

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100418\  
 Data File : VX005043.D  
 Acq On : 05 Oct 2018 02:43  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 80 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2018 3:24:54 PM

Quant Time: Oct 05 05:25:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 209862   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 315898   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 301981   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 185317   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 161345   | 53.82 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.64% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 124321   | 46.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.88%  |      |
| 50) Toluene-d8            | 8.72   | 98  | 467082   | 52.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.96% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 175475   | 54.73 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.46% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 154088  | 53.850  | ug/l | 98     |
| 3) Chloromethane              | 1.32 | 50  | 175020  | 50.415  | ug/l | 96     |
| 4) Vinyl Chloride             | 1.40 | 62  | 174477  | 53.586  | ug/l | 98     |
| 5) Bromomethane               | 1.64 | 94  | 121982  | 63.178  | ug/l | 95     |
| 6) Chloroethane               | 1.71 | 64  | 100856  | 57.172  | ug/l | 93     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 225622  | 55.973  | ug/l | 96     |
| 8) Diethyl Ether              | 2.19 | 74  | 93327   | 53.295  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 122578  | 53.385  | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 141085  | 45.918  | ug/l | 94     |
| 11) Tert butyl alcohol        | 3.09 | 59  | 234035  | 279.200 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 119772  | 52.672  | ug/l | 96     |
| 13) Acrolein                  | 2.29 | 56  | 39966   | 67.012  | ug/l | 88     |
| 14) Allyl chloride            | 2.73 | 41  | 272666  | 54.956  | ug/l | 96     |
| 15) Acrylonitrile             | 3.15 | 53  | 522175  | 282.979 | ug/l | 97     |
| 16) Acetone                   | 2.45 | 43  | 458138  | 261.760 | ug/l | 93     |
| 17) Carbon Disulfide          | 2.56 | 76  | 325060  | 47.573  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 294742  | 66.467  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 460733  | 58.740  | ug/l | 96     |
| 20) Methylene Chloride        | 2.85 | 84  | 143990  | 56.696  | ug/l | 87     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 127699  | 51.301  | ug/l | 85     |
| 22) Diisopropyl ether         | 3.87 | 45  | 467920  | 56.007  | ug/l | 97     |
| 23) Vinyl Acetate             | 3.82 | 43  | 2009648 | 262.782 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 264307  | 53.034  | ug/l | 98     |
| 25) 2-Butanone                | 4.71 | 43  | 688821  | 266.997 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 135502  | 39.045  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 144791  | 52.068  | ug/l | 97     |
| 28) Bromochloromethane        | 5.02 | 49  | 116168  | 49.499  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.16 | 42  | 449910  | 280.582 | ug/l | 98     |
| 30) Chloroform                | 5.21 | 83  | 244092  | 51.823  | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 203938  | 53.466  | ug/l | 92     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 203763  | 52.972  | ug/l | 95     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 174642  | 47.810  | ug/l | 94     |
| 37) Ethyl Acetate             | 4.86 | 43  | 239726  | 49.441  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 178390  | 46.459  | ug/l | 98     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 80 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2018 3:24:54 PM

Quant Time: Oct 05 05:25:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 192638   | 51.647   | ug/l # | 85       |
| 40) Benzene                    | 6.14  | 78   | 555134   | 48.544   | ug/l   | 95       |
| 41) Methacrylonitrile          | 5.06  | 41   | 138025   | 51.330   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 202863   | 50.180   | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 365379   | 52.209   | ug/l   | 96       |
| 44) Trichloroethene            | 7.21  | 130  | 143359   | 50.994   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 149776   | 53.407   | ug/l   | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 94949    | 53.873   | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 181491   | 55.001   | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.78  | 41   | 191418   | 60.261   | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 84789    | 1074.420 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1320853  | 299.750  | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 338054   | 53.798   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 196054   | 52.577   | ug/l   | 91       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 213020   | 54.540   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 144163   | 52.375   | ug/l   | 96       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 229792   | 51.364   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 242211   | 52.872   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 633157   | 266.000  | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.50  | 43   | 1046337  | 284.947  | ug/l   | 95       |
| 60) Dibromochloromethane       | 9.59  | 129  | 148702   | 54.020   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 150238   | 50.966   | ug/l   | 95       |
| 64) Tetrachloroethene          | 9.34  | 164  | 150549   | 50.653   | ug/l   | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 383075   | 49.470   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 140109   | 51.466   | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 642544   | 52.265   | ug/l   | 96       |
| 68) m/p-Xylenes                | 10.36 | 106  | 501042   | 104.294  | ug/l   | 95       |
| 69) o-Xylene                   | 10.70 | 106  | 244629   | 55.439   | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 417483   | 50.561   | ug/l   | 100      |
| 71) Bromoform                  | 10.86 | 173  | 124242   | 53.308   | ug/l   | 96       |
| 73) Isopropylbenzene           | 11.02 | 105  | 649415   | 55.597   | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 326103   | 50.765   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 239995   | 50.474   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 220155m  | 53.003   | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 178267   | 52.543   | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 738569   | 55.108   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 455049   | 54.471   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 554482   | 51.799   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 62891    | 41.642   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 533156   | 54.222   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 542089   | 56.367   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 576980   | 52.269   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 641911   | 54.798   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 578826   | 54.540   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 326398   | 51.521   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 331591   | 50.703   | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 507945   | 52.699   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 92341    | 52.258   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 333042   | 50.304   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 56288    | 53.915   | ug/l   | 100      |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\  
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Acq On : 05 Oct 2018 02:43  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 80 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

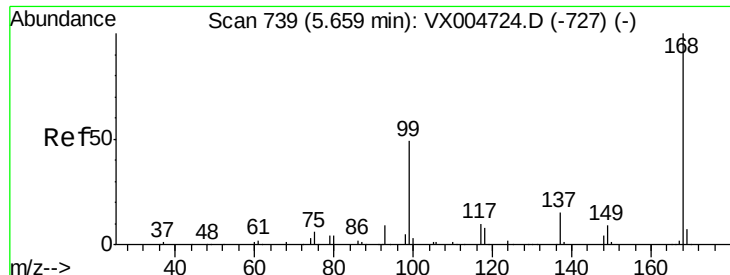
MMDadoda  
10/5/2018 3:24:54 PM

Quant Time: Oct 05 05:25:23 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 245937   | 52.955 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 113305   | 47.048 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 807663   | 52.361 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 252736   | 52.680 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 209862

Ion Ratio Lower Upper

168 100

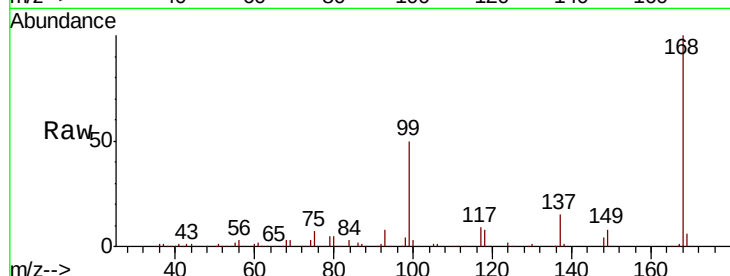
99 50.1 39.3 58.9

Manual Integrations

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10/5/2018 3:24:54 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

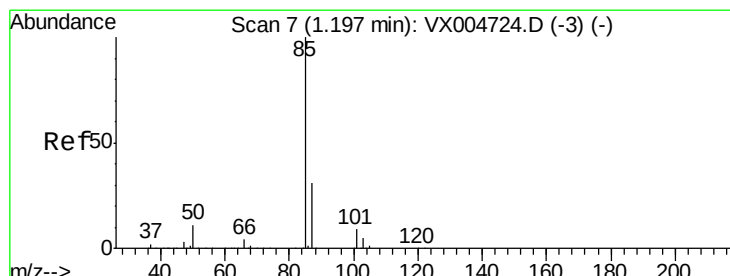
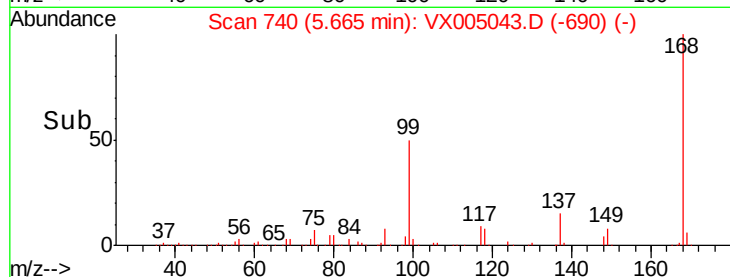
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 53.850 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005043.D

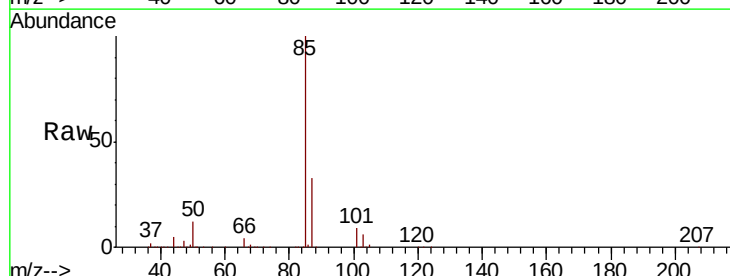
Acq: 05 Oct 2018 02:43

Tgt Ion: 85 Resp: 154088

Ion Ratio Lower Upper

85 100

87 32.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

100000

50000

0

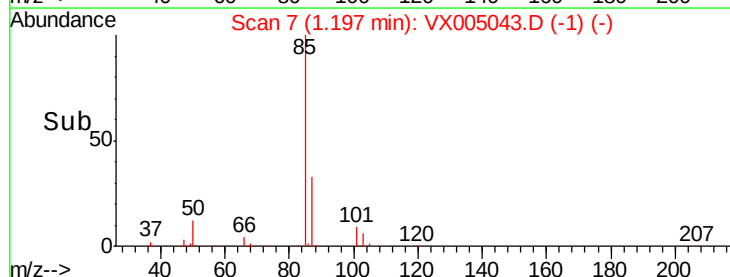
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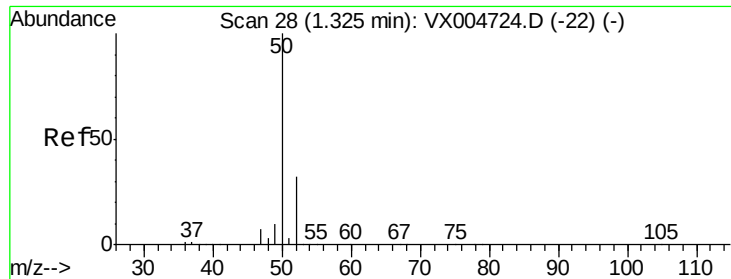
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 50.415 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 175020

Ion Ratio Lower Upper

50 100

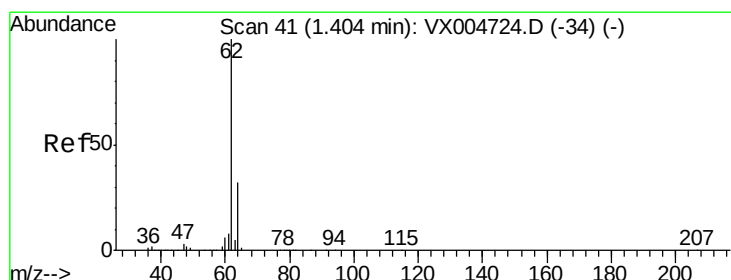
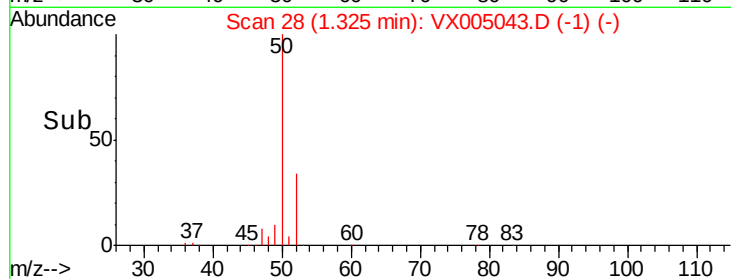
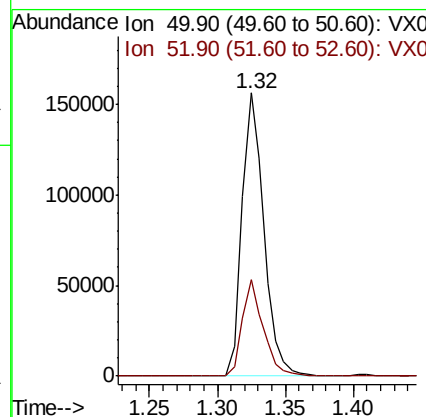
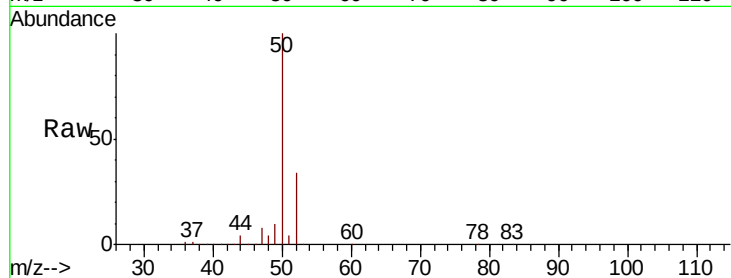
52 34.2 25.8 38.6

Manual Integrations

APPROVED

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10/5/2018 3:24:54 PM



#4

Vinyl Chloride

Concen: 53.586 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005043.D

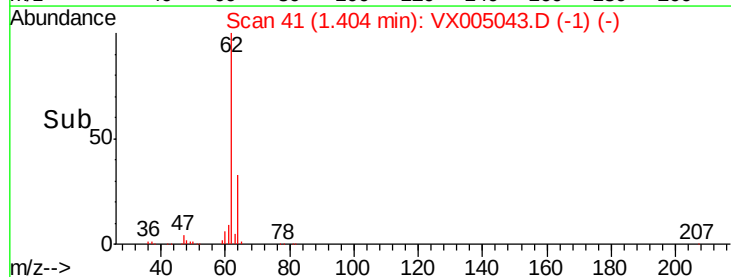
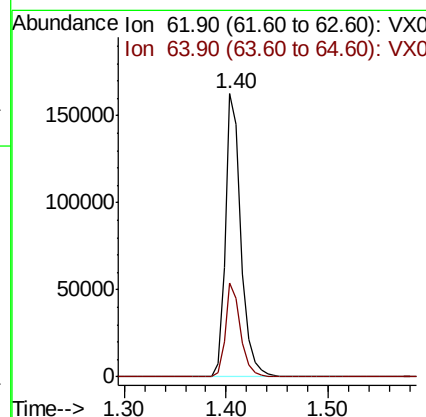
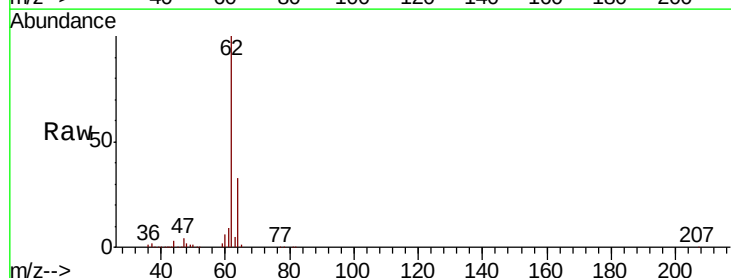
Acq: 05 Oct 2018 02:43

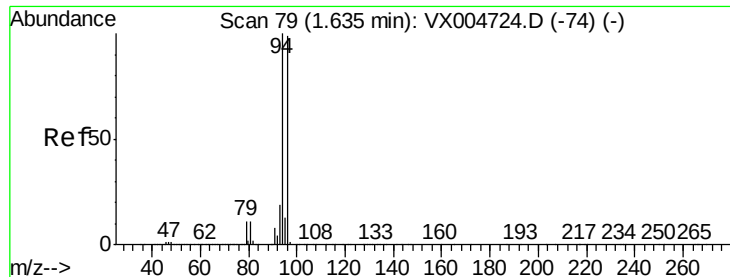
Tgt Ion: 62 Resp: 174477

Ion Ratio Lower Upper

62 100

64 33.0 25.5 38.3





#5

Bromomethane

Concen: 63.178 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 121982

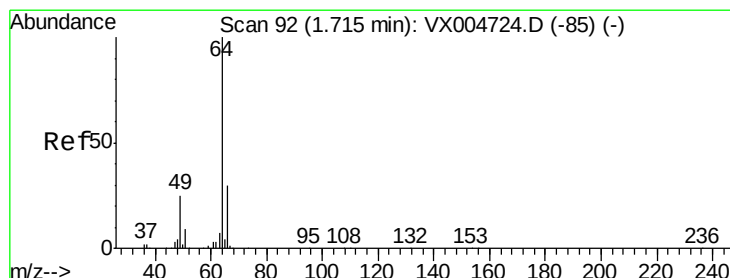
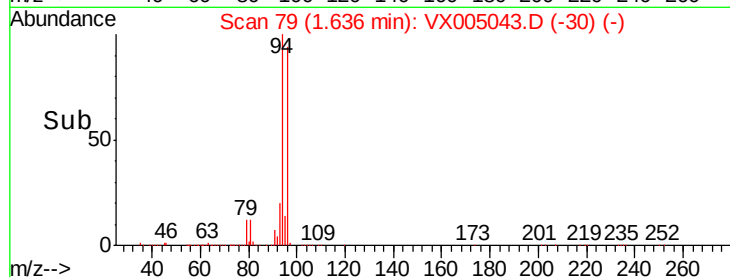
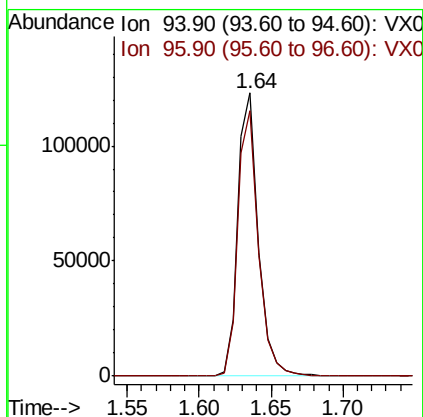
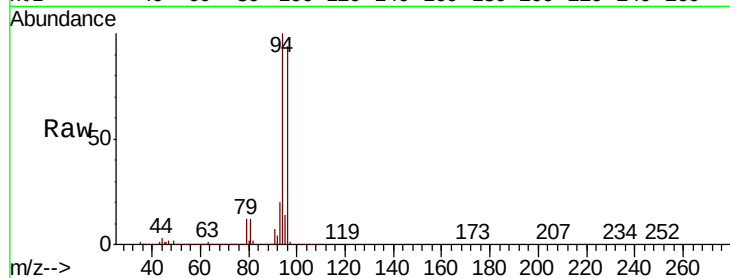
Ion Ratio Lower Upper

94 100

96 93.9 79.5 119.3

Manual Integrations  
APPROVED

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10/5/2018 3:24:54 PM



#6

Chloroethane

Concen: 57.172 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005043.D

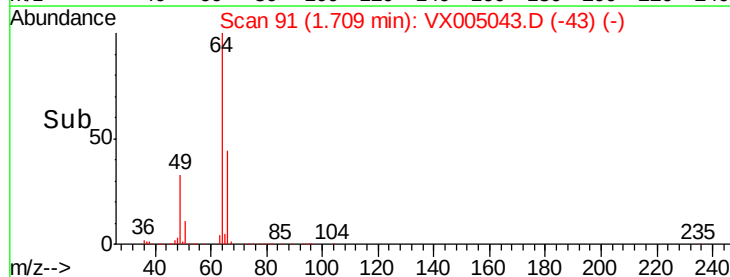
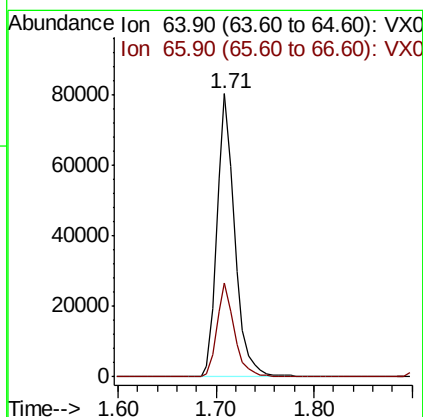
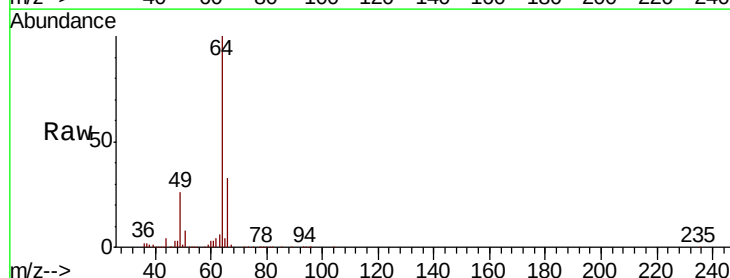
Acq: 05 Oct 2018 02:43

Tgt Ion: 64 Resp: 100856

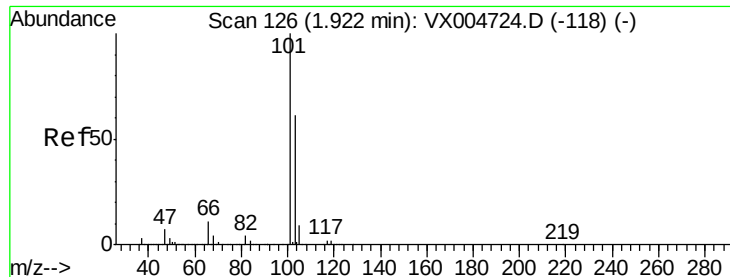
Ion Ratio Lower Upper

64 100

66 33.3 23.8 35.6







#7

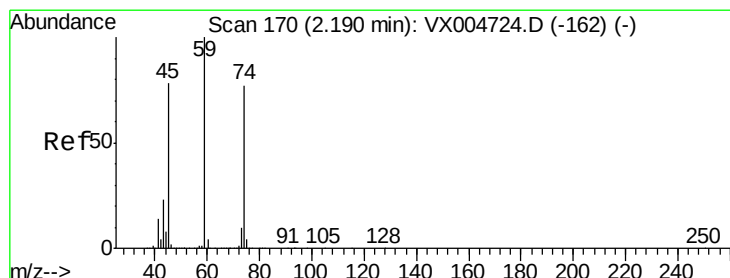
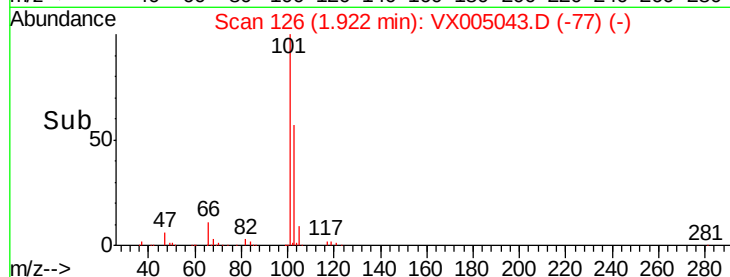
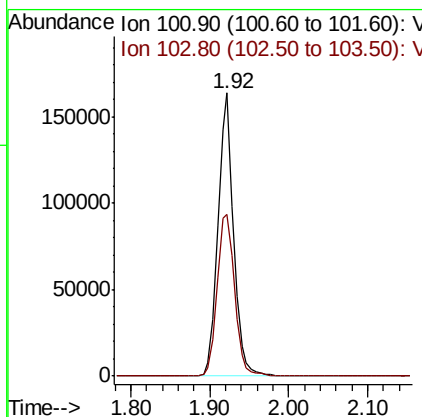
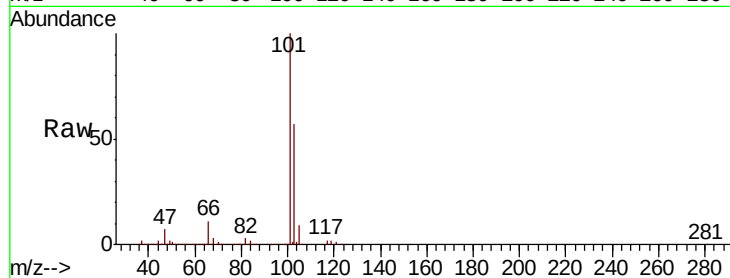
Trichlorofluoromethane  
Concen: 55.973 ug/l  
RT: 1.92 min Scan# 126  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 57.3  | 48.4  | 72.6  |

Manual Integrations  
APPROVED

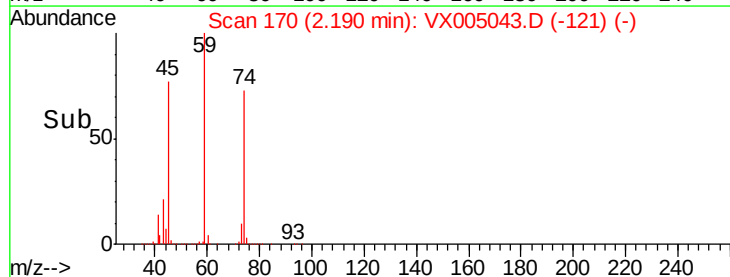
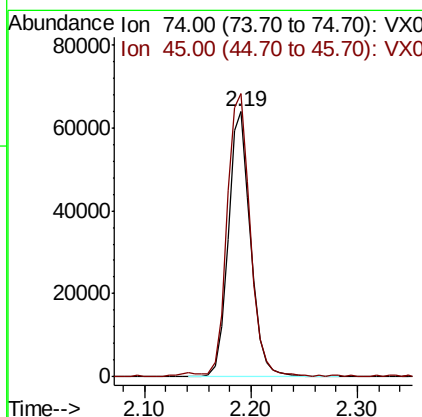
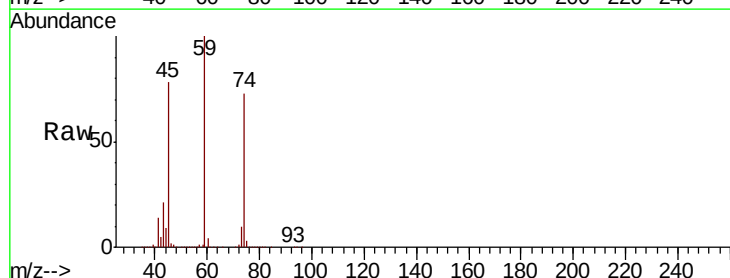
MMDadoda  
10/5/2018 3:24:54 PM



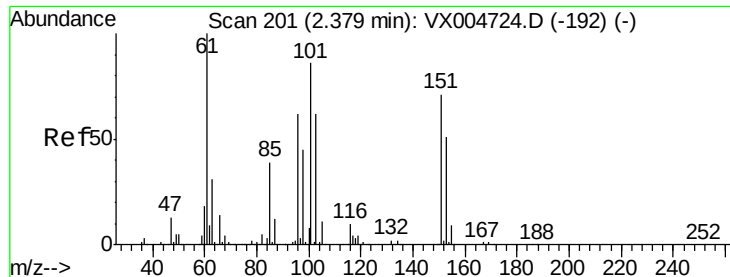
#8

Diethyl Ether  
Concen: 53.295 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 110.0 | 52.5  | 157.6 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.385 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

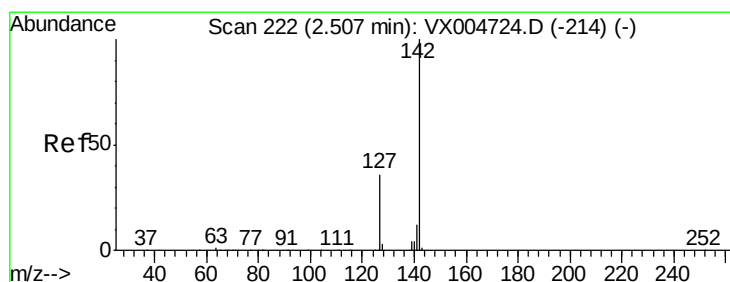
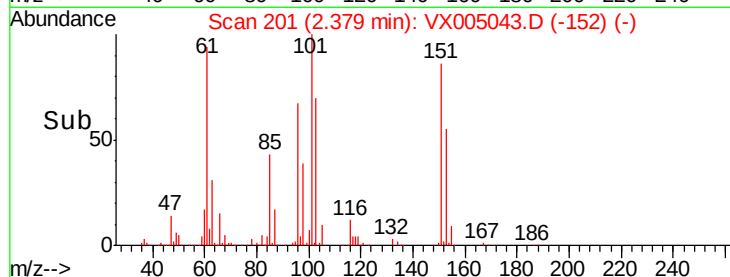
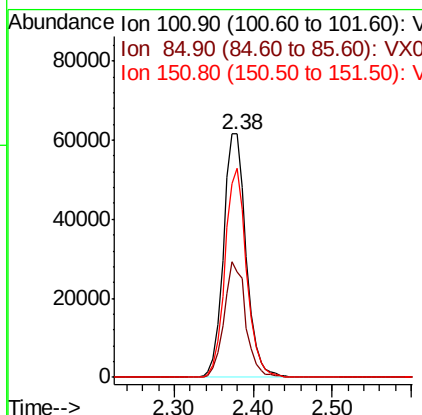
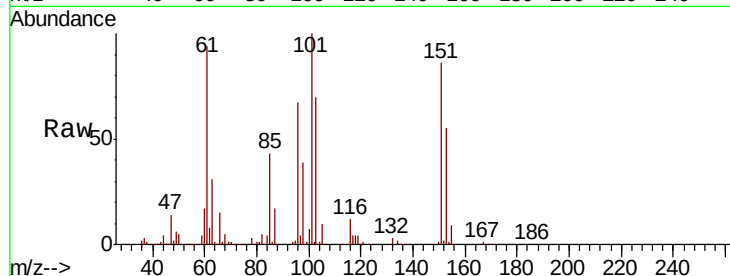
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 122578 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.3  | 35.9  | 53.9   |
| 151       | 82.2  | 66.6  | 100.0  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 45.918 ug/l

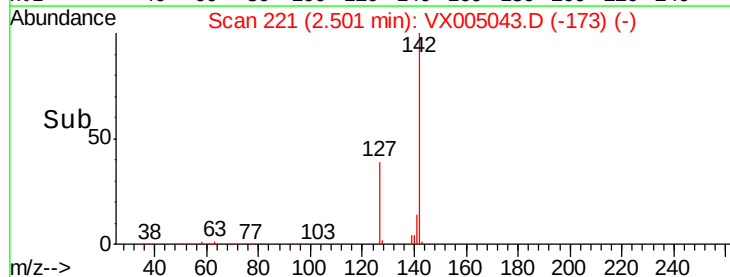
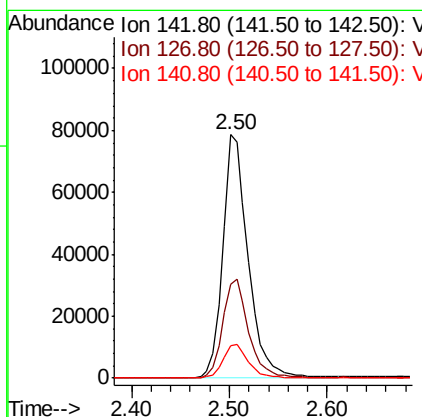
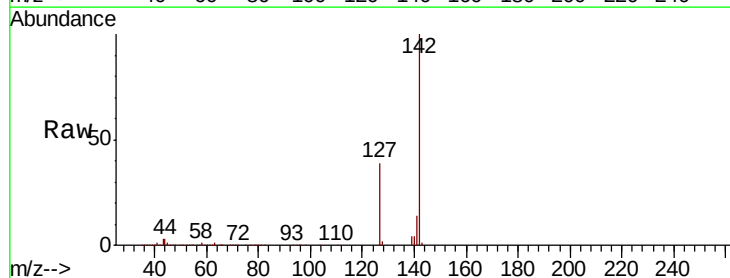
RT: 2.50 min Scan# 221

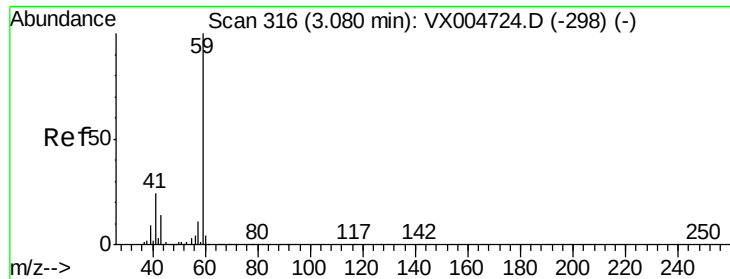
Delta R.T. -0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 141085 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.9  | 30.1  | 45.1   |
| 141       | 13.9  | 10.1  | 15.1   |





