

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090219\  
 Data File : VX012011.D  
 Acq On : 02 Sep 2019 12:54  
 Operator : SY/SP  
 Sample : VSTDIC010  
 Misc : 5.00g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC010

Manual Integrations  
 APPROVED

sam  
 9/3/2019 2:16:09 PM

Quant Time: Sep 03 04:52:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X090219S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 03 04:42:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 409756   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 537945   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 499020   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 294345   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 39721    | 10.21 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 20.42% |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 39851    | 11.47 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 22.94% |          |
| 50) Toluene-d8              | 8.71  | 98   | 130153   | 10.48 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 20.96% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 63662    | 11.73 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 23.46% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85   | 25773    | 10.348 | ug/l   | 96     |
| 3) Chloromethane              | 1.31 | 50   | 23967    | 8.543  | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.39 | 62   | 24710    | 9.127  | ug/l   | 95     |
| 5) Bromomethane               | 1.62 | 94   | 18096    | 9.626  | ug/l   | 99     |
| 6) Chloroethane               | 1.71 | 64   | 15007    | 8.919  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101  | 46488    | 9.834  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.17 | 74   | 13628    | 8.524  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101  | 30230    | 9.830  | ug/l   | 98     |
| 10) Methyl Iodide             | 2.50 | 142  | 21246    | 7.416  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 3.03 | 59   | 15332    | 41.980 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 2.36 | 96   | 26140    | 9.184  | ug/l   | 99     |
| 13) Acrolein                  | 2.28 | 56   | 6546     | 37.118 | ug/l   | 91     |
| 14) Allyl chloride            | 2.72 | 41   | 44371    | 8.461  | ug/l   | 98     |
| 15) Acrylonitrile             | 3.13 | 53   | 35624    | 41.205 | ug/l   | 99     |
| 16) Acetone                   | 2.43 | 43   | 36762    | 44.529 | ug/l   | 100    |
| 17) Carbon Disulfide          | 2.56 | 76   | 66532    | 8.128  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.76 | 43   | 18218    | 8.076  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 3.18 | 73   | 78946    | 8.693  | ug/l   | 100    |
| 20) Methylene Chloride        | 2.84 | 84   | 32239    | 7.891  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96   | 30467    | 9.108  | ug/l   | 96     |
| 22) Diisopropyl ether         | 3.84 | 45   | 90172    | 8.450  | ug/l   | 91     |
| 23) Vinyl Acetate             | 3.80 | 43   | 281025   | 41.021 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 3.69 | 63   | 53388    | 9.006  | ug/l   | 99     |
| 25) 2-Butanone                | 4.66 | 43   | 48766    | 41.096 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 4.56 | 77   | 50861    | 10.069 | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96   | 35597    | 9.084  | ug/l   | 99     |
| 28) Bromochloromethane        | 5.00 | 49   | 20703    | 7.923  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 5.12 | 42   | 28734    | 38.813 | ug/l   | 97     |
| 30) Chloroform                | 5.20 | 83   | 58237    | 9.154  | ug/l   | 95     |
| 31) Cyclohexane               | 5.56 | 56   | 44810    | 9.247  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97   | 54874    | 9.620  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 5.78 | 75   | 40256    | 9.454  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.82 | 43   | 19695    | 8.028  | ug/l # | 91     |
| 38) Carbon Tetrachloride      | 5.77 | 117  | 49657    | 9.981  | ug/l   | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090219\  
 Data File : VX012011.D  
 Acq On : 02 Sep 2019 12:54  
 Operator : SY/SP  
 Sample : VSTDIC010  
 Misc : 5.00g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDIC010

Manual Integrations  
 APPROVED

sam  
 9/3/2019 2:16:09 PM

Quant Time: Sep 03 04:52:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X090219S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 03 04:42:10 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 49954    | 9.792   | ug/l   | 97       |
| 40) Benzene                    | 6.13  | 78   | 117110   | 9.305   | ug/l   | 97       |
| 41) Methacrylonitrile          | 5.03  | 41   | 11934    | 8.230   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 40211    | 9.411   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.44  | 43   | 41891    | 8.403   | ug/l   | 99       |
| 44) Trichloroethene            | 7.20  | 130  | 38924    | 9.861   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 29406    | 8.982   | ug/l   | 98       |
| 46) Dibromomethane             | 7.65  | 93   | 17293    | 8.861   | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.89  | 83   | 44603    | 9.232   | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.76  | 41   | 20472    | 8.440   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 7.73  | 88   | 5999     | 180.817 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 106625   | 42.181  | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 79698    | 9.531   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 44290    | 8.952   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 49854    | 8.978   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 26242    | 9.191   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 34305    | 8.719   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 42802    | 9.050   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 78324    | 42.463  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.48  | 43   | 75910    | 42.244  | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.57  | 129  | 35187    | 9.152   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 25429    | 8.982   | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.33  | 164  | 41638    | 10.334  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.14 | 112  | 94244    | 9.794   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 36704    | 9.453   | ug/l   | 97       |
| 67) Ethyl Benzene              | 10.25 | 91   | 160012   | 9.789   | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 125410   | 19.841  | ug/l   | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 61110    | 9.935   | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 103760   | 9.612   | ug/l   | 100      |
| 71) Bromoform                  | 10.85 | 173  | 24590    | 8.959   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.01 | 105  | 167141   | 9.897   | ug/l   | 99       |
| 74) N-amyl acetate             | 10.89 | 43   | 40082    | 8.183   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 30341    | 8.932   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 26809m   | 9.621   | ug/l   |          |
| 77) Bromobenzene               | 11.25 | 156  | 48383    | 9.876   | ug/l   | 100      |
| 78) n-propylbenzene            | 11.35 | 91   | 188192   | 9.863   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 111155   | 9.704   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 143802   | 9.909   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 9826     | 8.683   | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 133422   | 9.666   | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 148896   | 10.055  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 144382   | 9.707   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 171844   | 10.025  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 167258   | 10.053  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 90784    | 10.001  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 89672    | 9.777   | ug/l   | 96       |
| 89) n-Butylbenzene             | 12.39 | 91   | 144612   | 9.848   | ug/l   | 99       |
| 90) Hexachloroethane           | 12.59 | 117  | 30892    | 9.606   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 80775    | 9.582   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 5905     | 8.733   | ug/l   | 97       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090219\  
Data File : VX012011.D  
Acq On : 02 Sep 2019 12:54  
Operator : SY/SP  
Sample : VSTDICC010  
Misc : 5.00g/5.0mL/MSVOA X/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC010

Manual Integrations  
APPROVED

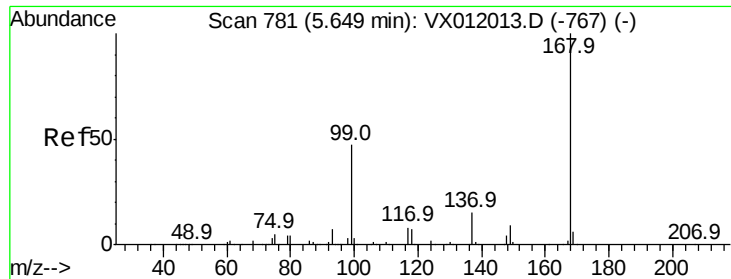
sam  
9/3/2019 2:16:09 PM

Quant Time: Sep 03 04:52:43 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X090219S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 03 04:42:10 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 68758    | 9.655  | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 50032    | 10.419 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 106541   | 8.868  | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 61251    | 9.543  | ug/l  | 99       |

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





#1

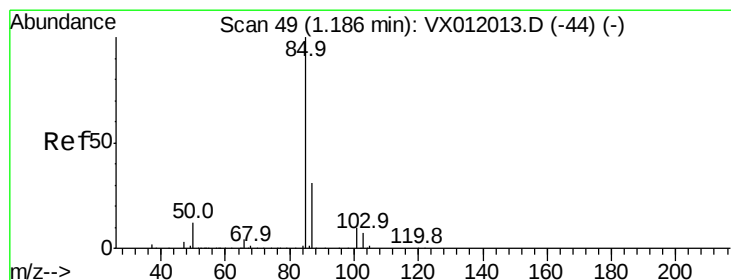
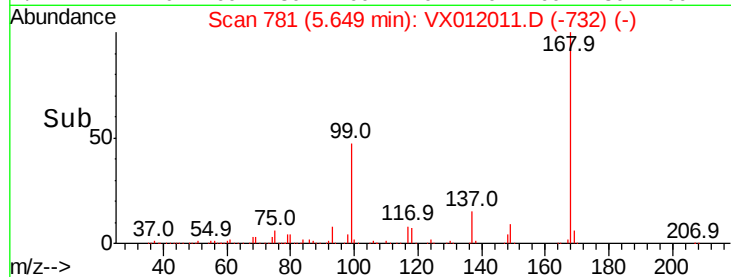
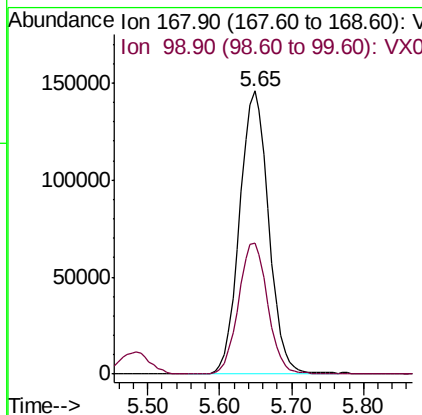
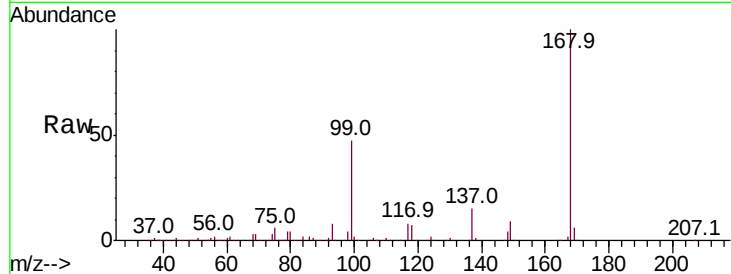
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 781  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 46.4  | 37.6  | 56.4  |

Manual Integrations  
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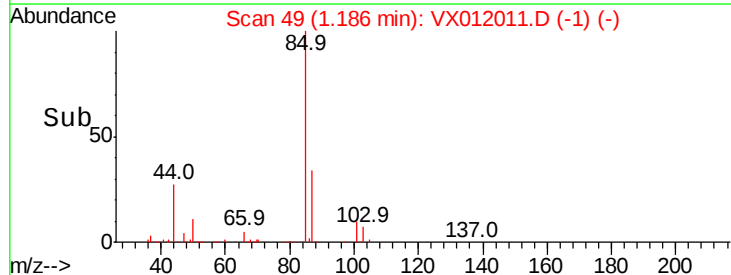
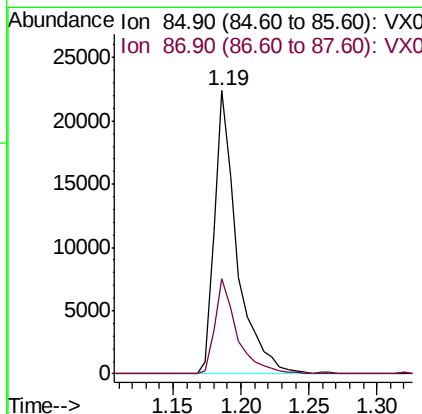
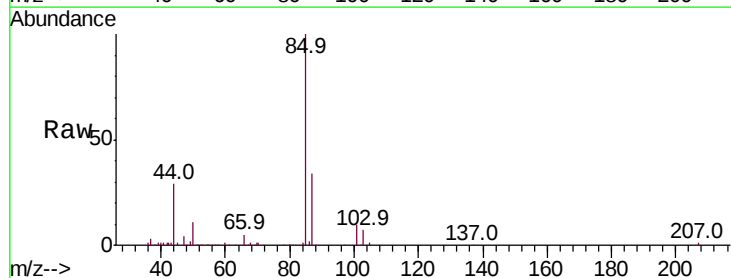
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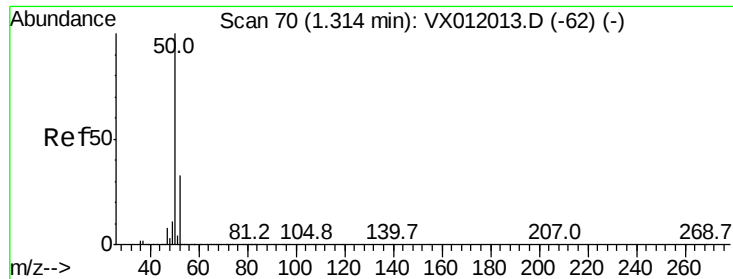


#2

Dichlorodifluoromethane  
 Concen: 10.348 ug/l  
 RT: 1.19 min Scan# 49  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 33.6  | 15.6  | 46.8  |





#3

Chloromethane

Concen: 8.543 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 23967

Ion Ratio Lower Upper

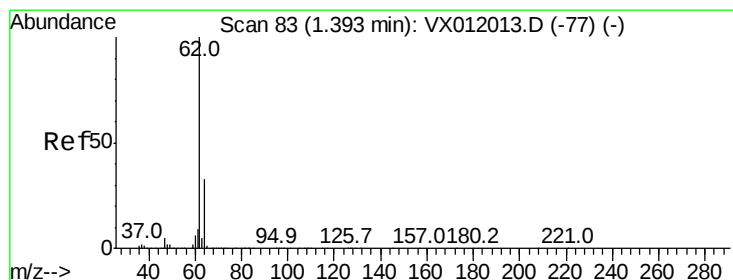
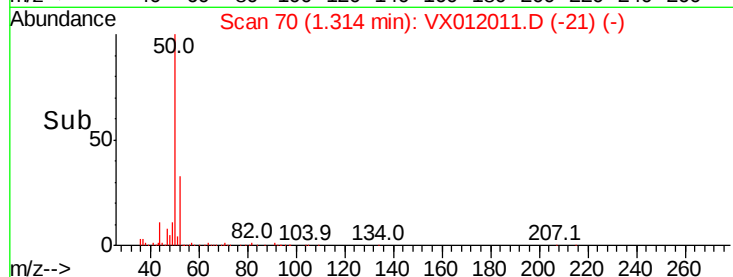
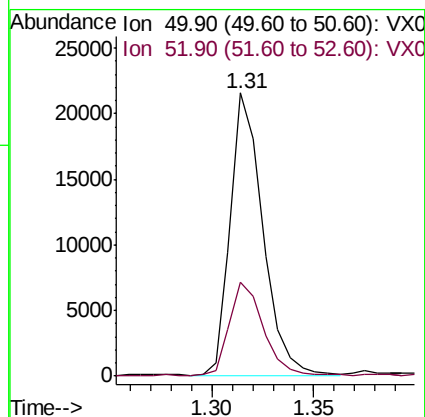
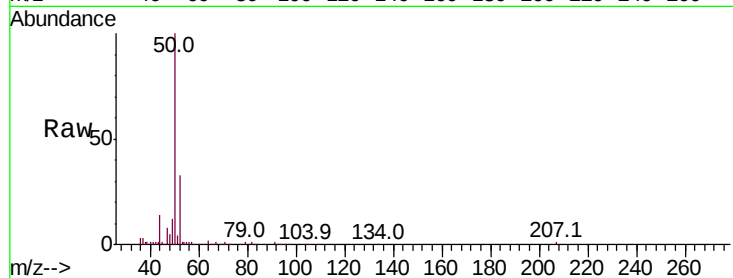
50 100

52 32.8 26.5 39.7

Manual Integrations  
APPROVED

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#4

Vinyl Chloride

Concen: 9.127 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012011.D

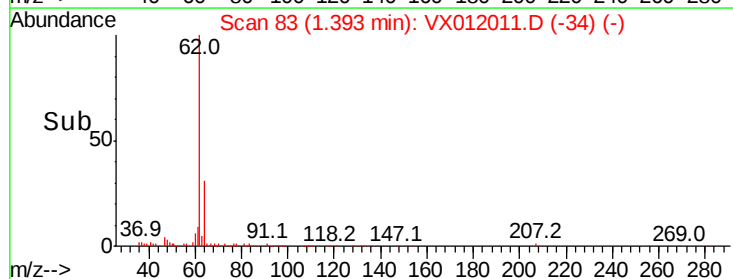
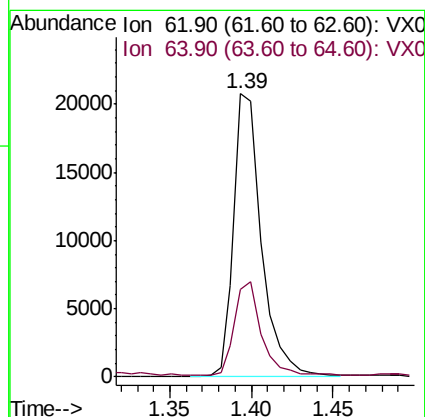
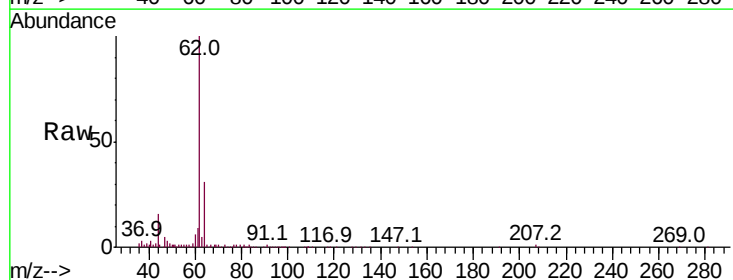
Acq: 02 Sep 2019 12:54

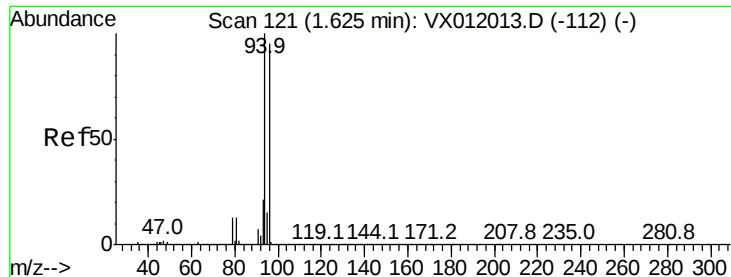
Tgt Ion: 62 Resp: 24710

Ion Ratio Lower Upper

62 100

64 30.0 26.2 39.4





#5

Bromomethane

Concen: 9.626 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 18096

Ion Ratio Lower Upper

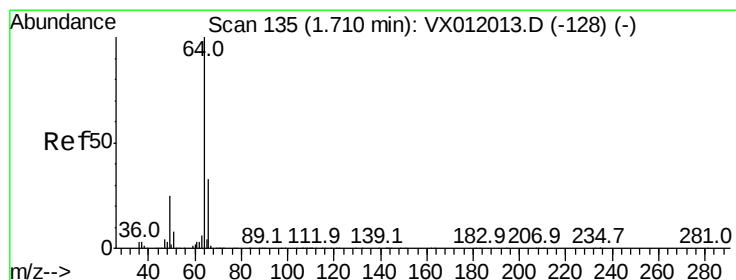
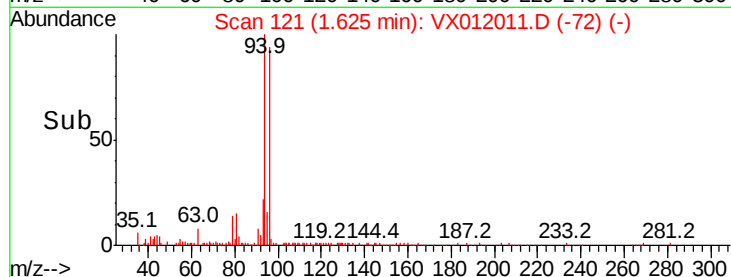
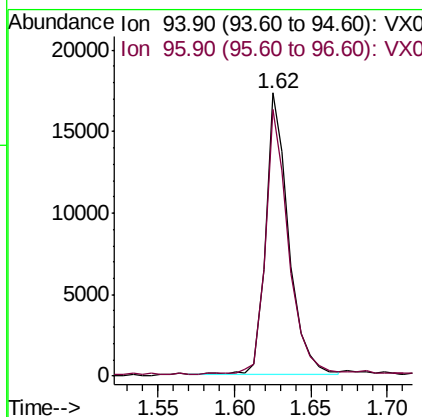
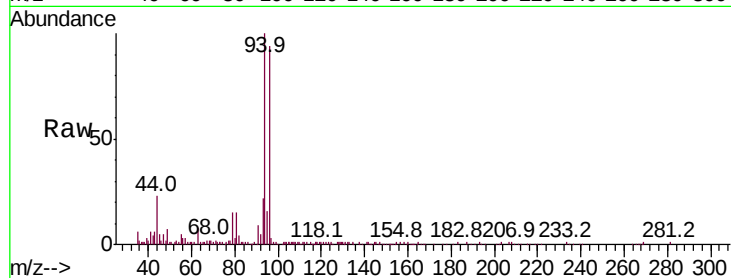
94 100

96 94.0 76.3 114.5

Manual Integrations  
APPROVED

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#6

Chloroethane

Concen: 8.919 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012011.D

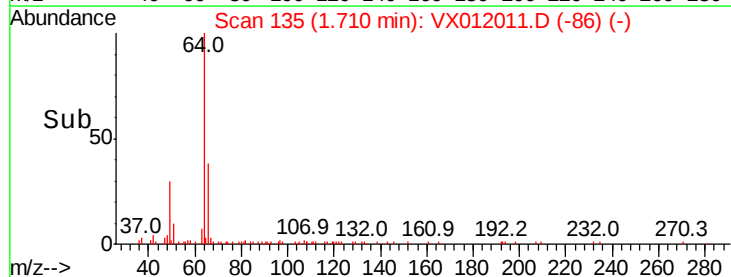
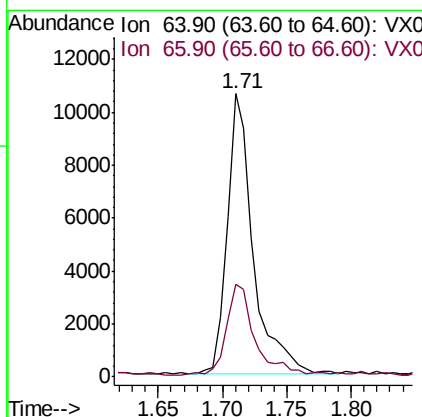
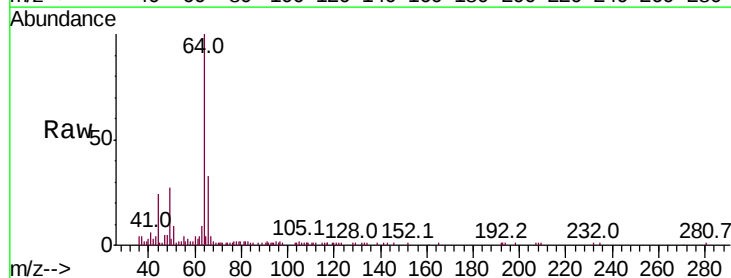
Acq: 02 Sep 2019 12:54

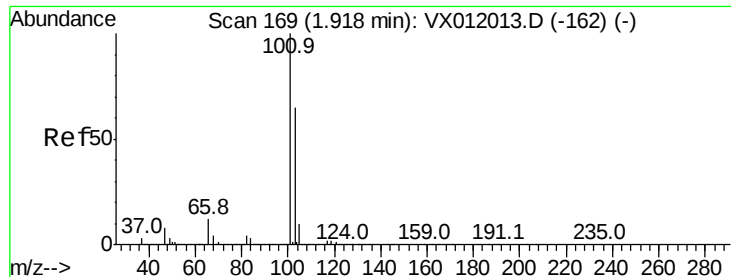
Tgt Ion: 64 Resp: 15007

Ion Ratio Lower Upper

64 100

66 32.1 26.3 39.5





#7

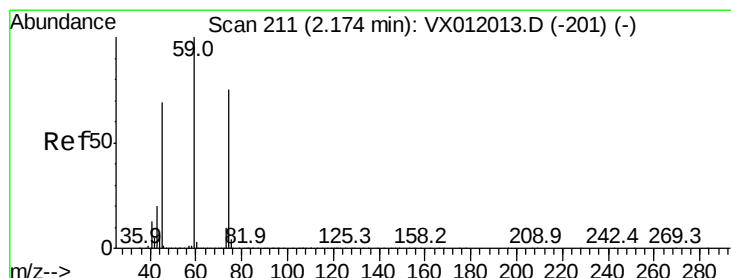
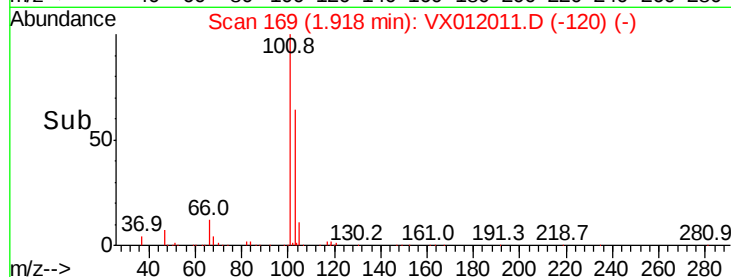
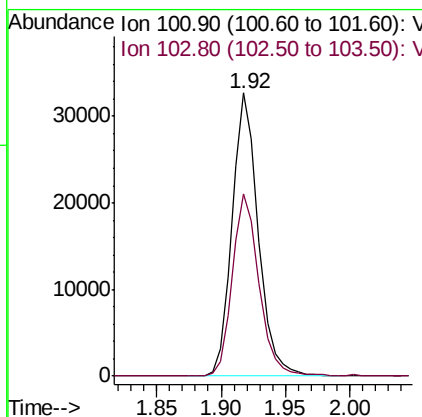
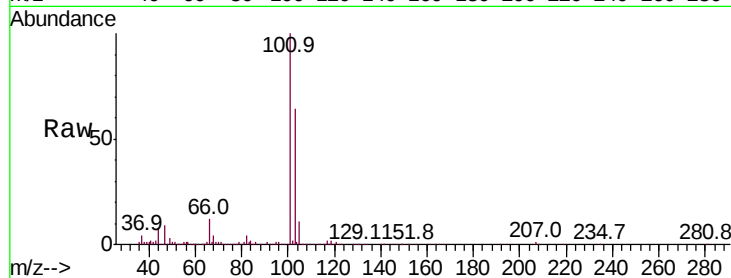
Trichlorofluoromethane  
Concen: 9.834 ug/l  
RT: 1.92 min Scan# 169  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.0  | 51.6  | 77.4  |

Manual Integrations  
APPROVED

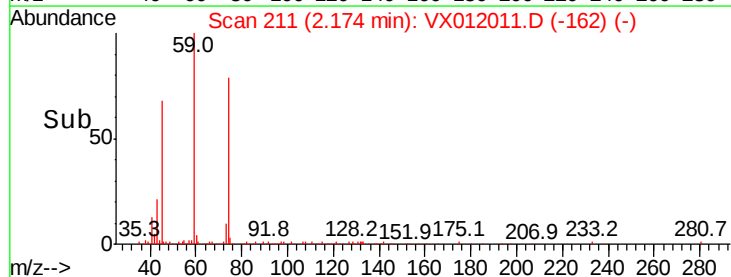
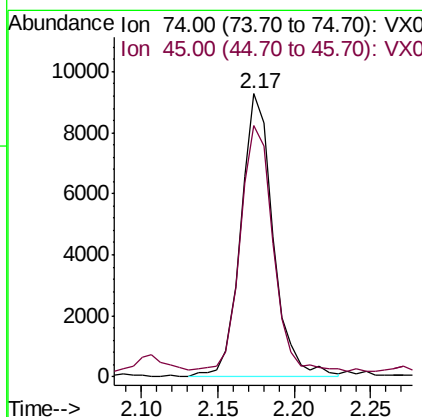
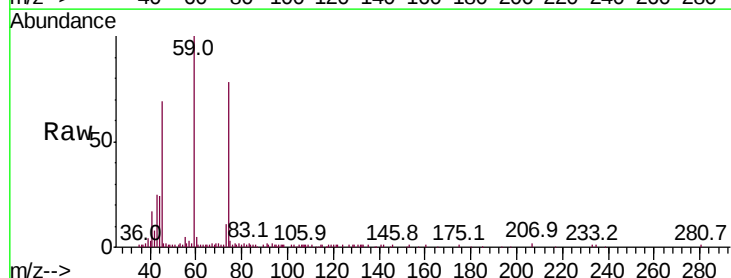
sam  
9/3/2019 2:16:09 PM

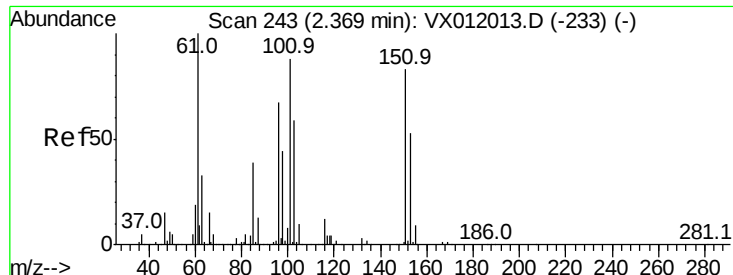


#8

Diethyl Ether  
Concen: 8.524 ug/l  
RT: 2.17 min Scan# 211  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 89.6  | 45.9  | 137.6 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.830 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

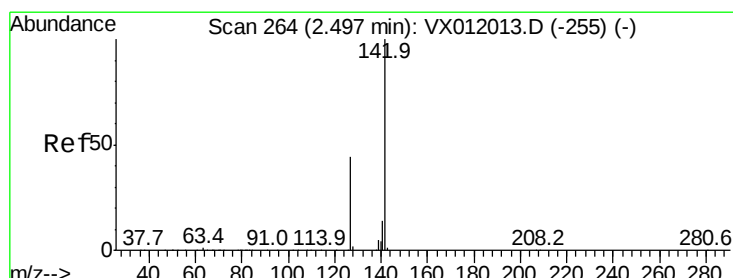
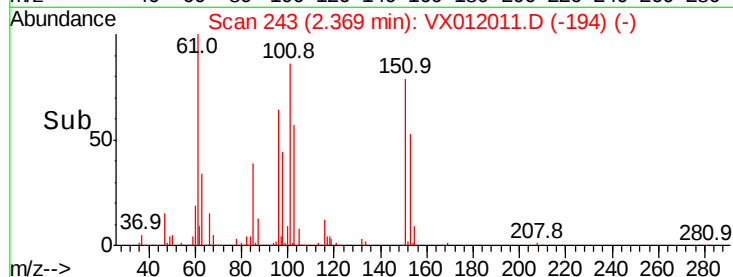
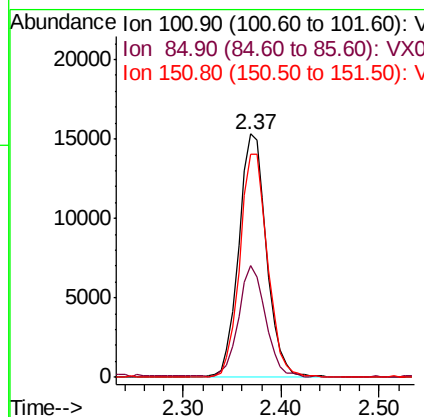
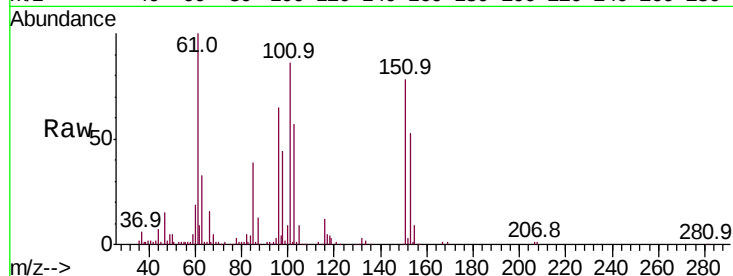
ClientSampleId :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 30230 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 44.7  | 34.5  | 51.7  |
| 151       | 91.5  | 75.0  | 112.4 |

Manual Integrations  
APPROVED

sam  
9/3/2019 2:16:09 PM



#10

Methyl Iodide

Concen: 7.416 ug/l

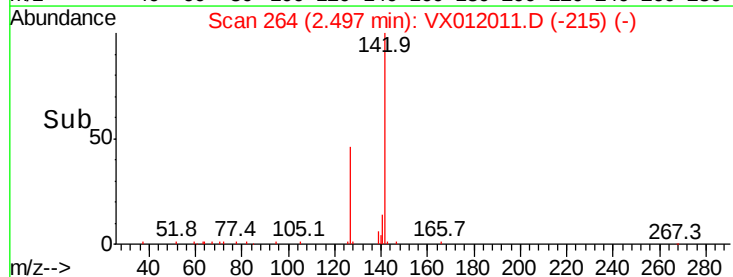
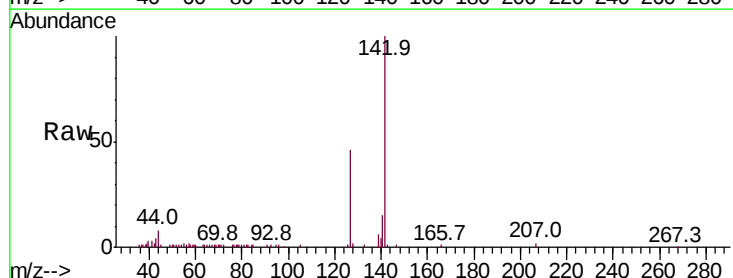
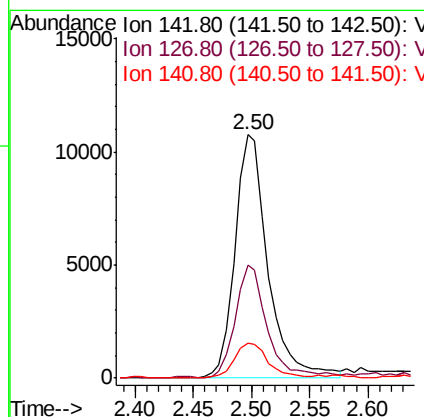
RT: 2.50 min Scan# 264

