

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\  
 Data File : VX004920.D  
 Acq On : 02 Oct 2018 15:39  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/3/2018 4:23:29 PM

Quant Time: Oct 03 08:24:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 03 04:49:12 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.02  | 128  | 50220    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 266638   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.12 | 117  | 250177   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.07   | 65    | 113153   | 29.65    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 98.83%  |
| 60) 4-Bromofluorobenzene  | 11.14  | 95    | 121651   | 29.25    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 97.50%  |
| 63) Toluene-d8            | 8.72   | 98    | 340689   | 30.51    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 101.70% |

## Target Compounds

|                               |      |     |        |         | Ovalue     |
|-------------------------------|------|-----|--------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 75798  | 19.386  | ug/l 96    |
| 3) Chloromethane              | 1.32 | 50  | 81251  | 20.029  | ug/l 98    |
| 4) Vinyl Chloride             | 1.40 | 62  | 79019  | 19.054  | ug/l 99    |
| 5) Bromomethane               | 1.64 | 94  | 38282  | 19.236  | ug/l 98    |
| 6) Chloroethane               | 1.72 | 64  | 45996  | 19.318  | ug/l 99    |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 101753 | 19.261  | ug/l 99    |
| 8) Diethyl Ether              | 2.19 | 74  | 41125  | 19.096  | ug/l 98    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 56485  | 18.618  | ug/l 99    |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 52392  | 18.232  | ug/l 98    |
| 11) Methyl Iodide             | 2.51 | 142 | 38022  | 21.361  | ug/l 98    |
| 12) Methyl Acetate            | 2.78 | 43  | 119856 | 20.684  | ug/l 99    |
| 13) Acrolein                  | 2.29 | 56  | 47069  | 87.916  | ug/l 100   |
| 14) Acrylonitrile             | 3.15 | 53  | 231987 | 97.967  | ug/l 100   |
| 15) Acetone                   | 2.45 | 58  | 72252  | 91.277  | ug/l 97    |
| 16) Carbon Disulfide          | 2.57 | 76  | 155394 | 18.437  | ug/l 99    |
| 17) Allyl chloride            | 2.73 | 41  | 122328 | 19.143  | ug/l 97    |
| 18) Methylene Chloride        | 2.85 | 84  | 65016  | 19.455  | ug/l 99    |
| 19) trans-1,2-Dichloroethene  | 3.16 | 96  | 57142  | 18.612  | ug/l 98    |
| 20) Diisopropyl ether         | 3.87 | 45  | 207283 | 19.025  | ug/l 96    |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 118192 | 19.689  | ug/l 99    |
| 22) cis-1,2-Dichloroethene    | 4.60 | 96  | 63672  | 18.749  | ug/l 99    |
| 23) tert-Butyl Alcohol        | 3.07 | 59  | 108730 | 99.479  | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 3.20 | 73  | 204834 | 19.396  | ug/l 100   |
| 25) Chloroform                | 5.21 | 83  | 107810 | 19.082  | ug/l 100   |
| 26) Cyclohexane               | 5.57 | 56  | 94080  | 18.262  | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 5.79 | 75  | 76583  | 19.409  | ug/l 99    |
| 30) 2-Butanone                | 4.70 | 43  | 326695 | 101.840 | ug/l 99    |
| 31) 2,2-Dichloropropane       | 4.58 | 77  | 86439  | 19.967  | ug/l 99    |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 90926  | 20.047  | ug/l 99    |
| 33) Carbon Tetrachloride      | 5.78 | 117 | 76814  | 19.284  | ug/l 98    |
| 34) Benzene                   | 6.14 | 78  | 241573 | 20.176  | ug/l 98    |
| 35) Methacrylonitrile         | 5.06 | 41  | 62119  | 20.837  | ug/l 97    |
| 36) 1,2-Dichloroethane        | 6.20 | 62  | 85342  | 19.785  | ug/l 99    |
| 37) Trichloroethene           | 7.21 | 130 | 63020  | 19.982  | ug/l 99    |
| 38) Methylcyclohexane         | 7.46 | 83  | 86676  | 18.503  | ug/l 99    |
| 39) 1,2-Dichloropropane       | 7.52 | 63  | 65566  | 20.552  | ug/l 98    |
| 40) Dibromomethane            | 7.66 | 93  | 42720  | 20.660  | ug/l 97    |

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 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

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 10/3/2018 4:23:29 PM

Quant Time: Oct 03 08:24:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 03 04:49:12 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Bromodichloromethane       | 7.90  | 83   | 79683    | 19.990  | ug/l  | 98       |
| 42) Vinyl Acetate              | 3.82  | 43   | 977283   | 105.301 | ug/l  | 100      |
| 43) Ethyl Acetate              | 4.86  | 43   | 108132   | 20.434  | ug/l  | 100      |
| 44) Isopropyl Acetate          | 6.46  | 43   | 160662   | 20.345  | ug/l  | 100      |
| 45) 1,4-Dioxane                | 7.76  | 88   | 39449    | 424.015 | ug/l  | 99       |
| 46) Methyl methacrylate        | 7.78  | 41   | 83633    | 20.413  | ug/l  | 97       |
| 47) n-amyl Acetate             | 10.90 | 43   | 138519   | 19.012  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene      | 9.04  | 75   | 88970    | 19.510  | ug/l  | 98       |
| 49) cis-1,3-Dichloropropene    | 8.44  | 75   | 98391    | 19.905  | ug/l  | 98       |
| 50) 1,1,2-Trichloroethane      | 9.22  | 97   | 65192    | 20.825  | ug/l  | 98       |
| 51) Ethyl methacrylate         | 9.18  | 69   | 97258    | 19.576  | ug/l  | 99       |
| 52) 1,3-Dichloropropane        | 9.37  | 76   | 107190   | 20.296  | ug/l  | 100      |
| 53) Dibromochloromethane       | 9.59  | 129  | 63548    | 19.566  | ug/l  | 99       |
| 54) 1,2-Dibromoethane          | 9.67  | 107  | 66245    | 20.305  | ug/l  | 99       |
| 55) 2-Chloroethyl vinyl ether  | 8.32  | 63   | 273862   | 104.465 | ug/l  | 99       |
| 56) Bromoform                  | 10.86 | 173  | 51604    | 19.025  | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone       | 8.65  | 43   | 580279   | 103.304 | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 460631   | 99.532  | ug/l  | 100      |
| 61) Tetrachloroethene          | 9.34  | 164  | 61584    | 20.228  | ug/l  | 96       |
| 62) Toluene                    | 8.79  | 91   | 263146   | 20.014  | ug/l  | 99       |
| 64) Chlorobenzene              | 10.14 | 112  | 167132   | 19.683  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 60995    | 19.761  | ug/l  | 100      |
| 66) Ethyl Benzene              | 10.26 | 91   | 277155   | 19.309  | ug/l  | 100      |
| 67) m/p-Xylenes                | 10.36 | 106  | 216769   | 38.785  | ug/l  | 95       |
| 68) o-Xylene                   | 10.70 | 106  | 103783   | 19.264  | ug/l  | 100      |
| 69) Styrene                    | 10.71 | 104  | 175118   | 19.331  | ug/l  | 99       |
| 70) Isopropylbenzene           | 11.02 | 105  | 279887   | 19.401  | ug/l  | 98       |
| 71) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 103664   | 19.347  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane     | 11.30 | 75   | 96468m   | 19.762  | ug/l  |          |
| 73) Bromobenzene               | 11.26 | 156  | 76091    | 19.188  | ug/l  | 98       |
| 74) n-propylbenzene            | 11.36 | 91   | 324567   | 19.122  | ug/l  | 99       |
| 75) 2-Chlorotoluene            | 11.42 | 91   | 201378   | 19.453  | ug/l  | 99       |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 237594   | 19.088  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene    | 11.07 | 75   | 28949    | 18.037  | ug/l  | 95       |
| 78) 4-Chlorotoluene            | 11.51 | 91   | 229416   | 19.066  | ug/l  | 99       |
| 79) tert-butylbenzene          | 12.07 | 119  | 249997   | 18.925  | ug/l  | 100      |
| 80) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 246148   | 19.391  | ug/l  | 100      |
| 81) sec-Butylbenzene           | 11.94 | 105  | 279925   | 19.051  | ug/l  | 99       |
| 82) p-Isopropyltoluene         | 12.07 | 119  | 249997   | 18.925  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene        | 12.02 | 146  | 139012   | 18.957  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 140426   | 18.870  | ug/l  | 99       |
| 85) n-Butylbenzene             | 12.39 | 91   | 219604   | 18.303  | ug/l  | 99       |
| 86) Hexachloroethane           | 12.60 | 117  | 39228    | 18.028  | ug/l  | 99       |
| 87) 1,2-Dichlorobenzene        | 12.39 | 146  | 141922   | 19.039  | ug/l  | 100      |
| 88) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 23975    | 19.363  | ug/l  | 95       |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 102448   | 18.424  | ug/l  | 99       |
| 90) Hexachlorobutadiene        | 13.79 | 225  | 50225    | 18.295  | ug/l  | 100      |
| 91) Naphthalene                | 13.83 | 128  | 328919   | 19.023  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 105401   | 18.485  | ug/l  | 99       |

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Sample : VSTDCCC020  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Manual Integrations  
APPROVED

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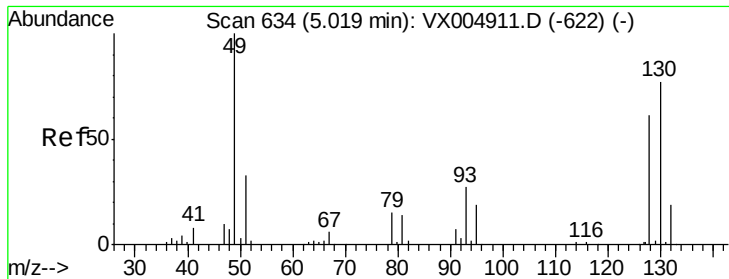
Quant Time: Oct 03 08:24:55 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Oct 03 04:49:12 2018  
Response via : Initial Calibration

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

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

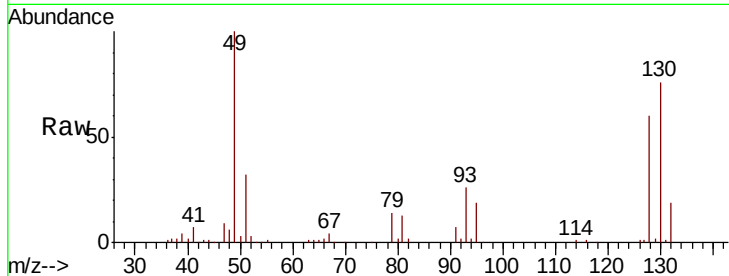
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 50220 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 171.6 | 0.0   | 429.5 |
| 130      | 129.6 | 0.0   | 325.8 |

Manual Integrations  
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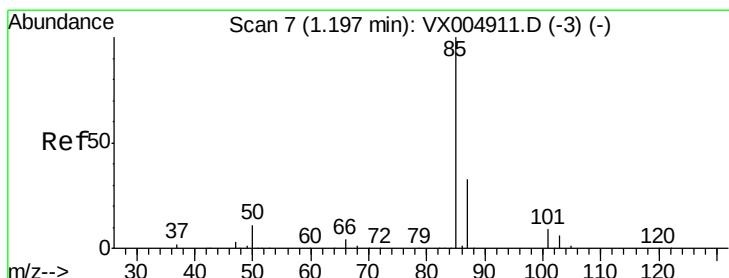
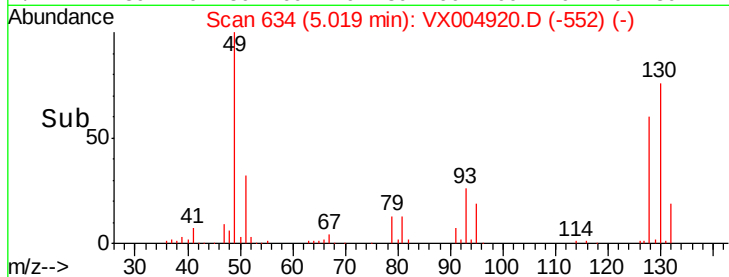
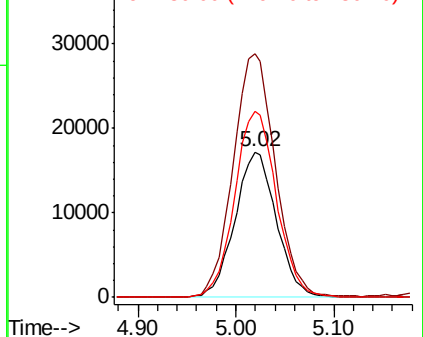


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.386 ug/l

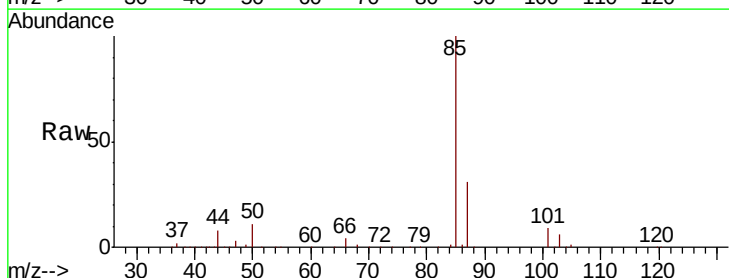
RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

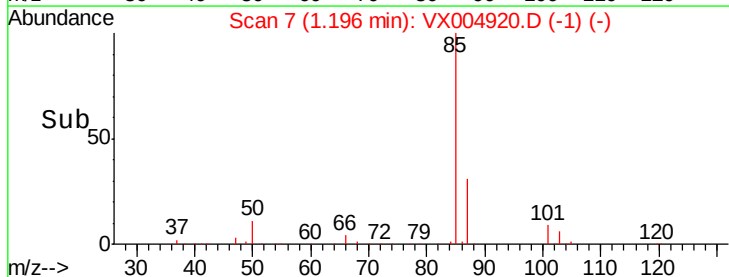
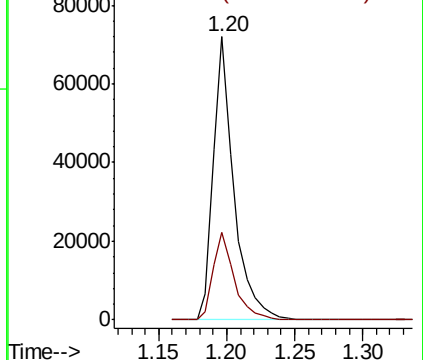
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 85    | Resp: | 75798 |
| Ion      | Ratio | Lower | Upper |
| 85       | 100   |       |       |
| 87       | 31.0  | 16.5  | 49.5  |

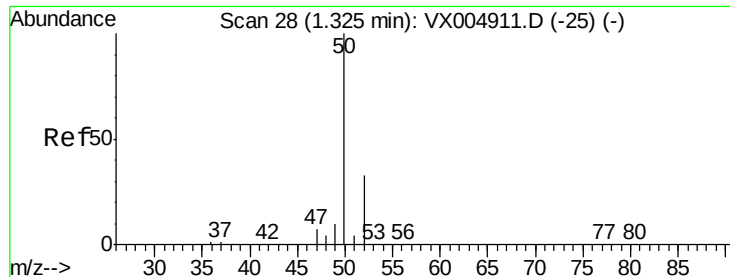


Abundance

Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.029 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 81251

Ion Ratio Lower Upper

50 100

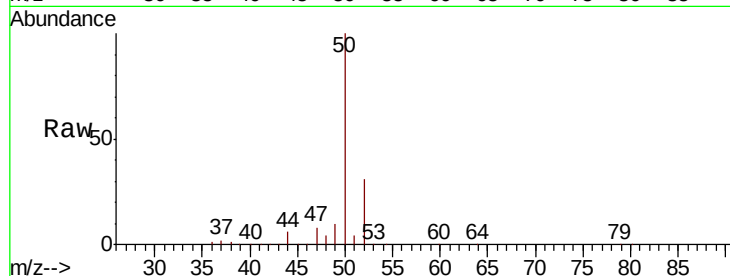
52 31.2 26.1 39.1

Manual Integrations

APPROVED

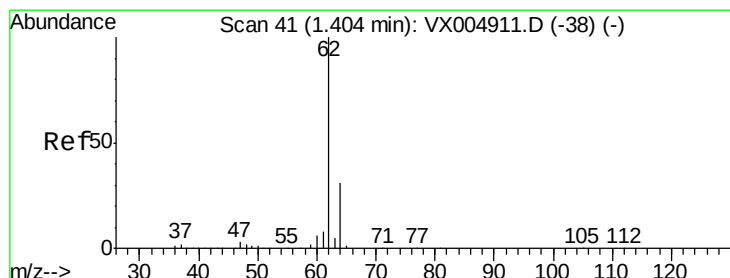
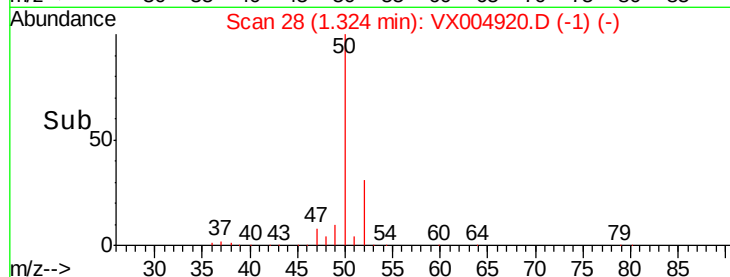
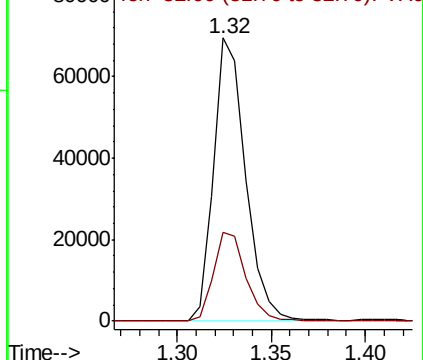
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.054 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004920.D

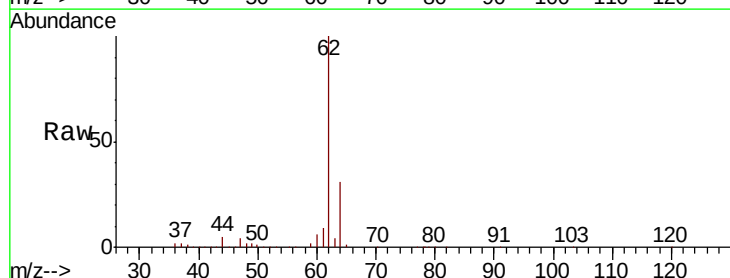
Acq: 02 Oct 2018 15:39

Tgt Ion: 62 Resp: 79019

Ion Ratio Lower Upper

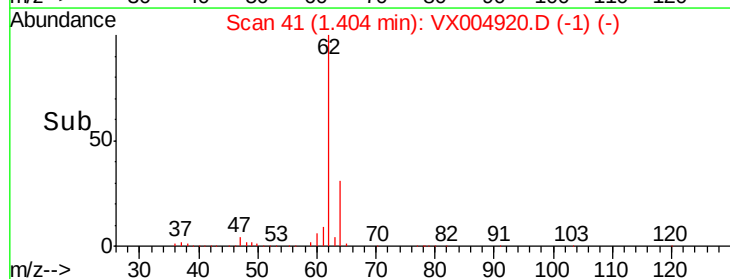
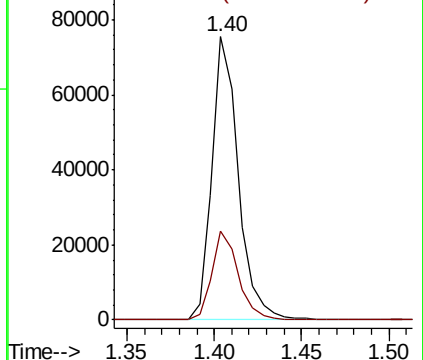
62 100

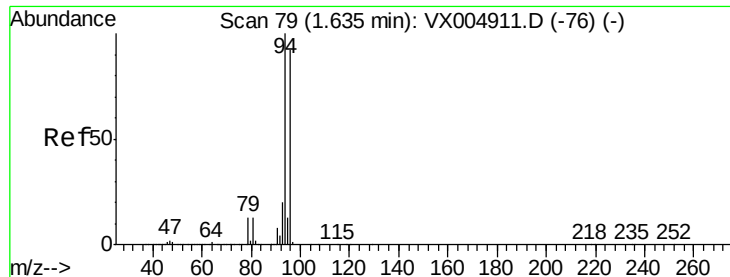
64 31.2 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 19.236 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 38282

Ion Ratio Lower Upper

94 100

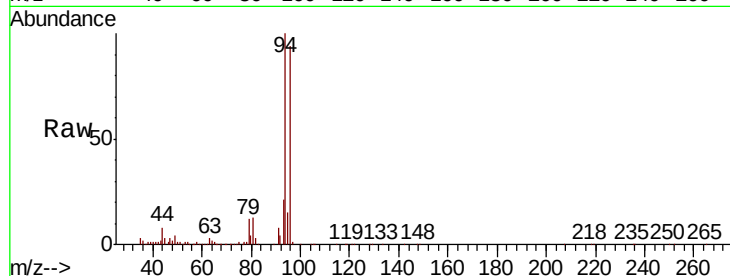
96 94.4 73.8 110.8

Manual Integrations

APPROVED

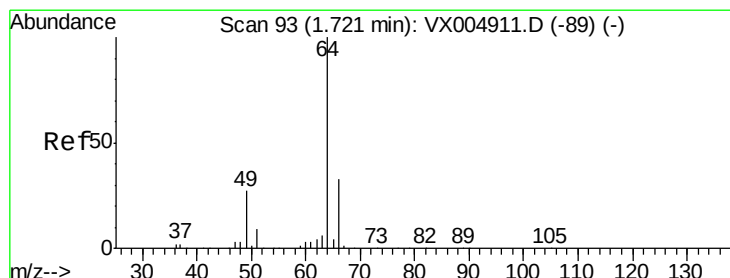
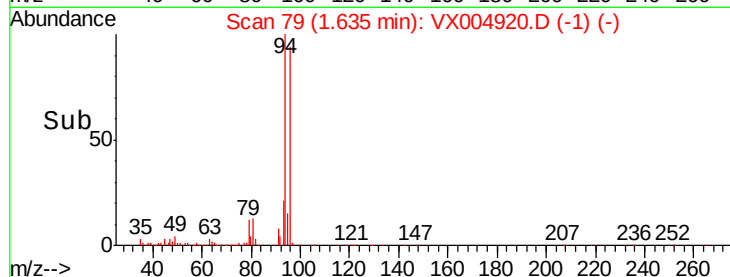
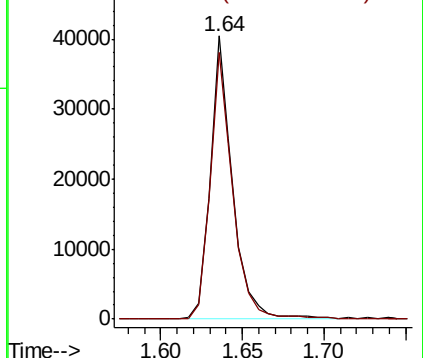
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.318 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX004920.D

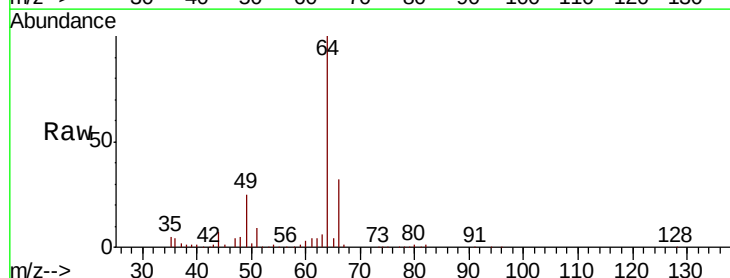
Acq: 02 Oct 2018 15:39

Tgt Ion: 64 Resp: 45996

Ion Ratio Lower Upper

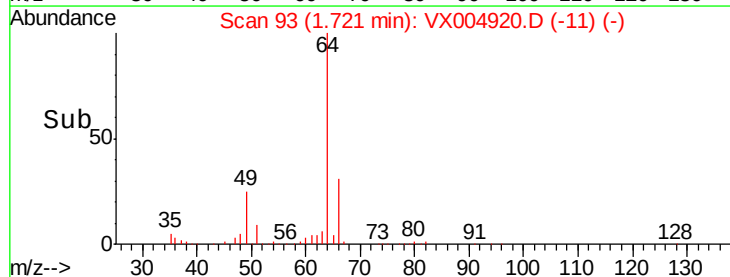
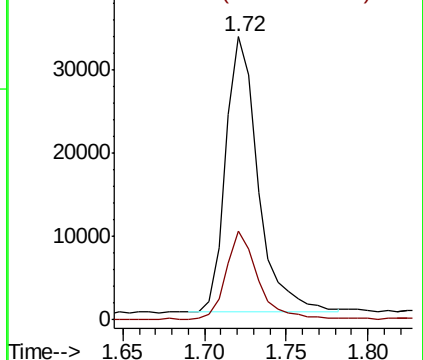
64 100

66 32.1 26.0 39.0

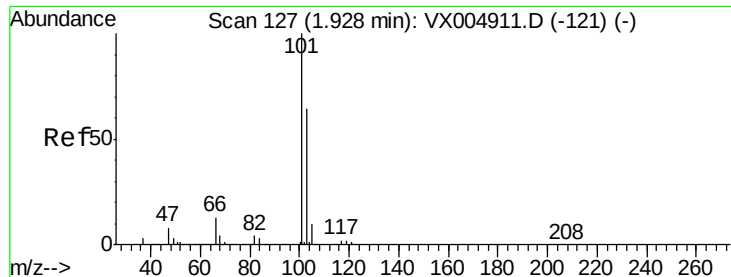


Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0







#7

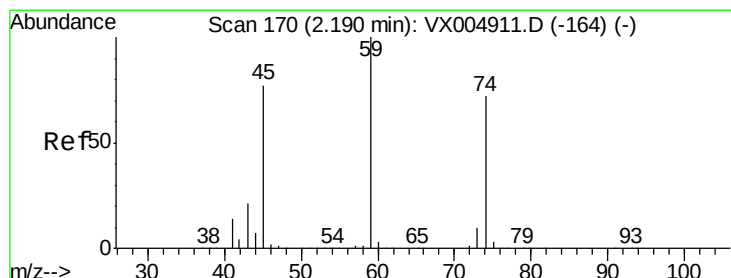
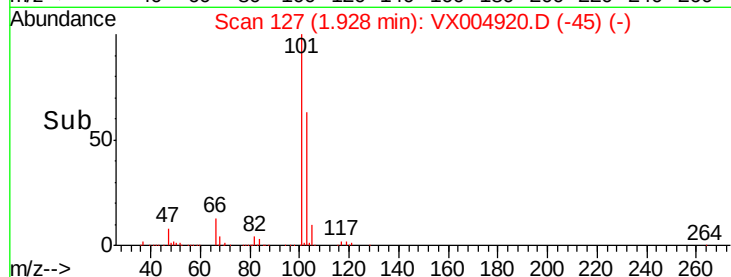
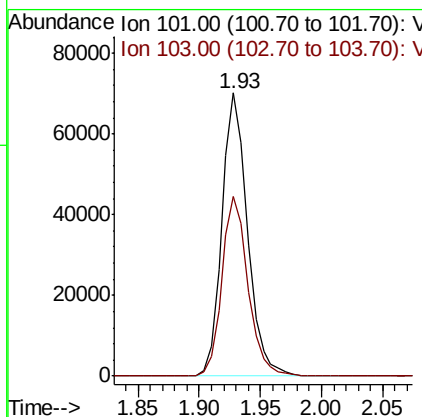
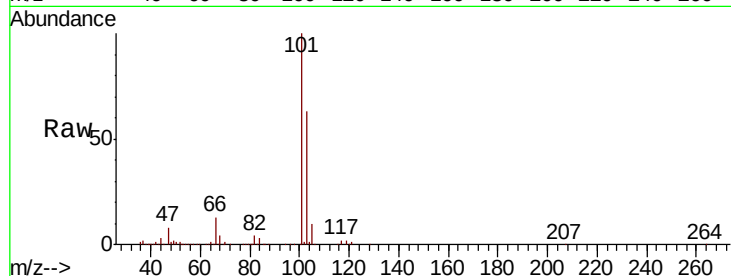
Trichlorofluoromethane  
Concen: 19.261 ug/l  
RT: 1.93 min Scan# 127  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 101753 |       |       |
| 103     | 63.4  | 51.1   | 76.7  |       |

Manual Integrations  
APPROVED

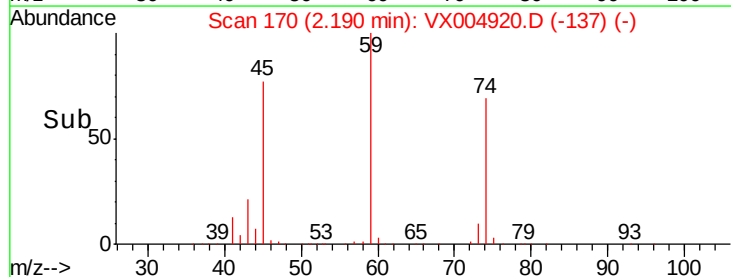
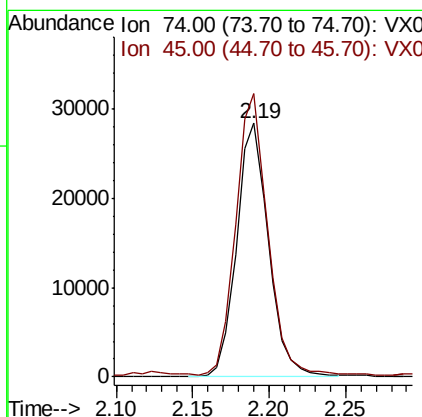
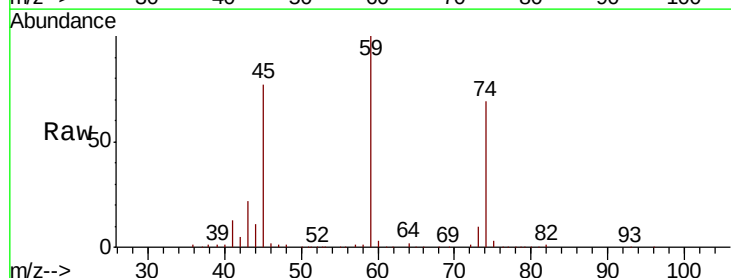
MMDadoda  
10/3/2018 4:23:29 PM



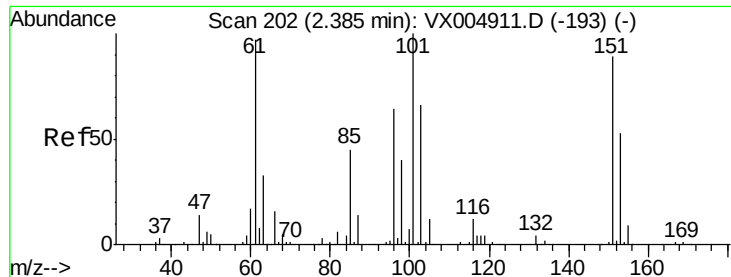
#8

Diethyl Ether  
Concen: 19.096 ug/l  
RT: 2.19 min Scan# 170  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 41125 |       |       |
| 45      | 110.4 | 21.6  | 194.8 |       |







