

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\  
 Data File : VX003989.D  
 Acq On : 10 Aug 2018 20:43  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2018 11:02:12 AM

Quant Time: Aug 11 04:29:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:45:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 305451   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 455757   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 442632   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 269847   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 205066   | 50.65 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.30% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 169823   | 49.19 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.38%  |      |
| 50) Toluene-d8              | 8.72   | 98  | 651861   | 48.55 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.10%  |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 245297   | 56.46 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.92% |      |

| Target Compounds              |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 145165  | 46.90  | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 169861  | 40.33  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 192347  | 45.80  | ug/l | 98     |
| 5) Bromomethane               | 1.64 | 94  | 83230   | 36.70  | ug/l | 99     |
| 6) Chloroethane               | 1.71 | 64  | 129084  | 48.04  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 263556  | 47.53  | ug/l | 100    |
| 8) Diethyl Ether              | 2.18 | 74  | 118240  | 47.44  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 161717  | 46.66  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 119019  | 27.60  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.06 | 59  | 232564  | 239.02 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 153006  | 46.67  | ug/l | 99     |
| 13) Acrolein                  | 2.29 | 56  | 103994  | 206.77 | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 290583  | 45.98  | ug/l | 98     |
| 15) Acrylonitrile             | 3.15 | 53  | 561033  | 241.65 | ug/l | 100    |
| 16) Acetone                   | 2.44 | 43  | 567595  | 235.63 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.57 | 76  | 410217  | 44.20  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 274437  | 52.32  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 552768  | 47.58  | ug/l | 99     |
| 20) Methylene Chloride        | 2.85 | 84  | 184270  | 48.49  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 168338  | 45.23  | ug/l | 100    |
| 22) Diisopropyl ether         | 3.87 | 45  | 589679  | 50.76  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.82 | 43  | 2493051 | 257.92 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 328969  | 47.67  | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 950266  | 262.38 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 204811  | 41.15  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 197771  | 48.97  | ug/l | 97     |
| 28) Bromochloromethane        | 5.02 | 49  | 149606  | 50.66  | ug/l | 95     |
| 29) Tetrahydrofuran           | 5.16 | 42  | 476830  | 256.15 | ug/l | 98     |
| 30) Chloroform                | 5.21 | 83  | 322570  | 49.65  | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 270564  | 46.36  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 274890  | 50.46  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 238160  | 46.66  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.85 | 43  | 283159  | 50.43  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 239587  | 49.31  | ug/l | 95     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\  
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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 8/13/2018 11:02:12 AM

Quant Time: Aug 11 04:29:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 07:45:48 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 274100   | 45.54  | ug/l  | 99       |
| 40) Benzene                    | 6.15  | 78   | 744609   | 48.58  | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.06  | 41   | 156853   | 50.72  | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 260503   | 50.26  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 6.47  | 43   | 418480   | 49.53  | ug/l  | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 197152   | 47.03  | ug/l  | 92       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 195564   | 49.41  | ug/l  | 99       |
| 46) Dibromomethane             | 7.67  | 93   | 127604   | 49.66  | ug/l  | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 246765   | 50.97  | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.78  | 41   | 221153   | 51.49  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 99909    | 987.40 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1845973  | 263.56 | ug/l  | 100      |
| 52) Toluene                    | 8.79  | 92   | 479773   | 49.54  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 265174   | 48.46  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 289868   | 49.13  | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 198493   | 50.15  | ug/l  | 100      |
| 56) Ethyl methacrylate         | 9.18  | 69   | 294605   | 51.31  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 332969   | 50.27  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 739265   | 261.82 | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 1417837  | 270.82 | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.59  | 129  | 200125   | 54.24  | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 206602   | 52.14  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 192073   | 44.11  | ug/l  | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 534831   | 46.44  | ug/l  | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 194093   | 49.02  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 902417   | 47.86  | ug/l  | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 720398   | 97.79  | ug/l  | 97       |
| 69) o-Xylene                   | 10.70 | 106  | 341609   | 49.12  | ug/l  | 95       |
| 70) Styrene                    | 10.71 | 104  | 589429   | 51.77  | ug/l  | 98       |
| 71) Bromoform                  | 10.86 | 173  | 158084   | 47.26  | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 927478   | 46.46  | ug/l  | 96       |
| 74) N-amyl acetate             | 6.47  | 43   | 418480   | 40.31  | ug/l  | # 100    |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 319390   | 46.68  | ug/l  | 97       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 275651m  | 46.25  | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 243422   | 45.71  | ug/l  | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 1061300  | 47.35  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 629976   | 46.09  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 752174   | 46.21  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 85078    | 39.33  | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 727496   | 45.43  | ug/l  | 98       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 773279   | 48.29  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 792068   | 48.39  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 915472   | 48.44  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 827495   | 48.80  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 452899   | 46.01  | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 460610   | 48.79  | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 631505   | 42.73  | ug/l  | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 115195   | 41.84  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 396542   | 40.64  | ug/l  | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 58331    | 41.62  | ug/l  | 99       |

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Acq On : 10 Aug 2018 20:43  
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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

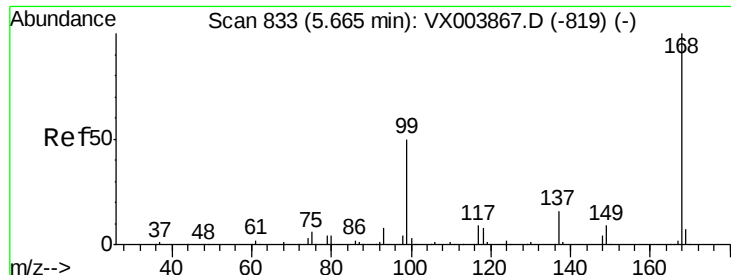
MMDadoda  
8/13/2018 11:02:12 AM

Quant Time: Aug 11 04:29:24 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 07:45:48 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 320069   | 45.61 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 145036   | 46.87 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 1026045  | 51.05 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 340214   | 48.58 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 305451

Ion Ratio Lower Upper

168 100

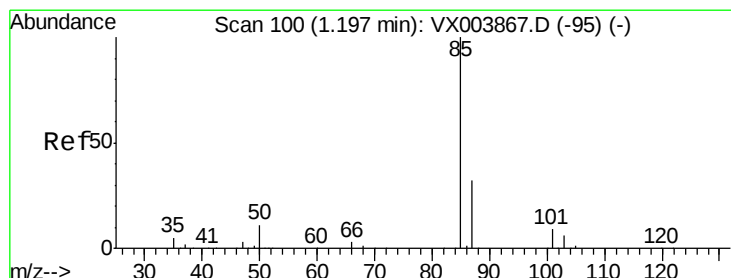
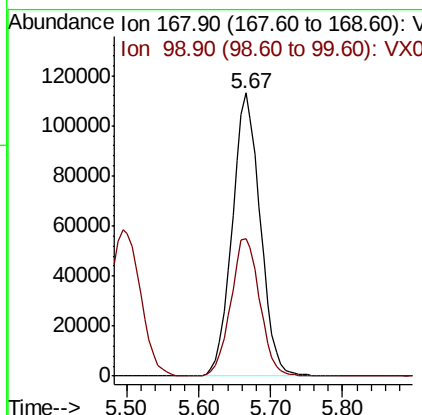
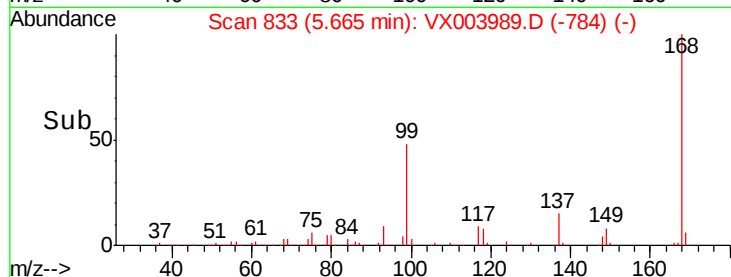
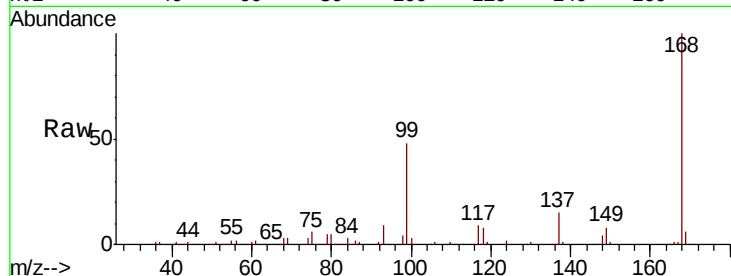
99 48.3 40.1 60.1

Manual Integrations

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MMDadoda

8/13/2018 11:02:12 AM



#2

Dichlorodifluoromethane

Concen: 46.90 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003989.D

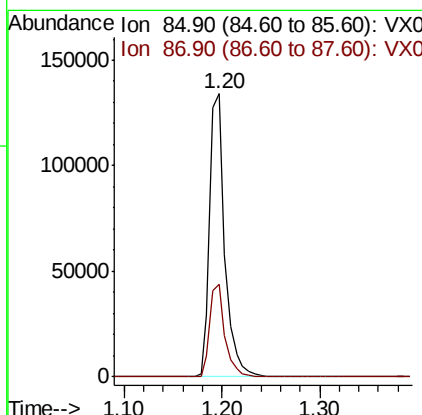
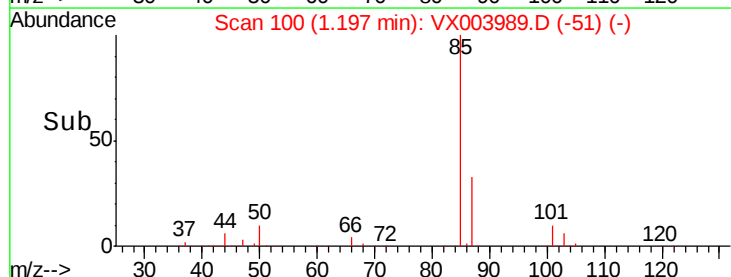
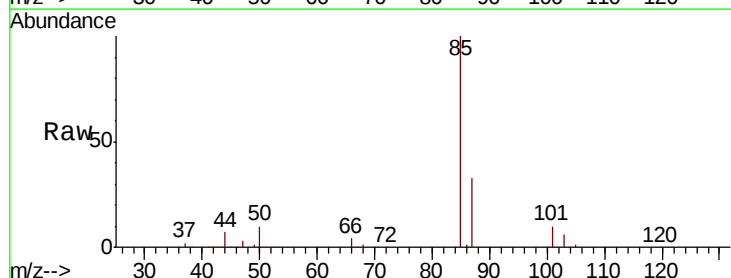
Acq: 10 Aug 2018 20:43

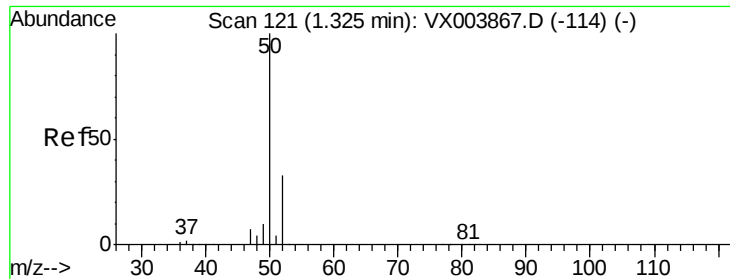
Tgt Ion: 85 Resp: 145165

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0





#3

Chloromethane

Concen: 40.33 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 169861

Ion Ratio Lower Upper

50 100

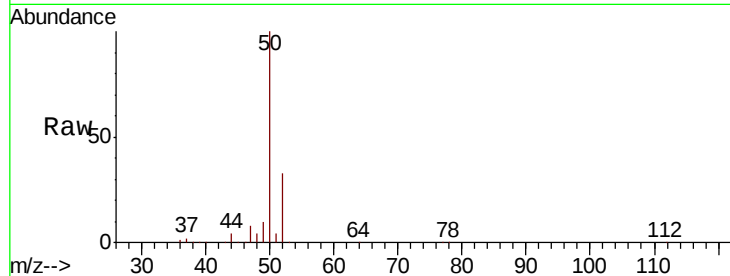
52 32.8 26.6 39.8

Manual Integrations

APPROVED

MMDadoda

8/13/2018 11:02:12 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

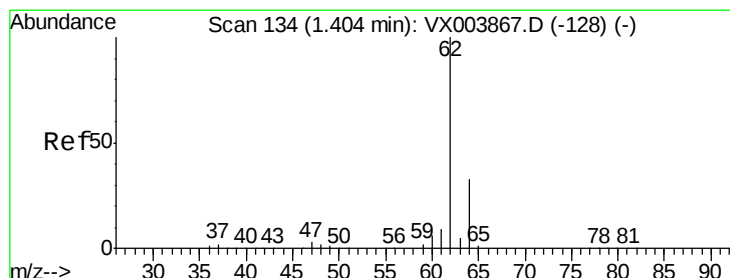
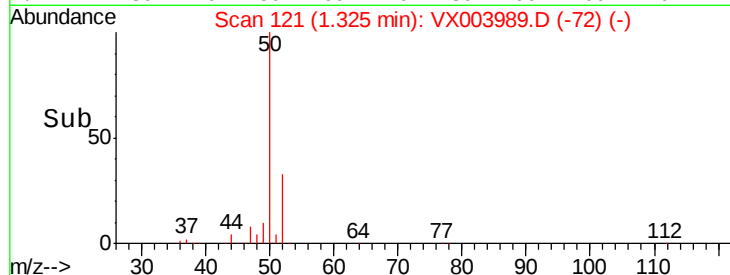
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50000

0

1.25 1.30 1.32 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 45.80 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003989.D

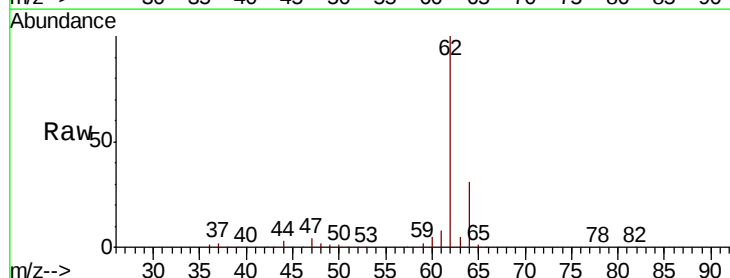
Acq: 10 Aug 2018 20:43

Tgt Ion: 62 Resp: 192347

Ion Ratio Lower Upper

62 100

64 31.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

200000

150000

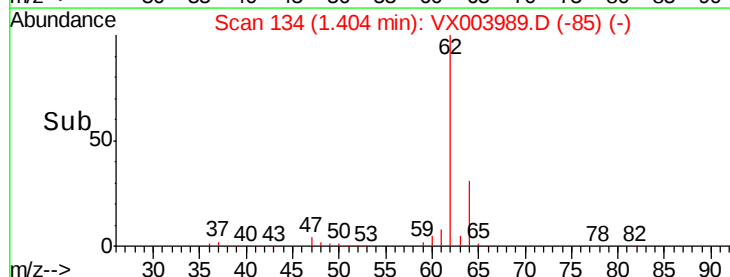
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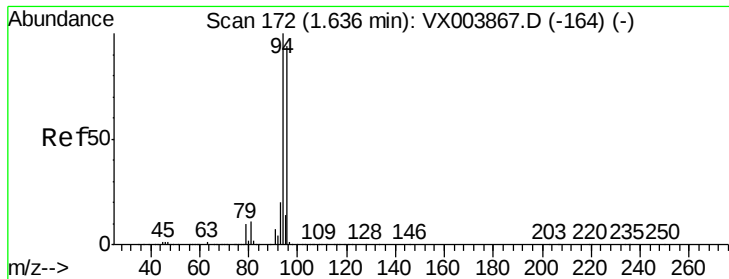
50000

0

1.40 1.50

Time-->





#5

Bromomethane

Concen: 36.70 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 83230

Ion Ratio Lower Upper

94 100

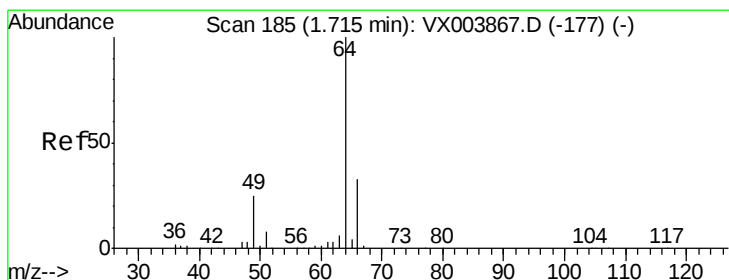
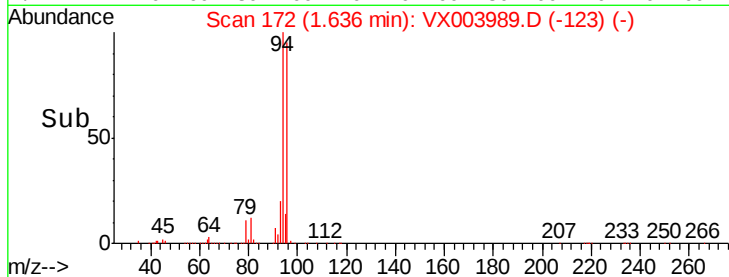
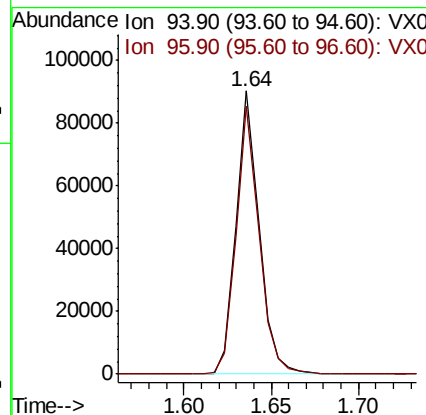
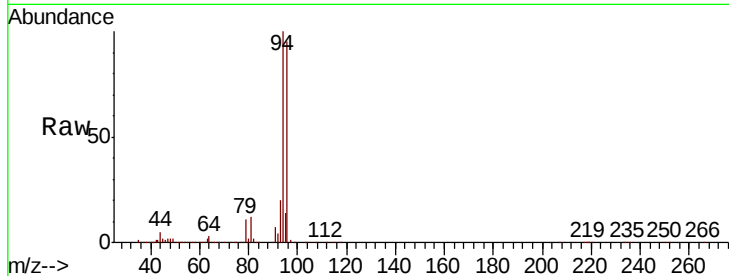
96 94.7 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

8/13/2018 11:02:12 AM



#6

Chloroethane

Concen: 48.04 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003989.D

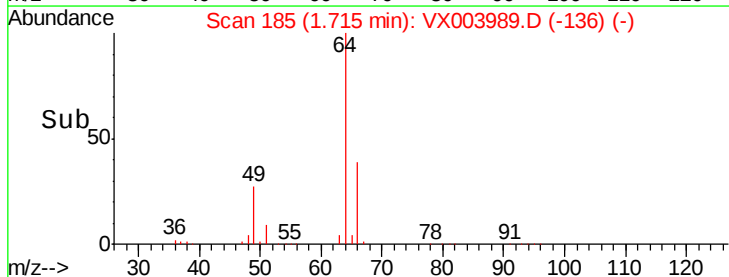
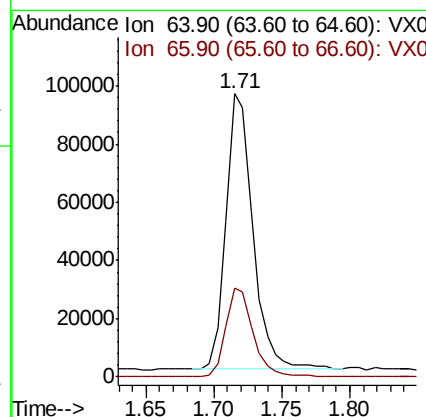
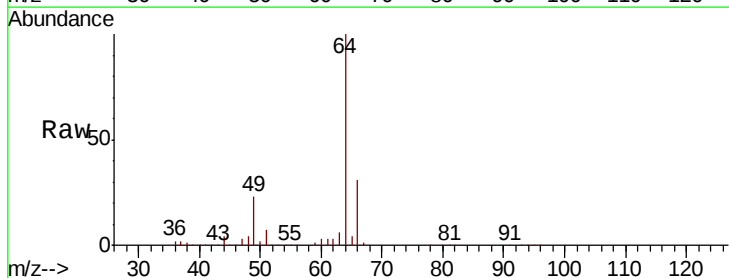
Acq: 10 Aug 2018 20:43

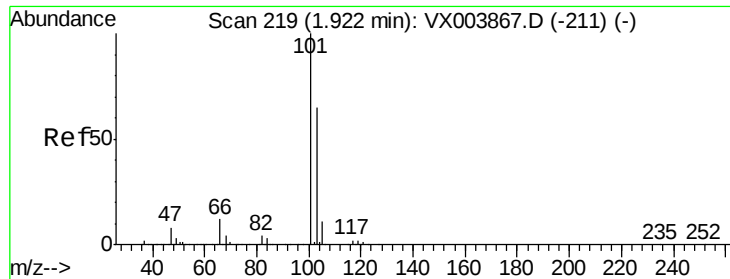
Tgt Ion: 64 Resp: 129084

Ion Ratio Lower Upper

64 100

66 32.2 26.5 39.7





#7

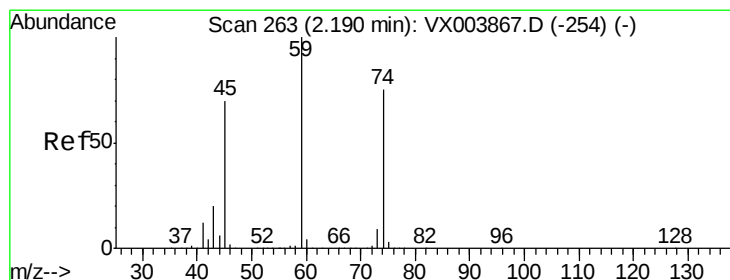
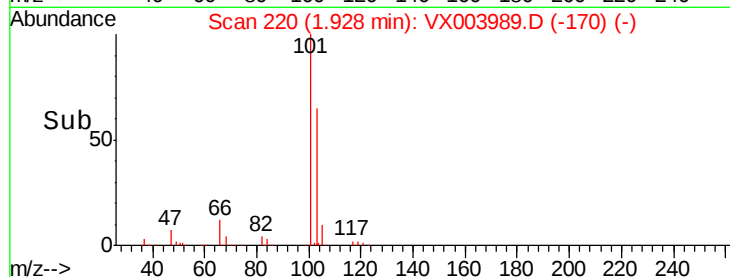
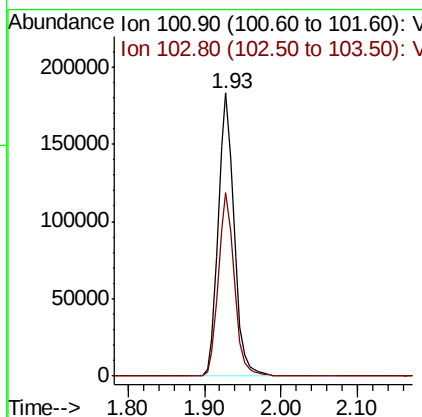
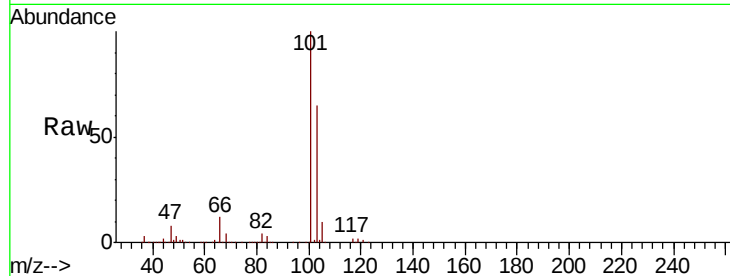
Trichlorofluoromethane  
Concen: 47.53 ug/l  
RT: 1.93 min Scan# 220  
Delta R.T. 0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.0  | 52.3  | 78.5  |

Manual Integrations  
APPROVED

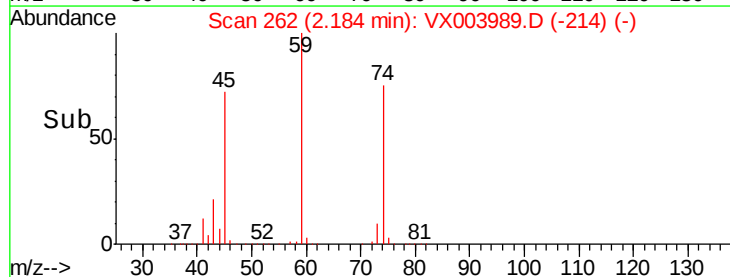
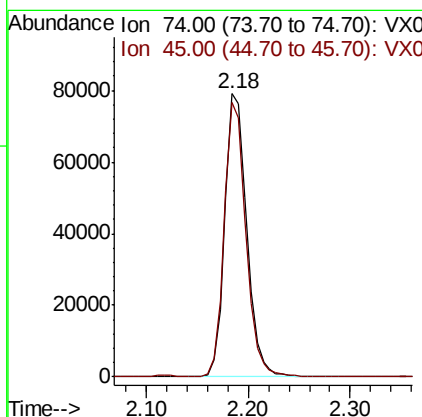
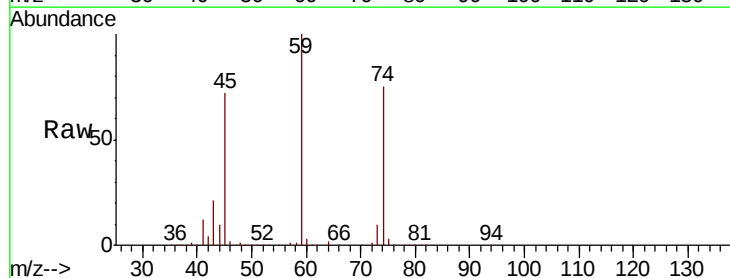
MMDadoda  
8/13/2018 11:02:12 AM

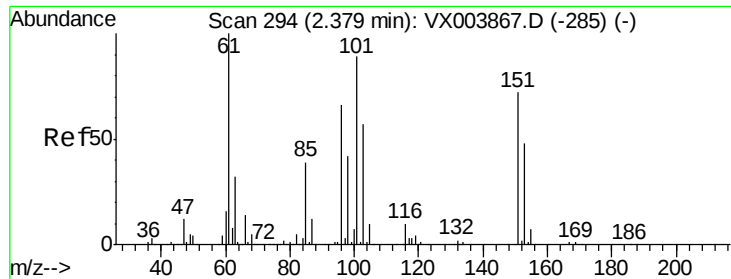


#8

Diethyl Ether  
Concen: 47.44 ug/l  
RT: 2.18 min Scan# 262  
Delta R.T. -0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.1  | 48.3  | 144.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.66 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

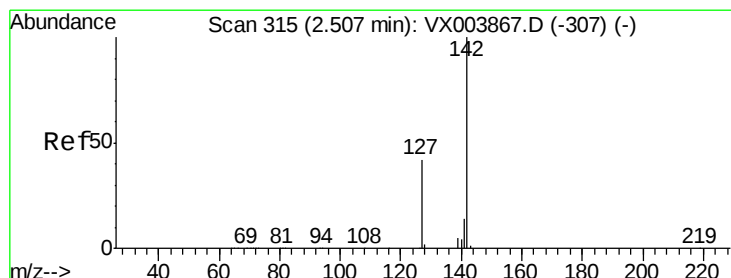
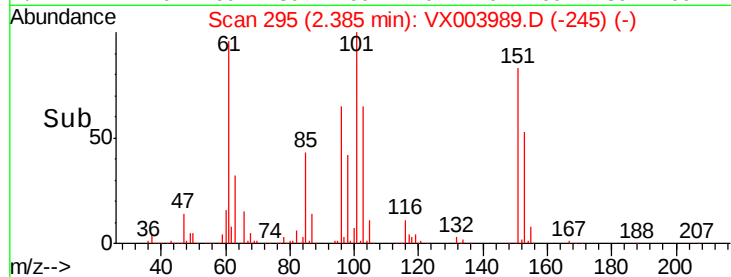
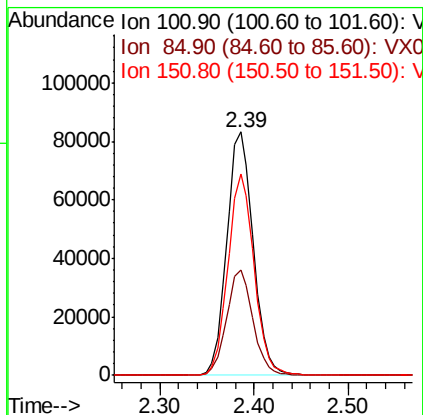
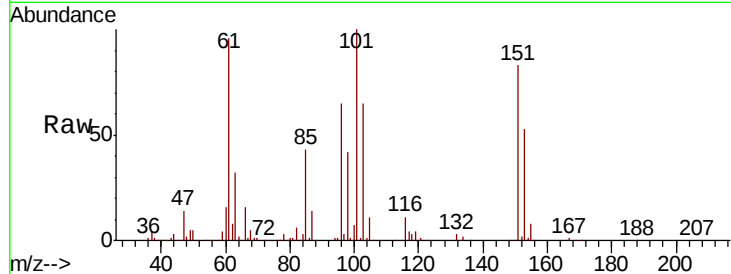
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 161717 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.0  | 34.2  | 51.4   |
| 151       | 81.8  | 65.0  | 97.4   |

Manual Integrations  
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8/13/2018 11:02:12 AM



#10

Methyl Iodide

Concen: 27.60 ug/l

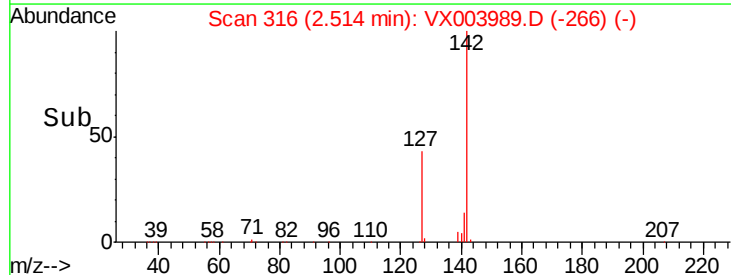
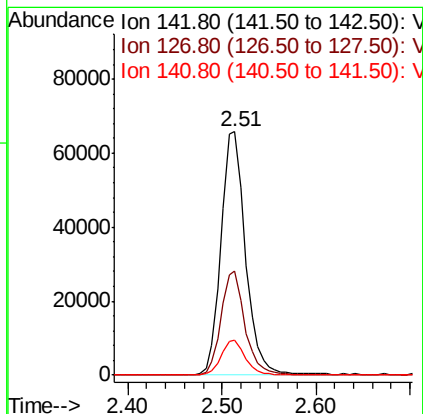
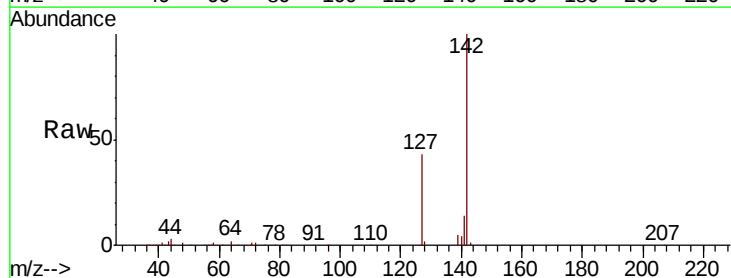
RT: 2.51 min Scan# 316

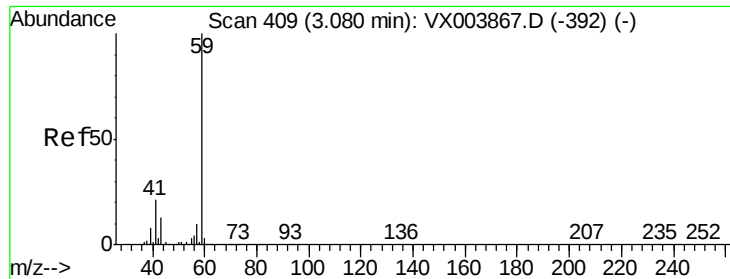
Delta R.T. 0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 119019 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.7  | 33.1  | 49.7   |
| 141       | 14.4  | 11.1  | 16.7   |