#11

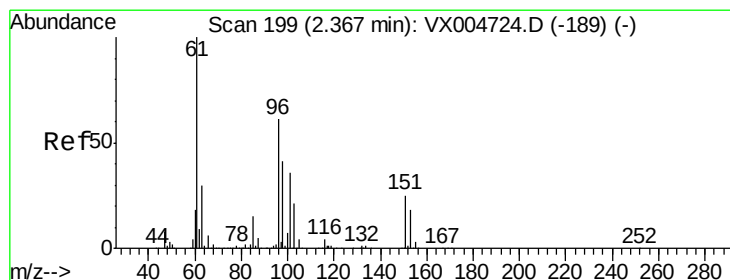
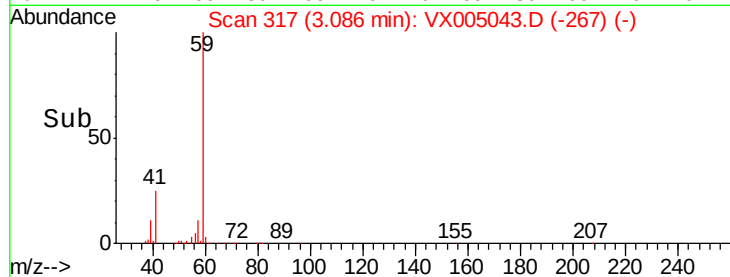
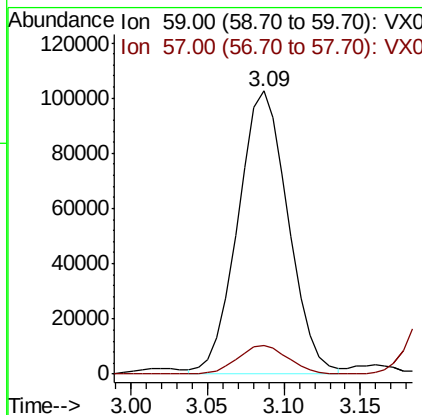
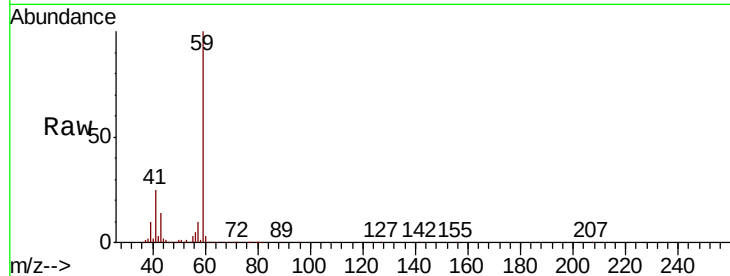
Tert butyl alcohol  
Concen: 279.200 ug/l  
RT: 3.09 min Scan# 317  
Delta R.T. 0.01 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.6   | 12.8  |

Manual Integrations  
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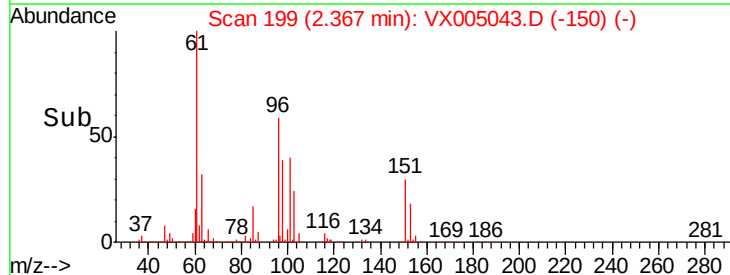
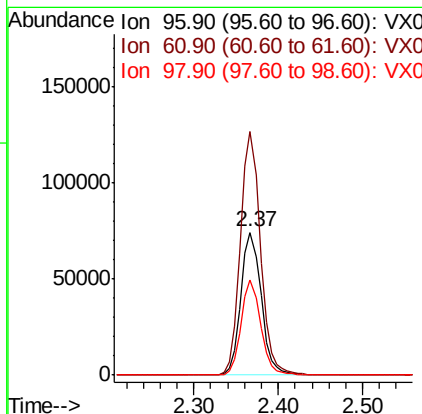
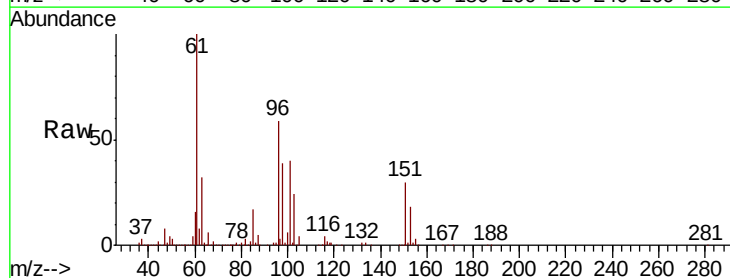
MMDadoda  
10/5/2018 3:24:54 PM

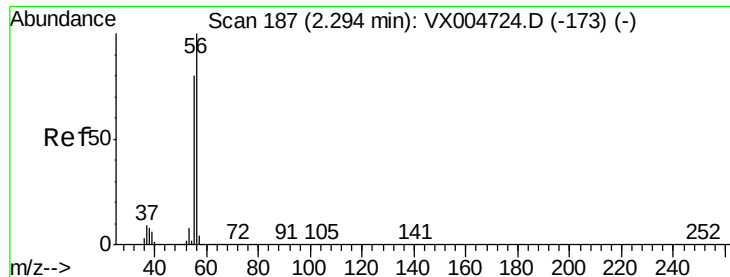


#12

1,1-Dichloroethene  
Concen: 52.672 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 170.6 | 130.2 | 195.4 |
| 98      | 66.6  | 53.4  | 80.0  |





#13

Acrolein

Concen: 67.012 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39966

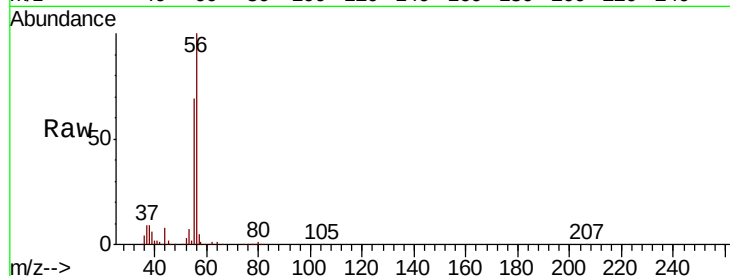
Ion Ratio Lower Upper

56 100

55 68.5 63.4 95.2

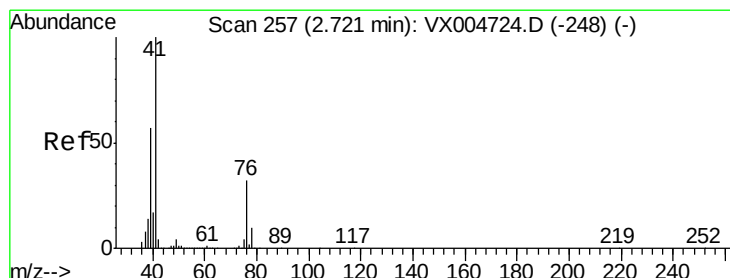
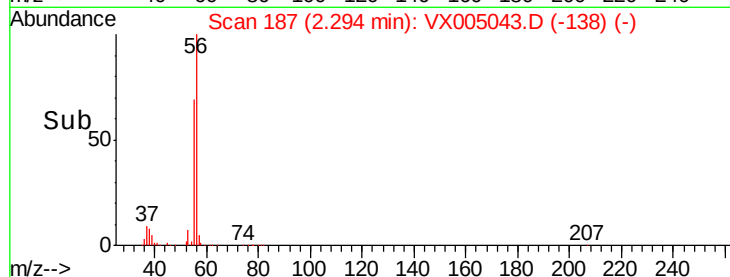
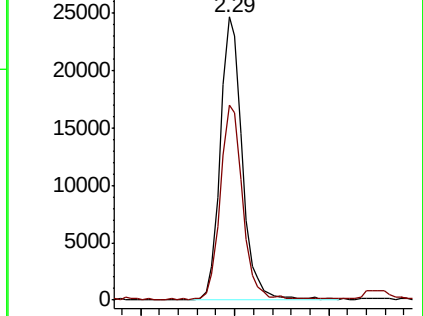
Manual Integrations  
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 54.956 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

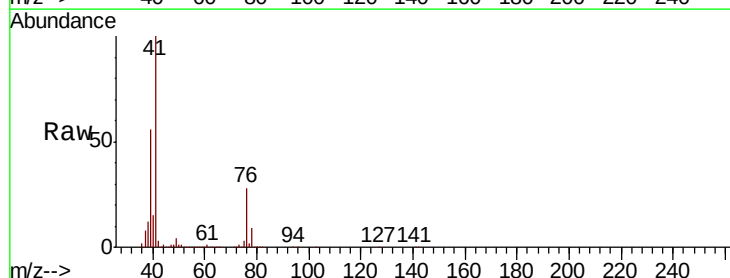
Tgt Ion: 41 Resp: 272666

Ion Ratio Lower Upper

41 100

39 57.1 44.1 66.1

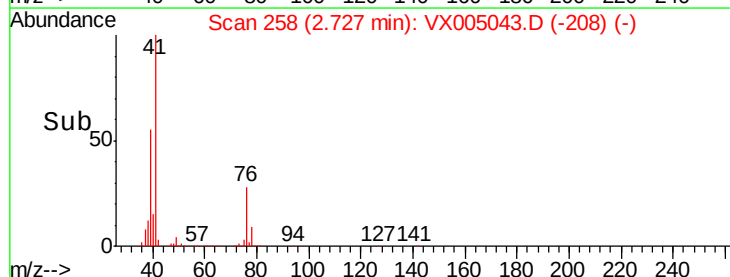
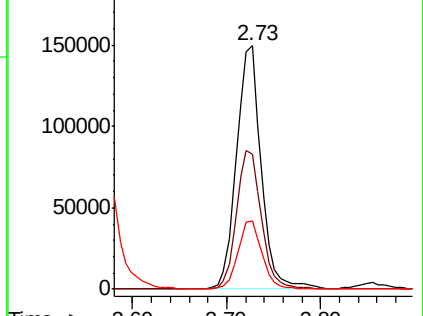
76 27.3 25.0 37.4

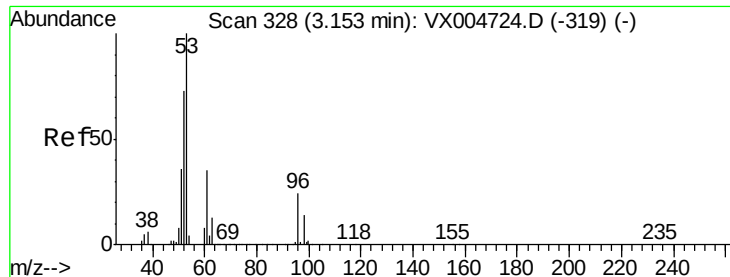


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 282.979 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

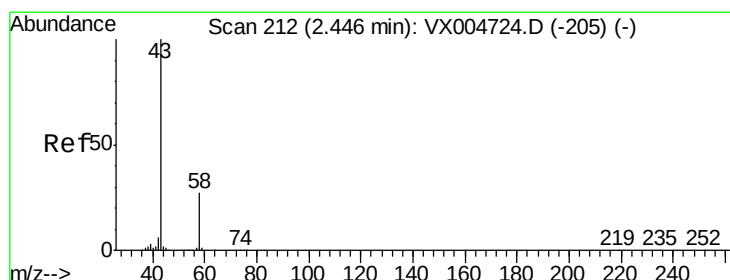
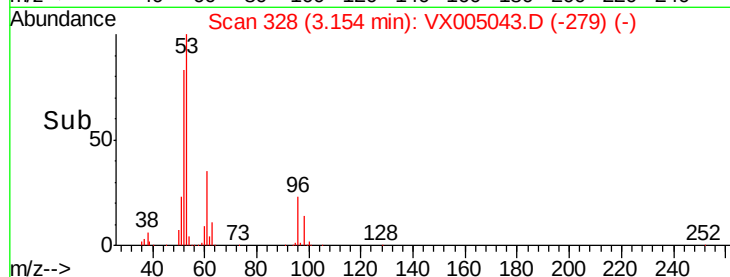
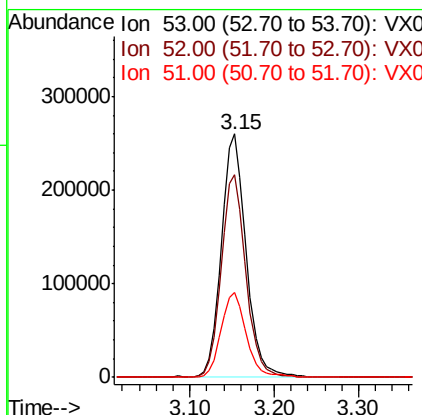
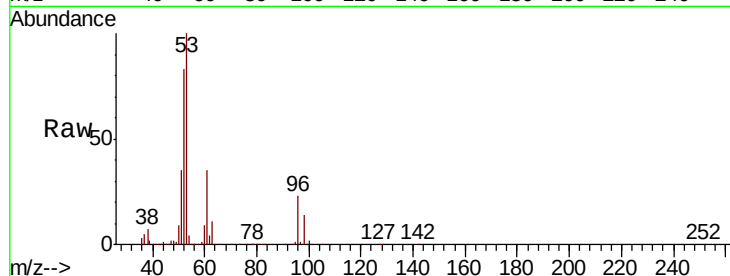
ClientSampleId :

VSTDCCC050

| Tot Ion | 53    | Resp  | 522175 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 53      | 100   |       |        |
| 52      | 82.9  | 63.0  | 94.4   |
| 51      | 35.7  | 28.6  | 42.8   |

Manual Integrations  
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#16

Acetone

Concen: 261.760 ug/l

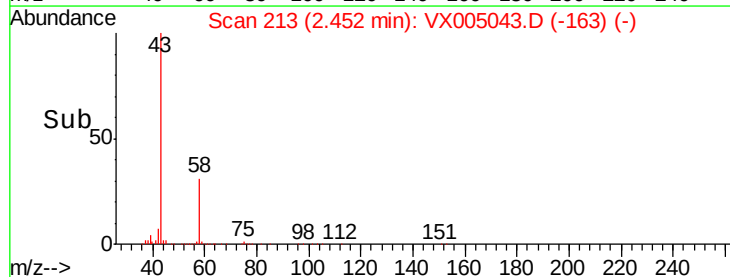
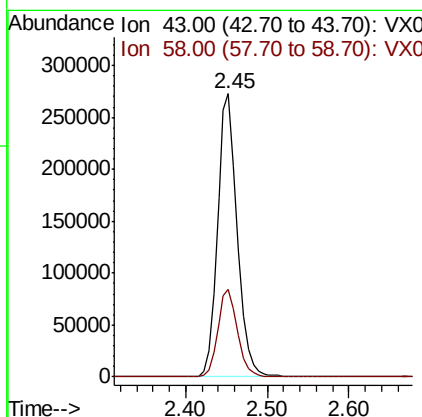
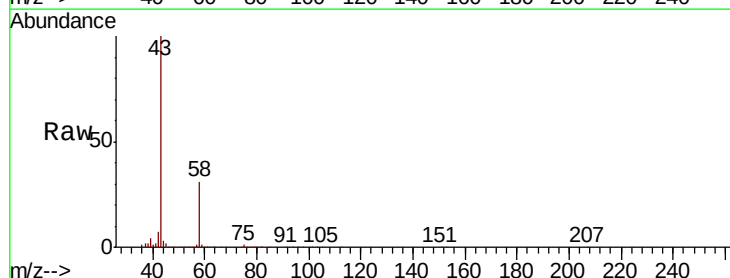
RT: 2.45 min Scan# 213

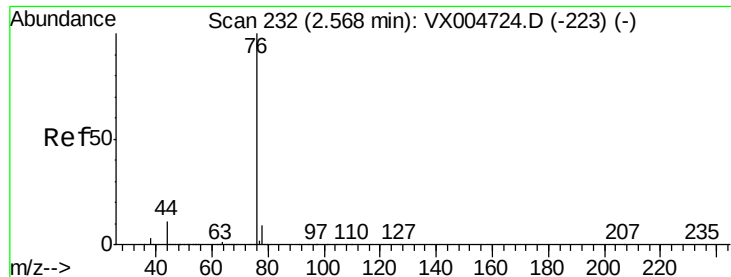
Delta R.T. 0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

| Tgt Ion | 43    | Resp  | 458138 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 58      | 31.1  | 21.8  | 32.6   |





#17

Carbon Disulfide

Concen: 47.573 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 325060

Ion Ratio Lower Upper

76 100

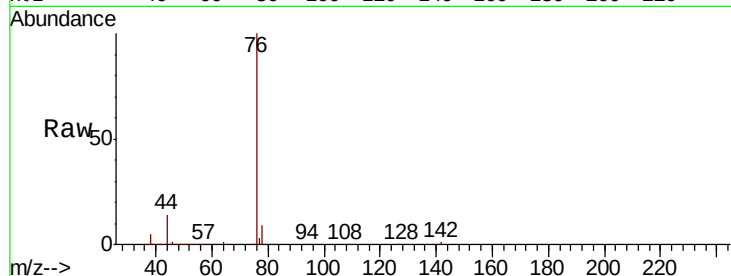
78 9.3 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

200000

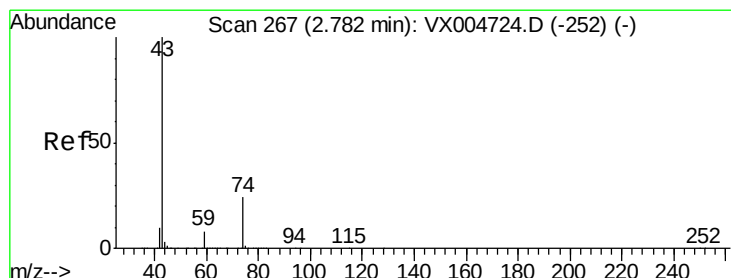
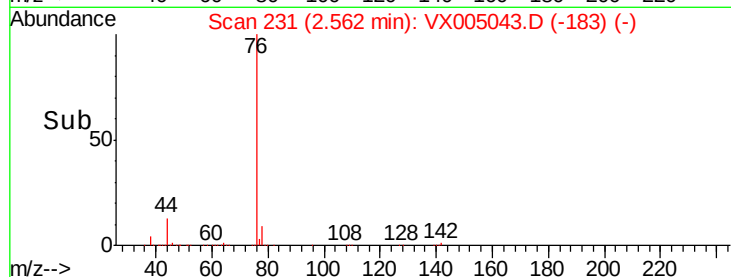
150000

100000

50000

0

Time--> 2.40 2.50 2.60 2.70



#18

Methyl Acetate

Concen: 66.467 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005043.D

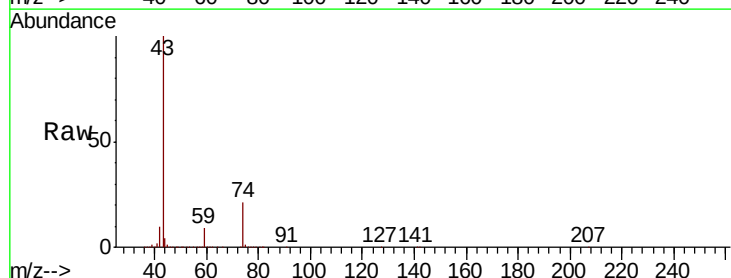
Acq: 05 Oct 2018 02:43

Tgt Ion: 43 Resp: 294742

Ion Ratio Lower Upper

43 100

74 21.6 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

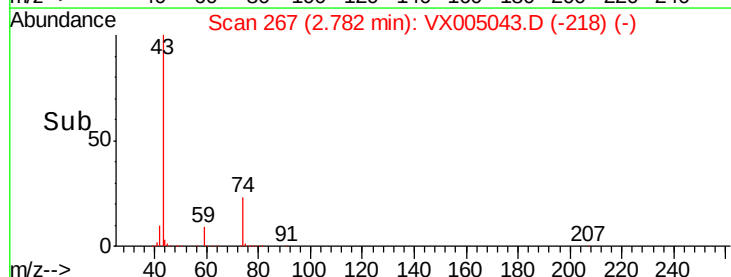
150000

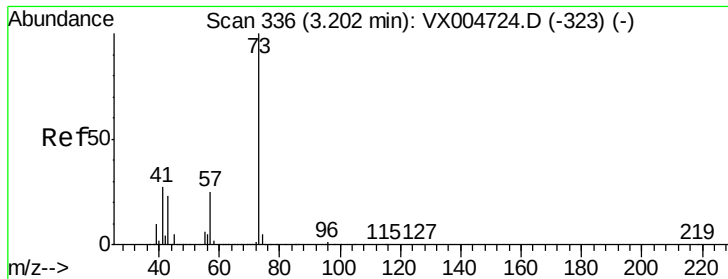
100000

50000

0

Time--> 2.60 2.70 2.80 2.90





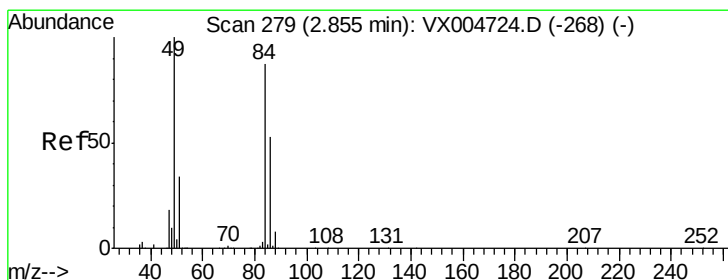
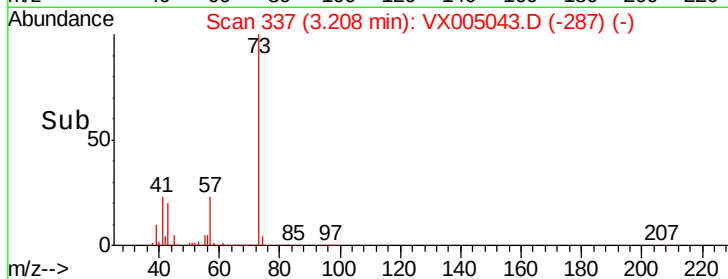
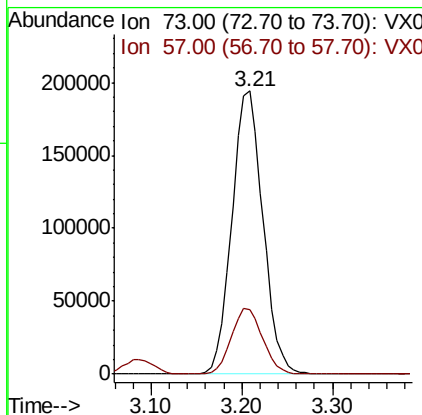
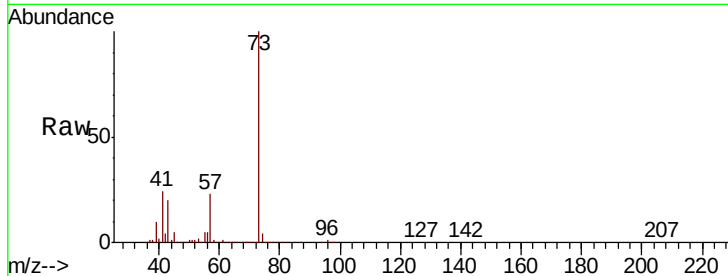
#19  
Methyl tert-butyl Ether  
Concen: 58.740 ug/l  
RT: 3.21 min Scan# 337  
Delta R.T. 0.01 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.8  | 19.9  | 29.9  |

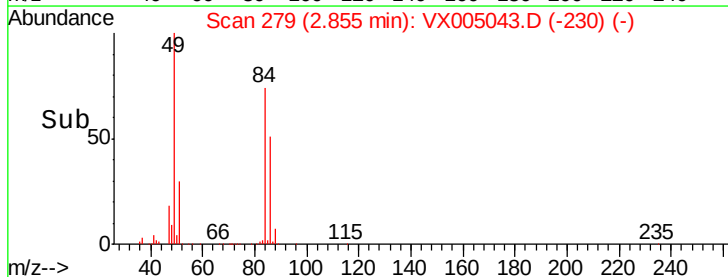
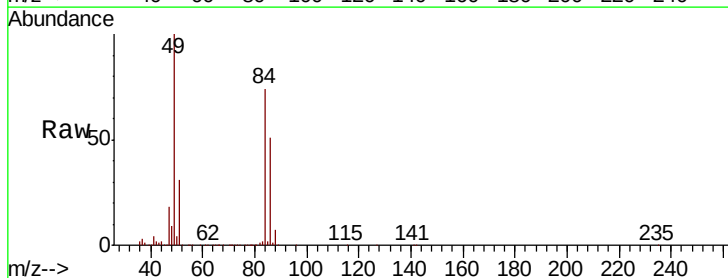
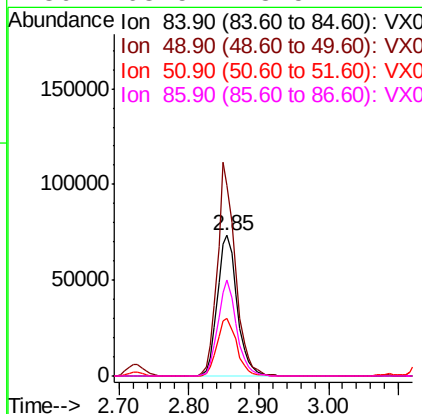
Manual Integrations  
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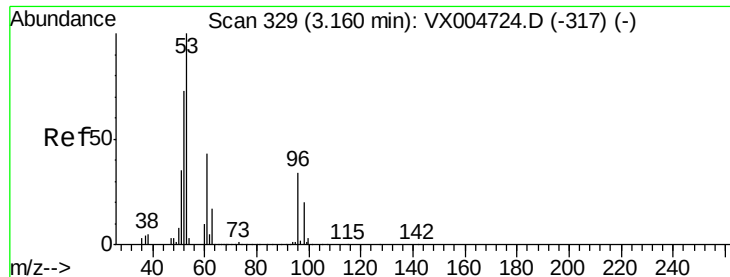
MMDadoda  
10/5/2018 3:24:54 PM



#20  
Methylene Chloride  
Concen: 56.696 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 135.2 | 92.3  | 138.5 |
| 51      | 41.3  | 31.8  | 47.6  |
| 86      | 68.5  | 48.5  | 72.7  |





#21

trans-1,2-Dichloroethene

Concen: 51.301 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

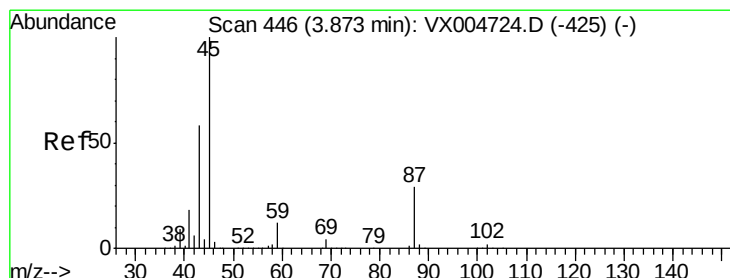
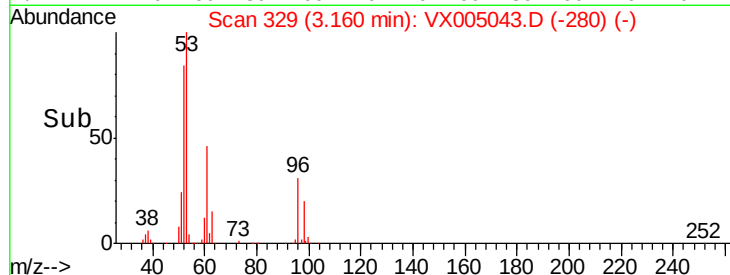
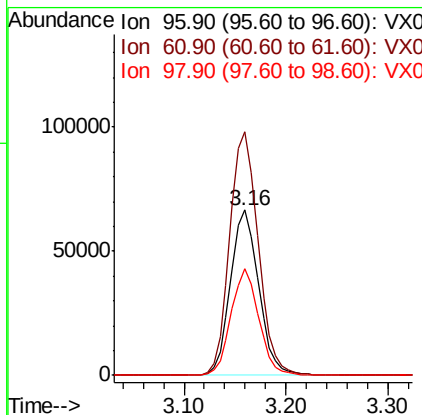
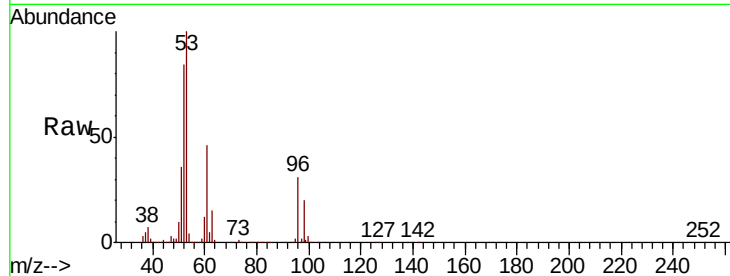
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 127699 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 147.2 | 101.0 | 151.6  |
| 98       | 64.8  | 47.2  | 70.8   |

Manual Integrations  
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10/5/2018 3:24:54 PM



#22

Diisopropyl ether

Concen: 56.007 ug/l

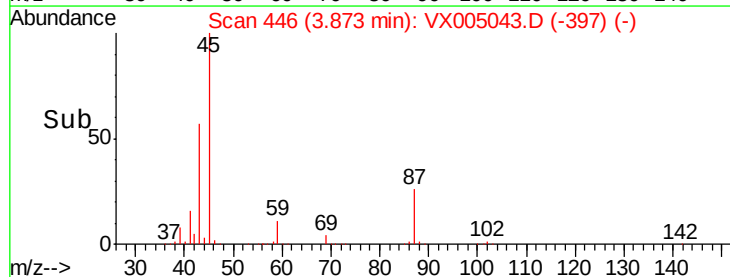
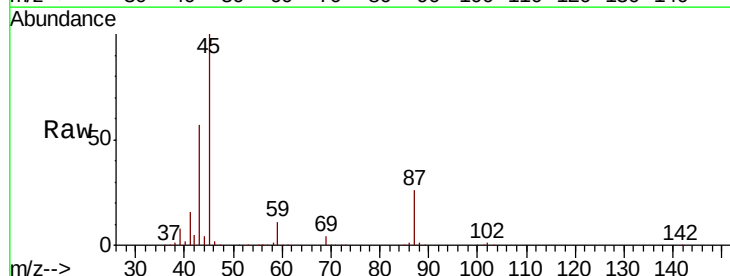
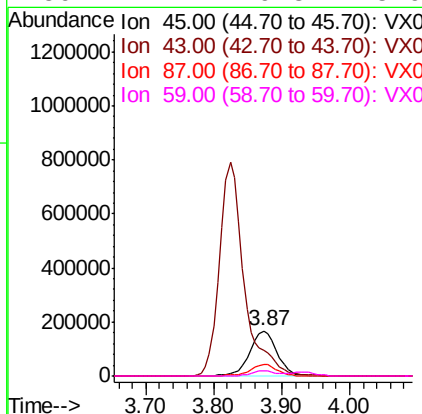
RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

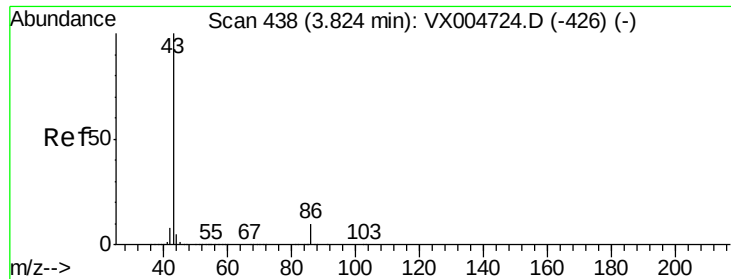
Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 467920 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 56.7  | 46.7  | 70.1   |
| 87       | 25.5  | 22.9  | 34.3   |
| 59       | 11.1  | 9.3   | 13.9   |







