

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091720\  
 Data File : VX018457.D  
 Acq On : 17 Sep 2020 09:48  
 Operator : JC/SP  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

MMDadoda  
 9/18/2020 12:19:33 PM

Quant Time: Sep 17 12:00:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 17 11:50:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 643252   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 1012869  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 938836   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 471316   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |       |  |
|---------------------------|--------|-----|----------|------|-------|--|
| 33) 1,2-Dichloroethane-d4 | 0.00   | 65  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 35) Dibromofluoromethane  | 0.00   | 113 | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 50) Toluene-d8            | 0.00   | 98  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 62) 4-Bromofluorobenzene  | 0.00   | 95  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |

## Target Compounds

|                               |      |     |       |              | Qvalue |
|-------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 5851  | 0.779 ug/l   | 98     |
| 3) Chloromethane              | 1.31 | 50  | 7587  | 0.944 ug/l   | 90     |
| 4) Vinyl Chloride             | 1.39 | 62  | 8253  | 1.022 ug/l   | 98     |
| 6) Chloroethane               | 1.71 | 64  | 4487  | 1.024 ug/l # | 88     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 12496 | 1.117 ug/l   | 99     |
| 8) Diethyl Ether              | 2.17 | 74  | 4730  | 1.244 ug/l   | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 7008  | 1.154 ug/l   | 96     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 7066  | 1.126 ug/l   | 93     |
| 14) Allyl chloride            | 2.71 | 41  | 13469 | 1.188 ug/l   | 98     |
| 15) Acrylonitrile             | 3.11 | 53  | 18178 | 4.630 ug/l   | 84     |
| 16) Acetone                   | 2.42 | 43  | 21051 | 6.037 ug/l   | 100    |
| 17) Carbon Disulfide          | 2.55 | 76  | 21145 | 1.111 ug/l   | 98     |
| 18) Methyl Acetate            | 2.75 | 43  | 9176  | 1.089 ug/l   | 91     |
| 19) Methyl tert-butyl Ether   | 3.16 | 73  | 20963 | 0.971 ug/l   | 100    |
| 20) Methylene Chloride        | 2.84 | 84  | 9730  | 1.240 ug/l # | 82     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 8205  | 1.174 ug/l # | 77     |
| 22) Diisopropyl ether         | 3.82 | 45  | 22700 | 1.018 ug/l # | 85     |
| 23) Vinyl Acetate             | 3.78 | 43  | 96459 | 4.864 ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 14711 | 1.162 ug/l # | 96     |
| 25) 2-Butanone                | 4.64 | 43  | 26426 | 4.654 ug/l # | 87     |
| 26) 2,2-Dichloropropane       | 4.55 | 77  | 14567 | 1.381 ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96  | 9204  | 1.144 ug/l   | 95     |
| 28) Bromochloromethane        | 4.97 | 49  | 6022  | 0.981 ug/l   | 98     |
| 29) Tetrahydrofuran           | 5.10 | 42  | 15972 | 4.431 ug/l   | 92     |
| 30) Chloroform                | 5.17 | 83  | 14012 | 1.068 ug/l   | 91     |
| 32) 1,1,1-Trichloroethane     | 5.47 | 97  | 13197 | 1.090 ug/l # | 49     |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 10900 | 1.161 ug/l   | 94     |
| 37) Ethyl Acetate             | 4.79 | 43  | 10808 | 0.998 ug/l # | 84     |
| 38) Carbon Tetrachloride      | 5.75 | 117 | 10678 | 1.007 ug/l # | 94     |
| 39) Methylcyclohexane         | 7.44 | 83  | 12133 | 1.177 ug/l   | 96     |
| 40) Benzene                   | 6.10 | 78  | 30459 | 1.106 ug/l   | 98     |
| 41) Methacrylonitrile         | 5.01 | 41  | 6467  | 1.089 ug/l # | 84     |
| 42) 1,2-Dichloroethane        | 6.16 | 62  | 11714 | 1.107 ug/l   | 84     |
| 43) Isopropyl Acetate         | 6.42 | 43  | 17789 | 1.017 ug/l # | 91     |

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 VSTDIC001

Manual Integrations  
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Quant Time: Sep 17 12:00:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 17 11:50:45 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 44) Trichloroethene            | 7.19  | 130  | 9167     | 1.175  | ug/l   | 84       |
| 45) 1,2-Dichloropropane        | 7.48  | 63   | 9001     | 1.217  | ug/l   | 100      |
| 46) Dibromomethane             | 7.65  | 93   | 6225     | 1.191  | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.87  | 83   | 11130    | 1.070  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.74  | 41   | 8068     | 0.927  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 7.73  | 88   | 3234     | 21.214 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 48948    | 4.557  | ug/l   | 98       |
| 52) Toluene                    | 8.77  | 92   | 18899    | 1.087  | ug/l   | 90       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 12851    | 1.112  | ug/l   | 89       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 12681    | 1.035  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 7647     | 1.033  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 10179    | 0.923  | ug/l # | 90       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 13092    | 1.071  | ug/l # | 84       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 27076    | 5.287  | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.47  | 43   | 36796    | 4.510  | ug/l   | 94       |
| 60) Dibromochloromethane       | 9.56  | 129  | 9101     | 1.046  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 8104     | 1.009  | ug/l   | 90       |
| 64) Tetrachloroethene          | 9.32  | 164  | 8938     | 1.289  | ug/l   | 94       |
| 65) Chlorobenzene              | 10.12 | 112  | 20587    | 1.096  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 8576     | 1.156  | ug/l # | 65       |
| 67) Ethyl Benzene              | 10.23 | 91   | 33501    | 1.045  | ug/l   | 95       |
| 68) m/p-Xylenes                | 10.34 | 106  | 26109    | 2.189  | ug/l   | 91       |
| 69) o-Xylene                   | 10.68 | 106  | 11970    | 1.033  | ug/l   | 95       |
| 70) Styrene                    | 10.70 | 104  | 19469    | 0.984  | ug/l   | 97       |
| 71) Bromoform                  | 10.84 | 173  | 6945     | 1.098  | ug/l # | 88       |
| 73) Isopropylbenzene           | 11.00 | 105  | 30856    | 0.996  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.88 | 43   | 13951    | 0.959  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 10979    | 1.007  | ug/l   | 90       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 10876m   | 1.045  | ug/l   |          |
| 77) Bromobenzene               | 11.24 | 156  | 9444     | 1.099  | ug/l   | 97       |
| 78) n-propylbenzene            | 11.34 | 91   | 35657    | 1.007  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 22708    | 1.042  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 24663    | 0.965  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 25408    | 0.980  | ug/l   | 91       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 25072    | 0.992  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 25176    | 0.963  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 28911    | 1.003  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 25789    | 0.973  | ug/l   | 87       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 16273    | 1.073  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 18492m   | 1.217  | ug/l   |          |
| 89) n-Butylbenzene             | 12.37 | 91   | 26589    | 1.093  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.59 | 117  | 6209     | 1.192  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 15810    | 1.115  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 2554     | 0.935  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 10660    | 1.122  | ug/l   | 91       |
| 94) Hexachlorobutadiene        | 13.77 | 225  | 4507     | 1.183  | ug/l   | 87       |
| 95) Naphthalene                | 13.82 | 128  | 27168    | 0.874  | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 10101    | 1.072  | ug/l   | 94       |

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Operator : JC/SP  
Sample : VSTDICC001  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Manual Integrations  
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Quant Time: Sep 17 12:00:53 2020  
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Quant Title : SW846 8260  
QLast Update : Thu Sep 17 11:50:45 2020  
Response via : Initial Calibration

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

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

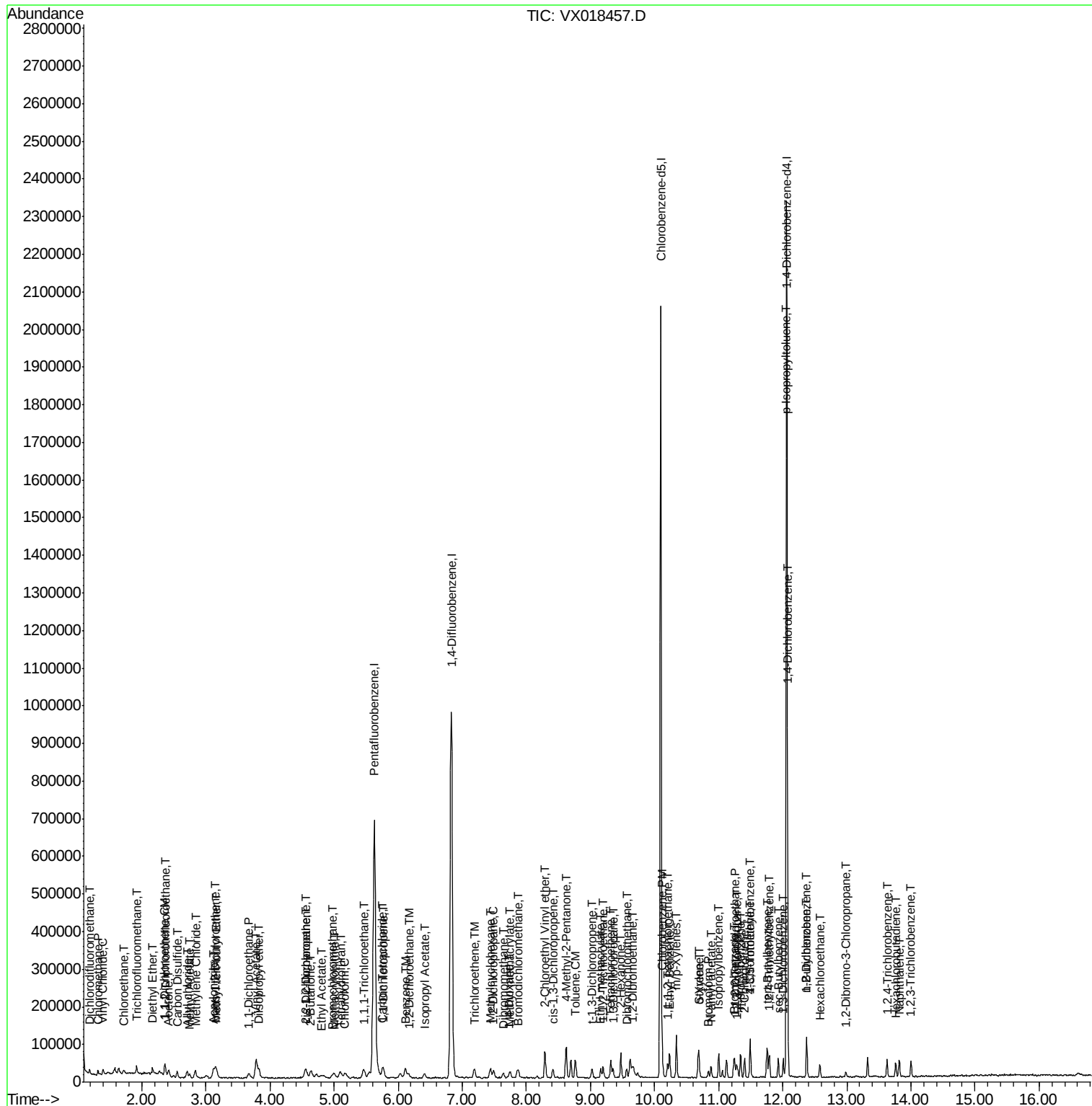
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Data File : VX018457.D  
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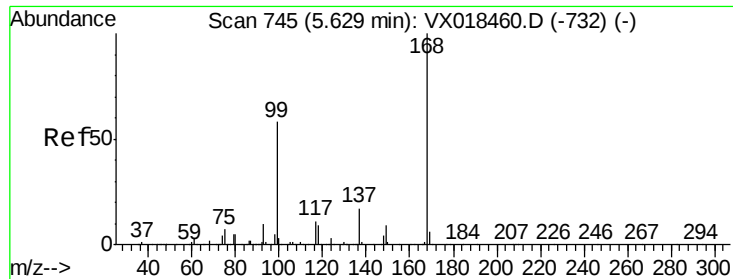
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Manual Integrations  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 643252

Ion Ratio Lower Upper

168 100

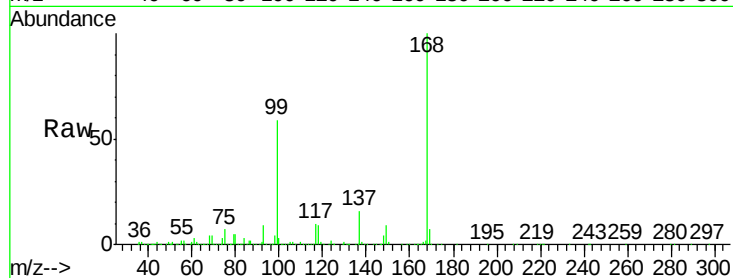
99 59.0 46.5 69.7

Manual Integrations

APPROVED

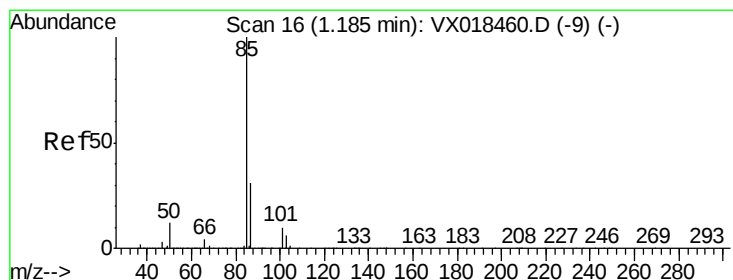
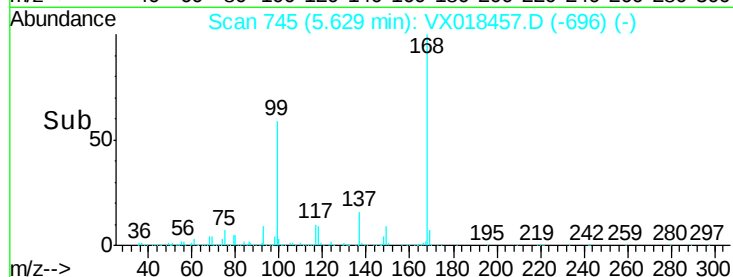
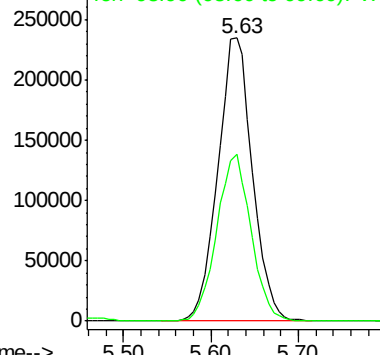
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.779 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018457.D

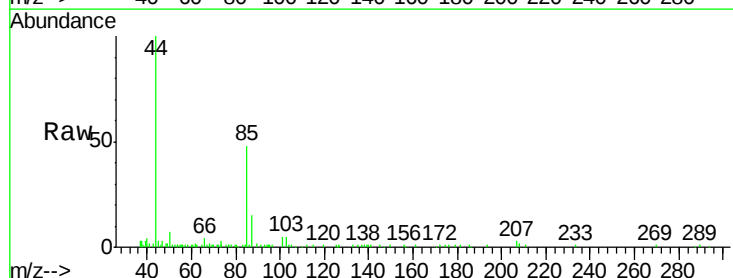
Acq: 17 Sep 2020 09:48

Tgt Ion: 85 Resp: 5851

Ion Ratio Lower Upper

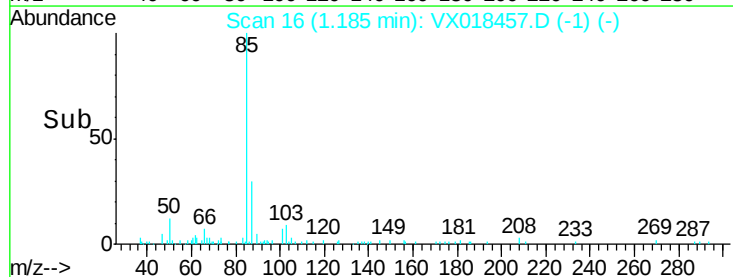
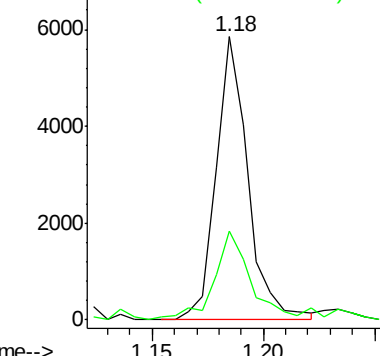
85 100

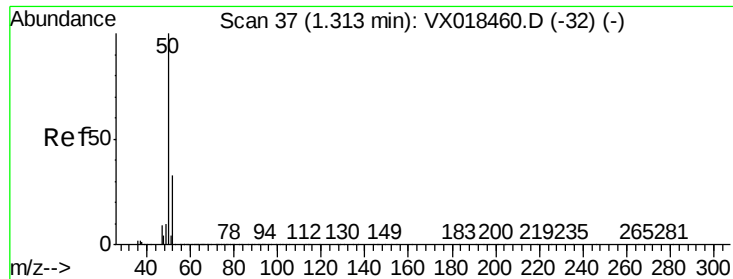
87 30.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.944 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 7587

Ion Ratio Lower Upper

50 100

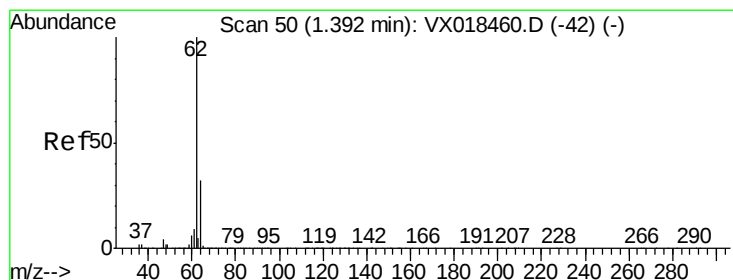
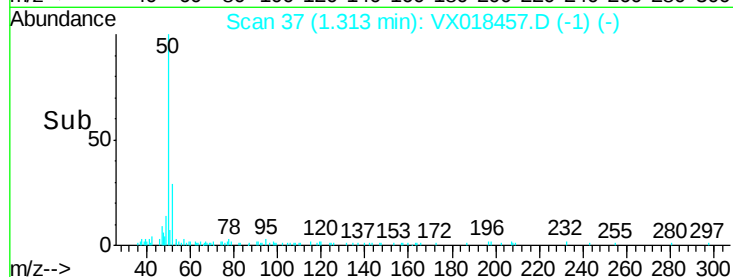
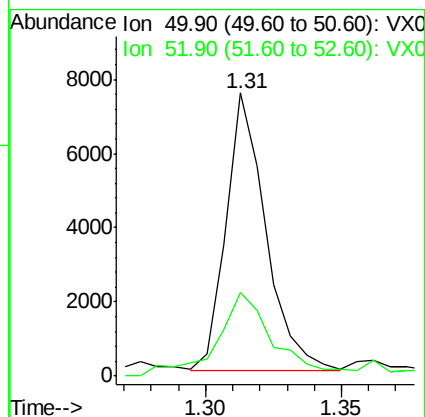
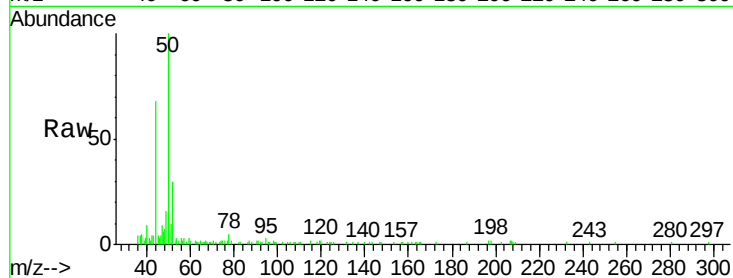
52 27.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.022 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018457.D

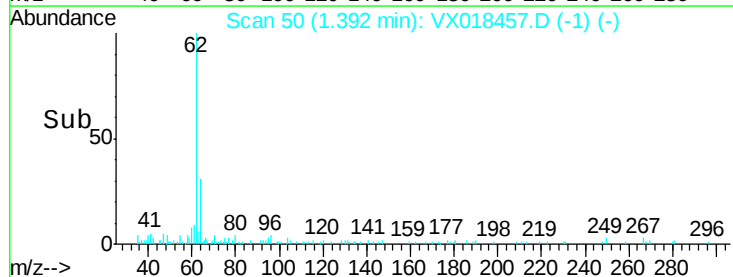
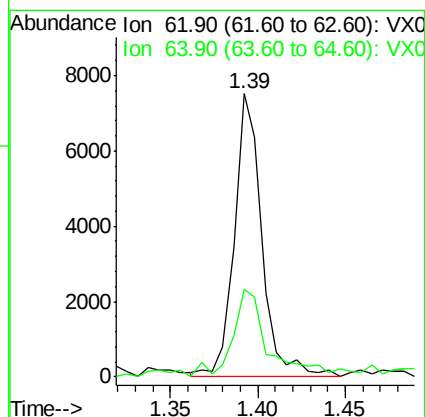
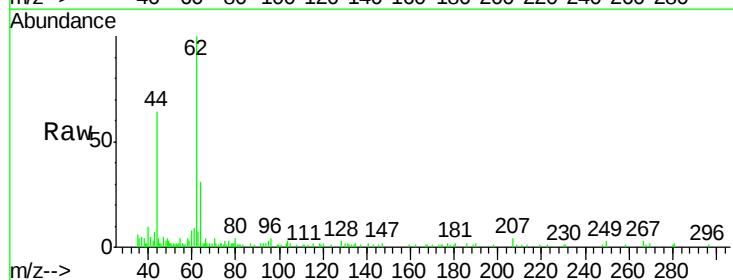
Acq: 17 Sep 2020 09:48

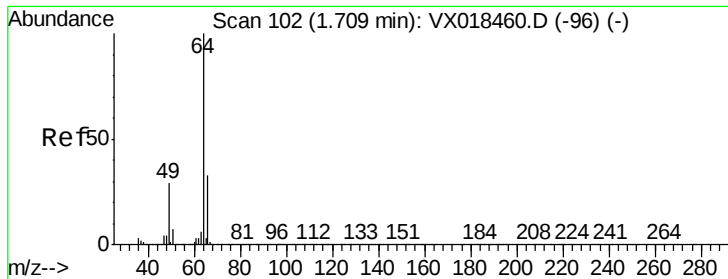
Tgt Ion: 62 Resp: 8253

Ion Ratio Lower Upper

62 100

64 31.0 25.7 38.5





#6

Chloroethane

Concen: 1.024 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 4487

Ion Ratio Lower Upper

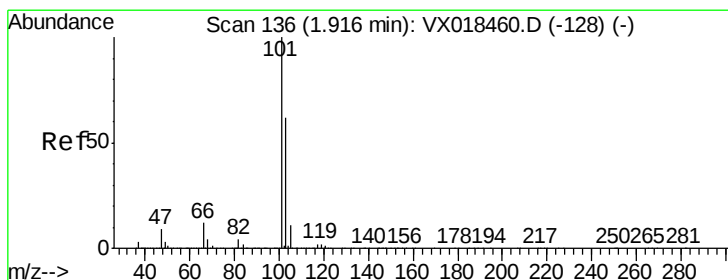
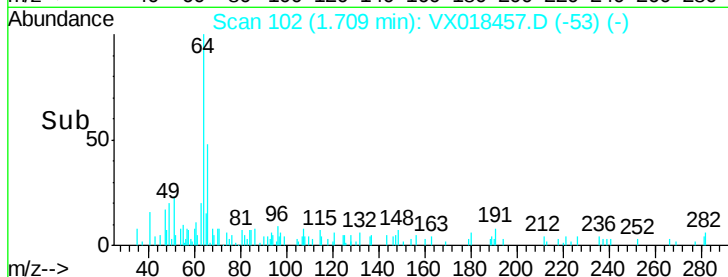
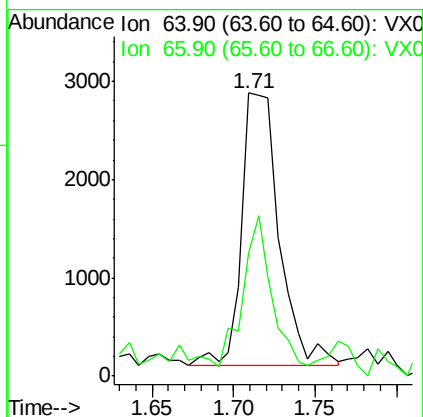
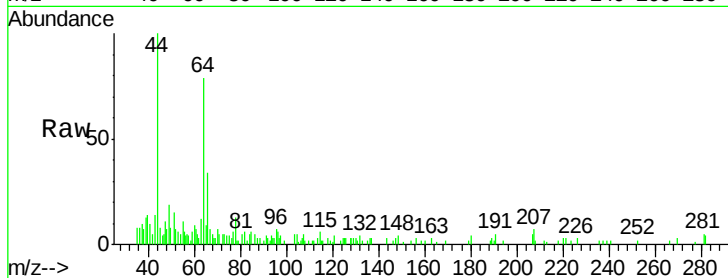
64 100

66 39.5 26.2 39.4#

Manual Integrations  
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#7

Trichlorofluoromethane

Concen: 1.117 ug/l

RT: 1.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX018457.D

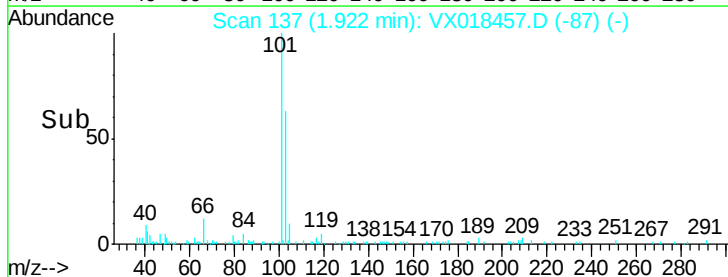
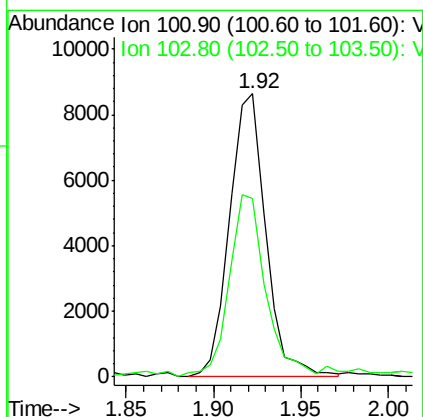
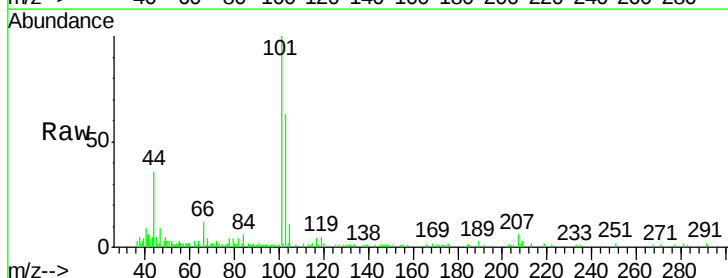
Acq: 17 Sep 2020 09:48

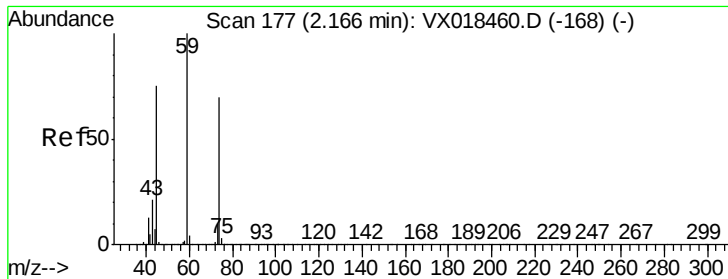
Tgt Ion: 101 Resp: 12496

Ion Ratio Lower Upper

101 100

103 61.4 49.6 74.4





#8

Diethyl Ether

Concen: 1.244 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 4730

Ion Ratio Lower Upper

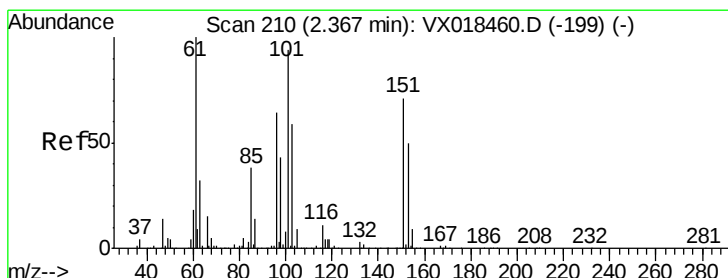
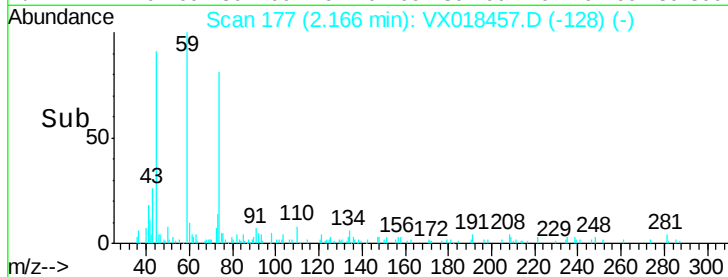
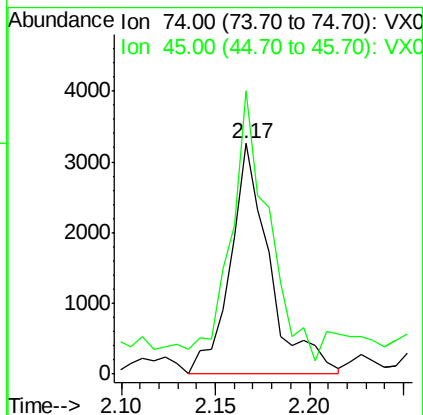
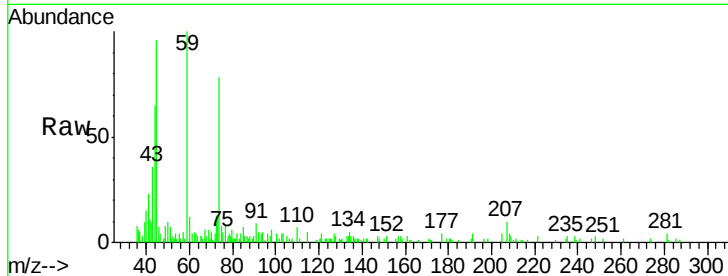
74 100

45 113.0 50.7 152.1

Manual Integrations  
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#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.154 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

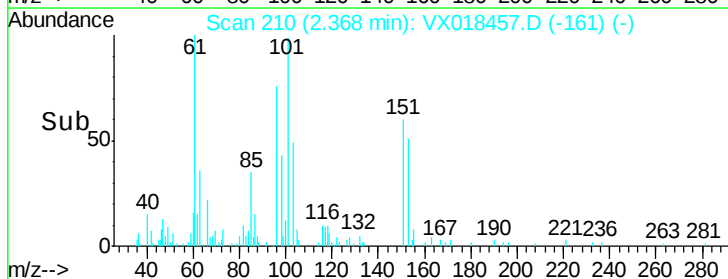
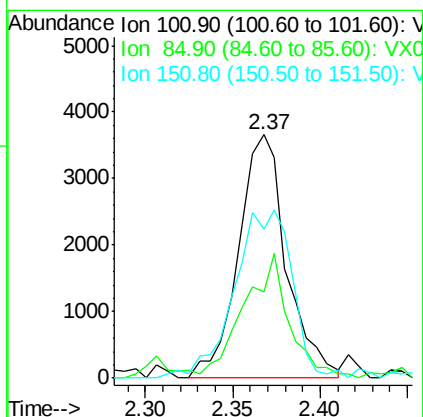
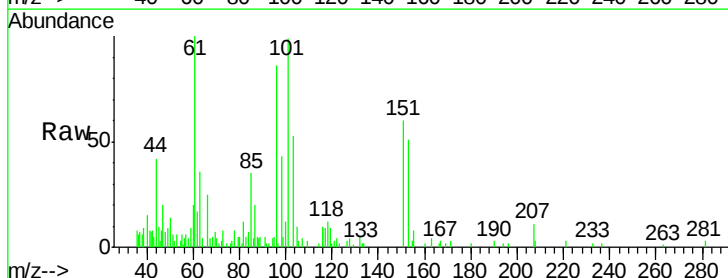
Tgt Ion: 101 Resp: 7008

