

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\  
 Data File : VX017611.D  
 Acq On : 27 Jul 2020 10:54  
 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 7/28/2020 10:31:26 AM

Quant Time: Jul 27 11:42:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 27 11:26:34 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 4.98  | 128  | 100254   | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.83  | 114  | 561471   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.10 | 117  | 516765   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.04   | 65    | 243008   | 33.57    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 111.90% |
| 60) 4-Bromofluorobenzene  | 11.12  | 95    | 257995   | 28.88    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 96.27%  |
| 63) Toluene-d8            | 8.70   | 98    | 673548   | 29.80    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 99.33%  |

## Target Compounds

|                               |      |     |         |         | Ovalue     |
|-------------------------------|------|-----|---------|---------|------------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 1237571 | 239.762 | ug/l 95    |
| 3) Chloromethane              | 1.31 | 50  | 1227521 | 230.049 | ug/l 98    |
| 4) Vinyl Chloride             | 1.39 | 62  | 1197969 | 218.039 | ug/l 99    |
| 5) Bromomethane               | 1.62 | 94  | 645189  | 180.522 | ug/l 96    |
| 6) Chloroethane               | 1.70 | 64  | 662011  | 191.526 | ug/l 99    |
| 7) Trichlorofluoromethane     | 1.91 | 101 | 1732649 | 187.240 | ug/l 99    |
| 8) Diethyl Ether              | 2.17 | 74  | 501883  | 161.752 | ug/l 96    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101 | 743596  | 154.489 | ug/l 99    |
| 10) 1,1-Dichloroethene        | 2.35 | 96  | 692789  | 147.078 | ug/l 97    |
| 11) Methyl Iodide             | 2.49 | 142 | 1095847 | 193.184 | ug/l 99    |
| 12) Methyl Acetate            | 2.75 | 43  | 1145224 | 171.454 | ug/l 98    |
| 13) Acrolein                  | 2.28 | 56  | 860593  | 991.232 | ug/l 100   |
| 14) Acrylonitrile             | 3.12 | 53  | 2528227 | 854.386 | ug/l 100   |
| 15) Acetone                   | 2.42 | 58  | 656764  | 858.659 | ug/l 98    |
| 16) Carbon Disulfide          | 2.54 | 76  | 1984430 | 156.812 | ug/l 99    |
| 17) Allyl chloride            | 2.70 | 41  | 1417675 | 160.756 | ug/l 97    |
| 18) Methylene Chloride        | 2.83 | 84  | 847243  | 146.884 | ug/l 98    |
| 19) trans-1,2-Dichloroethene  | 3.14 | 96  | 797610  | 148.282 | ug/l 98    |
| 20) Diisopropyl ether         | 3.83 | 45  | 2703195 | 154.167 | ug/l 98    |
| 21) 1,1-Dichloroethane        | 3.67 | 63  | 1497865 | 154.034 | ug/l 97    |
| 22) cis-1,2-Dichloroethene    | 4.57 | 96  | 910460  | 146.676 | ug/l 99    |
| 23) tert-Butyl Alcohol        | 3.03 | 59  | 1153617 | 911.715 | ug/l # 100 |
| 24) Methyl tert-Butyl Ether   | 3.17 | 73  | 3056130 | 168.290 | ug/l 98    |
| 25) Chloroform                | 5.18 | 83  | 1731119 | 164.472 | ug/l 99    |
| 26) Cyclohexane               | 5.55 | 56  | 1485113 | 190.890 | ug/l # 100 |
| 29) 1,1-Dichloropropene       | 5.77 | 75  | 1194595 | 149.840 | ug/l 97    |
| 30) 2-Butanone                | 4.64 | 43  | 3396548 | 775.495 | ug/l 99    |
| 31) 2,2-Dichloropropane       | 4.55 | 77  | 1402348 | 138.772 | ug/l 100   |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 1587244 | 152.055 | ug/l 98    |
| 33) Carbon Tetrachloride      | 5.76 | 117 | 1444199 | 149.050 | ug/l 98    |
| 34) Benzene                   | 6.11 | 78  | 3442317 | 147.994 | ug/l 97    |
| 35) Methacrylonitrile         | 5.01 | 41  | 773789  | 156.826 | ug/l 96    |
| 36) 1,2-Dichloroethane        | 6.17 | 62  | 1446213 | 155.072 | ug/l 100   |
| 37) Trichloroethene           | 7.19 | 130 | 1030001 | 143.581 | ug/l 97    |
| 38) Methylcyclohexane         | 7.44 | 83  | 1548874 | 180.972 | ug/l 99    |
| 39) 1,2-Dichloropropane       | 7.49 | 63  | 961356  | 155.115 | ug/l 99    |
| 40) Dibromomethane            | 7.64 | 93  | 675459  | 151.116 | ug/l 97    |

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 Operator : JC/SP  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDICC150

Manual Integrations  
 APPROVED

MMDadoda  
 7/28/2020 10:31:26 AM

Quant Time: Jul 27 11:42:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 27 11:26:34 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| -----                          |       |      |          |          |        |          |
| 41) Bromodichloromethane       | 7.88  | 83   | 1482033  | 157.469  | ug/l # | 94       |
| 42) Vinyl Acetate              | 3.79  | 43   | 10260973 | 632.873  | ug/l   | 99       |
| 43) Ethyl Acetate              | 4.80  | 43   | 1199117  | 142.249  | ug/l   | 100      |
| 44) Isopropyl Acetate          | 6.42  | 43   | 2279640  | 160.931  | ug/l   | 99       |
| 45) 1,4-Dioxane                | 7.72  | 88   | 484407   | 3485.904 | ug/l   | 97       |
| 46) Methyl methacrylate        | 7.75  | 41   | 1183076  | 171.774  | ug/l   | 95       |
| 47) n-amyl Acetate             | 10.88 | 43   | 1884790  | 150.594  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene      | 9.02  | 75   | 1671841  | 159.870  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene    | 8.42  | 75   | 1698515  | 155.062  | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane      | 9.20  | 97   | 961291   | 146.424  | ug/l   | 99       |
| 51) Ethyl methacrylate         | 9.16  | 69   | 1564432  | 161.317  | ug/l   | 99       |
| 52) 1,3-Dichloropropane        | 9.35  | 76   | 1583413  | 149.099  | ug/l   | 99       |
| 53) Dibromochloromethane       | 9.57  | 129  | 1243808  | 156.329  | ug/l   | 99       |
| 54) 1,2-Dibromoethane          | 9.65  | 107  | 1044102  | 149.339  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether  | 8.29  | 63   | 3872911  | 849.817  | ug/l   | 99       |
| 56) Bromoform                  | 10.84 | 173  | 961496   | 153.203  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone       | 8.63  | 43   | 7059818  | 803.280  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 5156564  | 802.856  | ug/l   | 99       |
| 61) Tetrachloroethene          | 9.32  | 164  | 969405   | 141.195  | ug/l   | 98       |
| 62) Toluene                    | 8.77  | 91   | 3839709  | 148.746  | ug/l   | 99       |
| 64) Chlorobenzene              | 10.12 | 112  | 2539575  | 151.884  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 1058997  | 152.890  | ug/l   | 98       |
| 66) Ethyl Benzene              | 10.24 | 91   | 4229978  | 149.025  | ug/l   | 98       |
| 67) m/p-Xylenes                | 10.34 | 106  | 3217556  | 295.446  | ug/l   | 95       |
| 68) o-Xylene                   | 10.68 | 106  | 1619342  | 154.539  | ug/l   | 96       |
| 69) Styrene                    | 10.70 | 104  | 2857978  | 154.332  | ug/l   | 99       |
| 70) Isopropylbenzene           | 11.00 | 105  | 4538625  | 154.234  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 1296077  | 144.830  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane     | 11.28 | 75   | 1218775m | 138.101  | ug/l   |          |
| 73) Bromobenzene               | 11.24 | 156  | 1200590  | 146.828  | ug/l   | 99       |
| 74) n-propylbenzene            | 11.35 | 91   | 5652546  | 168.359  | ug/l   | 99       |
| 75) 2-Chlorotoluene            | 11.41 | 91   | 3149243  | 154.950  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 4078420  | 165.263  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene    | 11.06 | 75   | 523909   | 150.817  | ug/l   | 97       |
| 78) 4-Chlorotoluene            | 11.49 | 91   | 3806789  | 158.390  | ug/l   | 100      |
| 79) tert-butylbenzene          | 11.76 | 119  | 3822349  | 159.384  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 4174945  | 168.140  | ug/l   | 100      |
| 81) sec-Butylbenzene           | 11.93 | 105  | 4591525  | 165.720  | ug/l   | 99       |
| 82) p-Isopropyltoluene         | 12.05 | 119  | 4184860  | 158.712  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene        | 12.01 | 146  | 2251380  | 155.771  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene        | 12.09 | 146  | 2267122  | 154.743  | ug/l   | 100      |
| 85) n-Butylbenzene             | 12.37 | 91   | 3820368  | 166.526  | ug/l   | 98       |
| 86) Hexachloroethane           | 12.58 | 117  | 889515   | 172.304  | ug/l   | 97       |
| 87) 1,2-Dichlorobenzene        | 12.38 | 146  | 2125753  | 151.336  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 377250   | 170.468  | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 1714906  | 171.808  | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 13.77 | 225  | 769405   | 188.884  | ug/l   | 97       |
| 91) Naphthalene                | 13.82 | 128  | 5237863  | 172.289  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 1624408  | 165.512  | ug/l   | 97       |
| -----                          |       |      |          |          |        |          |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072720\  
Data File : VX017611.D  
Acq On : 27 Jul 2020 10:54  
Operator : JC/SP  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

MMDadoda  
7/28/2020 10:31:26 AM

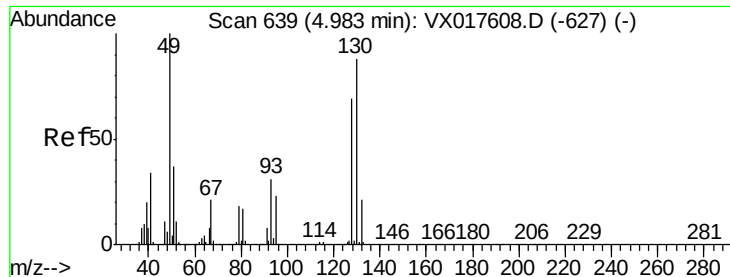
Quant Time: Jul 27 11:42:20 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 27 11:26:34 2020  
Response via : Initial Calibration

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

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





#1

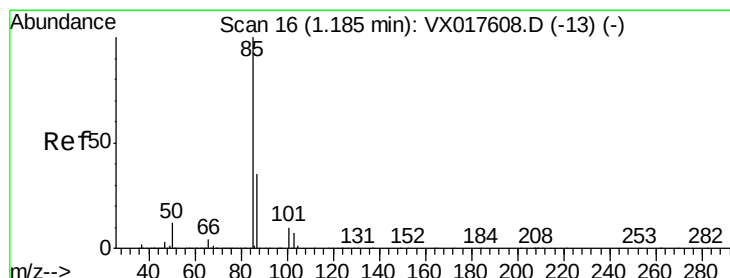
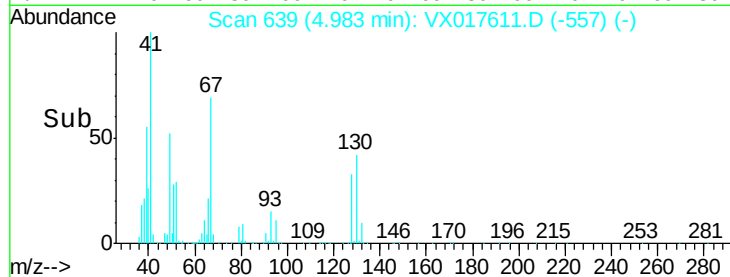
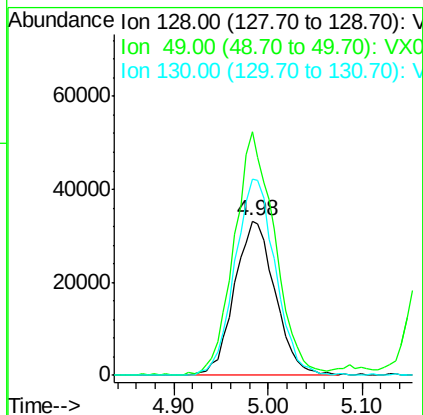
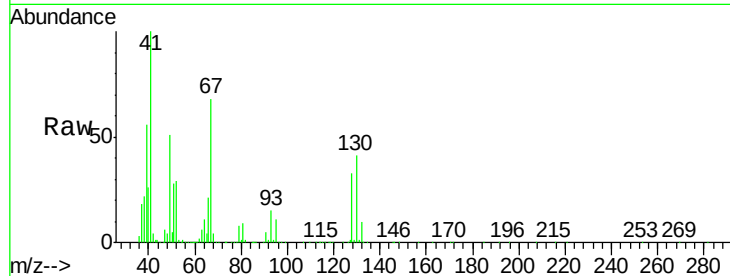
Bromochloromethane  
 Concen: 30.000 ug/l  
 RT: 4.98 min Scan# 639  
 Delta R.T. -0.00 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 154.2 | 0.0   | 376.0 |
| 130     | 126.5 | 0.0   | 323.0 |

Manual Integrations  
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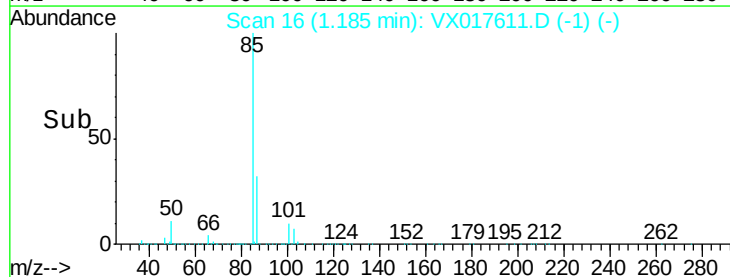
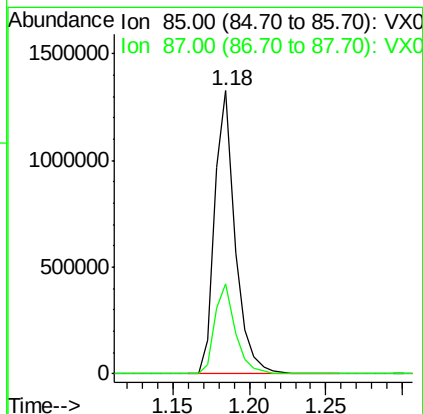
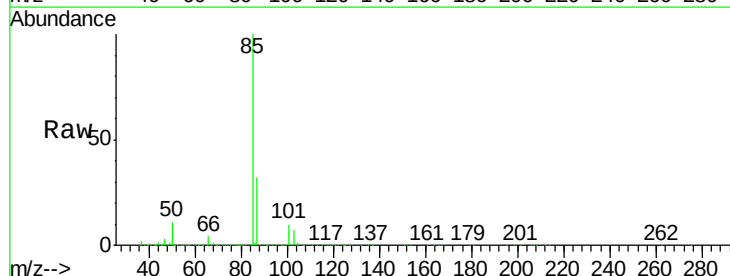
MMDadoda  
 7/28/2020 10:31:26 AM

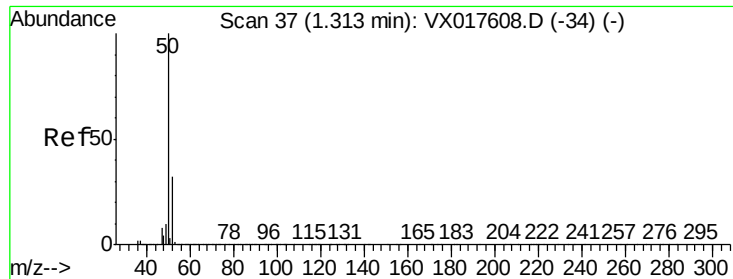


#2

Dichlorodifluoromethane  
 Concen: 239.762 ug/l  
 RT: 1.18 min Scan# 16  
 Delta R.T. -0.00 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 32.0  | 17.3  | 51.9  |





#3

Chloromethane

Concen: 230.049 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 1227521

Ion Ratio Lower Upper

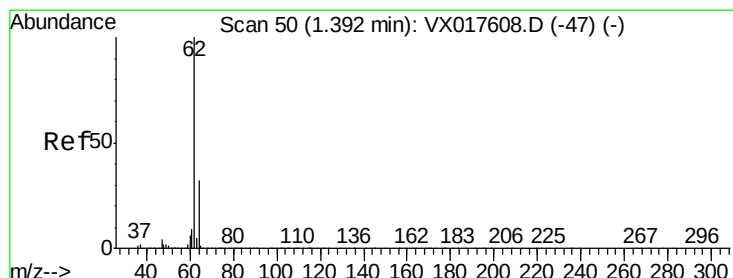
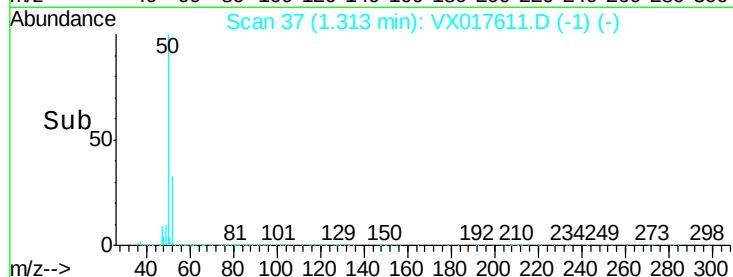
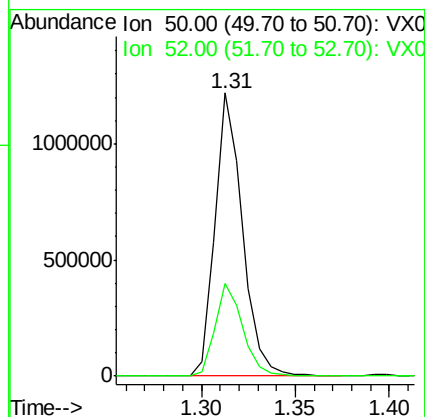
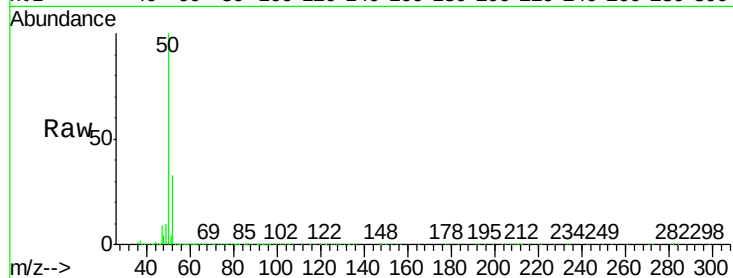
50 100

52 32.8 25.5 38.3

Manual Integrations  
APPROVED

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7/28/2020 10:31:26 AM



#4

Vinyl Chloride

Concen: 218.039 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017611.D

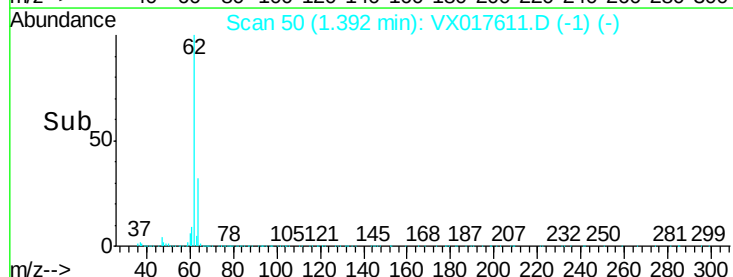
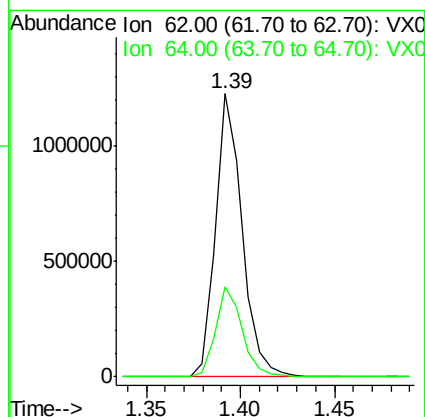
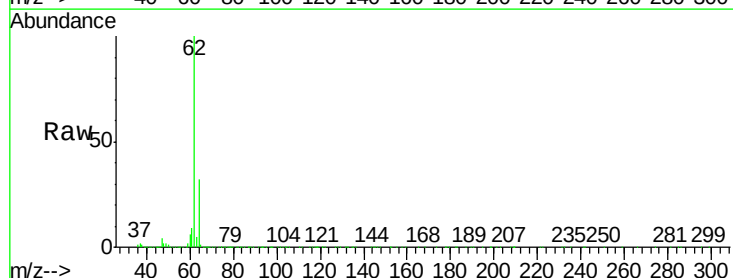
Acq: 27 Jul 2020 10:54

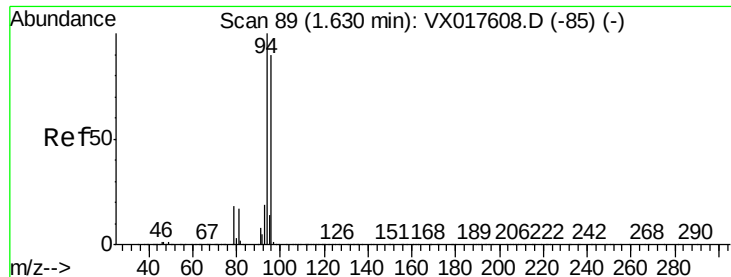
Tgt Ion: 62 Resp: 1197969

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 180.522 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 645189

Ion Ratio Lower Upper

94 100

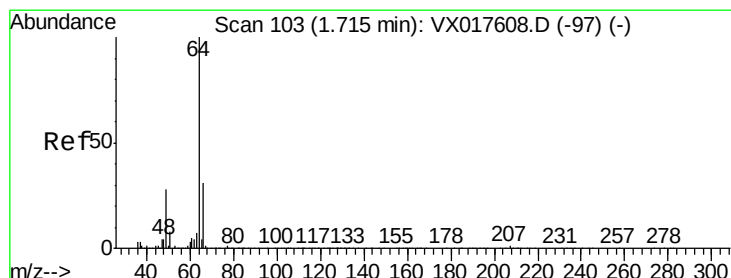
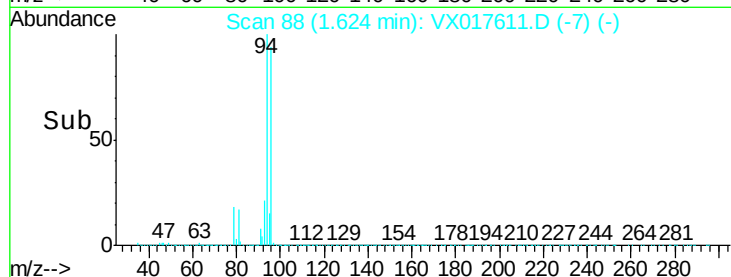
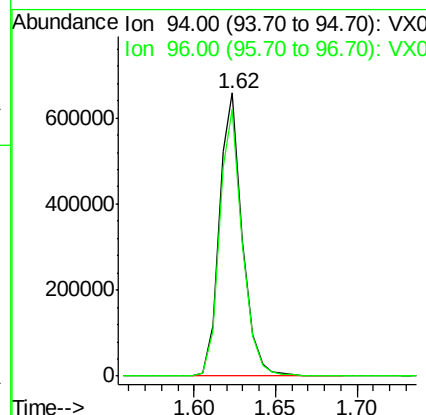
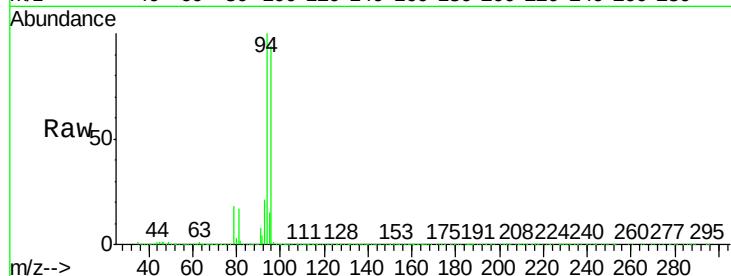
96 94.3 72.5 108.7

Manual Integrations

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7/28/2020 10:31:26 AM



#6

Chloroethane

Concen: 191.526 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.02 min

Lab File: VX017611.D

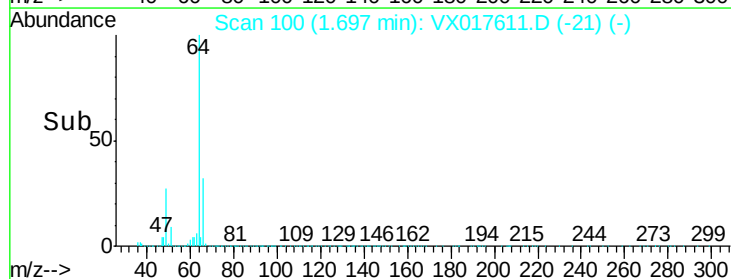
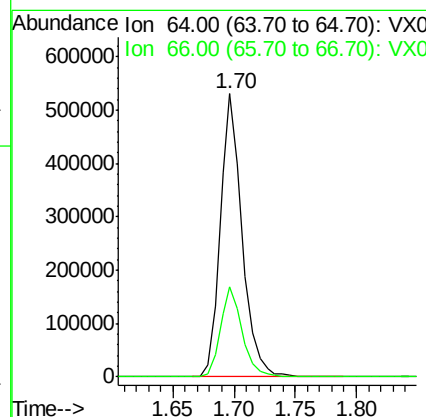
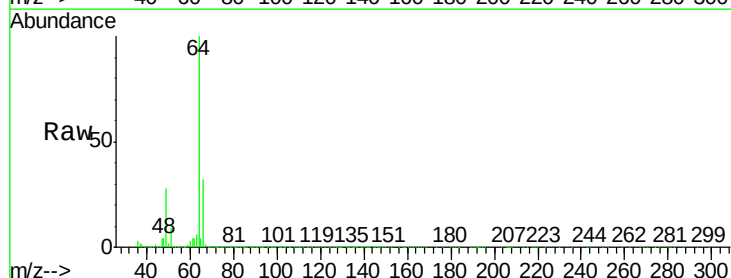
Acq: 27 Jul 2020 10:54

Tgt Ion: 64 Resp: 662011

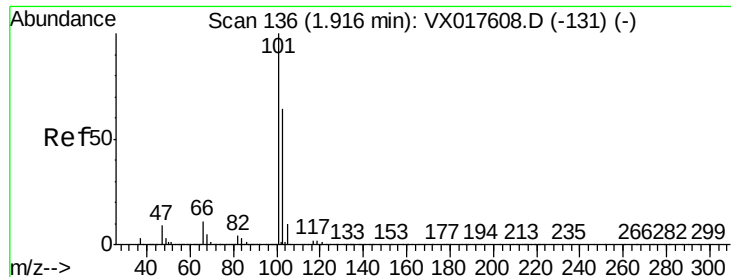
Ion Ratio Lower Upper

64 100

66 32.0 25.1 37.7







#7

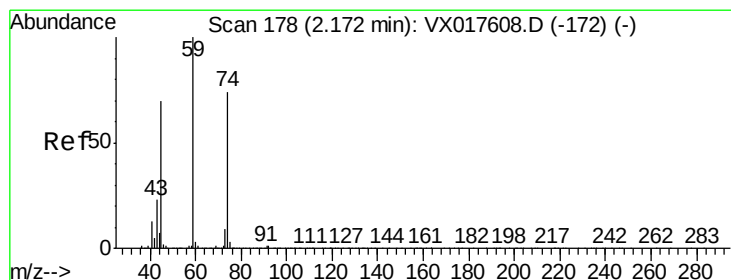
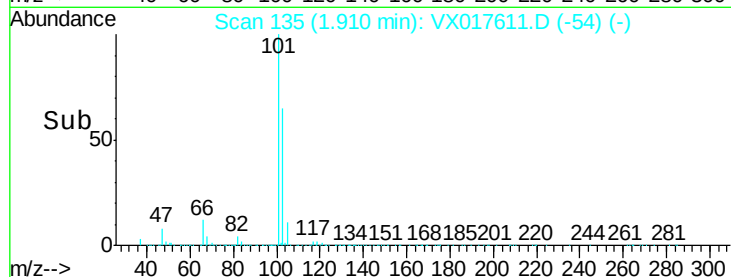
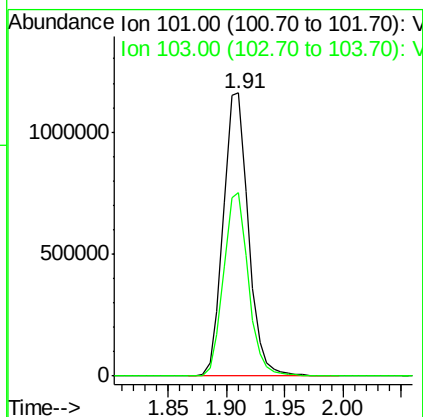
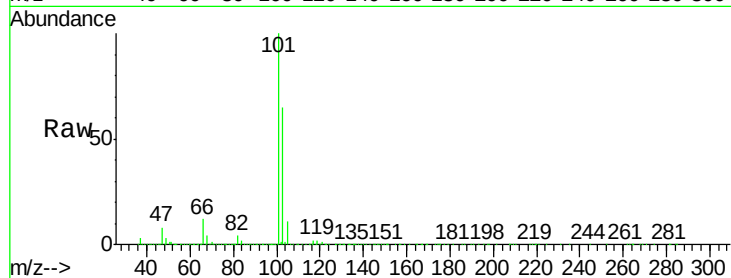
Trichlorofluoromethane  
Concen: 187.240 ug/l  
RT: 1.91 min Scan# 135  
Delta R.T. -0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.9  | 51.3  | 76.9  |

Manual Integrations  
APPROVED

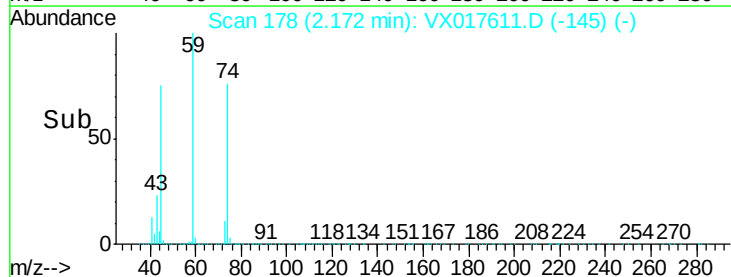
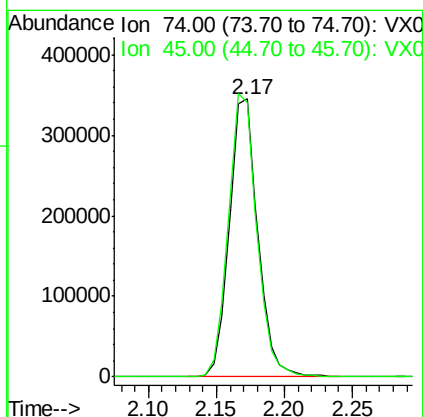
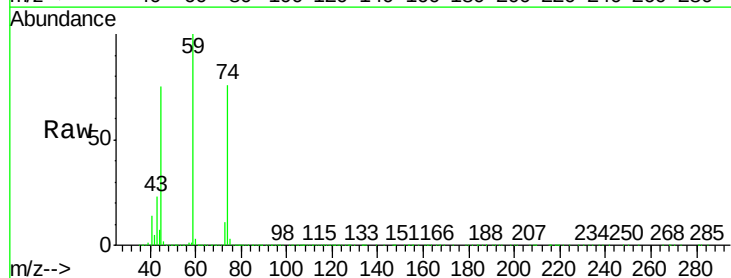
MMDadoda  
7/28/2020 10:31:26 AM



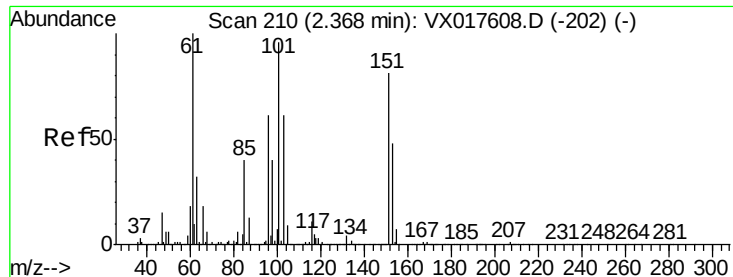
#8

Diethyl Ether  
Concen: 161.752 ug/l  
RT: 2.17 min Scan# 178  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 101.7 | 21.1  | 190.3 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 154.489 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