#23

Vinyl Acetate

Concen: 262.782 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2009648

Ion Ratio Lower Upper

43 100

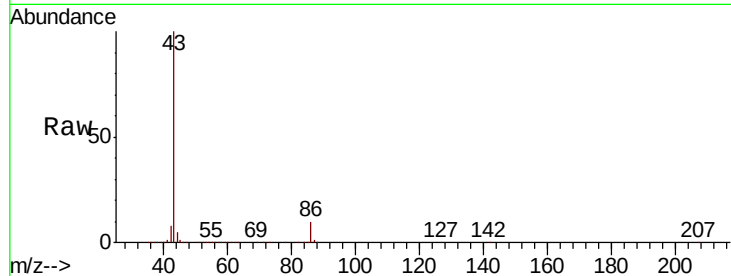
86 9.7 8.1 12.1

Manual Integrations

APPROVED

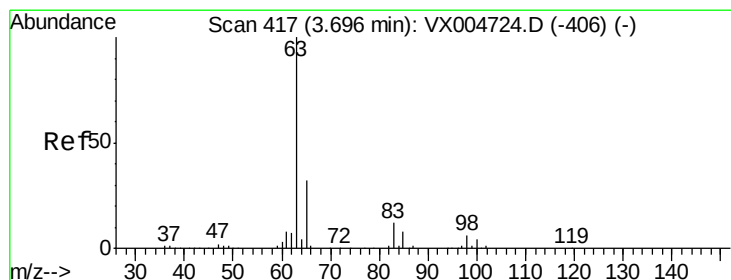
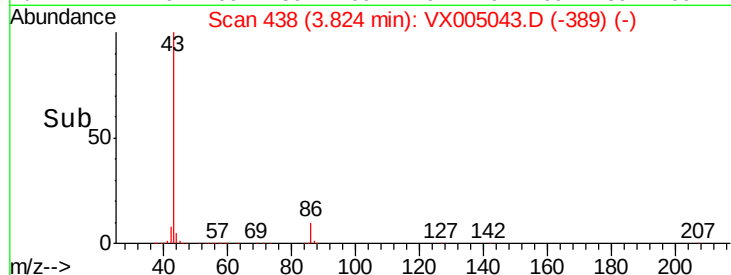
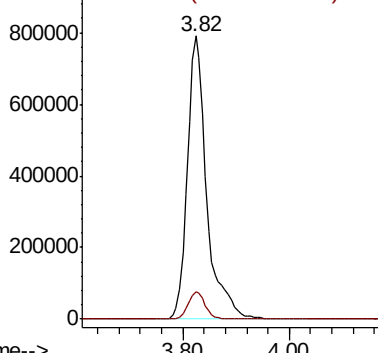
MMDadoda

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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: 53.034 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

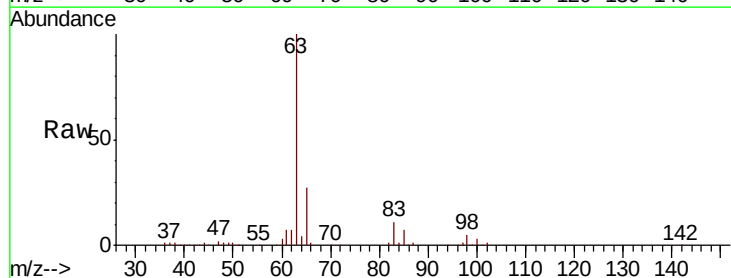
Tgt Ion: 63 Resp: 264307

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

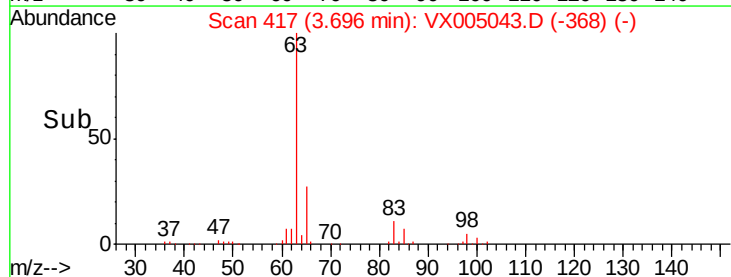
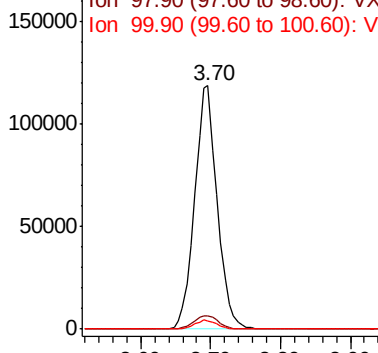
100 3.5 2.0 5.8

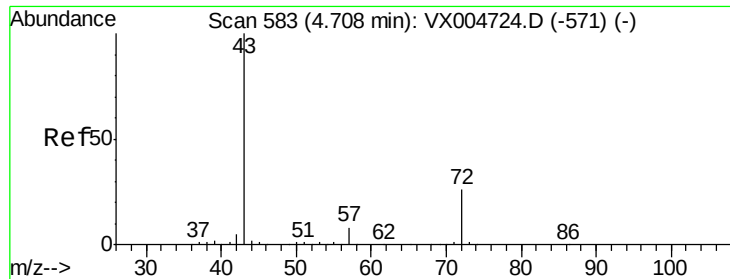


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 266.997 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 688821

Ion Ratio Lower Upper

43 100

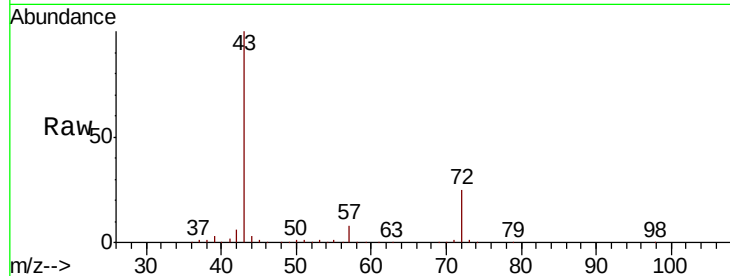
72 25.0 20.8 31.2

Manual Integrations

APPROVED

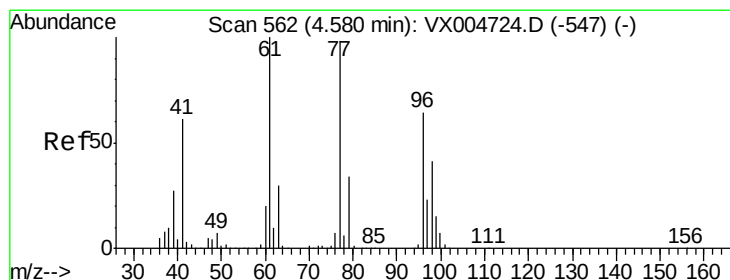
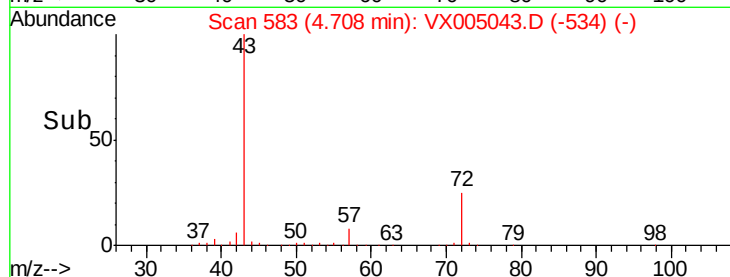
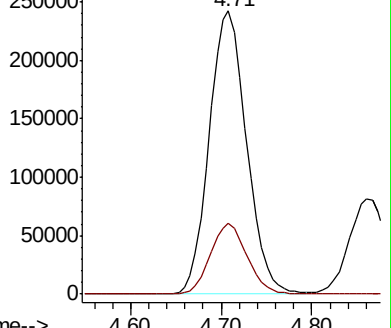
MMDadoda

10/5/2018 3:24:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 39.045 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005043.D

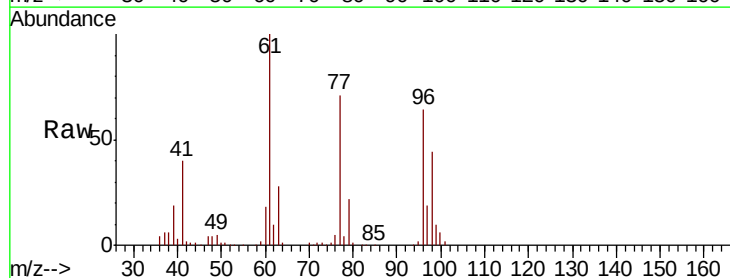
Acq: 05 Oct 2018 02:43

Tgt Ion: 77 Resp: 135502

Ion Ratio Lower Upper

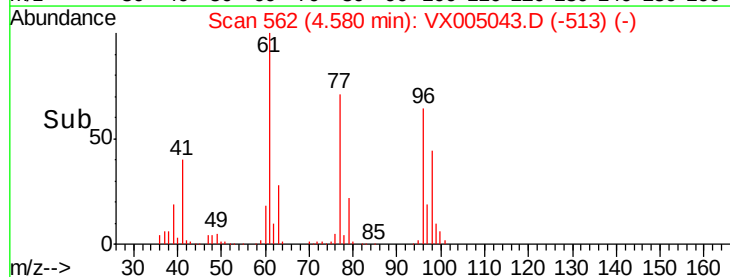
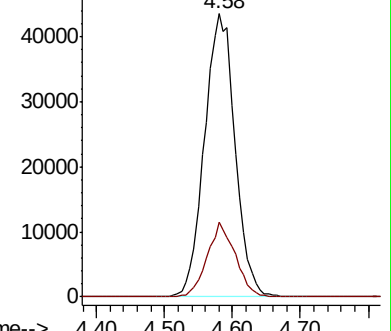
77 100

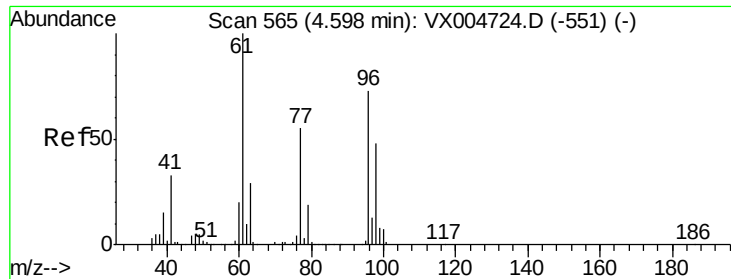
97 24.2 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

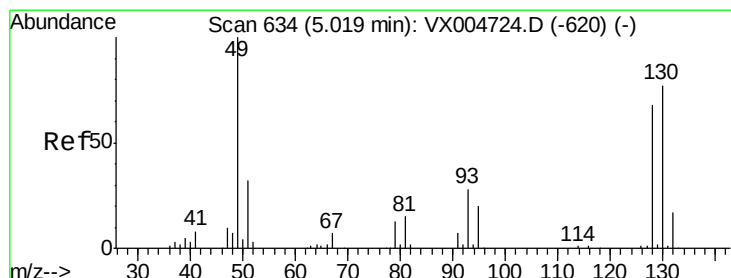
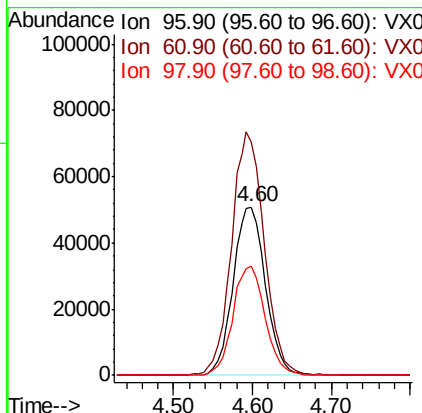
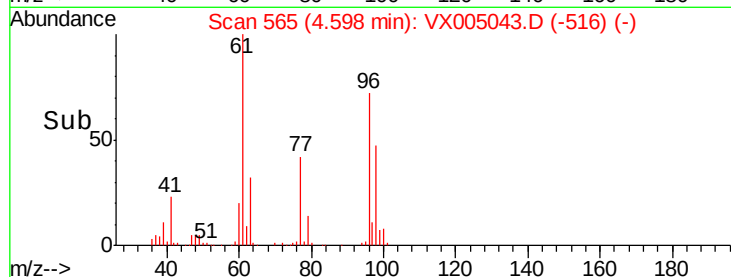
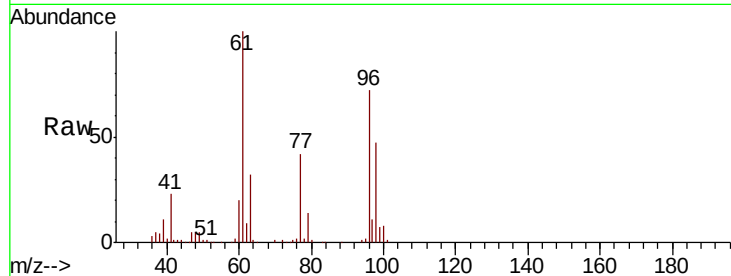
cis-1,2-Dichloroethene  
Concen: 52.068 ug/l  
RT: 4.60 min Scan# 565  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 144791 |       |       |
| 61      | 145.3 | 0.0    | 285.8 |       |
| 98      | 64.5  | 0.0    | 136.2 |       |

Manual Integrations  
APPROVED

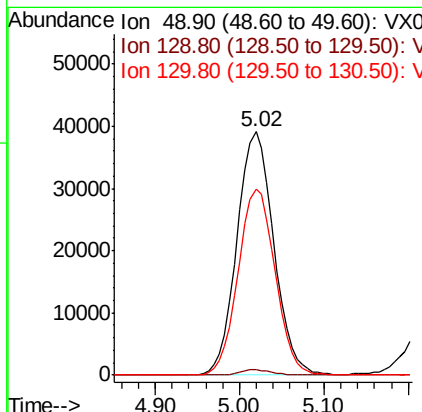
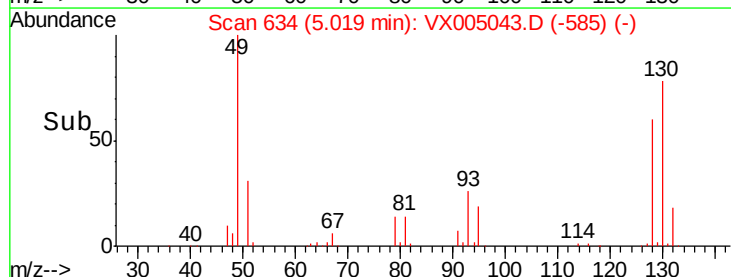
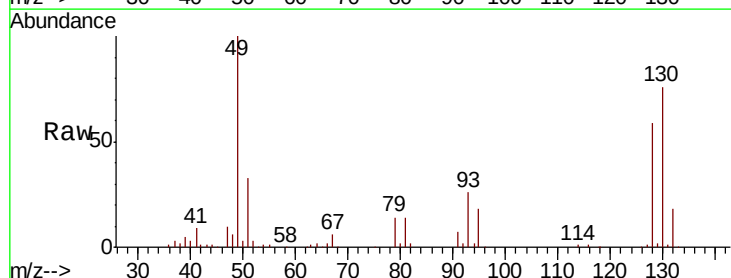
MMDadoda  
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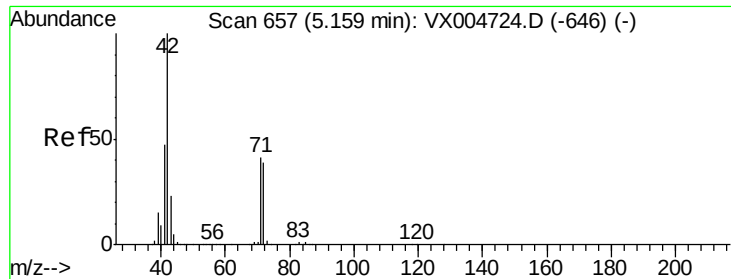


#28

Bromochloromethane  
Concen: 49.499 ug/l  
RT: 5.02 min Scan# 634  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 116168 |       |       |
| 129     | 2.0   | 0.0    | 4.2   |       |
| 130     | 76.8  | 62.0   | 93.0  |       |





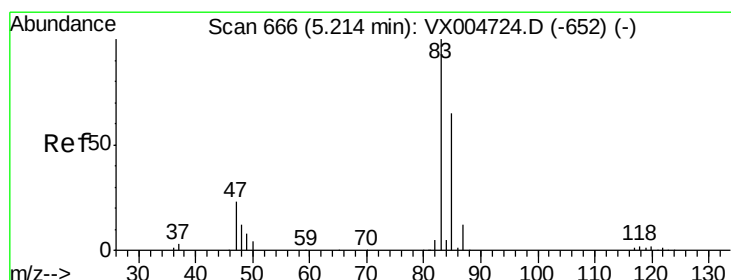
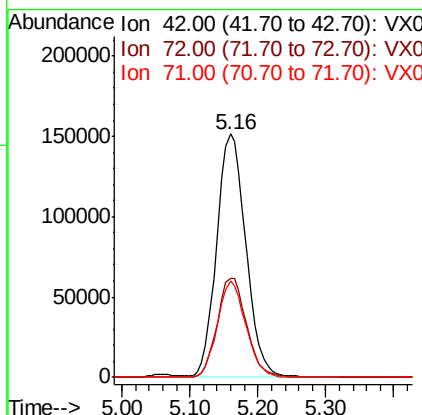
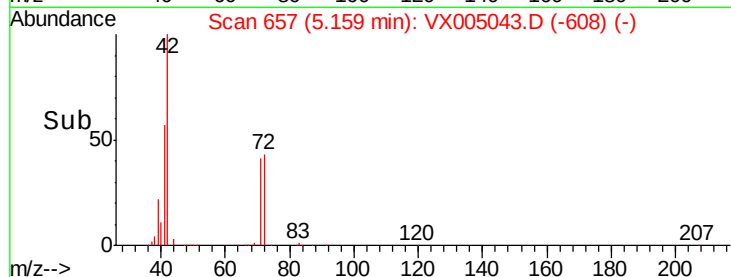
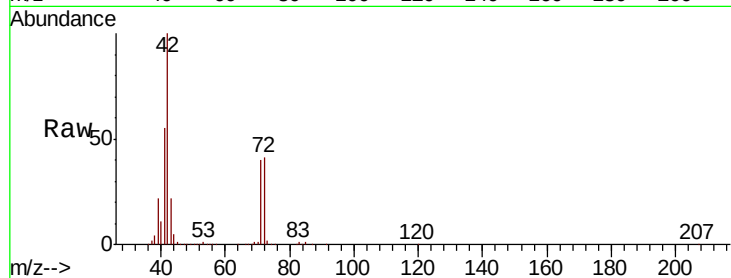
#29  
Tetrahydrofuran  
Concen: 280.582 ug/l  
RT: 5.16 min Scan# 657  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.2  | 33.7  | 50.5  |
| 71      | 38.7  | 32.2  | 48.4  |

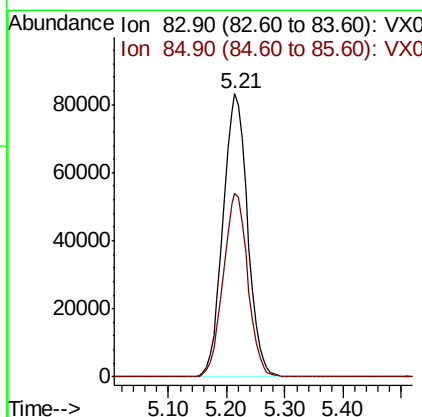
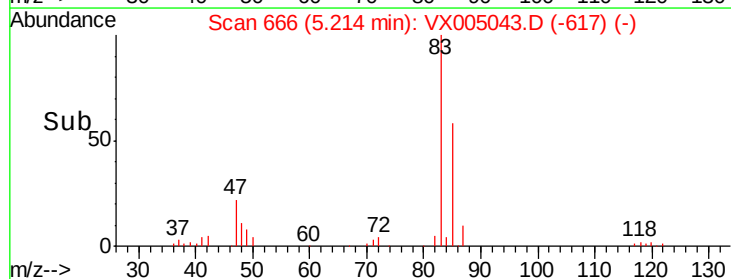
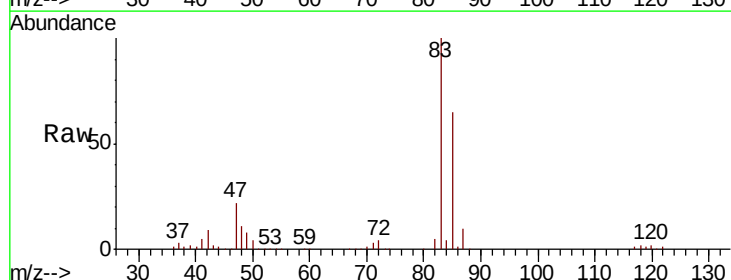
Manual Integrations  
APPROVED

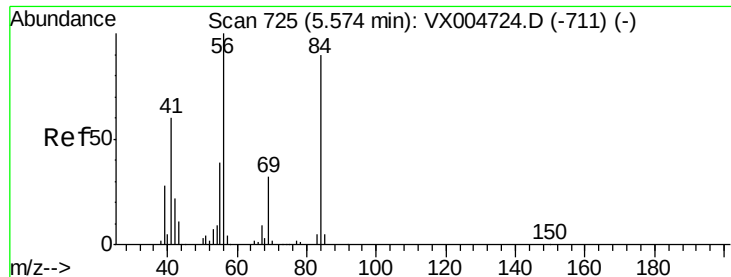
MMDadoda  
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#30  
Chloroform  
Concen: 51.823 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.7  | 52.4  | 78.6  |





#31

Cyclohexane

Concen: 53.466 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

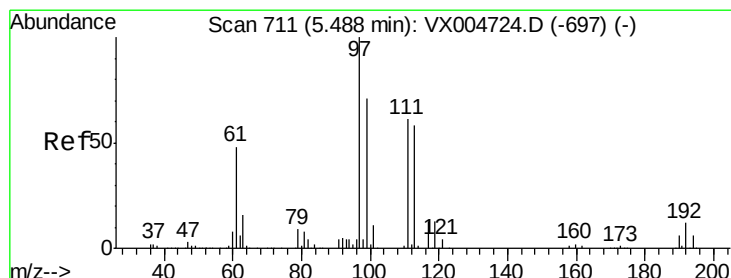
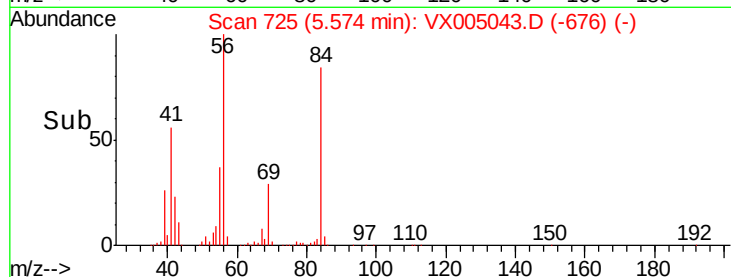
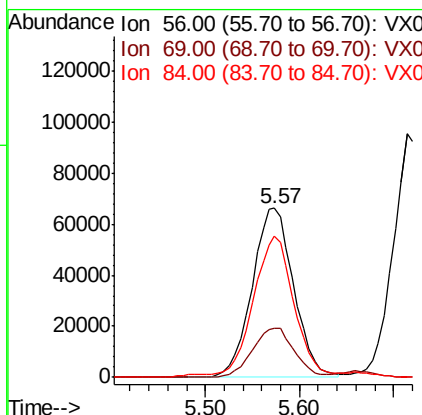
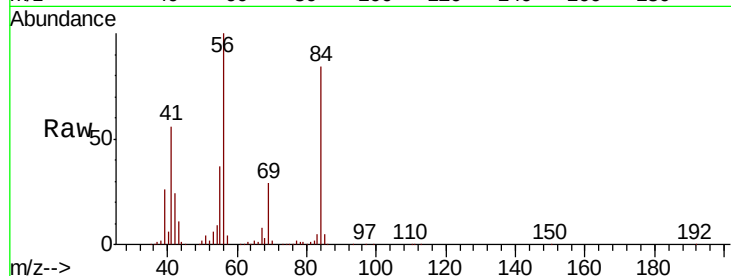
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 203938 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.9  | 25.9  | 38.9   |
| 84       | 82.3  | 71.9  | 107.9  |

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 52.972 ug/l

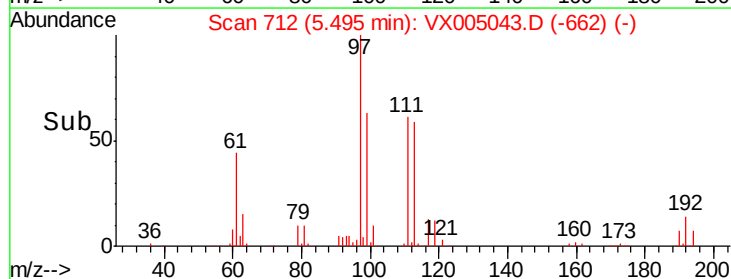
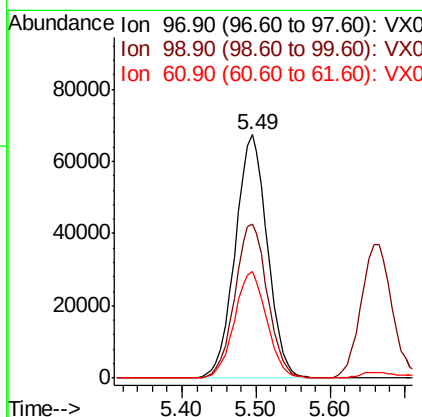
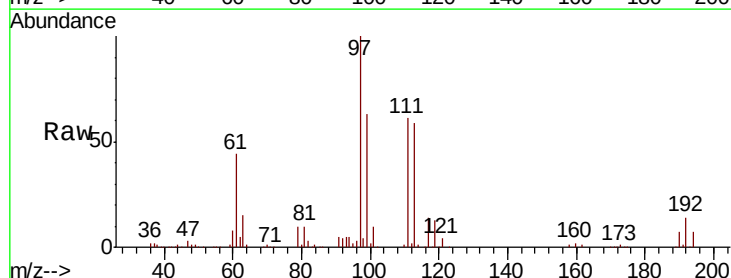
RT: 5.49 min Scan# 712

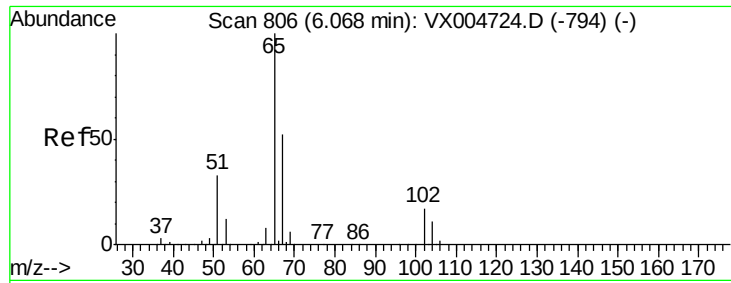
Delta R.T. 0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 203763 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.4  | 54.6  | 82.0   |
| 61       | 44.0  | 37.5  | 56.3   |





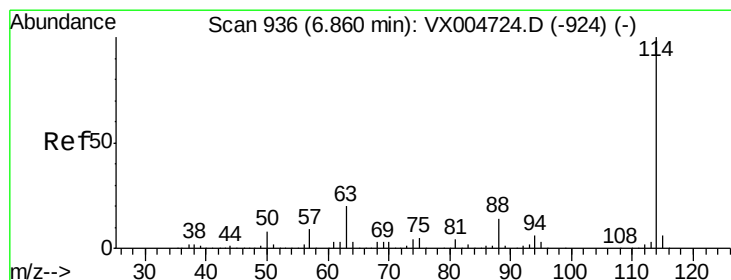
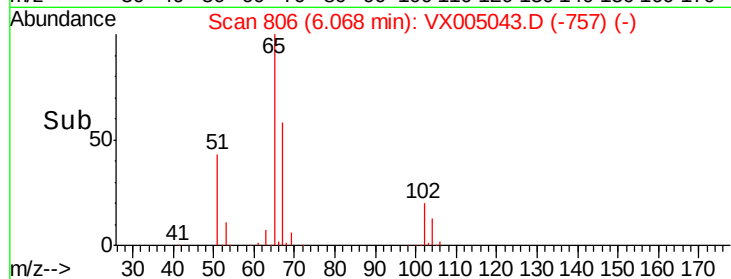
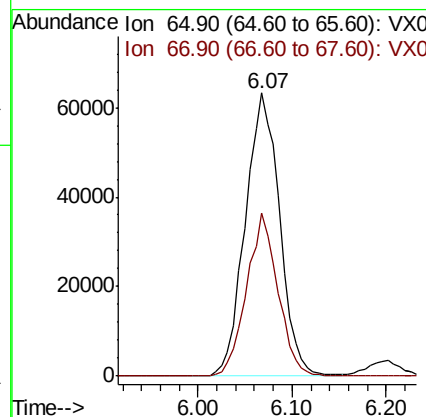
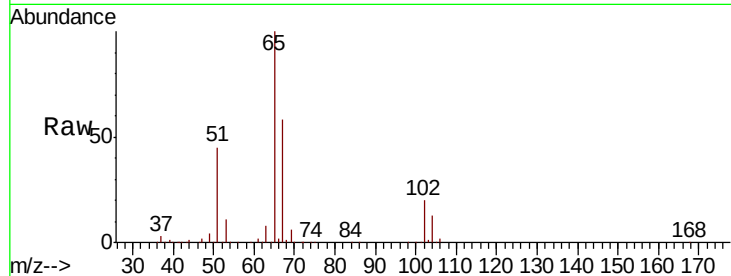
#33  
 1,2-Dichloroethane-d4  
 Concen: 53.820 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.8  | 0.0   | 107.4 |

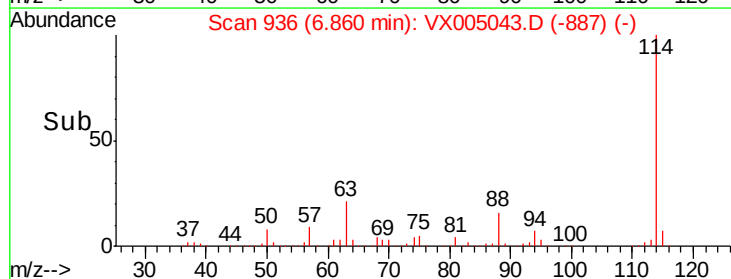
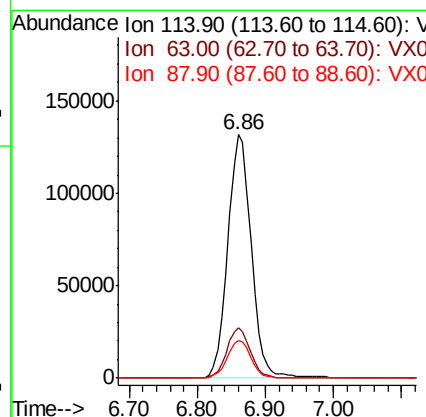
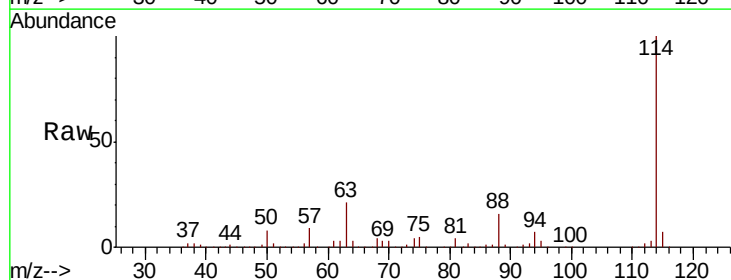
Manual Integrations  
 APPROVED

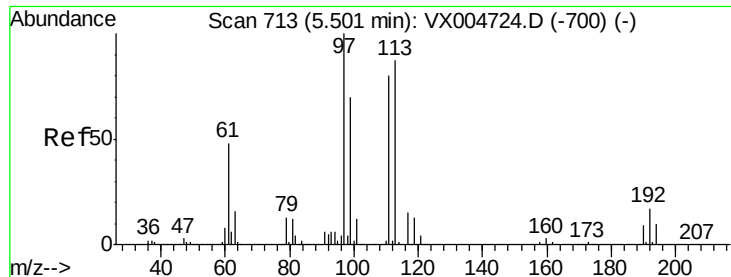
MMDadoda  
 10/5/2018 3:24:54 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.7  | 0.0   | 39.8  |
| 88      | 15.6  | 0.0   | 27.0  |





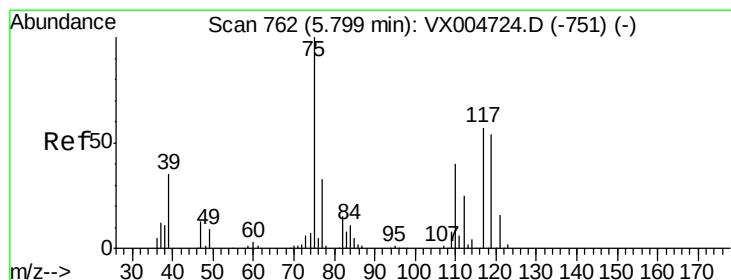
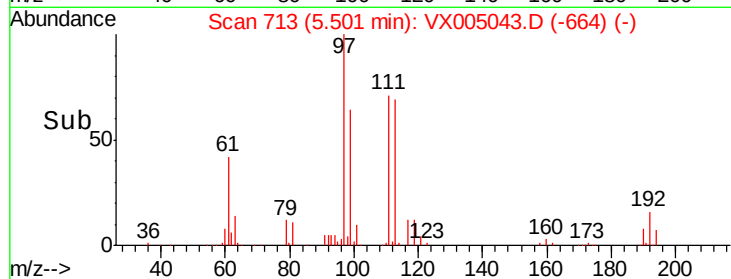
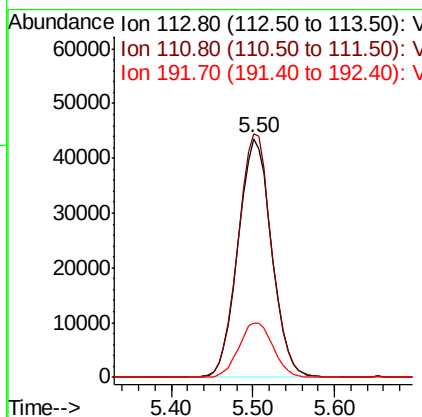
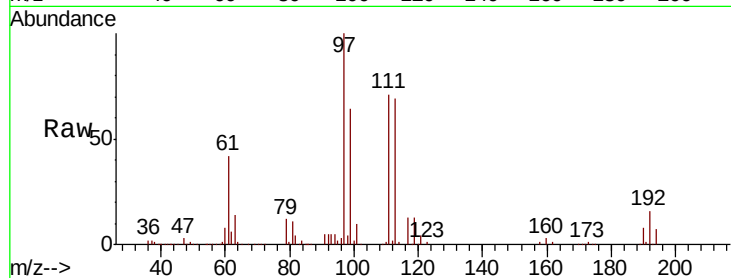
#35  
 Dibromofluoromethane  
 Concen: 46.436 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 77.0  | 115.4 |
| 192     | 23.3  | 17.0  | 25.6  |

