

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\  
 Data File : VX004193.D  
 Acq On : 22 Aug 2018 11:41  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/23/2018 9:39:53 AM

Quant Time: Aug 23 04:52:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 04:40:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 322811   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 468381   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 404104   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 277159   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 201717   | 47.94 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.88% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 168019   | 48.22 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.44% |      |
| 50) Toluene-d8            | 8.71   | 98  | 652426   | 49.60 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.20% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 241410   | 49.19 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.38% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 201641  | 53.93  | ug/l | 100    |
| 3) Chloromethane              | 1.32 | 50  | 207454  | 47.60  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 217900  | 51.52  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 107602  | 42.02  | ug/l | 100    |
| 6) Chloroethane               | 1.72 | 64  | 141234  | 43.46  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 293232  | 50.59  | ug/l | 100    |
| 8) Diethyl Ether              | 2.18 | 74  | 122581  | 49.39  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 176168  | 48.53  | ug/l | 100    |
| 10) Methyl Iodide             | 2.51 | 142 | 201565  | 54.00  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.08 | 59  | 224692  | 250.53 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 166212  | 48.60  | ug/l | 100    |
| 13) Acrolein                  | 2.29 | 56  | 52832   | 244.34 | ug/l | 100    |
| 14) Allyl chloride            | 2.73 | 41  | 314338  | 50.03  | ug/l | 100    |
| 15) Acrylonitrile             | 3.15 | 53  | 537055  | 241.80 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 444568  | 222.41 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.57 | 76  | 469982  | 46.74  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 314900  | 50.44  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 553450  | 49.11  | ug/l | 100    |
| 20) Methylene Chloride        | 2.86 | 84  | 187697  | 46.34  | ug/l | 100    |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 179907  | 47.53  | ug/l | 100    |
| 22) Diisopropyl ether         | 3.87 | 45  | 572393  | 48.79  | ug/l | 100    |
| 23) Vinyl Acetate             | 3.82 | 43  | 2378647 | 250.17 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 341670  | 49.98  | ug/l | 100    |
| 25) 2-Butanone                | 4.70 | 43  | 708316  | 226.86 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 265447  | 49.50  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 208626  | 48.59  | ug/l | 100    |
| 28) Bromochloromethane        | 5.01 | 49  | 157391  | 52.00  | ug/l | 100    |
| 29) Tetrahydrofuran           | 5.16 | 42  | 452089  | 250.09 | ug/l | 100    |
| 30) Chloroform                | 5.21 | 83  | 336895  | 49.15  | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 298266  | 50.56  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 286356  | 50.10  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 262041  | 49.76  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.86 | 43  | 260343  | 50.27  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 252693  | 51.01  | ug/l | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082218\  
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 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDICCC050