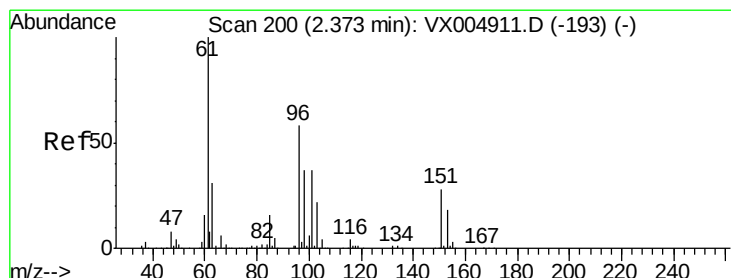
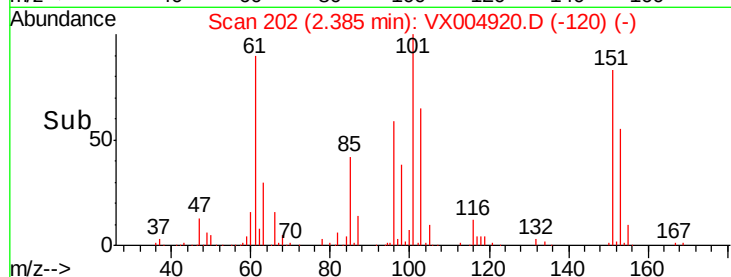
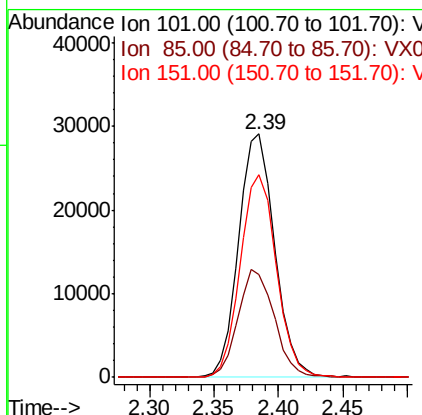
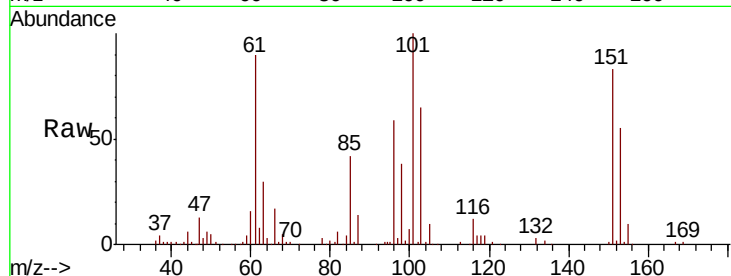
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 18.618 ug/l  
 RT: 2.39 min Scan# 202  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 101     | 100   | 56485 |       |       |
| 85      | 44.6  |       | 0.0   | 88.0  |
| 151     | 83.4  |       | 0.0   | 164.8 |

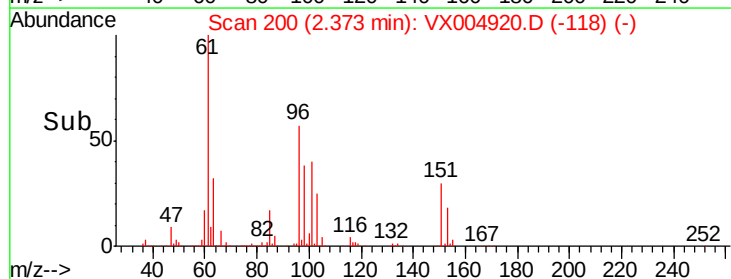
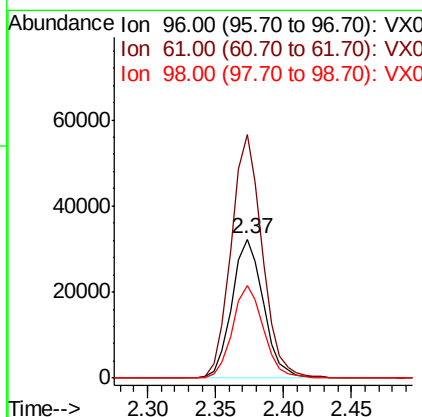
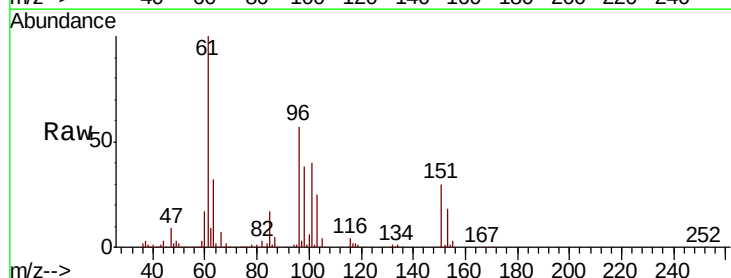
Manual Integrations  
 APPROVED

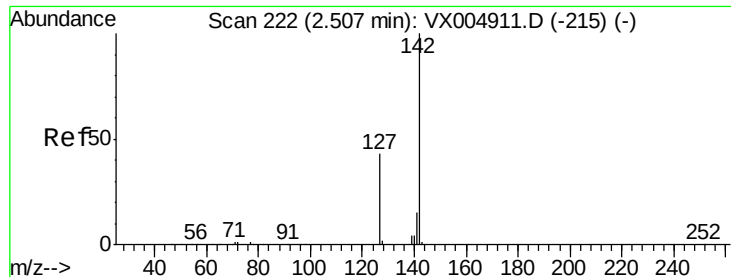
MMDadoda  
 10/3/2018 4:23:29 PM



#10  
 1,1-Dichloroethene  
 Concen: 18.232 ug/l  
 RT: 2.37 min Scan# 200  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 52392 |       |       |
| 61      | 174.9 |       | 137.9 | 206.9 |
| 98      | 66.8  |       | 51.0  | 76.4  |





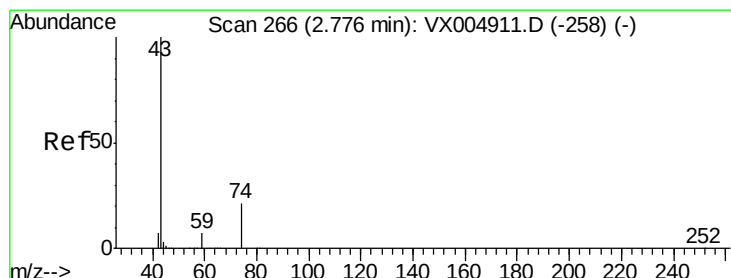
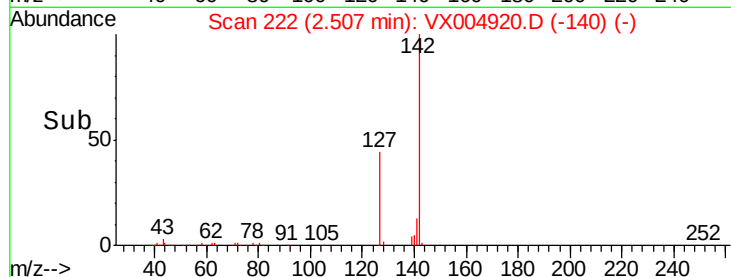
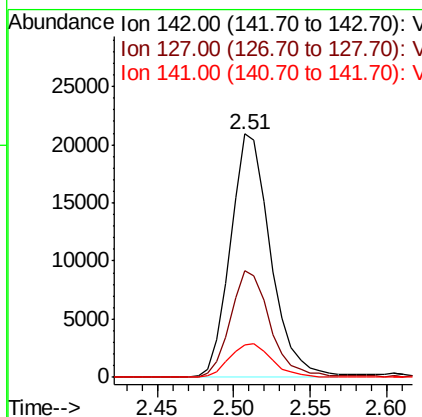
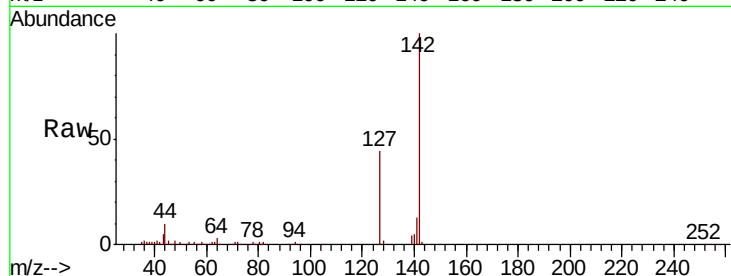
#11  
Methvl Iodide  
Concen: 21.361 ug/l  
RT: 2.51 min Scan# 222  
Delta R.T. 0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 43.7  | 21.6  | 64.8  |
| 141     | 13.3  | 7.5   | 22.6  |

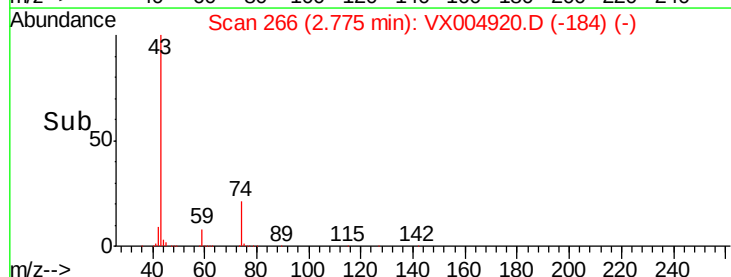
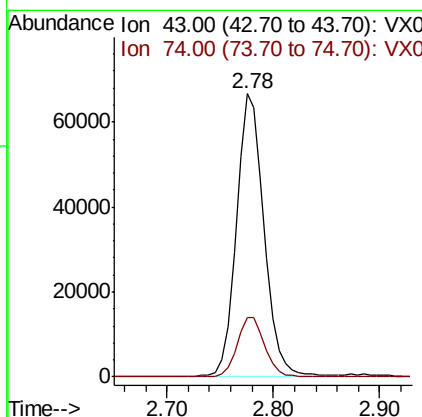
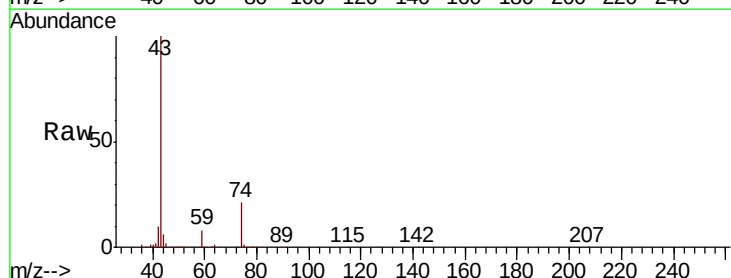
Manual Integrations  
APPROVED

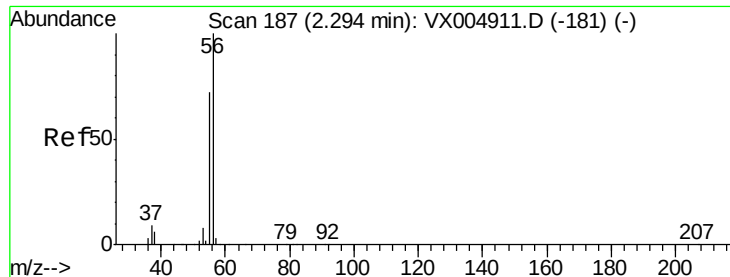
MMDadoda  
10/3/2018 4:23:29 PM



#12  
Methyl Acetate  
Concen: 20.684 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 20.9  | 17.0  | 25.6  |





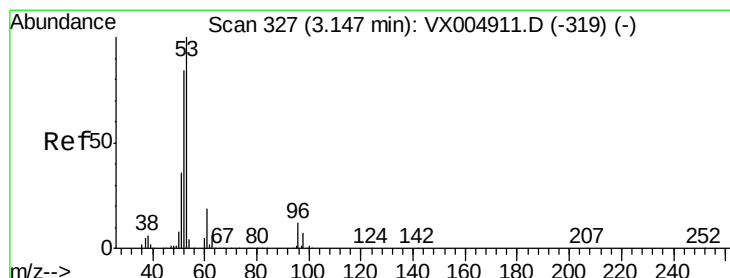
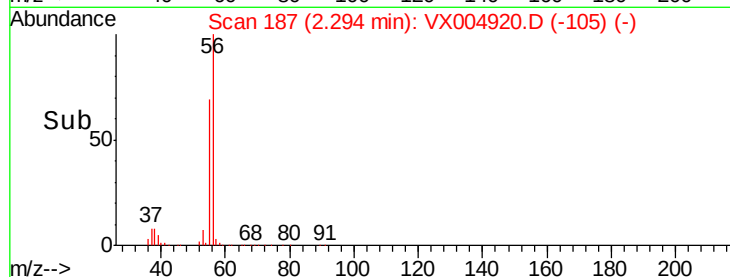
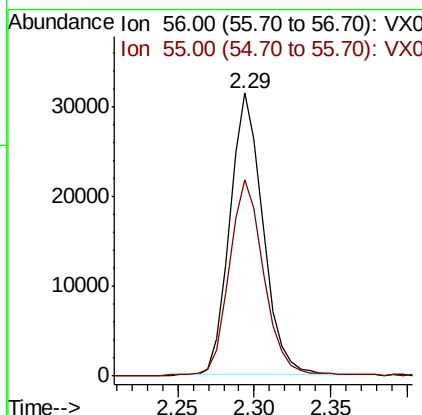
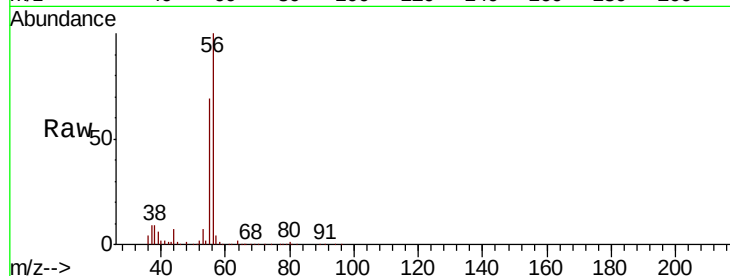
#13  
Acrolein  
Concen: 87.916 ug/l  
RT: 2.29 min Scan# 187  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion   | 56   | Resp  | 47069 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 55        | 72.7 | 57.9  | 86.9  |

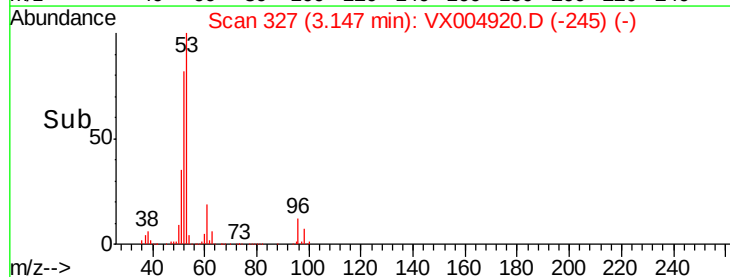
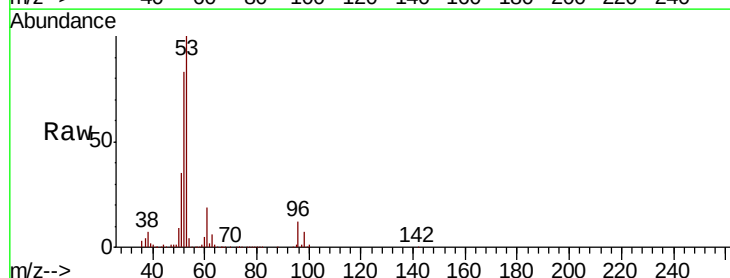
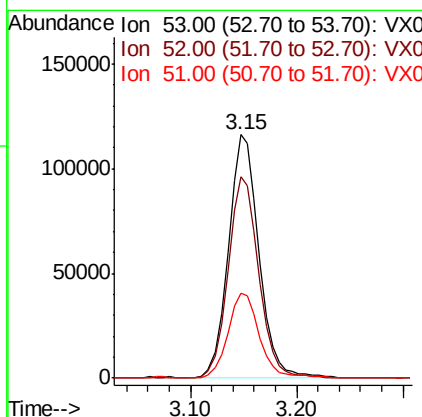
Manual Integrations  
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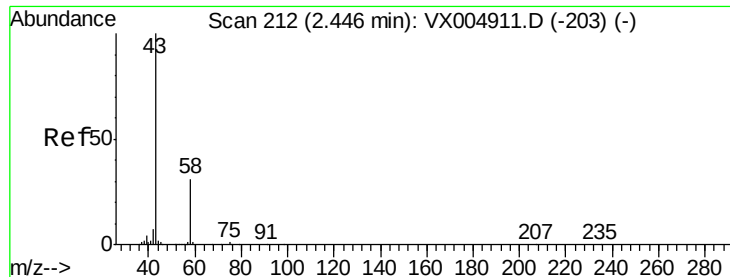
MMDadoda  
10/3/2018 4:23:29 PM



#14  
Acrylonitrile  
Concen: 97.967 ug/l  
RT: 3.15 min Scan# 327  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion   | 53   | Resp  | 231987 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 83.0 | 41.5  | 124.6  |
| 51        | 36.1 | 18.0  | 54.0   |





#15

Acetone

Concen: 91.277 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 72252

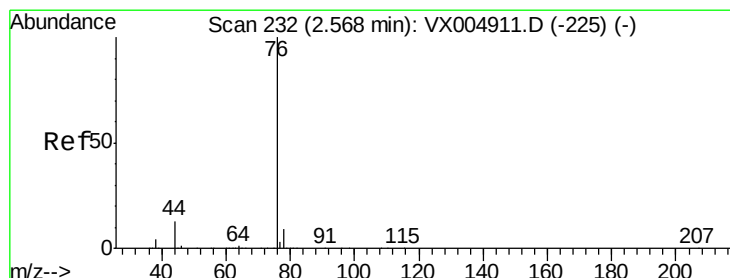
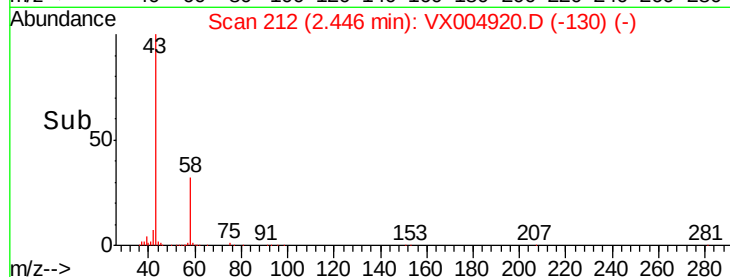
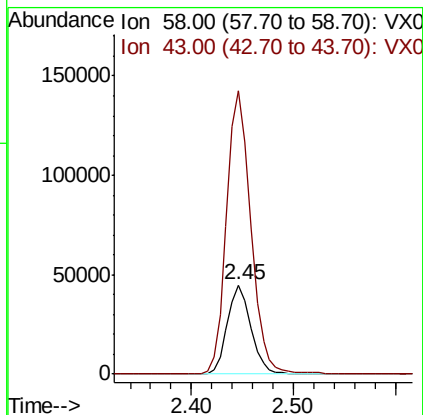
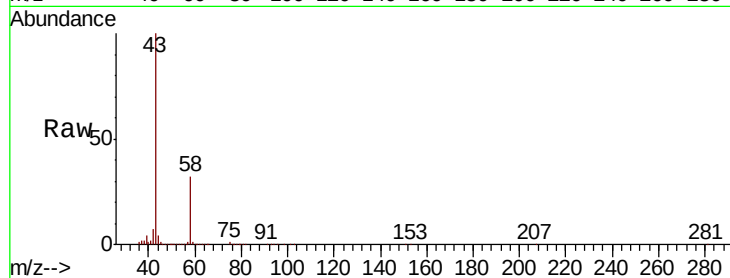
Ion Ratio Lower Upper

58 100

43 316.9 258.6 388.0

Manual Integrations  
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#16

Carbon Disulfide

Concen: 18.437 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004920.D

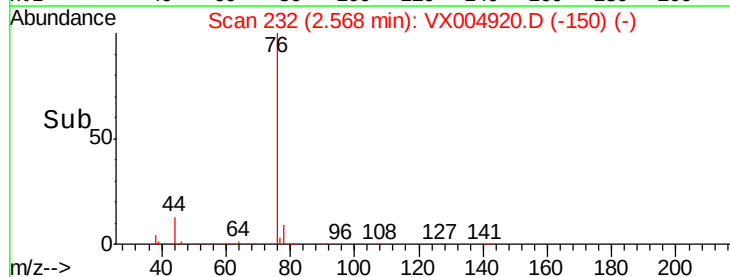
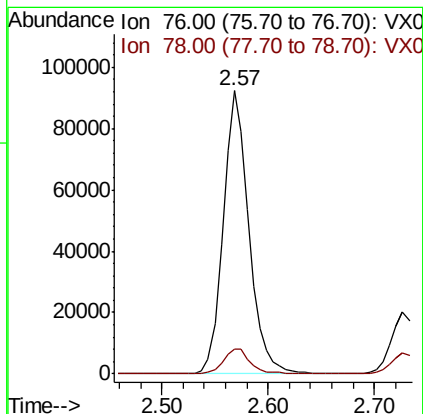
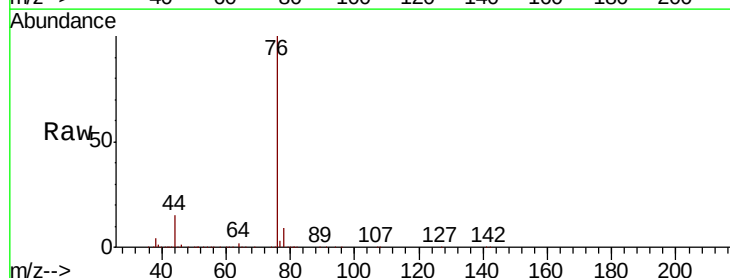
Acq: 02 Oct 2018 15:39

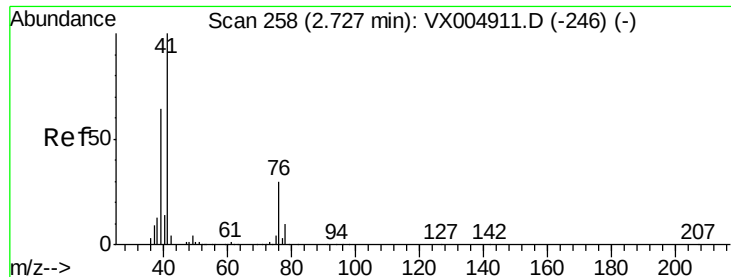
Tgt Ion: 76 Resp: 155394

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7





#17

Allvl chloride

Concen: 19.143 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

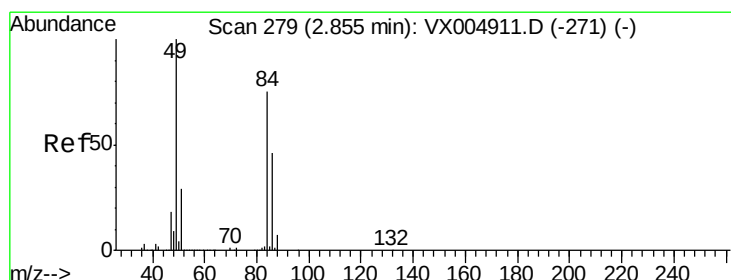
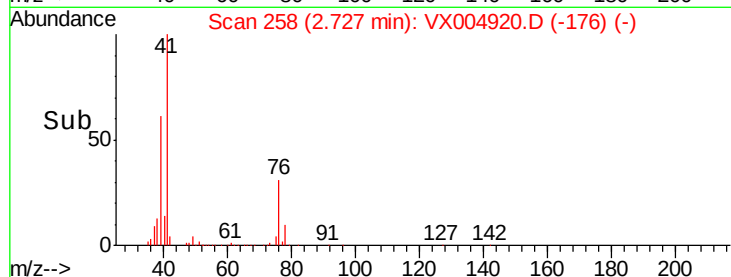
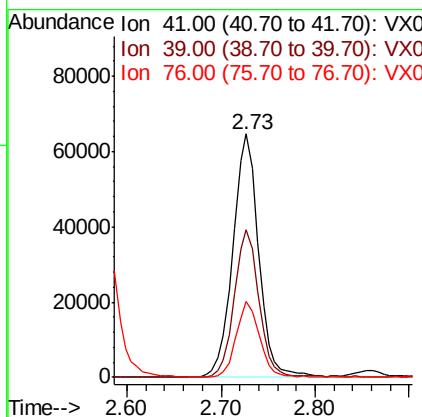
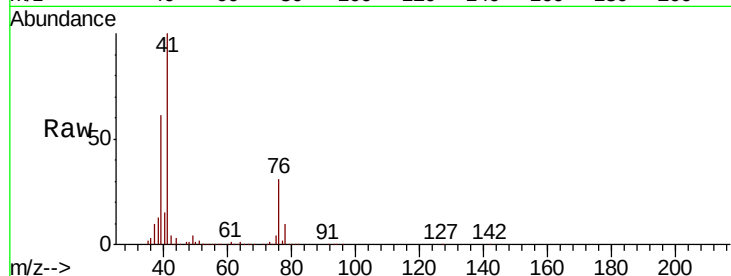
ClientSampleId :

VSTDCCC020EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 41    | Resp: | 122328 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 60.7  | 31.8  | 95.4   |
| 76        | 31.2  | 15.3  | 45.8   |

Manual Integrations  
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#18

Methylene Chloride

Concen: 19.455 ug/l

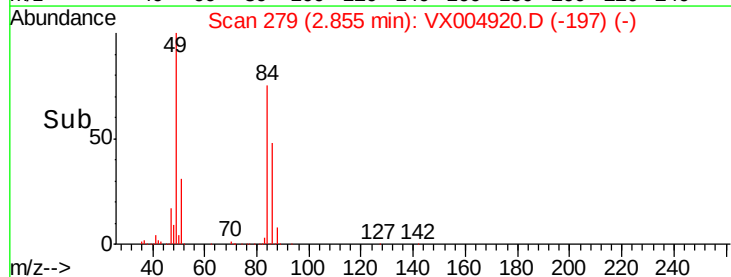
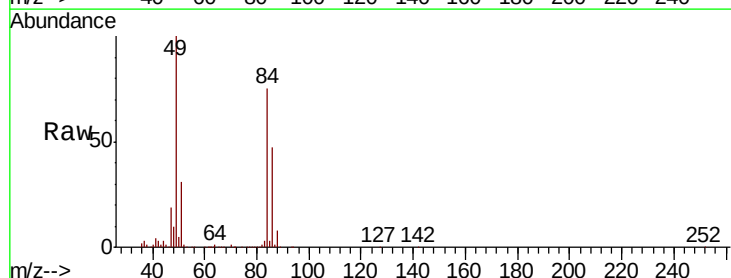
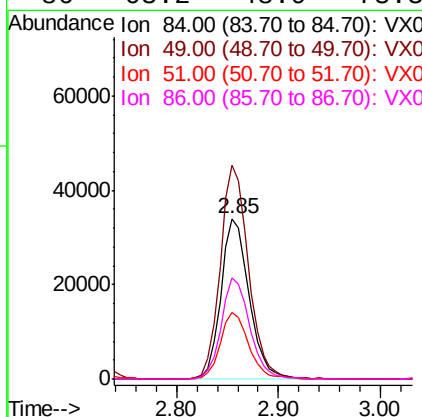
RT: 2.85 min Scan# 279

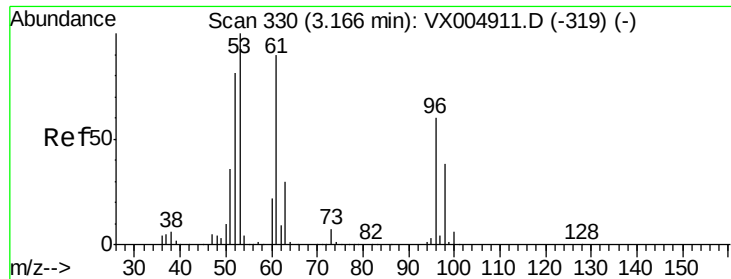
Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 84    | Resp: | 65016 |
| Ion Ratio | Lower | Upper |       |
| 84        | 100   |       |       |
| 49        | 132.9 | 106.2 | 159.4 |
| 51        | 41.6  | 31.3  | 46.9  |
| 86        | 63.2  | 48.9  | 73.3  |





#19

trans-1,2-Dichloroethene

Concen: 18.612 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

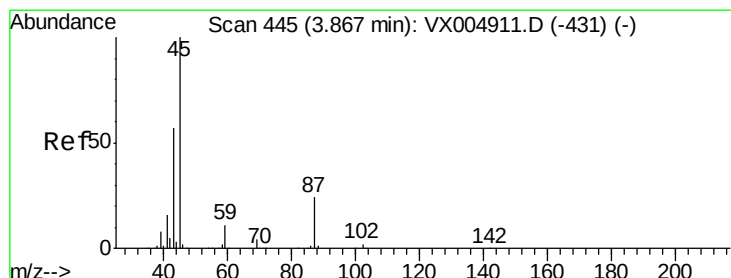
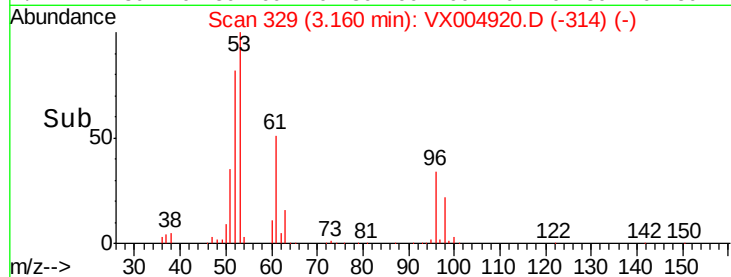
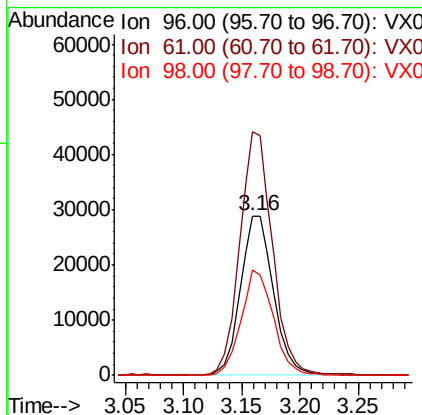
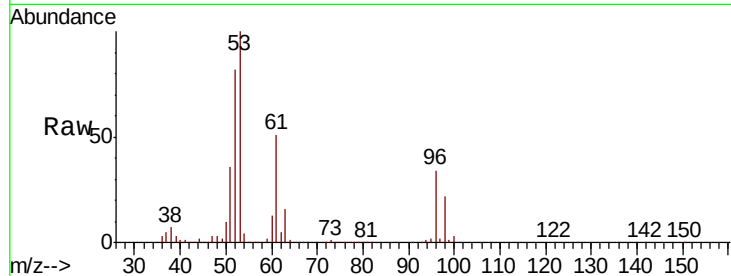
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 57142 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 152.1 | 119.5 | 179.3 |
| 98       | 65.7  | 50.6  | 75.8  |

Manual Integrations  
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#20

Diisopropyl ether

Concen: 19.025 ug/l

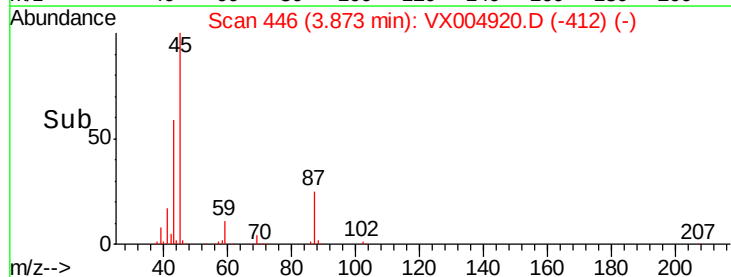
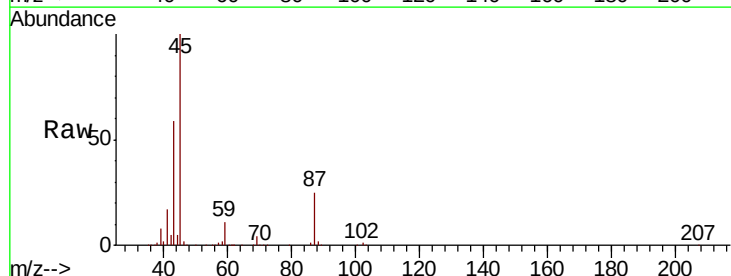
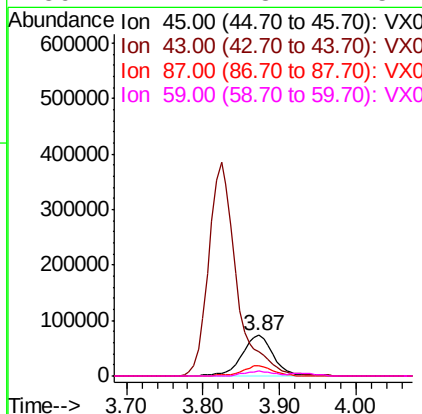
RT: 3.87 min Scan# 446

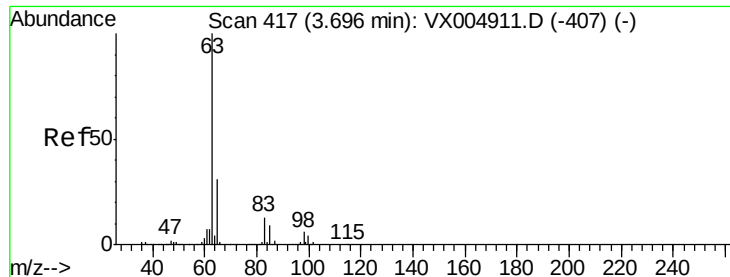
Delta R.T. 0.01 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 207283 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 57.9  | 49.8  | 74.8   |
| 87       | 24.7  | 19.1  | 28.7   |
| 59       | 11.4  | 8.7   | 13.1   |