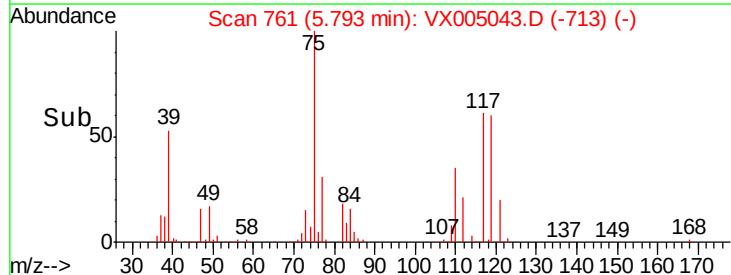
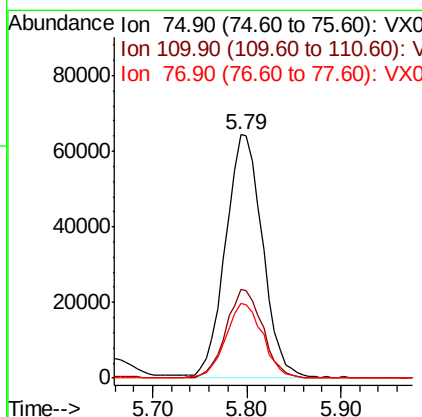
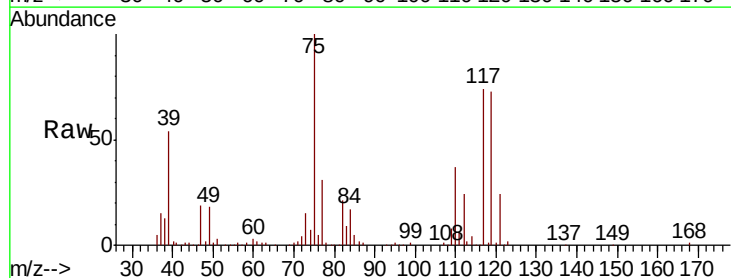
Manual Integrations  
 APPROVED

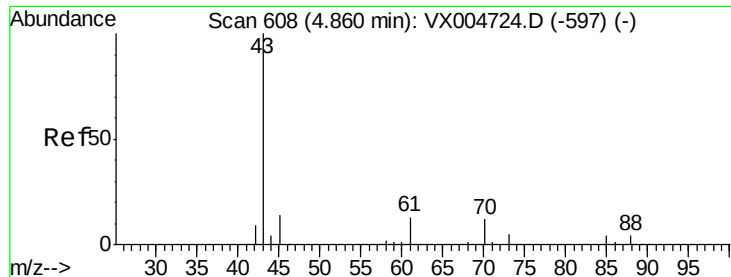
MMDadoda  
 10/5/2018 3:24:54 PM



#36  
 1,1-Dichloropropene  
 Concen: 47.810 ug/l  
 RT: 5.79 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.5  | 20.0  | 59.9  |
| 77      | 30.6  | 27.1  | 40.7  |





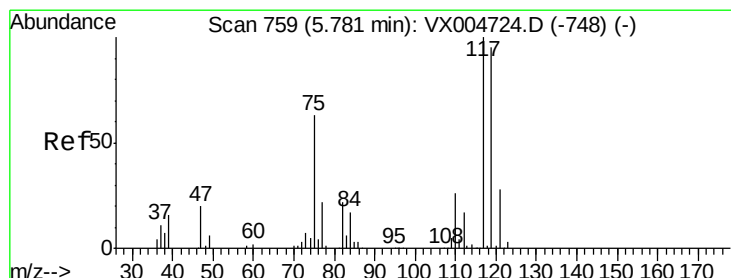
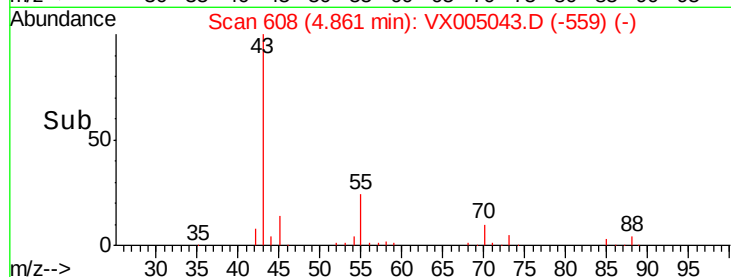
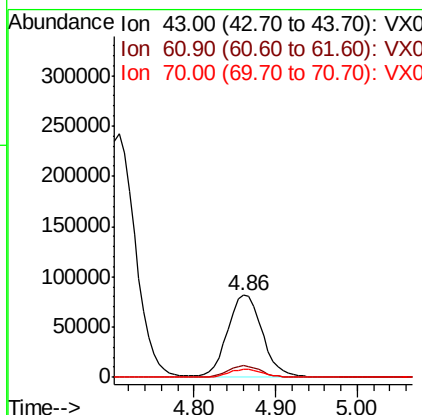
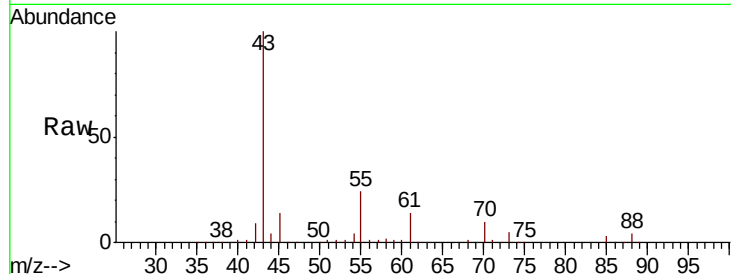
#37  
Ethyl Acetate  
Concen: 49.441 ug/l  
RT: 4.86 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.0  | 10.4  | 15.6  |
| 70      | 10.1  | 8.7   | 13.1  |

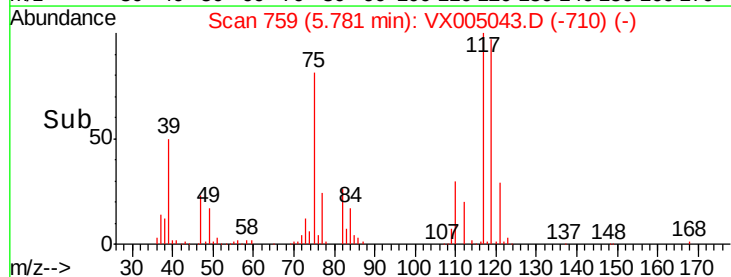
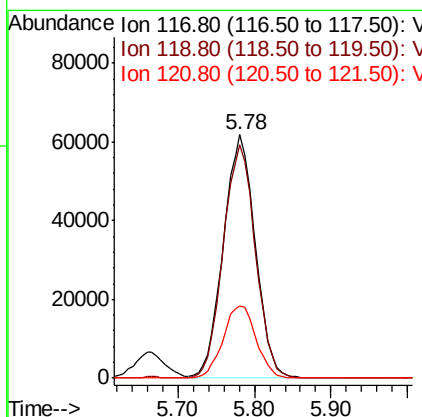
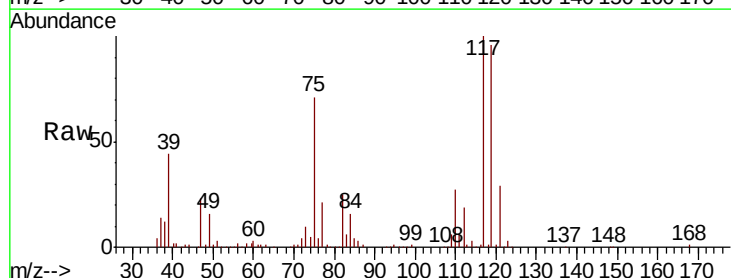
Manual Integrations  
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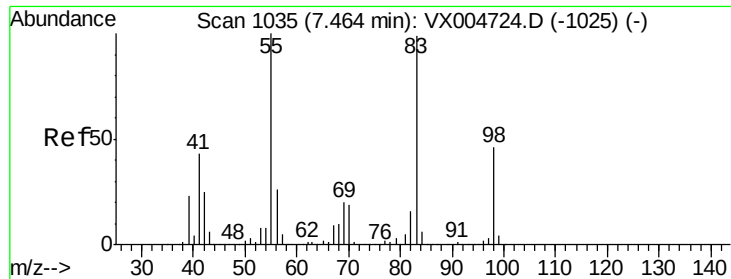


#38  
Carbon Tetrachloride  
Concen: 46.459 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.0  | 75.2  | 112.8 |
| 121     | 29.5  | 22.5  | 33.7  |







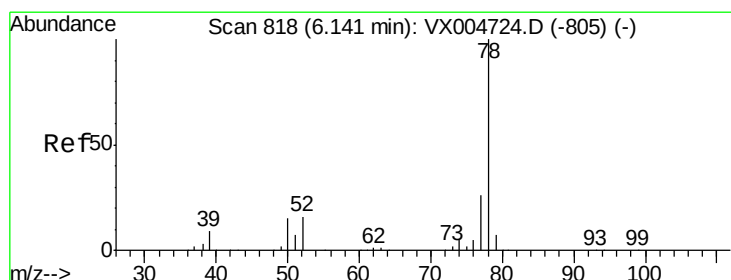
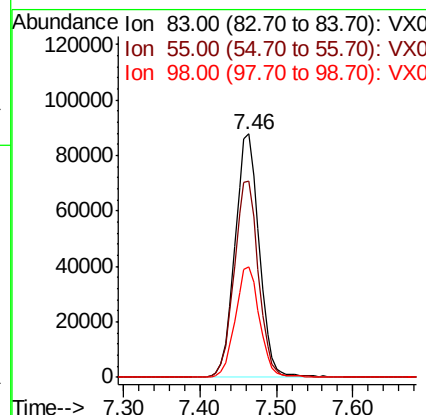
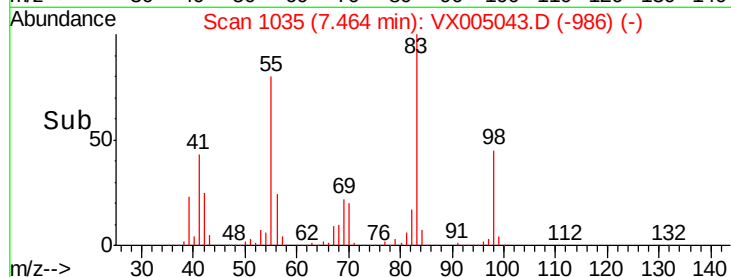
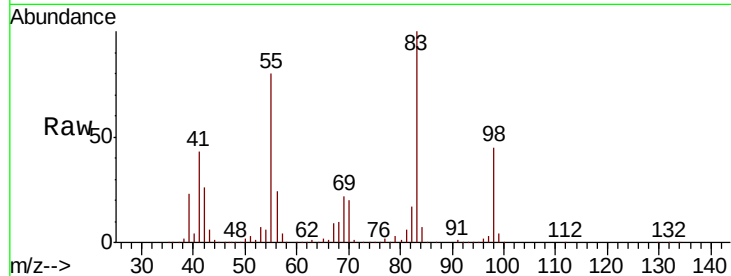
#39  
Methylvlcyclohexane  
Concen: 51.647 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 83   | Resp  | 192638 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 55        | 80.3 | 81.1  | 121.7# |
| 98        | 45.5 | 37.3  | 55.9   |

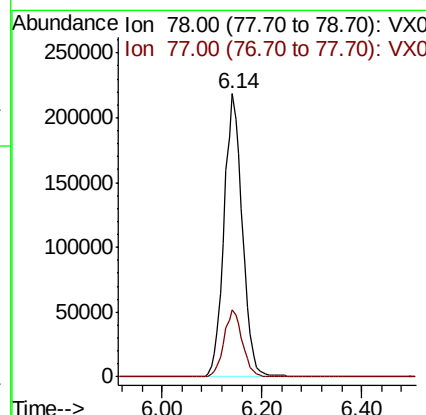
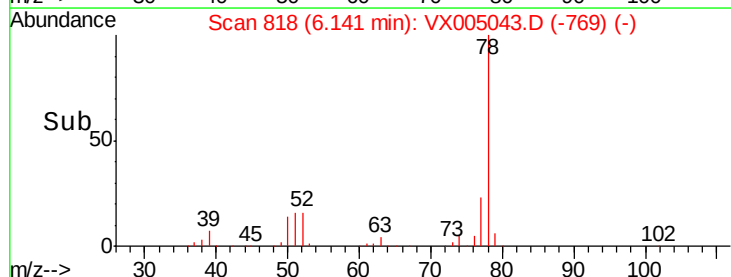
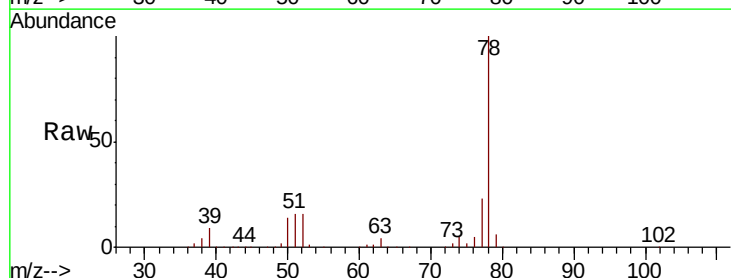
Manual Integrations  
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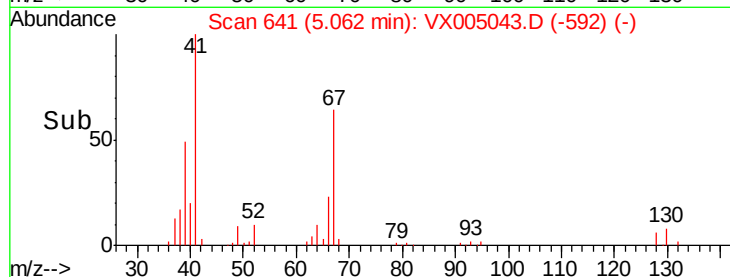
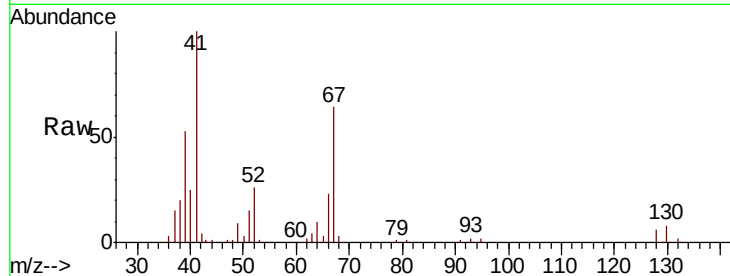
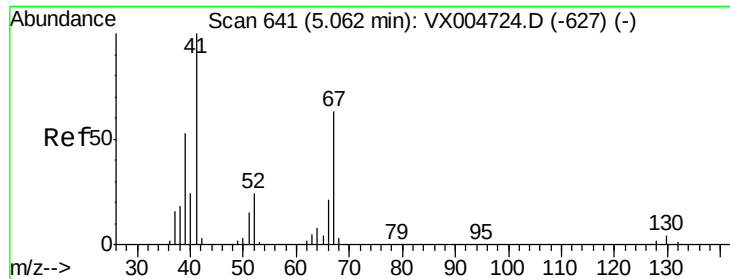
MMDadoda  
10/5/2018 3:24:54 PM



#40  
Benzene  
Concen: 48.544 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion   | 78   | Resp  | 555134 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.5 | 21.0  | 31.4   |





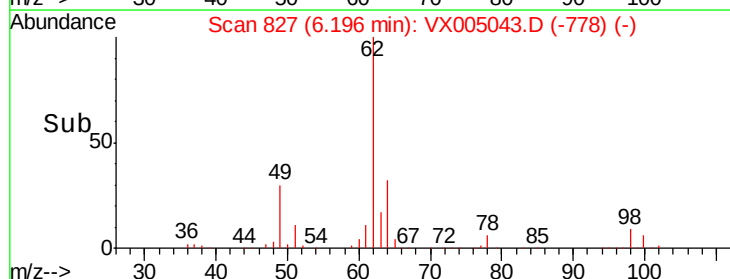
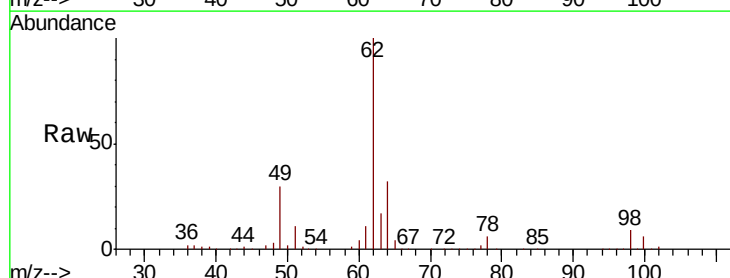
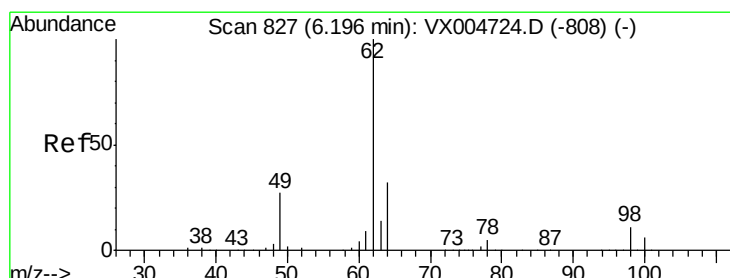
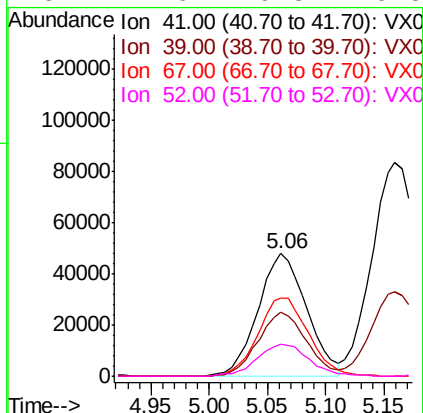
#41  
Methacrylonitrile  
Concen: 51.330 ug/l  
RT: 5.06 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 138025 |       |       |
| 39      | 52.2 | 42.5  | 63.7   |       |       |
| 67      | 67.1 | 53.0  | 79.6   |       |       |
| 52      | 27.6 | 19.8  | 29.8   |       |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

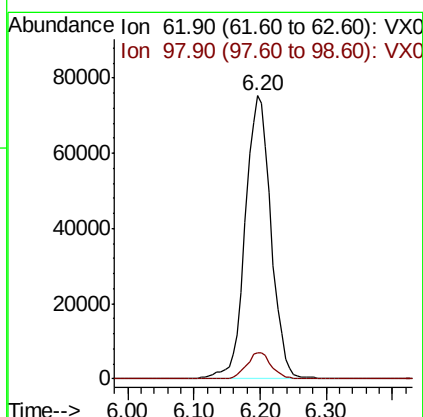
Manual Integrations  
APPROVED

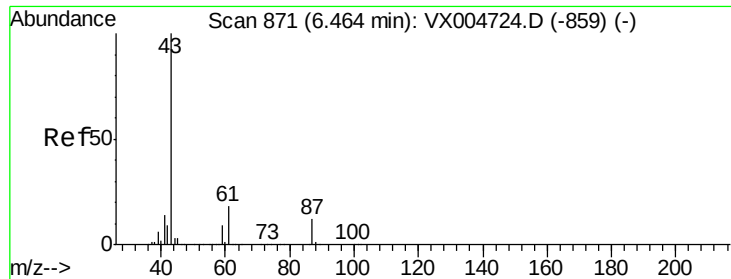
MMDadoda  
10/5/2018 3:24:54 PM



#42  
1,2-Dichloroethane  
Concen: 50.180 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 62      | 100 |       | 202863 |       |       |
| 98      | 9.0 | 0.0   | 20.2   |       |       |





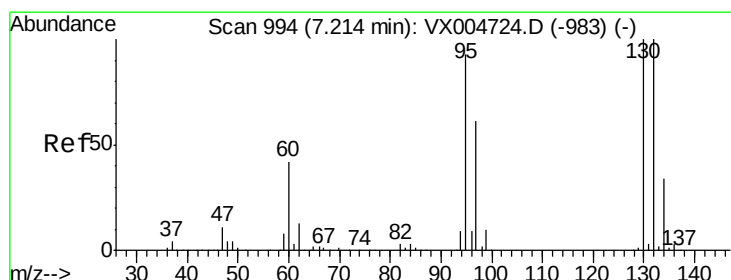
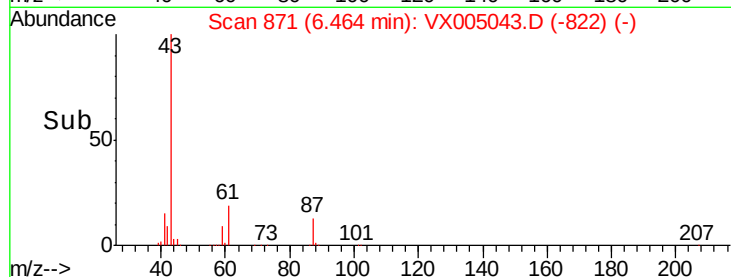
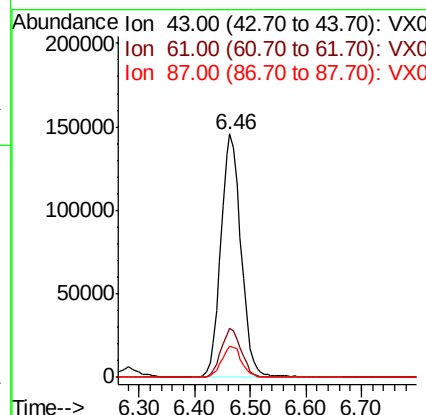
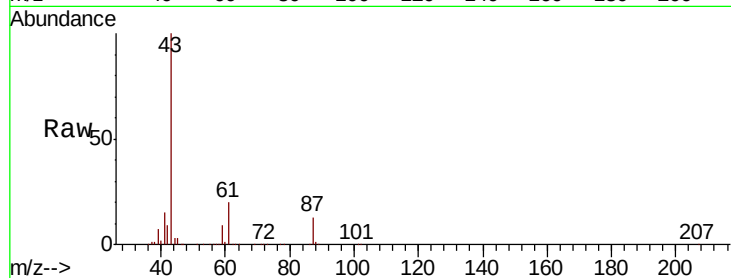
#43  
Isopropyl Acetate  
Concen: 52.209 ug/l  
RT: 6.46 min Scan# 871  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 365379 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 20.1  | 14.2  | 21.4   |
| 87       | 12.7  | 9.3   | 13.9   |

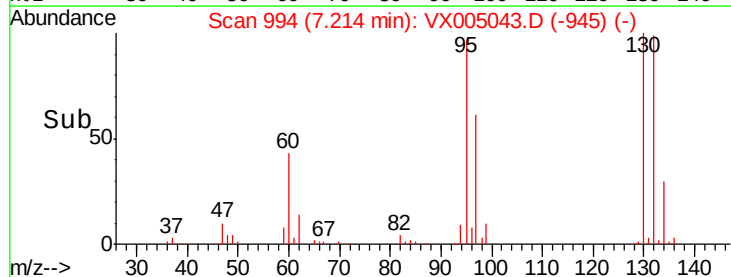
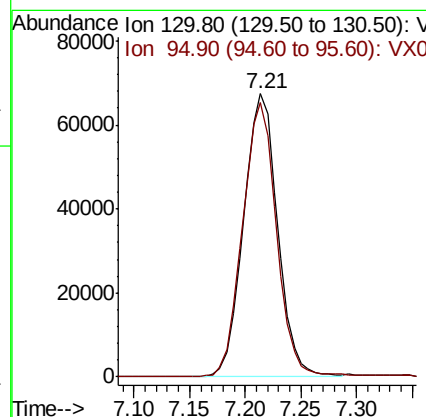
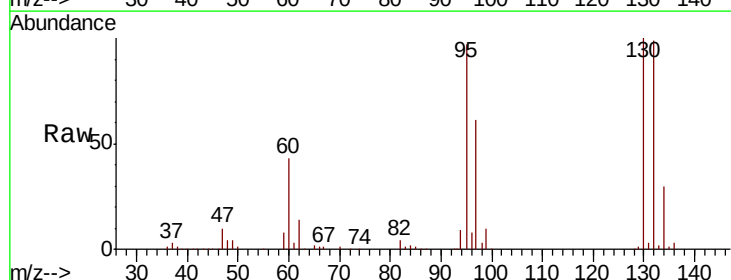
Manual Integrations  
APPROVED

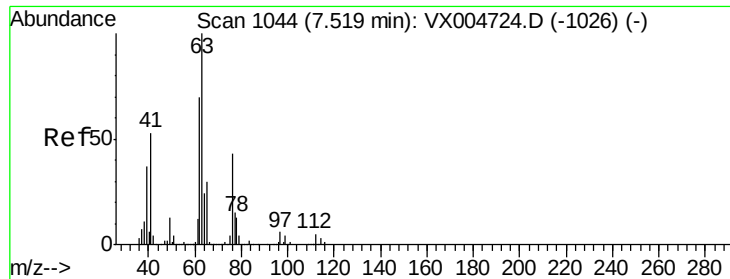
MMDadoda  
10/5/2018 3:24:54 PM



#44  
Trichloroethene  
Concen: 50.994 ug/l  
RT: 7.21 min Scan# 994  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 143359 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 96.8  | 0.0   | 186.8  |





#45

1,2-Dichloropropane

Concen: 53.407 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 149776

Ion Ratio Lower Upper

63 100

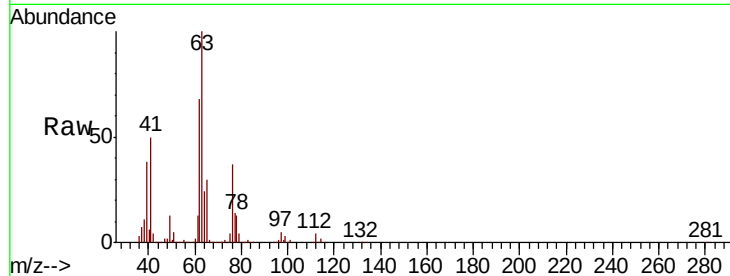
65 29.6 23.9 35.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

80000

60000

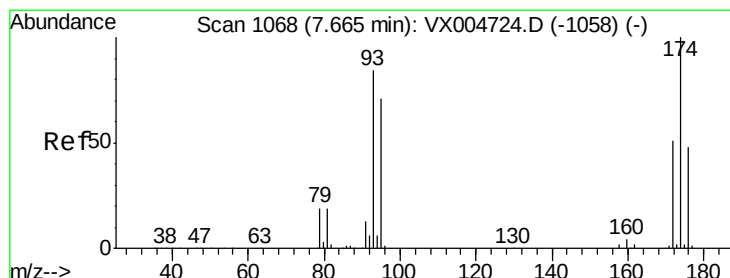
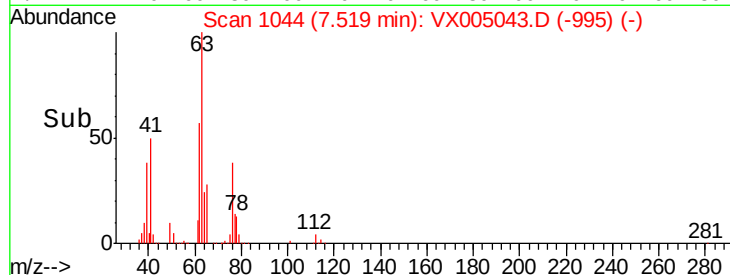
40000

20000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 53.873 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

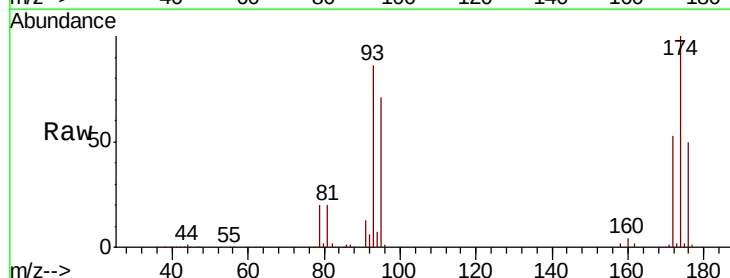
Tgt Ion: 93 Resp: 94949

Ion Ratio Lower Upper

93 100

95 82.5 66.7 100.1

174 114.7 92.7 139.1



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

7.66

60000

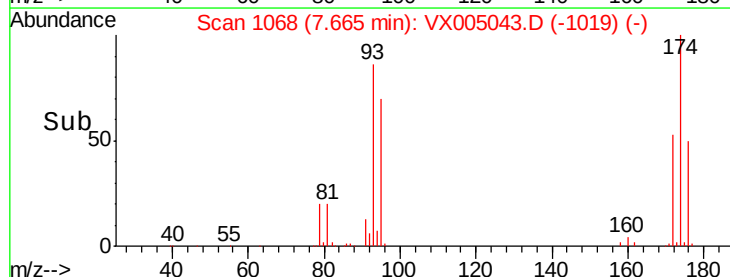
40000

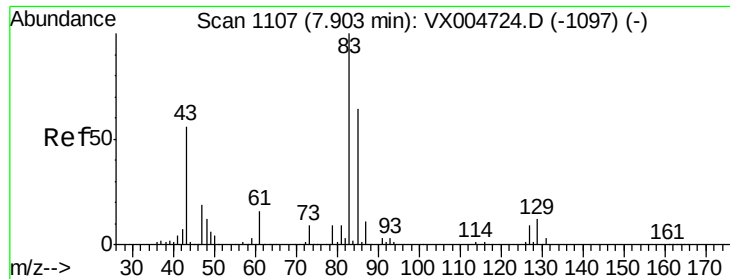
20000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 55.001 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

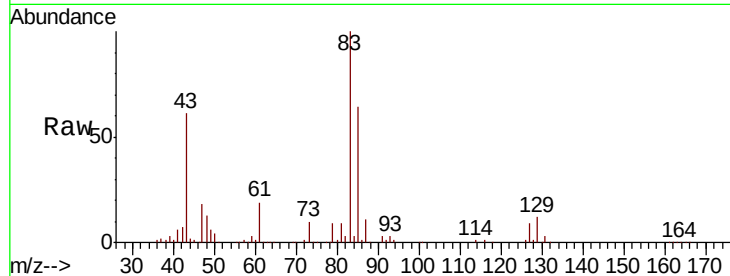
ClientSampleId :

VSTDCCC050

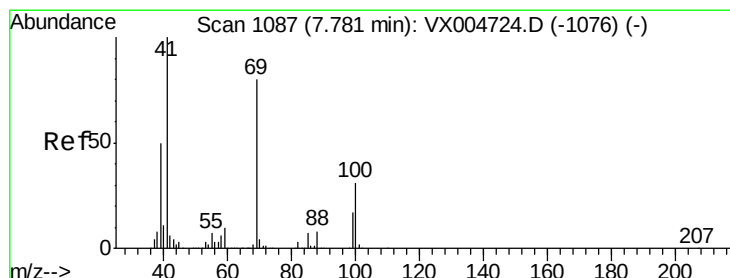
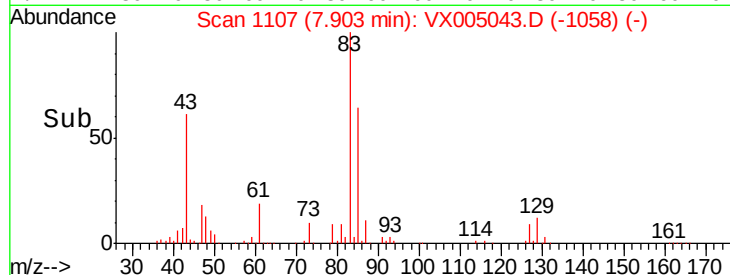
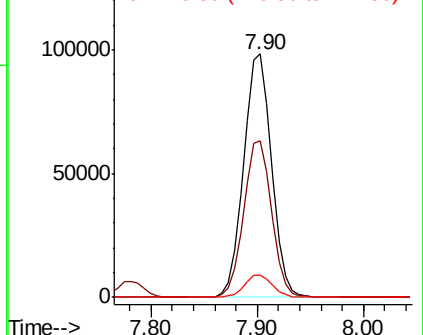
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 181491 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 64.1  | 51.2  | 76.8   |
| 127       | 9.0   | 7.0   | 10.6   |