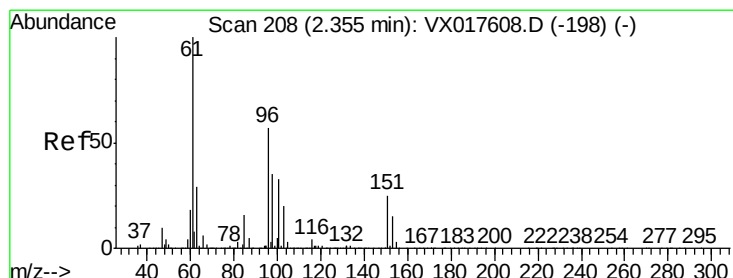
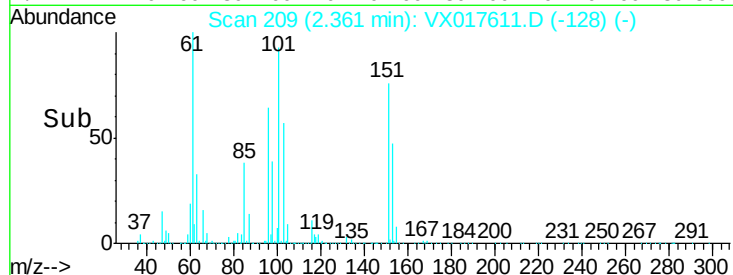
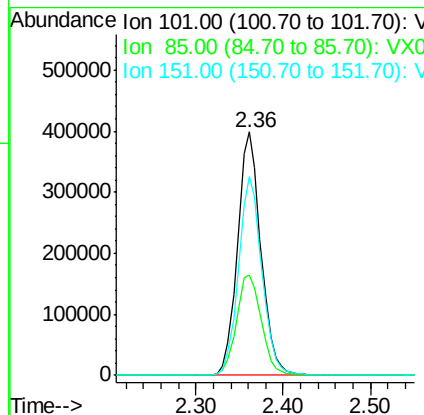
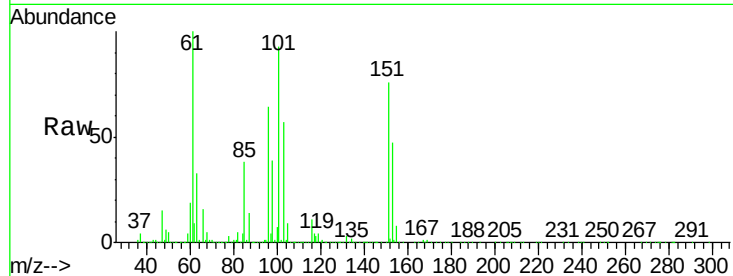
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 743596 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.8  | 0.0   | 90.6   |
| 151       | 81.8  | 0.0   | 163.2  |

Manual Integrations  
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7/28/2020 10:31:26 AM



#10

1,1-Dichloroethene

Concen: 147.078 ug/l

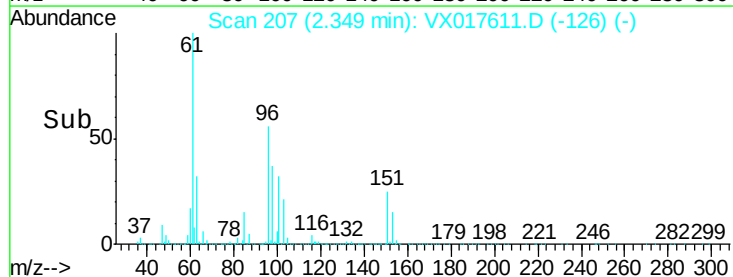
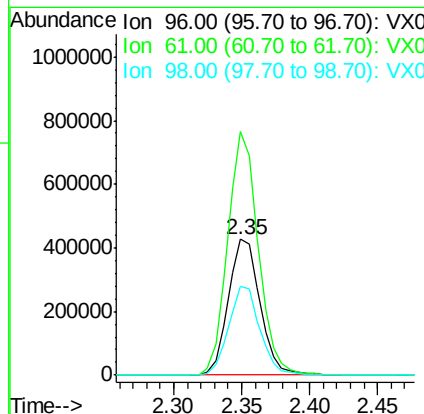
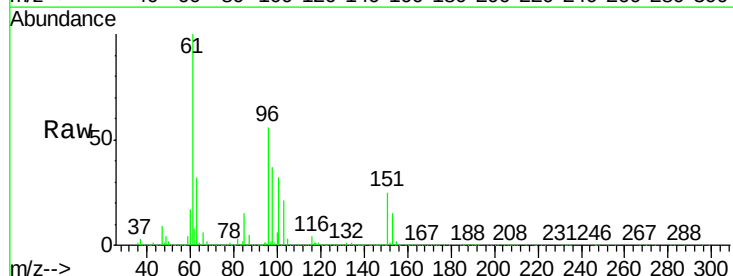
RT: 2.35 min Scan# 207

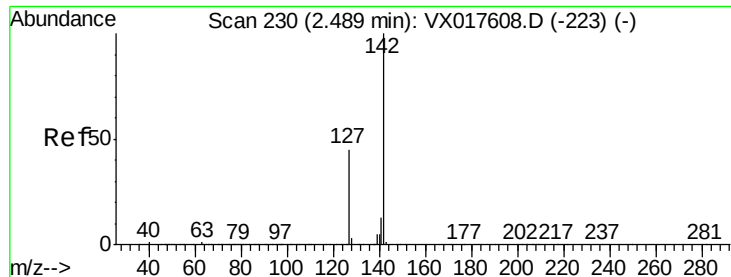
Delta R.T. -0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 96    | Resp: | 692789 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 179.6 | 141.2 | 211.8  |
| 98        | 65.8  | 49.4  | 74.2   |





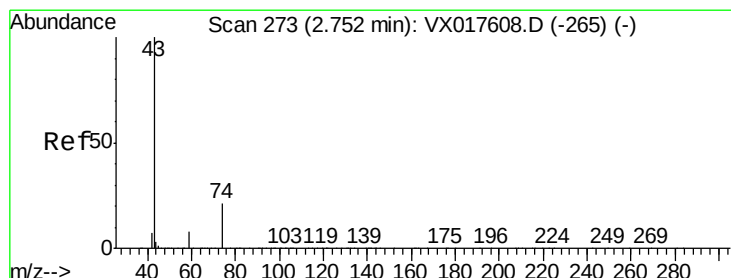
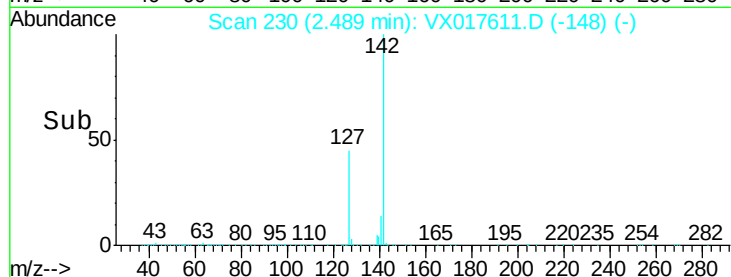
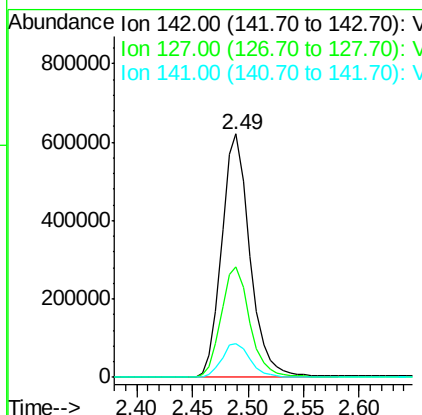
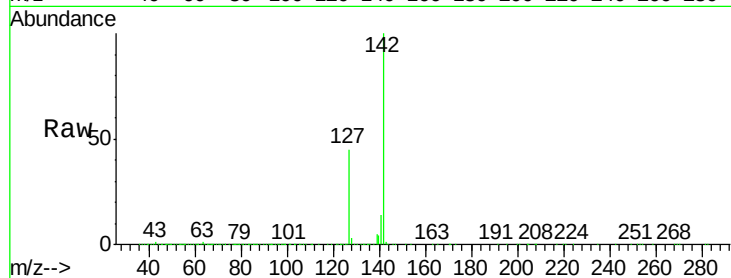
#11  
Methvl Iodide  
Concen: 193.184 ug/l  
RT: 2.49 min Scan# 230  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 45.2  | 22.4  | 67.0  |
| 141     | 14.1  | 6.6   | 19.7  |

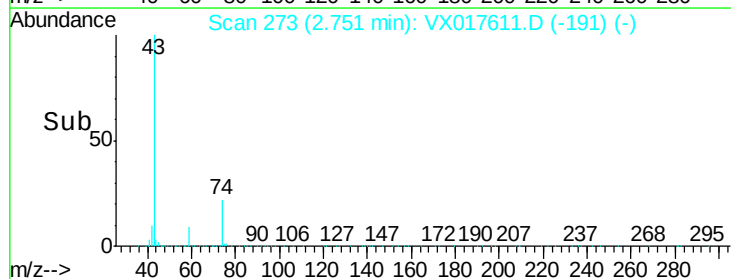
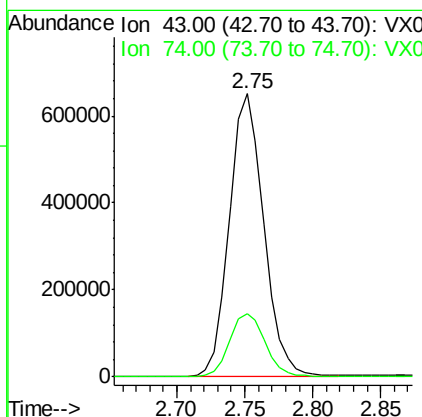
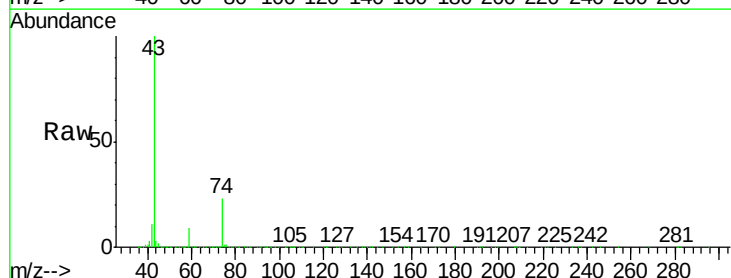
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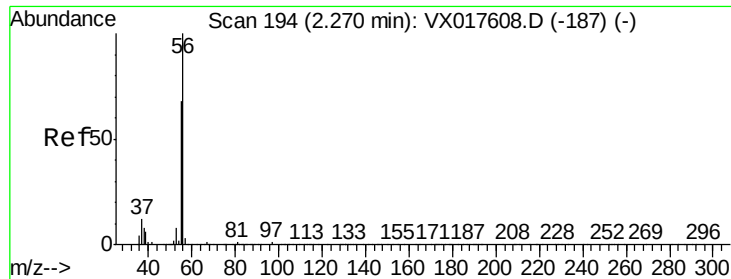
MMDadoda  
7/28/2020 10:31:26 AM



#12  
Methyl Acetate  
Concen: 171.454 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.4  | 17.1  | 25.7  |





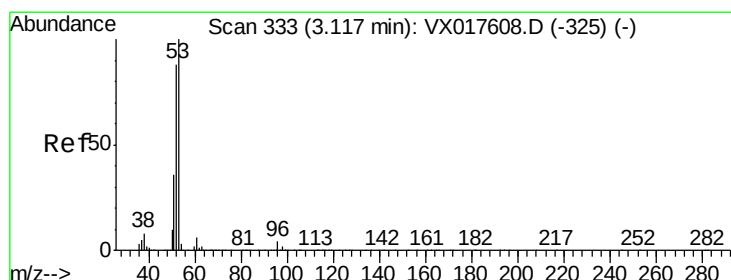
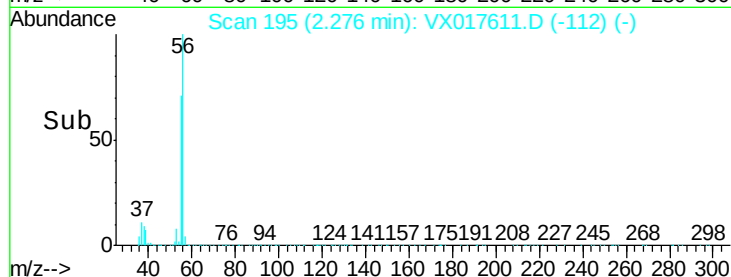
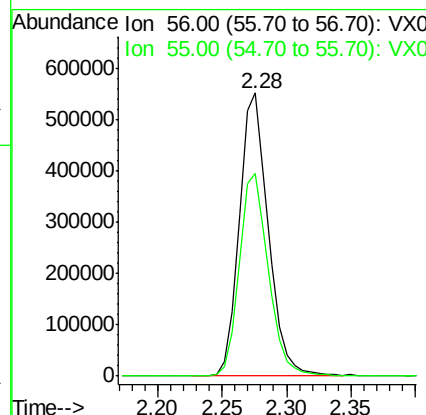
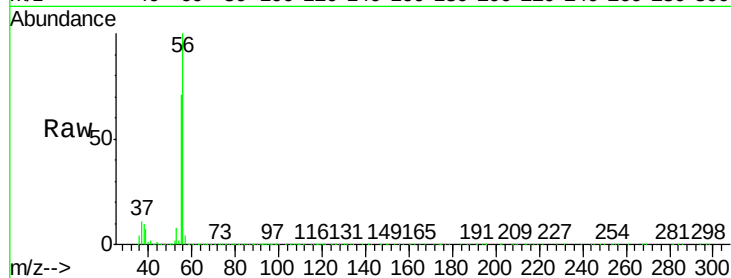
#13  
Acrolein  
Concen: 991.232 ug/l  
RT: 2.28 min Scan# 195  
Delta R.T. 0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 71.8  | 57.2  | 85.8  |

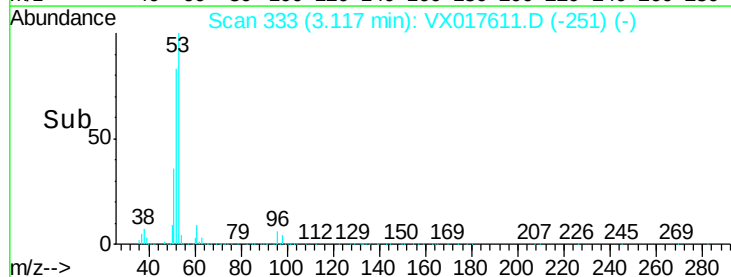
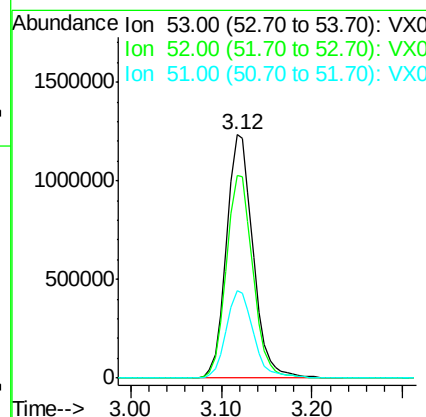
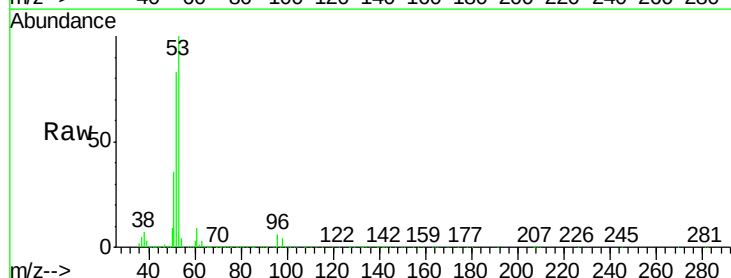
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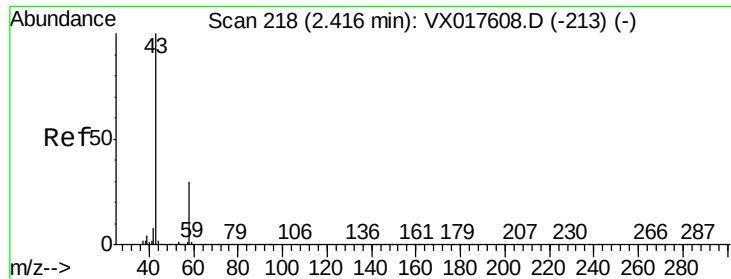
MMDadoda  
7/28/2020 10:31:26 AM



#14  
Acrylonitrile  
Concen: 854.386 ug/l  
RT: 3.12 min Scan# 333  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 83.2  | 41.4  | 124.4 |
| 51      | 36.7  | 18.4  | 55.2  |





#15

Acetone

Concen: 858.659 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 656764

Ion Ratio Lower Upper

58 100

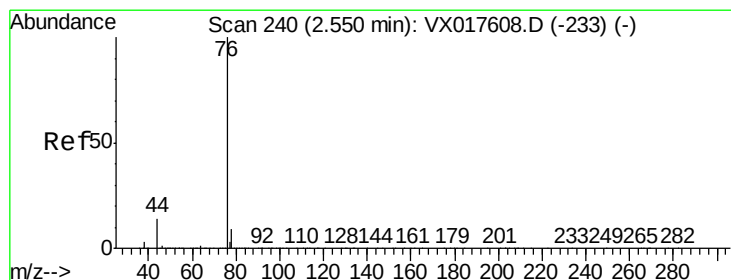
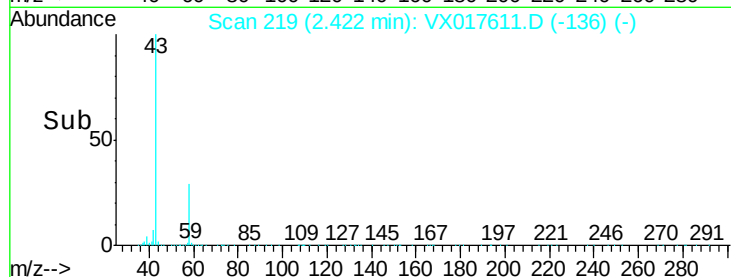
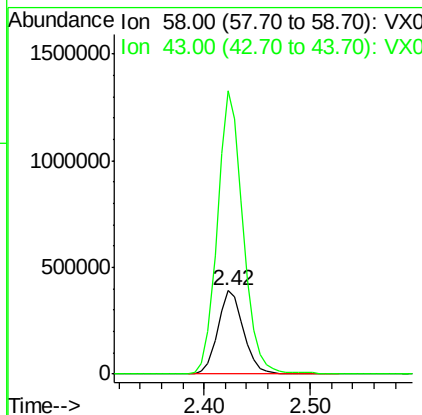
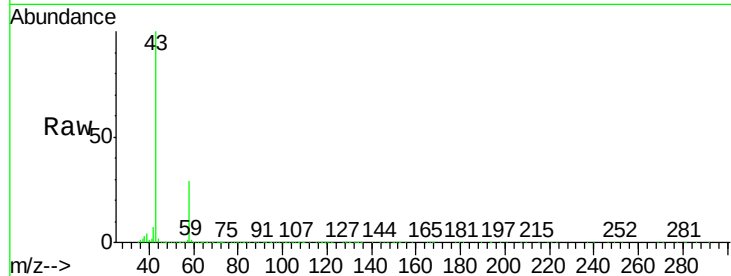
43 340.4 268.6 402.8

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#16

Carbon Disulfide

Concen: 156.812 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX017611.D

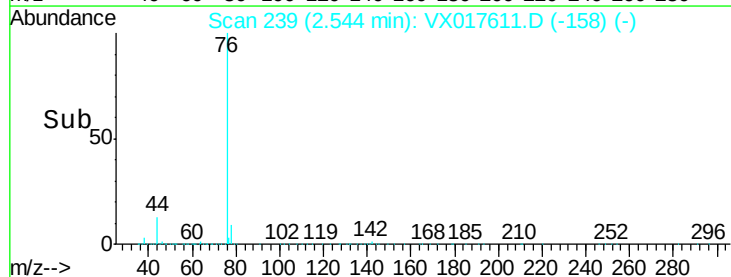
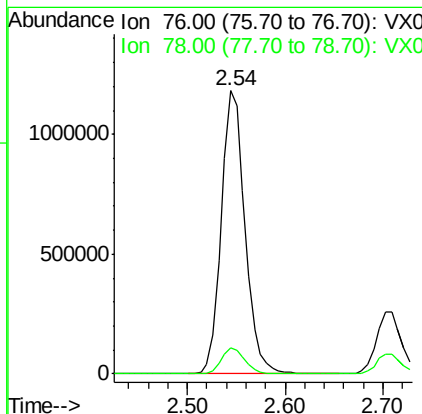
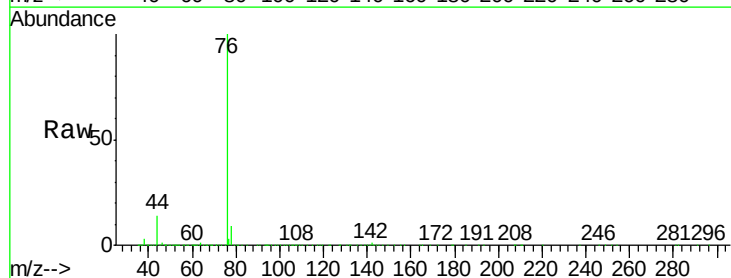
Acq: 27 Jul 2020 10:54

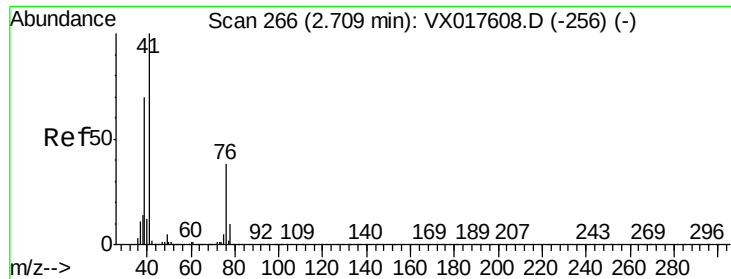
Tgt Ion: 76 Resp: 1984430

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3





#17

Allvl chloride

Concen: 160.756 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tot Ion: 41 Resp: 1417675

Ion Ratio Lower Upper

41 100

39 70.1 34.8 104.5

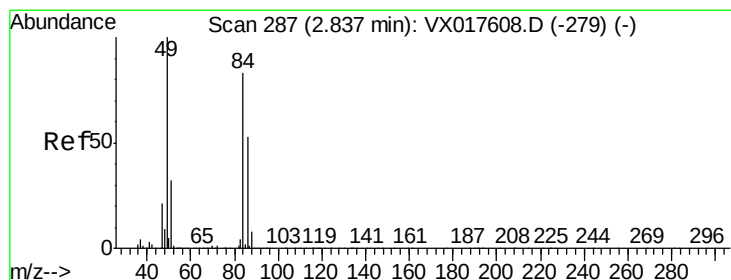
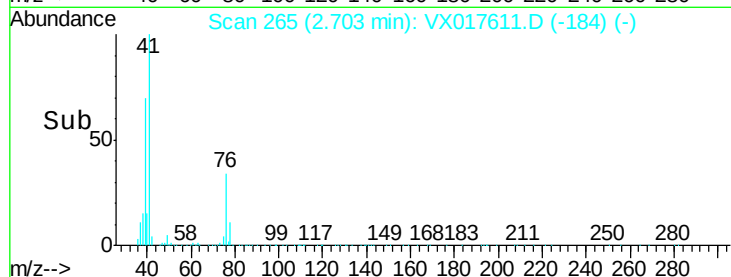
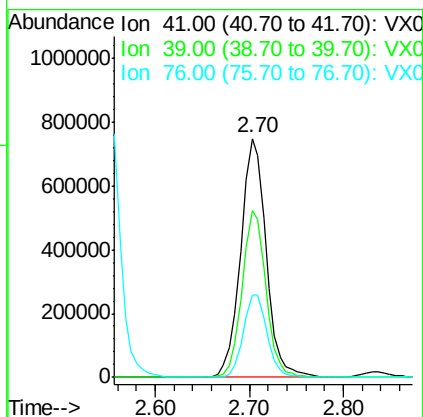
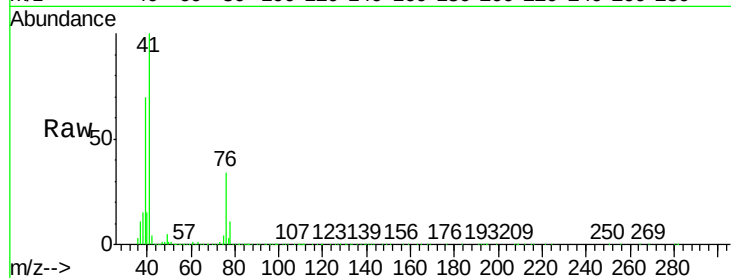
76 34.3 19.1 57.3

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#18

Methylene Chloride

Concen: 146.884 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Tgt Ion: 84 Resp: 847243

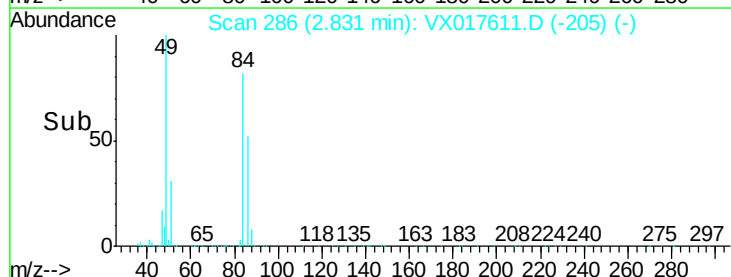
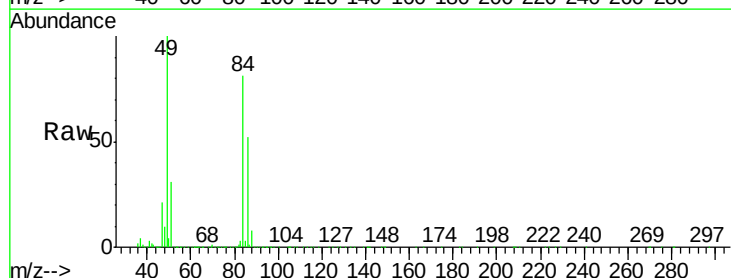
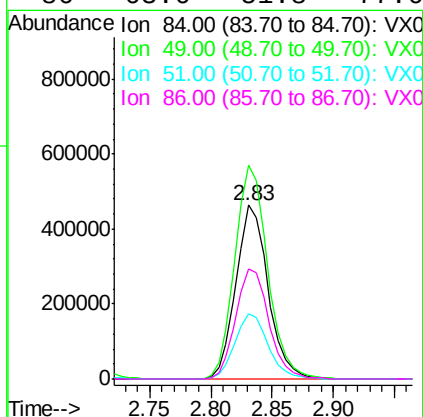
Ion Ratio Lower Upper

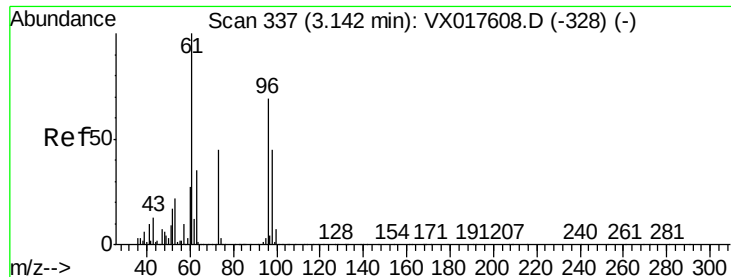
84 100

49 122.9 96.7 145.1

51 37.6 31.0 46.4

86 63.6 51.8 77.6





#19

trans-1,2-Dichloroethene

Concen: 148.282 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

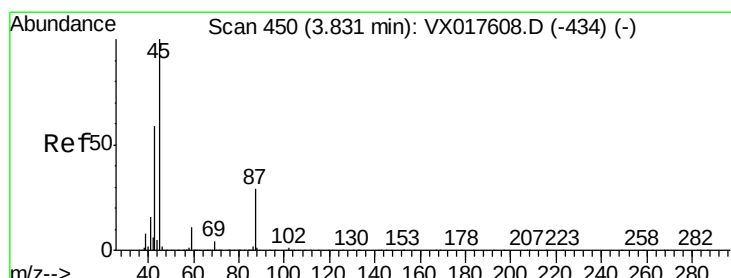
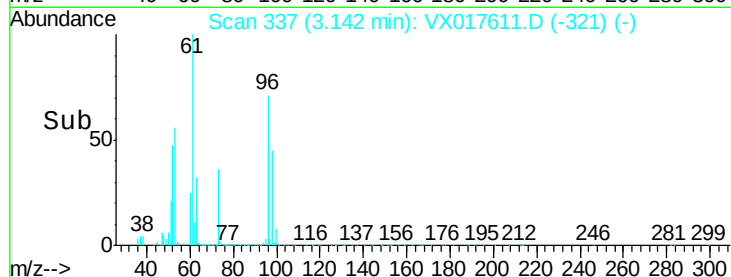
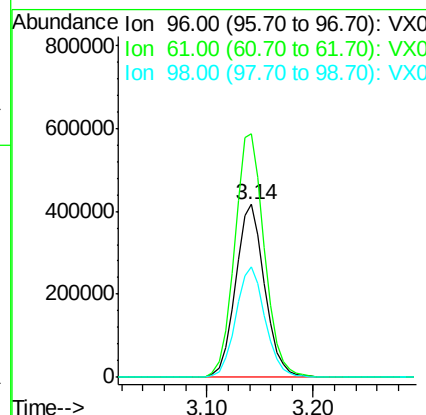
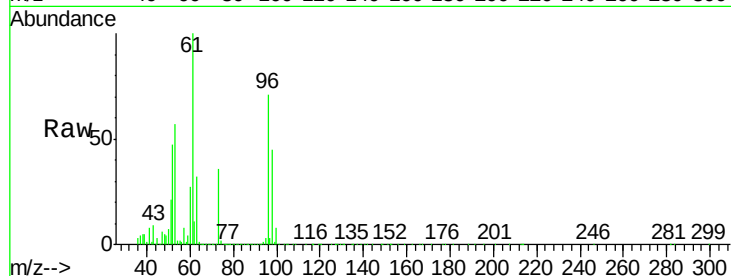
ClientSampleId :

VSTDIC150

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 797610 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 140.8 | 115.0 | 172.6  |
| 98        | 63.7  | 51.6  | 77.4   |

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#20

Diisopropyl ether

Concen: 154.167 ug/l

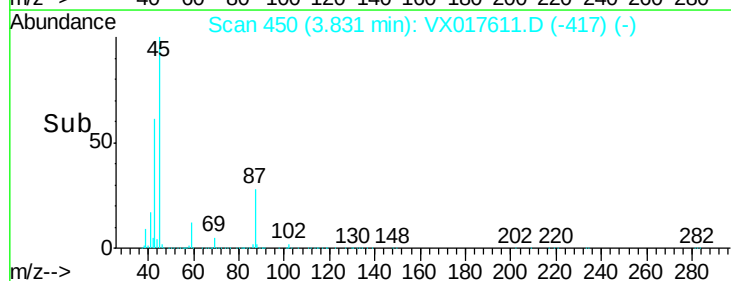
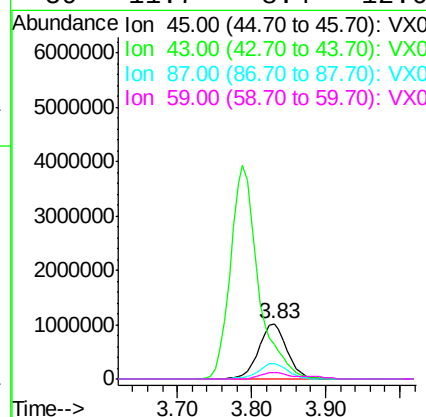
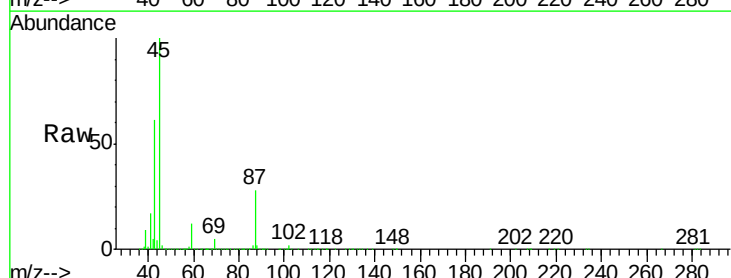
RT: 3.83 min Scan# 450

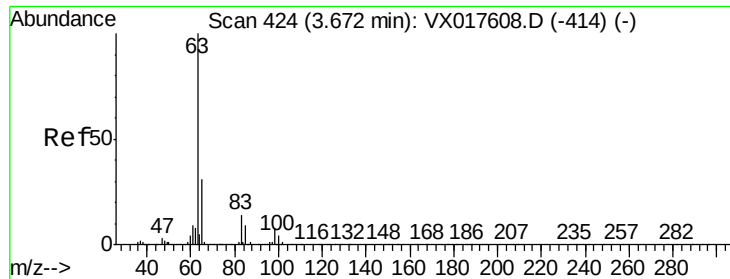
Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 45    | Resp: | 2703195 |
| Ion Ratio | Lower | Upper |         |
| 45        | 100   |       |         |
| 43        | 61.2  | 47.4  | 71.0    |
| 87        | 28.1  | 23.3  | 34.9    |
| 59        | 11.7  | 8.4   | 12.6    |