#21

1,1-Dichloroethane

Concen: 19.689 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

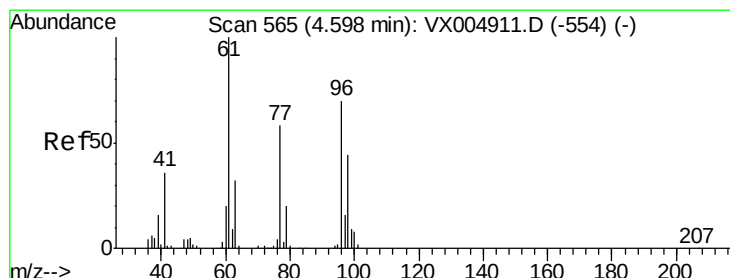
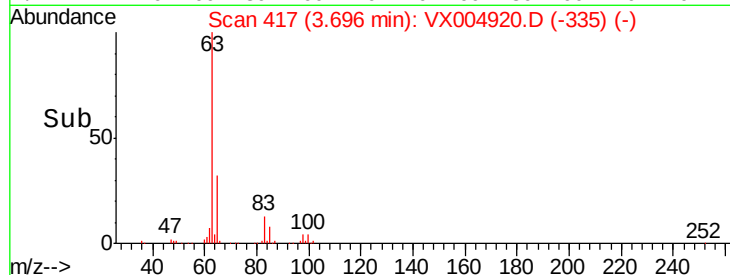
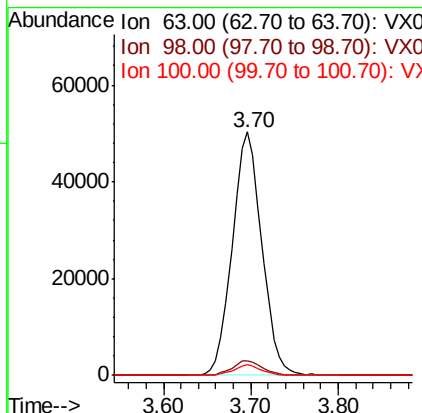
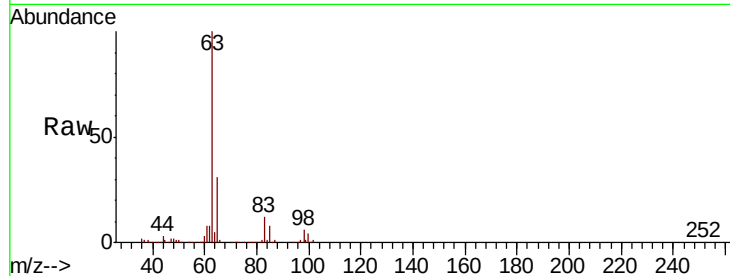
ClientSampleId :

VSTDCCC020EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 63      | 100   | 118192 |       |       |
| 98      | 6.0   |        | 3.2   | 9.6   |
| 100     | 4.4   |        | 2.1   | 6.5   |

Manual Integrations  
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#22

cis-1,2-Dichloroethene

Concen: 18.749 ug/l

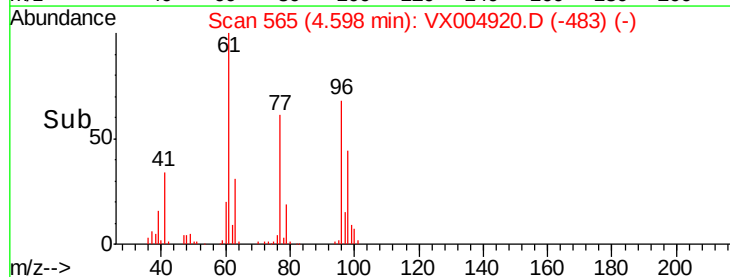
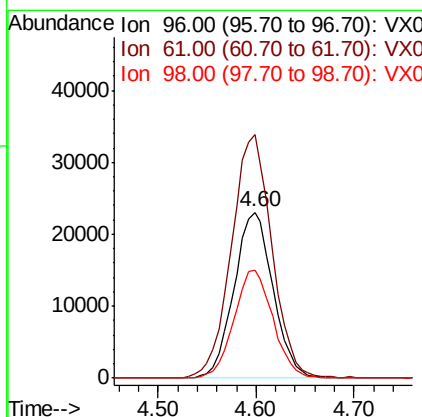
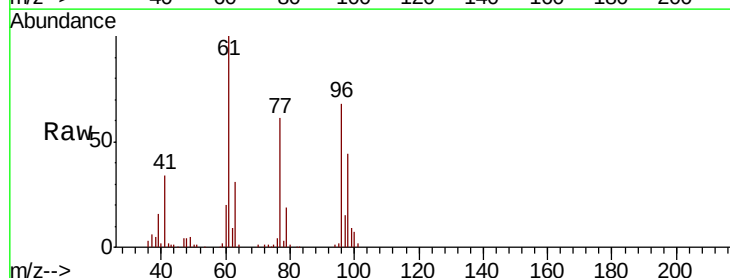
RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

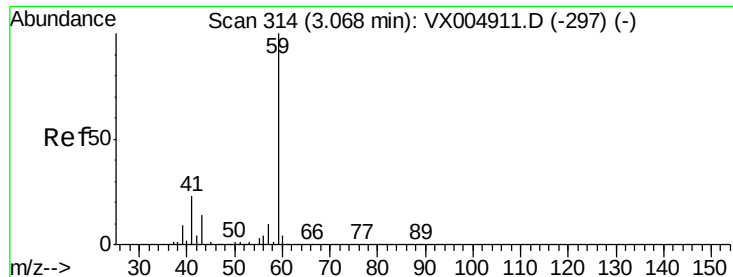
Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   | 63672 |       |       |
| 61      | 152.0 |       | 123.3 | 184.9 |
| 98      | 64.9  |       | 51.4  | 77.0  |







#23

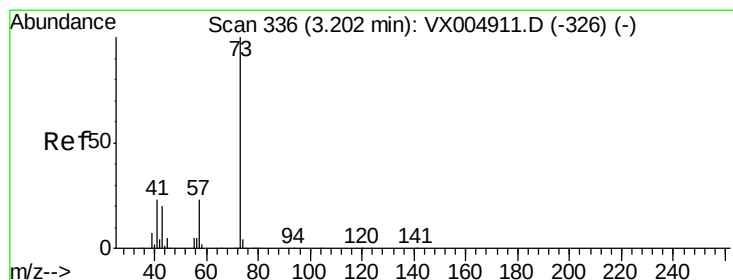
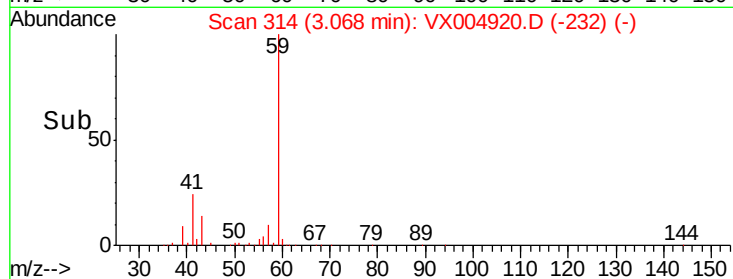
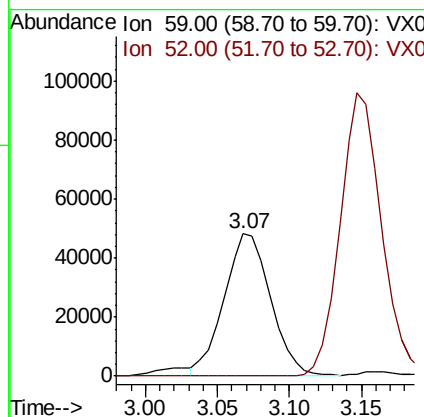
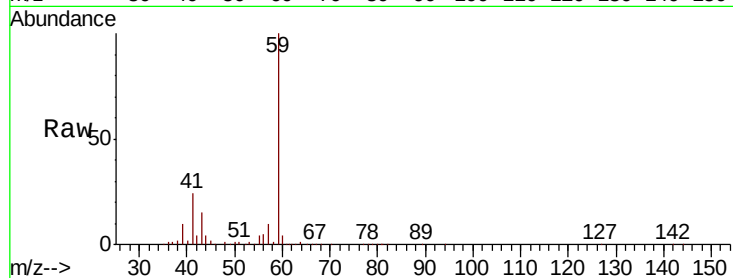
tert-Butyl Alcohol  
 Concen: 99.479 ug/l  
 RT: 3.07 min Scan# 314  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 52      | 0.2   | 0.1   | 0.1#  |

Manual Integrations  
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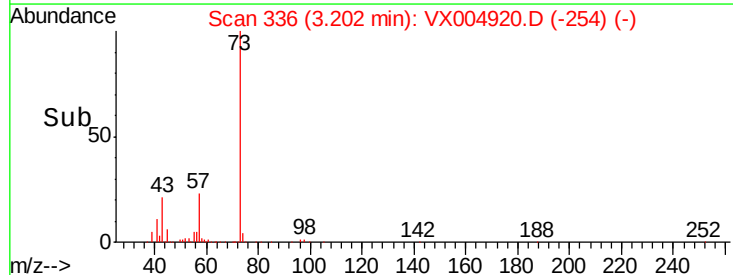
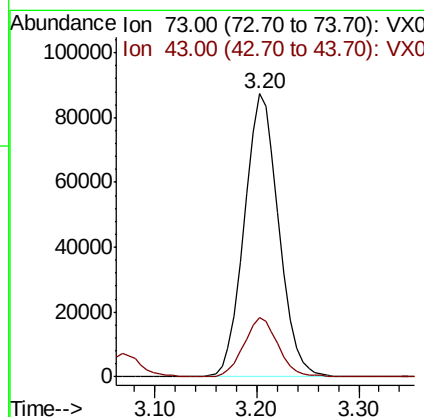
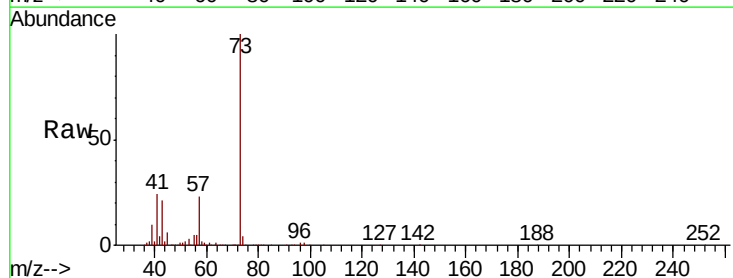
MMDadoda  
 10/3/2018 4:23:29 PM

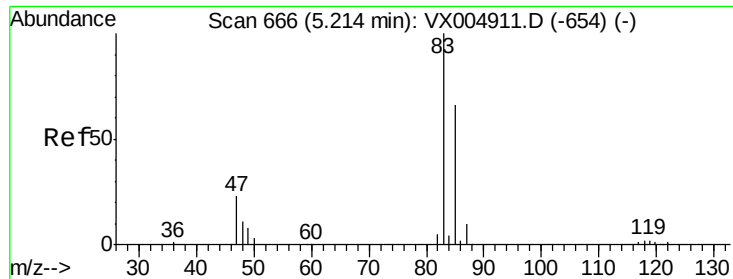


#24

Methyl tert-Butyl Ether  
 Concen: 19.396 ug/l  
 RT: 3.20 min Scan# 336  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 20.3  | 16.3  | 24.5  |





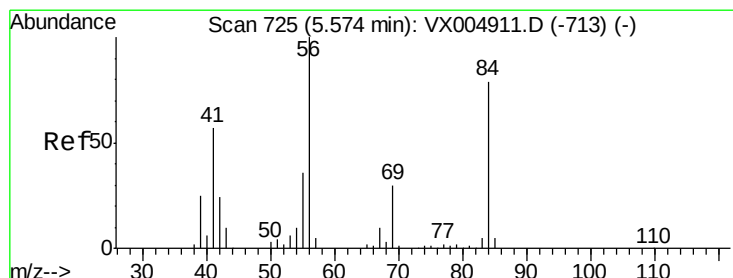
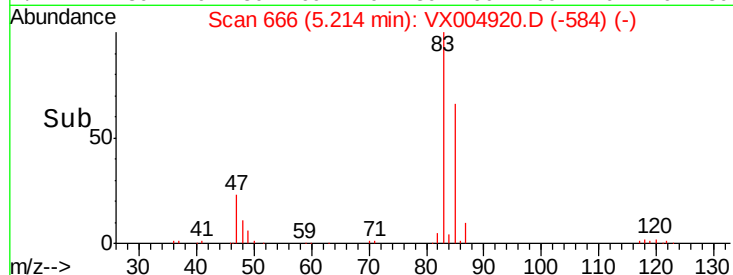
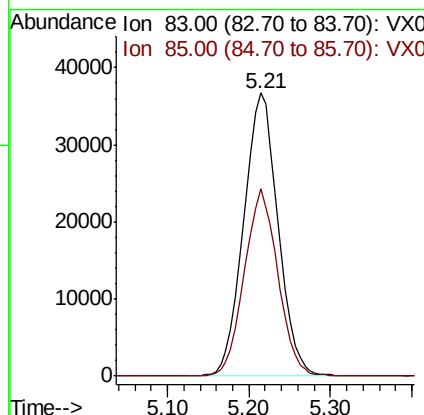
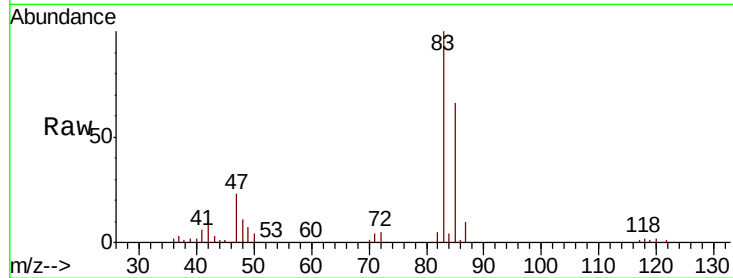
#25  
Chloroform  
Concen: 19.082 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tot Ion: 83 Resp: 107810  
Ion Ratio Lower Upper  
83 100  
85 66.1 53.1 79.7

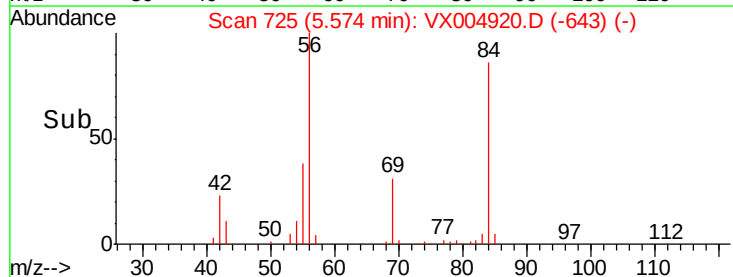
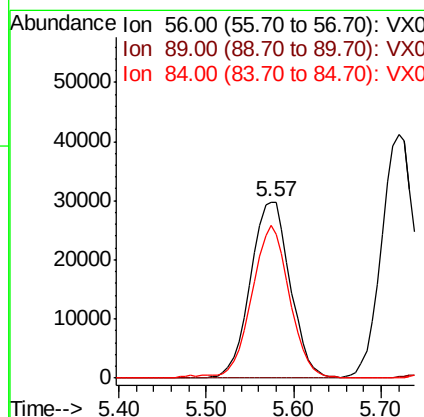
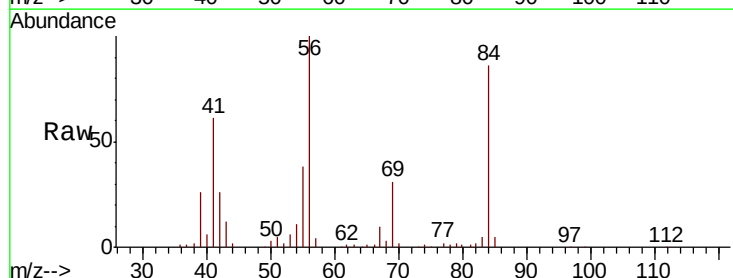
Manual Integrations  
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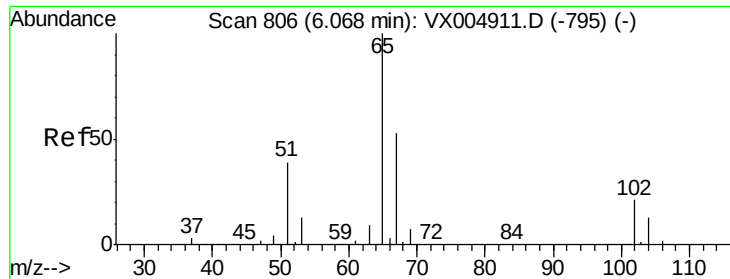
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#26  
Cyclohexane  
Concen: 18.262 ug/l  
RT: 5.57 min Scan# 725  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Tgt Ion: 56 Resp: 94080  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 81.8 65.8 98.6





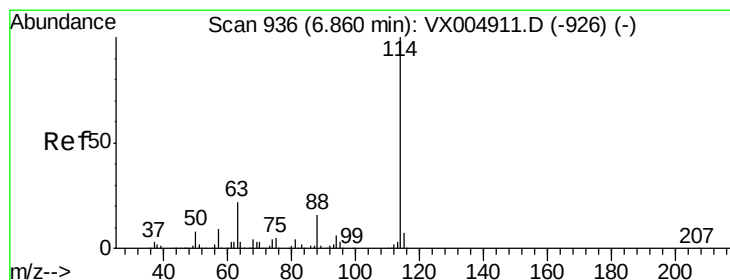
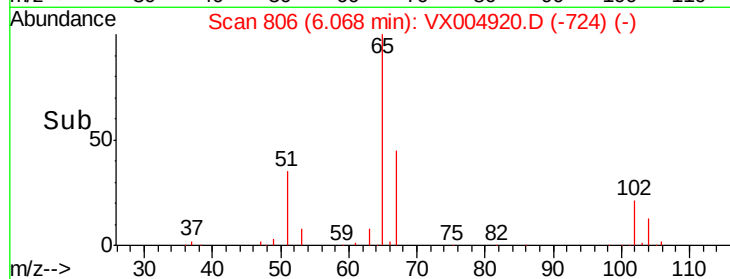
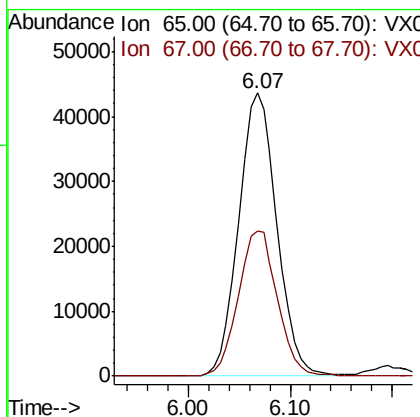
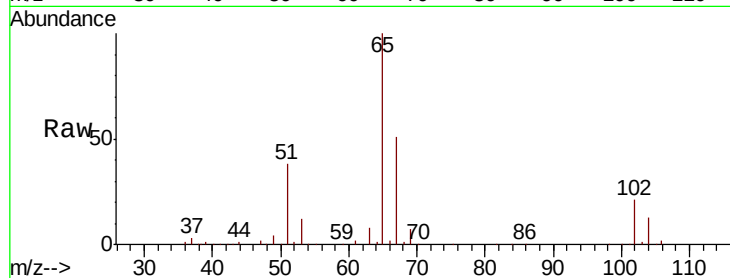
#27  
 1,2-Dichloroethane-d4  
 Concen: 29.651 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.7  | 43.0  | 64.6  |

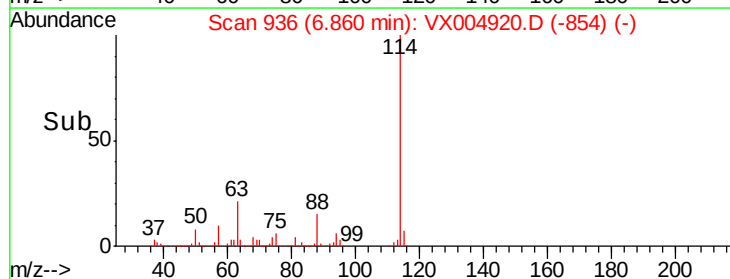
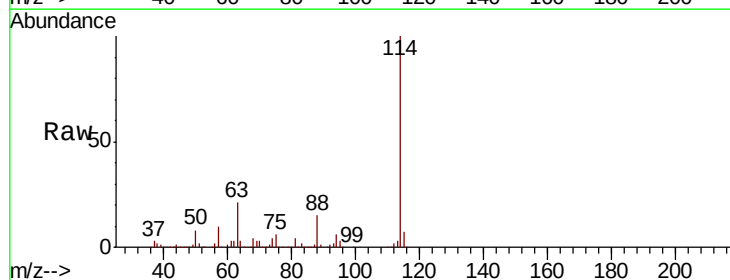
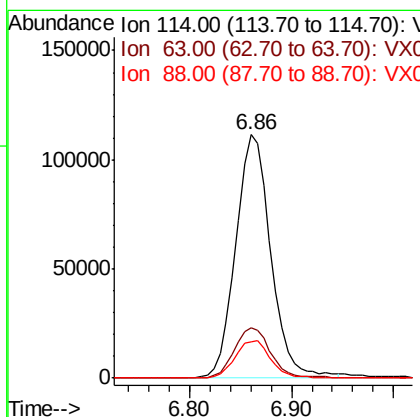
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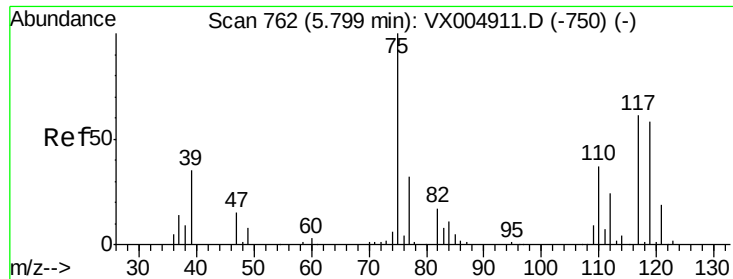
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#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.1  | 16.6  | 24.8  |
| 88      | 15.9  | 12.4  | 18.6  |





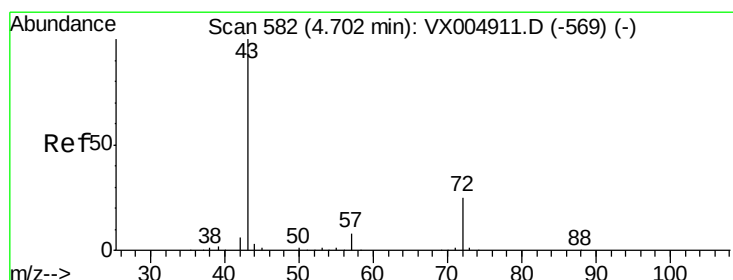
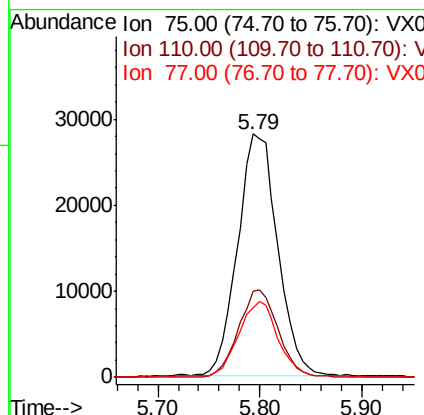
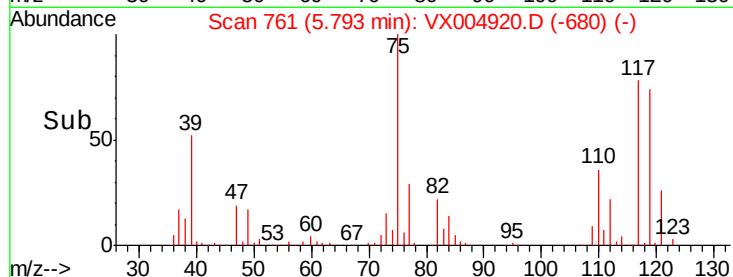
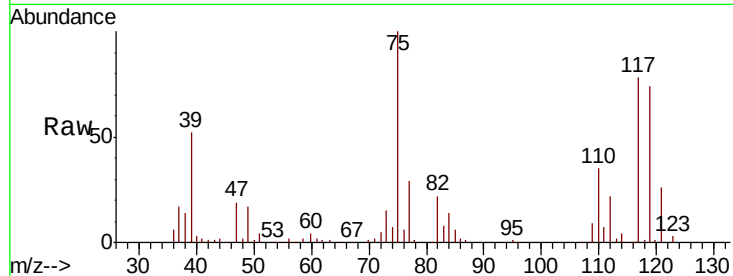
#29  
 1,1-Dichloropropene  
 Concen: 19.409 ug/l  
 RT: 5.79 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 75      | 100   |            |       |
| 110     | 35.9  | 0.0        | 70.8  |
| 77      | 31.3  | 0.0        | 63.0  |

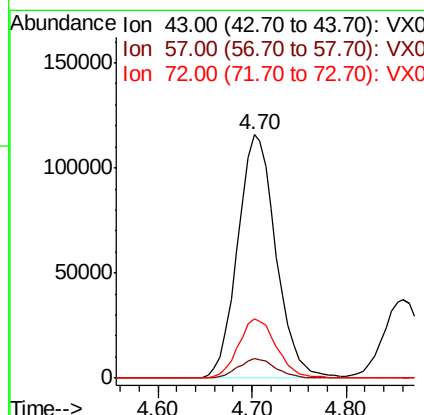
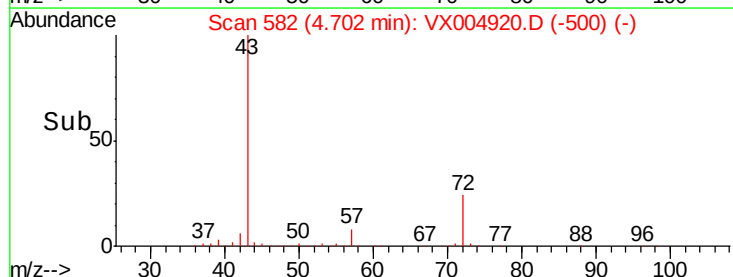
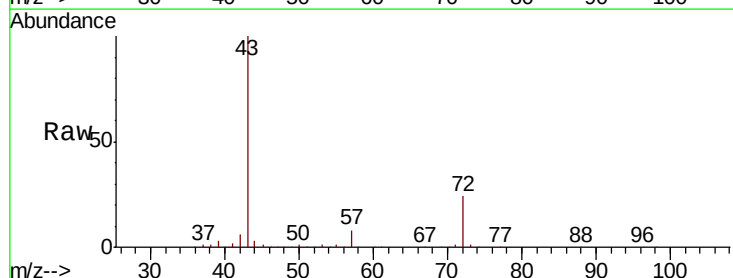
Manual Integrations  
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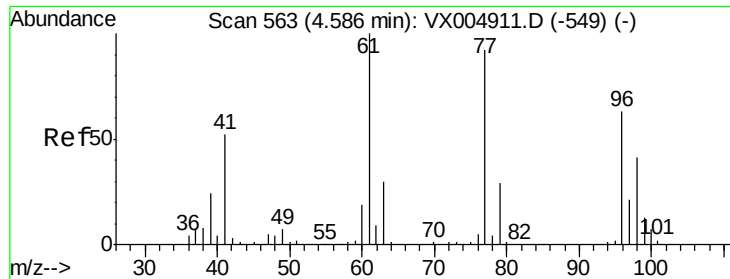
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 10/3/2018 4:23:29 PM



#30  
 2-Butanone  
 Concen: 101.840 ug/l  
 RT: 4.70 min Scan# 582  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 43      | 100   |            |       |
| 57      | 8.0   | 6.2        | 9.4   |
| 72      | 24.3  | 19.7       | 29.5  |





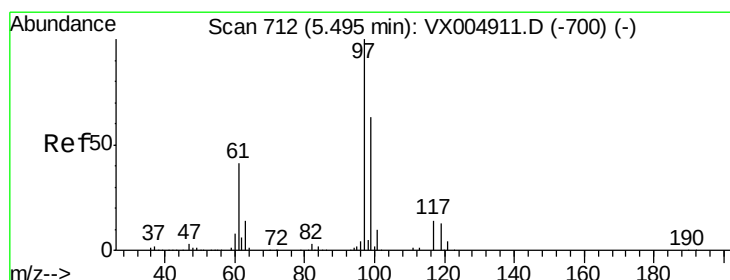
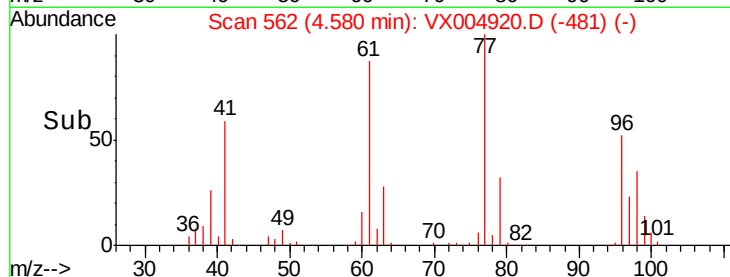
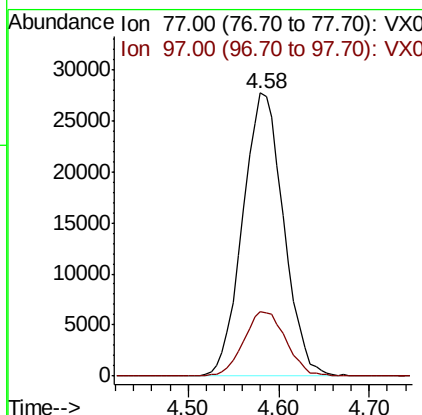
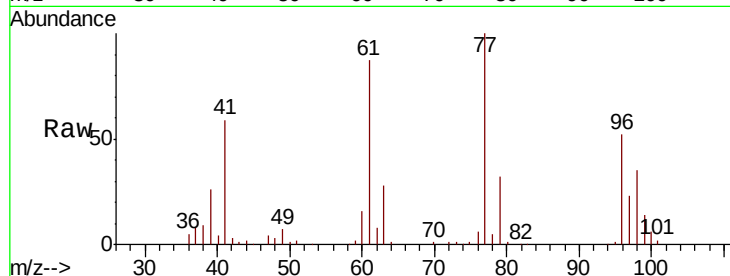
#31  
 2,2-Dichloropropane  
 Concen: 19.967 ug/l  
 RT: 4.58 min Scan# 562  
 Delta R.T. -0.01 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tot Ion: 77 Resp: 86439  
 Ion Ratio Lower Upper  
 77 100  
 97 23.6 18.5 27.7

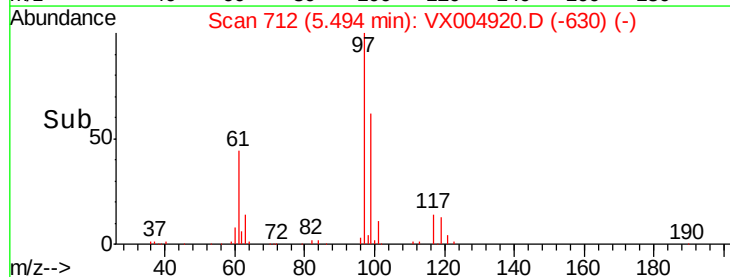
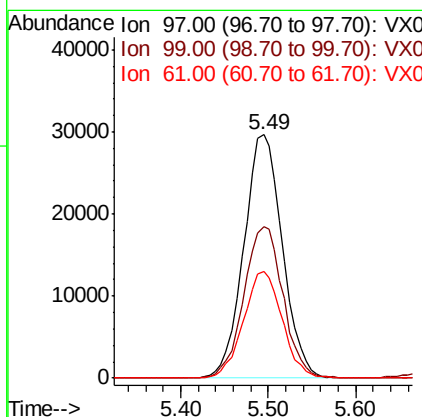
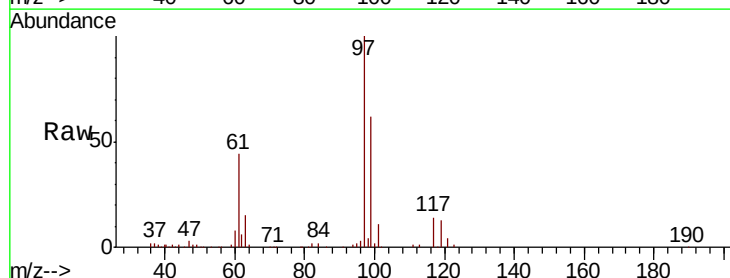
Manual Integrations  
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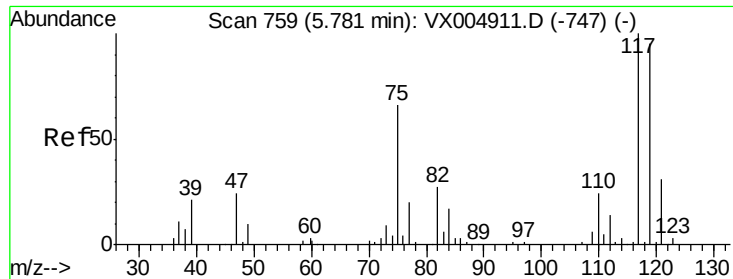
MMDadoda  
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#32  
 1,1,1-Trichloroethane  
 Concen: 20.047 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Tgt Ion: 97 Resp: 90926  
 Ion Ratio Lower Upper  
 97 100  
 99 63.0 51.0 76.6  
 61 43.9 35.8 53.6