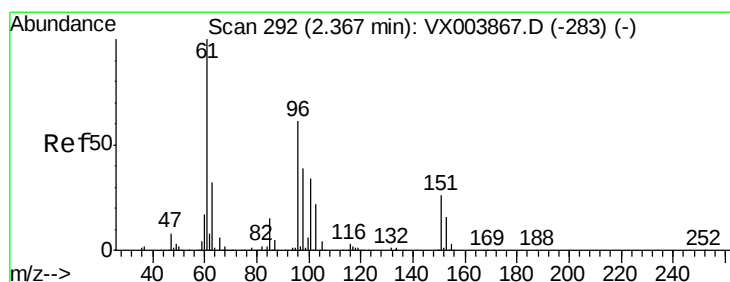
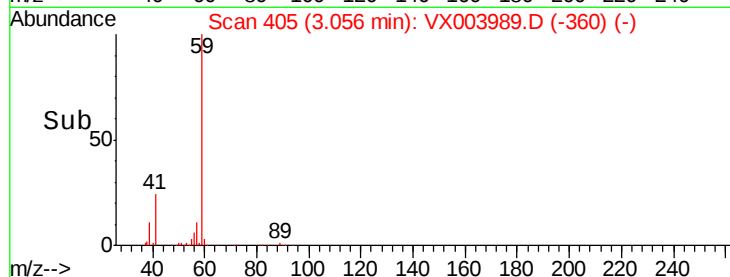
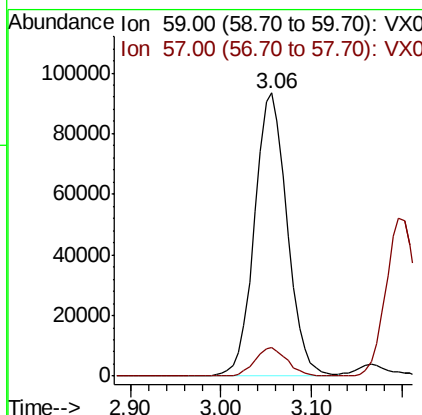
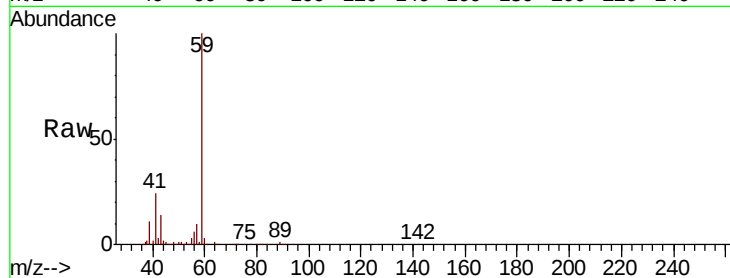
#11  
Tert butyl alcohol  
Concen: 239.02 ug/l  
RT: 3.06 min Scan# 405  
Delta R.T. -0.02 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleID :  
VSTDCCC050EC

Tot Ion: 59 Resp: 232564  
Ion Ratio Lower Upper  
59 100  
57 10.0 8.1 12.1

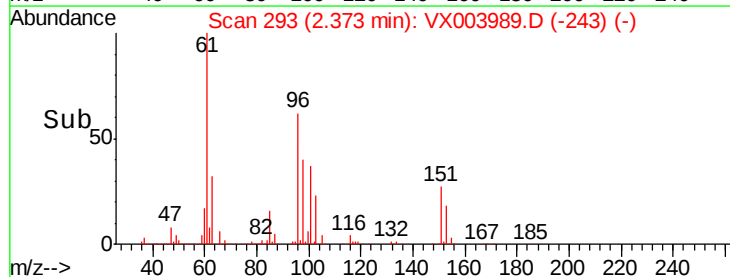
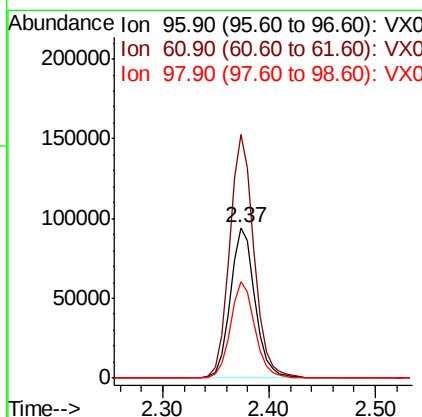
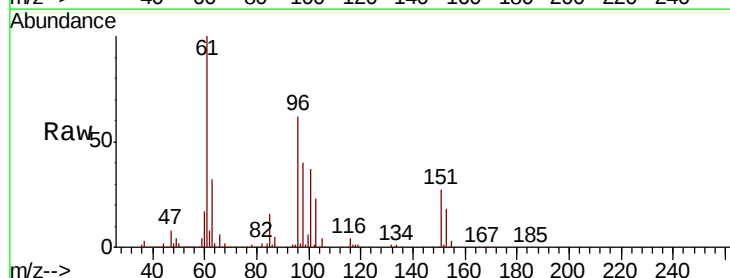
Manual Integrations  
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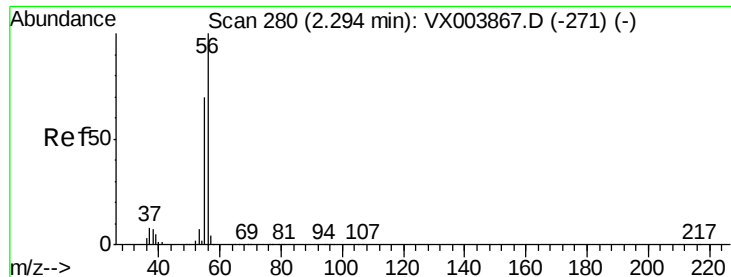
MMDadoda  
8/13/2018 11:02:12 AM



#12  
1,1-Dichloroethene  
Concen: 46.67 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. 0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Tgt Ion: 96 Resp: 153006  
Ion Ratio Lower Upper  
96 100  
61 162.1 131.3 196.9  
98 64.6 51.8 77.6





#13

Acrolein

Concen: 206.77 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 103994

Ion Ratio Lower Upper

56 100

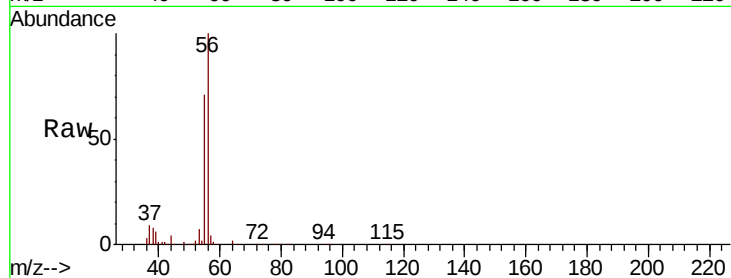
55 70.6 56.1 84.1

Manual Integrations

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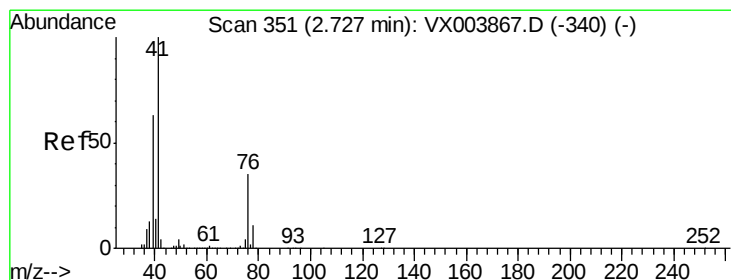
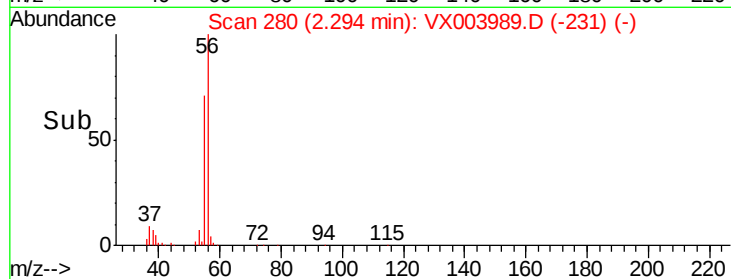
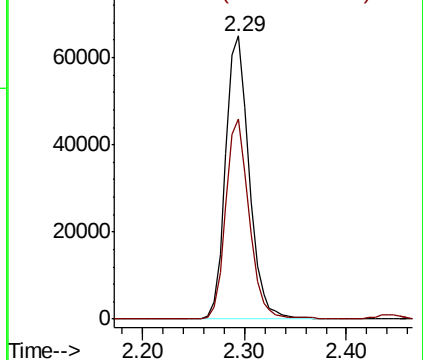
MMDadoda

8/13/2018 11:02:12 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.98 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

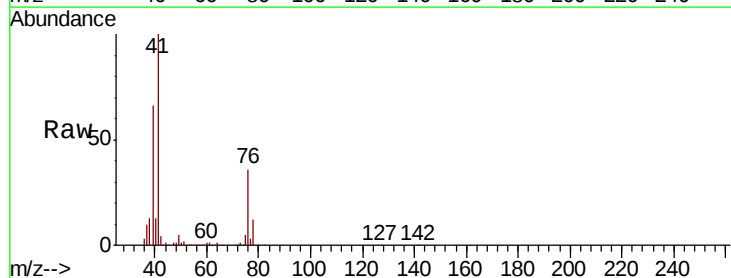
Tgt Ion: 41 Resp: 290583

Ion Ratio Lower Upper

41 100

39 60.8 47.4 71.0

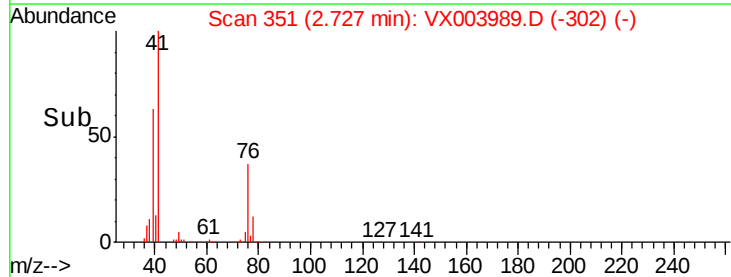
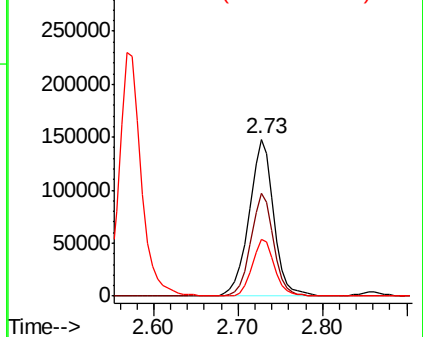
76 33.0 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 241.65 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

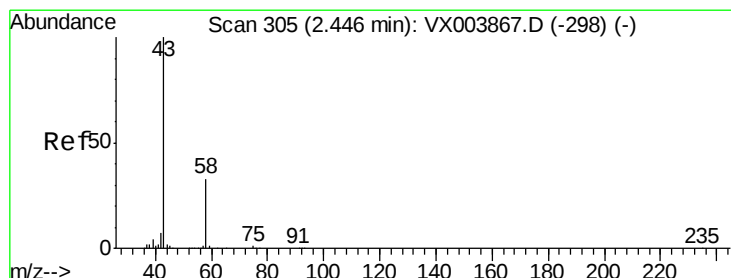
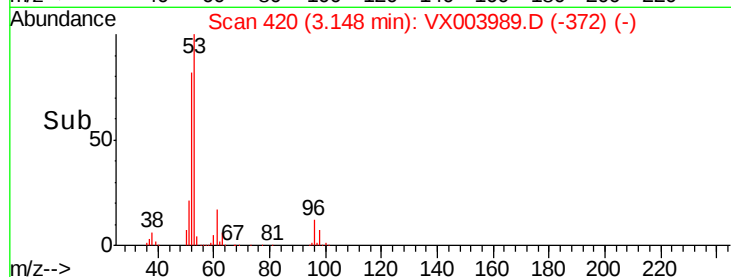
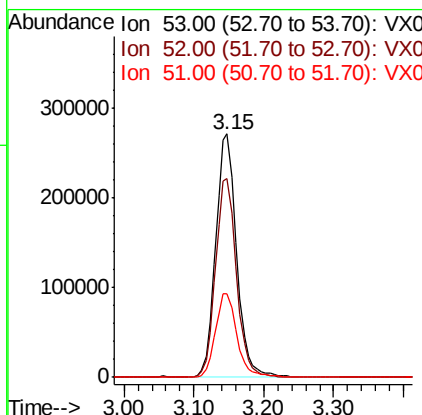
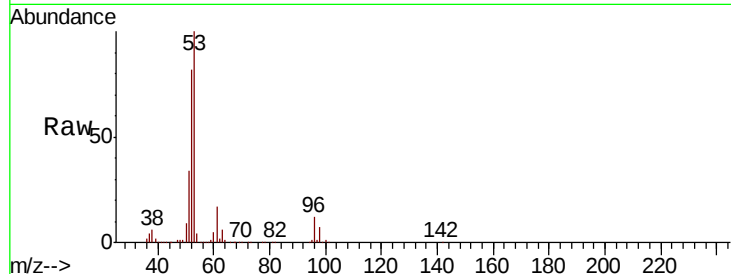
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 561033 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.9  | 65.3  | 97.9   |
| 51        | 35.4  | 27.9  | 41.9   |

Manual Integrations  
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#16

Acetone

Concen: 235.63 ug/l

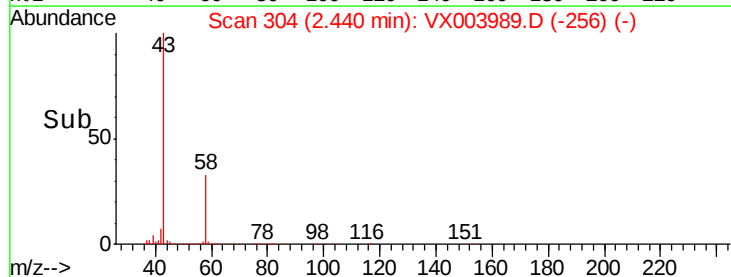
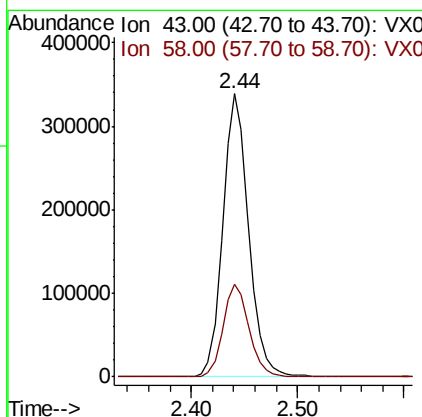
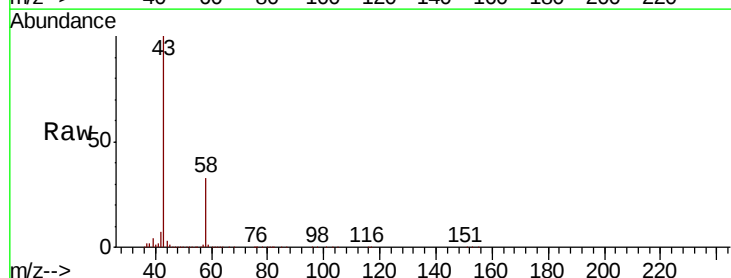
RT: 2.44 min Scan# 304

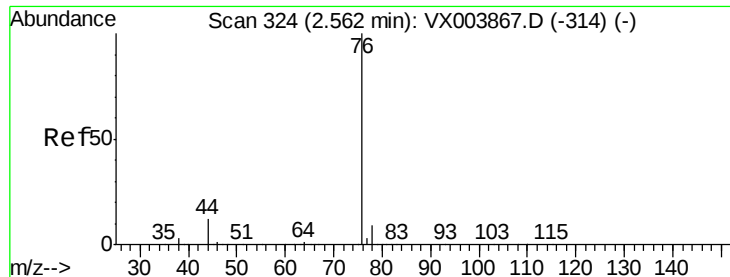
Delta R.T. -0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 567595 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.9  | 26.4  | 39.6   |





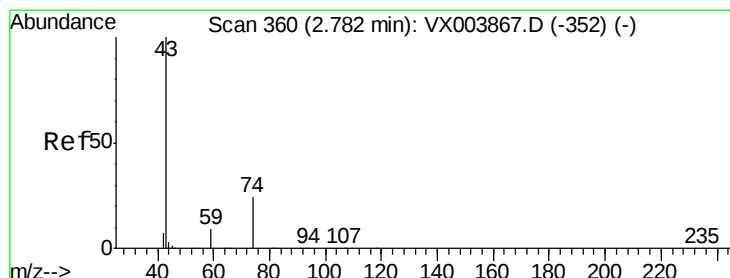
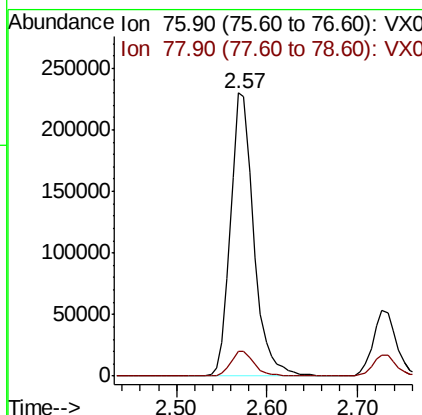
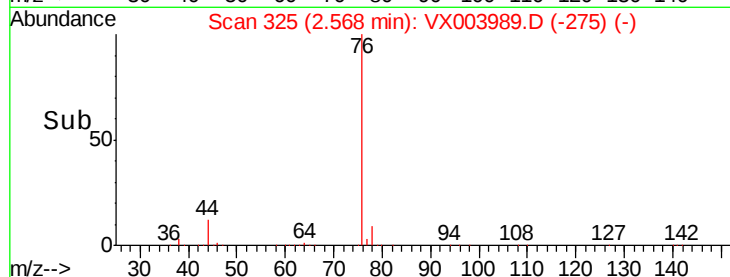
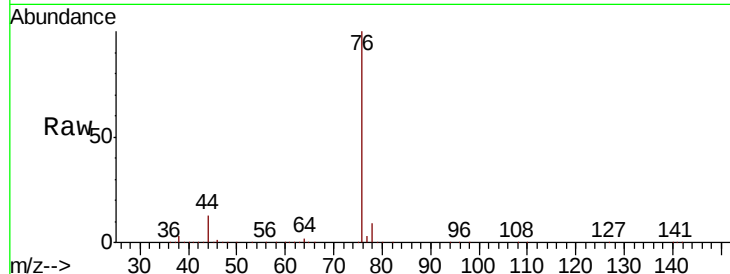
#17  
Carbon Disulfide  
Concen: 44.20 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.5   | 11.3  |

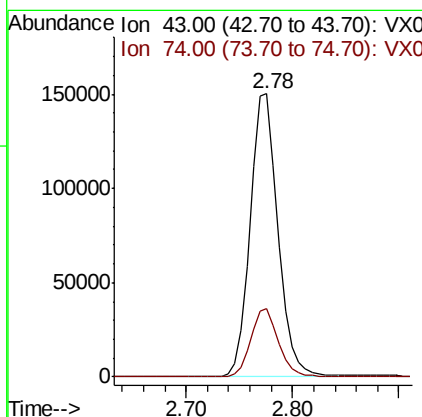
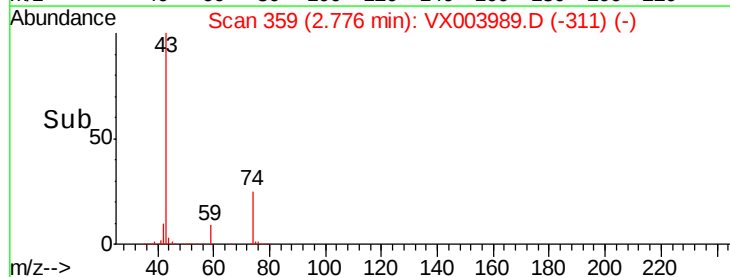
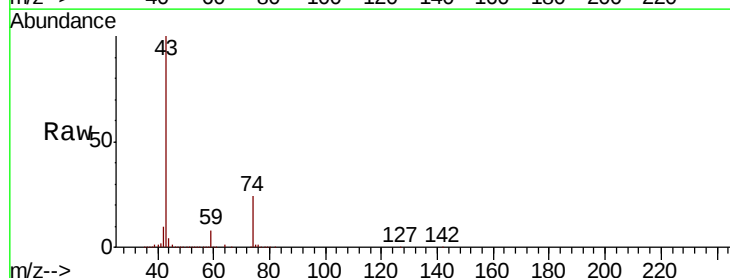
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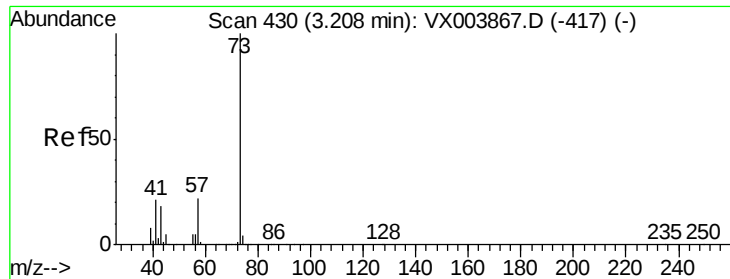
MMDadoda  
8/13/2018 11:02:12 AM



#18  
Methyl Acetate  
Concen: 52.32 ug/l  
RT: 2.78 min Scan# 359  
Delta R.T. -0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.5  | 18.9  | 28.3  |





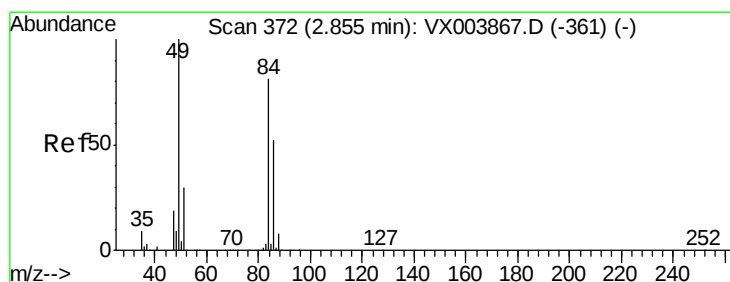
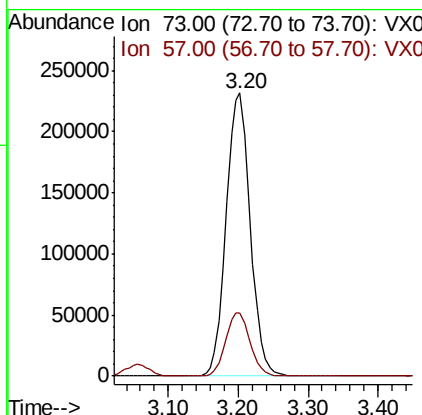
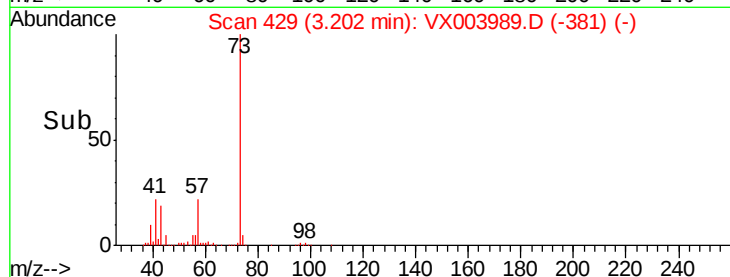
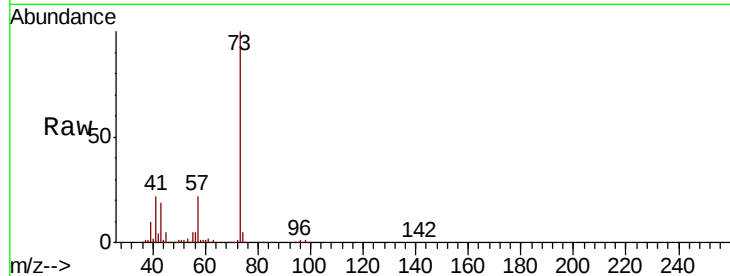
#19  
Methvl tert-butvl Ether  
Concen: 47.58 ug/l  
RT: 3.20 min Scan# 429  
Delta R.T. -0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.1  | 18.0  | 27.0  |

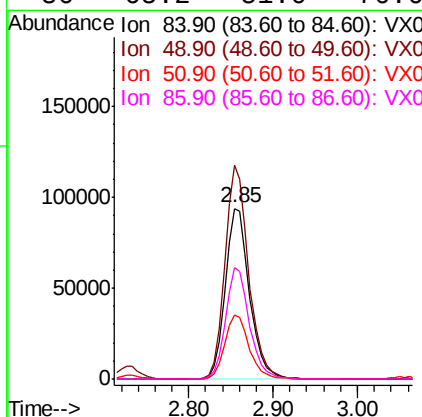
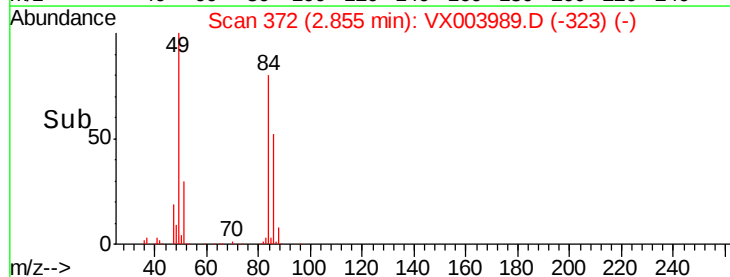
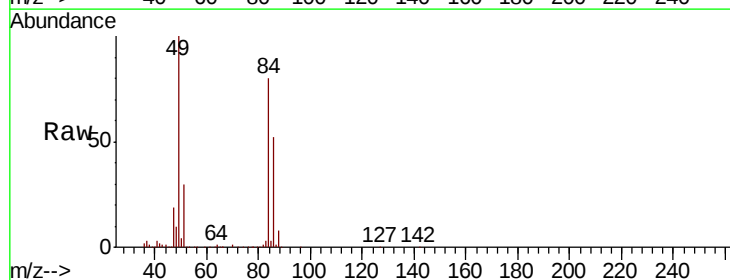
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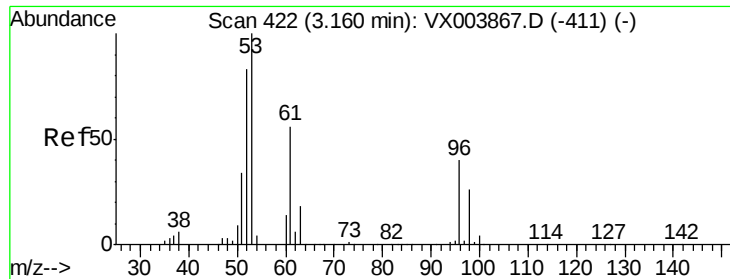
MMDadoda  
8/13/2018 11:02:12 AM



#20  
Methylene Chloride  
Concen: 48.49 ug/l  
RT: 2.85 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 125.0 | 98.9  | 148.3 |
| 51      | 37.8  | 29.9  | 44.9  |
| 86      | 65.2  | 51.0  | 76.6  |





#21

trans-1,2-Dichloroethene

Concen: 45.23 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 168338

Ion Ratio Lower Upper

96 100

61 139.5 111.8 167.6

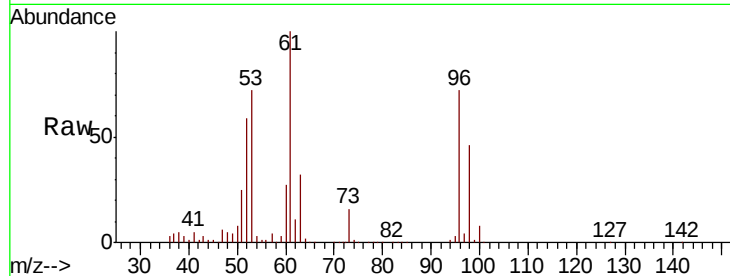
98 64.1 51.8 77.6

Manual Integrations

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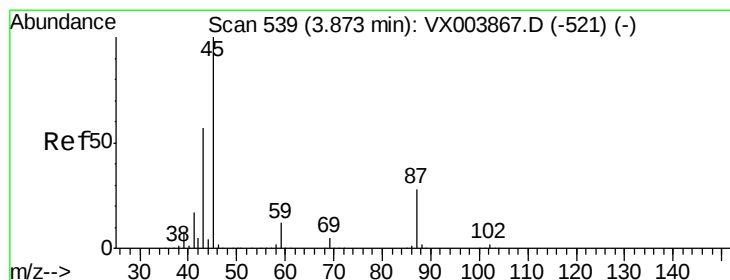
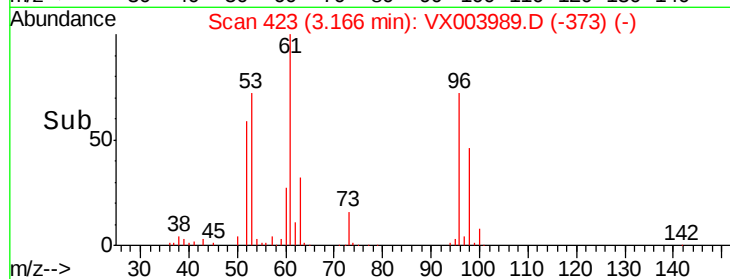
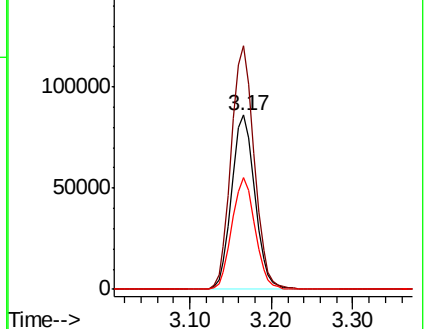
8/13/2018 11:02:12 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.76 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Tgt Ion: 45 Resp: 589679

Ion Ratio Lower Upper

45 100

43 60.1 45.3 67.9

87 27.1 22.7 34.1

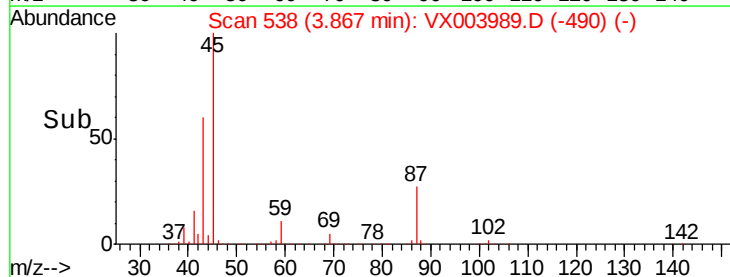
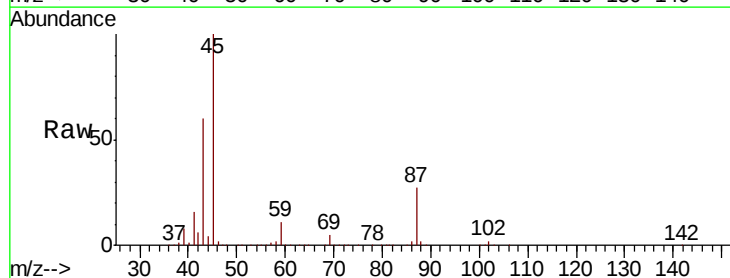
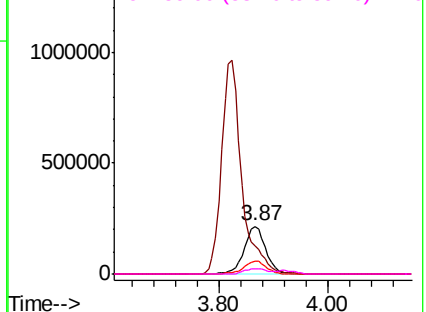
59 11.5 9.6 14.4

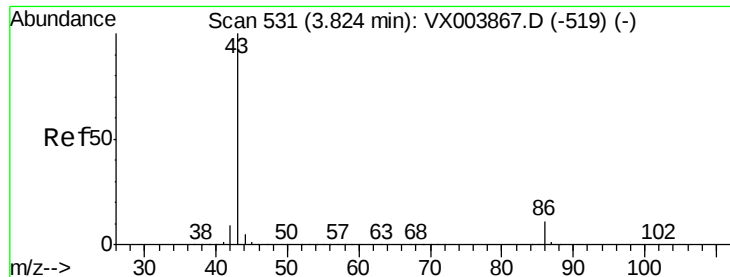
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 257.92 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2493051