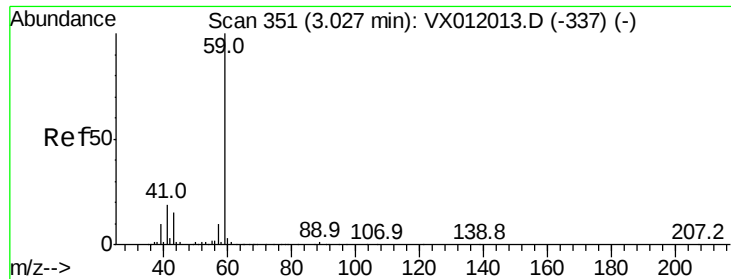
Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 21246 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 45.5  | 35.4  | 53.2  |
| 141       | 15.0  | 11.4  | 17.2  |





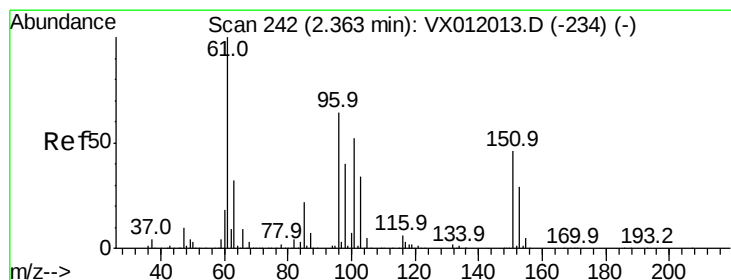
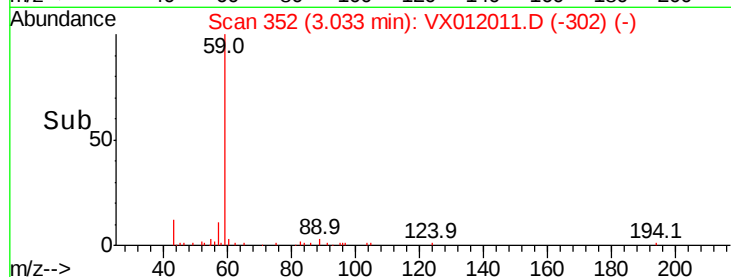
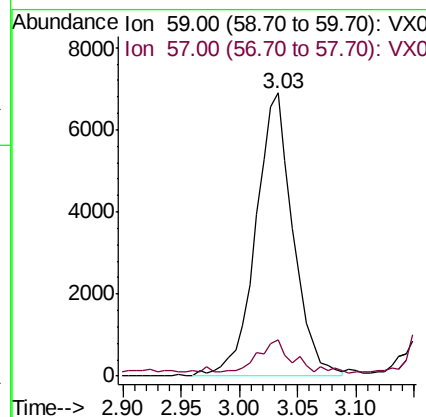
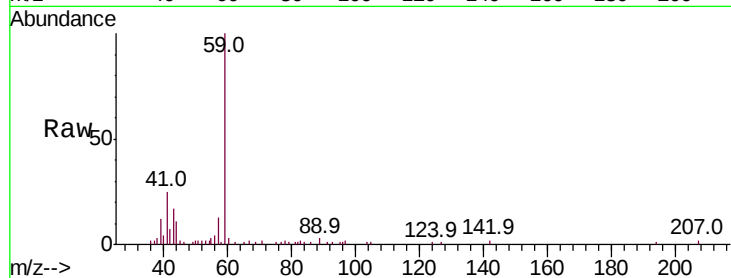
#11  
Tert butyl alcohol  
Concen: 41.980 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. 0.01 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.3   | 7.9   | 11.9  |

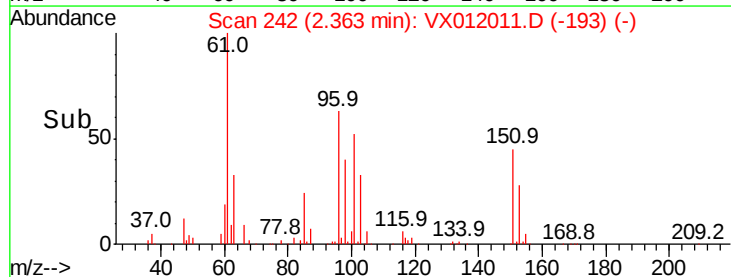
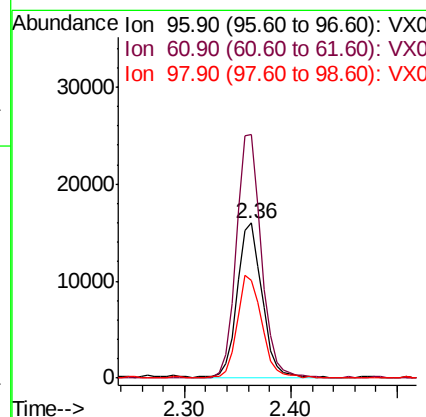
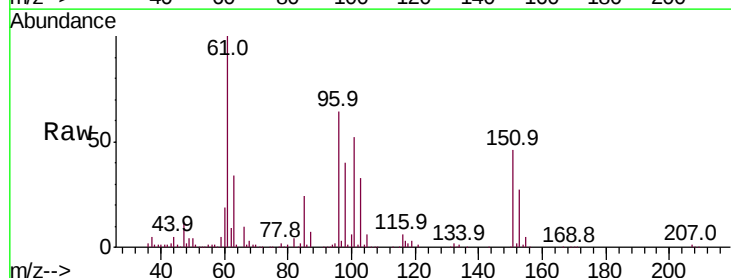
Manual Integrations  
APPROVED

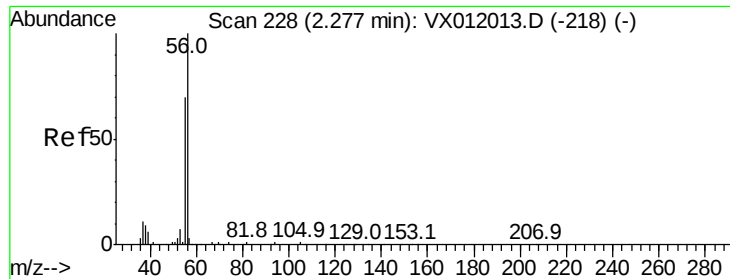
sam  
9/3/2019 2:16:09 PM



#12  
1,1-Dichloroethene  
Concen: 9.184 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.2 | 124.1 | 186.1 |
| 98      | 62.6  | 50.2  | 75.2  |





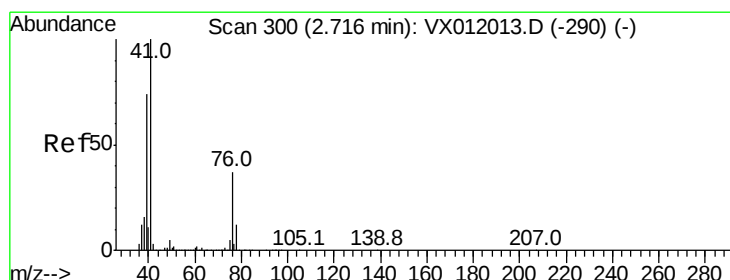
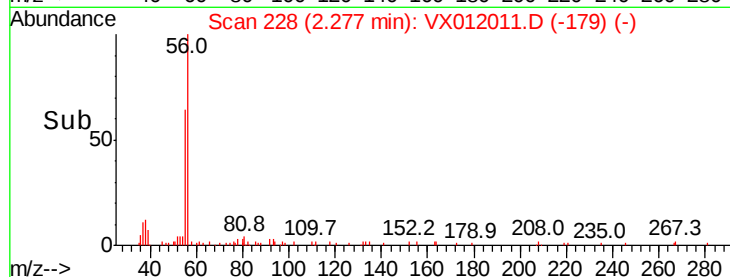
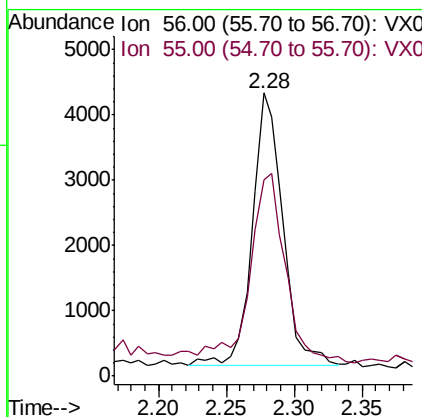
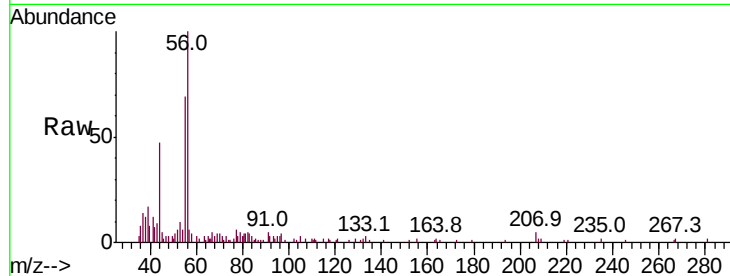
#13  
Acrolein  
Concen: 37.118 ug/l  
RT: 2.28 min Scan# 228  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 81.3  | 59.2  | 88.8  |

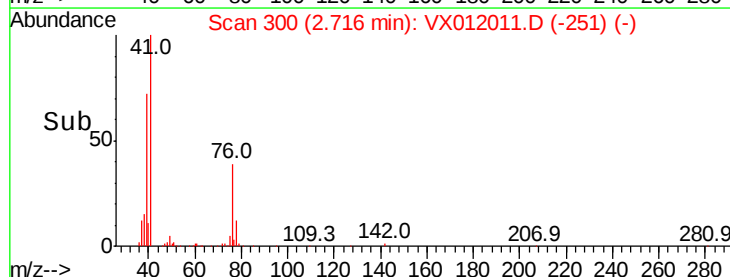
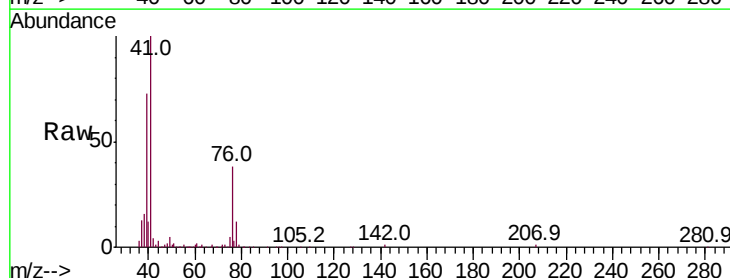
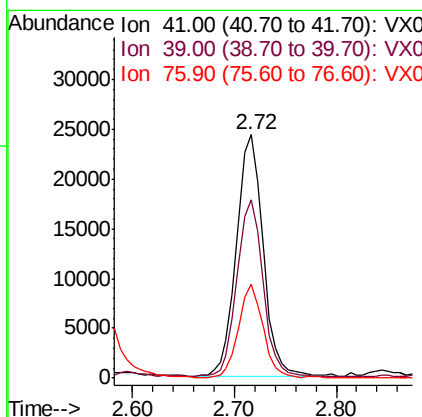
Manual Integrations  
APPROVED

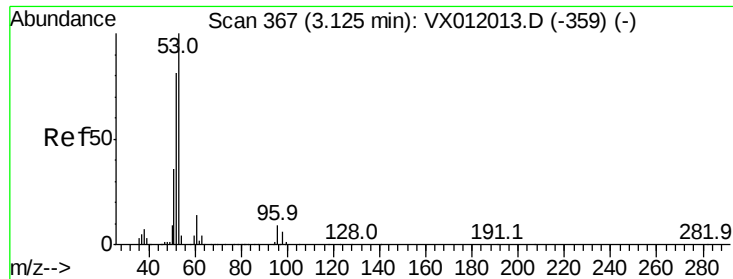
sam  
9/3/2019 2:16:09 PM



#14  
Allyl chloride  
Concen: 8.461 ug/l  
RT: 2.72 min Scan# 300  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 71.1  | 57.9  | 86.9  |
| 76      | 34.5  | 28.5  | 42.7  |





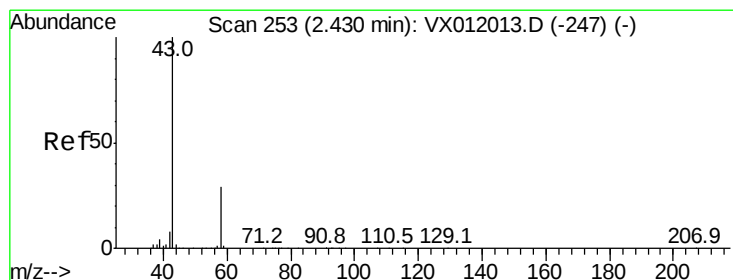
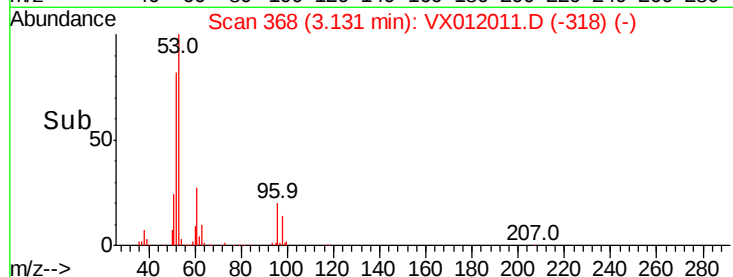
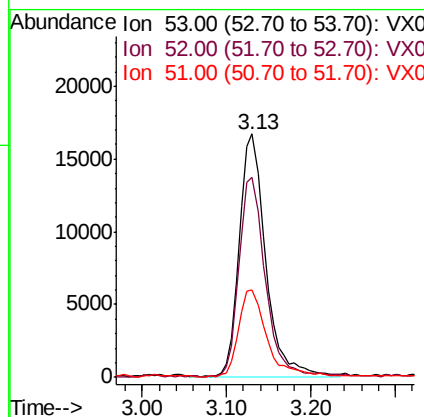
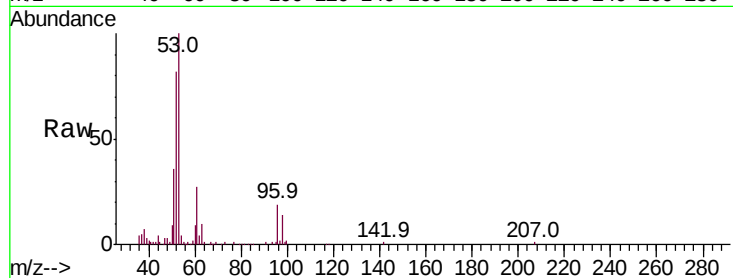
#15  
 Acrylonitrile  
 Concen: 41.205 ug/l  
 RT: 3.13 min Scan# 368  
 Delta R.T. 0.01 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 82.5  | 65.6  | 98.4  |
| 51      | 38.9  | 29.8  | 44.6  |

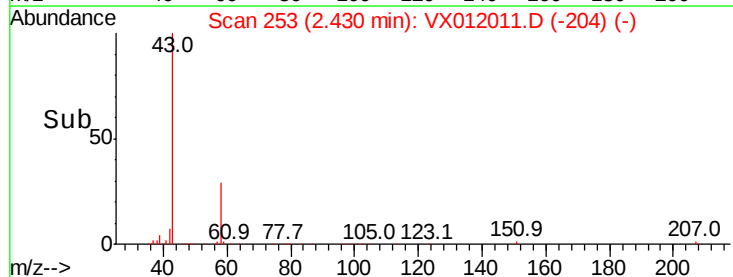
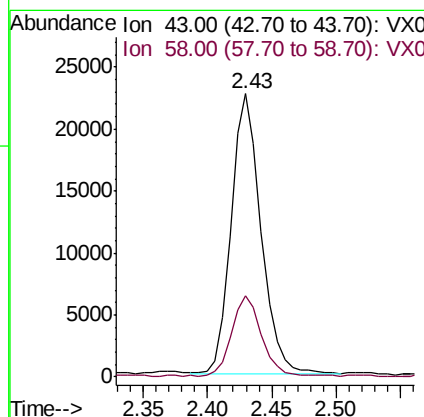
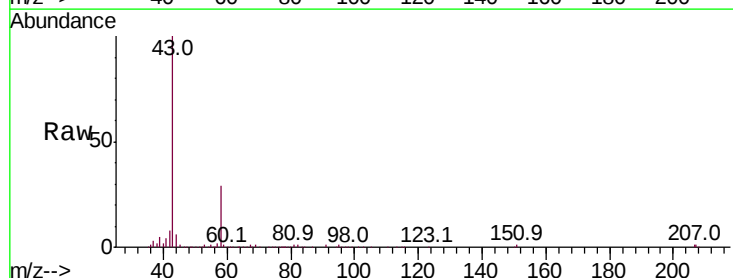
Manual Integrations  
 APPROVED

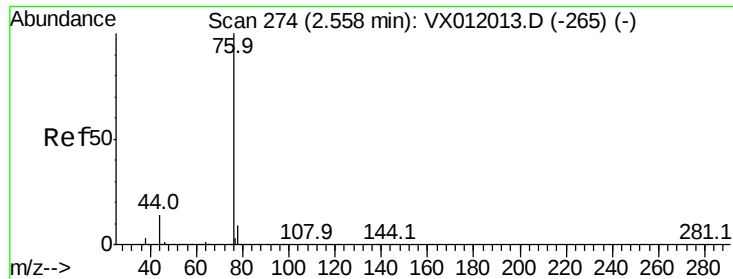
sam  
 9/3/2019 2:16:09 PM



#16  
 Acetone  
 Concen: 44.529 ug/l  
 RT: 2.43 min Scan# 253  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 28.4  | 22.8  | 34.2  |





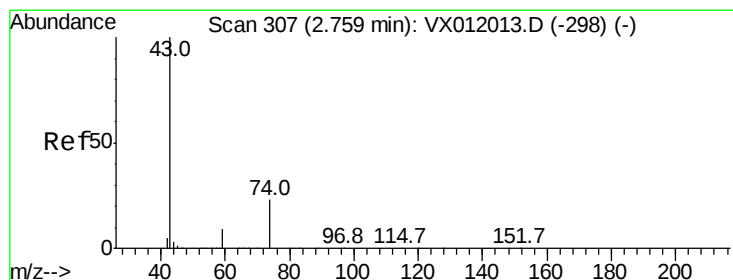
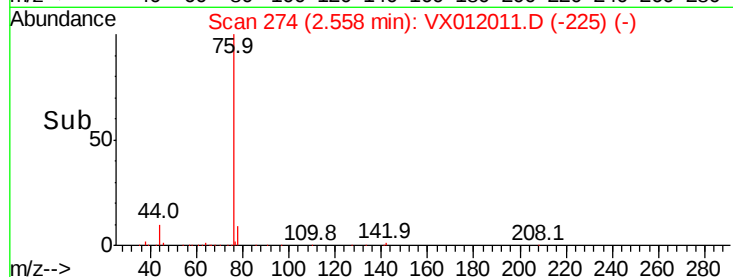
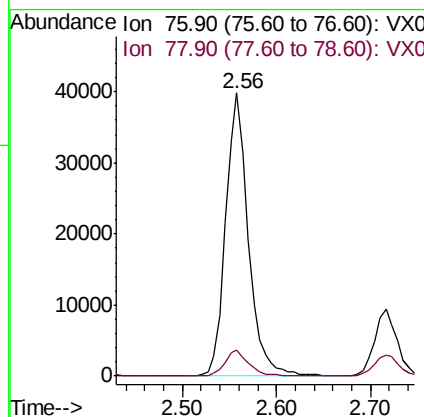
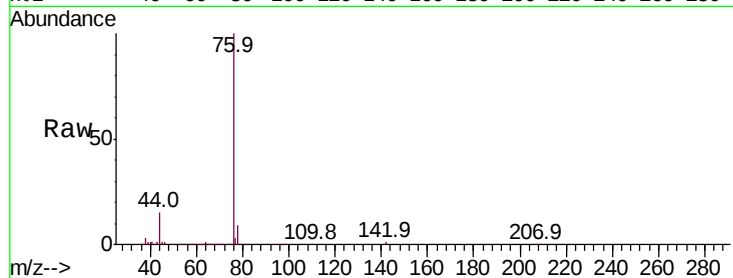
#17  
Carbon Disulfide  
Concen: 8.128 ug/l  
RT: 2.56 min Scan# 274  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC010

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

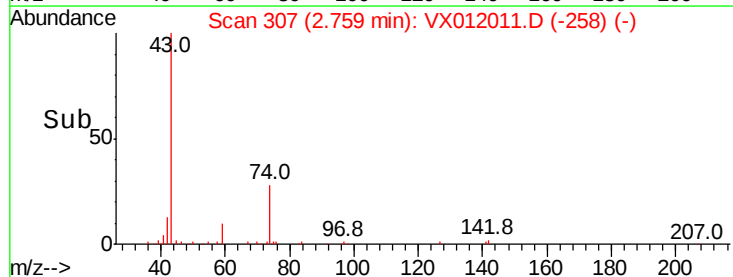
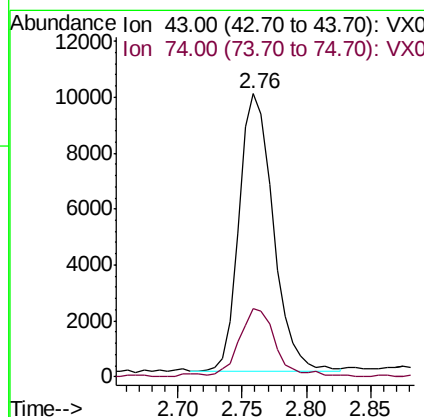
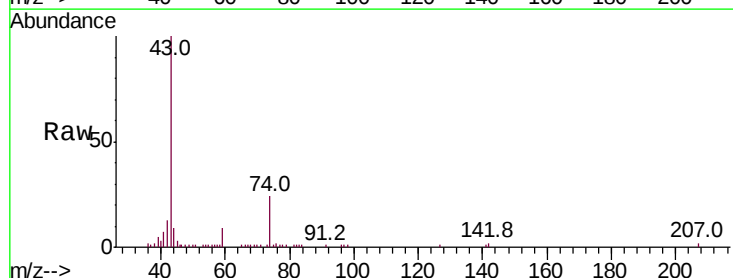
Manual Integrations  
APPROVED

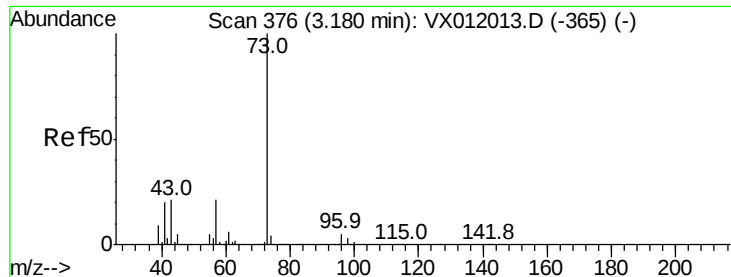
sam  
9/3/2019 2:16:09 PM



#18  
Methyl Acetate  
Concen: 8.076 ug/l  
RT: 2.76 min Scan# 307  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 26.3  | 19.5  | 29.3  |





#19

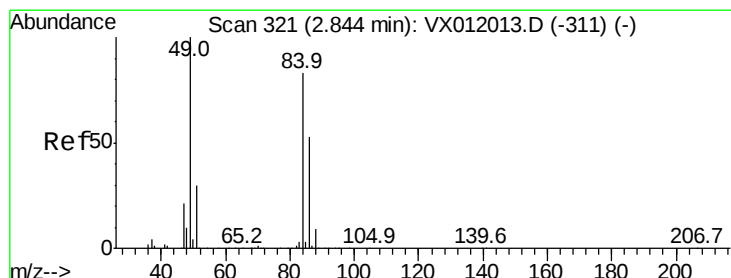
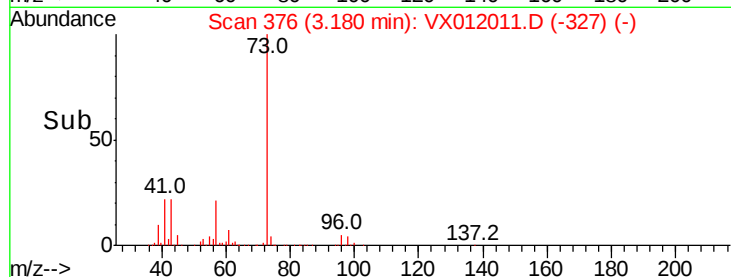
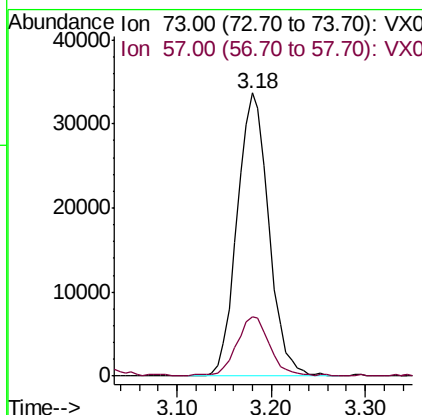
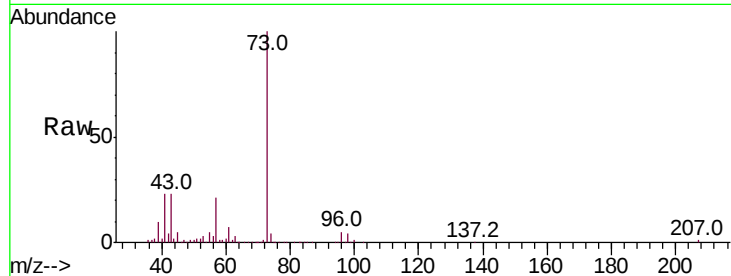
Methyl tert-butyl Ether  
 Concen: 8.693 ug/l  
 RT: 3.18 min Scan# 376  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 20.6  | 16.6  | 25.0  |

Manual Integrations  
 APPROVED

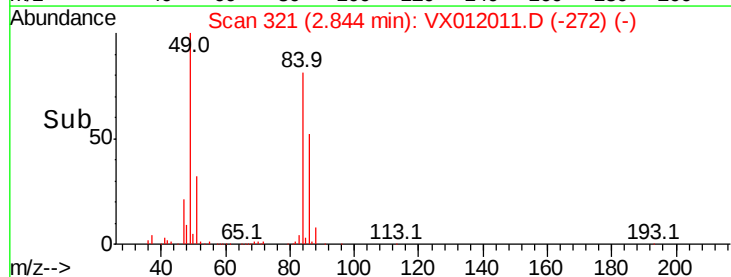
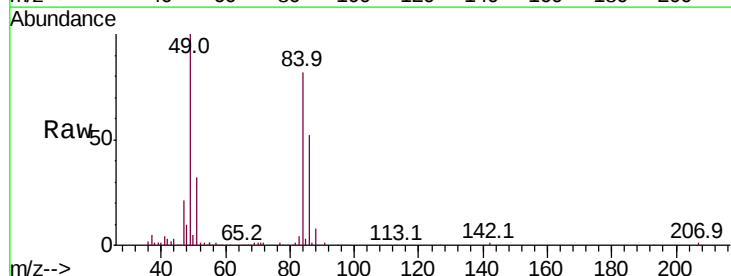
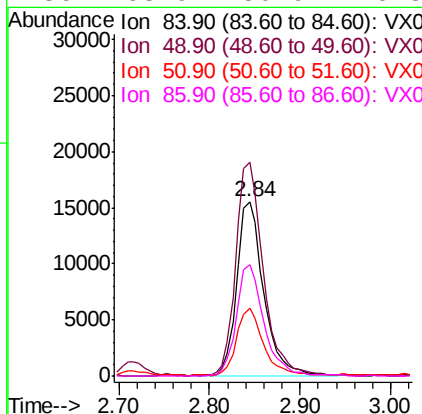
sam  
 9/3/2019 2:16:09 PM

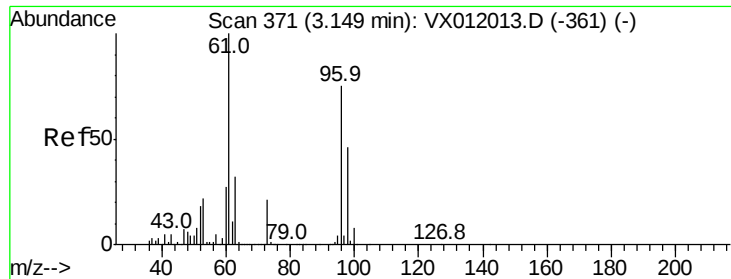


#20

Methylene Chloride  
 Concen: 7.891 ug/l  
 RT: 2.84 min Scan# 321  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 122.6 | 95.8  | 143.8 |
| 51      | 38.6  | 28.6  | 43.0  |
| 86      | 63.9  | 50.9  | 76.3  |





#21

trans-1,2-Dichloroethene

Concen: 9.108 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampled :

VSTDIC010

Tot Ion: 96 Resp: 30467

Ion Ratio Lower Upper

96 100

61 128.3 107.0 160.6

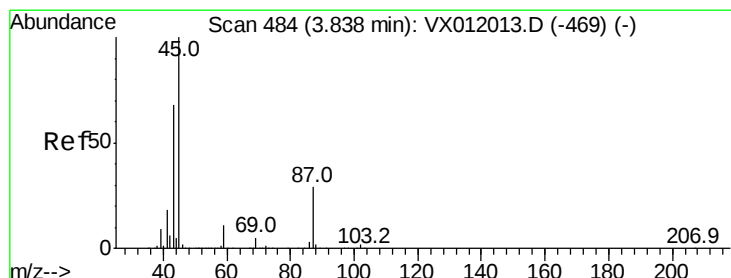
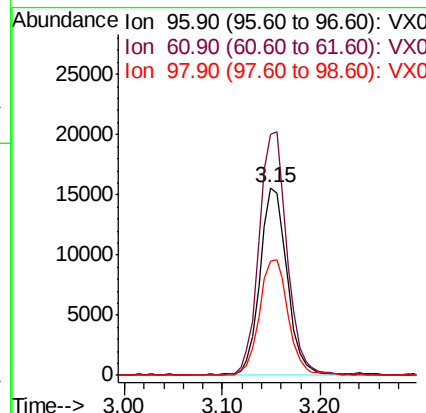
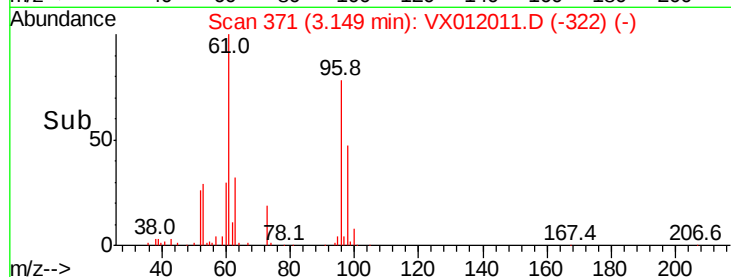
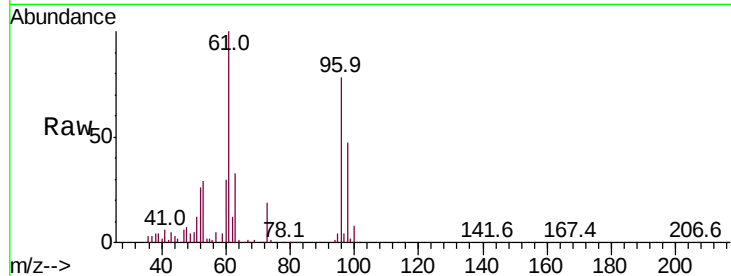
98 60.8 49.8 74.6

Manual Integrations

APPROVED

sam

9/3/2019 2:16:09 PM



#22

Diisopropyl ether

Concen: 8.450 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Tgt Ion: 45 Resp: 90172