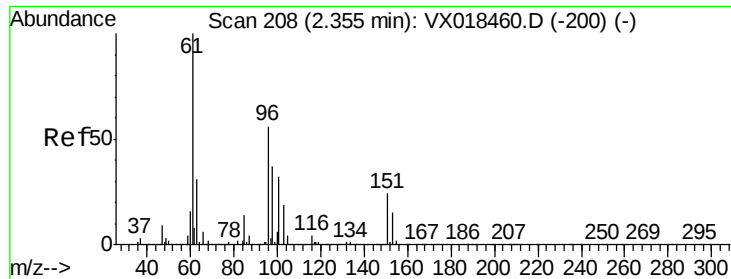
Ion Ratio Lower Upper

101 100

85 48.1 34.7 52.1

151 82.8 64.9 97.3





#12

1,1-Dichloroethene

Concen: 1.126 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

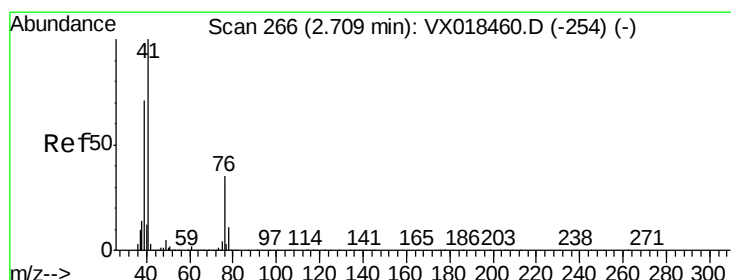
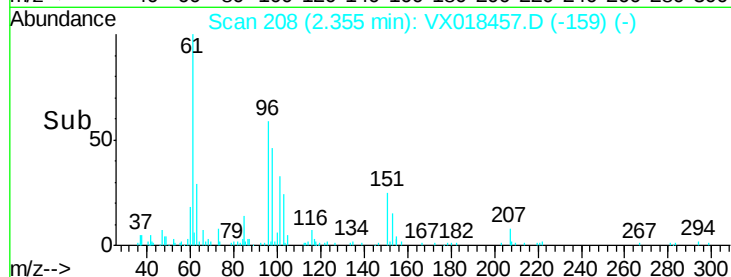
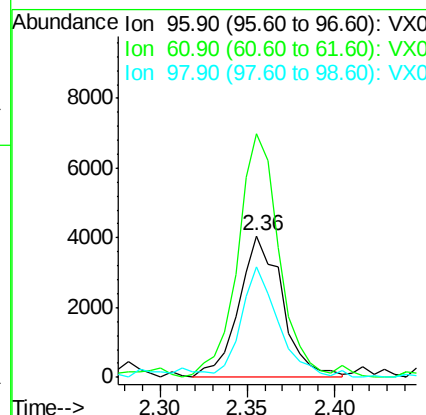
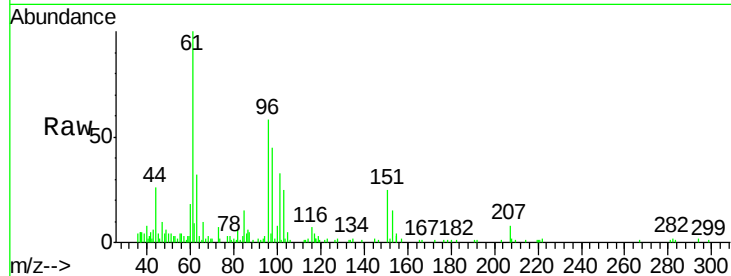
ClientSampleId :

VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 7066  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 169.5 | 142.2 | 213.4 |
| 98       | 74.1  | 52.4  | 78.6  |

Manual Integrations  
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#14

Allyl chloride

Concen: 1.188 ug/l

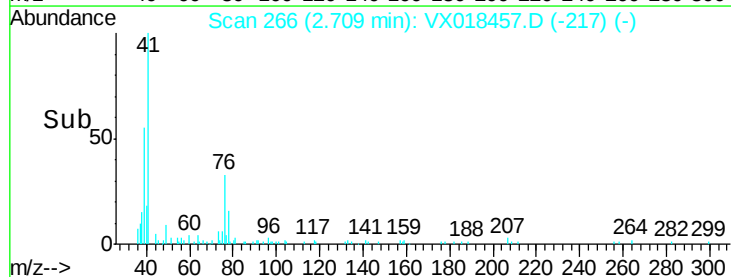
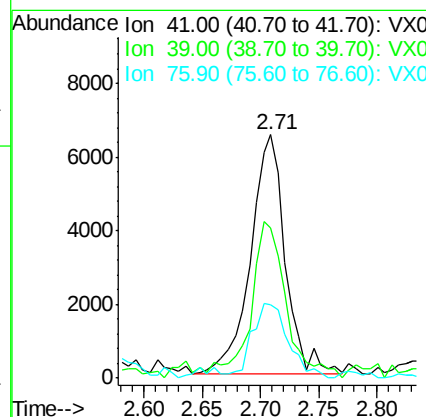
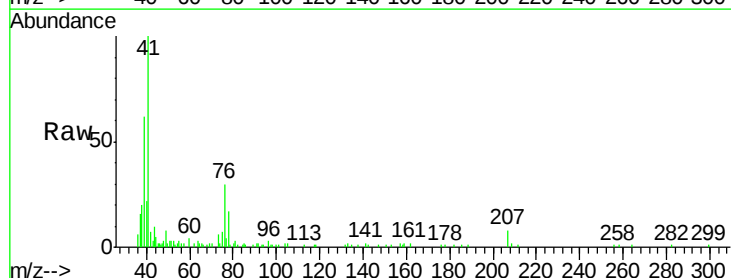
RT: 2.71 min Scan# 266

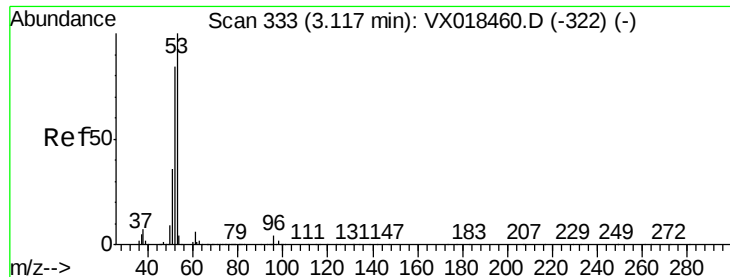
Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 13469 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 66.6  | 51.1  | 76.7  |
| 76       | 32.6  | 26.0  | 39.0  |





#15

Acrylonitrile

Concen: 4.630 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

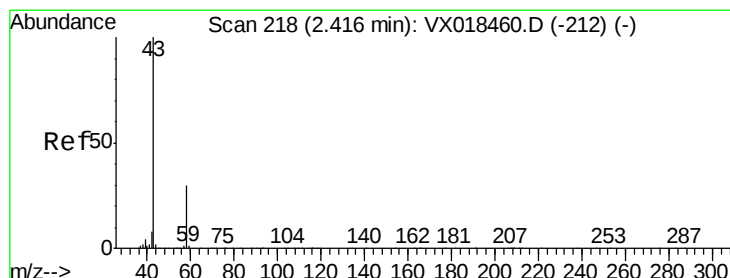
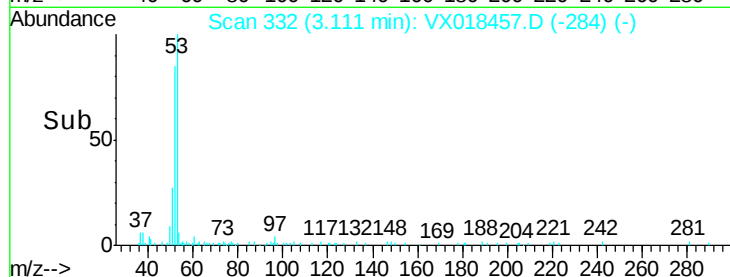
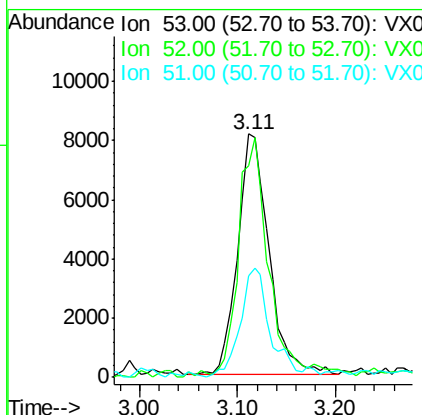
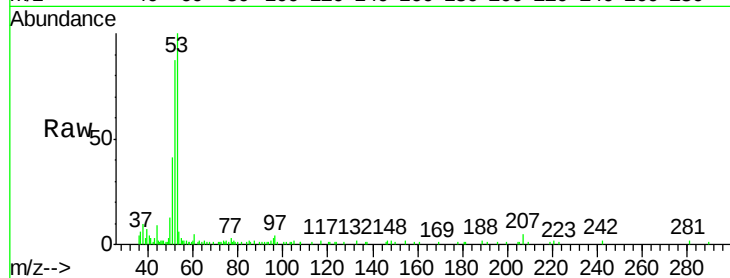
ClientSampleId :

VSTDIC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 53    | Resp: | 18178 |
| Ion Ratio | Lower | Upper |       |
| 53        | 100   |       |       |
| 52        | 98.7  | 65.8  | 98.8  |
| 51        | 42.6  | 29.2  | 43.8  |

Manual Integrations  
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#16

Acetone

Concen: 6.037 ug/l

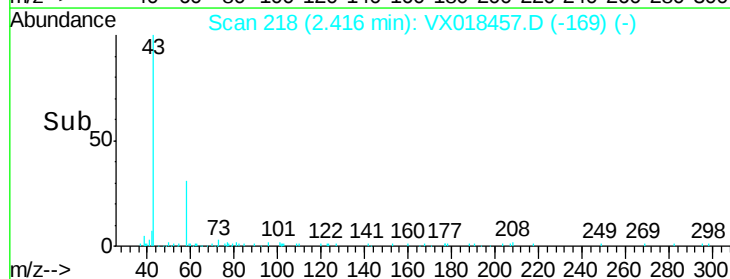
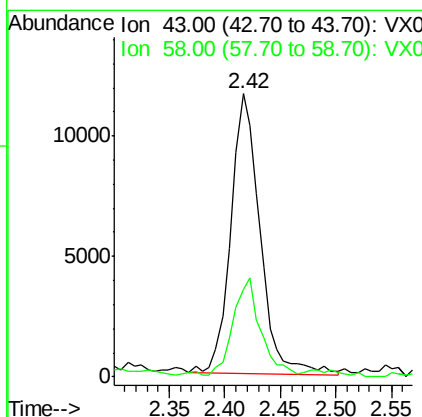
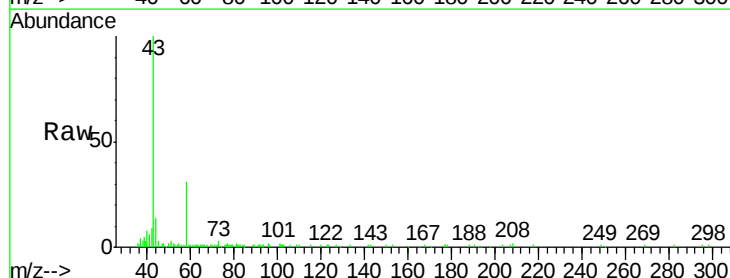
RT: 2.42 min Scan# 218

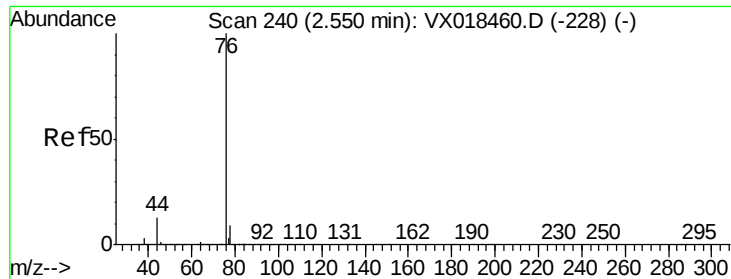
Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 21051 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 30.2  | 24.0  | 36.0  |





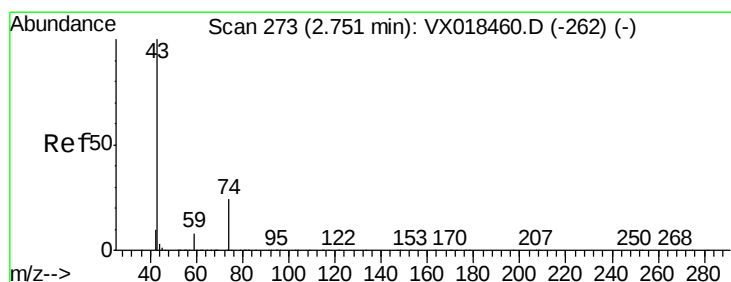
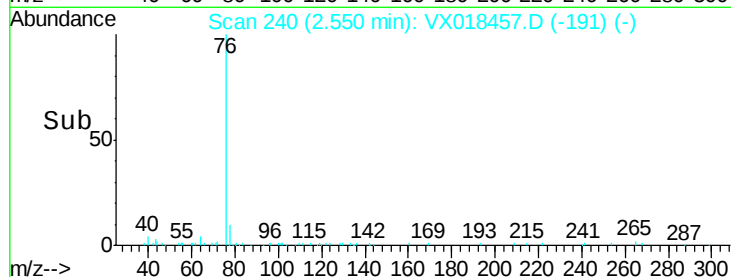
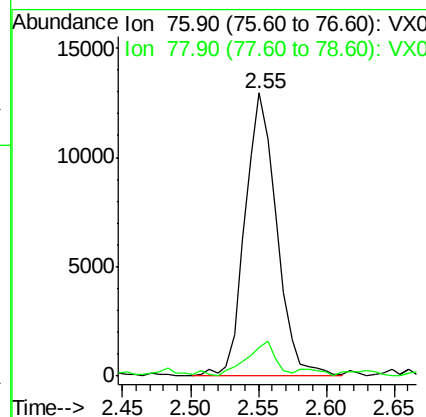
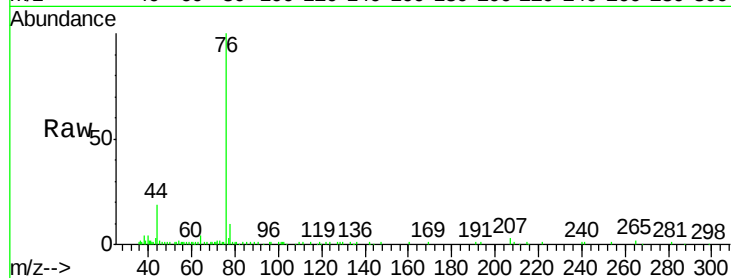
#17  
Carbon Disulfide  
Concen: 1.111 ug/l  
RT: 2.55 min Scan# 240  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.4   | 7.0   | 10.4  |

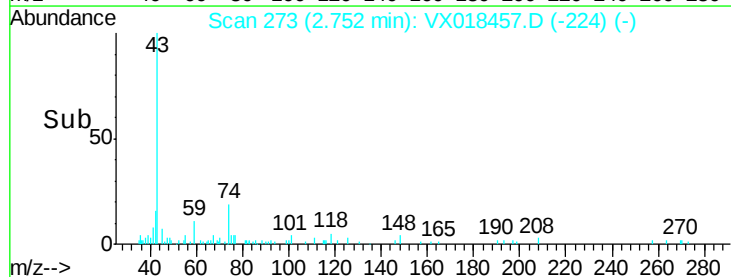
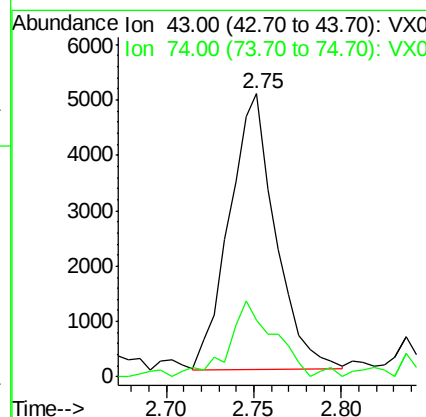
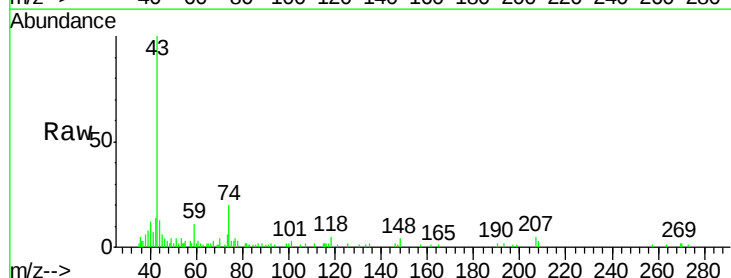
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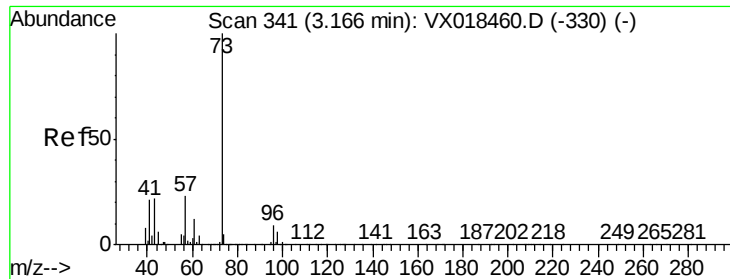
MMDadoda  
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#18  
Methyl Acetate  
Concen: 1.089 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 27.2  | 18.3  | 27.5  |





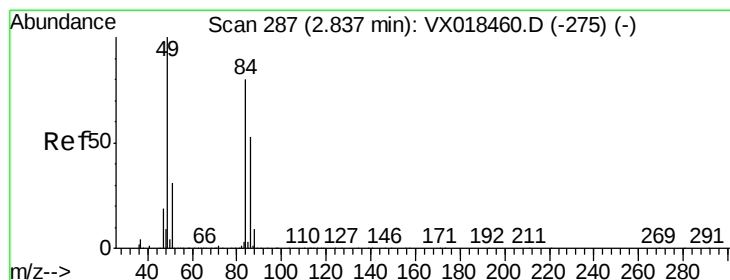
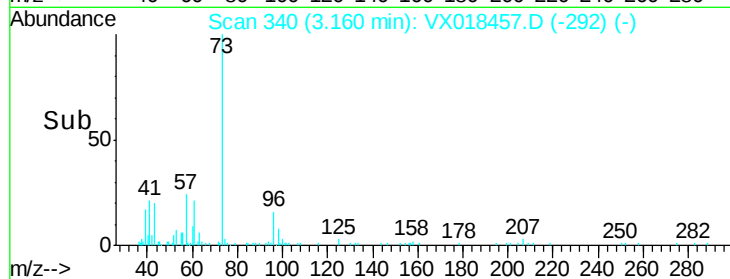
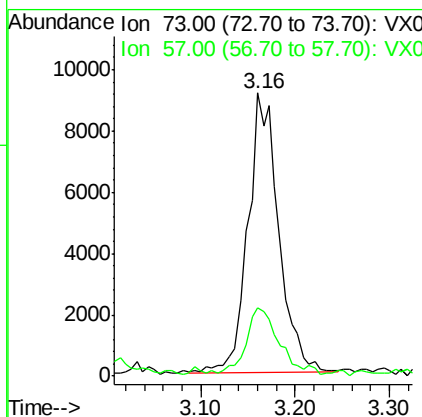
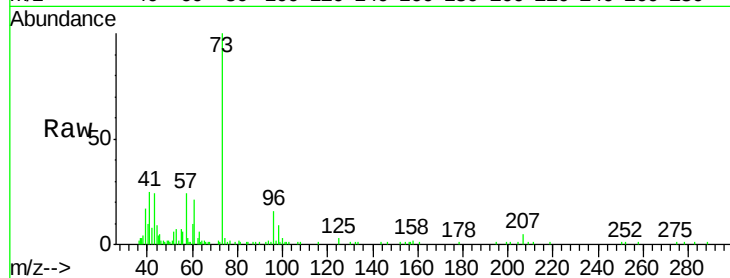
#19  
Methvl tert-butvl Ether  
Concen: 0.971 ug/l  
RT: 3.16 min Scan# 340  
Delta R.T. -0.01 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tot Ion: 73 Resp: 20963  
Ion Ratio Lower Upper  
73 100  
57 22.3 18.0 27.0

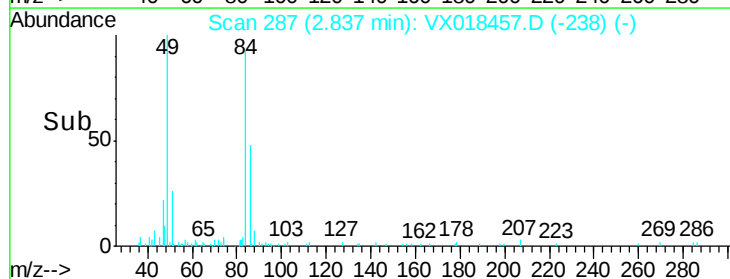
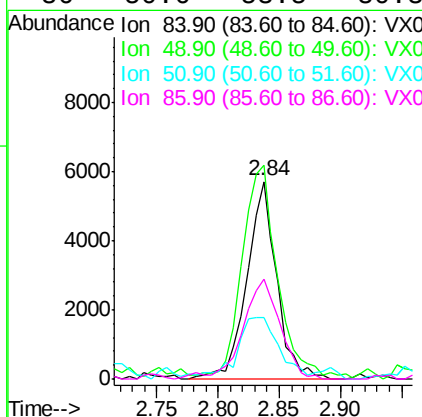
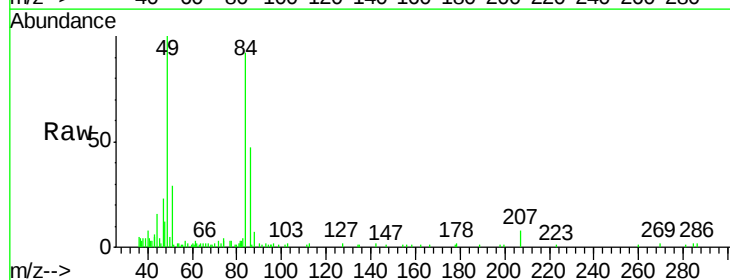
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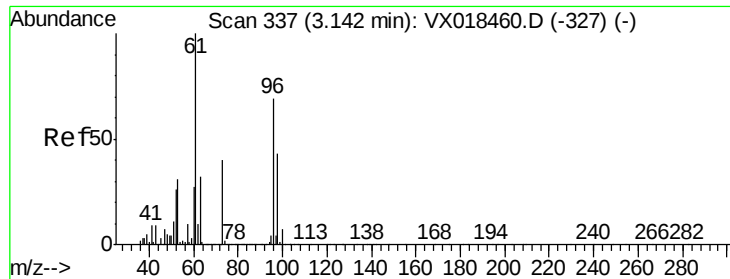
MMDadoda  
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#20  
Methylene Chloride  
Concen: 1.240 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Tgt Ion: 84 Resp: 9730  
Ion Ratio Lower Upper  
84 100  
49 105.9 100.6 151.0  
51 28.8 30.9 46.3#  
86 50.6 53.5 80.3#





#21

trans-1,2-Dichloroethene

Concen: 1.174 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

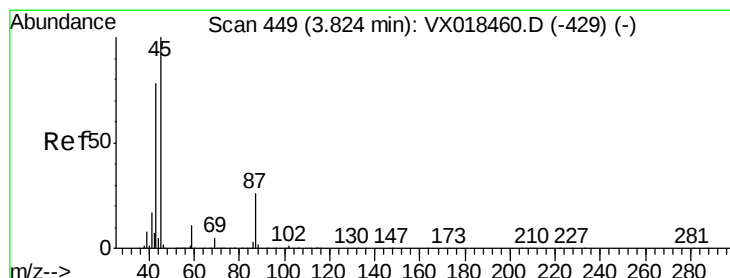
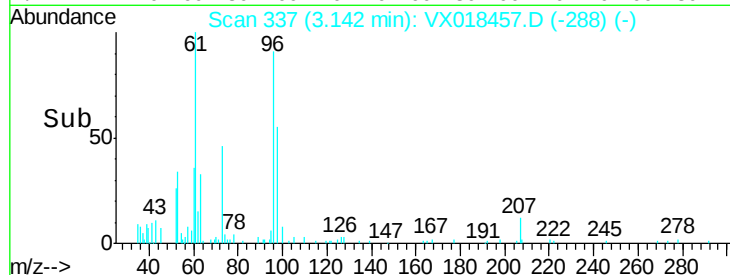
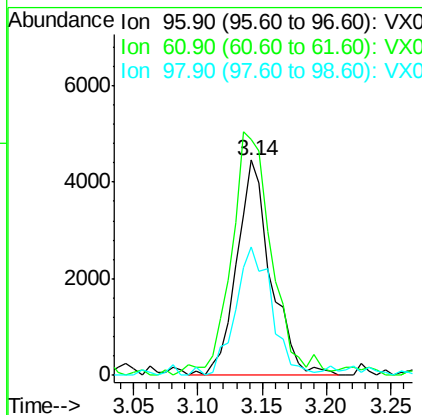
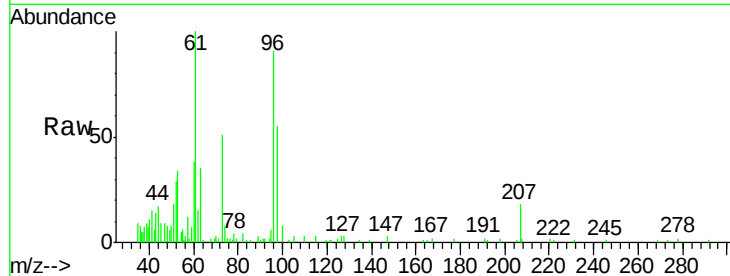
ClientSampleId :

VSTDIC001

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 8205   |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 107.3 | 115.6 | 173.4# |
| 98       | 57.9  | 50.2  | 75.4   |

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#22

Diisopropyl ether

Concen: 1.018 ug/l

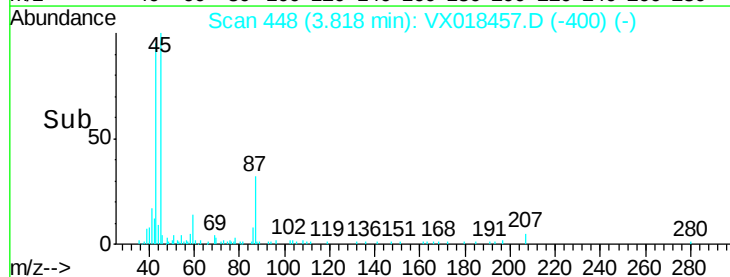
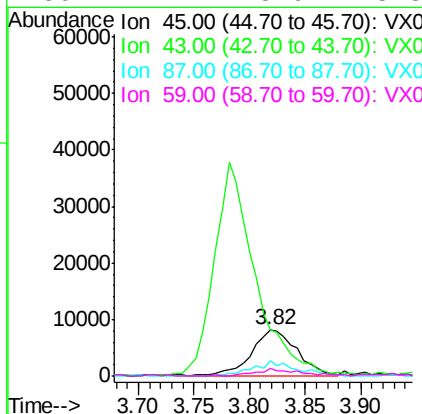
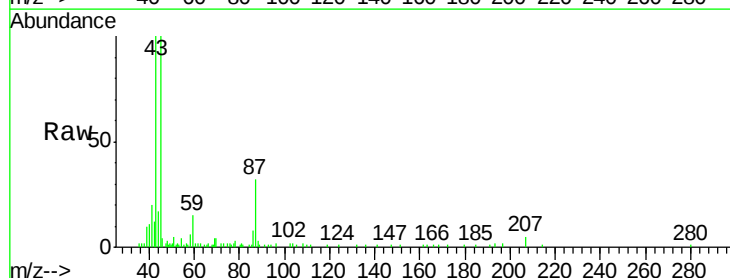
RT: 3.82 min Scan# 448

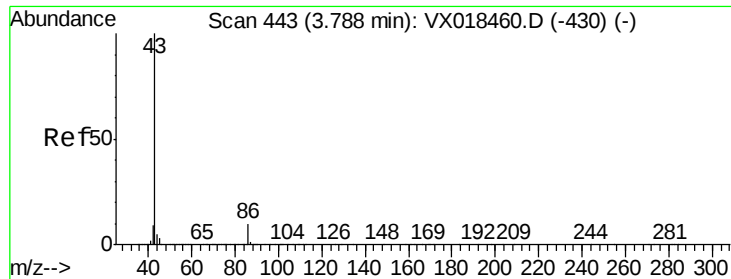
Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 22700 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 93.9  | 62.4  | 93.6# |
| 87       | 31.7  | 21.2  | 31.8  |
| 59       | 14.2  | 8.9   | 13.3# |





#23

Vinyl Acetate

Concen: 4.864 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 96459

Ion Ratio Lower Upper

43 100

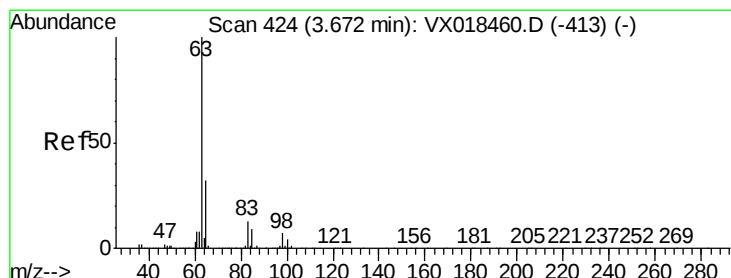
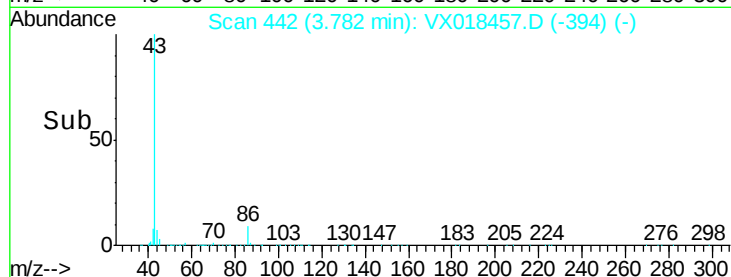
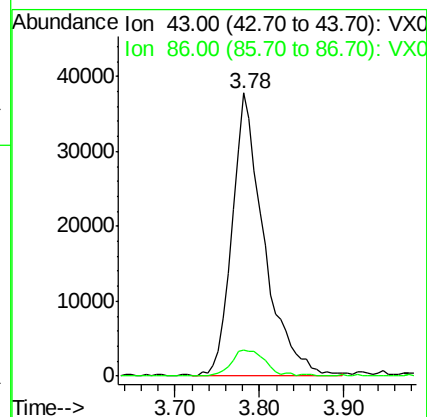
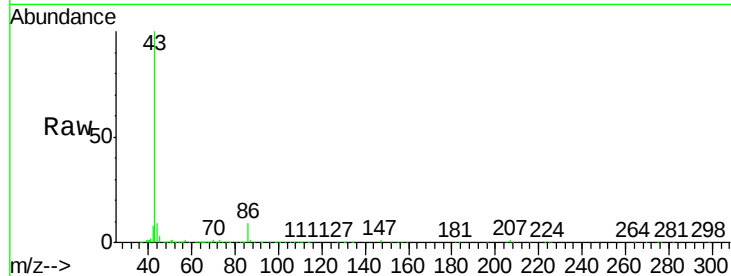
86 9.4 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 1.162 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