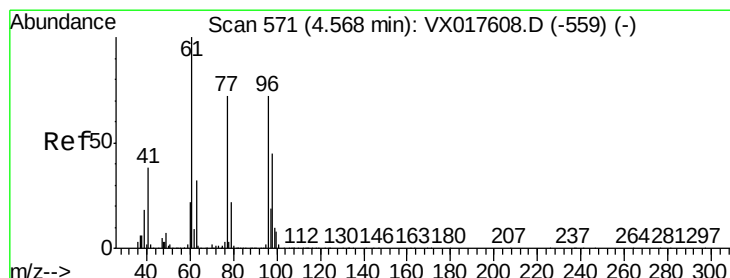
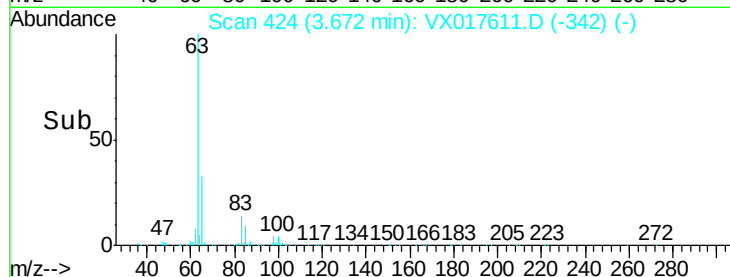
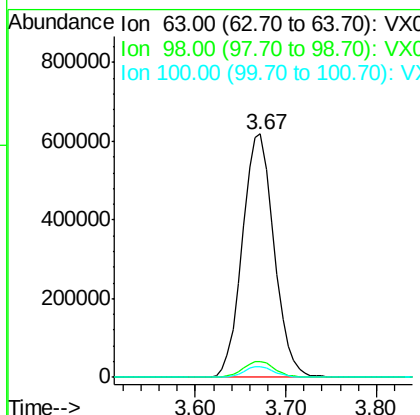
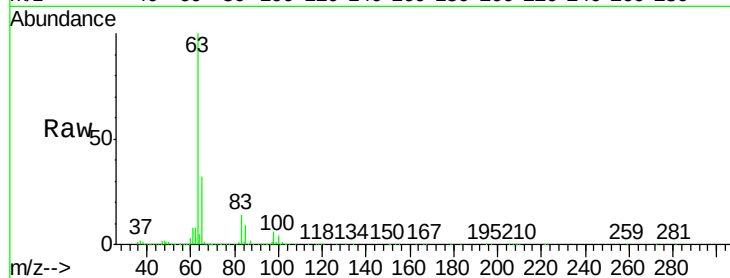
#21  
1,1-Dichloroethane  
Concen: 154.034 ug/l  
RT: 3.67 min Scan# 424  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | 63    | Resp  | 1497865 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 63      | 100   |       |         |
| 98      | 6.5   | 3.9   | 11.7    |
| 100     | 4.4   | 1.9   | 5.7     |

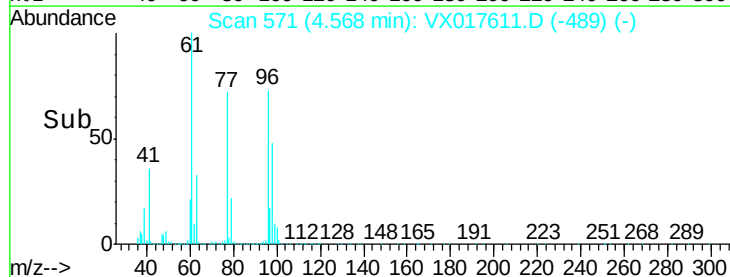
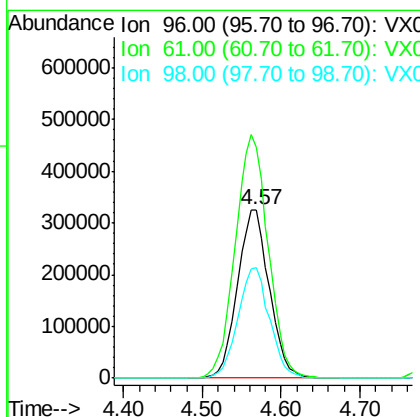
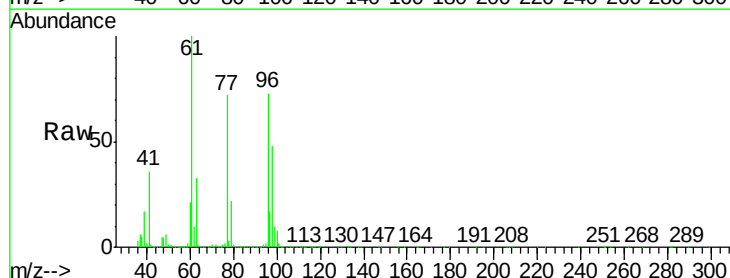
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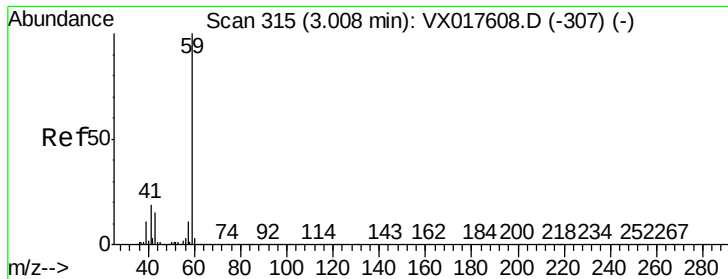


#22  
cis-1,2-Dichloroethene  
Concen: 146.676 ug/l  
RT: 4.57 min Scan# 571  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | 96    | Resp  | 910460 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 96      | 100   |       |        |
| 61      | 149.9 | 121.1 | 181.7  |
| 98      | 65.3  | 51.4  | 77.2   |







#23

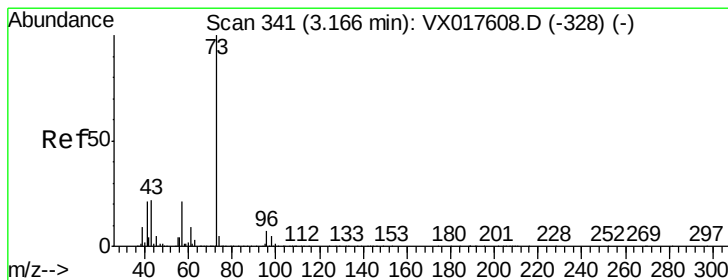
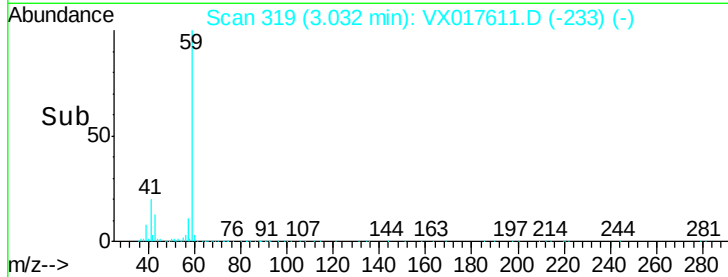
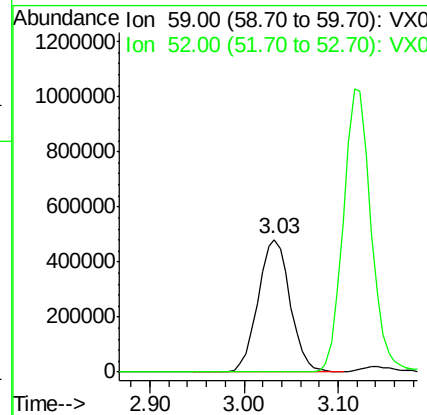
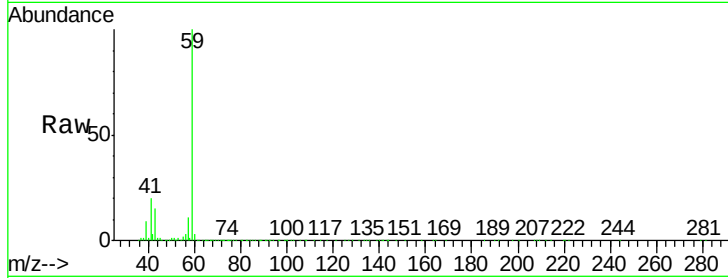
tert-Butyl Alcohol  
Concen: 911.715 ug/l  
RT: 3.03 min Scan# 319  
Delta R.T. 0.02 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tot Ion: 59 Resp: 1153617  
Ion Ratio Lower Upper  
59 100  
52 0.2 0.2 0.4#

Manual Integrations  
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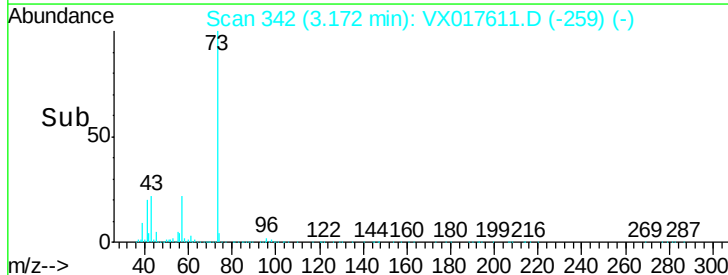
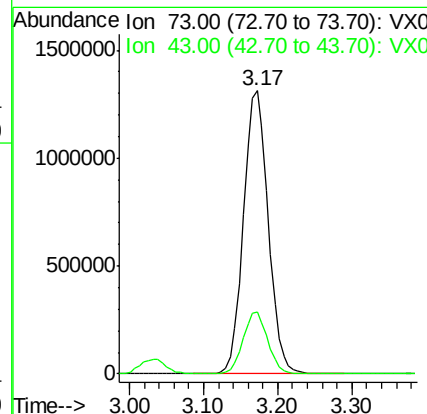
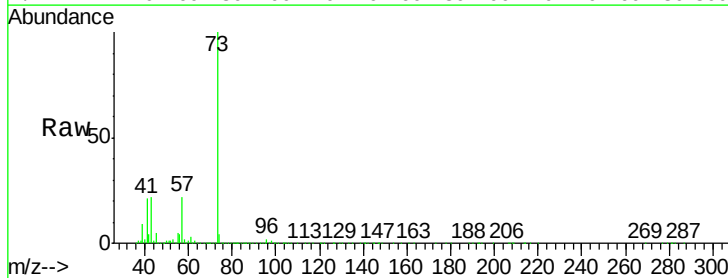
MMDadoda  
7/28/2020 10:31:26 AM

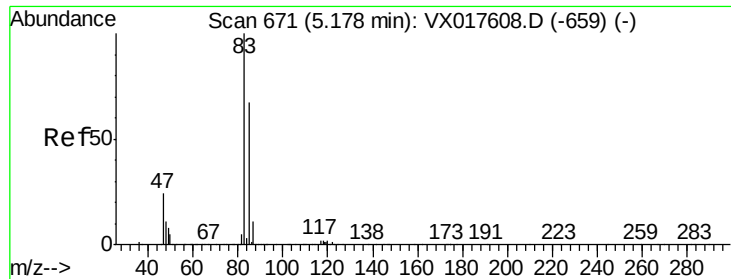


#24

Methyl tert-Butyl Ether  
Concen: 168.290 ug/l  
RT: 3.17 min Scan# 342  
Delta R.T. 0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Tgt Ion: 73 Resp: 3056130  
Ion Ratio Lower Upper  
73 100  
43 21.7 18.1 27.1





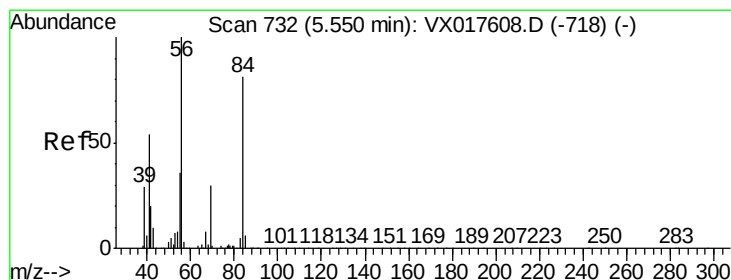
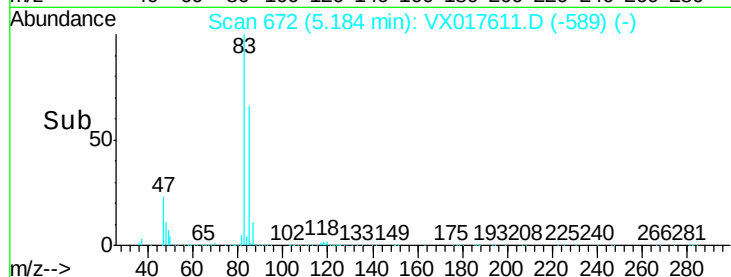
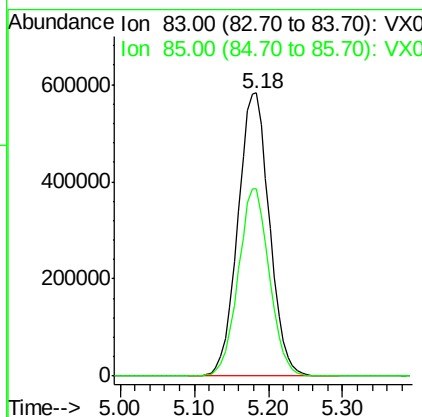
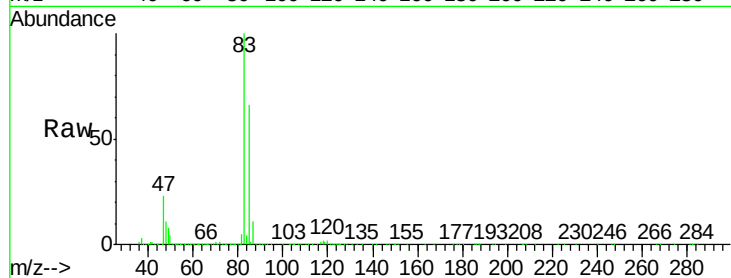
#25  
Chloroform  
Concen: 164.472 ug/l  
RT: 5.18 min Scan# 672  
Delta R.T. 0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tot Ion: 83 Resp: 1731119  
Ion Ratio Lower Upper  
83 100  
85 66.0 53.7 80.5

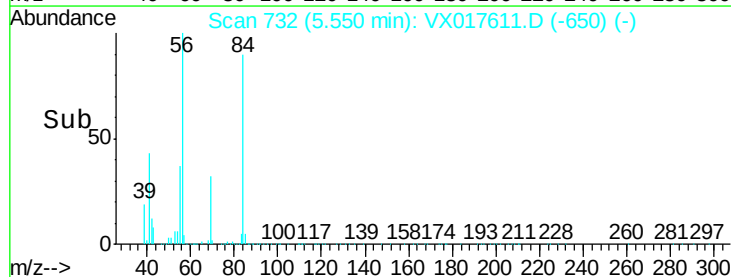
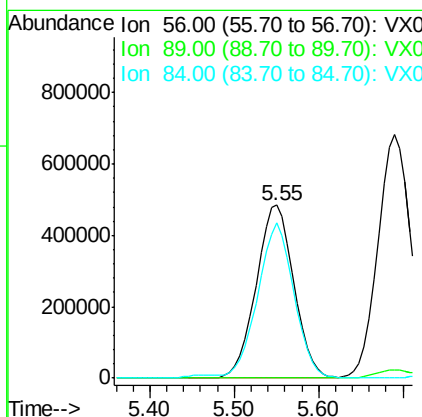
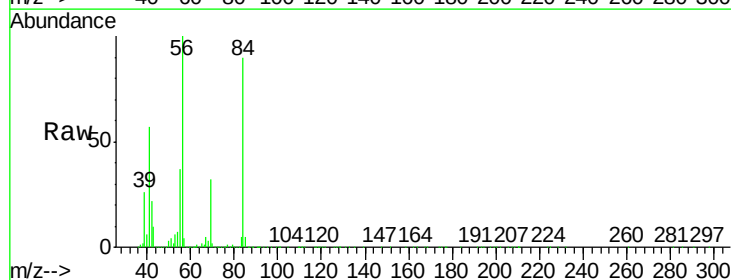
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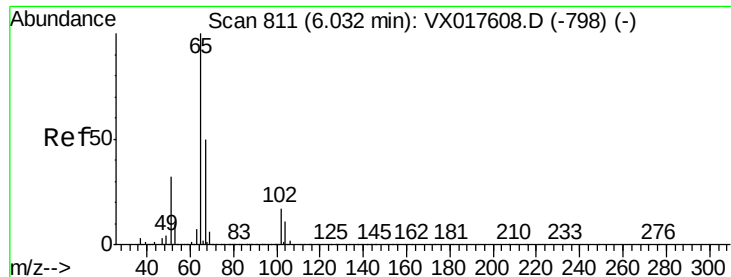
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#26  
Cyclohexane  
Concen: 190.890 ug/l  
RT: 5.55 min Scan# 732  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Tgt Ion: 56 Resp: 1485113  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0#  
84 86.9 69.3 103.9





#27

1,2-Dichloroethane-d4

Concen: 33.566 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Tot Ion: 65 Resp: 243008

Ion Ratio Lower Upper

65 100

67 50.7 40.6 61.0

Instrument :

MSVOA\_X

ClientSampled :

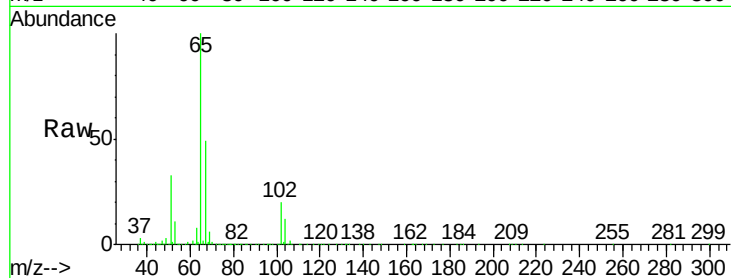
VSTDIC150

Manual Integrations

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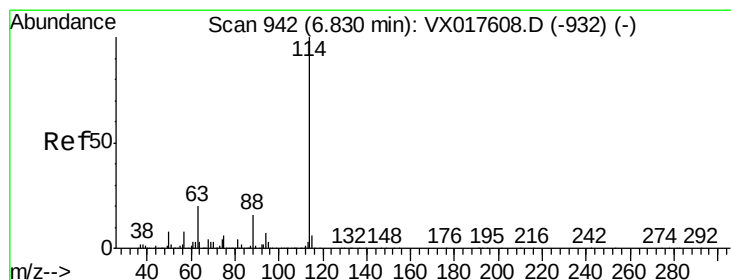
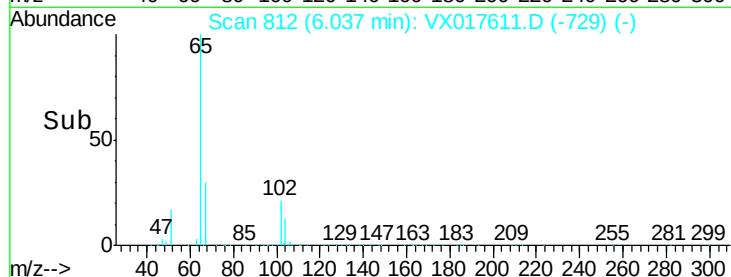
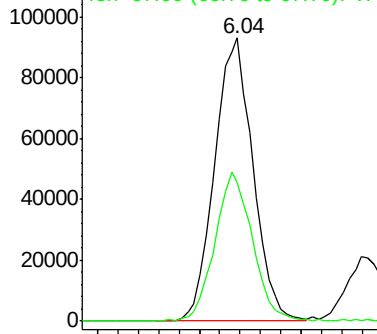
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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

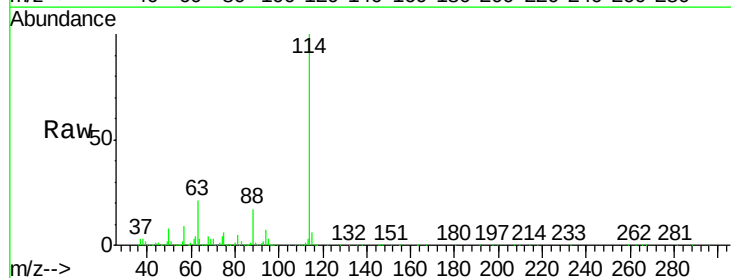
Tgt Ion: 114 Resp: 561471

Ion Ratio Lower Upper

114 100

63 20.6 16.3 24.5

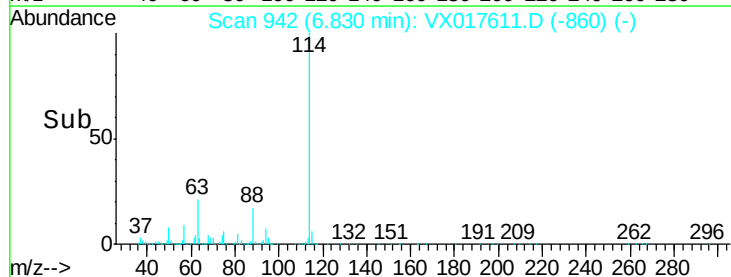
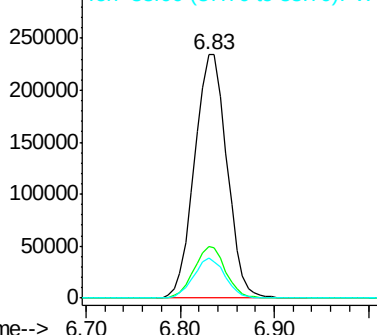
88 15.9 12.6 18.8

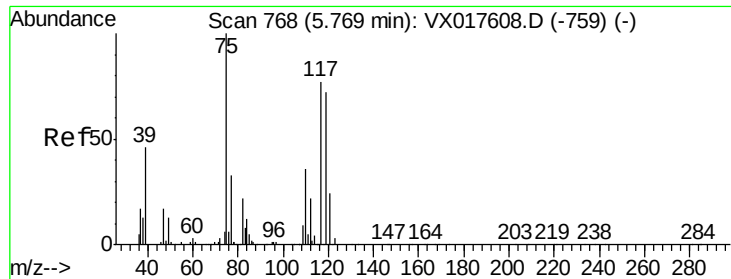


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





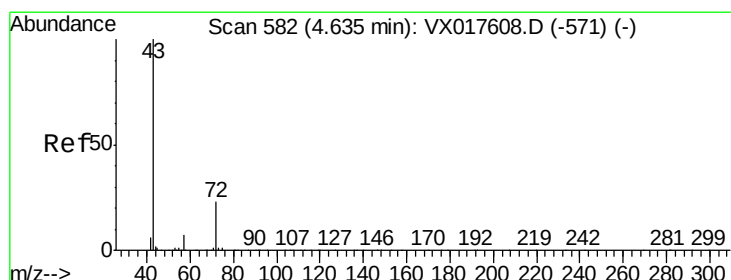
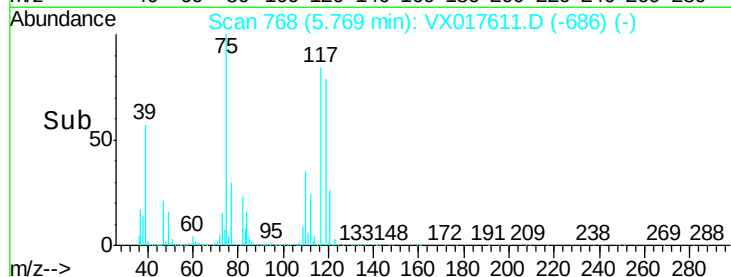
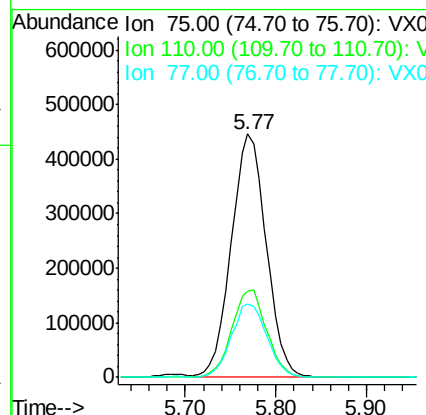
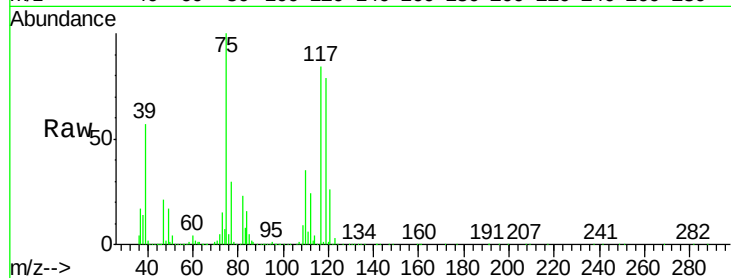
#29  
 1,1-Dichloropropene  
 Concen: 149.840 ug/l  
 RT: 5.77 min Scan# 768  
 Delta R.T. -0.00 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.6  | 0.0   | 75.4  |
| 77      | 30.6  | 0.0   | 63.2  |

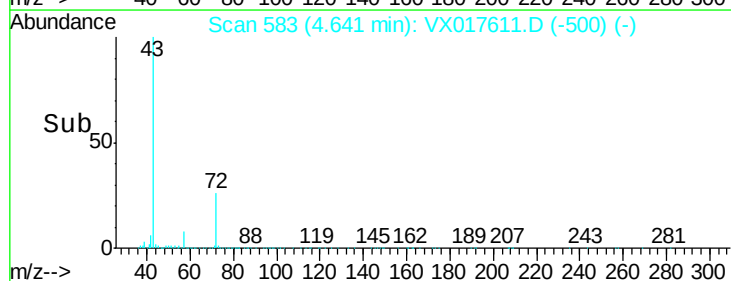
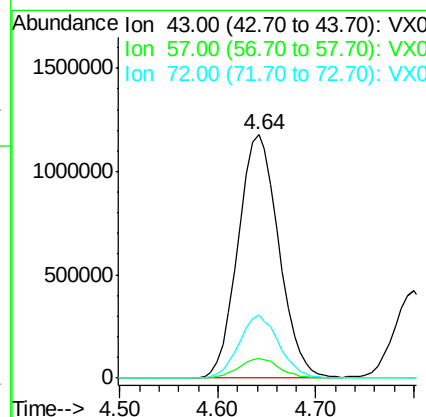
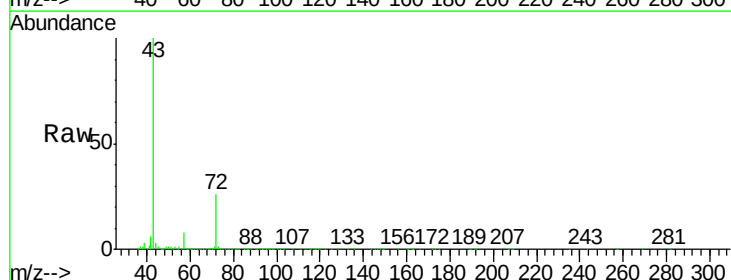
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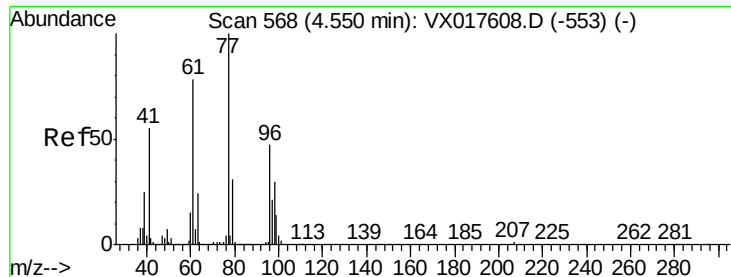
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 7/28/2020 10:31:26 AM



#30  
 2-Butanone  
 Concen: 775.495 ug/l  
 RT: 4.64 min Scan# 583  
 Delta R.T. 0.01 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 57      | 8.1   | 6.5   | 9.7   |
| 72      | 25.2  | 19.8  | 29.6  |





#31

2,2-Dichloropropane

Concen: 138.772 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tot Ion: 77 Resp: 1402348

Ion Ratio Lower Upper

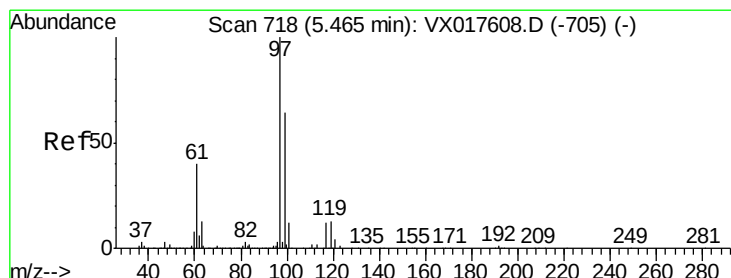
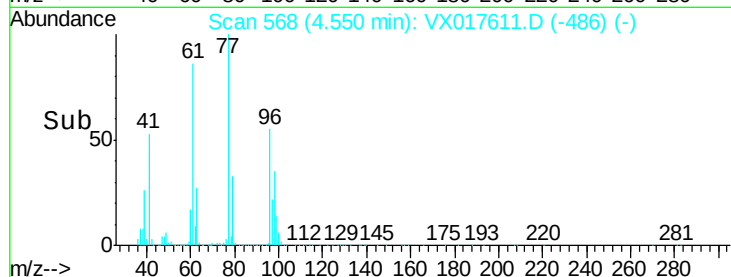
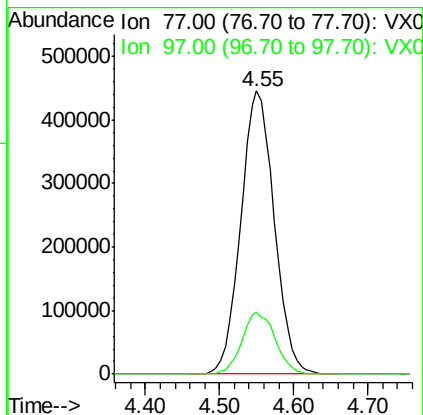
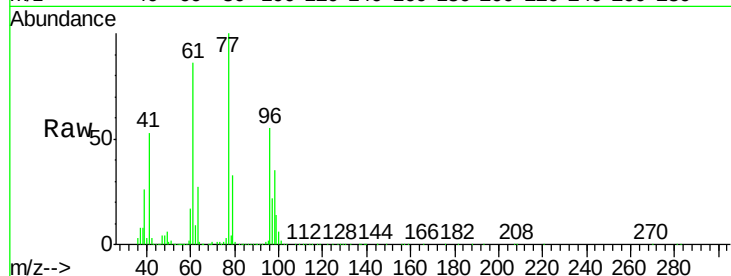
77 100

97 21.9 17.6 26.4

Manual Integrations  
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#32

1,1,1-Trichloroethane

Concen: 152.055 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

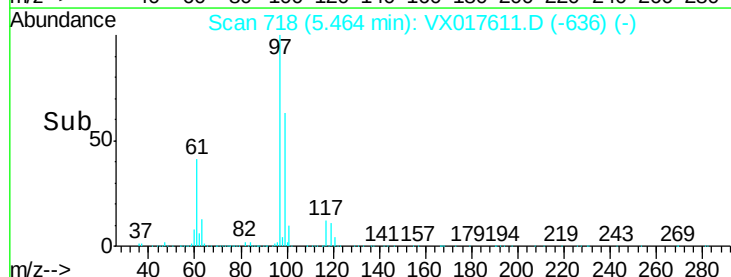
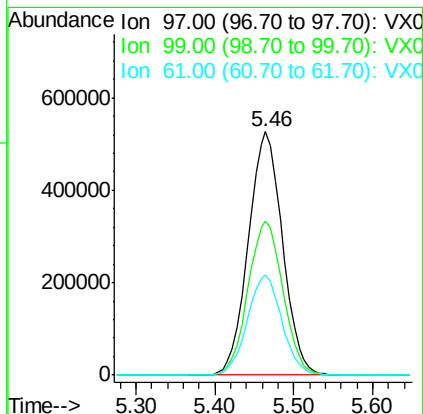
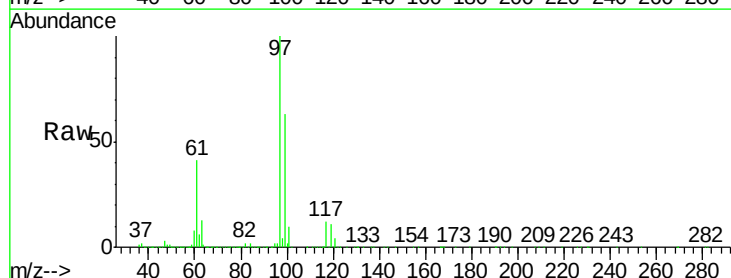
Tgt Ion: 97 Resp: 1587244