Ion Ratio Lower Upper

43 100

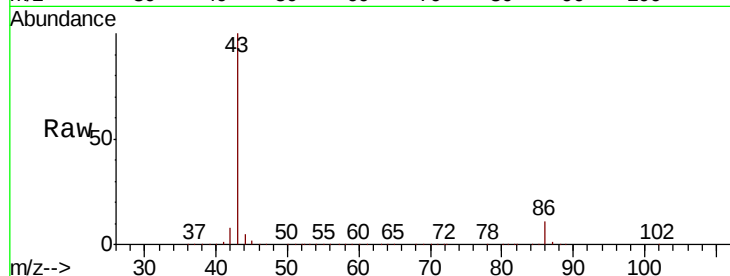
86 11.2 8.9 13.3

Manual Integrations

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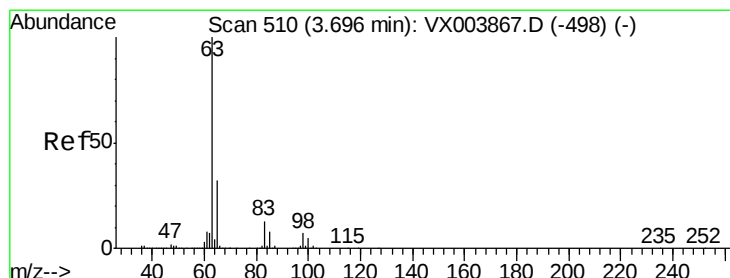
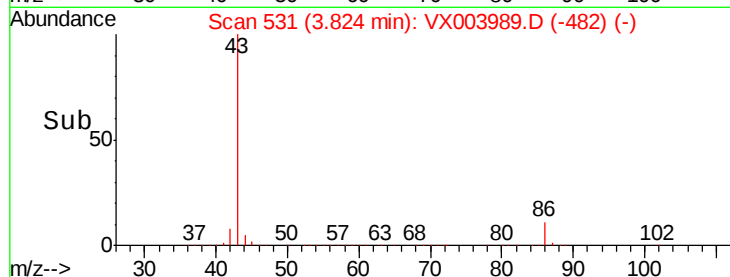
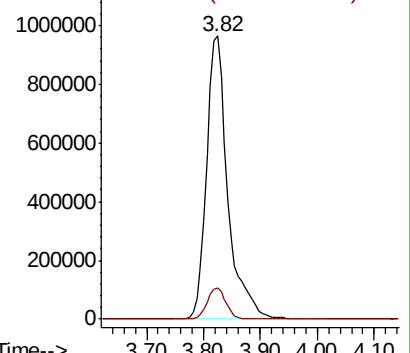
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.67 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

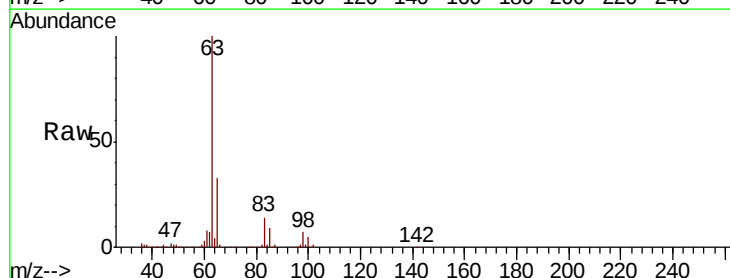
Tgt Ion: 63 Resp: 328969

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

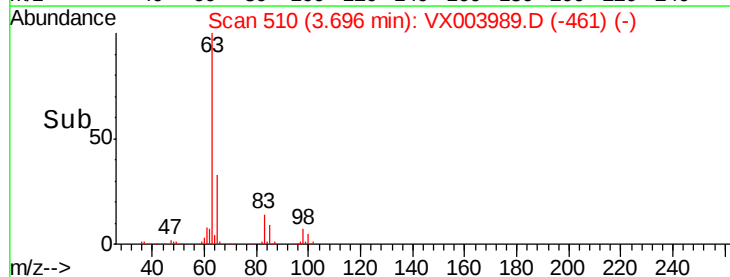
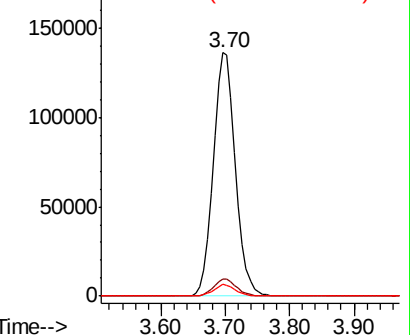
100 4.7 2.3 6.8

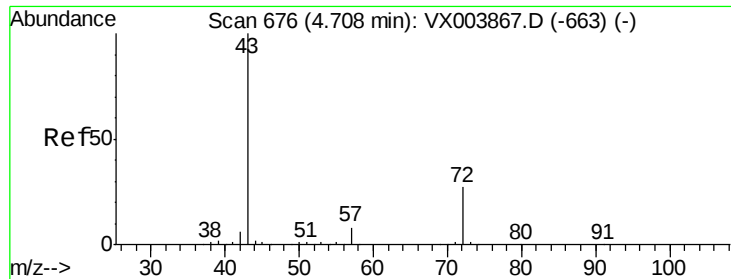


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 262.38 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 950266

Ion Ratio Lower Upper

43 100

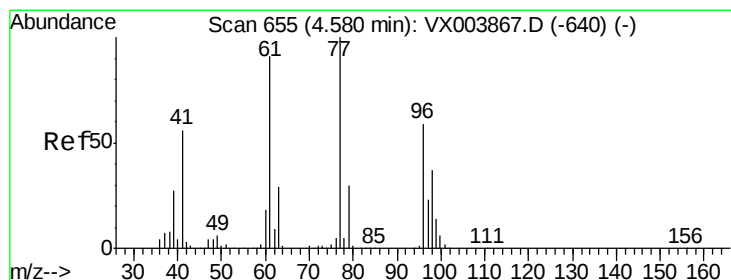
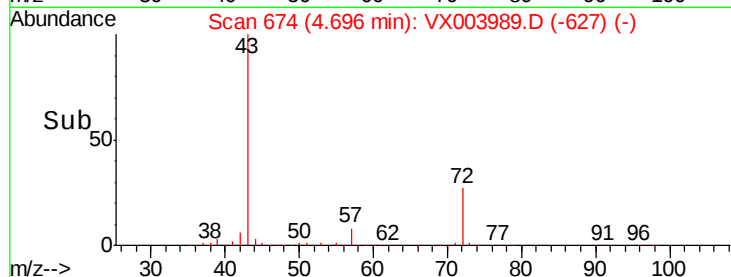
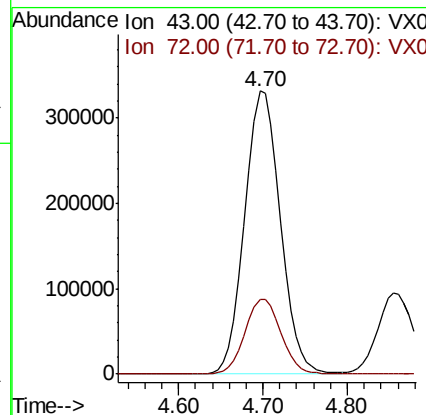
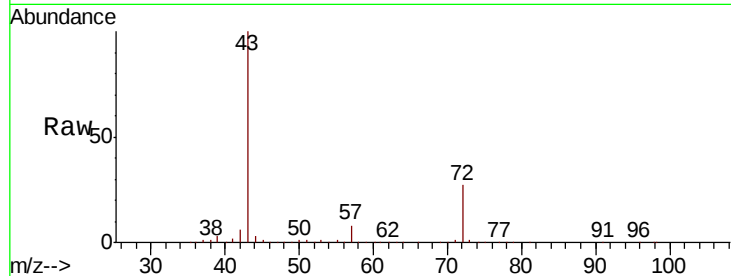
72 26.5 21.4 32.0

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#26

2,2-Dichloropropane

Concen: 41.15 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003989.D

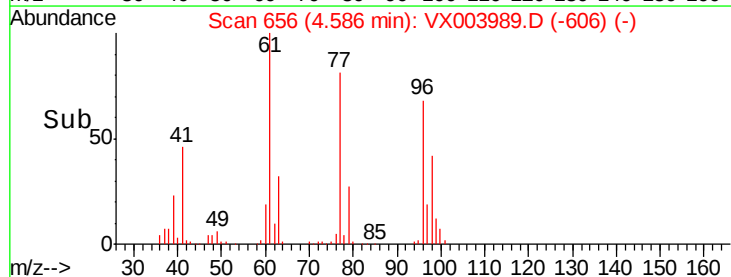
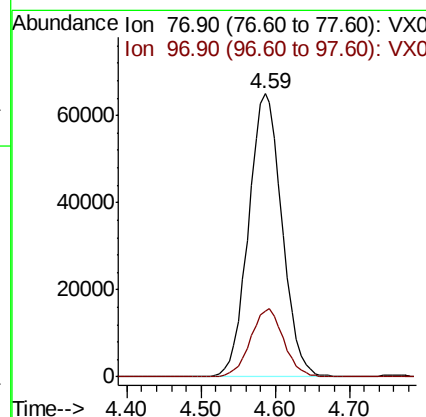
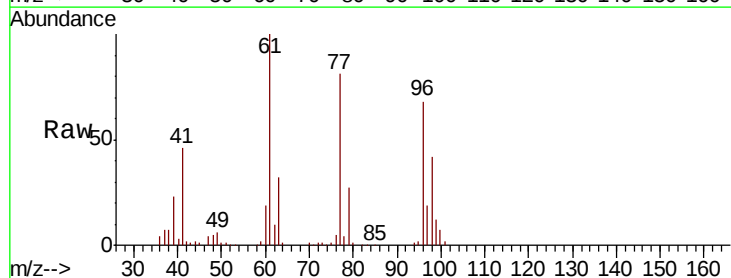
Acq: 10 Aug 2018 20:43

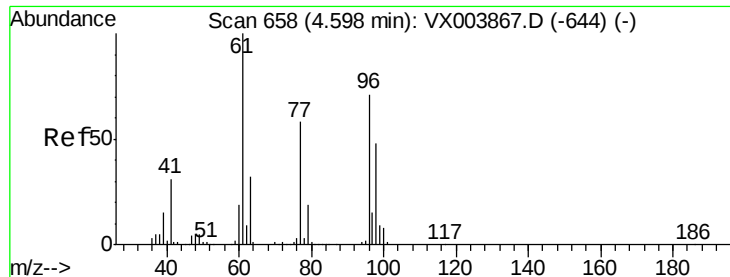
Tgt Ion: 77 Resp: 204811

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 48.97 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

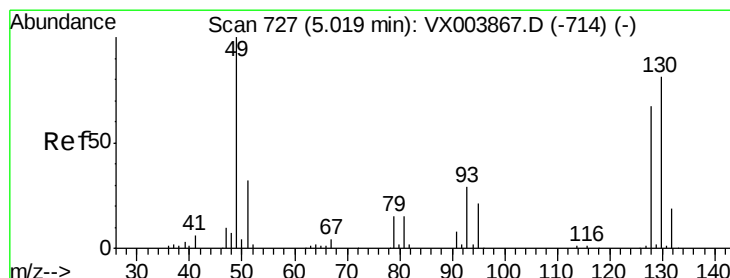
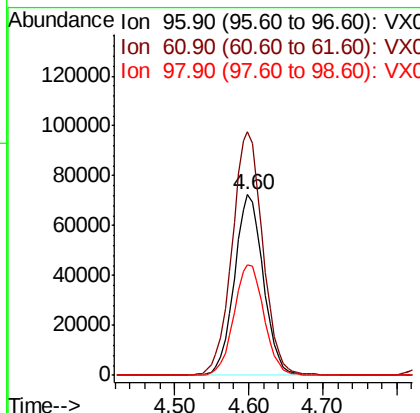
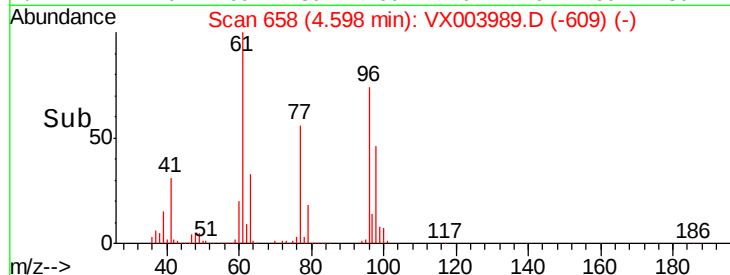
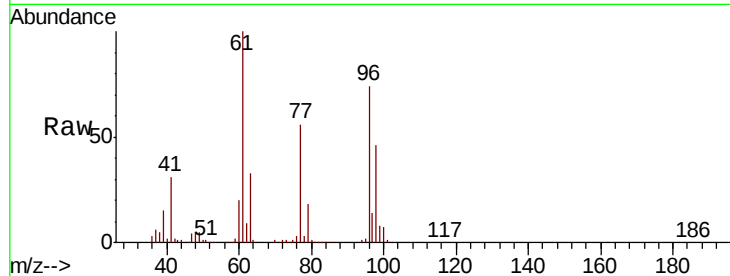
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 197771 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 142.6 | 0.0   | 293.0  |
| 98       | 63.7  | 0.0   | 131.8  |

Manual Integrations  
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8/13/2018 11:02:12 AM



#28

Bromochloromethane

Concen: 50.66 ug/l

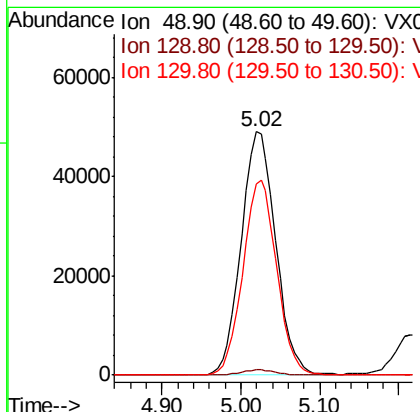
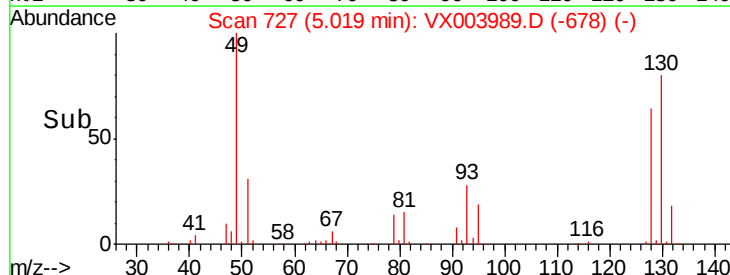
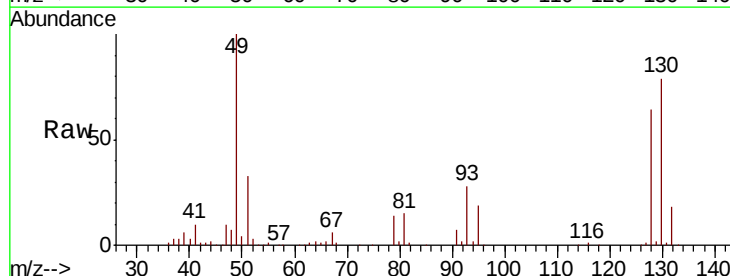
RT: 5.02 min Scan# 727

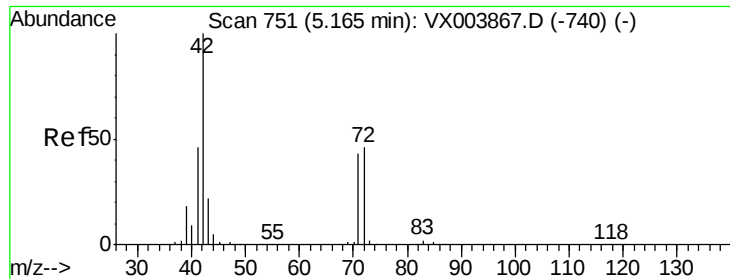
Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 149606 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.1   | 0.0   | 4.2    |
| 130      | 78.3  | 66.5  | 99.7   |





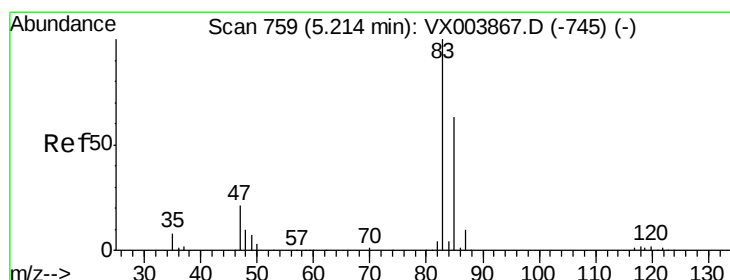
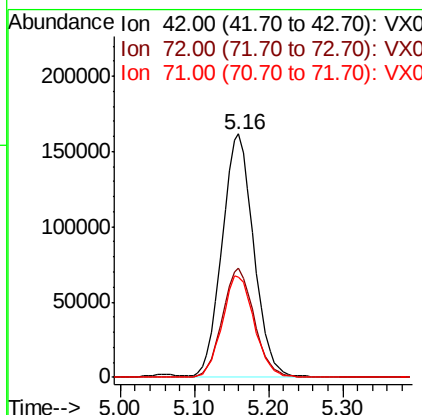
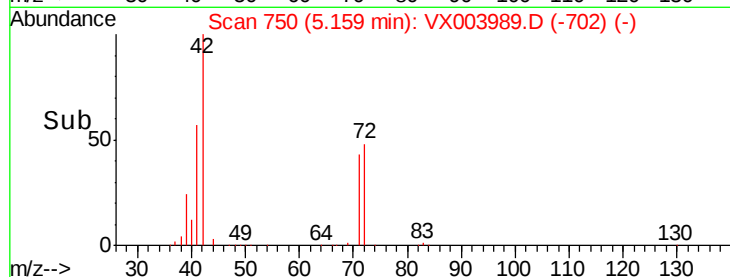
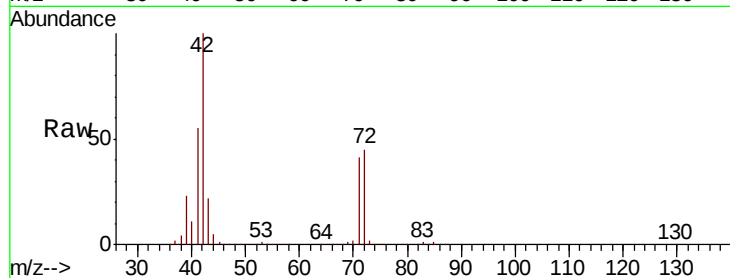
#29  
Tetrahydrofuran  
Concen: 256.15 ug/l  
RT: 5.16 min Scan# 750  
Delta R.T. -0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.6  | 37.7  | 56.5  |
| 71      | 42.3  | 35.0  | 52.6  |

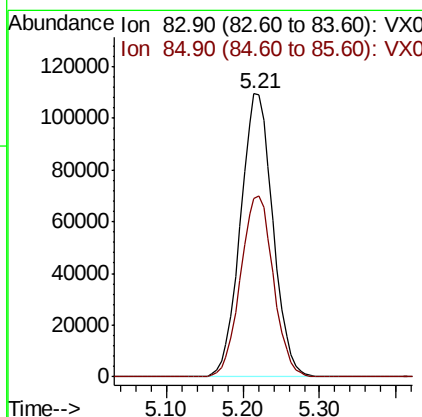
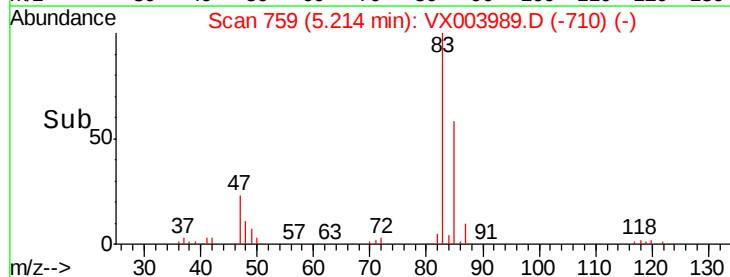
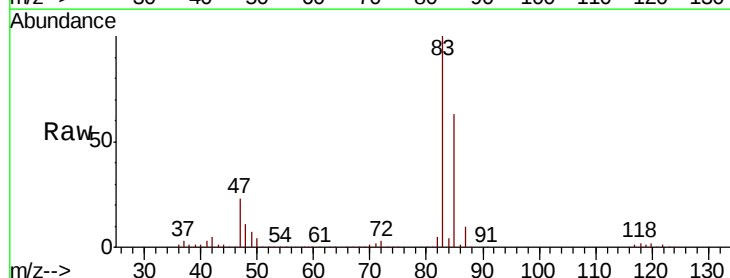
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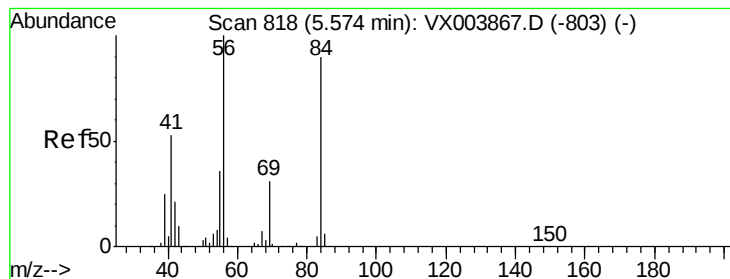
MMDadoda  
8/13/2018 11:02:12 AM



#30  
Chloroform  
Concen: 49.65 ug/l  
RT: 5.21 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.0  | 50.7  | 76.1  |





#31

Cyclohexane

Concen: 46.36 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 270564

Ion Ratio Lower Upper

56 100

69 29.9 24.9 37.3

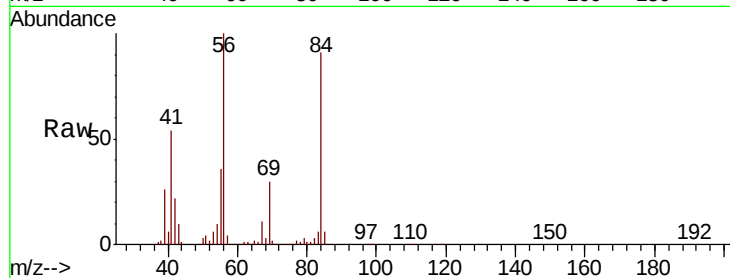
84 89.3 71.7 107.5

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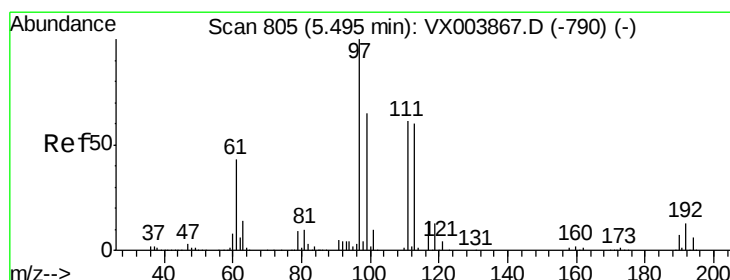
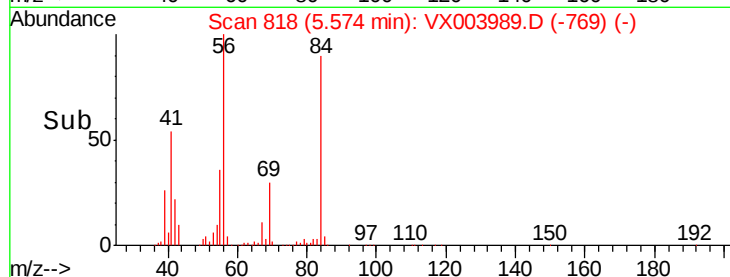
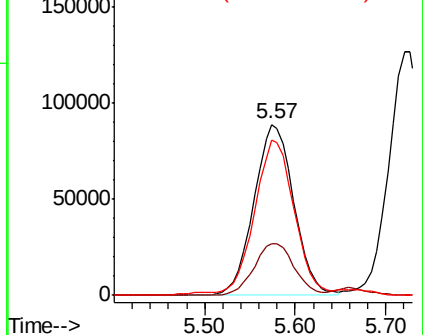
8/13/2018 11:02:12 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 50.46 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

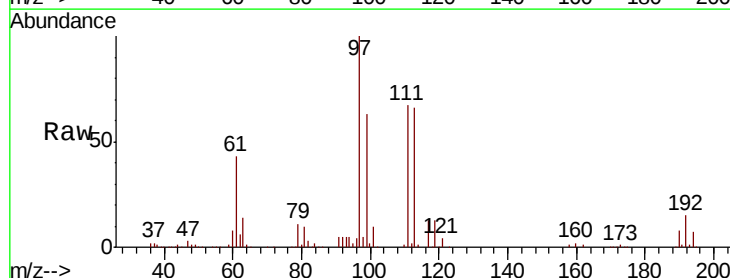
Tgt Ion: 97 Resp: 274890

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

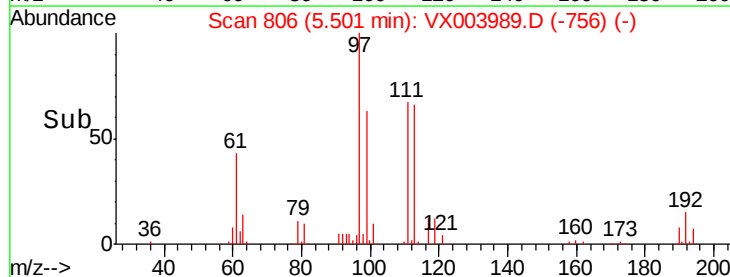
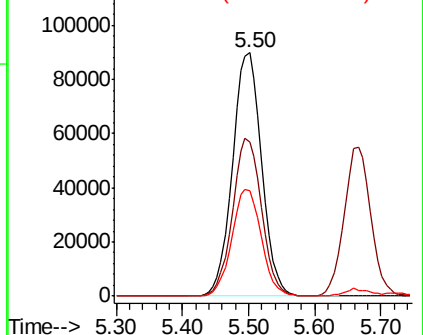
61 44.4 34.4 51.6

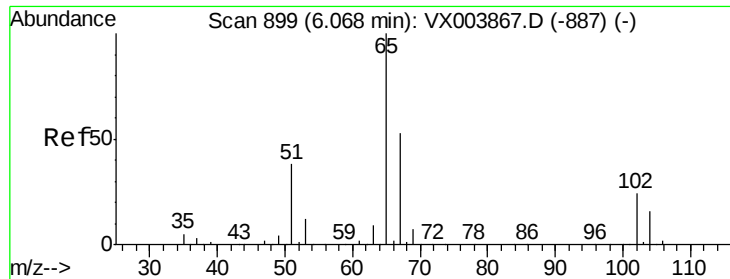


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





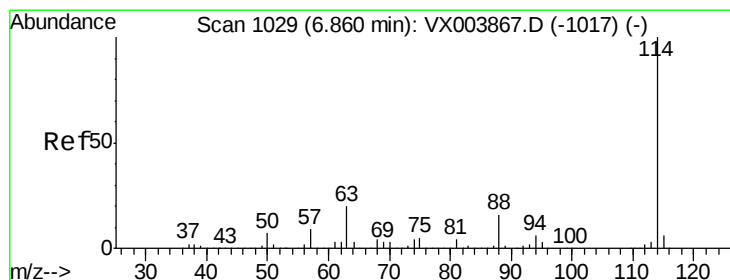
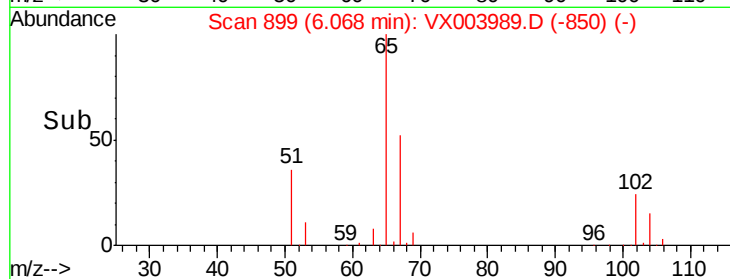
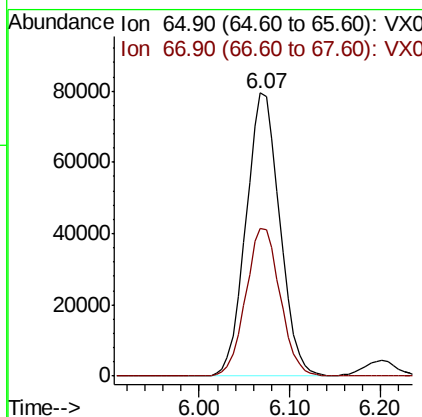
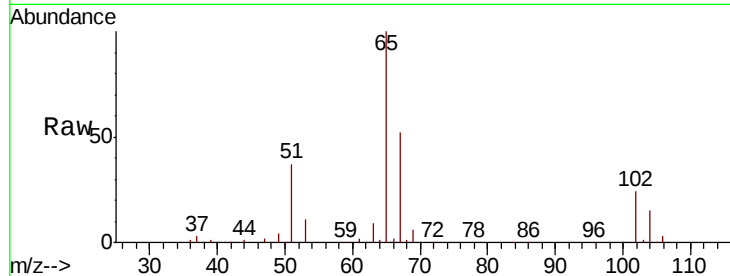
#33  
 1,2-Dichloroethane-d4  
 Concen: 50.65 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 205066 |       |       |
| 67      | 52.9  | 0.0    | 105.8 |       |

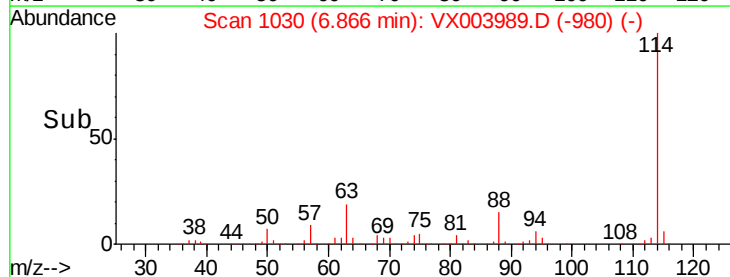
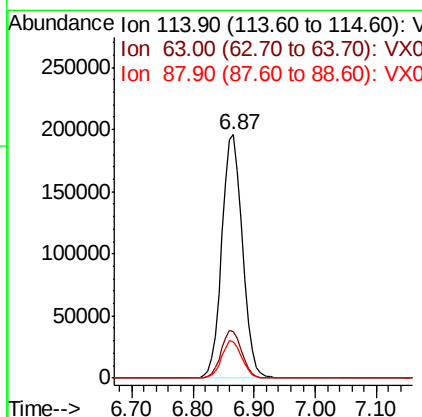
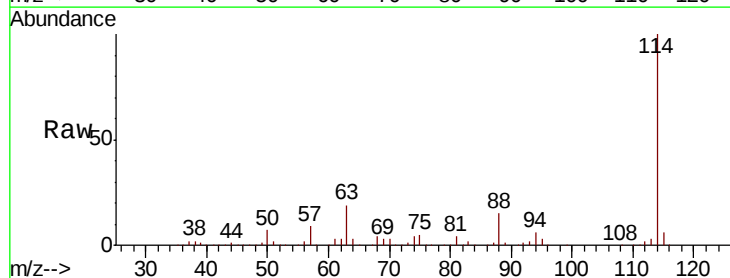
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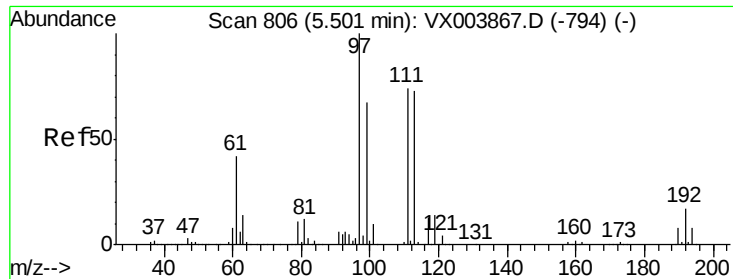
MMDadoda  
 8/13/2018 11:02:12 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.01 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 455757 |       |       |
| 63      | 19.2  | 0.0    | 39.0  |       |
| 88      | 15.1  | 0.0    | 32.0  |       |