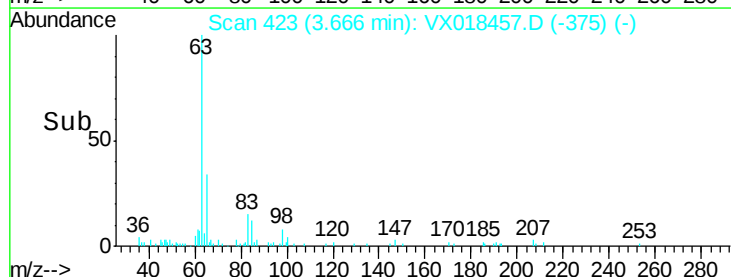
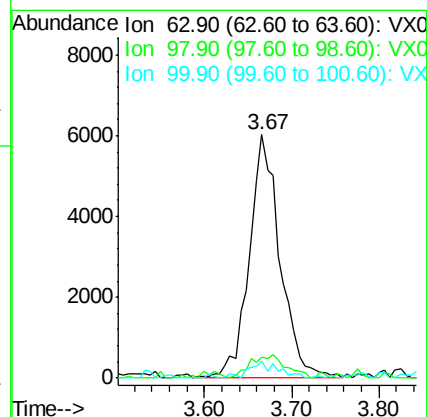
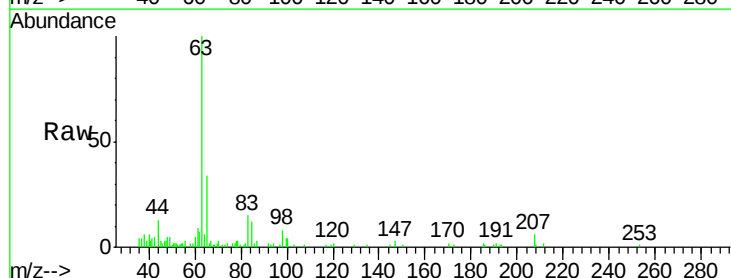
Tgt Ion: 63 Resp: 14711

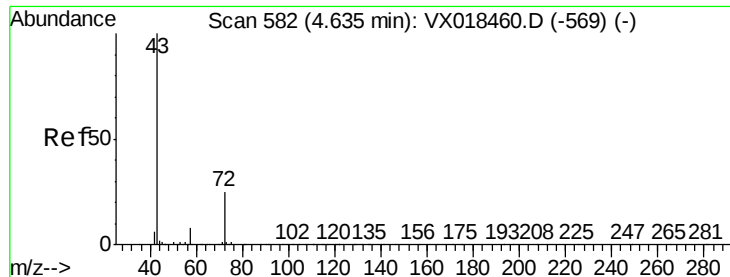
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.6

100 7.2 1.9 5.7#





#25

2-Butanone

Concen: 4.654 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 26426

Ion Ratio Lower Upper

43 100

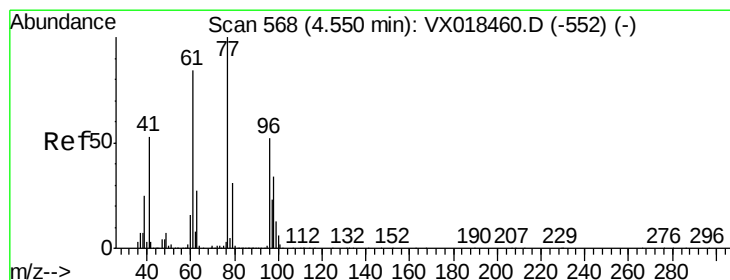
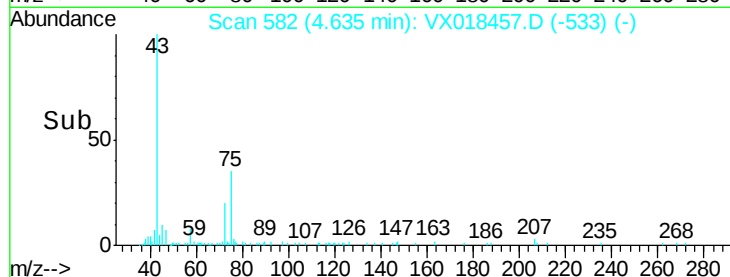
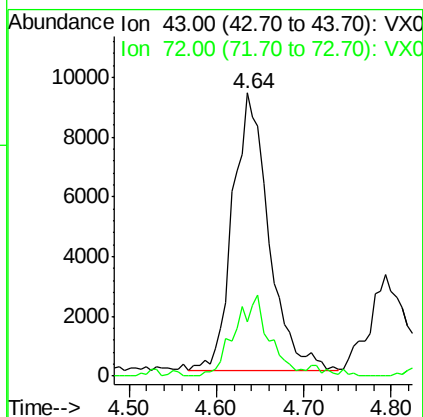
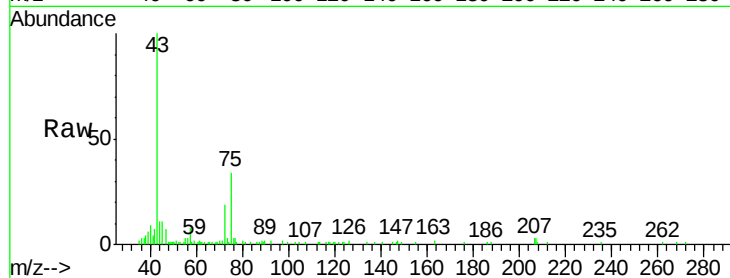
72 18.9 20.2 30.4#

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#26

2,2-Dichloropropane

Concen: 1.381 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX018457.D

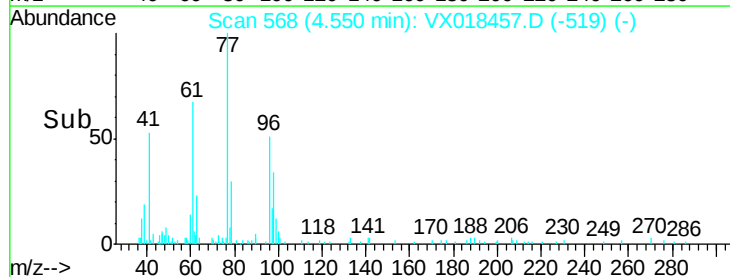
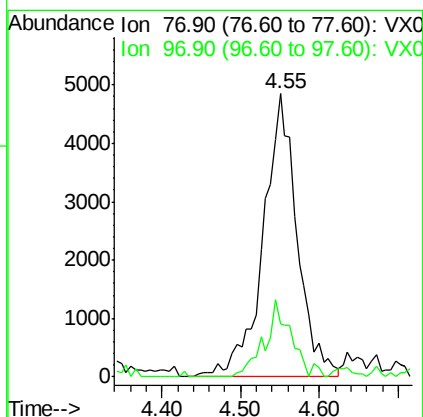
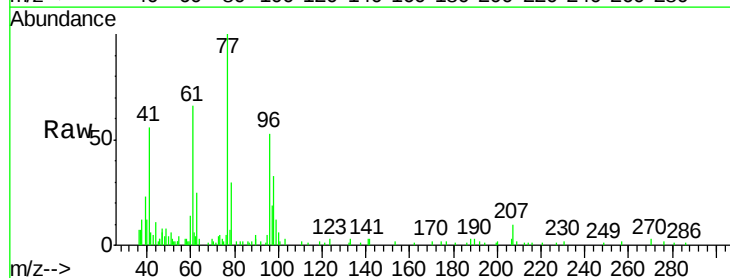
Acq: 17 Sep 2020 09:48

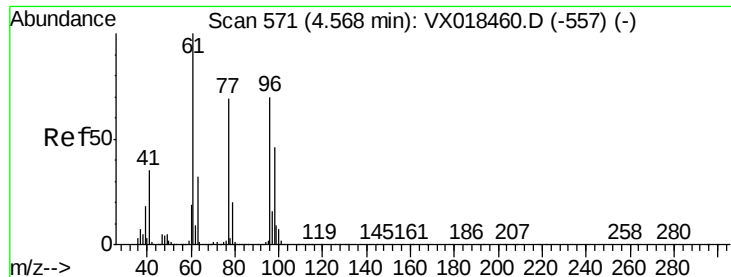
Tgt Ion: 77 Resp: 14567

Ion Ratio Lower Upper

77 100

97 20.4 11.2 33.5





#27

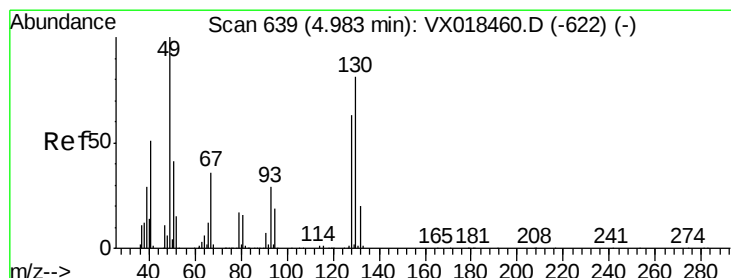
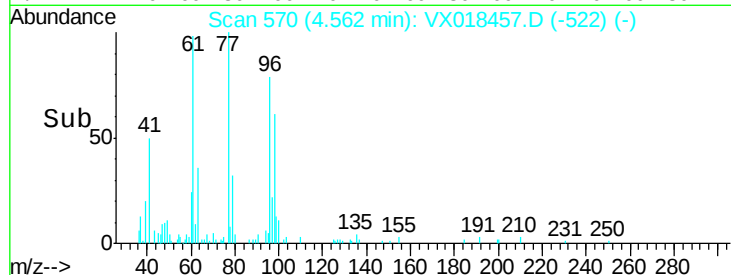
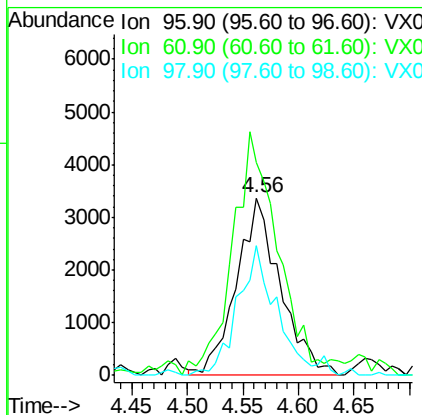
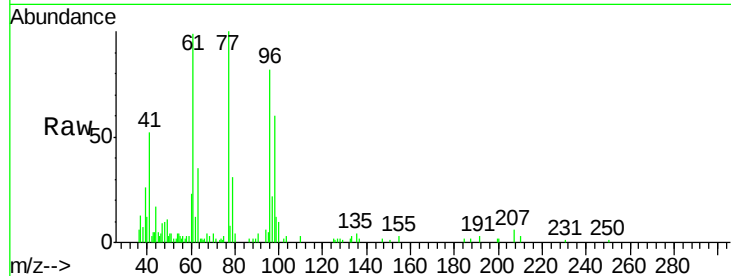
cis-1,2-Dichloroethene  
Concen: 1.144 ug/l  
RT: 4.56 min Scan# 570  
Delta R.T. -0.01 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 141.5 | 0.0   | 300.0 |
| 98      | 63.5  | 0.0   | 130.4 |

Manual Integrations  
APPROVED

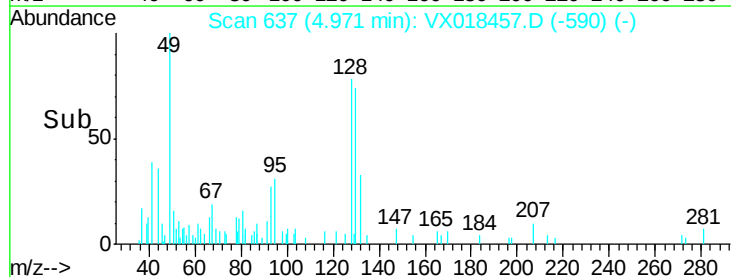
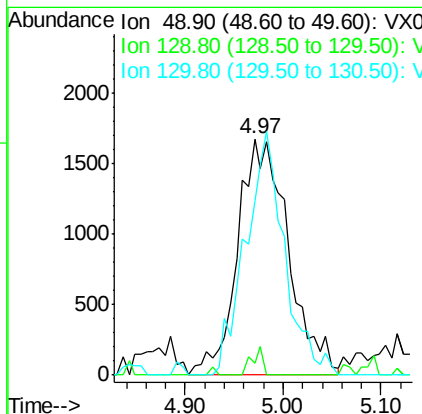
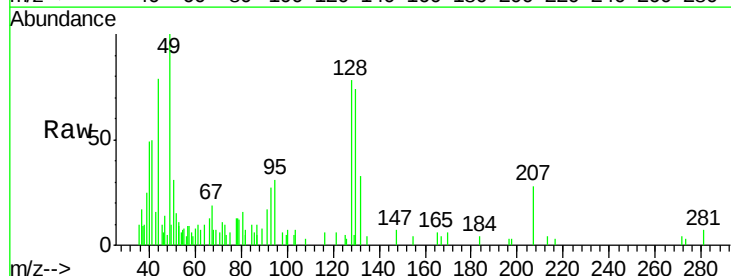
MMDadoda  
9/18/2020 12:19:33 PM

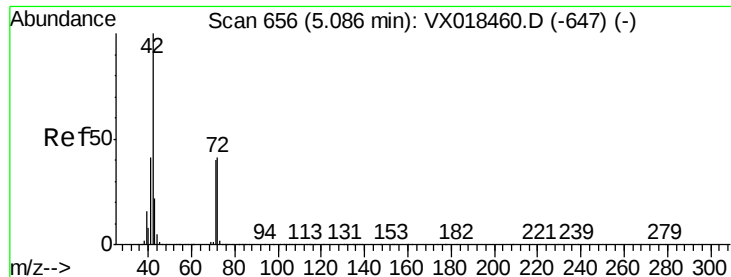


#28

Bromochloromethane  
Concen: 0.981 ug/l  
RT: 4.97 min Scan# 637  
Delta R.T. -0.01 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.5   | 0.0   | 4.6   |
| 130     | 79.4  | 65.0  | 97.4  |





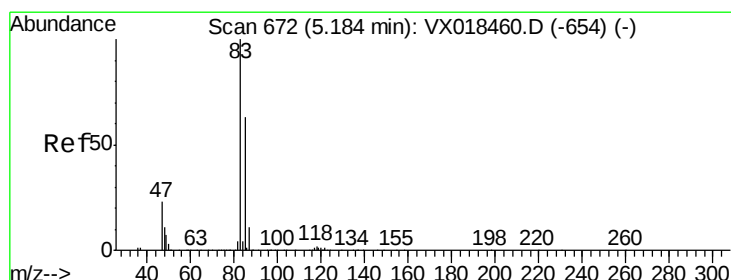
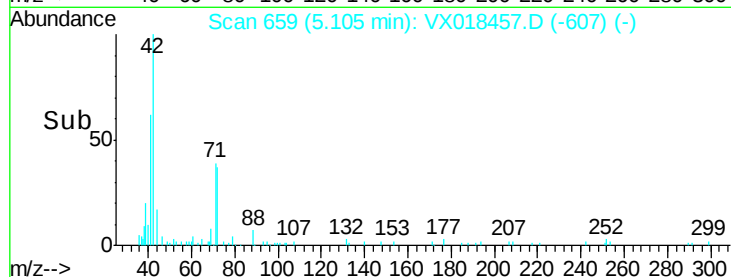
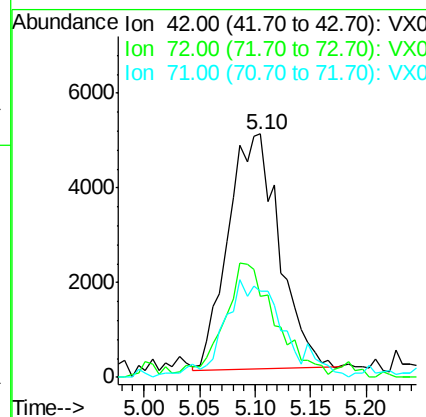
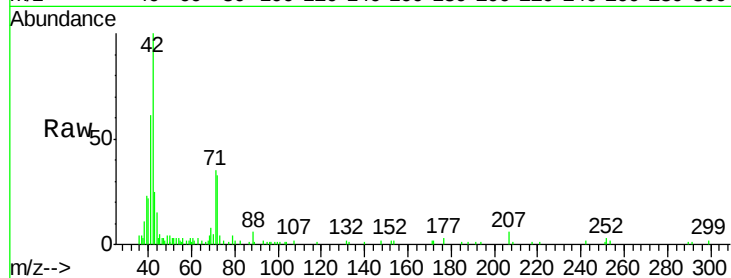
#29  
Tetrahydrofuran  
Concen: 4.431 ug/l  
RT: 5.10 min Scan# 659  
Delta R.T. 0.02 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 48.9  | 34.3  | 51.5  |
| 71      | 43.5  | 32.1  | 48.1  |

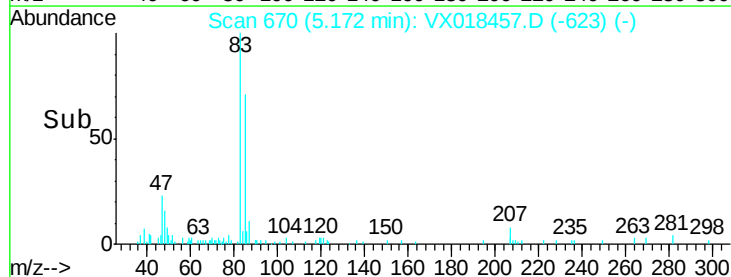
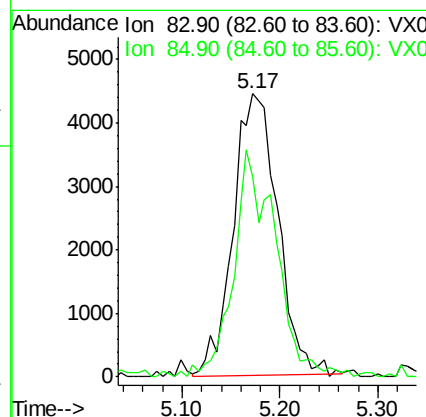
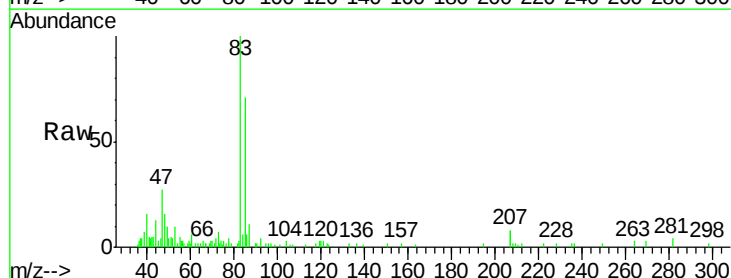
Manual Integrations  
APPROVED

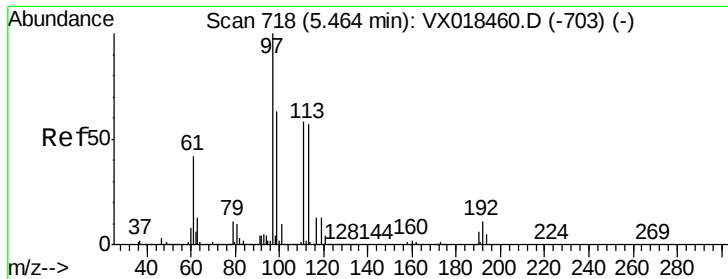
MMDadoda  
9/18/2020 12:19:33 PM



#30  
Chloroform  
Concen: 1.068 ug/l  
RT: 5.17 min Scan# 670  
Delta R.T. -0.01 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 70.3  | 50.6  | 76.0  |





#32

1,1,1-Trichloroethane

Concen: 1.090 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

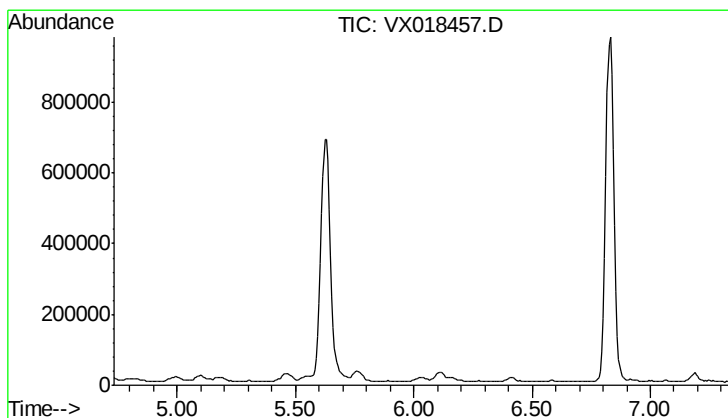
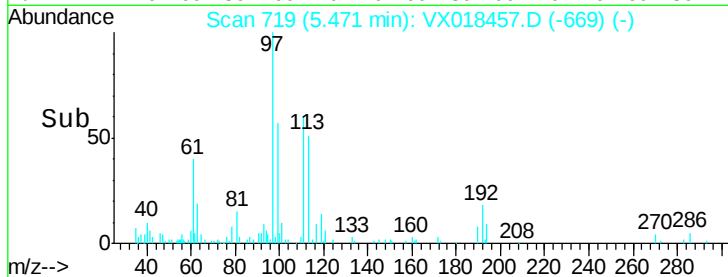
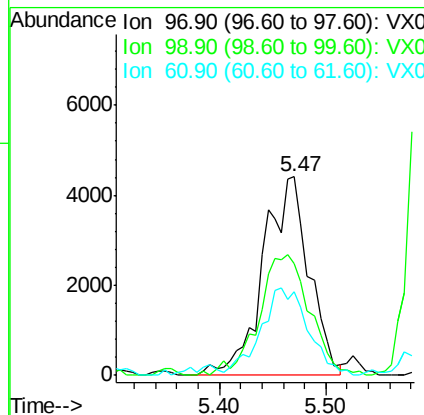
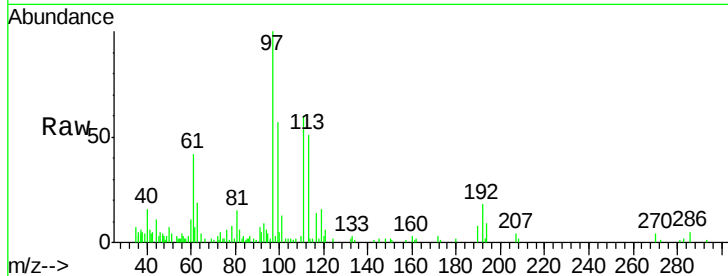
ClientSampleId :

VSTDIC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 97    | Resp: | 13197 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 0.0   | 50.5  | 75.7# |
| 61        | 45.8  | 33.4  | 50.2  |

Manual Integrations  
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MMDadoda  
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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.03 min

Lab File: VX018457.D

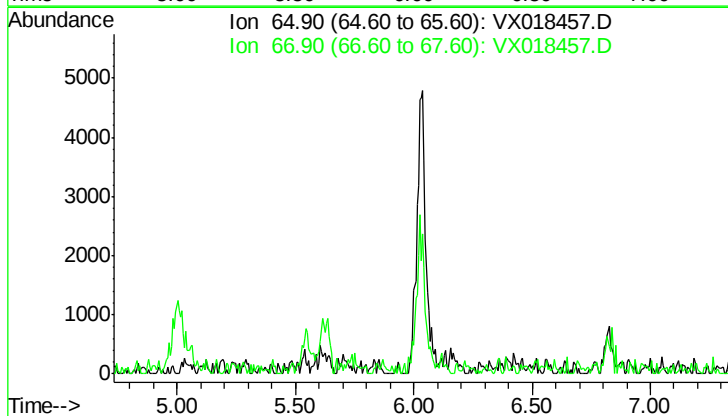
Acq: 17 Sep 2020 09:48

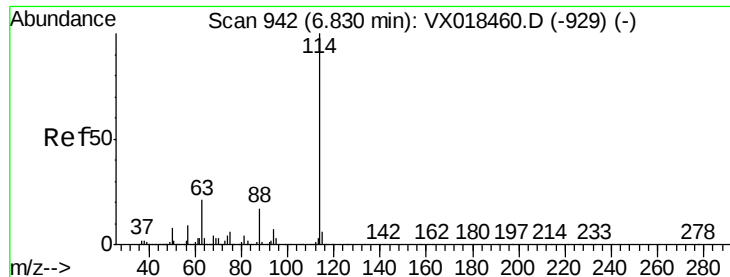
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion:114 Resp: 1012869

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

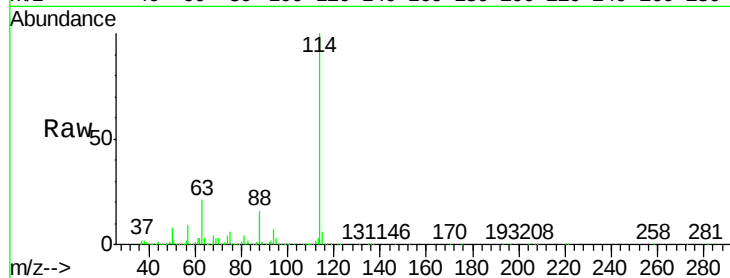
88 16.3 0.0 33.6

Manual Integrations

APPROVED

MMDadoda

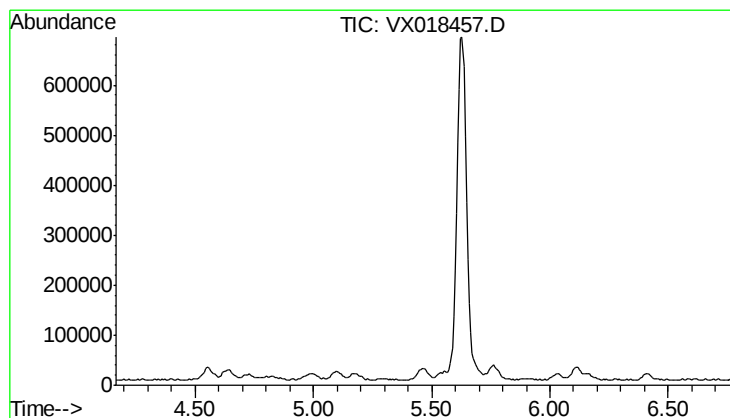
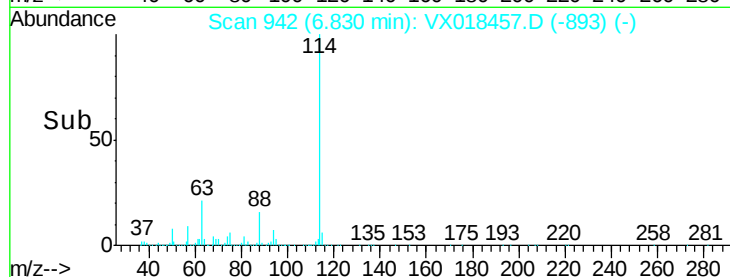
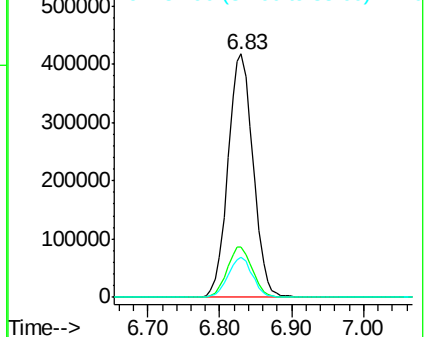
9/18/2020 12:19:33 PM



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



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.46 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

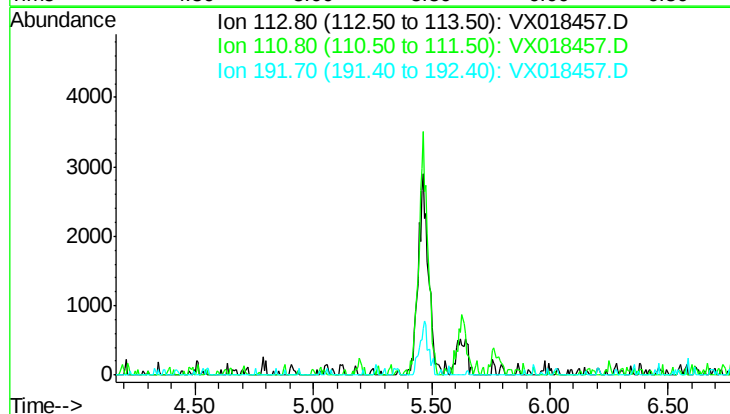
Tgt Ion: 113

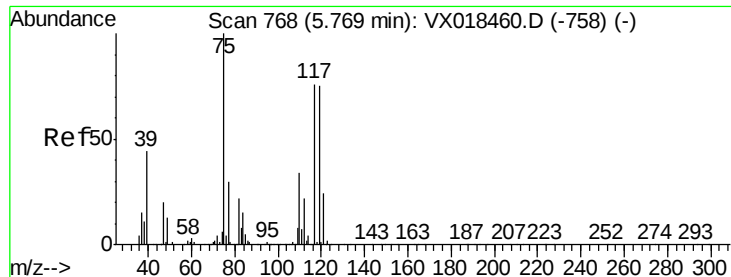
Sig Exp Ratio

113 100

111 101.8

192 20.7





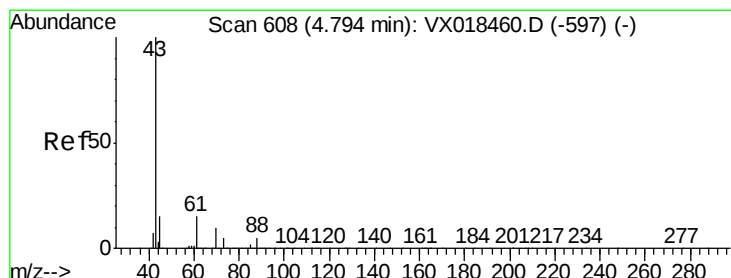
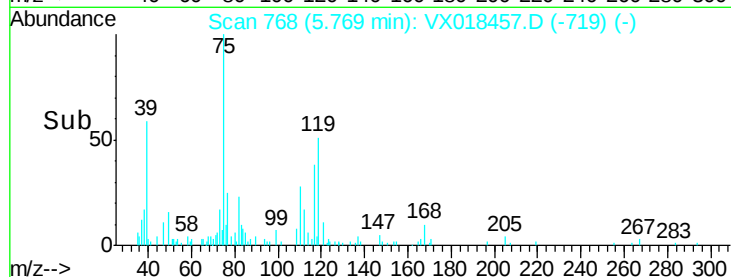
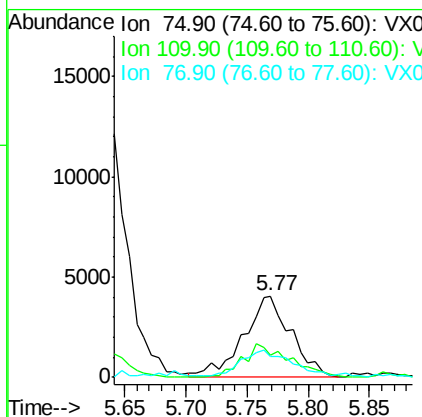
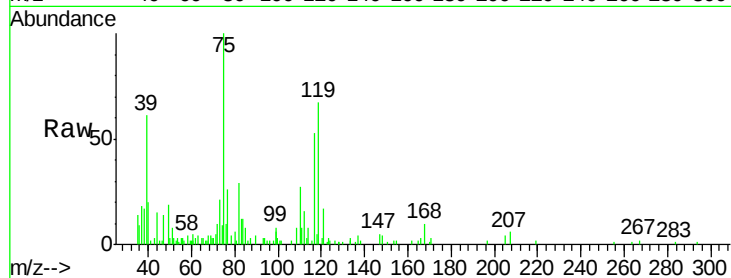
#36  
 1,1-Dichloropropene  
 Concen: 1.161 ug/l  
 RT: 5.77 min Scan# 768  
 Delta R.T. 0.00 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 41.0  | 17.6  | 52.8  |
| 77      | 31.8  | 25.0  | 37.6  |