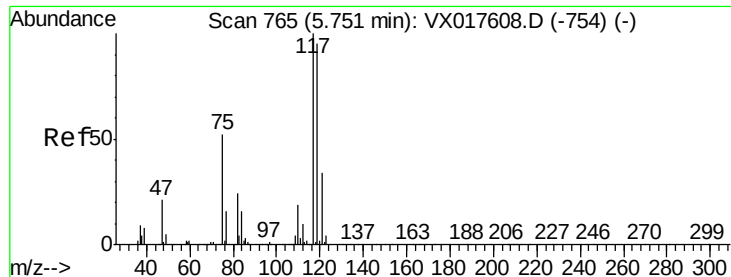
Ion Ratio Lower Upper

97 100

99 64.5 50.6 75.8

61 41.7 32.6 48.8





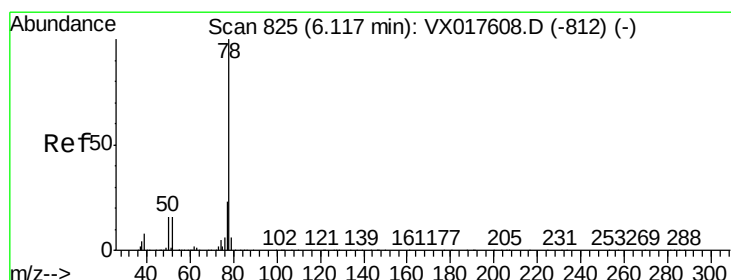
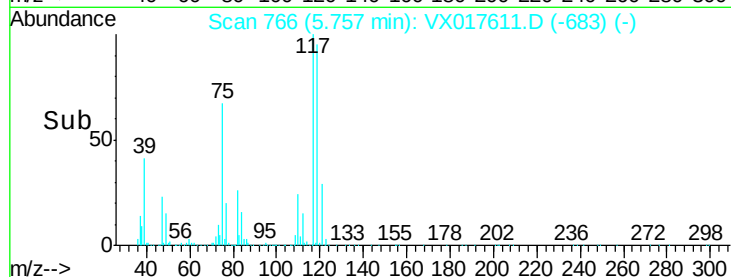
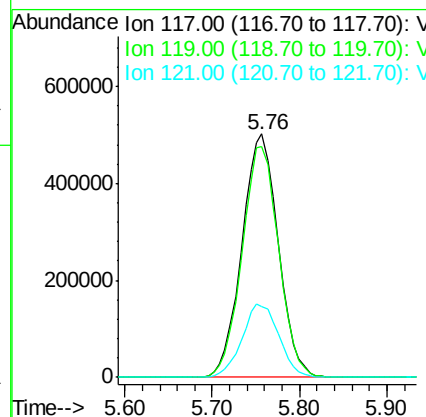
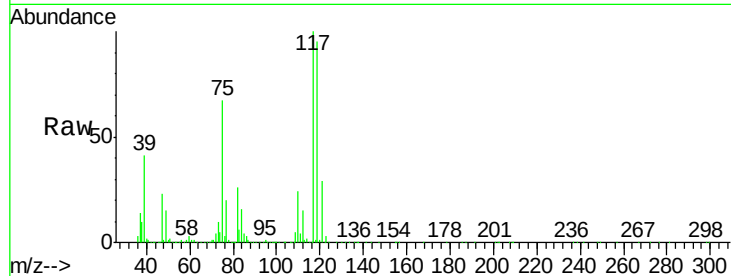
#33  
Carbon Tetrachloride  
Concen: 149.050 ug/l  
RT: 5.76 min Scan# 766  
Delta R.T. 0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tot Ion:117 Resp: 1444199  
Ion Ratio Lower Upper  
117 100  
119 95.1 76.2 114.2  
121 29.1 26.8 40.2

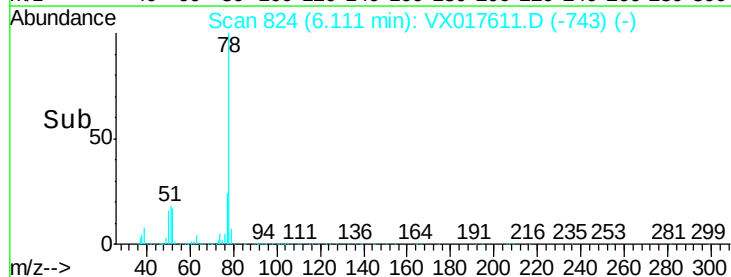
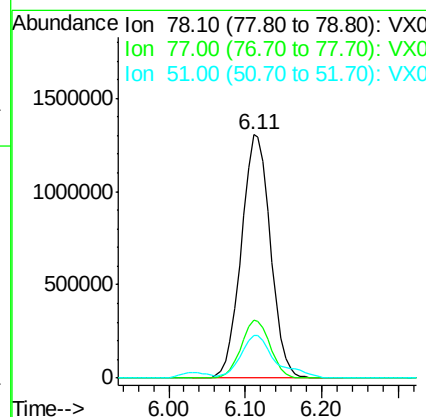
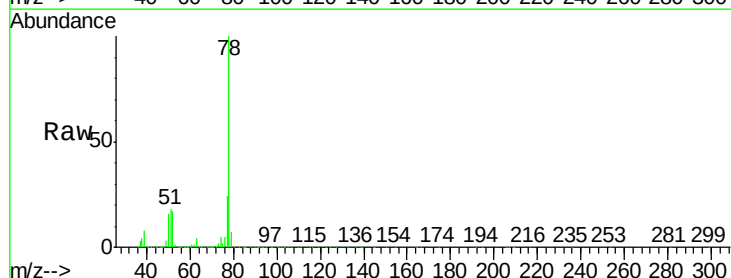
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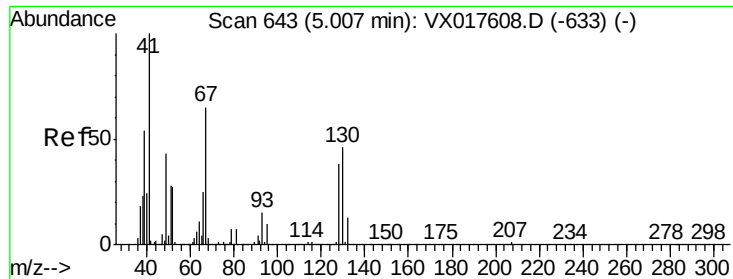
MMDadoda  
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#34  
Benzene  
Concen: 147.994 ug/l  
RT: 6.11 min Scan# 824  
Delta R.T. -0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Tgt Ion: 78 Resp: 3442317  
Ion Ratio Lower Upper  
78 100  
77 23.7 18.3 27.5  
51 17.6 12.3 18.5





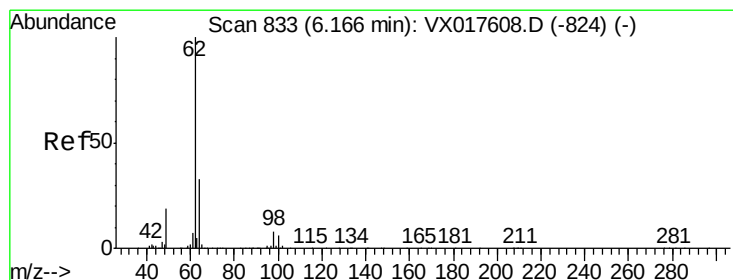
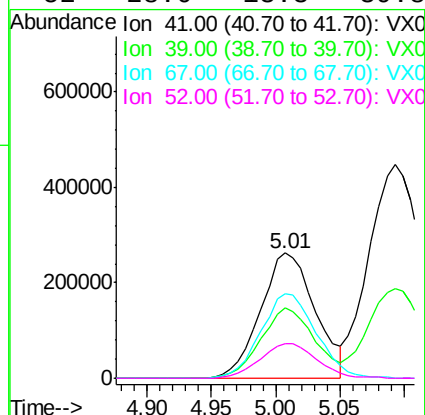
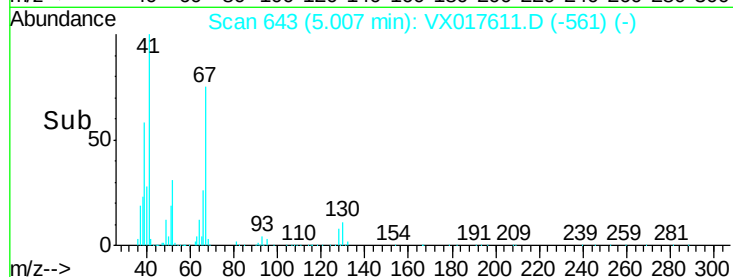
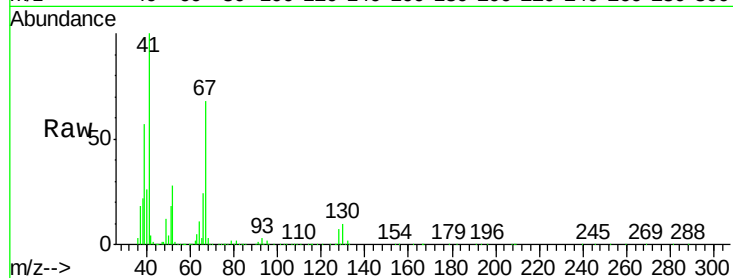
#35  
Methacrylonitrile  
Concen: 156.826 ug/l  
RT: 5.01 min Scan# 643  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 56.4 | 27.0  | 81.0  |       |
| 67      | 68.0 | 32.4  | 97.0  |       |
| 52      | 28.0 | 13.3  | 39.8  |       |

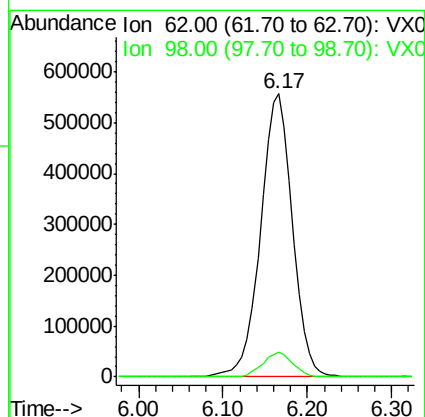
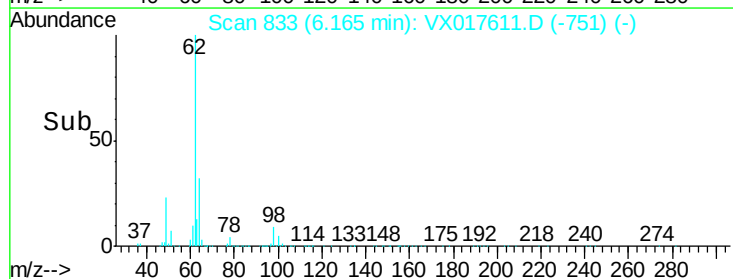
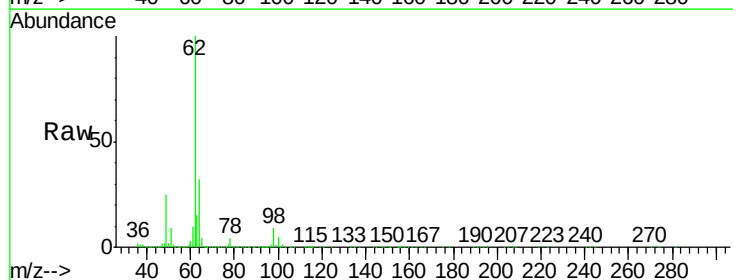
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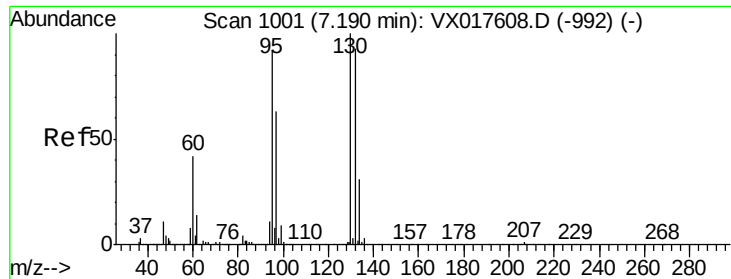
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#36  
1,2-Dichloroethane  
Concen: 155.072 ug/l  
RT: 6.17 min Scan# 833  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 8.4 | 6.6   | 10.0  |       |





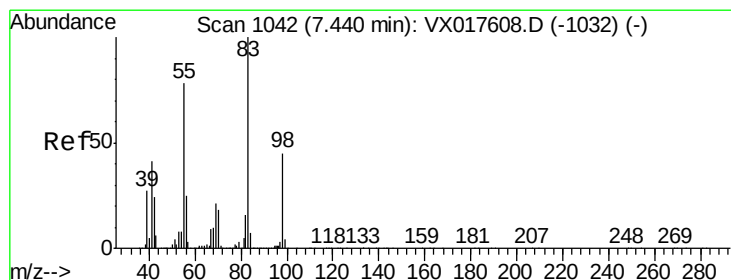
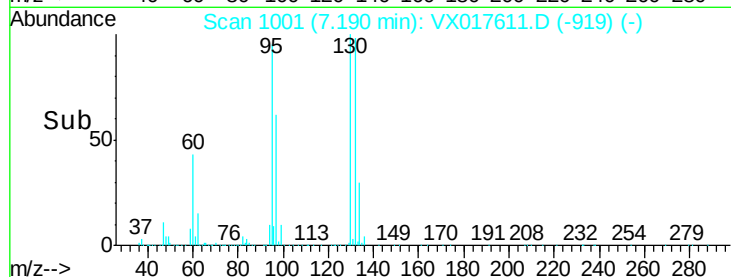
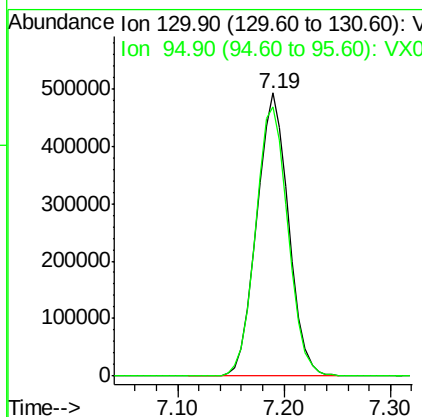
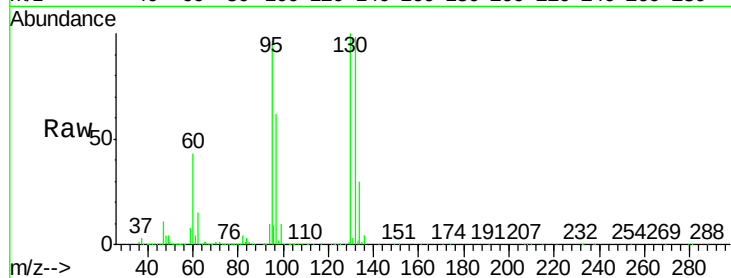
#37  
 Trichloroethene  
 Concen: 143.581 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. -0.00 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Tot Ion:130 Resp: 1030001  
 Ion Ratio Lower Upper  
 130 100  
 95 95.2 73.9 110.9

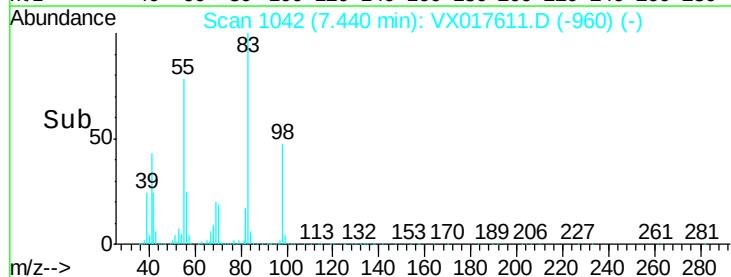
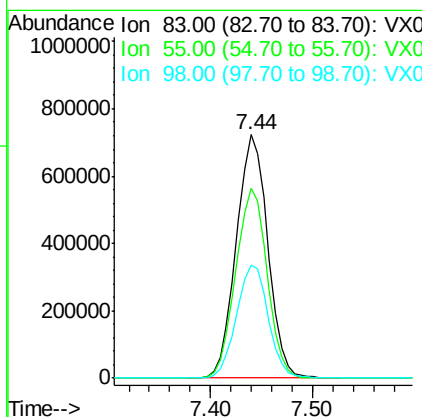
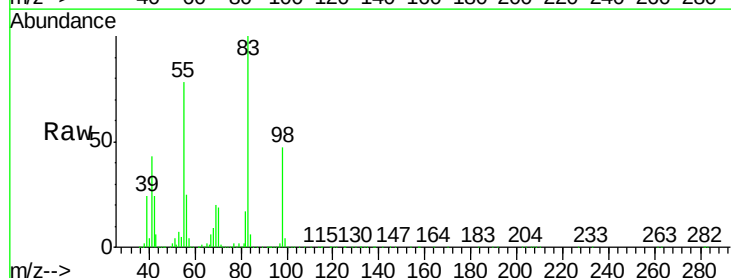
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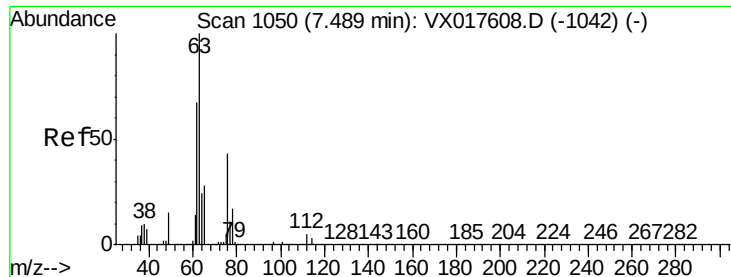


#38  
 Methylcyclohexane  
 Concen: 180.972 ug/l  
 RT: 7.44 min Scan# 1042  
 Delta R.T. -0.00 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

Tgt Ion: 83 Resp: 1548874  
 Ion Ratio Lower Upper  
 83 100  
 55 77.8 39.6 118.7  
 98 47.0 23.9 71.7







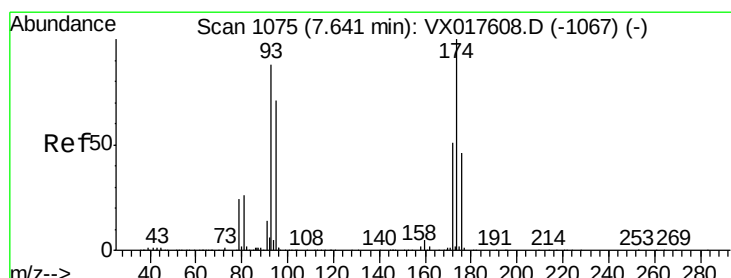
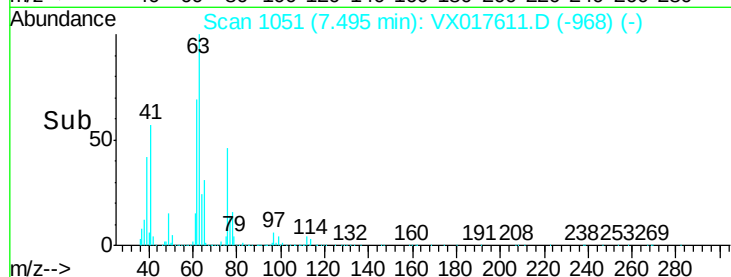
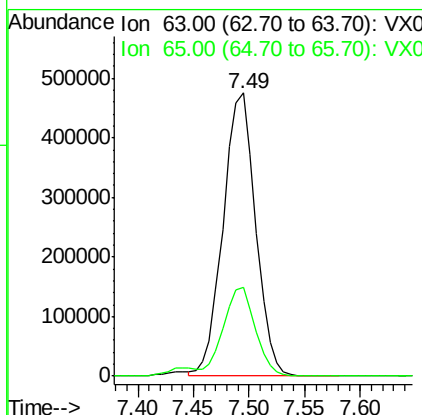
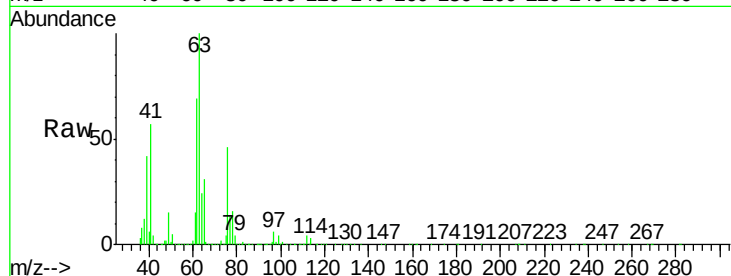
#39  
 1,2-Dichloropropane  
 Concen: 155.115 ug/l  
 RT: 7.49 min Scan# 1051  
 Delta R.T. 0.01 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.2  | 25.2  | 37.8  |

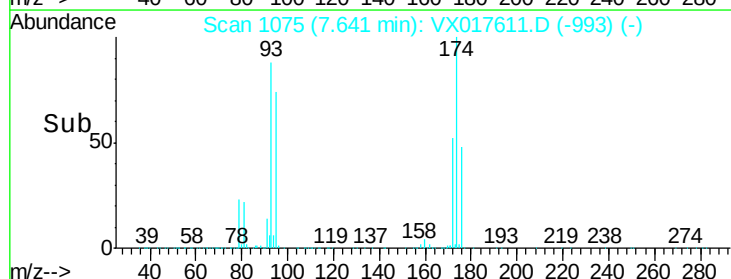
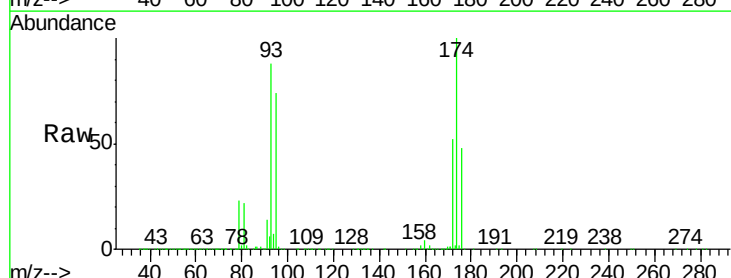
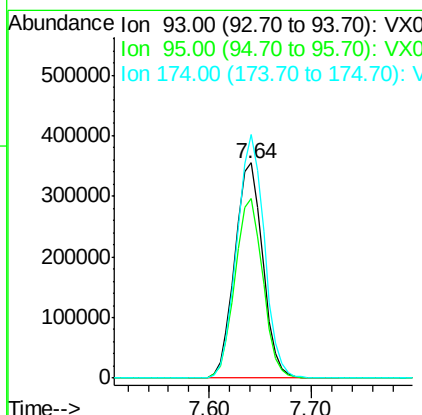
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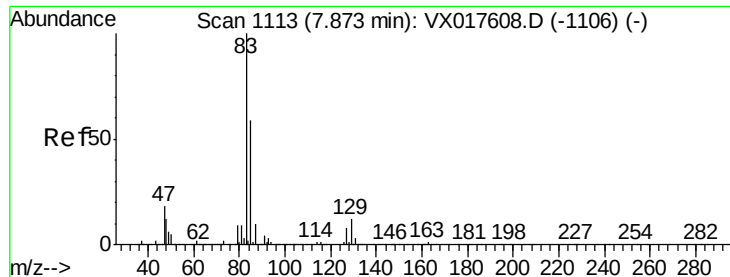
MMDadoda  
 7/28/2020 10:31:26 AM



#40  
 Dibromomethane  
 Concen: 151.116 ug/l  
 RT: 7.64 min Scan# 1075  
 Delta R.T. -0.00 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.0  | 0.0   | 163.4 |
| 174     | 110.9 | 0.0   | 214.6 |





#41

Bromodichloromethane

Concen: 157.469 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1482033

Ion Ratio Lower Upper

83 100

85 63.7 47.4 71.0

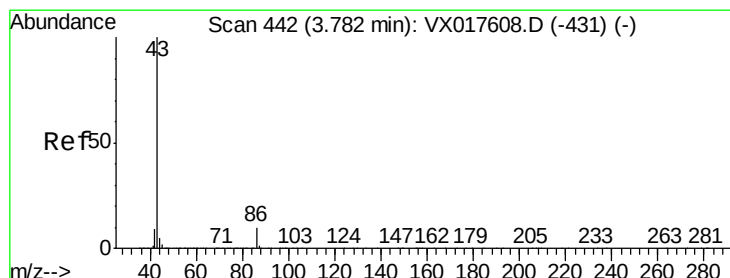
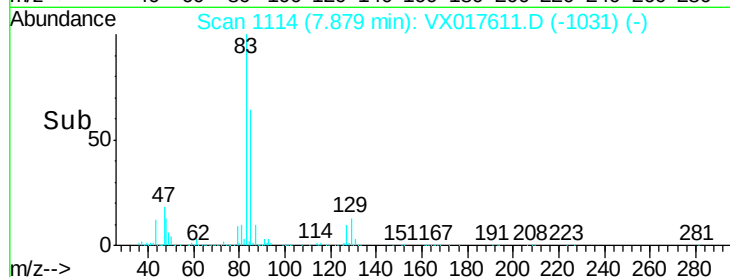
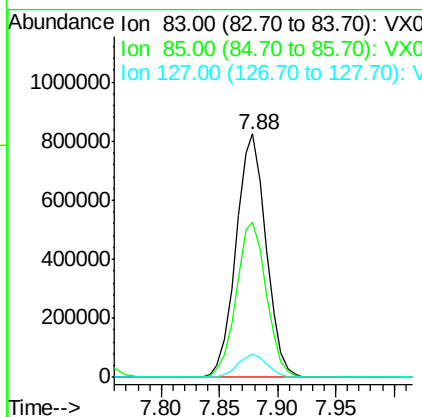
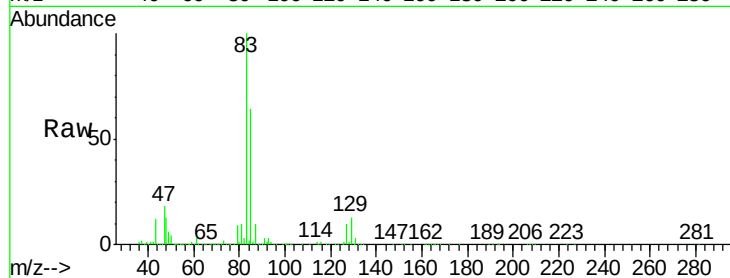
127 9.7 6.3 9.5#

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#42

Vinyl Acetate

Concen: 632.873 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.01 min

Lab File: VX017611.D

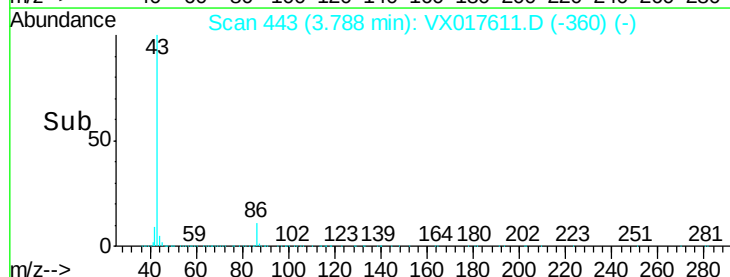
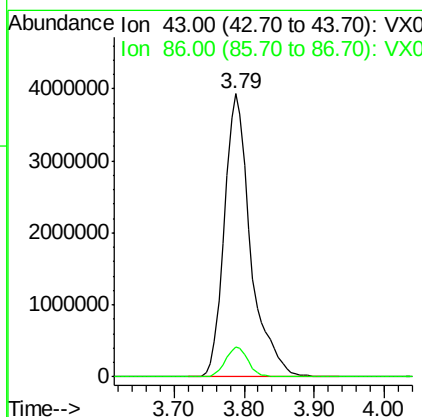
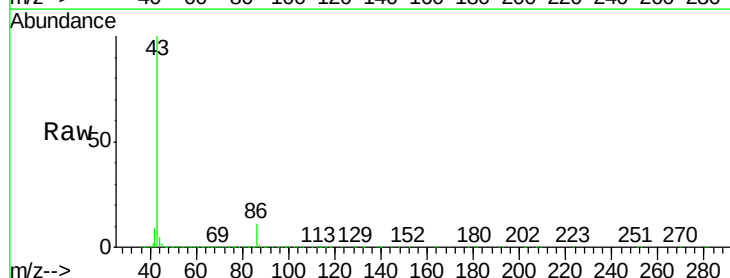
Acq: 27 Jul 2020 10:54

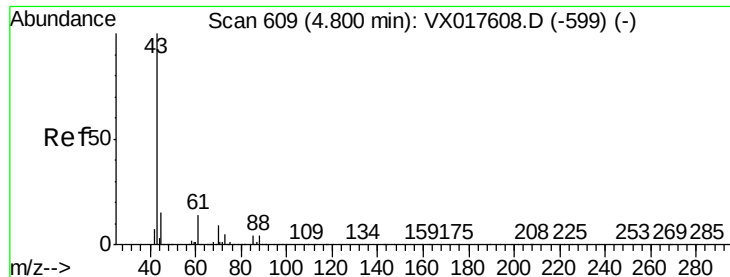
Tgt Ion: 43 Resp: 10260973

Ion Ratio Lower Upper

43 100

86 9.1 7.0 10.6





#43

Ethyl Acetate

Concen: 142.249 ug/l

RT: 4.80 min Scan# 609

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1199117

Ion Ratio Lower Upper

43 100

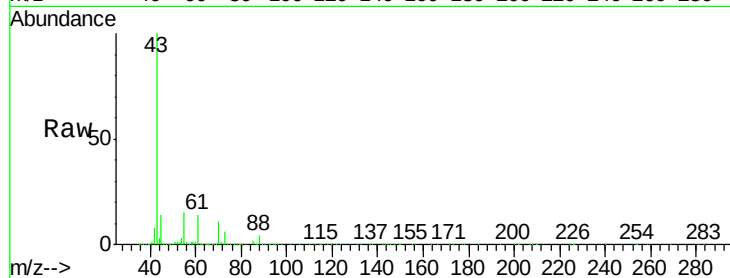
45 14.5 11.4 17.2

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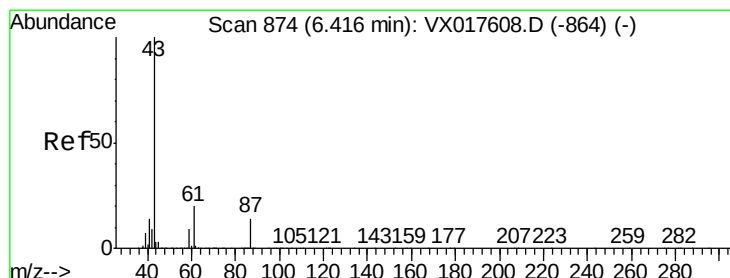
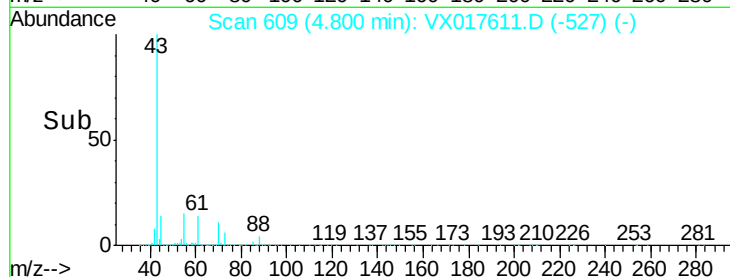
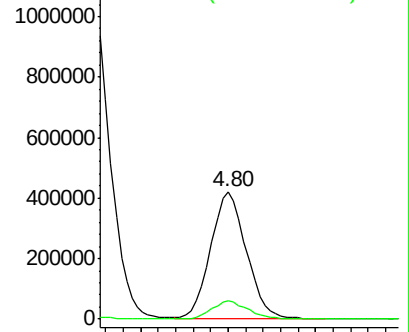
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 160.931 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX017611.D

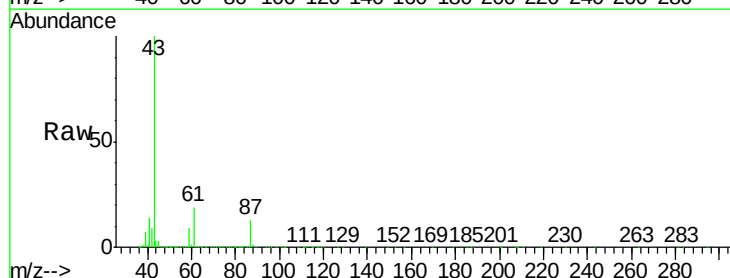
Acq: 27 Jul 2020 10:54

Tgt Ion: 43 Resp: 2279640

Ion Ratio Lower Upper

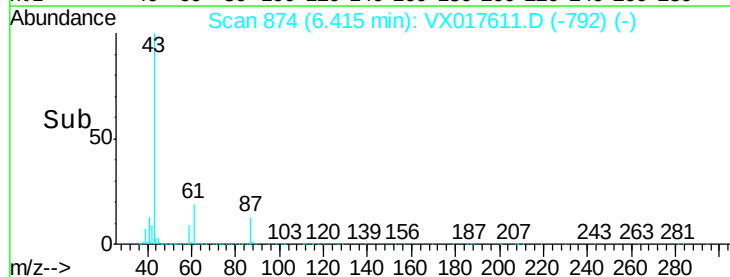
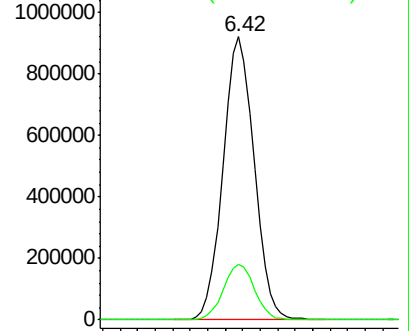
43 100