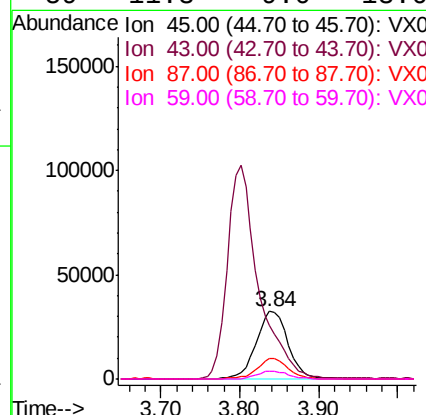
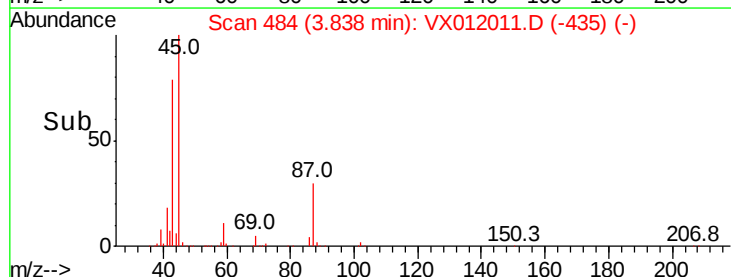
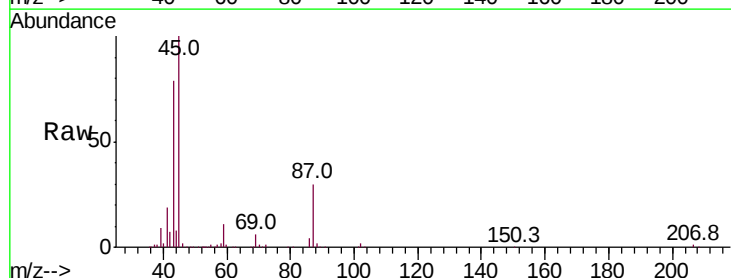
Ion Ratio Lower Upper

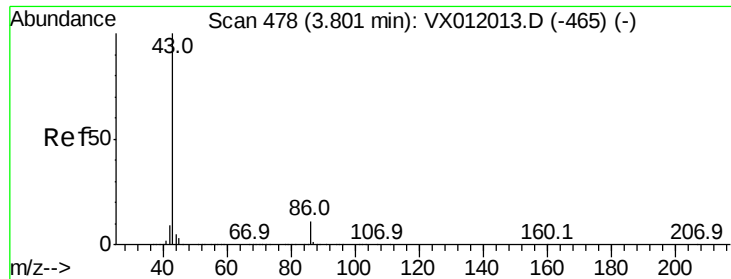
45 100

43 78.8 54.2 81.4

87 30.0 23.4 35.0

59 11.3 9.0 13.6





#23

Vinyl Acetate

Concen: 41.021 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 281025

Ion Ratio Lower Upper

43 100

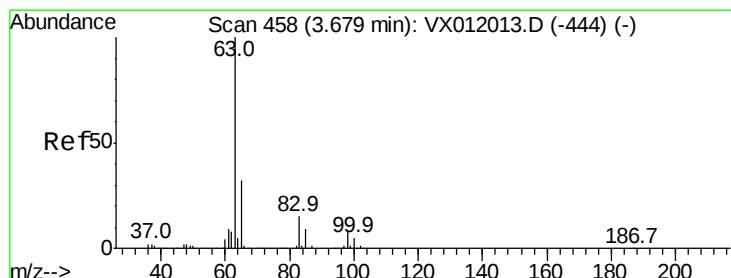
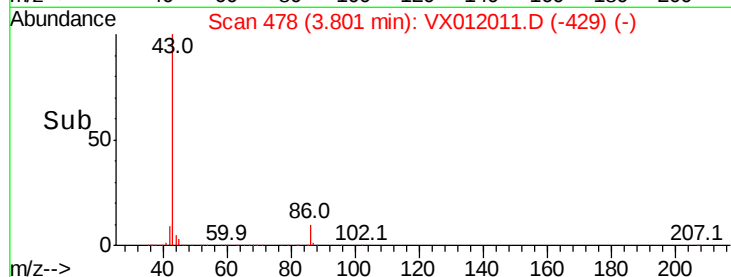
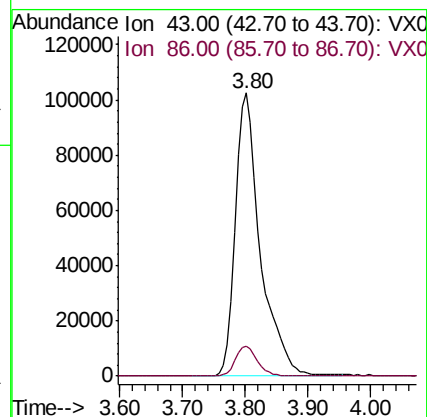
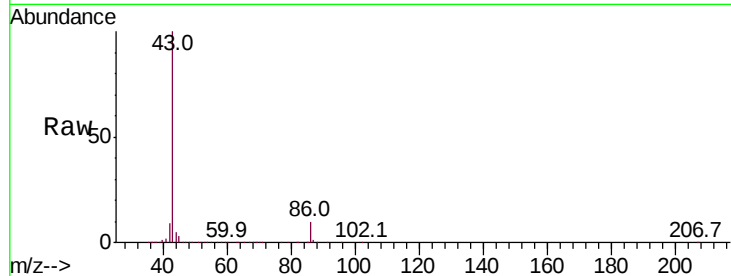
86 10.5 9.0 13.6

Manual Integrations

APPROVED

sam

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#24

1,1-Dichloroethane

Concen: 9.006 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.01 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

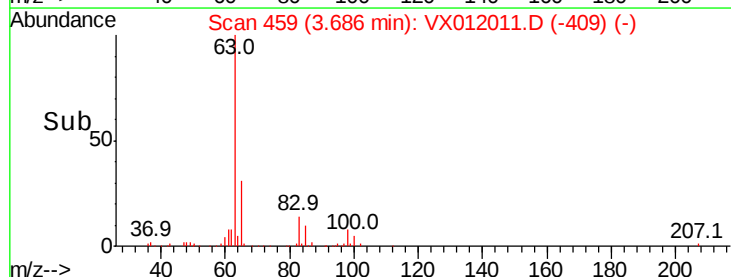
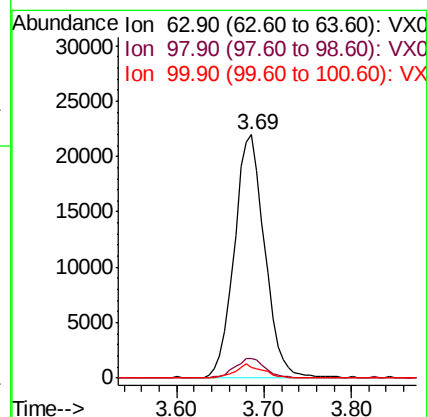
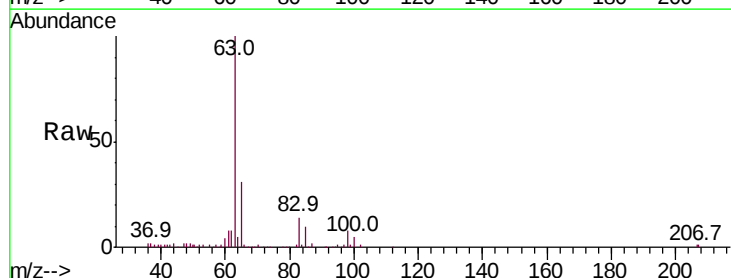
Tgt Ion: 63 Resp: 53388

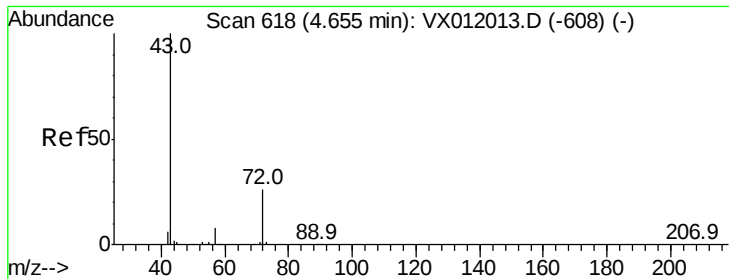
Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.7

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 41.096 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 48766

Ion Ratio Lower Upper

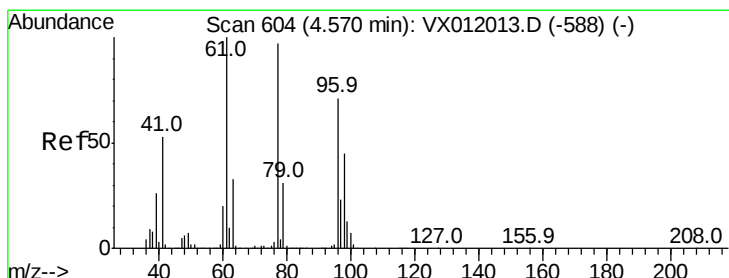
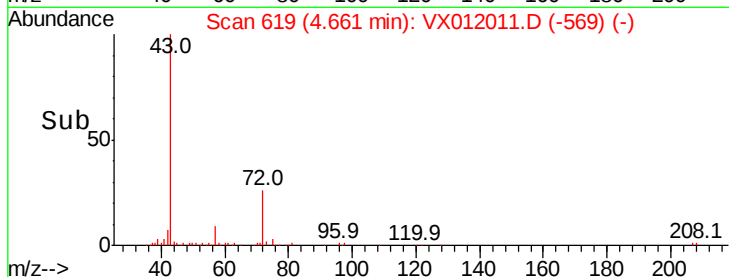
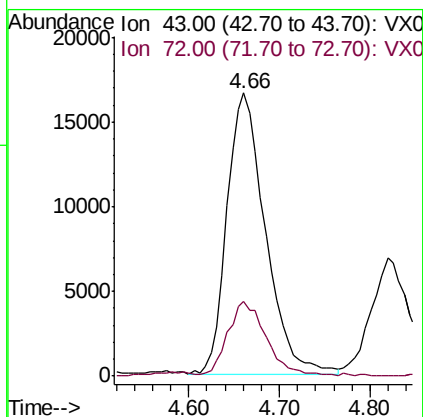
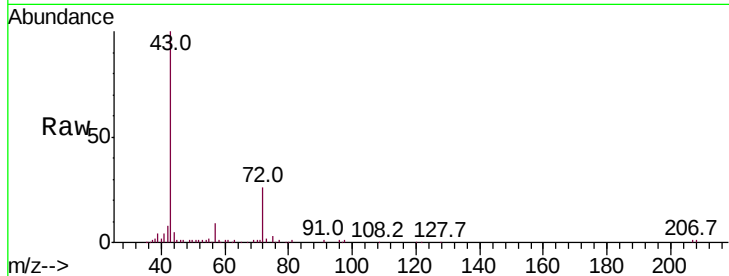
43 100

72 26.3 21.3 31.9

Manual Integrations  
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#26

2,2-Dichloropropane

Concen: 10.069 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012011.D

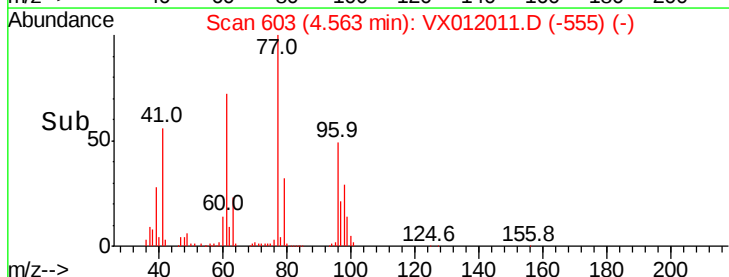
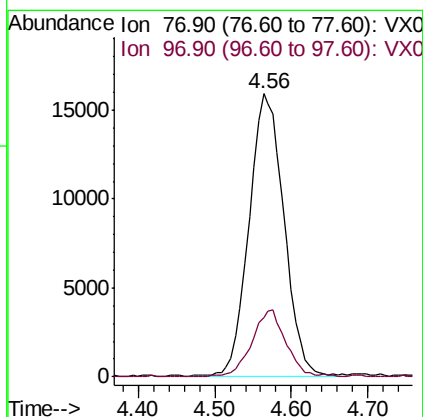
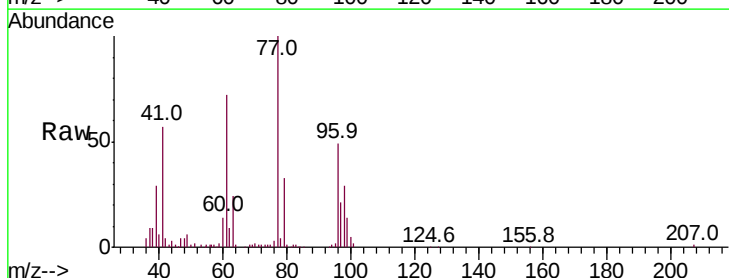
Acq: 02 Sep 2019 12:54

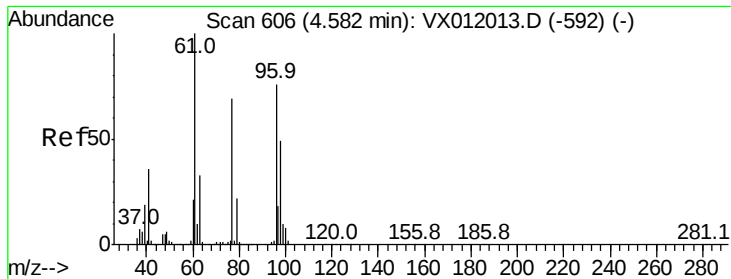
Tgt Ion: 77 Resp: 50861

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.5





#27

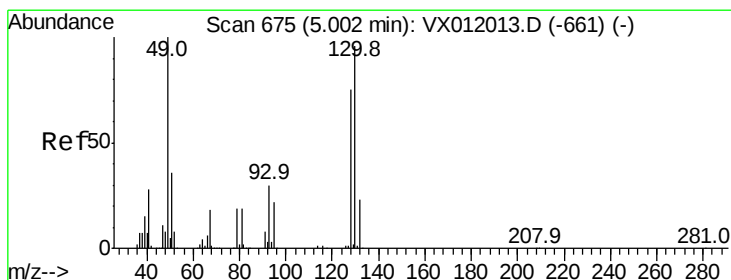
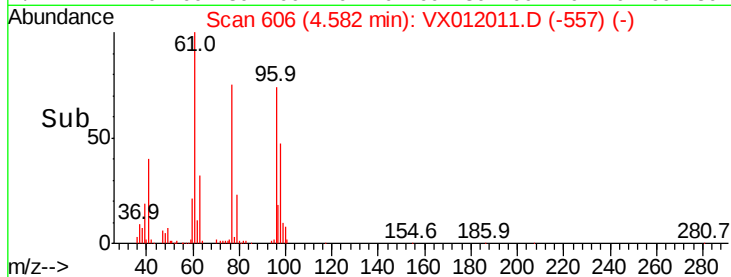
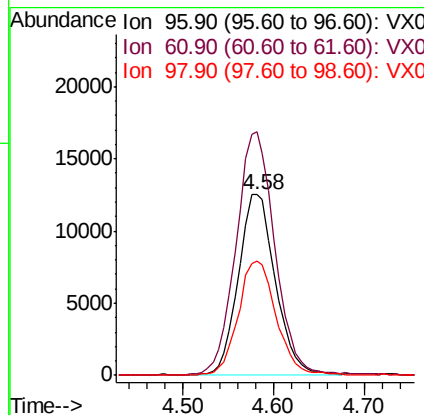
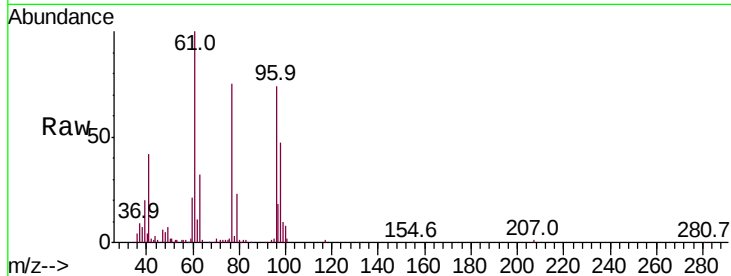
cis-1,2-Dichloroethene  
Concen: 9.084 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 140.7 | 0.0   | 277.0 |
| 98      | 64.6  | 0.0   | 128.4 |

Manual Integrations  
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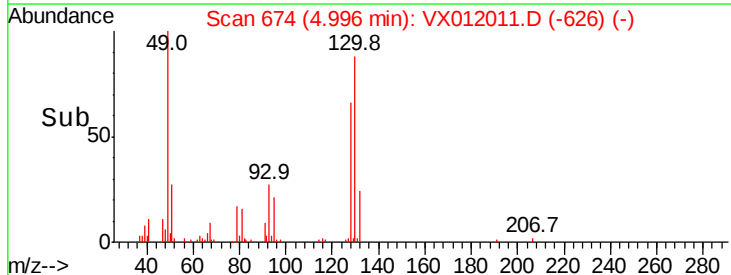
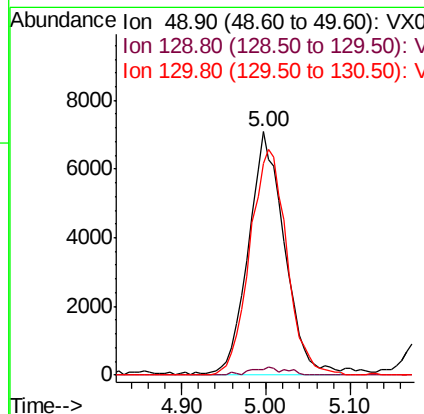
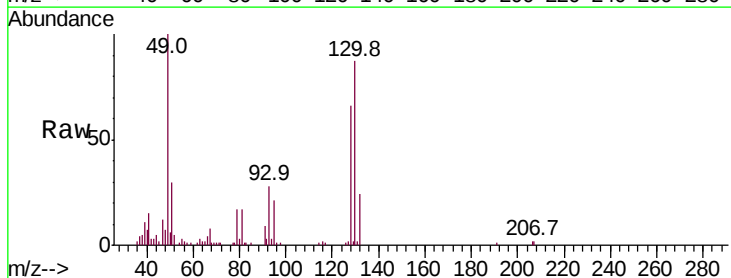
sam  
9/3/2019 2:16:09 PM

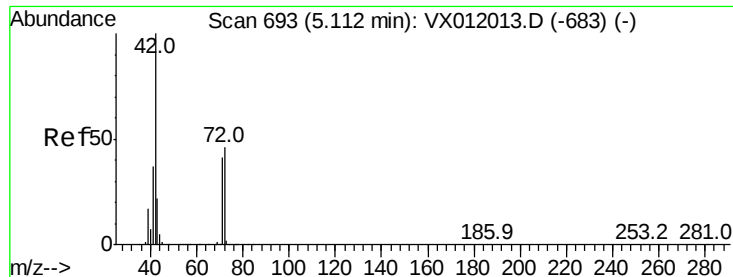


#28

Bromochloromethane  
Concen: 7.923 ug/l  
RT: 5.00 min Scan# 674  
Delta R.T. -0.01 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.9   | 0.0   | 5.6   |
| 130     | 95.1  | 76.7  | 115.1 |





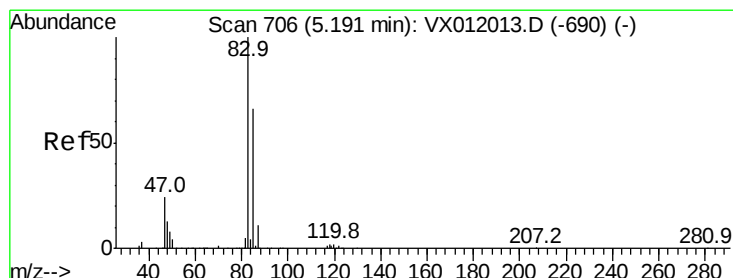
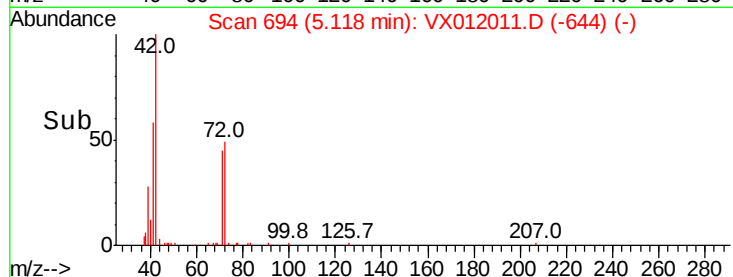
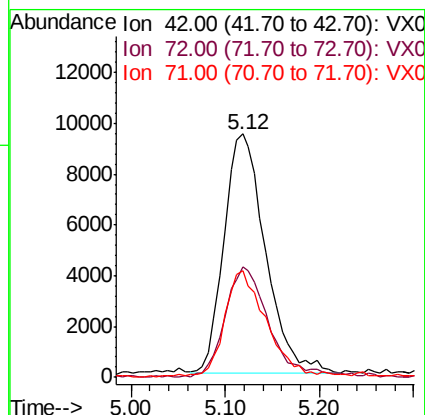
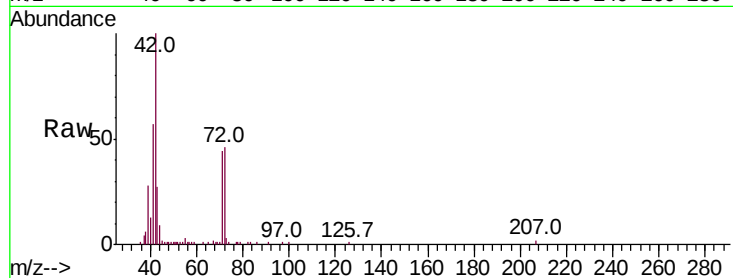
#29  
Tetrahydrofuran  
Concen: 38.813 ug/l  
RT: 5.12 min Scan# 694  
Delta R.T. 0.01 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 49.4  | 37.0  | 55.4  |
| 71      | 43.1  | 33.8  | 50.8  |

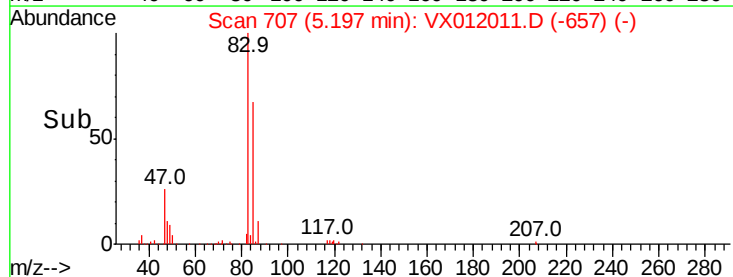
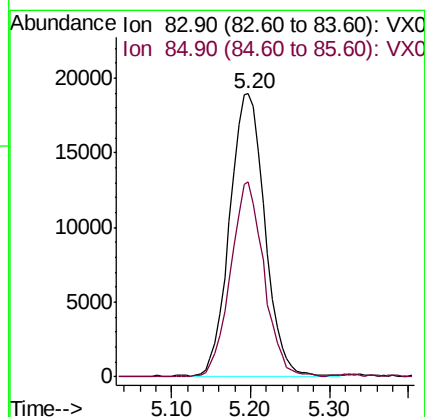
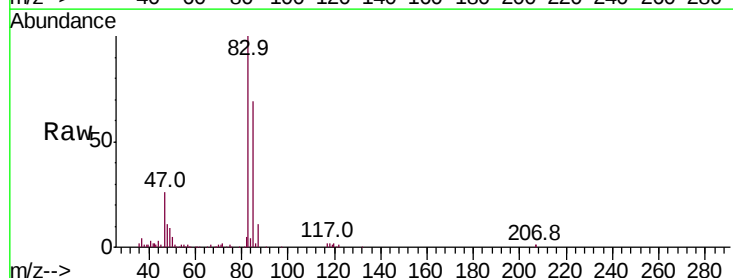
Manual Integrations  
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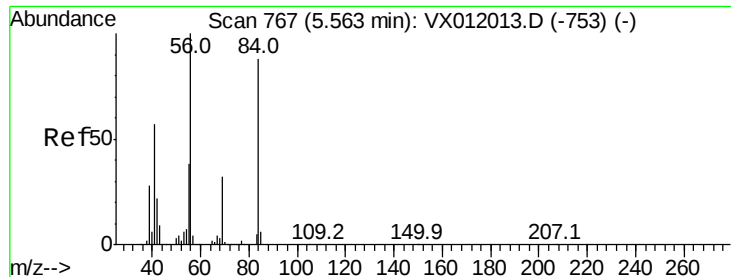
sam  
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#30  
Chloroform  
Concen: 9.154 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. 0.01 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 69.4  | 52.6  | 78.8  |





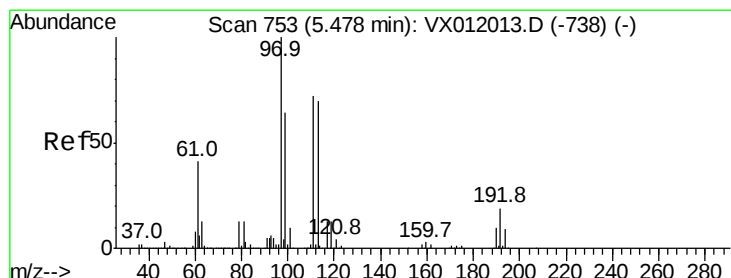
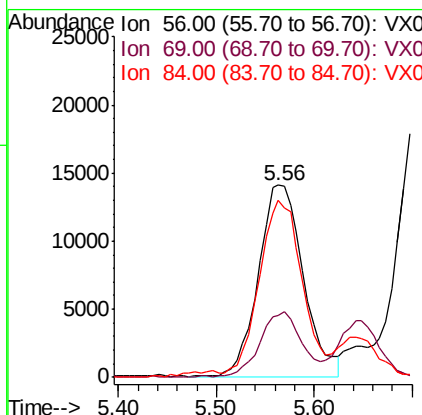
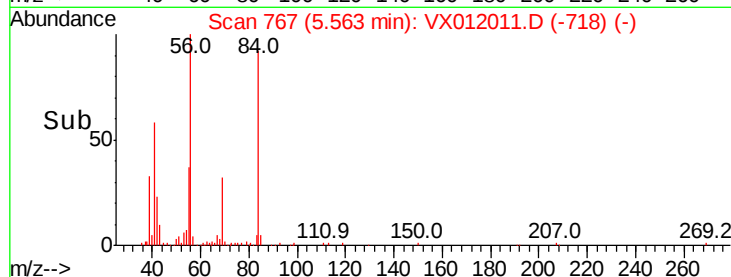
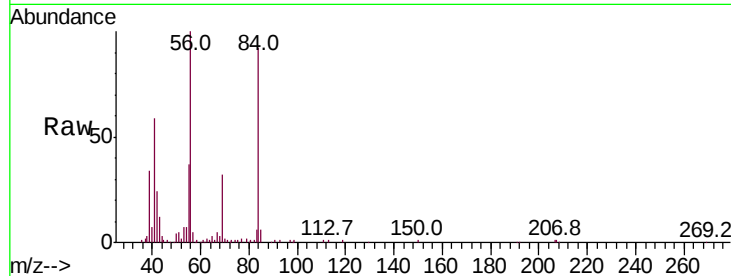
#31  
Cyclohexane  
Concen: 9.247 ug/l  
RT: 5.56 min Scan# 767  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.2  | 25.7  | 38.5  |
| 84      | 90.7  | 70.3  | 105.5 |

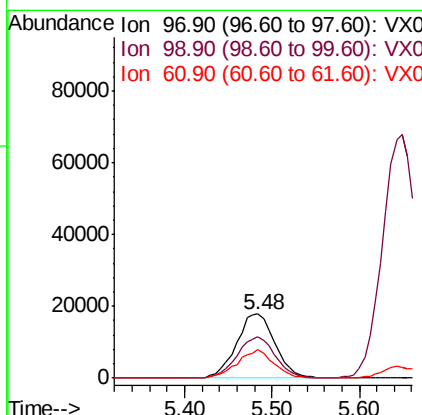
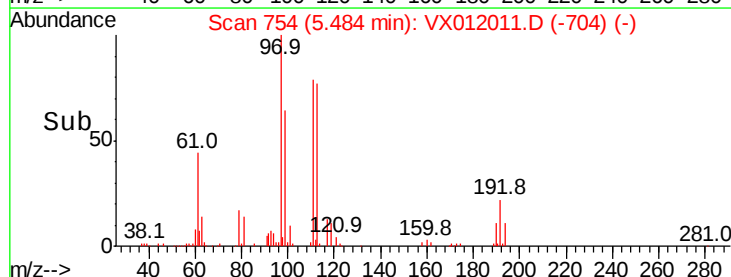
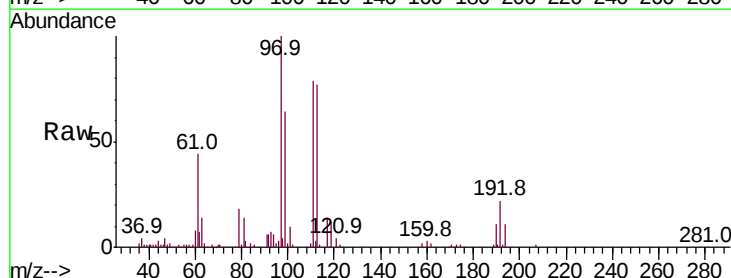
Manual Integrations  
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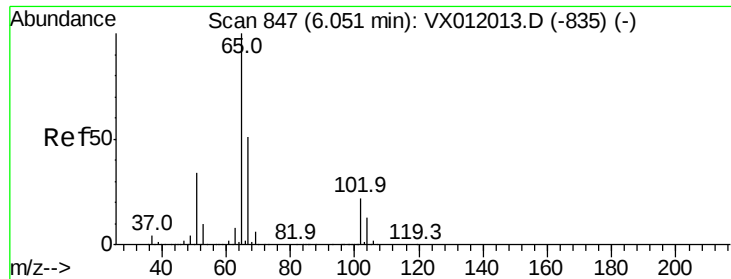
sam  
9/3/2019 2:16:09 PM



#32  
1,1,1-Trichloroethane  
Concen: 9.620 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. 0.01 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.9  | 52.1  | 78.1  |
| 61      | 41.4  | 32.8  | 49.2  |





#33

1,2-Dichloroethane-d4

Concen: 10.207 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 39721

Ion Ratio Lower Upper

65 100

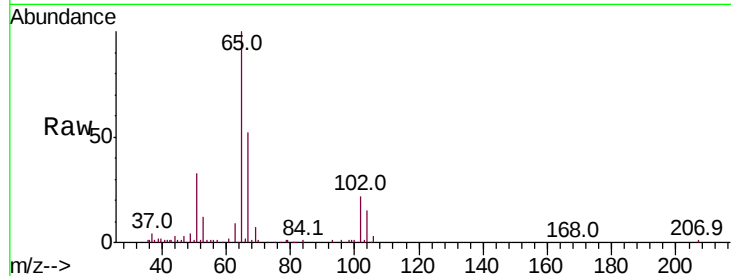
67 50.4 0.0 102.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

15000

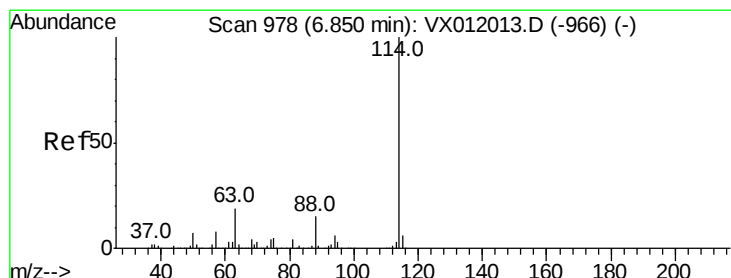
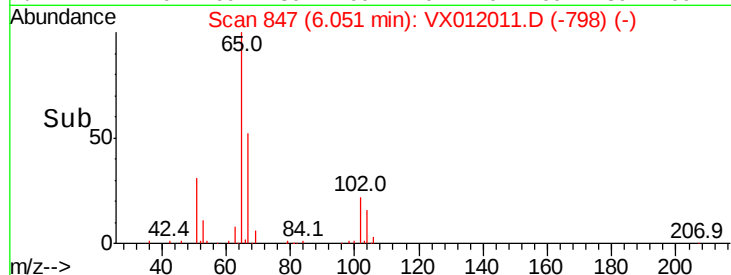
10000

5000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

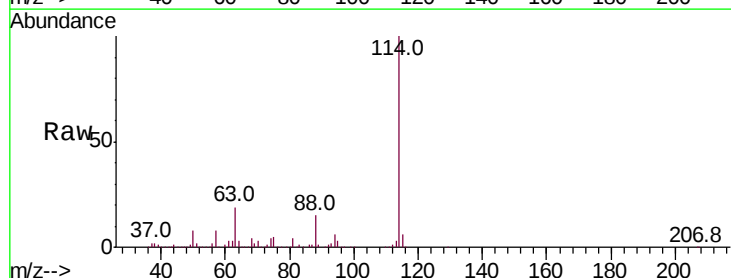
Tgt Ion: 114 Resp: 537945

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 15.4 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

300000

250000

200000

150000

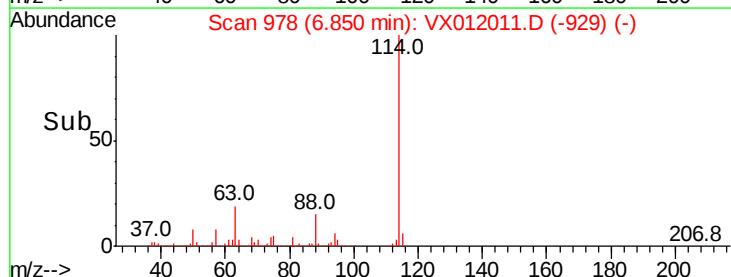
100000

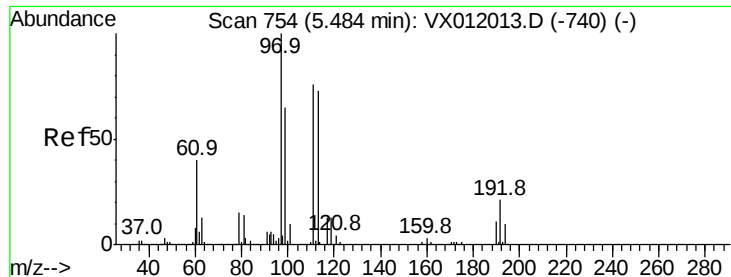
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 11.473 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