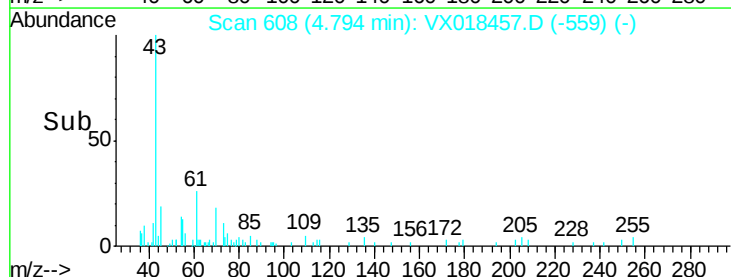
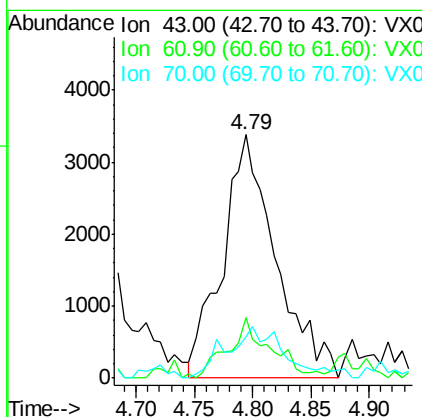
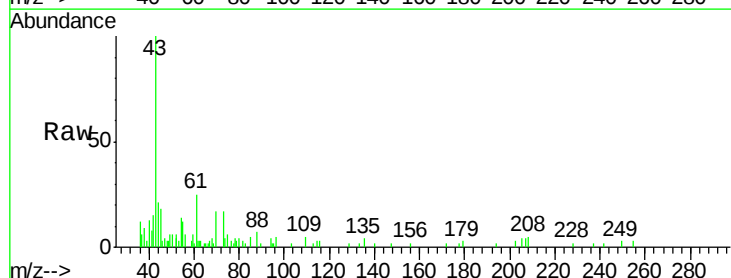
Manual Integrations  
 APPROVED

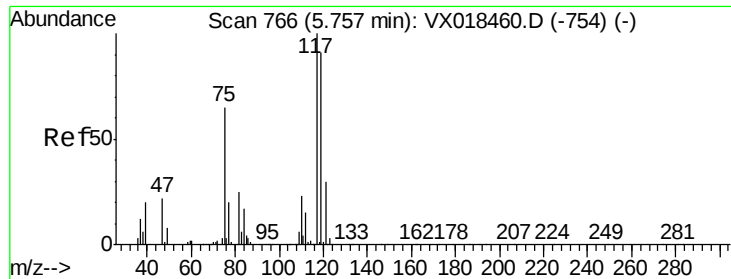
MMDadoda  
 9/18/2020 12:19:33 PM



#37  
 Ethyl Acetate  
 Concen: 0.998 ug/l  
 RT: 4.79 min Scan# 608  
 Delta R.T. 0.00 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 19.0  | 10.9  | 16.3# |
| 70      | 17.6  | 8.3   | 12.5# |





#38

Carbon Tetrachloride

Concen: 1.007 ug/l

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

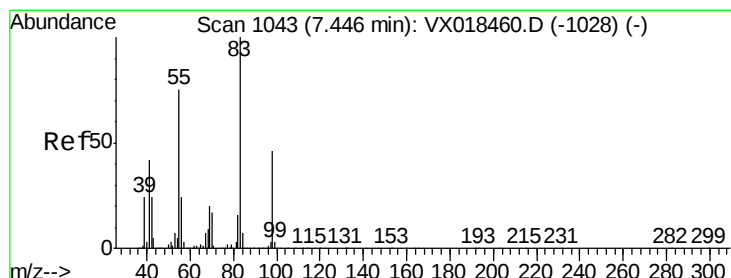
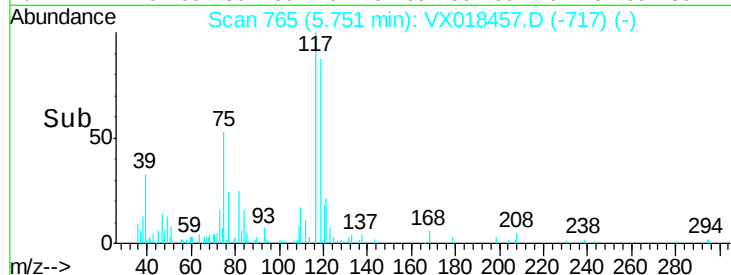
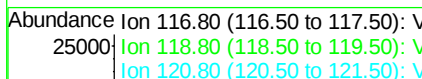
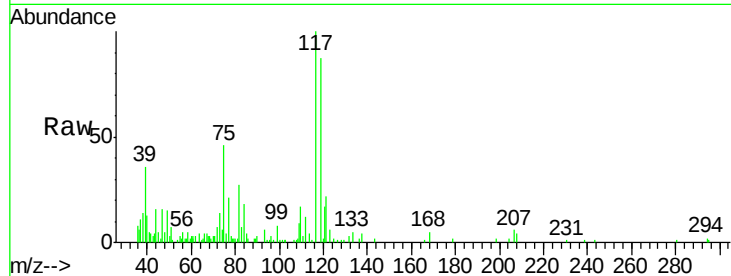
ClientSampleId :

VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 117   | Resp: | 10678 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 89.1  | 72.3  | 108.5 |
| 121      | 40.8  | 23.8  | 35.8# |

Manual Integrations  
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MMDadoda  
9/18/2020 12:19:33 PM



#39

Methylcyclohexane

Concen: 1.177 ug/l

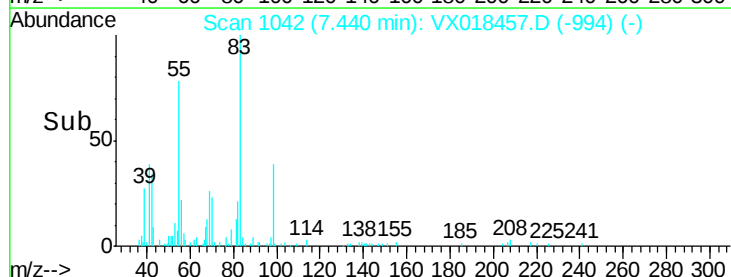
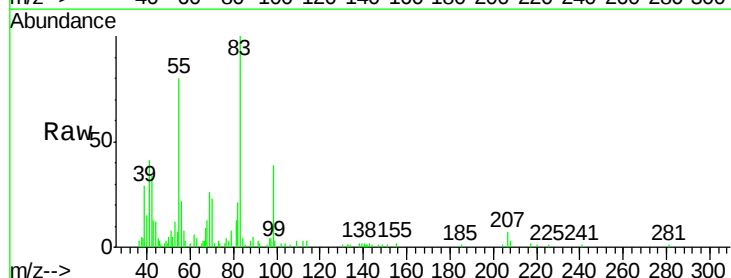
RT: 7.44 min Scan# 1042

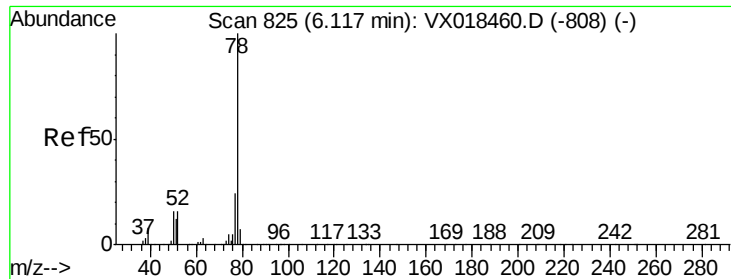
Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 12133 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 75.6  | 60.2  | 90.4  |
| 98       | 38.9  | 36.4  | 54.6  |





#40

Benzene

Concen: 1.106 ug/l

RT: 6.10 min Scan# 823

Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 30459

Ion Ratio Lower Upper

78 100

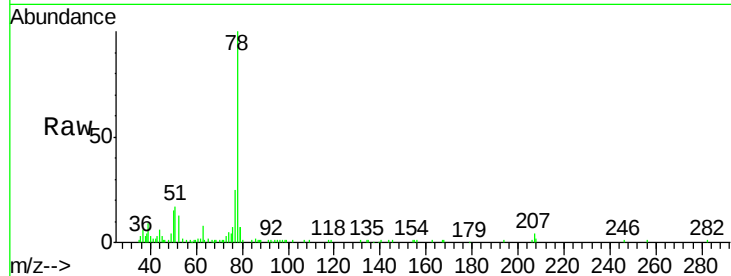
77 24.5 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:19:33 PM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.10

12000

10000

8000

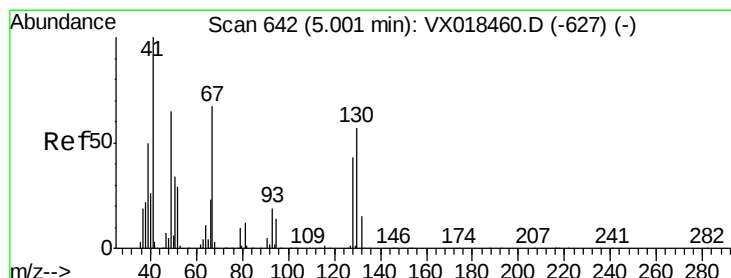
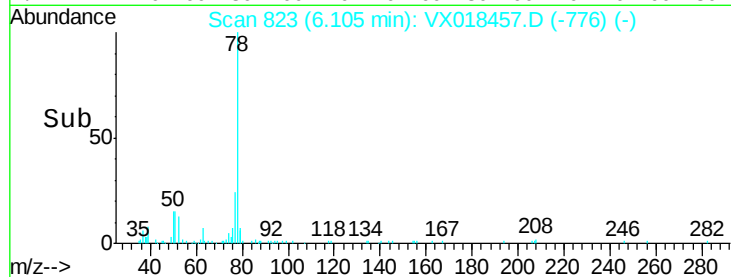
6000

4000

2000

0

Time-->



#41

Methacrylonitrile

Concen: 1.089 ug/l

RT: 5.01 min Scan# 644

Delta R.T. 0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Tgt Ion: 41 Resp: 6467

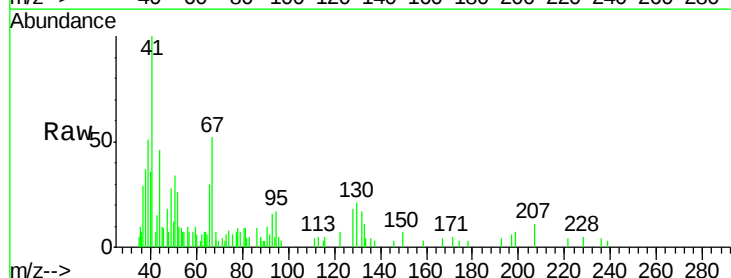
Ion Ratio Lower Upper

41 100

39 42.6 45.3 67.9#

67 57.9 56.7 85.1

52 35.4 23.4 35.0#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

4000

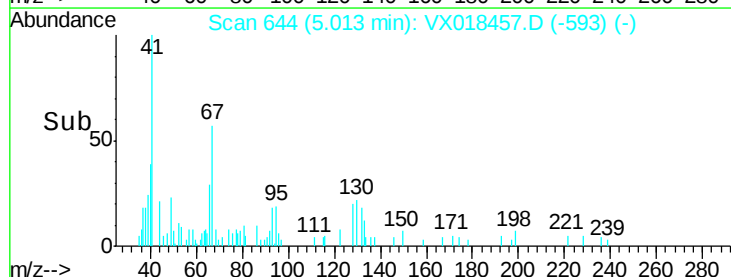
3000

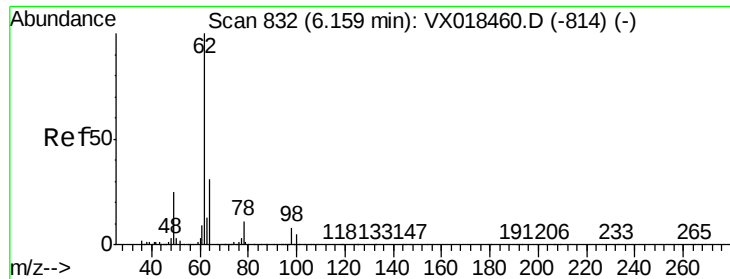
2000

1000

0

Time-->





#42

1,2-Dichloroethane

Concen: 1.107 ug/l

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

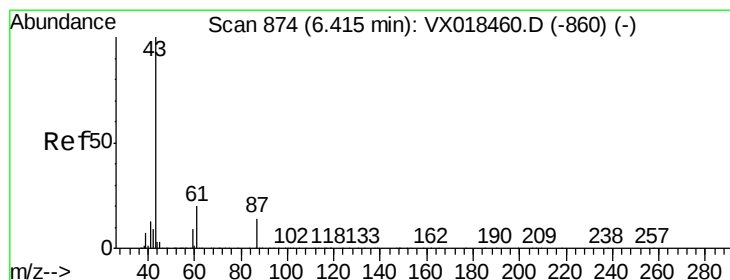
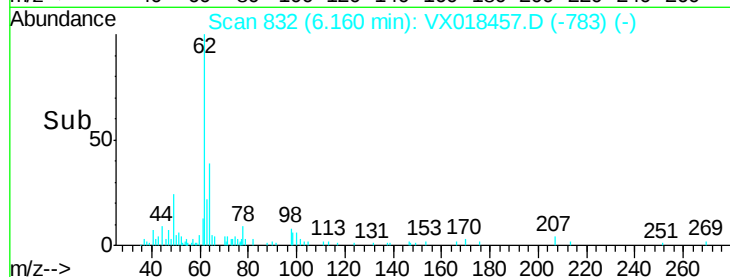
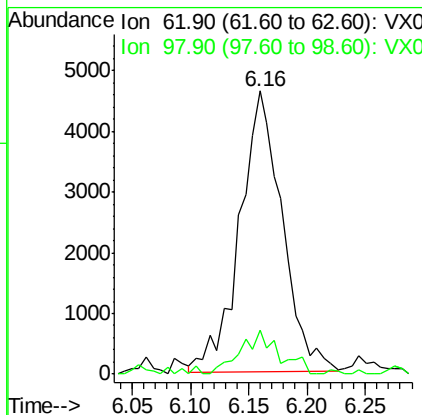
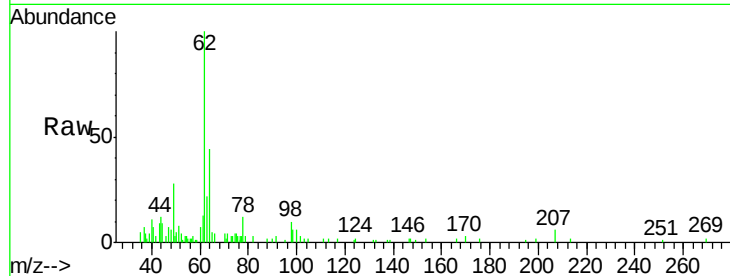
ClientSampleId :

VSTDIC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 62    | Resp: | 11714 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 14.0  | 0.0   | 16.6  |

Manual Integrations  
APPROVED

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9/18/2020 12:19:33 PM



#43

Isopropyl Acetate

Concen: 1.017 ug/l

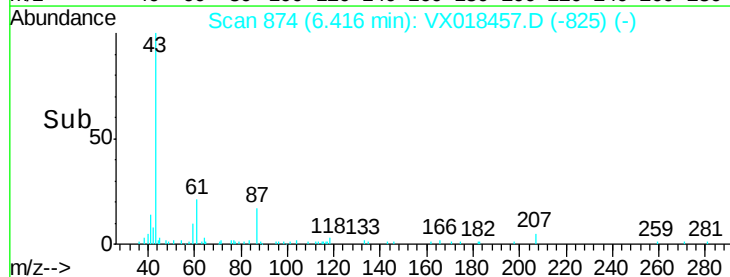
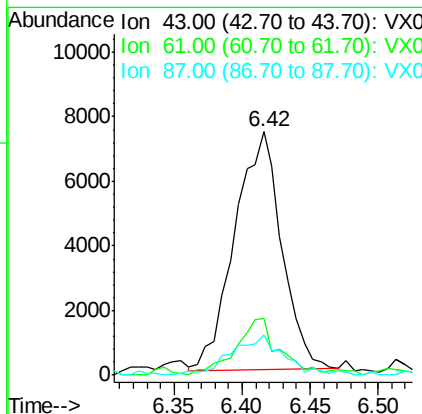
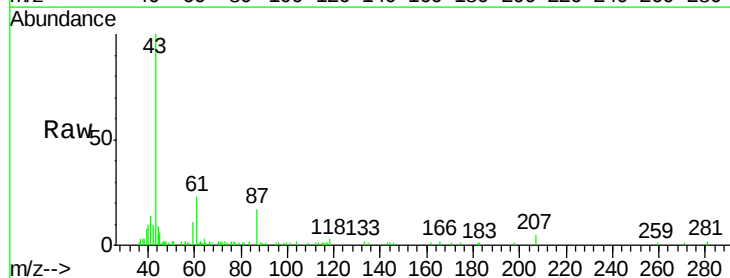
RT: 6.42 min Scan# 874

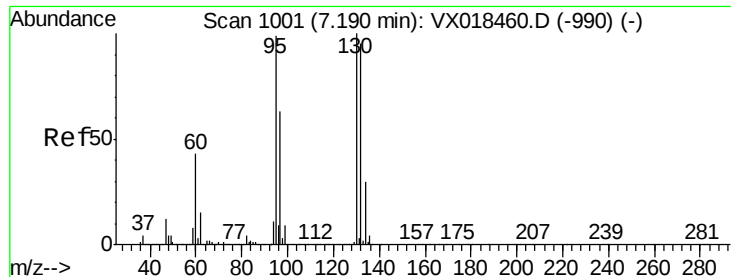
Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 17789 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 61        | 21.9  | 15.7  | 23.5  |
| 87        | 18.6  | 10.4  | 15.6# |





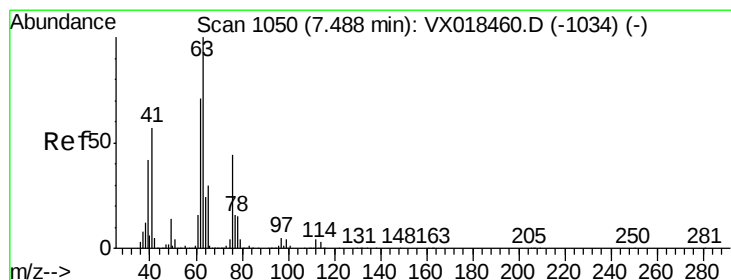
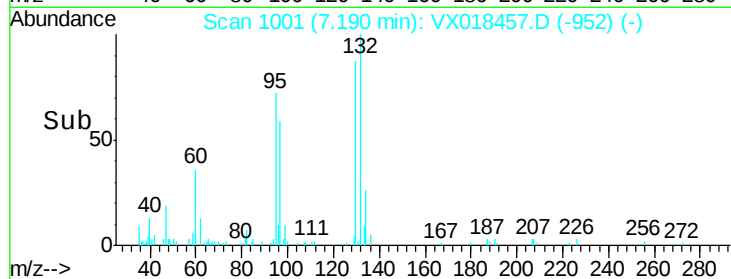
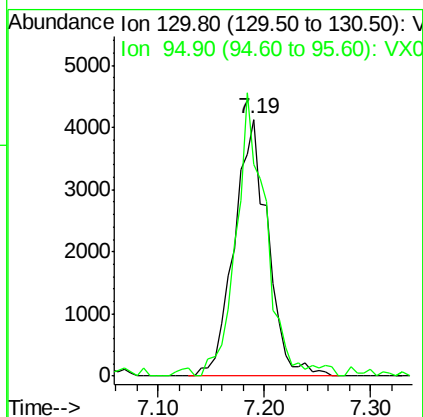
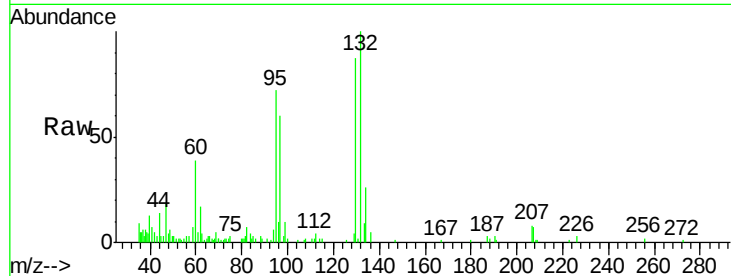
#44  
 Trichloroethene  
 Concen: 1.175 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. 0.00 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Tot Ion:130 Resp: 9167  
 Ion Ratio Lower Upper  
 130 100  
 95 82.3 0.0 197.4

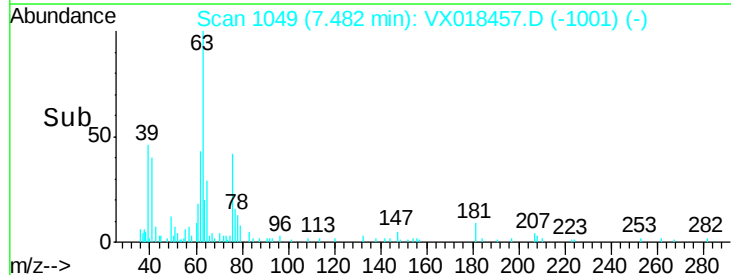
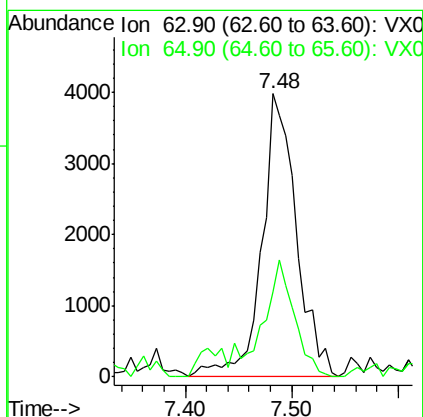
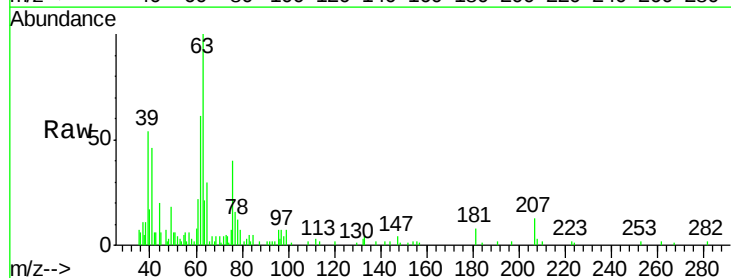
Manual Integrations  
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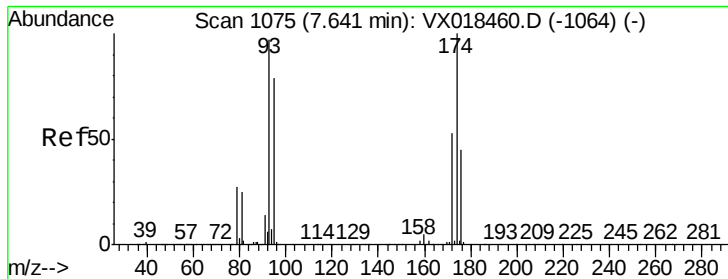
MMDadoda  
 9/18/2020 12:19:33 PM



#45  
 1,2-Dichloropropane  
 Concen: 1.217 ug/l  
 RT: 7.48 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

Tgt Ion: 63 Resp: 9001  
 Ion Ratio Lower Upper  
 63 100  
 65 29.9 24.1 36.1





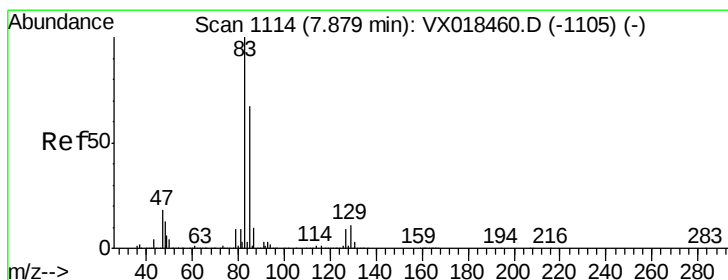
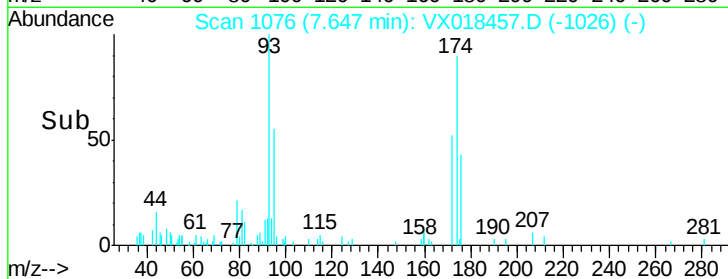
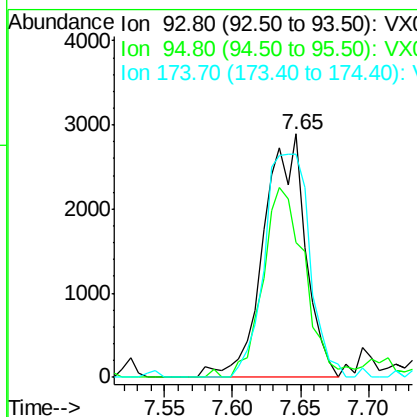
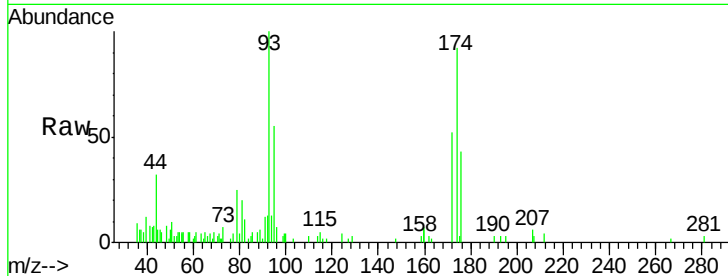
#46  
Dibromomethane  
Concen: 1.191 ug/l  
RT: 7.65 min Scan# 1076  
Delta R.T. 0.01 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 78.3  | 65.0  | 97.4  |
| 174     | 99.6  | 82.0  | 123.0 |

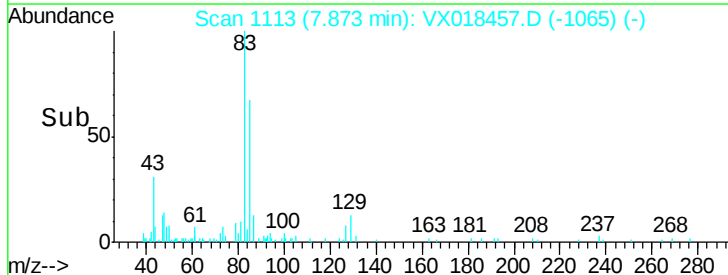
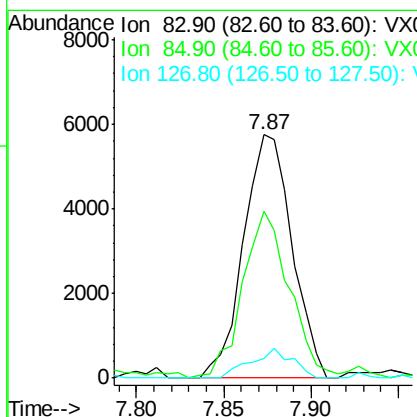
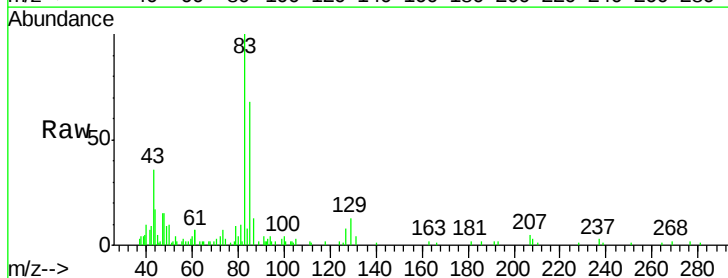
Manual Integrations  
APPROVED

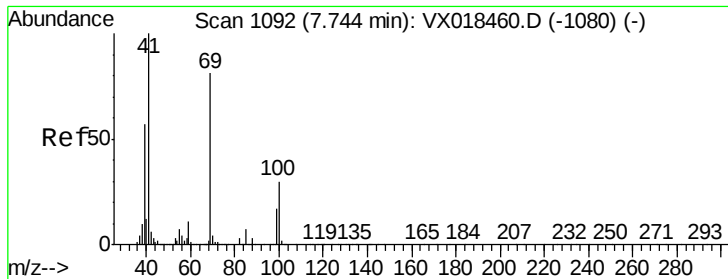
MMDadoda  
9/18/2020 12:19:33 PM



#47  
Bromodichloromethane  
Concen: 1.070 ug/l  
RT: 7.87 min Scan# 1113  
Delta R.T. -0.01 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 66.7  | 53.3  | 79.9  |
| 127     | 7.9   | 7.4   | 11.2  |





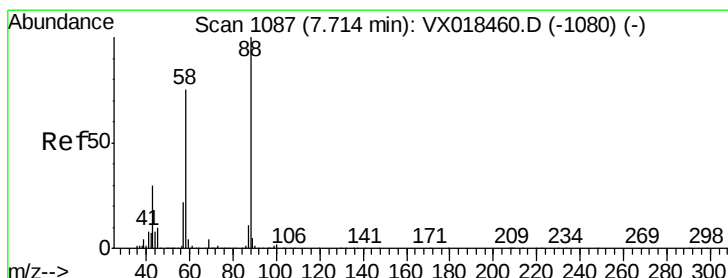
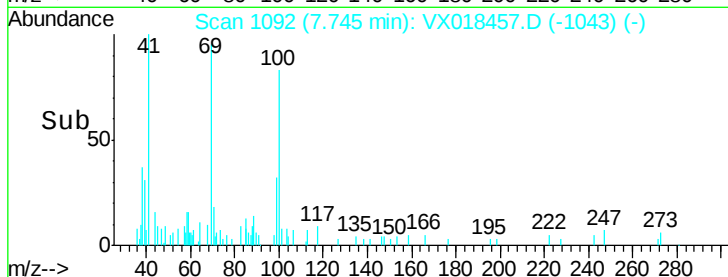
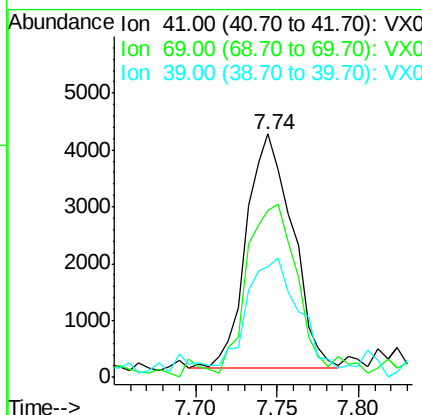
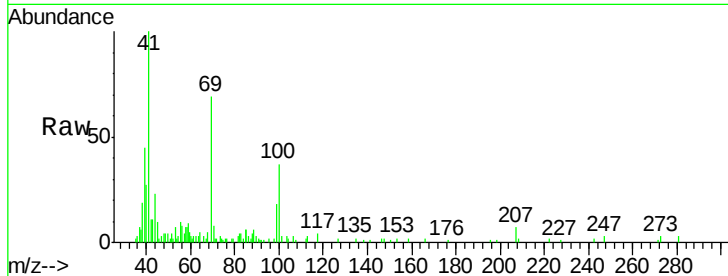
#48  
Methvl methacrylate  
Concen: 0.927 ug/l  
RT: 7.74 min Scan# 1092  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 80.1  | 63.7  | 95.5  |
| 39      | 56.3  | 45.0  | 67.4  |