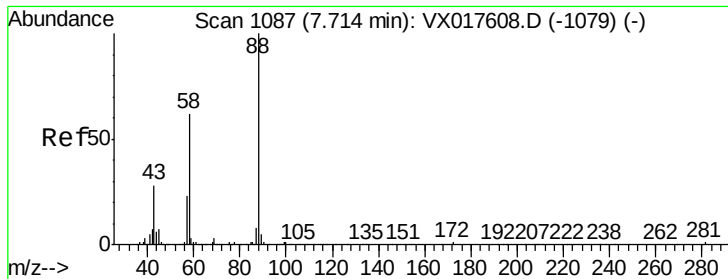
61 19.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 3485.904 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

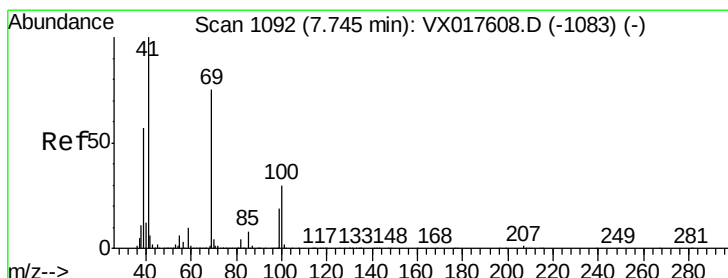
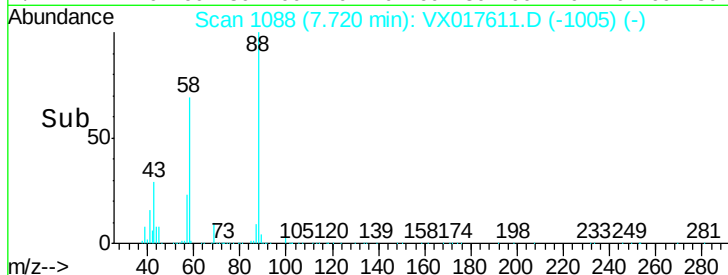
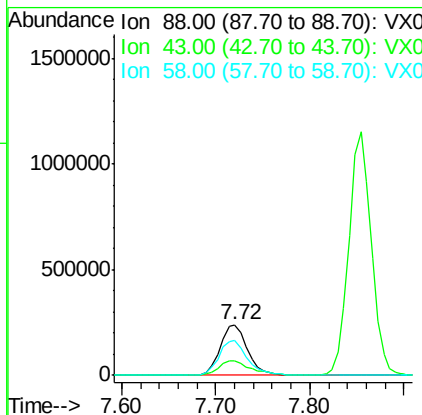
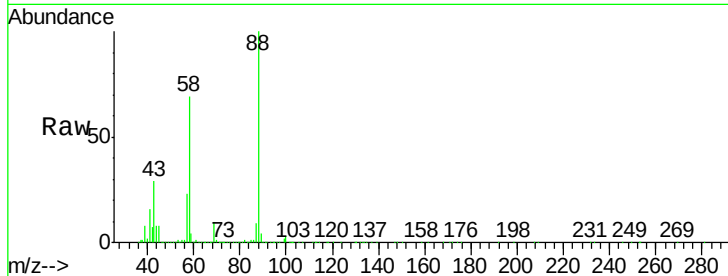
ClientSampleId :

VSTDIC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 88    | Resp: | 484407 |
| Ion      | Ratio | Lower | Upper  |
| 88       | 100   |       |        |
| 43       | 33.8  | 29.0  | 43.6   |
| 58       | 71.1  | 55.6  | 83.4   |

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#46

Methyl methacrylate

Concen: 171.774 ug/l

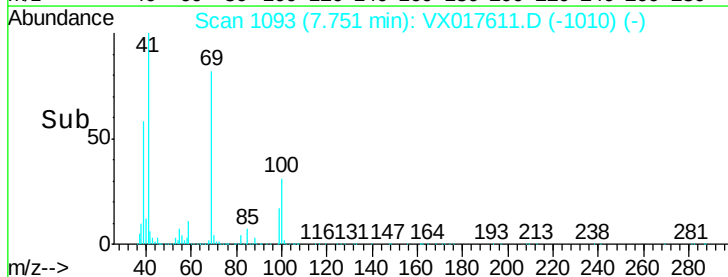
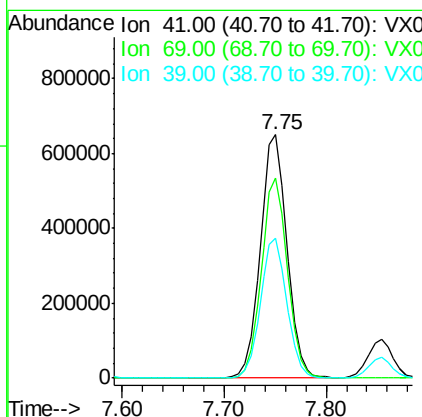
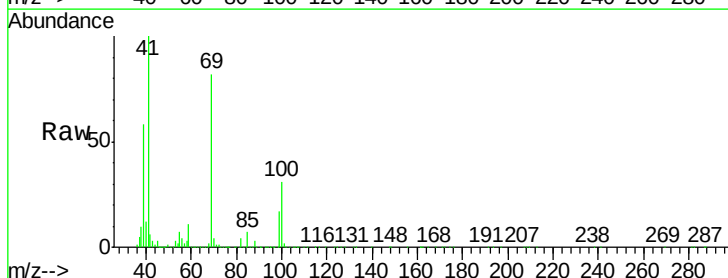
RT: 7.75 min Scan# 1093

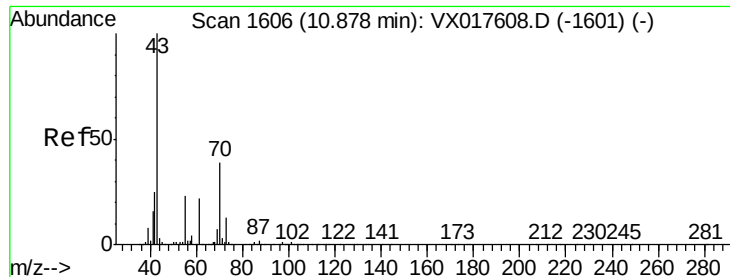
Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 41    | Resp: | 1183076 |
| Ion      | Ratio | Lower | Upper   |
| 41       | 100   |       |         |
| 69       | 82.3  | 37.4  | 112.1   |
| 39       | 57.7  | 28.7  | 86.1    |





#47

n-amvl Acetate

Concen: 150.594 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1884790

Ion Ratio Lower Upper

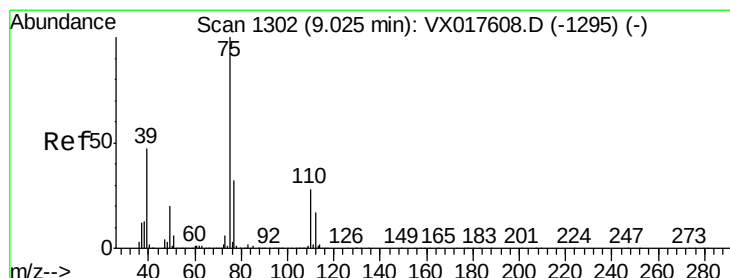
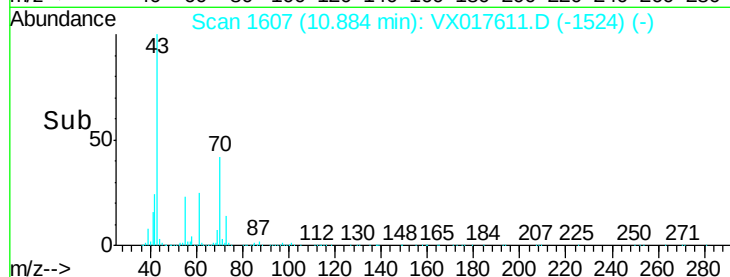
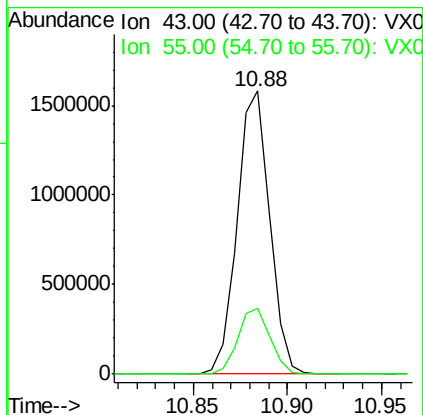
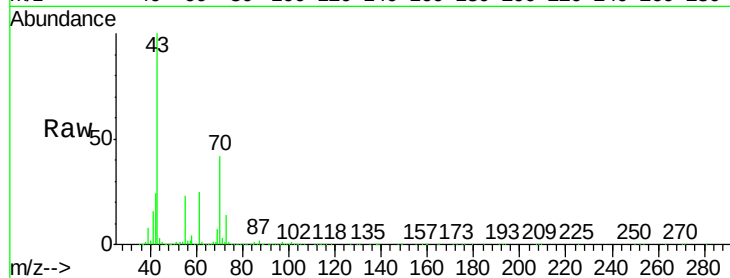
43 100

55 23.2 19.5 29.3

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#48

t-1,3-Dichloropropene

Concen: 159.870 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX017611.D

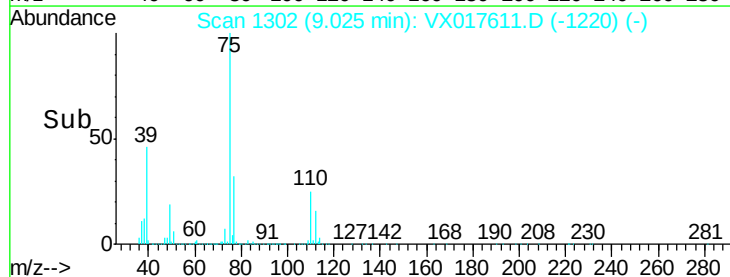
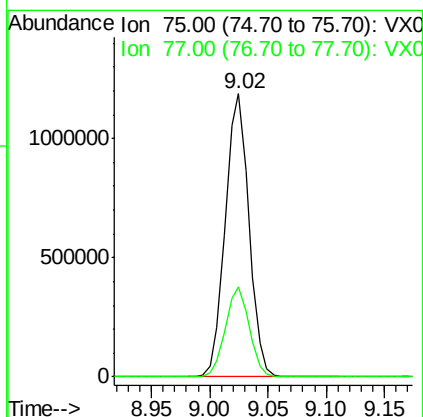
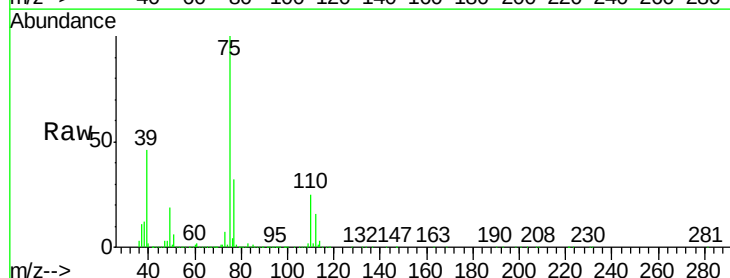
Acq: 27 Jul 2020 10:54

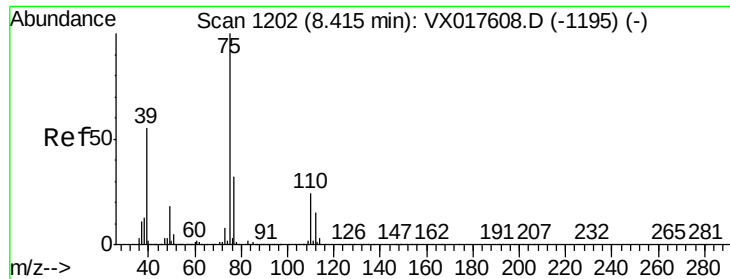
Tgt Ion: 75 Resp: 1671841

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4





#49

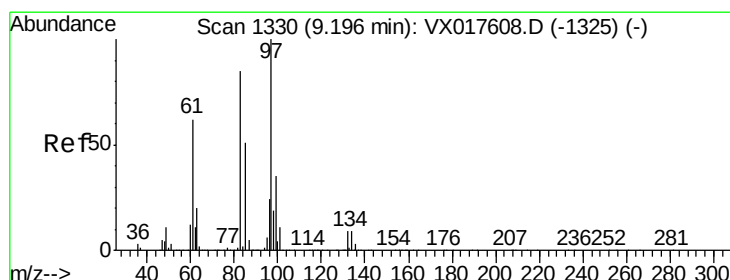
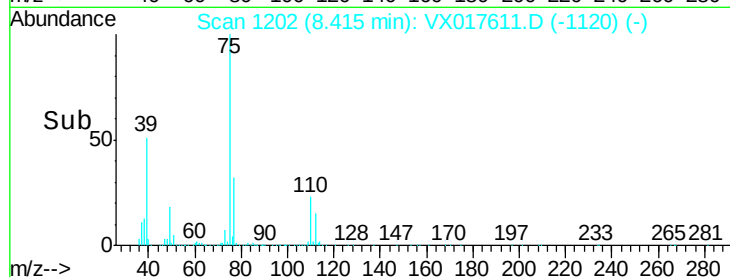
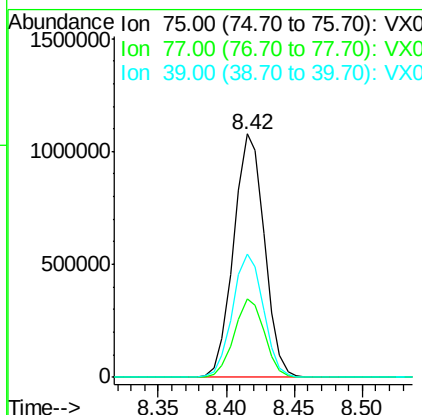
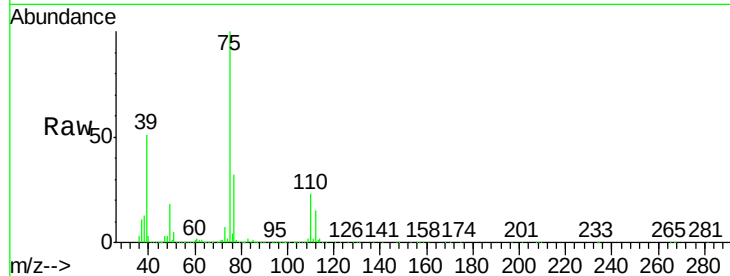
cis-1,3-Dichloropropene  
Concen: 155.062 ug/l  
RT: 8.42 min Scan# 1202  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.4  | 25.4  | 38.0  |
| 39      | 50.7  | 43.6  | 65.4  |

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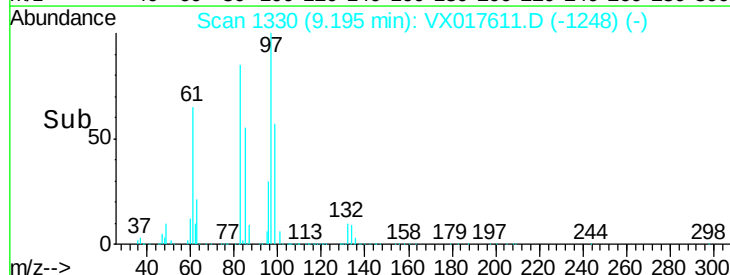
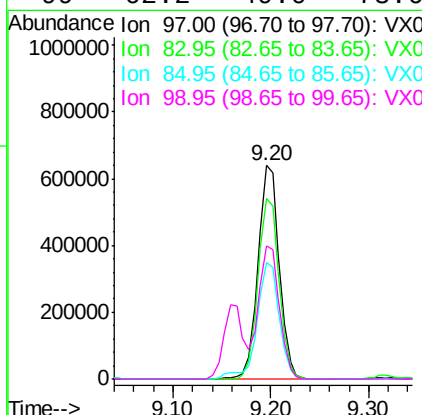
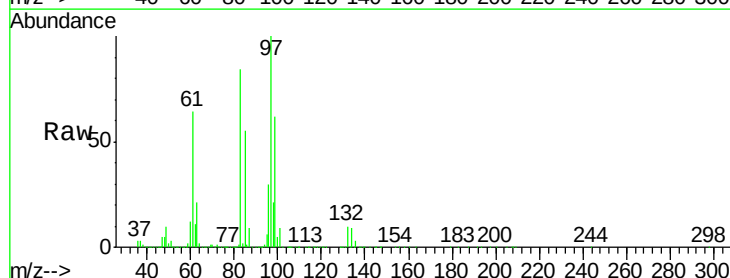
MMDadoda  
7/28/2020 10:31:26 AM

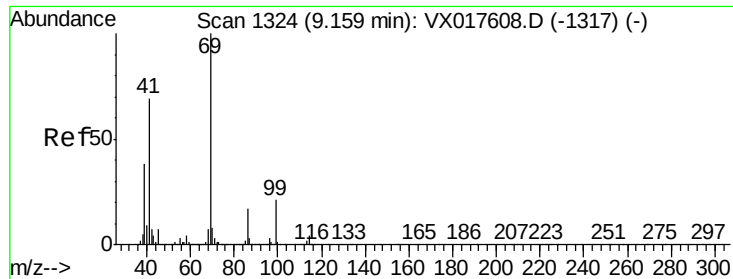


#50

1,1,2-Trichloroethane  
Concen: 146.424 ug/l  
RT: 9.20 min Scan# 1330  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 84.3  | 68.2  | 102.2 |
| 85      | 54.7  | 42.6  | 64.0  |
| 99      | 62.2  | 49.0  | 73.6  |





#51

Ethyl methacrylate

Concen: 161.317 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

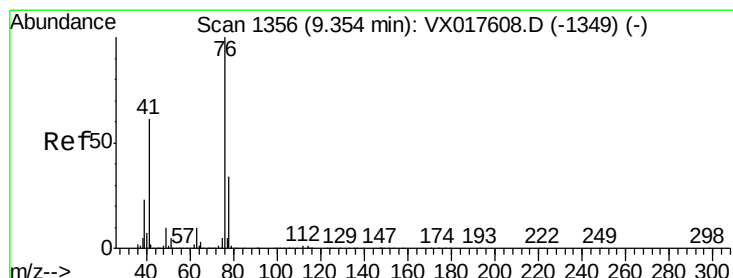
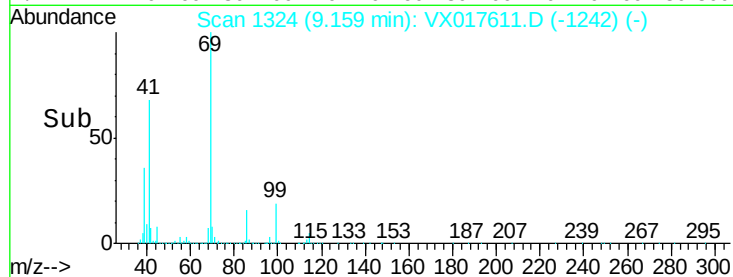
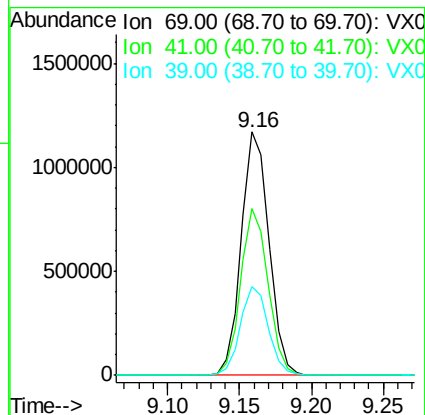
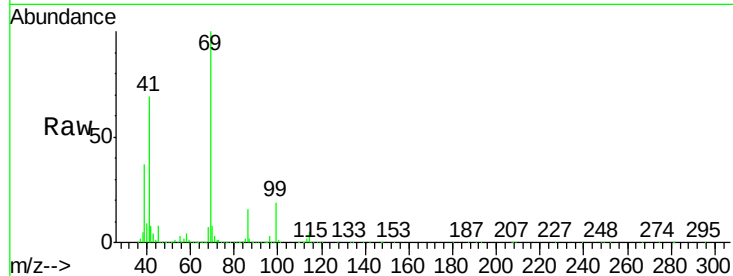
ClientSampleId :

VSTDIC150

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 69    | Resp: | 1564432 |
| Ion      | Ratio | Lower | Upper   |
| 69       | 100   |       |         |
| 41       | 68.6  | 34.4  | 103.2   |
| 39       | 36.7  | 19.1  | 57.1    |

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#52

1,3-Dichloropropane

Concen: 149.099 ug/l

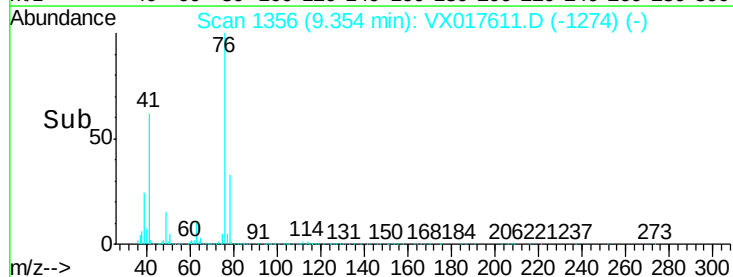
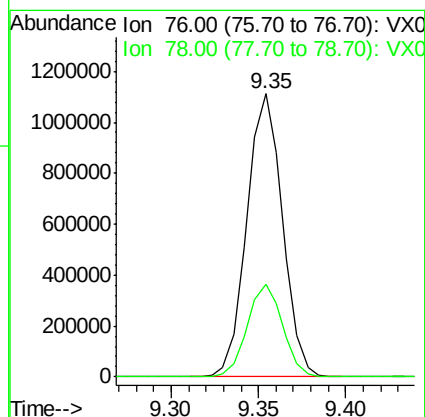
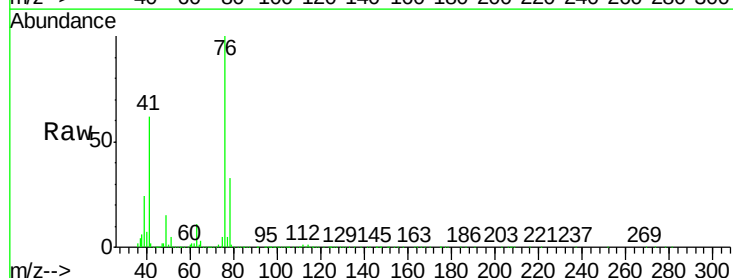
RT: 9.35 min Scan# 1356

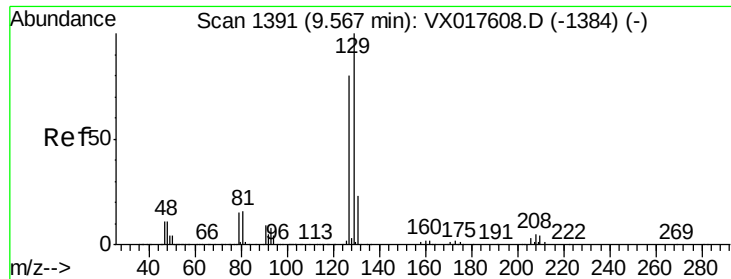
Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 76    | Resp: | 1583413 |
| Ion      | Ratio | Lower | Upper   |
| 76       | 100   |       |         |
| 78       | 32.2  | 0.0   | 65.4    |





#53

Dibromochloromethane

Concen: 156.329 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 1243808

Ion Ratio Lower Upper

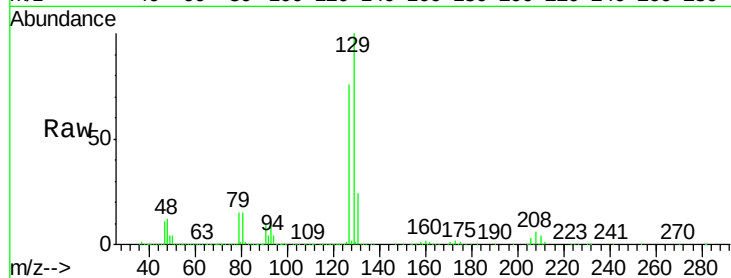
129 100

127 78.1 39.7 119.1

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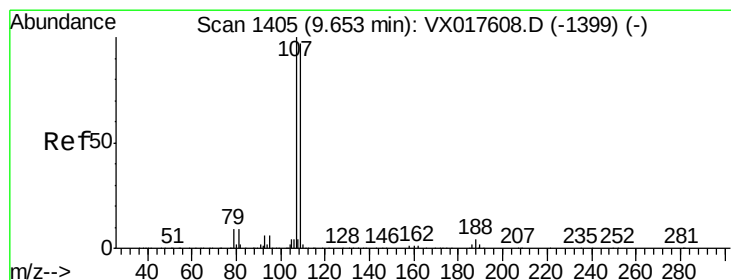
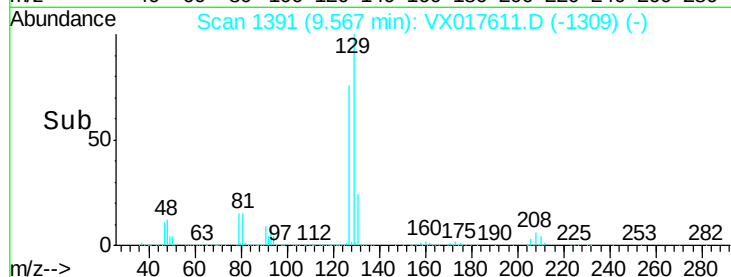
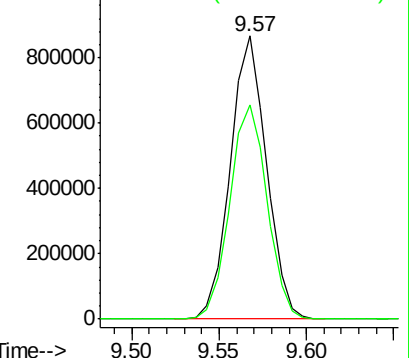
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 149.339 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017611.D

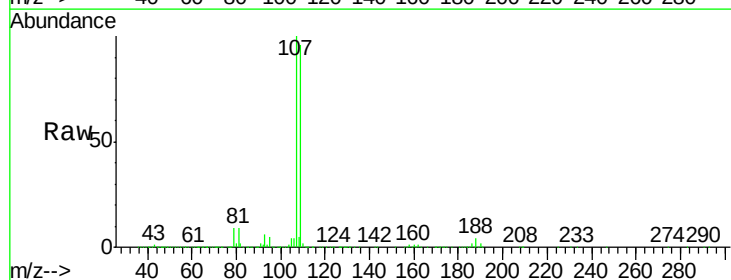
Acq: 27 Jul 2020 10:54

Tgt Ion:107 Resp: 1044102

Ion Ratio Lower Upper

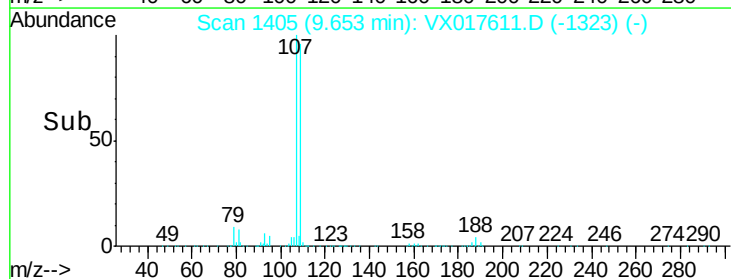
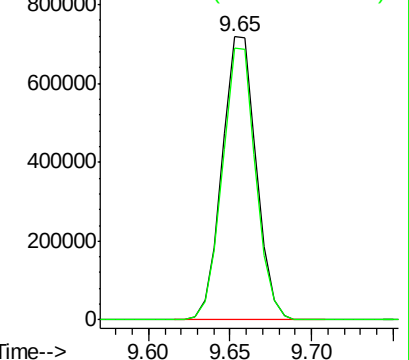
107 100

109 94.1 75.6 113.4

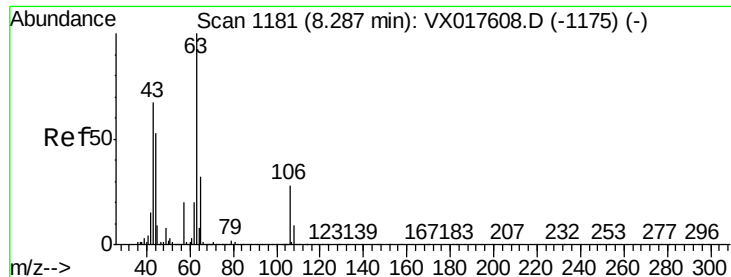


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V







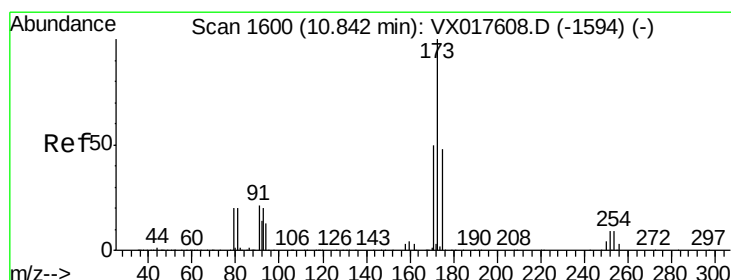
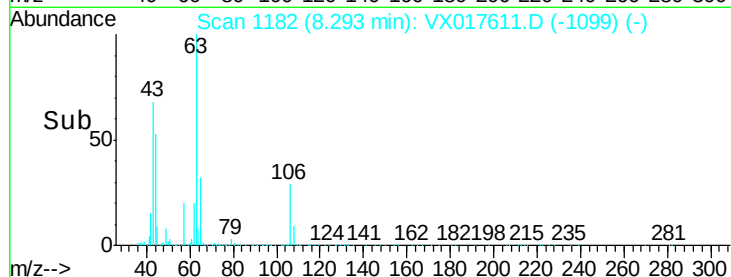
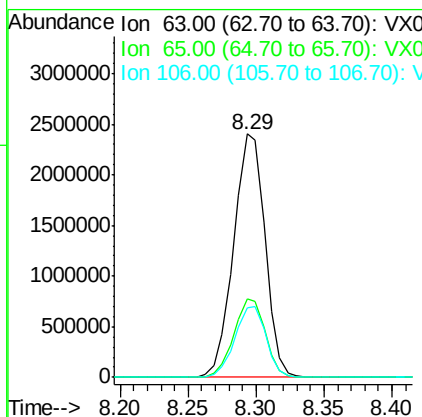
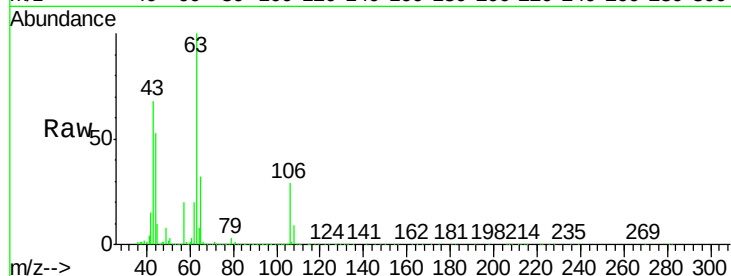
#55  
2-Chloroethyl vinyl ether  
Concen: 849.817 ug/l  
RT: 8.29 min Scan# 1182  
Delta R.T. 0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 32.2  | 25.5  | 38.3  |
| 106     | 29.1  | 22.9  | 34.3  |

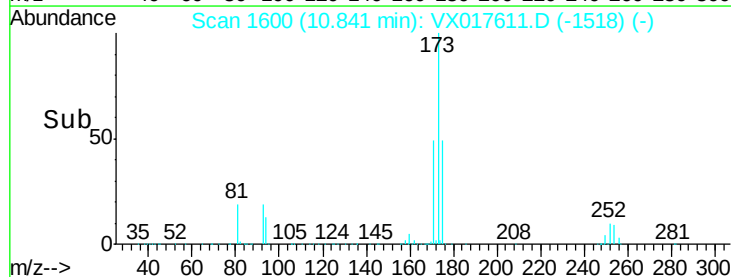
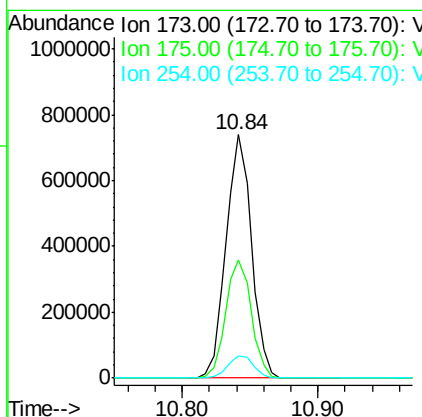
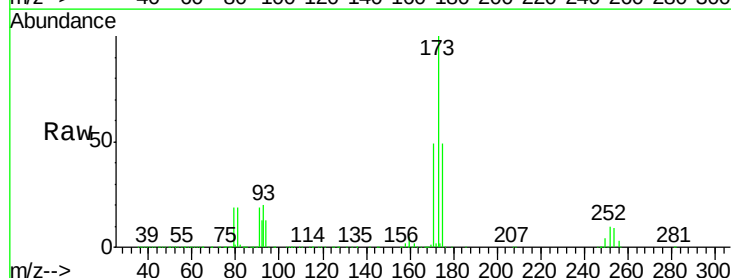
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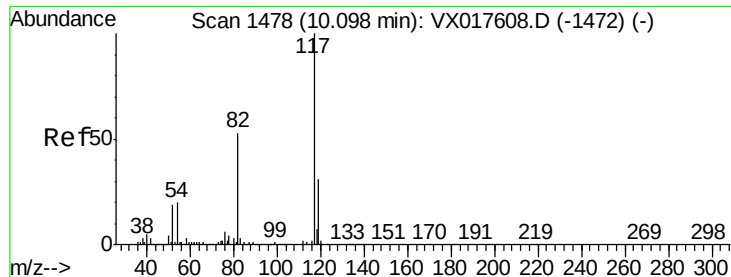
MMDadoda  
7/28/2020 10:31:26 AM



