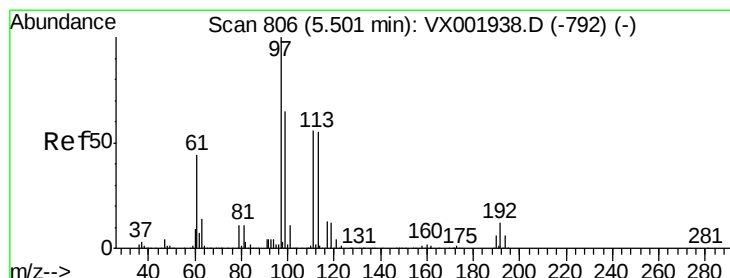
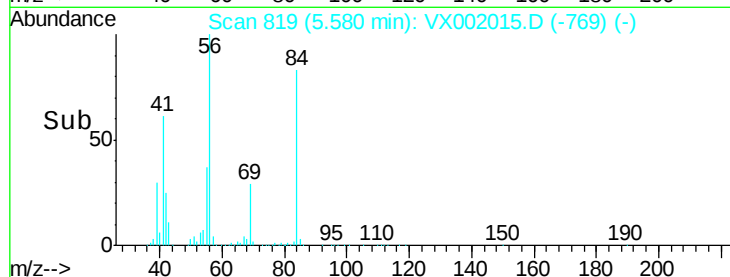
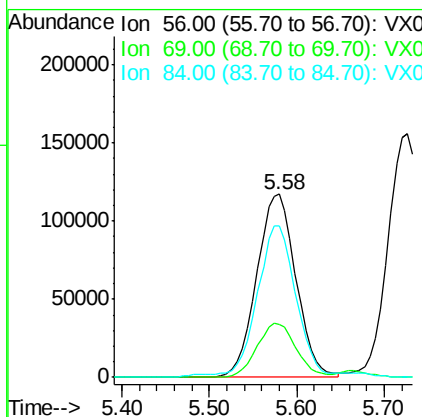
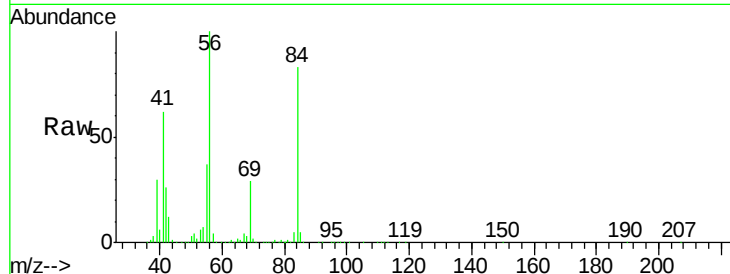
#31  
Cyclohexane  
Concen: 45.87 ug/l  
RT: 5.58 min Scan# 819  
Delta R.T. 0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 28.7  | 23.1  | 34.7  |
| 84      | 81.7  | 62.0  | 93.0  |

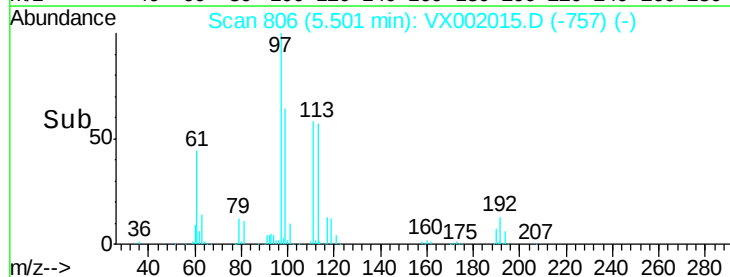
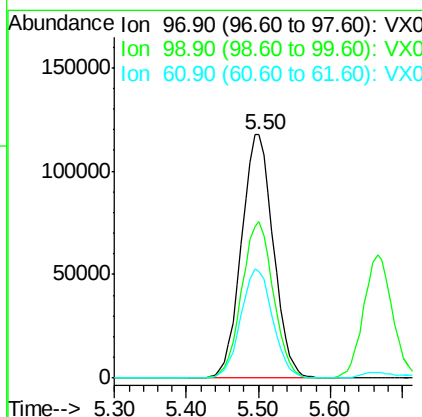
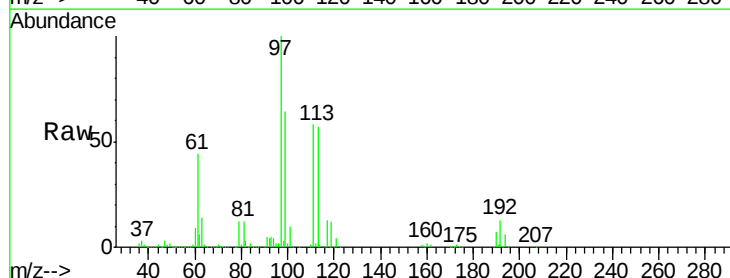
Manual Integrations  
APPROVED

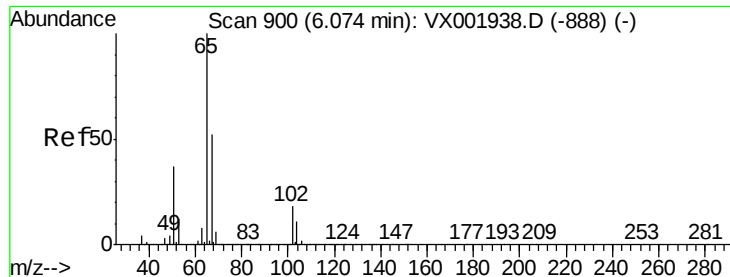
MMDadoda  
5/30/2018 1:50:05 PM



#32  
1,1,1-Trichloroethane  
Concen: 45.12 ug/l  
RT: 5.50 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.8  | 51.9  | 77.9  |
| 61      | 45.0  | 35.9  | 53.9  |





#33

1,2-Dichloroethane-d4

Concen: 44.66 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 257925

Ion Ratio Lower Upper

65 100

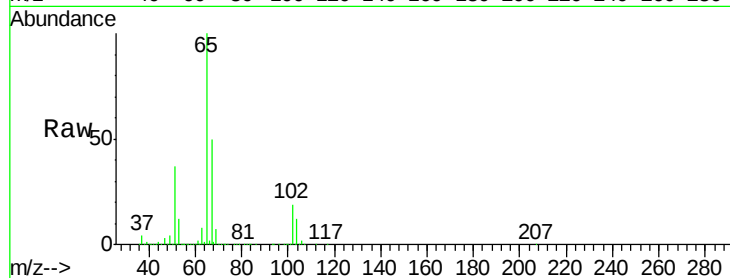
67 51.2 0.0 104.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

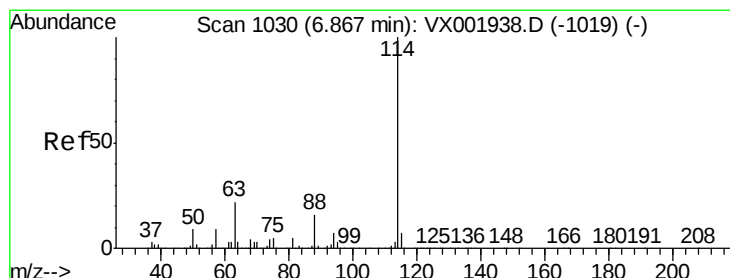
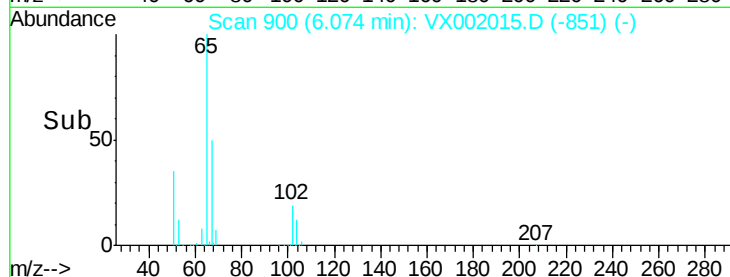
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

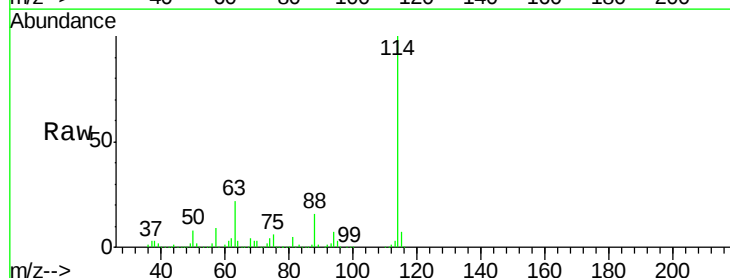
Tgt Ion: 114 Resp: 439266

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.87

250000

200000

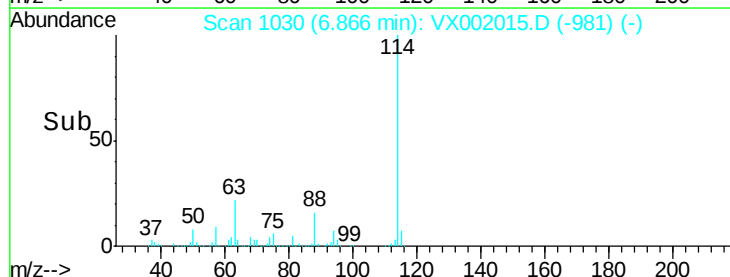
150000

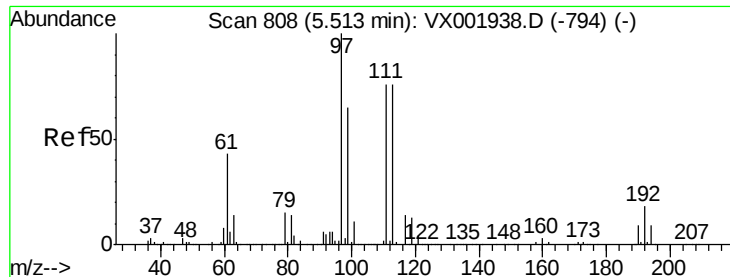
100000

50000

0

Time-->





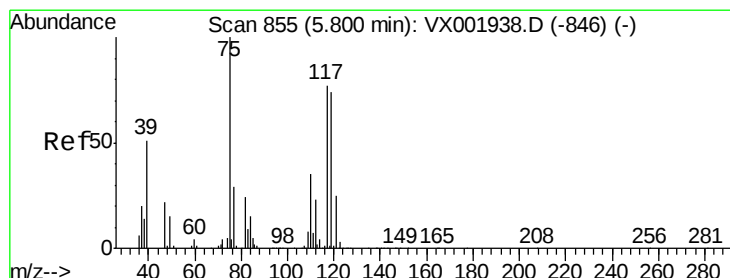
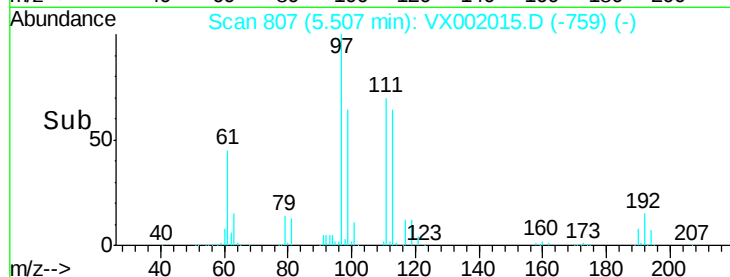
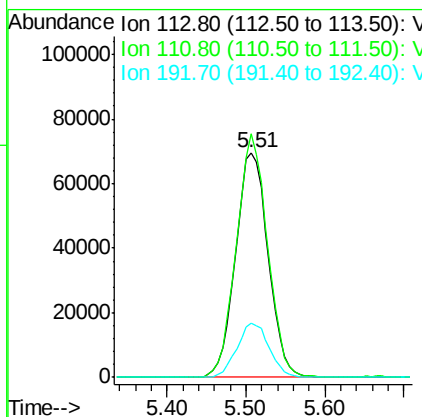
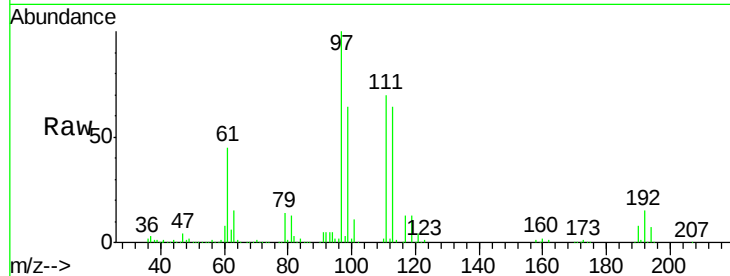
#35  
 Dibromofluoromethane  
 Concen: 45.61 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.01 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 200365 |       |       |
| 111     | 103.4 | 82.0   | 123.0 |       |
| 192     | 23.7  | 18.9   | 28.3  |       |

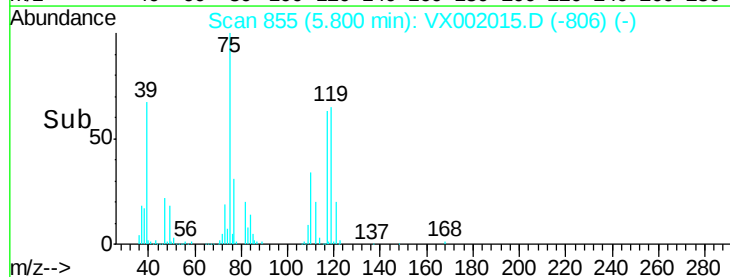
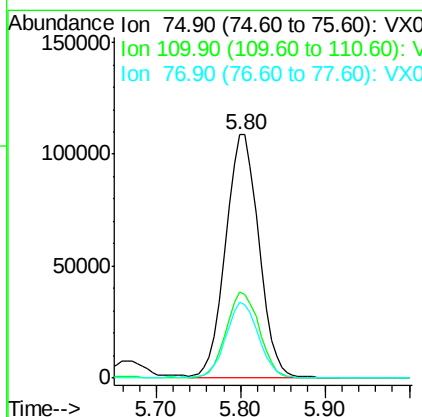
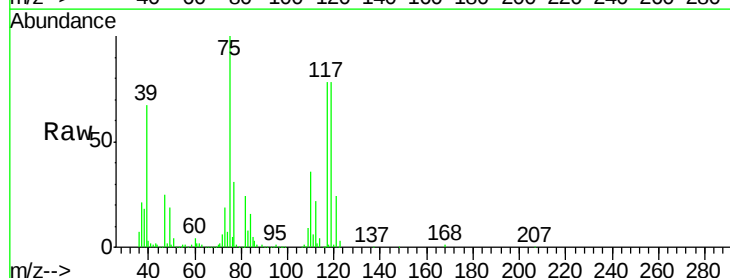
Manual Integrations  
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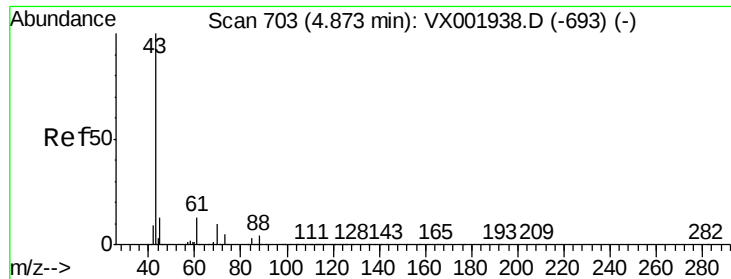
MMDadoda  
 5/30/2018 1:50:05 PM



#36  
 1,1-Dichloropropene  
 Concen: 47.73 ug/l  
 RT: 5.80 min Scan# 855  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 291650 |       |       |
| 110     | 35.7  | 17.4   | 52.2  |       |
| 77      | 30.5  | 24.4   | 36.6  |       |





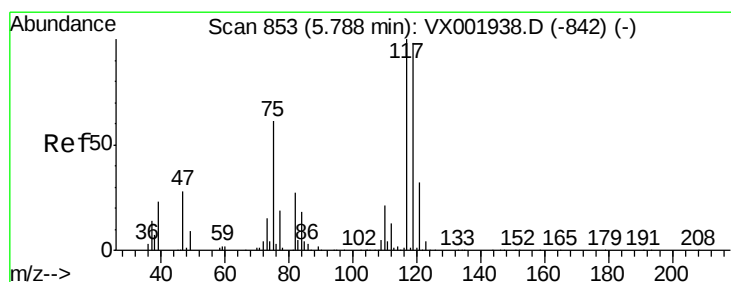
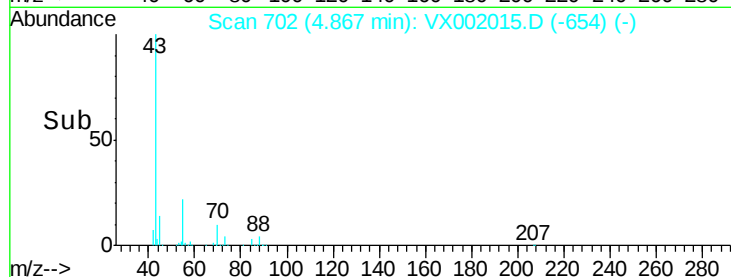
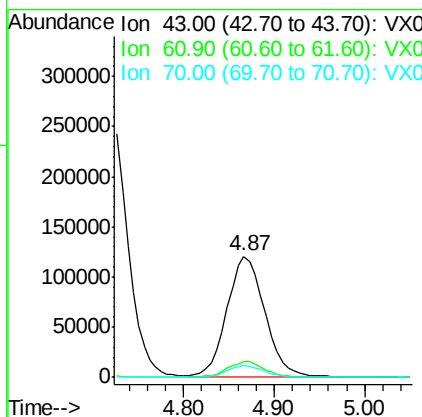
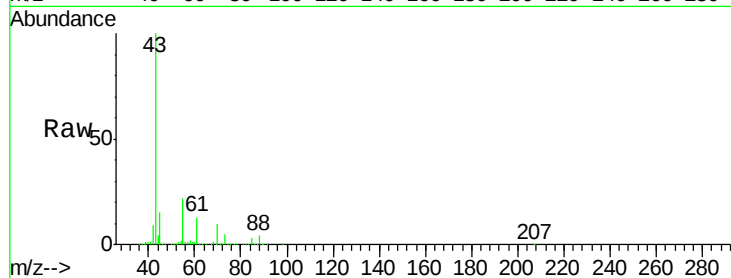
#37  
Ethyl Acetate  
Concen: 43.25 ug/l  
RT: 4.87 min Scan# 702  
Delta R.T. -0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.7  | 10.2  | 15.2  |
| 70      | 9.4   | 7.8   | 11.8  |

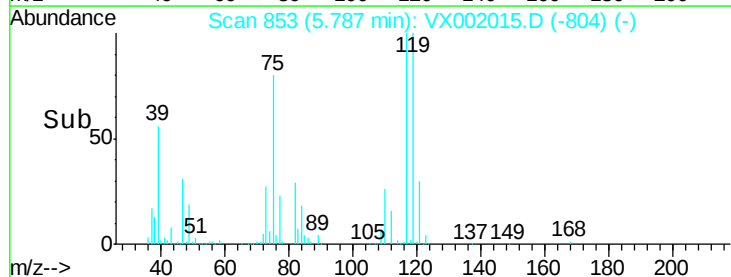
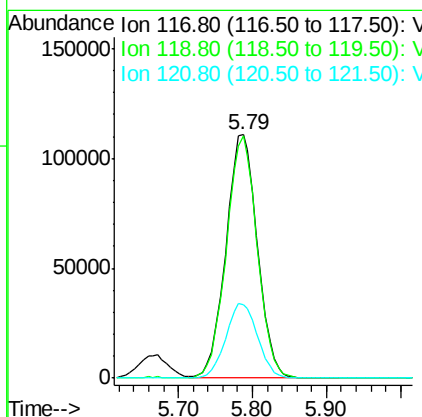
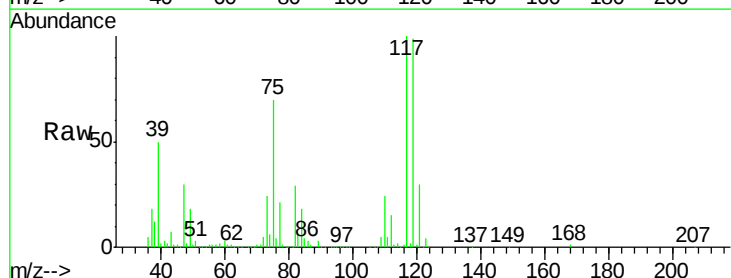
Manual Integrations  
APPROVED

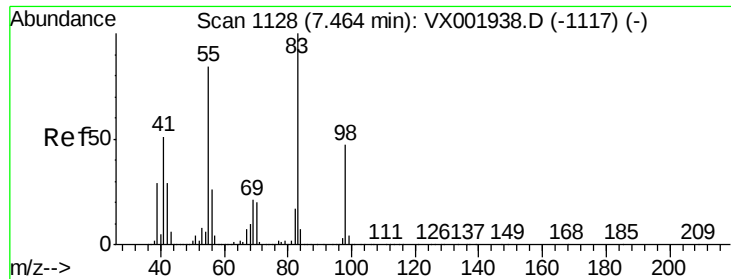
MMDadoda  
5/30/2018 1:50:05 PM



#38  
Carbon Tetrachloride  
Concen: 45.92 ug/l  
RT: 5.79 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.3  | 78.5  | 117.7 |
| 121     | 30.2  | 25.5  | 38.3  |