Manual Integrations  
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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: 60.261 ug/l

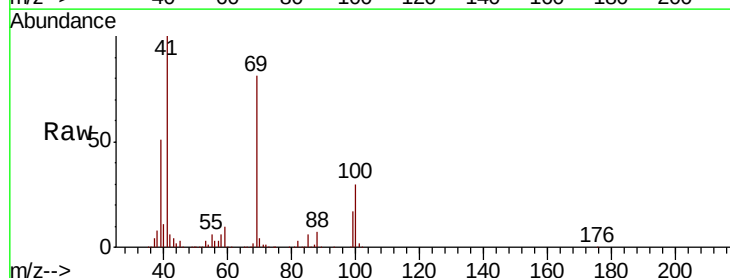
RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

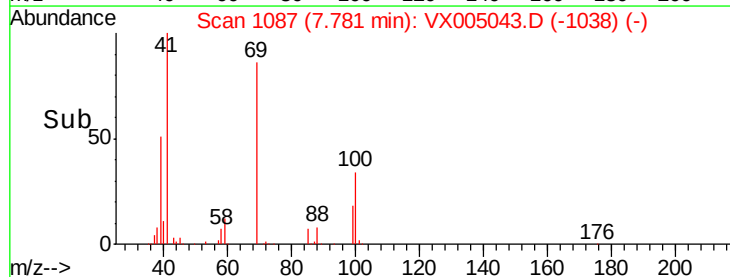
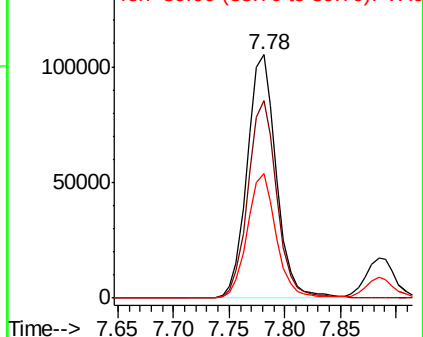
Lab File: VX005043.D

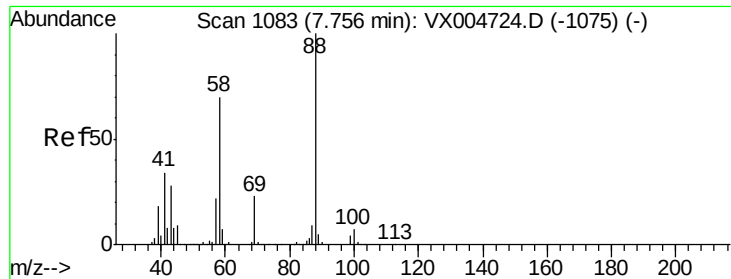
Acq: 05 Oct 2018 02:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 191418 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 81.1  | 63.8  | 95.6   |
| 39        | 50.3  | 40.7  | 61.1   |



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





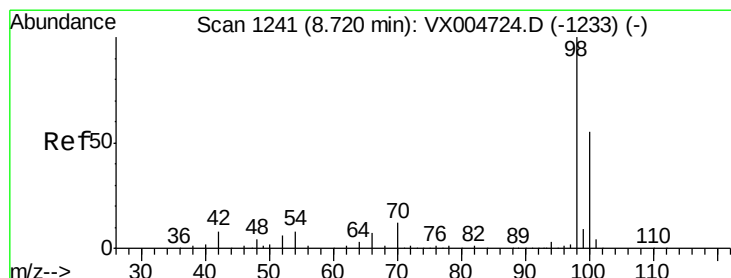
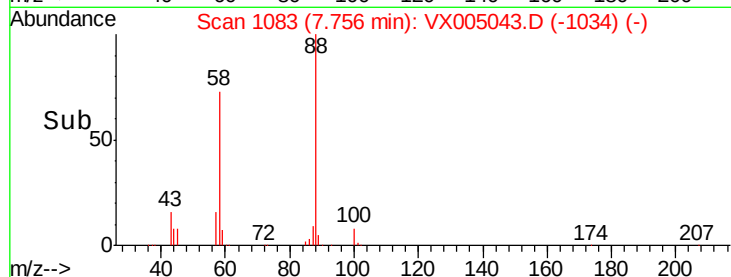
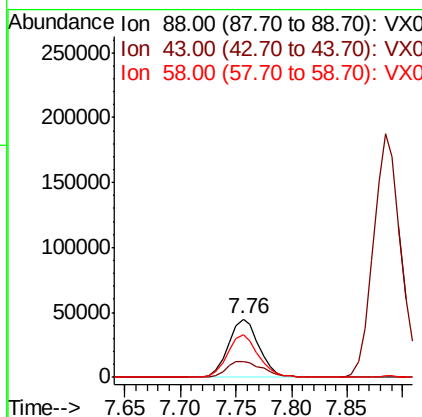
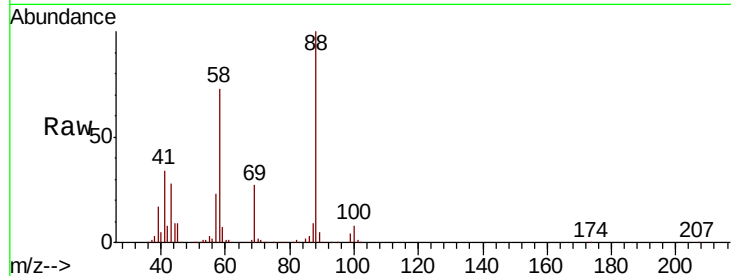
#49  
1,4-Dioxane  
Concen: 1074.420 ug/l  
RT: 7.76 min Scan# 1083  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | 88    | Resp  | 84789 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 32.8  | 25.1  | 37.7  |
| 58      | 74.4  | 56.2  | 84.2  |

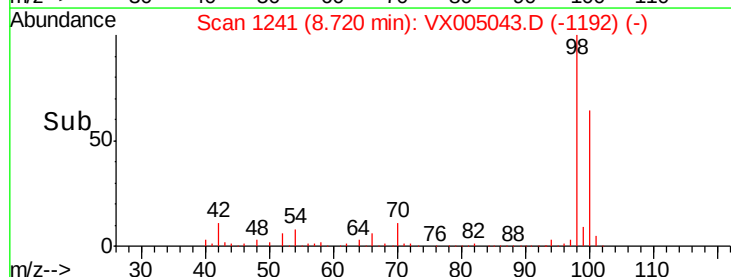
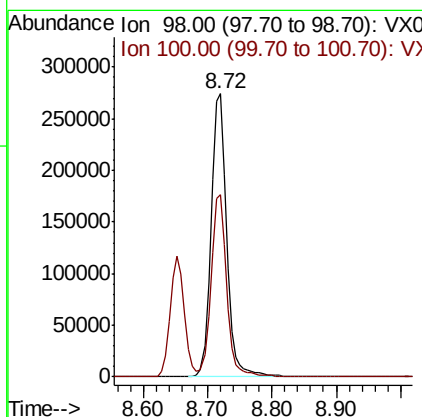
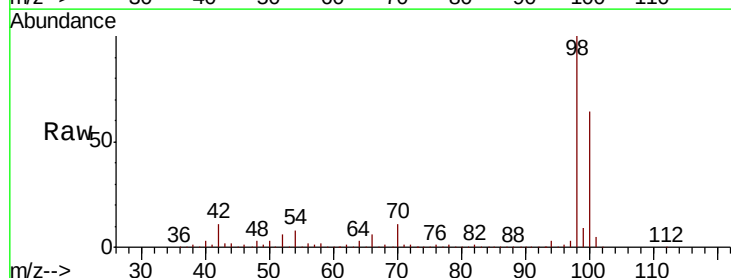
Manual Integrations  
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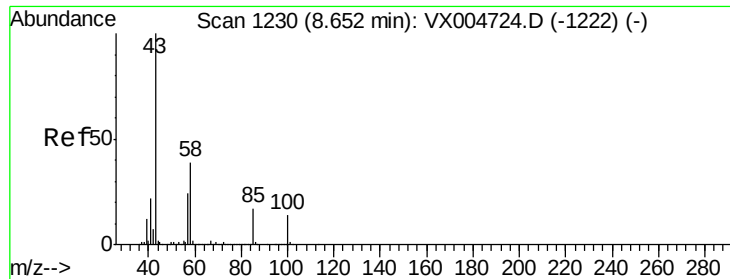
MMDadoda  
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#50  
Toluene-d8  
Concen: 52.478 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | 98    | Resp  | 467082 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 64.6  | 51.9  | 77.9   |





#51

4-Methyl-2-Pentanone

Concen: 299.750 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1320853

Ion Ratio Lower Upper

43 100

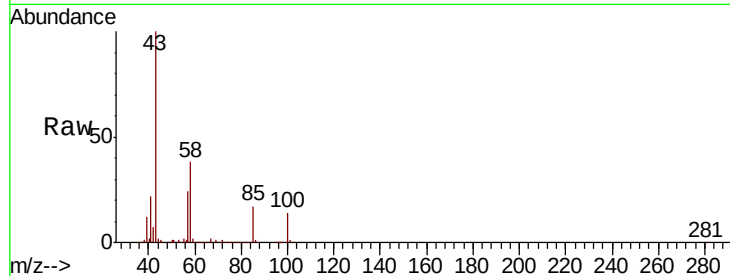
58 38.7 30.5 45.7

Manual Integrations

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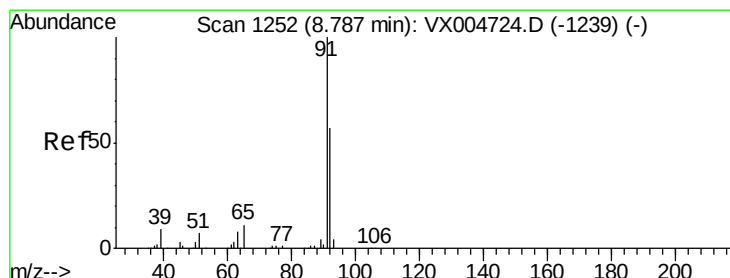
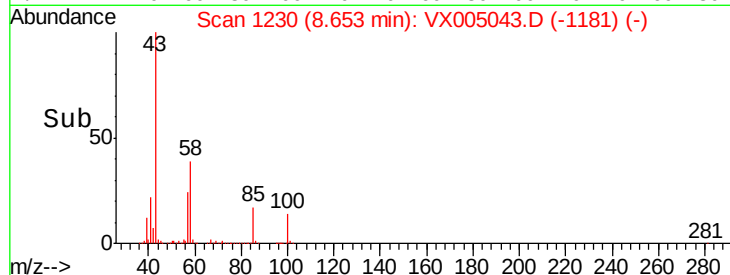
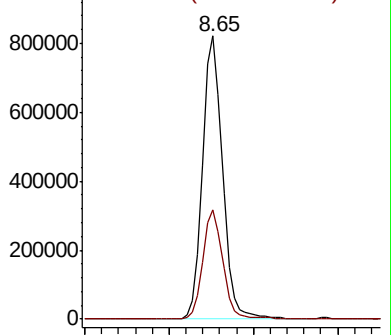
MMDadoda

10/5/2018 3:24:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.798 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005043.D

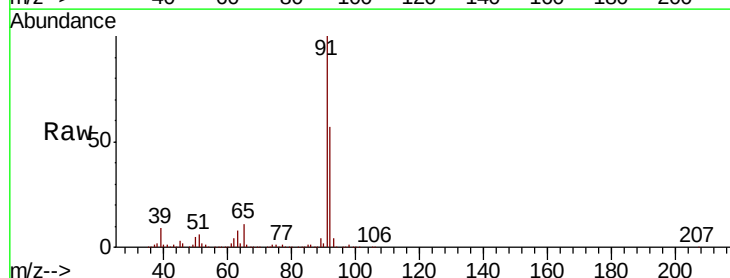
Acq: 05 Oct 2018 02:43

Tgt Ion: 92 Resp: 338054

Ion Ratio Lower Upper

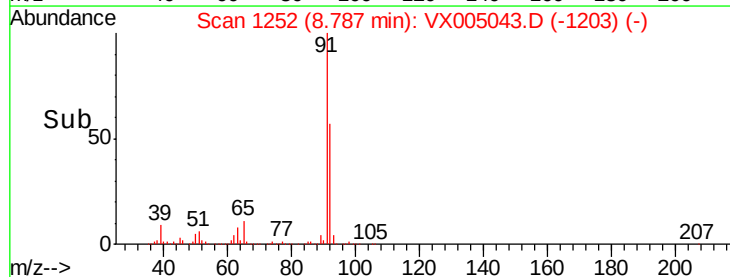
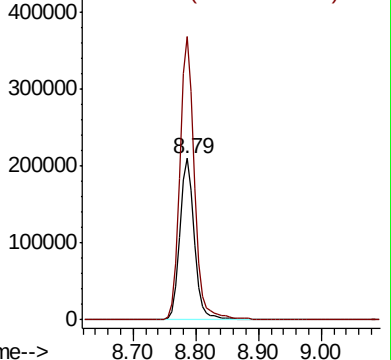
92 100

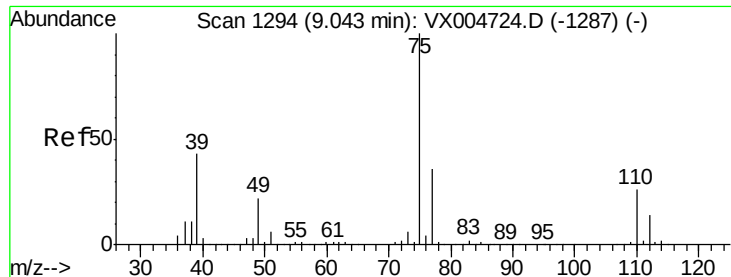
91 174.8 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





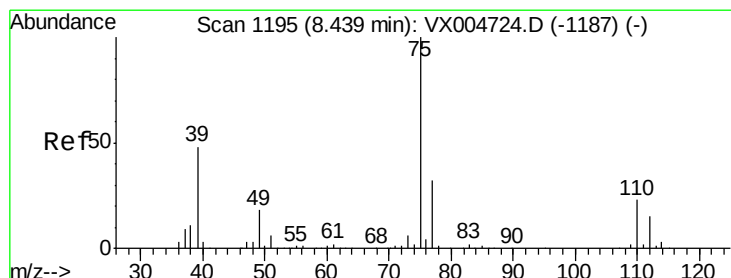
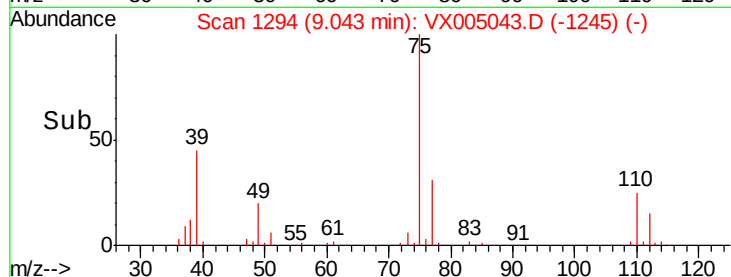
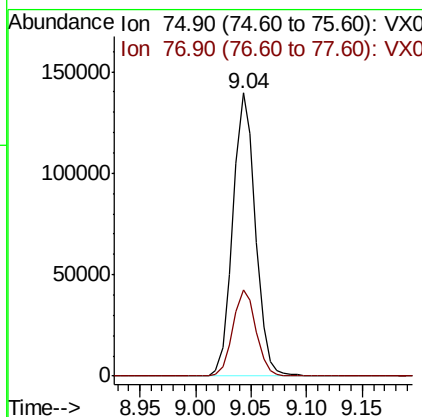
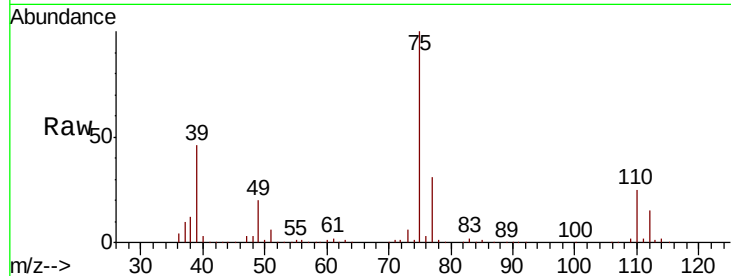
#53  
t-1,3-Dichloropropene  
Concen: 52.577 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.7  | 28.9  | 43.3  |

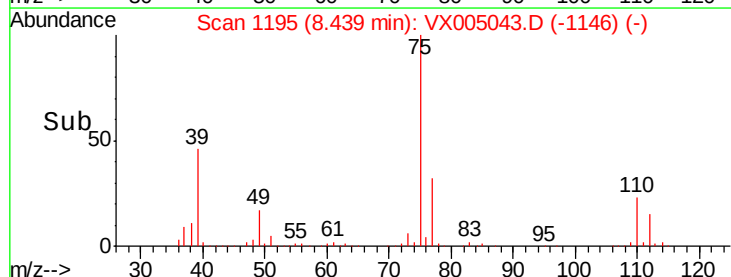
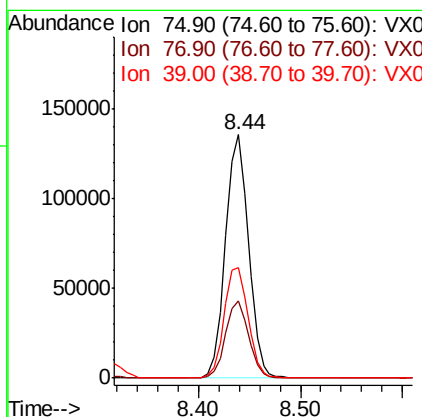
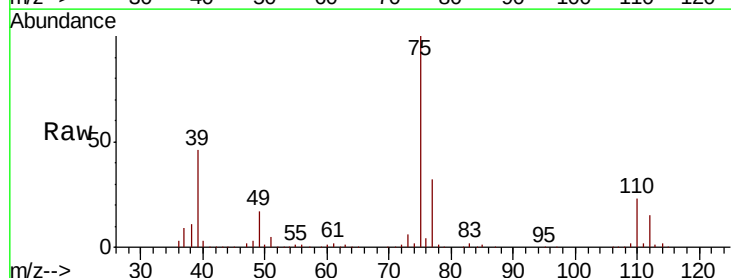
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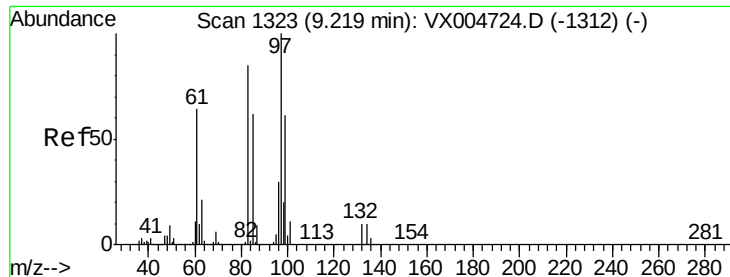


#54  
cis-1,3-Dichloropropene  
Concen: 54.540 ug/l  
RT: 8.44 min Scan# 1195  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.7  | 25.7  | 38.5  |
| 39      | 45.5  | 38.3  | 57.5  |







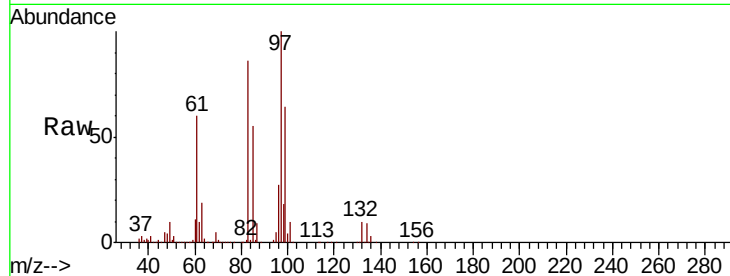
#55  
 1,1,2-Trichloroethane  
 Concen: 52.375 ug/l  
 RT: 9.22 min Scan# 1323  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

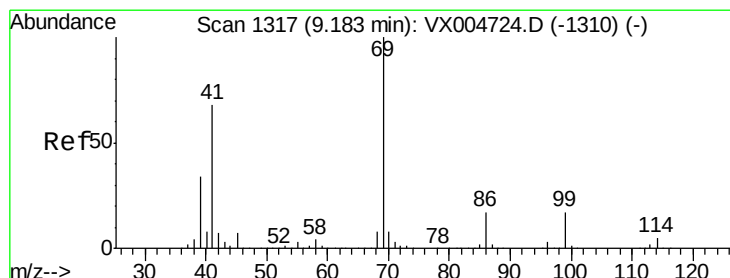
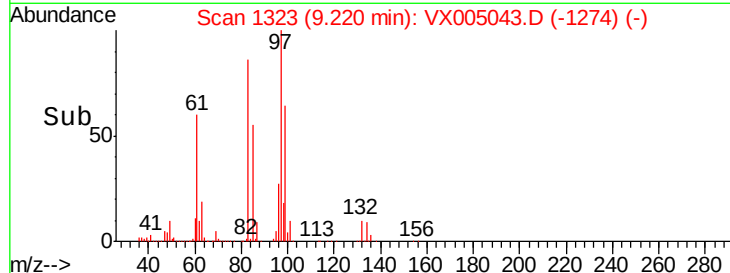
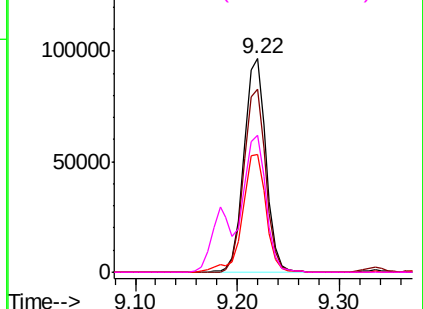
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 144163 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.6  | 68.2  | 102.2  |
| 85       | 54.9  | 49.9  | 74.9   |
| 99       | 64.1  | 48.9  | 73.3   |

Manual Integrations  
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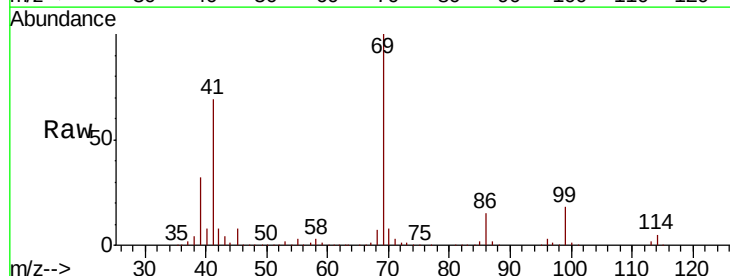


Abundance Ion 96.90 (96.60 to 97.60): VX0  
 Ion 82.90 (82.60 to 83.60): VX0  
 Ion 84.90 (84.60 to 85.60): VX0  
 Ion 98.90 (98.60 to 99.60): VX0

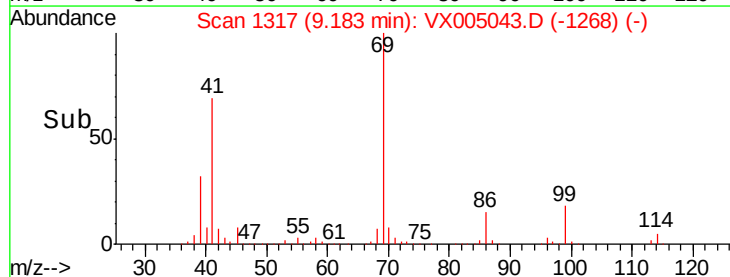
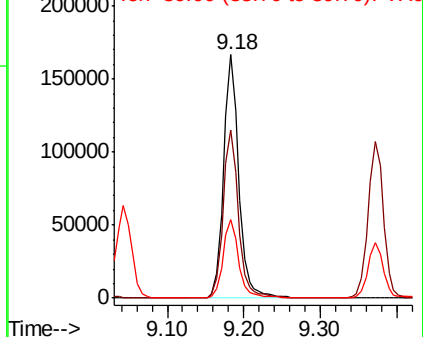


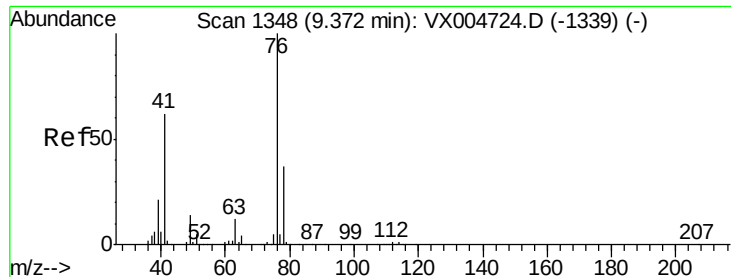
#56  
 Ethyl methacrylate  
 Concen: 51.364 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 229792 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.3  | 56.9  | 85.3   |
| 39       | 33.0  | 28.4  | 42.6   |



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





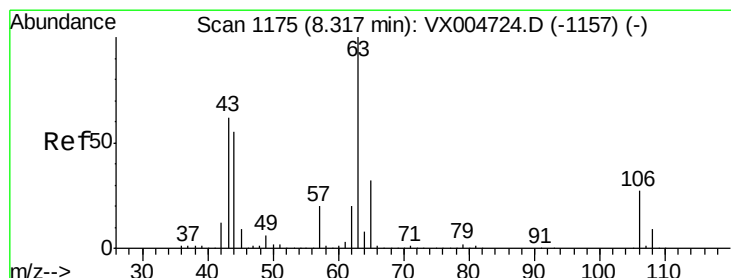
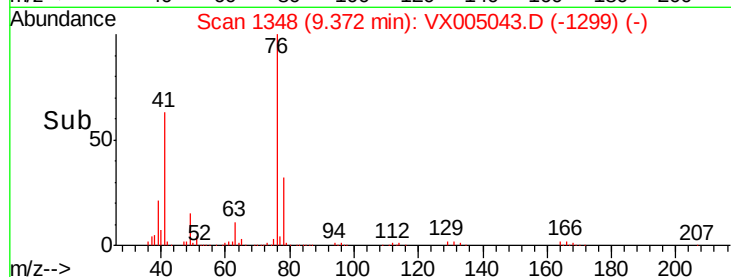
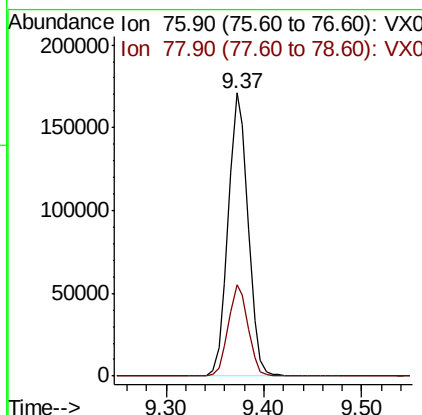
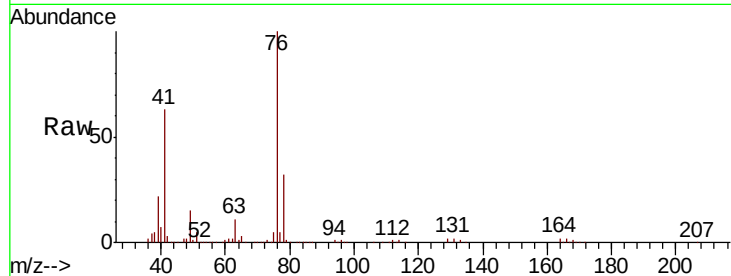
#57  
 1,3-Dichloropropane  
 Concen: 52.872 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.1  | 26.6  | 40.0  |

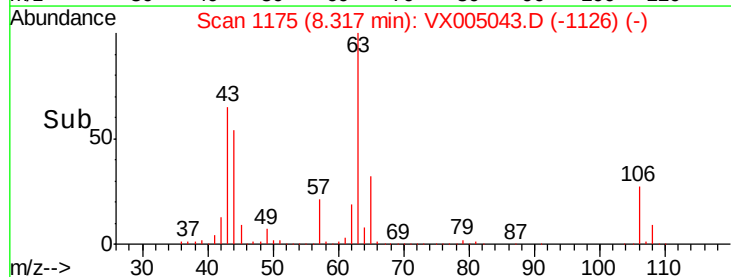
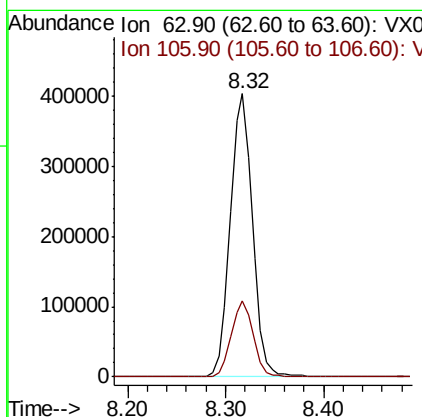
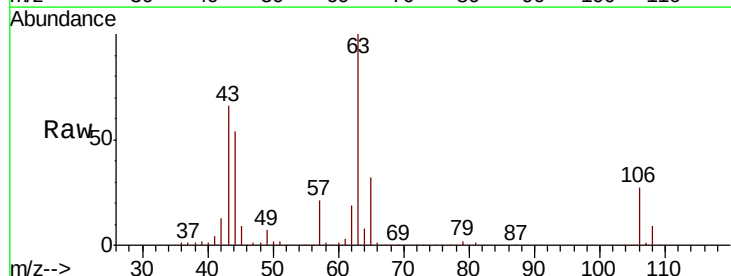
Manual Integrations  
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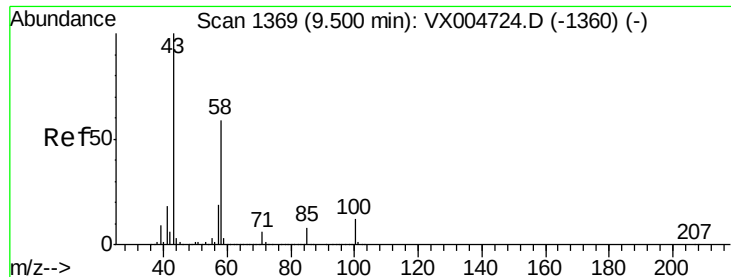
MMDadoda  
 10/5/2018 3:24:54 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 266.000 ug/l  
 RT: 8.32 min Scan# 1175  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.5  | 21.0  | 31.6  |





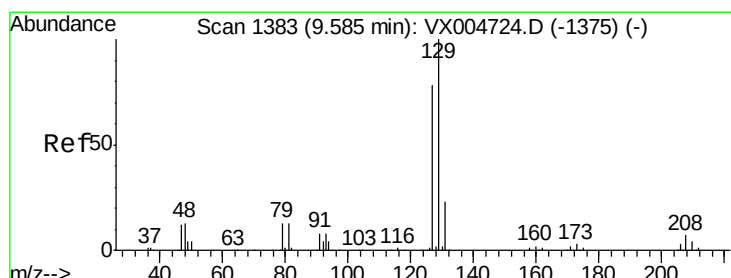
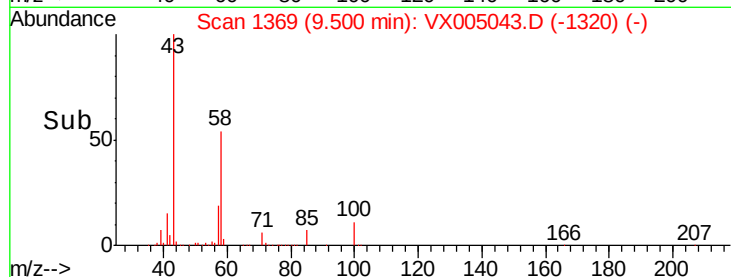
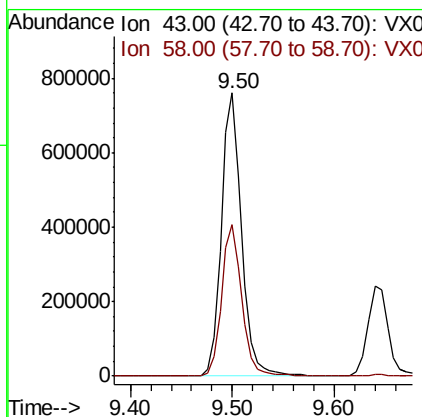
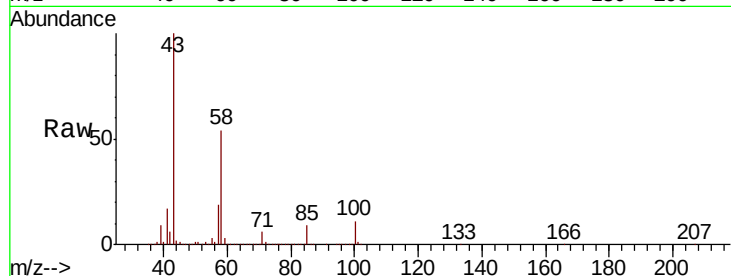
#59  
2-Hexanone  
Concen: 284.947 ug/l  
RT: 9.50 min Scan# 1369  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 1046337  
Ion Ratio Lower Upper  
43 100  
58 53.5 28.4 85.3