#35

Dibromofluoromethane

Concen: 49.19 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

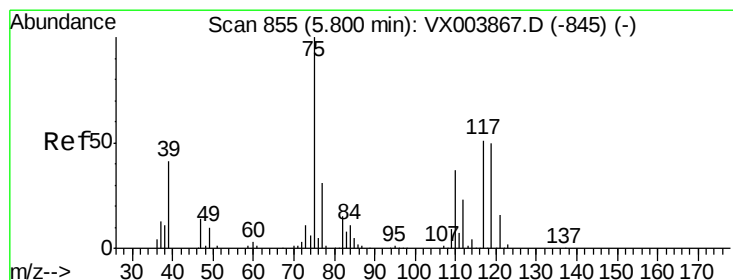
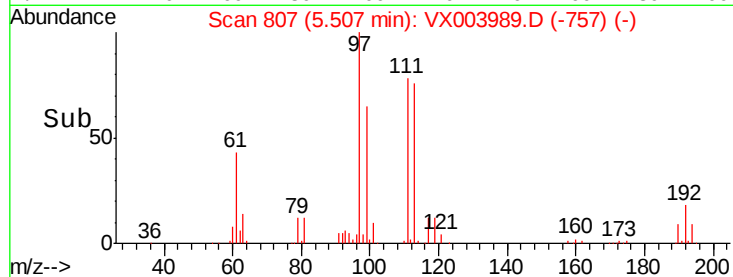
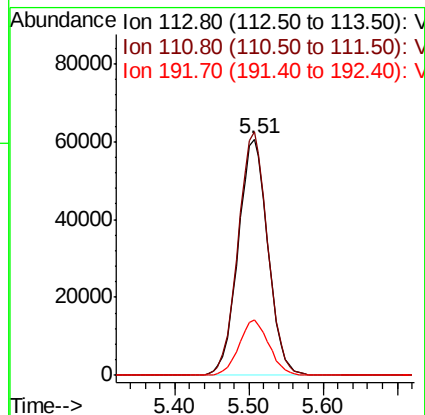
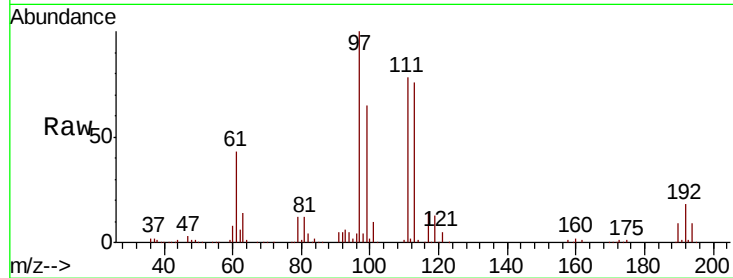
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 169823 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.3 | 82.0  | 123.0  |
| 192       | 23.5  | 19.0  | 28.4   |

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#36

1,1-Dichloropropene

Concen: 46.66 ug/l

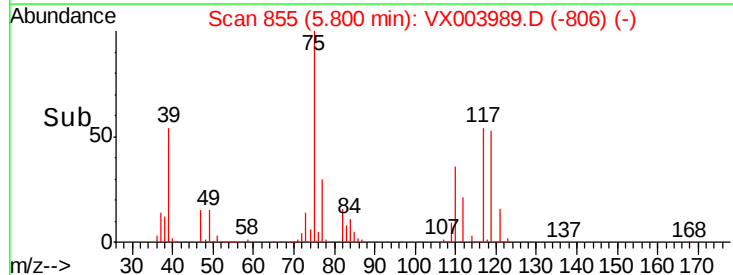
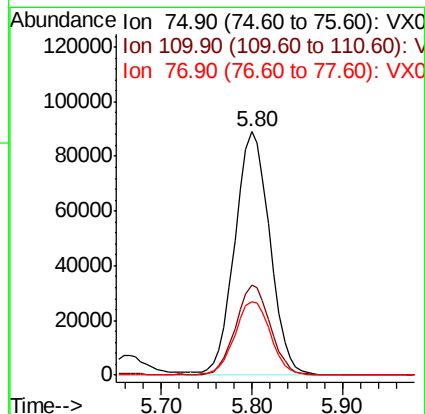
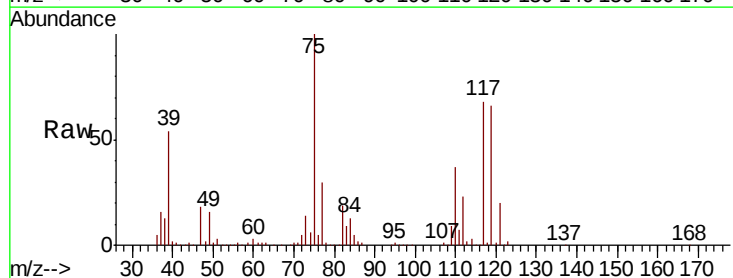
RT: 5.80 min Scan# 855

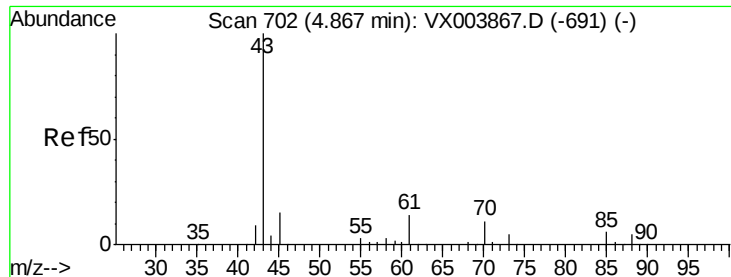
Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 238160 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 36.8  | 18.2  | 54.6   |
| 77        | 31.0  | 25.0  | 37.4   |





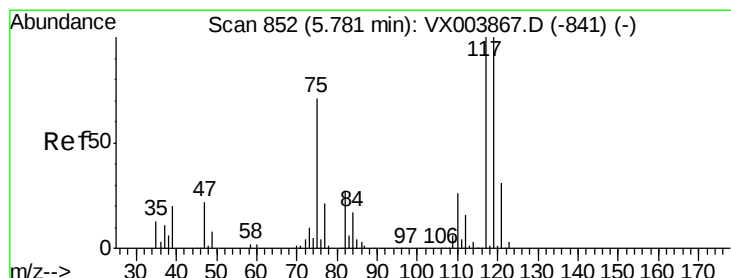
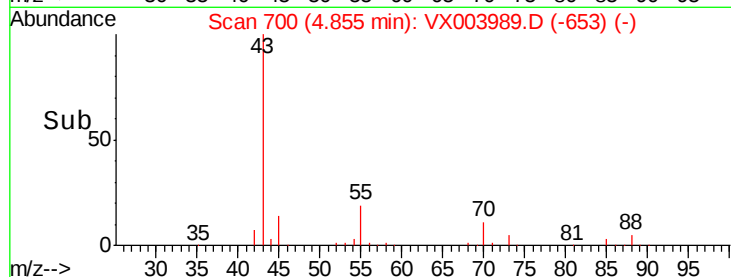
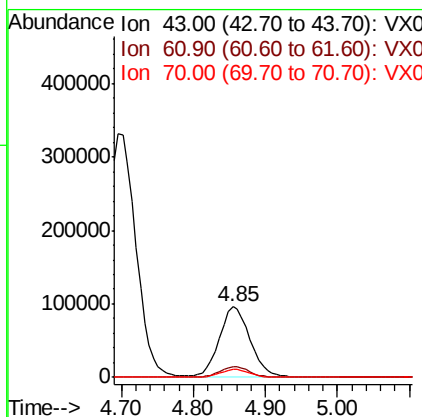
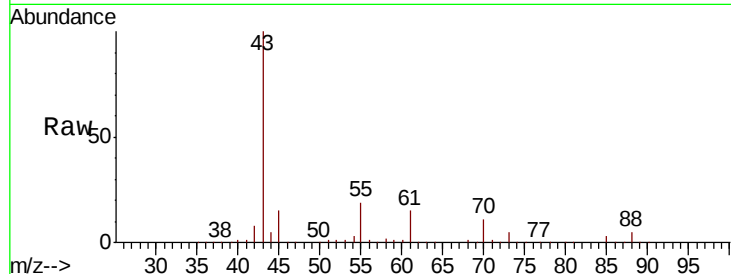
#37  
Ethyl Acetate  
Concen: 50.43 ug/l  
RT: 4.85 min Scan# 700  
Delta R.T. -0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 283159 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.7  | 11.5  | 17.3   |
| 70       | 10.8  | 9.0   | 13.4   |

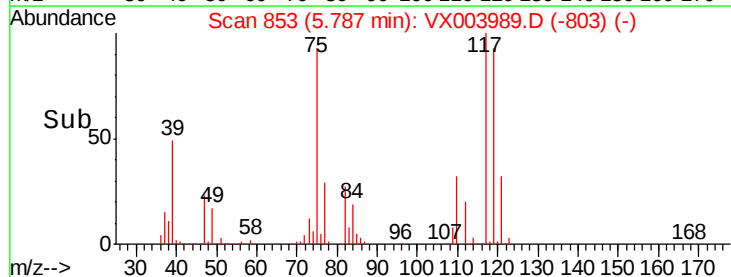
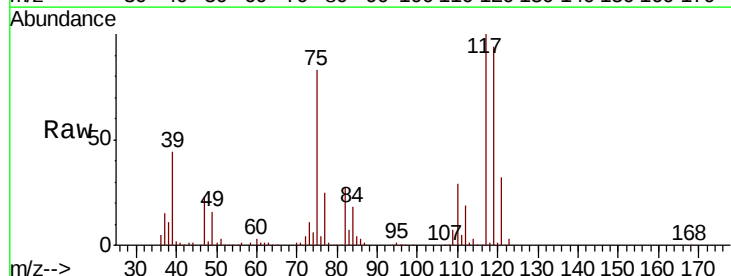
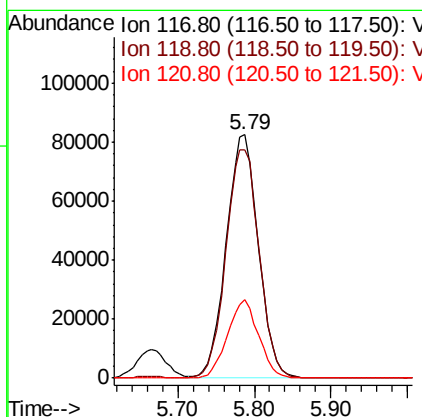
Manual Integrations  
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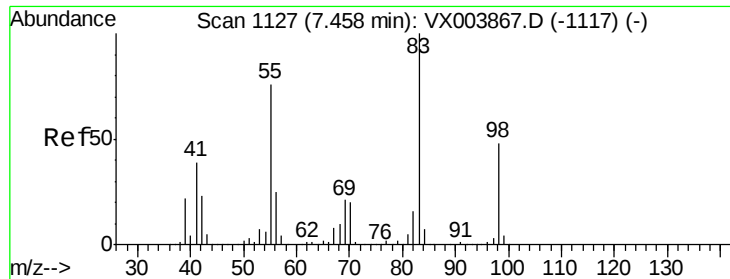
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 49.31 ug/l  
RT: 5.79 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 239587 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.9  | 79.5  | 119.3  |
| 121      | 32.2  | 25.0  | 37.4   |





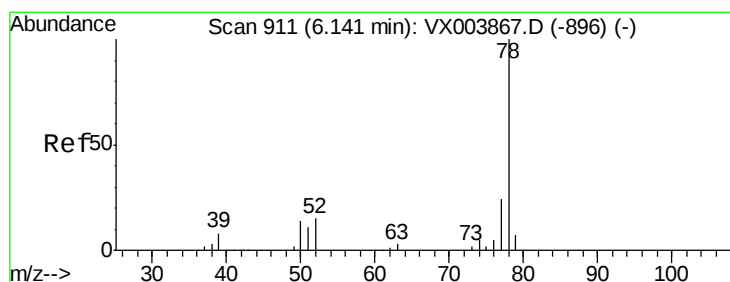
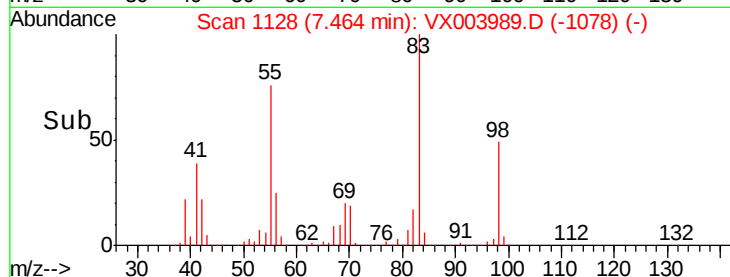
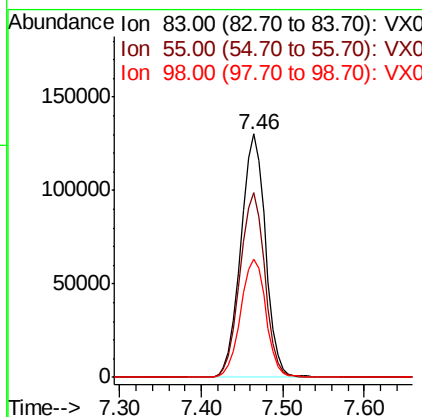
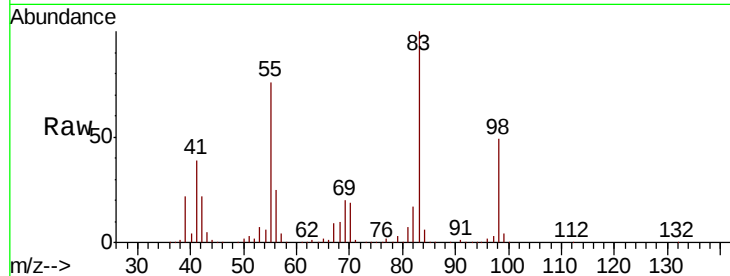
#39  
Methvlcvclohexane  
Concen: 45.54 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.8  | 61.0  | 91.6  |
| 98      | 48.6  | 38.6  | 57.8  |

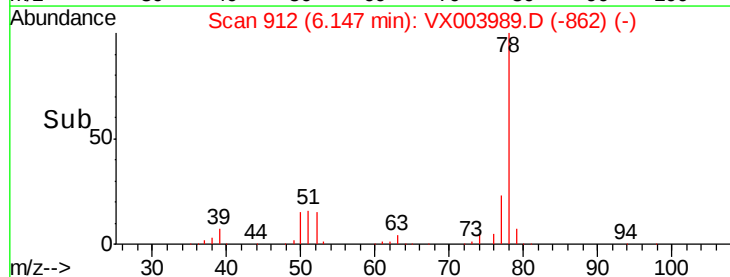
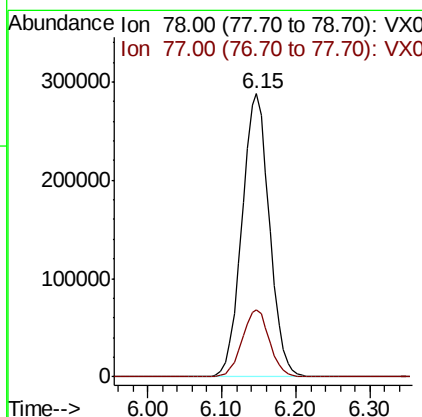
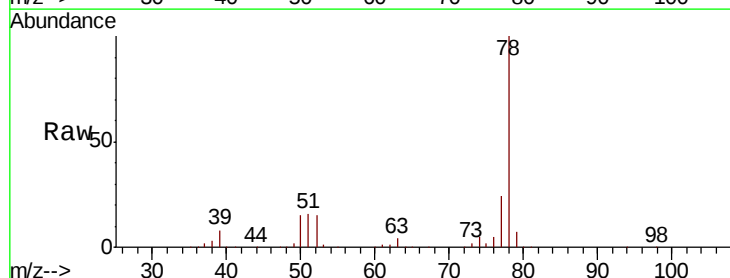
Manual Integrations  
APPROVED

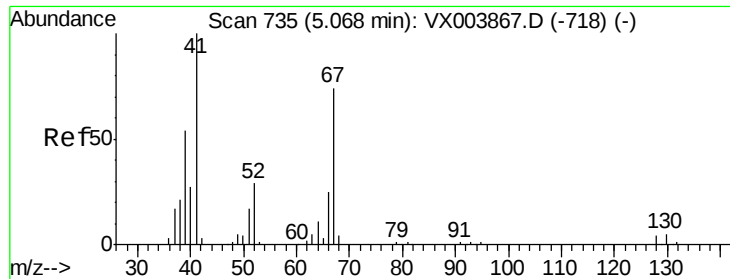
MMDadoda  
8/13/2018 11:02:12 AM



#40  
Benzene  
Concen: 48.58 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. 0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 19.0  | 28.4  |





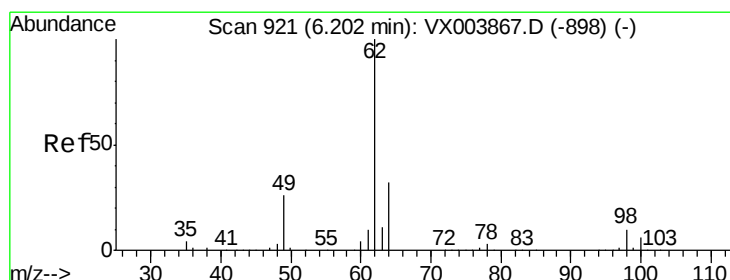
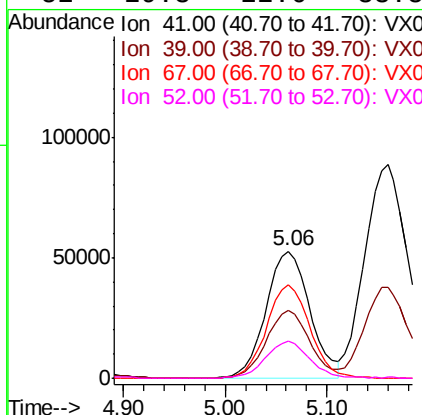
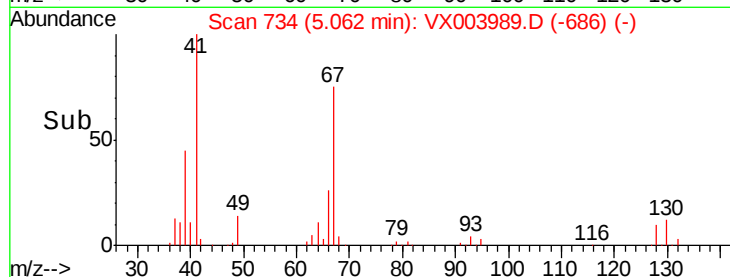
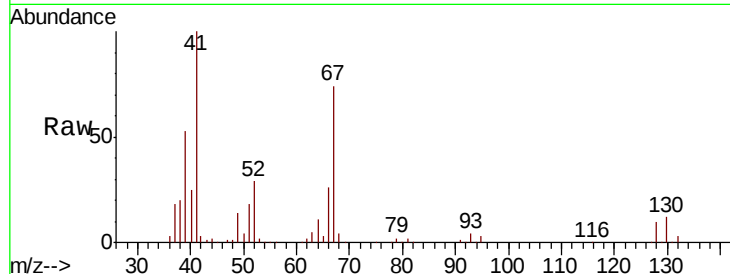
#41  
Methacrylonitrile  
Concen: 50.72 ug/l  
RT: 5.06 min Scan# 734  
Delta R.T. -0.01 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 53.0  | 42.7  | 64.1  |
| 67      | 73.1  | 58.9  | 88.3  |
| 52      | 29.3  | 22.6  | 33.8  |

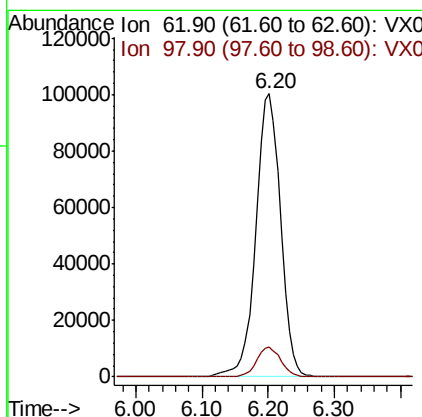
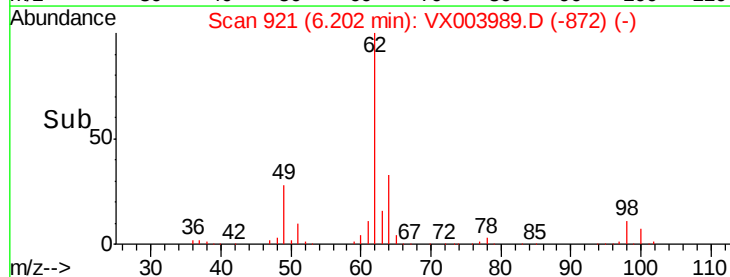
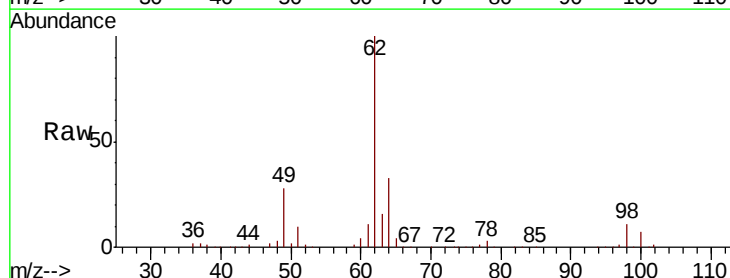
Manual Integrations  
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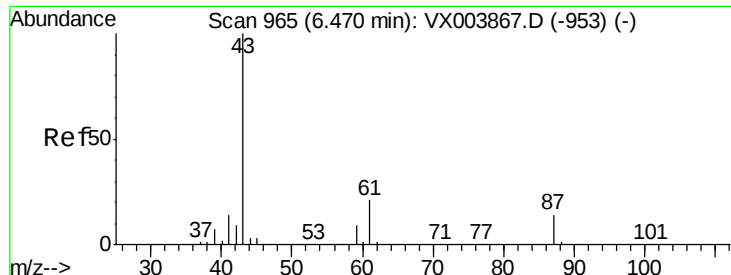
MMDadoda  
8/13/2018 11:02:12 AM



#42  
1,2-Dichloroethane  
Concen: 50.26 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.3  | 0.0   | 20.4  |





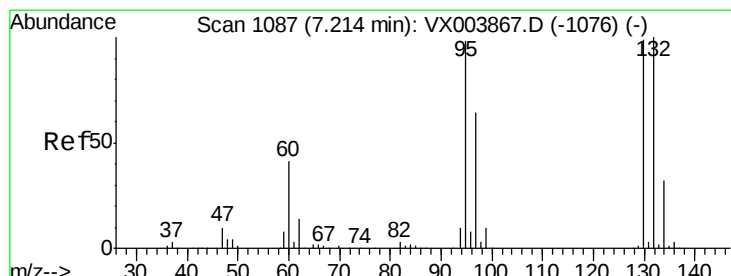
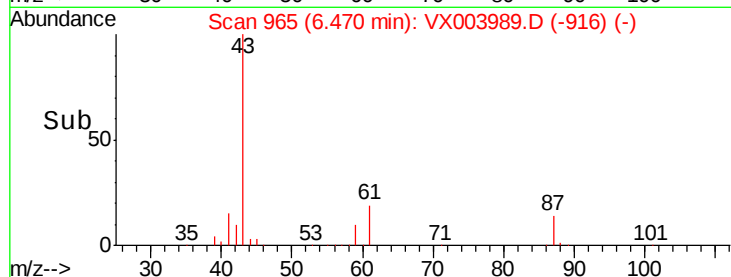
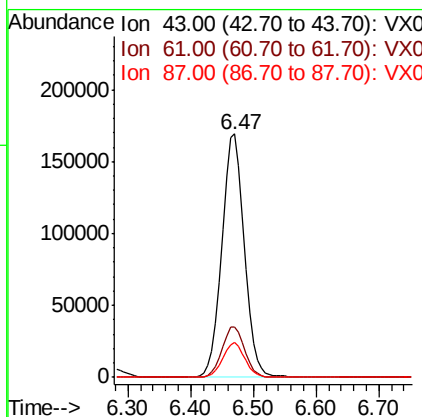
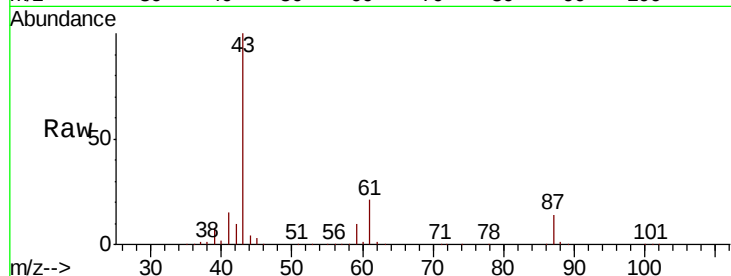
#43  
Isopropyl Acetate  
Concen: 49.53 ug/l  
RT: 6.47 min Scan# 965  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.0  | 16.9  | 25.3  |
| 87      | 14.0  | 11.3  | 16.9  |

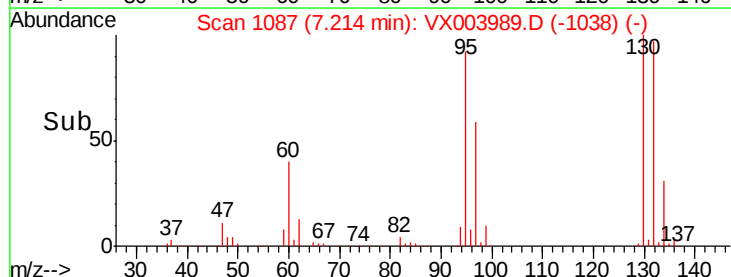
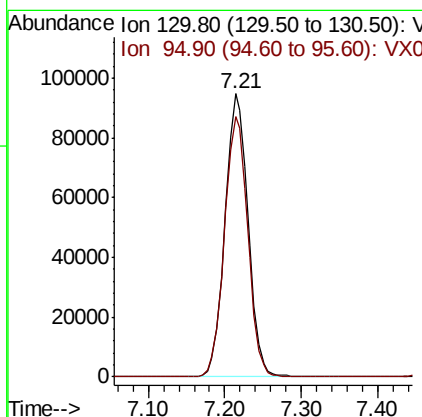
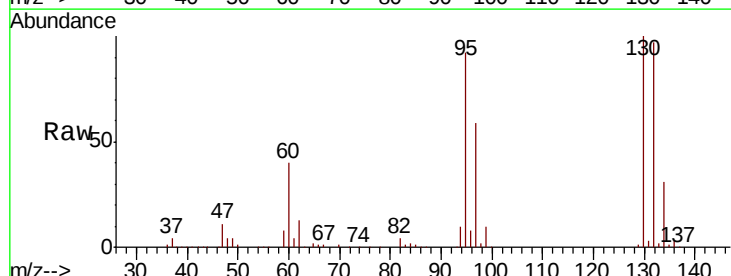
Manual Integrations  
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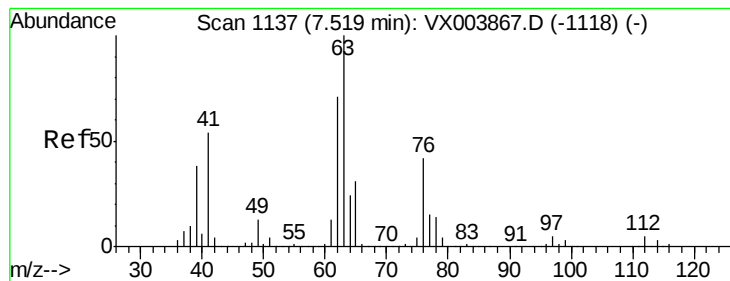
MMDadoda  
8/13/2018 11:02:12 AM



#44  
Trichloroethene  
Concen: 47.03 ug/l  
RT: 7.21 min Scan# 1087  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.1  | 0.0   | 199.4 |





#45

1,2-Dichloropropane

Concen: 49.41 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 195564

Ion Ratio Lower Upper

63 100

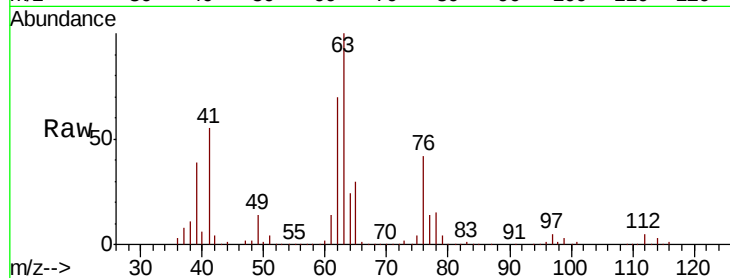
65 30.1 24.6 36.8

Manual Integrations

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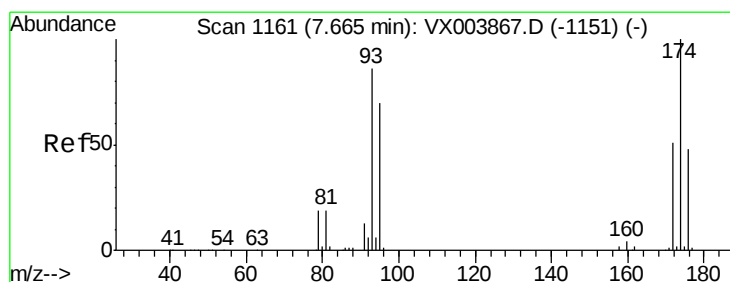
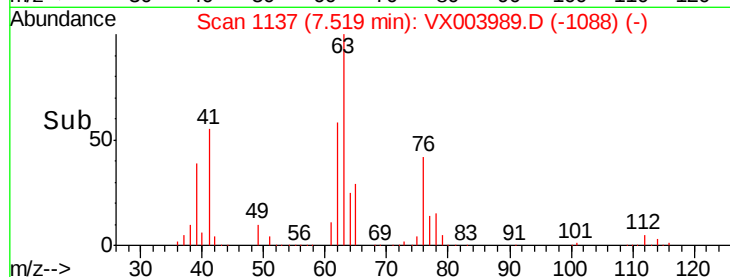
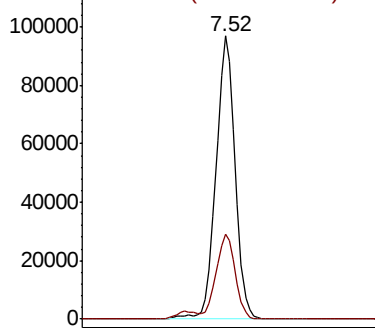
MMDadoda

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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: 49.66 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

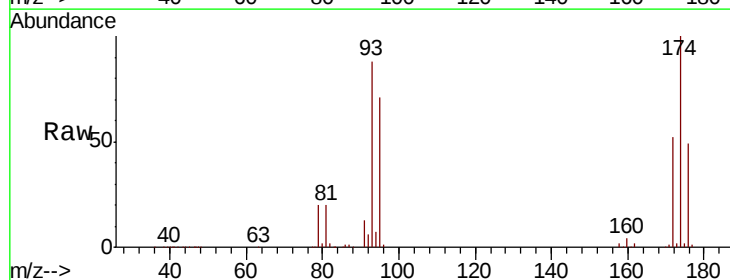
Tgt Ion: 93 Resp: 127604

Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

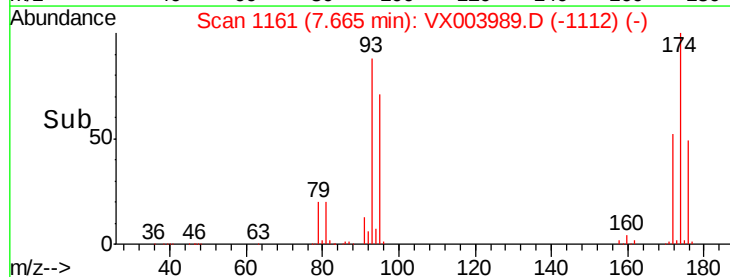
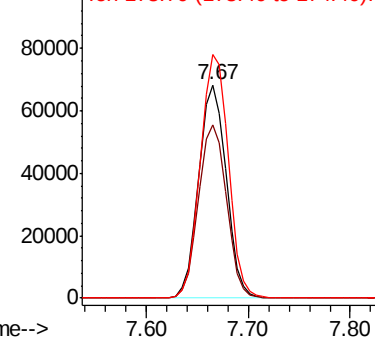
174 116.0 94.3 141.5

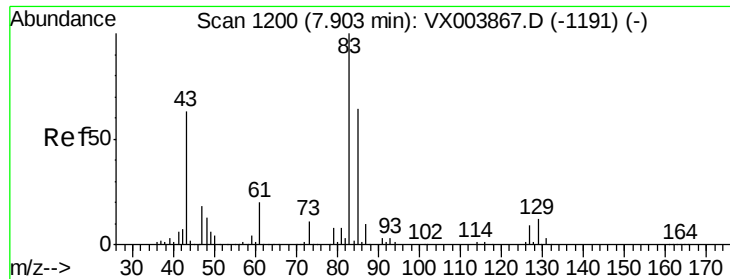


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.97 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