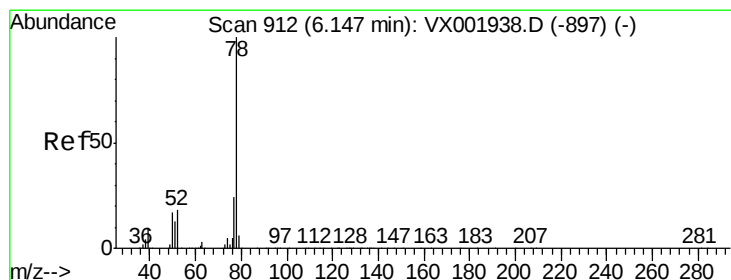
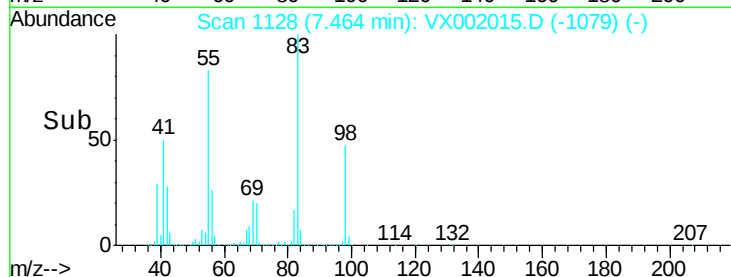
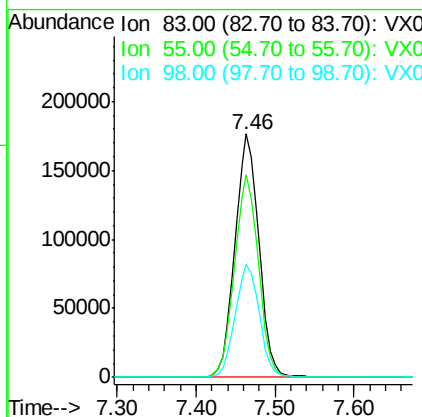
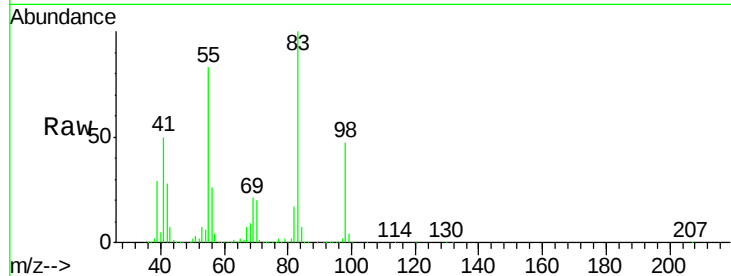
#39  
Methvlcvclohexane  
Concen: 49.80 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 83.2  | 67.3  | 100.9 |
| 98      | 46.6  | 37.5  | 56.3  |

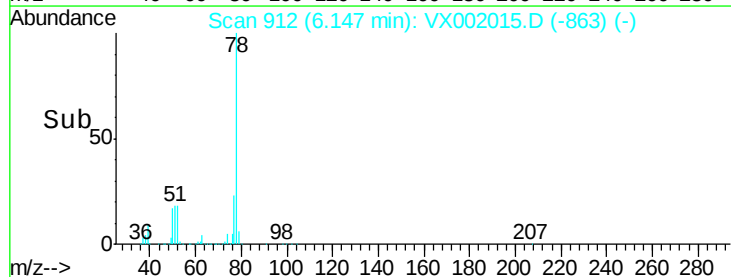
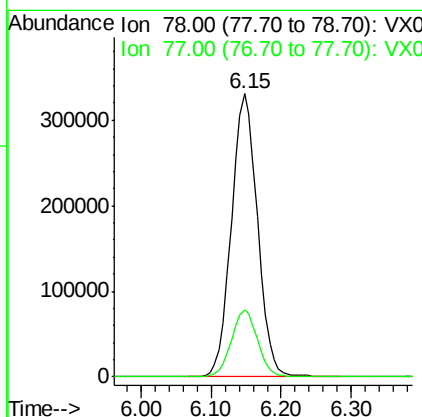
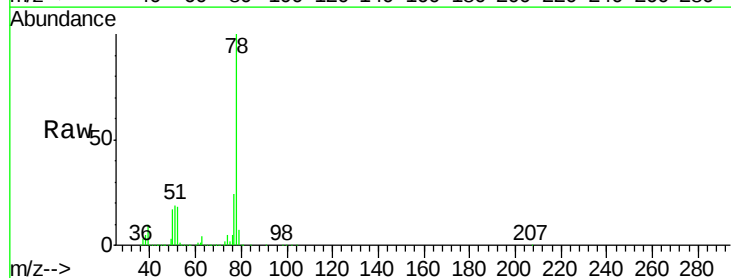
Manual Integrations  
APPROVED

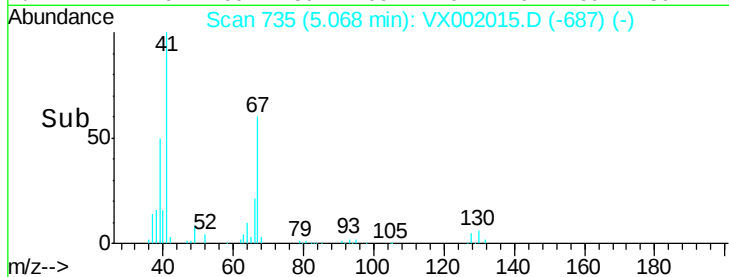
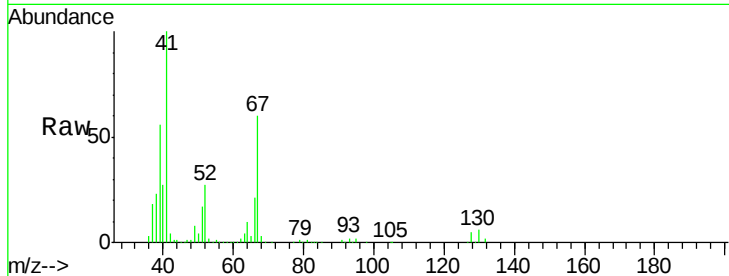
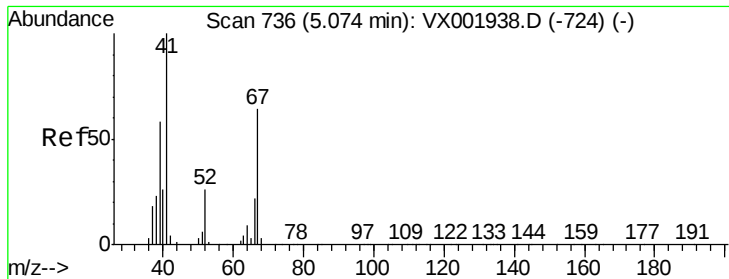
MMDadoda  
5/30/2018 1:50:05 PM



#40  
Benzene  
Concen: 47.84 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

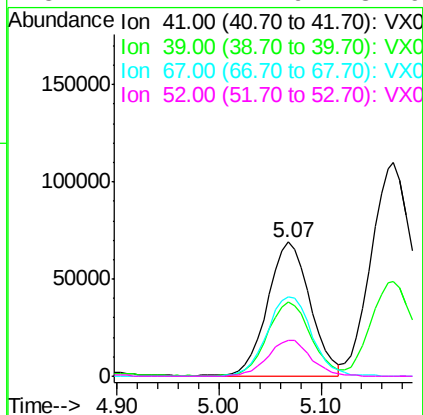
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 19.1  | 28.7  |





#41  
Methacrylonitrile  
Concen: 47.20 ug/l  
RT: 5.07 min Scan# 735  
Delta R.T. -0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

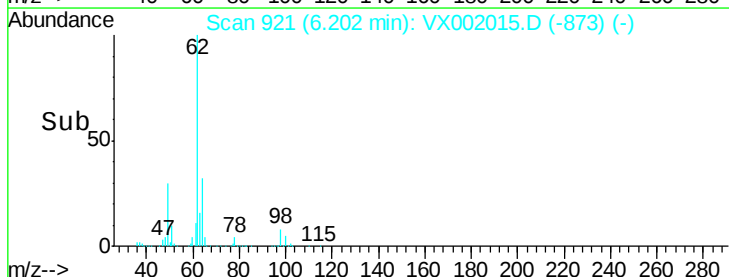
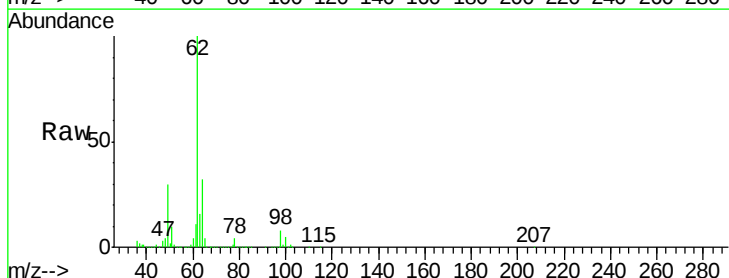
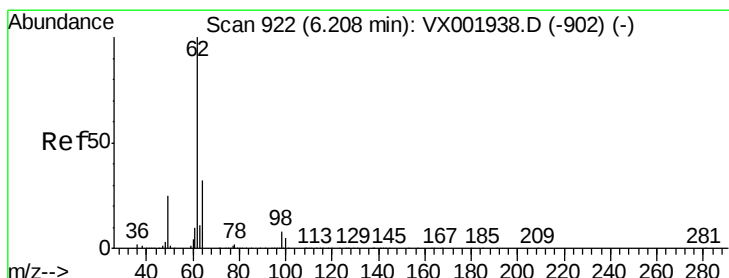
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 41      | 100  |       |      |       |       |
| 39      | 56.5 | 46.0  | 69.0 |       |       |
| 67      | 62.4 | 50.6  | 75.8 |       |       |
| 52      | 27.2 | 21.9  | 32.9 |       |       |



Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

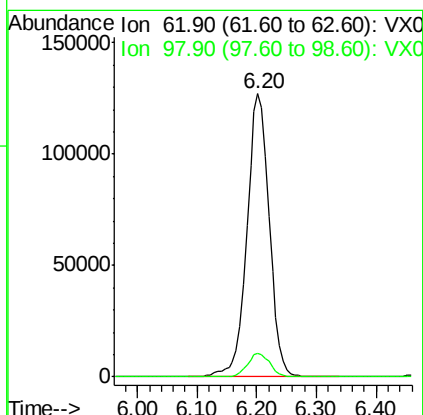
Manual Integrations  
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5/30/2018 1:50:05 PM



#42  
1,2-Dichloroethane  
Concen: 46.22 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. -0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 62      | 100 |       |      |       |       |
| 98      | 8.4 | 0.0   | 17.0 |       |       |





#43

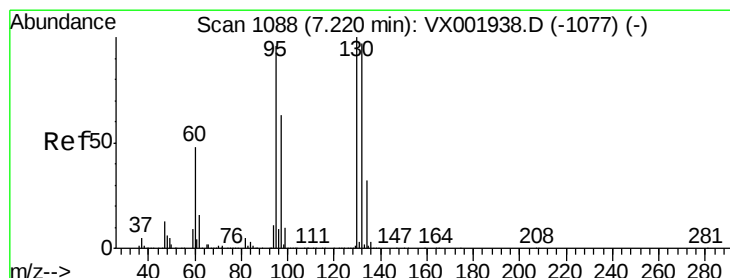
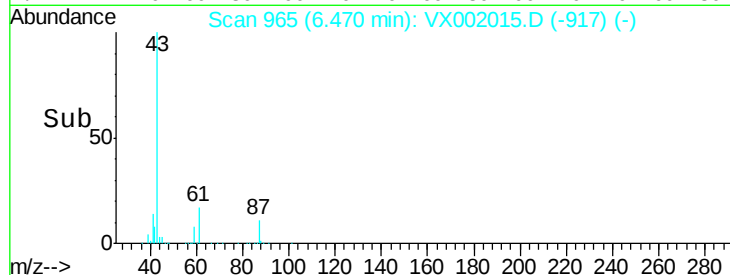
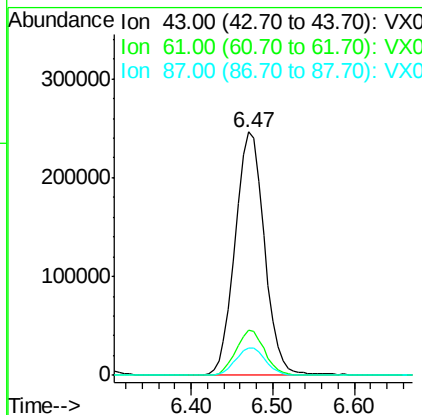
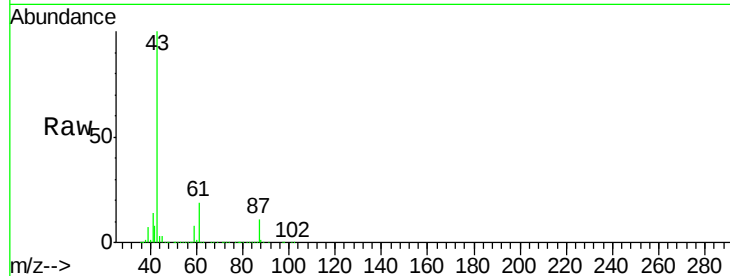
Isopropyl Acetate  
 Concen: 46.01 ug/l  
 RT: 6.47 min Scan# 965  
 Delta R.T. -0.01 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.2  | 14.5  | 21.7  |
| 87      | 11.5  | 9.5   | 14.3  |

Manual Integrations  
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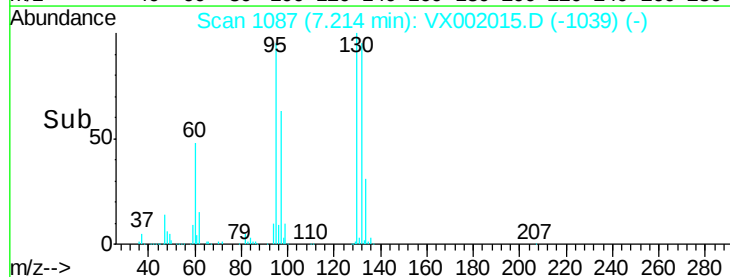
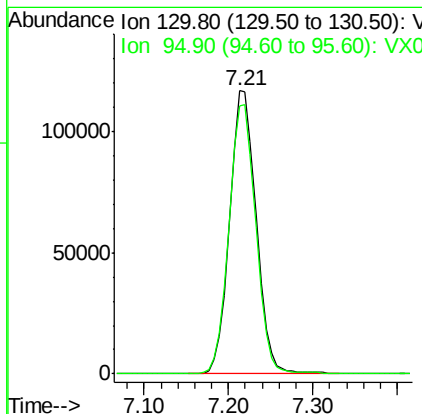
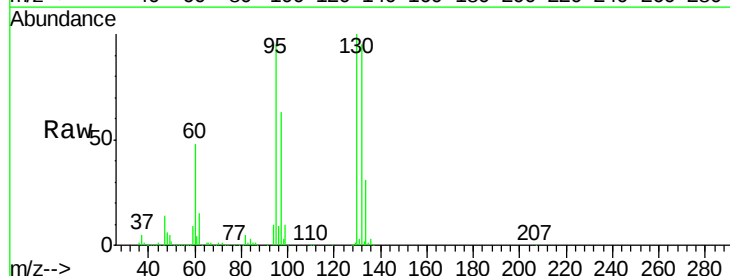
MMDadoda  
 5/30/2018 1:50:05 PM



#44

Trichloroethene  
 Concen: 47.85 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. -0.01 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 94.8  | 0.0   | 192.0 |





#45

1,2-Dichloropropane

Concen: 48.26 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 234592

Ion Ratio Lower Upper

63 100

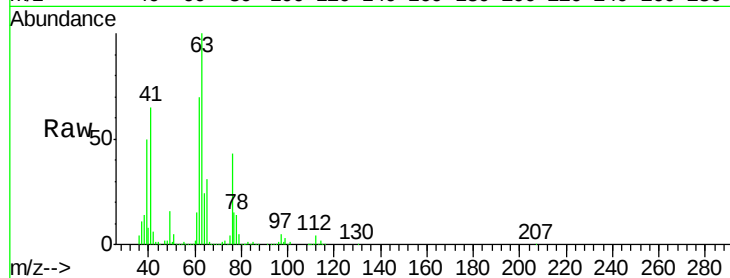
65 31.2 24.1 36.1

Manual Integrations

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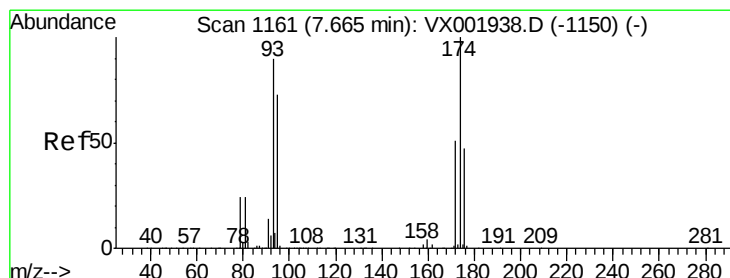
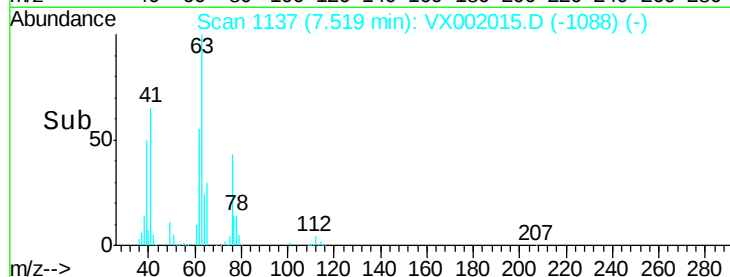
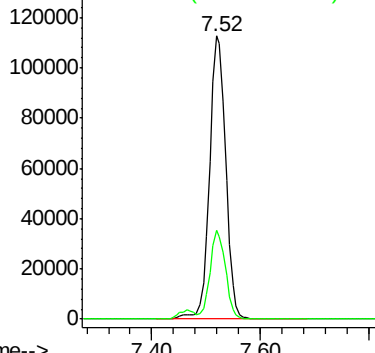
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 47.37 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

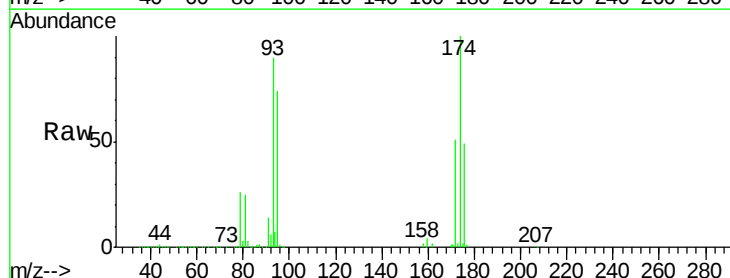
Tgt Ion: 93 Resp: 152460

Ion Ratio Lower Upper

93 100

95 82.4 66.1 99.1

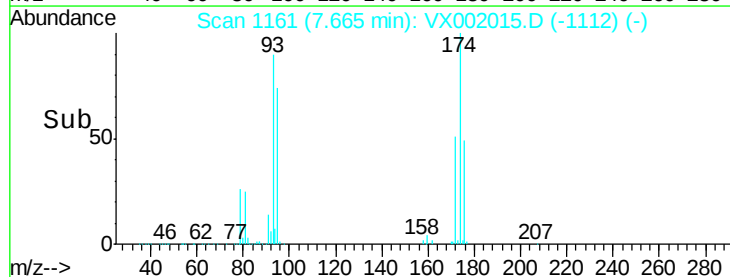
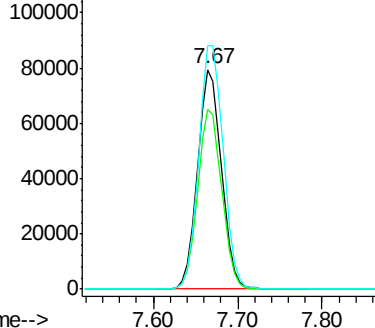
174 113.8 92.5 138.7



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 45.27 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