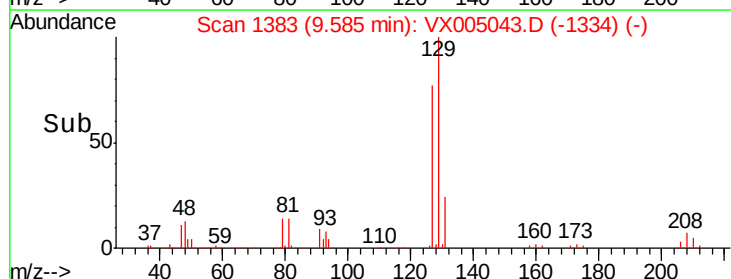
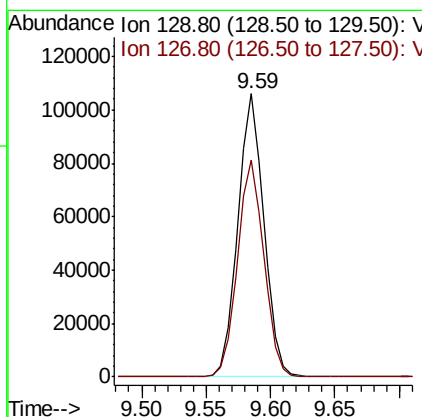
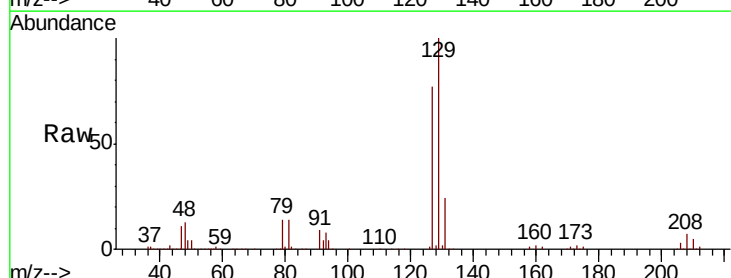
Manual Integrations  
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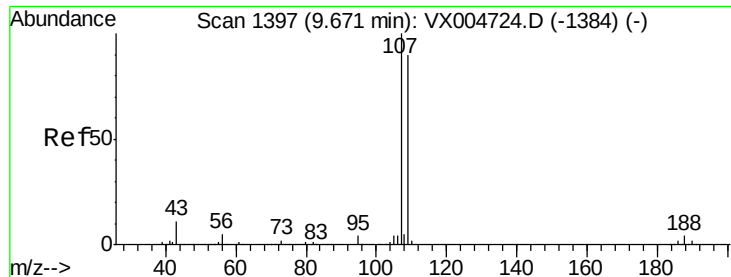
MMDadoda  
10/5/2018 3:24:54 PM



#60  
Dibromochloromethane  
Concen: 54.020 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Tgt Ion:129 Resp: 148702  
Ion Ratio Lower Upper  
129 100  
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 50.966 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 150238

Ion Ratio Lower Upper

107 100

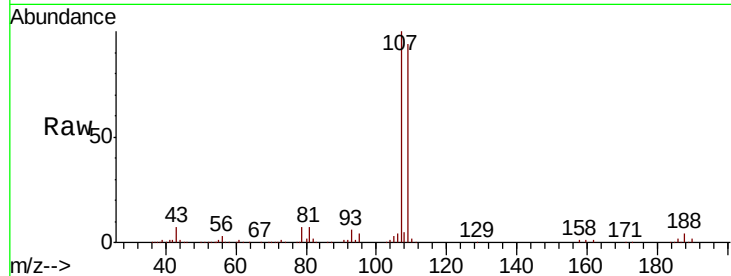
109 95.0 72.1 108.1

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

60000

40000

20000

0

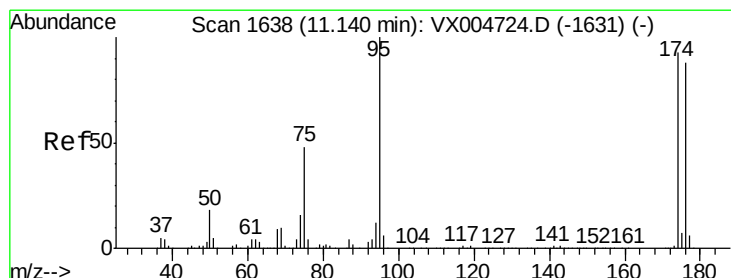
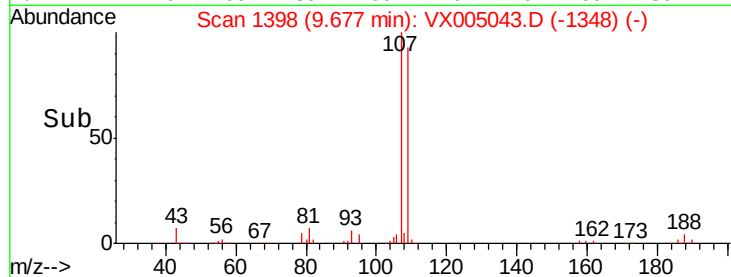
9.50

9.60

9.70

9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 54.725 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

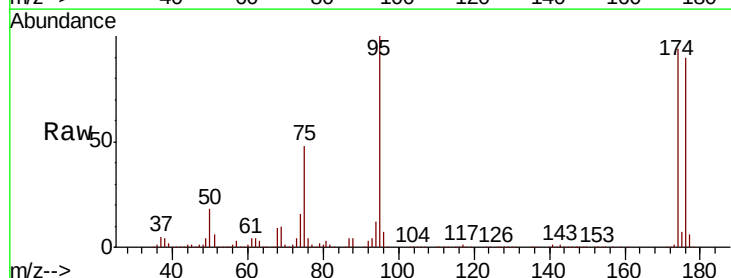
Tgt Ion: 95 Resp: 175475

Ion Ratio Lower Upper

95 100

174 90.8 0.0 185.0

176 88.4 0.0 180.2



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

150000

100000

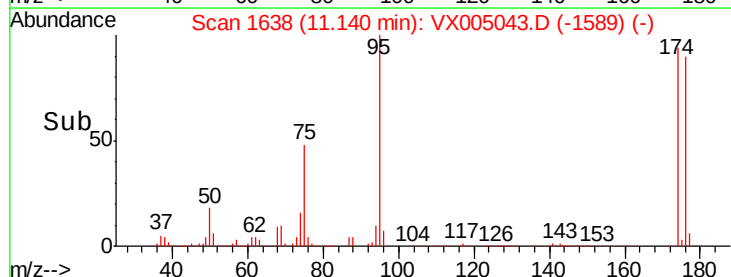
50000

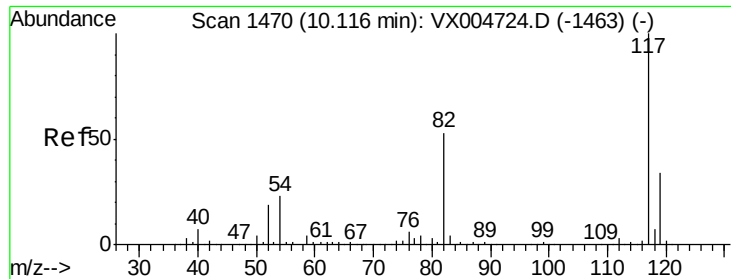
0

11.10

11.20

Time-->





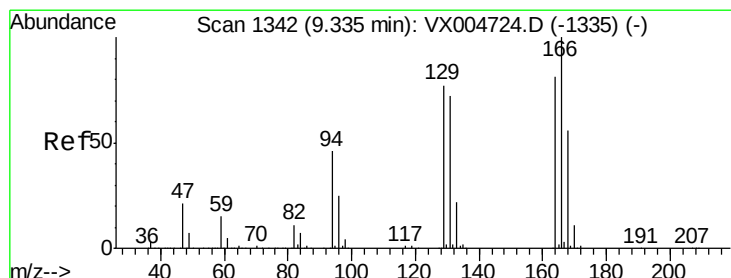
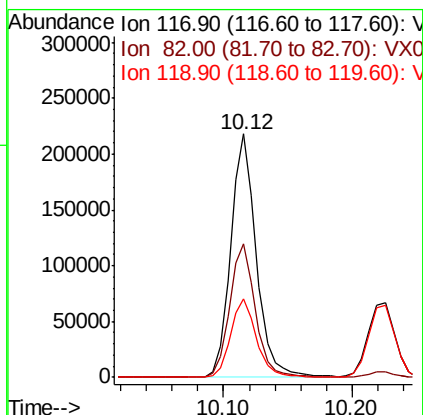
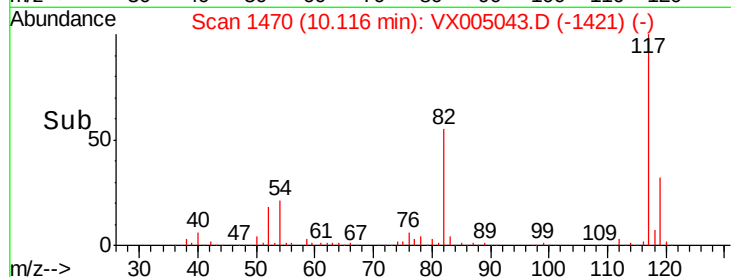
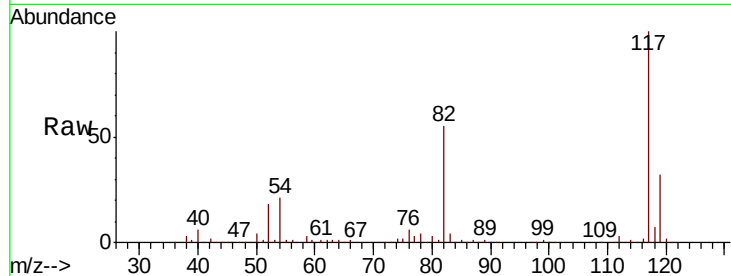
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.9  | 42.2  | 63.4  |
| 119     | 32.3  | 27.4  | 41.0  |

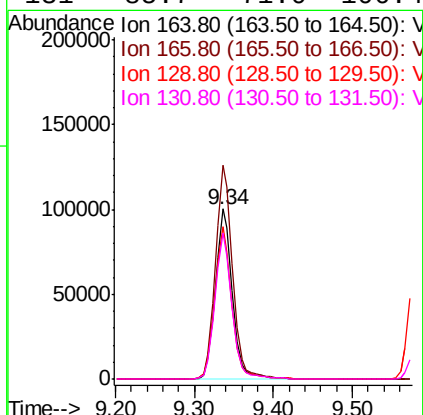
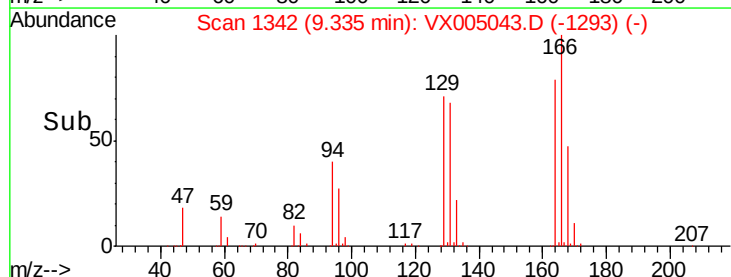
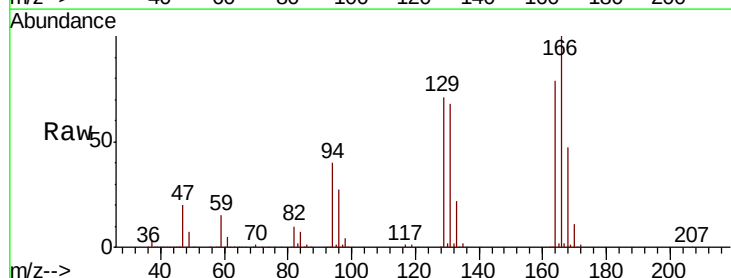
Manual Integrations  
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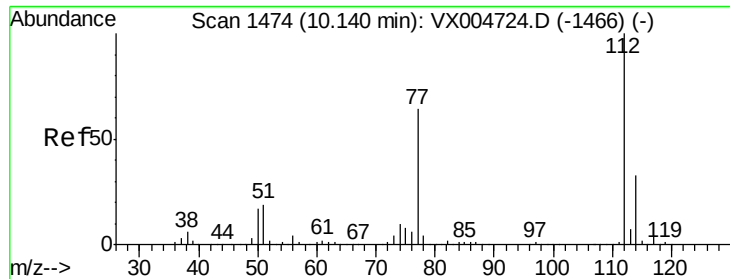
MMDadoda  
10/5/2018 3:24:54 PM



#64  
Tetrachloroethene  
Concen: 50.653 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 125.8 | 98.4  | 147.6 |
| 129     | 89.8  | 76.1  | 114.1 |
| 131     | 85.7  | 71.0  | 106.4 |





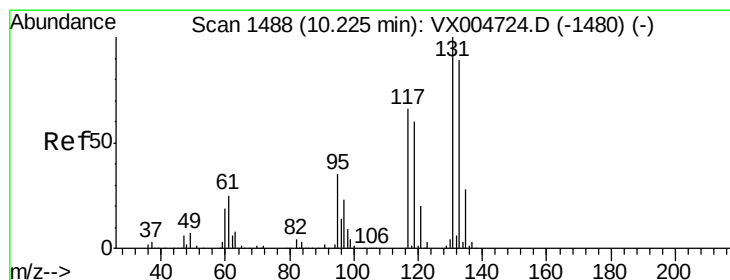
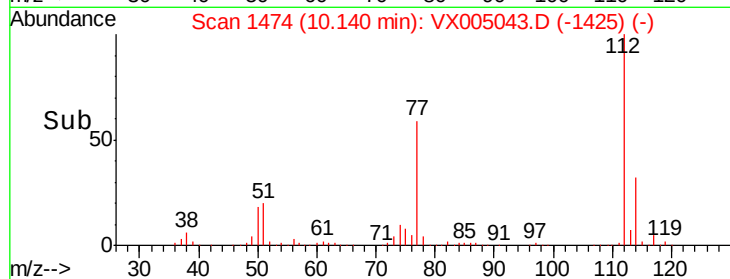
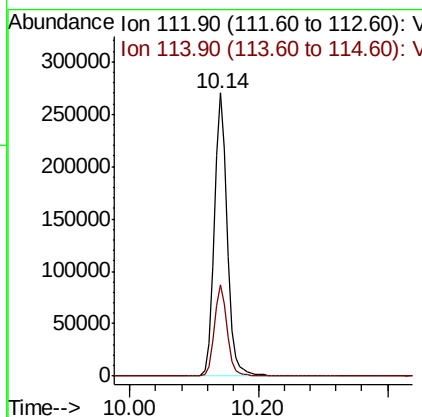
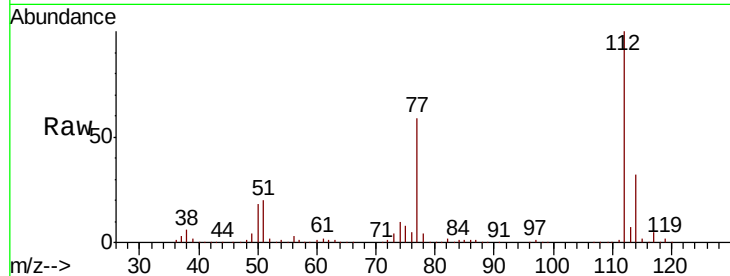
#65  
Chlorobenzene  
Concen: 49.470 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 383075  
Ion Ratio Lower Upper  
112 100  
114 32.4 26.7 40.1

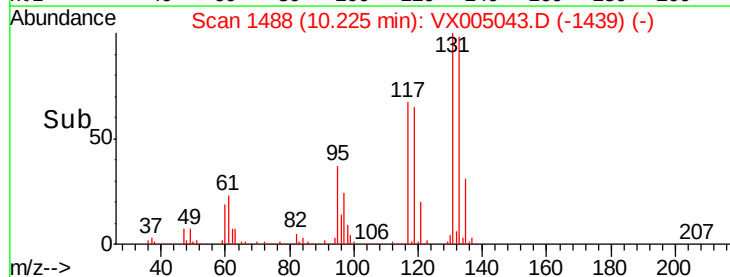
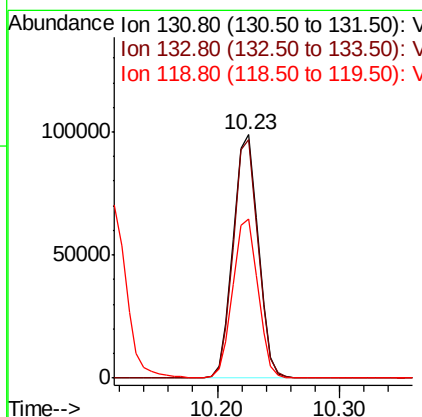
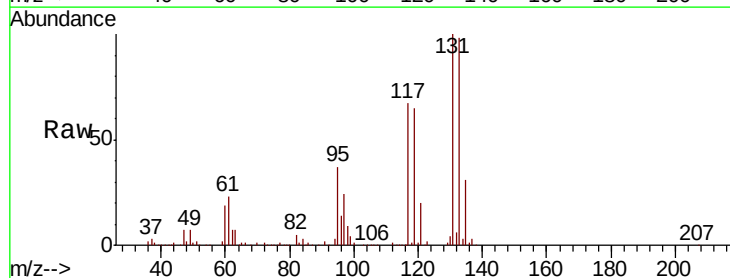
Manual Integrations  
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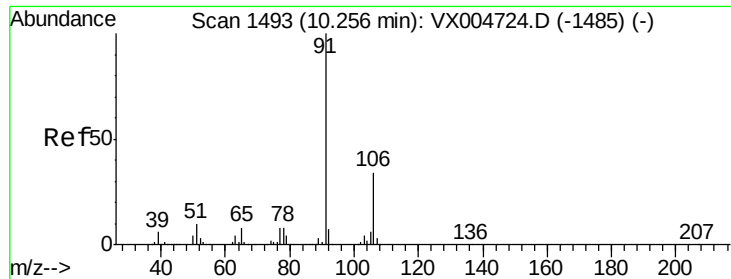
MMDadoda  
10/5/2018 3:24:54 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.466 ug/l  
RT: 10.23 min Scan# 1488  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Tgt Ion:131 Resp: 140109  
Ion Ratio Lower Upper  
131 100  
133 96.7 48.4 145.0  
119 65.6 32.3 96.8





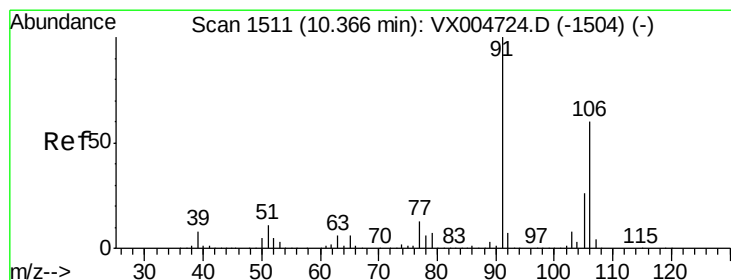
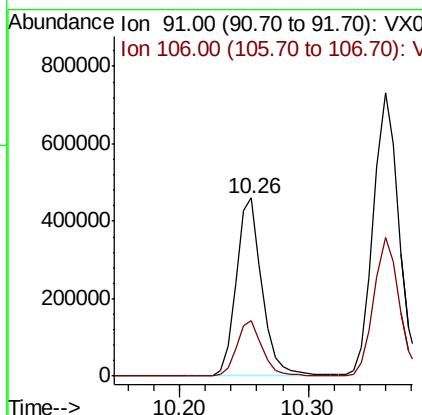
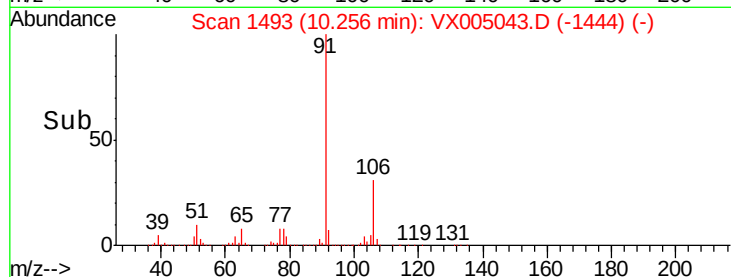
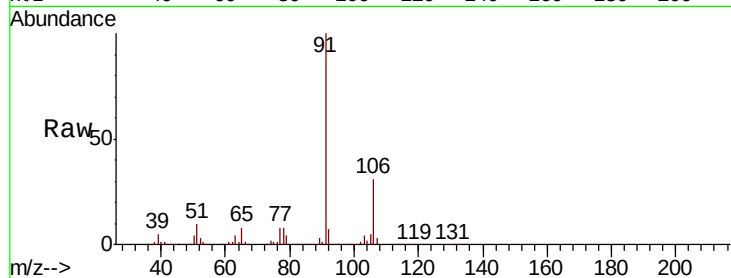
#67  
Ethyl Benzene  
Concen: 52.265 ug/l  
RT: 10.26 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tot Ion: 91 Resp: 642544  
Ion Ratio Lower Upper  
91 100  
106 31.4 26.9 40.3

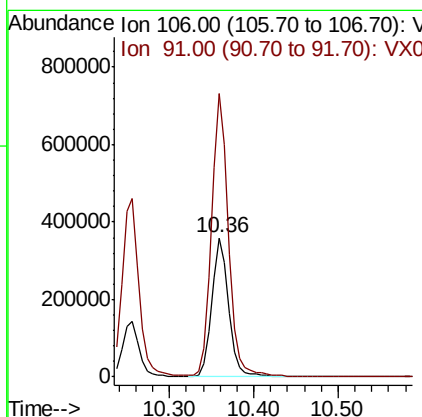
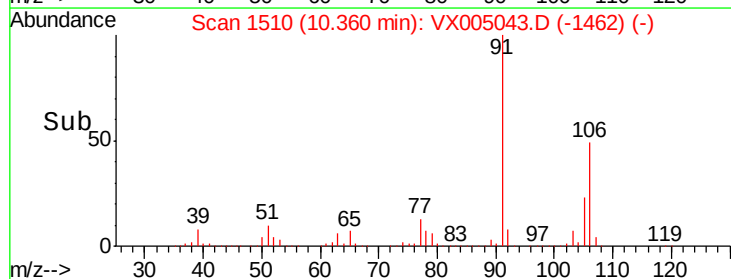
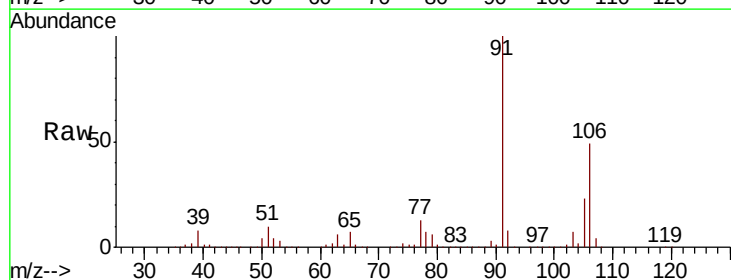
Manual Integrations  
APPROVED

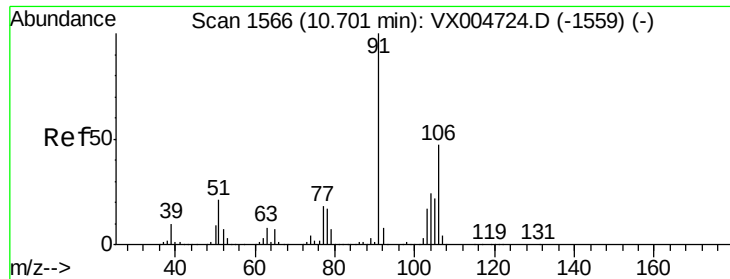
MMDadoda  
10/5/2018 3:24:54 PM



#68  
m/p-Xylenes  
Concen: 104.294 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.01 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Tgt Ion: 106 Resp: 501042  
Ion Ratio Lower Upper  
106 100  
91 204.8 157.5 236.3





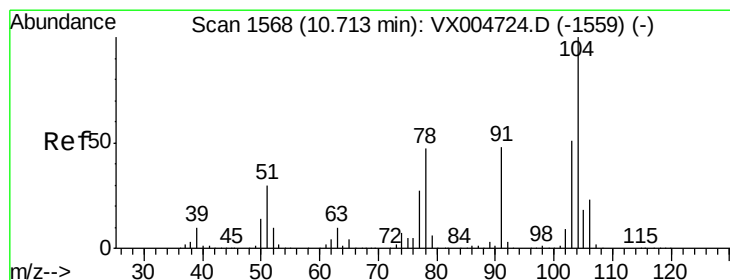
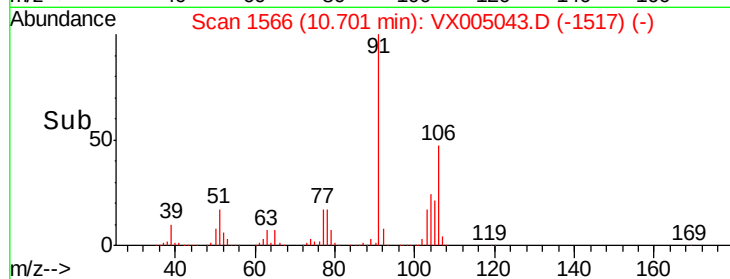
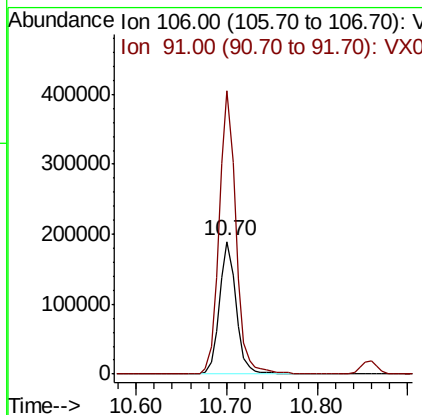
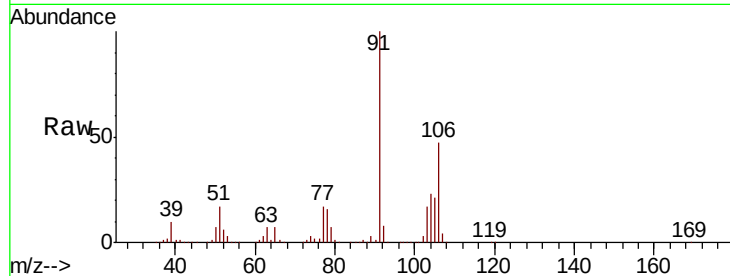
#69  
o-Xylene  
Concen: 55.439 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 214.5 | 108.3 | 324.8 |

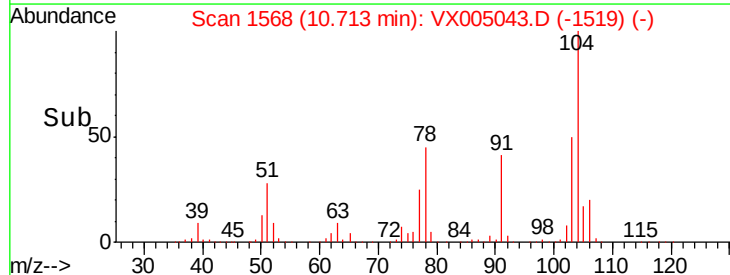
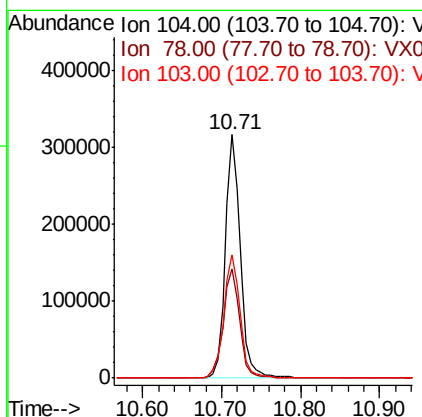
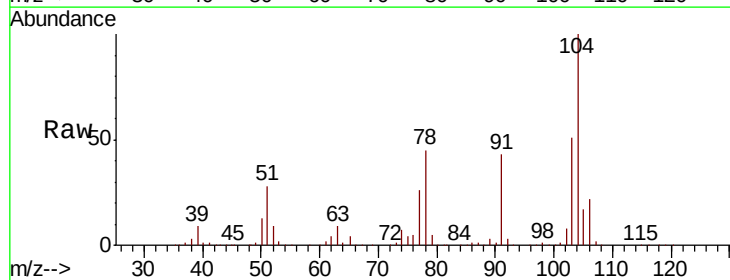
Manual Integrations  
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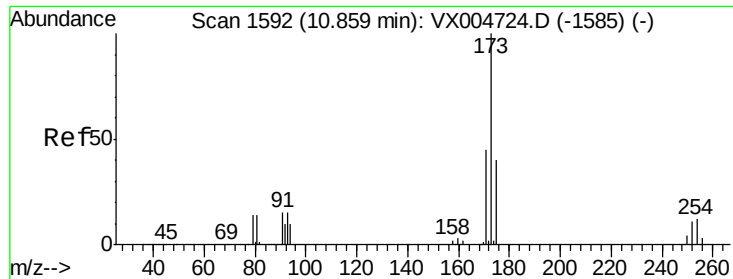


#70  
Styrene  
Concen: 50.561 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.8  | 40.0  | 60.0  |
| 103     | 55.3  | 44.3  | 66.5  |







#71

Bromoform

Concen: 53.308 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

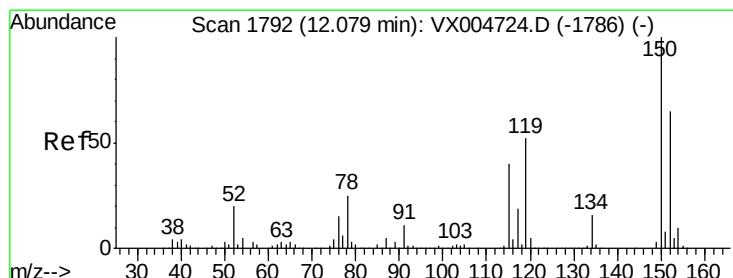
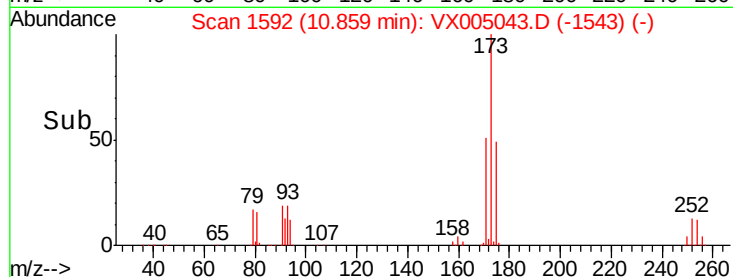
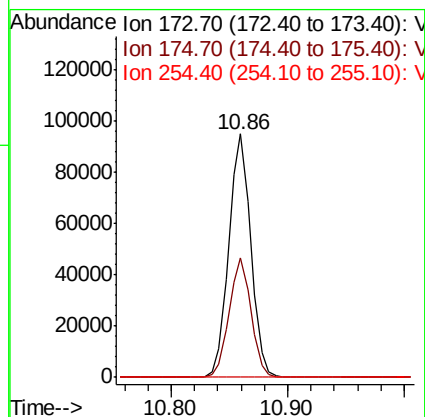
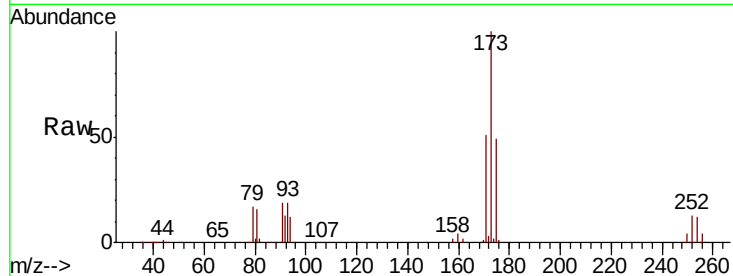
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 124242 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.9  | 23.3  | 69.8   |
| 254       | 0.2   | 0.2   | 0.2    |

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10/5/2018 3:24:54 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