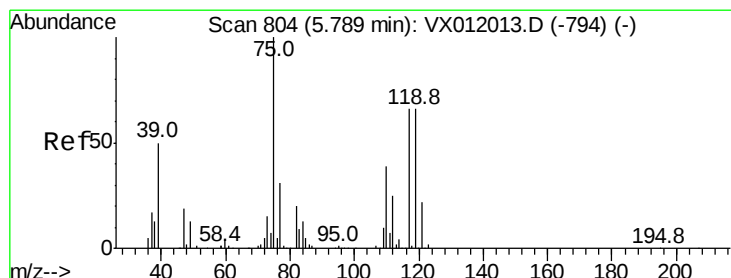
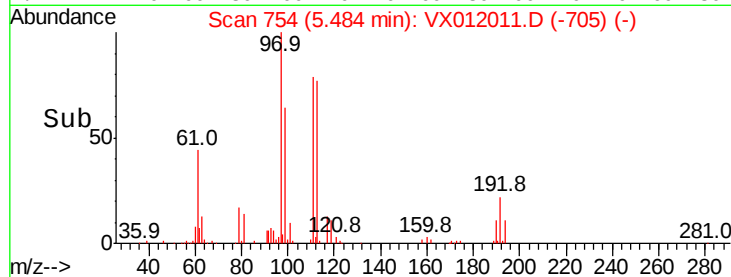
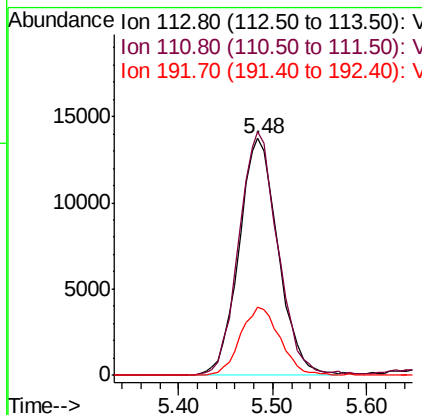
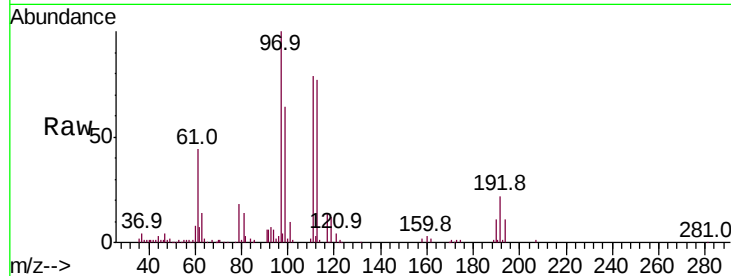
VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 39851 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.5 | 81.7  | 122.5 |
| 192      | 29.2  | 22.5  | 33.7  |

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#36

1,1-Dichloropropene

Concen: 9.454 ug/l

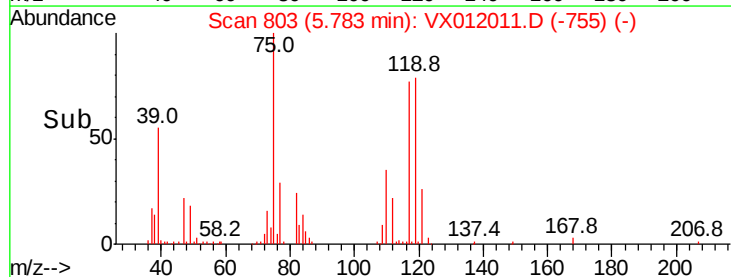
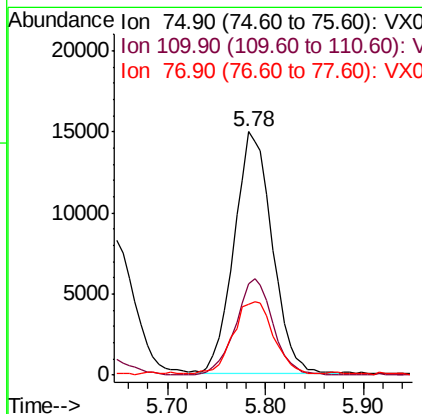
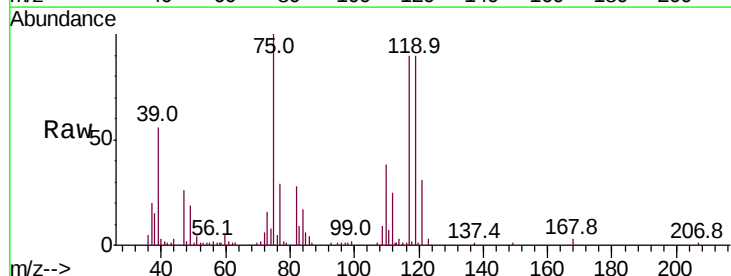
RT: 5.78 min Scan# 803

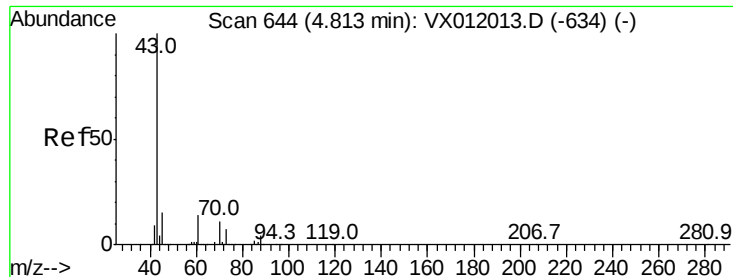
Delta R.T. -0.01 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 40256 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 39.4  | 19.5  | 58.5  |
| 77       | 31.3  | 24.6  | 37.0  |





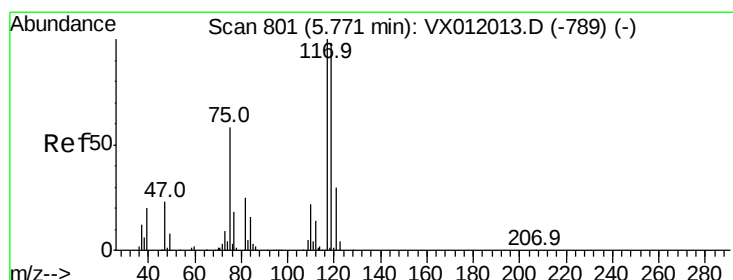
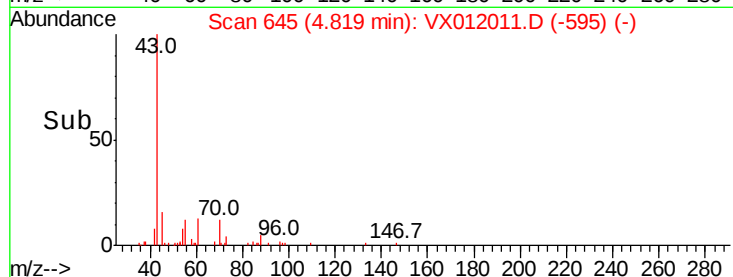
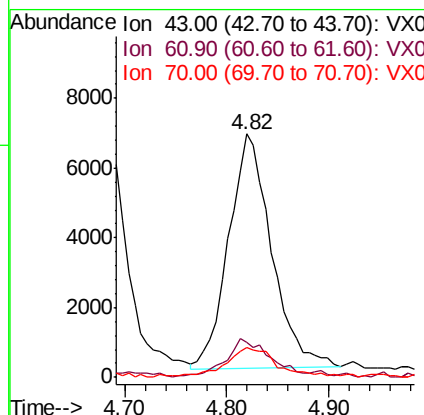
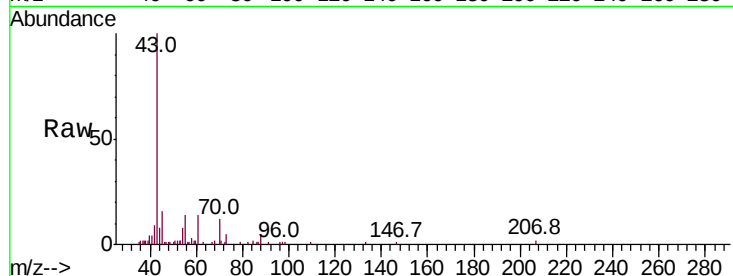
#37  
Ethyl Acetate  
Concen: 8.028 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.01 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.2  | 10.9  | 16.3# |
| 70      | 15.6  | 9.4   | 14.0# |

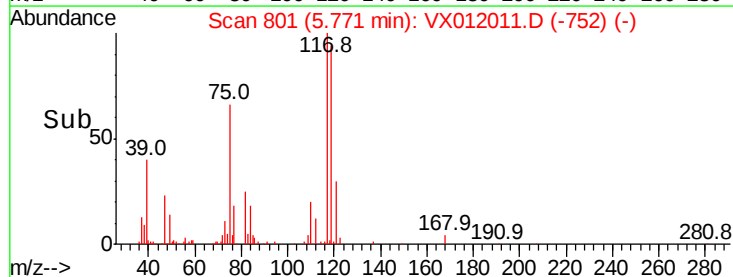
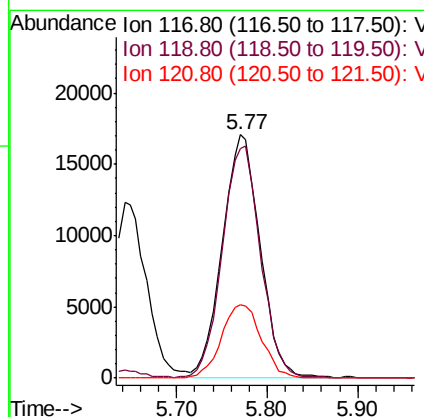
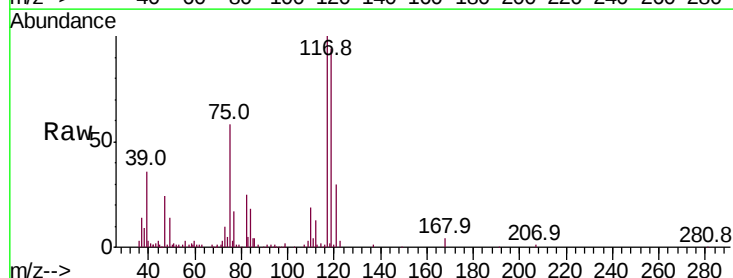
Manual Integrations  
APPROVED

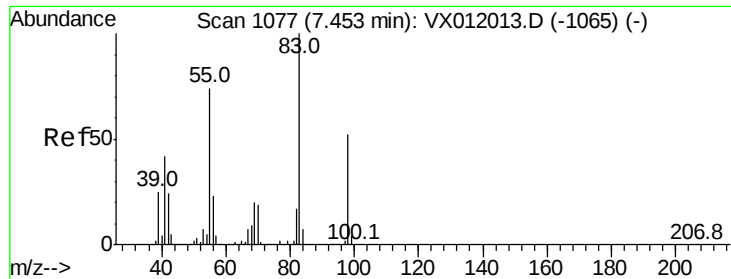
sam  
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#38  
Carbon Tetrachloride  
Concen: 9.981 ug/l  
RT: 5.77 min Scan# 801  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.7  | 78.3  | 117.5 |
| 121     | 30.3  | 24.2  | 36.2  |





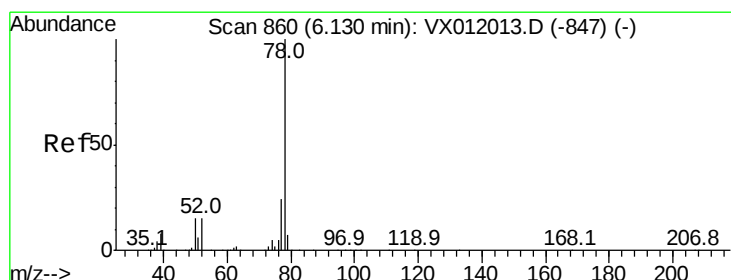
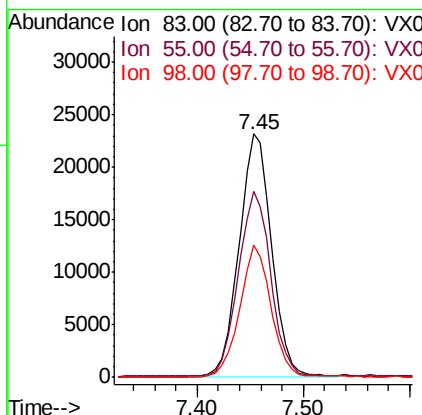
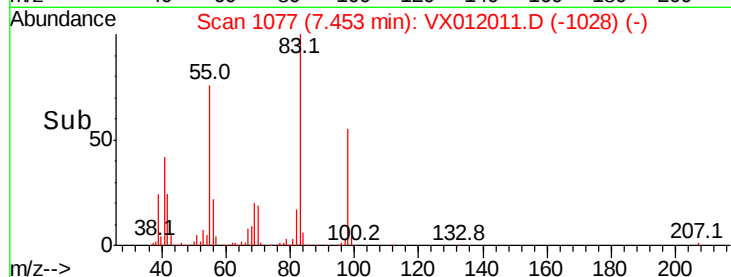
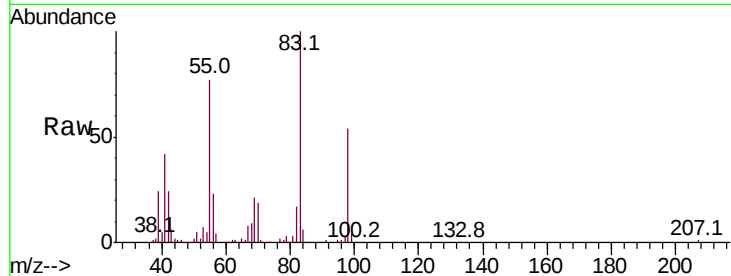
#39  
Methvlcvclohexane  
Concen: 9.792 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion   | 83   | Resp  | 49954 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 76.1 | 59.6  | 89.4  |
| 98        | 54.4 | 41.4  | 62.0  |

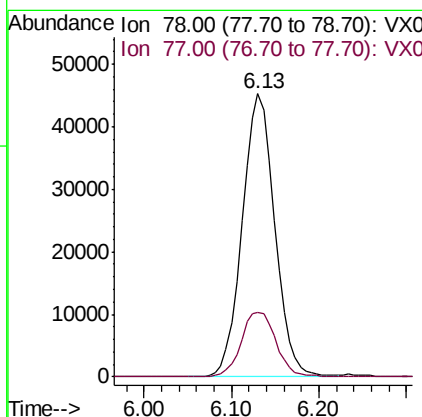
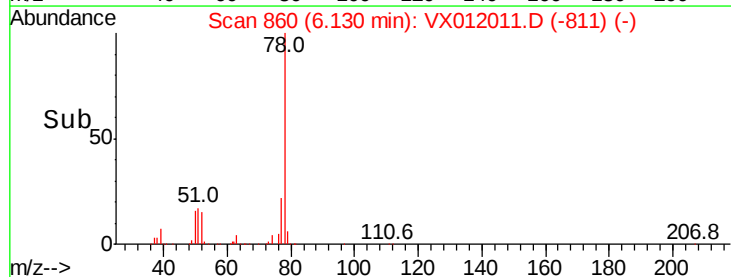
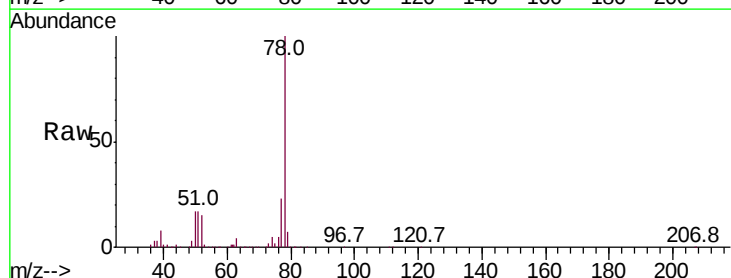
Manual Integrations  
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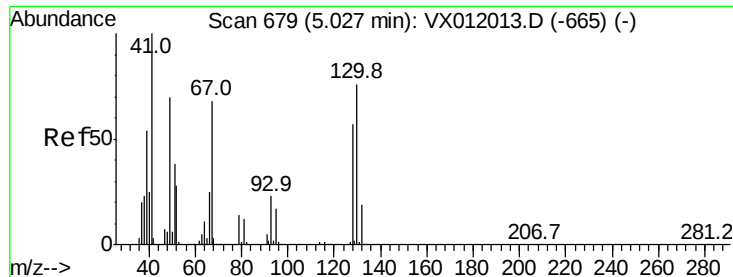
sam  
9/3/2019 2:16:09 PM



#40  
Benzene  
Concen: 9.305 ug/l  
RT: 6.13 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion   | 78   | Resp  | 117110 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 22.8 | 19.3  | 28.9   |





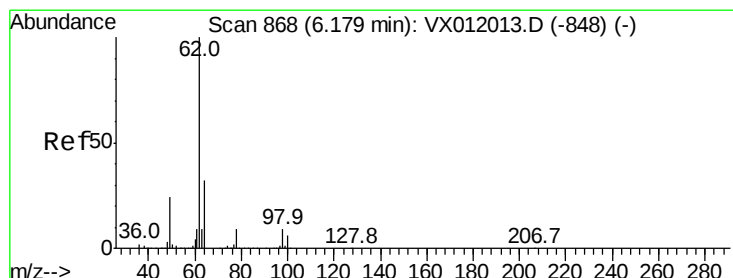
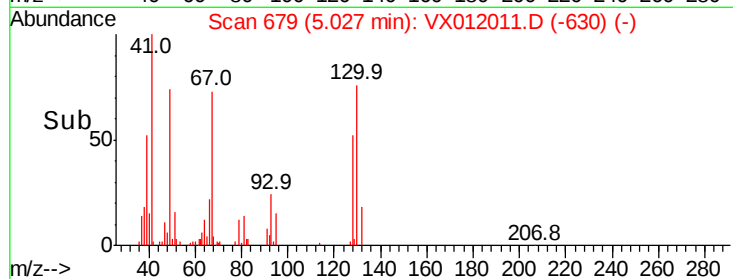
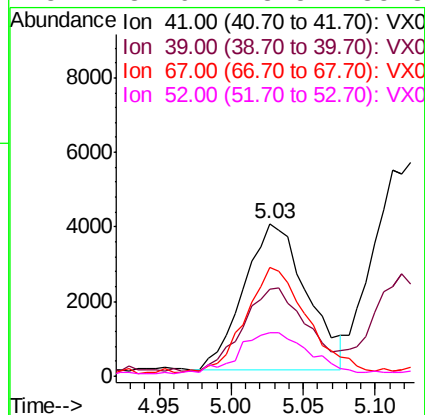
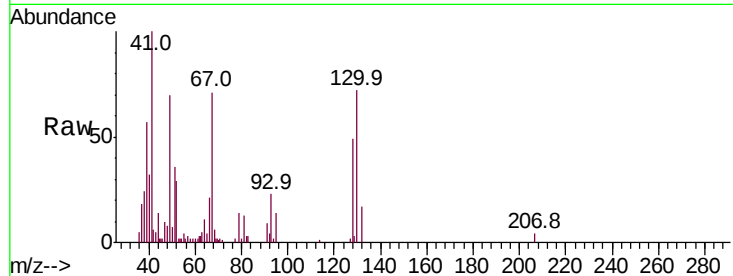
#41  
Methacrylonitrile  
Concen: 8.230 ug/l  
RT: 5.03 min Scan# 679  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC010

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 58.1 | 46.7  | 70.1  |       |
| 67      | 73.3 | 57.0  | 85.6  |       |
| 52      | 31.6 | 23.5  | 35.3  |       |

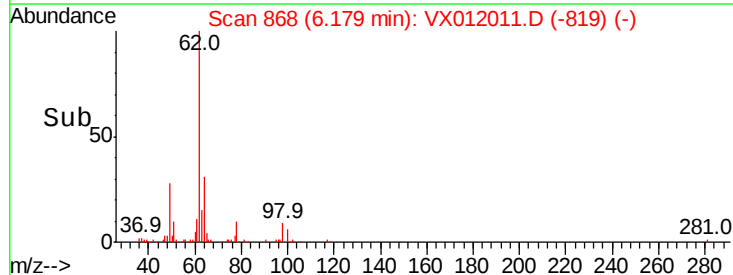
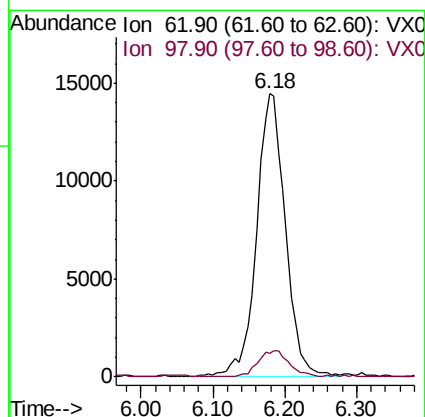
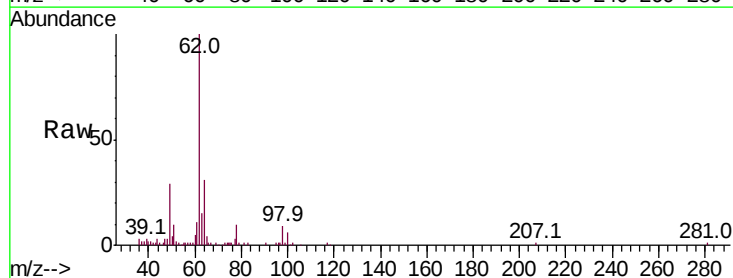
Manual Integrations  
APPROVED

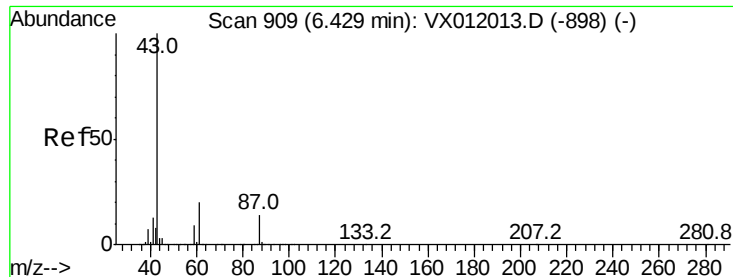
sam  
9/3/2019 2:16:09 PM



#42  
1,2-Dichloroethane  
Concen: 9.411 ug/l  
RT: 6.18 min Scan# 868  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.0 | 0.0   | 19.2  |       |





#43

Isopropyl Acetate

Concen: 8.403 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

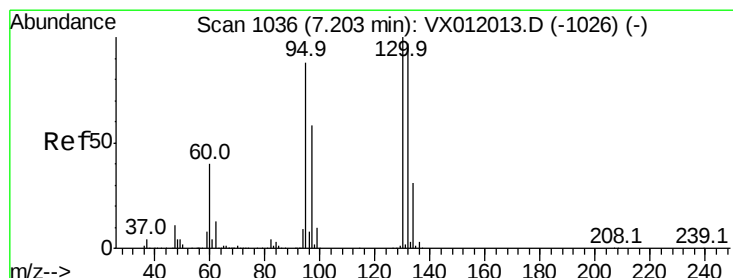
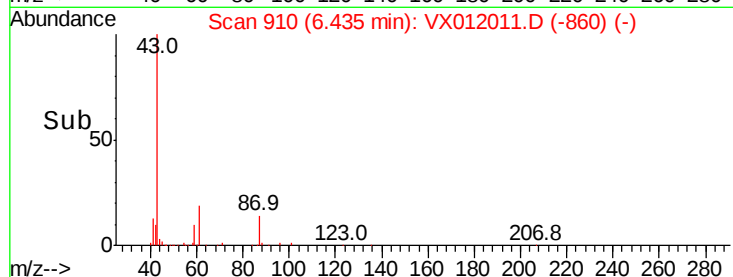
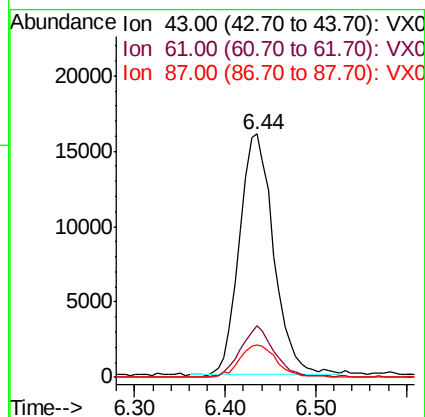
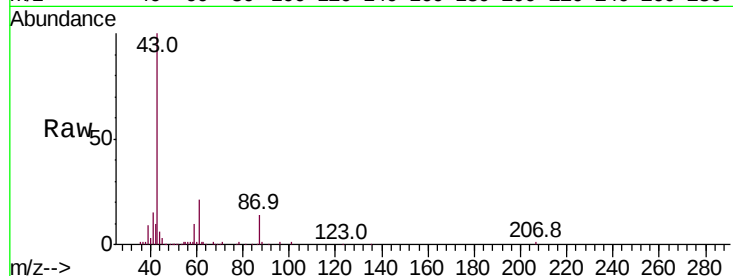
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 41891 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 20.8  | 16.1  | 24.1  |
| 87       | 14.6  | 11.3  | 16.9  |

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#44

Trichloroethene

Concen: 9.861 ug/l

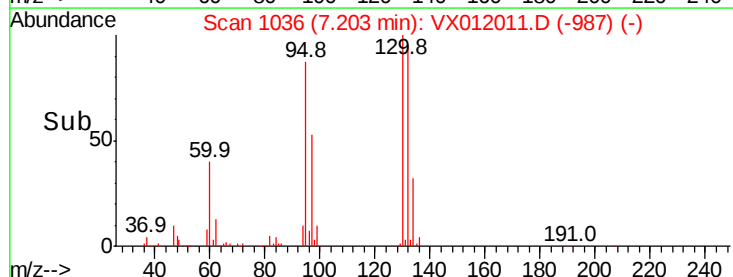
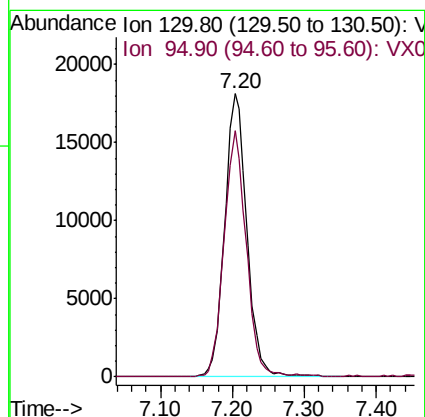
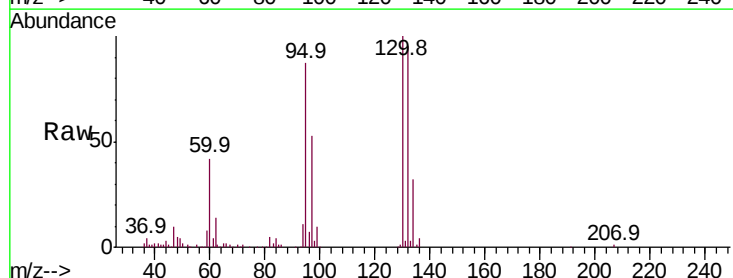
RT: 7.20 min Scan# 1036

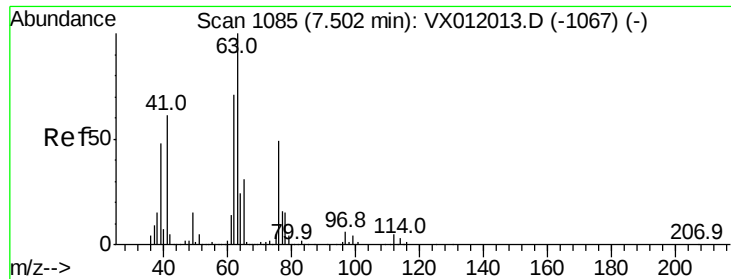
Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 38924 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 87.2  | 0.0   | 176.4 |





#45

1,2-Dichloropropane

Concen: 8.982 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 29406

Ion Ratio Lower Upper

63 100

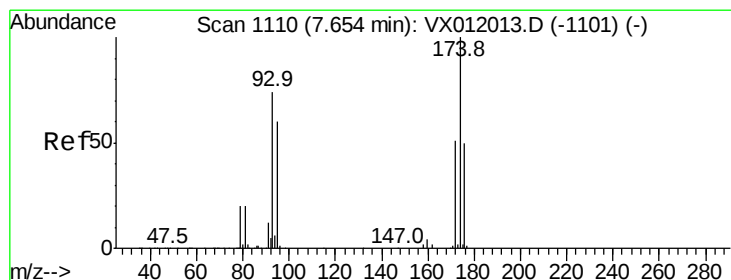
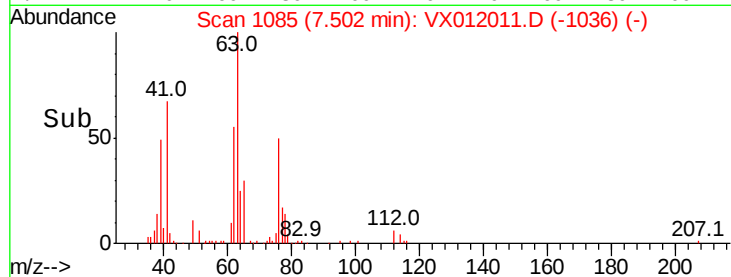
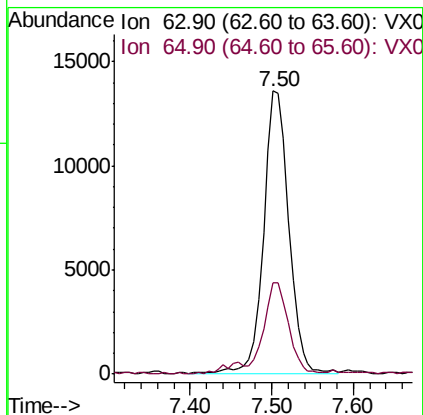
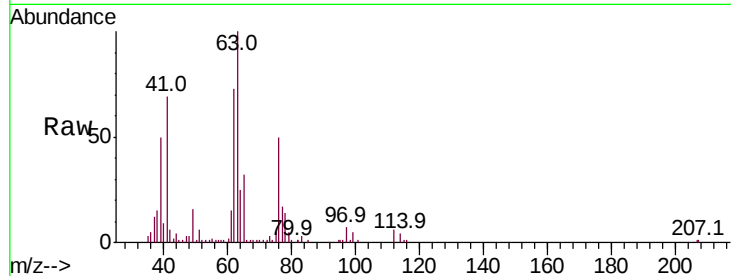
65 32.5 25.0 37.6

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#46

Dibromomethane

Concen: 8.861 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

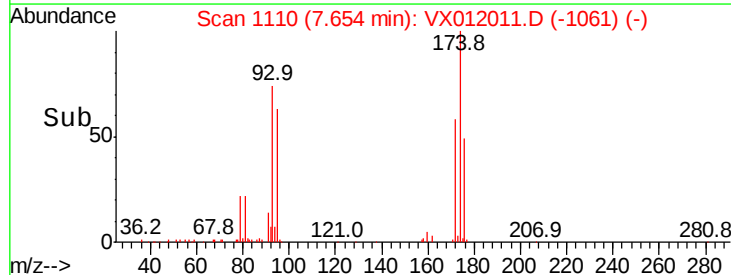
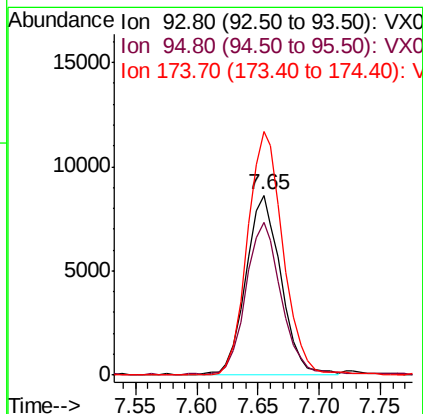
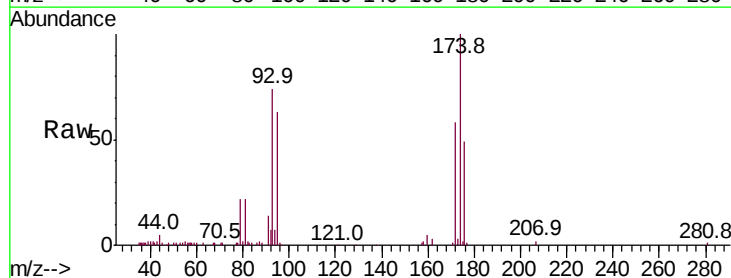
Tgt Ion: 93 Resp: 17293