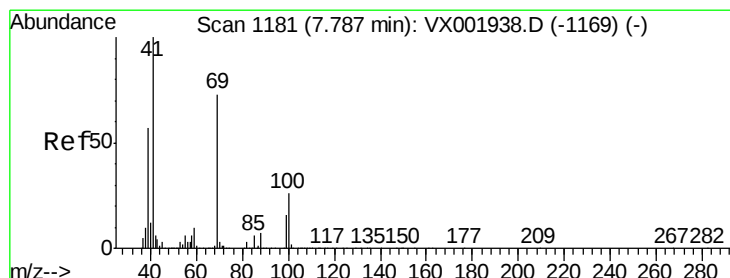
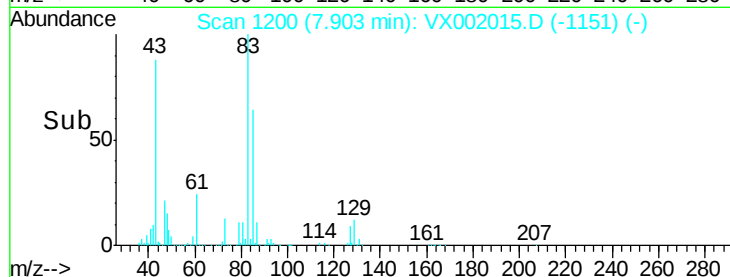
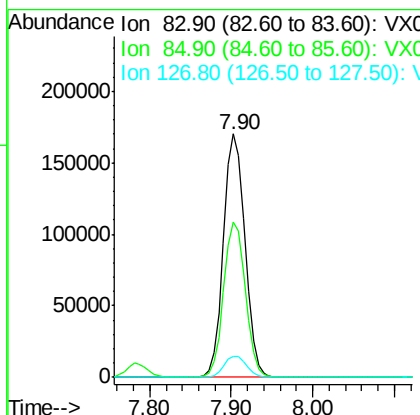
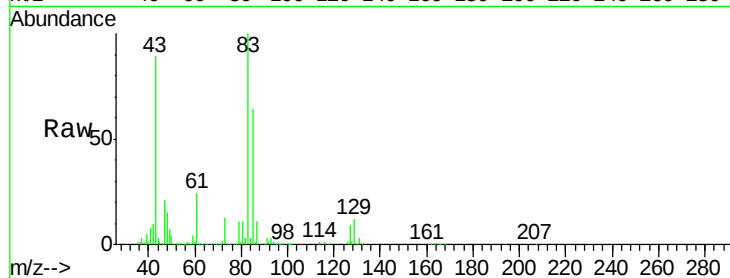
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 310672 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.9  | 51.4  | 77.2   |
| 127       | 8.8   | 7.1   | 10.7   |

Manual Integrations  
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5/30/2018 1:50:05 PM



#48

Methyl methacrylate

Concen: 45.64 ug/l

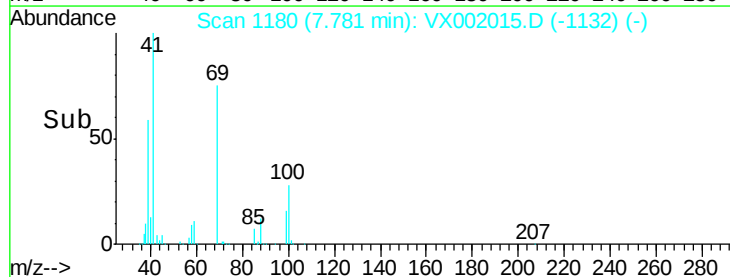
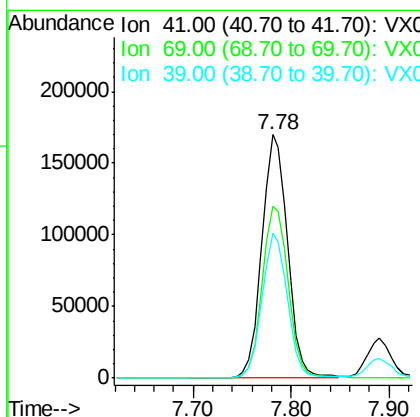
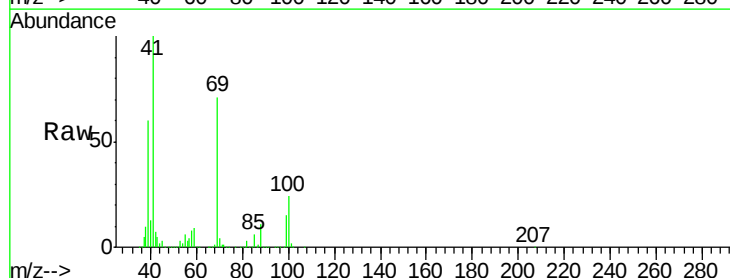
RT: 7.78 min Scan# 1180

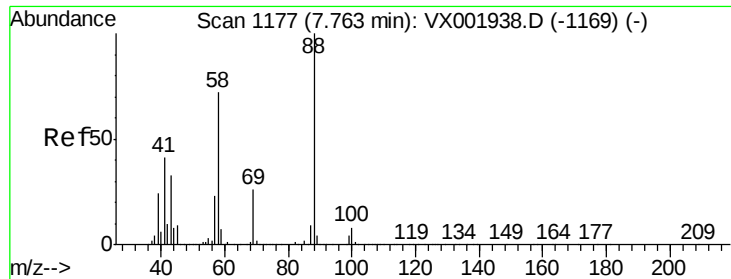
Delta R.T. -0.01 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 308338 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 72.0  | 58.6  | 87.8   |
| 39        | 59.1  | 46.3  | 69.5   |





#49

1,4-Dioxane

Concen: 900.21 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

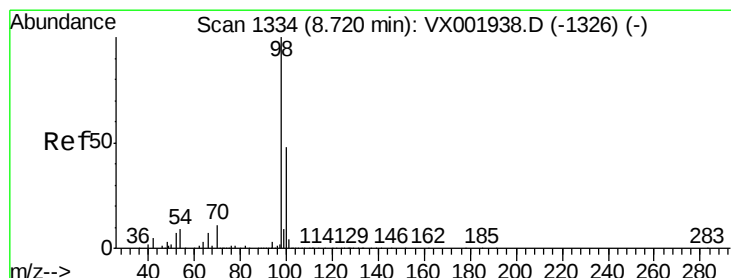
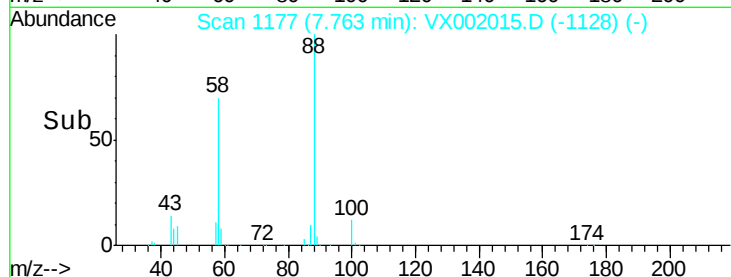
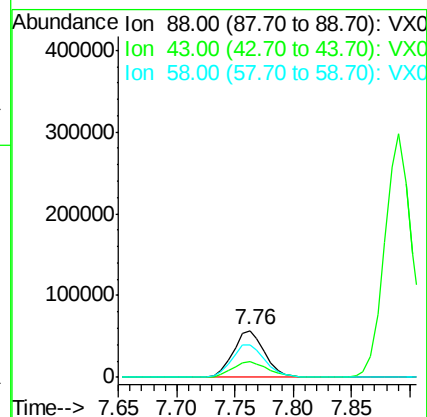
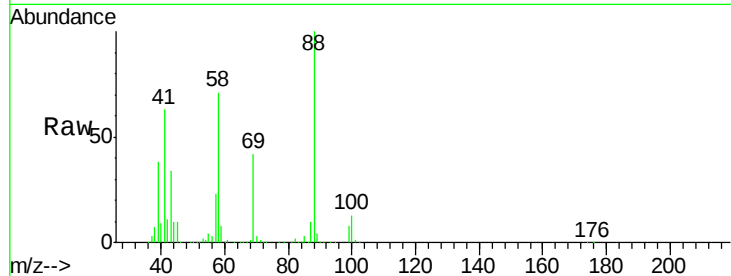
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 88    | Resp: | 107160 |
| Ion Ratio | Lower | Upper |        |
| 88        | 100   |       |        |
| 43        | 38.0  | 29.8  | 44.8   |
| 58        | 73.9  | 58.7  | 88.1   |

Manual Integrations  
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#50

Toluene-d8

Concen: 48.17 ug/l

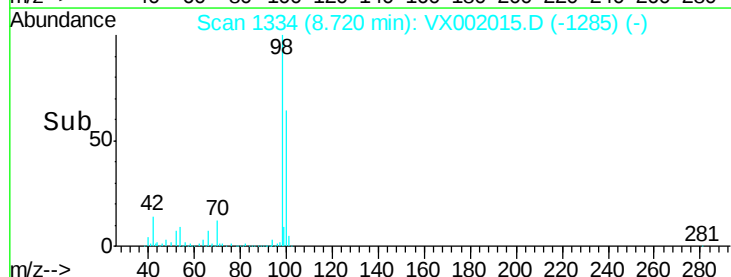
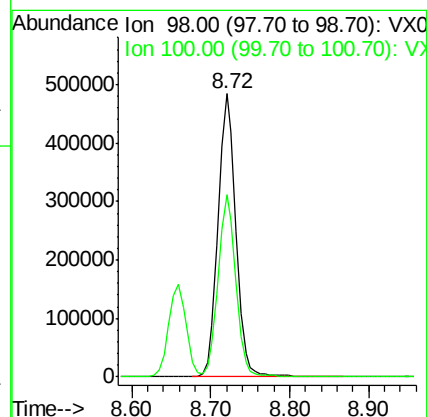
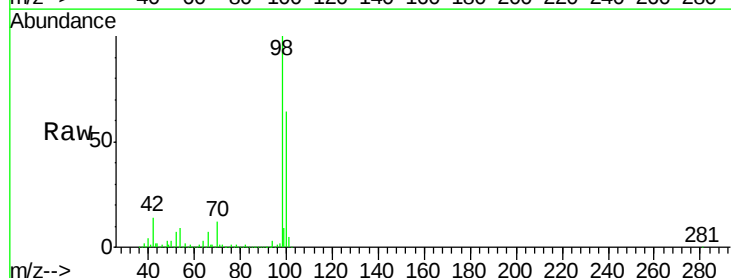
RT: 8.72 min Scan# 1334

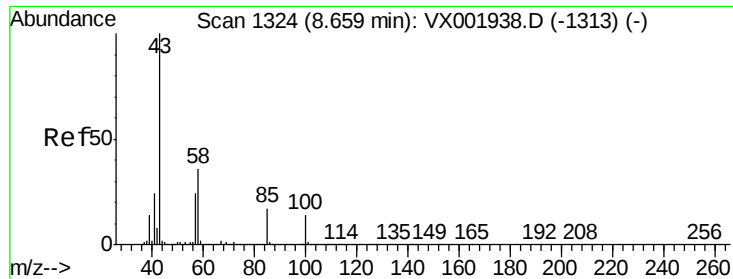
Delta R.T. 0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 766114 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 64.1  | 51.5  | 77.3   |





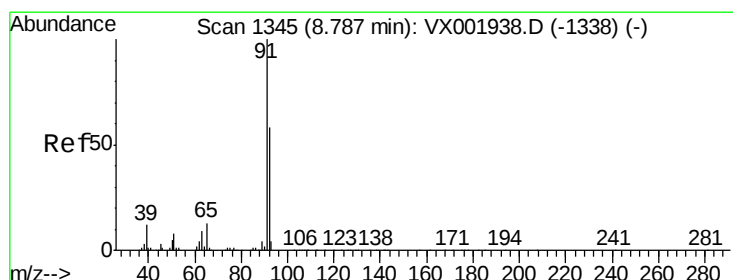
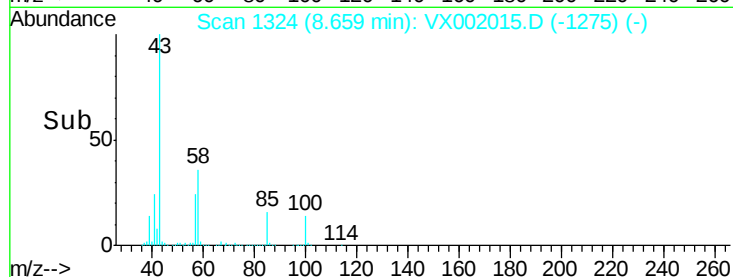
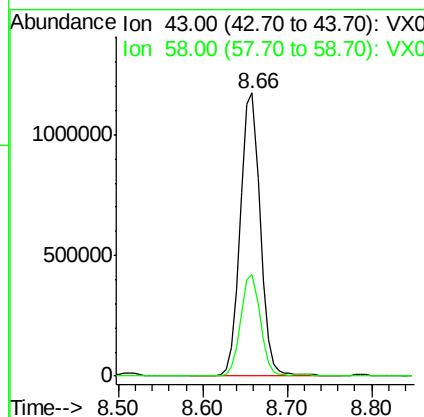
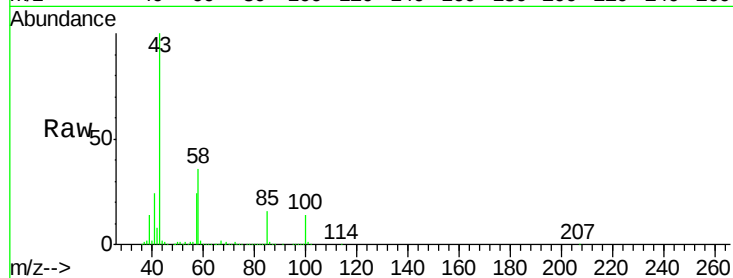
#51  
 4-Methyl-2-Pentanone  
 Concen: 231.93 ug/l  
 RT: 8.66 min Scan# 1324  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 1855684  
 Ion Ratio Lower Upper  
 43 100  
 58 35.3 28.5 42.7

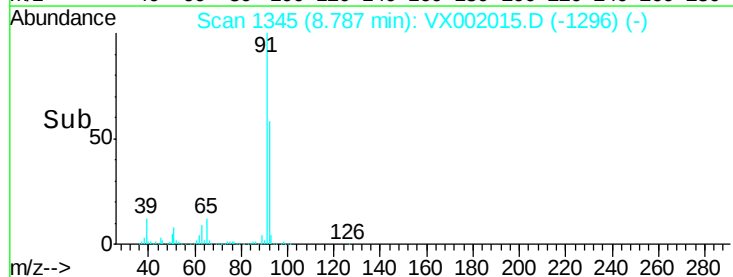
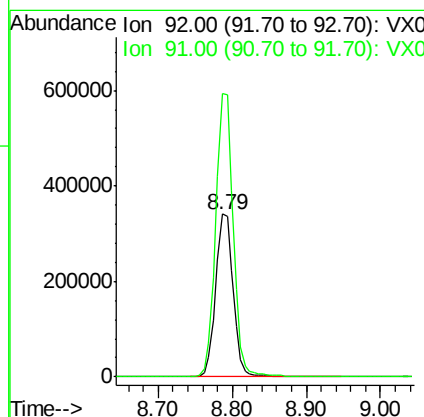
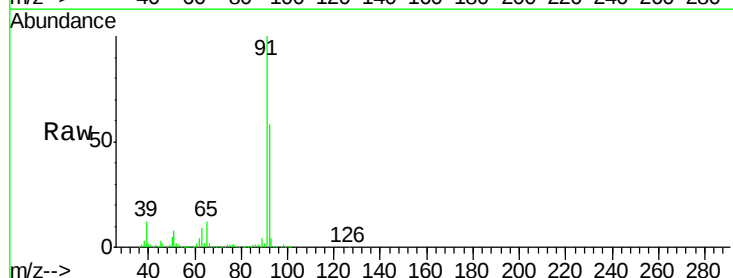
Manual Integrations  
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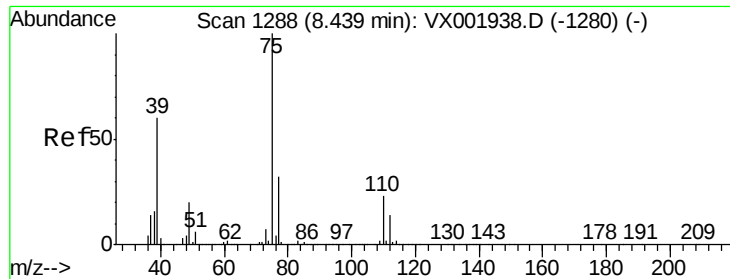
MMDadoda  
 5/30/2018 1:50:05 PM



#52  
 Toluene  
 Concen: 48.36 ug/l  
 RT: 8.79 min Scan# 1345  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Tgt Ion: 92 Resp: 550867  
 Ion Ratio Lower Upper  
 92 100  
 91 173.5 139.4 209.2





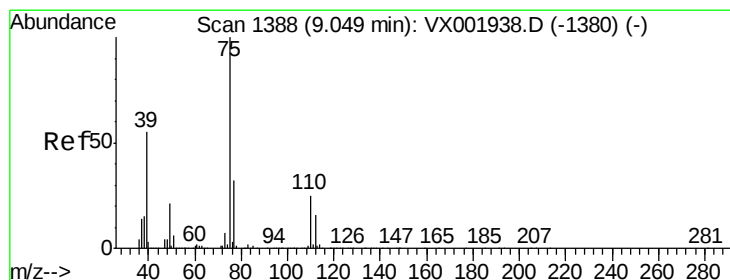
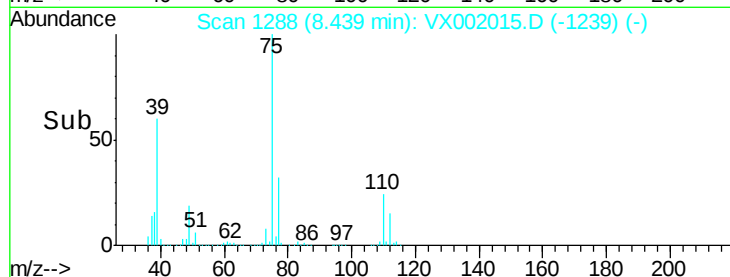
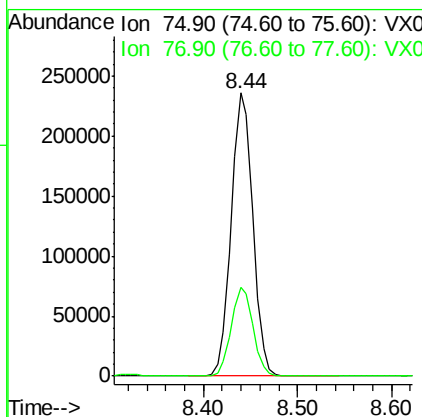
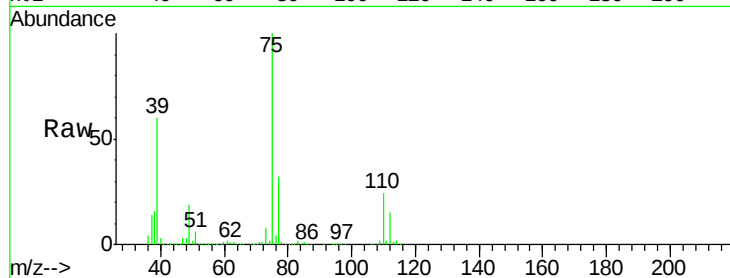
#53  
t-1,3-Dichloropropene  
Concen: 47.44 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.5  | 38.3  |

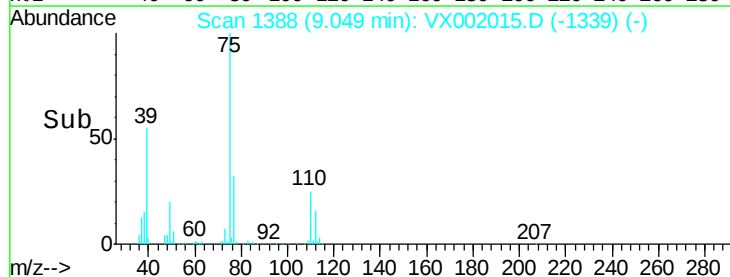
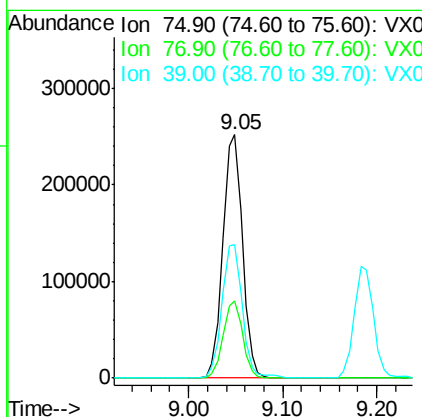
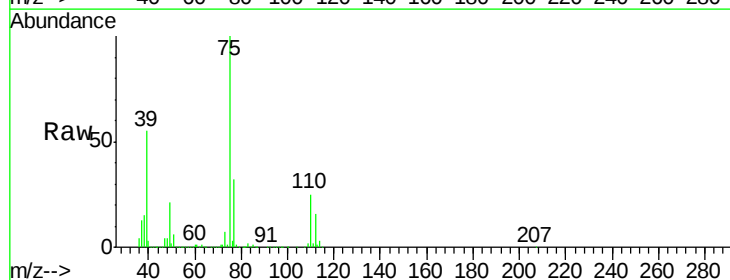
Manual Integrations  
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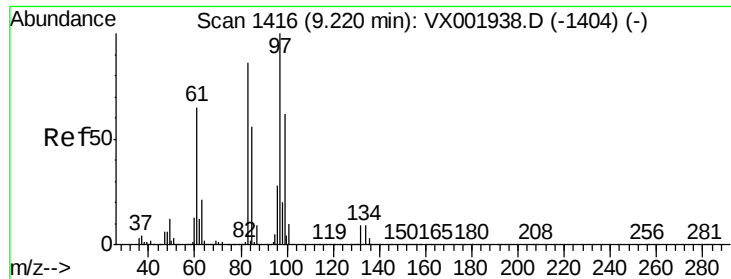
MMDadoda  
5/30/2018 1:50:05 PM



#54  
cis-1,3-Dichloropropene  
Concen: 47.32 ug/l  
RT: 9.05 min Scan# 1388  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 25.4  | 38.0  |
| 39      | 55.0  | 44.1  | 66.1  |