#56  
Bromoform  
Concen: 153.203 ug/l  
RT: 10.84 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 38.2  | 57.4  |
| 254     | 9.6   | 7.4   | 11.2  |





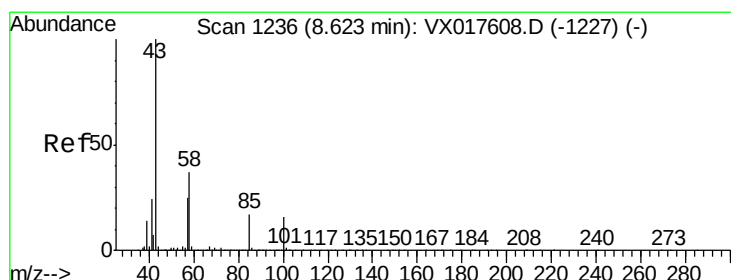
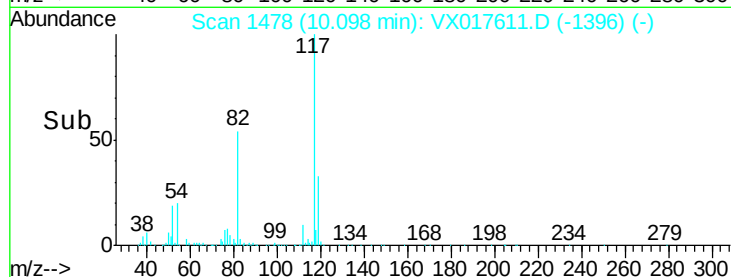
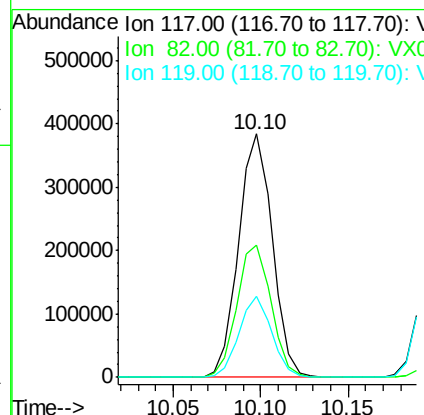
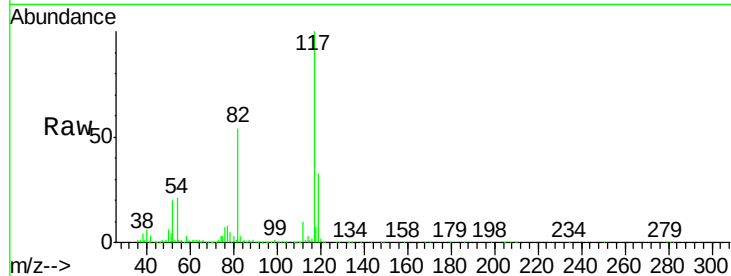
#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.7  | 43.6  | 65.4  |
| 119     | 32.1  | 25.7  | 38.5  |

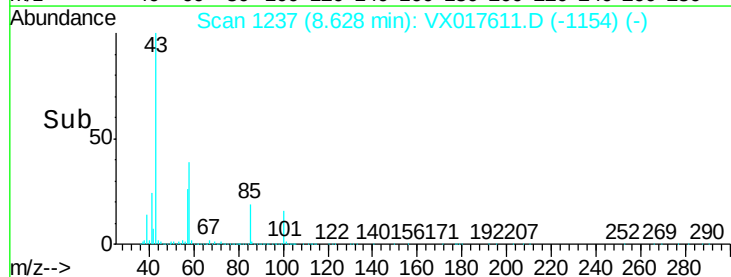
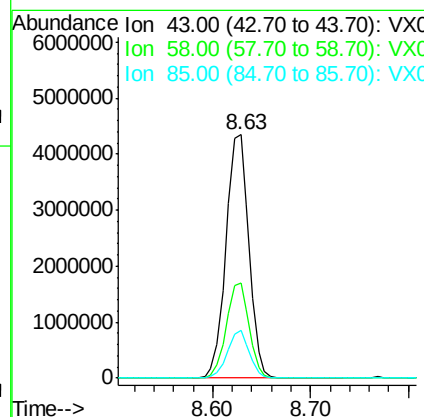
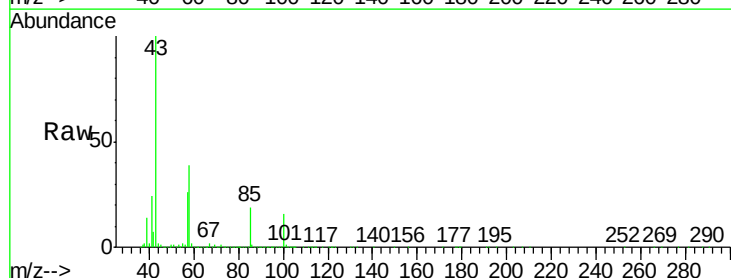
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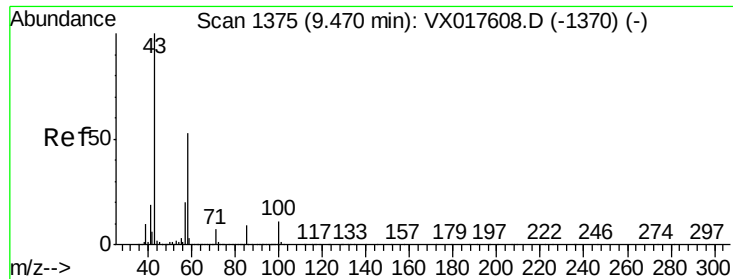
MMDadoda  
7/28/2020 10:31:26 AM



#58  
4-Methyl-2-Pentanone  
Concen: 803.280 ug/l  
RT: 8.63 min Scan# 1237  
Delta R.T. 0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 38.7  | 30.5  | 45.7  |
| 85      | 18.4  | 14.2  | 21.2  |





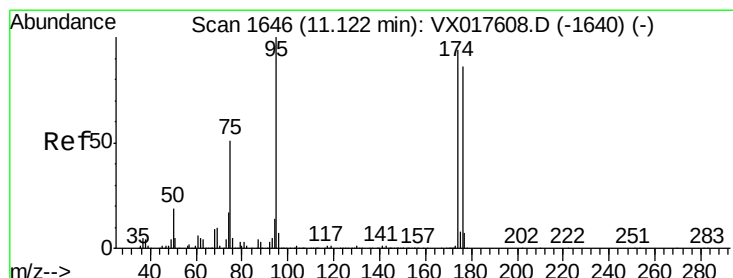
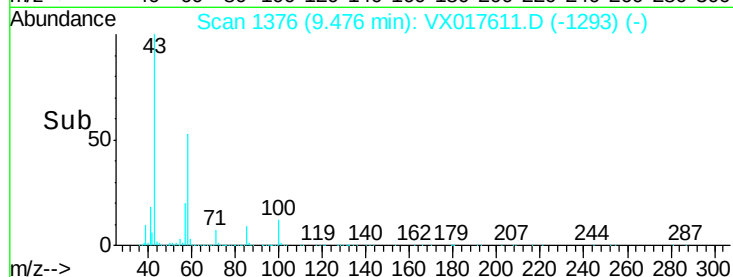
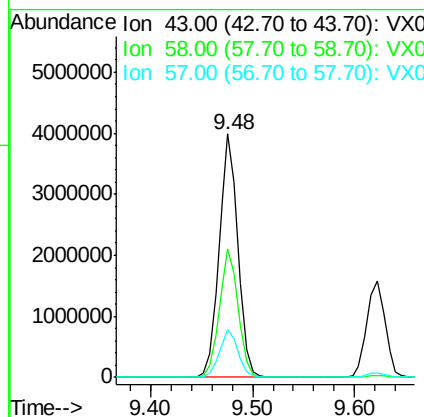
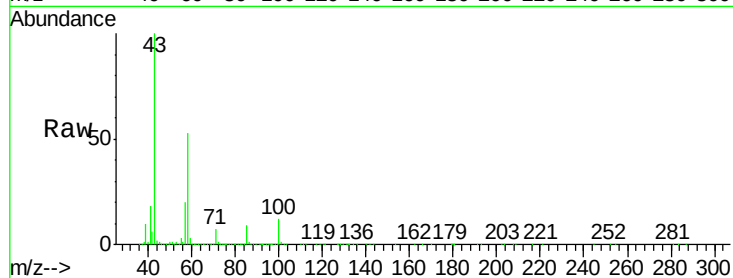
#59  
2-Hexanone  
Concen: 802.856 ug/l  
RT: 9.48 min Scan# 1376  
Delta R.T. 0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tot Ion: 43 Resp: 5156564  
Ion Ratio Lower Upper  
43 100  
58 52.8 42.9 64.3  
57 19.6 16.1 24.1

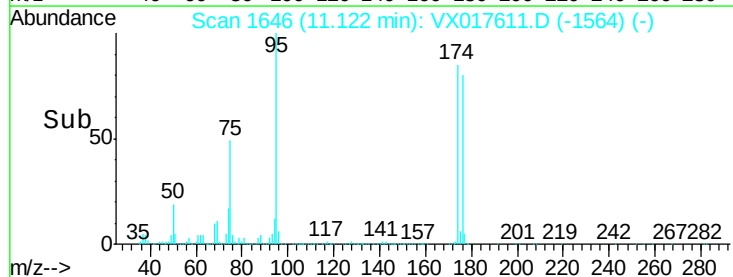
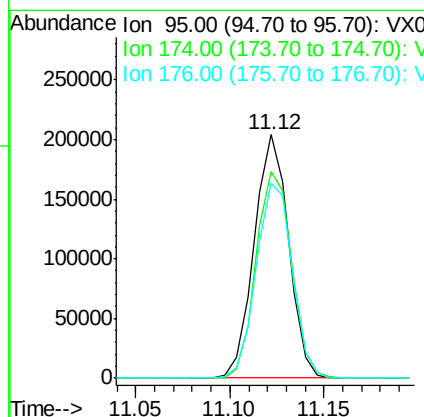
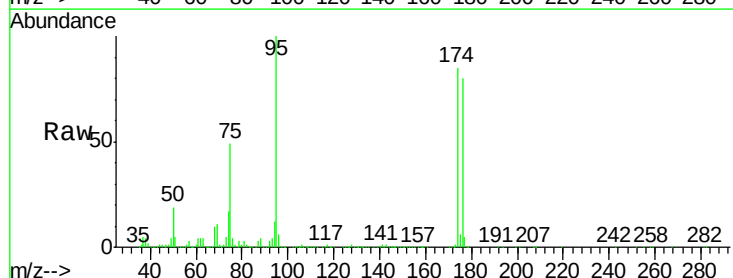
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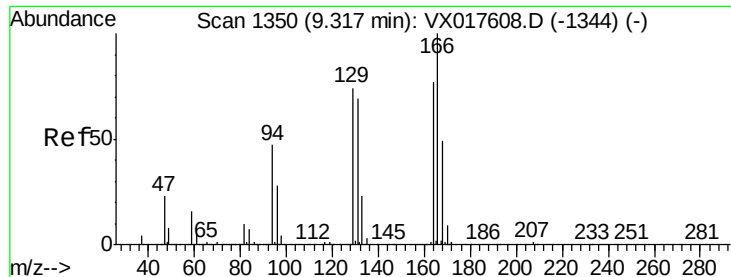
MMDadoda  
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#60  
4-Bromofluorobenzene  
Concen: 28.877 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Tgt Ion: 95 Resp: 257995  
Ion Ratio Lower Upper  
95 100  
174 87.8 70.2 105.2  
176 83.4 65.6 98.4





#61

Tetrachloroethene

Concen: 141.195 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 969405

Ion Ratio Lower Upper

164 100

166 125.9 104.4 156.6

129 95.0 77.0 115.4

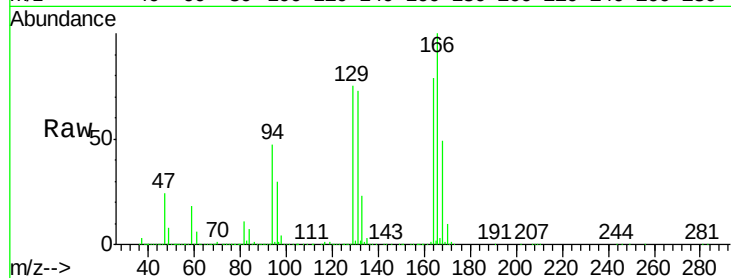
131 91.5 72.3 108.5

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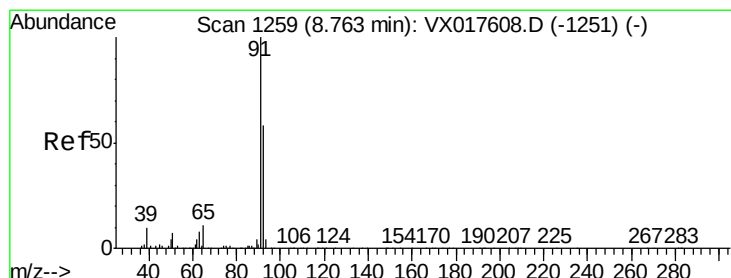
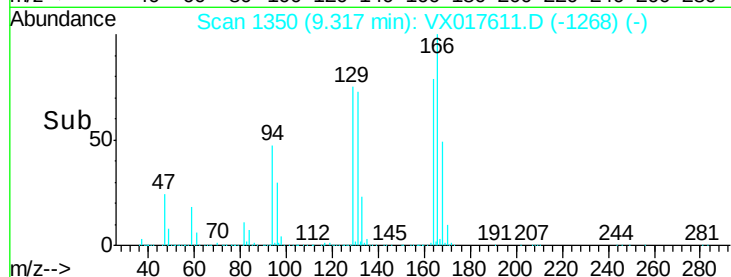
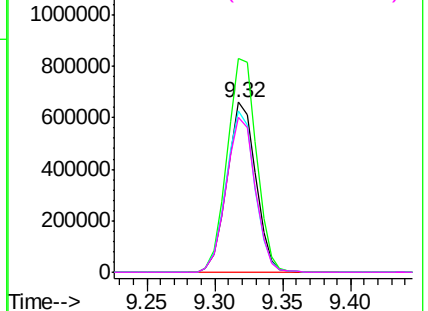


Abundance Ion 163.85 (163.55 to 164.55): V

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: 148.746 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017611.D

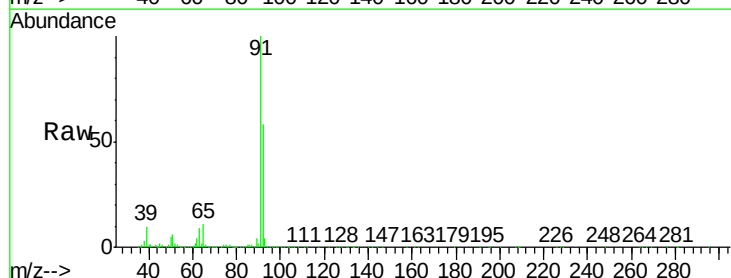
Acq: 27 Jul 2020 10:54

Tgt Ion: 91 Resp: 3839709

Ion Ratio Lower Upper

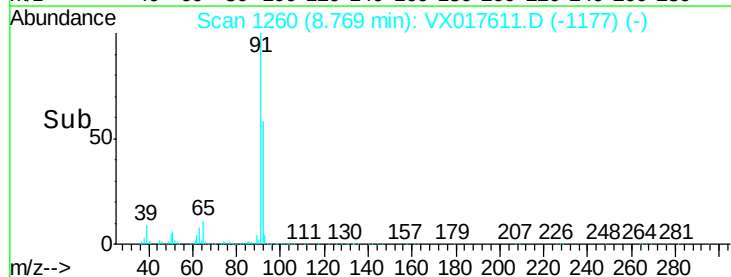
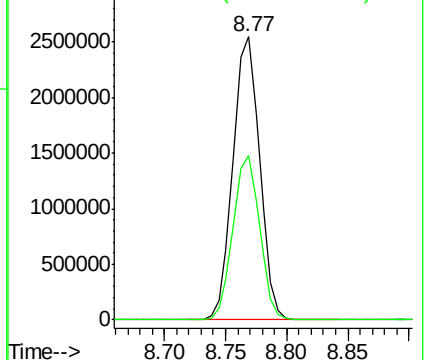
91 100

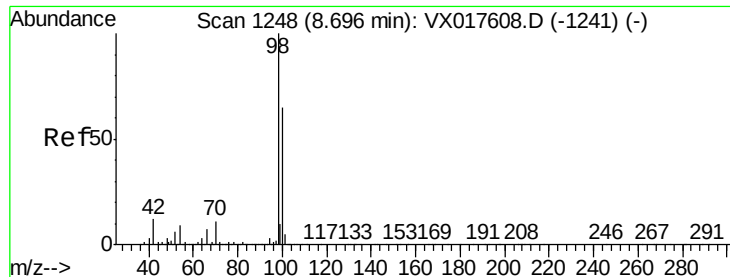
92 57.9 46.9 70.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.796 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 673548

Ion Ratio Lower Upper

98 100

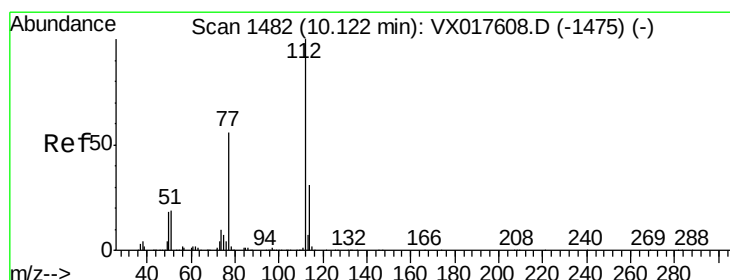
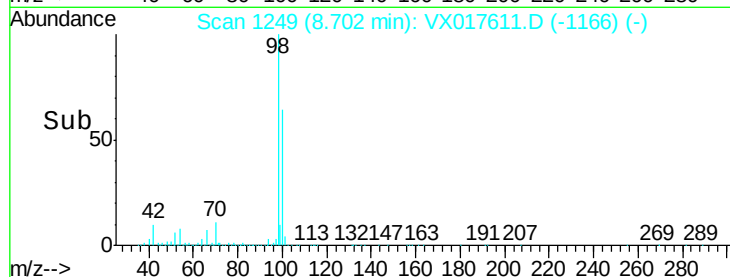
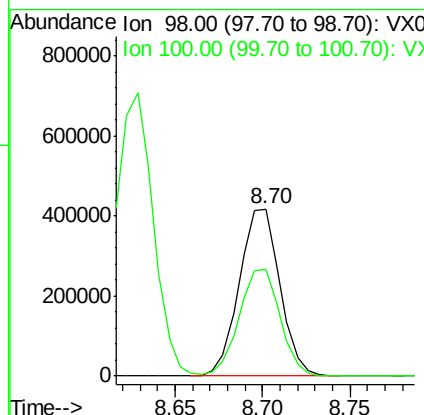
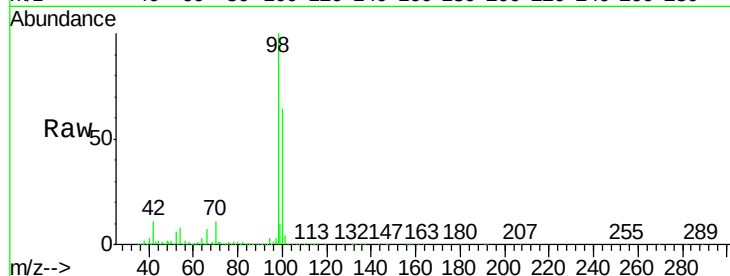
100 64.5 51.9 77.9

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#64

Chlorobenzene

Concen: 151.884 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017611.D

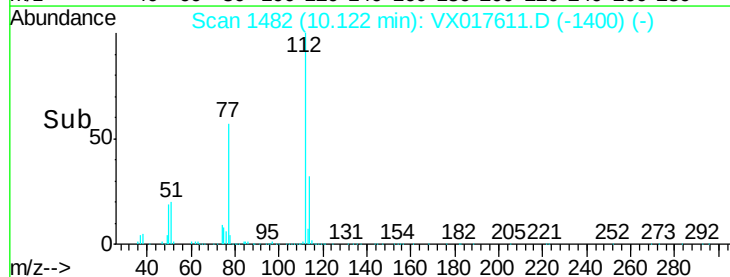
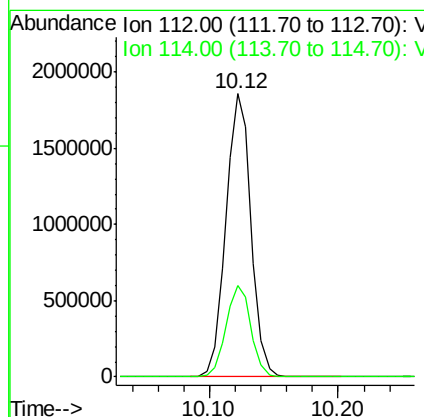
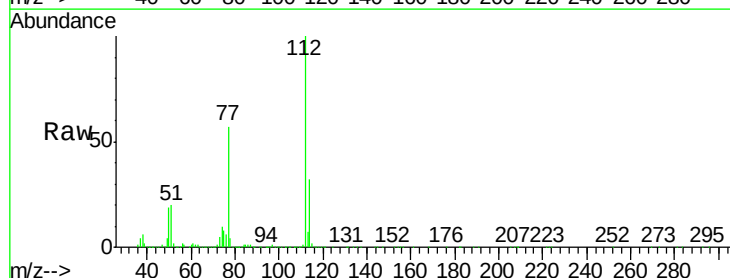
Acq: 27 Jul 2020 10:54

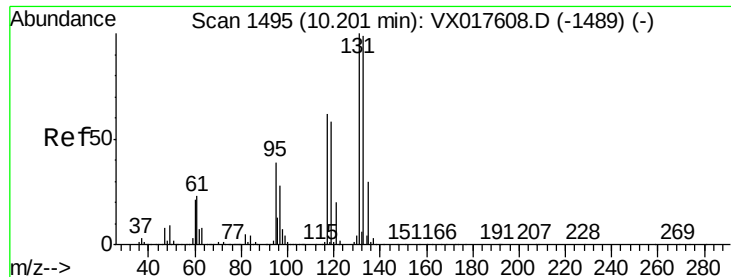
Tgt Ion: 112 Resp: 2539575

Ion Ratio Lower Upper

112 100

114 32.1 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 152.890 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion:131 Resp: 1058997

Ion Ratio Lower Upper

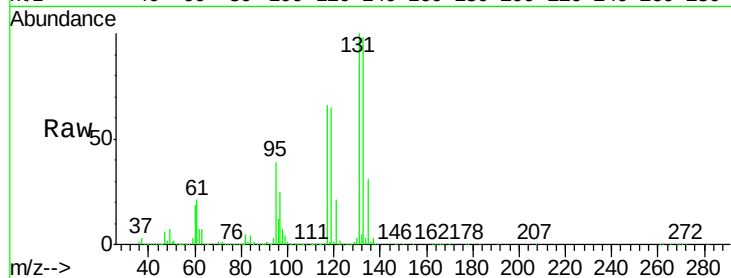
131 100

133 96.2 0.0 189.8

119 62.1 0.0 119.6

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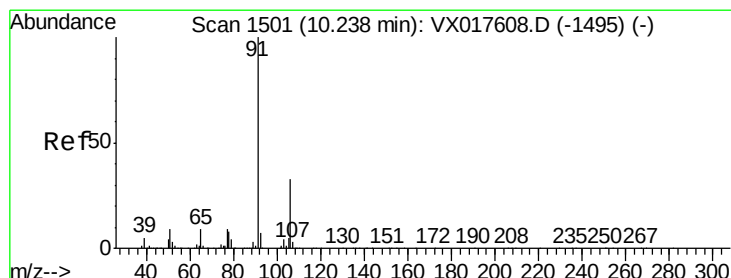
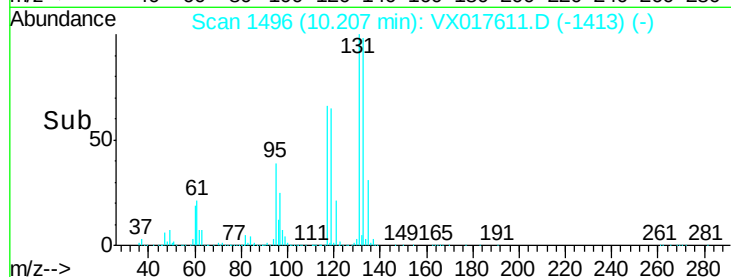
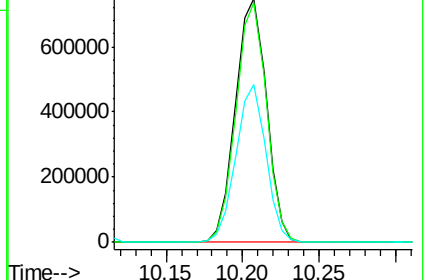
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Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 149.025 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX017611.D

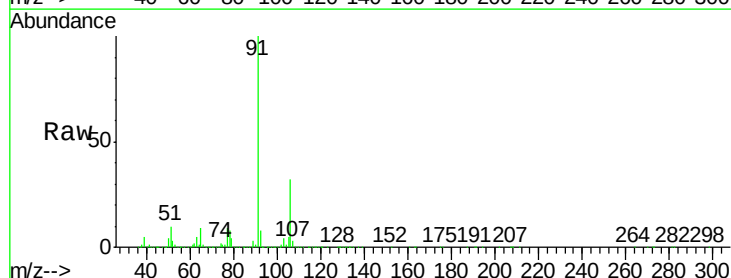
Acq: 27 Jul 2020 10:54

Tgt Ion: 91 Resp: 4229978

Ion Ratio Lower Upper

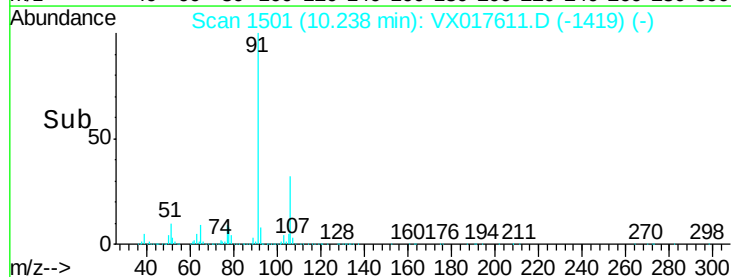
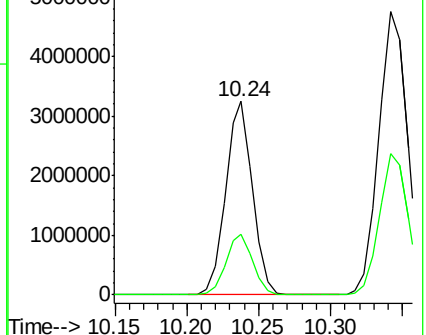
91 100

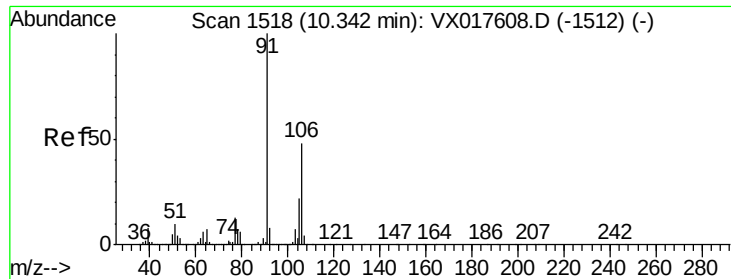
106 31.7 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





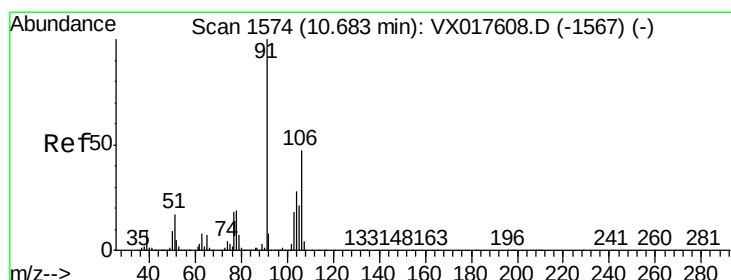
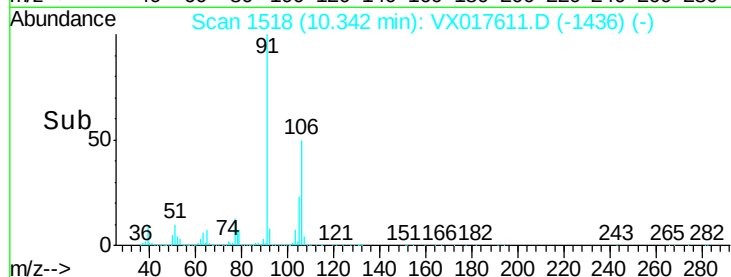
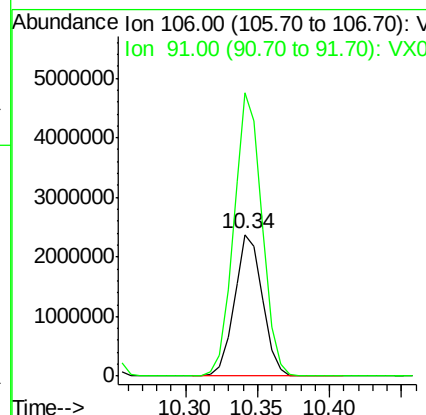
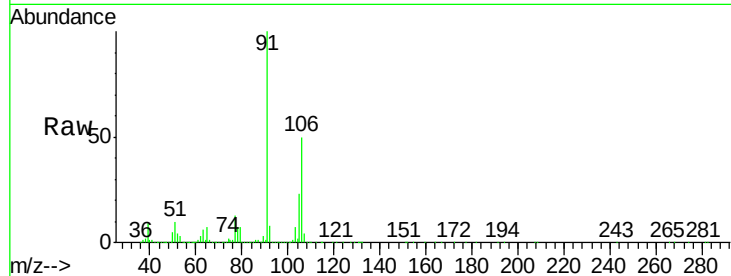
#67  
m/p-Xylenes  
Concen: 295.446 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tot Ion:106 Resp: 3217556  
Ion Ratio Lower Upper  
106 100  
91 201.1 166.6 249.8

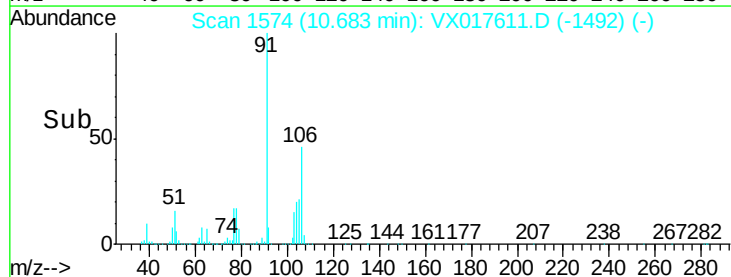
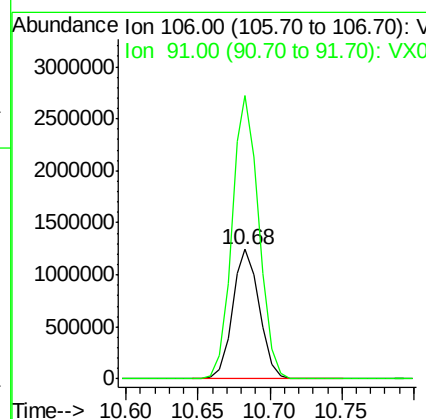
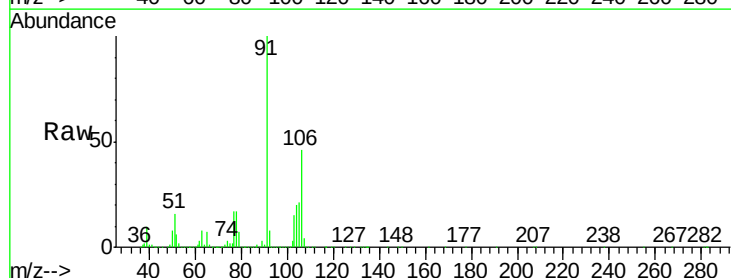
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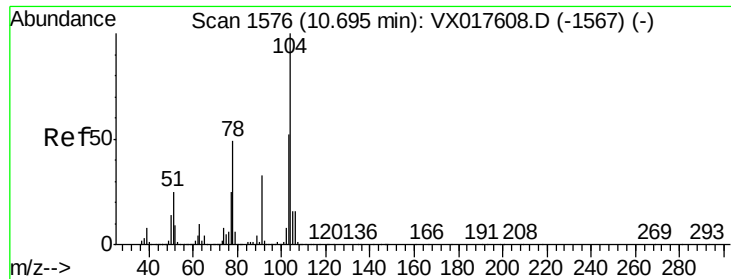
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#68  
o-Xylene  
Concen: 154.539 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Tgt Ion:106 Resp: 1619342  
Ion Ratio Lower Upper  
106 100  
91 218.6 105.8 317.6