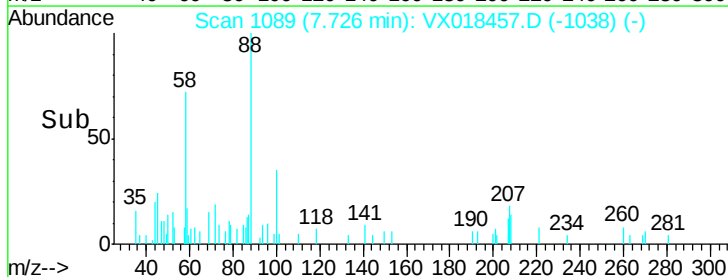
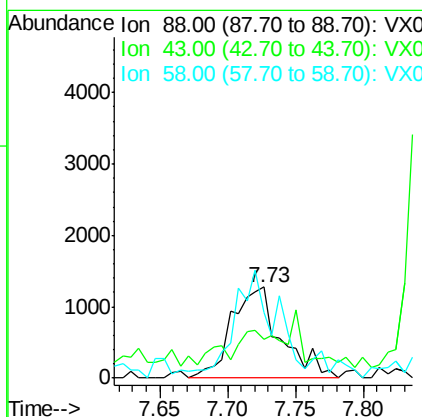
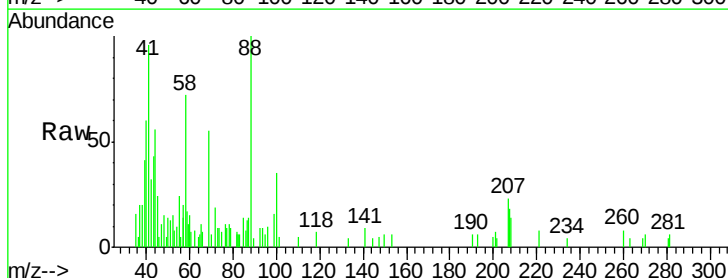
Manual Integrations  
APPROVED

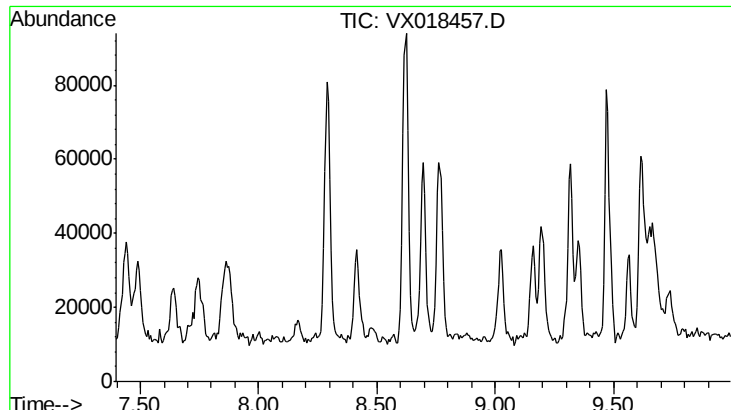
MMDadoda  
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#49  
1,4-Dioxane  
Concen: 21.214 ug/l  
RT: 7.73 min Scan# 1089  
Delta R.T. 0.01 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 21.6  | 29.9  | 44.9# |
| 58      | 65.0  | 59.0  | 88.6  |





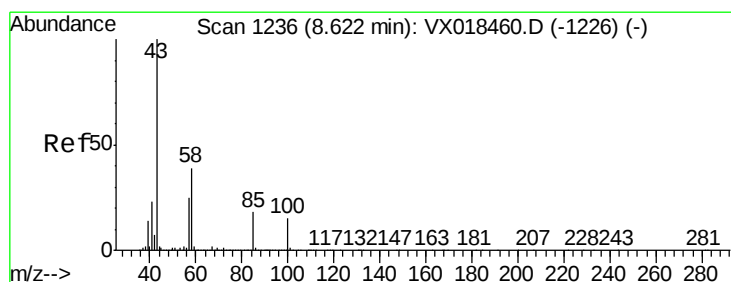
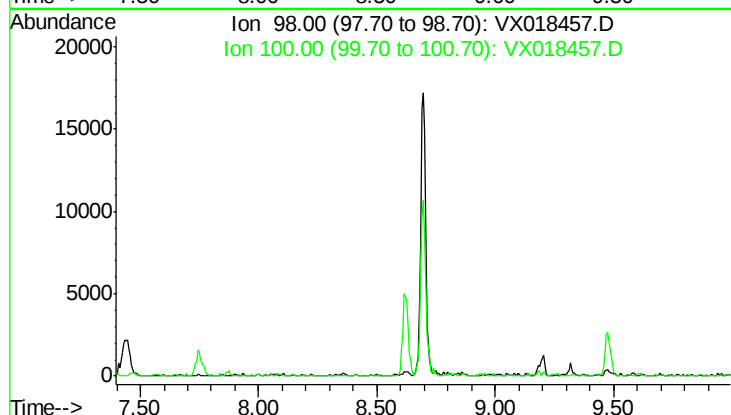
#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 8.70 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tot Ion: 98  
Sig Exp Ratio  
98 100  
100 64.6

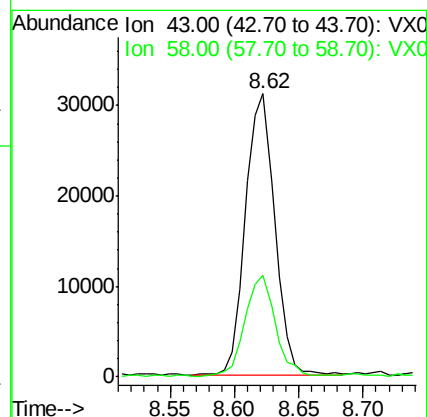
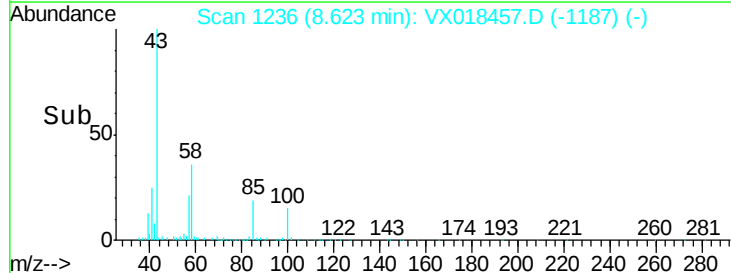
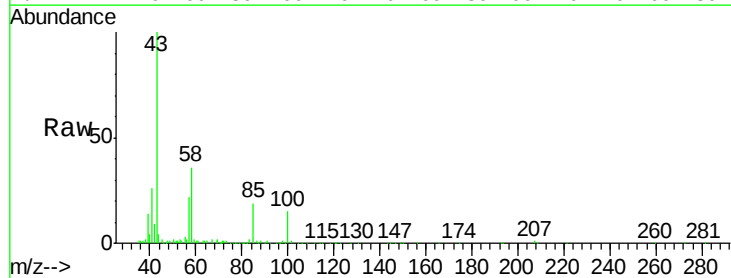
Manual Integrations  
APPROVED

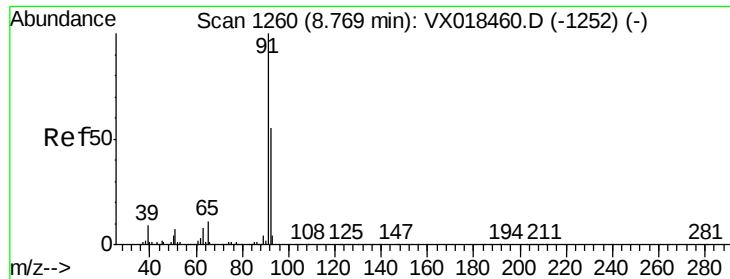
MMDadoda  
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#51  
4-Methyl-2-Pentanone  
Concen: 4.557 ug/l  
RT: 8.62 min Scan# 1236  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Tgt Ion: 43 Resp: 48948  
Ion Ratio Lower Upper  
43 100  
58 37.4 30.9 46.3





#52

Toluene

Concen: 1.087 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 18899

Ion Ratio Lower Upper

92 100

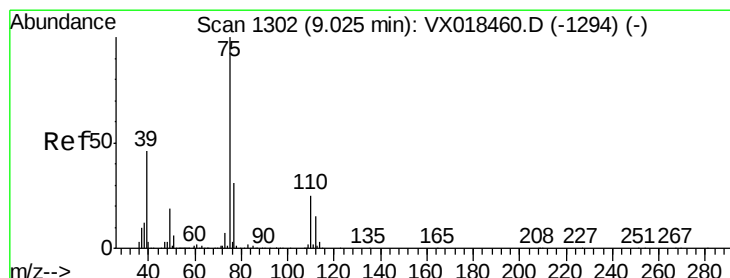
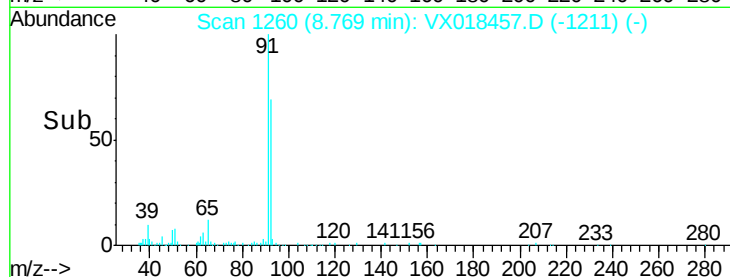
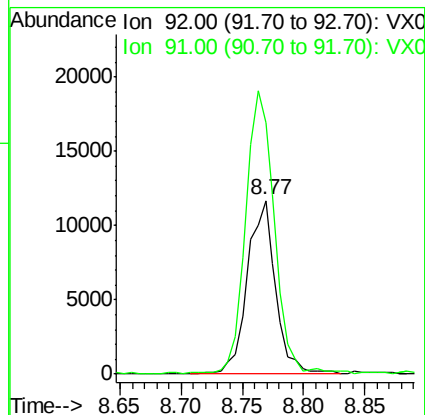
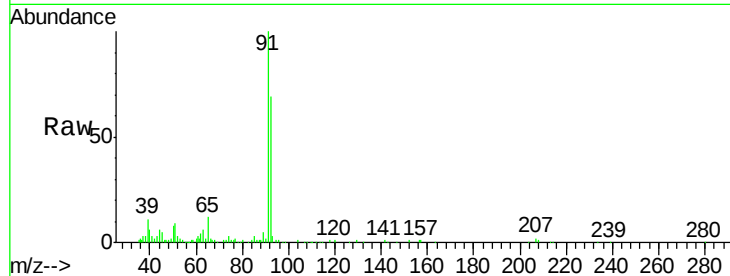
91 161.5 140.6 210.8

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 1.112 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX018457.D

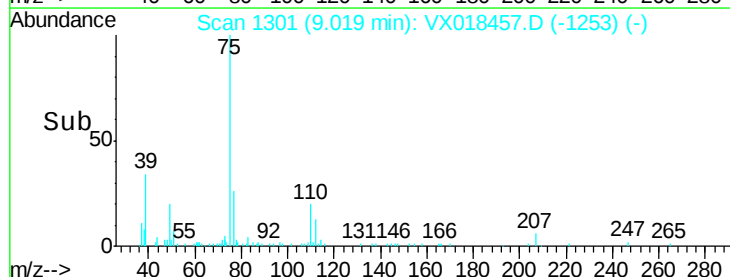
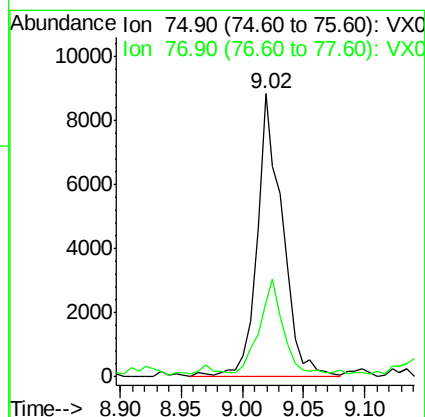
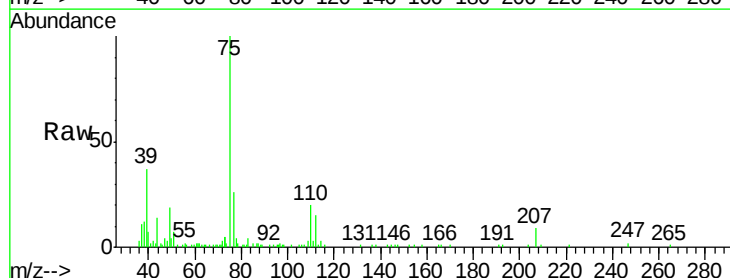
Acq: 17 Sep 2020 09:48

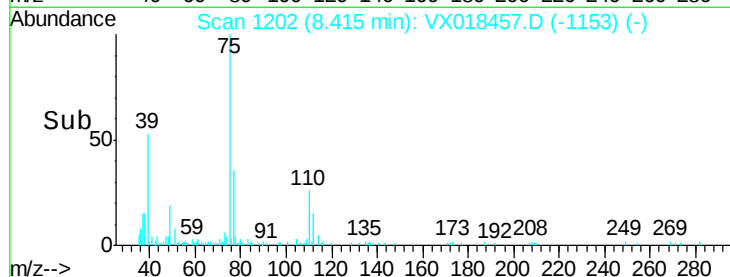
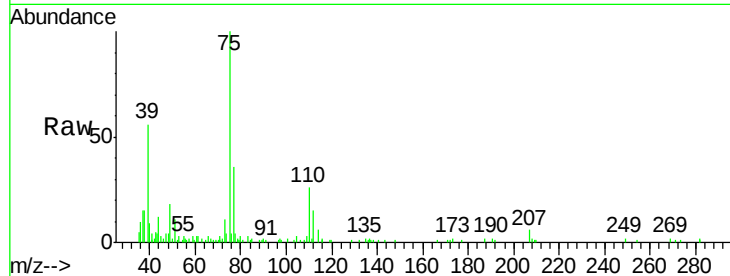
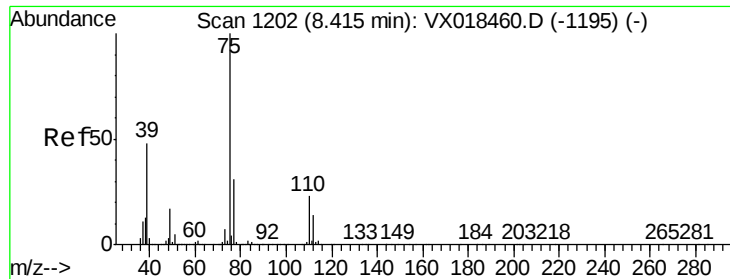
Tgt Ion: 75 Resp: 12851

Ion Ratio Lower Upper

75 100

77 25.4 25.1 37.7





#54

cis-1,3-Dichloropropene

Concen: 1.035 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 12681 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 33.6  | 24.8  | 37.2  |
| 39       | 52.4  | 38.6  | 58.0  |

Instrument :

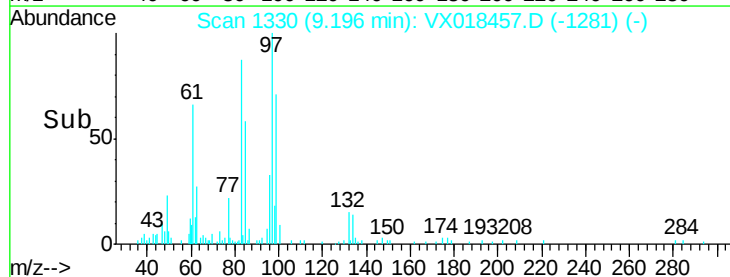
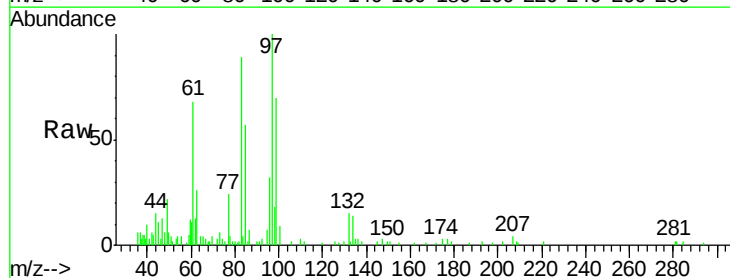
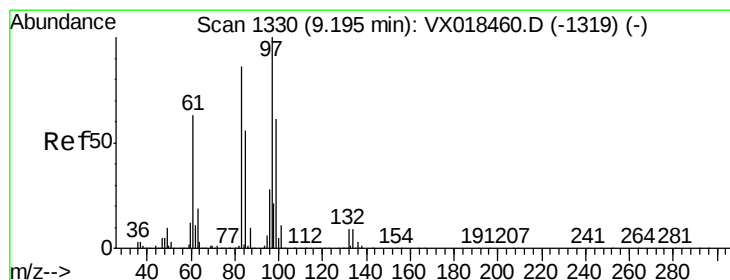
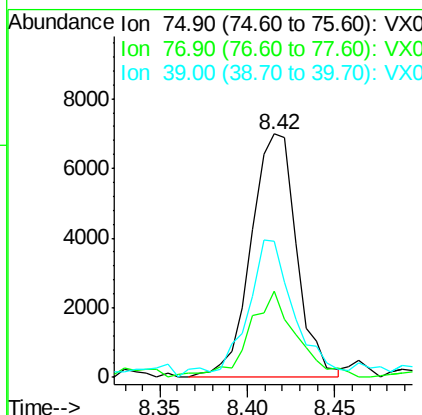
MSVOA\_X

ClientSampleId :

VSTDIC001

Manual Integrations  
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#55

1,1,2-Trichloroethane

Concen: 1.033 ug/l

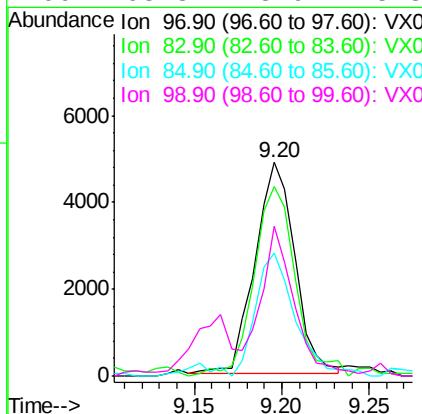
RT: 9.20 min Scan# 1330

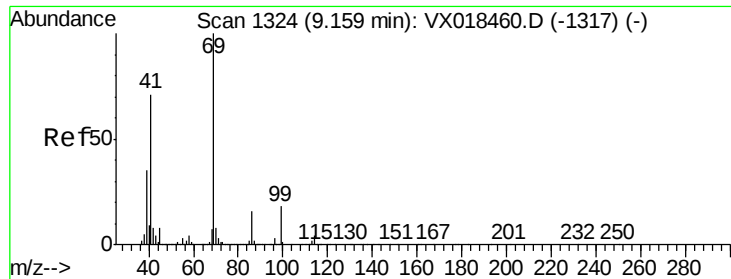
Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 7647  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.3  | 68.5  | 102.7 |
| 85       | 54.8  | 44.8  | 67.2  |
| 99       | 68.3  | 48.9  | 73.3  |





#56

Ethyl methacrylate

Concen: 0.923 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

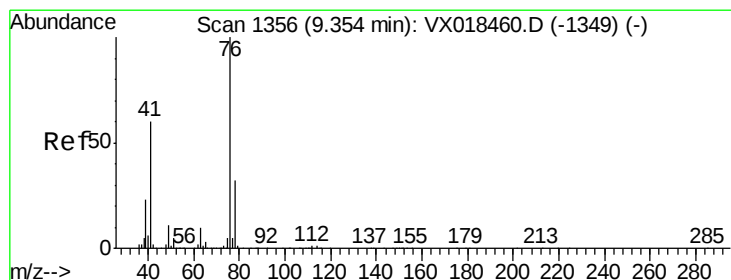
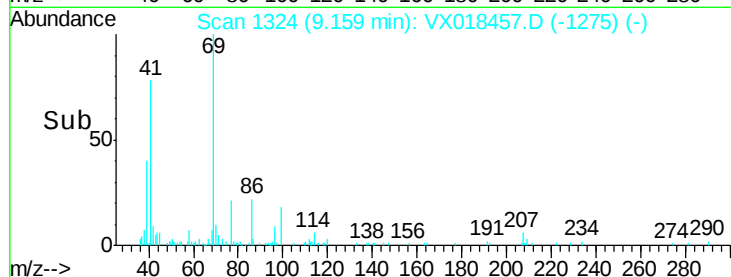
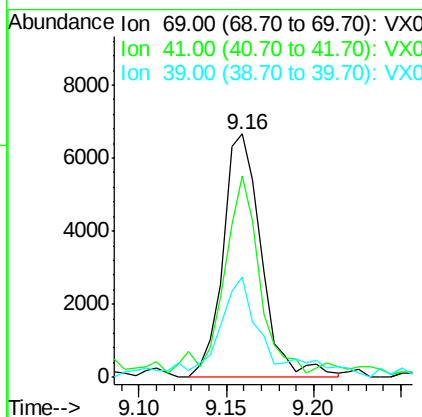
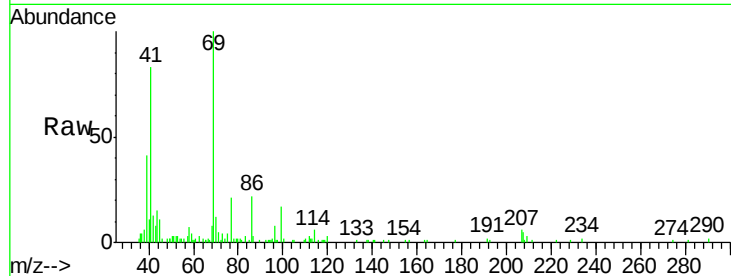
ClientSampleId :

VSTDIC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 69    | Resp: | 10179 |
| Ion Ratio | Lower | Upper |       |
| 69        | 100   |       |       |
| 41        | 74.3  | 54.6  | 81.8  |
| 39        | 45.1  | 29.3  | 43.9# |

Manual Integrations  
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#57

1,3-Dichloropropane

Concen: 1.071 ug/l

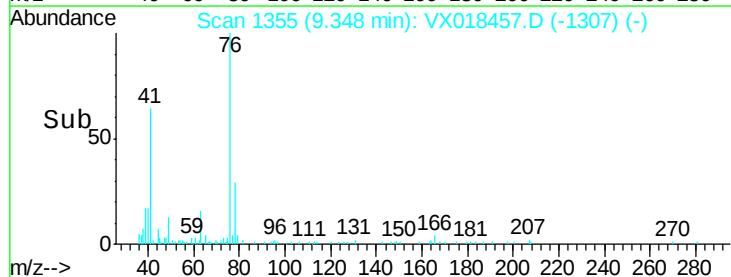
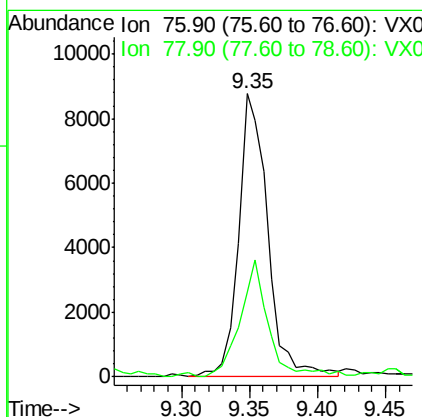
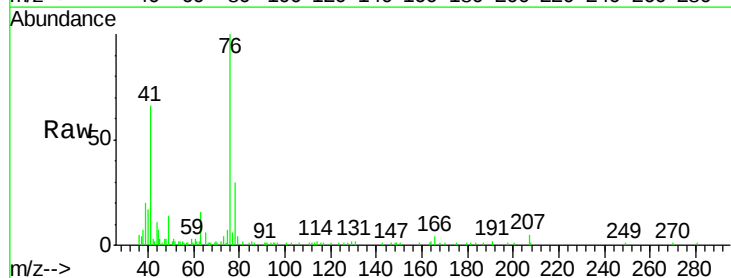
RT: 9.35 min Scan# 1355

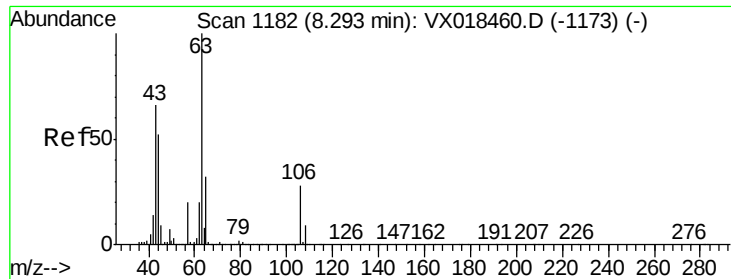
Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 76    | Resp: | 13092 |
| Ion Ratio | Lower | Upper |       |
| 76        | 100   |       |       |
| 78        | 40.6  | 25.6  | 38.4# |





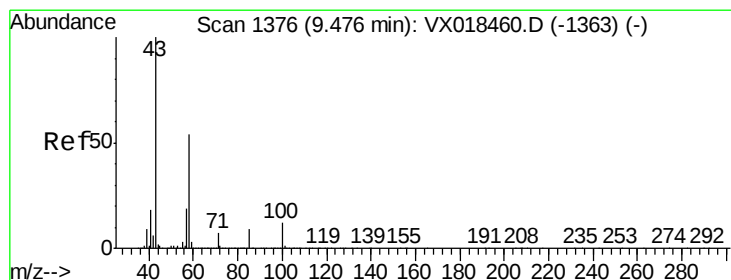
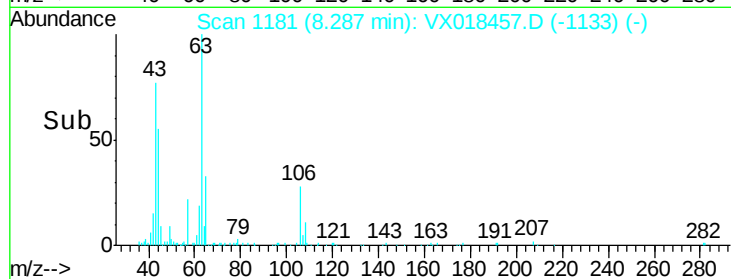
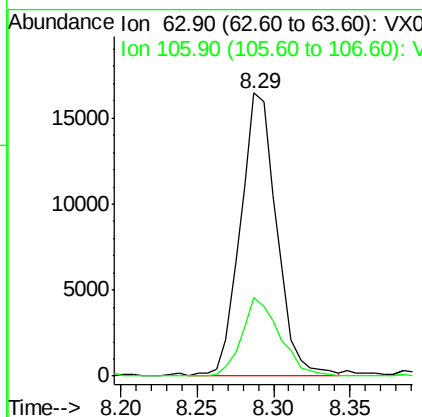
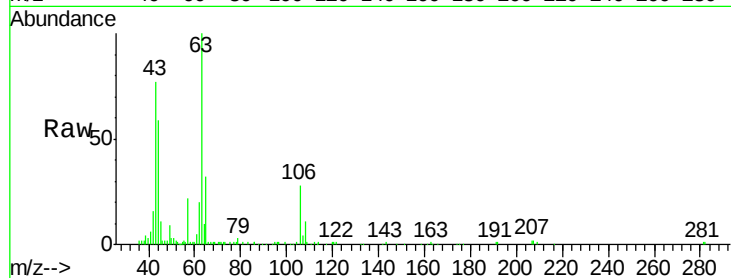
#58  
 2-Chloroethyl Vinyl ether  
 Concen: 5.287 ug/l  
 RT: 8.29 min Scan# 1181  
 Delta R.T. -0.01 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Tot Ion: 63 Resp: 27076  
 Ion Ratio Lower Upper  
 63 100  
 106 28.9 22.2 33.2

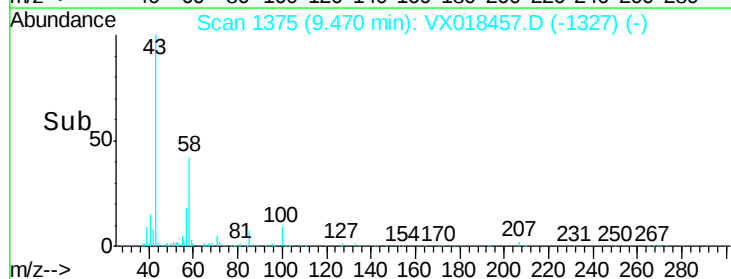
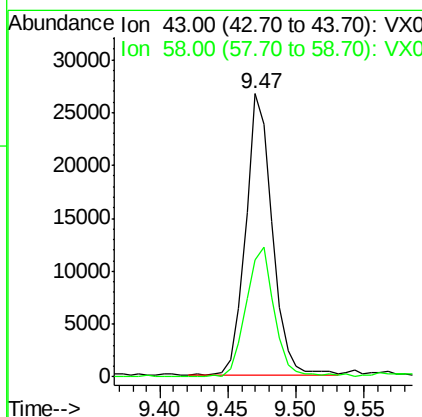
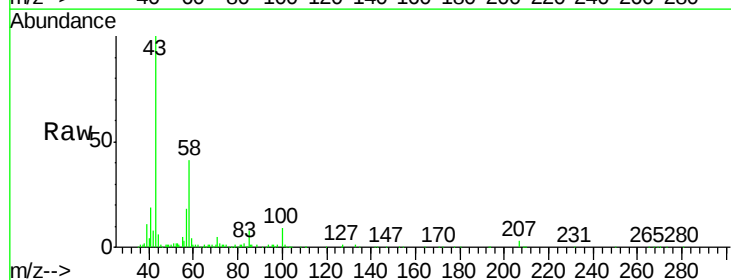
Manual Integrations  
 APPROVED

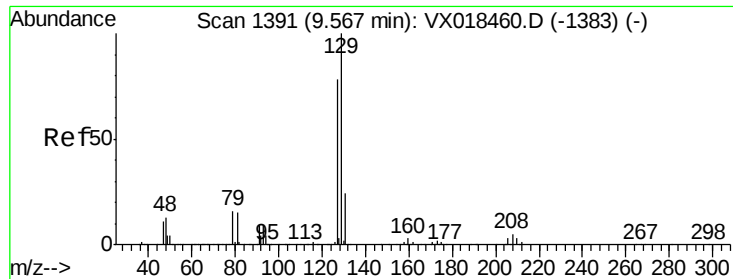
MMDadoda  
 9/18/2020 12:19:33 PM



#59  
 2-Hexanone  
 Concen: 4.510 ug/l  
 RT: 9.47 min Scan# 1375  
 Delta R.T. -0.01 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