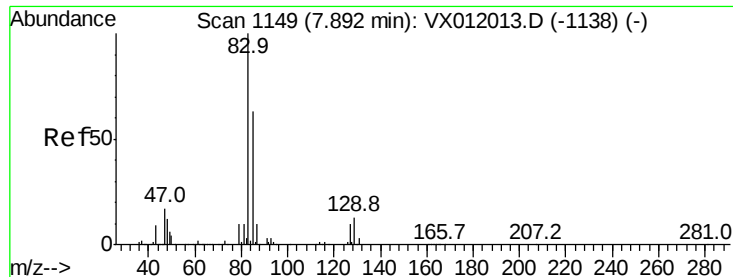
Ion Ratio Lower Upper

93 100

95 86.3 66.2 99.2

174 136.7 110.2 165.4





#47

Bromodichloromethane

Concen: 9.232 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

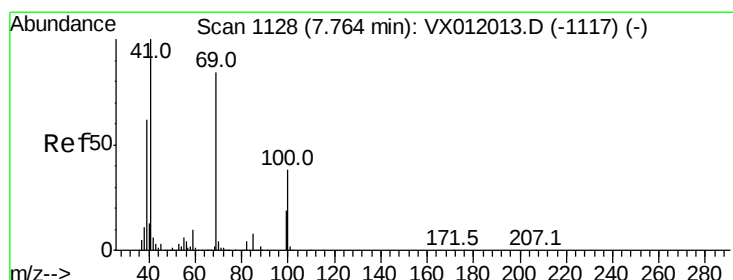
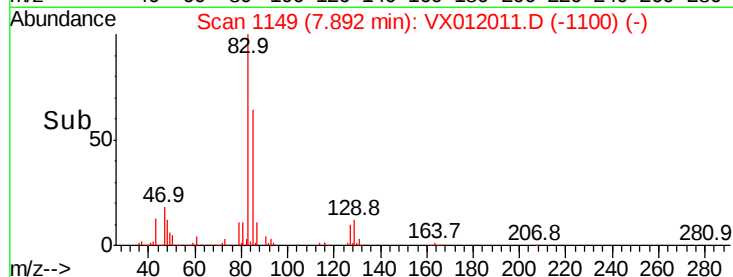
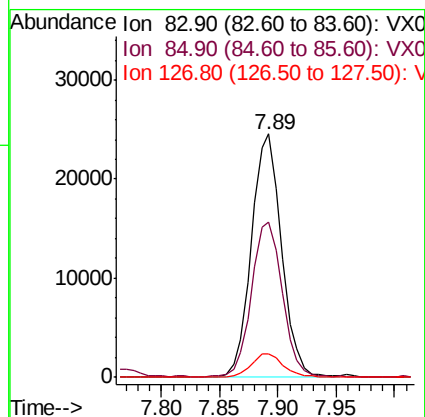
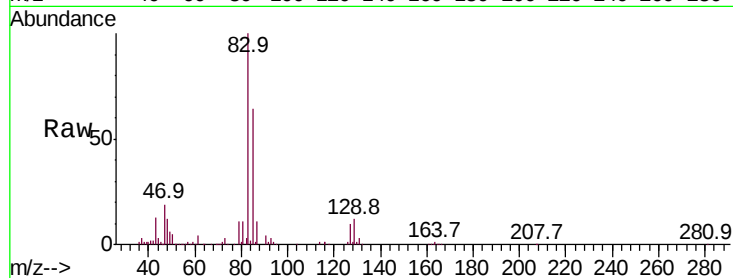
VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 44603 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.8  | 50.3  | 75.5  |
| 127      | 9.6   | 8.1   | 12.1  |

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#48

Methyl methacrylate

Concen: 8.440 ug/l

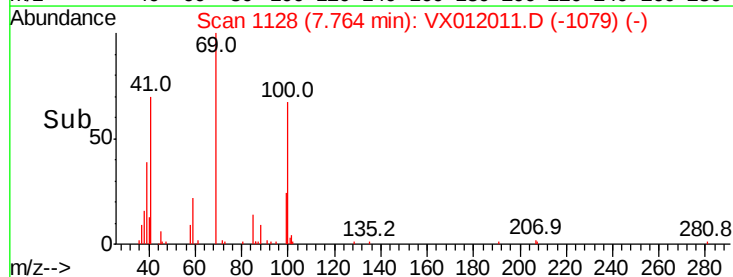
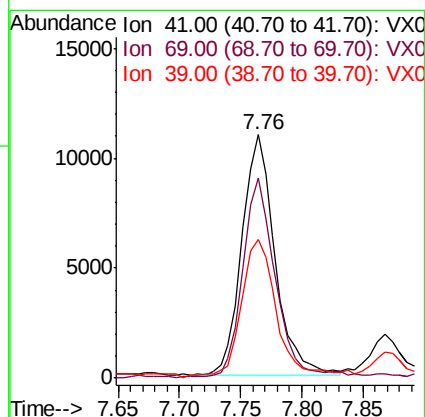
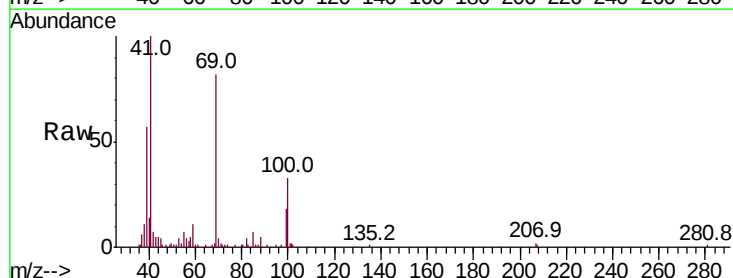
RT: 7.76 min Scan# 1128

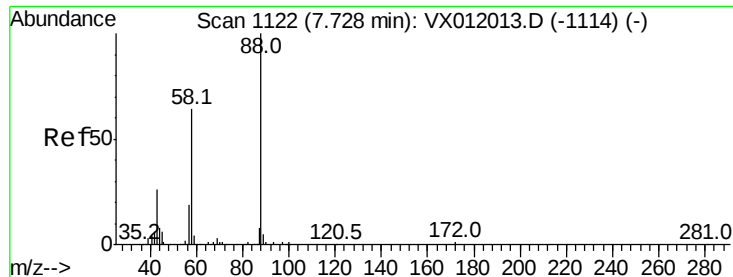
Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 20472 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 84.1  | 66.3  | 99.5  |
| 39       | 62.6  | 48.1  | 72.1  |





#49

1,4-Dioxane

Concen: 180.817 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

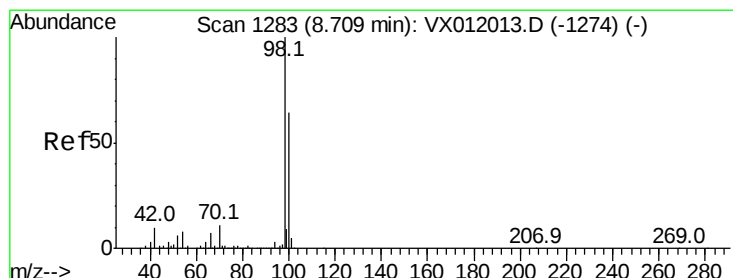
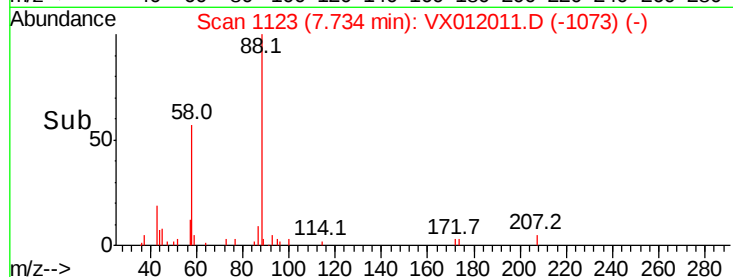
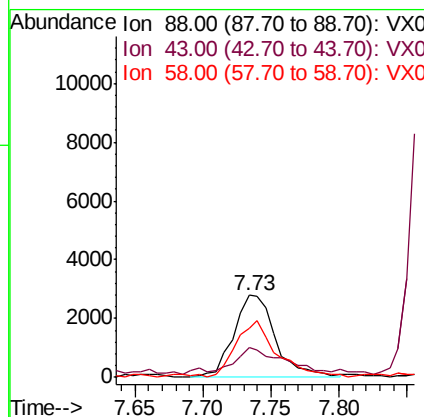
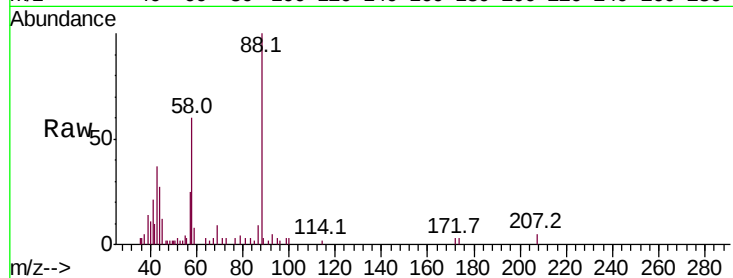
VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 5999  |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 29.5  | 29.8  | 44.6# |
| 58       | 67.3  | 55.4  | 83.2  |

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#50

Toluene-d8

Concen: 10.481 ug/l

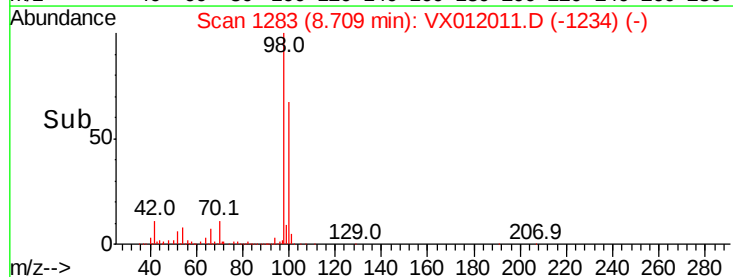
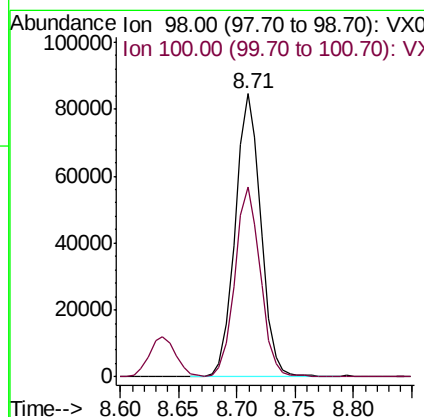
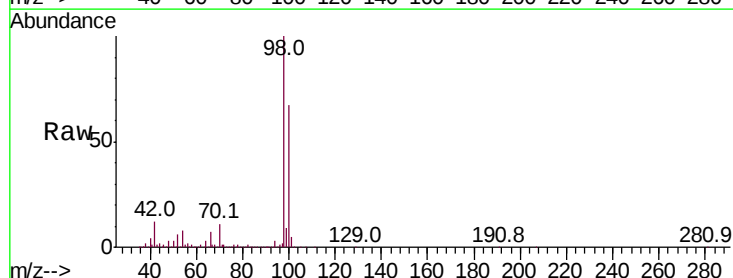
RT: 8.71 min Scan# 1283

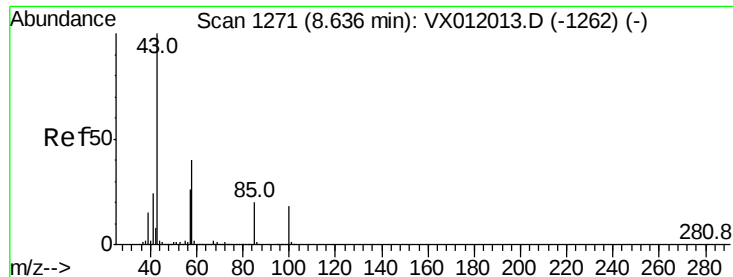
Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 130153 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 66.1  | 53.3  | 79.9   |





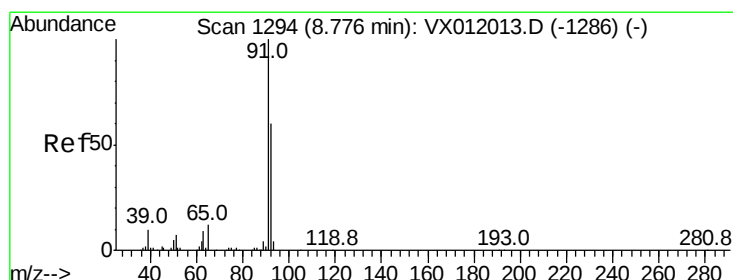
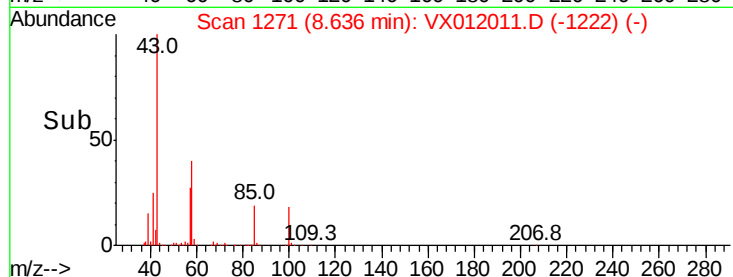
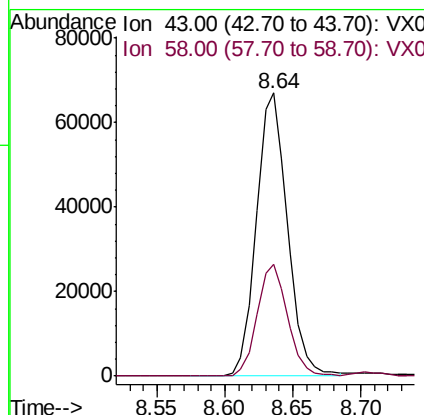
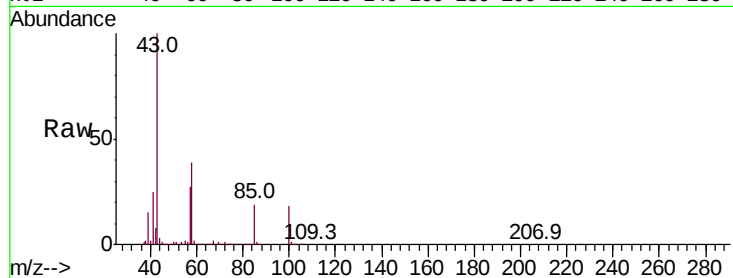
#51  
4-Methyl-2-Pentanone  
Concen: 42.181 ug/l  
RT: 8.64 min Scan# 1271  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 39.1  | 31.5  | 47.3  |

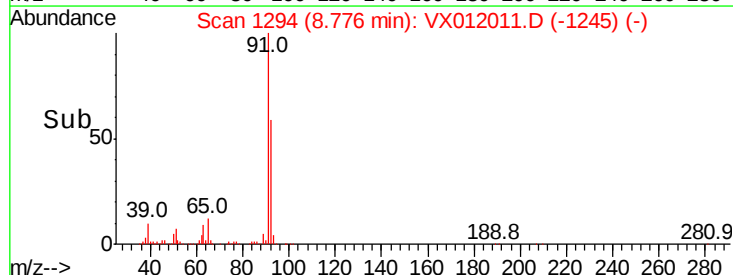
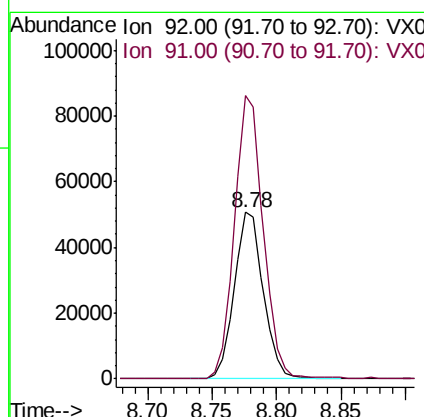
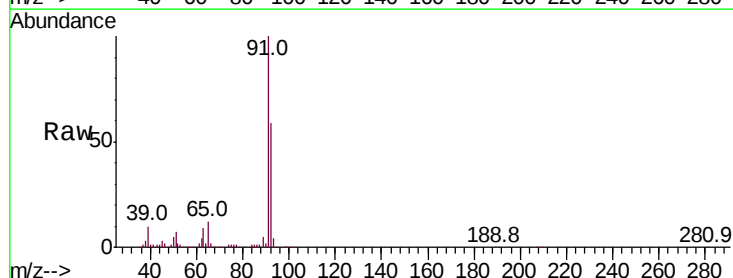
Manual Integrations  
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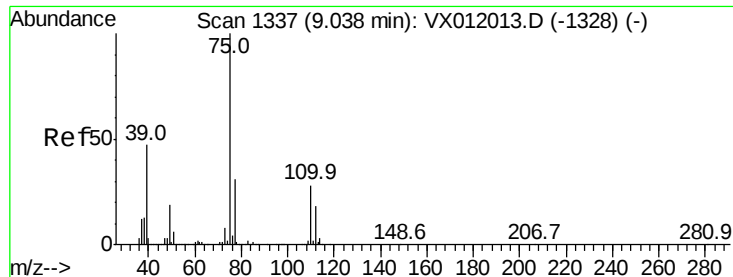
sam  
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#52  
Toluene  
Concen: 9.531 ug/l  
RT: 8.78 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 92      | 100   |       |       |
| 91      | 169.2 | 136.0 | 204.0 |





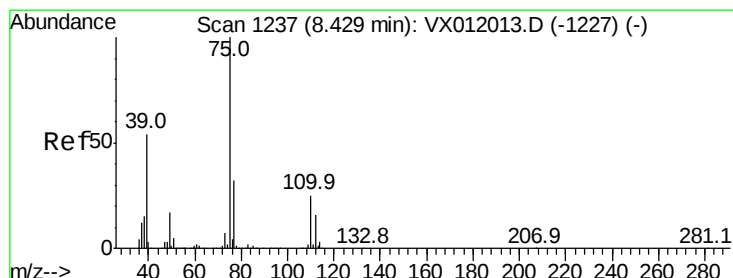
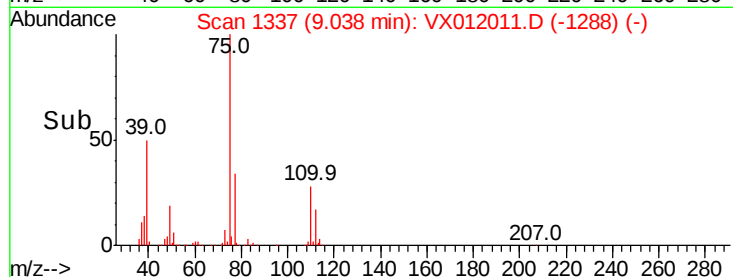
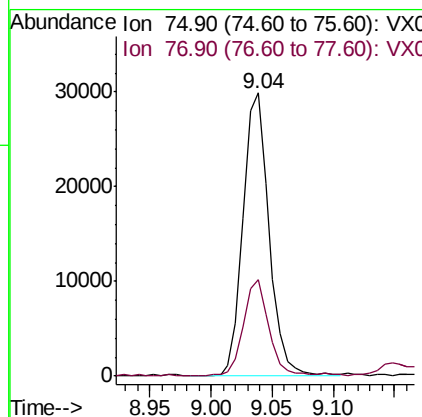
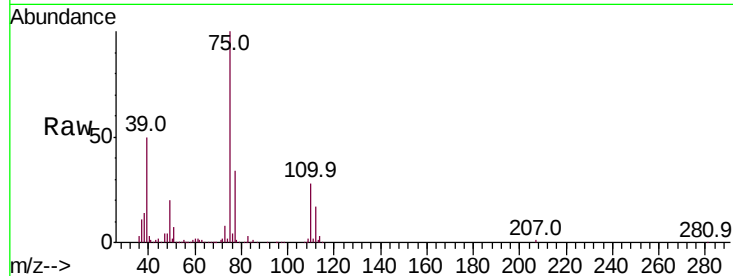
#53  
t-1,3-Dichloropropene  
Concen: 8.952 ug/l  
RT: 9.04 min Scan# 1337  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

Tot Ion: 75 Resp: 44290  
Ion Ratio Lower Upper  
75 100  
77 33.7 25.1 37.7

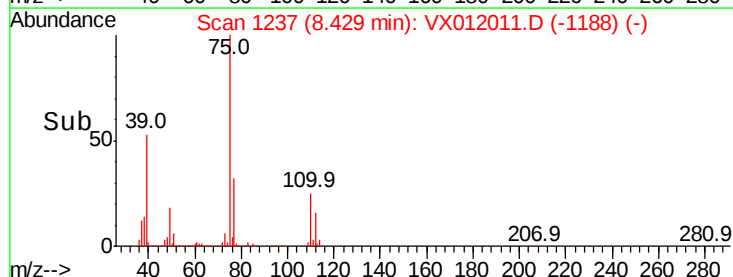
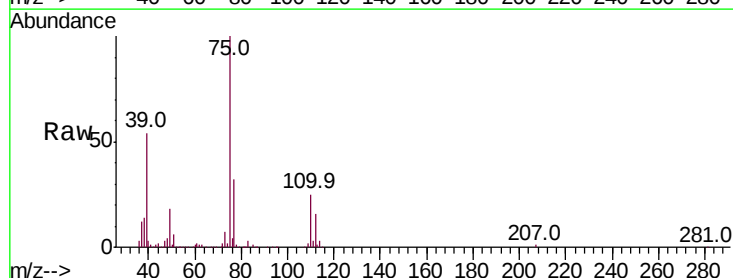
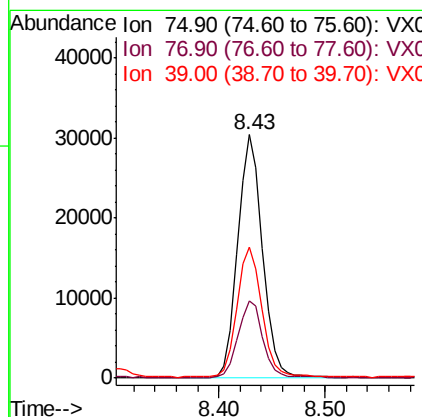
Manual Integrations  
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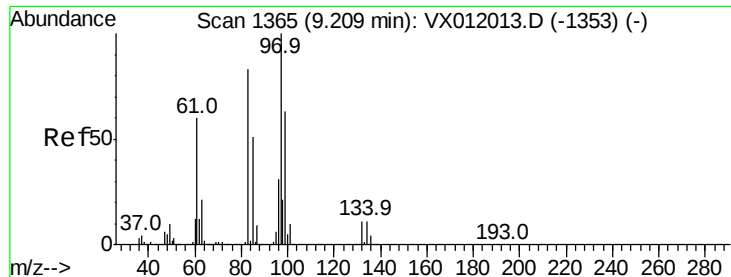
sam  
9/3/2019 2:16:09 PM



#54  
cis-1,3-Dichloropropene  
Concen: 8.978 ug/l  
RT: 8.43 min Scan# 1237  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Tgt Ion: 75 Resp: 49854  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.5 38.3  
39 53.4 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 9.191 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

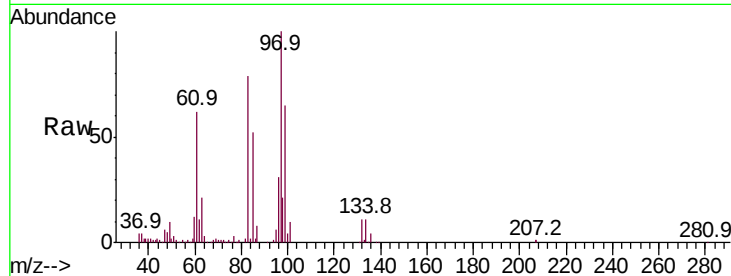
ClientSampleId :

VSTDIC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 26242 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.3  | 66.0  | 99.0  |
| 85       | 52.2  | 41.0  | 61.6  |
| 99       | 65.3  | 50.6  | 75.8  |

Manual Integrations  
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sam  
9/3/2019 2:16:09 PM

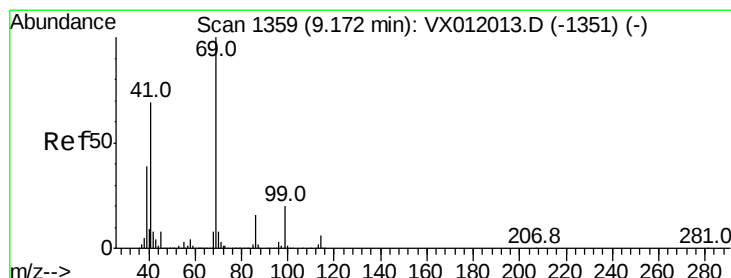
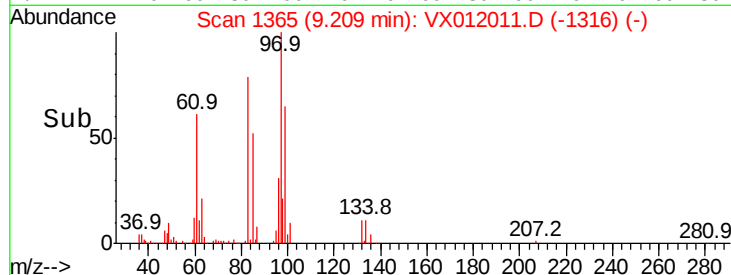
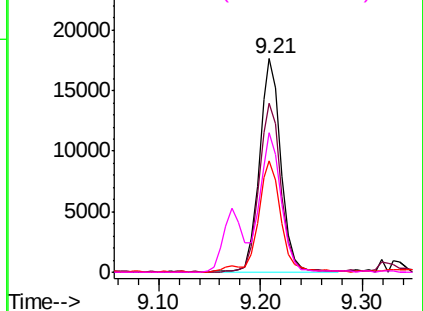


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 8.719 ug/l

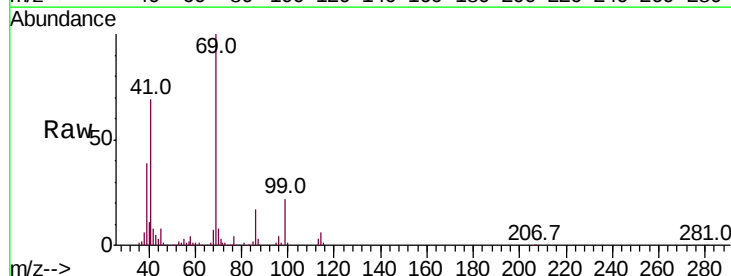
RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

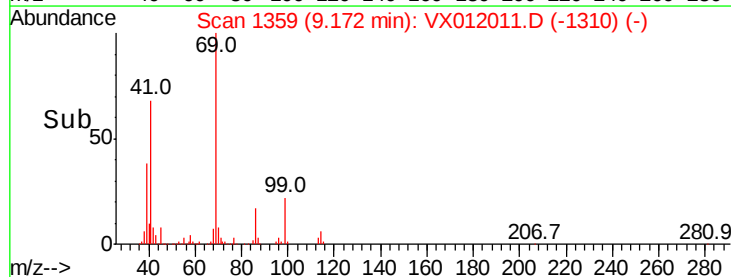
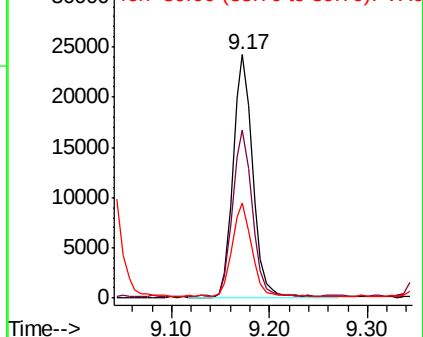
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 34305 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.0  | 53.9  | 80.9  |
| 39       | 37.5  | 31.1  | 46.7  |

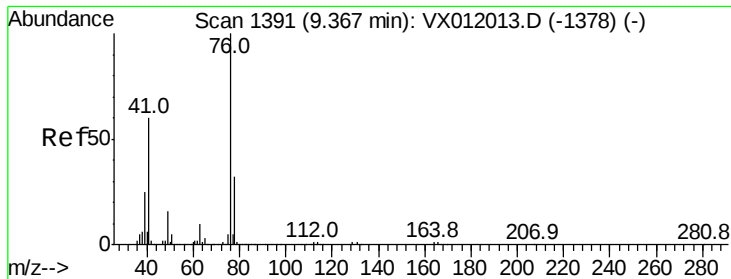


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 9.050 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 42802

Ion Ratio Lower Upper

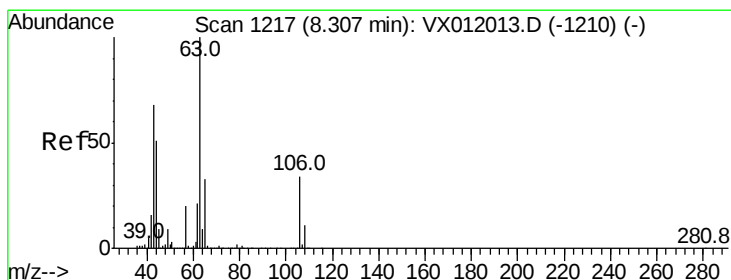
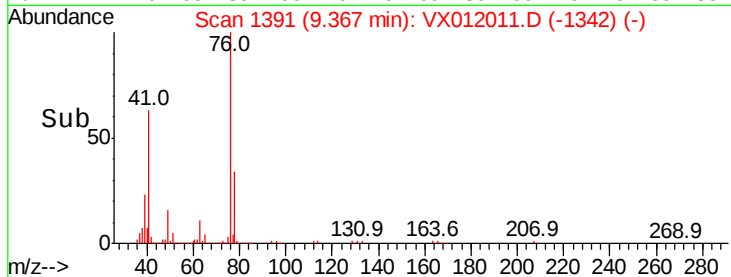
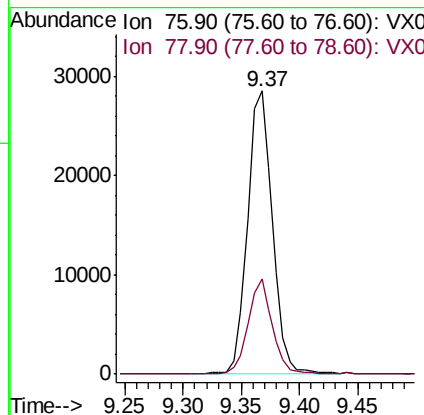
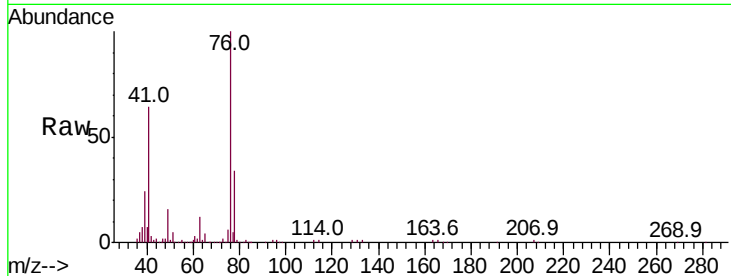
76 100

78 32.3 25.5 38.3

Manual Integrations  
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sam

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#58

2-Chloroethyl Vinyl ether

Concen: 42.463 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012011.D

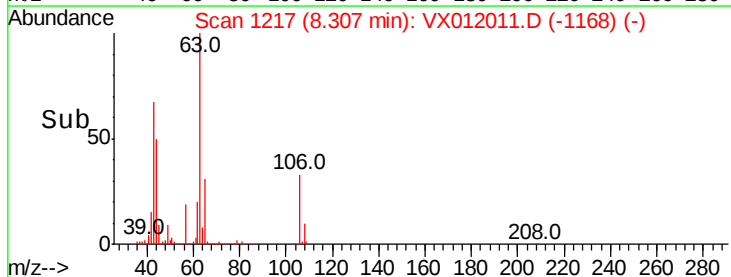
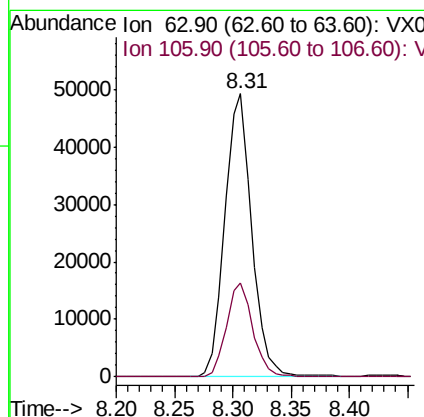
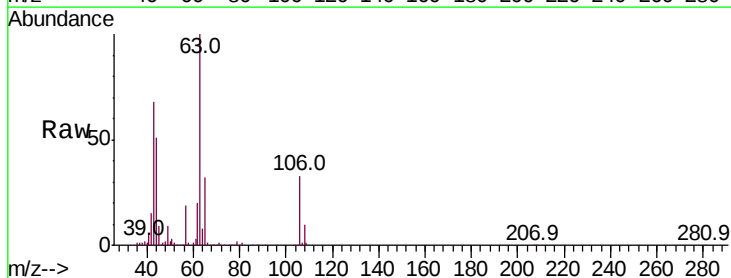
Acq: 02 Sep 2019 12:54