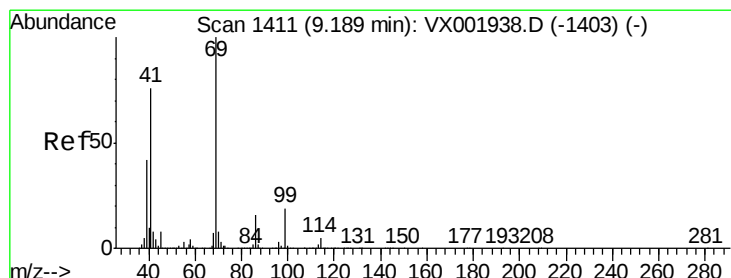
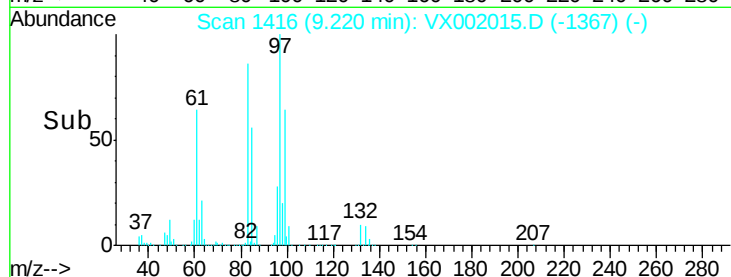
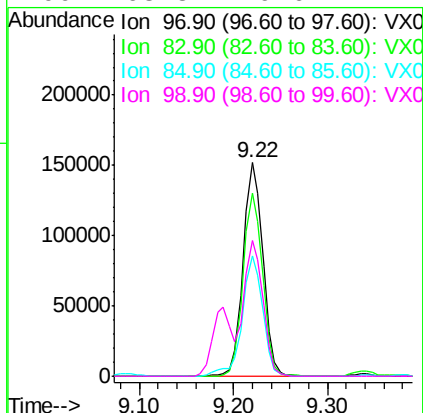
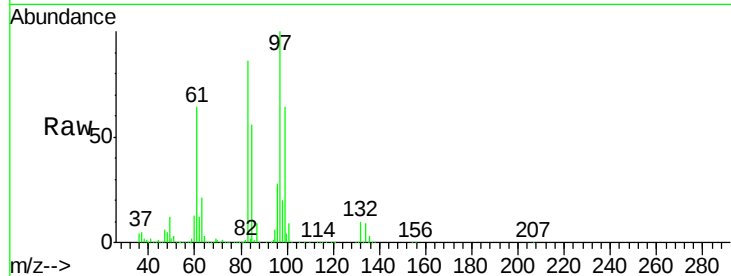
#55  
 1,1,2-Trichloroethane  
 Concen: 46.65 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 222027 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.8  | 69.1  | 103.7  |
| 85       | 56.1  | 45.2  | 67.8   |
| 99       | 63.8  | 49.6  | 74.4   |

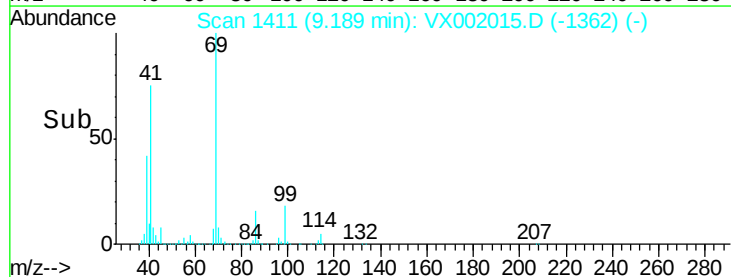
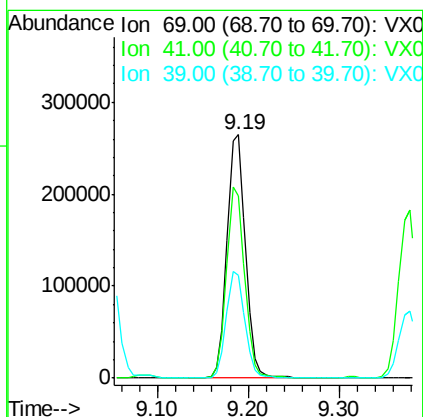
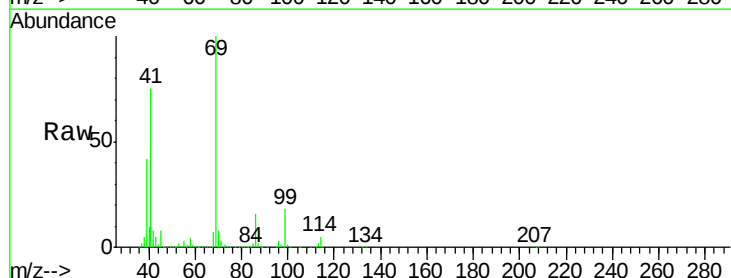
Manual Integrations  
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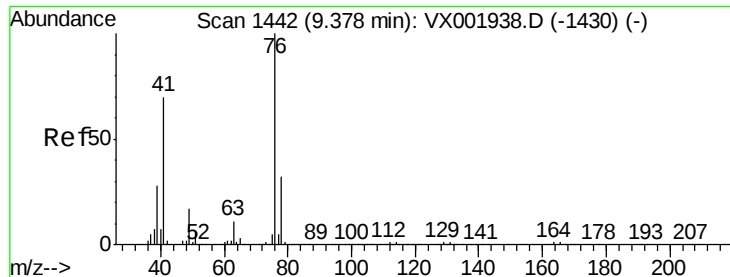
MMDadoda  
 5/30/2018 1:50:05 PM



#56  
 Ethyl methacrylate  
 Concen: 45.81 ug/l  
 RT: 9.19 min Scan# 1411  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 374976 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 77.4  | 61.0  | 91.6   |
| 39       | 43.9  | 34.4  | 51.6   |





#57

1,3-Dichloropropane

Concen: 47.46 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 372076

Ion Ratio Lower Upper

76 100

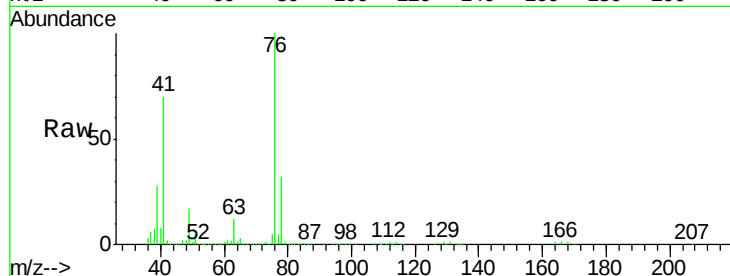
78 32.3 25.6 38.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

250000

200000

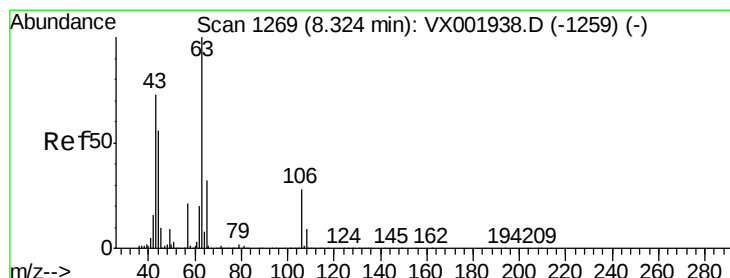
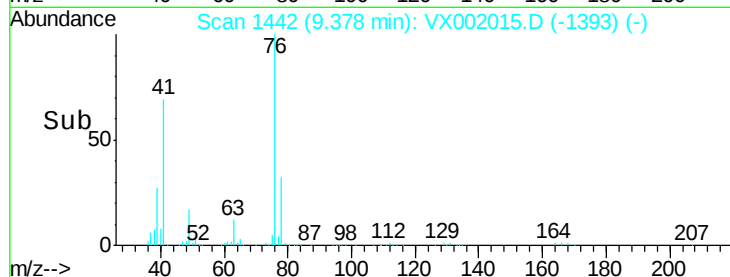
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.67 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002015.D

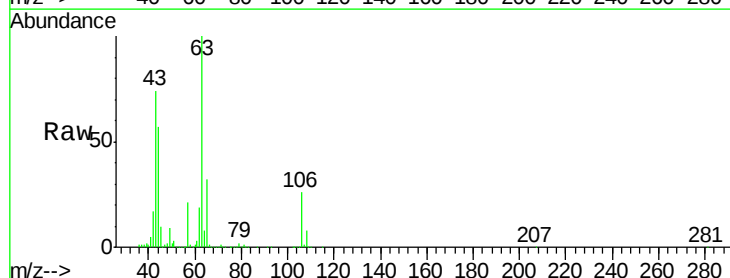
Acq: 26 May 2018 12:58

Tgt Ion: 63 Resp: 873184

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

600000

500000

400000

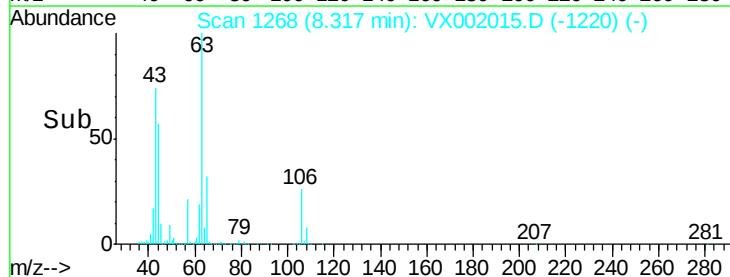
300000

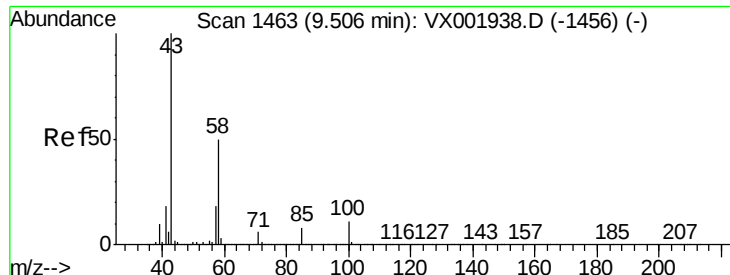
200000

100000

0

Time-->





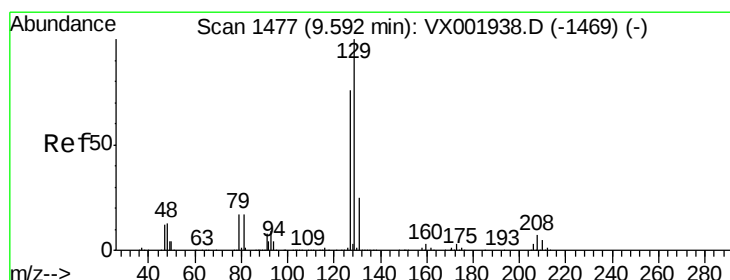
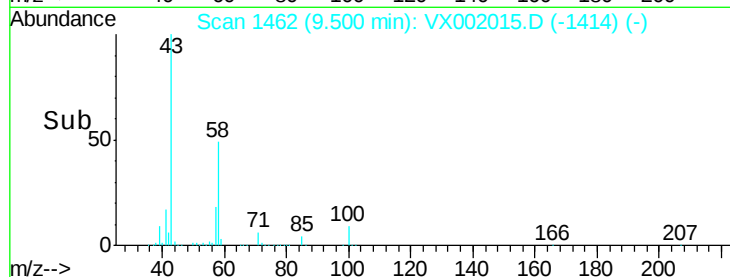
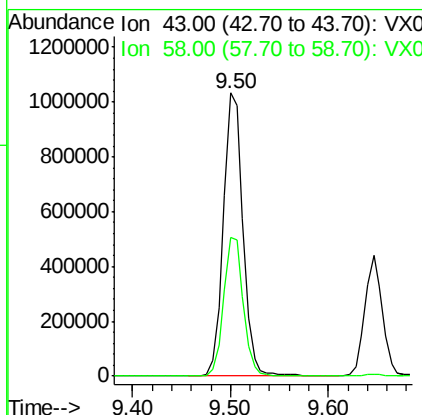
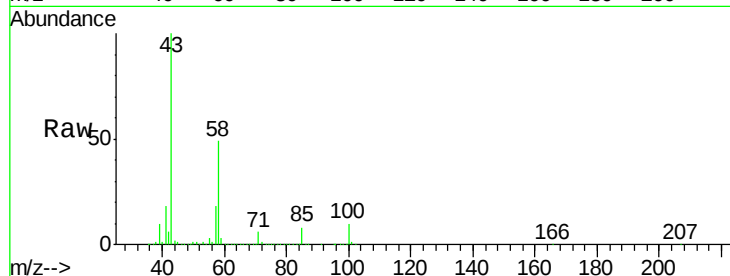
#59  
2-Hexanone  
Concen: 231.99 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. -0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1431201  
Ion Ratio Lower Upper  
43 100  
58 49.3 24.9 74.6

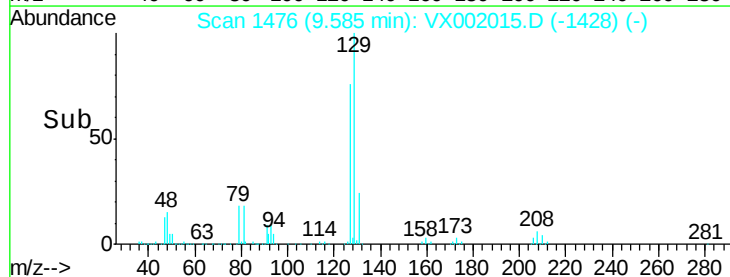
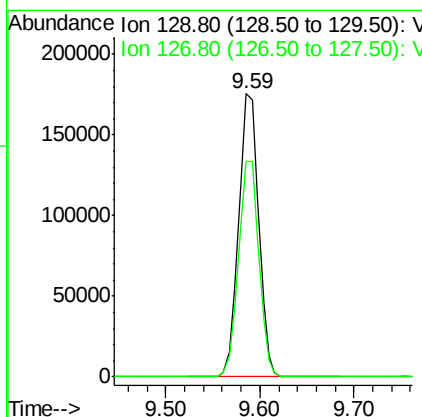
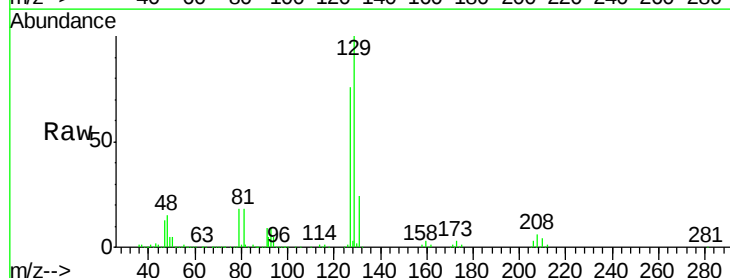
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#60  
Dibromochloromethane  
Concen: 46.32 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. -0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Tgt Ion: 129 Resp: 261094  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.3 114.9





#61

1,2-Dibromoethane

Concen: 47.57 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 237557

Ion Ratio Lower Upper

107 100

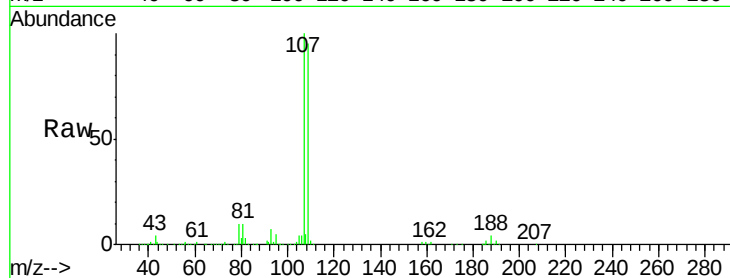
109 93.4 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

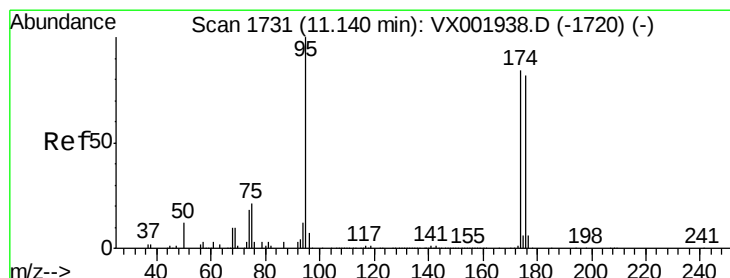
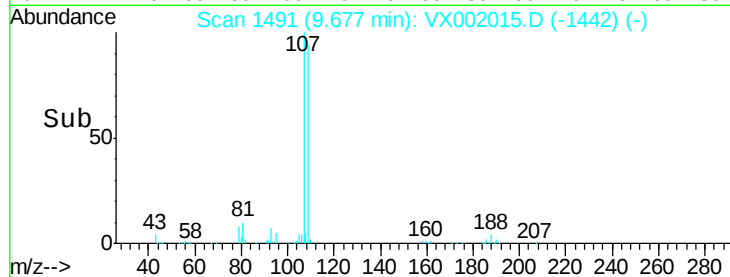
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

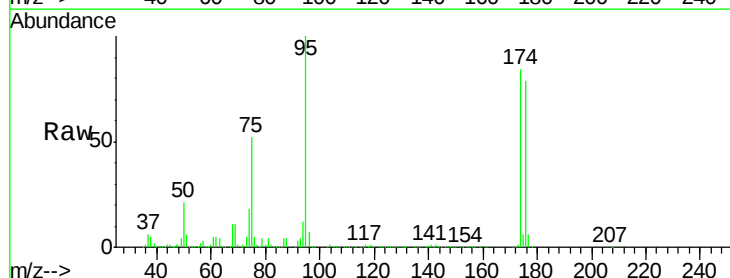
Tgt Ion: 95 Resp: 308203

Ion Ratio Lower Upper

95 100

174 90.6 0.0 178.8

176 87.2 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

300000

250000

200000

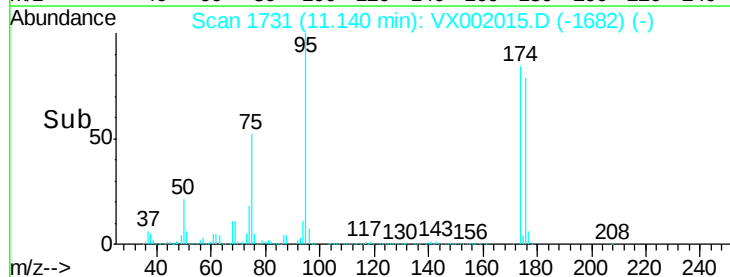
150000

100000

50000

0

Time-->





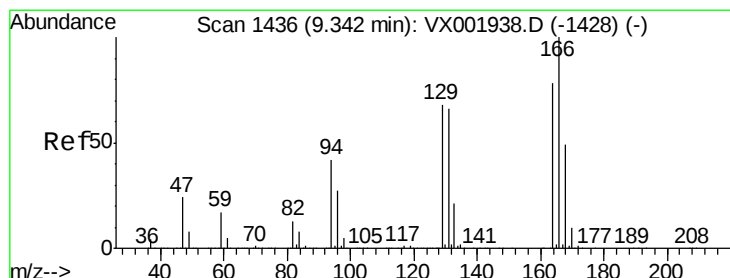
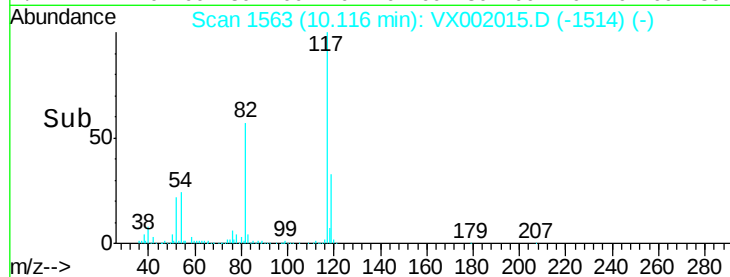
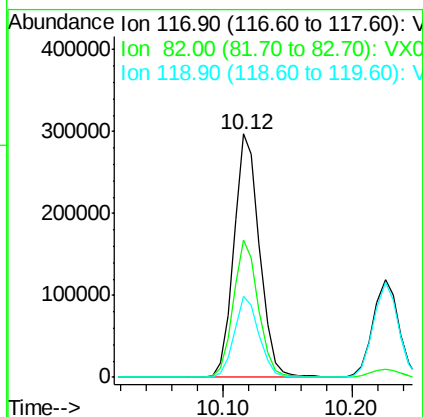
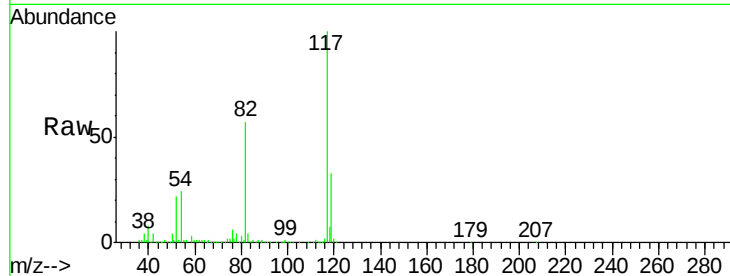
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 409977 |       |       |
| 82      | 56.5  |        | 44.8  | 67.2  |
| 119     | 33.2  |        | 25.5  | 38.3  |