Manual Integrations  
 APPROVED

MMDadoda  
 8/23/2018 9:39:53 AM

Quant Time: Aug 23 04:52:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 04:40:05 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 303642   | 50.51   | ug/l  | 100      |
| 40) Benzene                    | 6.14  | 78   | 789825   | 50.20   | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.06  | 41   | 151166   | 50.36   | ug/l  | 100      |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 266535   | 49.66   | ug/l  | 100      |
| 43) Isopropyl Acetate          | 6.46  | 43   | 407620   | 51.22   | ug/l  | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 211748   | 48.62   | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 199391   | 50.63   | ug/l  | 100      |
| 46) Dibromomethane             | 7.66  | 93   | 130560   | 49.79   | ug/l  | 100      |
| 47) Bromodichloromethane       | 7.90  | 83   | 251958   | 51.64   | ug/l  | 100      |
| 48) Methyl methacrylate        | 7.77  | 41   | 222181   | 52.18   | ug/l  | 100      |
| 49) 1,4-Dioxane                | 7.76  | 88   | 100125   | 1035.70 | ug/l  | 100      |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1406763  | 243.31  | ug/l  | 100      |
| 52) Toluene                    | 8.79  | 92   | 502792   | 51.05   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 285505   | 52.98   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 308770   | 52.60   | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 201213   | 50.61   | ug/l  | 100      |
| 56) Ethyl methacrylate         | 9.18  | 69   | 288718   | 53.34   | ug/l  | 100      |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 338056   | 50.44   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 761307   | 274.52  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.50  | 43   | 1080412  | 244.94  | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.59  | 129  | 203358   | 52.50   | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 208821   | 50.75   | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 201363   | 50.44   | ug/l  | 100      |
| 65) Chlorobenzene              | 10.14 | 112  | 504667   | 49.76   | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 181923   | 52.01   | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.26 | 91   | 874195   | 53.08   | ug/l  | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 696743   | 108.18  | ug/l  | 100      |
| 69) o-Xylene                   | 10.70 | 106  | 334280   | 54.87   | ug/l  | 100      |
| 70) Styrene                    | 10.71 | 104  | 551196   | 55.88   | ug/l  | 100      |
| 71) Bromoform                  | 10.86 | 173  | 150439   | 53.35   | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 958595   | 52.66   | ug/l  | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 366611   | 52.31   | ug/l  | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 312515   | 49.06   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 282119m  | 51.56   | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 253805   | 49.70   | ug/l  | 100      |
| 78) n-propylbenzene            | 11.36 | 91   | 1112260  | 53.13   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 651716   | 50.57   | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 801046   | 53.14   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 91199    | 52.49   | ug/l  | 100      |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 770214   | 50.79   | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 809756   | 53.39   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 839254   | 54.24   | ug/l  | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 946259   | 52.55   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 873102   | 54.10   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 472364   | 49.13   | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 482450   | 47.72   | ug/l  | 100      |
| 89) n-Butylbenzene             | 12.39 | 91   | 677958   | 51.66   | ug/l  | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 115175   | 51.06   | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 433293   | 49.31   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 57457    | 51.21   | ug/l  | 100      |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\  
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Acq On : 22 Aug 2018 11:41  
Operator : JC/MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

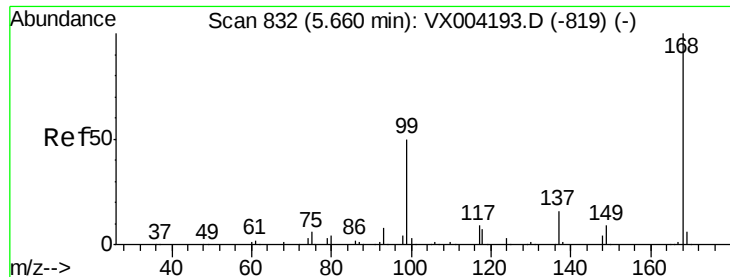
MMDadoda  
8/23/2018 9:39:53 AM

Quant Time: Aug 23 04:52:10 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 04:40:05 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 314673   | 49.22 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 151323   | 48.21 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 1012261  | 55.98 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 342195   | 50.56 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 322811

Ion Ratio Lower Upper

168 100

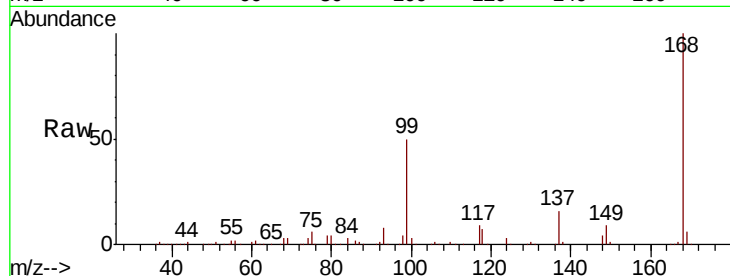
99 49.9 39.9 59.9

Manual Integrations

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8/23/2018 9:39:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