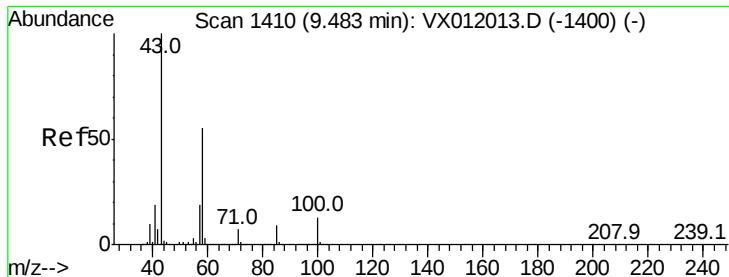
Tgt Ion: 63 Resp: 78324

Ion Ratio Lower Upper

63 100

106 32.8 26.5 39.7





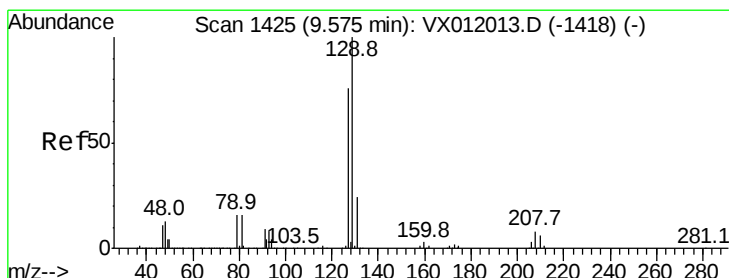
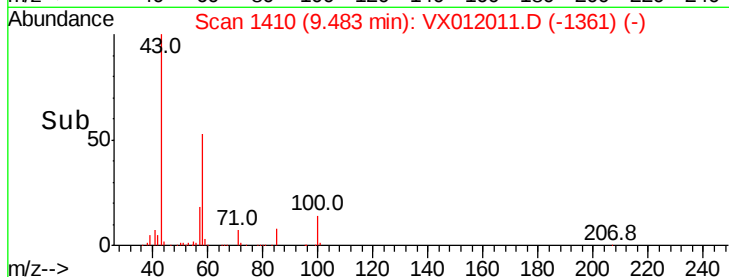
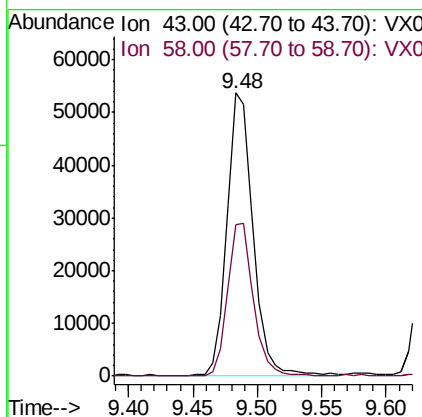
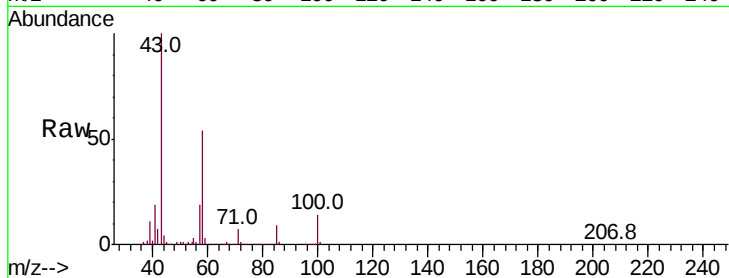
#59  
2-Hexanone  
Concen: 42.244 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 54.1  | 27.2  | 81.6  |

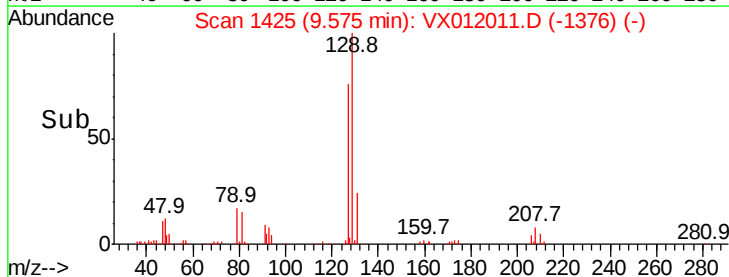
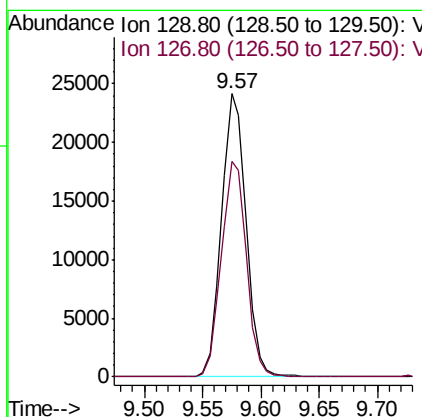
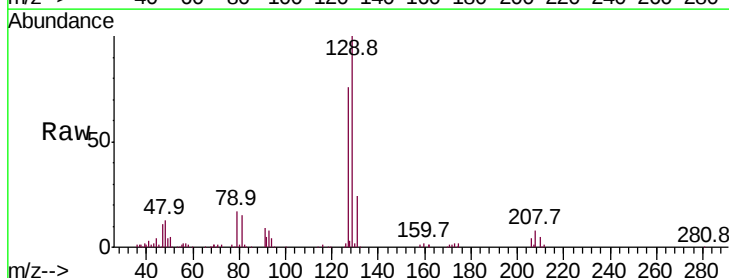
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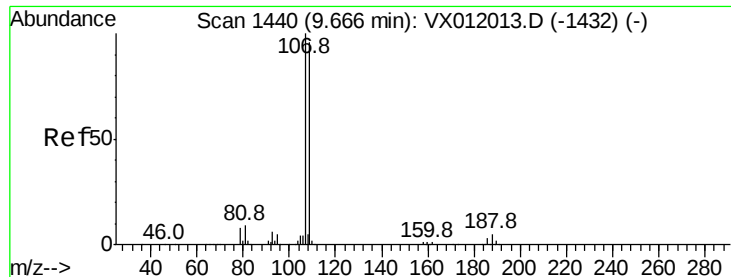
sam  
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#60  
Dibromochloromethane  
Concen: 9.152 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.6  | 38.1  | 114.5 |





#61

1,2-Dibromoethane

Concen: 8.982 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 25429

Ion Ratio Lower Upper

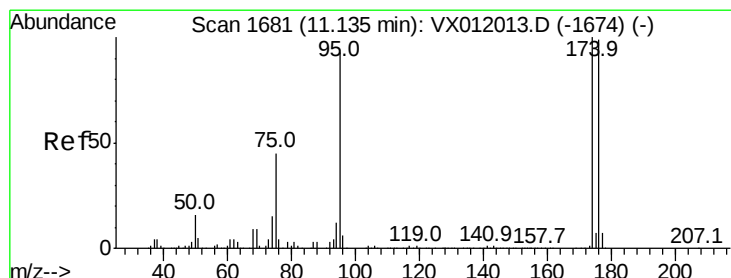
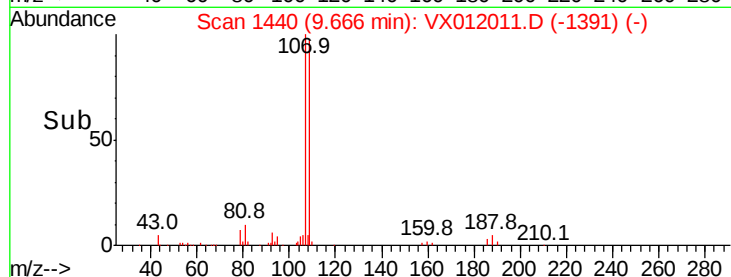
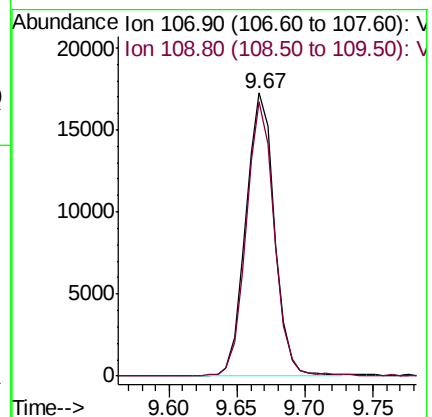
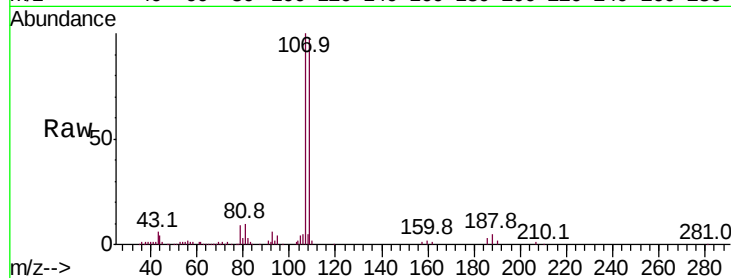
107 100

109 94.3 76.9 115.3

Manual Integrations  
APPROVED

sam

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#62

4-Bromofluorobenzene

Concen: 11.727 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

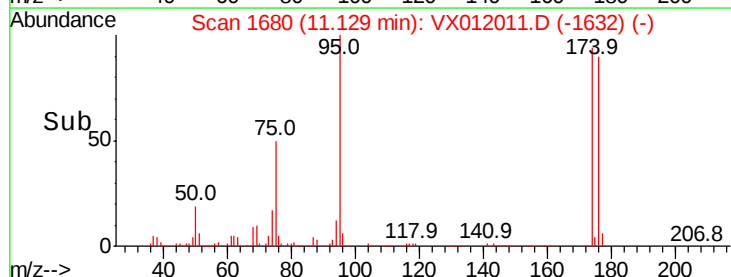
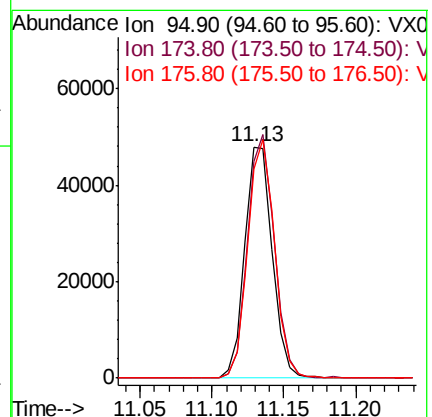
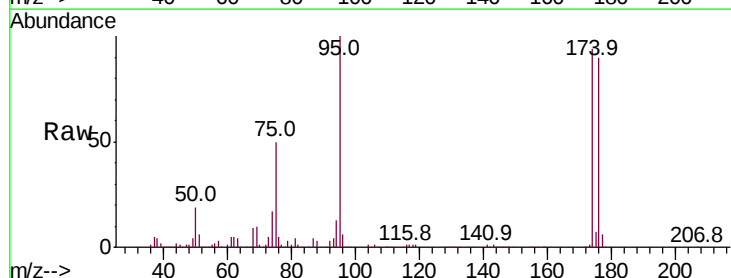
Tgt Ion: 95 Resp: 63662

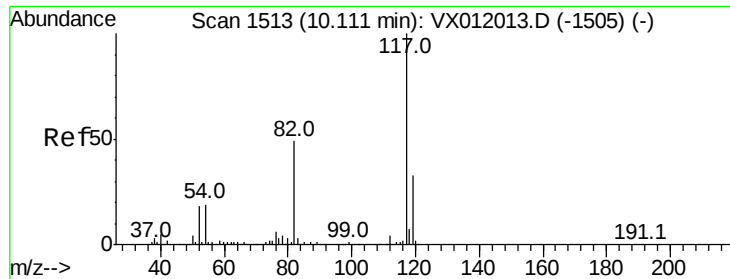
Ion Ratio Lower Upper

95 100

174 101.6 0.0 205.4

176 99.3 0.0 201.8





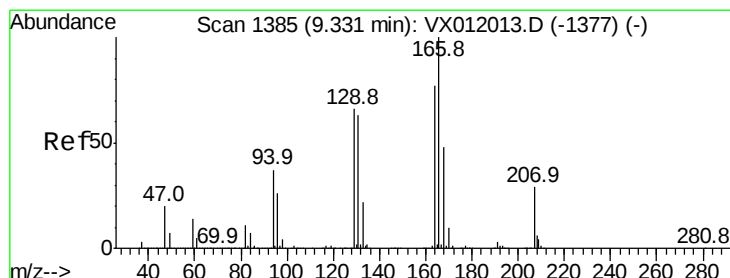
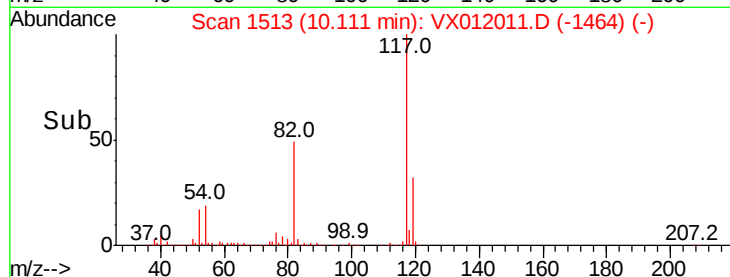
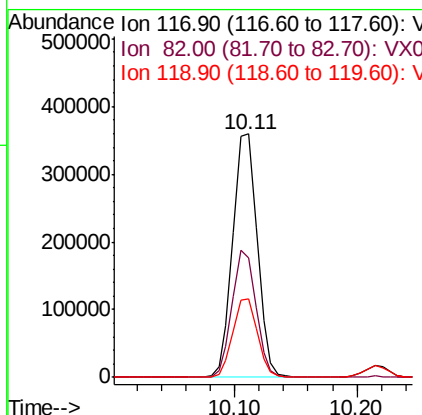
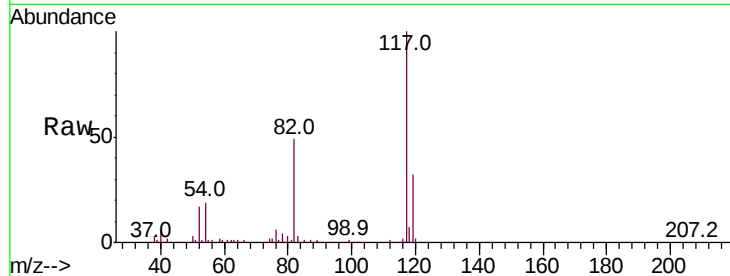
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 499020 |       |       |
| 82      | 49.3  |        | 39.4  | 59.0  |
| 119     | 32.4  |        | 26.1  | 39.1  |

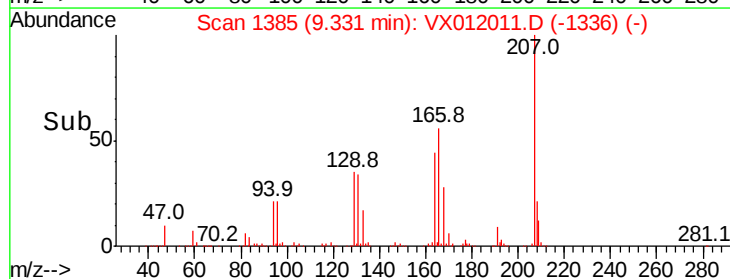
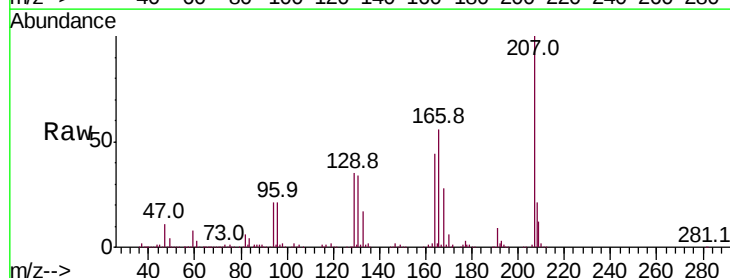
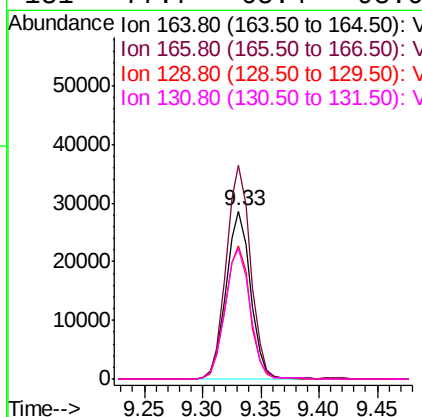
Manual Integrations  
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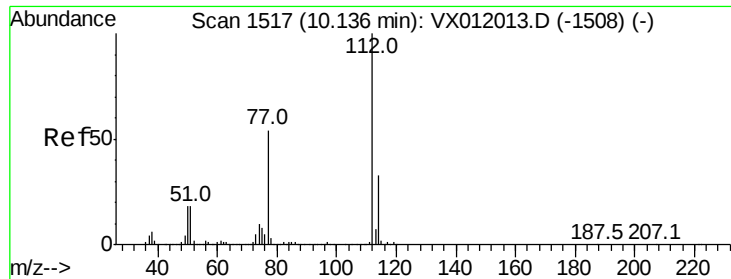
sam  
9/3/2019 2:16:09 PM



#64  
Tetrachloroethene  
Concen: 10.334 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 41638 |       |       |
| 166     | 127.1 |       | 104.3 | 156.5 |
| 129     | 79.6  |       | 68.3  | 102.5 |
| 131     | 77.7  |       | 65.4  | 98.0  |





#65

Chlorobenzene

Concen: 9.794 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 94244

Ion Ratio Lower Upper

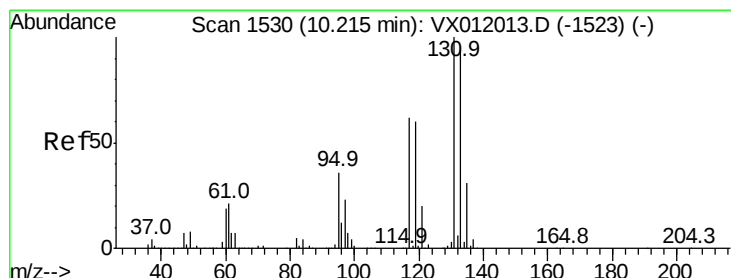
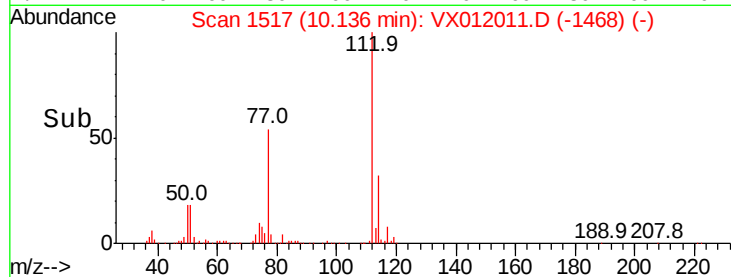
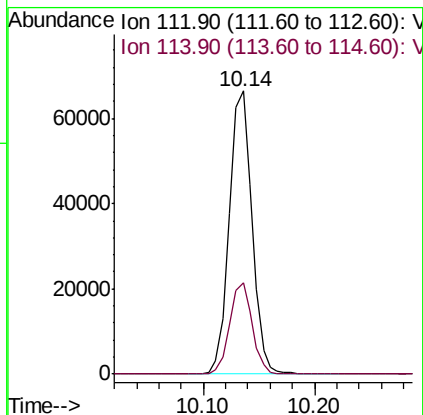
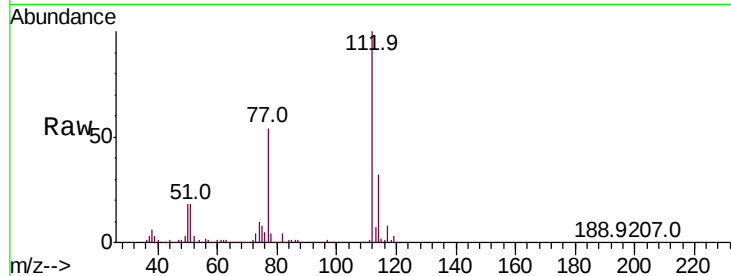
112 100

114 32.3 26.2 39.2

Manual Integrations  
APPROVED

sam

9/3/2019 2:16:09 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 9.453 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

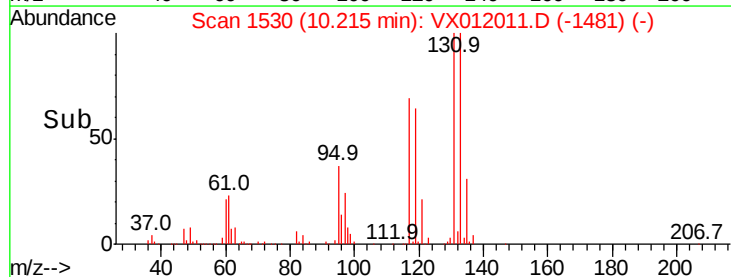
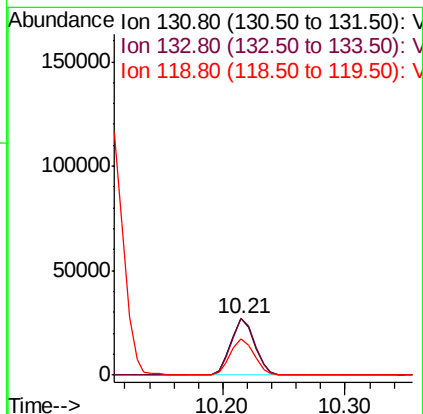
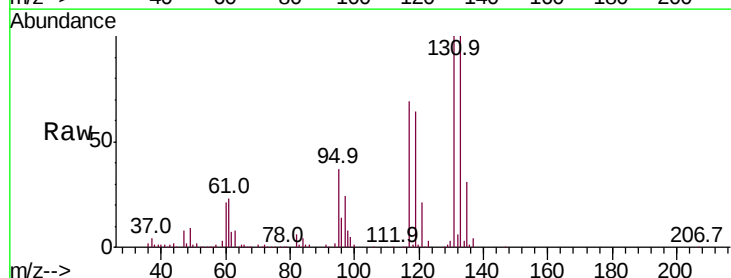
Tgt Ion:131 Resp: 36704

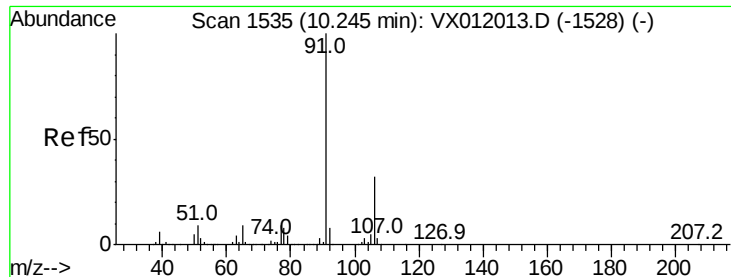
Ion Ratio Lower Upper

131 100

133 98.7 48.4 145.0

119 63.5 30.5 91.5





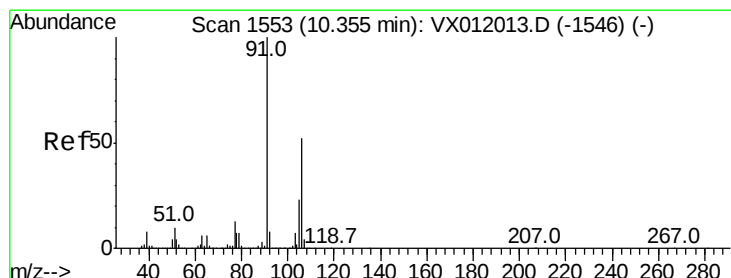
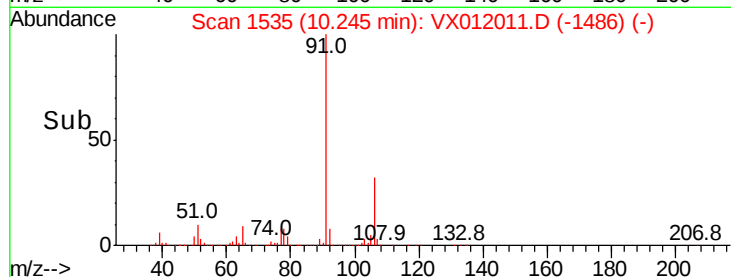
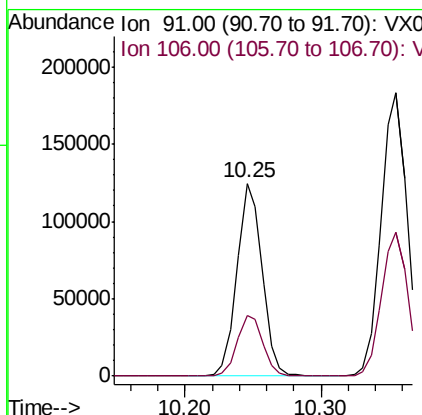
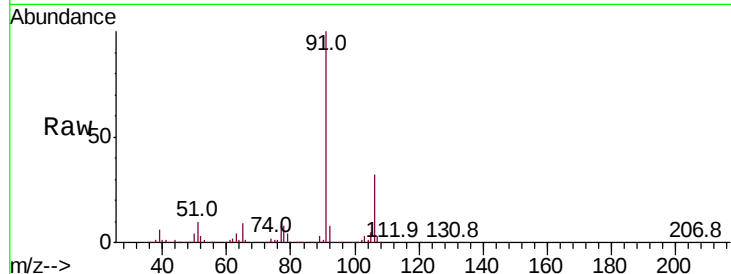
#67  
Ethyl Benzene  
Concen: 9.789 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 31.6  | 25.8  | 38.8  |

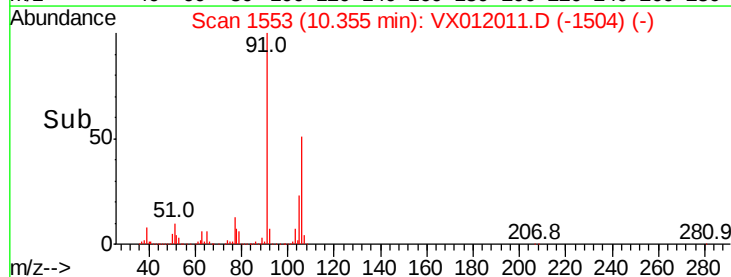
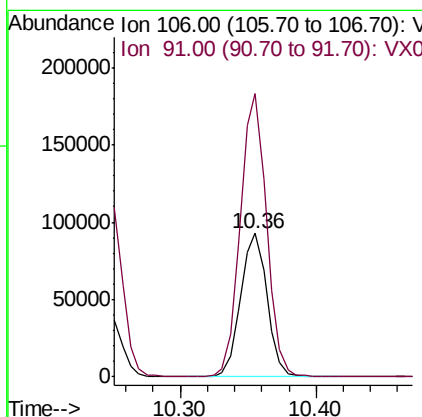
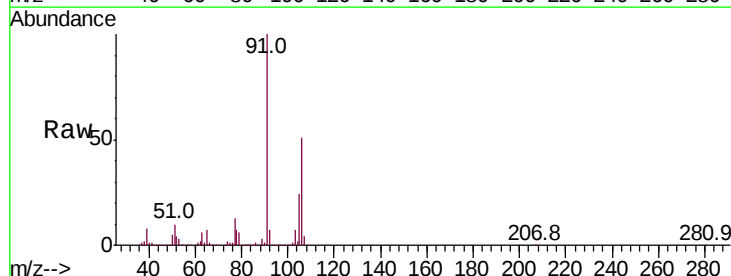
Manual Integrations  
APPROVED

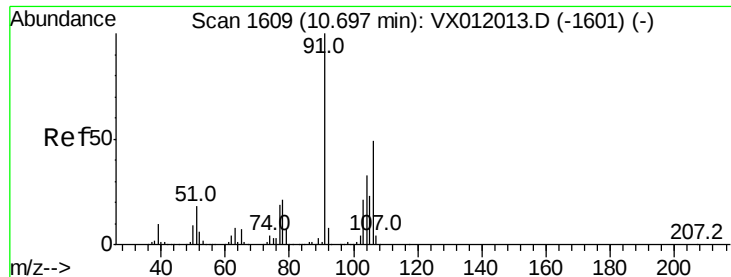
sam  
9/3/2019 2:16:09 PM



#68  
m/p-Xylenes  
Concen: 19.841 ug/l  
RT: 10.36 min Scan# 1553  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 196.4 | 157.5 | 236.3 |





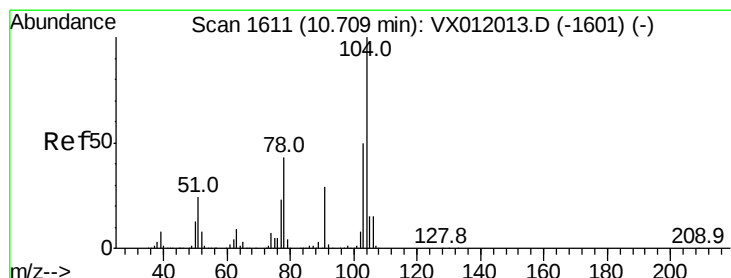
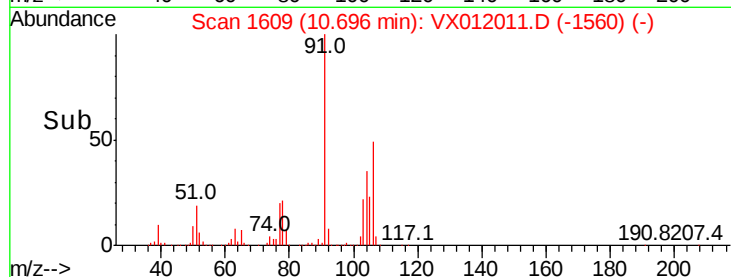
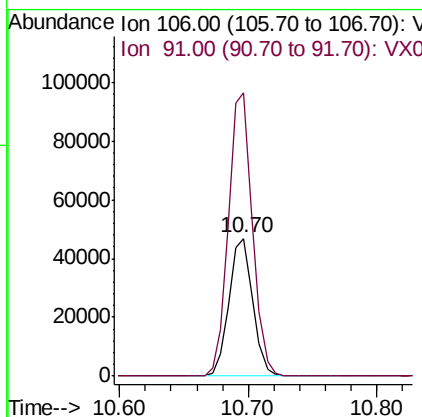
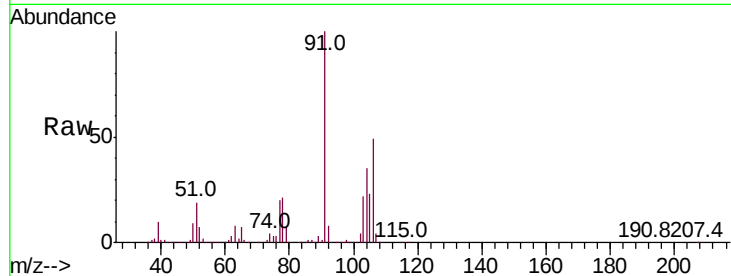
#69  
o-Xylene  
Concen: 9.935 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC010

Tot Ion:106 Resp: 61110  
Ion Ratio Lower Upper  
106 100  
91 206.8 103.5 310.3

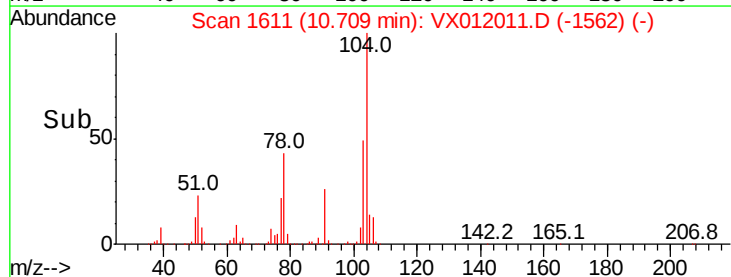
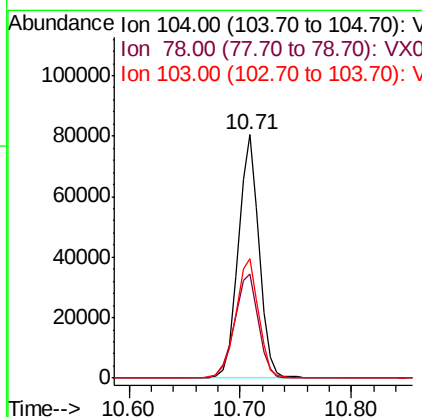
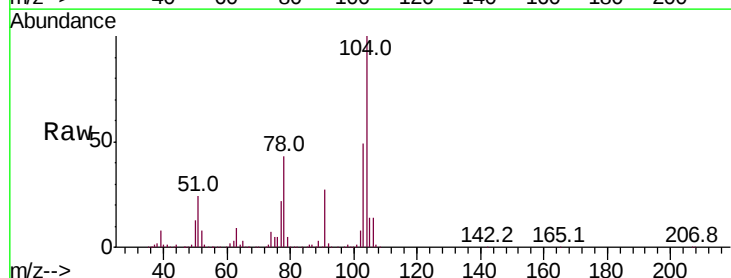
Manual Integrations  
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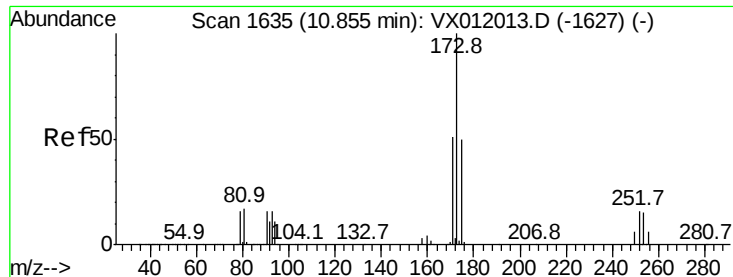
sam  
9/3/2019 2:16:09 PM



#70  
Styrene  
Concen: 9.612 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Tgt Ion:104 Resp: 103760  
Ion Ratio Lower Upper  
104 100  
78 49.3 39.1 58.7  
103 54.3 43.4 65.2