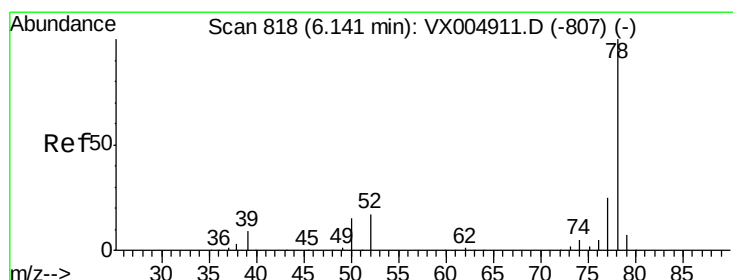
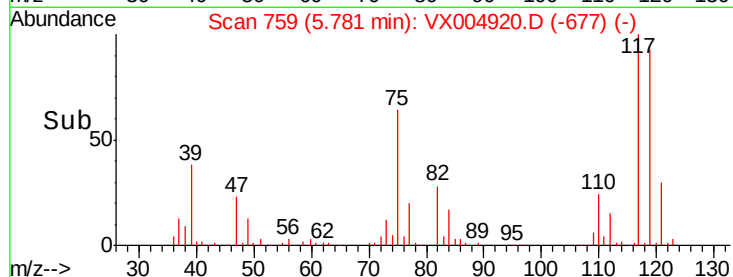
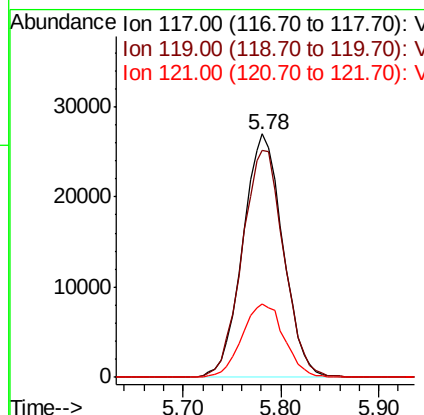
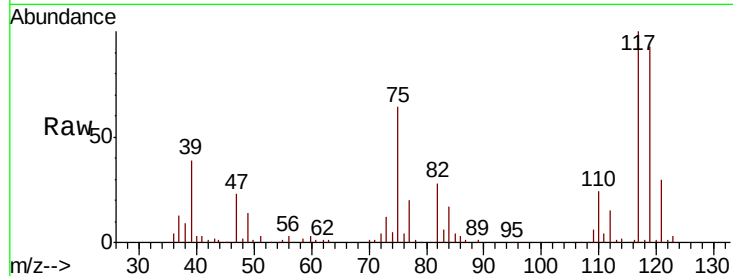
#33  
Carbon Tetrachloride  
Concen: 19.284 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 93.4  | 76.2  | 114.4 |
| 121     | 30.3  | 25.2  | 37.8  |

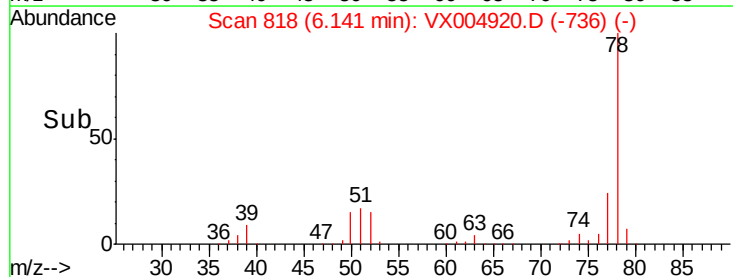
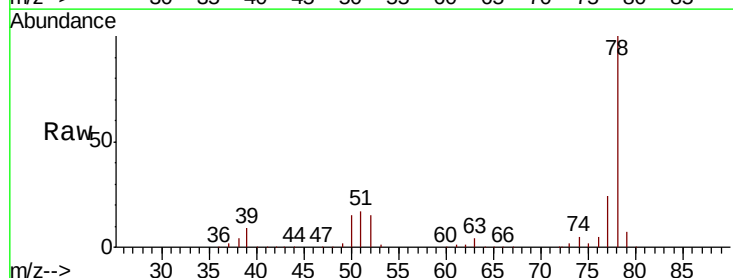
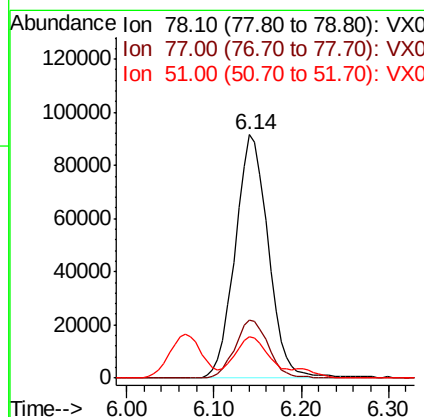
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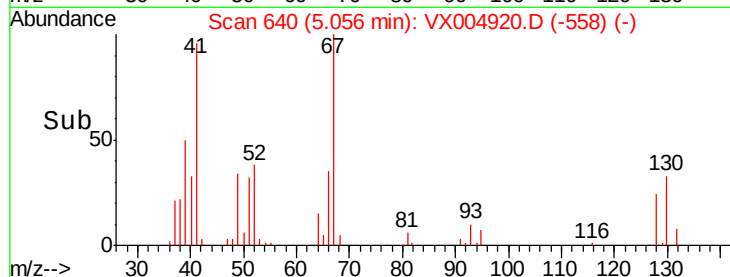
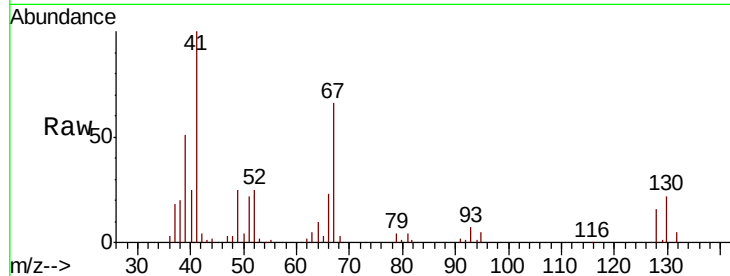
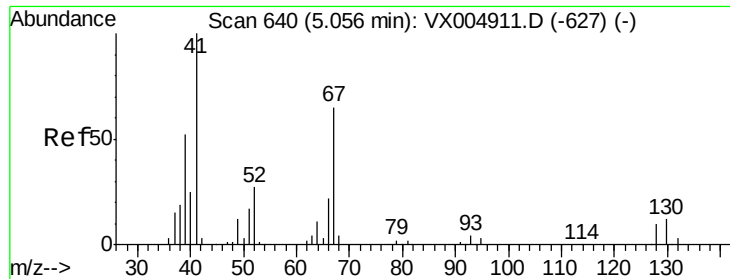
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#34  
Benzene  
Concen: 20.176 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.8  | 19.8  | 29.8  |
| 51      | 16.8  | 13.8  | 20.6  |





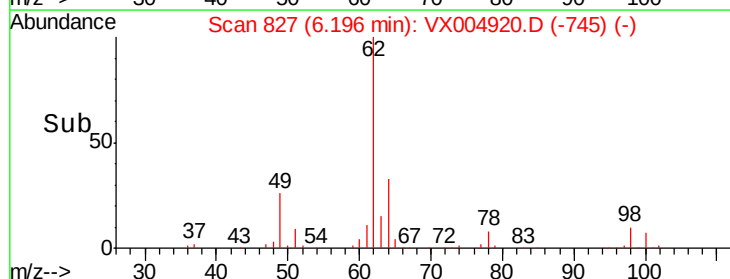
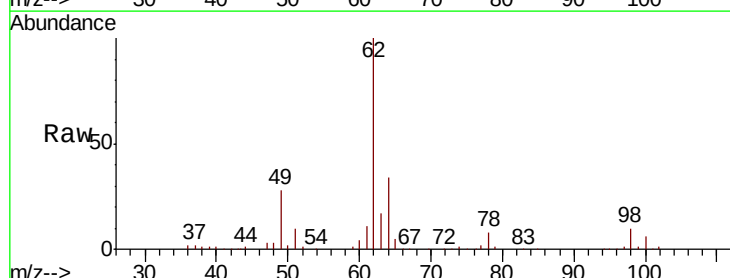
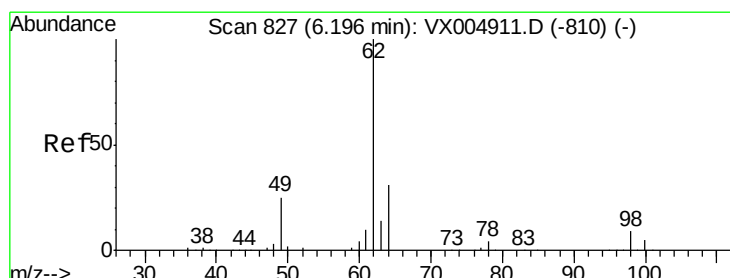
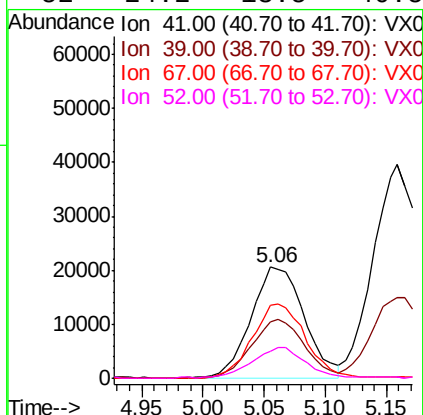
#35  
Methacrylonitrile  
Concen: 20.837 ug/l  
RT: 5.06 min Scan# 640  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 50.3 | 26.1  | 78.3  |       |
| 67      | 66.2 | 32.3  | 96.9  |       |
| 52      | 24.2 | 13.5  | 40.5  |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

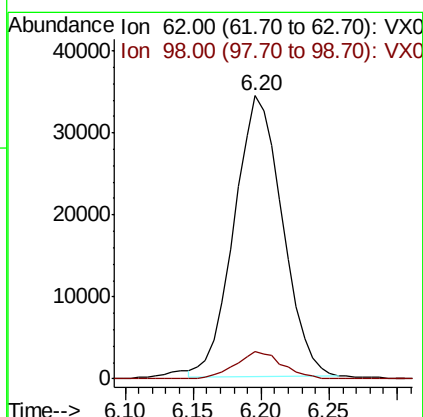
Manual Integrations  
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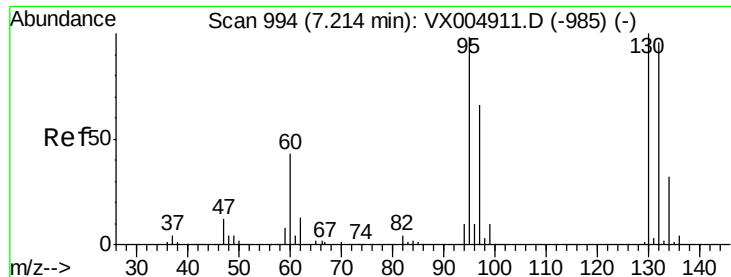
MMDadoda  
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#36  
1,2-Dichloroethane  
Concen: 19.785 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.7 | 7.5   | 11.3  |       |





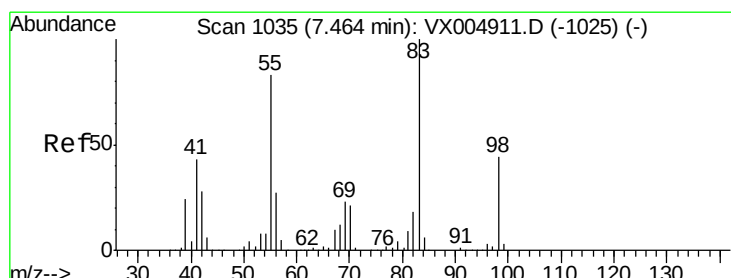
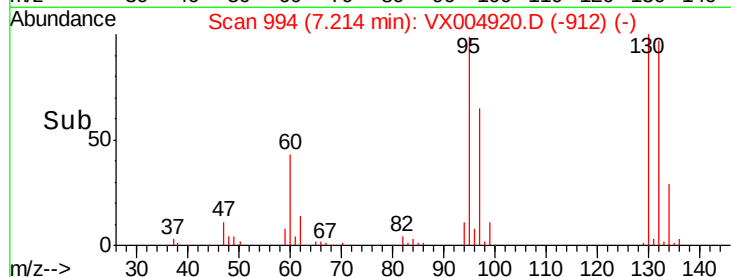
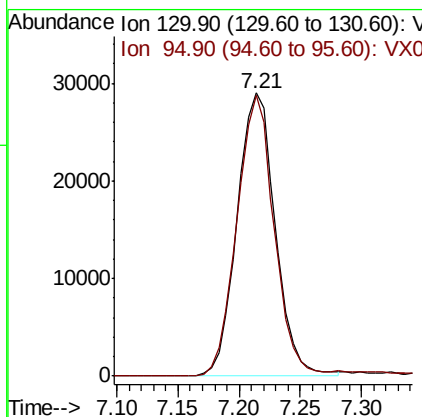
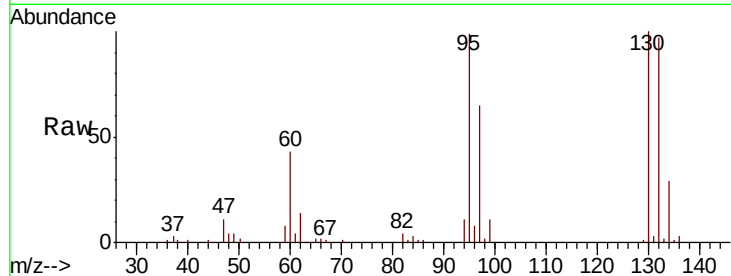
#37  
 Trichloroethene  
 Concen: 19.982 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tot Ion:130 Resp: 63020  
 Ion Ratio Lower Upper  
 130 100  
 95 99.4 78.5 117.7

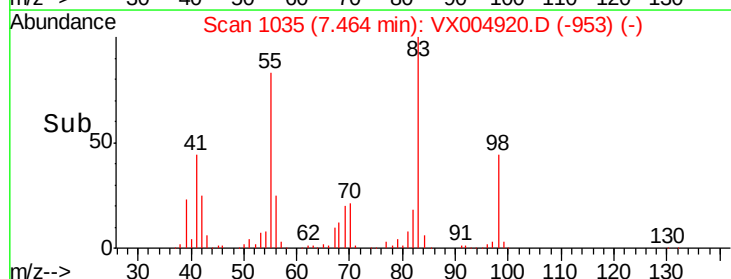
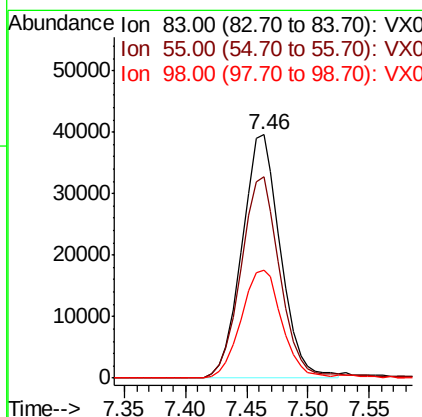
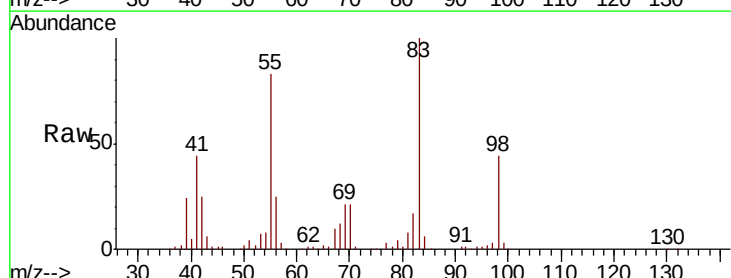
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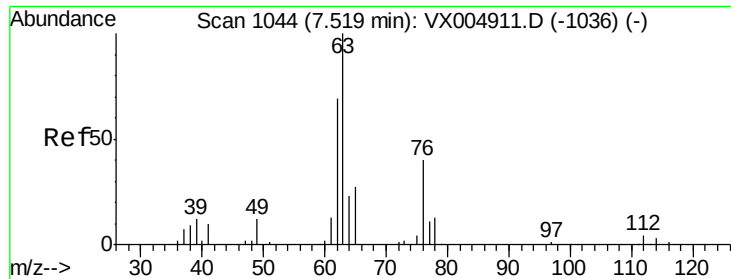


#38  
 Methylcyclohexane  
 Concen: 18.503 ug/l  
 RT: 7.46 min Scan# 1035  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Tgt Ion: 83 Resp: 86676  
 Ion Ratio Lower Upper  
 83 100  
 55 83.1 41.8 125.3  
 98 46.8 22.4 67.3







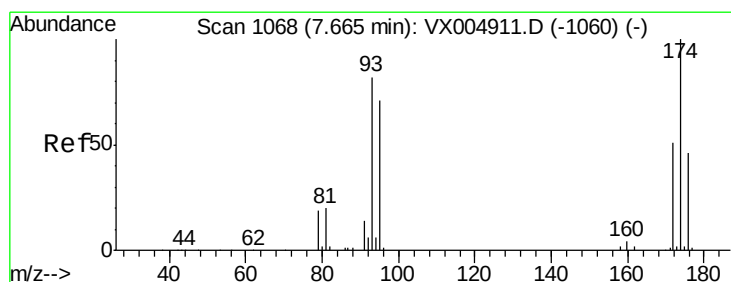
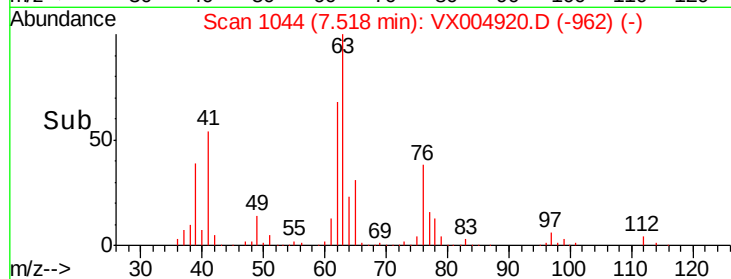
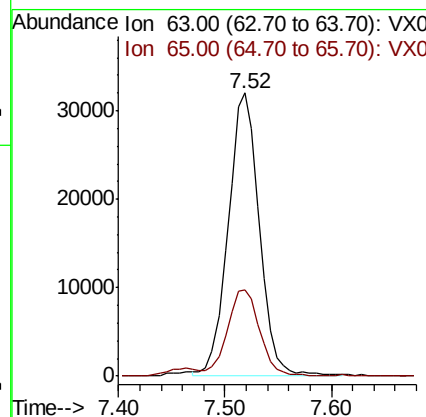
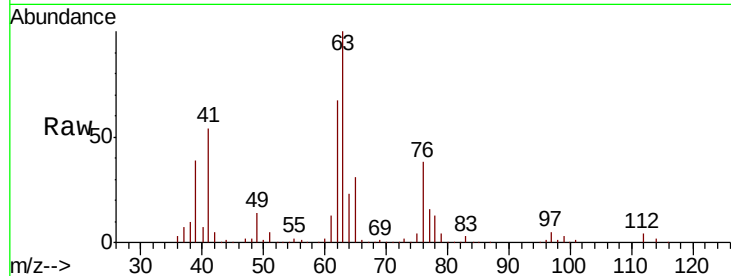
#39  
 1,2-Dichloropropane  
 Concen: 20.552 ug/l  
 RT: 7.52 min Scan# 1044  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.3  | 23.2  | 34.8  |

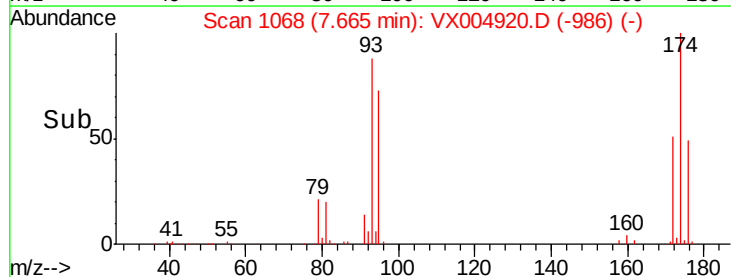
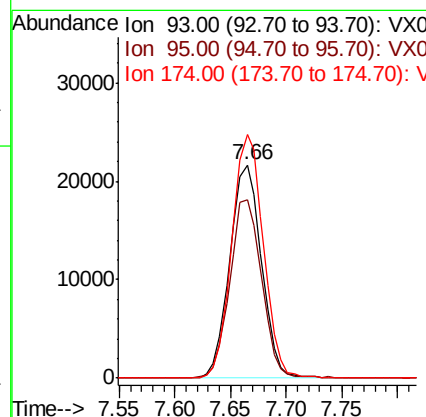
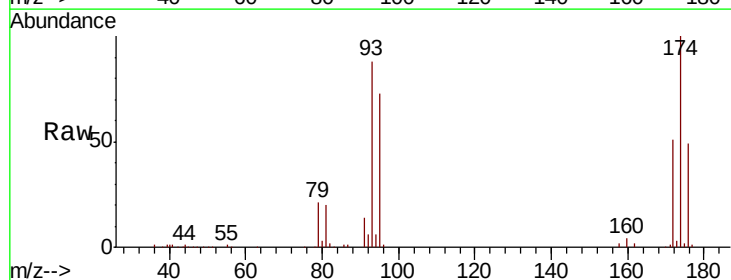
Manual Integrations  
 APPROVED

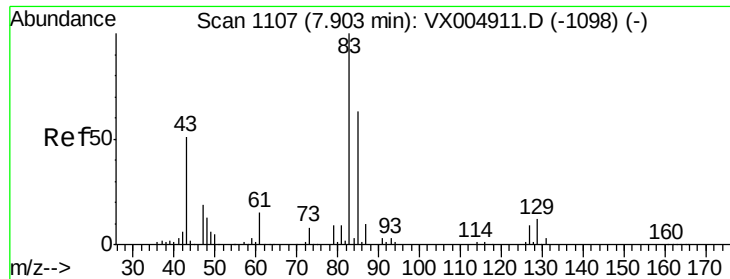
MMDadoda  
 10/3/2018 4:23:29 PM



#40  
 Dibromomethane  
 Concen: 20.660 ug/l  
 RT: 7.66 min Scan# 1068  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 84.1  | 0.0   | 172.4 |
| 174     | 113.9 | 0.0   | 234.0 |





#41

Bromodichloromethane

Concen: 19.990 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

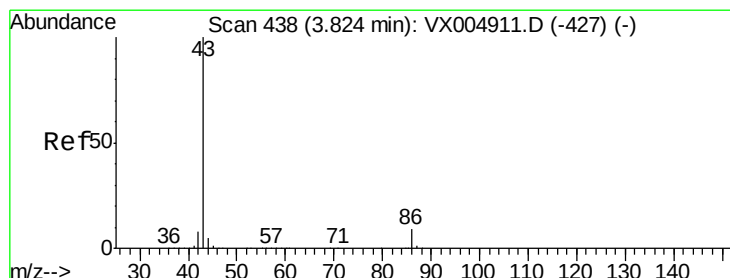
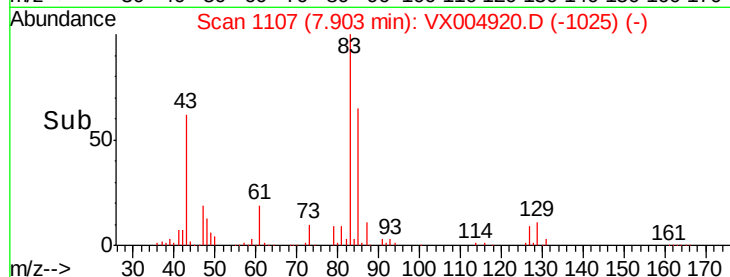
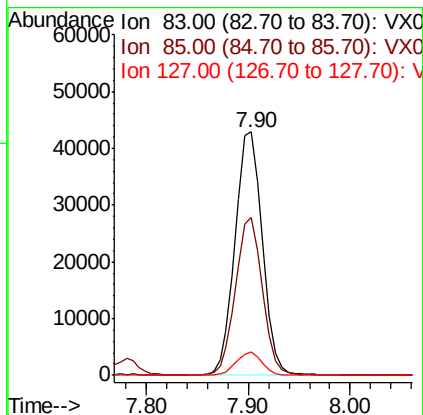
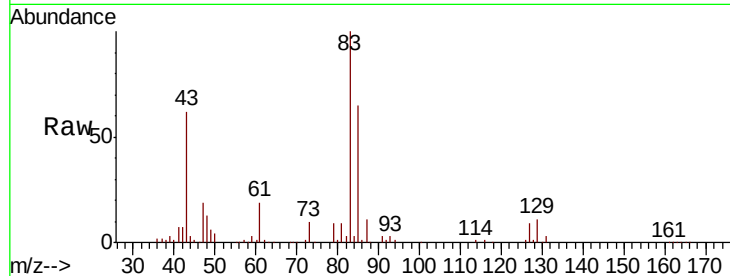
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 79683 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.6  | 50.2  | 75.4  |
| 127      | 9.4   | 6.9   | 10.3  |

Manual Integrations  
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#42

Vinyl Acetate

Concen: 105.301 ug/l

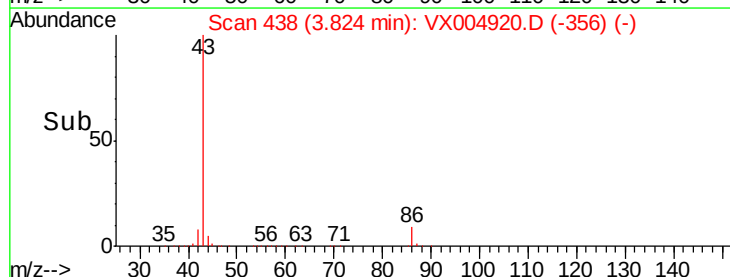
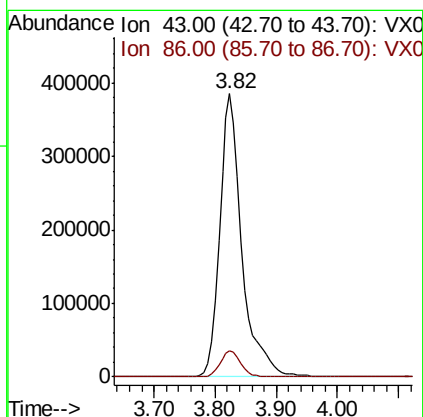
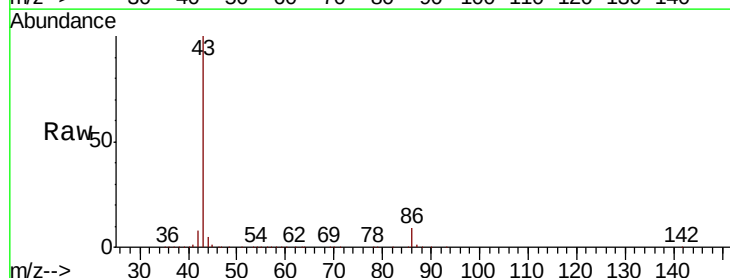
RT: 3.82 min Scan# 438

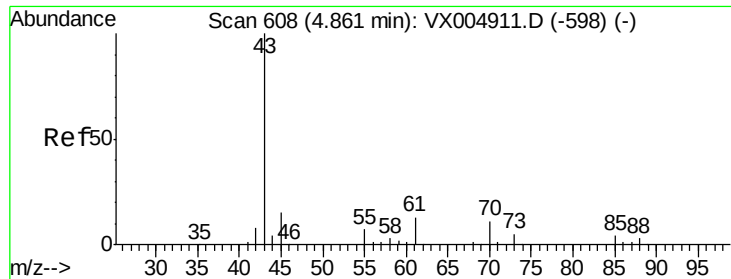
Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 977283 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 86       | 8.4   | 6.6   | 10.0   |





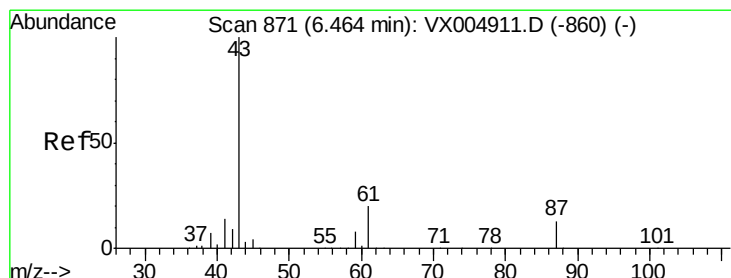
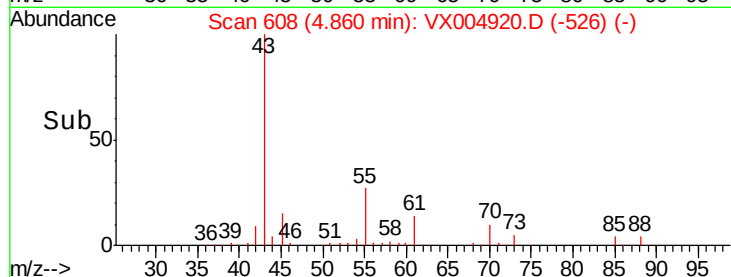
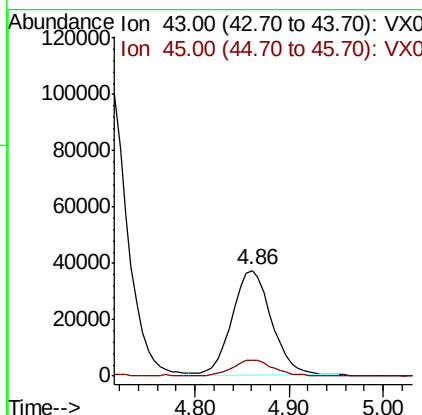
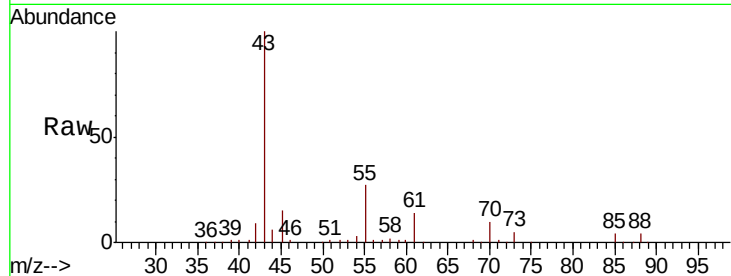
#43  
Ethyl Acetate  
Concen: 20.434 ug/l  
RT: 4.86 min Scan# 608  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tot Ion: 43 Resp: 108132  
Ion Ratio Lower Upper  
43 100  
45 15.2 12.3 18.5

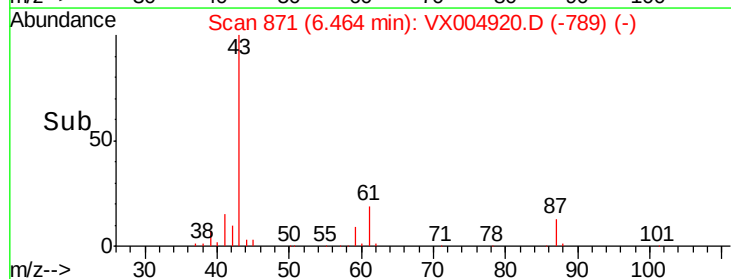
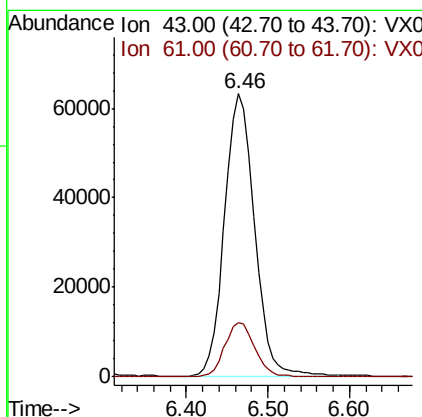
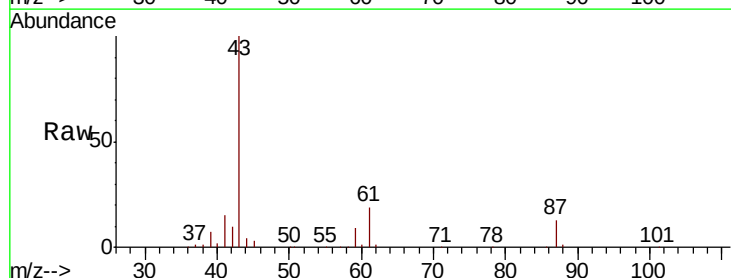
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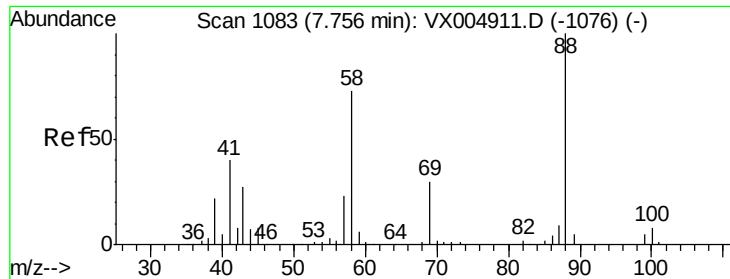
MMDadoda  
10/3/2018 4:23:29 PM