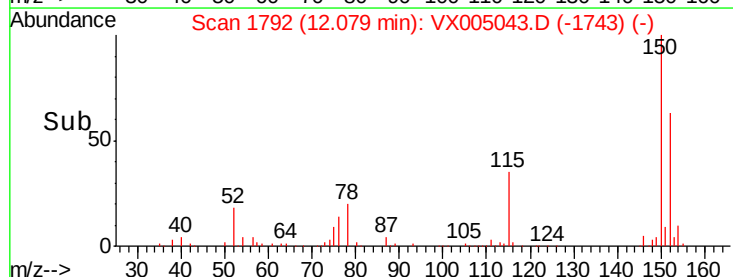
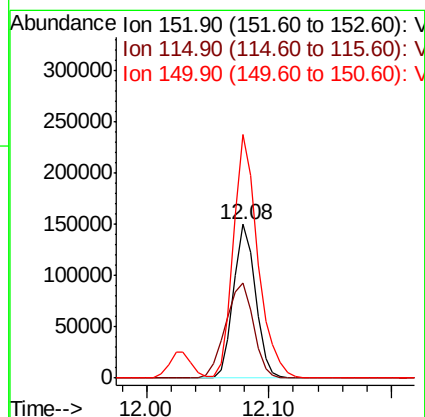
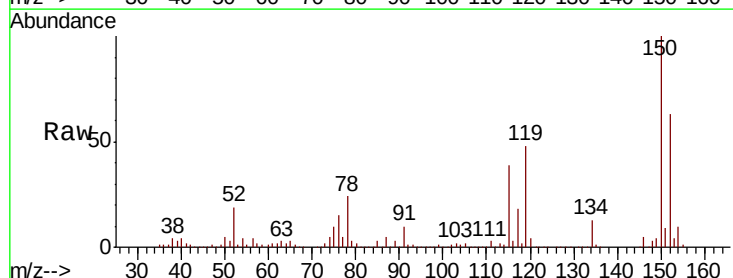
RT: 12.08 min Scan# 1792

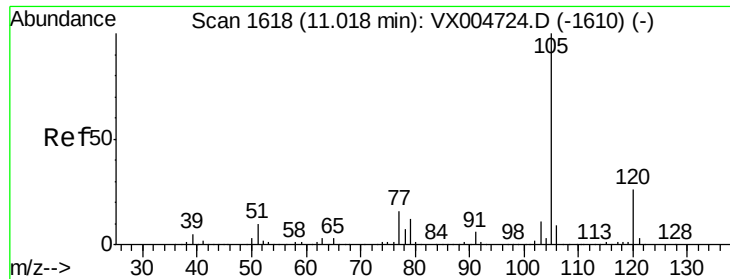
Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 185317 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 79.4  | 40.2  | 120.6  |
| 150       | 176.4 | 0.0   | 351.0  |





#73

Isopropylbenzene

Concen: 55.597 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 649415

Ion Ratio Lower Upper

105 100

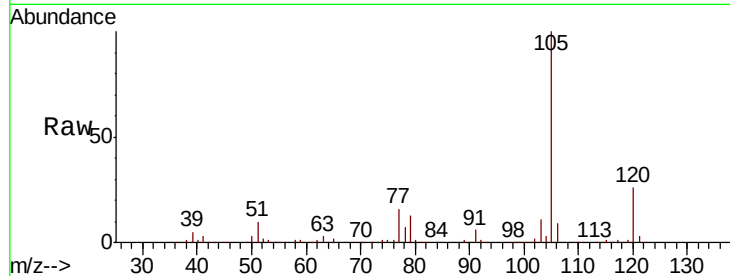
120 26.6 13.2 39.5

Manual Integrations

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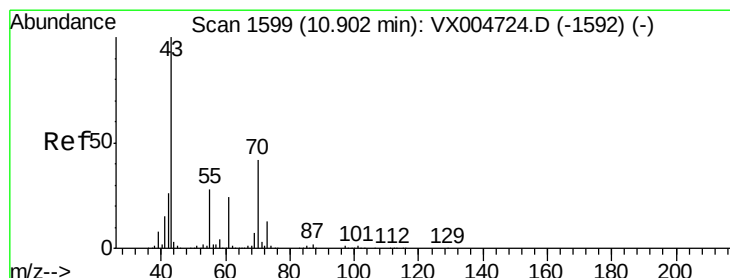
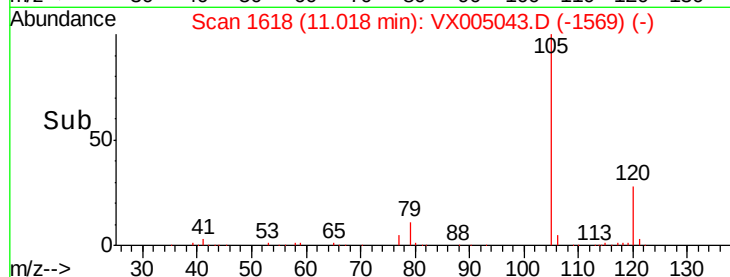
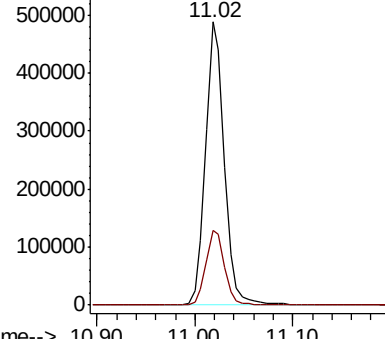
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.765 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Tgt Ion: 43 Resp: 326103

Ion Ratio Lower Upper

43 100

70 40.1 32.6 48.8

55 25.3 21.6 32.4

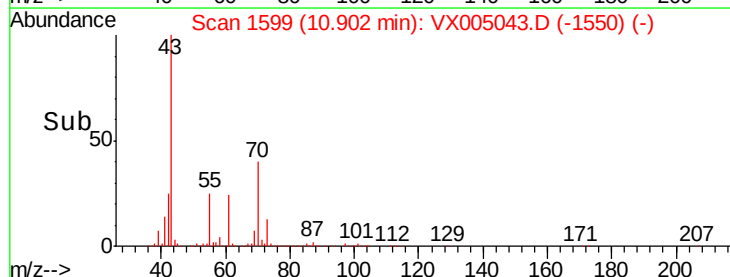
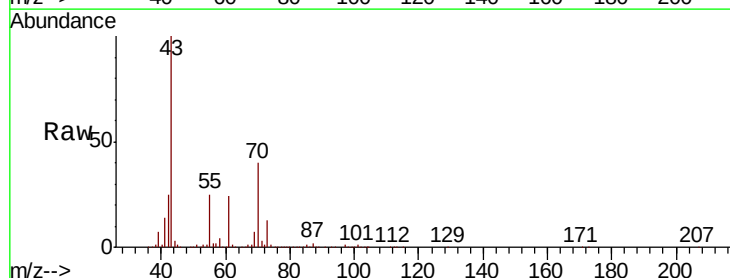
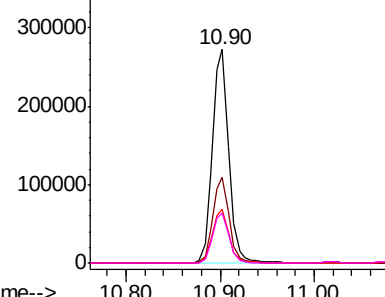
61 23.6 19.1 28.7

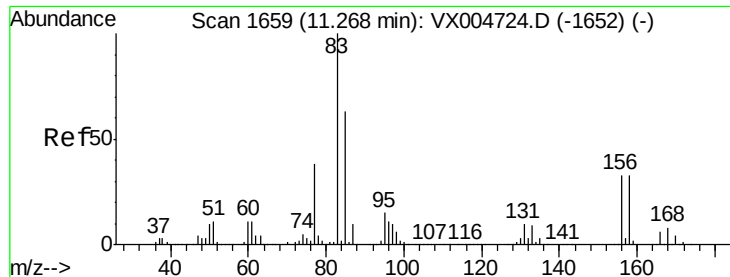
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 50.474 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

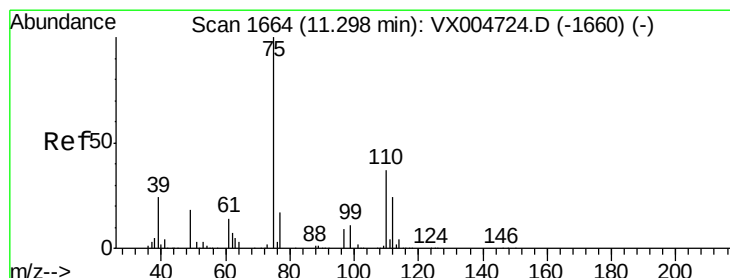
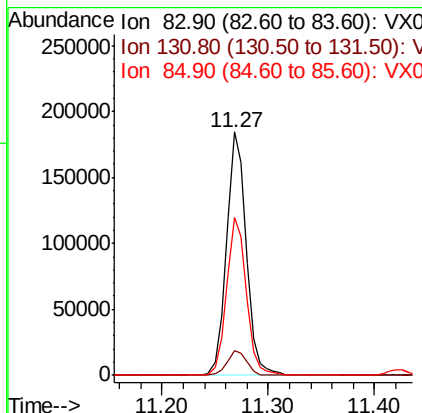
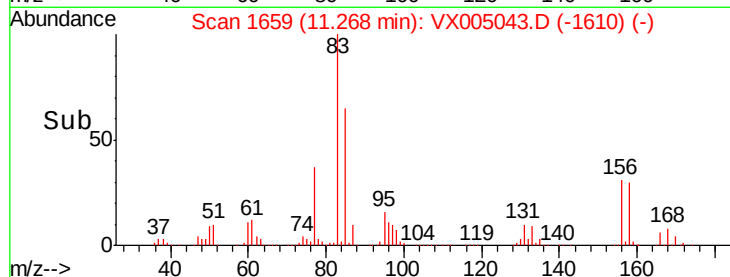
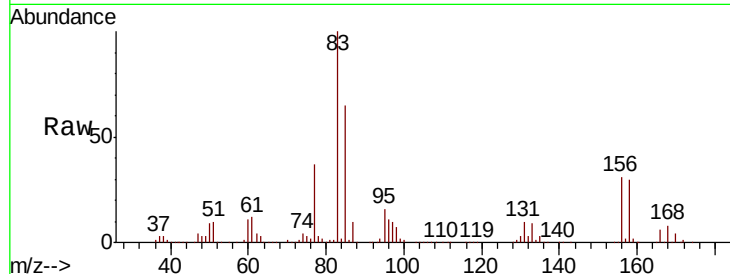
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 239995 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.4  | 5.1   | 15.3   |
| 85        | 65.1  | 31.9  | 95.9   |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 53.003 ug/l m

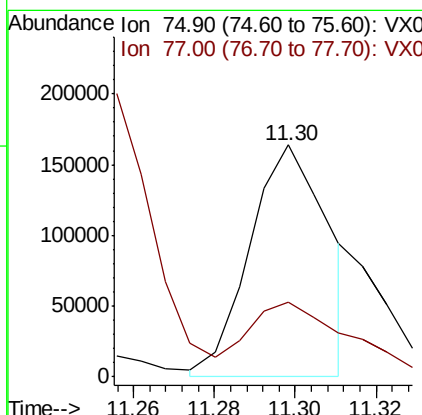
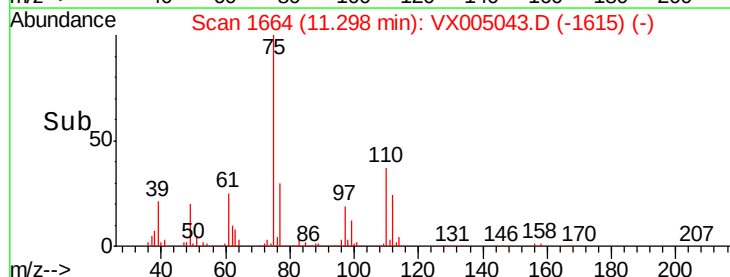
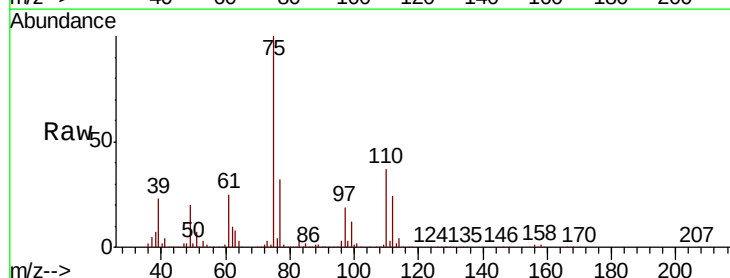
RT: 11.30 min Scan# 1664

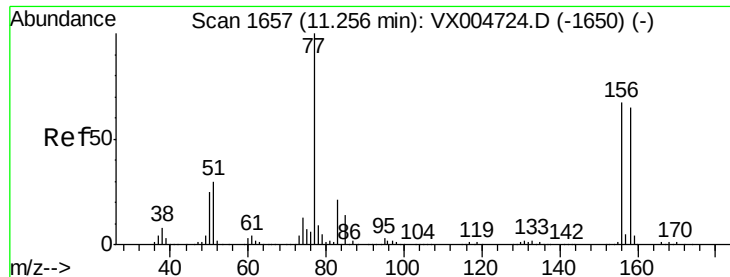
Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 220155 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 41.9  | 21.4  | 64.3   |





#77

Bromobenzene

Concen: 52.543 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

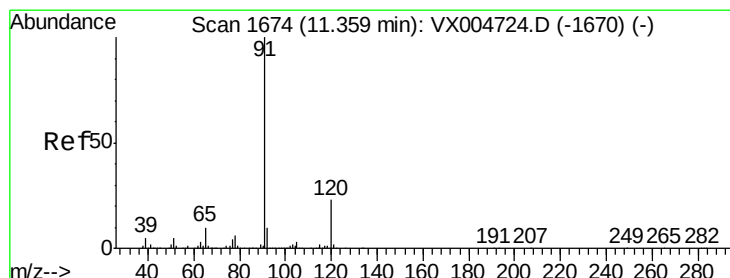
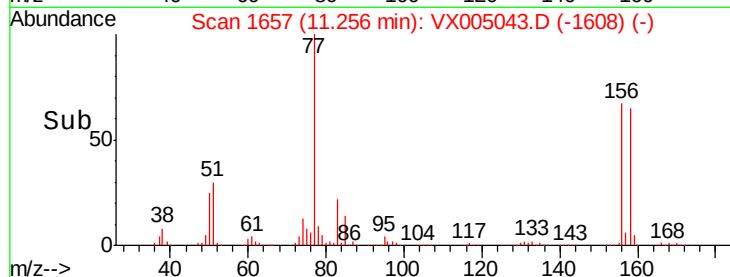
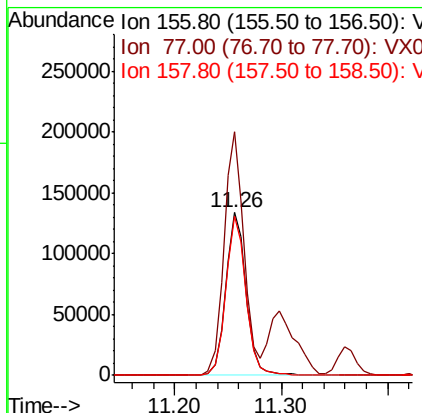
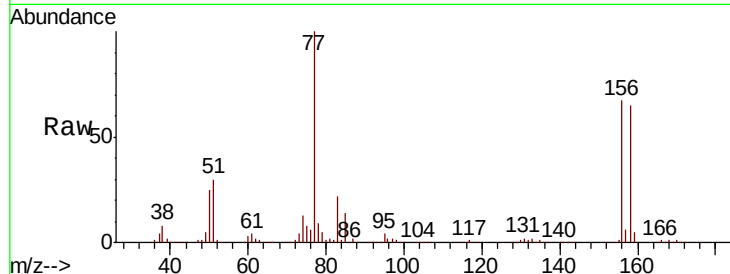
ClientSampled :

VSTDCCC050

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |
| 77      | 146.4 | 73.4  | 220.2 |       |
| 158     | 96.5  | 49.1  | 147.4 |       |

Manual Integrations  
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#78

n-propylbenzene

Concen: 55.108 ug/l

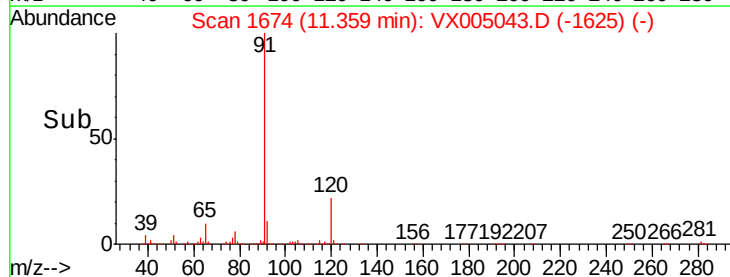
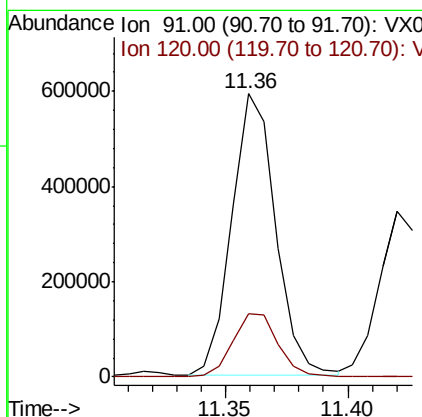
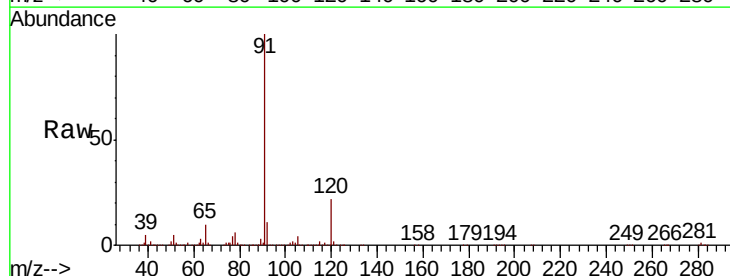
RT: 11.36 min Scan# 1674

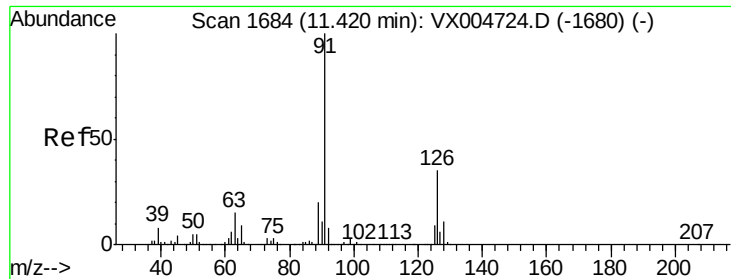
Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 91      | 100  |       |       |       |
| 120     | 23.7 | 12.0  | 36.0  |       |





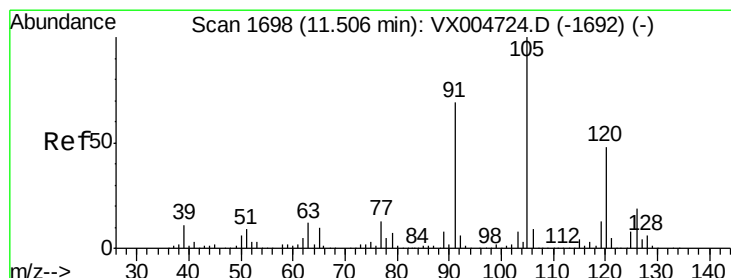
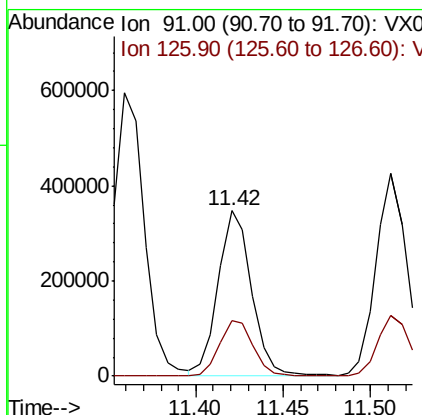
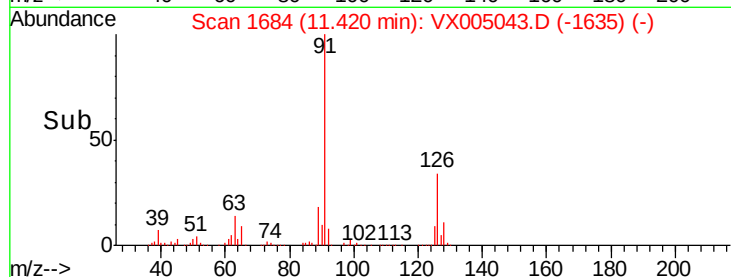
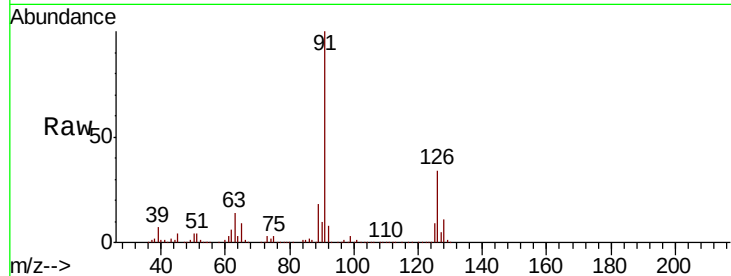
#79  
 2-Chlorotoluene  
 Concen: 54.471 ug/l  
 RT: 11.42 min Scan# 1684  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 91 Resp: 455049  
 Ion Ratio Lower Upper  
 91 100  
 126 35.0 17.6 52.9

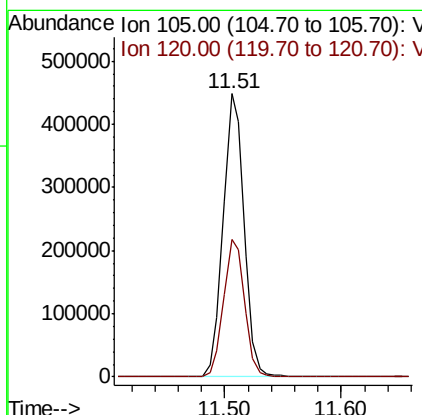
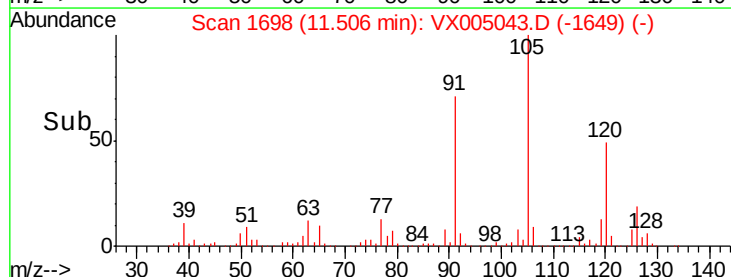
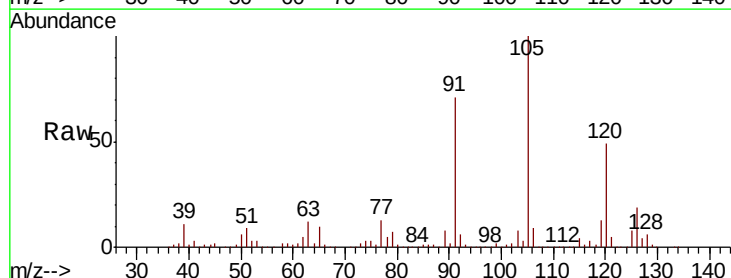
Manual Integrations  
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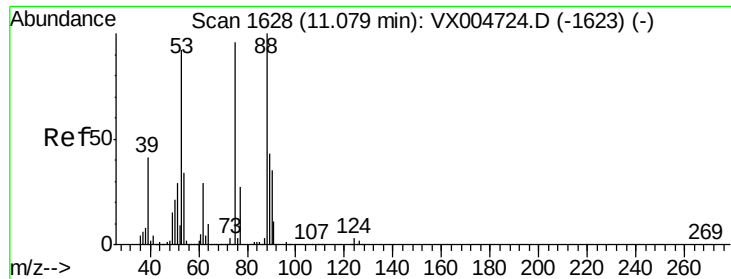
MMDadoda  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 51.799 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Tgt Ion: 105 Resp: 554482  
 Ion Ratio Lower Upper  
 105 100  
 120 49.0 24.3 72.8





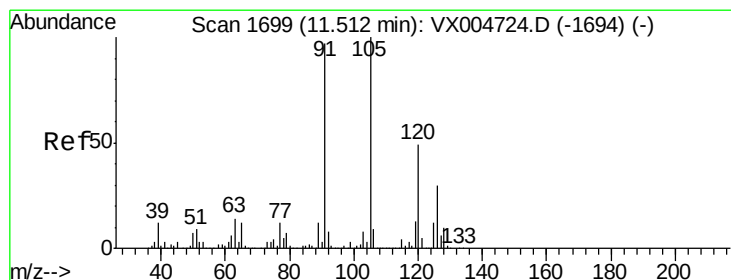
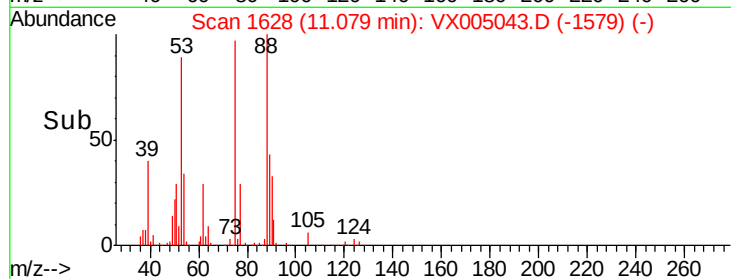
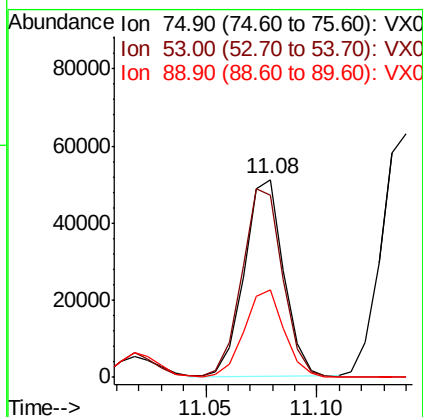
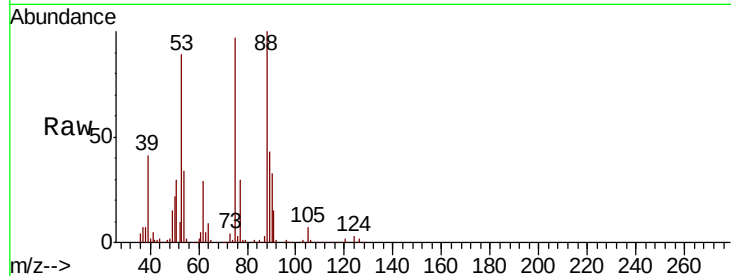
#81  
trans-1,4-Dichloro-2-butene  
Concen: 41.642 ug/l  
RT: 11.08 min Scan# 1628  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 99.1  | 80.2  | 120.4 |
| 89      | 45.2  | 37.1  | 55.7  |

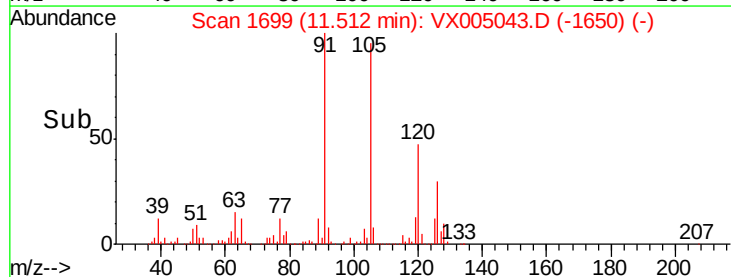
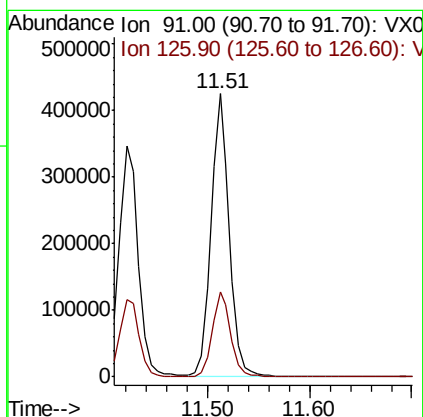
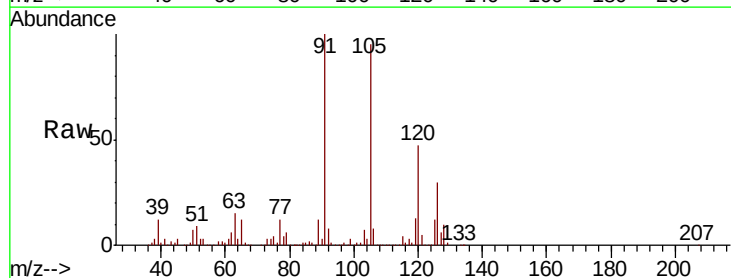
Manual Integrations  
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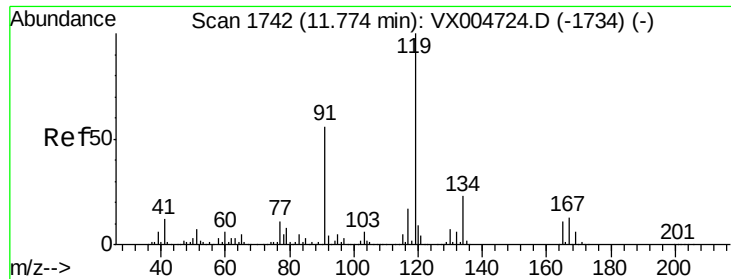
MMDadoda  
10/5/2018 3:24:54 PM



#82  
4-Chlorotoluene  
Concen: 54.222 ug/l  
RT: 11.51 min Scan# 1699  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.6  | 15.5  | 46.5  |





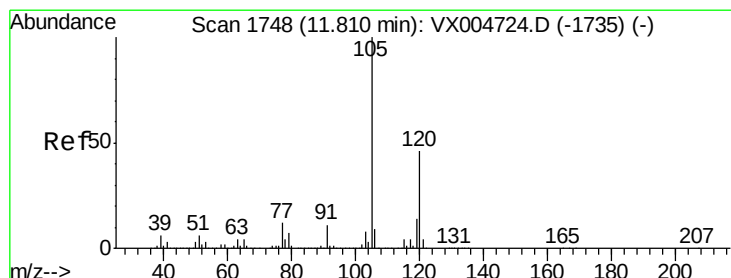
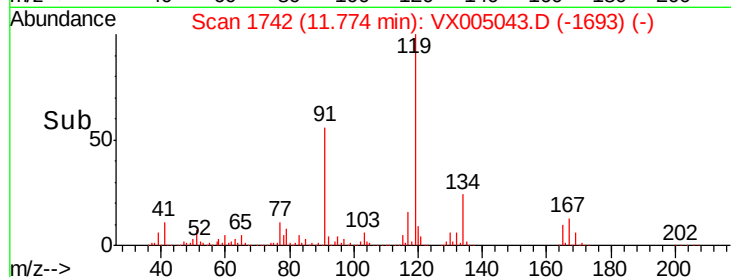
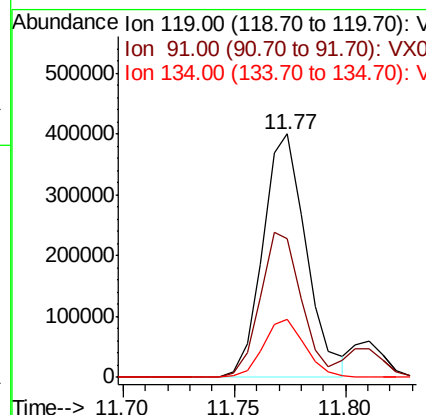
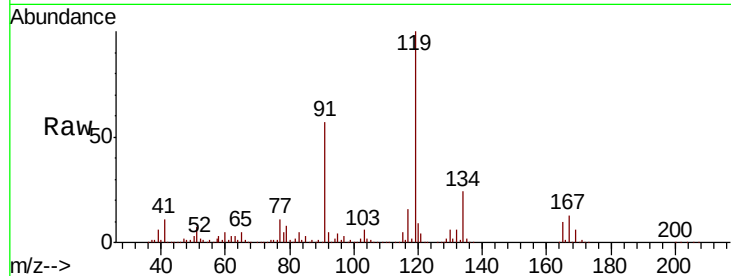
#83  
 tert-Butylbenzene  
 Concen: 56.367 ug/l  
 RT: 11.77 min Scan# 1742  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 56.4  | 27.5  | 82.5  |
| 134     | 22.9  | 11.5  | 34.4  |