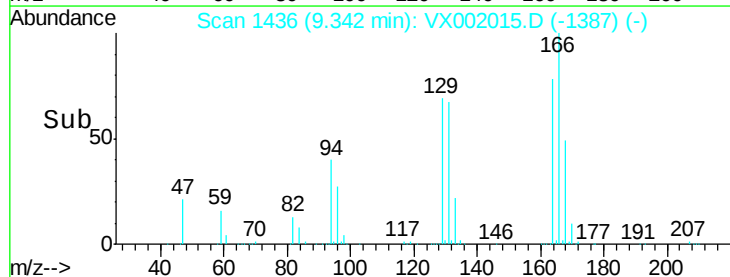
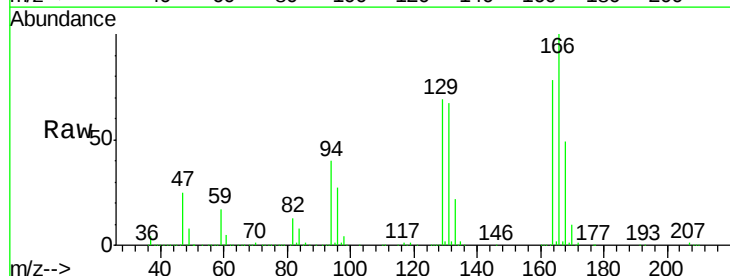
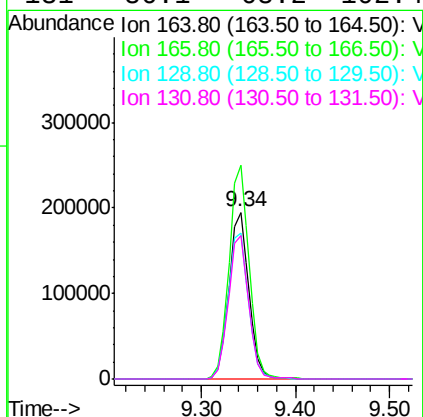
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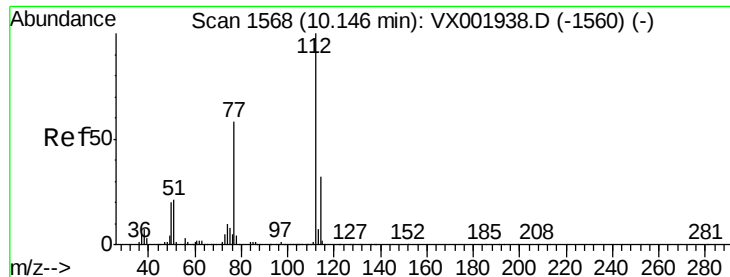
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 48.88 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 287324 |       |       |
| 166     | 128.3 |        | 102.7 | 154.1 |
| 129     | 88.0  |        | 70.3  | 105.5 |
| 131     | 86.1  |        | 68.2  | 102.4 |





#65

Chlorobenzene

Concen: 48.09 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 624646

Ion Ratio Lower Upper

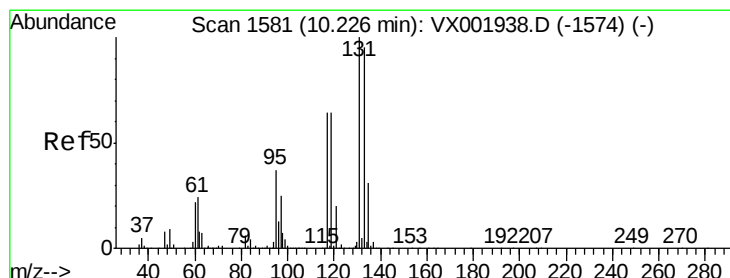
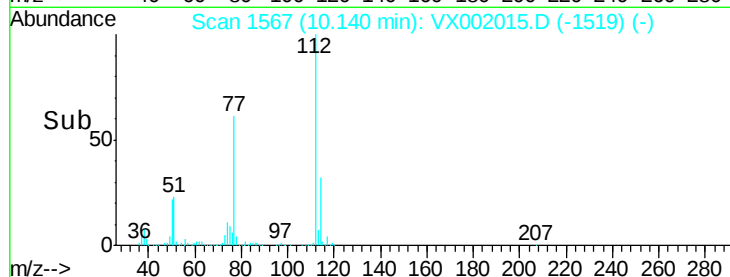
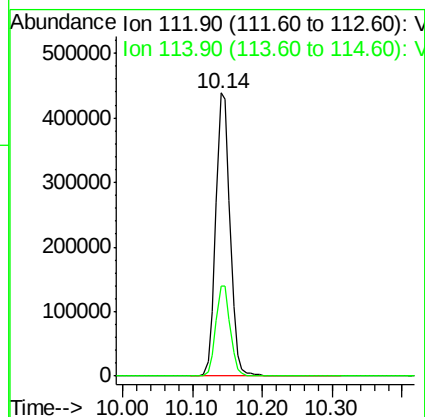
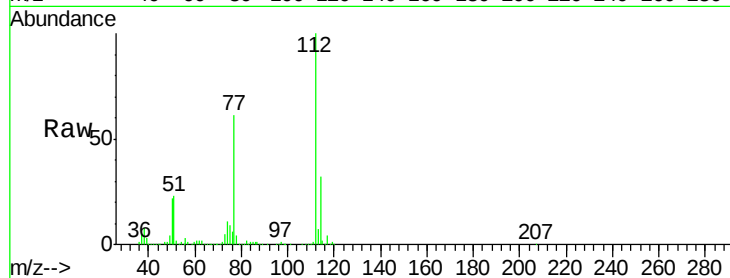
112 100

114 31.7 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 46.30 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

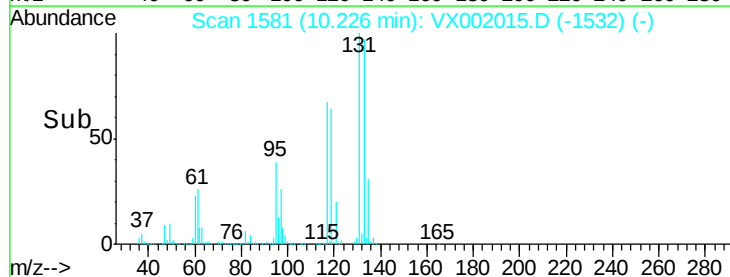
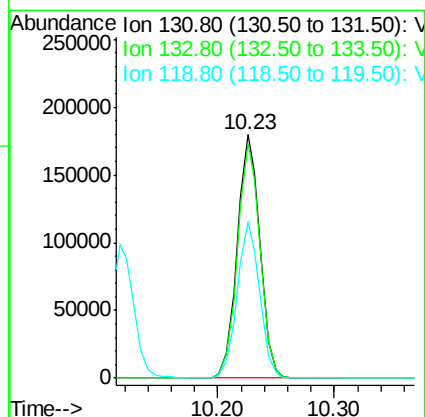
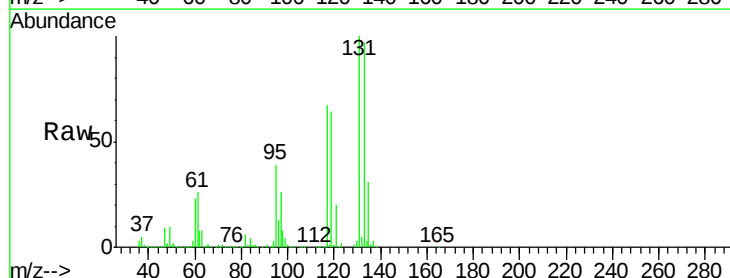
Tgt Ion:131 Resp: 242828

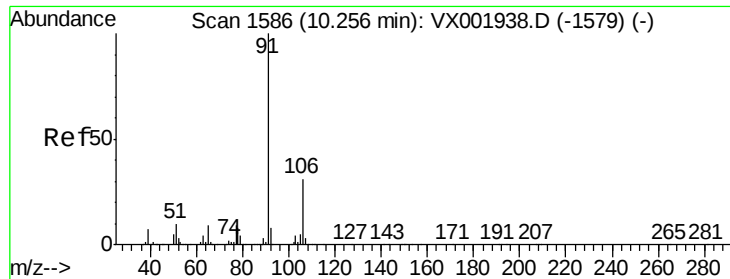
Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.0

119 63.4 31.9 95.5





#67

Ethyl Benzene

Concen: 49.02 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1106384

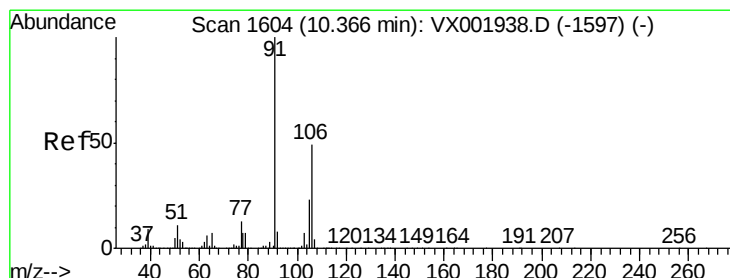
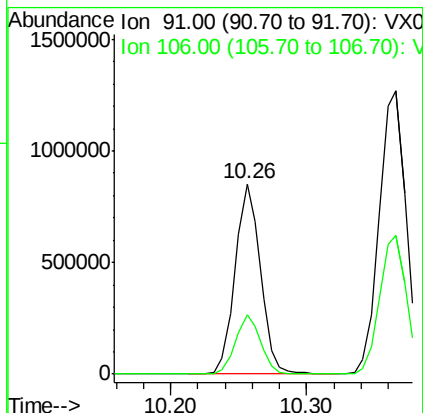
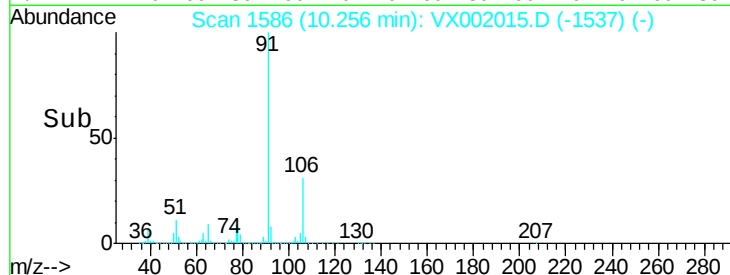
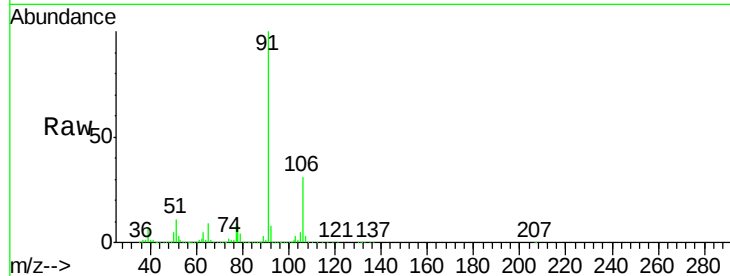
Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.6

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5/30/2018 1:50:05 PM



#68

m/p-Xylenes

Concen: 98.83 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002015.D

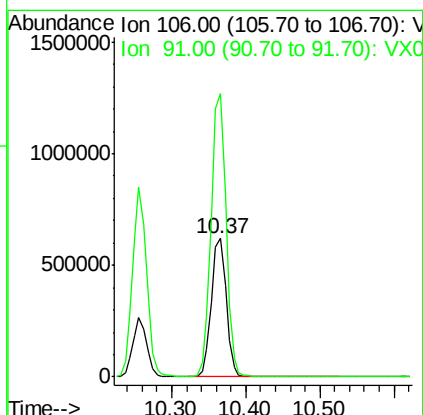
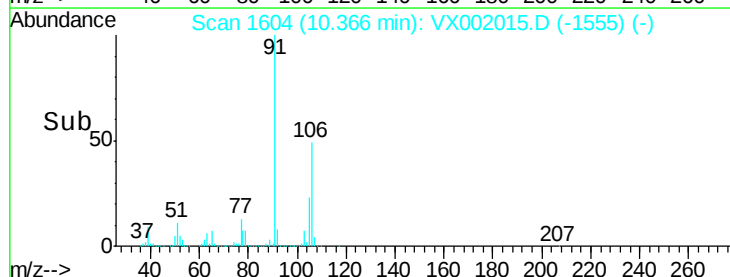
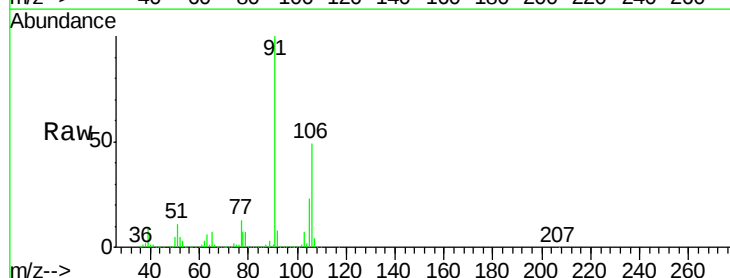
Acq: 26 May 2018 12:58

Tgt Ion: 106 Resp: 852565

Ion Ratio Lower Upper

106 100

91 205.4 165.0 247.6





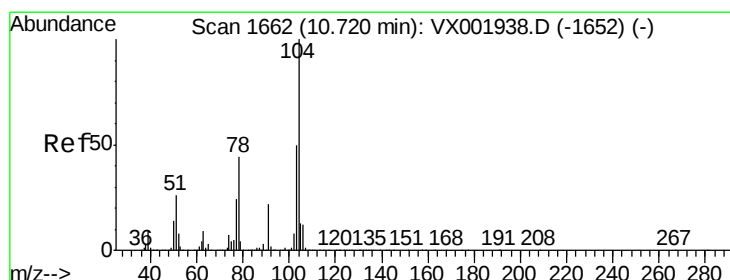
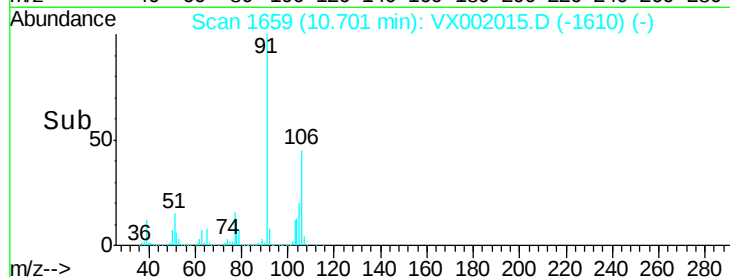
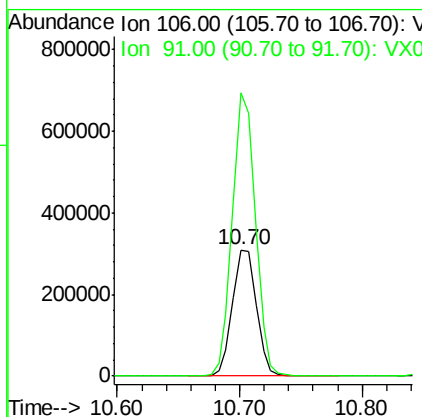
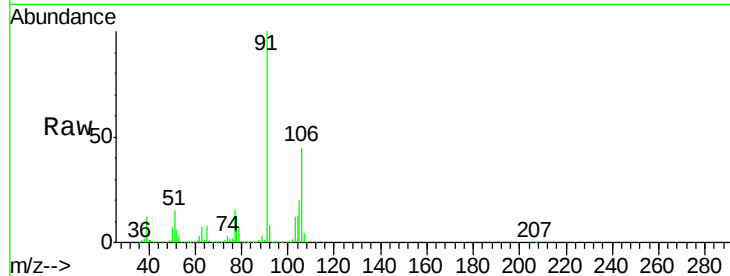
#69  
o-Xylene  
Concen: 48.45 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 217.0 | 108.7 | 325.9 |

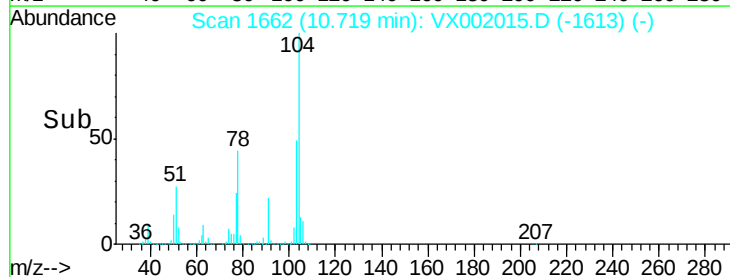
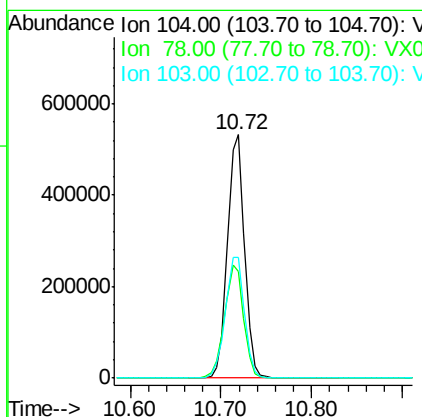
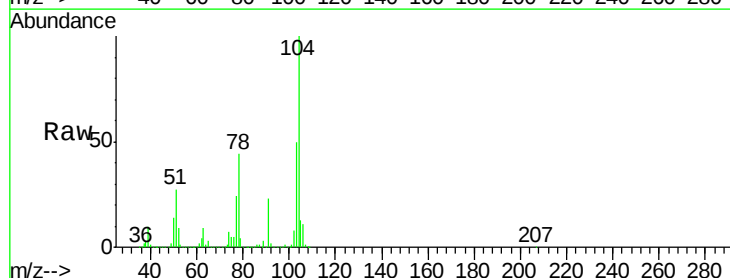
Manual Integrations  
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#70  
Styrene  
Concen: 48.85 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 52.2  | 41.8  | 62.6  |
| 103     | 55.8  | 44.6  | 67.0  |





#71

Bromoform

Concen: 44.65 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

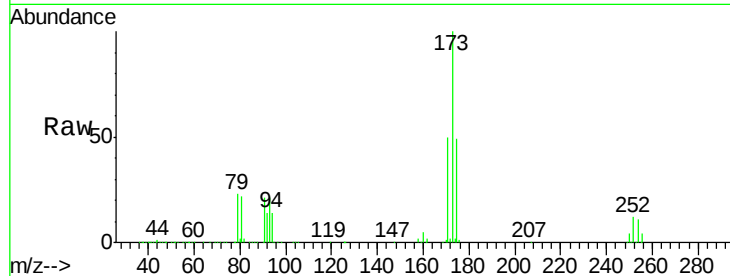
ClientSampleId :

VSTDCCC050

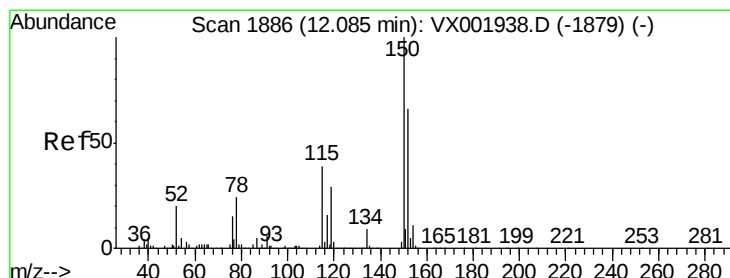
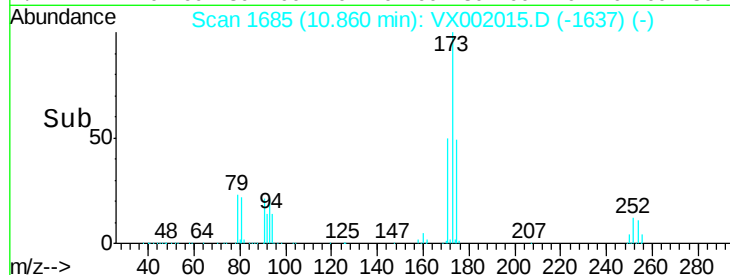
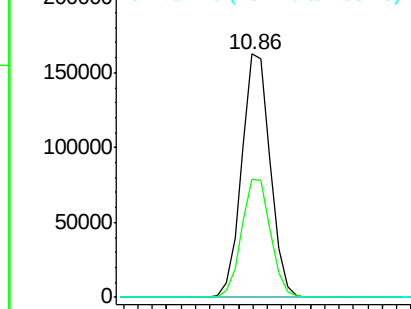
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 173     | 100   | 222049 |       |       |
| 175     | 49.2  | 24.3   | 72.9  |       |
| 254     | 0.2   | 0.1    | 0.1#  |       |

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

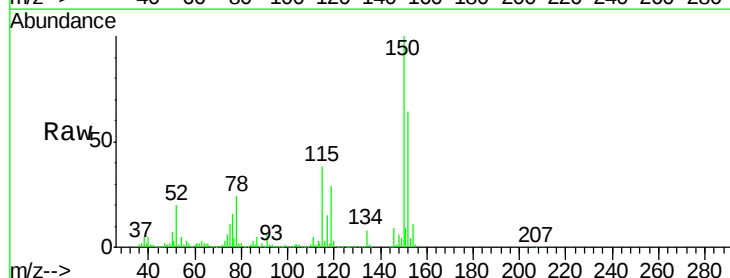
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

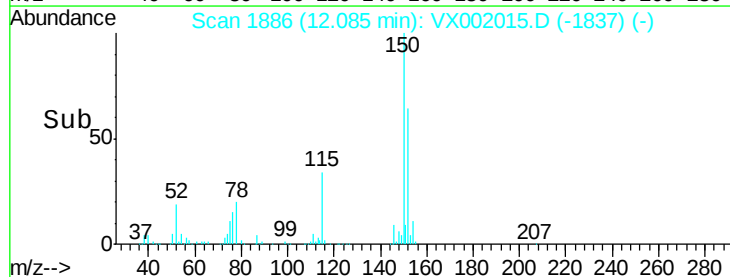
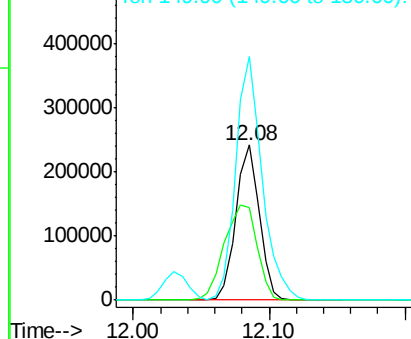
Lab File: VX002015.D