#44  
Isopropyl Acetate  
Concen: 20.345 ug/l  
RT: 6.46 min Scan# 871  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Tgt Ion: 43 Resp: 160662  
Ion Ratio Lower Upper  
43 100  
61 19.5 15.7 23.5





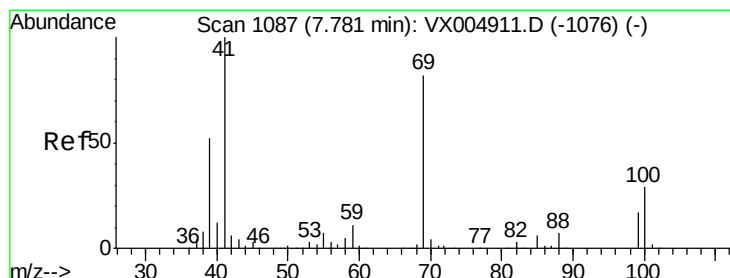
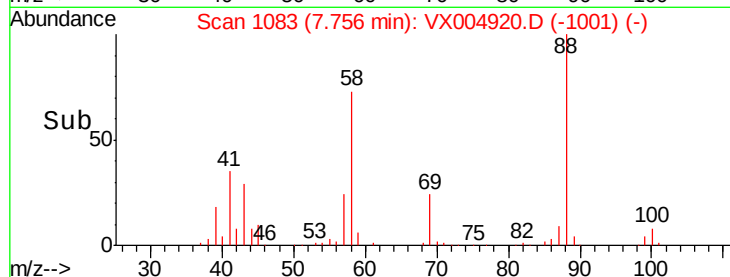
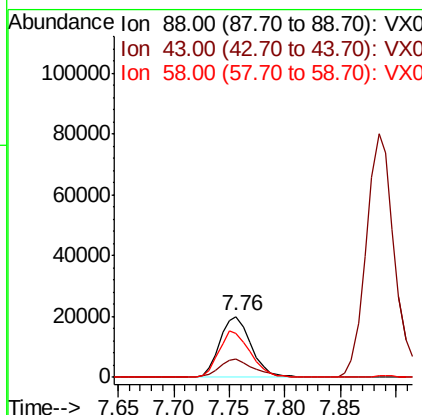
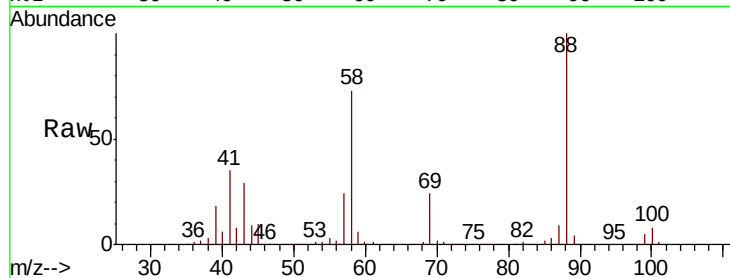
#45  
 1,4-Dioxane  
 Concen: 424.015 ug/l  
 RT: 7.76 min Scan# 1083  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.4  | 25.4  | 38.0  |
| 58      | 75.3  | 61.0  | 91.6  |

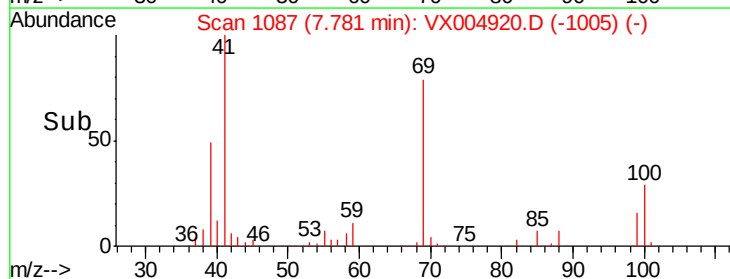
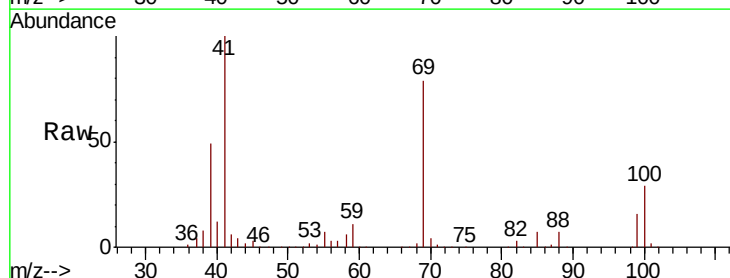
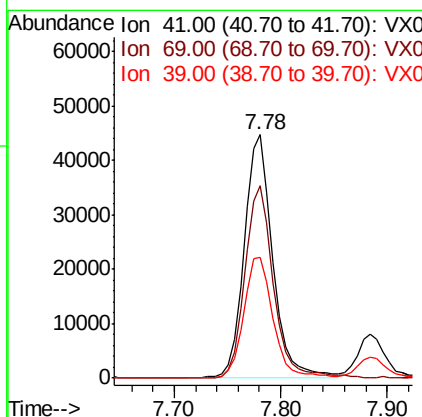
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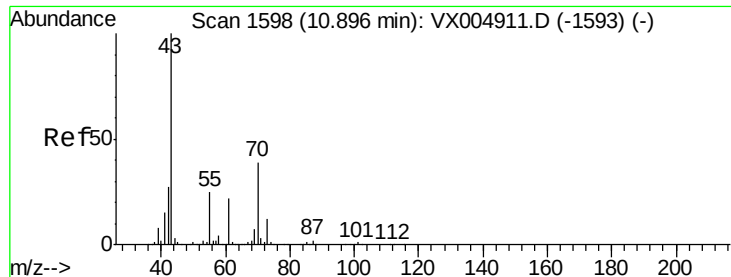
MMDadoda  
 10/3/2018 4:23:29 PM



#46  
 Methyl methacrylate  
 Concen: 20.413 ug/l  
 RT: 7.78 min Scan# 1087  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 79.1  | 41.0  | 123.0 |
| 39      | 49.2  | 25.9  | 77.7  |





#47

n-amvl Acetate

Concen: 19.012 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 138519

Ion Ratio Lower Upper

43 100

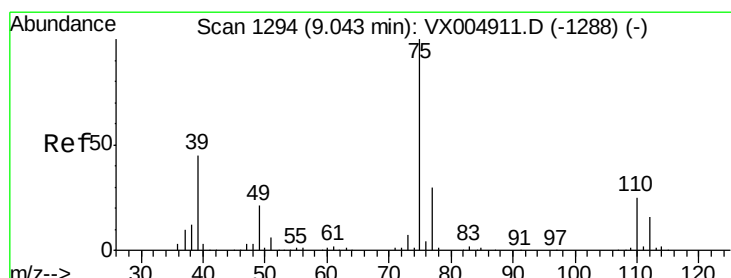
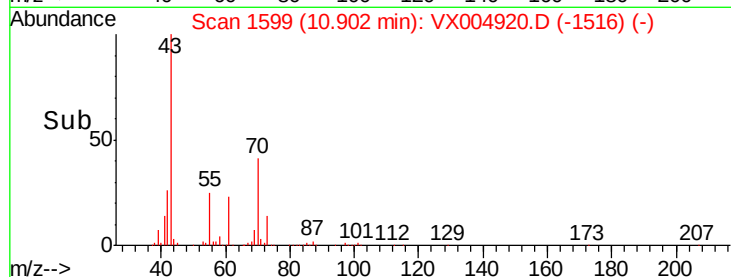
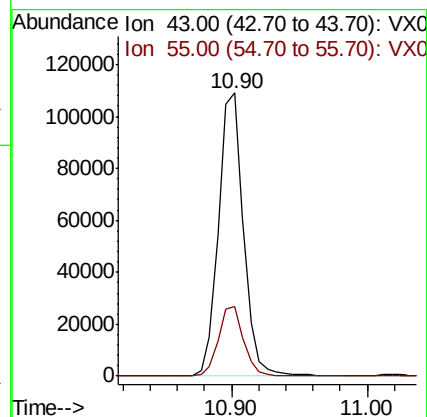
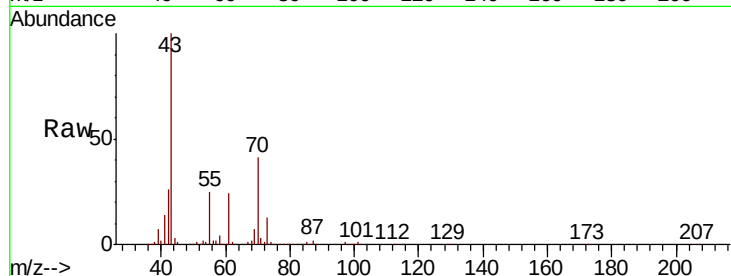
55 25.2 20.0 30.0

Manual Integrations

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MMDadoda

10/3/2018 4:23:29 PM



#48

t-1,3-Dichloropropene

Concen: 19.510 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004920.D

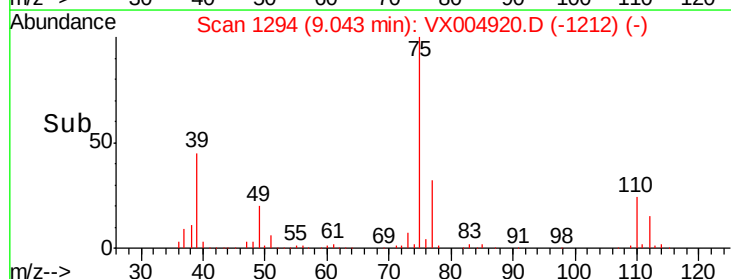
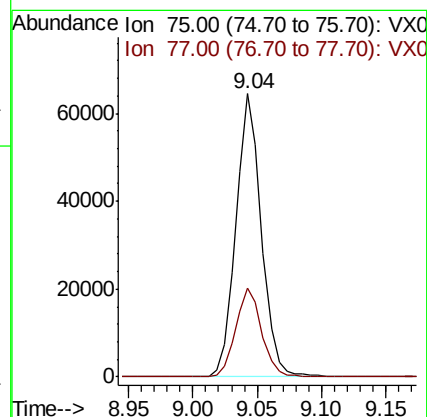
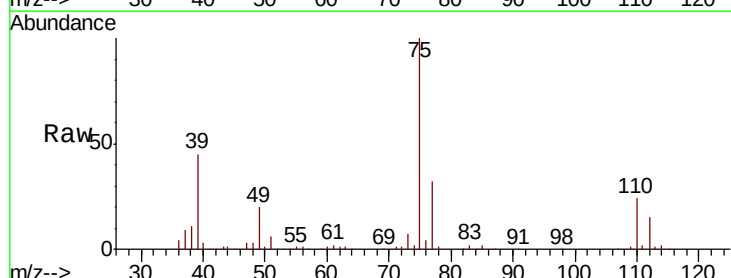
Acq: 02 Oct 2018 15:39

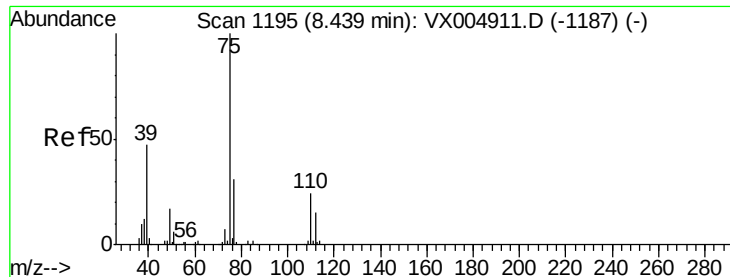
Tgt Ion: 75 Resp: 88970

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6





#49

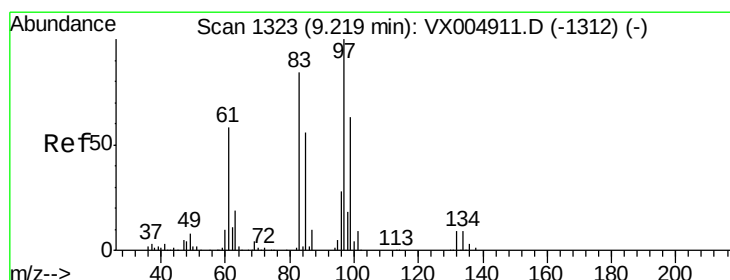
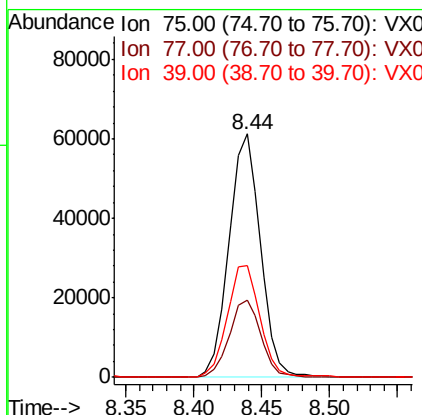
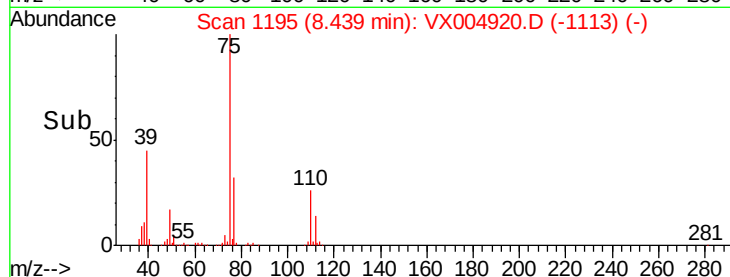
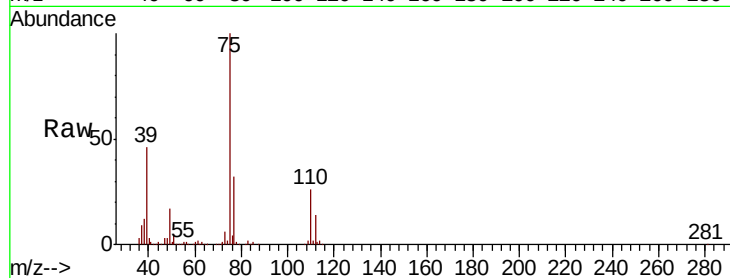
cis-1,3-Dichloropropene  
 Concen: 19.905 ug/l  
 RT: 8.44 min Scan# 1195  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 75    | Resp: | 98391 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 31.7  | 24.9  | 37.3  |
| 39        | 45.5  | 38.0  | 57.0  |

Manual Integrations  
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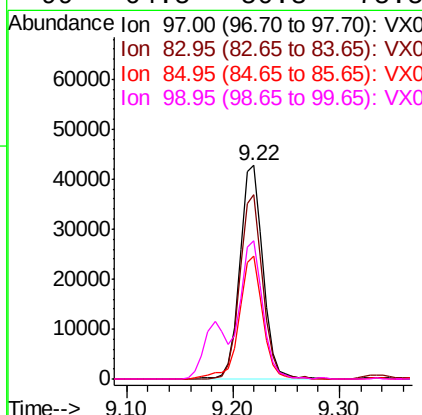
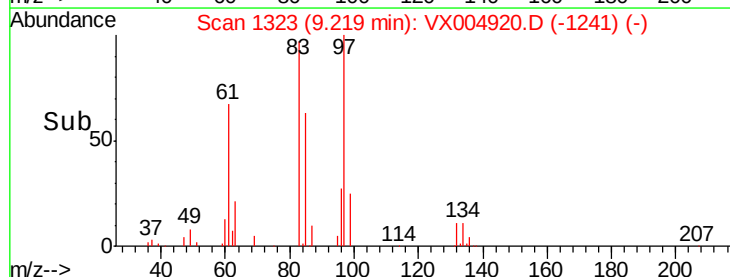
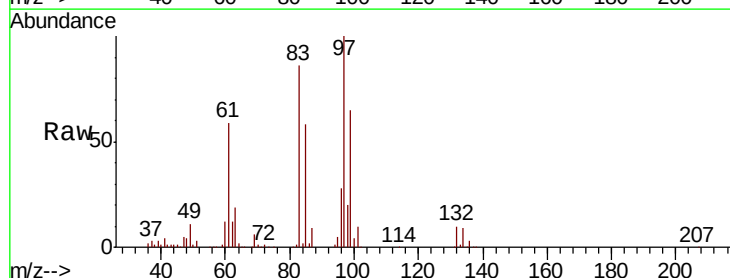
MMDadoda  
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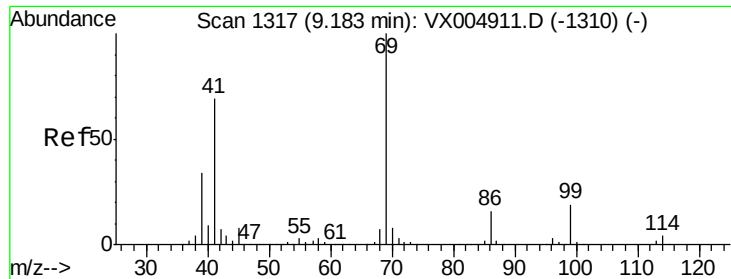


#50

1,1,2-Trichloroethane  
 Concen: 20.825 ug/l  
 RT: 9.22 min Scan# 1323  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 65192 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 83        | 86.4  | 67.2  | 100.8 |
| 85        | 57.5  | 44.7  | 67.1  |
| 99        | 64.5  | 50.3  | 75.5  |





#51

Ethyl methacrylate

Concen: 19.576 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

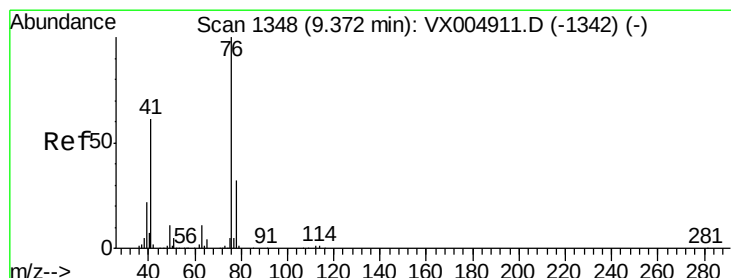
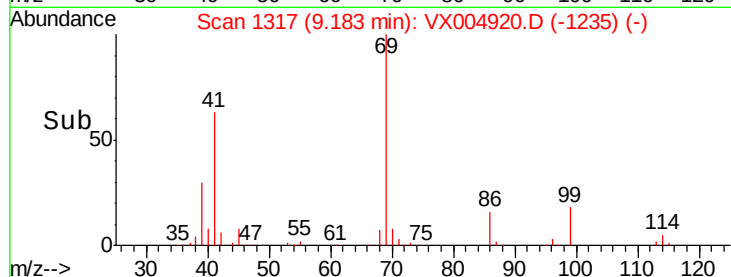
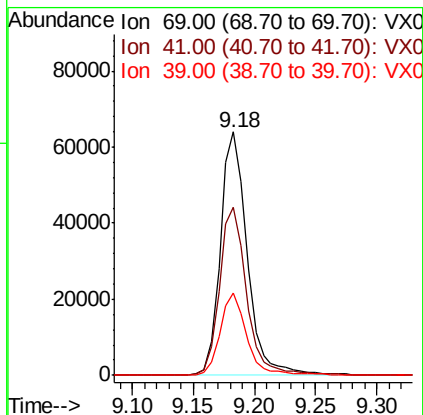
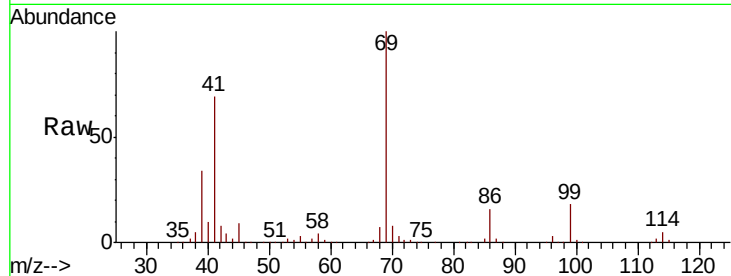
ClientSampleId :

VSTDCCC020EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 69    | Resp: | 97258 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 68.6  | 34.6  | 103.9 |
| 39       | 33.4  | 17.0  | 51.0  |

Manual Integrations  
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10/3/2018 4:23:29 PM



#52

1,3-Dichloropropane

Concen: 20.296 ug/l

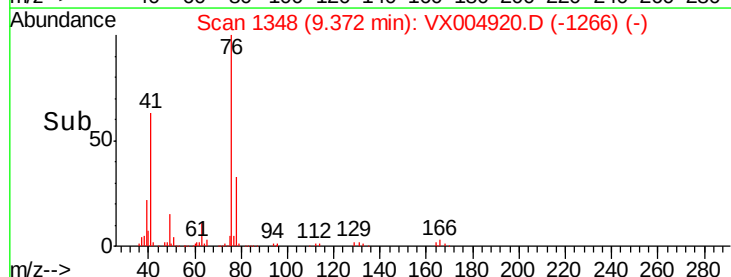
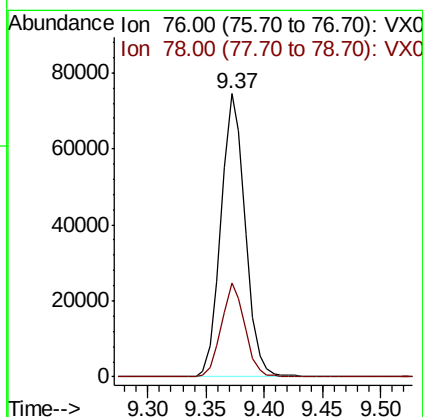
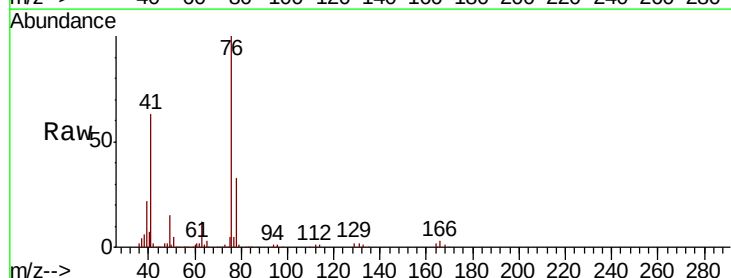
RT: 9.37 min Scan# 1348

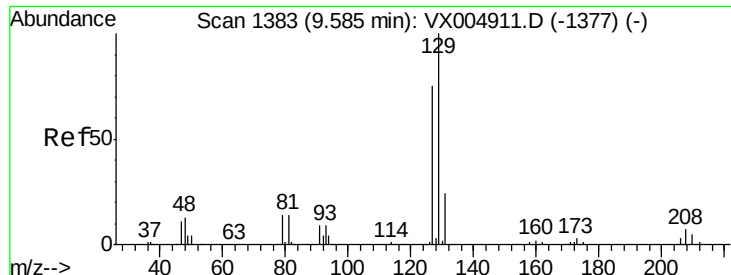
Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 76    | Resp: | 107190 |
| Ion      | Ratio | Lower | Upper  |
| 76       | 100   |       |        |
| 78       | 32.2  | 0.0   | 64.4   |





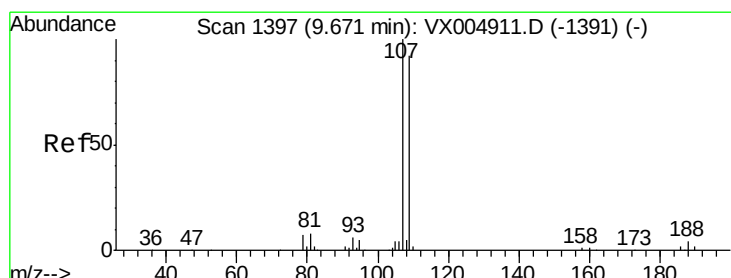
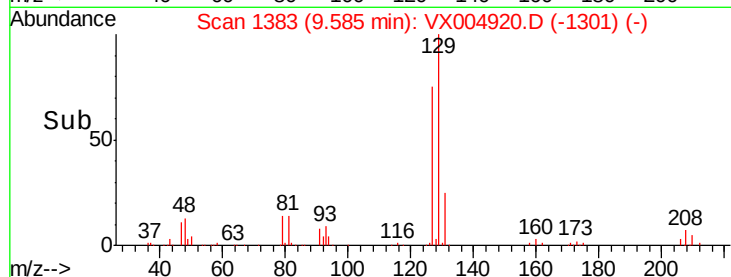
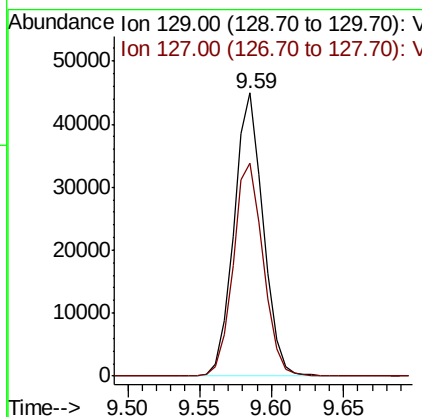
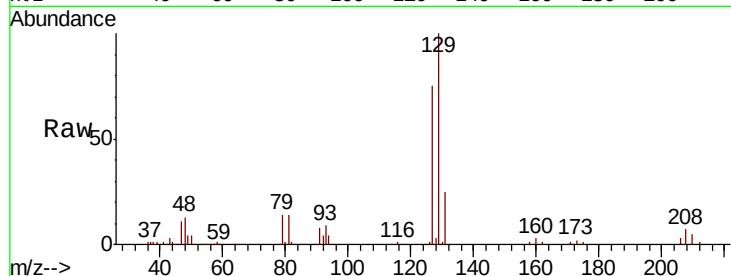
#53  
 Dibromochloromethane  
 Concen: 19.566 ug/l  
 RT: 9.59 min Scan# 1383  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Tot Ion:129 Resp: 63548  
 Ion Ratio Lower Upper  
 129 100  
 127 77.2 38.3 114.9

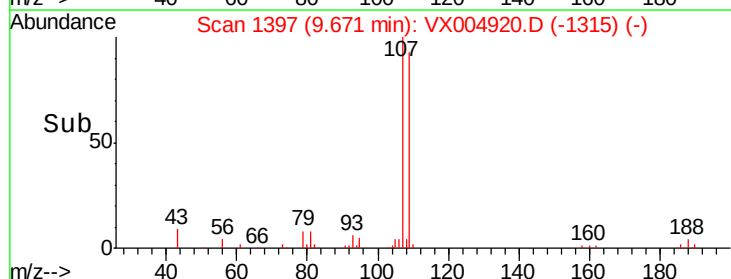
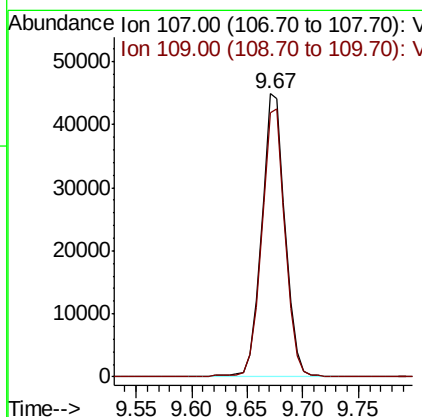
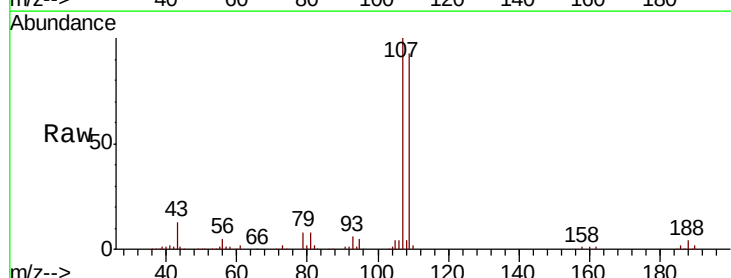
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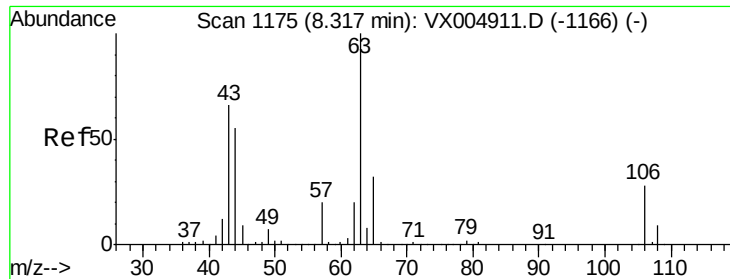


#54  
 1,2-Dibromoethane  
 Concen: 20.305 ug/l  
 RT: 9.67 min Scan# 1397  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Tgt Ion:107 Resp: 66245  
 Ion Ratio Lower Upper  
 107 100  
 109 94.0 74.8 112.2







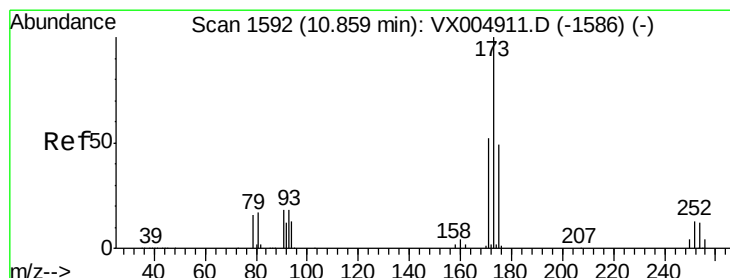
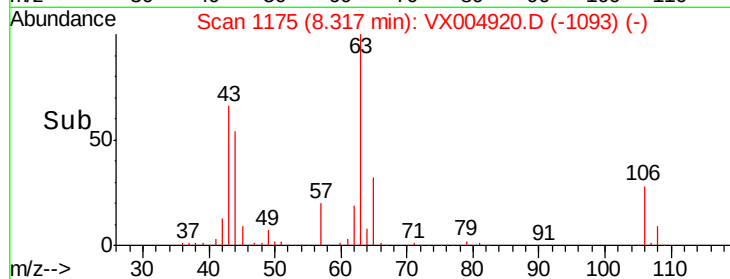
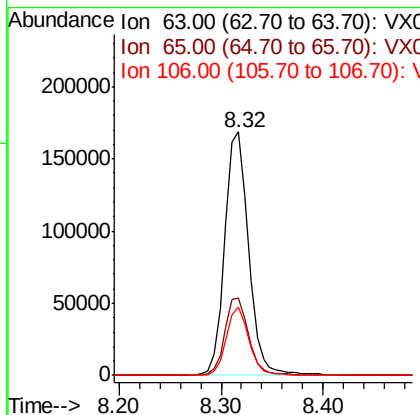
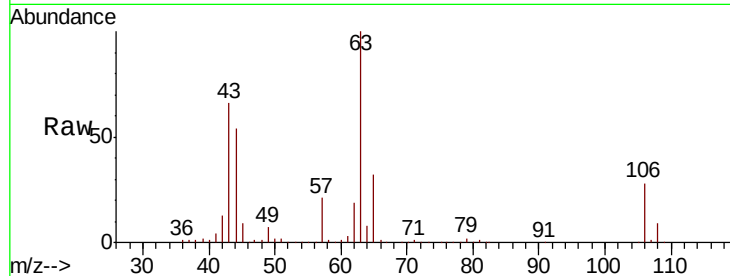
#55  
 2-Chloroethyl vinyl ether  
 Concen: 104.465 ug/l  
 RT: 8.32 min Scan# 1175  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 63    | Resp: | 273862 |
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 65        | 31.6  | 25.9  | 38.9   |
| 106       | 26.7  | 21.8  | 32.6   |