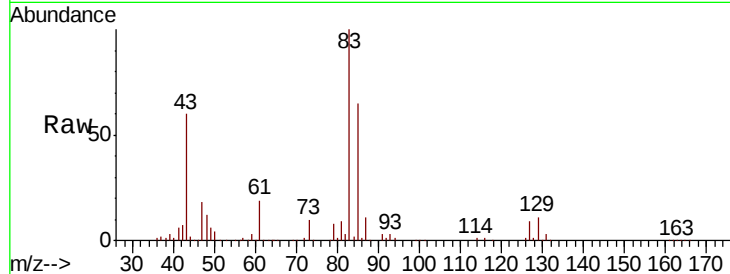
ClientSampleId :

VSTDCCC050EC

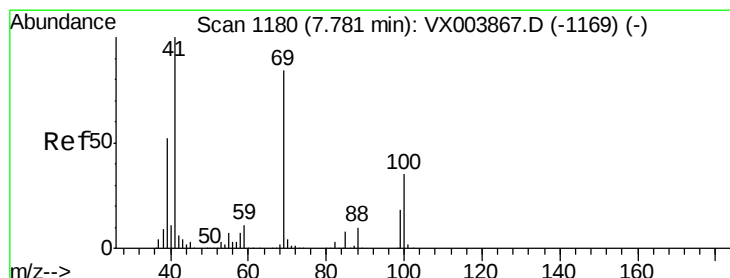
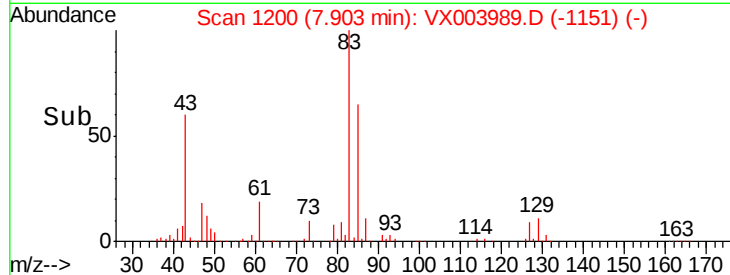
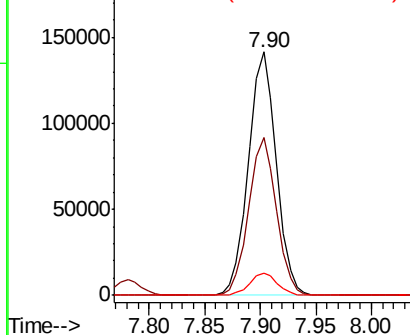
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 246765 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.6  | 51.2  | 76.8   |
| 127       | 9.1   | 7.2   | 10.8   |

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Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.49 ug/l

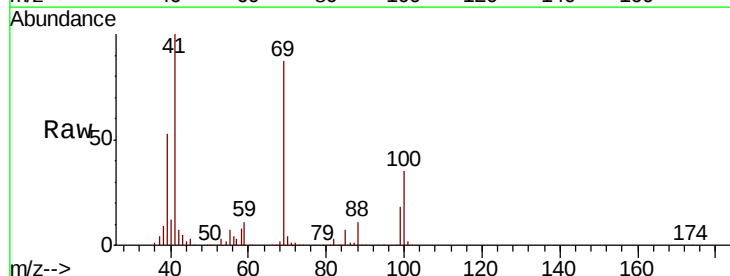
RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

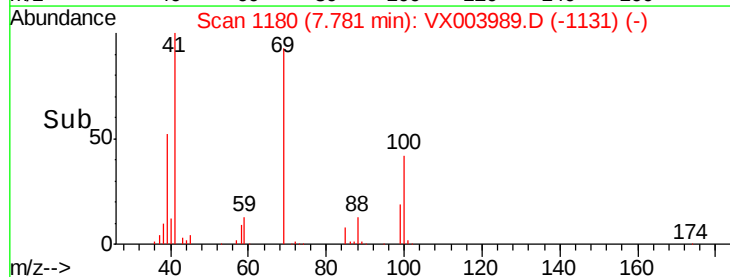
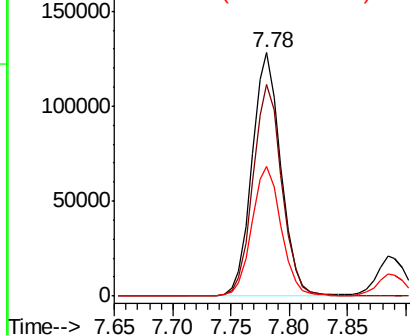
Lab File: VX003989.D

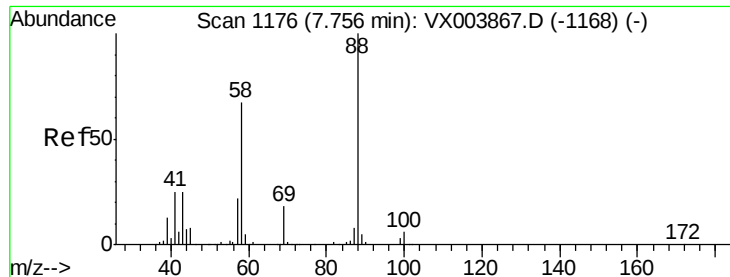
Acq: 10 Aug 2018 20:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 221153 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 87.6  | 68.8  | 103.2  |
| 39        | 54.1  | 42.3  | 63.5   |



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0





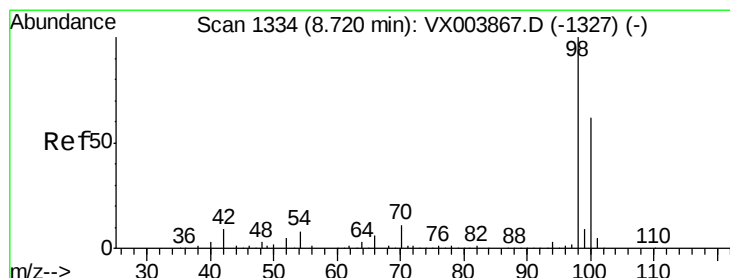
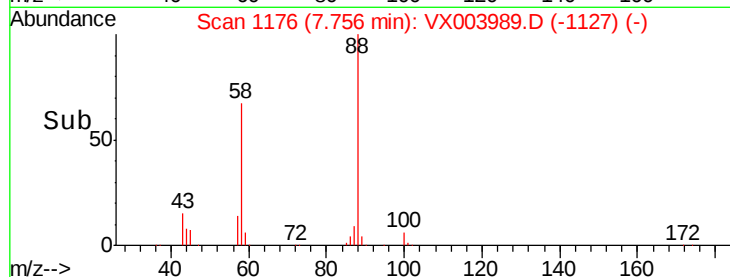
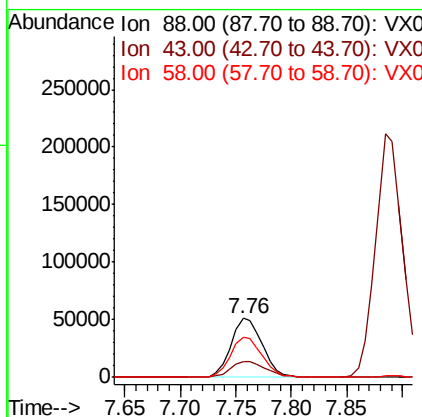
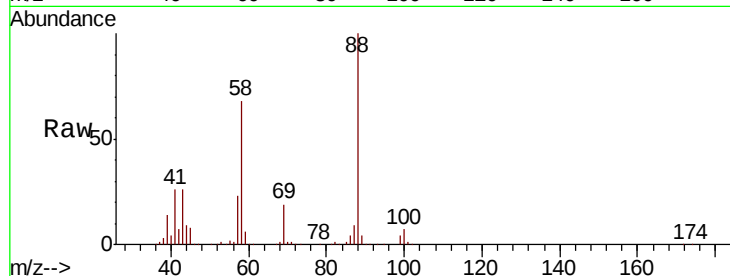
#49  
1,4-Dioxane  
Concen: 987.40 ug/l  
RT: 7.76 min Scan# 1176  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.7  | 23.8  | 35.8  |
| 58      | 69.0  | 55.4  | 83.0  |

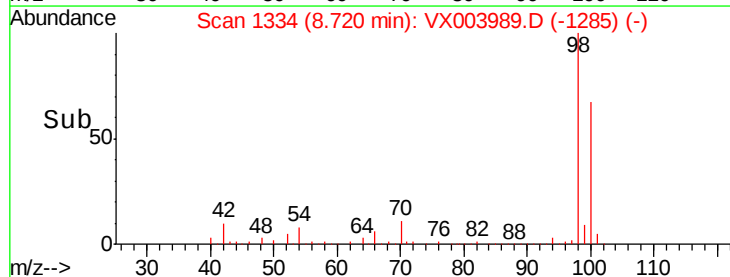
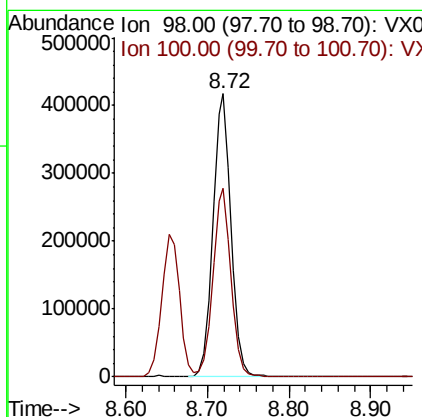
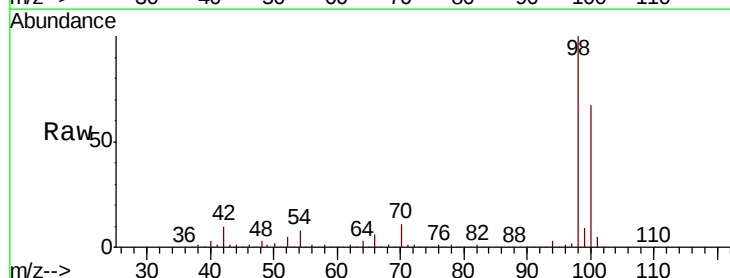
Manual Integrations  
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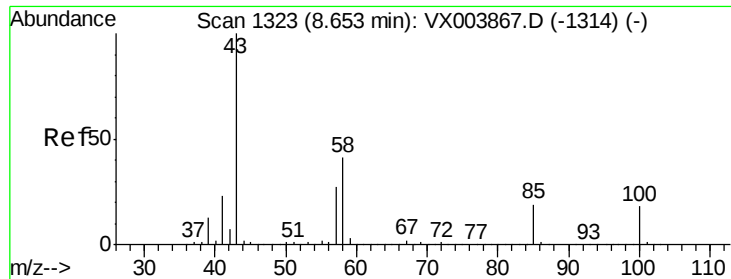
MMDadoda  
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#50  
Toluene-d8  
Concen: 48.55 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.4  | 53.3  | 79.9  |





#51

4-Methyl-2-Pentanone

Concen: 263.56 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1845973

Ion Ratio Lower Upper

43 100

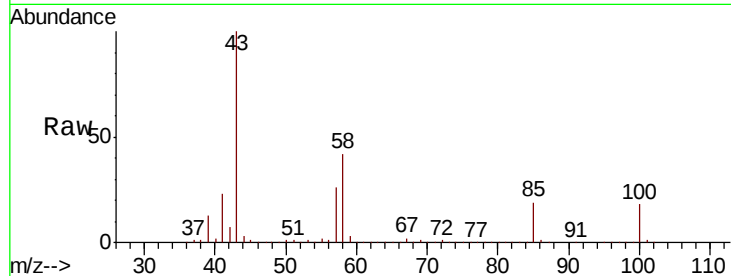
58 41.2 33.0 49.6

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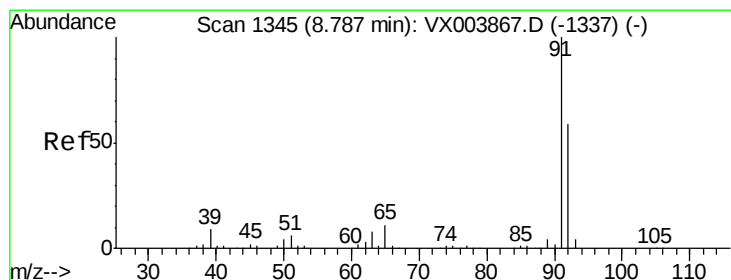
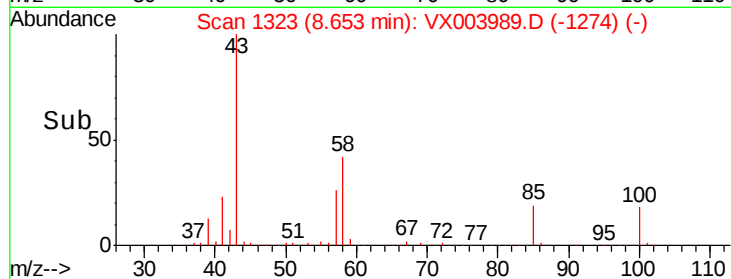
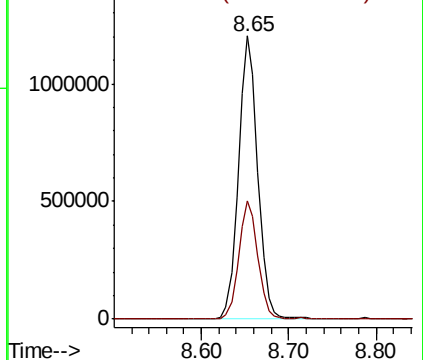
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.54 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003989.D

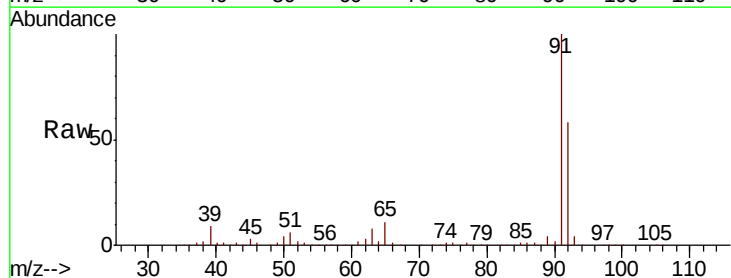
Acq: 10 Aug 2018 20:43

Tgt Ion: 92 Resp: 479773

Ion Ratio Lower Upper

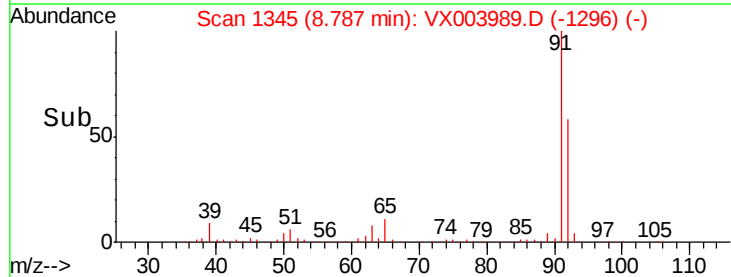
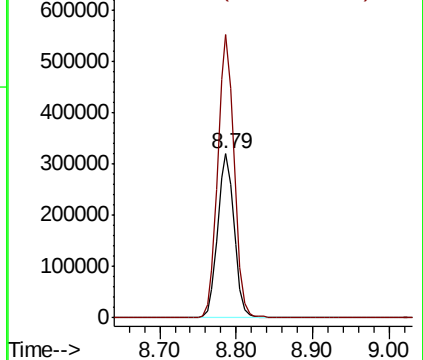
92 100

91 171.0 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





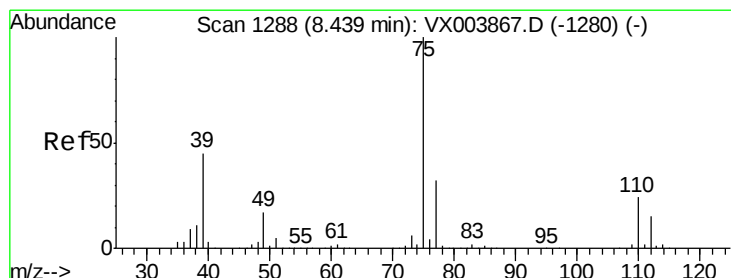
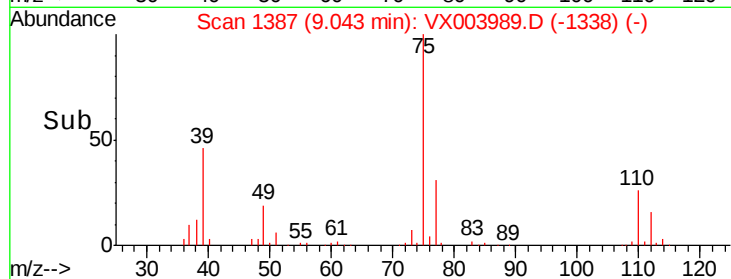
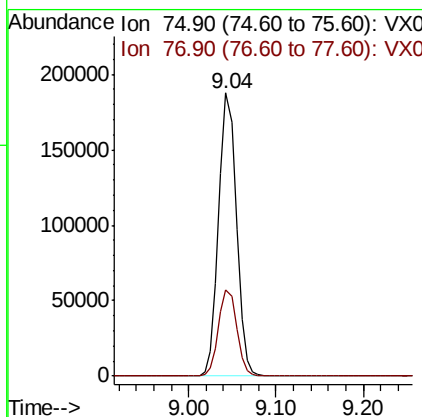
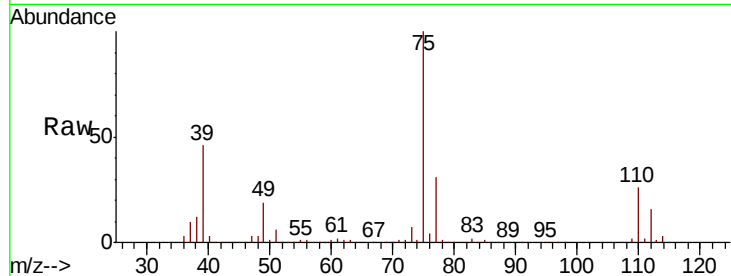
#53  
t-1,3-Dichloropropene  
Concen: 48.46 ug/l  
RT: 9.04 min Scan# 1387  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.7  | 25.1  | 37.7  |

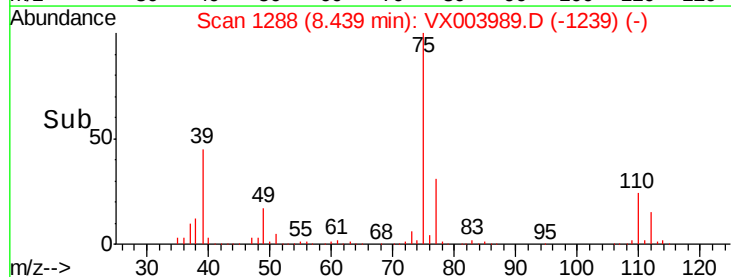
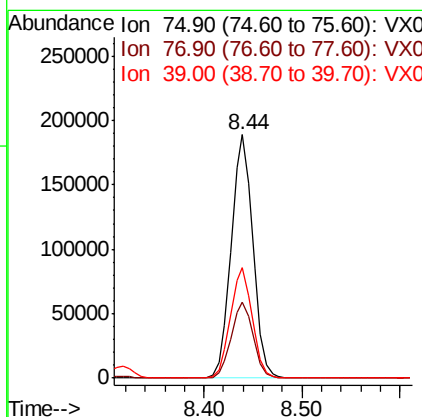
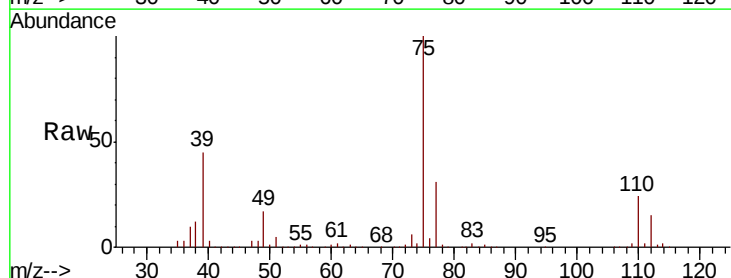
Manual Integrations  
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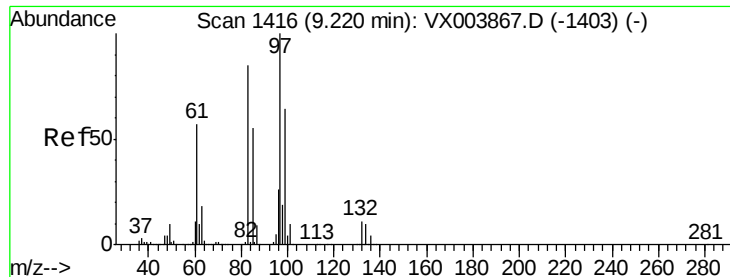
MMDadoda  
8/13/2018 11:02:12 AM



#54  
cis-1,3-Dichloropropene  
Concen: 49.13 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 25.3  | 37.9  |
| 39      | 45.3  | 36.2  | 54.2  |





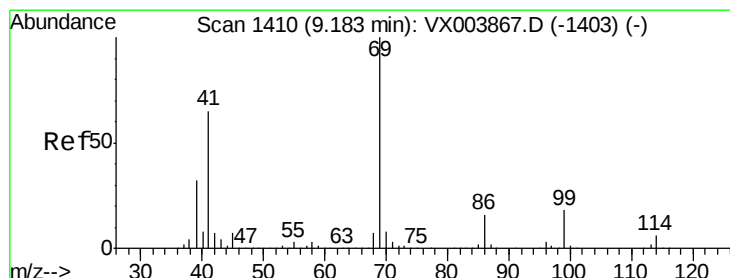
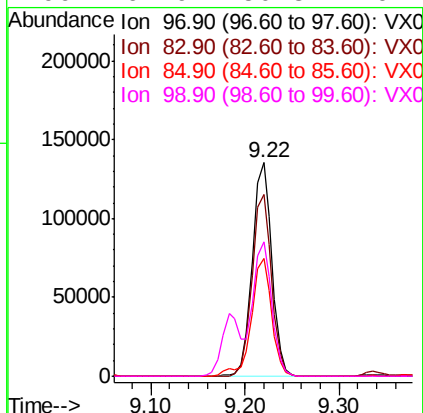
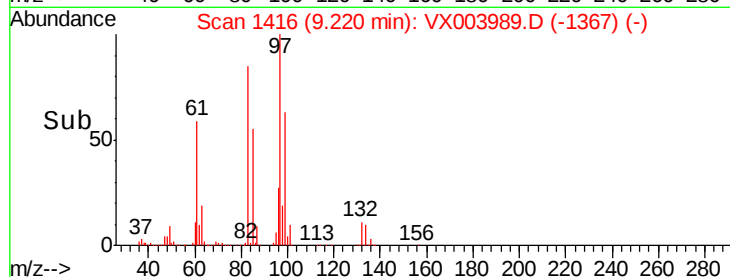
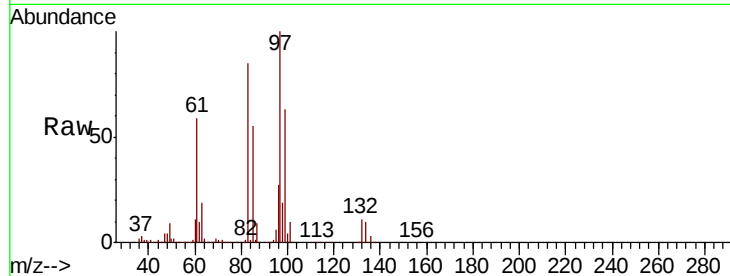
#55  
 1,1,2-Trichloroethane  
 Concen: 50.15 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 198493 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.0  | 67.8  | 101.6  |
| 85       | 55.3  | 44.2  | 66.2   |
| 99       | 62.9  | 50.8  | 76.2   |

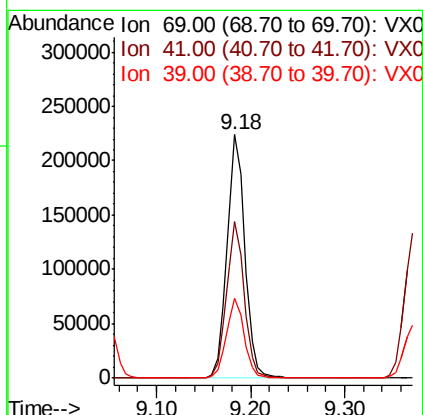
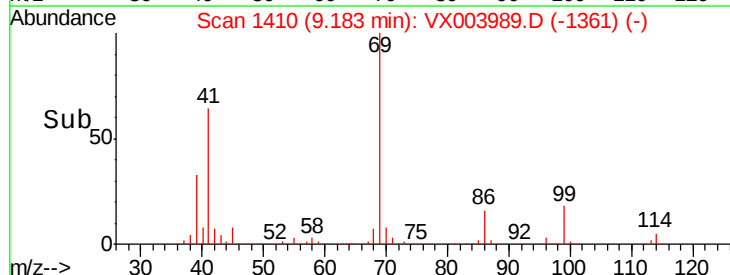
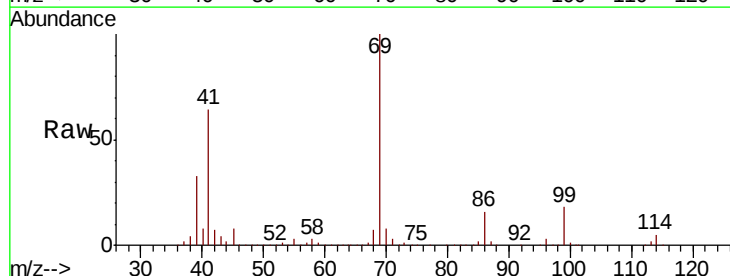
Manual Integrations  
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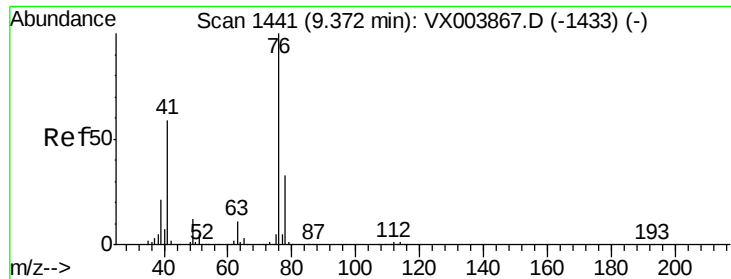
MMDadoda  
 8/13/2018 11:02:12 AM



#56  
 Ethyl methacrylate  
 Concen: 51.31 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 294605 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 63.6  | 50.6  | 76.0   |
| 39       | 32.7  | 25.8  | 38.6   |





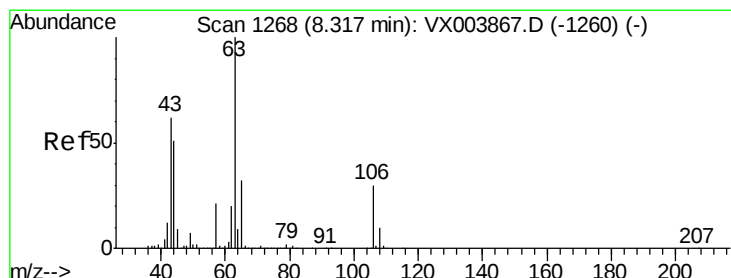
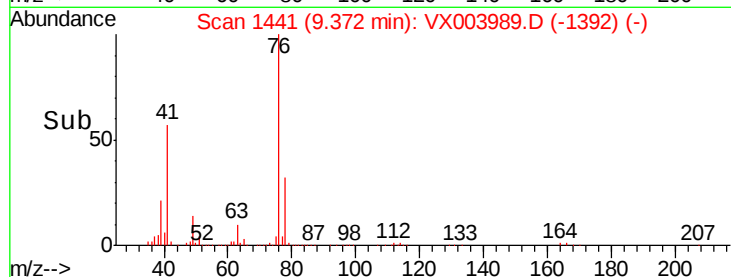
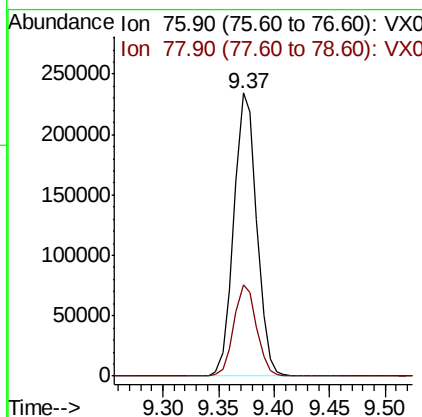
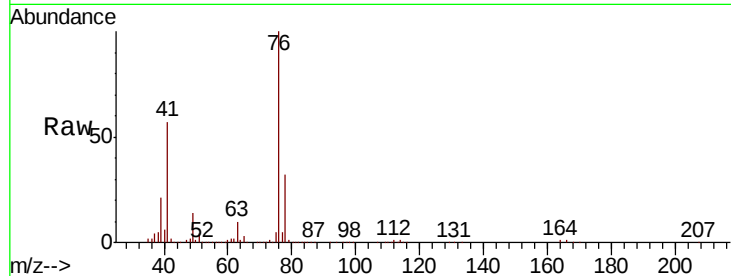
#57  
 1,3-Dichloropropane  
 Concen: 50.27 ug/l  
 RT: 9.37 min Scan# 1441  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.3  | 25.9  | 38.9  |

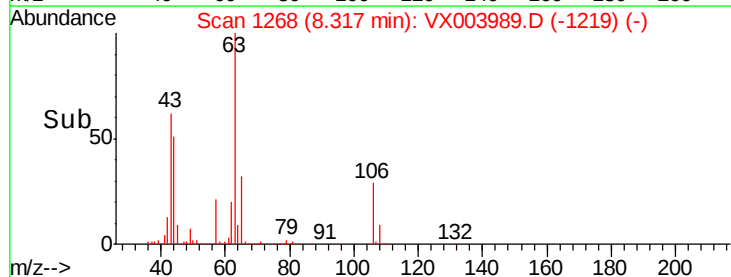
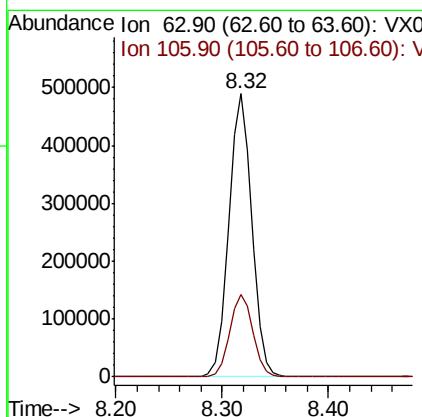
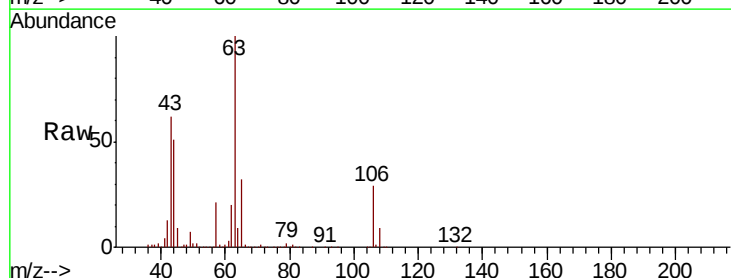
Manual Integrations  
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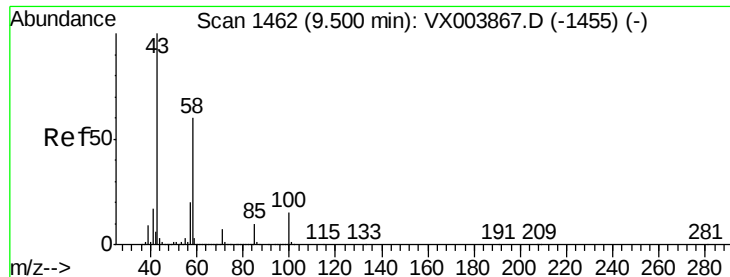
MMDadoda  
 8/13/2018 11:02:12 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 261.82 ug/l  
 RT: 8.32 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.4  | 23.8  | 35.8  |