#71

Bromoform

Concen: 8.959 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

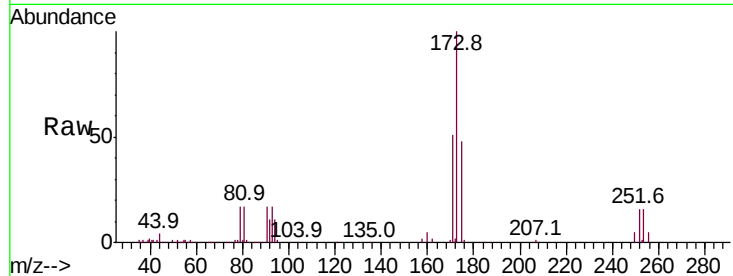
ClientSampleId :

VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 50.2  | 24.9  | 74.7  |
| 254     | 0.0   | 0.1   | 0.1#  |

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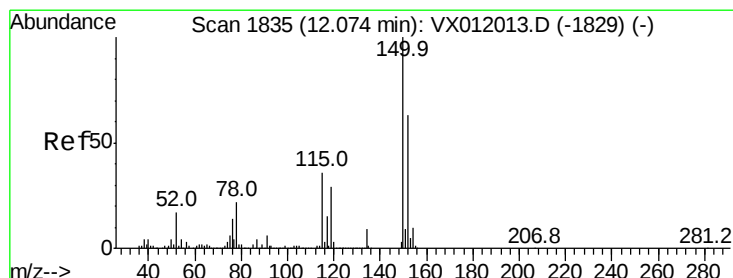
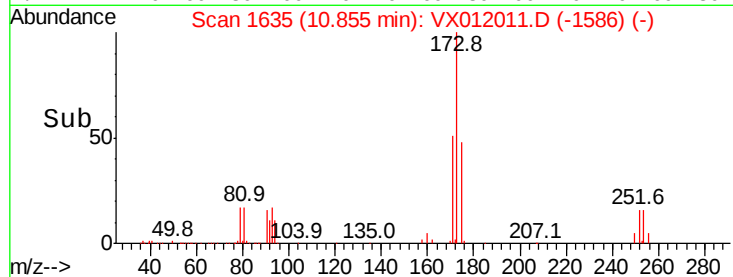
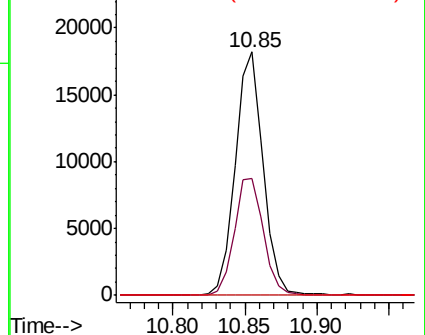


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

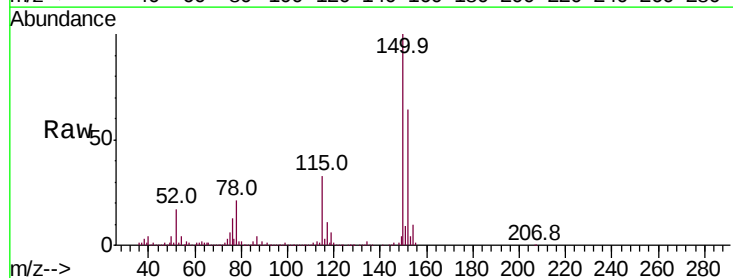
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.8  | 36.4  | 109.3 |
| 150     | 157.6 | 0.0   | 341.2 |

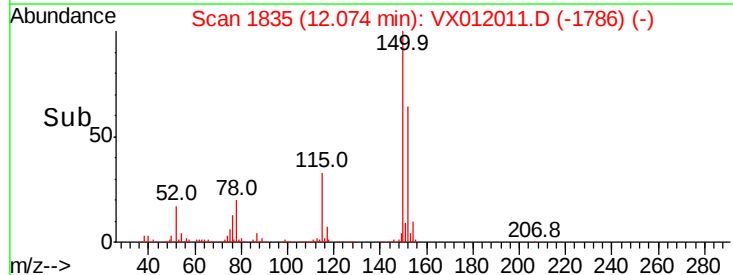
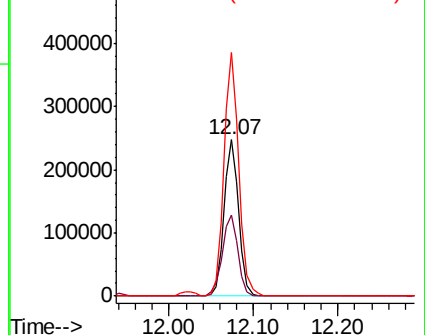


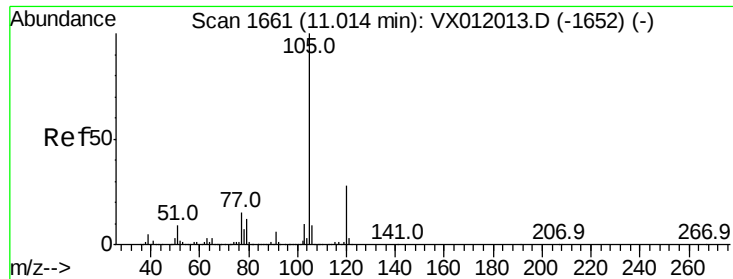
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.897 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 167141

Ion Ratio Lower Upper

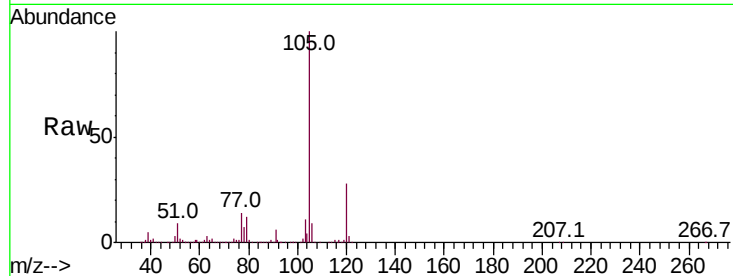
105 100

120 27.0 13.9 41.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

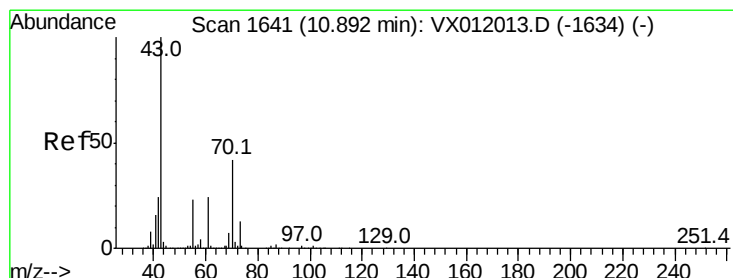
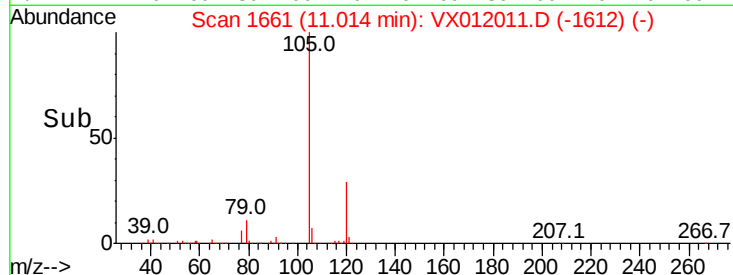
11.01

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 8.183 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Tgt Ion: 43 Resp: 40082

Ion Ratio Lower Upper

43 100

70 44.0 34.4 51.6

55 24.8 18.5 27.7

61 24.5 19.5 29.3

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

50000

40000

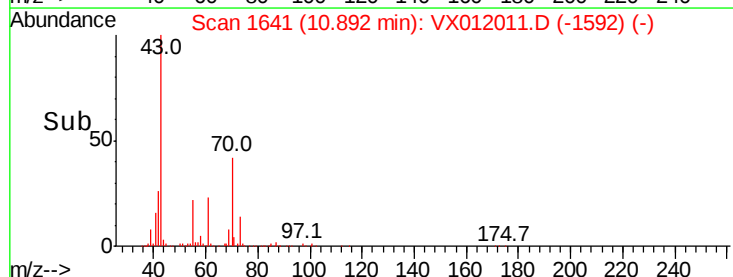
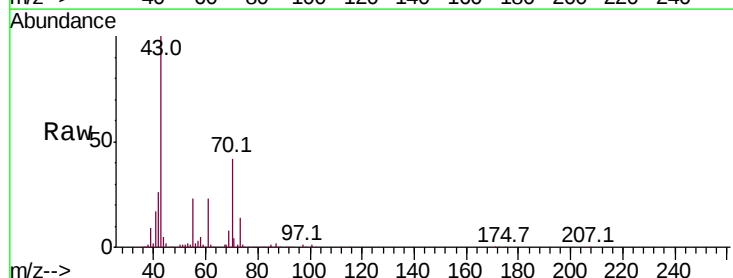
30000

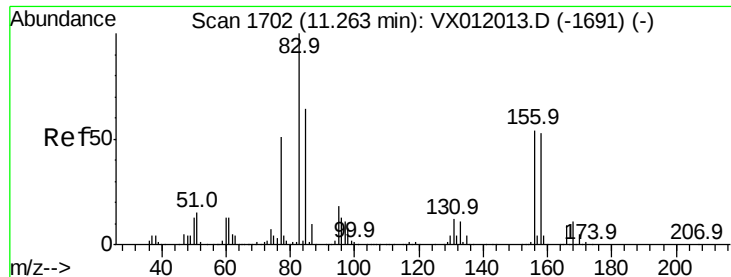
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 8.932 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

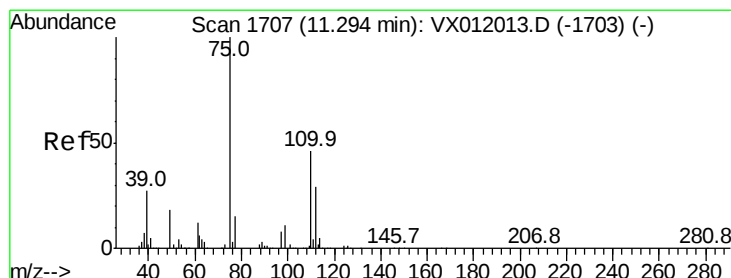
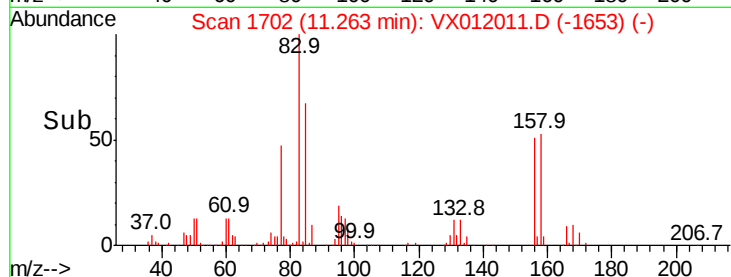
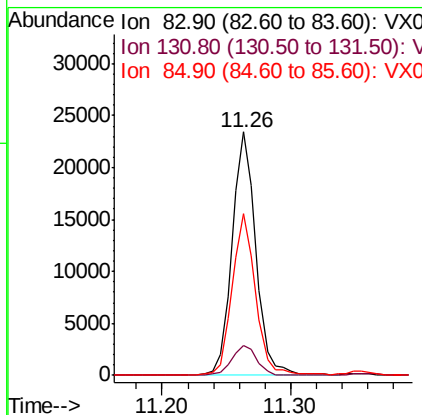
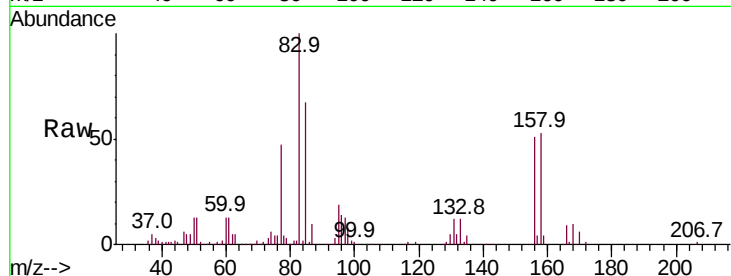
ClientSampled :

VSTDIC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 30341 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 12.8  | 6.3   | 19.1  |
| 85        | 65.1  | 32.5  | 97.4  |

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#76

1,2,3-Trichloropropane

Concen: 9.621 ug/l m

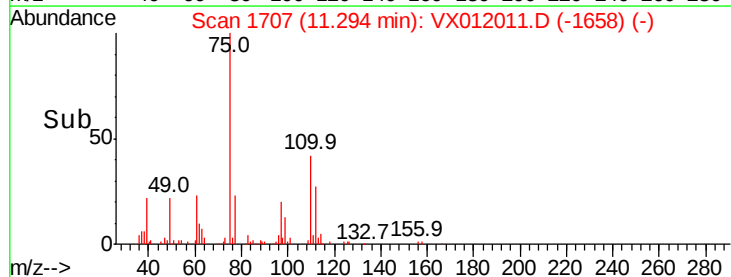
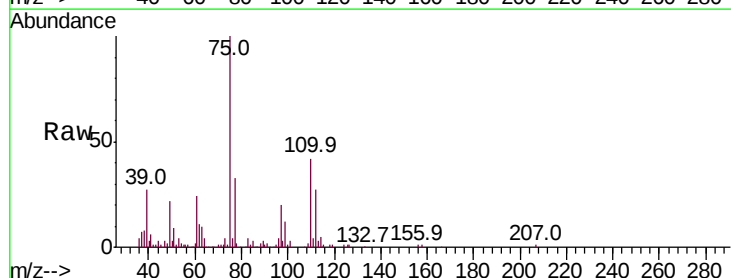
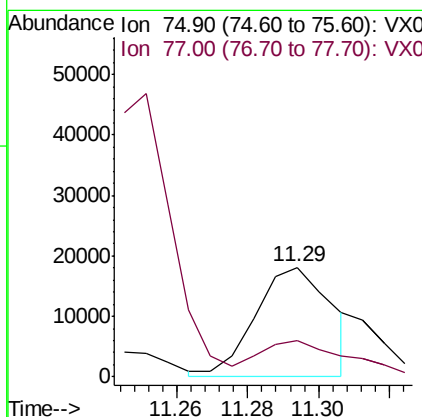
RT: 11.29 min Scan# 1707

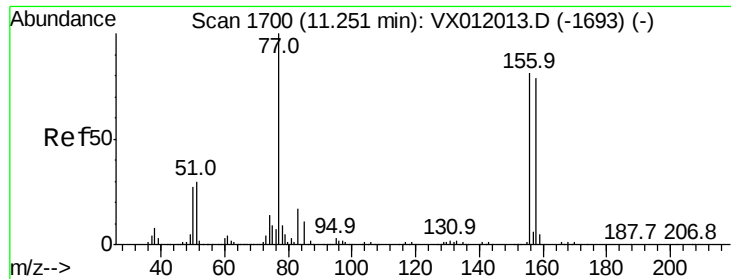
Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 26809 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 39.1  | 23.5  | 70.5  |





#77

Bromobenzene

Concen: 9.876 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 48383

Ion Ratio Lower Upper

156 100

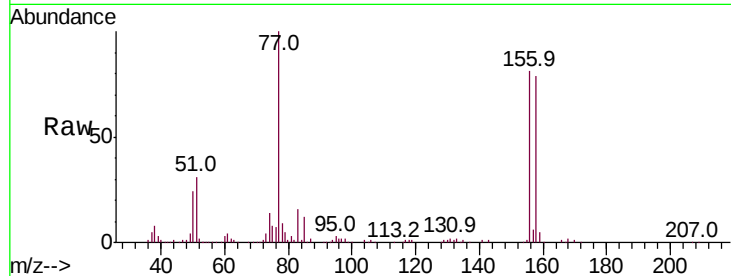
77 126.9 63.4 190.2

158 97.8 48.9 146.6

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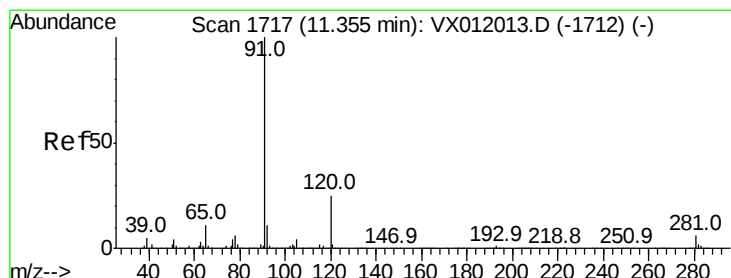
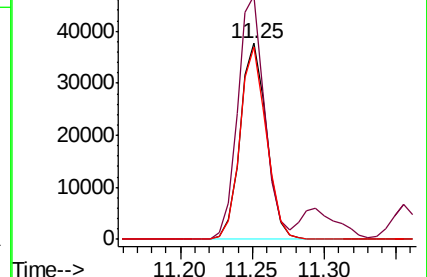
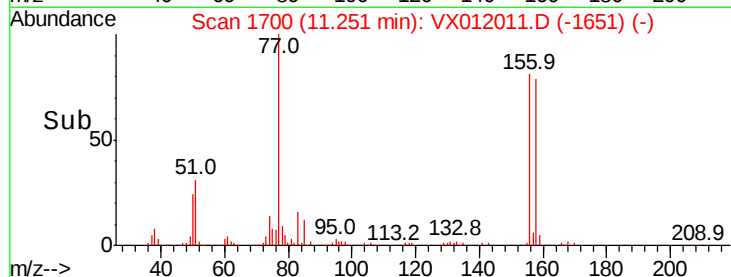
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.863 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012011.D

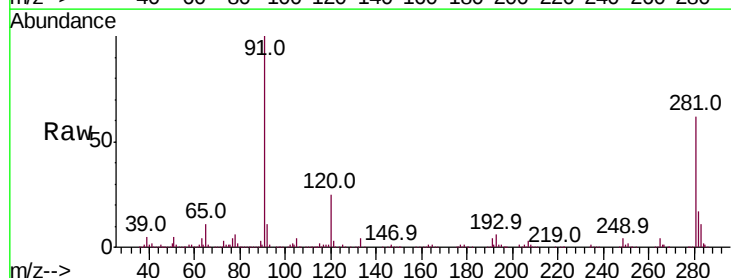
Acq: 02 Sep 2019 12:54

Tgt Ion: 91 Resp: 188192

Ion Ratio Lower Upper

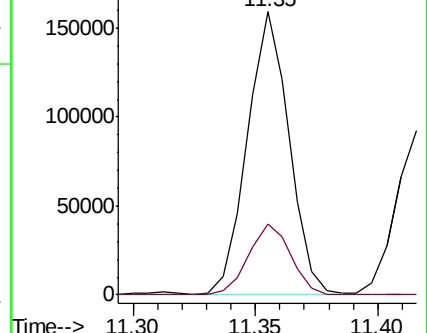
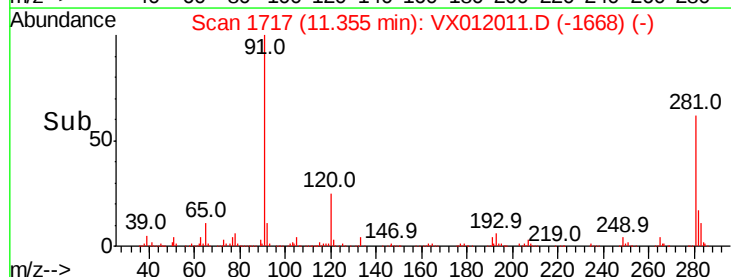
91 100

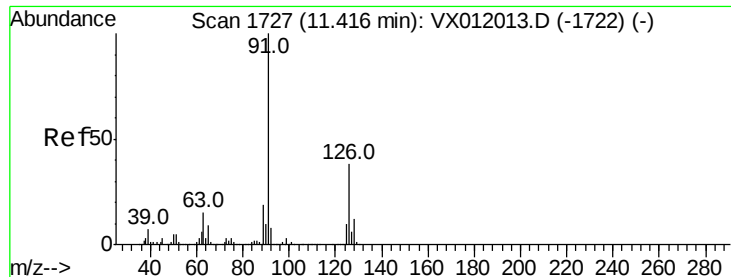
120 25.6 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.704 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 111155

Ion Ratio Lower Upper

91 100

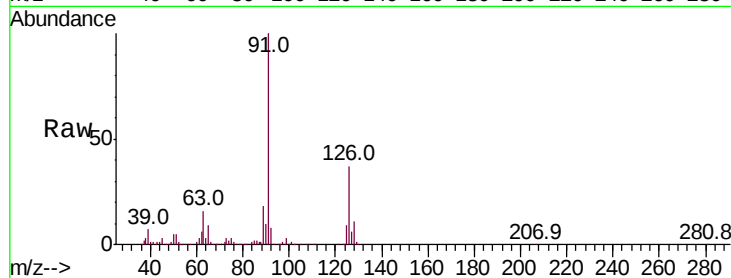
126 37.7 18.6 55.8

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Abundance Ion 91.00 (90.70 to 91.70): VX012011.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX012011.D (-1678) (-)

150000

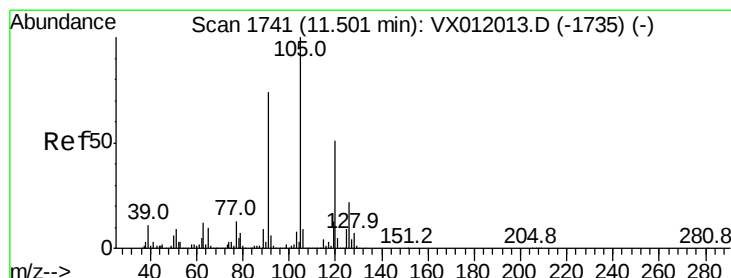
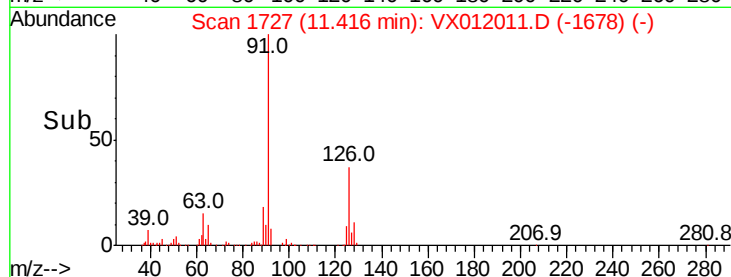
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 9.909 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012011.D

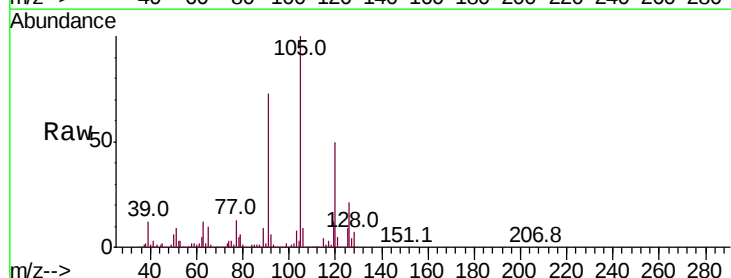
Acq: 02 Sep 2019 12:54

Tgt Ion: 105 Resp: 143802

Ion Ratio Lower Upper

105 100

120 50.3 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012011.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX012011.D (-1692) (-)

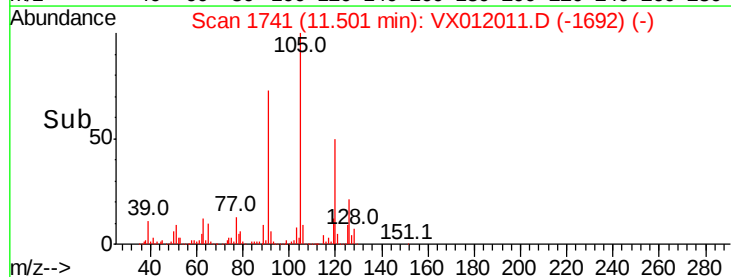
100000

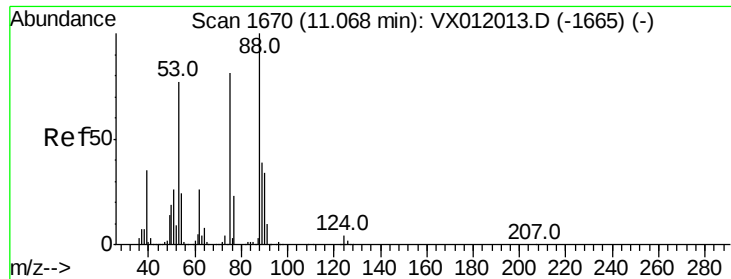
50000

0

11.40 11.50 11.60

Time-->





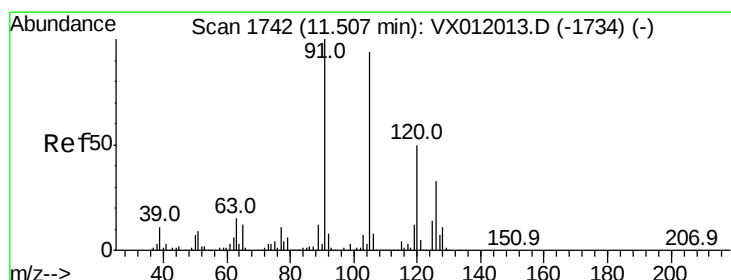
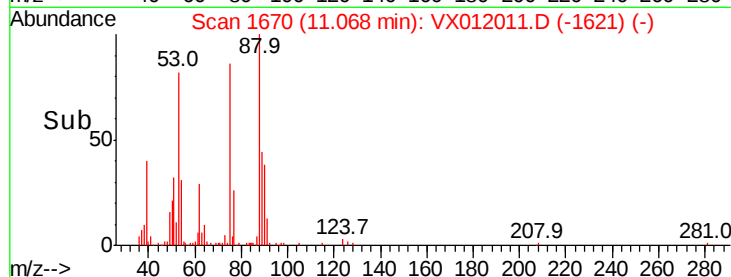
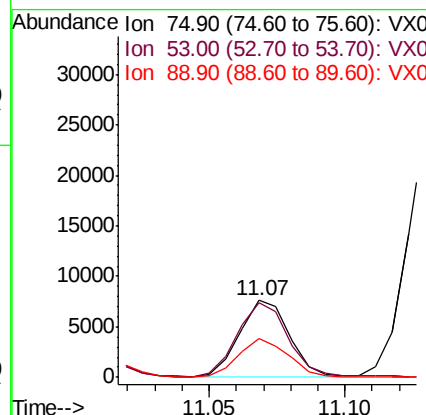
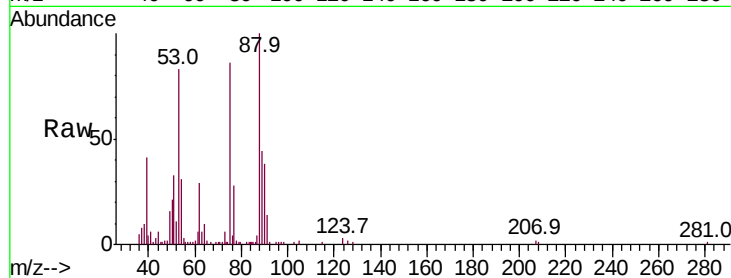
#81  
trans-1,4-Dichloro-2-butene  
Concen: 8.683 ug/l  
RT: 11.07 min Scan# 1670  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 99.1  | 78.6  | 117.8 |
| 89      | 50.5  | 38.8  | 58.2  |

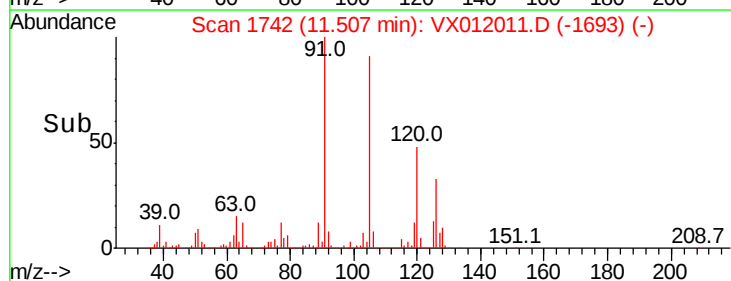
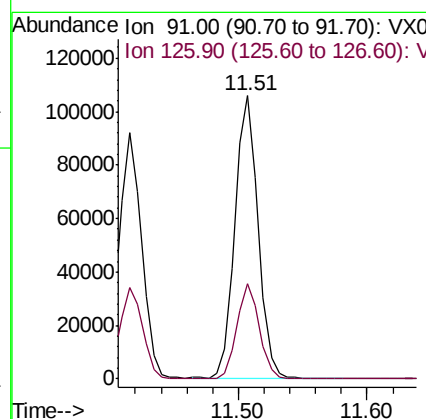
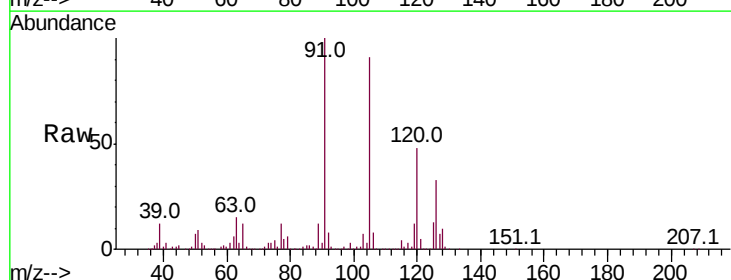
Manual Integrations  
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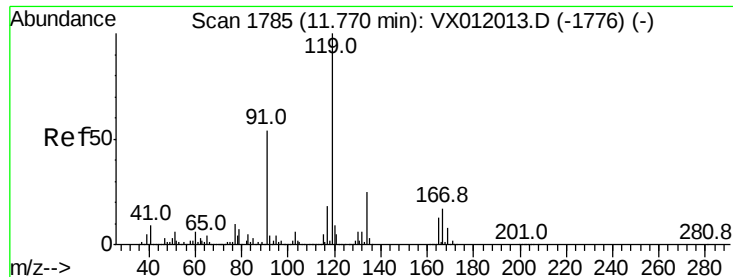
sam  
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#82  
4-Chlorotoluene  
Concen: 9.666 ug/l  
RT: 11.51 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.6  | 16.2  | 48.6  |





#83

tert-Butylbenzene

Concen: 10.055 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

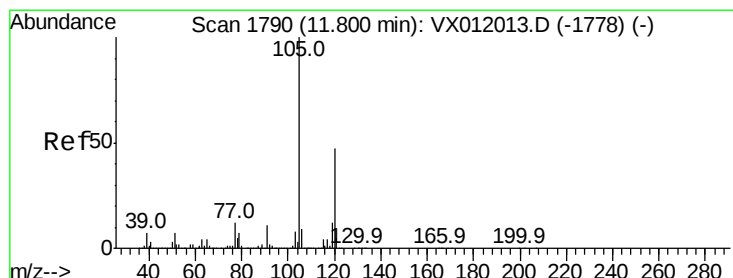
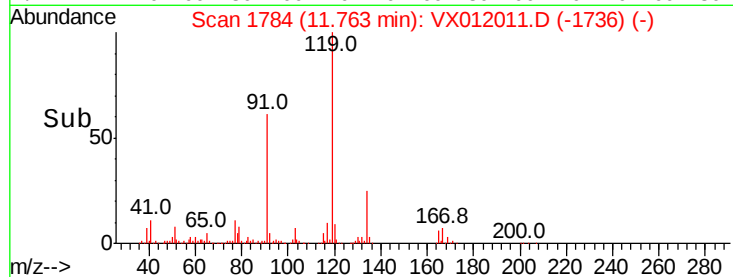
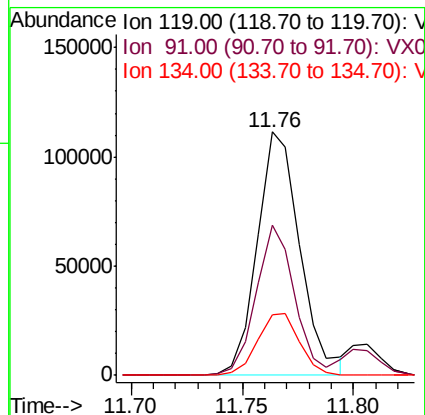
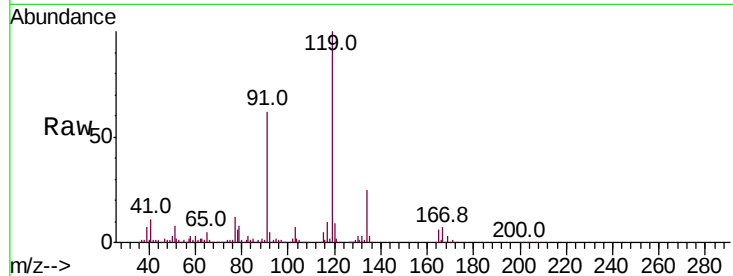
ClientSampled :

VSTDIC010

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 148896 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 55.3  | 27.1  | 81.2   |
| 134       | 24.9  | 12.1  | 36.3   |