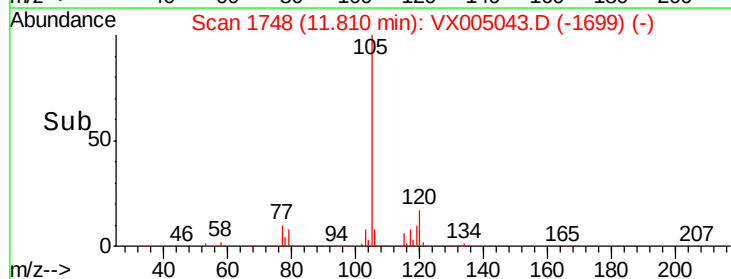
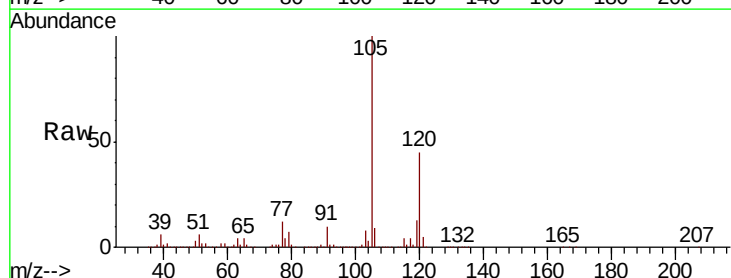
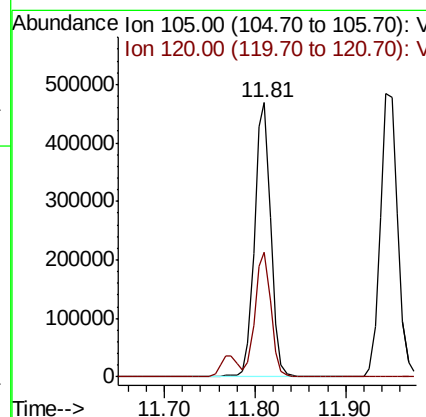
Manual Integrations  
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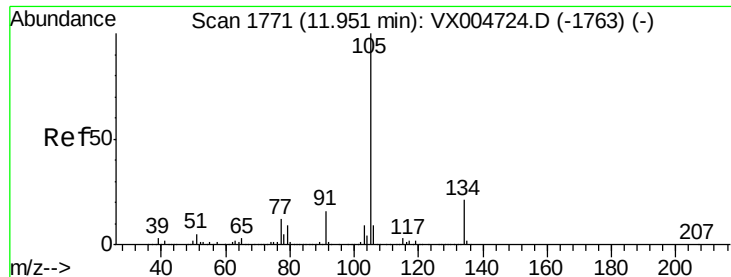
MMDadoda  
 10/5/2018 3:24:54 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.269 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.5  | 22.8  | 68.3  |





#85

sec-Butylbenzene

Concen: 54.798 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 641911

Ion Ratio Lower Upper

105 100

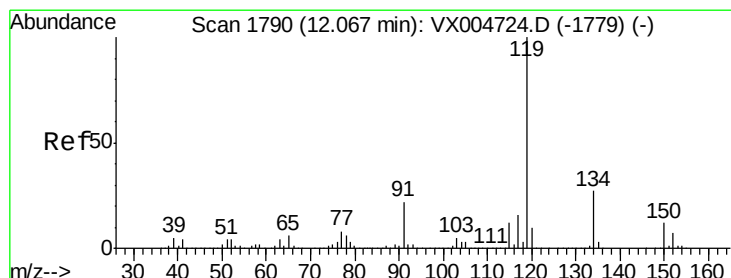
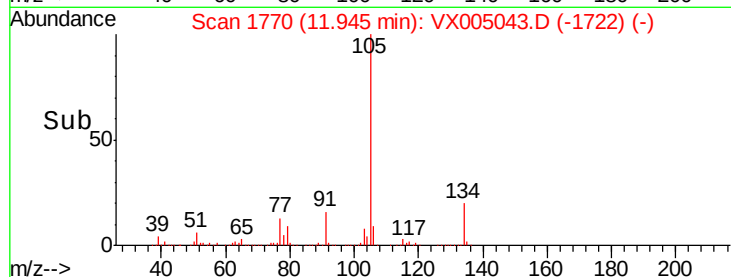
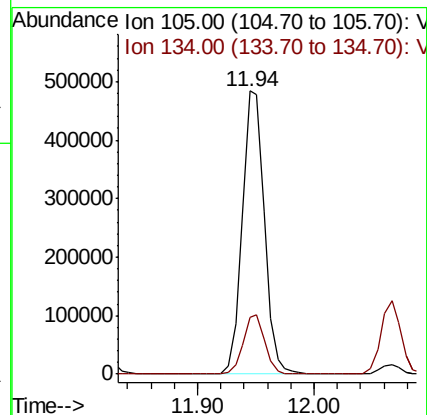
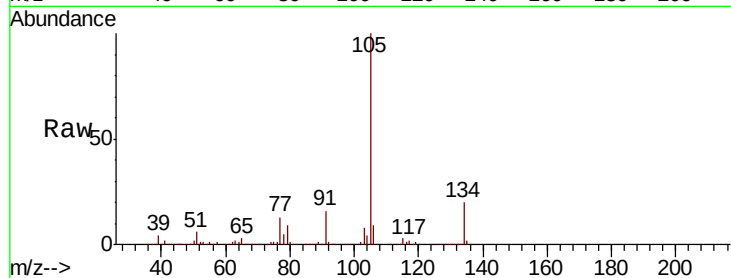
134 20.5 10.2 30.4

Manual Integrations

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10/5/2018 3:24:54 PM



#86

p-Isopropyltoluene

Concen: 54.540 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

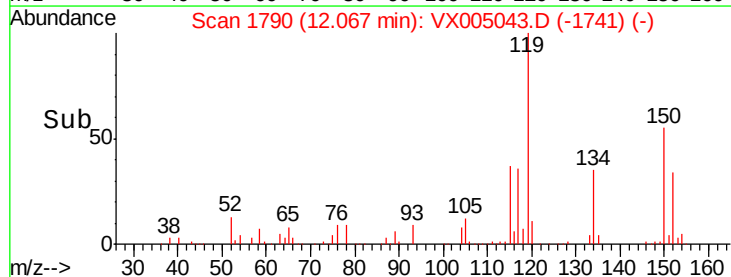
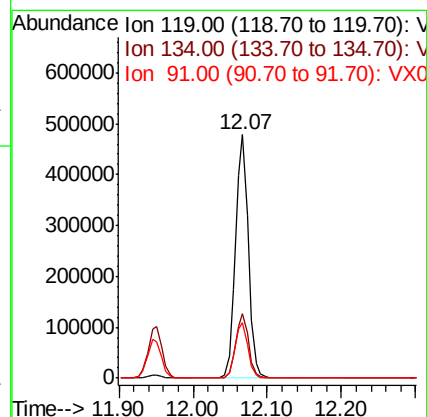
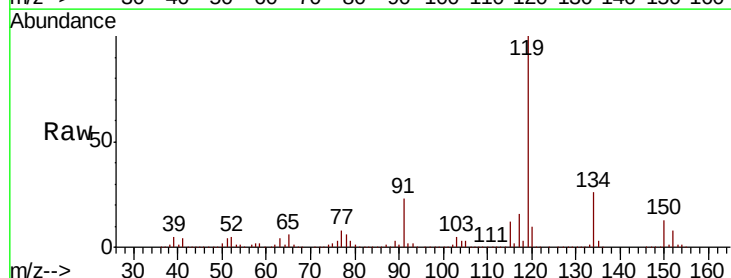
Tgt Ion:119 Resp: 578826

Ion Ratio Lower Upper

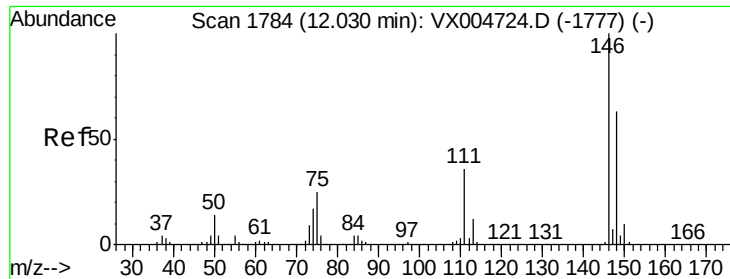
119 100

134 26.3 13.4 40.1

91 22.8 11.5 34.4







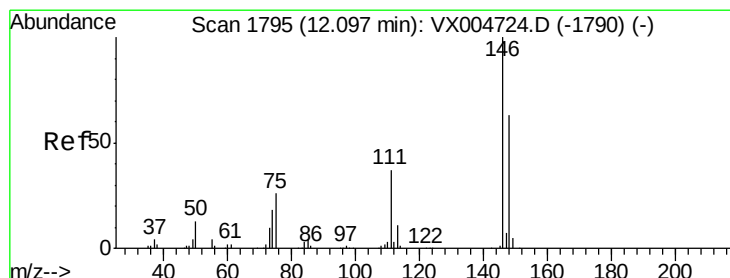
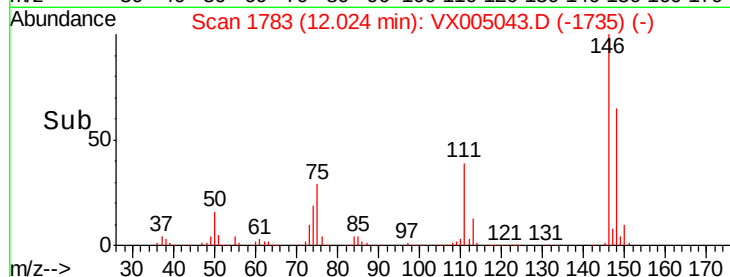
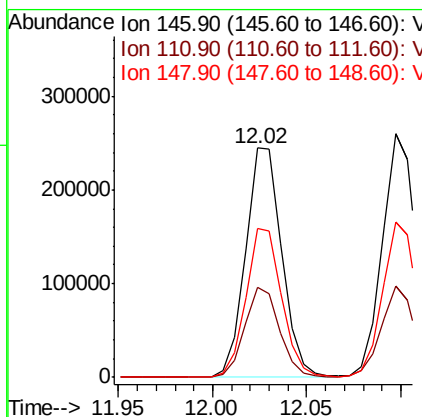
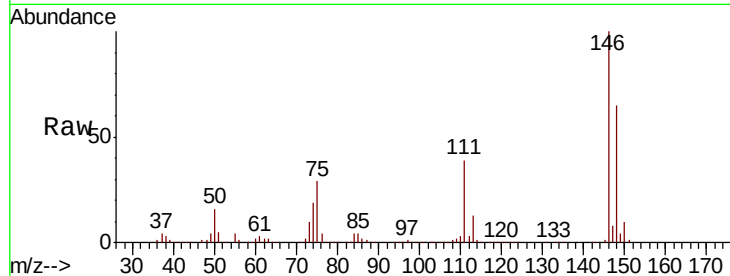
#87  
 1,3-Dichlorobenzene  
 Concen: 51.521 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.01 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 18.9  | 56.9  |
| 148     | 64.1  | 31.8  | 95.3  |

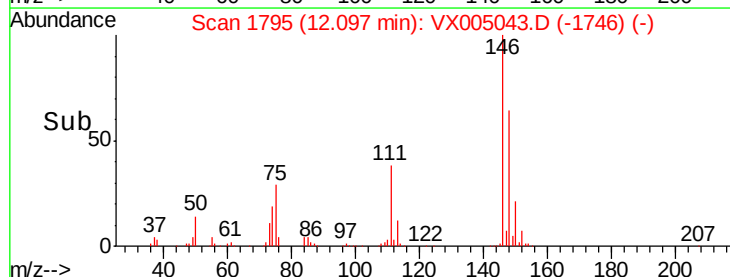
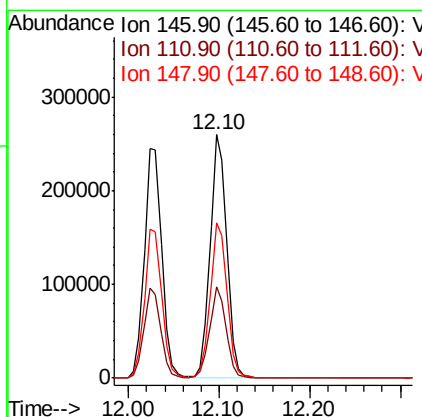
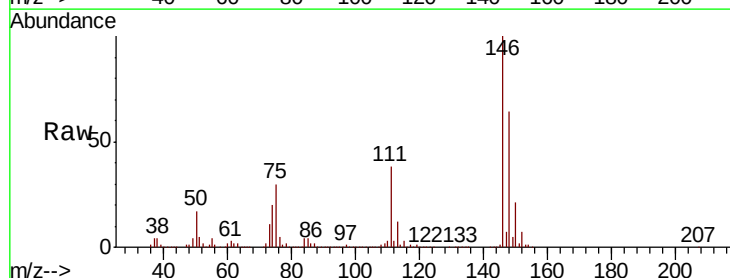
Manual Integrations  
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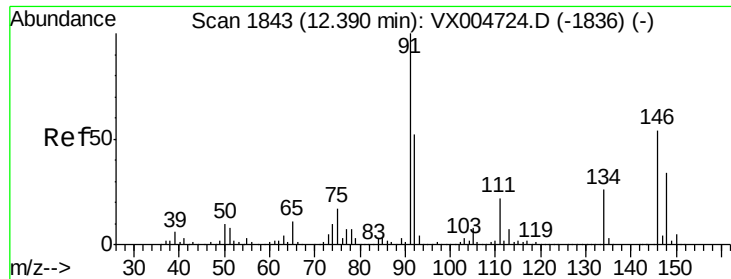
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 50.703 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.9  | 18.4  | 55.2  |
| 148     | 64.0  | 32.0  | 96.0  |





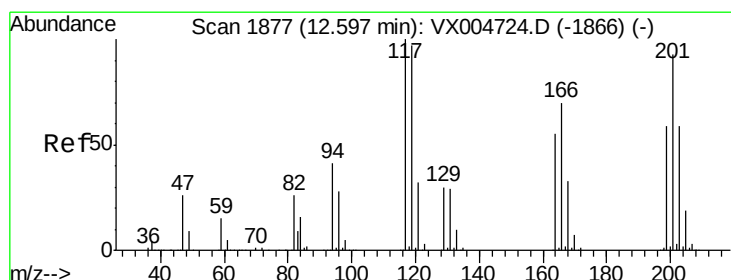
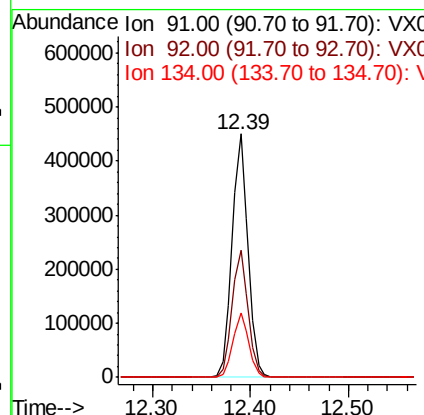
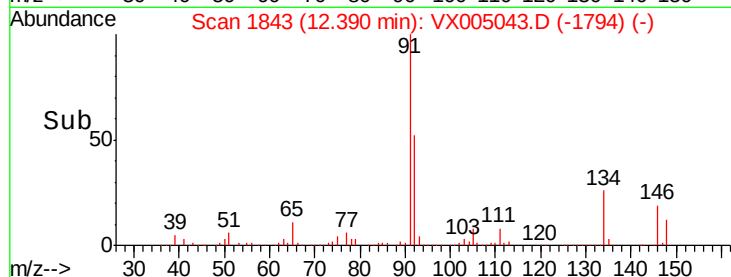
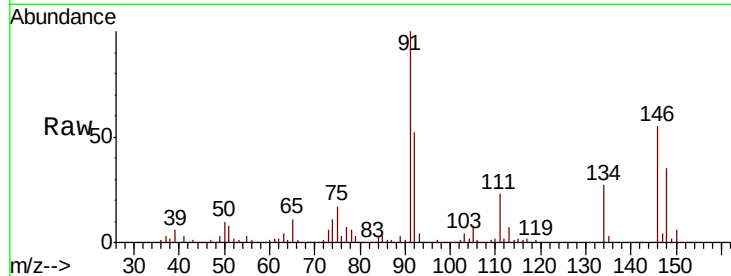
#89  
n-Butylbenzene  
Concen: 52.699 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.4  | 26.0  | 78.0  |
| 134     | 26.4  | 13.2  | 39.6  |

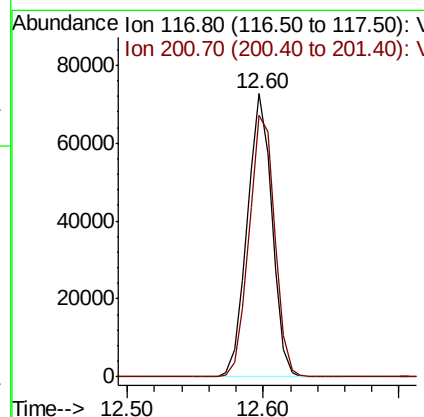
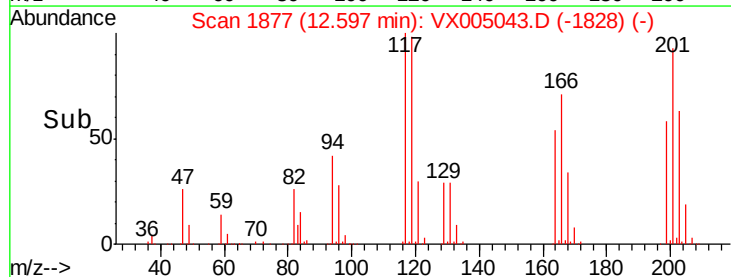
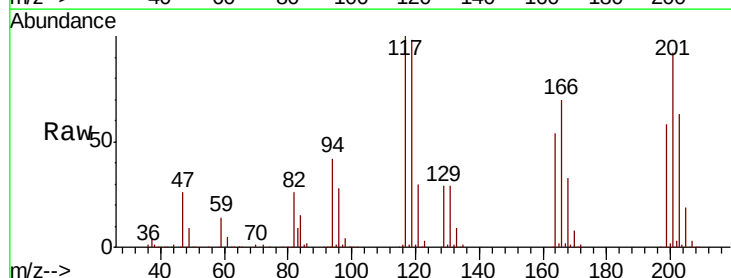
Manual Integrations  
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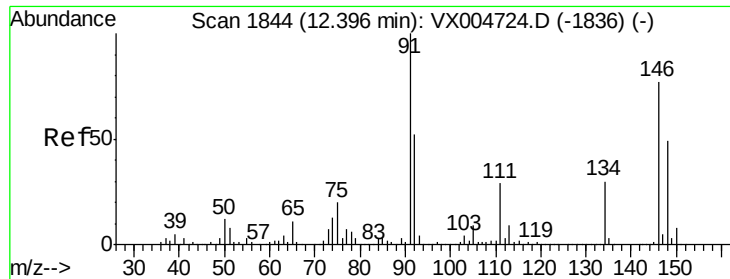
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#90  
Hexachloroethane  
Concen: 52.258 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 95.8  | 48.4  | 145.0 |





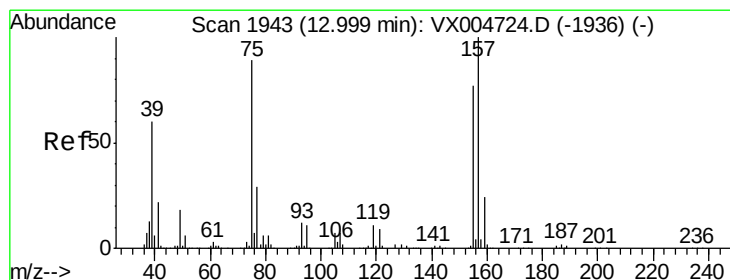
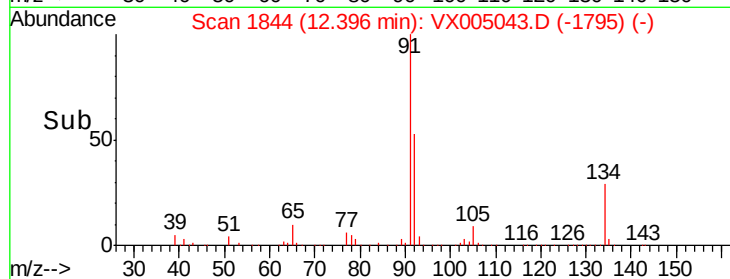
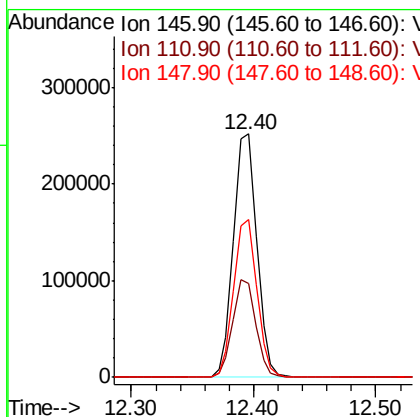
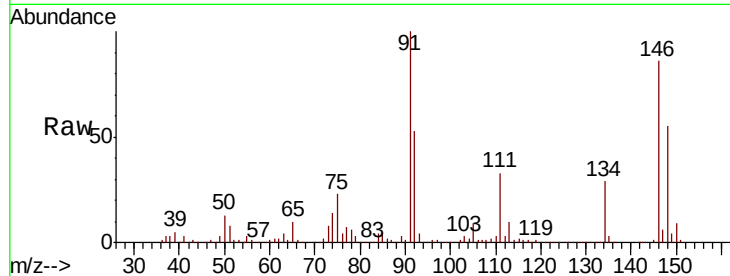
#91  
 1,2-Dichlorobenzene  
 Concen: 50.304 ug/l  
 RT: 12.40 min Scan# 1844  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.6  | 19.6  | 58.7  |
| 148     | 64.3  | 31.8  | 95.4  |

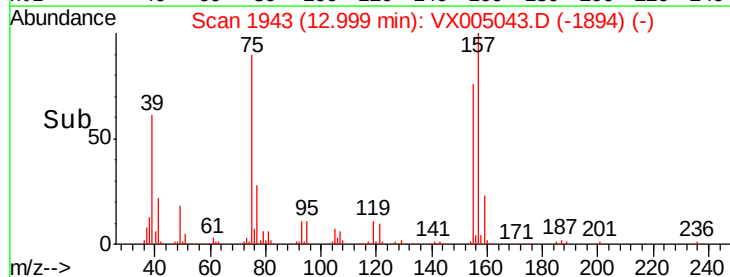
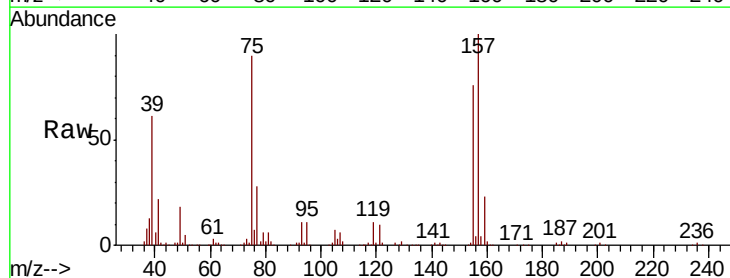
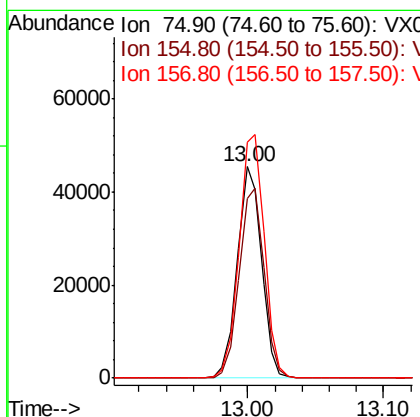
Manual Integrations  
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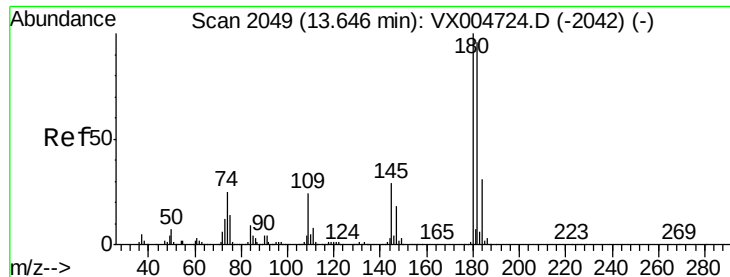
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.915 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.4  | 46.1  | 138.3 |
| 157     | 119.7 | 60.2  | 180.6 |





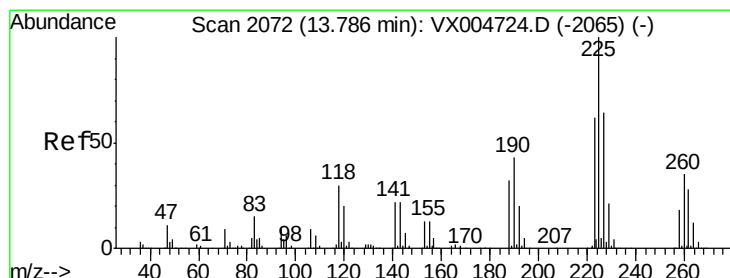
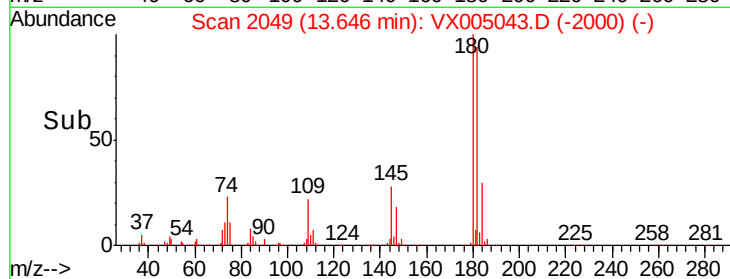
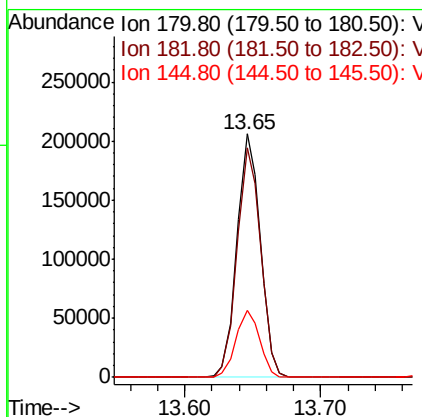
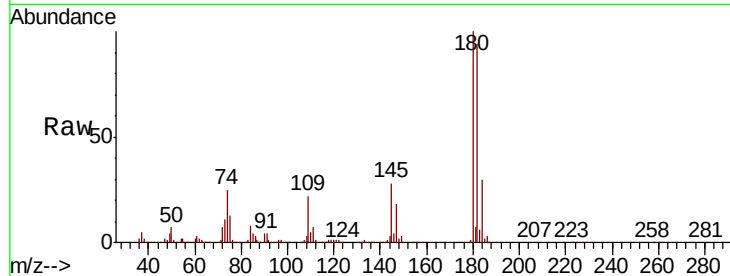
#93  
 1,2,4-Trichlorobenzene  
 Concen: 52.955 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 245937 |       |       |
| 182     | 95.2  | 47.8   | 143.4 |       |
| 145     | 27.9  | 14.1   | 42.4  |       |

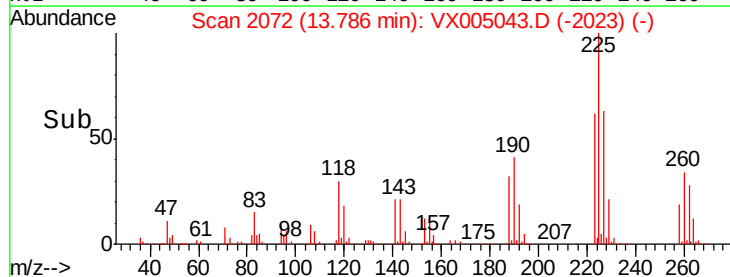
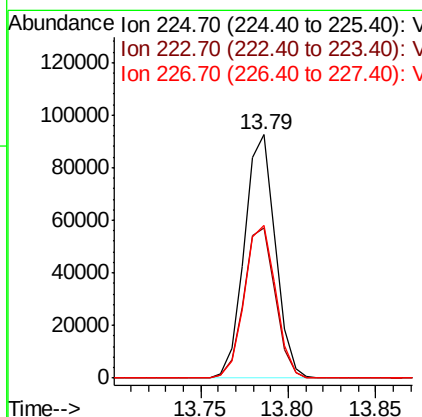
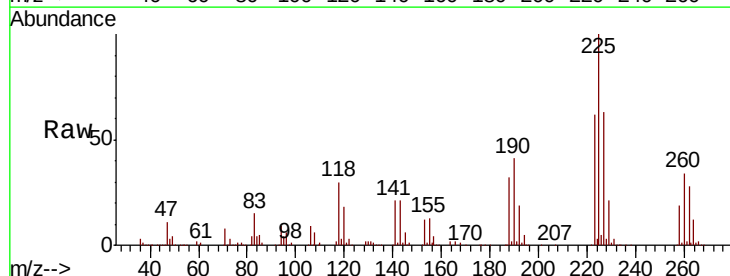
Manual Integrations  
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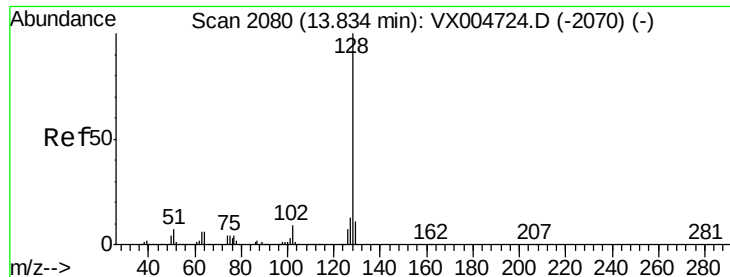
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#94  
 Hexachlorobutadiene  
 Concen: 47.048 ug/l  
 RT: 13.79 min Scan# 2072  
 Delta R.T. 0.00 min  
 Lab File: VX005043.D  
 Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 113305 |       |       |
| 223     | 62.6  | 31.3   | 93.8  |       |
| 227     | 63.7  | 31.9   | 95.5  |       |





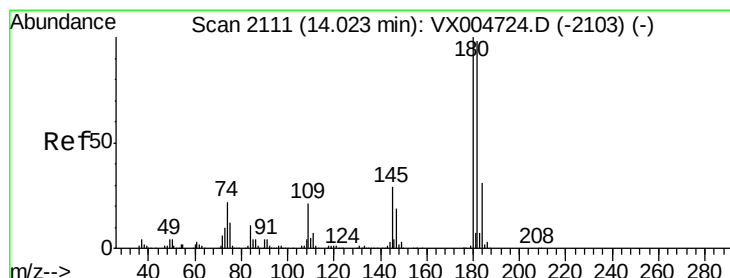
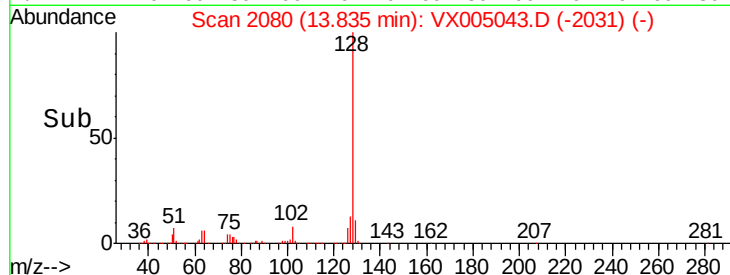
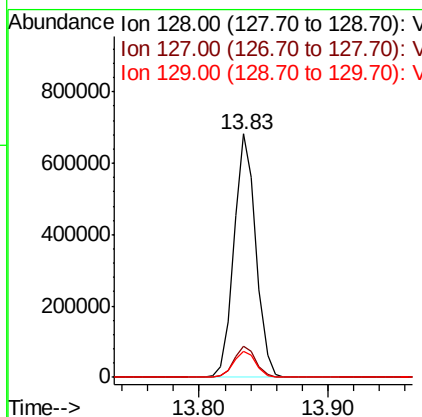
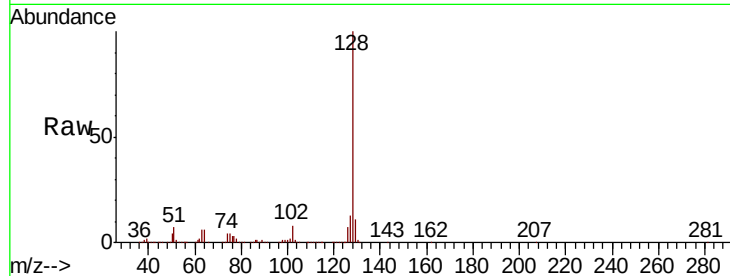
#95  
Naphthalene  
Concen: 52.361 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.4  | 15.6  |
| 129     | 10.8  | 8.7   | 13.1  |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 52.680 ug/l  
RT: 14.02 min Scan# 2111  
Delta R.T. 0.00 min  
Lab File: VX005043.D  
Acq: 05 Oct 2018 02:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.6  | 47.9  | 143.8 |
| 145     | 29.7  | 15.0  | 45.0  |