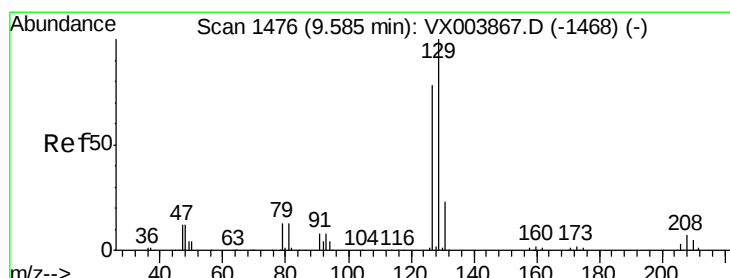
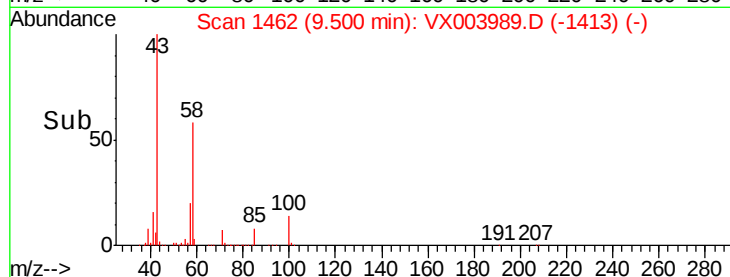
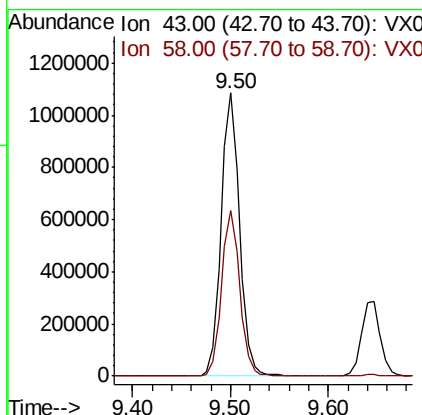
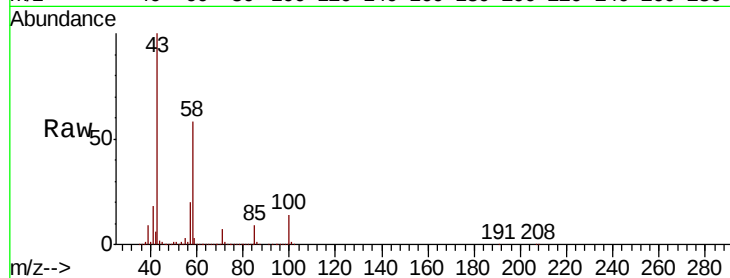
#59  
2-Hexanone  
Concen: 270.82 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1417837  
Ion Ratio Lower Upper  
43 100  
58 58.0 29.0 87.0

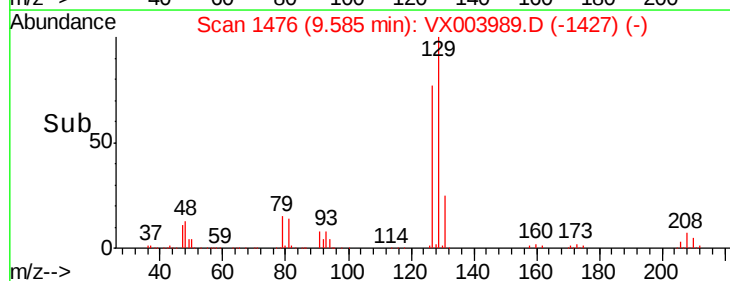
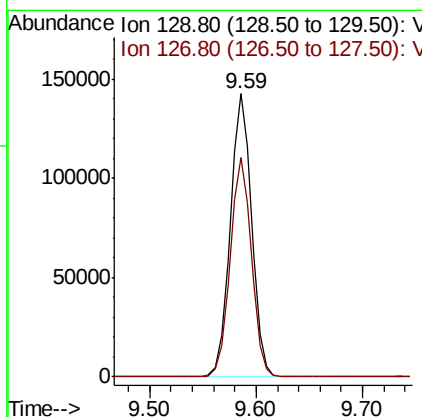
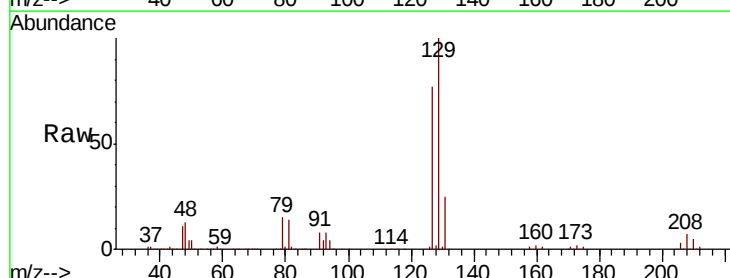
Manual Integrations  
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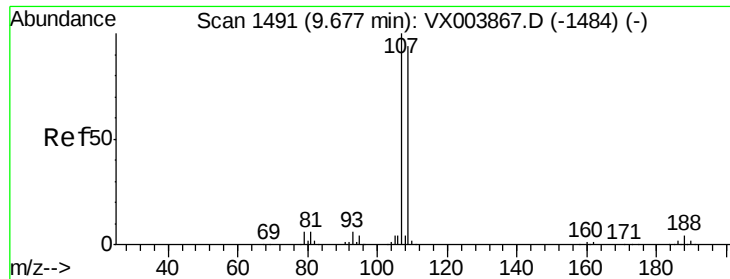
MMDadoda  
8/13/2018 11:02:12 AM



#60  
Dibromochloromethane  
Concen: 54.24 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Tgt Ion: 129 Resp: 200125  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 52.14 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 206602

Ion Ratio Lower Upper

107 100

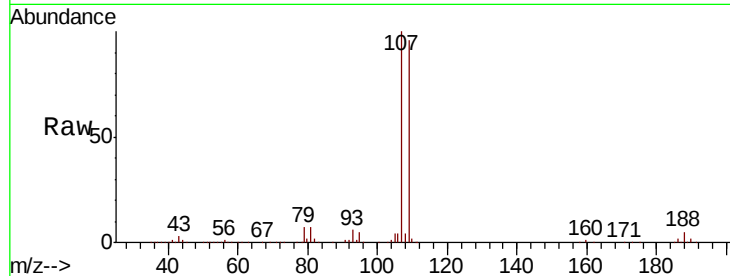
109 94.7 75.8 113.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

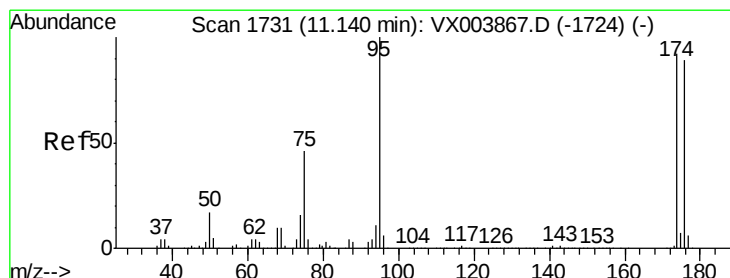
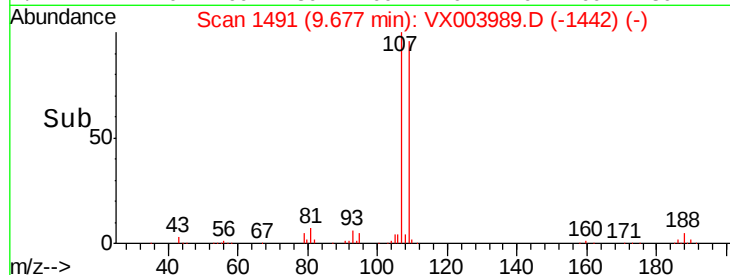
100000

50000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 56.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

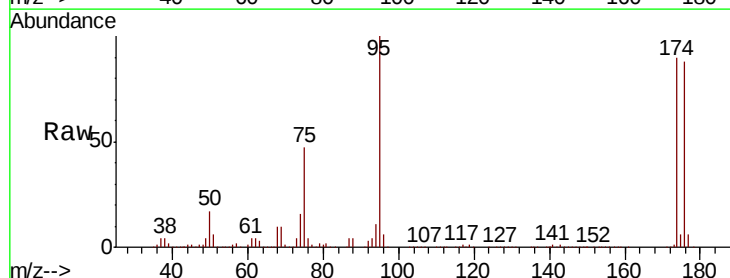
Tgt Ion: 95 Resp: 245297

Ion Ratio Lower Upper

95 100

174 90.4 0.0 182.8

176 87.6 0.0 179.0



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

250000

200000

150000

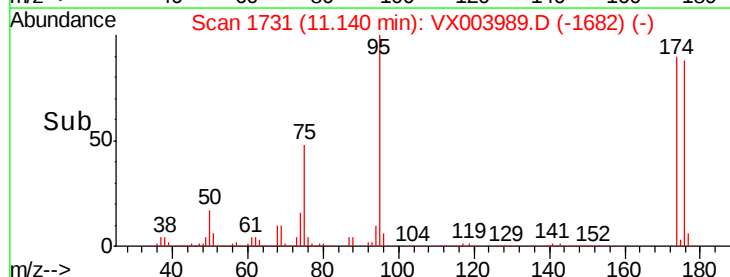
100000

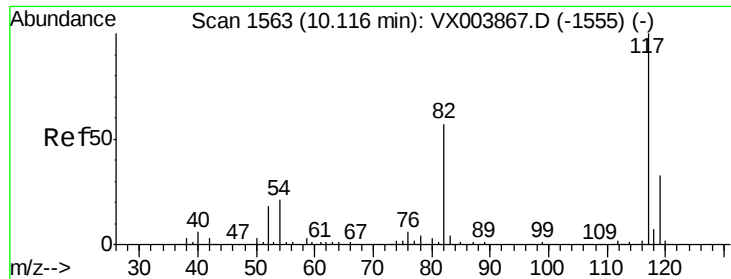
50000

0

11.10 11.20

Time-->





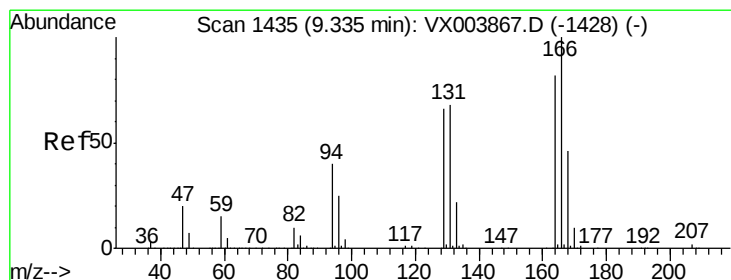
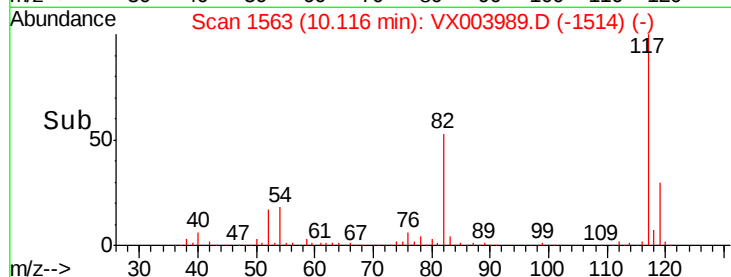
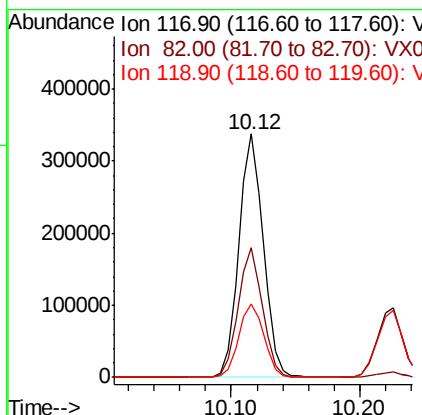
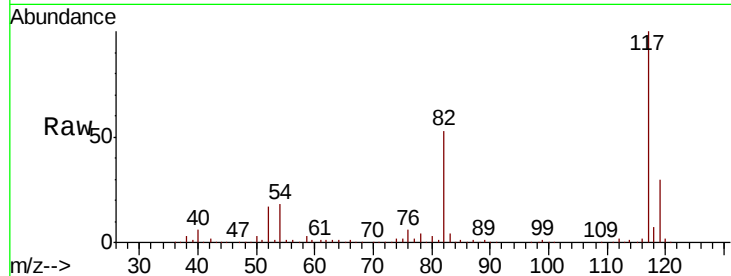
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 45.4  | 68.0  |
| 119     | 30.1  | 26.6  | 40.0  |

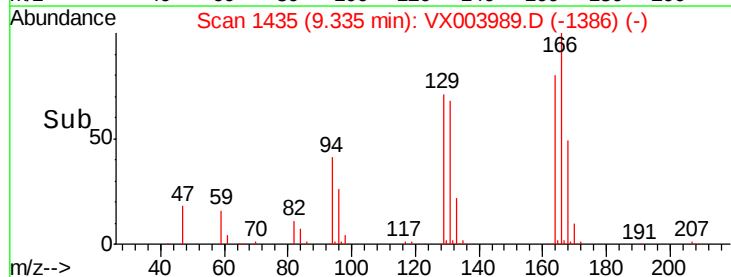
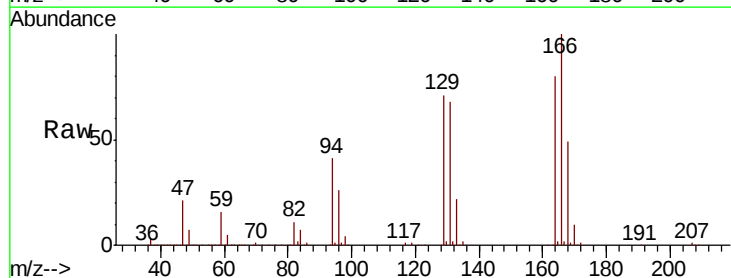
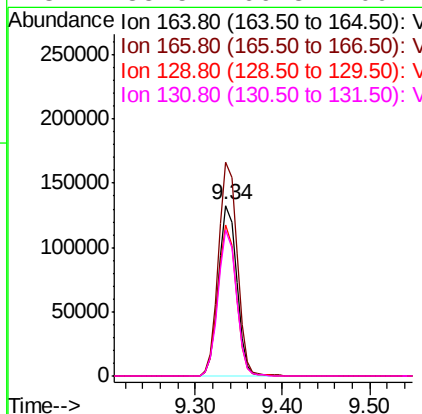
Manual Integrations  
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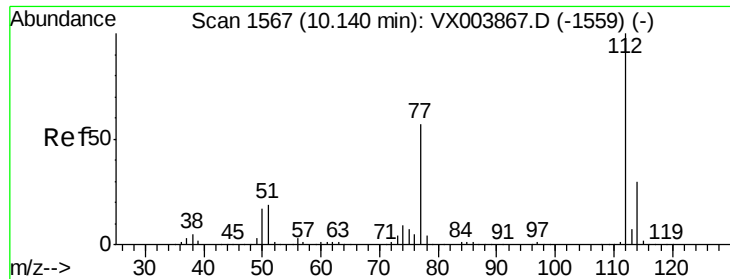
MMDadoda  
8/13/2018 11:02:12 AM



#64  
Tetrachloroethene  
Concen: 44.11 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.1 | 98.0  | 147.0 |
| 129     | 88.7  | 64.3  | 96.5  |
| 131     | 85.5  | 66.8  | 100.2 |





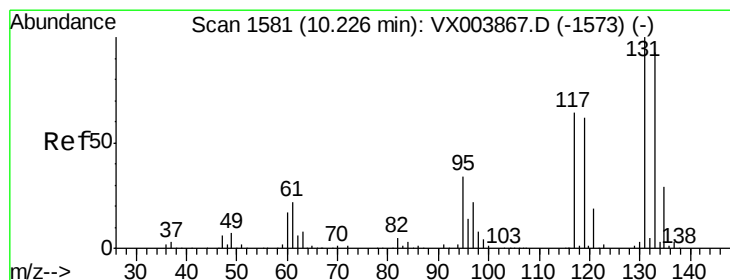
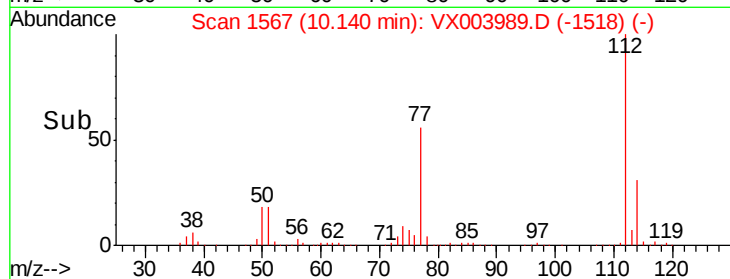
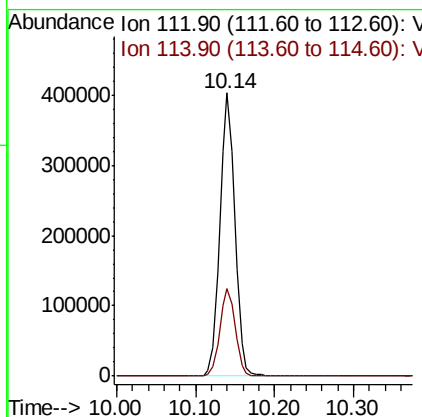
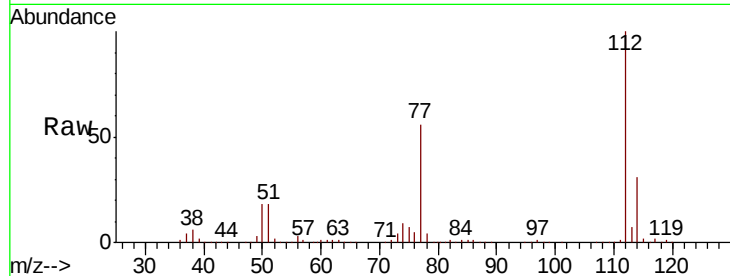
#65  
Chlorobenzene  
Concen: 46.44 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 534831  
Ion Ratio Lower Upper  
112 100  
114 30.9 23.6 35.4

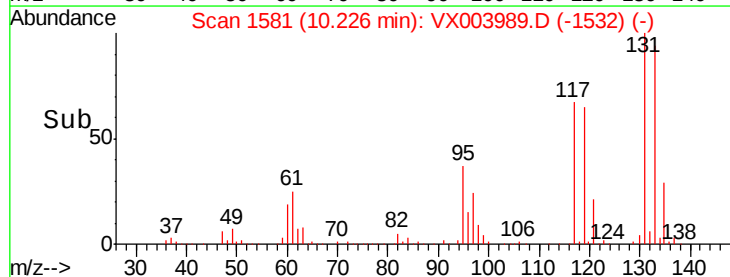
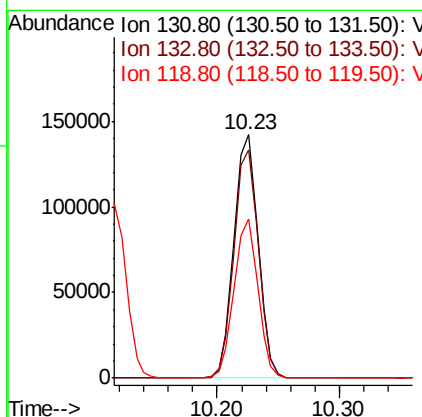
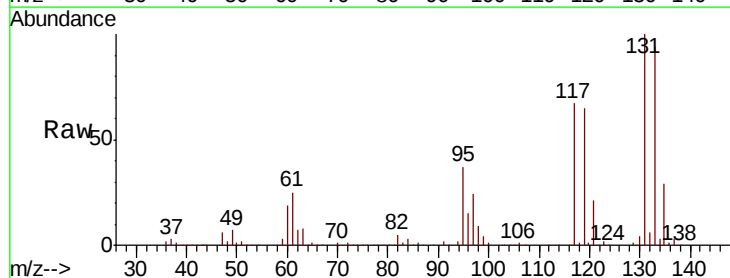
Manual Integrations  
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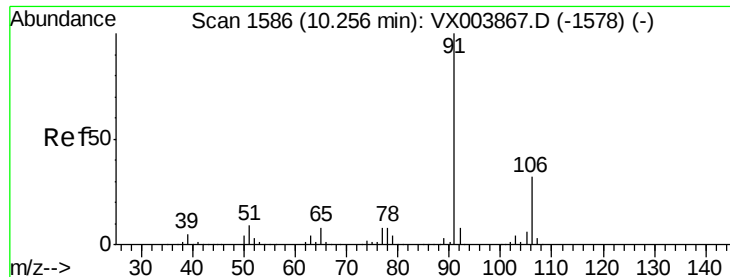
MMDadoda  
8/13/2018 11:02:12 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.02 ug/l  
RT: 10.23 min Scan# 1581  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Tgt Ion:131 Resp: 194093  
Ion Ratio Lower Upper  
131 100  
133 94.7 47.3 141.8  
119 64.6 31.6 94.8





#67

Ethyl Benzene

Concen: 47.86 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 902417

Ion Ratio Lower Upper

91 100

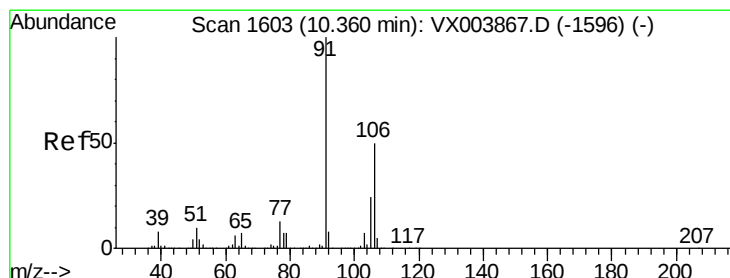
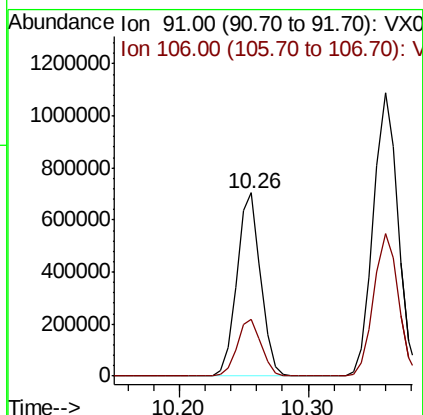
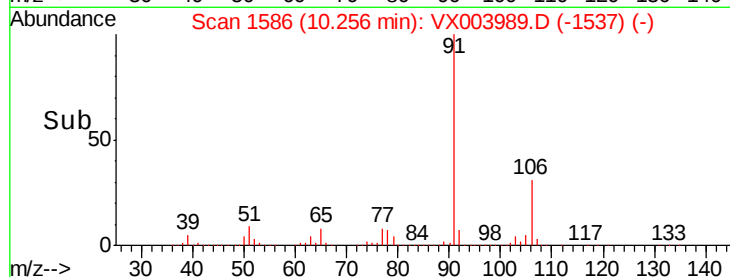
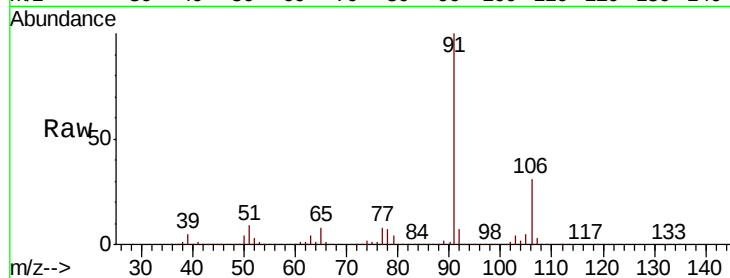
106 31.4 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.79 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003989.D

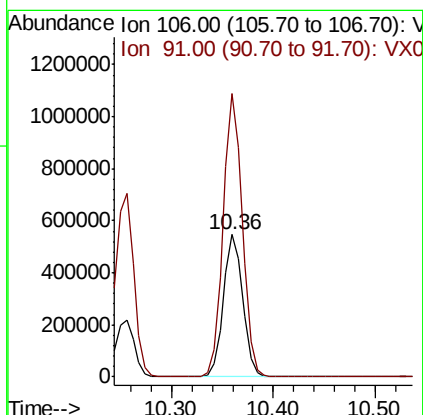
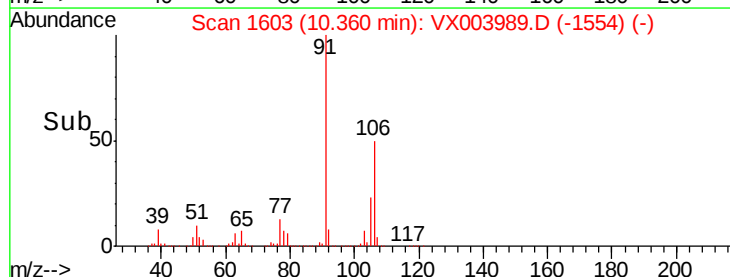
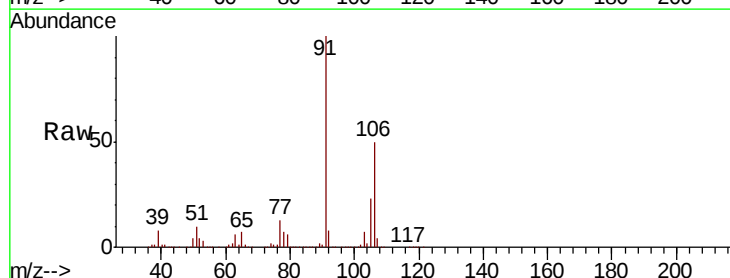
Acq: 10 Aug 2018 20:43

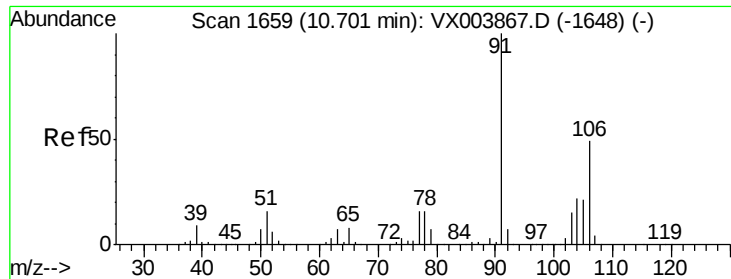
Tgt Ion: 106 Resp: 720398

Ion Ratio Lower Upper

106 100

91 197.7 162.3 243.5





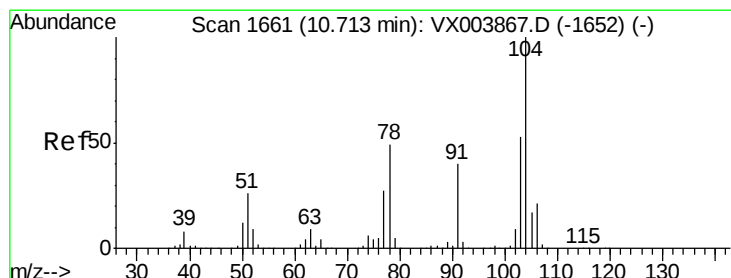
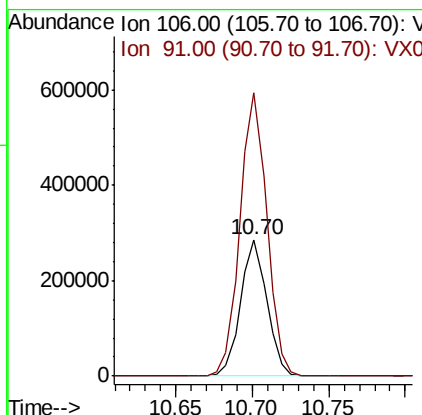
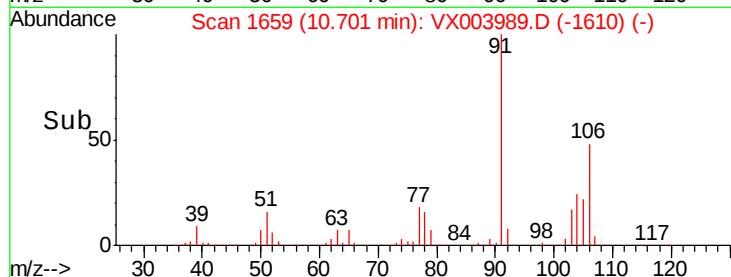
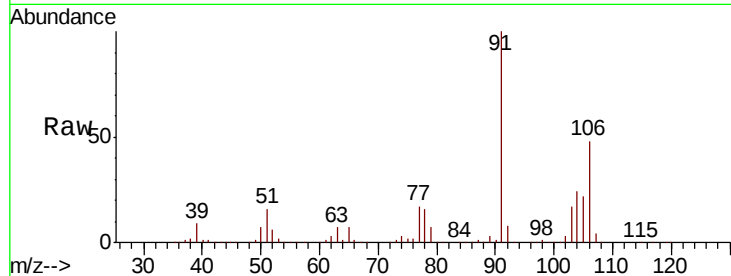
#69  
o-Xylene  
Concen: 49.12 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 341609  
Ion Ratio Lower Upper  
106 100  
91 211.9 101.9 305.7

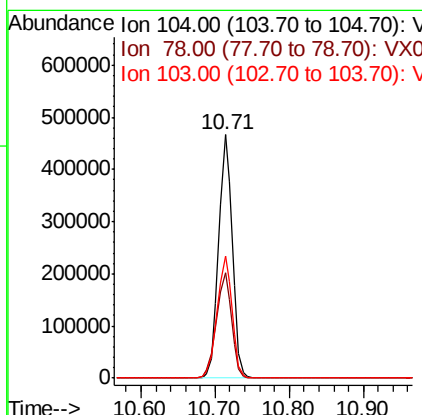
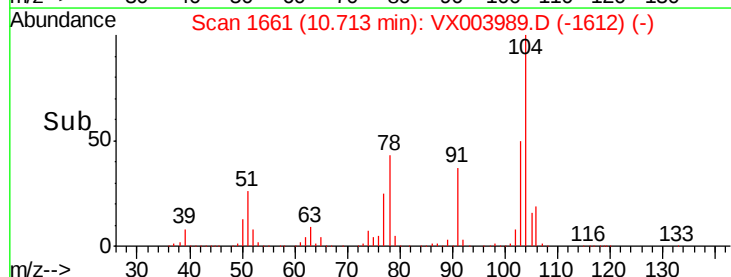
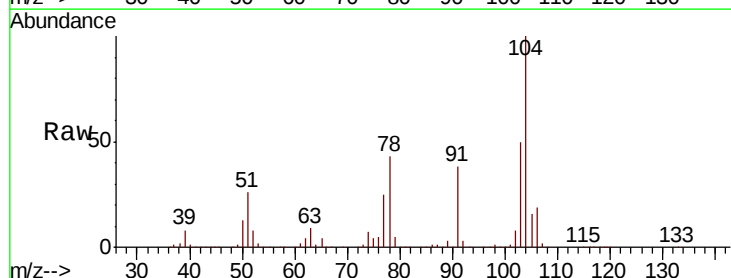
Manual Integrations  
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MMDadoda  
8/13/2018 11:02:12 AM



#70  
Styrene  
Concen: 51.77 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Tgt Ion:104 Resp: 589429  
Ion Ratio Lower Upper  
104 100  
78 48.0 39.8 59.6  
103 54.4 44.3 66.5





#71

Bromoform

Concen: 47.26 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 158084

Ion Ratio Lower Upper

173 100

175 48.6 24.9 74.7

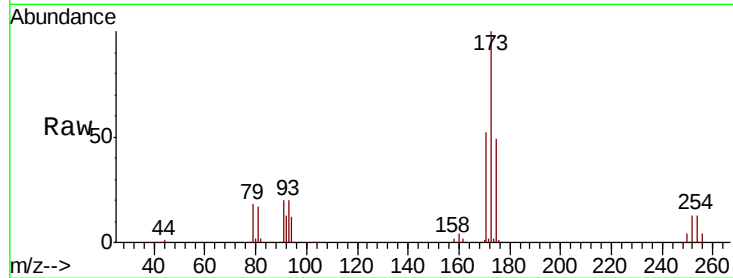
254 0.2 0.2 0.2

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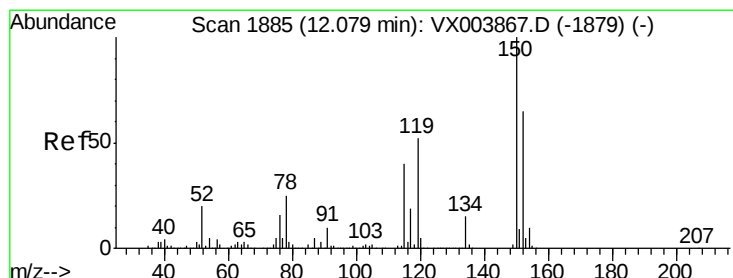
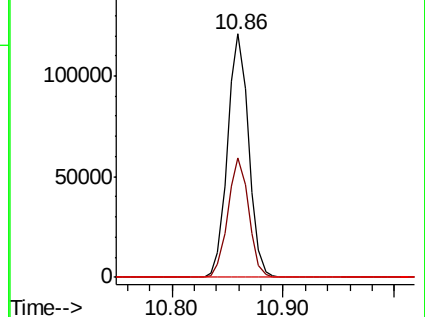
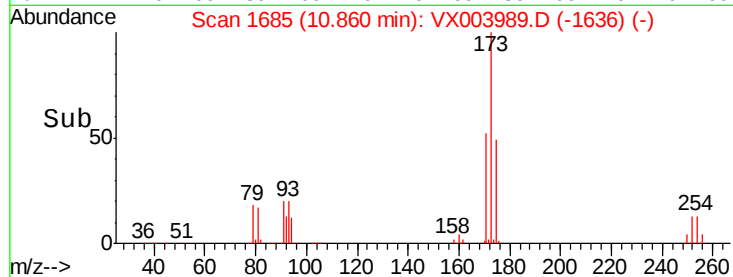
8/13/2018 11:02:12 AM