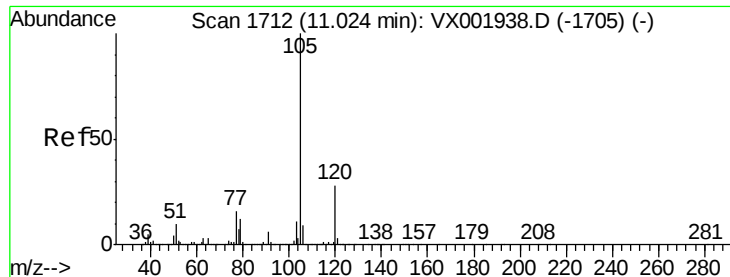
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 290870 |       |       |
| 115     | 85.1  | 42.3   | 126.8 |       |
| 150     | 176.9 | 0.0    | 351.0 |       |



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





#73

Isopropylbenzene

Concen: 46.27 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1139602

Ion Ratio Lower Upper

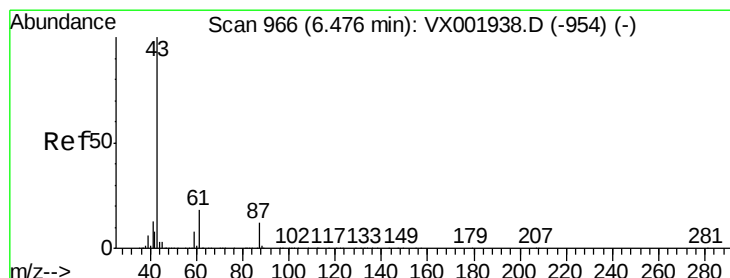
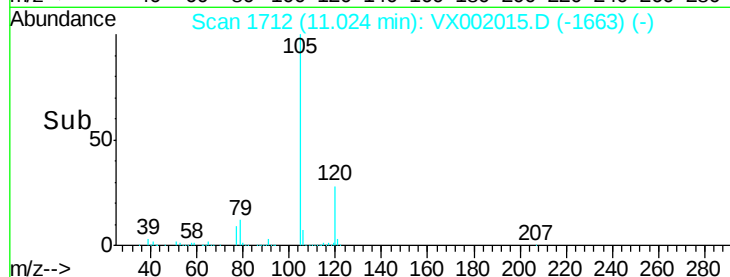
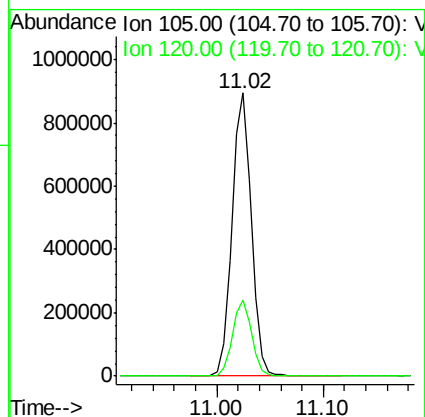
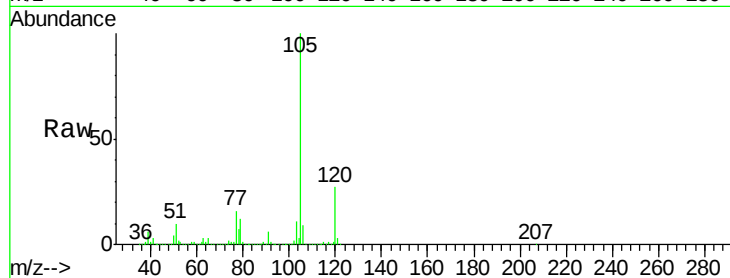
105 100

120 26.6 13.6 40.7

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5/30/2018 1:50:05 PM



#74

N-ethyl acetate

Concen: 47.65 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Tgt Ion: 43 Resp: 610710

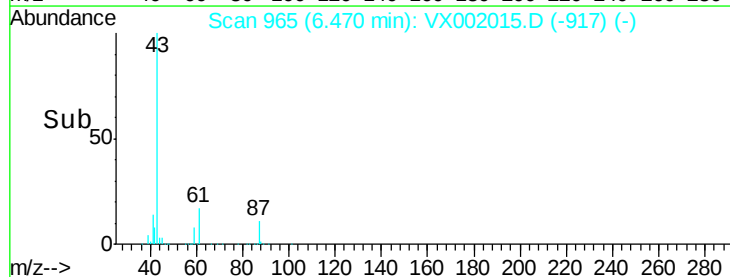
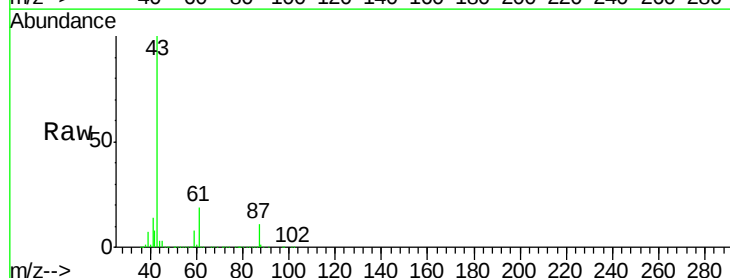
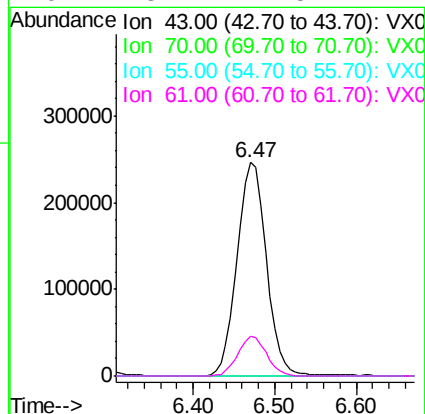
Ion Ratio Lower Upper

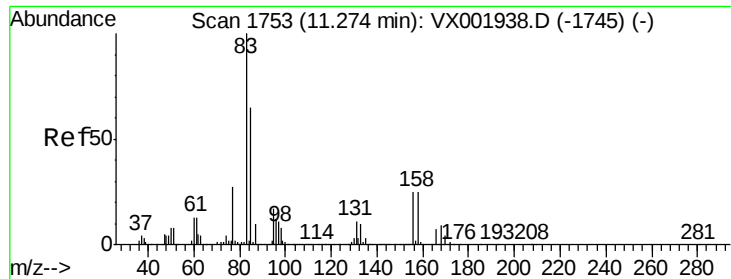
43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 18.2 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.55 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

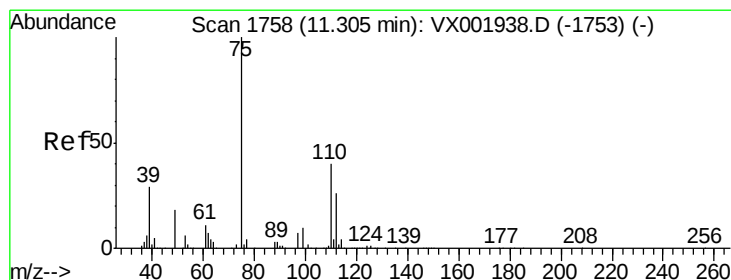
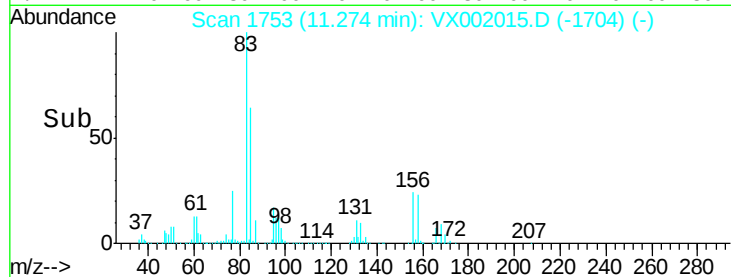
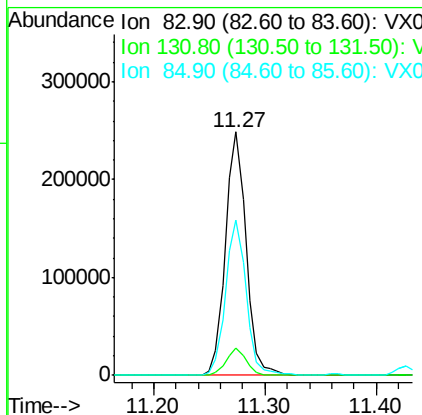
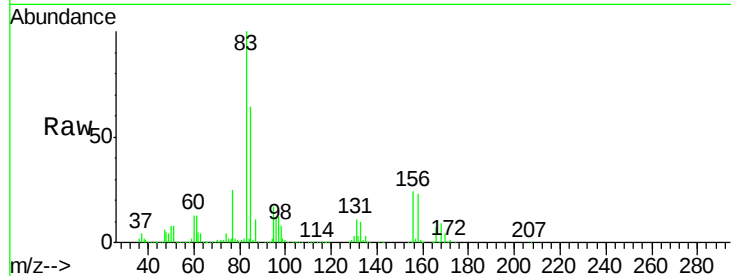
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 320718 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.8  | 5.7   | 17.0   |
| 85        | 63.9  | 32.6  | 97.7   |

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#76

1,2,3-Trichloropropane

Concen: 50.38 ug/l m

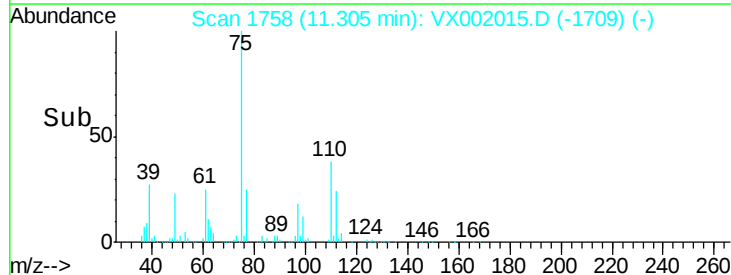
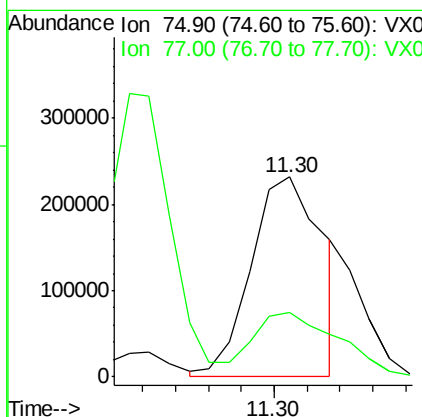
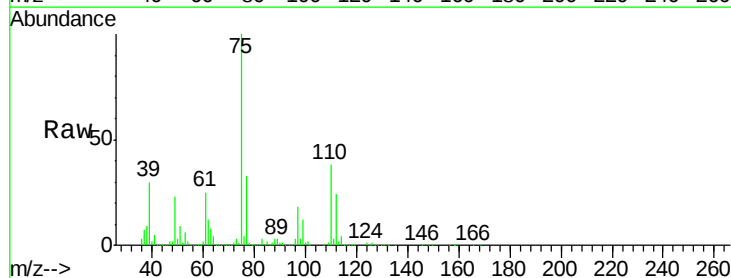
RT: 11.30 min Scan# 1758

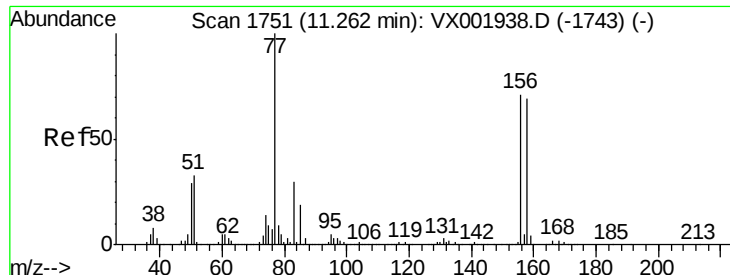
Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 351985 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 38.1  | 22.8  | 68.3   |





#77

Bromobenzene

Concen: 45.70 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 298630

Ion Ratio Lower Upper

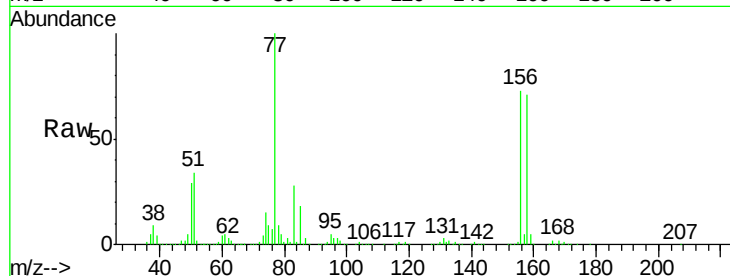
156 100

77 147.9 75.2 225.6

158 97.7 48.6 145.8

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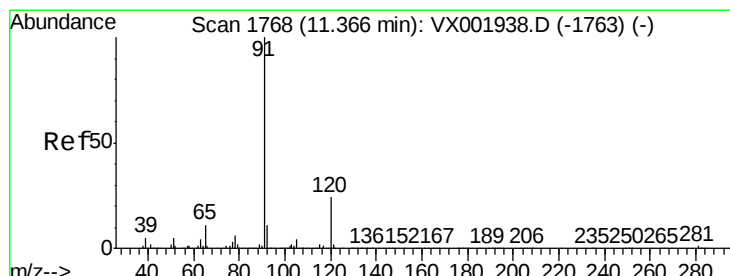
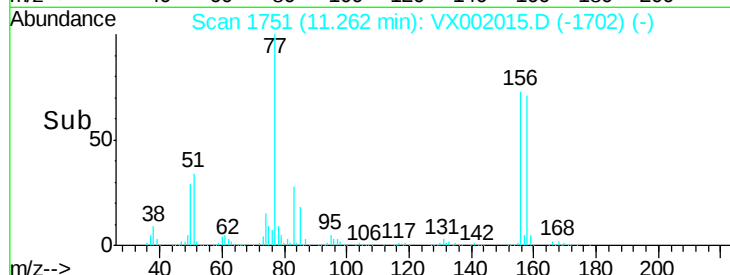
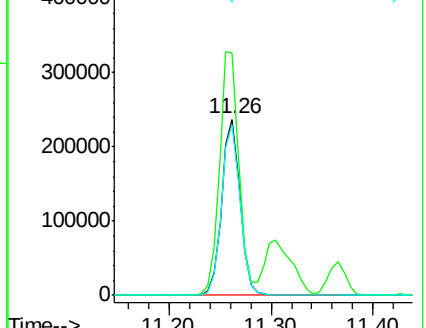
MMDadoda  
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.59 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002015.D

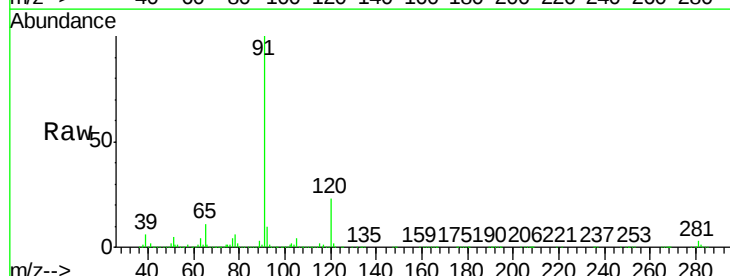
Acq: 26 May 2018 12:58

Tgt Ion: 91 Resp: 1312746

Ion Ratio Lower Upper

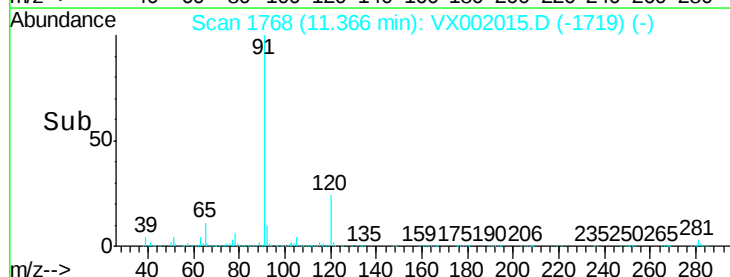
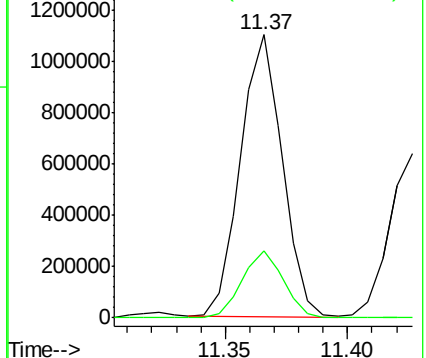
91 100

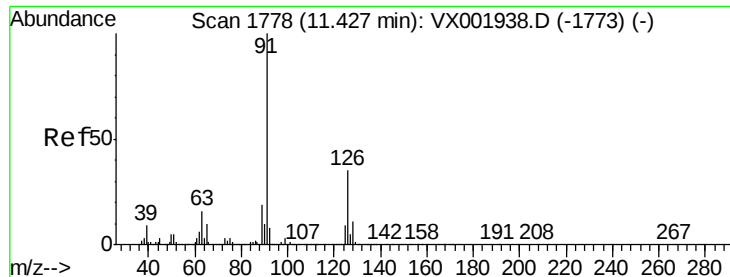
120 23.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.10 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 772508

Ion Ratio Lower Upper

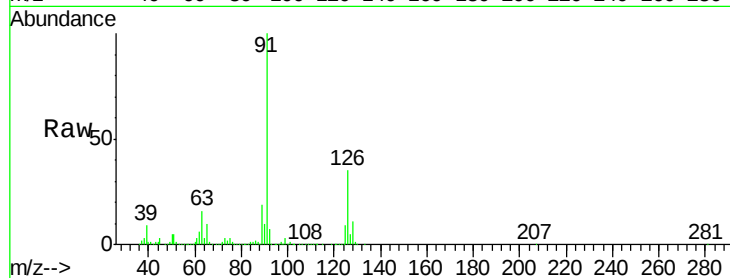
91 100

126 34.8 17.4 52.2

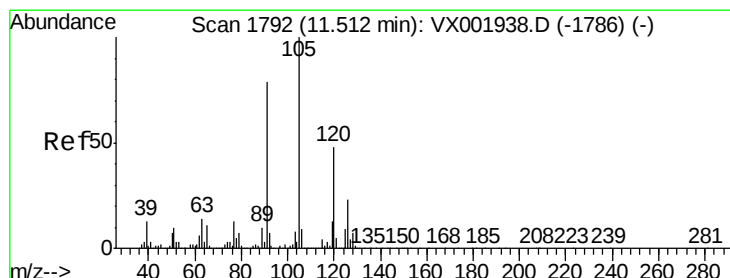
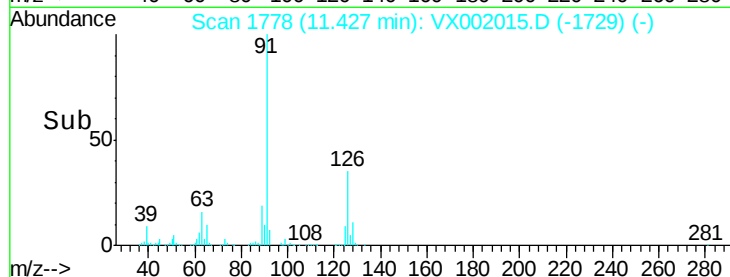
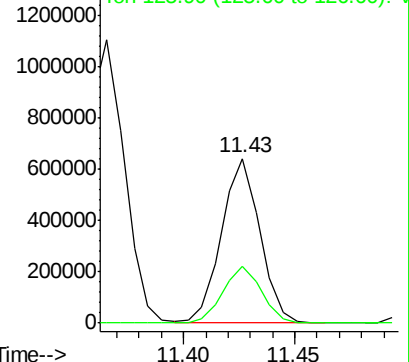
Manual Integrations  
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Abundance Ion 91.00 (90.70 to 91.70): VX001938.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.78 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002015.D

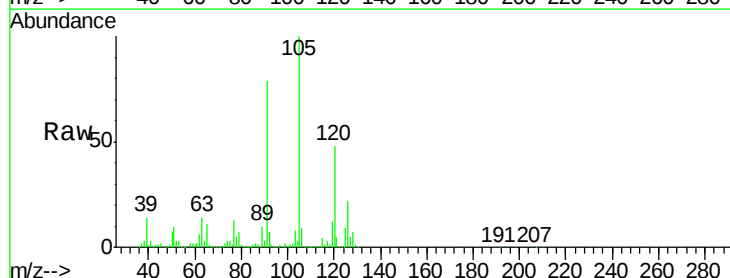
Acq: 26 May 2018 12:58

Tgt Ion: 105 Resp: 984701

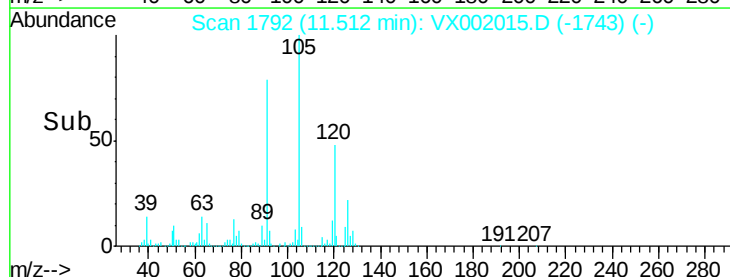
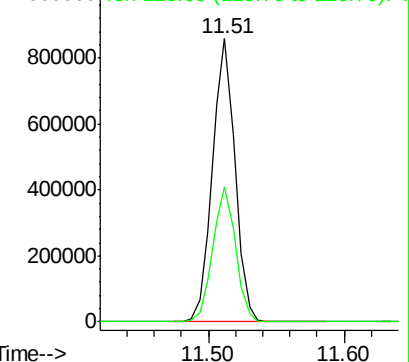
Ion Ratio Lower Upper