Tgt Ion: 43 Resp: 36796  
 Ion Ratio Lower Upper  
 43 100  
 58 48.5 26.5 79.4





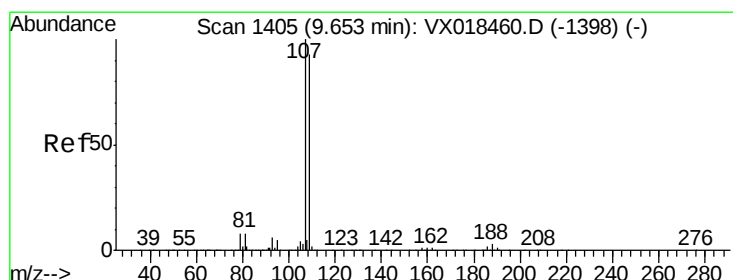
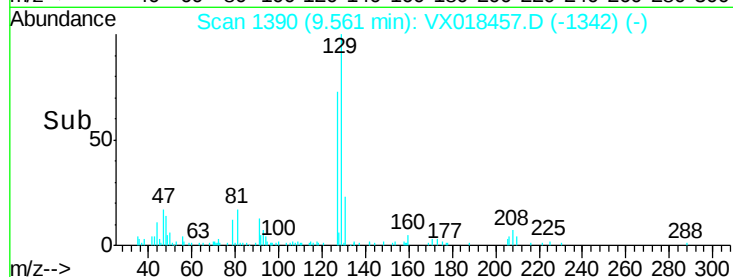
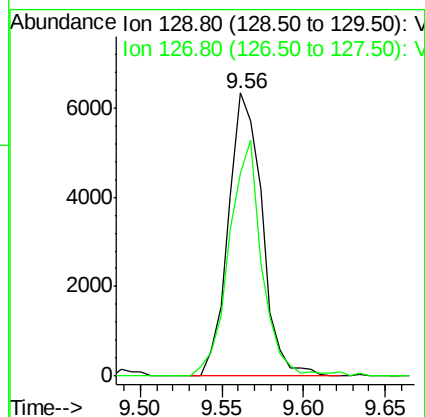
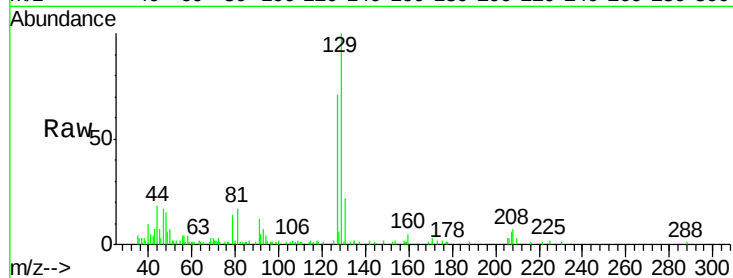
#60  
Dibromochloromethane  
Concen: 1.046 ug/l  
RT: 9.56 min Scan# 1390  
Delta R.T. -0.01 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 80.4  | 39.0  | 117.0 |

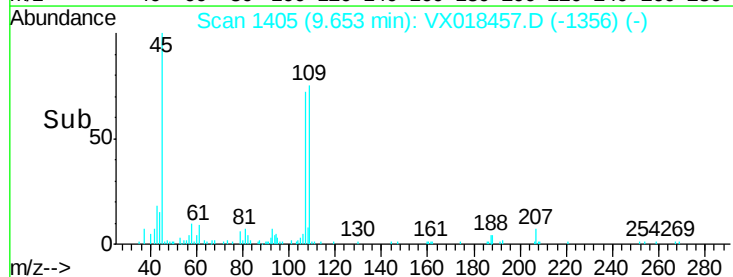
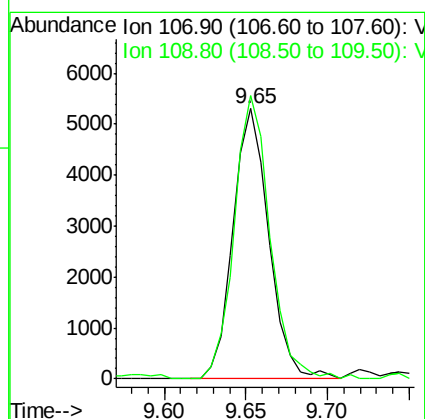
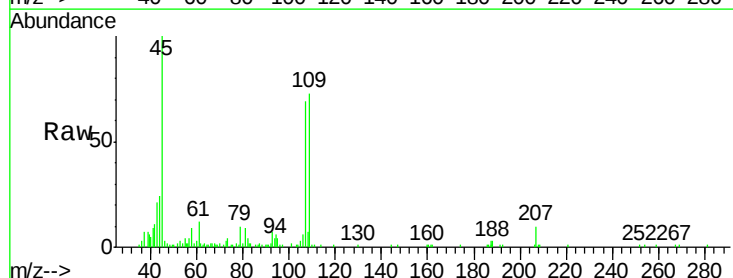
Manual Integrations  
APPROVED

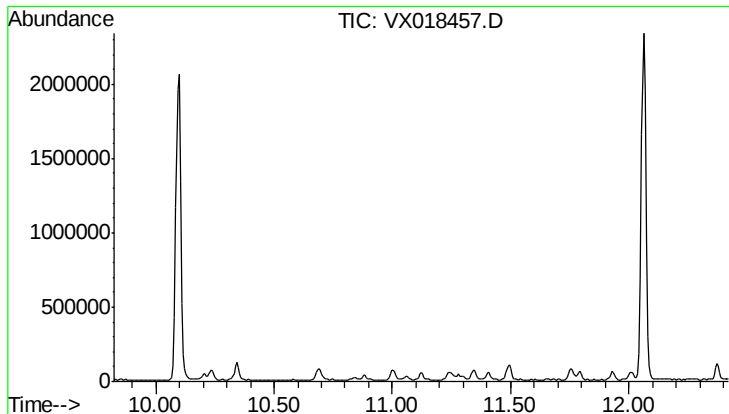
MMDadoda  
9/18/2020 12:19:33 PM



#61  
1,2-Dibromoethane  
Concen: 1.009 ug/l  
RT: 9.65 min Scan# 1405  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 104.7 | 75.9  | 113.9 |





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.12 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Tot Ion: 95

Sig Exp Ratio

95 100

174 80.7

176 75.7

Instrument :

MSVOA\_X

ClientSampleId :

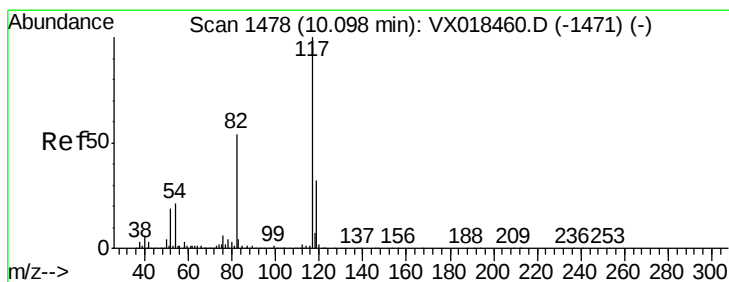
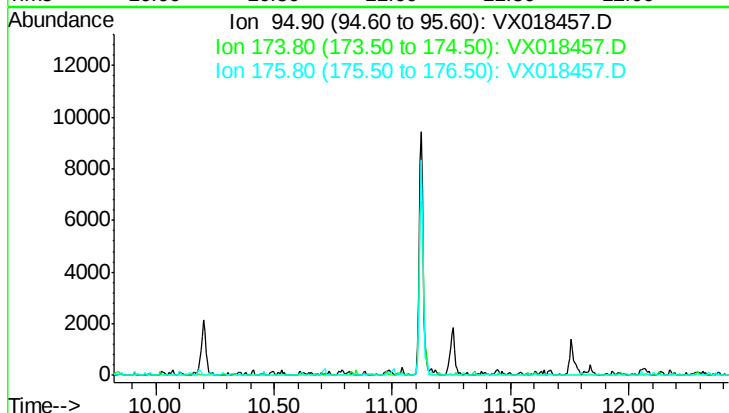
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

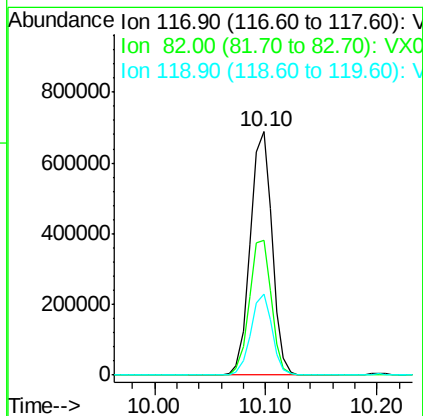
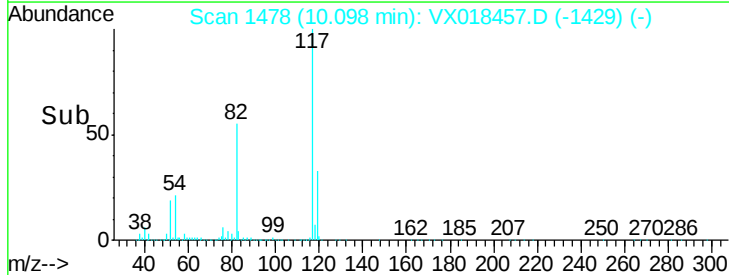
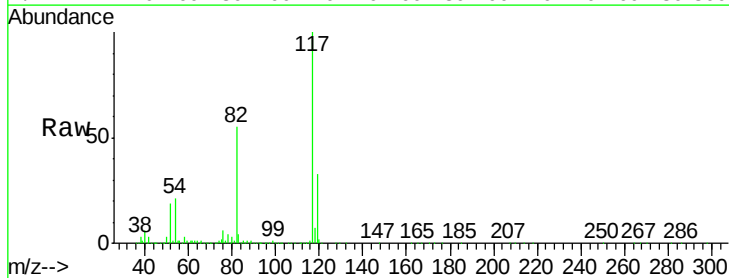
Tgt Ion: 117 Resp: 938836

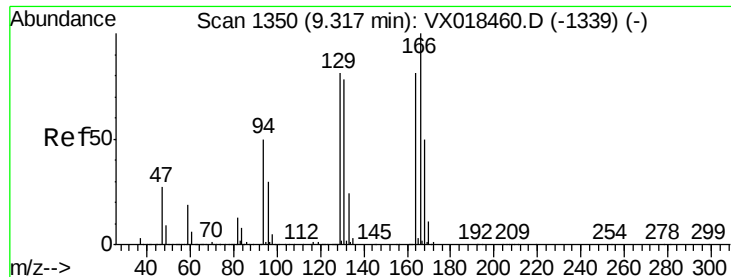
Ion Ratio Lower Upper

117 100

82 55.3 43.3 64.9

119 33.0 25.9 38.9





#64

Tetrachloroethene

Concen: 1.289 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

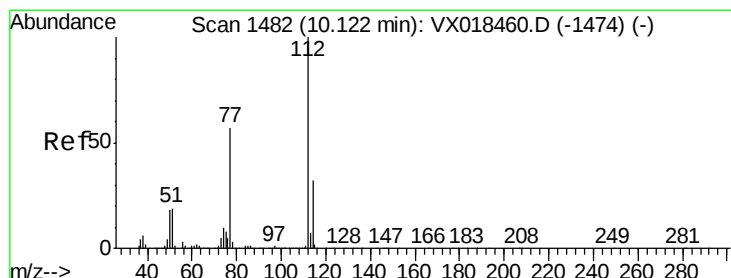
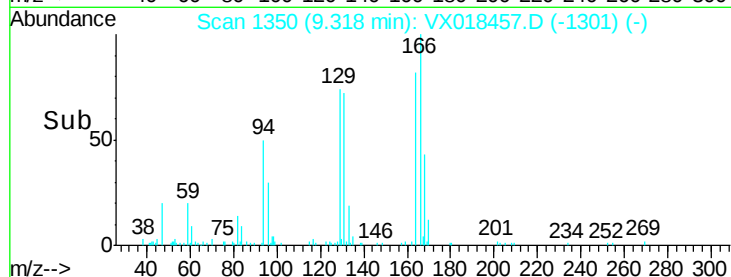
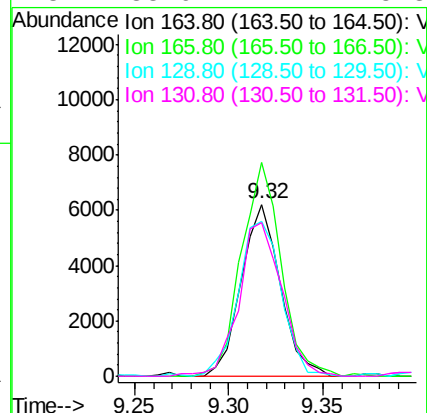
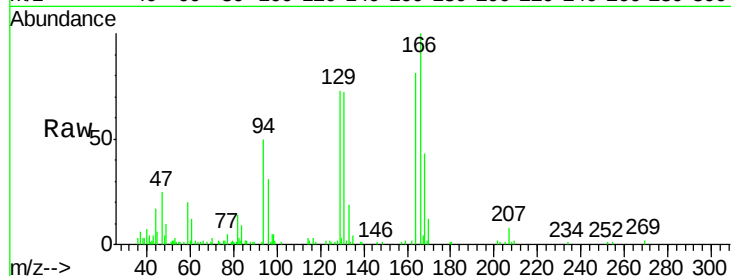
ClientSampleId :

VSTDIC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 8938  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 124.1 | 99.3  | 148.9 |
| 129      | 90.3  | 80.7  | 121.1 |
| 131      | 88.9  | 77.2  | 115.8 |

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#65

Chlorobenzene

Concen: 1.096 ug/l

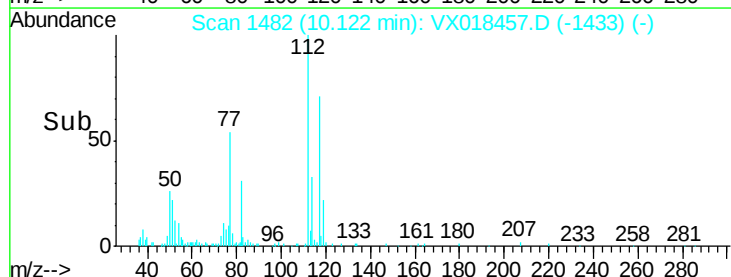
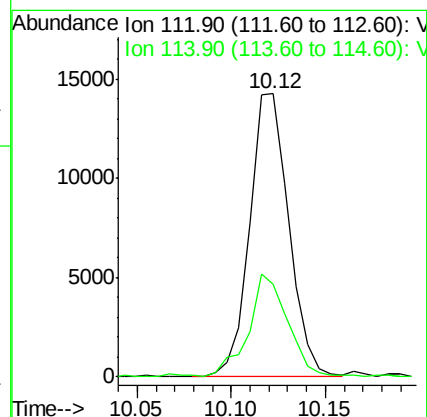
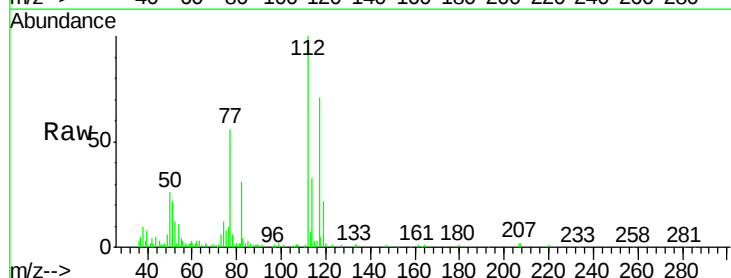
RT: 10.12 min Scan# 1482

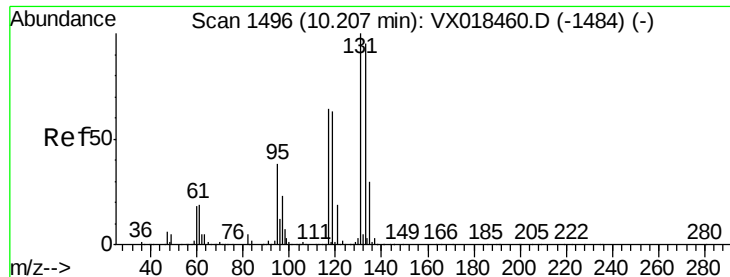
Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 20587 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 32.4  | 25.4  | 38.0  |





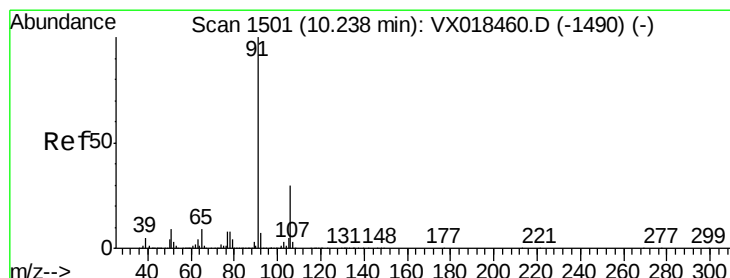
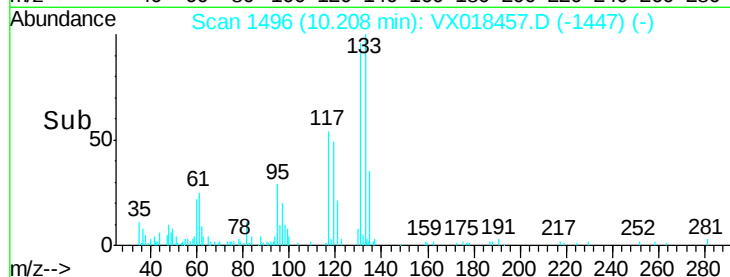
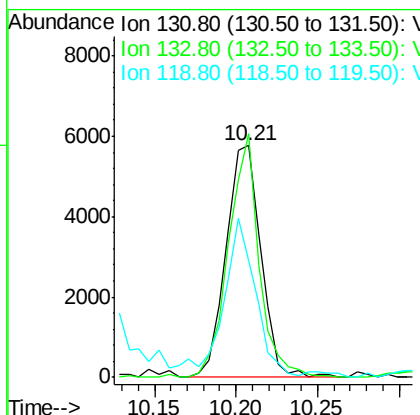
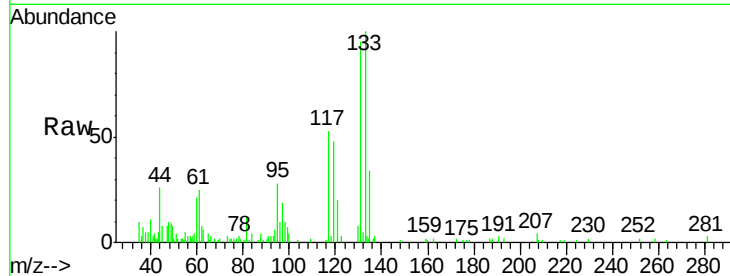
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 1.156 ug/l  
 RT: 10.21 min Scan# 1496  
 Delta R.T. 0.00 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 91.6  | 47.8  | 143.4 |
| 119     | 0.0   | 31.9  | 95.7# |

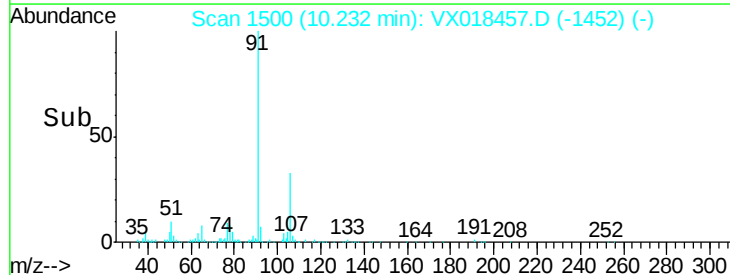
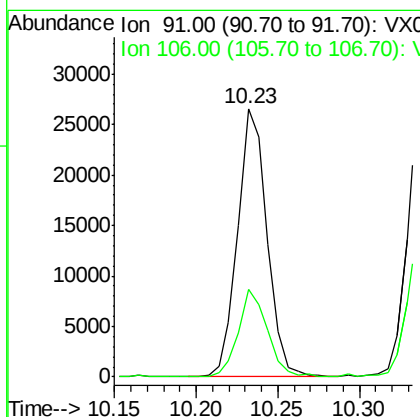
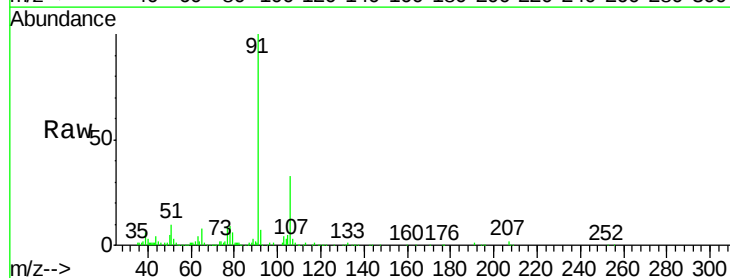
Manual Integrations  
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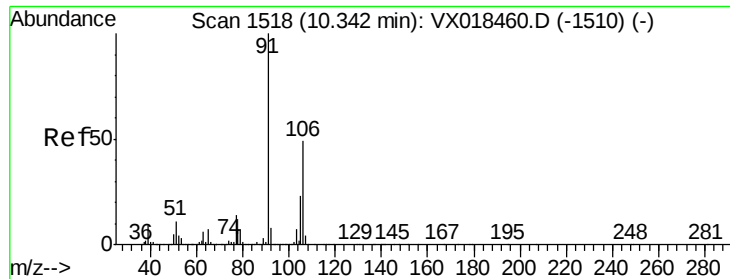
MMDadoda  
 9/18/2020 12:19:33 PM



#67  
 Ethyl Benzene  
 Concen: 1.045 ug/l  
 RT: 10.23 min Scan# 1500  
 Delta R.T. -0.01 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 106     | 32.6  | 24.1  | 36.1  |





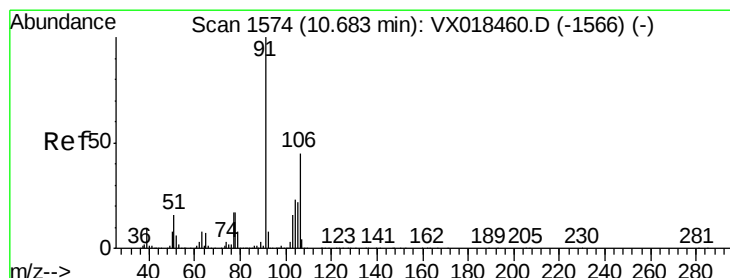
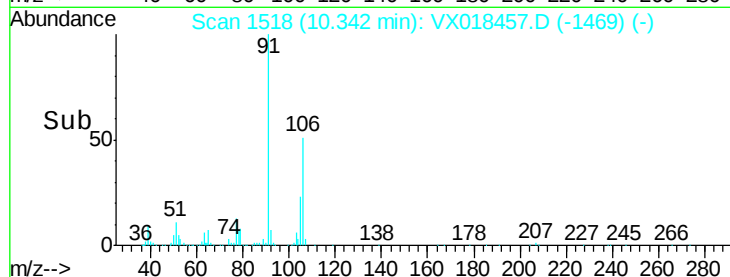
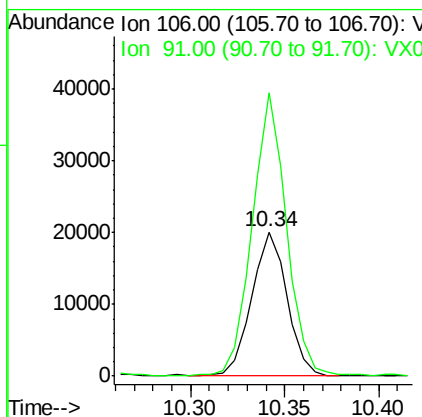
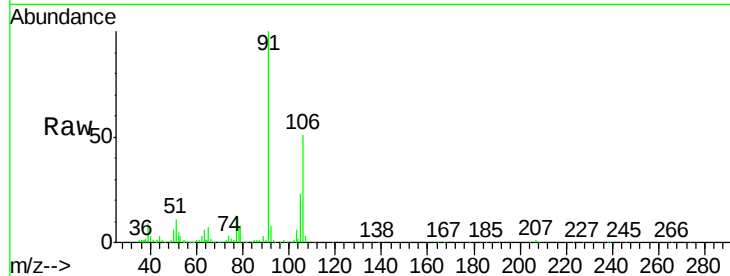
#68  
m/p-Xylenes  
Concen: 2.189 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tot Ion:106 Resp: 26109  
Ion Ratio Lower Upper  
106 100  
91 190.1 163.8 245.6

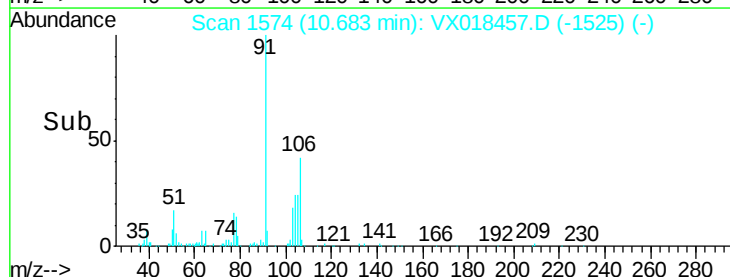
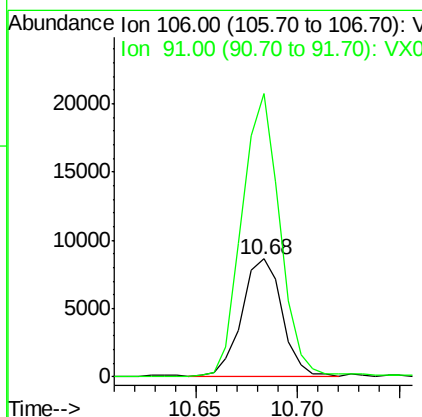
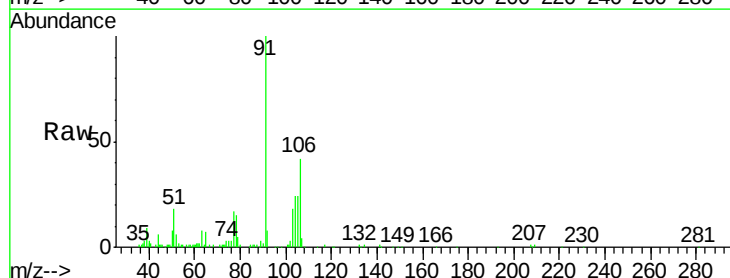
Manual Integrations  
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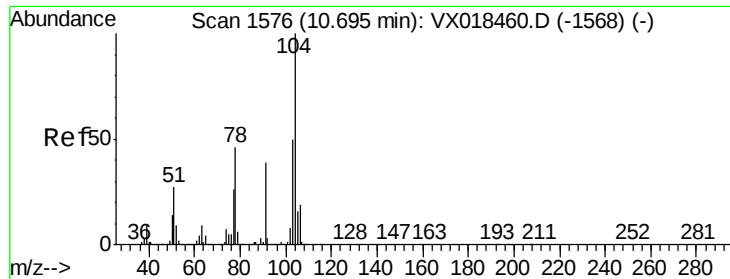
MMDadoda  
9/18/2020 12:19:33 PM



#69  
o-Xylene  
Concen: 1.033 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Tgt Ion:106 Resp: 11970  
Ion Ratio Lower Upper  
106 100  
91 226.7 109.7 329.0





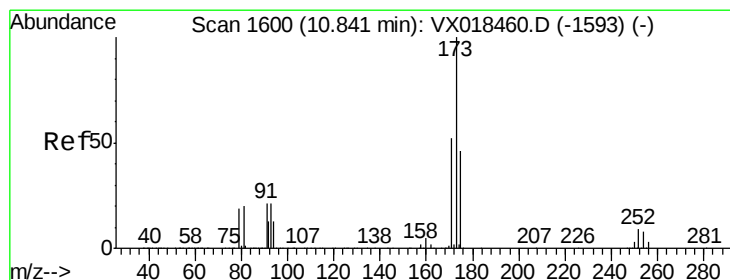
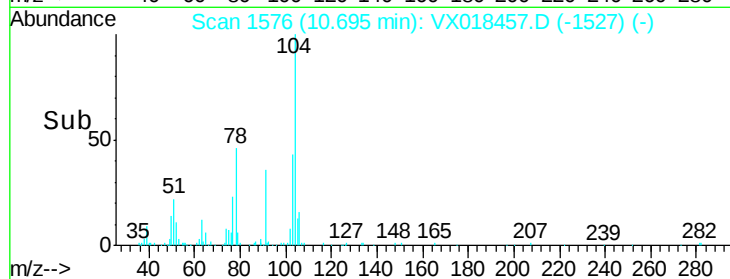
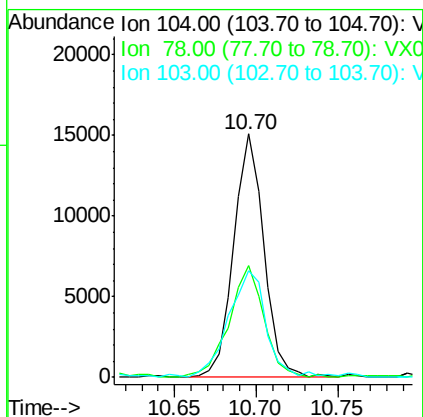
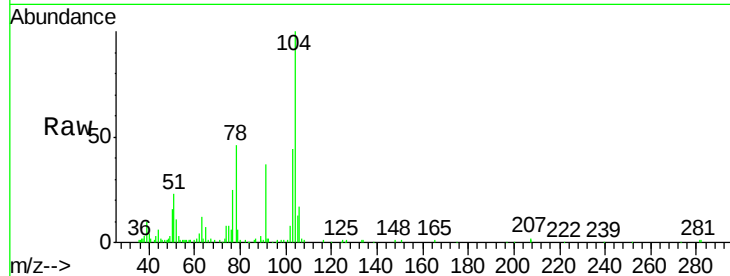
#70  
Stvrene  
Concen: 0.984 ug/l  
RT: 10.70 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 53.3  | 40.5  | 60.7  |
| 103     | 55.3  | 43.2  | 64.8  |

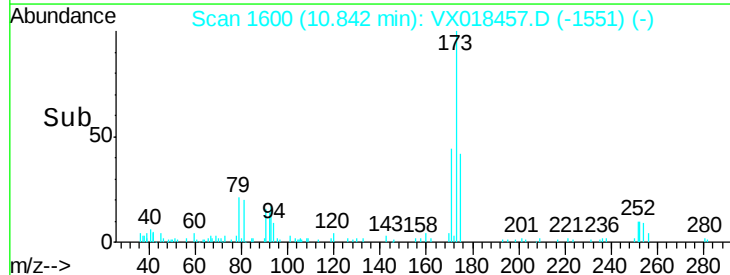
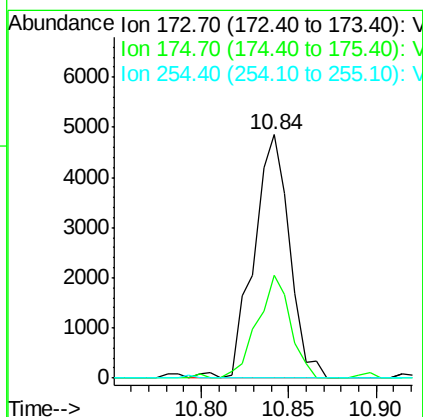
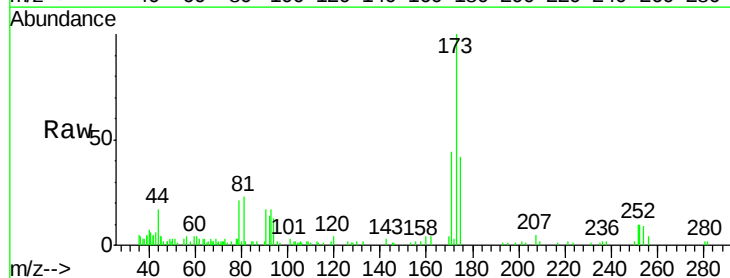
Manual Integrations  
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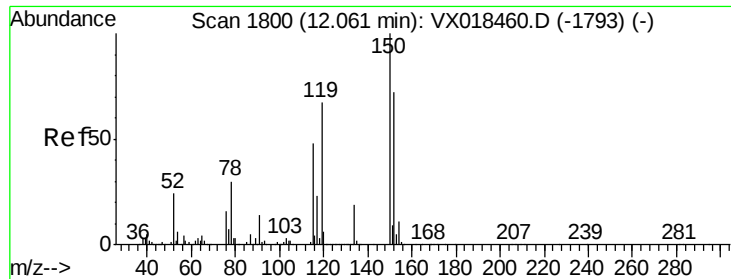
MMDadoda  
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#71  
Bromoform  
Concen: 1.098 ug/l  
RT: 10.84 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 39.2  | 23.6  | 70.8  |
| 254     | 0.0   | 0.1   | 0.1#  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