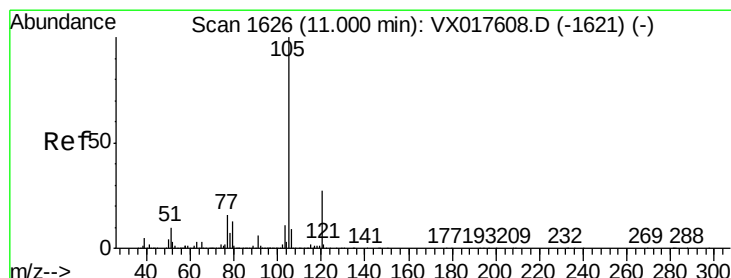
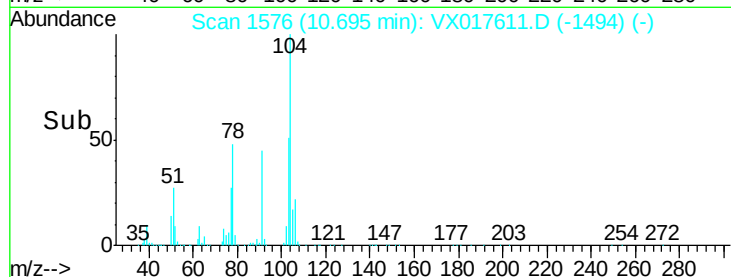
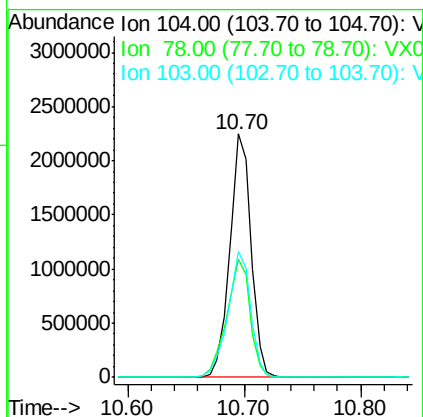
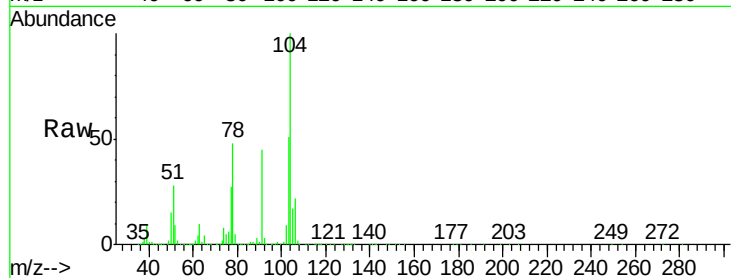
#69  
Stvrene  
Concen: 154.332 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tot Ion:104 Resp: 2857978  
Ion Ratio Lower Upper  
104 100  
78 53.3 41.7 62.5  
103 55.1 43.4 65.2

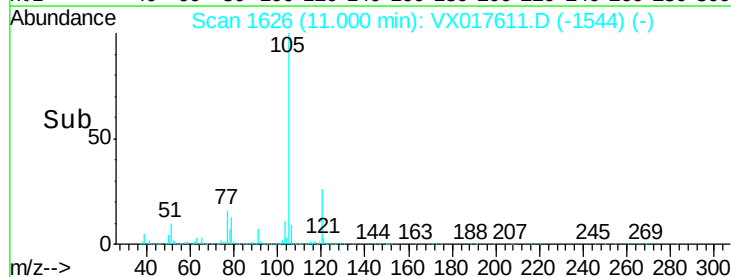
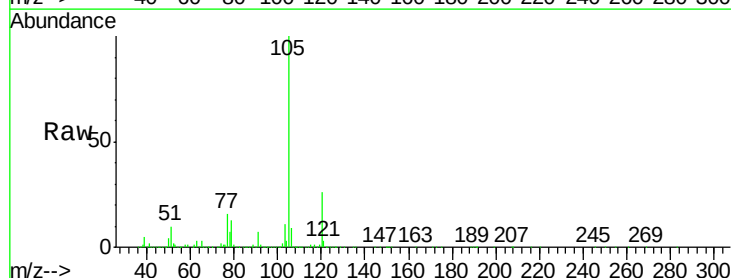
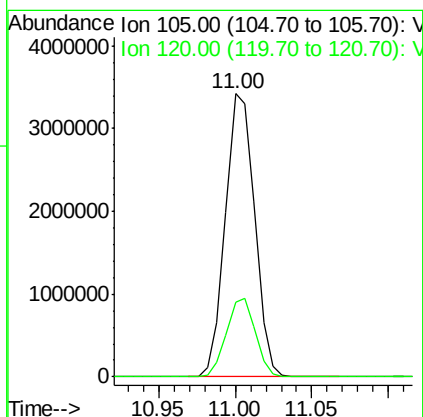
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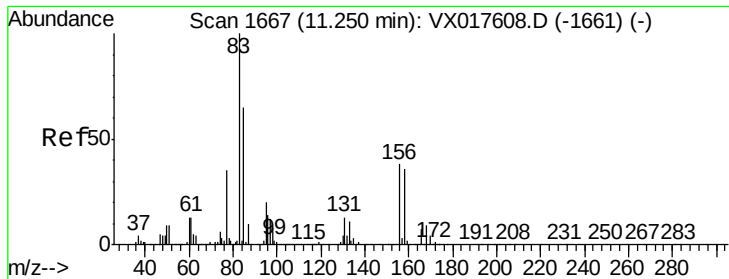


#70  
Isopropylbenzene  
Concen: 154.234 ug/l  
RT: 11.00 min Scan# 1626  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Tgt Ion:105 Resp: 4538625  
Ion Ratio Lower Upper  
105 100  
120 27.2 18.7 34.7







#71

1,1,2,2-Tetrachloroethane

Concen: 144.830 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1296077

Ion Ratio Lower Upper

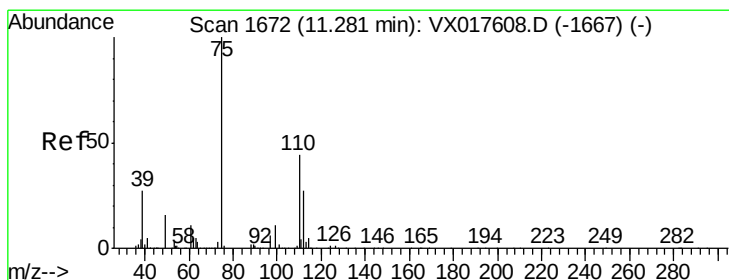
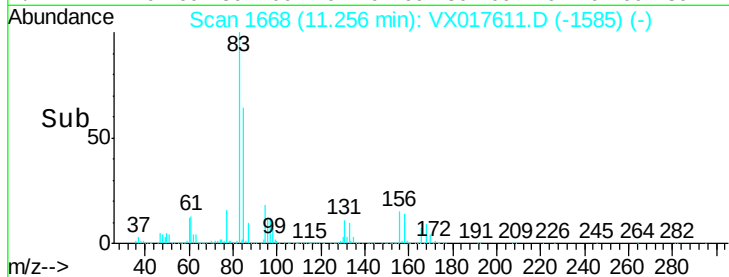
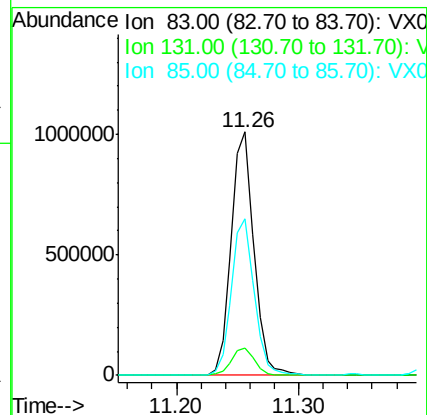
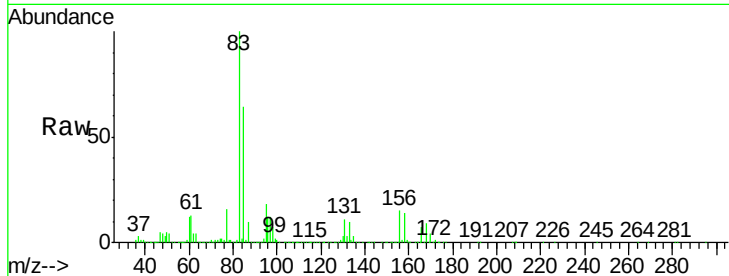
83 100

131 11.4 5.9 17.8

85 64.7 32.7 98.1

Manual Integrations  
APPROVED

MMDadoda  
7/28/2020 10:31:26 AM



#72

1,2,3-Trichloropropane

Concen: 138.101 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX017611.D

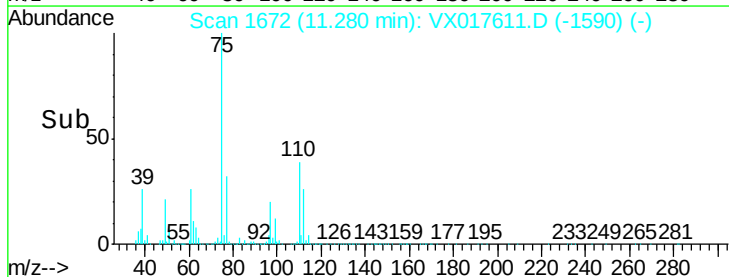
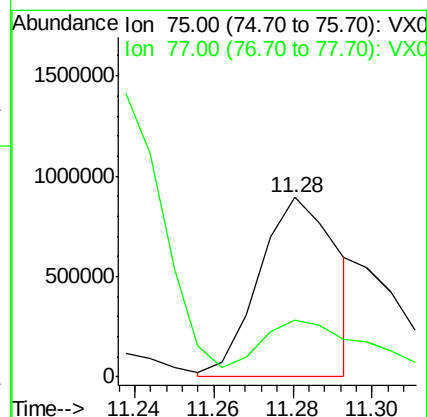
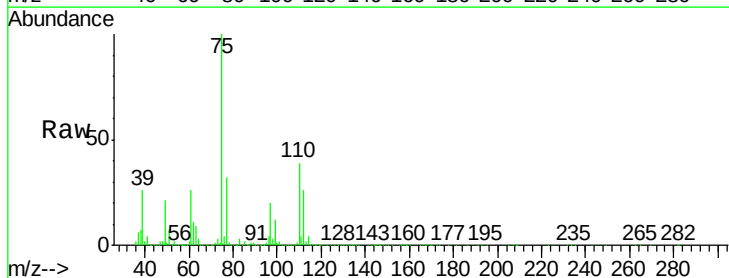
Acq: 27 Jul 2020 10:54

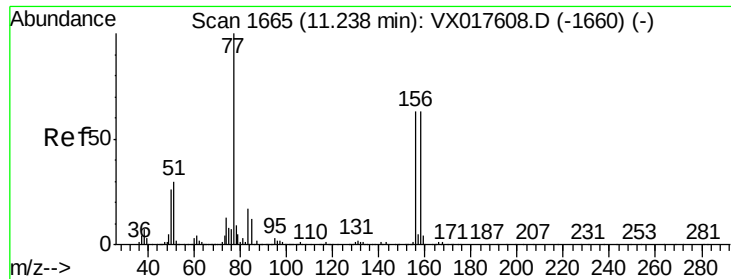
Tgt Ion: 75 Resp: 1218775

Ion Ratio Lower Upper

75 100

77 43.8 0.0 73.2





#73

Bromobenzene

Concen: 146.828 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1200590

Ion Ratio Lower Upper

156 100

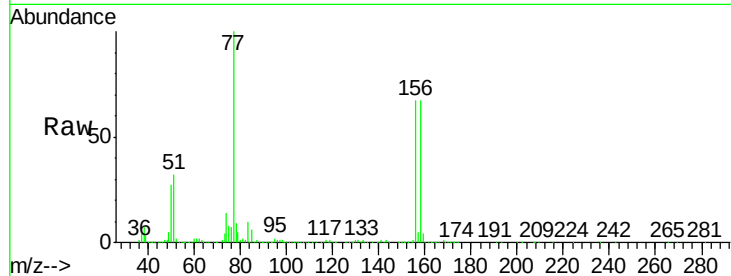
77 148.7 0.0 302.0

158 99.1 0.0 199.6

Manual Integrations  
APPROVED

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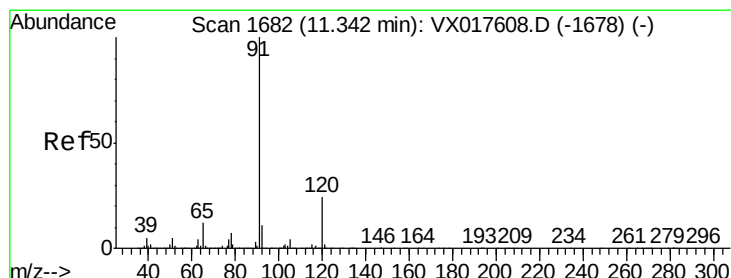
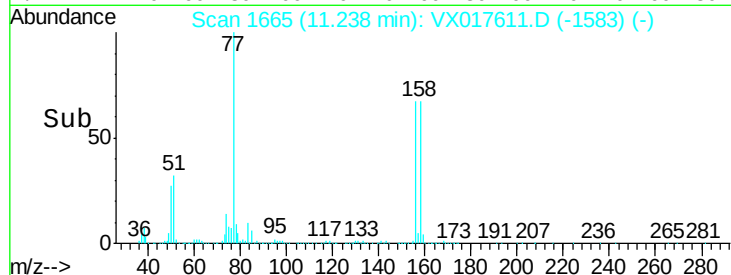
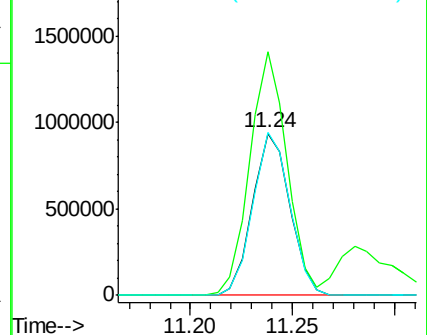
7/28/2020 10:31:26 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 168.359 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017611.D

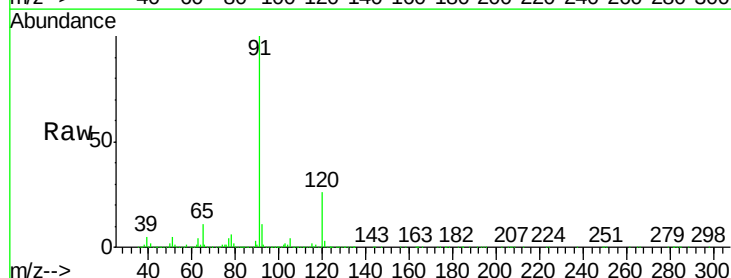
Acq: 27 Jul 2020 10:54

Tgt Ion: 91 Resp: 5652546

Ion Ratio Lower Upper

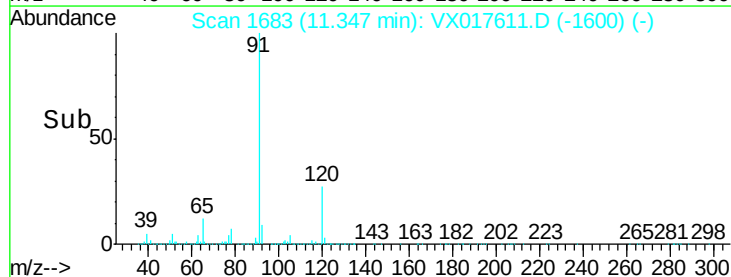
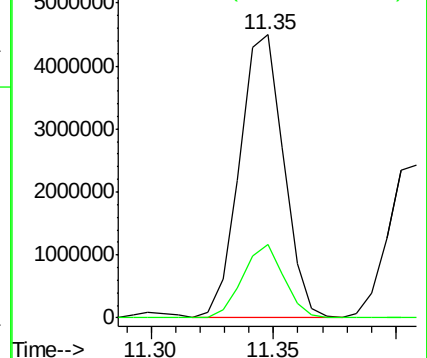
91 100

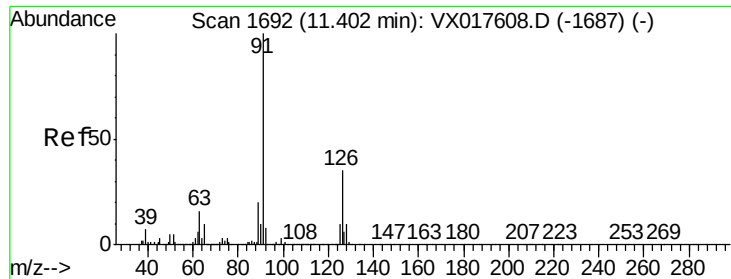
120 24.3 0.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 154.950 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3149243

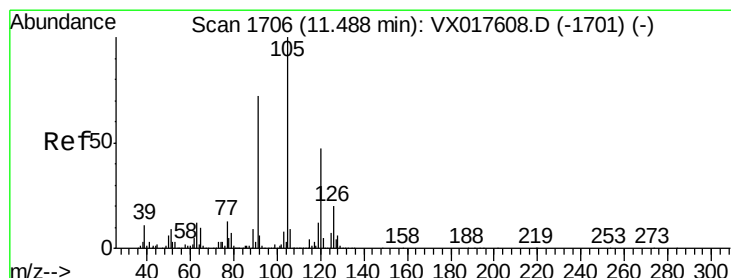
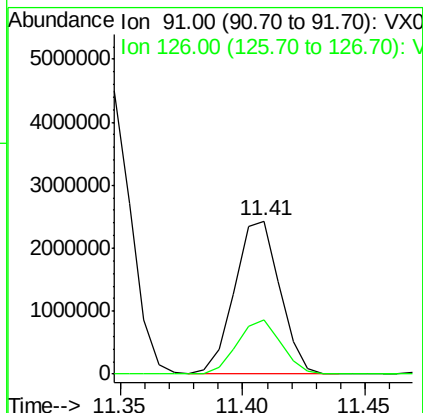
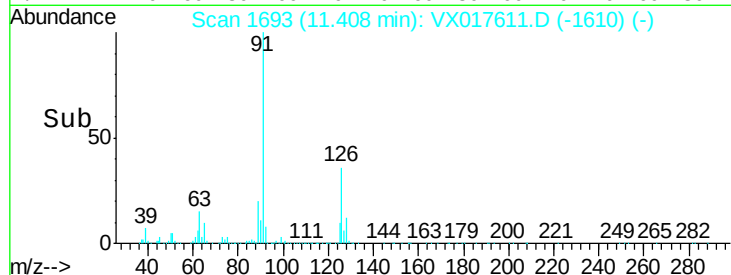
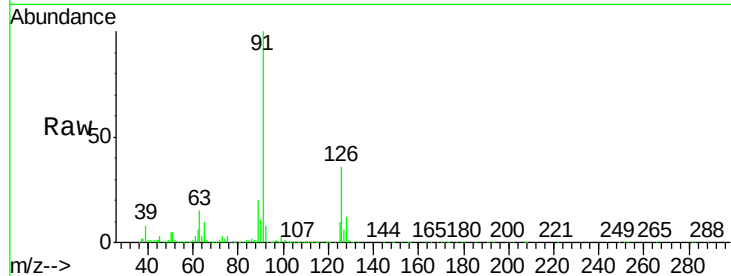
Ion Ratio Lower Upper

91 100

126 34.6 0.0 67.8

Manual Integrations  
APPROVED

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7/28/2020 10:31:26 AM



#76

1,3,5-Trimethylbenzene

Concen: 165.263 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX017611.D

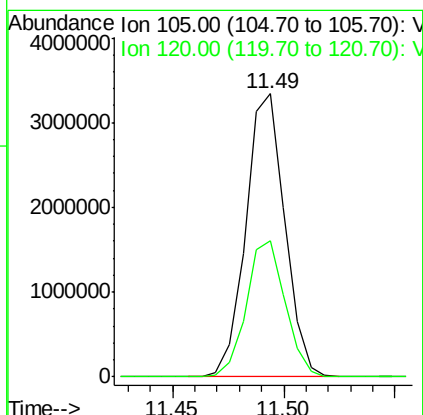
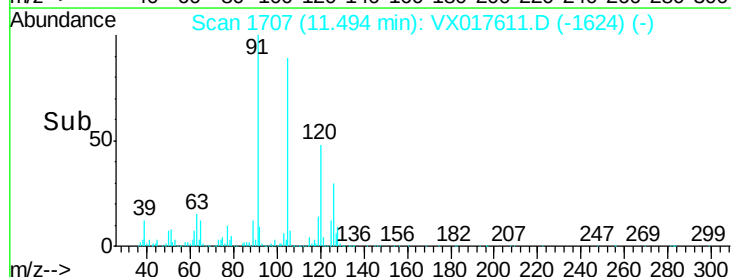
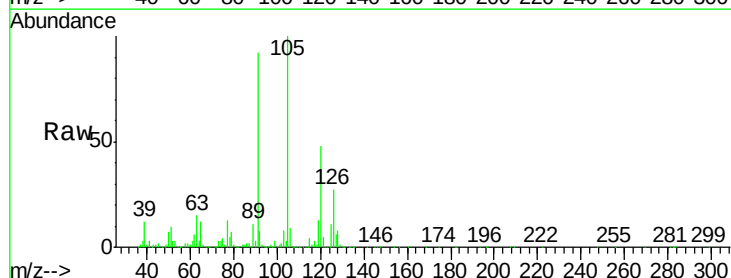
Acq: 27 Jul 2020 10:54

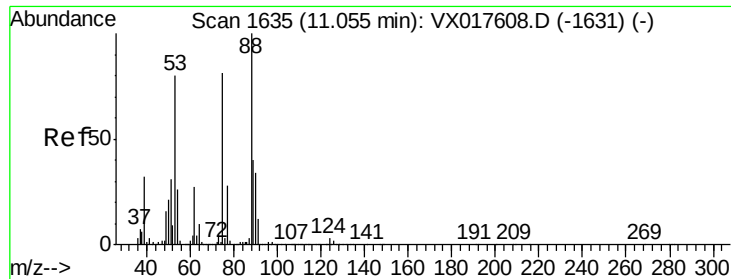
Tgt Ion: 105 Resp: 4078420

Ion Ratio Lower Upper

105 100

120 47.9 0.0 95.8





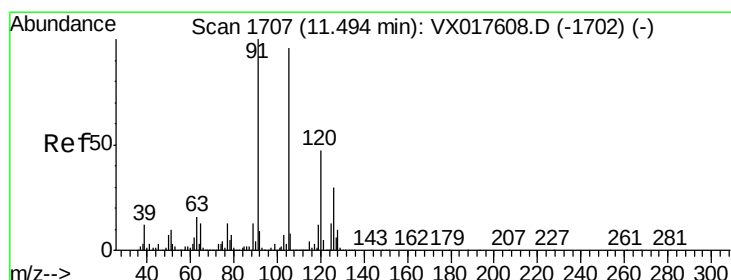
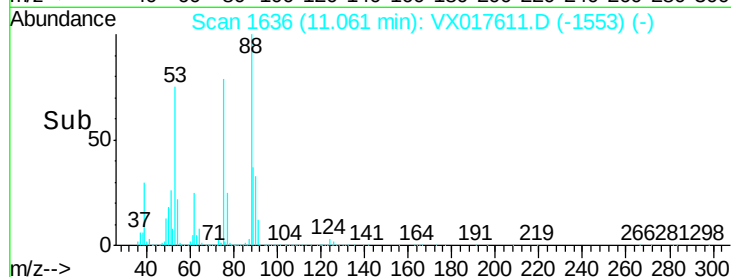
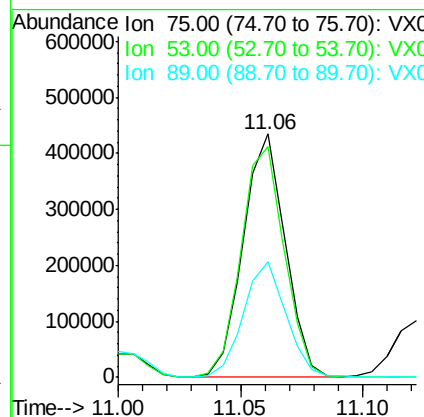
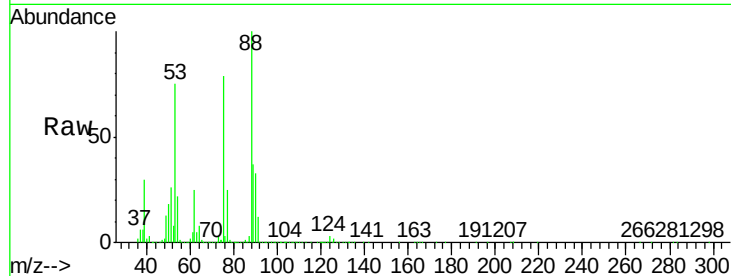
#77  
t-1,4-Dichloro-2-butene  
Concen: 150.817 ug/l  
RT: 11.06 min Scan# 1636  
Delta R.T. 0.01 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 94.8  | 49.0  | 147.0 |
| 89      | 47.2  | 24.4  | 73.2  |

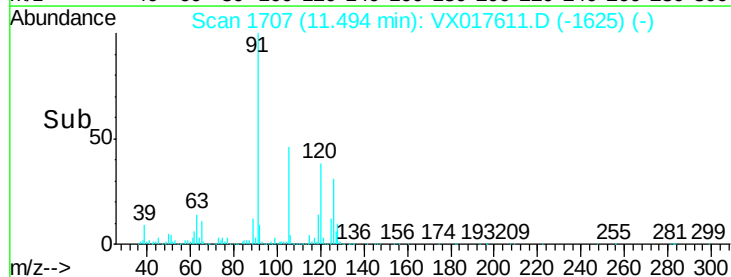
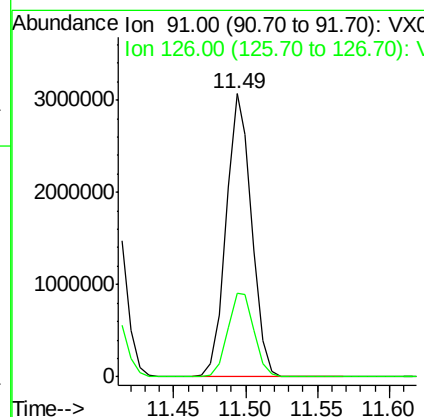
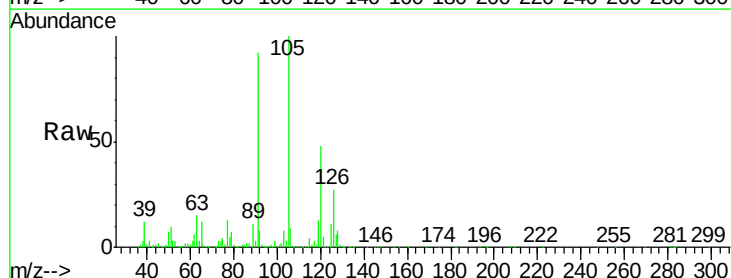
Manual Integrations  
APPROVED

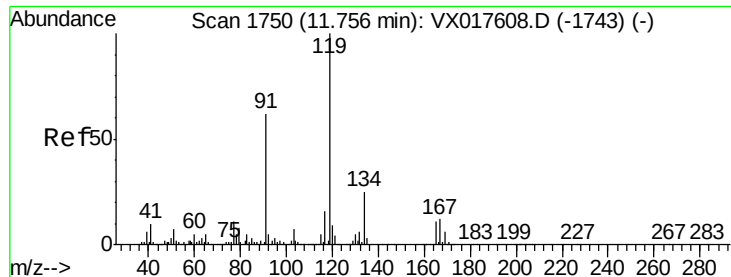
MMDadoda  
7/28/2020 10:31:26 AM



#78  
4-Chlorotoluene  
Concen: 158.390 ug/l  
RT: 11.49 min Scan# 1707  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 30.6  | 0.0   | 60.8  |





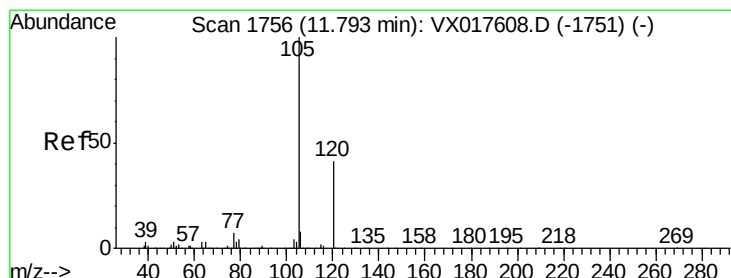
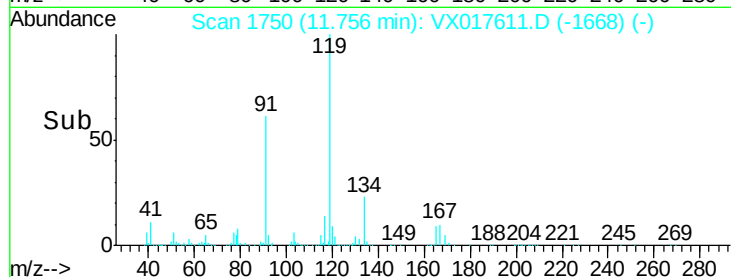
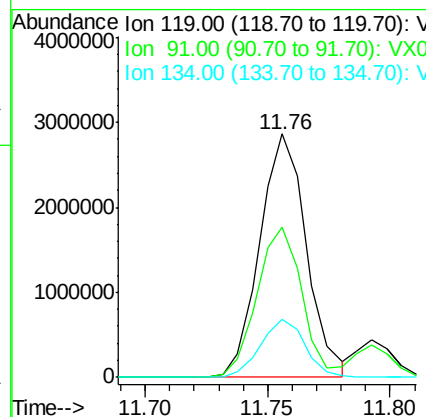
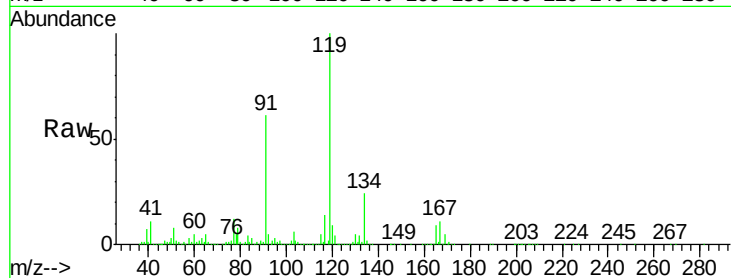
#79  
tert-butylbenzene  
Concen: 159.384 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 58.6  | 0.0   | 121.0 |
| 134     | 22.7  | 0.0   | 45.0  |