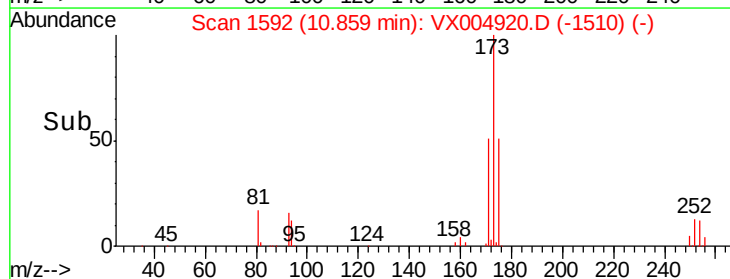
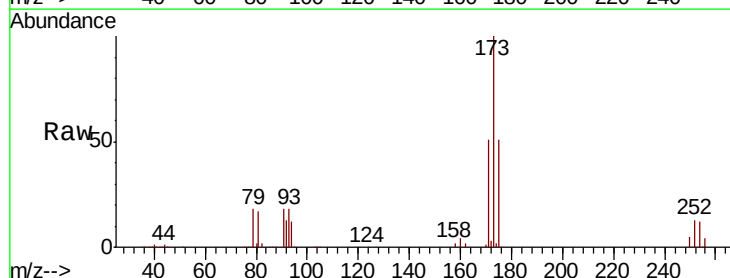
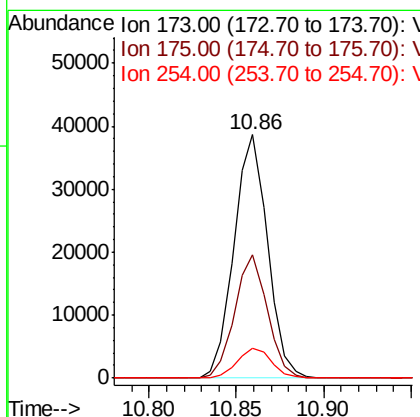
Manual Integrations  
 APPROVED

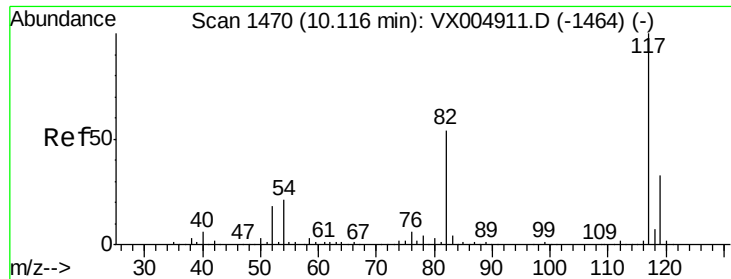
MMDadoda  
 10/3/2018 4:23:29 PM



#56  
 Bromoform  
 Concen: 19.025 ug/l  
 RT: 10.86 min Scan# 1592  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 51604 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.4  | 39.7  | 59.5  |
| 254       | 12.5  | 9.6   | 14.4  |





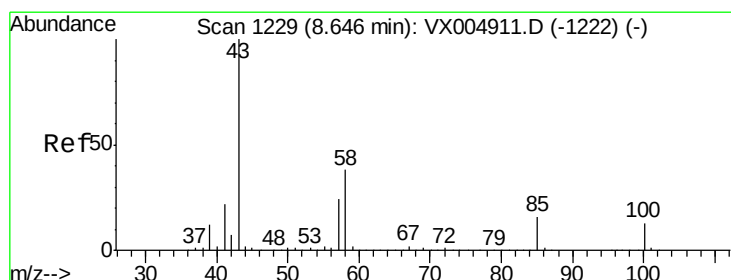
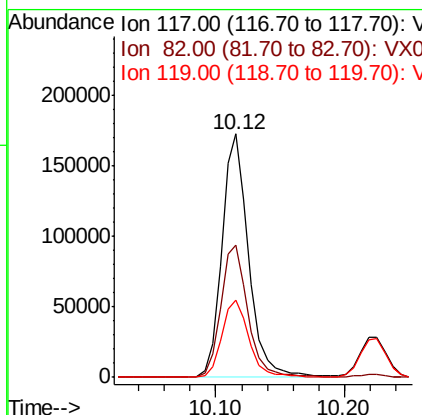
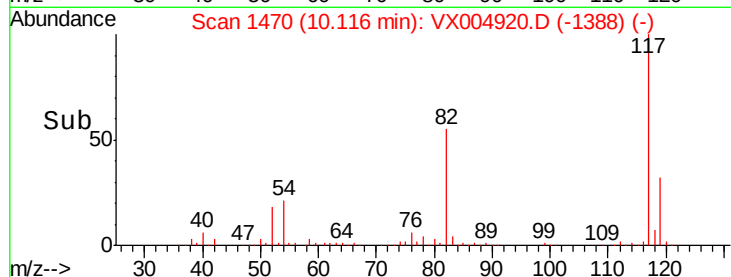
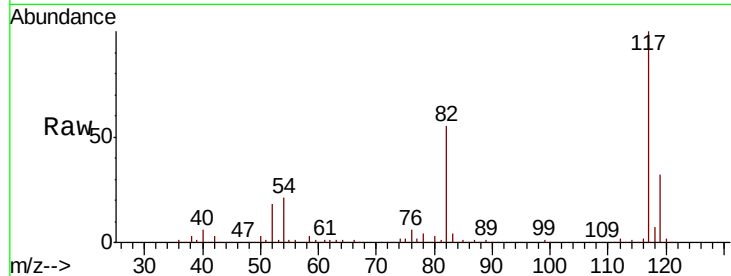
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.3  | 44.2  | 66.4  |
| 119     | 32.5  | 25.8  | 38.6  |

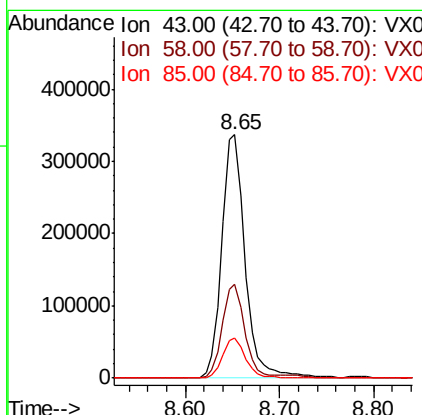
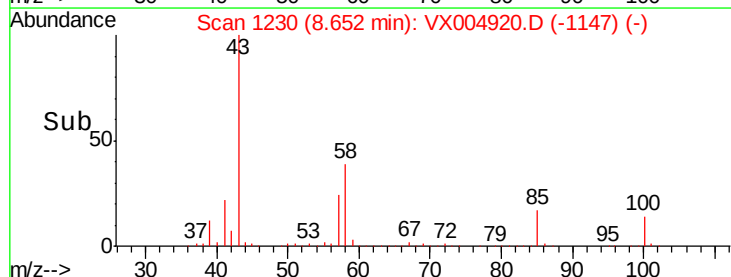
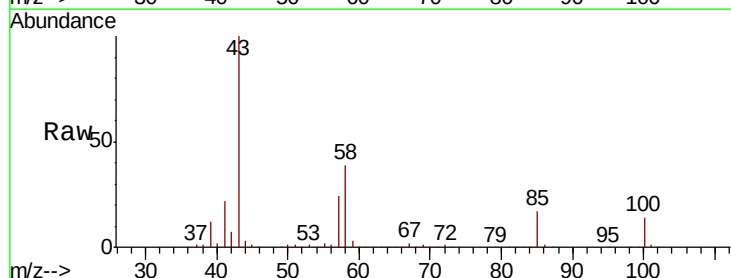
Manual Integrations  
APPROVED

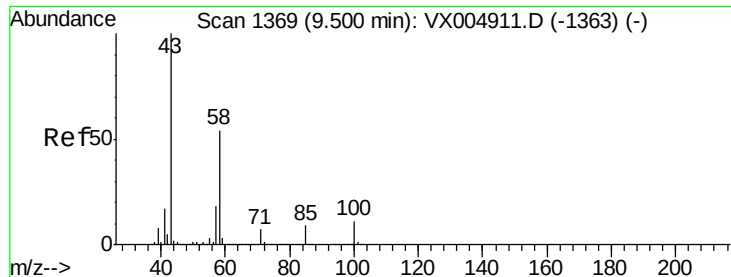
MMDadoda  
10/3/2018 4:23:29 PM



#58  
4-Methyl-2-Pentanone  
Concen: 103.304 ug/l  
RT: 8.65 min Scan# 1230  
Delta R.T. 0.01 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.7  | 30.8  | 46.2  |
| 85      | 16.5  | 13.1  | 19.7  |





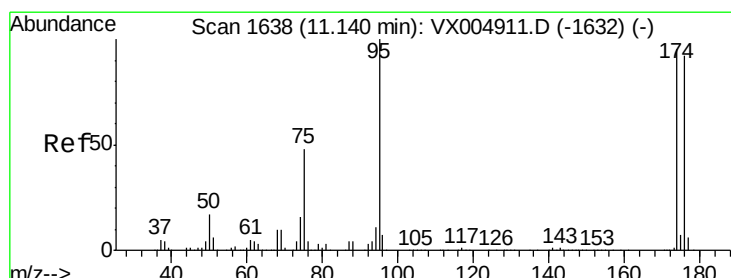
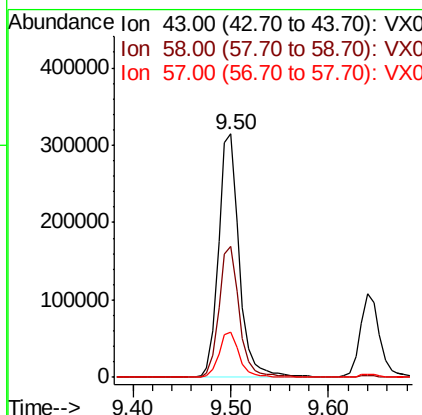
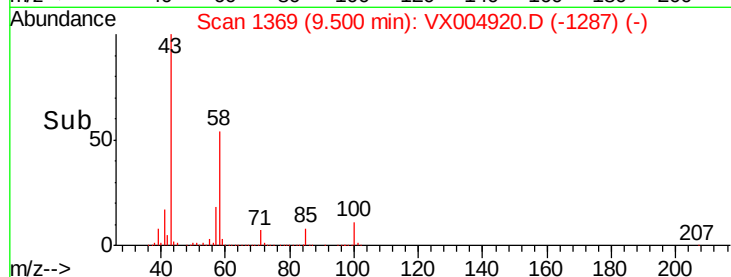
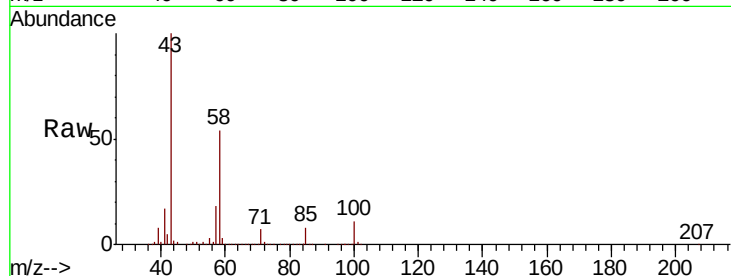
#59  
2-Hexanone  
Concen: 99.532 ug/l  
RT: 9.50 min Scan# 1369  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 53.0  | 42.7  | 64.1  |
| 57      | 18.3  | 14.6  | 22.0  |

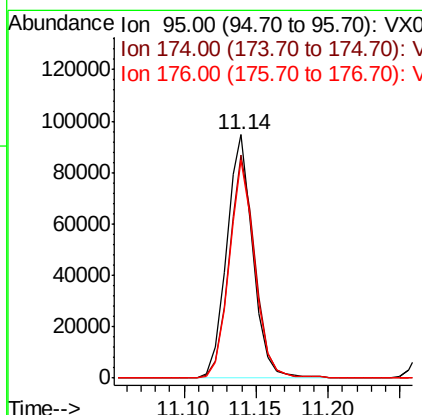
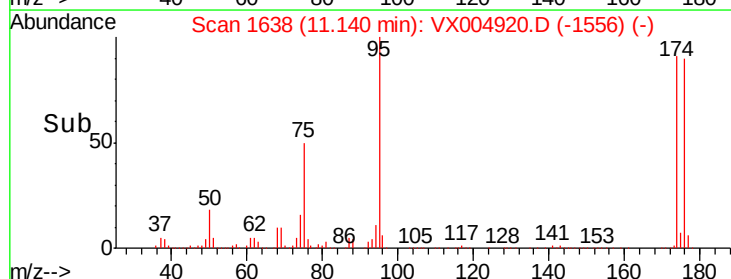
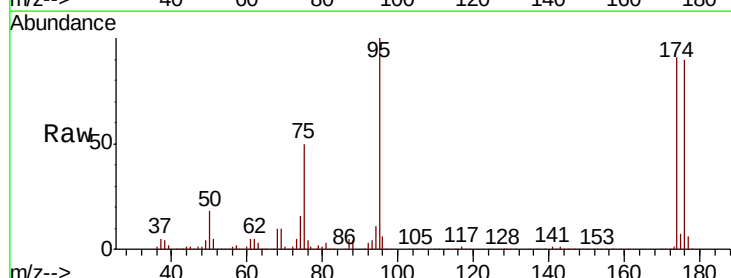
Manual Integrations  
APPROVED

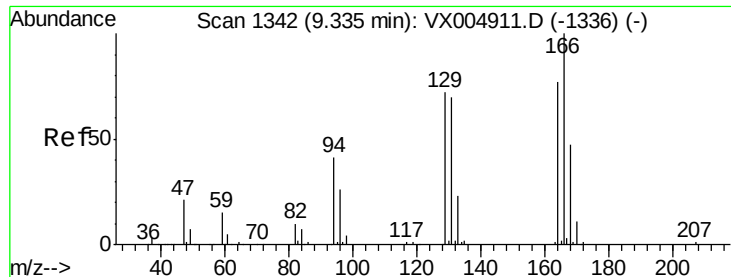
MMDadoda  
10/3/2018 4:23:29 PM



#60  
4-Bromofluorobenzene  
Concen: 29.254 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.2  | 73.1  | 109.7 |
| 176     | 87.3  | 71.0  | 106.6 |





#61

Tetrachloroethene

Concen: 20.228 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 61584

Ion Ratio Lower Upper

164 100

166 127.3 104.0 156.0

129 88.2 75.1 112.7

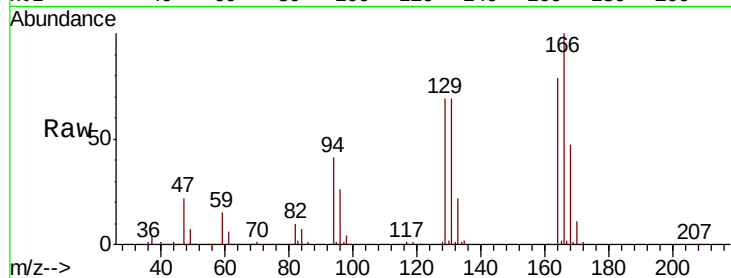
131 87.2 72.5 108.7

Manual Integrations

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MMDadoda

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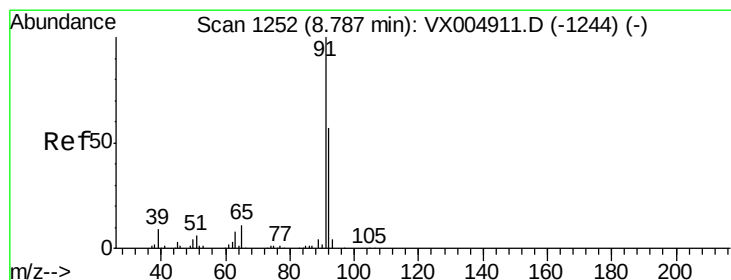
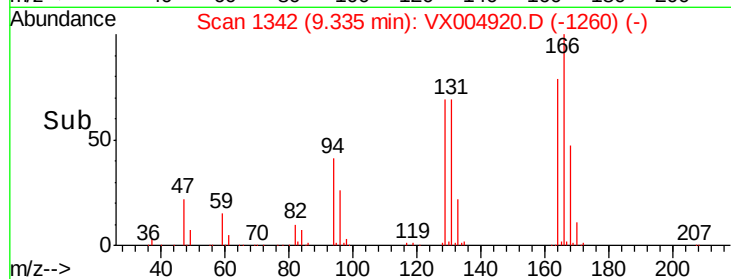
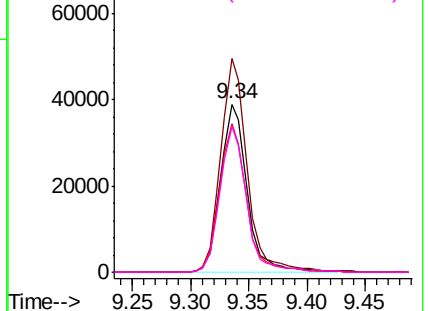


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.014 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004920.D

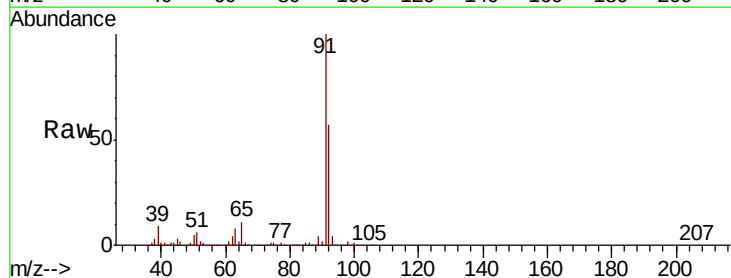
Acq: 02 Oct 2018 15:39

Tgt Ion: 91 Resp: 263146

Ion Ratio Lower Upper

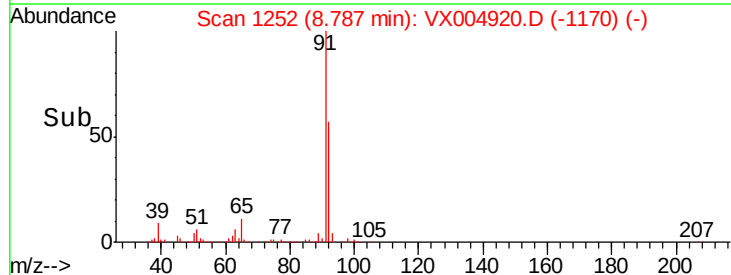
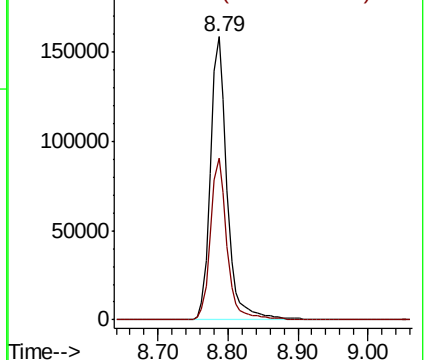
91 100

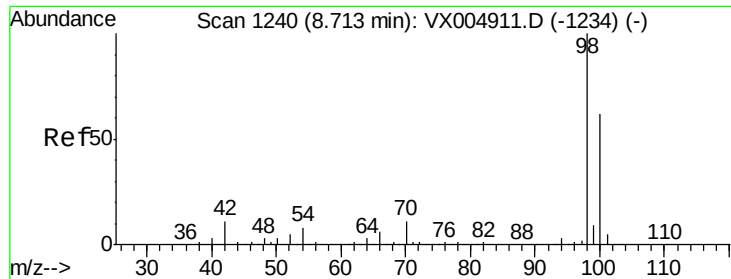
92 56.9 46.2 69.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





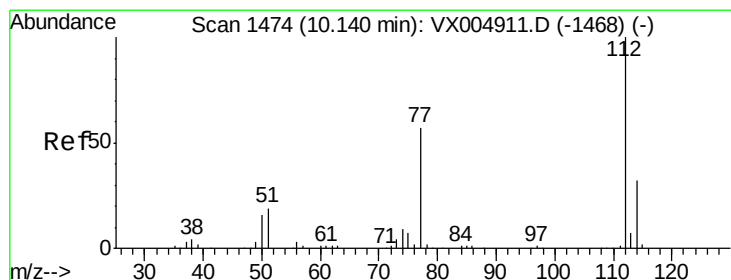
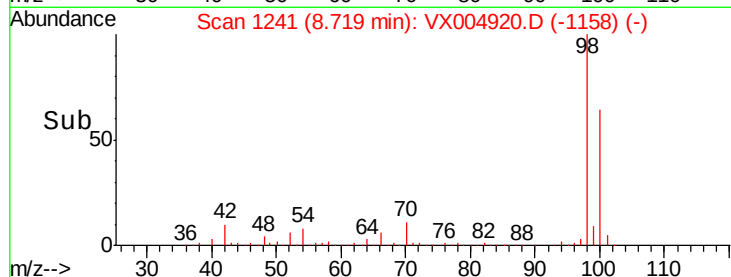
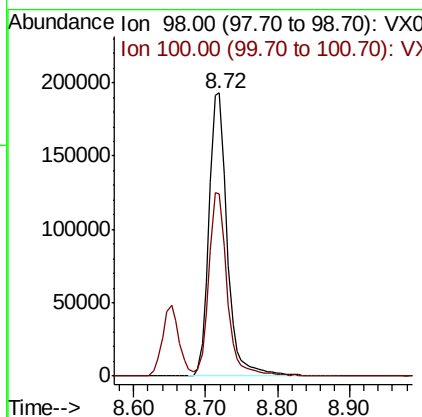
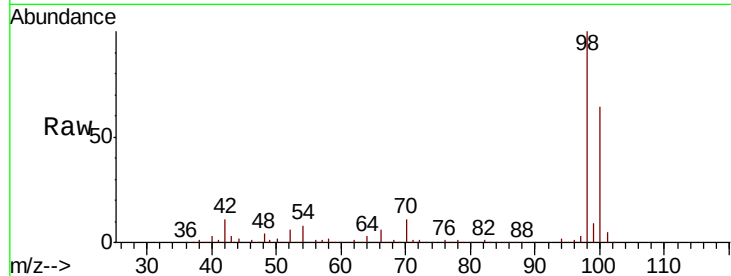
#63  
Toluene-d8  
Concen: 30.508 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.01 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tot Ion: 98 Resp: 340689  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.6 77.4

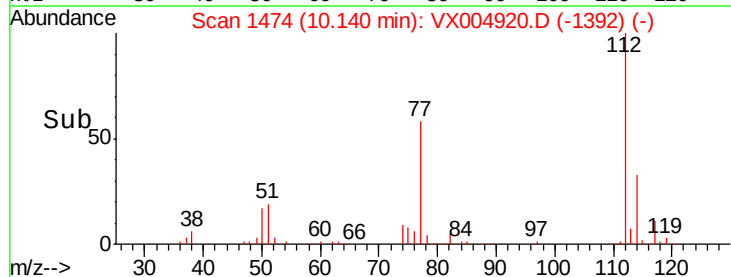
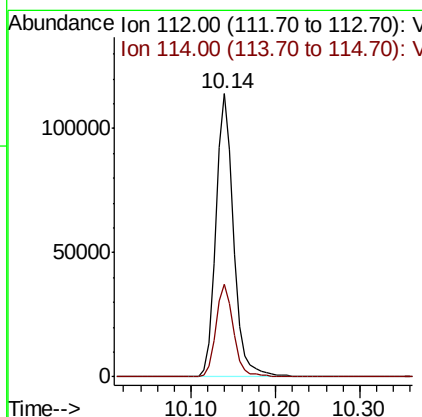
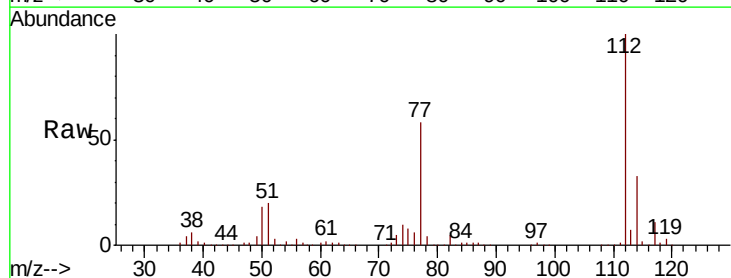
Manual Integrations  
APPROVED

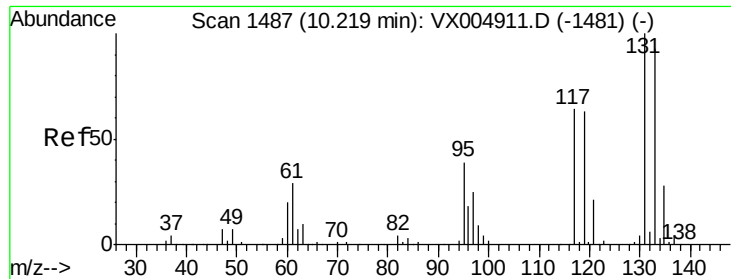
MMDadoda  
10/3/2018 4:23:29 PM



#64  
Chlorobenzene  
Concen: 19.683 ug/l  
RT: 10.14 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Tgt Ion: 112 Resp: 167132  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 19.761 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

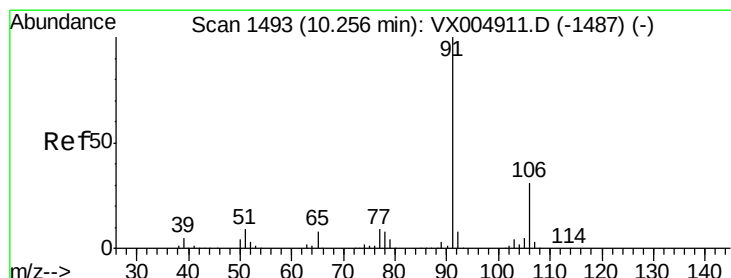
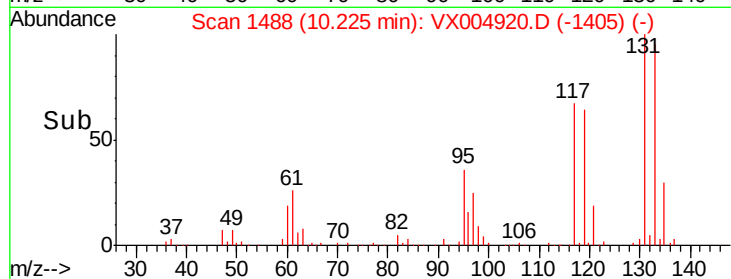
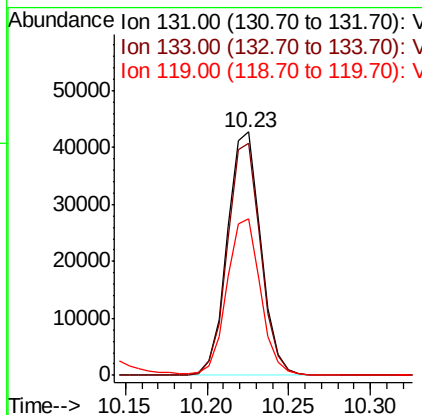
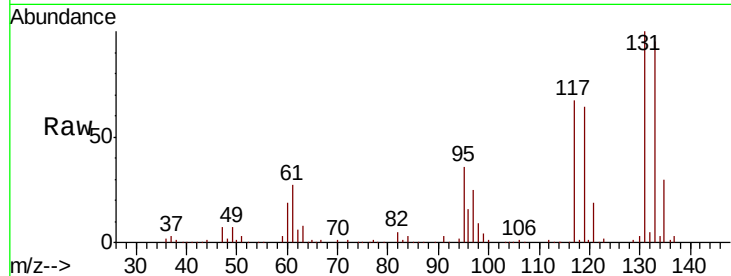
ClientSampleId :

VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 131   | Resp: | 60995 |
| Ion Ratio | Lower | Upper |       |
| 131       | 100   |       |       |
| 133       | 94.7  | 0.0   | 190.4 |
| 119       | 64.5  | 0.0   | 129.0 |

Manual Integrations  
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10/3/2018 4:23:29 PM



#66

Ethyl Benzene

Concen: 19.309 ug/l

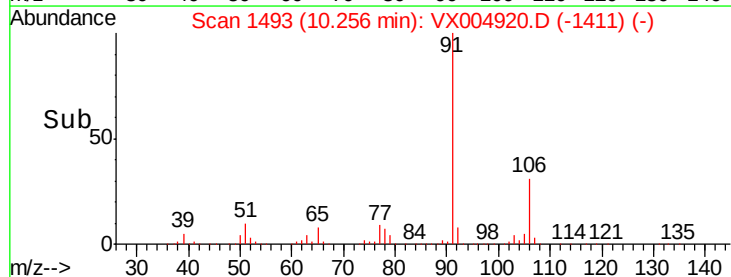
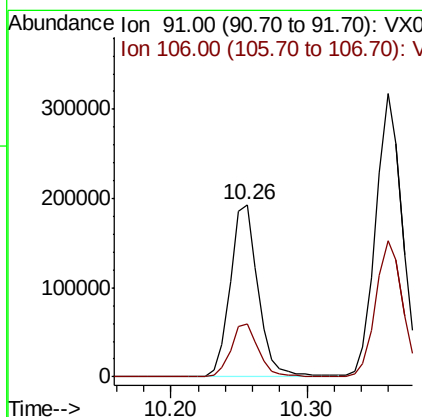
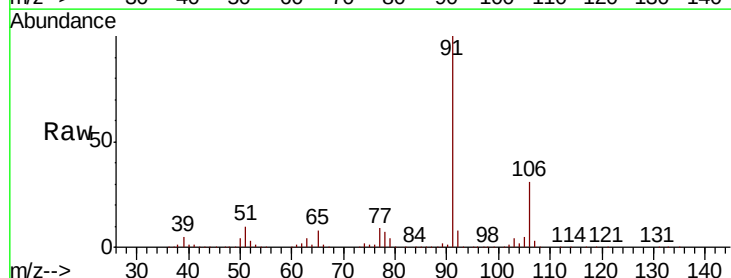
RT: 10.26 min Scan# 1493

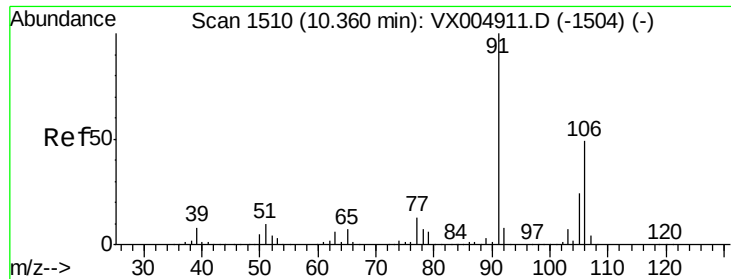
Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 277155 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 30.8  | 24.5  | 36.7   |





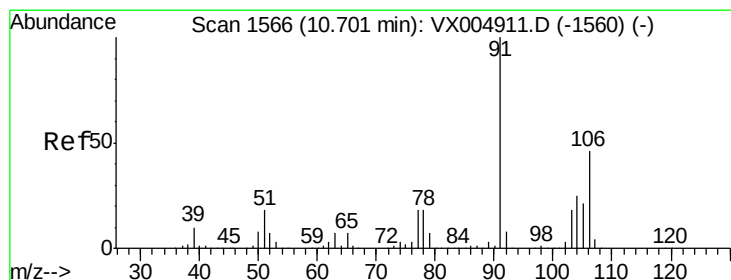
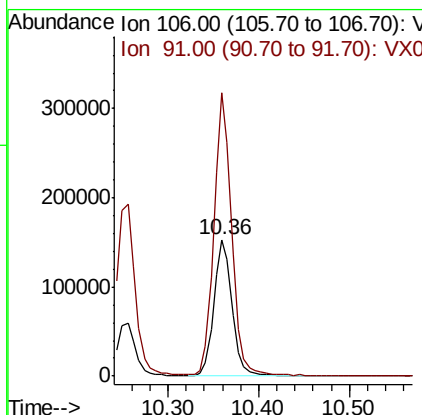
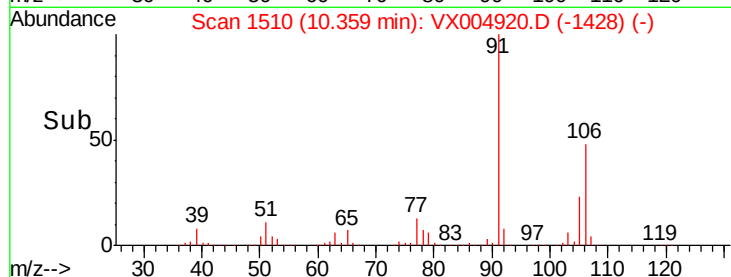
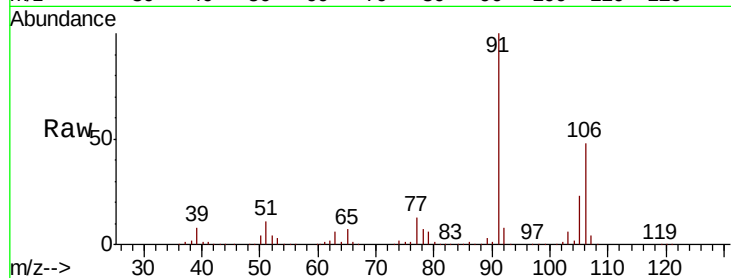
#67  
m/p-Xylenes  
Concen: 38.785 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC020EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 216769 |       |       |
| 91      | 199.6 | 165.5 | 248.3  |       |       |