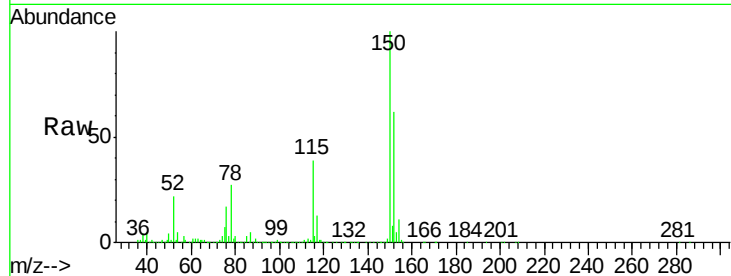
ClientSampleId :

VSTDIC001

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 471316 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 59.9  | 41.8  | 125.4  |
| 150       | 156.9 | 0.0   | 342.4  |

Manual Integrations  
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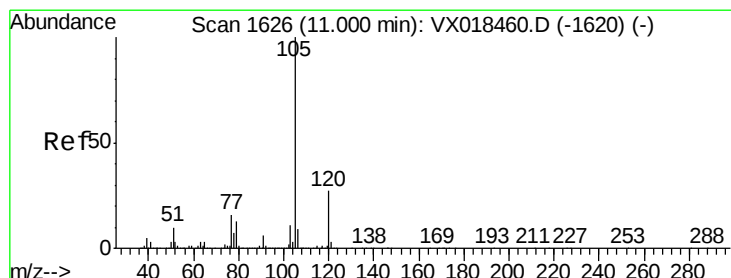
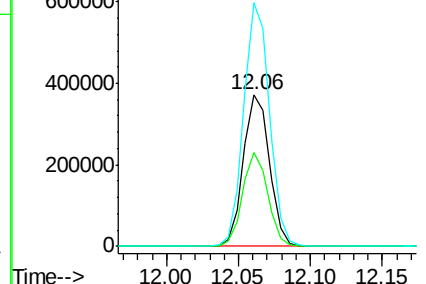
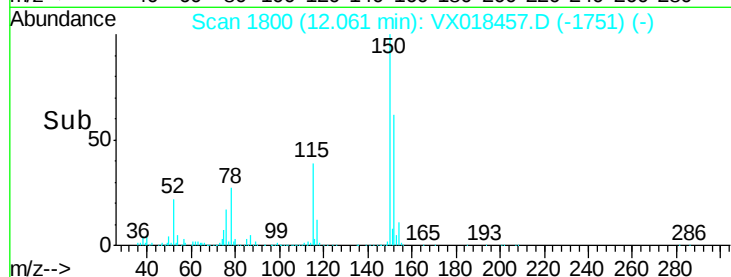
MMDadoda  
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.996 ug/l

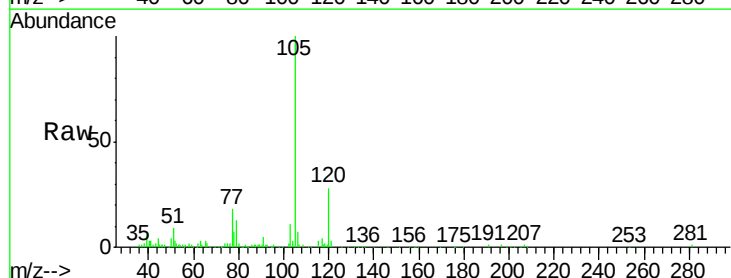
RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018457.D

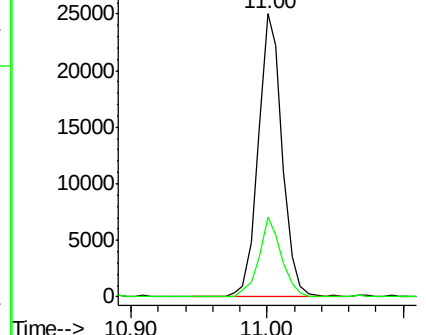
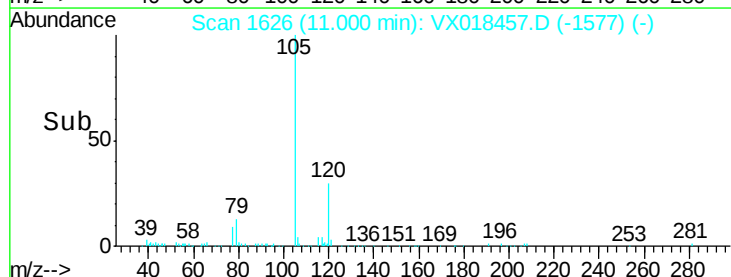
Acq: 17 Sep 2020 09:48

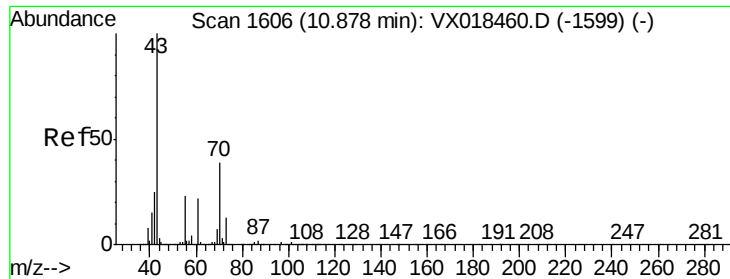
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 30856 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 26.7  | 13.4  | 40.2  |



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.959 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

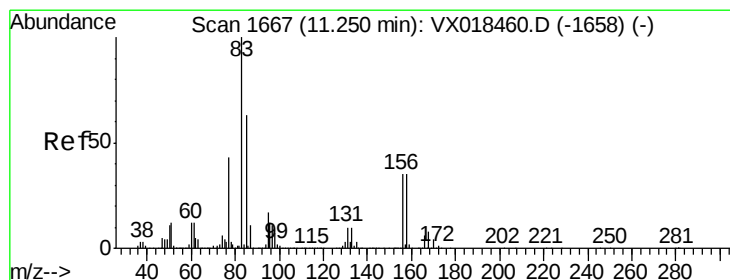
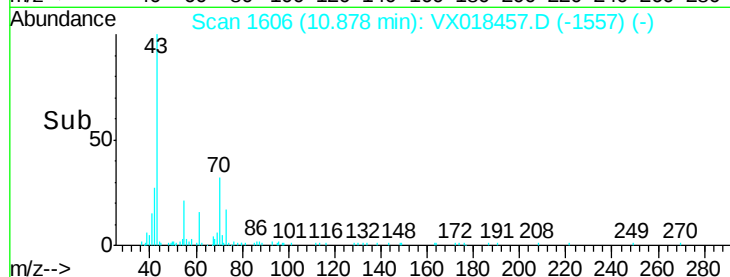
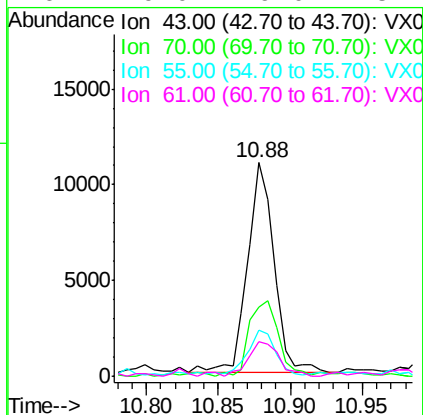
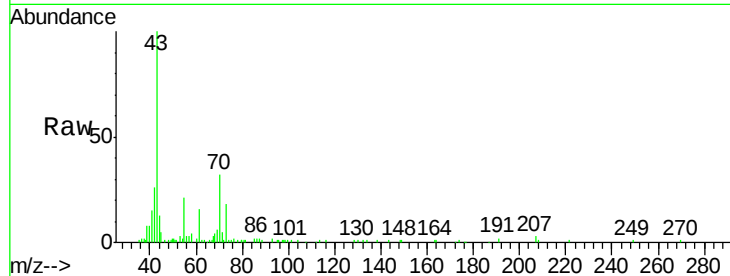
ClientSampleId :

VSTDIC001

| Tot Ion | 43    | Resp  | 13951 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 43      | 100   |       |       |
| 70      | 39.1  | 32.2  | 48.4  |
| 55      | 21.1  | 18.8  | 28.2  |
| 61      | 19.0  | 19.0  | 28.4  |

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.007 ug/l

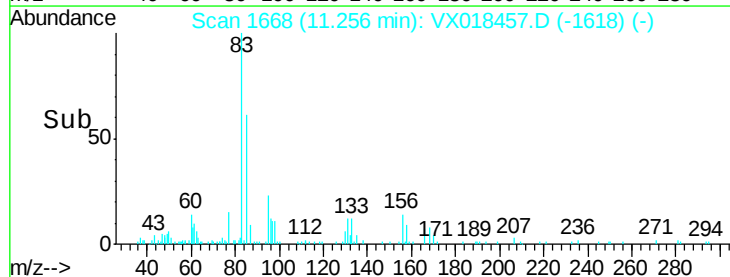
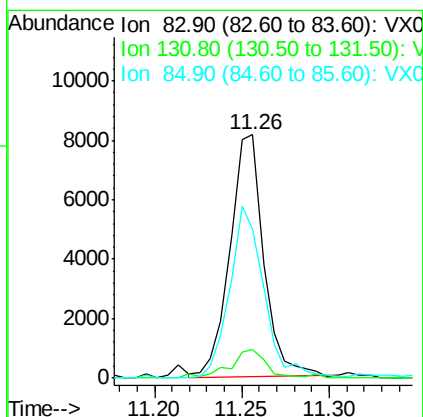
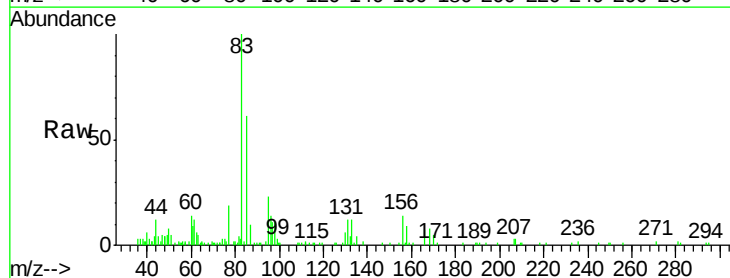
RT: 11.26 min Scan# 1668

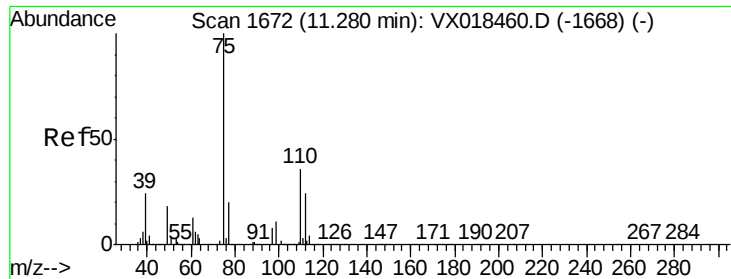
Delta R.T. 0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

| Tgt Ion | 83    | Resp  | 10979 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 131     | 13.2  | 5.1   | 15.4  |
| 85      | 72.0  | 31.8  | 95.4  |





#76

1,2,3-Trichloropropane

Concen: 1.045 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 10876

Ion Ratio Lower Upper

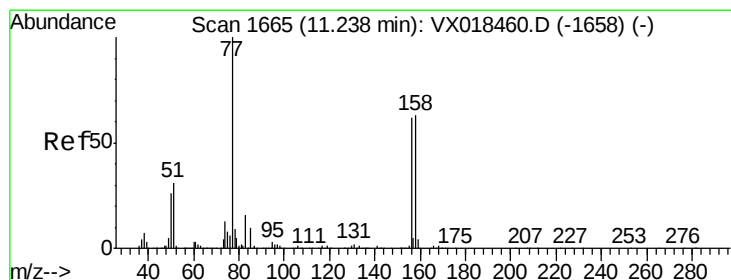
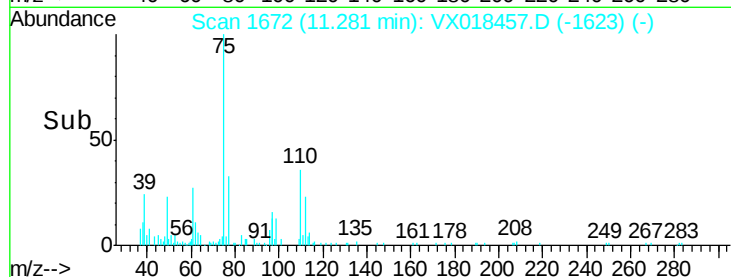
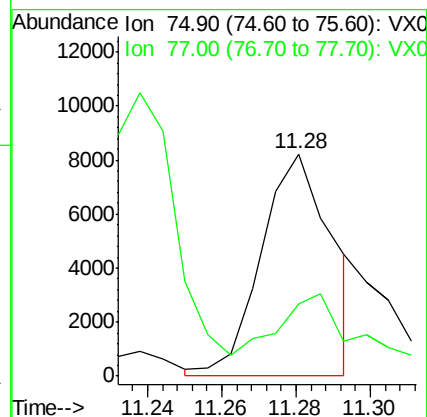
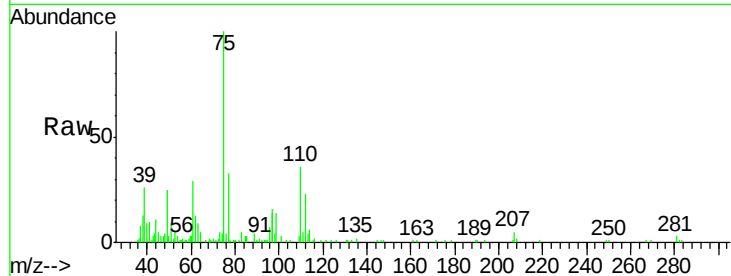
75 100

77 46.9 20.9 62.7

Manual Integrations  
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#77

Bromobenzene

Concen: 1.099 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

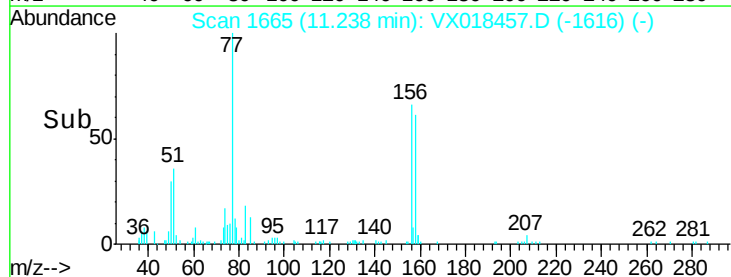
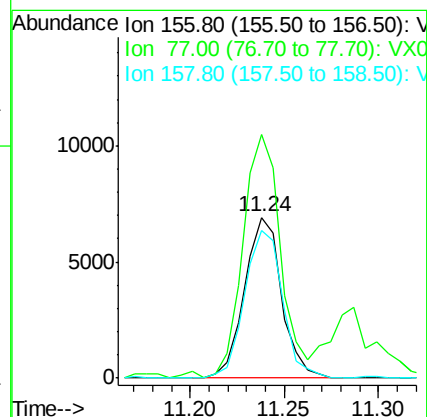
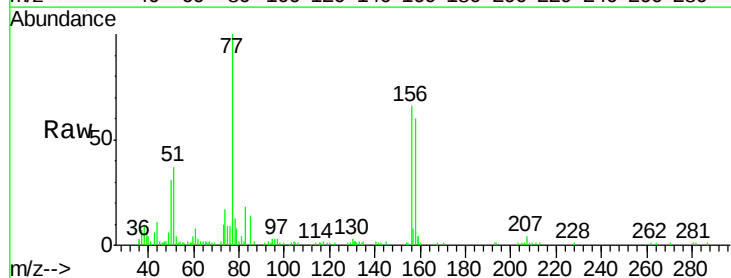
Tgt Ion: 156 Resp: 9444

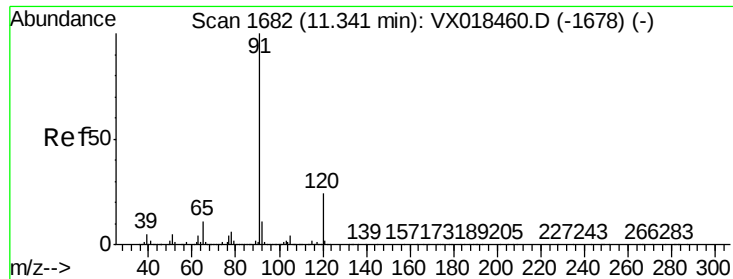
Ion Ratio Lower Upper

156 100

77 154.4 78.8 236.5

158 93.8 48.4 145.3





#78

n-propylbenzene

Concen: 1.007 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 35657

Ion Ratio Lower Upper

91 100

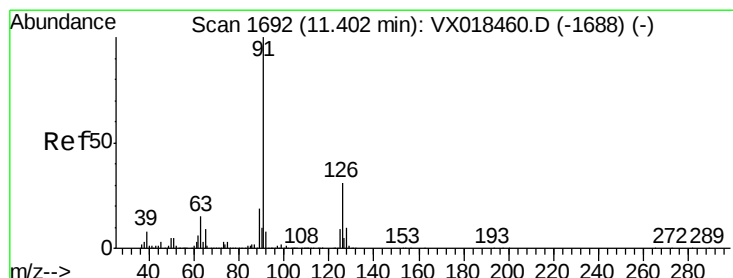
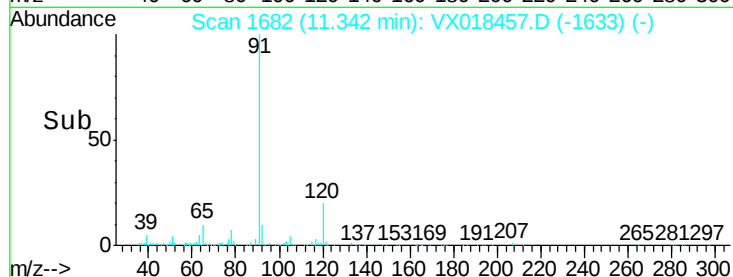
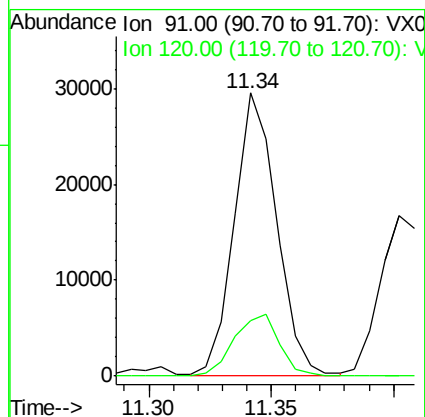
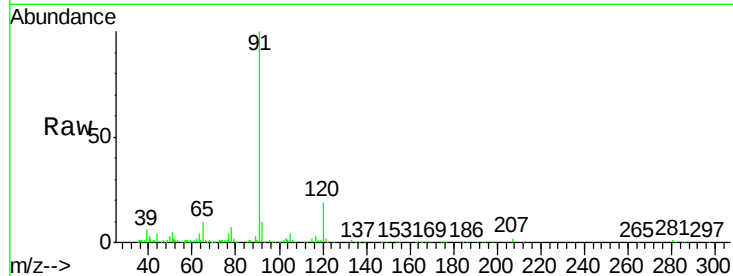
120 23.1 11.8 35.3

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.042 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX018457.D

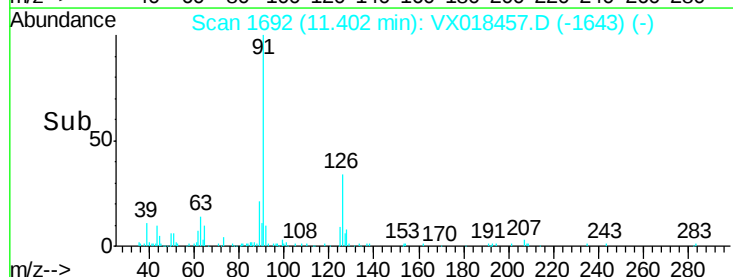
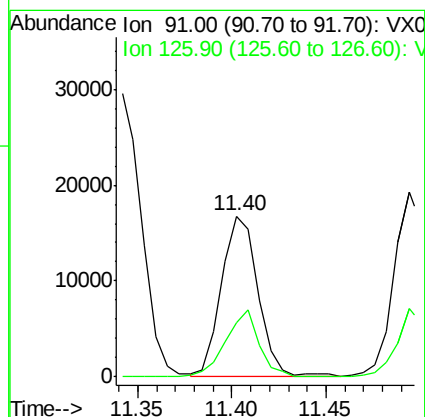
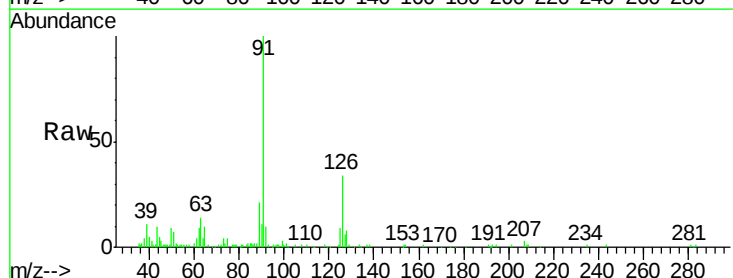
Acq: 17 Sep 2020 09:48

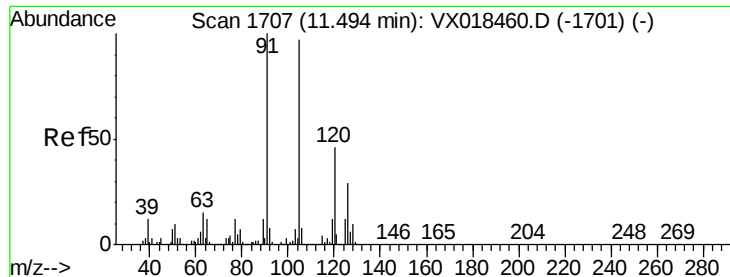
Tgt Ion: 91 Resp: 22708

Ion Ratio Lower Upper

91 100

126 38.3 16.6 49.7





#80

1,3,5-Trimethylbenzene

Concen: 0.965 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 24663

Ion Ratio Lower Upper

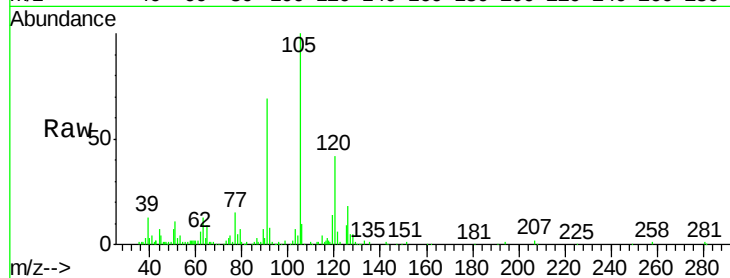
105 100

120 51.0 23.6 71.0

Manual Integrations  
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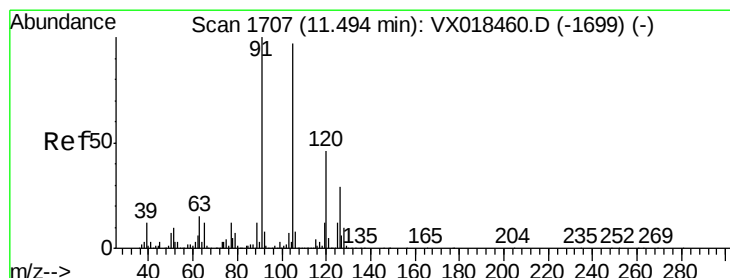
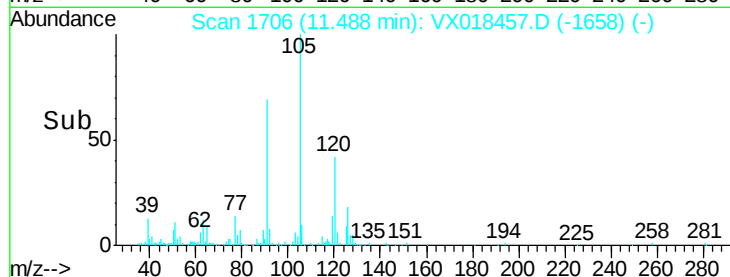
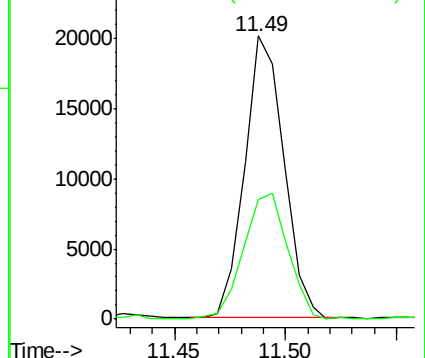
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 0.980 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018457.D

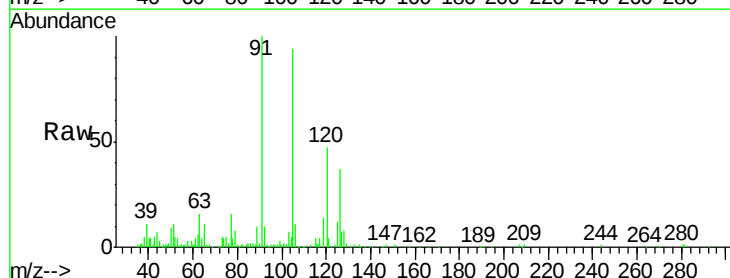
Acq: 17 Sep 2020 09:48

Tgt Ion: 91 Resp: 25408

Ion Ratio Lower Upper

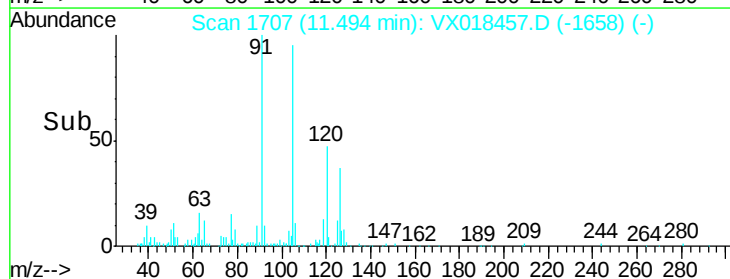
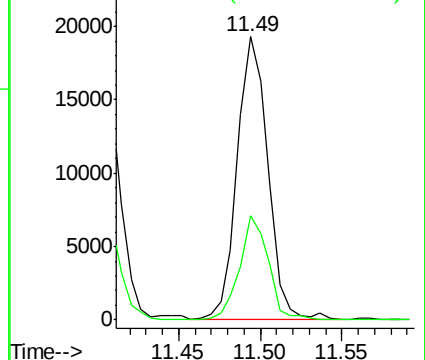
91 100

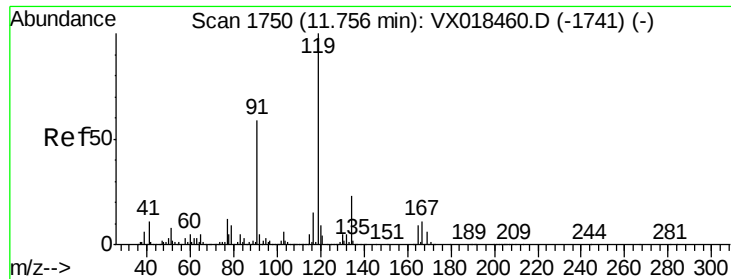
126 34.7 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





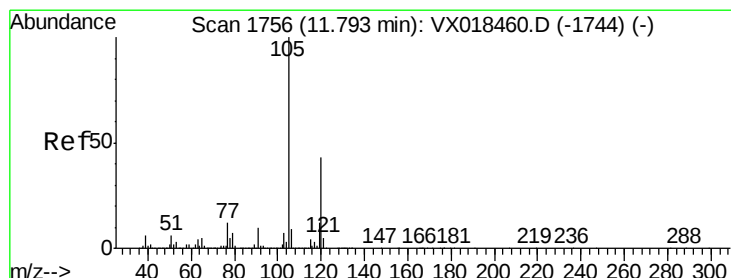
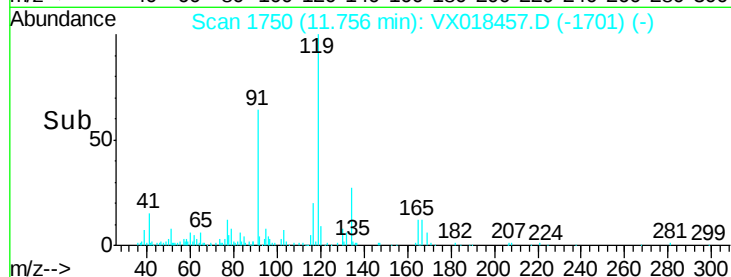
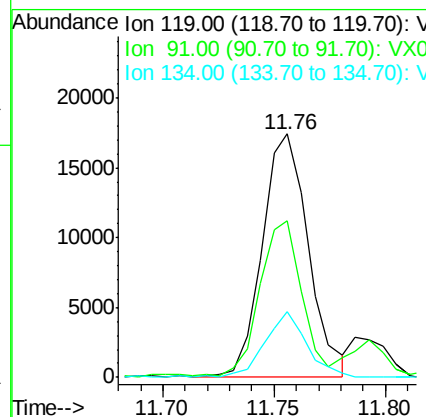
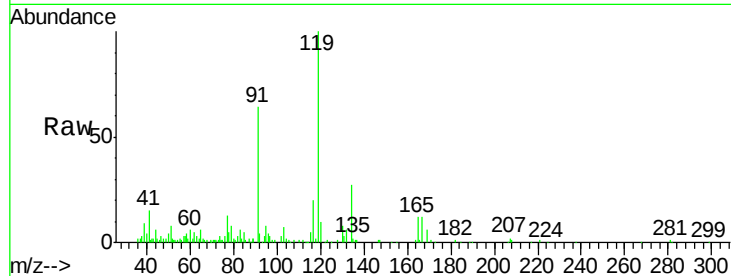
#83  
tert-Butylbenzene  
Concen: 0.992 ug/l  
RT: 11.76 min Scan# 1750  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 57.2  | 28.9  | 86.7  |
| 134     | 24.4  | 11.3  | 33.8  |

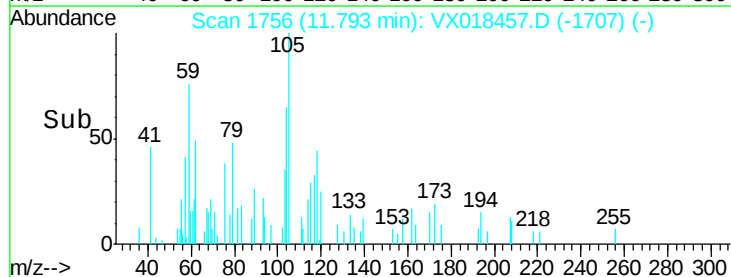
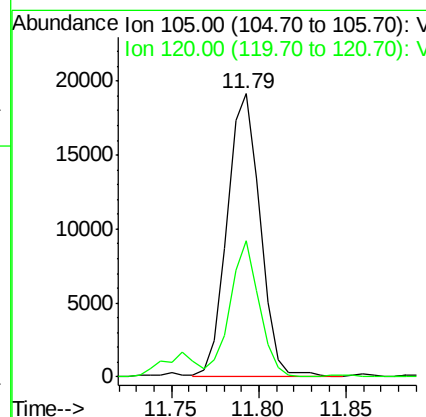
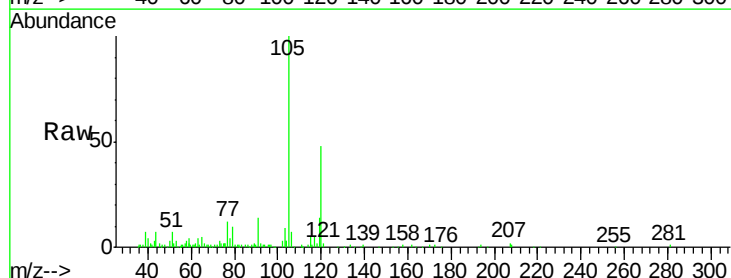
Manual Integrations  
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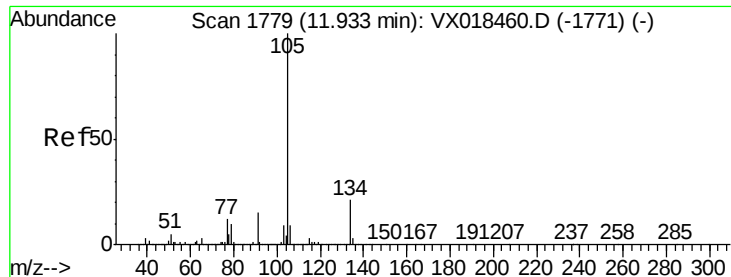
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#84  
1,2,4-Trimethylbenzene  
Concen: 0.963 ug/l  
RT: 11.79 min Scan# 1756  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 42.4  | 21.6  | 65.0  |