Manual Integrations  
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#84

1,2,4-Trimethylbenzene

Concen: 9.707 ug/l

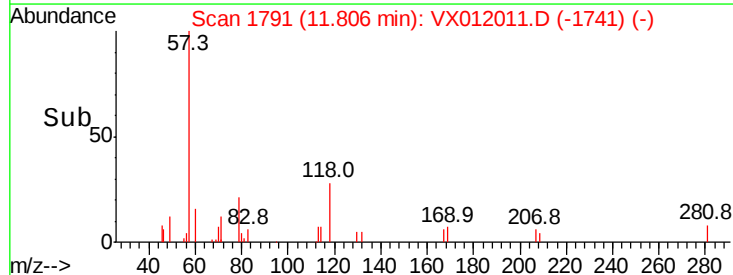
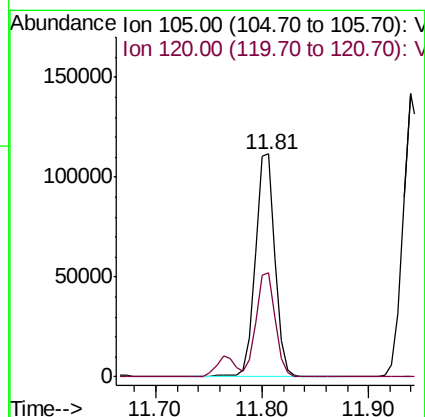
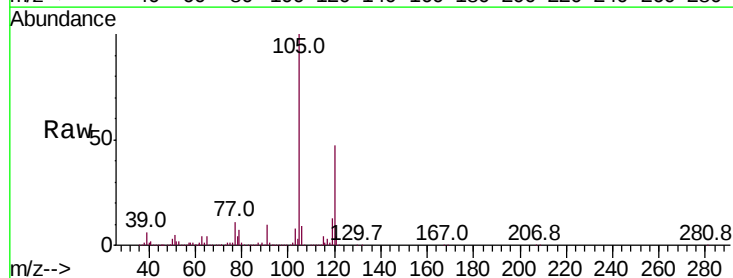
RT: 11.81 min Scan# 1791

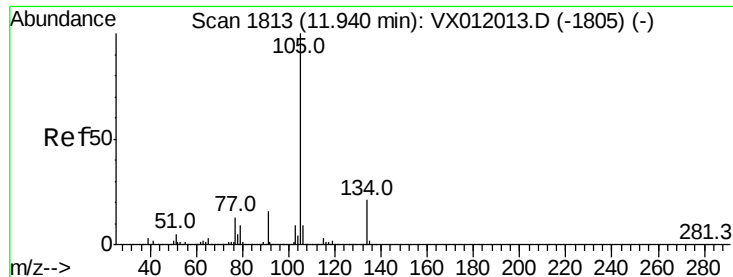
Delta R.T. 0.01 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 144382 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 45.8  | 23.6  | 70.8   |





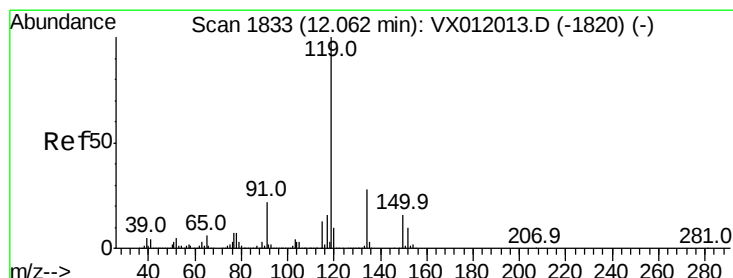
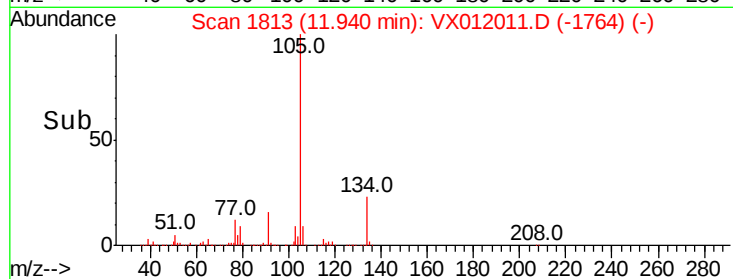
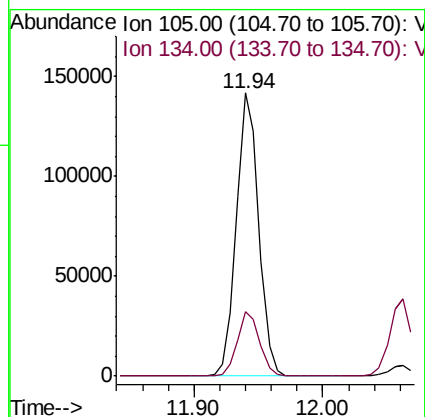
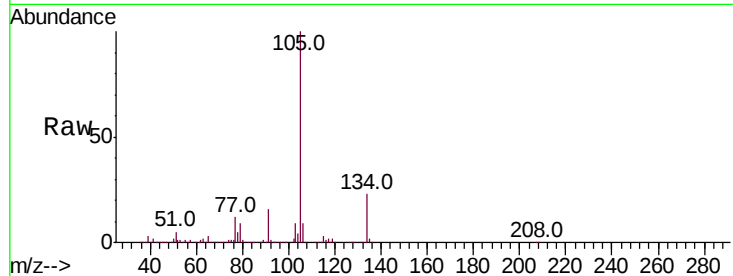
#85  
 sec-Butylbenzene  
 Concen: 10.025 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 22.6  | 11.2  | 33.6  |

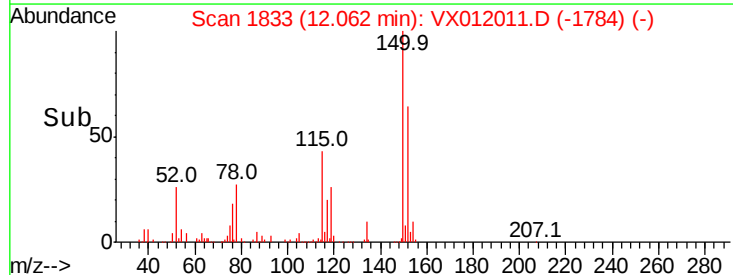
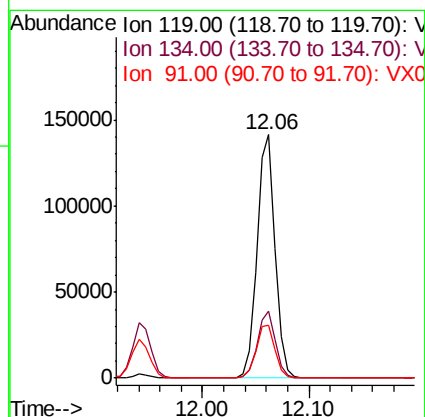
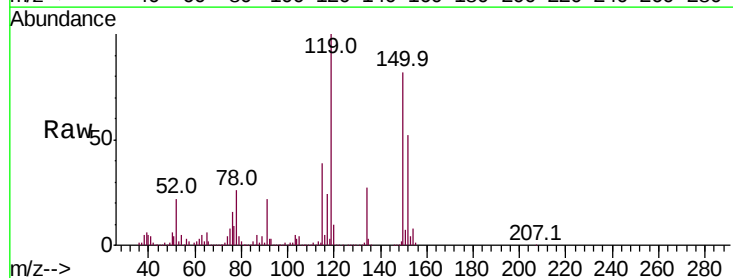
Manual Integrations  
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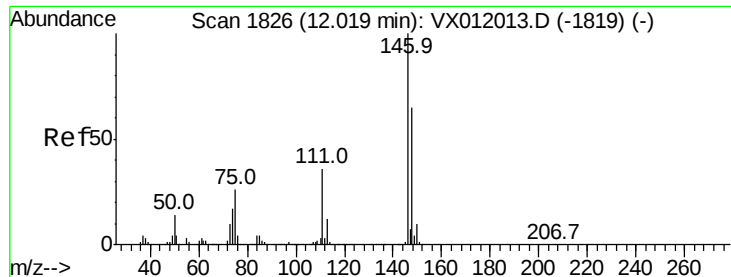
sam  
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#86  
 p-Isopropyltoluene  
 Concen: 10.053 ug/l  
 RT: 12.06 min Scan# 1833  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 27.3  | 13.7  | 41.1  |
| 91      | 23.1  | 11.4  | 34.1  |





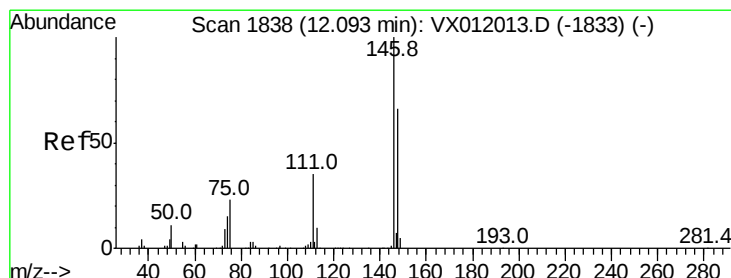
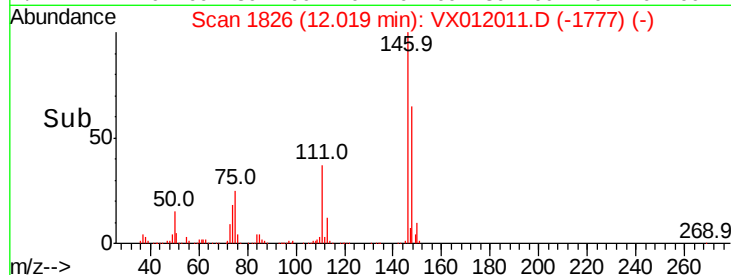
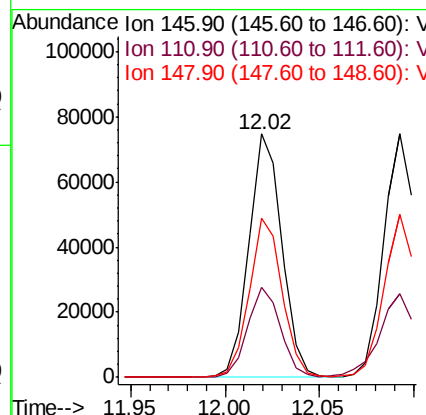
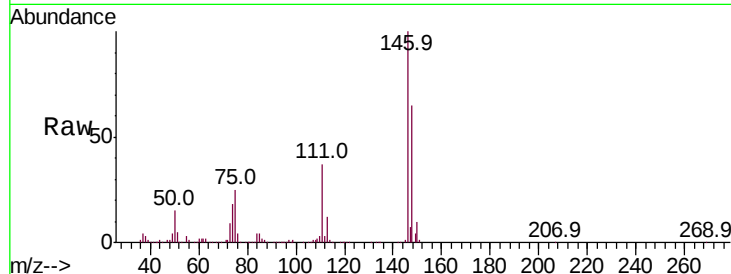
#87  
 1,3-Dichlorobenzene  
 Concen: 10.001 ug/l  
 RT: 12.02 min Scan# 1826  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.1  | 18.1  | 54.1  |
| 148     | 65.0  | 32.6  | 97.8  |

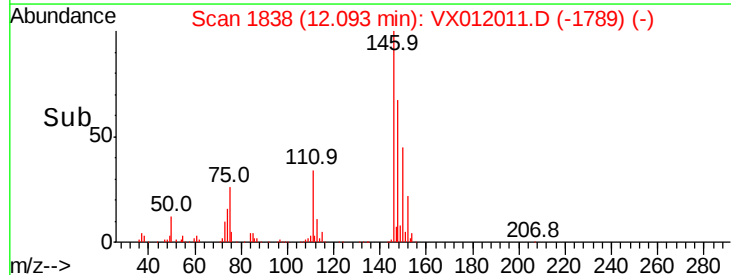
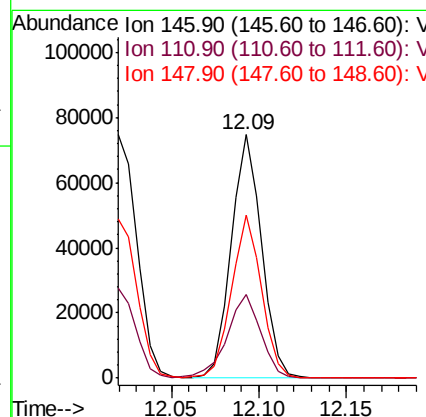
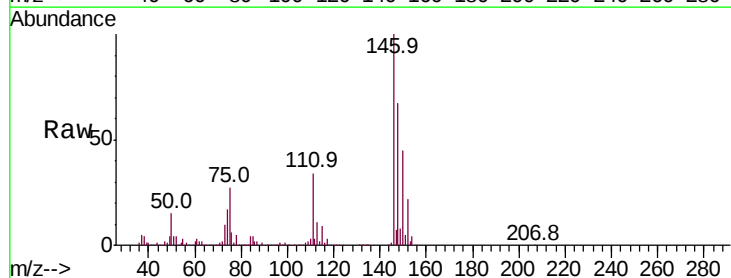
Manual Integrations  
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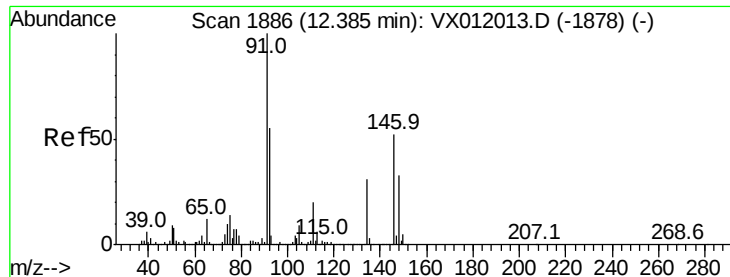
sam  
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#88  
 1,4-Dichlorobenzene  
 Concen: 9.777 ug/l  
 RT: 12.09 min Scan# 1838  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 17.7  | 53.1  |
| 148     | 67.1  | 32.4  | 97.0  |





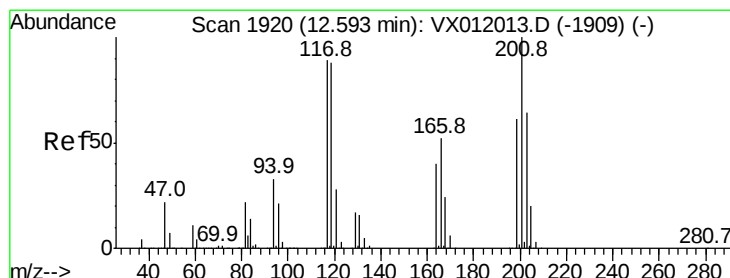
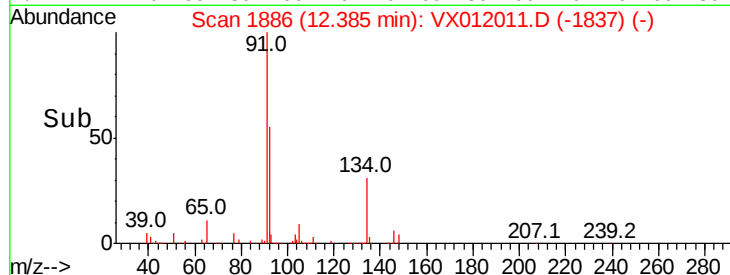
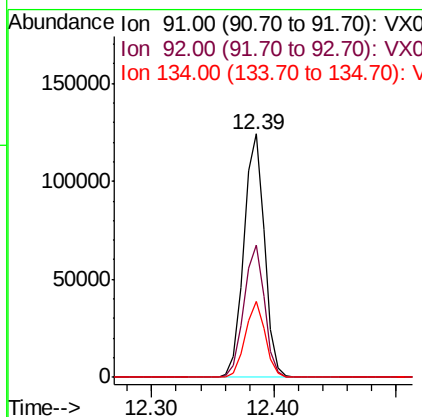
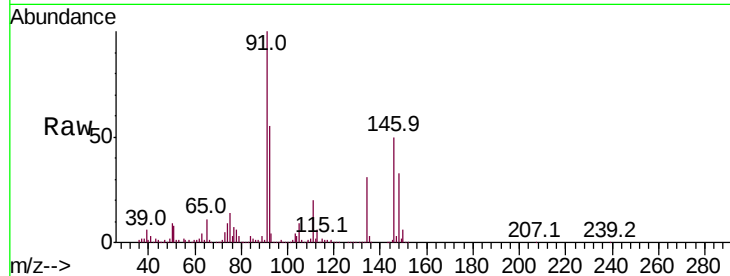
#89  
n-Butylbenzene  
Concen: 9.848 ug/l  
RT: 12.39 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 144612 |       |       |
| 92      | 54.5  | 27.6   | 82.8  |       |
| 134     | 30.6  | 15.4   | 46.1  |       |

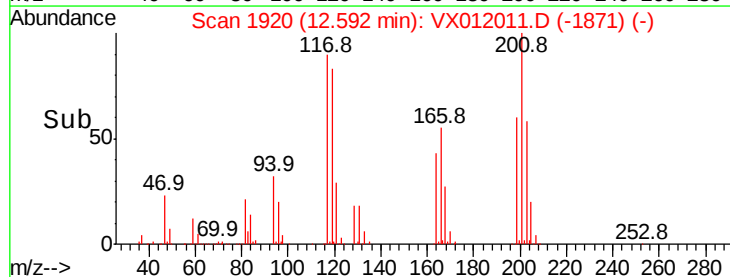
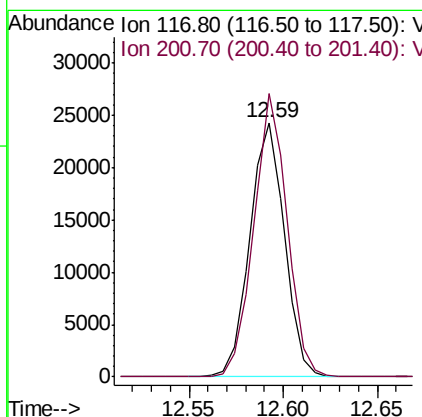
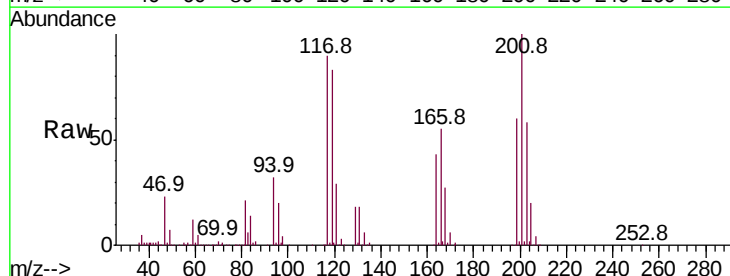
Manual Integrations  
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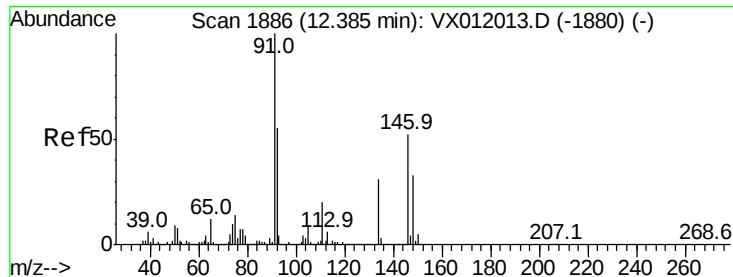
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#90  
Hexachloroethane  
Concen: 9.606 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 30892 |       |       |
| 201     | 107.0 | 55.0  | 165.2 |       |





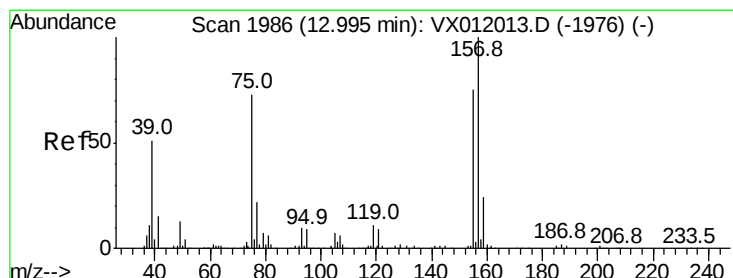
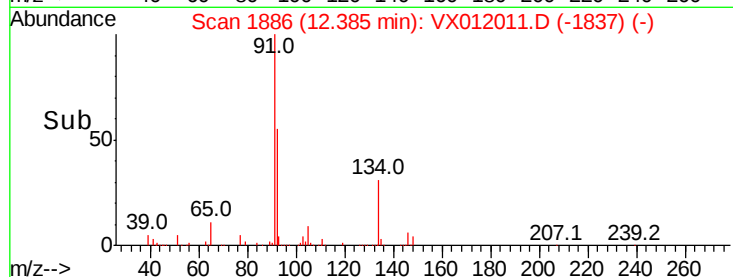
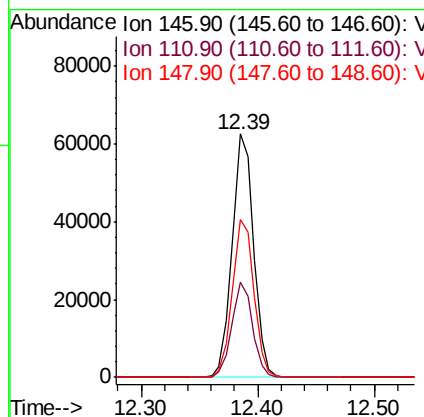
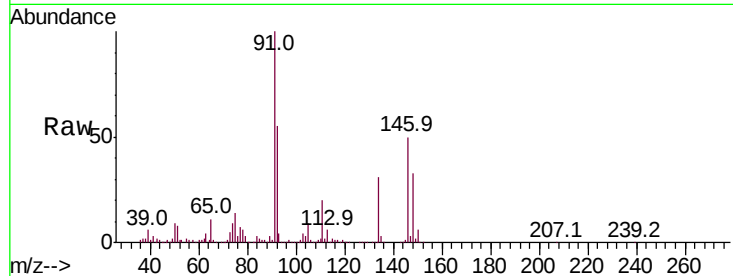
#91  
 1,2-Dichlorobenzene  
 Concen: 9.582 ug/l  
 RT: 12.39 min Scan# 1886  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.9  | 18.6  | 56.0  |
| 148     | 65.3  | 32.4  | 97.2  |

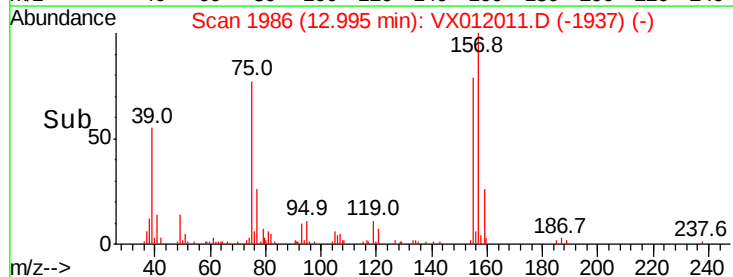
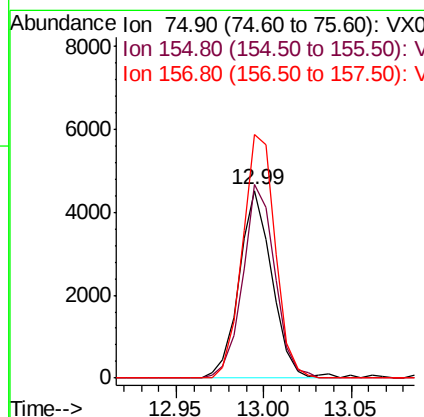
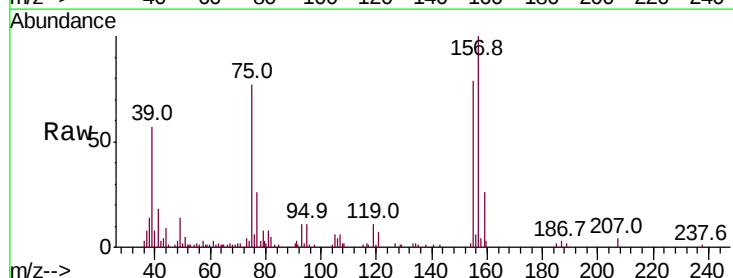
Manual Integrations  
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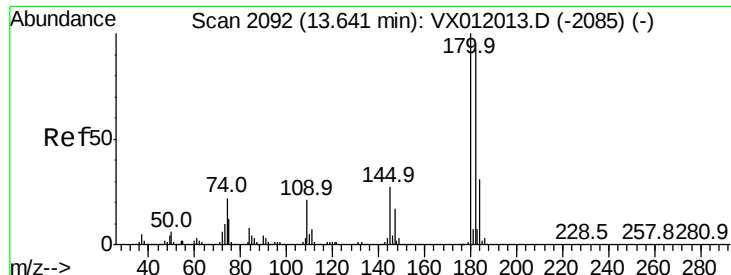
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 8.733 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VX012011.D  
 Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 100.9 | 51.7  | 155.2 |
| 157     | 129.0 | 66.9  | 200.7 |





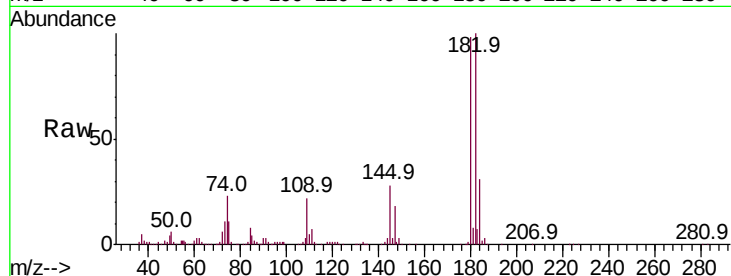
#93  
1,2,4-Trichlorobenzene  
Concen: 9.655 ug/l  
RT: 13.64 min Scan# 2092  
Delta R.T. -0.00 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC010

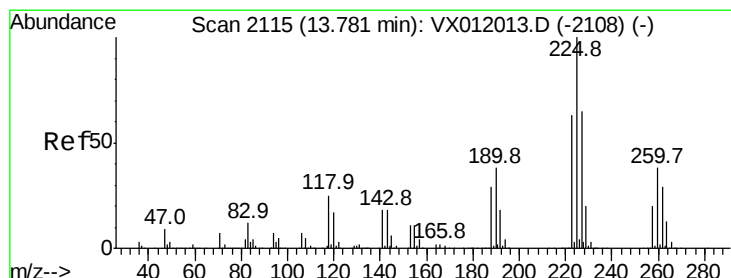
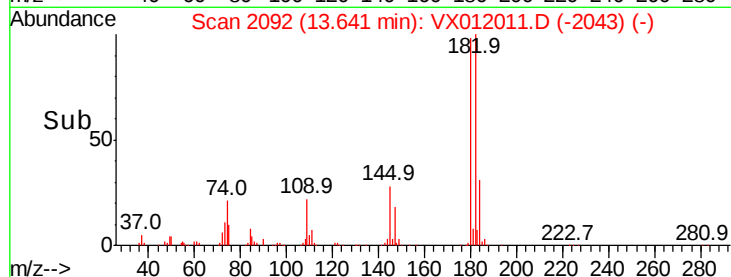
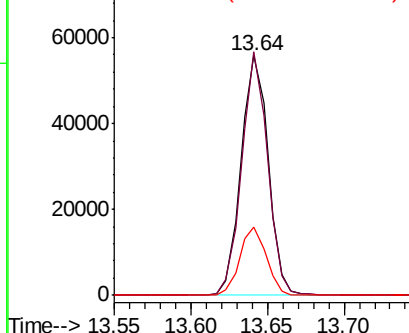
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 96.3  | 47.3 | 142.0 |       |
| 145     | 27.9  | 13.7 | 41.0  |       |

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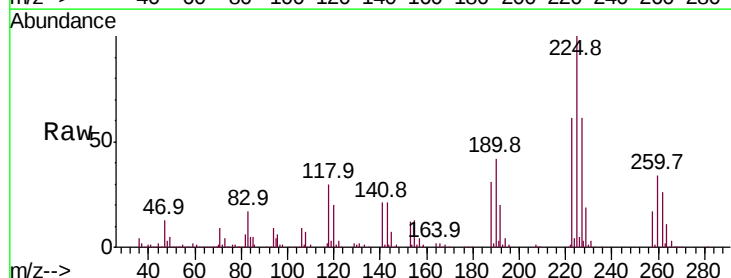


Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V

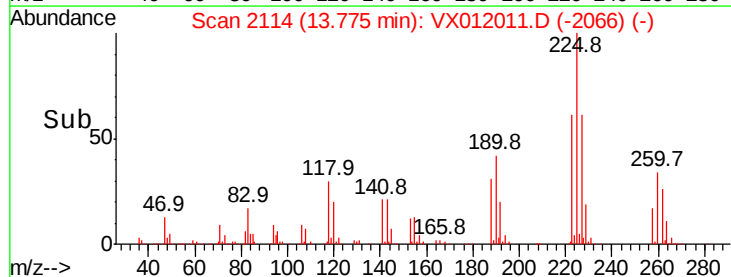
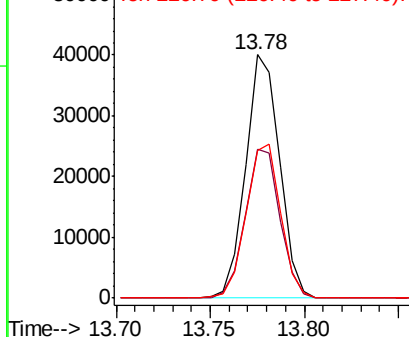


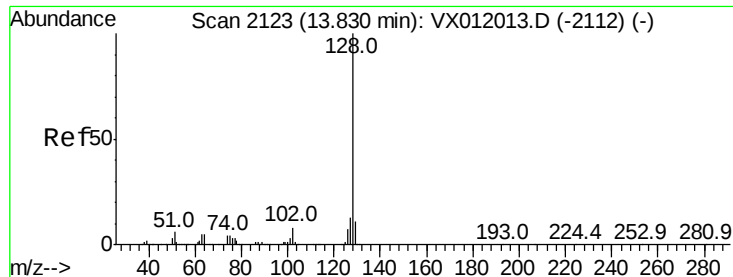
#94  
Hexachlorobutadiene  
Concen: 10.419 ug/l  
RT: 13.78 min Scan# 2114  
Delta R.T. -0.01 min  
Lab File: VX012011.D  
Acq: 02 Sep 2019 12:54

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.8  | 31.6 | 95.0  |       |
| 227     | 64.2  | 32.5 | 97.5  |       |



Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 8.868 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

Instrument :

MSVOA\_X

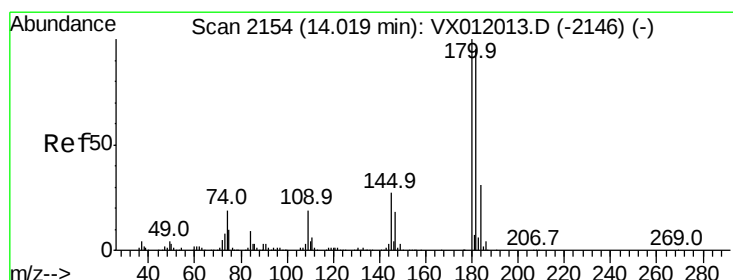
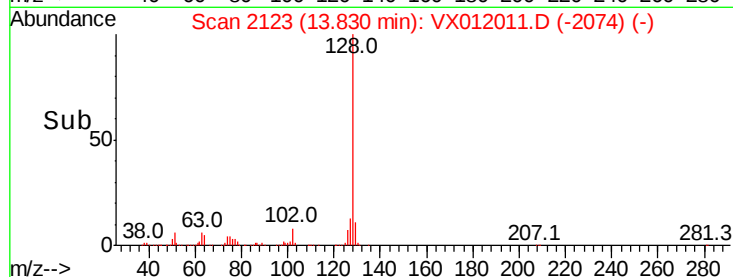
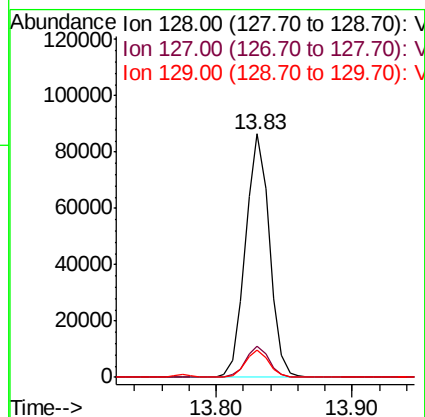
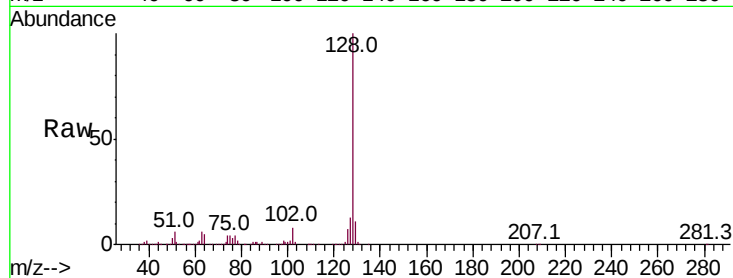
ClientSampleId :

VSTDIC010

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 106541 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.5  | 10.5  | 15.7   |
| 129       | 11.0  | 8.8   | 13.2   |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 9.543 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX012011.D

Acq: 02 Sep 2019 12:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 61251 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.2  | 47.9  | 143.6 |
| 145       | 29.8  | 14.1  | 42.4  |