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# 1885

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

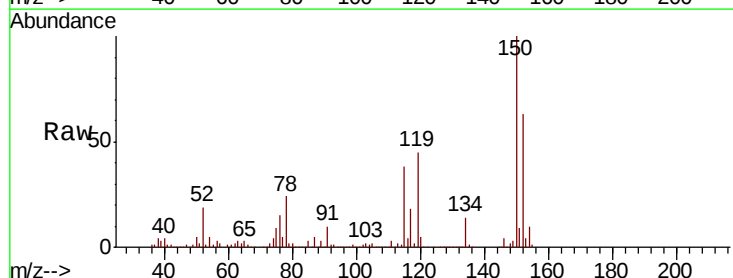
Tgt Ion:152 Resp: 269847

Ion Ratio Lower Upper

152 100

115 77.9 39.1 117.3

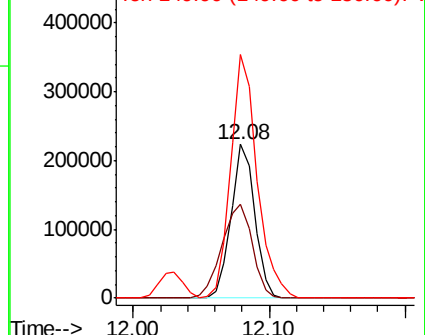
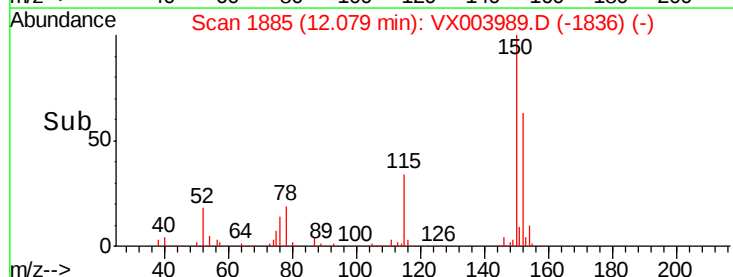
150 176.2 0.0 349.2



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: 46.46 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 927478

Ion Ratio Lower Upper

105 100

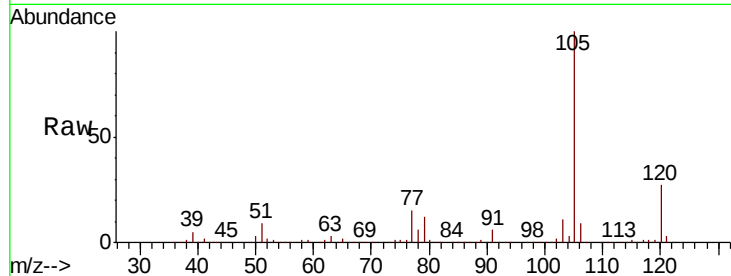
120 27.0 12.6 37.8

Manual Integrations

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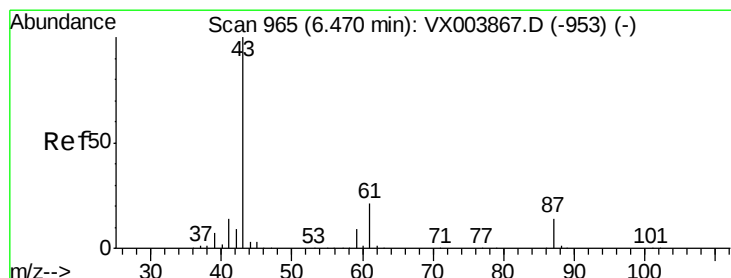
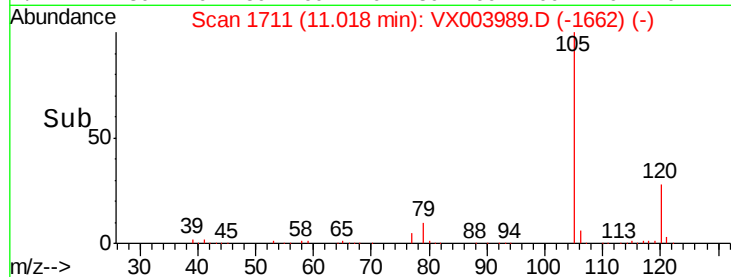
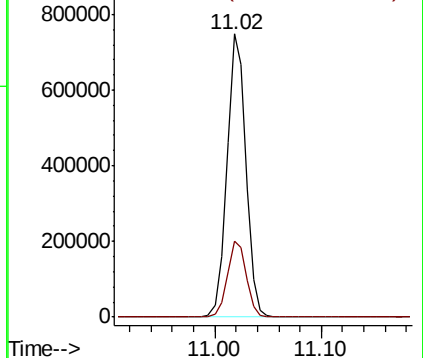
MMDadoda

8/13/2018 11:02:12 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 40.31 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Tgt Ion: 43 Resp: 418480

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

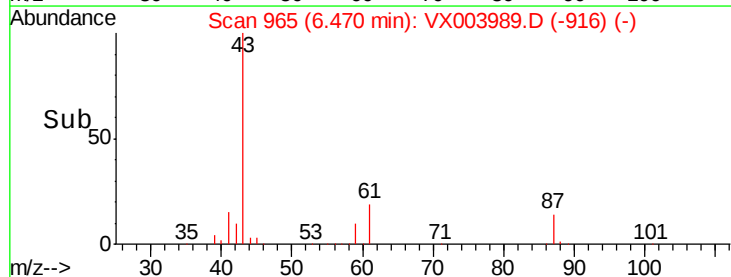
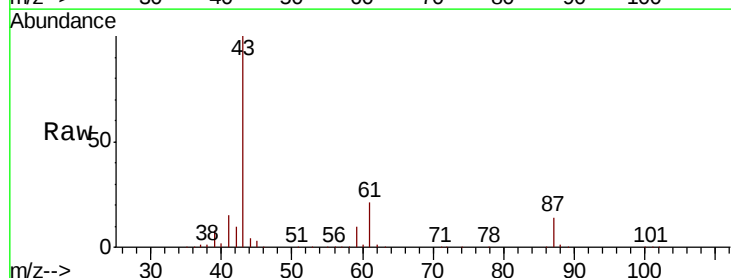
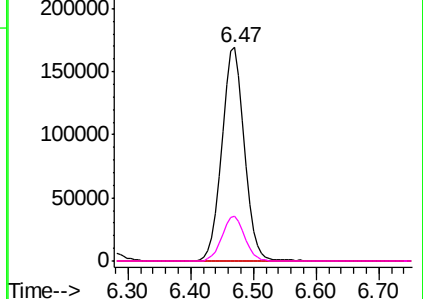
61 21.0 16.9 25.3

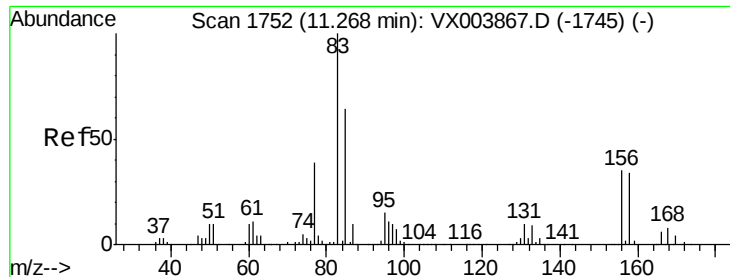
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.68 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

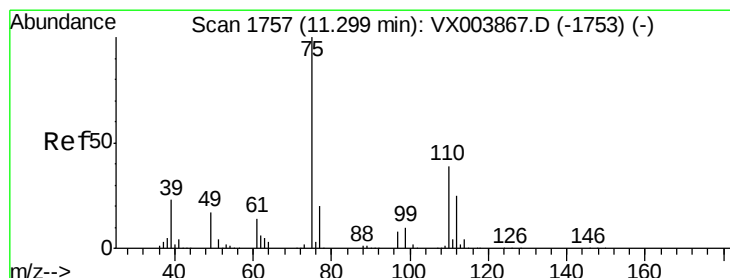
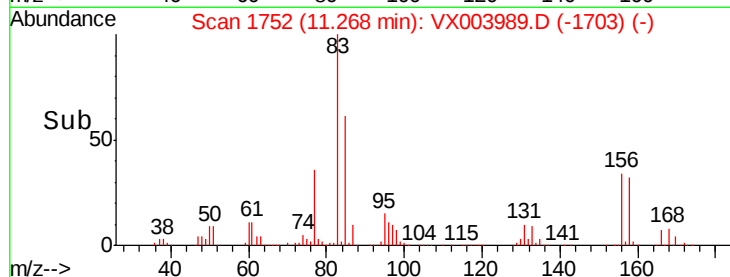
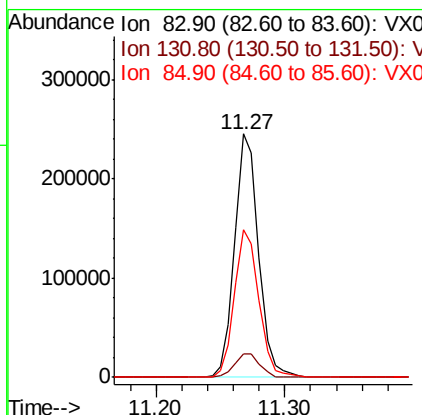
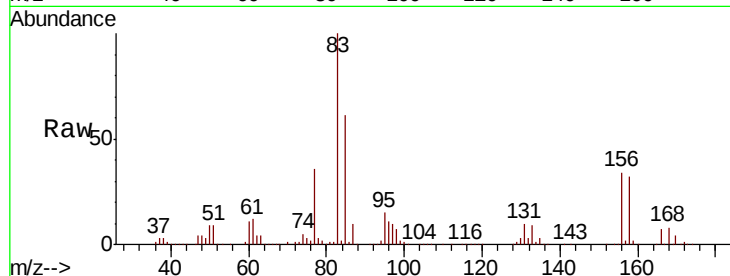
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 319390 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.4  | 5.2   | 15.6   |
| 85        | 62.0  | 32.2  | 96.6   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 46.25 ug/l m

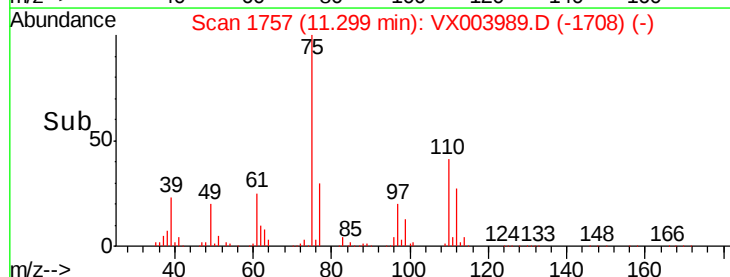
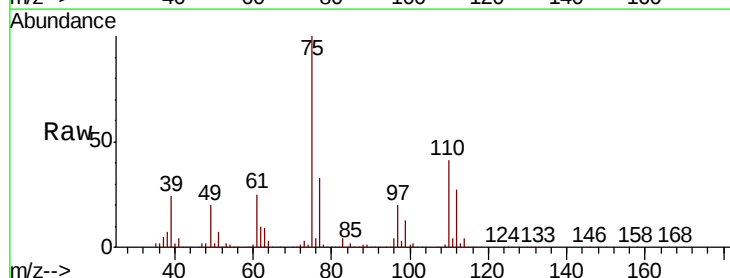
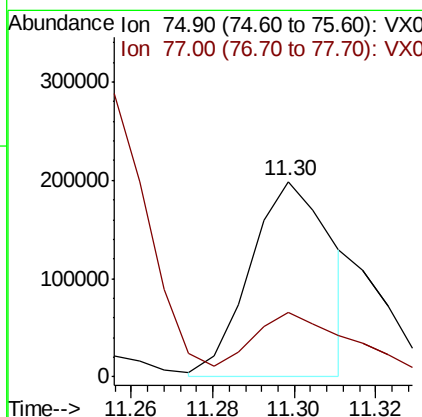
RT: 11.30 min Scan# 1757

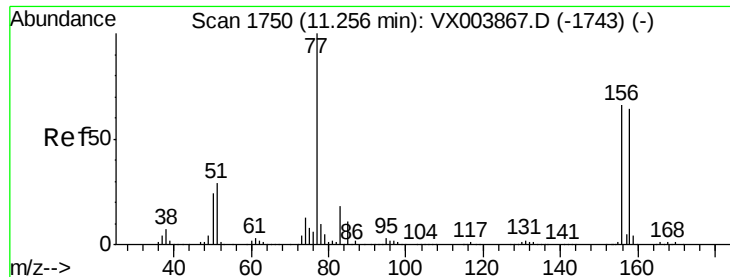
Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 275651 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 41.0  | 20.8  | 62.5   |





#77

Bromobenzene

Concen: 45.71 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

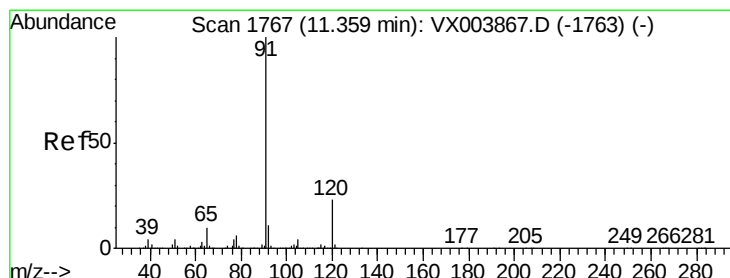
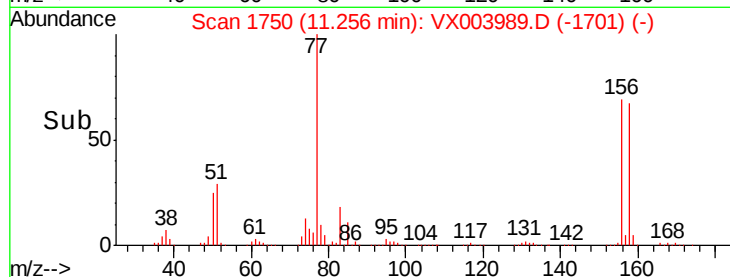
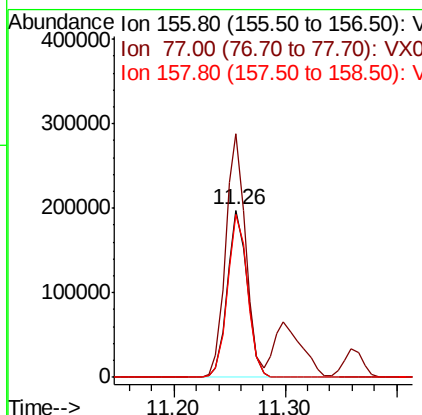
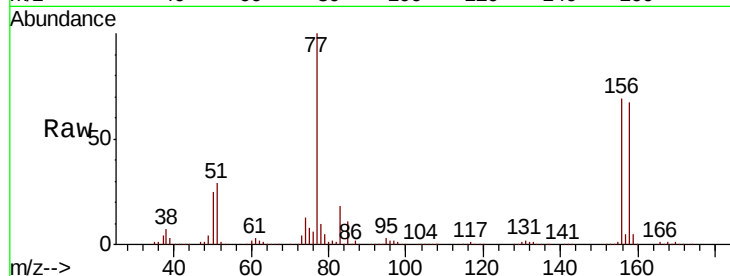
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 146.6 | 74.1  | 222.2 |
| 158     | 98.2  | 48.6  | 145.9 |

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#78

n-propylbenzene

Concen: 47.35 ug/l

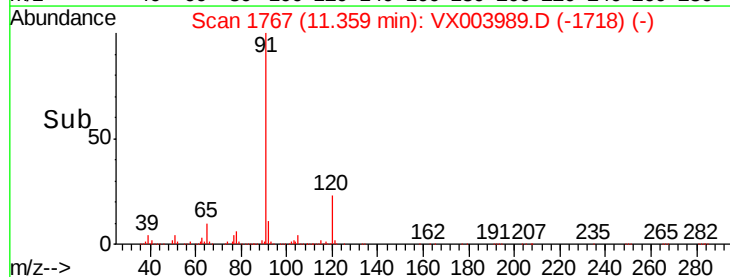
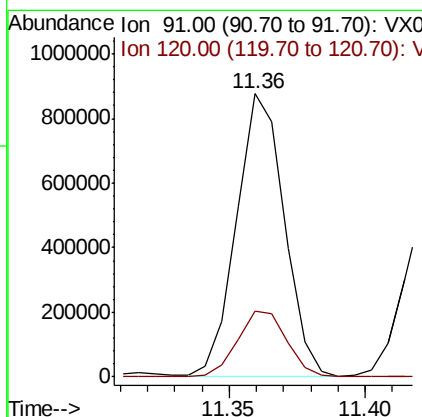
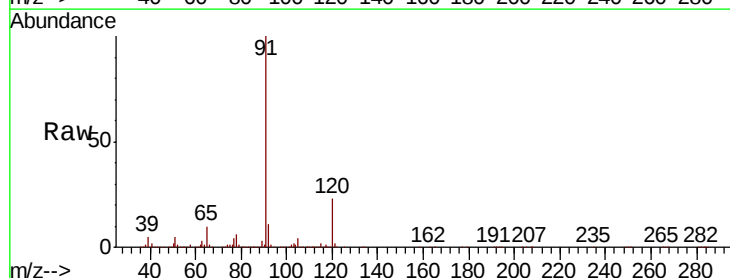
RT: 11.36 min Scan# 1767

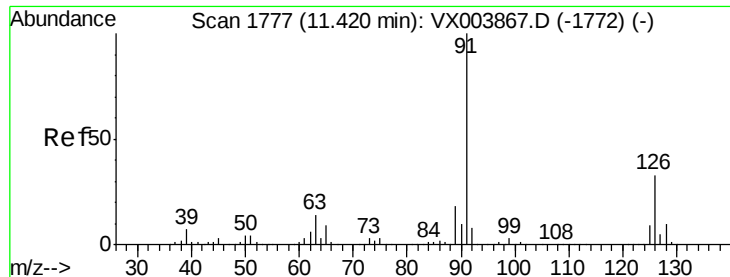
Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.9  | 11.9  | 35.5  |





#79

2-Chlorotoluene

Concen: 46.09 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 629976

Ion Ratio Lower Upper

91 100

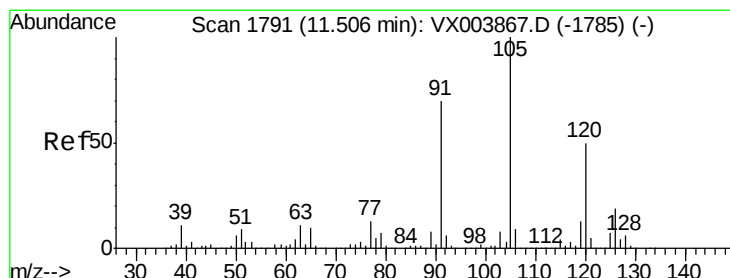
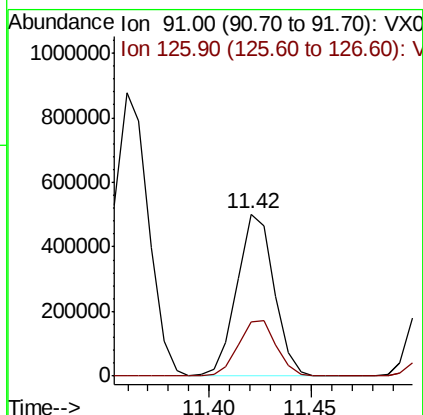
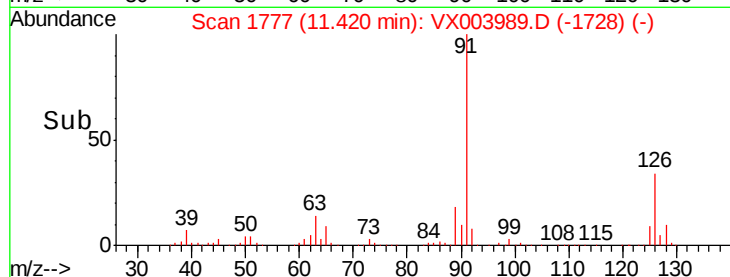
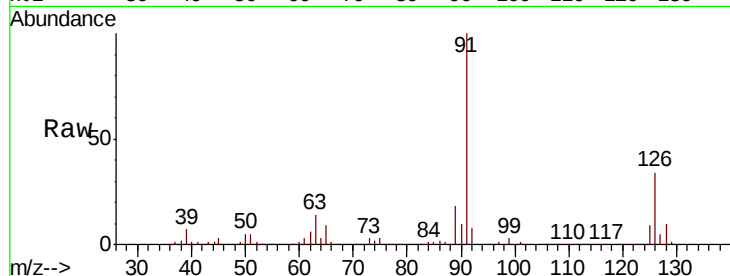
126 35.2 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.21 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003989.D

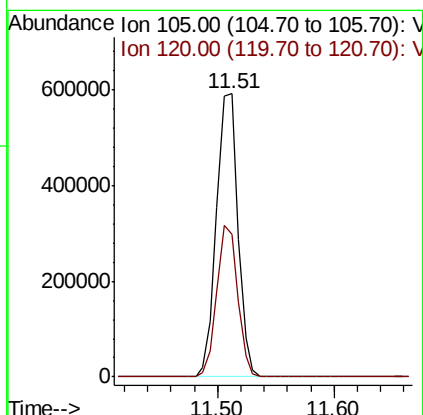
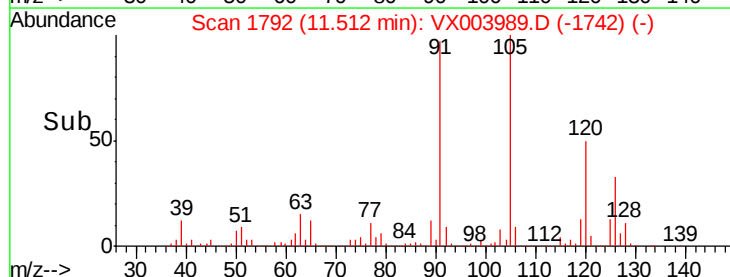
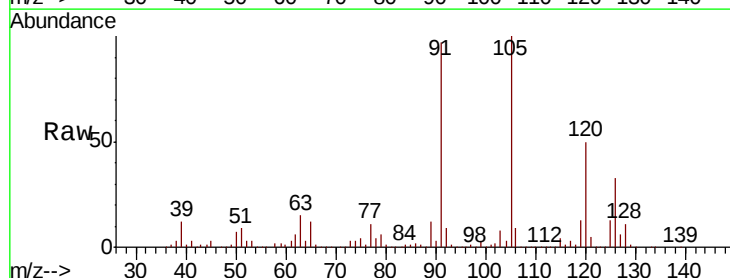
Acq: 10 Aug 2018 20:43

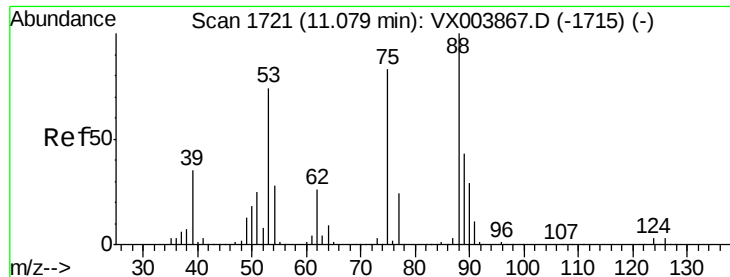
Tgt Ion: 105 Resp: 752174

Ion Ratio Lower Upper

105 100

120 51.7 25.4 76.2





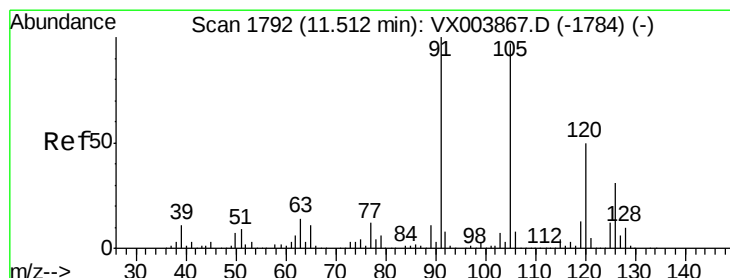
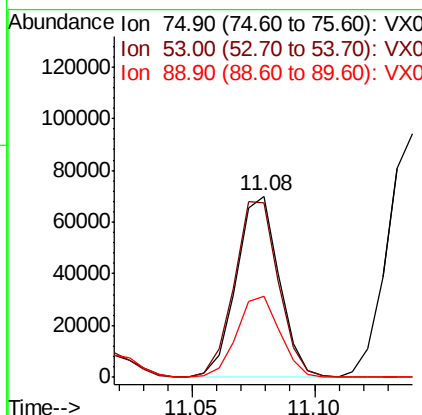
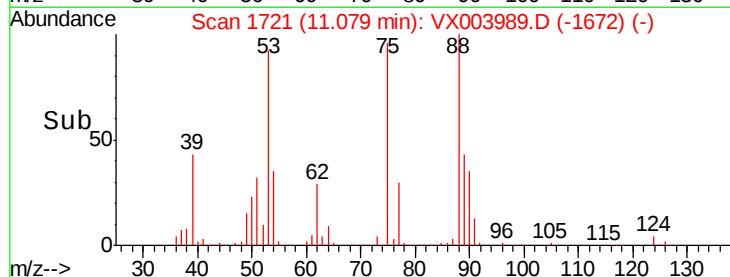
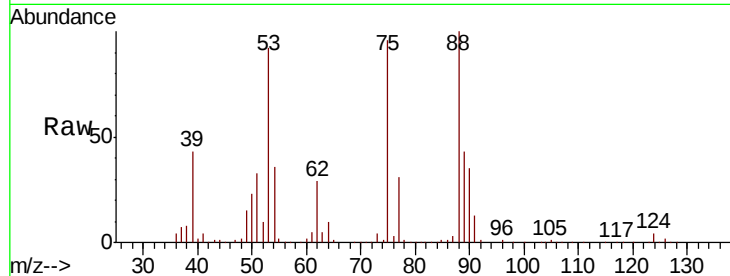
#81  
trans-1,4-Dichloro-2-butene  
Concen: 39.33 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 100.7 | 80.3  | 120.5 |
| 89      | 45.6  | 37.8  | 56.8  |

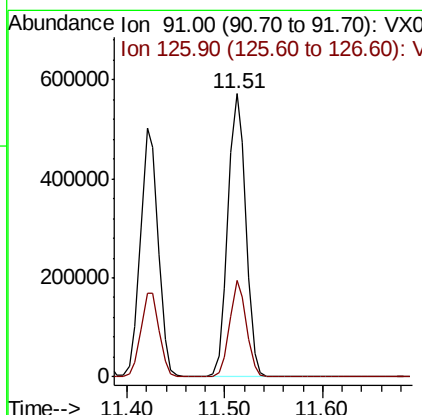
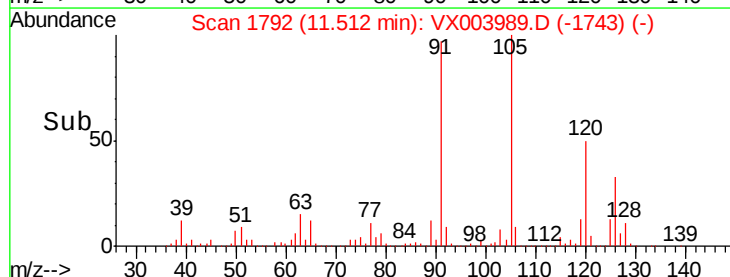
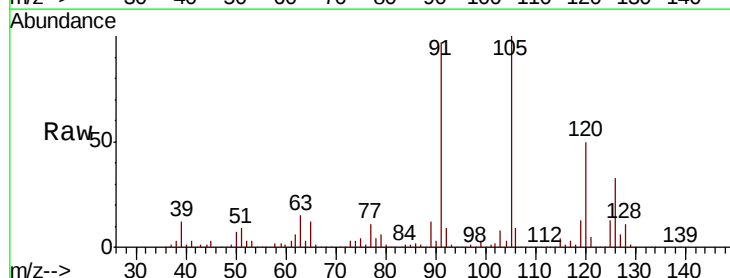
Manual Integrations  
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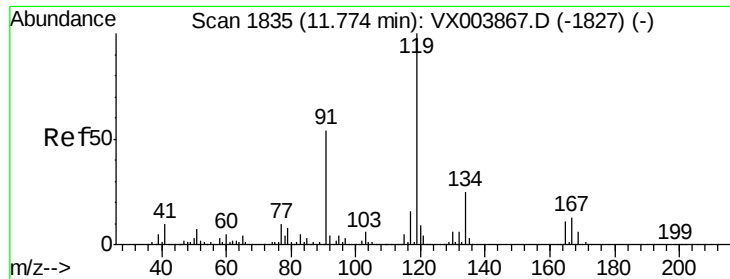
MMDadoda  
8/13/2018 11:02:12 AM



#82  
4-Chlorotoluene  
Concen: 45.43 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.0  | 15.6  | 46.7  |





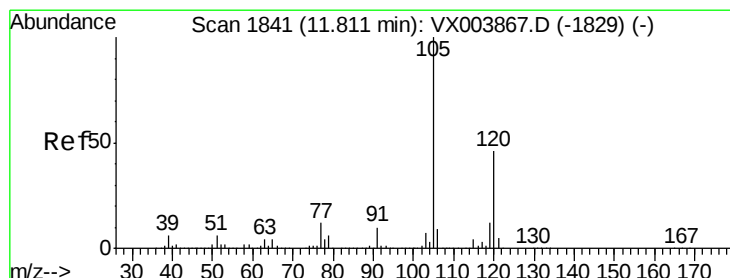
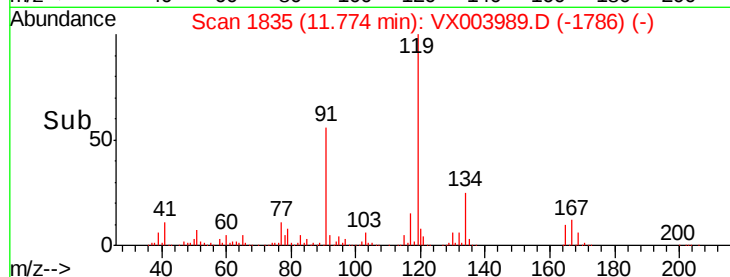
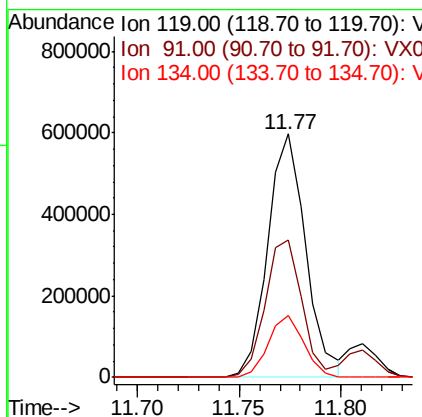
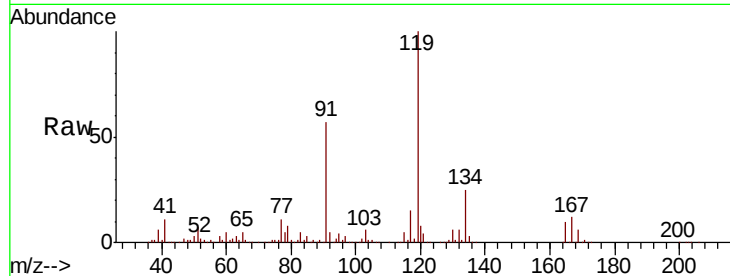
#83  
tert-Butylbenzene  
Concen: 48.29 ug/l  
RT: 11.77 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 54.5  | 26.9  | 80.7  |
| 134     | 24.0  | 12.0  | 36.0  |