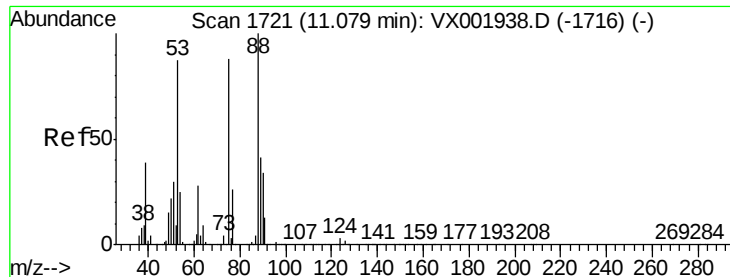
105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX001938.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 40.77 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

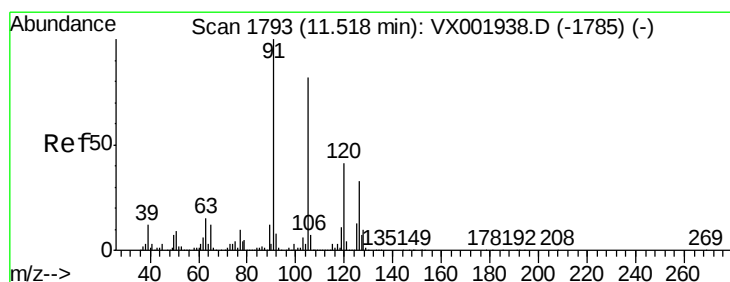
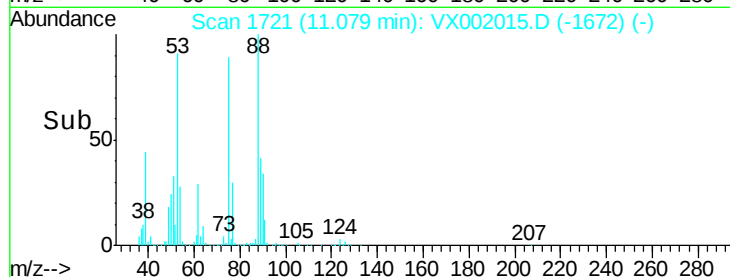
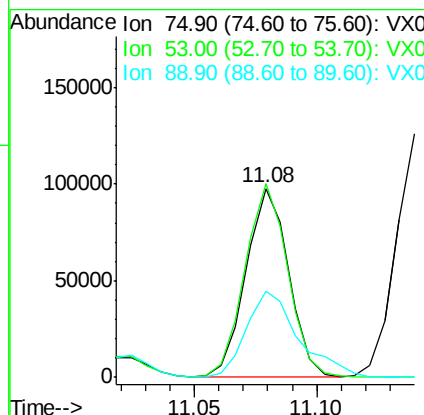
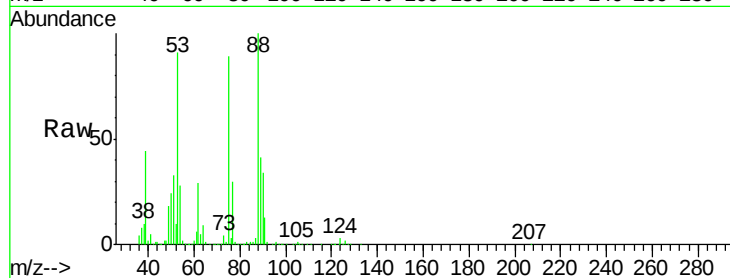
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 75    | Resp: | 118502 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 53        | 103.3 | 78.0  | 117.0  |
| 89        | 56.3  | 39.4  | 59.2   |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 47.22 ug/l

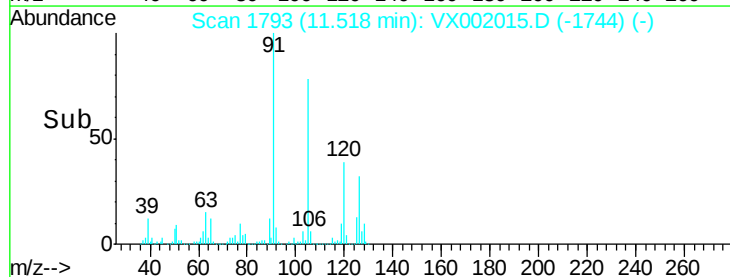
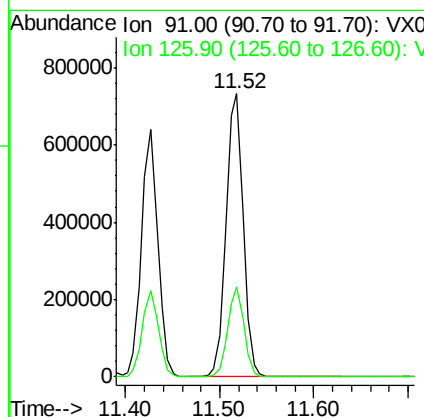
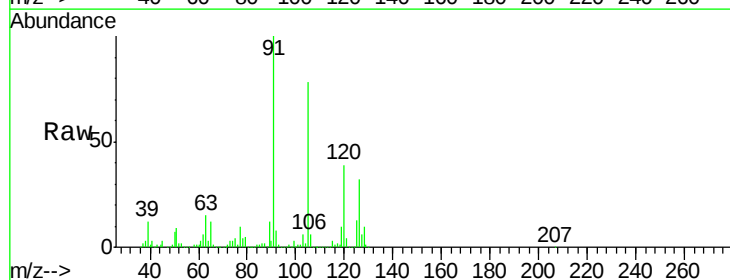
RT: 11.52 min Scan# 1793

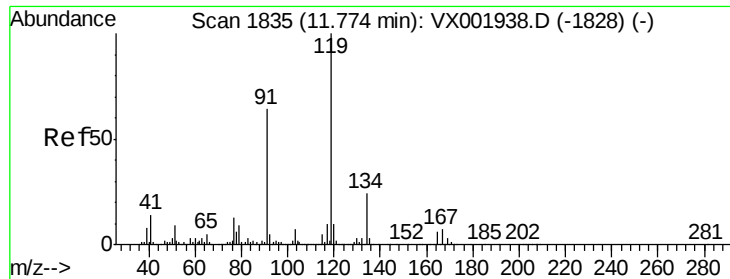
Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 918796 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 126       | 30.2  | 15.3  | 45.8   |





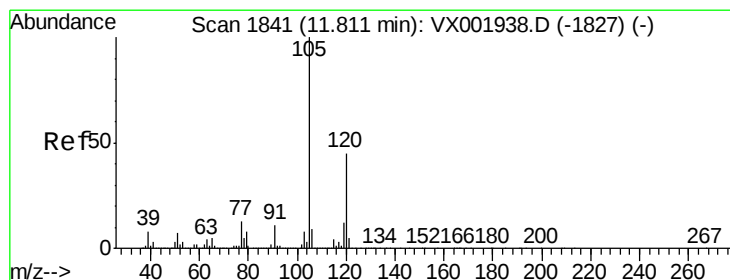
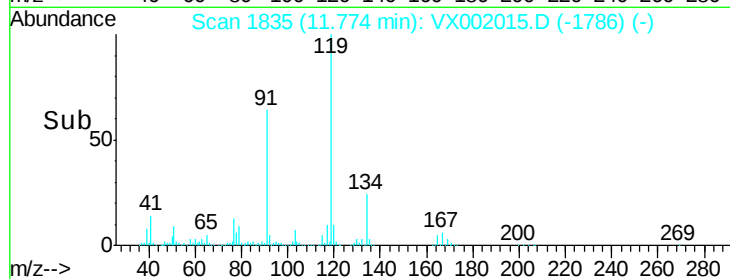
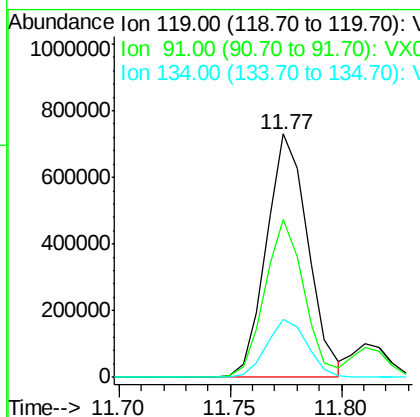
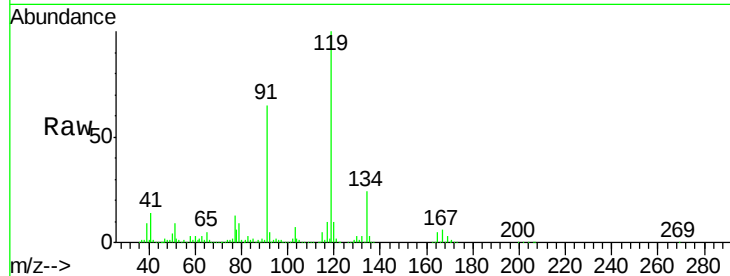
#83  
 tert-Butylbenzene  
 Concen: 45.73 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 61.5  | 30.6  | 91.8  |
| 134     | 23.5  | 11.7  | 35.0  |

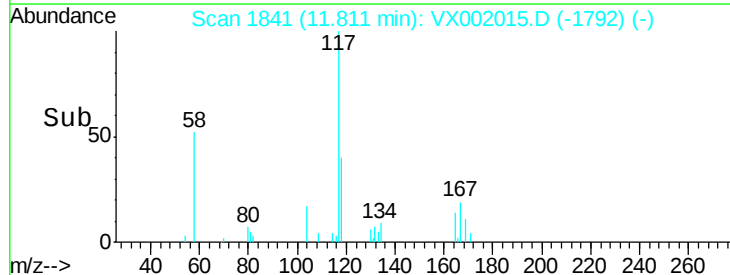
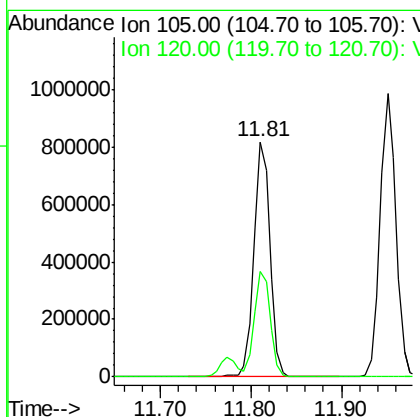
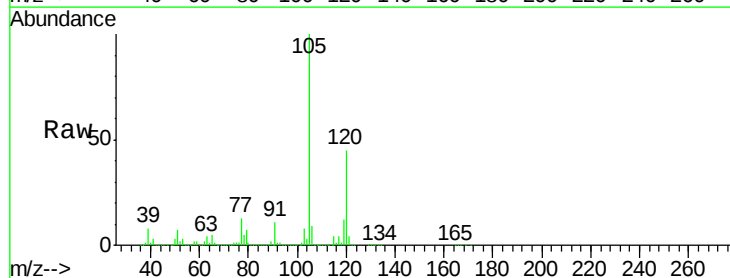
Manual Integrations  
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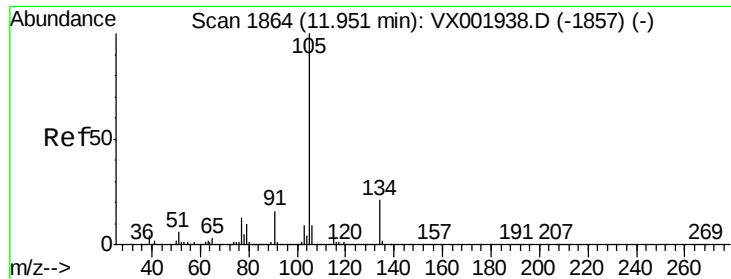
MMDadoda  
 5/30/2018 1:50:05 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 46.22 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.5  | 22.1  | 66.5  |





#85

sec-Butylbenzene

Concen: 47.91 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1189538

Ion Ratio Lower Upper

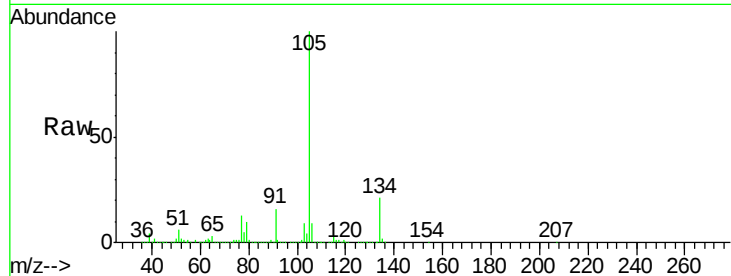
105 100

134 20.8 10.4 31.4

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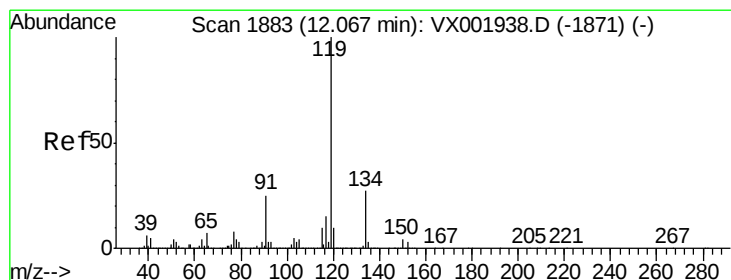
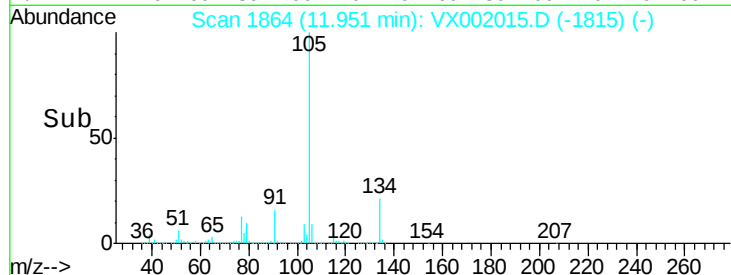
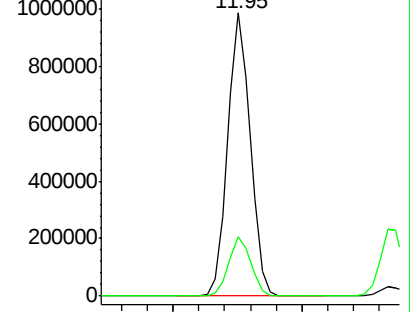
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.52 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

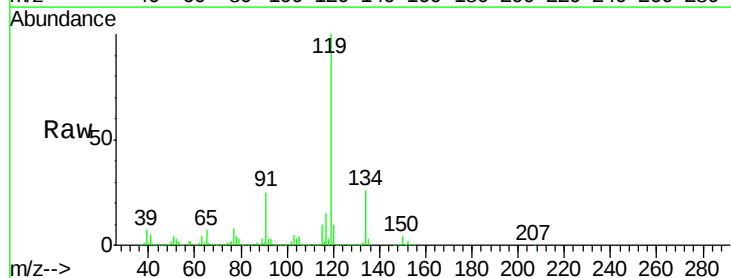
Tgt Ion:119 Resp: 1077992

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

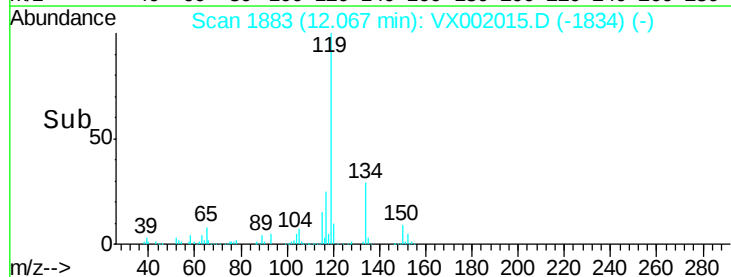
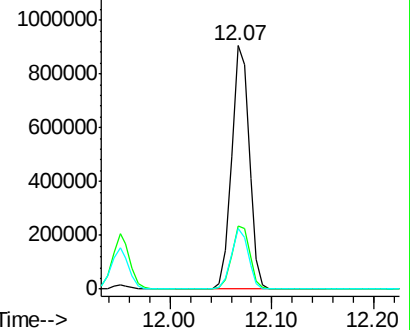
91 24.2 12.2 36.4

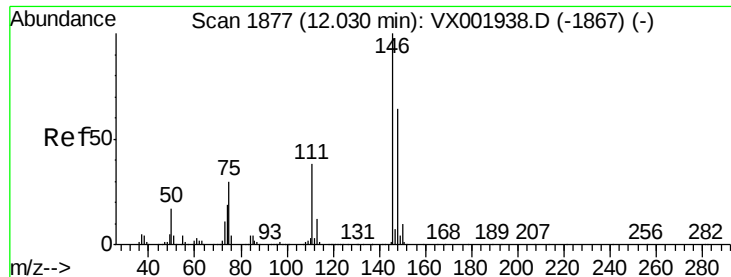


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





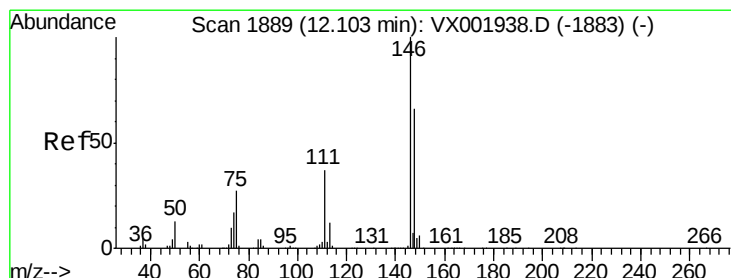
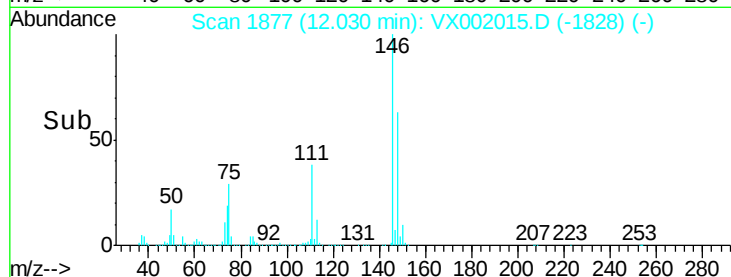
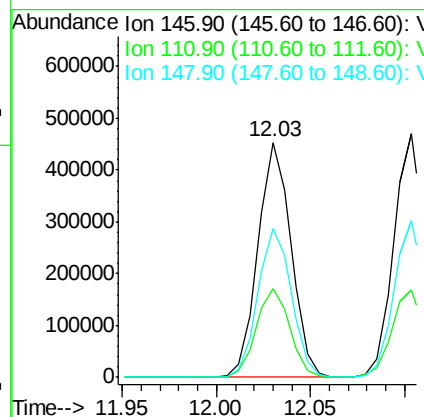
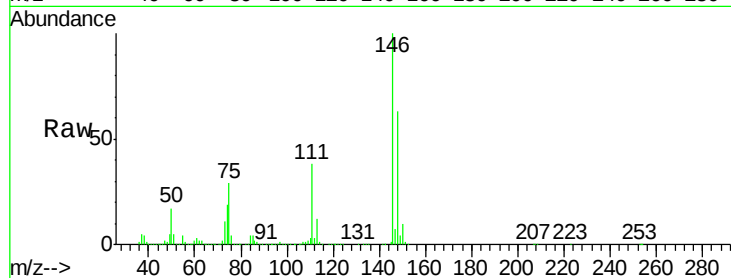
#87  
 1,3-Dichlorobenzene  
 Concen: 47.26 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 19.3  | 57.8  |
| 148     | 64.1  | 32.1  | 96.3  |