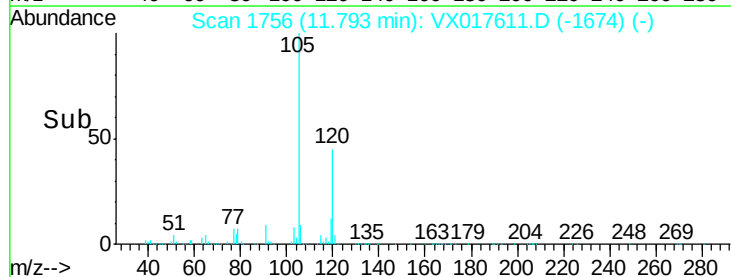
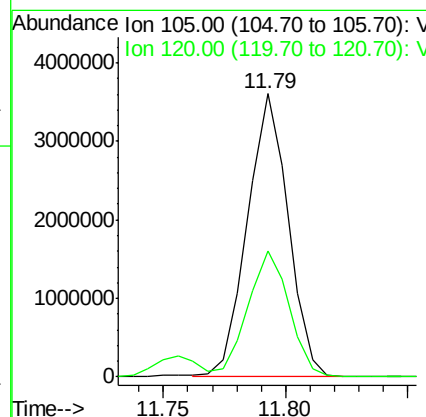
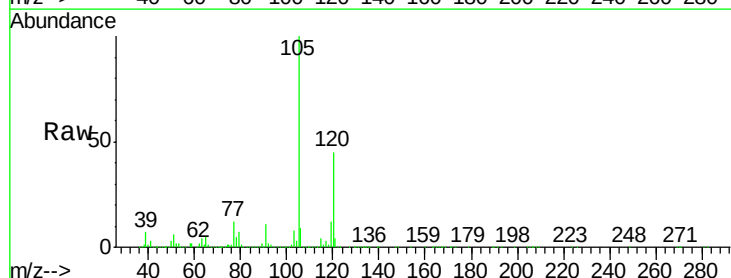
Manual Integrations  
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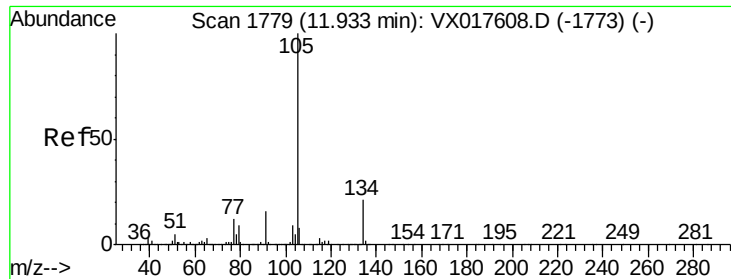
MMDadoda  
7/28/2020 10:31:26 AM



#80  
1,2,4-Trimethylbenzene  
Concen: 168.140 ug/l  
RT: 11.79 min Scan# 1756  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.1  | 0.0   | 90.0  |





#81

sec-Butylbenzene

Concen: 165.720 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4591525

Ion Ratio Lower Upper

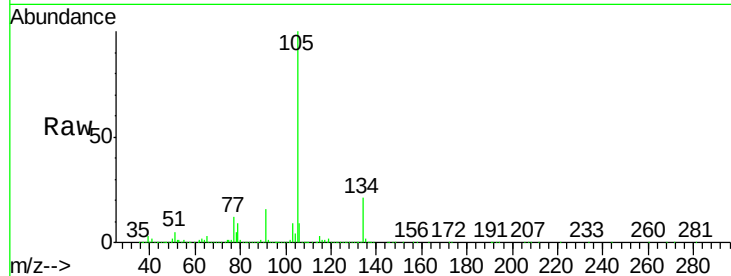
105 100

134 20.3 0.0 41.8

Manual Integrations  
APPROVED

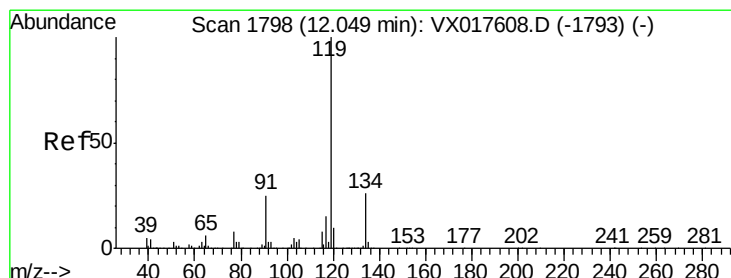
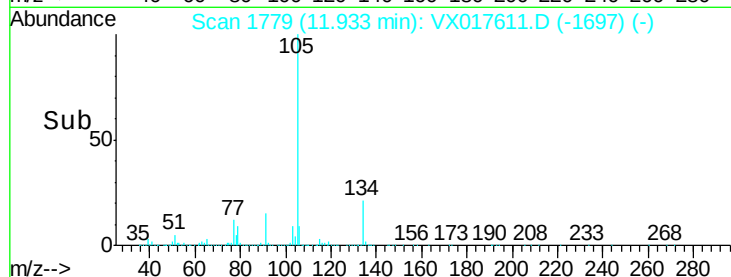
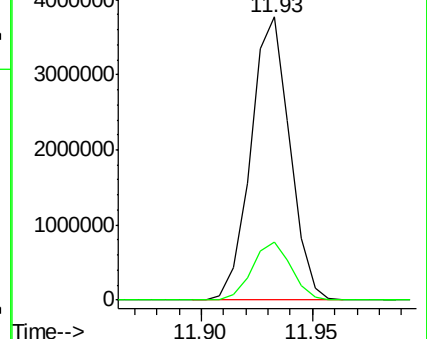
MMDadoda

7/28/2020 10:31:26 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 158.712 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

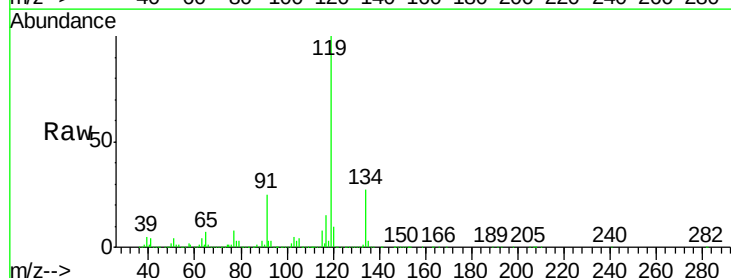
Tgt Ion:119 Resp: 4184860

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.6

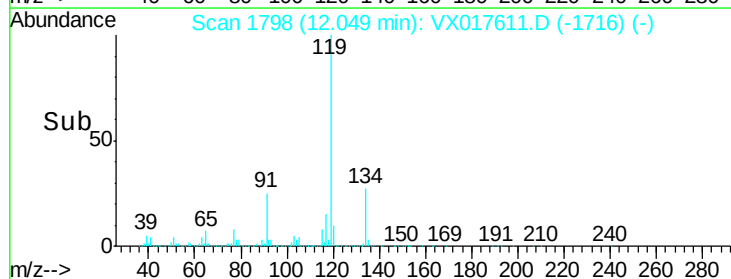
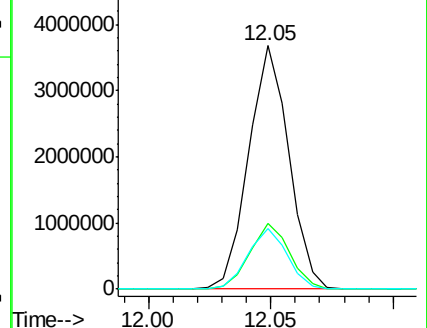
91 24.5 0.0 48.2

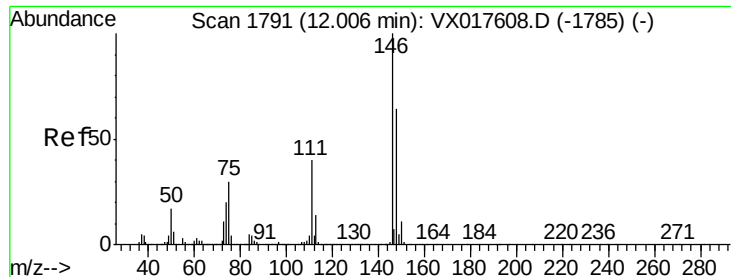


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





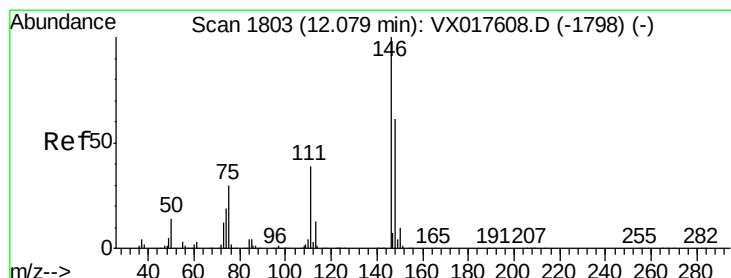
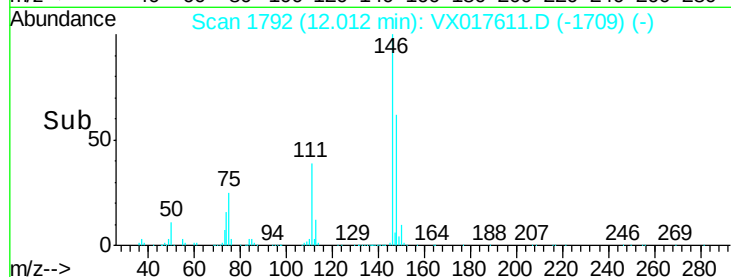
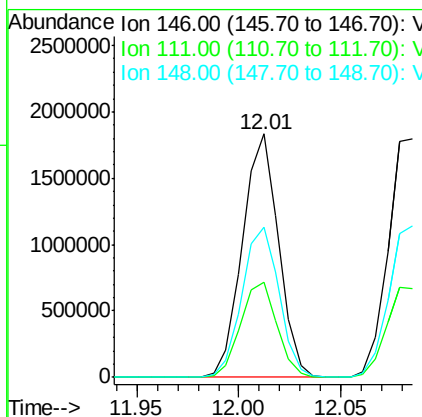
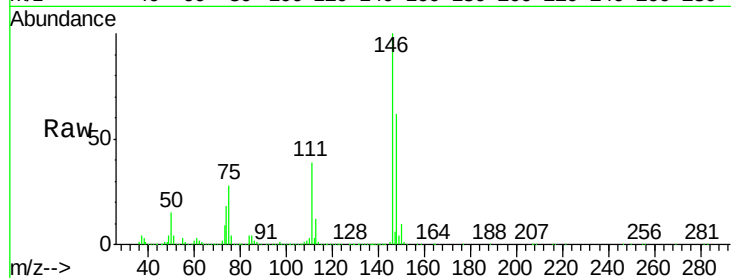
#83  
 1,3-Dichlorobenzene  
 Concen: 155.771 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. 0.01 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.5  | 19.9  | 59.7  |
| 148     | 63.4  | 32.6  | 98.0  |

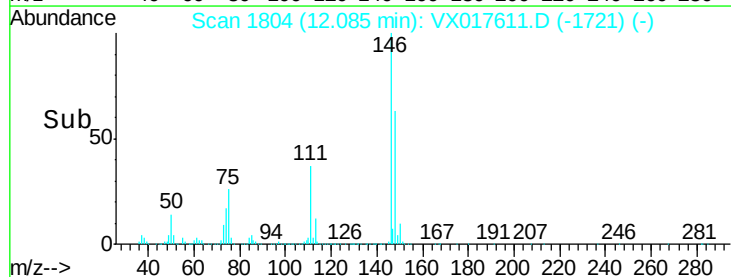
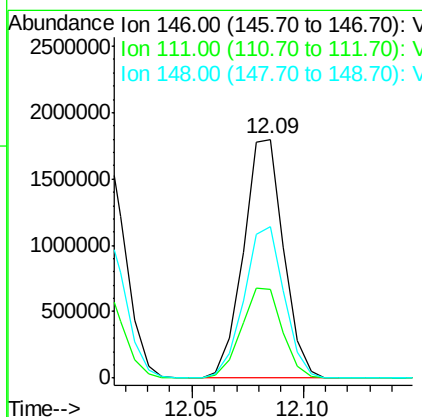
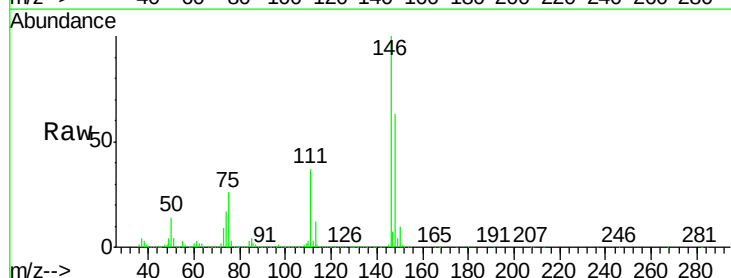
Manual Integrations  
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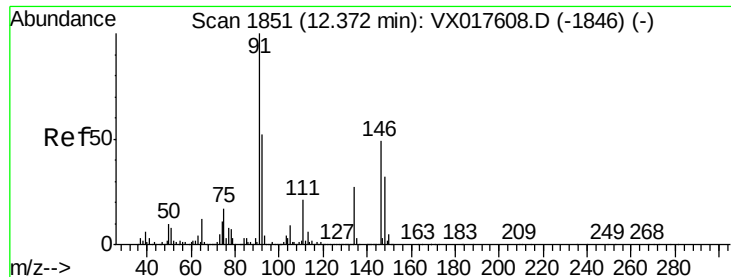
MMDadoda  
 7/28/2020 10:31:26 AM



#84  
 1,4-Dichlorobenzene  
 Concen: 154.743 ug/l  
 RT: 12.09 min Scan# 1804  
 Delta R.T. 0.01 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.2  | 18.7  | 56.1  |
| 148     | 63.2  | 31.6  | 94.8  |





#85

n-Butylbenzene

Concen: 166.526 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX017611.D

Acq: 27 Jul 2020 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3820368

Ion Ratio Lower Upper

91 100

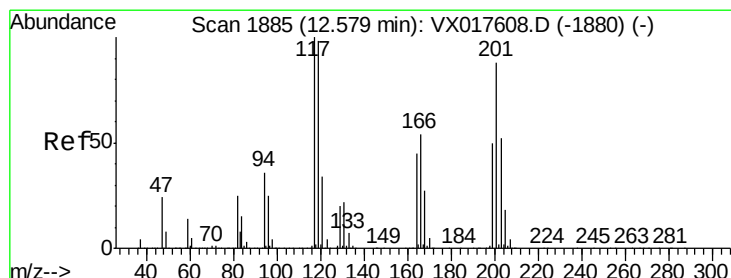
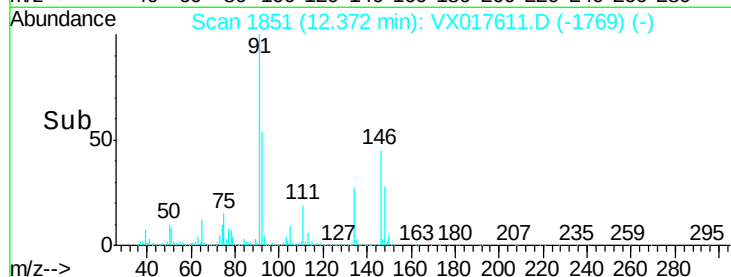
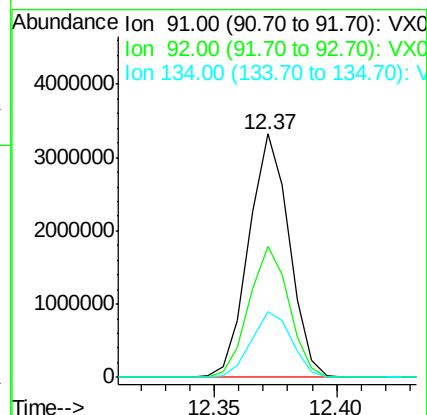
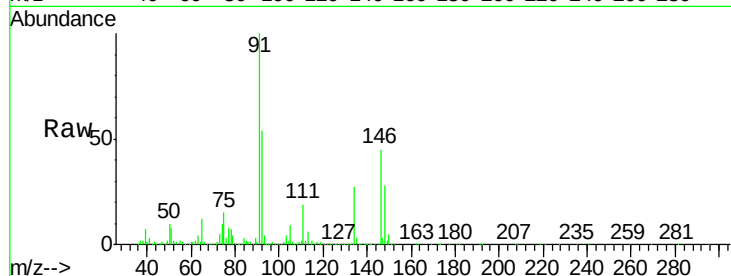
92 53.5 0.0 104.0

134 27.3 0.0 55.0

Manual Integrations  
APPROVED

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7/28/2020 10:31:26 AM



#86

Hexachloroethane

Concen: 172.304 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX017611.D

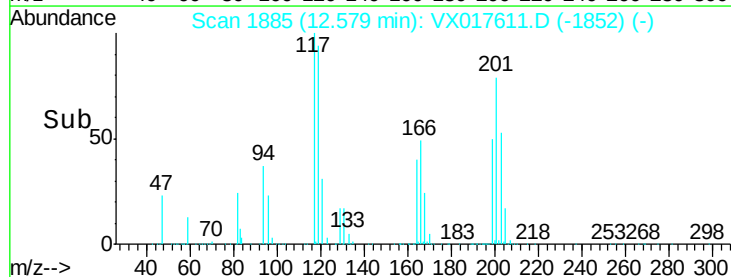
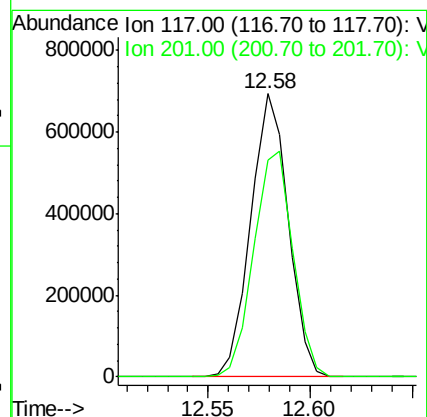
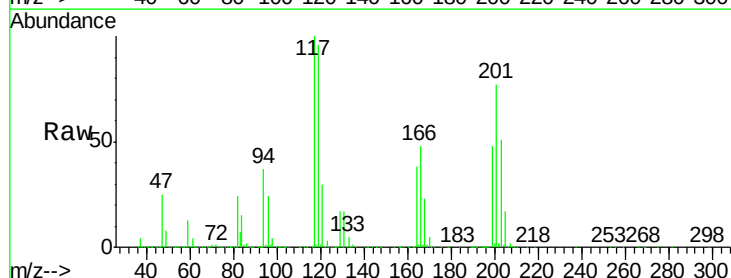
Acq: 27 Jul 2020 10:54

Tgt Ion: 117 Resp: 889515

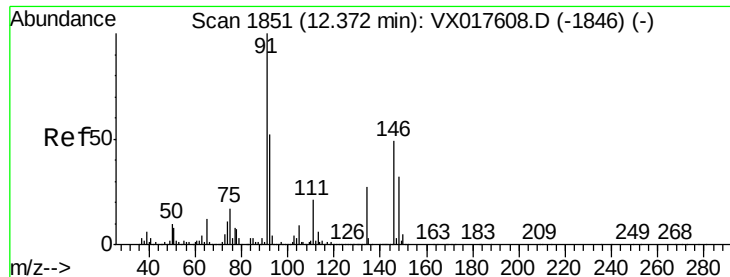
Ion Ratio Lower Upper

117 100

201 83.2 43.1 129.3







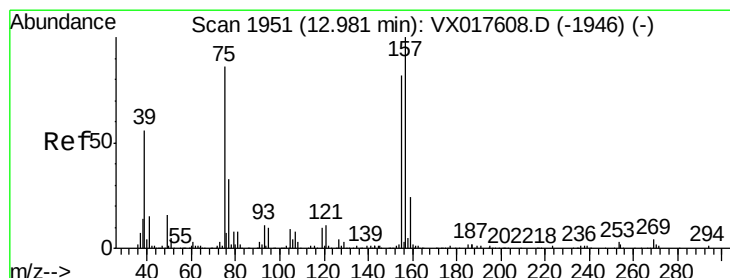
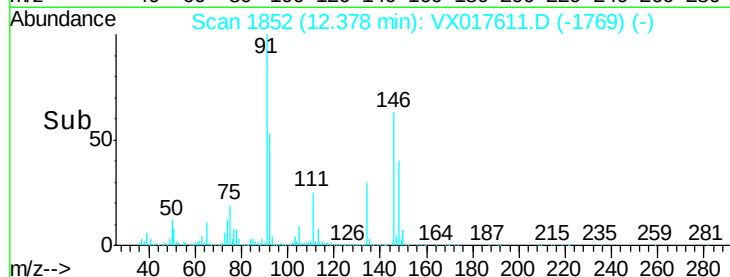
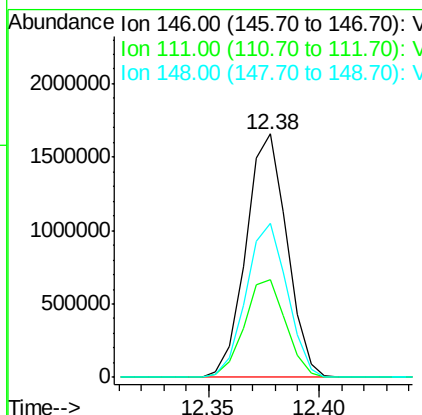
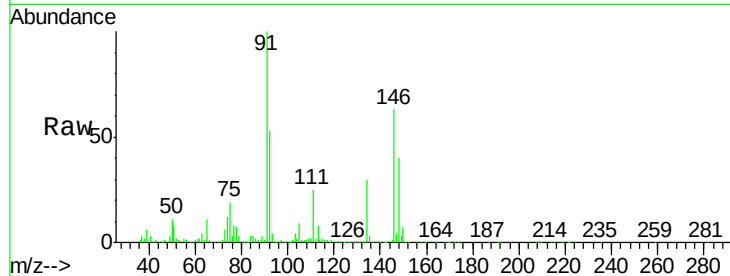
#87  
 1,2-Dichlorobenzene  
 Concen: 151.336 ug/l  
 RT: 12.38 min Scan# 1852  
 Delta R.T. 0.01 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 20.7  | 62.1  |
| 148     | 63.6  | 32.3  | 96.9  |

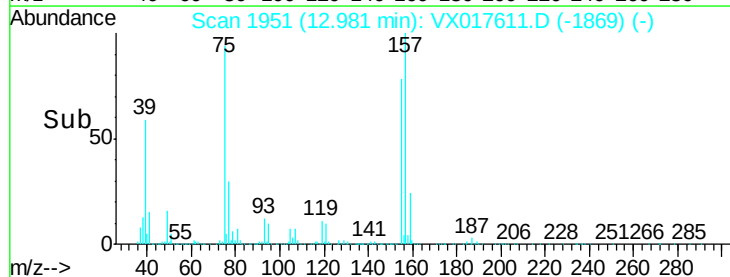
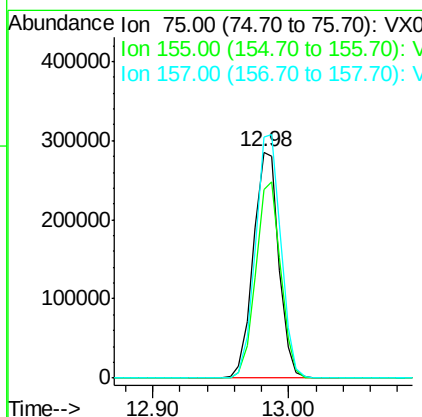
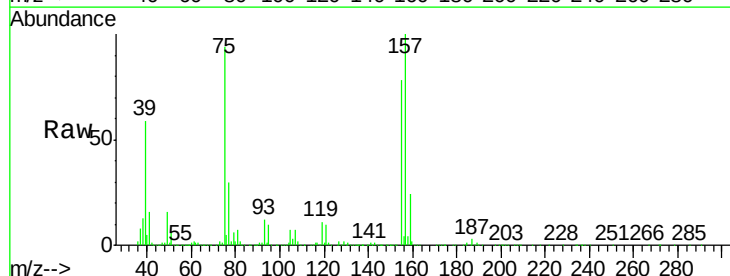
Manual Integrations  
 APPROVED

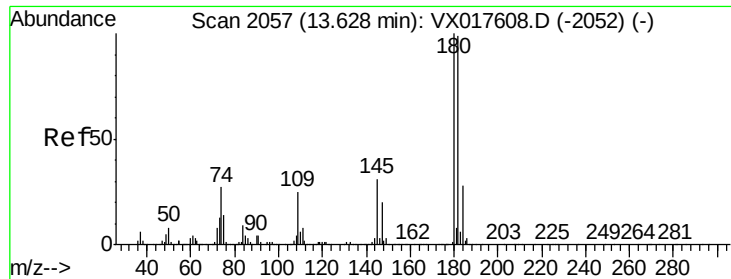
MMDadoda  
 7/28/2020 10:31:26 AM



#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 170.468 ug/l  
 RT: 12.98 min Scan# 1951  
 Delta R.T. -0.00 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 85.0  | 69.5  | 104.3 |
| 157     | 107.3 | 88.2  | 132.4 |





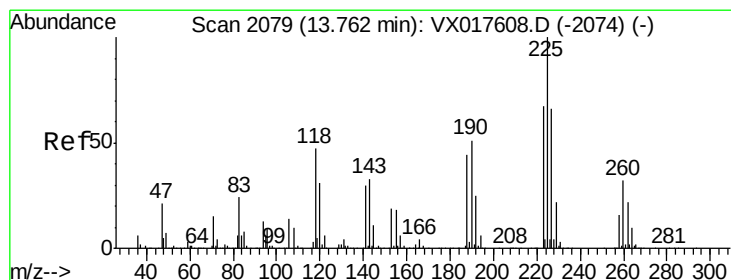
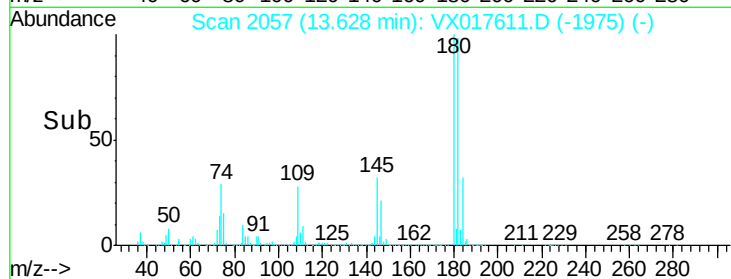
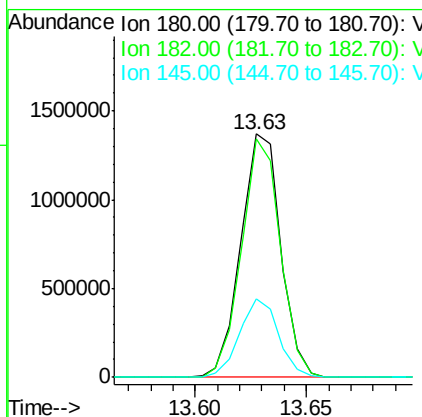
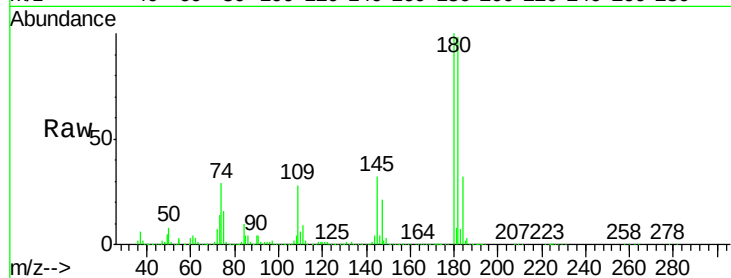
#89  
 1,2,4-Trichlorobenzene  
 Concen: 171.808 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. -0.00 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

Tot Ion:180 Resp: 1714906  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 77.4 116.0  
 145 31.4 24.9 37.3

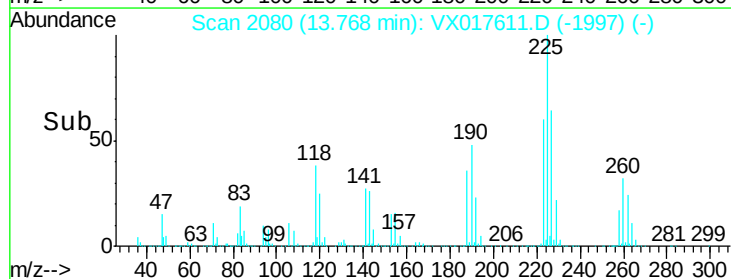
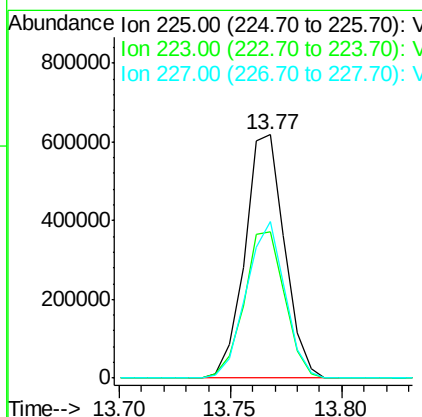
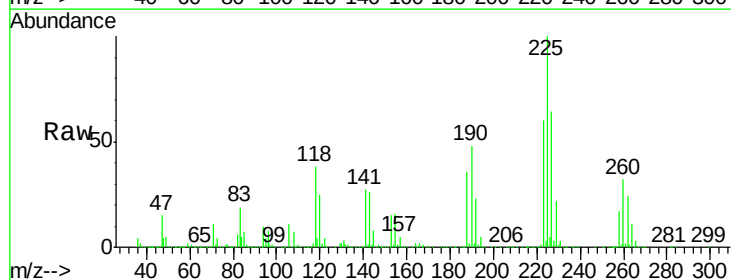
Manual Integrations  
 APPROVED

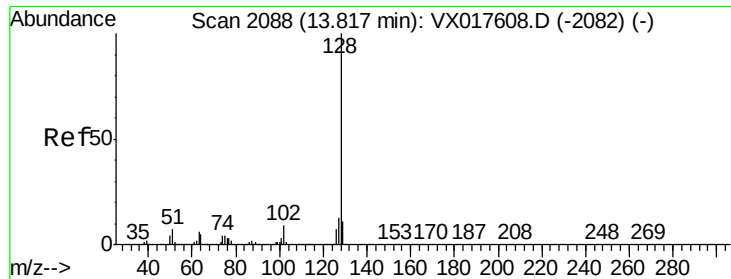
MMDadoda  
 7/28/2020 10:31:26 AM



#90  
 Hexachlorobutadiene  
 Concen: 188.884 ug/l  
 RT: 13.77 min Scan# 2080  
 Delta R.T. 0.01 min  
 Lab File: VX017611.D  
 Acq: 27 Jul 2020 10:54

Tgt Ion:225 Resp: 769405  
 Ion Ratio Lower Upper  
 225 100  
 223 61.4 0.0 130.8  
 227 62.3 0.0 127.2





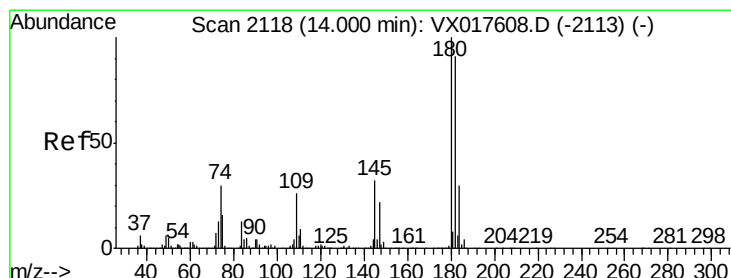
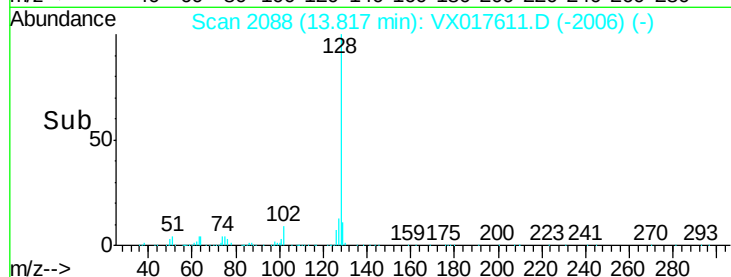
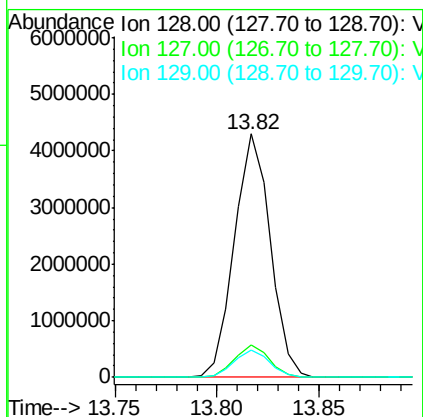
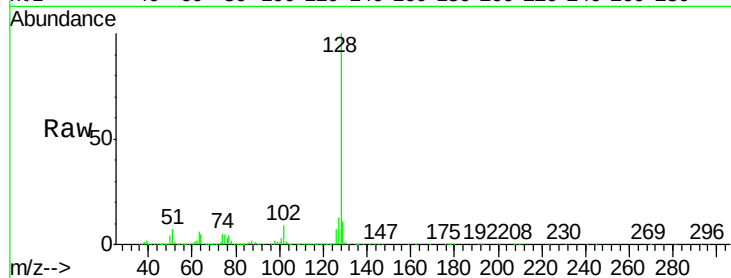
#91  
Naphthalene  
Concen: 172.289 ug/l  
RT: 13.82 min Scan# 2088  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.2  | 15.2  |
| 129     | 11.1  | 8.7   | 13.1  |

Manual Integrations  
APPROVED

MMDadoda  
7/28/2020 10:31:26 AM



#92  
1,2,3-Trichlorobenzene  
Concen: 165.512 ug/l  
RT: 14.00 min Scan# 2118  
Delta R.T. -0.00 min  
Lab File: VX017611.D  
Acq: 27 Jul 2020 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.6  | 0.0   | 190.2 |
| 145     | 33.3  | 0.0   | 63.8  |