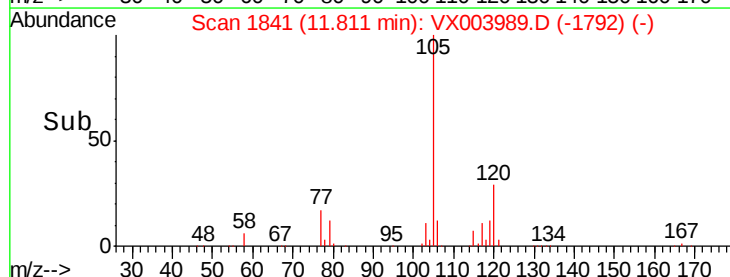
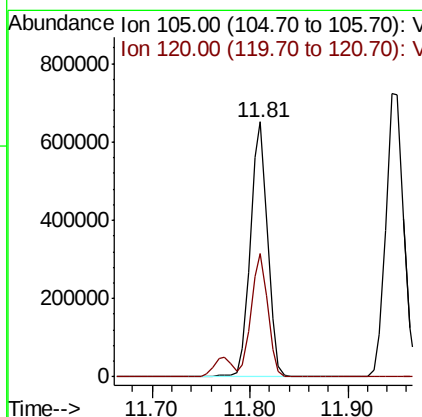
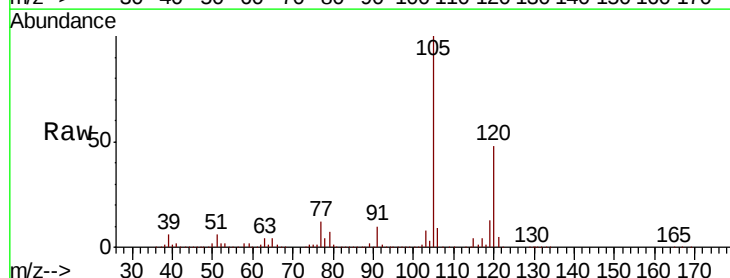
Manual Integrations  
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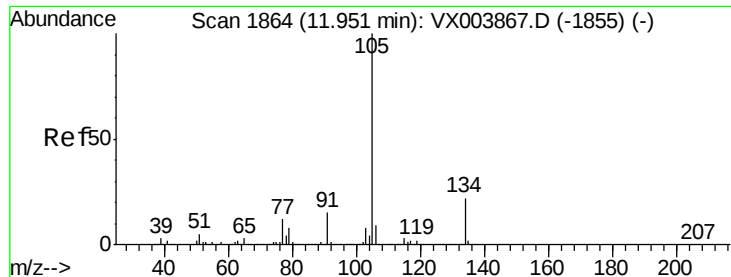
MMDadoda  
8/13/2018 11:02:12 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 48.39 ug/l  
RT: 11.81 min Scan# 1841  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.9  | 23.1  | 69.2  |





#85

sec-Butylbenzene

Concen: 48.44 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 915472

Ion Ratio Lower Upper

105 100

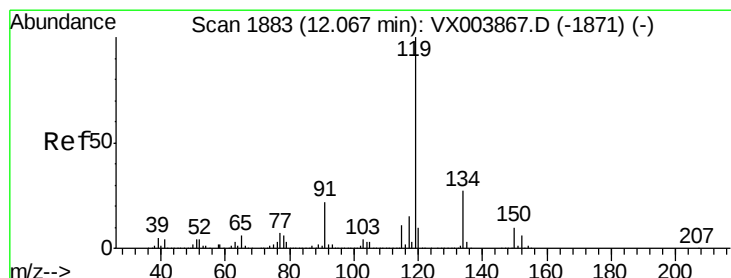
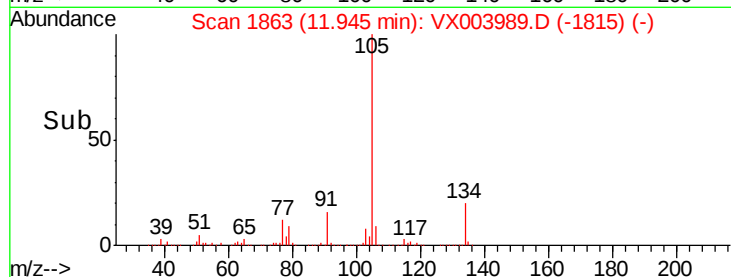
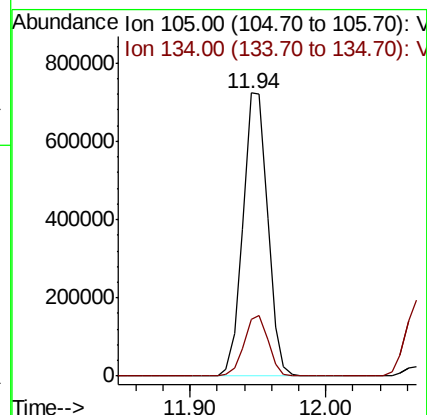
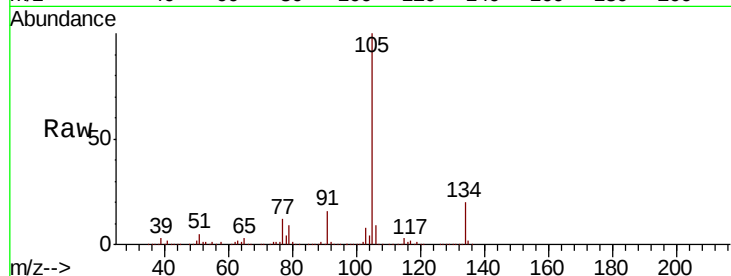
134 21.0 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.80 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003989.D

Acq: 10 Aug 2018 20:43

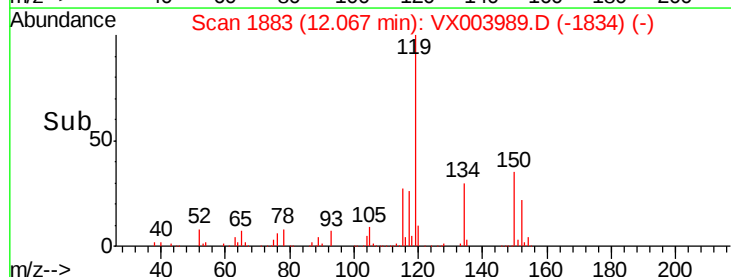
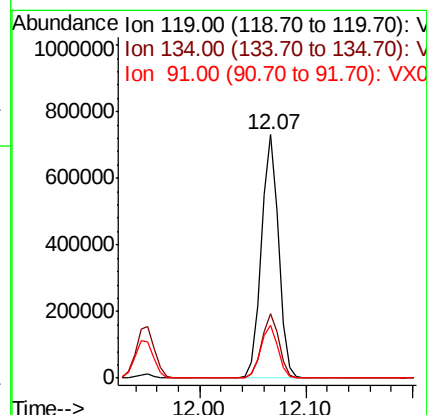
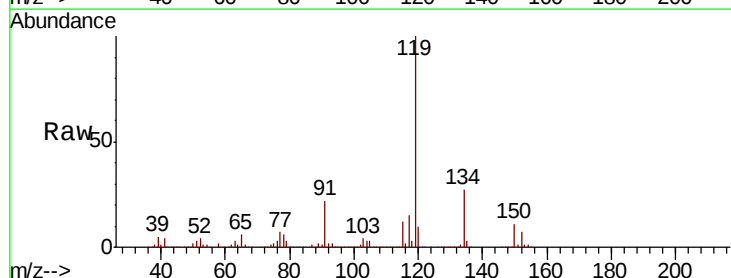
Tgt Ion:119 Resp: 827495

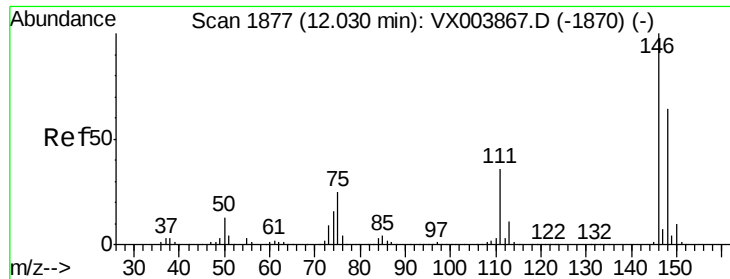
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 22.1 10.9 32.7





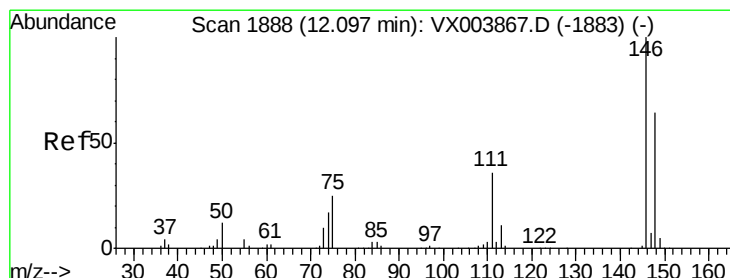
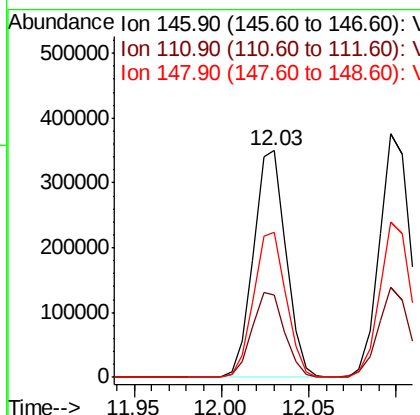
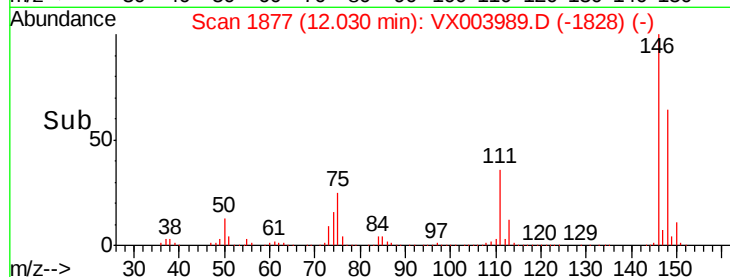
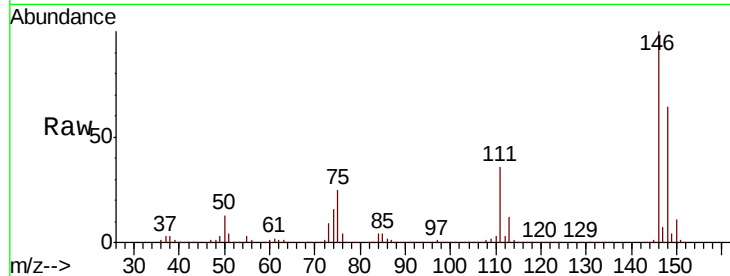
#87  
 1,3-Dichlorobenzene  
 Concen: 46.01 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.7  | 18.8  | 56.4  |
| 148     | 64.2  | 31.9  | 95.5  |

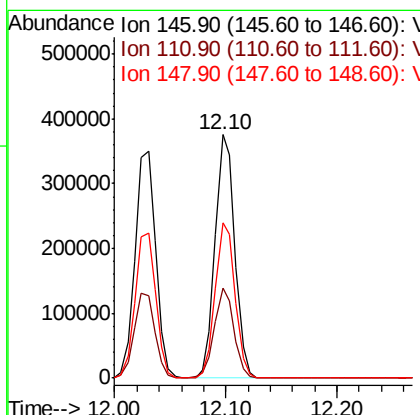
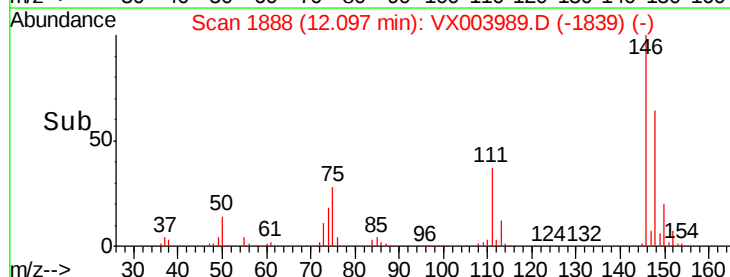
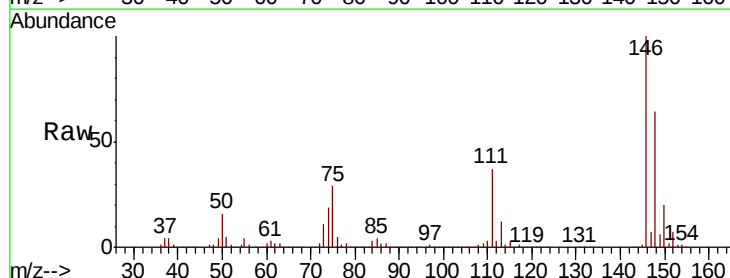
Manual Integrations  
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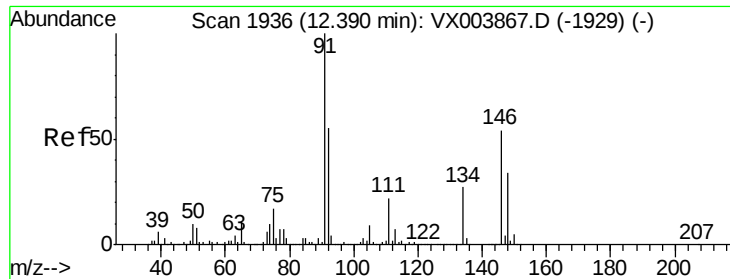
MMDadoda  
 8/13/2018 11:02:12 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 48.79 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.9  | 18.4  | 55.0  |
| 148     | 64.3  | 32.3  | 96.8  |





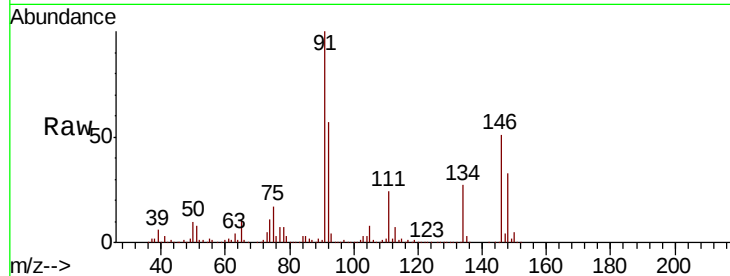
#89  
n-Butylbenzene  
Concen: 42.73 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 54.8  | 27.1  | 81.3  |
| 134     | 27.0  | 13.6  | 40.7  |

Manual Integrations  
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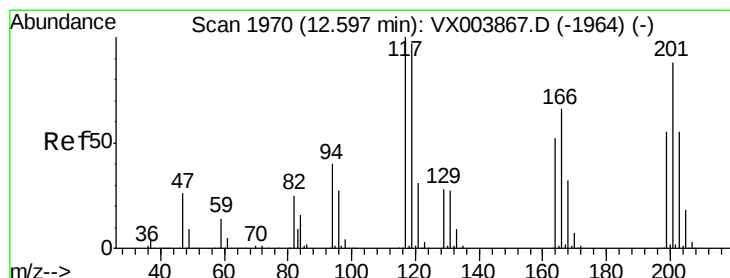
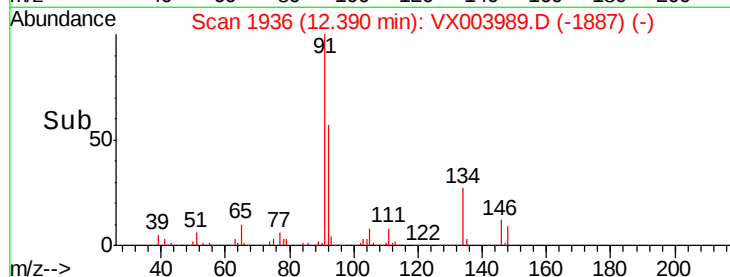
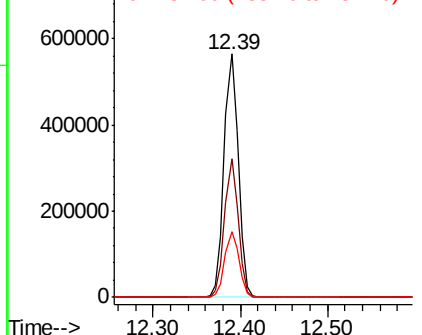


Abundance

Ion 91.00 (90.70 to 91.70): VX003867.D (-1929) (-)

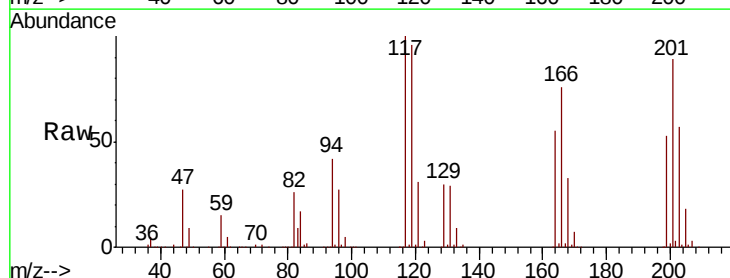
Ion 92.00 (91.70 to 92.70): VX003867.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003867.D (-1929) (-)



#90  
Hexachloroethane  
Concen: 41.84 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

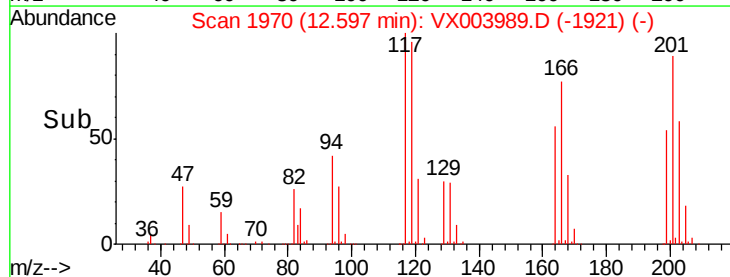
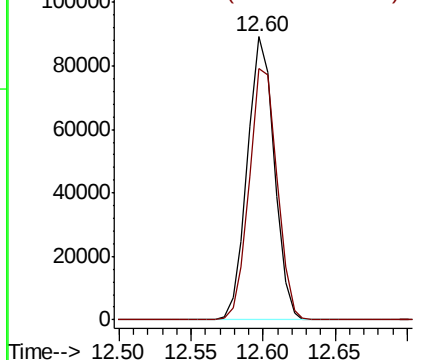
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 91.5  | 46.1  | 138.2 |

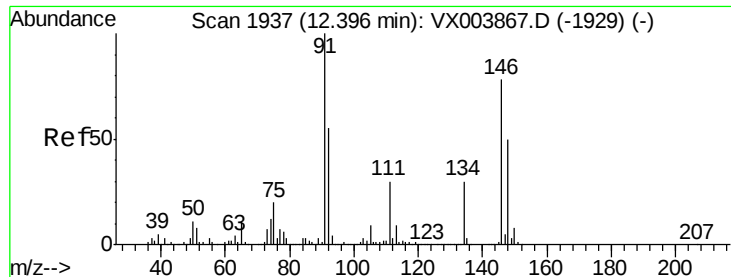


Abundance

Ion 116.80 (116.50 to 117.50): VX003867.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX003867.D (-1964) (-)





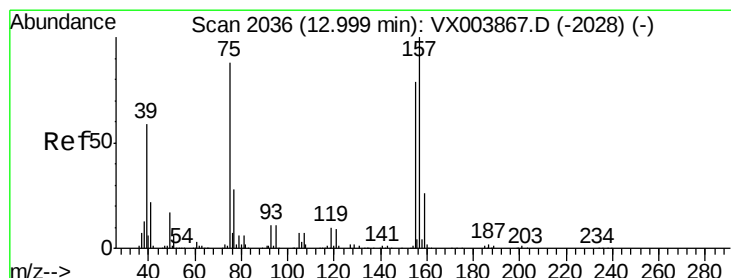
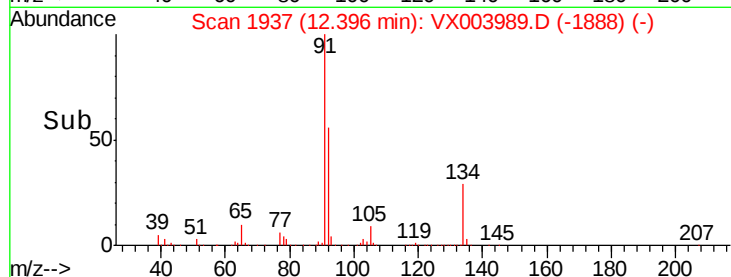
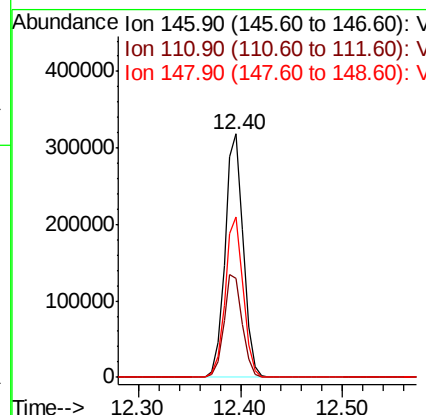
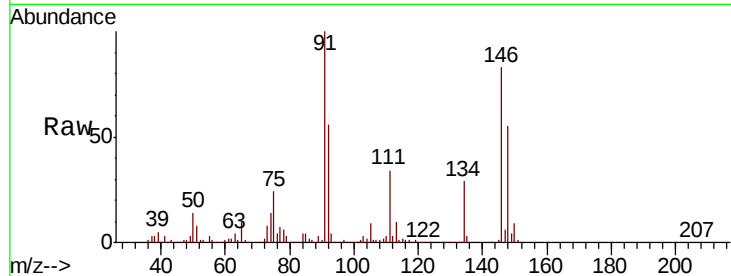
#91  
 1,2-Dichlorobenzene  
 Concen: 40.64 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.6  | 19.7  | 59.0  |
| 148     | 65.0  | 31.9  | 95.5  |

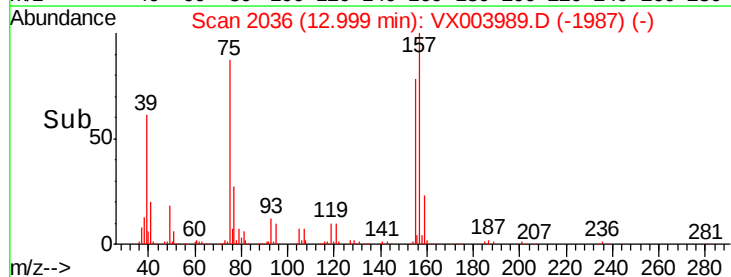
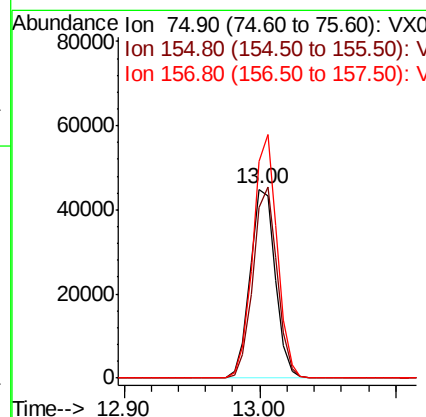
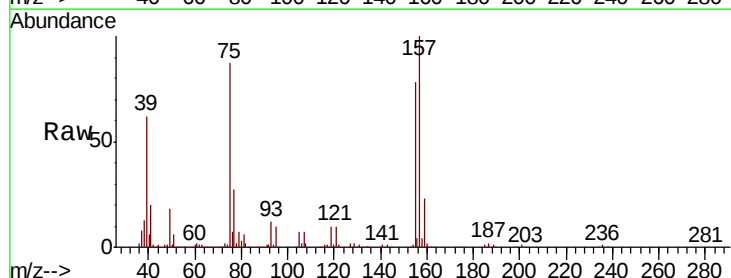
Manual Integrations  
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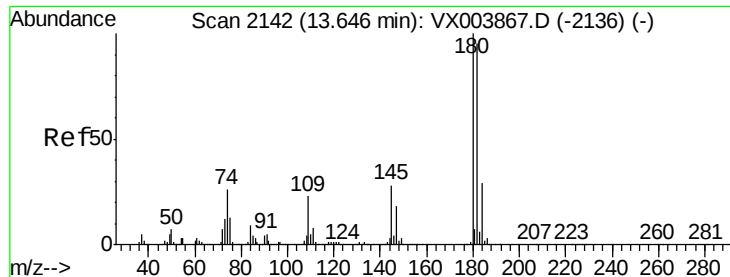
MMDadoda  
 8/13/2018 11:02:12 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 41.62 ug/l  
 RT: 13.00 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 96.8  | 48.7  | 146.1 |
| 157     | 124.1 | 62.6  | 187.8 |





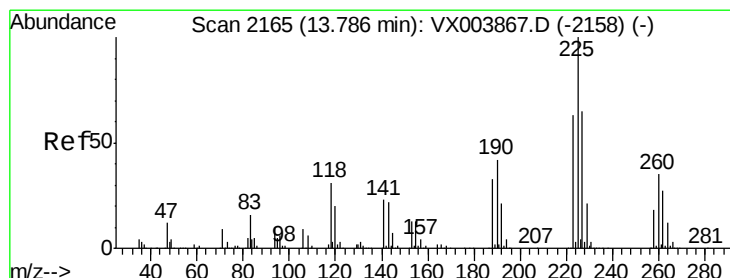
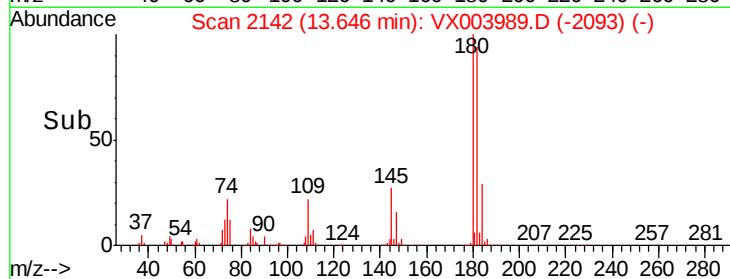
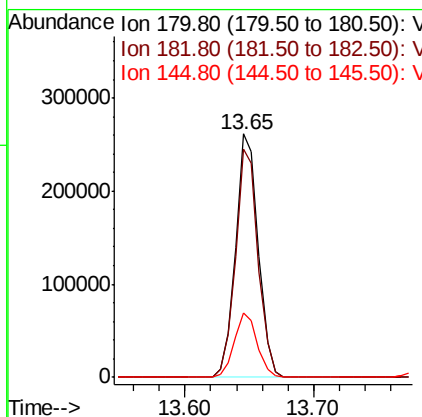
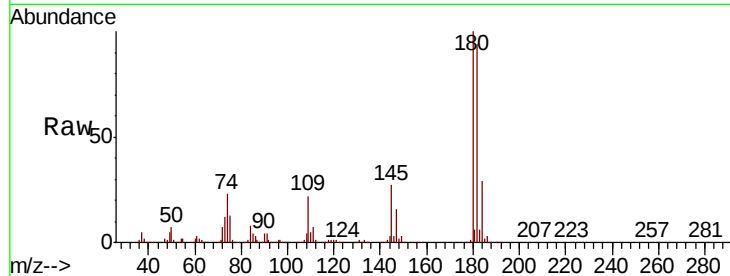
#93  
 1,2,4-Trichlorobenzene  
 Concen: 45.61 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 320069 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.4  | 47.7  | 143.1  |
| 145       | 26.6  | 13.9  | 41.6   |

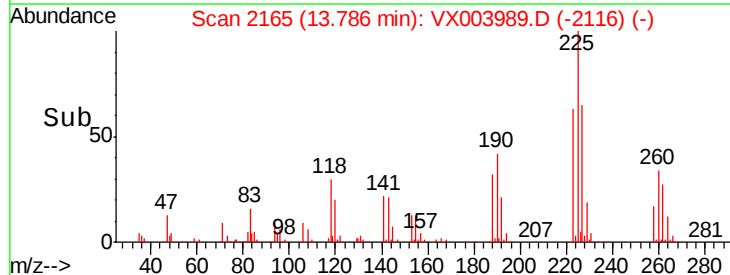
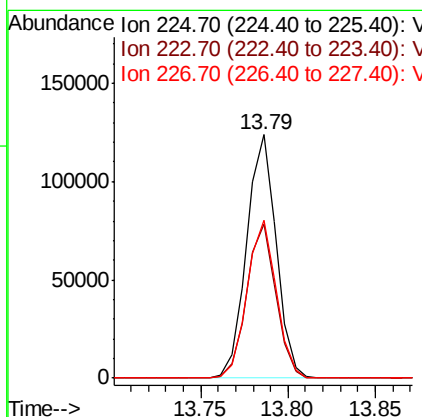
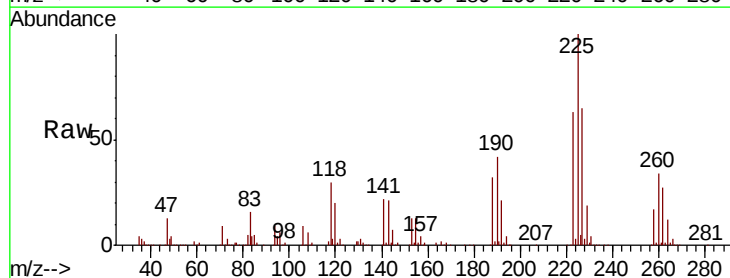
Manual Integrations  
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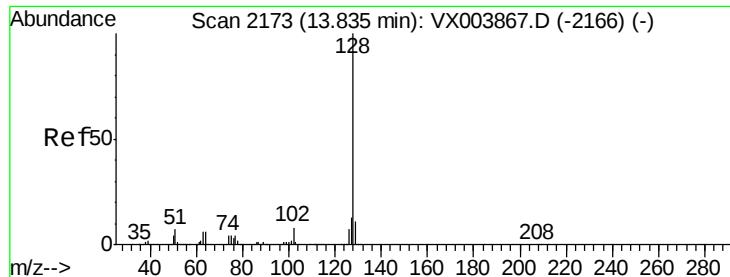
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 46.87 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX003989.D  
 Acq: 10 Aug 2018 20:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 145036 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.5  | 31.4  | 94.0   |
| 227       | 64.0  | 32.1  | 96.5   |





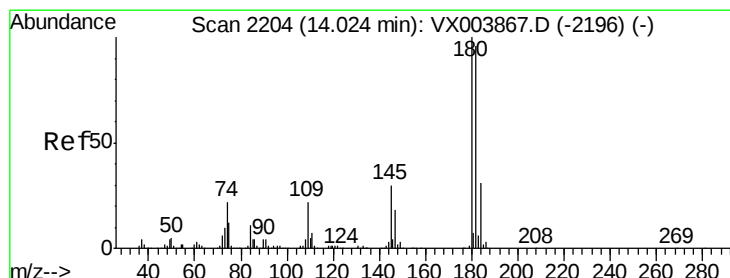
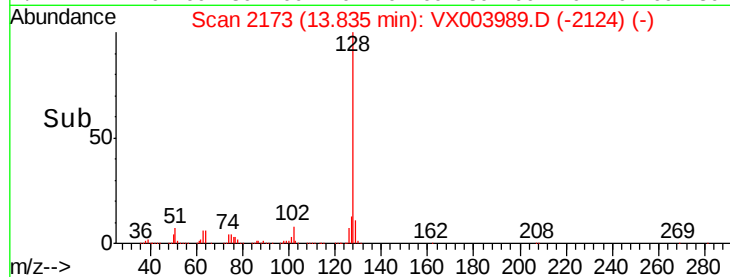
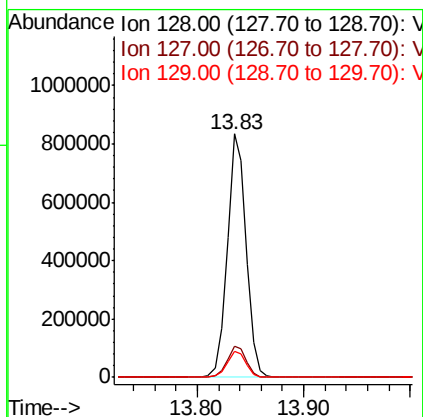
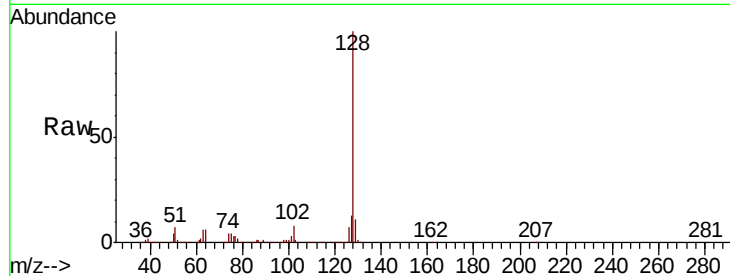
#95  
Naphthalene  
Concen: 51.05 ug/l  
RT: 13.83 min Scan# 2173  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.2  | 15.2  |
| 129     | 10.9  | 8.8   | 13.2  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 48.58 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: VX003989.D  
Acq: 10 Aug 2018 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.9  | 48.1  | 144.4 |
| 145     | 29.6  | 14.9  | 44.7  |