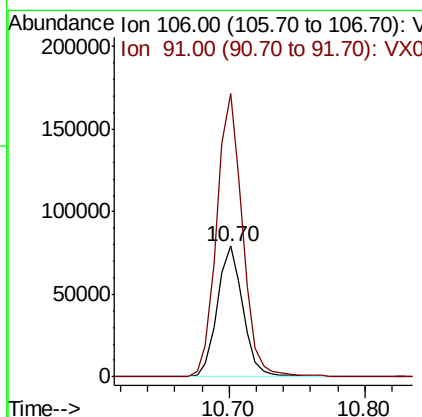
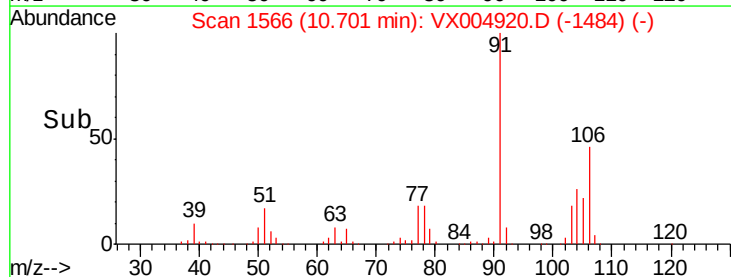
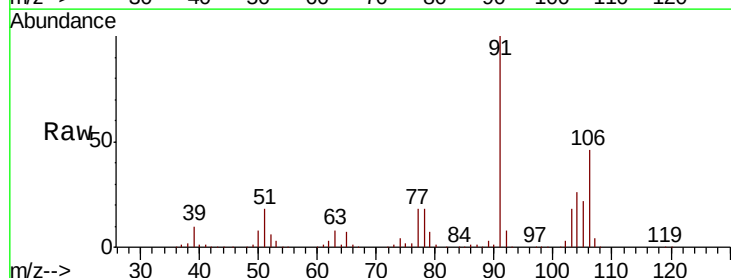
Manual Integrations  
APPROVED

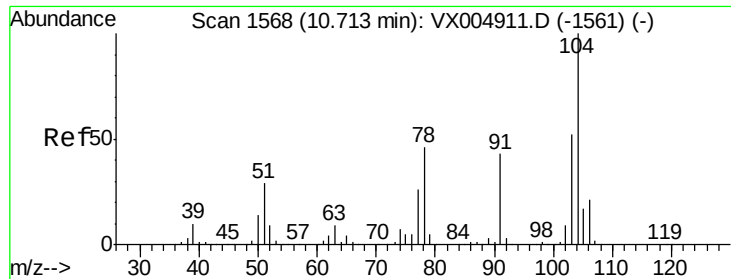
MMDadoda  
10/3/2018 4:23:29 PM



#68  
o-Xylene  
Concen: 19.264 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 103783 |       |       |
| 91      | 218.2 | 109.1 | 327.2  |       |       |





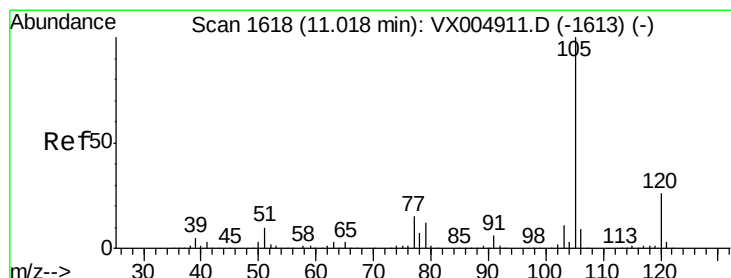
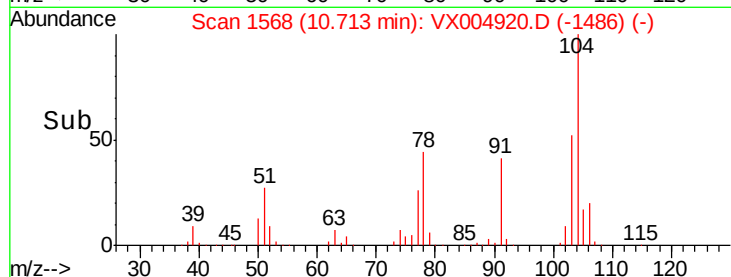
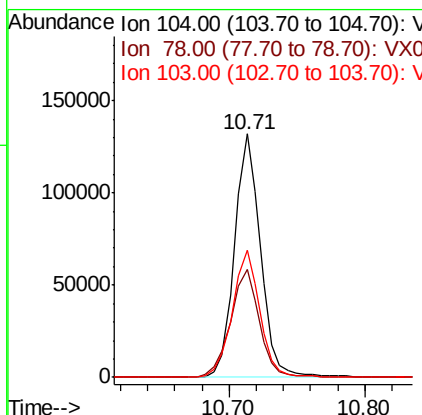
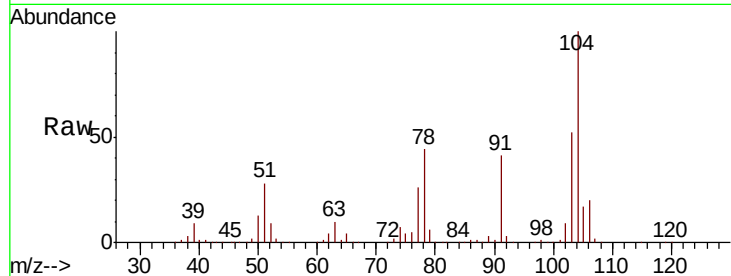
#69  
Stvrene  
Concen: 19.331 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 49.6  | 40.3  | 60.5  |
| 103     | 55.6  | 44.6  | 66.8  |

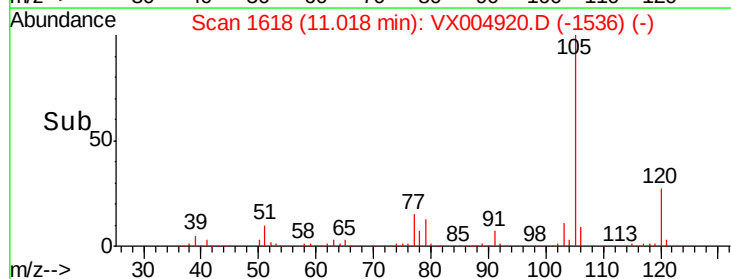
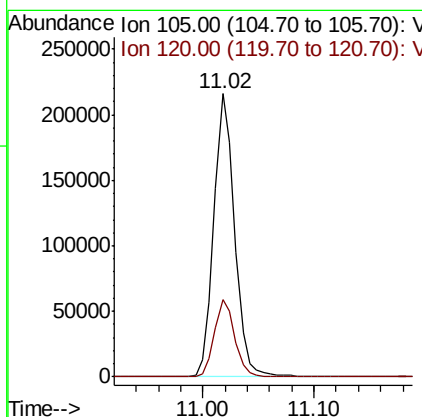
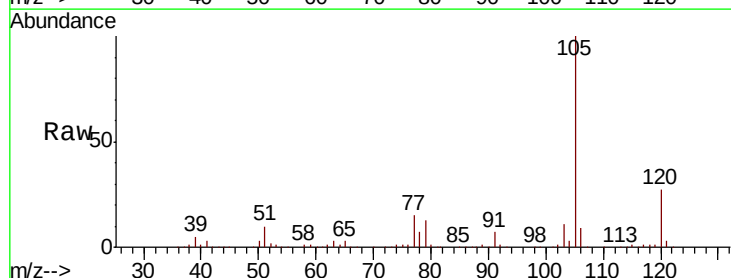
Manual Integrations  
APPROVED

MMDadoda  
10/3/2018 4:23:29 PM

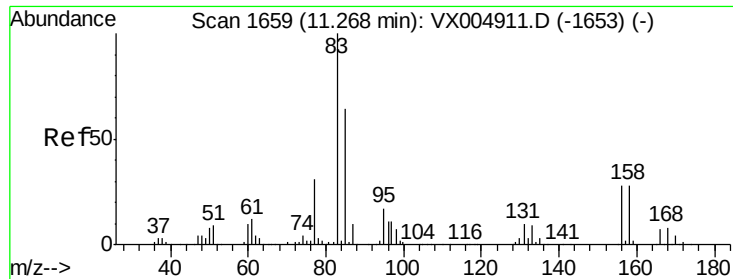


#70  
Isopropylbenzene  
Concen: 19.401 ug/l  
RT: 11.02 min Scan# 1618  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 27.0  | 18.3  | 34.1  |







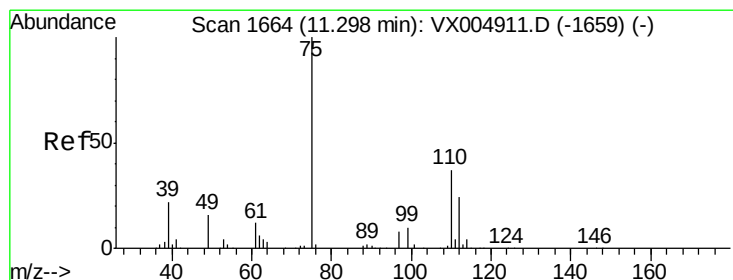
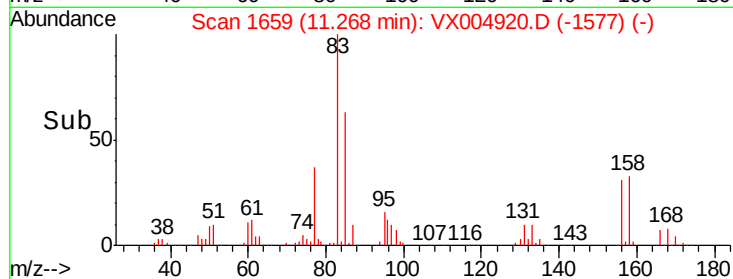
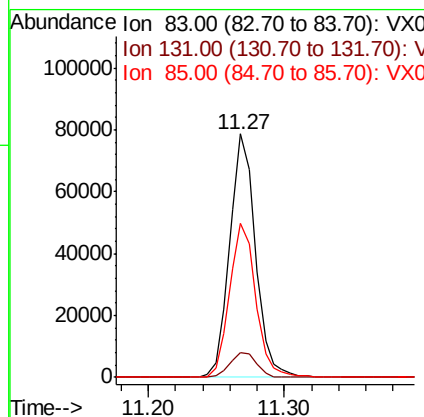
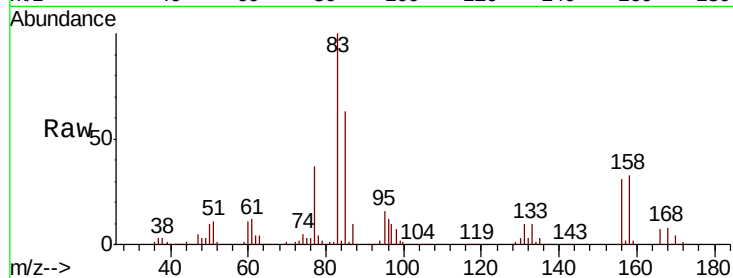
#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.347 ug/l  
 RT: 11.27 min Scan# 1659  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion   | 83   | Resp  | 103664 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 131       | 10.5 | 5.1   | 15.2   |
| 85        | 64.3 | 32.2  | 96.6   |

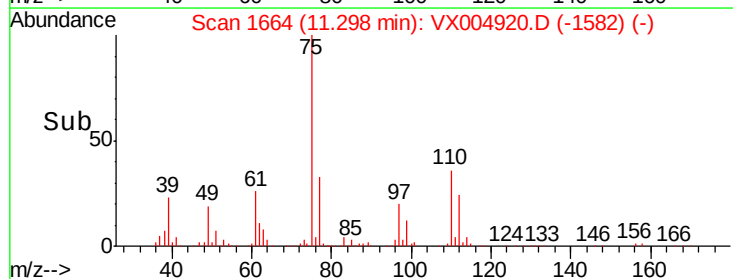
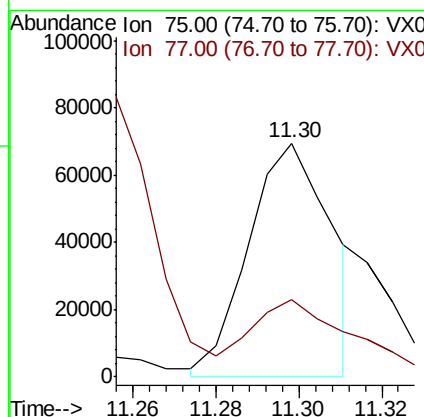
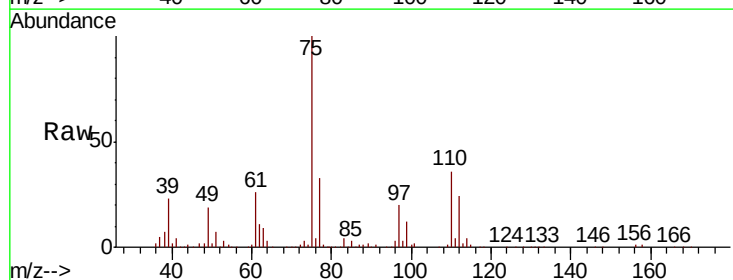
Manual Integrations  
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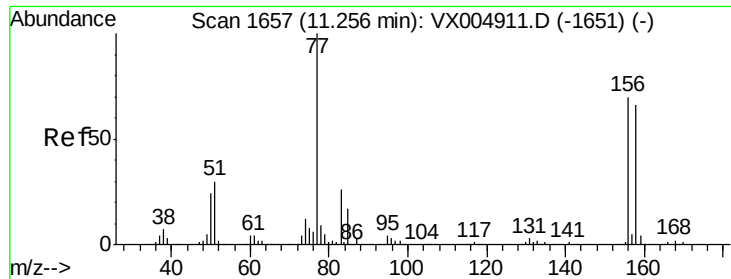
MMDadoda  
 10/3/2018 4:23:29 PM



#72  
 1,2,3-Trichloropropane  
 Concen: 19.762 ug/l m  
 RT: 11.30 min Scan# 1664  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion   | 75   | Resp  | 96468 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 75        | 100  |       |       |
| 77        | 40.9 | 0.0   | 81.2  |





#73

Bromobenzene

Concen: 19.188 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

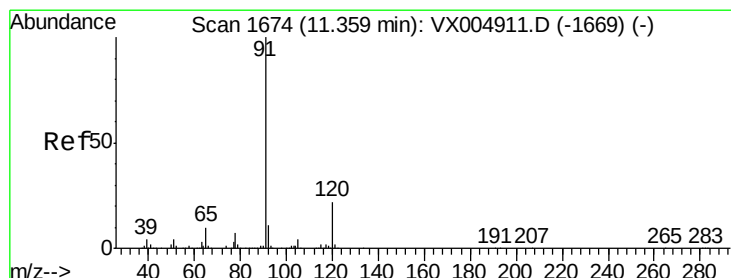
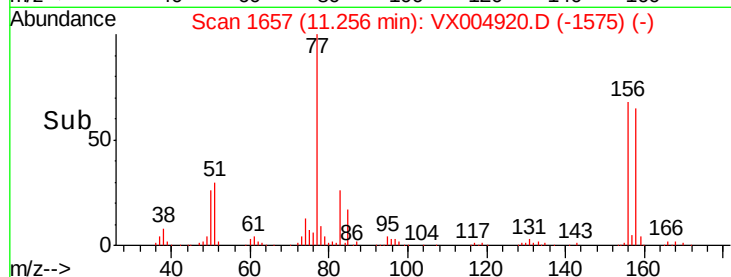
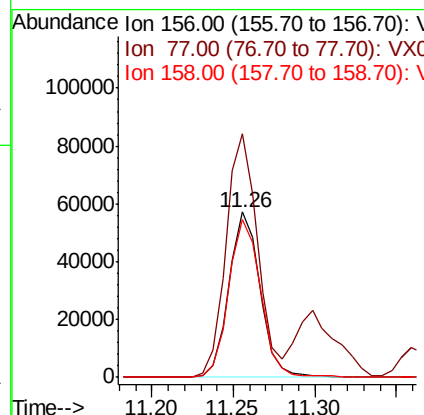
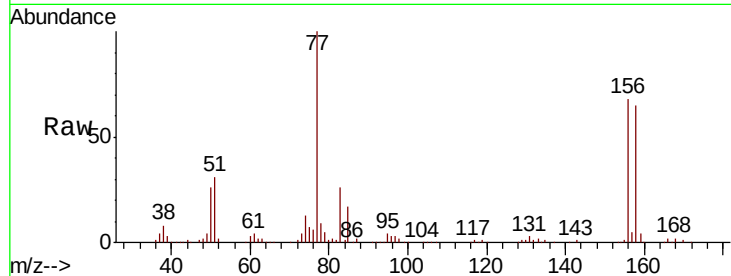
ClientSampleId :

VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 76091 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 149.2 | 0.0   | 292.4 |
| 158       | 98.4  | 0.0   | 194.2 |

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#74

n-propylbenzene

Concen: 19.122 ug/l

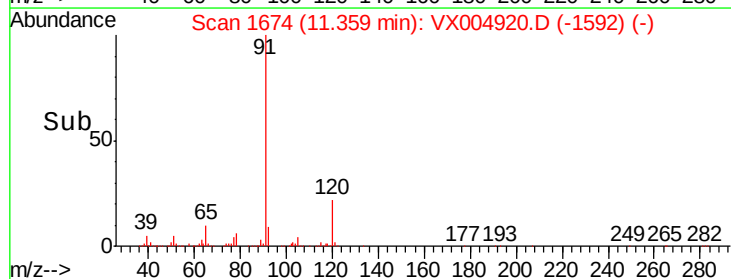
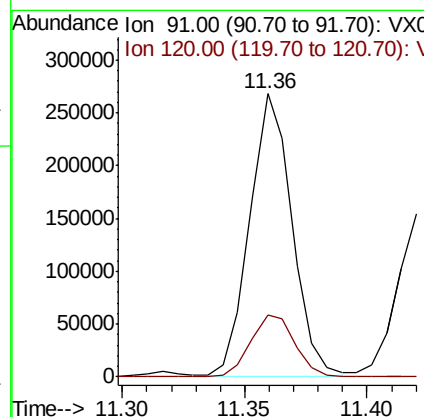
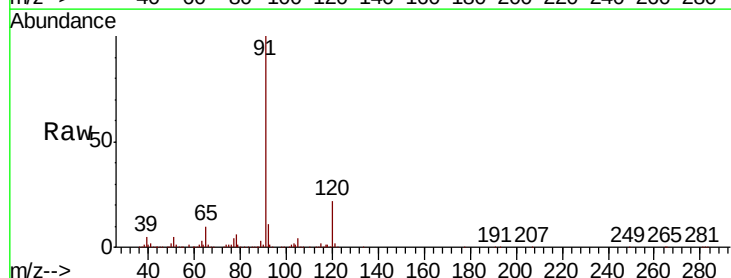
RT: 11.36 min Scan# 1674

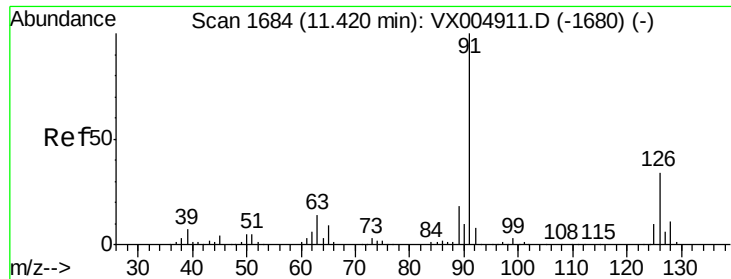
Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 324567 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.0  | 0.0   | 45.4   |





#75

2-Chlorotoluene

Concen: 19.453 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 201378

Ion Ratio Lower Upper

91 100

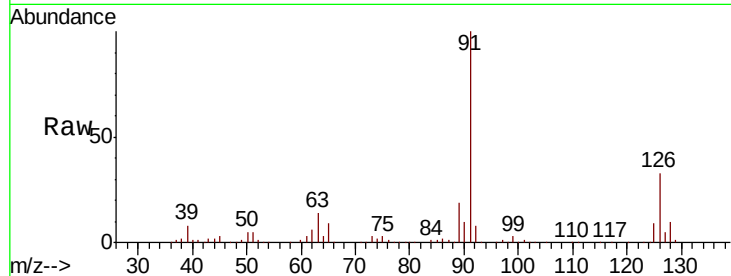
126 33.7 0.0 68.2

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Abundance Ion 91.00 (90.70 to 91.70): VX004911.D (-1680) (-)

Ion 126.00 (125.70 to 126.70): VX004911.D (-1680) (-)

300000

250000

200000

150000

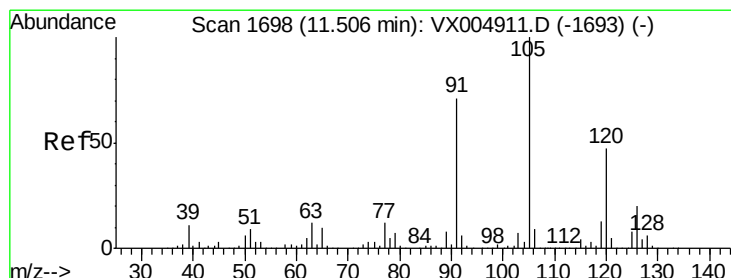
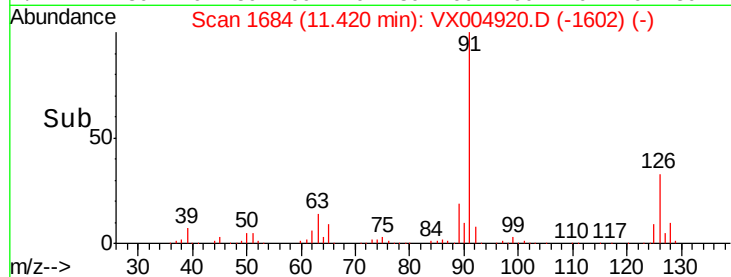
100000

50000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.088 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004920.D

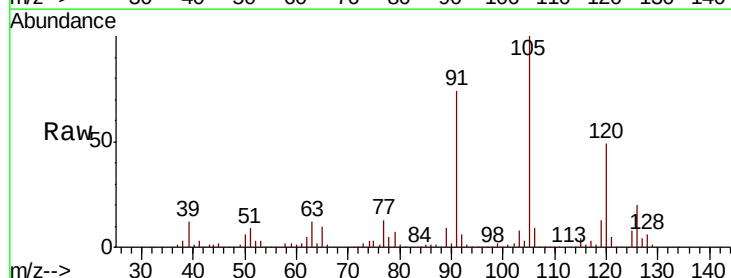
Acq: 02 Oct 2018 15:39

Tgt Ion: 105 Resp: 237594

Ion Ratio Lower Upper

105 100

120 48.9 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX004911.D (-1693) (-)

Ion 120.00 (119.70 to 120.70): VX004911.D (-1693) (-)

200000

150000

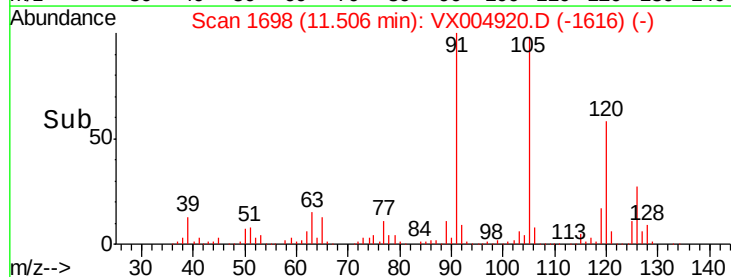
100000

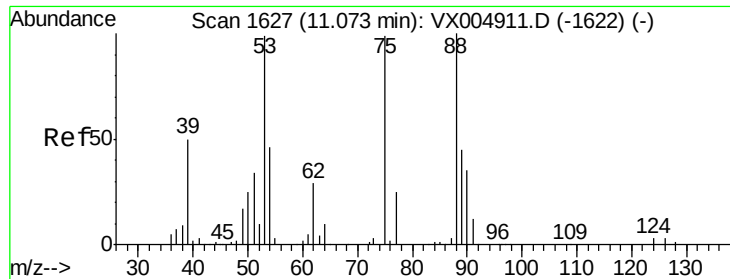
50000

0

11.50 11.60

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.037 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 28949

Ion Ratio Lower Upper

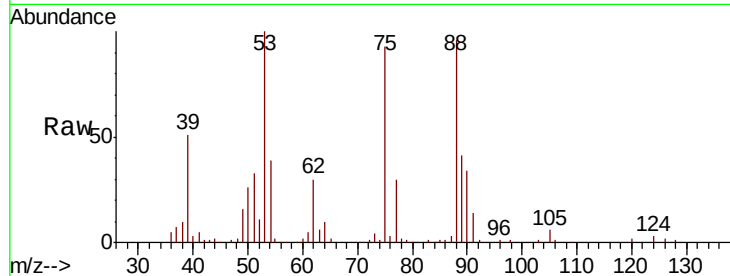
75 100

53 107.0 50.3 150.9

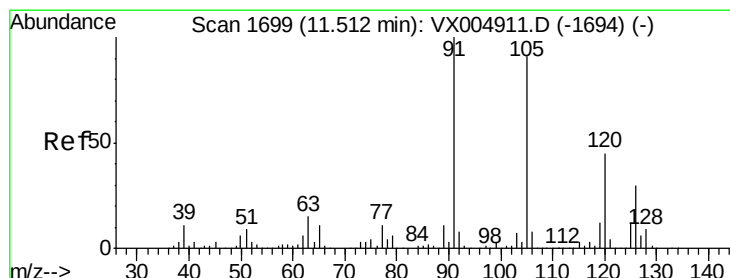
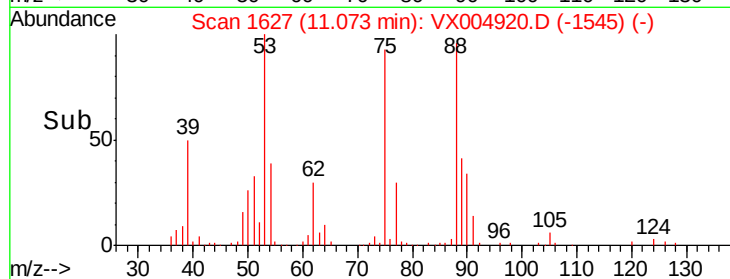
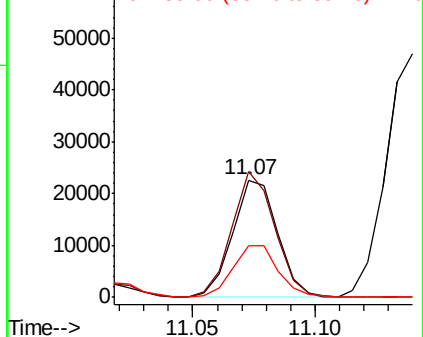
89 43.2 22.6 67.8

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Abundance Ion 75.00 (74.70 to 75.70): VX0  
Ion 53.00 (52.70 to 53.70): VX0  
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.066 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004920.D

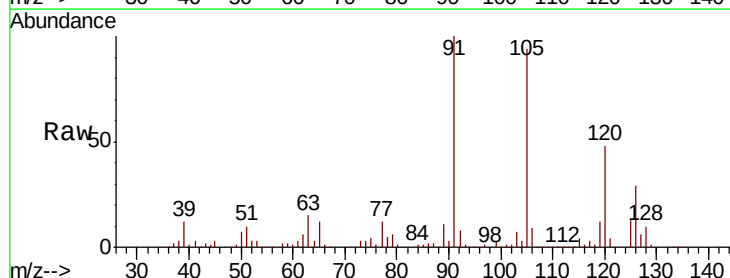
Acq: 02 Oct 2018 15:39

Tgt Ion: 91 Resp: 229416

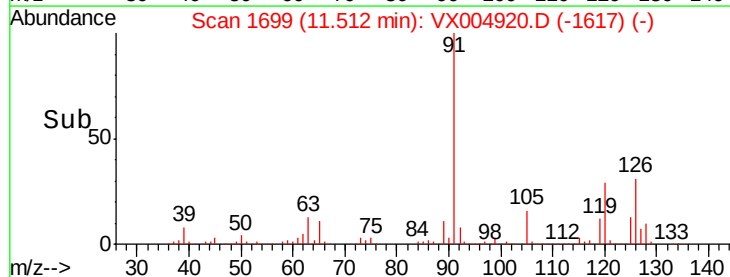
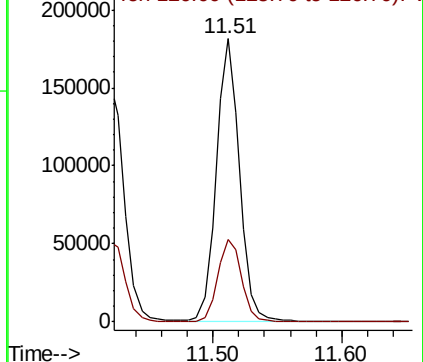
Ion Ratio Lower Upper

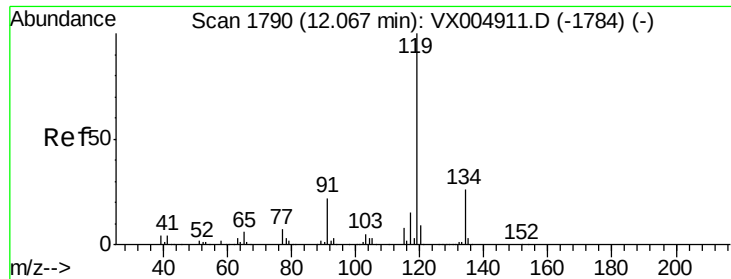
91 100

126 30.1 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 126.00 (125.70 to 126.70): V





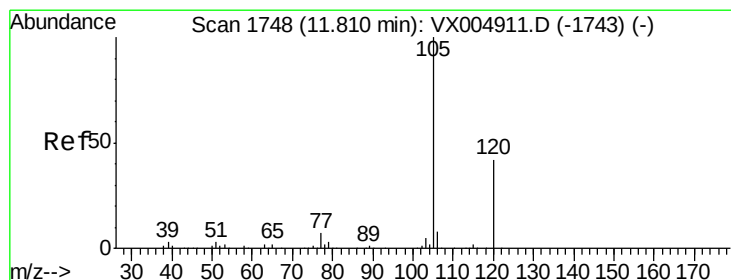
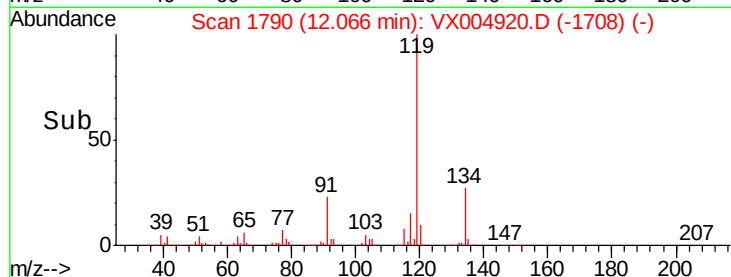
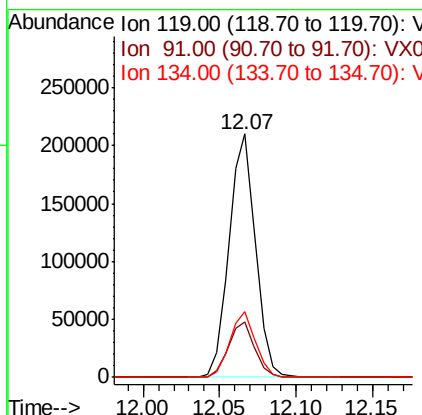
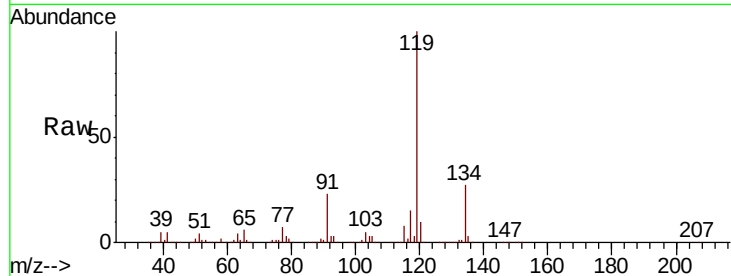
#79  
tert-butylbenzene  
Concen: 18.925 ug/l  
RT: 12.07 min Scan# 1790  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 249997 |       |       |
| 91      | 22.7  |        | 0.0   | 45.8  |
| 134     | 26.4  |        | 0.0   | 52.8  |