#85

sec-Butylbenzene

Concen: 1.003 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 28911

Ion Ratio Lower Upper

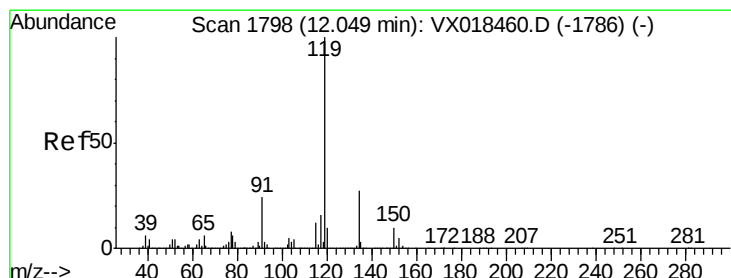
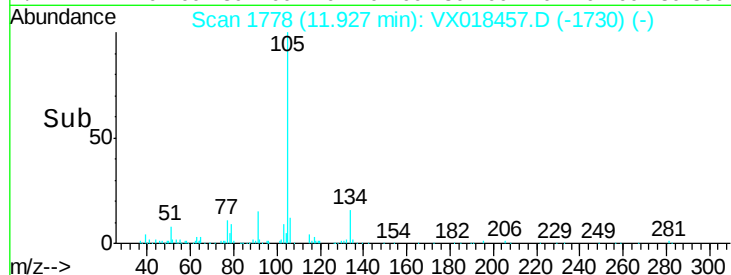
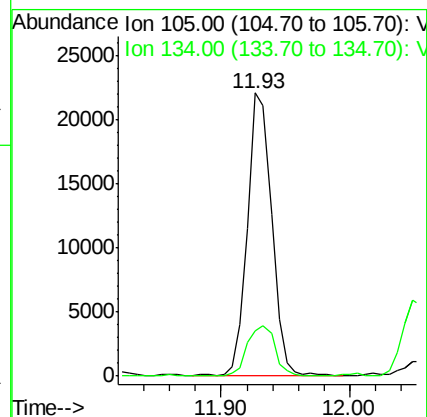
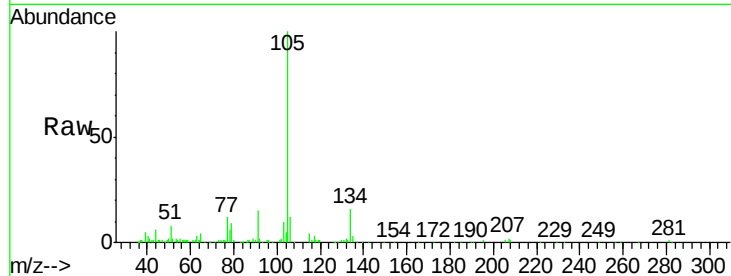
105 100

134 19.9 10.2 30.4

Manual Integrations  
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#86

p-Isopropyltoluene

Concen: 0.973 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

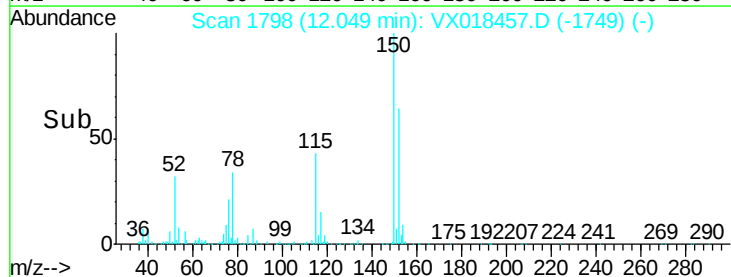
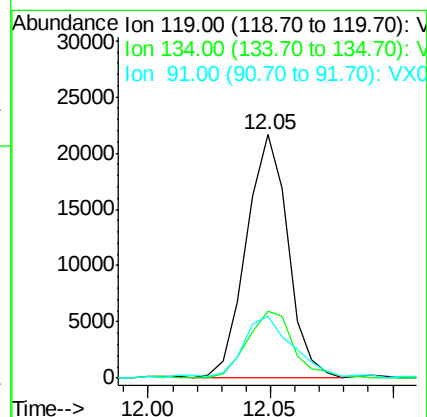
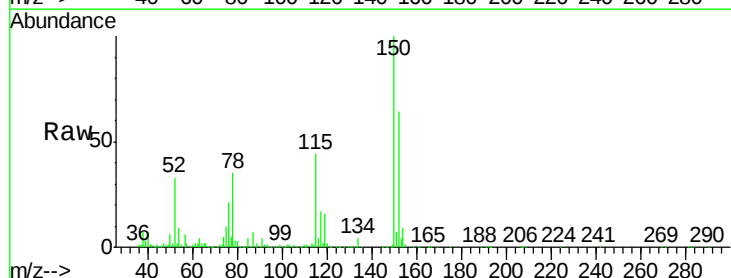
Tgt Ion:119 Resp: 25789

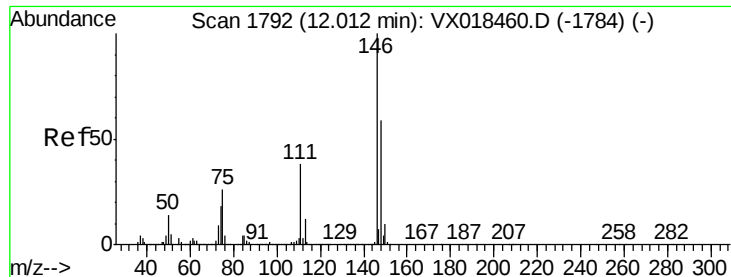
Ion Ratio Lower Upper

119 100

134 30.7 13.3 39.9

91 32.6 11.9 35.9





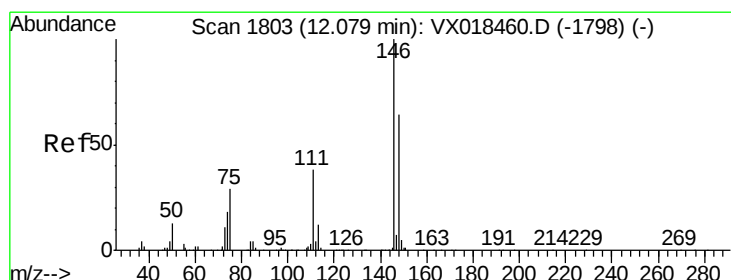
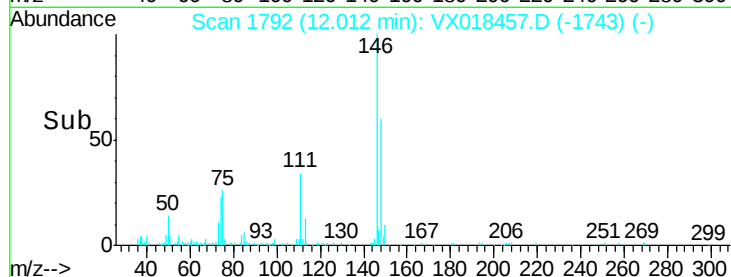
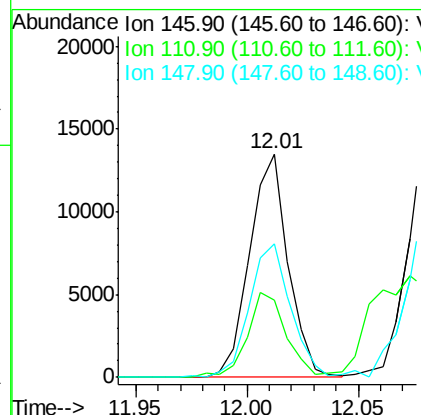
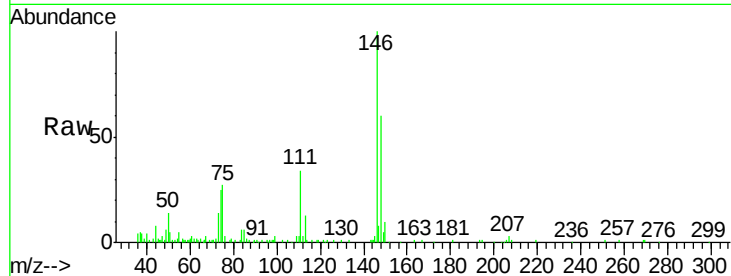
#87  
 1,3-Dichlorobenzene  
 Concen: 1.073 ug/l  
 RT: 12.01 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.1  | 20.4  | 61.2  |
| 148     | 64.5  | 31.1  | 93.2  |

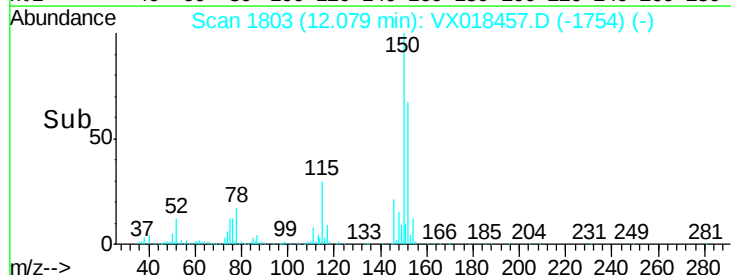
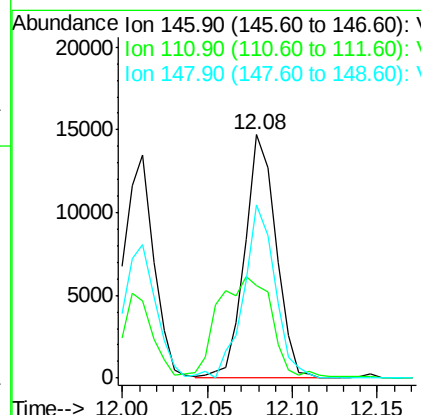
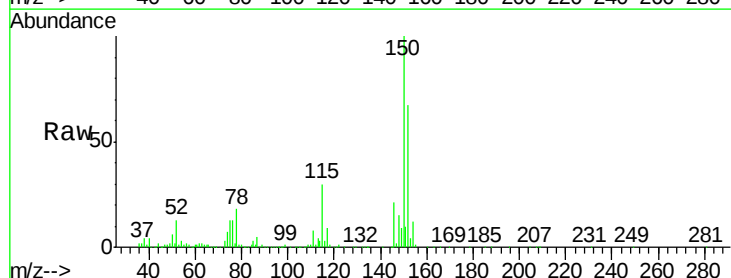
Manual Integrations  
 APPROVED

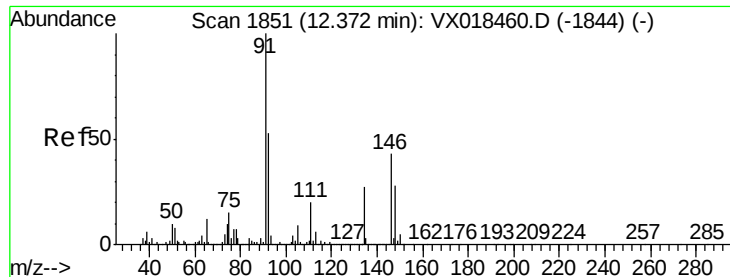
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#88  
 1,4-Dichlorobenzene  
 Concen: 1.217 ug/l m  
 RT: 12.08 min Scan# 1803  
 Delta R.T. 0.00 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 34.4  | 19.4  | 58.4  |
| 148     | 56.8  | 31.8  | 95.4  |





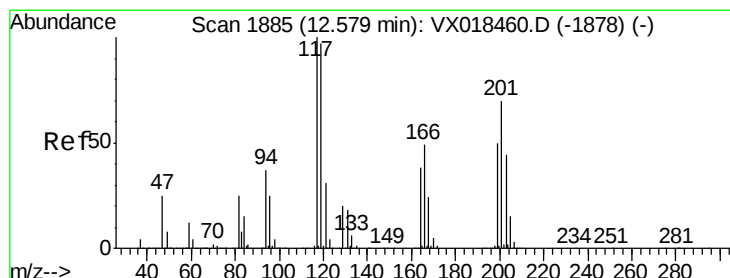
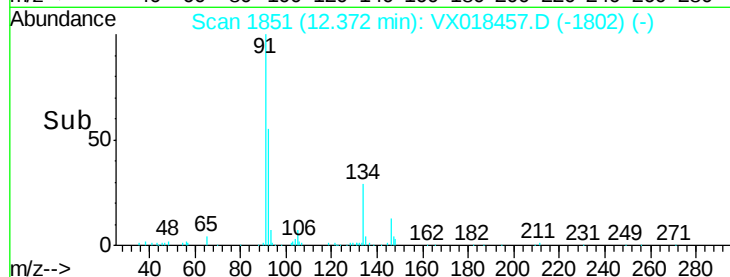
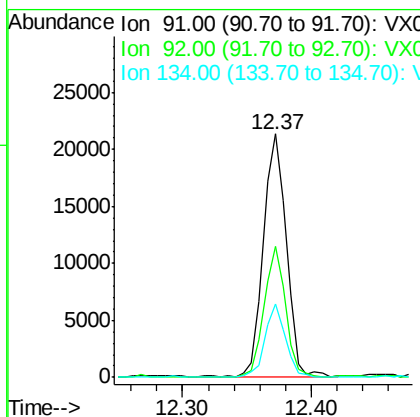
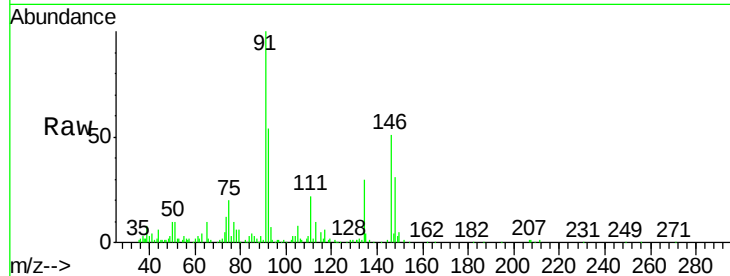
#89  
n-Butylbenzene  
Concen: 1.093 ug/l  
RT: 12.37 min Scan# 1851  
Delta R.T. 0.00 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 49.7  | 26.1  | 78.2  |
| 134     | 26.9  | 13.3  | 39.8  |

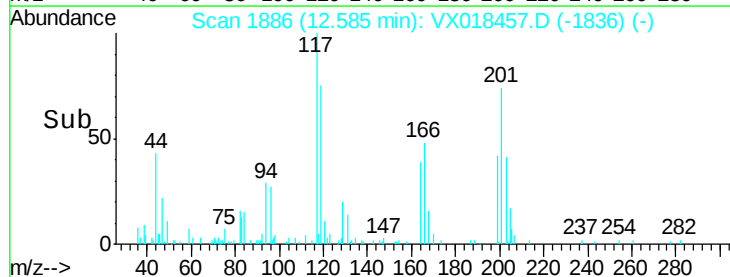
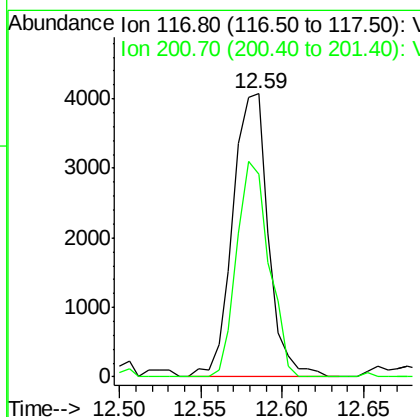
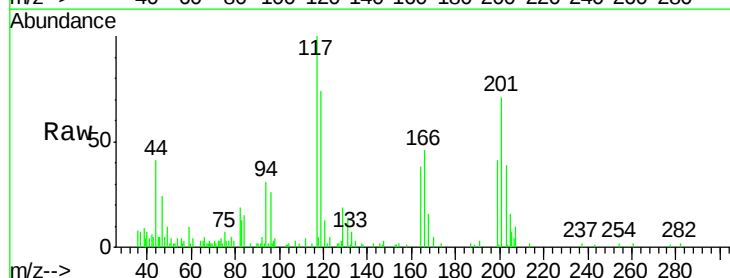
Manual Integrations  
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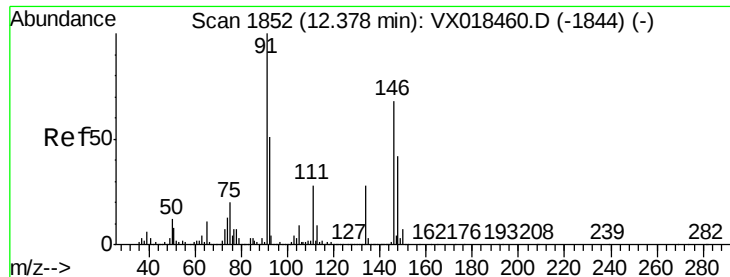
MMDadoda  
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#90  
Hexachloroethane  
Concen: 1.192 ug/l  
RT: 12.59 min Scan# 1886  
Delta R.T. 0.01 min  
Lab File: VX018457.D  
Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 69.2  | 36.2  | 108.6 |





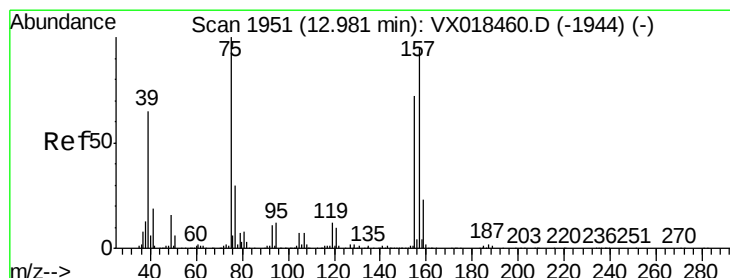
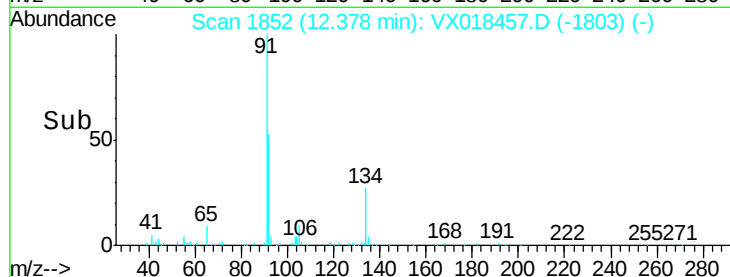
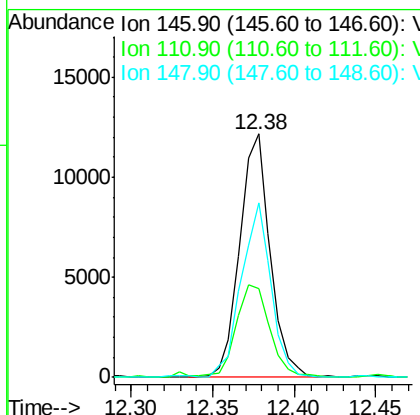
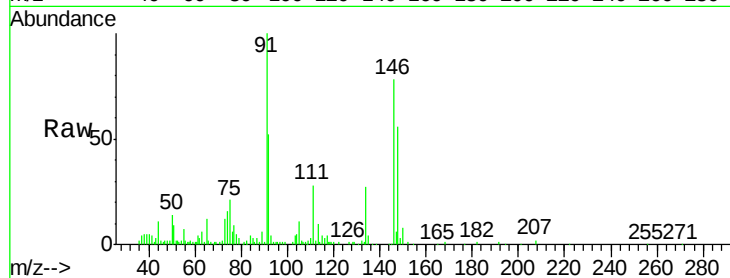
#91  
 1,2-Dichlorobenzene  
 Concen: 1.115 ug/l  
 RT: 12.38 min Scan# 1852  
 Delta R.T. 0.00 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.1  | 21.5  | 64.5  |
| 148     | 70.0  | 32.1  | 96.5  |

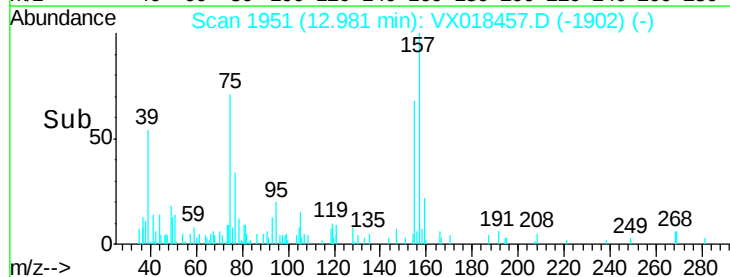
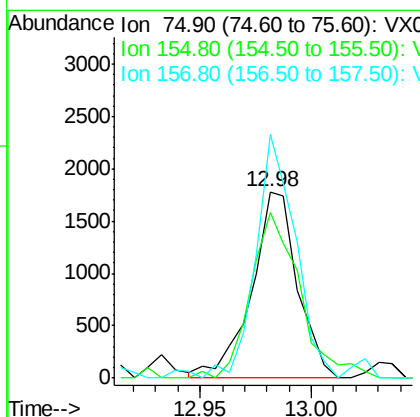
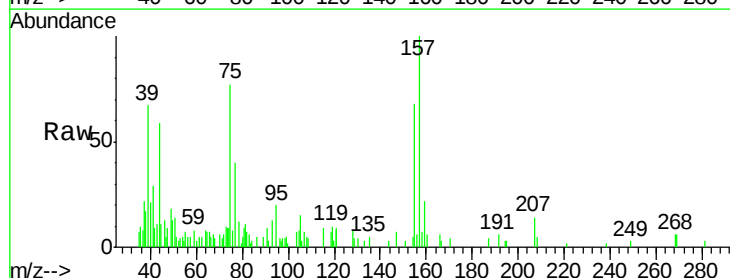
Manual Integrations  
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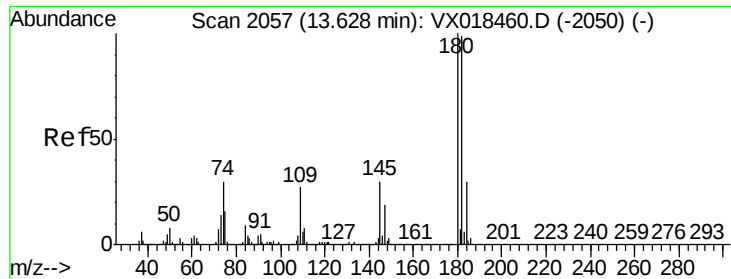
MMDadoda  
 9/18/2020 12:19:33 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.935 ug/l  
 RT: 12.98 min Scan# 1951  
 Delta R.T. 0.00 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 95.3  | 38.8  | 116.4 |
| 157     | 112.1 | 51.1  | 153.3 |





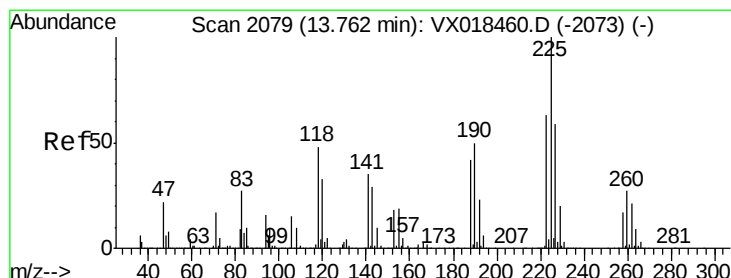
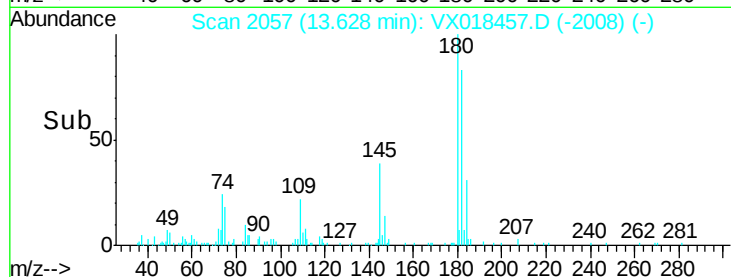
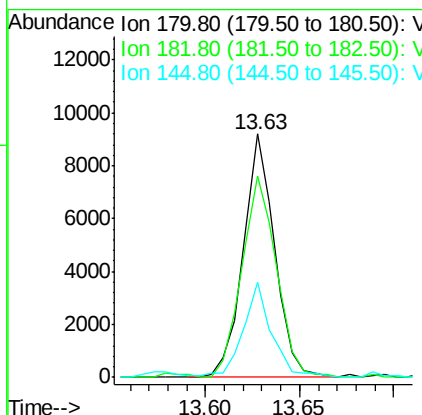
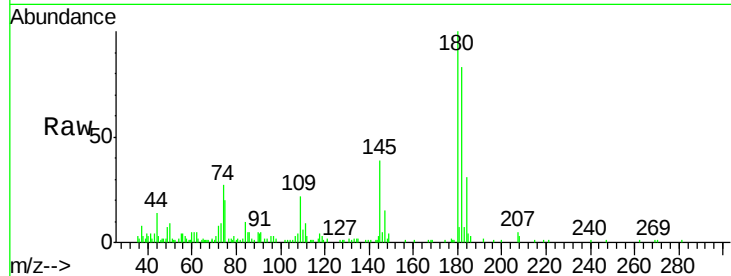
#93  
 1,2,4-Trichlorobenzene  
 Concen: 1.122 ug/l  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 90.7  | 50.2  | 150.6 |
| 145     | 35.5  | 15.7  | 47.1  |

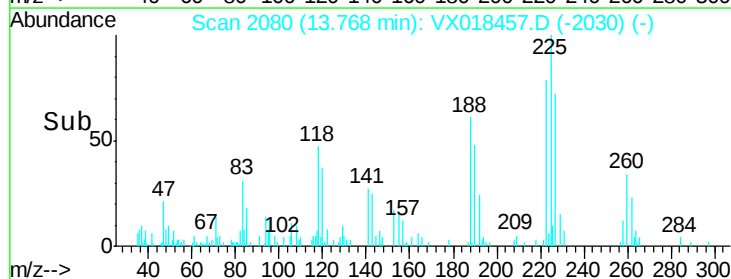
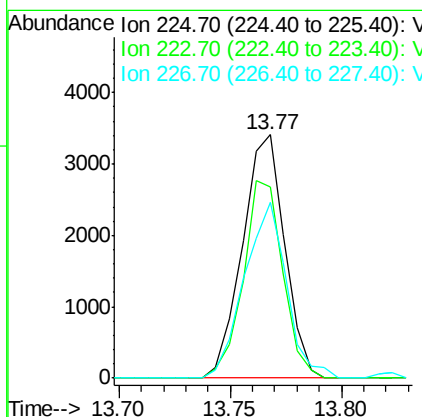
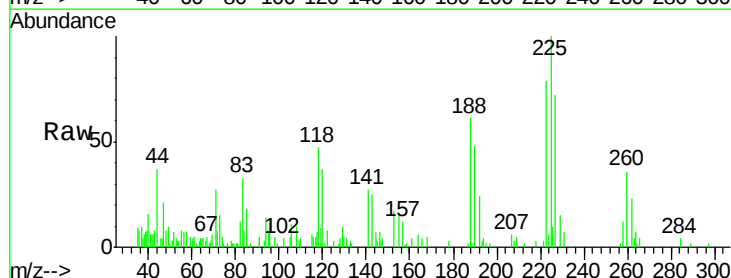
Manual Integrations  
 APPROVED

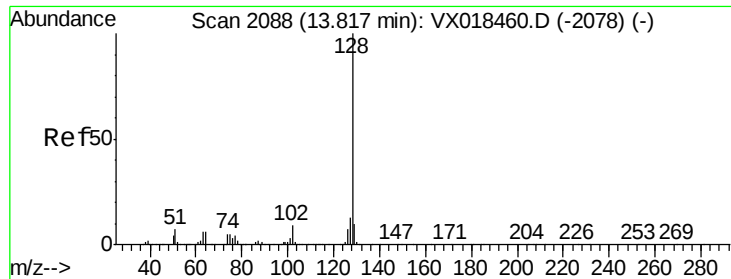
MMDadoda  
 9/18/2020 12:19:33 PM



#94  
 Hexachlorobutadiene  
 Concen: 1.183 ug/l  
 RT: 13.77 min Scan# 2080  
 Delta R.T. 0.01 min  
 Lab File: VX018457.D  
 Acq: 17 Sep 2020 09:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 76.2  | 32.0  | 96.2  |
| 227     | 72.2  | 31.7  | 95.1  |





#95

Naphthalene

Concen: 0.874 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

Instrument :

MSVOA\_X

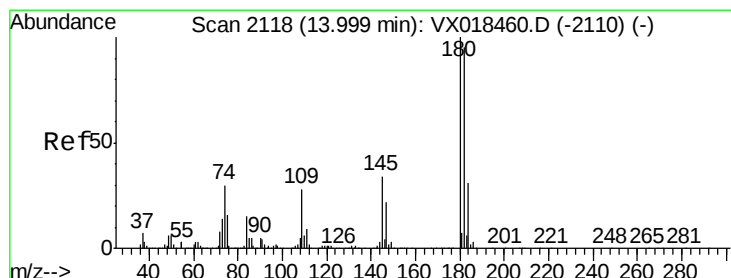
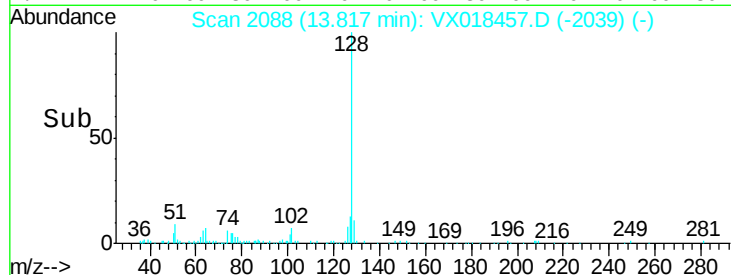
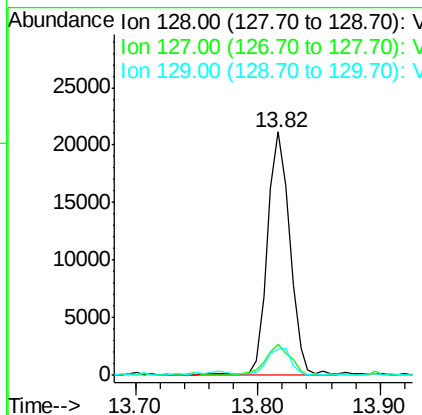
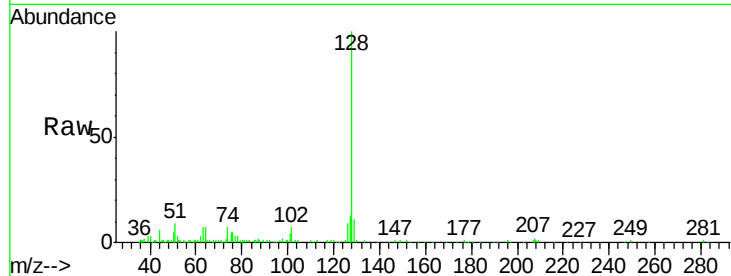
ClientSampleId :

VSTDIC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 27168 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.1  | 10.3  | 15.5  |
| 129       | 12.6  | 8.7   | 13.1  |

Manual Integrations  
APPROVED

MMDadoda  
9/18/2020 12:19:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 1.072 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX018457.D

Acq: 17 Sep 2020 09:48

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 10101 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 88.5  | 47.1  | 141.3 |
| 145       | 38.2  | 16.8  | 50.4  |