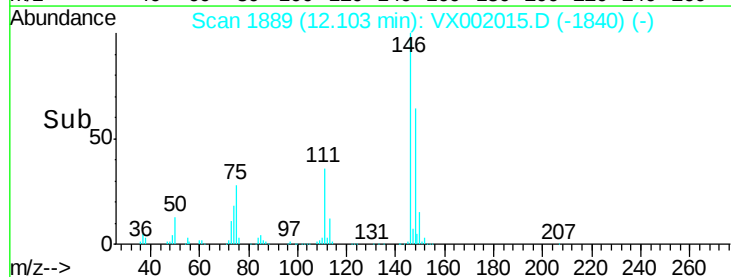
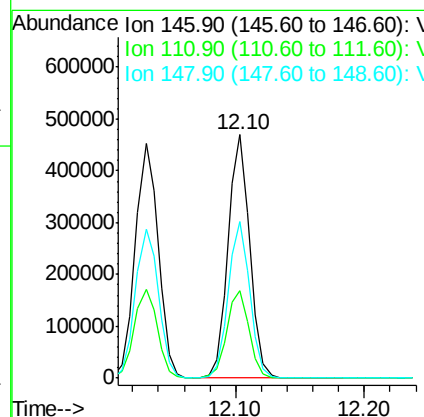
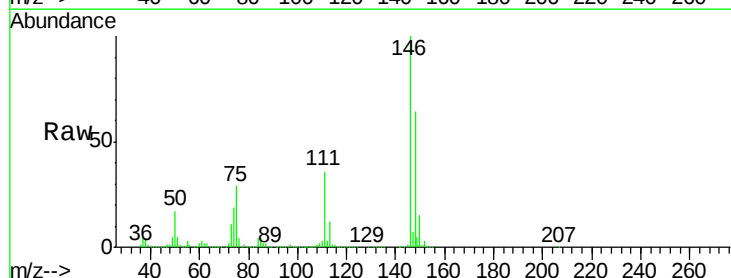
Manual Integrations  
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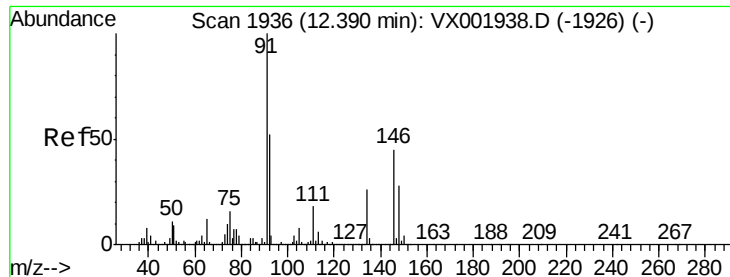
MMDadoda  
 5/30/2018 1:50:05 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 47.67 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 18.9  | 56.5  |
| 148     | 64.4  | 32.3  | 96.8  |





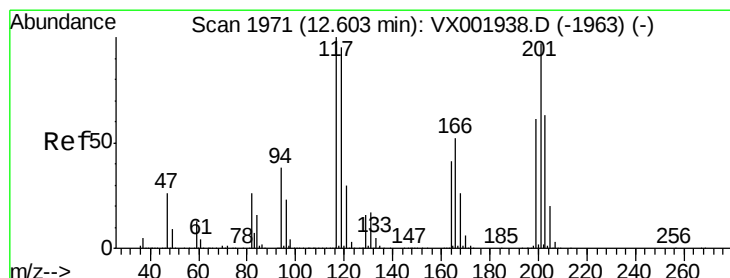
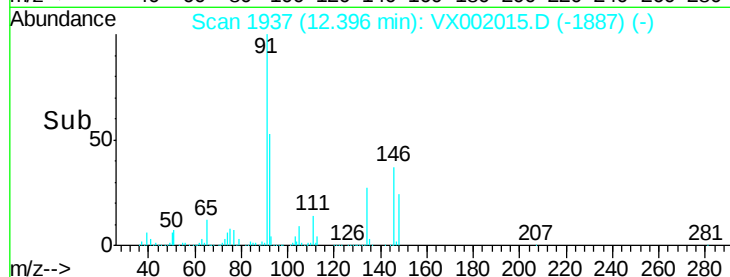
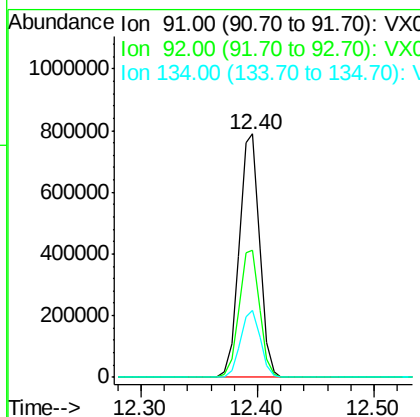
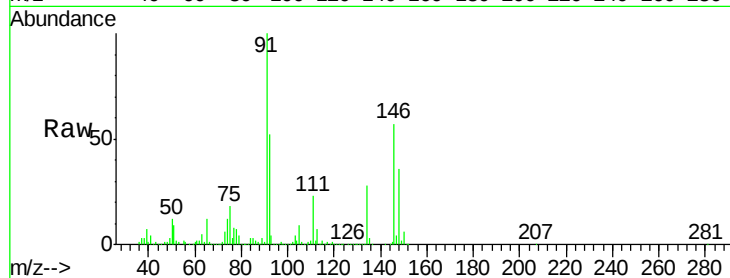
#89  
n-Butylbenzene  
Concen: 50.97 ug/l  
RT: 12.40 min Scan# 1937  
Delta R.T. 0.01 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 959681 |       |       |
| 92      | 52.8  | 26.3   | 78.9  |       |
| 134     | 27.2  | 13.6   | 40.7  |       |

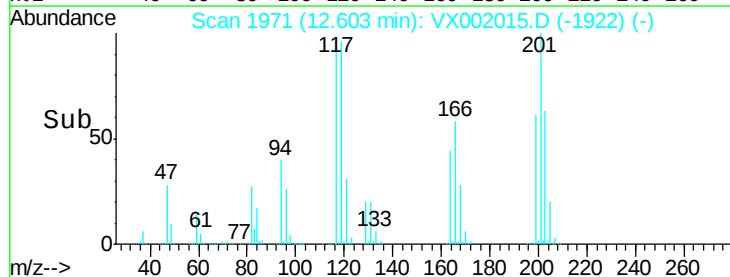
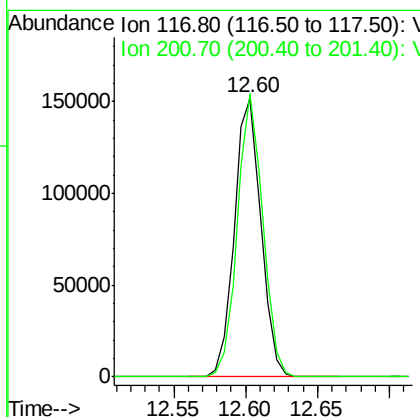
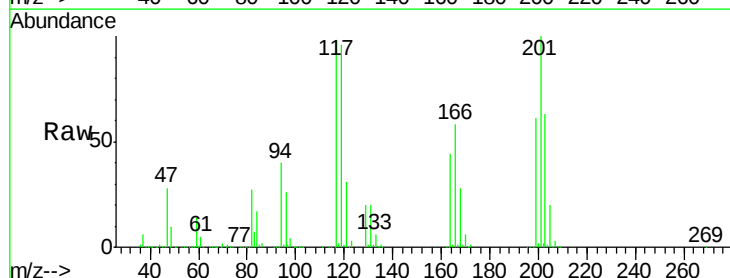
Manual Integrations  
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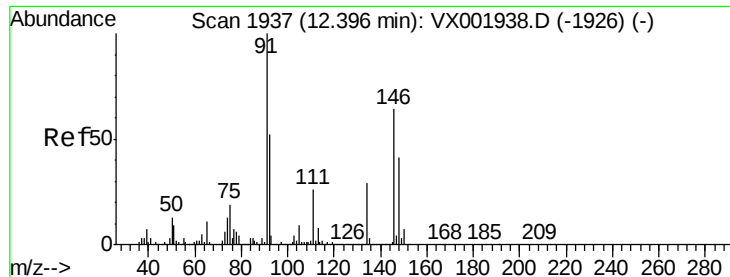
MMDadoda  
5/30/2018 1:50:05 PM



#90  
Hexachloroethane  
Concen: 44.63 ug/l  
RT: 12.60 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: VX002015.D  
Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 195582 |       |       |
| 201     | 96.6  | 48.0   | 144.0 |       |





#91

1,2-Dichlorobenzene

Concen: 46.72 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

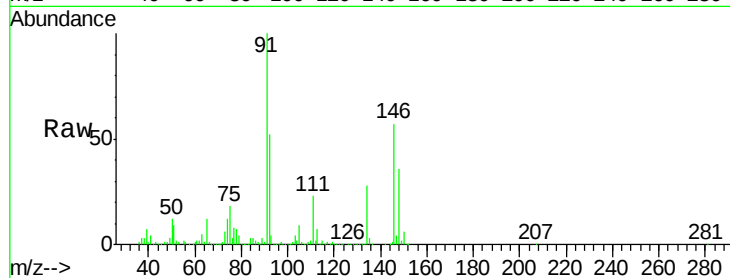
ClientSampleId :

VSTDCCC050

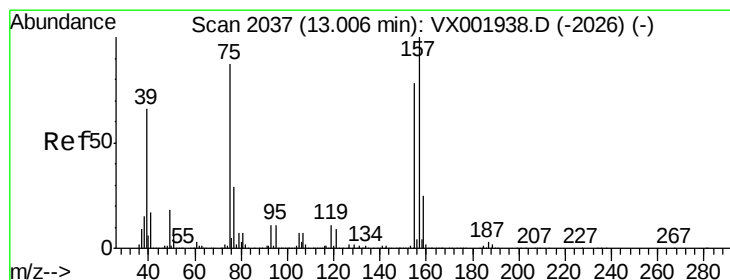
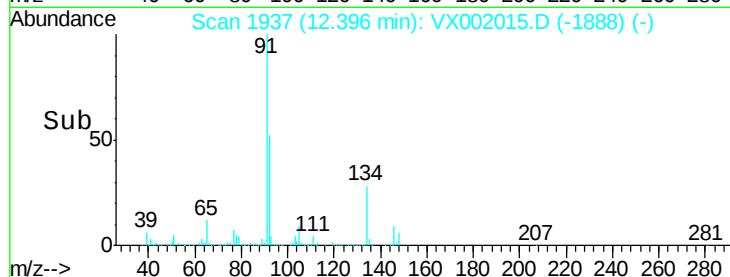
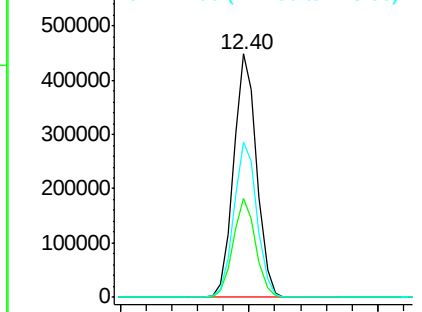
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 557128 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.8  | 19.8  | 59.3   |
| 148       | 64.1  | 32.1  | 96.5   |

Manual Integrations  
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Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 40.81 ug/l

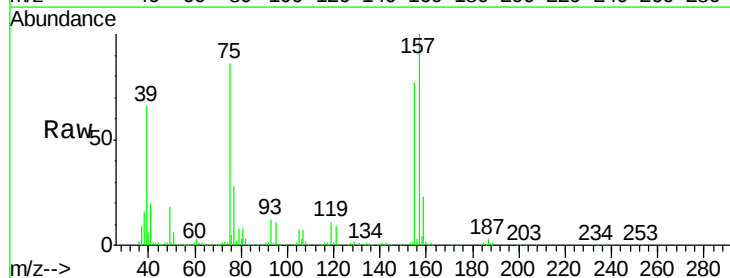
RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

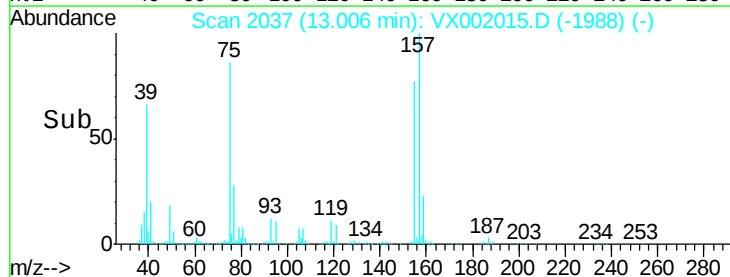
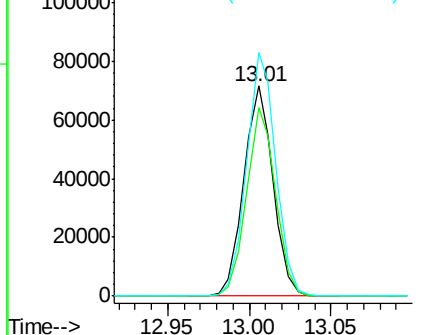
Lab File: VX002015.D

Acq: 26 May 2018 12:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 89371 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 89.0  | 45.1  | 135.2 |
| 157       | 115.5 | 58.1  | 174.2 |



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 154.80 (154.50 to 155.50): V  
Ion 156.80 (156.50 to 157.50): V





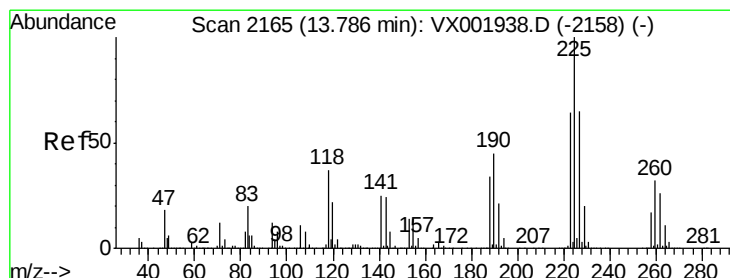
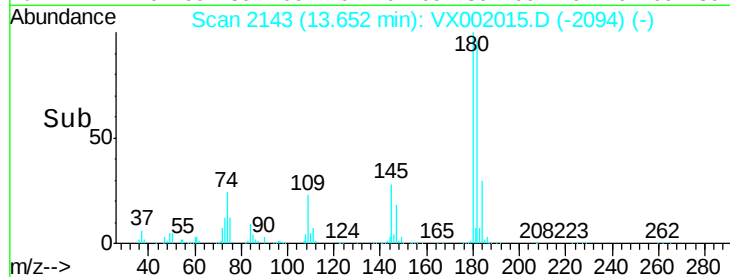
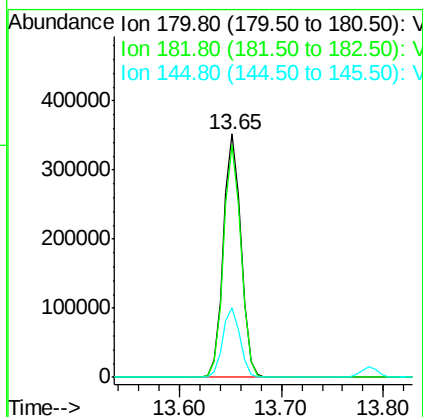
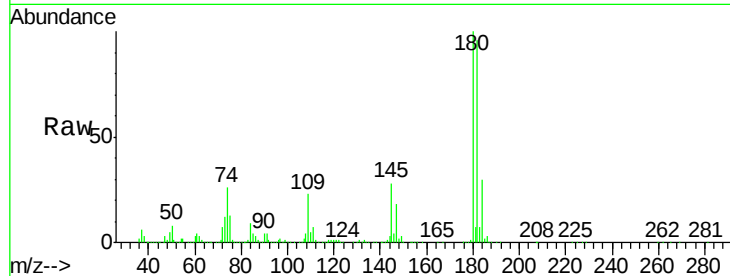
#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.53 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 422359 |       |       |
| 182     | 95.3  | 47.7   | 143.1 |       |
| 145     | 28.4  | 14.4   | 43.0  |       |

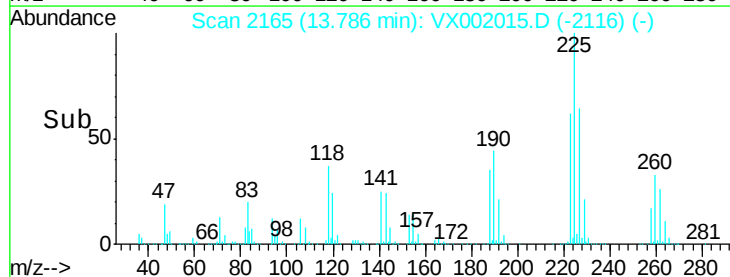
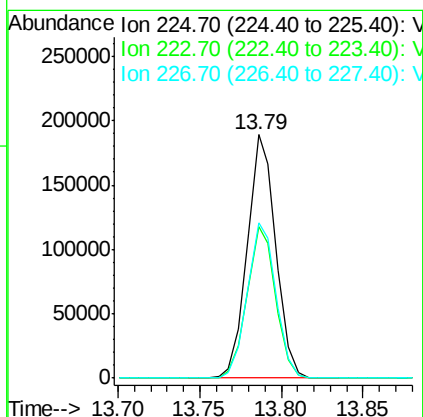
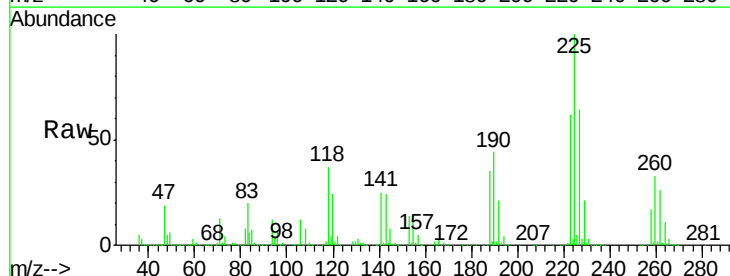
Manual Integrations  
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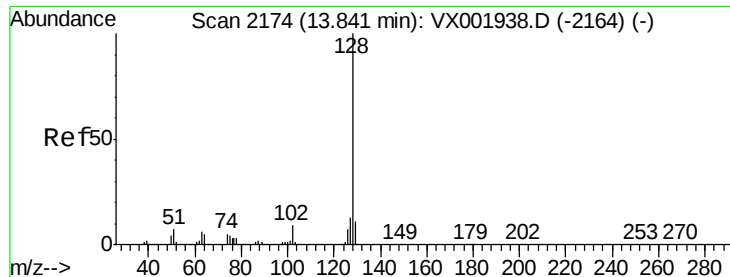
MMDadoda  
 5/30/2018 1:50:05 PM



#94  
 Hexachlorobutadiene  
 Concen: 50.00 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: VX002015.D  
 Acq: 26 May 2018 12:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 229362 |       |       |
| 223     | 62.5  | 31.1   | 93.5  |       |
| 227     | 64.5  | 32.1   | 96.5  |       |





#95

Naphthalene

Concen: 45.49 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1194999

Ion Ratio Lower Upper

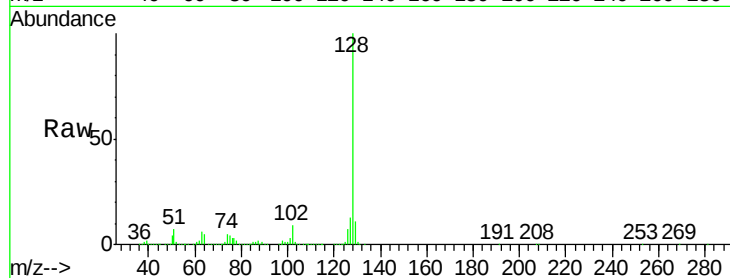
128 100

127 13.1 10.4 15.6

129 11.0 8.8 13.2

Manual Integrations  
APPROVED

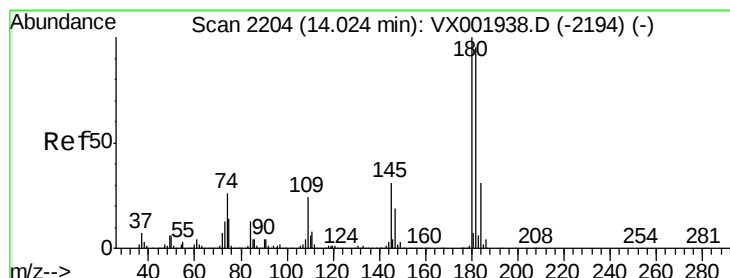
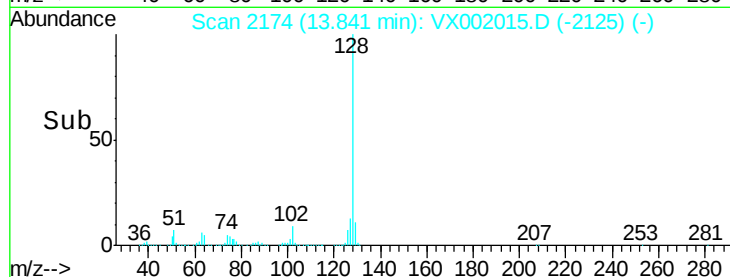
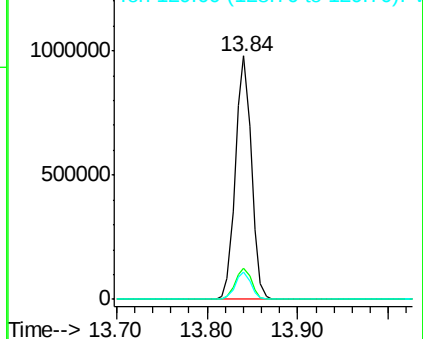
MMDadoda  
5/30/2018 1:50:05 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.07 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002015.D

Acq: 26 May 2018 12:58

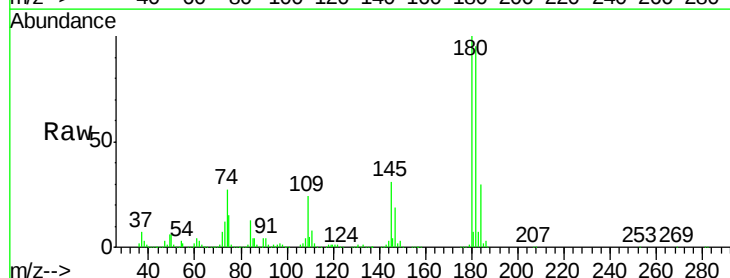
Tgt Ion:180 Resp: 424129

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.6

145 29.9 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