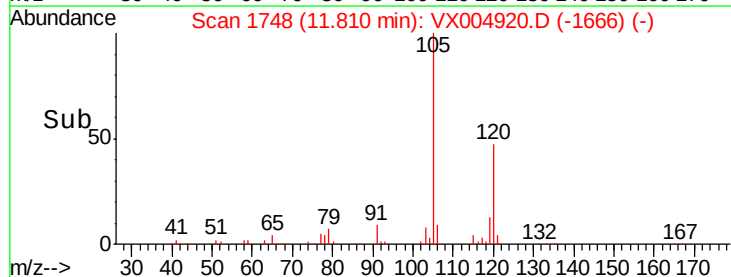
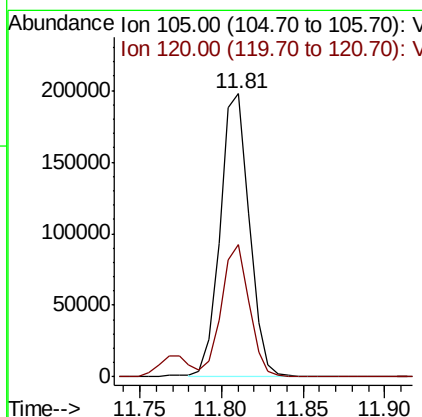
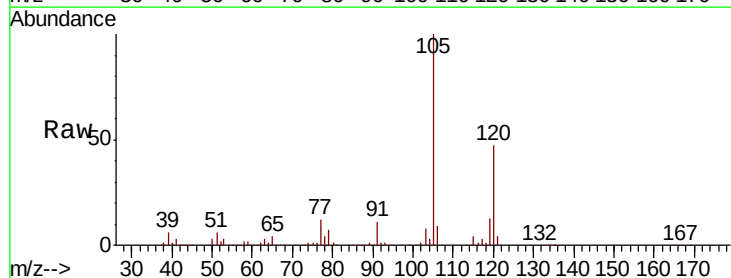
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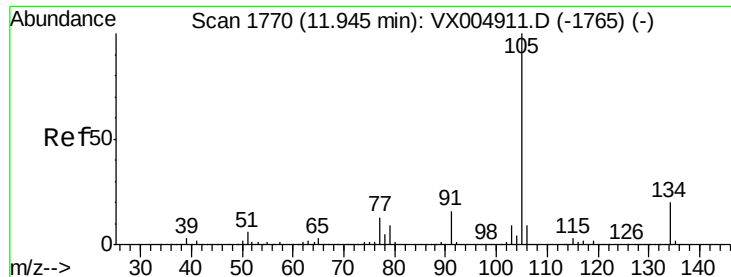
MMDadoda  
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#80  
1,2,4-Trimethylbenzene  
Concen: 19.391 ug/l  
RT: 11.81 min Scan# 1748  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 246148 |       |       |
| 120     | 45.0  |        | 0.0   | 90.6  |





#81

sec-Butylbenzene

Concen: 19.051 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

Instrument :

MSVOA\_X

ClientSampleID :

VSTDCCC020EC

Tot Ion:105 Resp: 279925

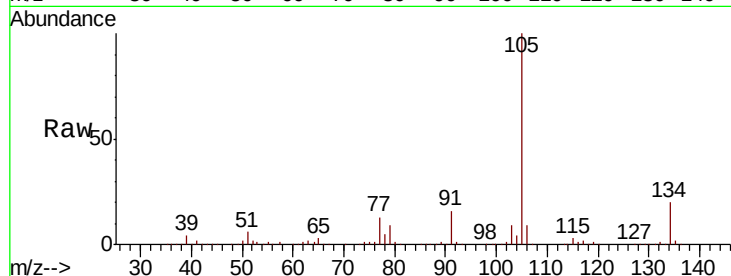
Ion Ratio Lower Upper

105 100

134 20.4 0.0 40.4

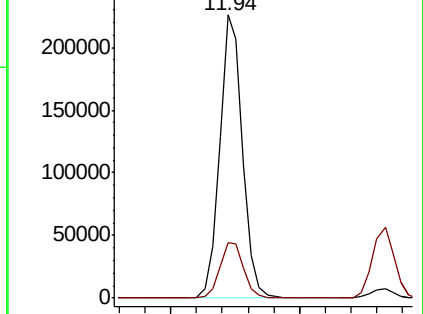
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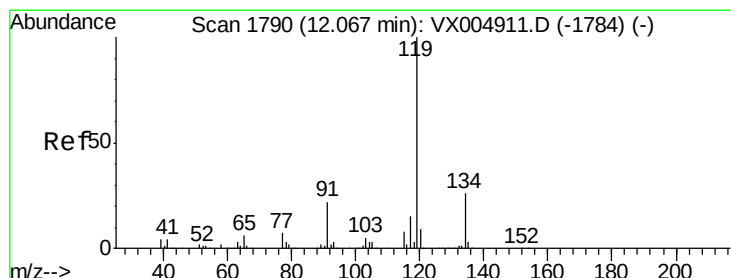
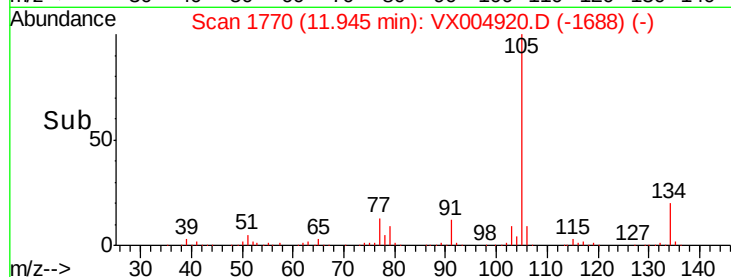


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#82

p-Isopropyltoluene

Concen: 18.925 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004920.D

Acq: 02 Oct 2018 15:39

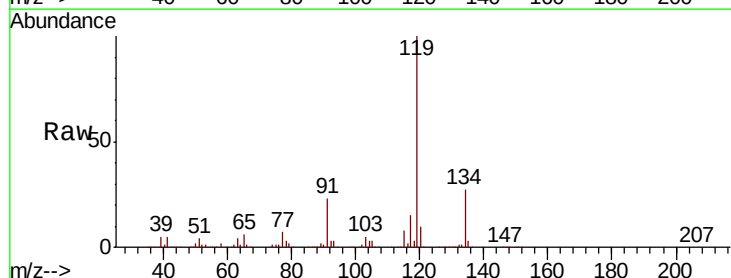
Tgt Ion:119 Resp: 249997

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.8

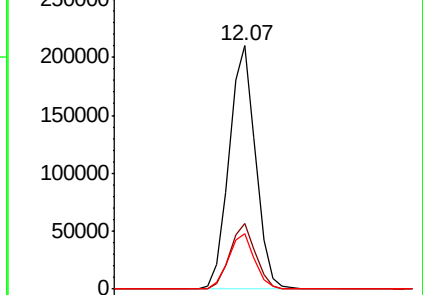
91 22.7 0.0 45.8



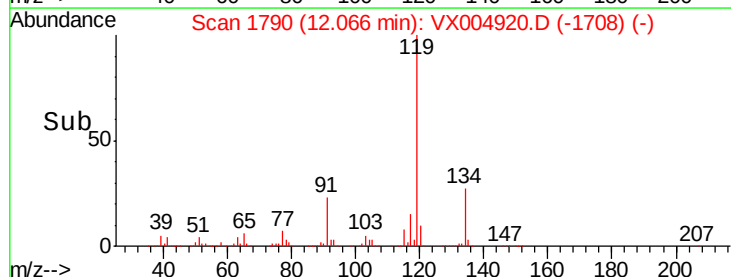
Abundance Ion 119.00 (118.70 to 119.70): V

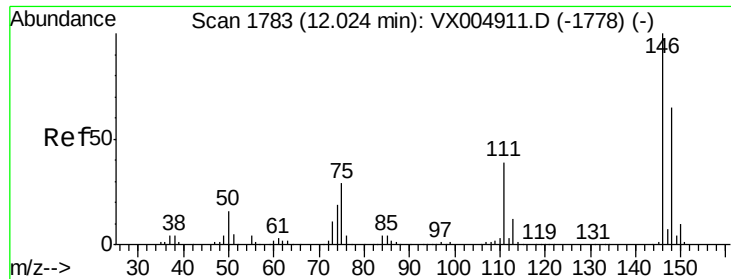
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->





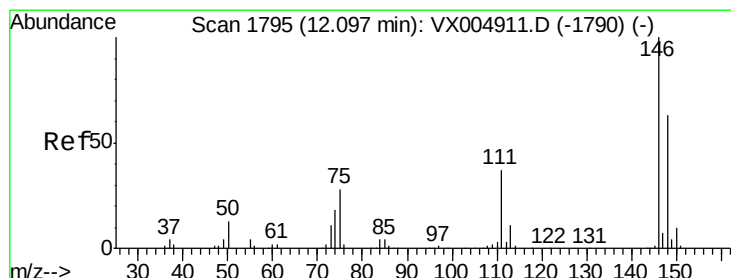
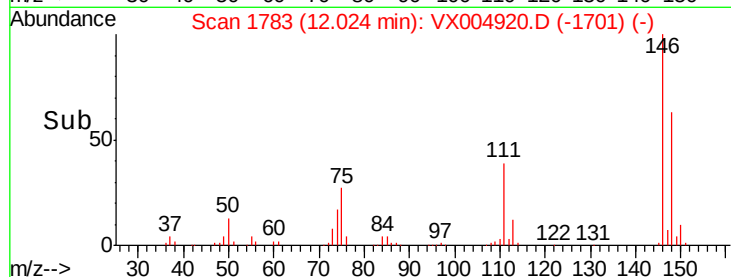
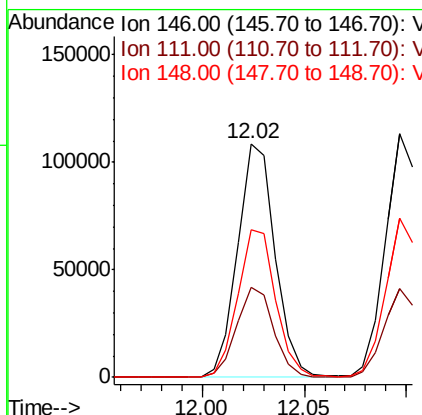
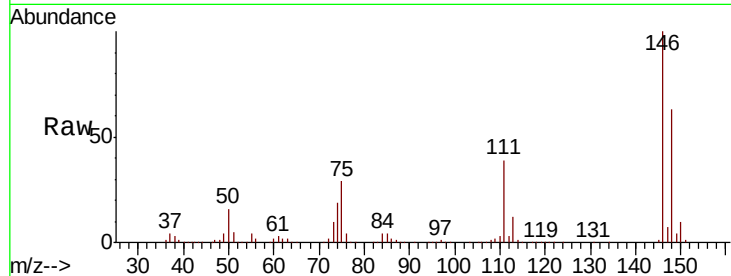
#83  
 1,3-Dichlorobenzene  
 Concen: 18.957 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 19.3  | 57.8  |
| 148     | 64.1  | 32.4  | 97.2  |

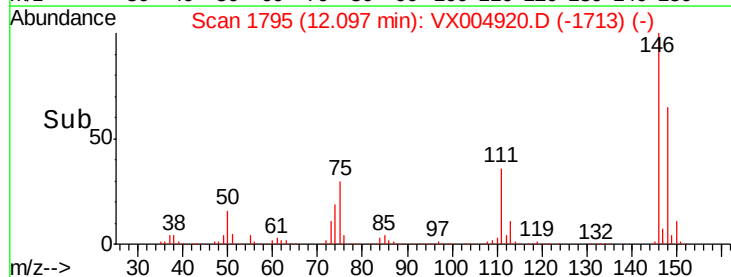
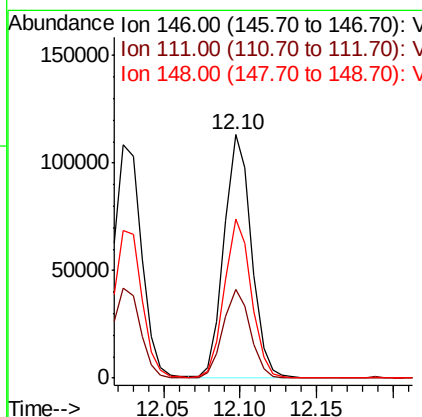
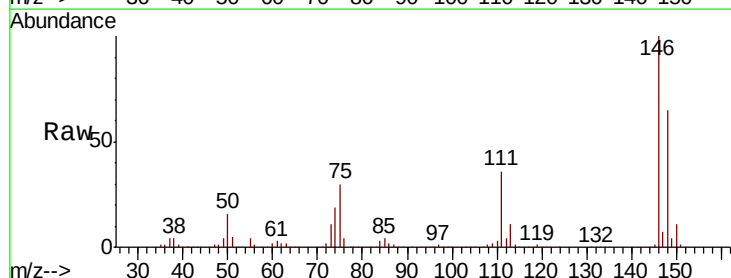
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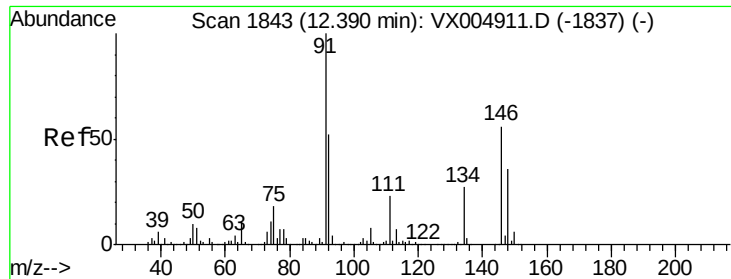
MMDadoda  
 10/3/2018 4:23:29 PM



#84  
 1,4-Dichlorobenzene  
 Concen: 18.870 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.5  | 18.1  | 54.4  |
| 148     | 64.4  | 31.9  | 95.7  |





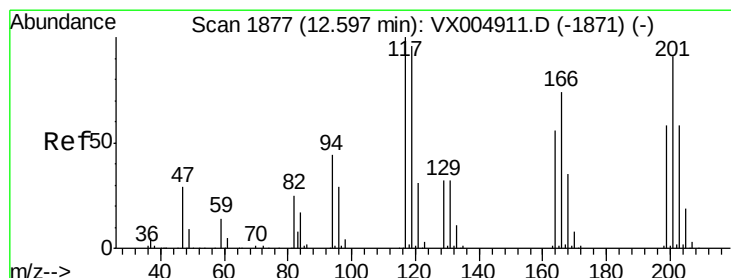
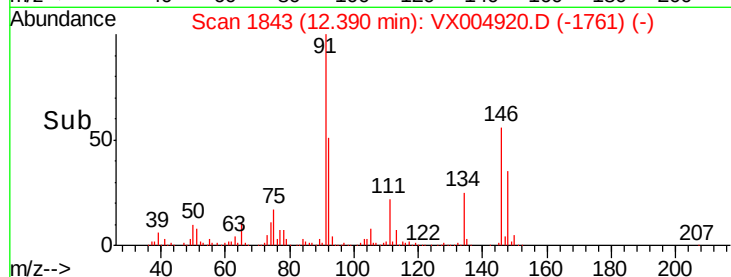
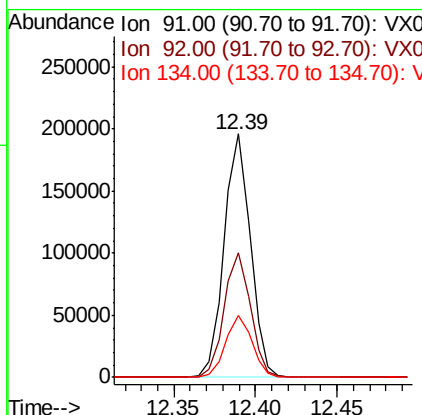
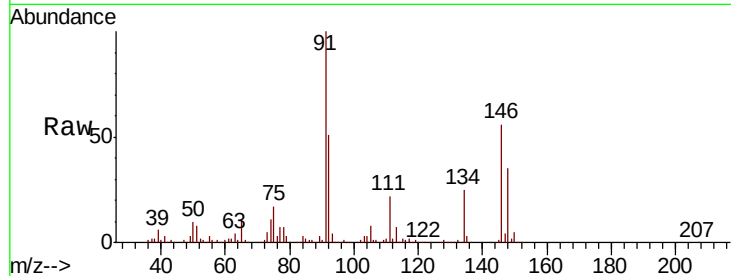
#85  
n-Butylbenzene  
Concen: 18.303 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC020EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 219604 |       |       |
| 92      | 51.3  |        | 0.0   | 103.6 |
| 134     | 25.5  |        | 0.0   | 52.2  |

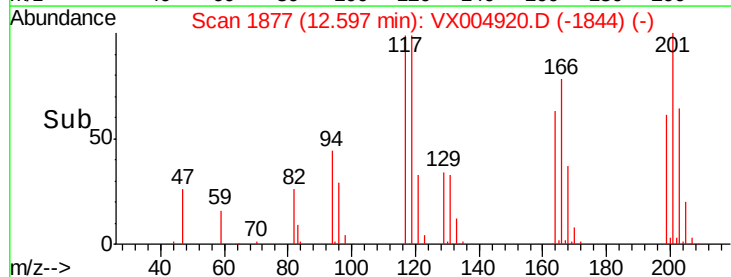
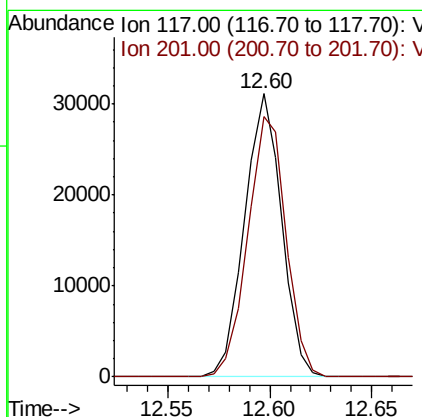
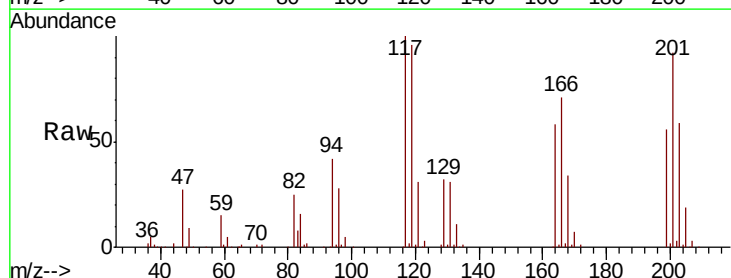
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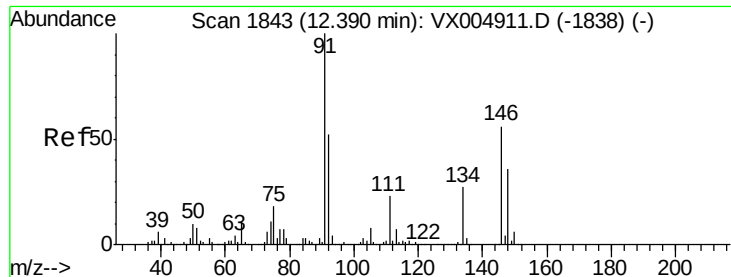


#86  
Hexachloroethane  
Concen: 18.028 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 39228 |       |       |
| 201     | 95.1  |       | 47.1  | 141.4 |







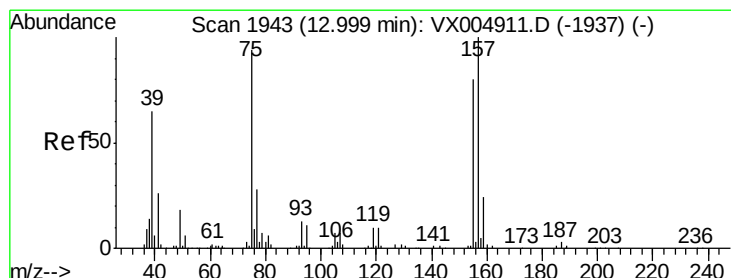
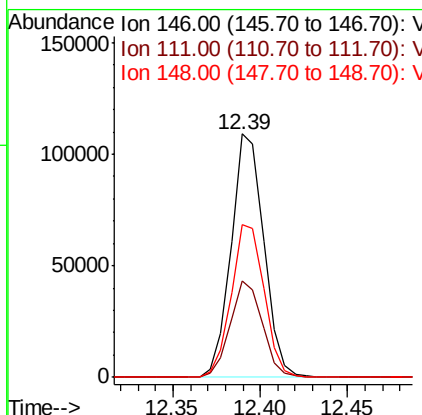
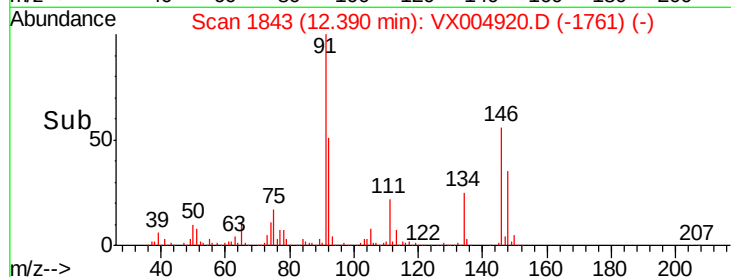
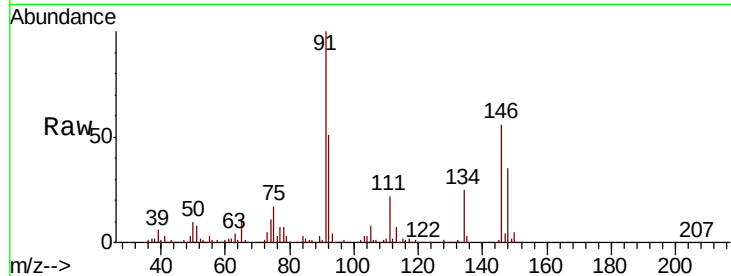
#87  
 1,2-Dichlorobenzene  
 Concen: 19.039 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 19.6  | 58.7  |
| 148     | 63.6  | 31.9  | 95.9  |

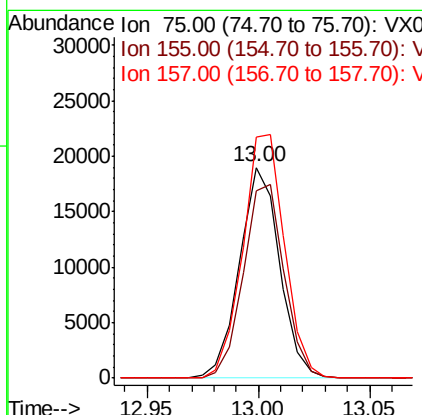
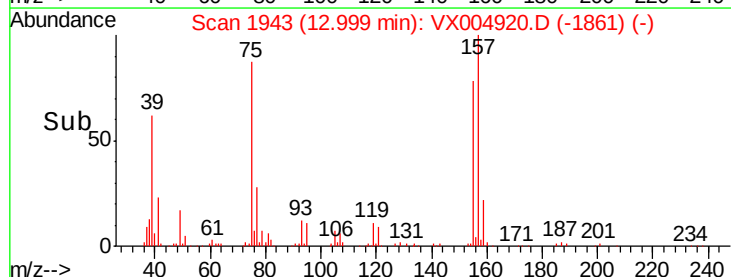
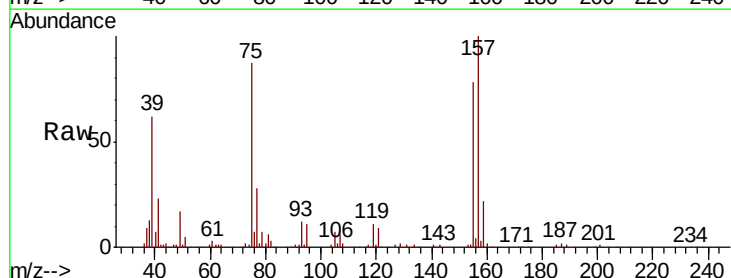
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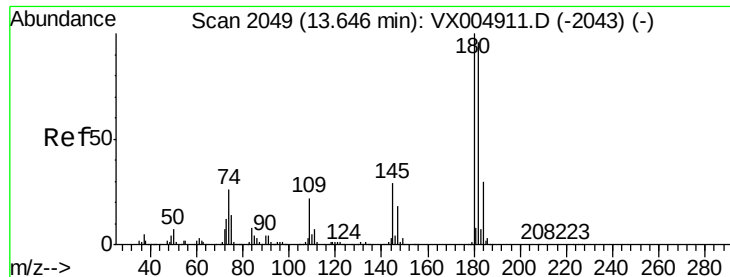
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#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.363 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 93.2  | 71.6  | 107.4 |
| 157     | 120.5 | 91.3  | 136.9 |





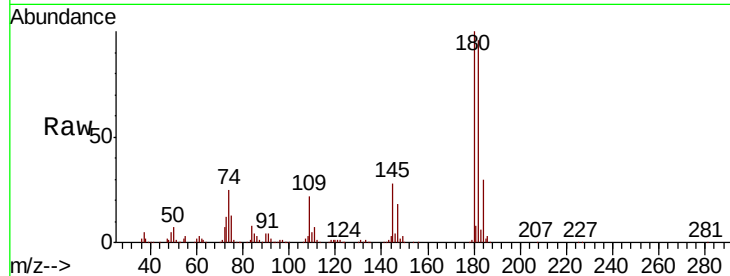
#89  
 1,2,4-Trichlorobenzene  
 Concen: 18.424 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 102448 |       |       |
| 182     | 95.3  | 76.8   | 115.2 |       |
| 145     | 27.5  | 22.6   | 33.8  |       |

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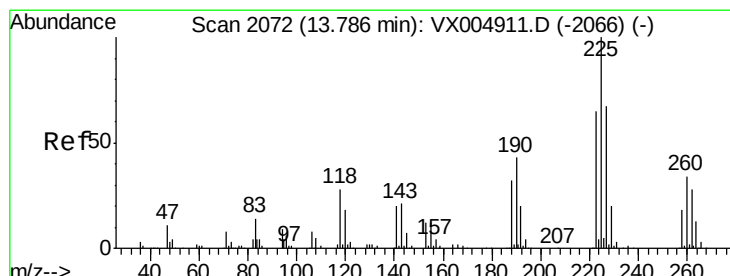
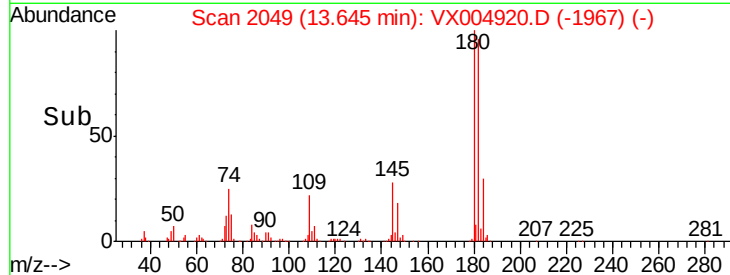
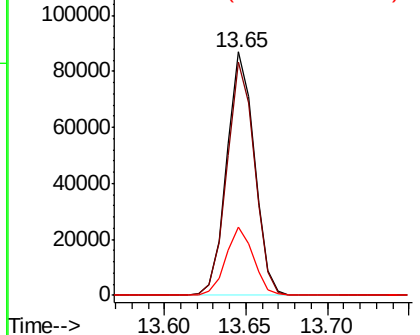


Abundance

Ion 180.00 (179.70 to 180.70): V

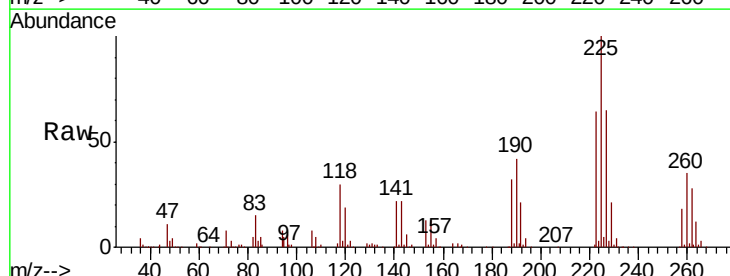
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90  
 Hexachlorobutadiene  
 Concen: 18.295 ug/l  
 RT: 13.79 min Scan# 2072  
 Delta R.T. -0.00 min  
 Lab File: VX004920.D  
 Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 50225 |       |       |
| 223     | 63.5  | 0.0   | 126.6 |       |
| 227     | 64.2  | 0.0   | 129.6 |       |

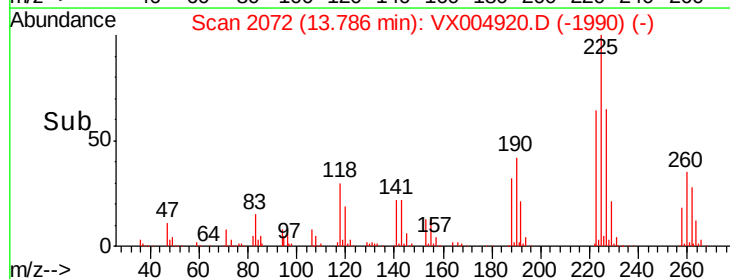
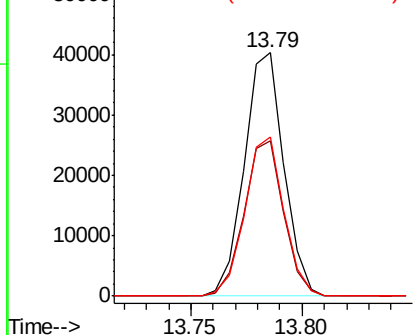


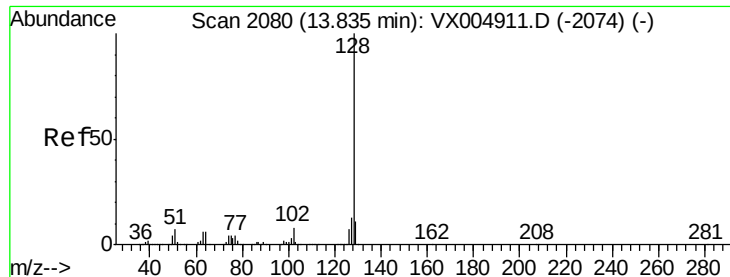
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





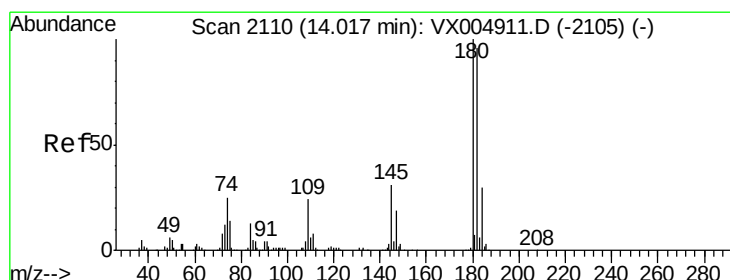
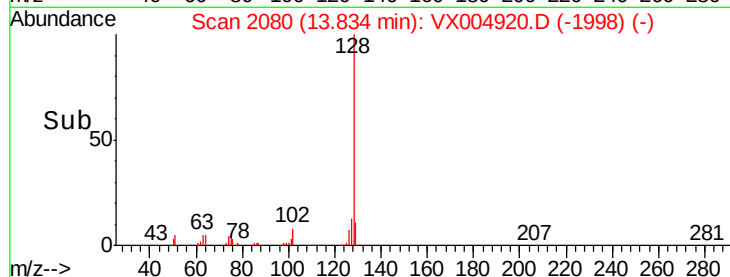
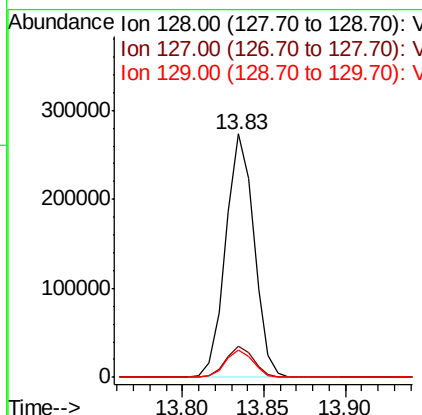
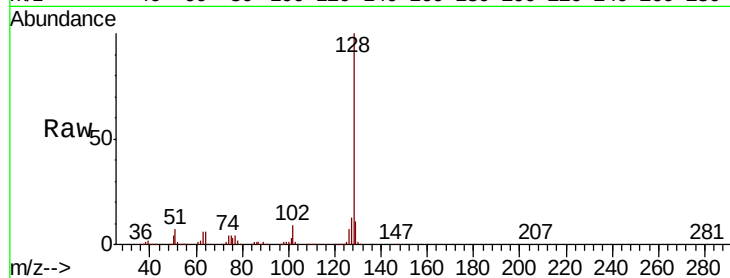
#91  
Naphthalene  
Concen: 19.023 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.5  | 15.7  |
| 129     | 11.0  | 8.6   | 13.0  |

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#92  
1,2,3-Trichlorobenzene  
Concen: 18.485 ug/l  
RT: 14.02 min Scan# 2111  
Delta R.T. 0.01 min  
Lab File: VX004920.D  
Acq: 02 Oct 2018 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.9  | 0.0   | 192.2 |
| 145     | 29.4  | 0.0   | 60.4  |