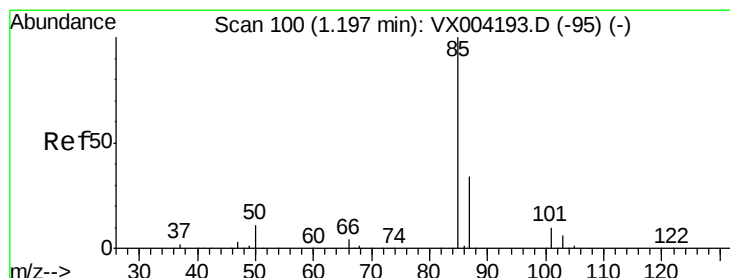
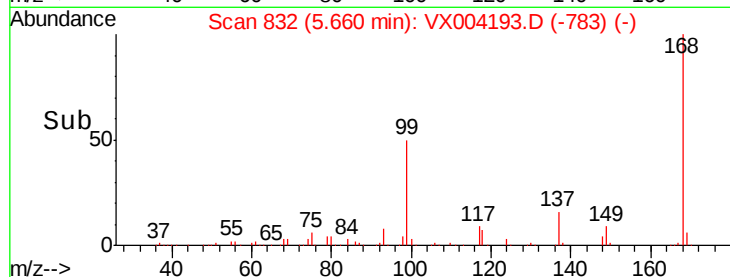
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 53.93 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX004193.D

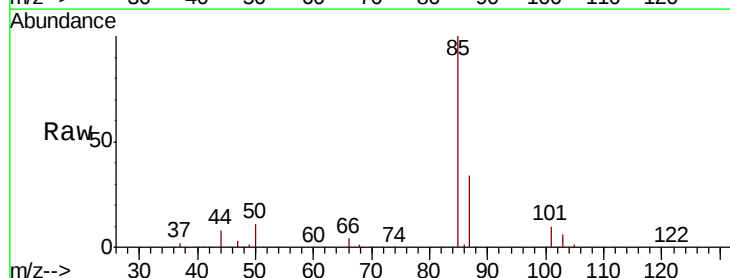
Acq: 22 Aug 2018 11:41

Tgt Ion: 85 Resp: 201641

Ion Ratio Lower Upper

85 100

87 33.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

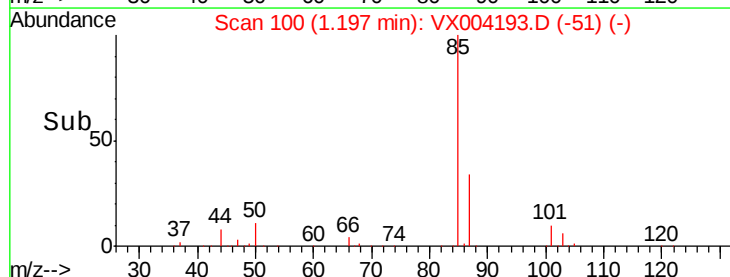
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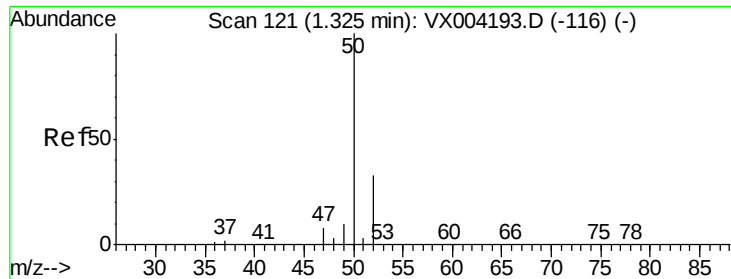
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 47.60 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 207454

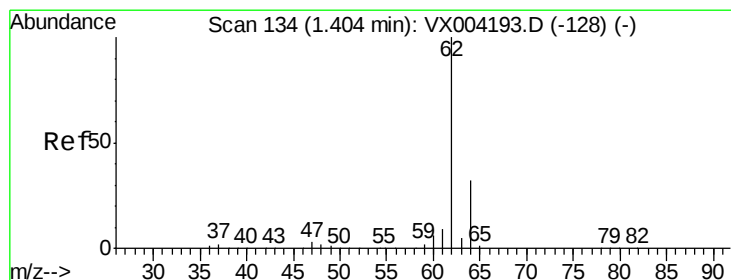
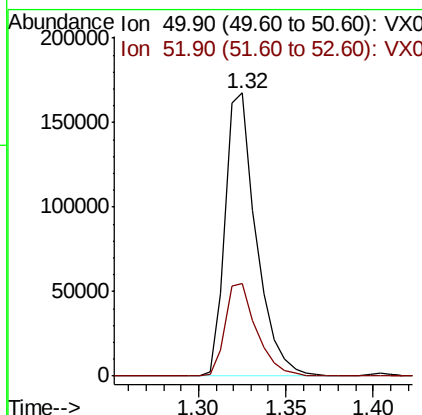
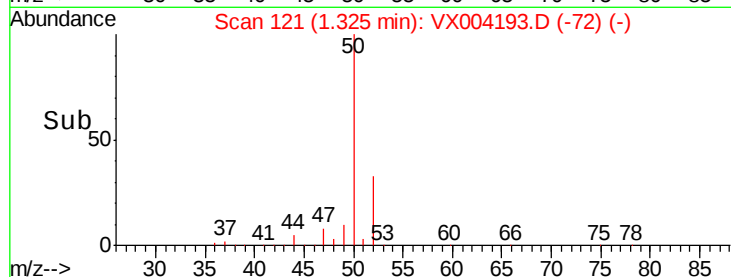
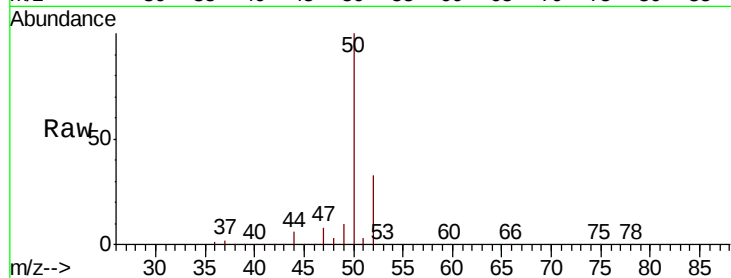
Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2

Manual Integrations  
APPROVED

MMDadoda  
8/23/2018 9:39:53 AM



#4

Vinyl Chloride

Concen: 51.52 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004193.D

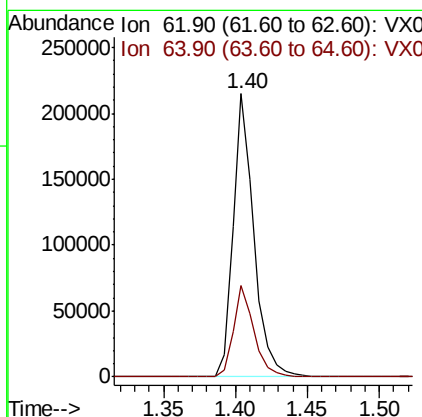
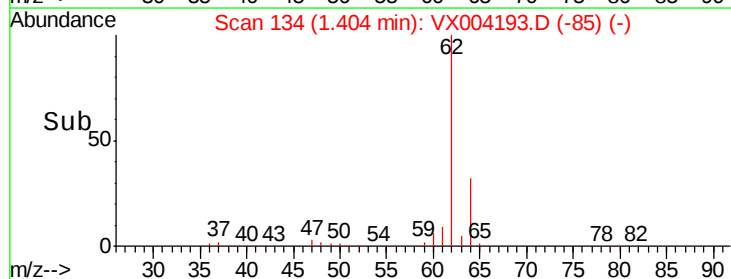
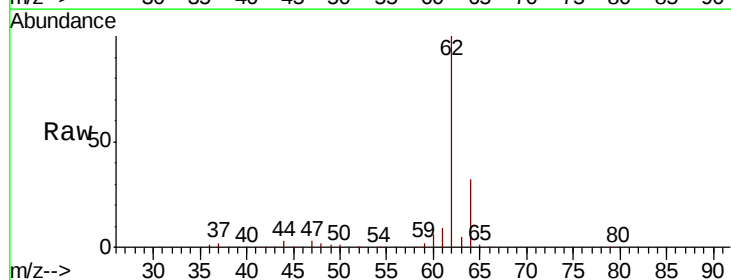
Acq: 22 Aug 2018 11:41

Tgt Ion: 62 Resp: 217900

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 42.02 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 107602

Ion Ratio Lower Upper

94 100

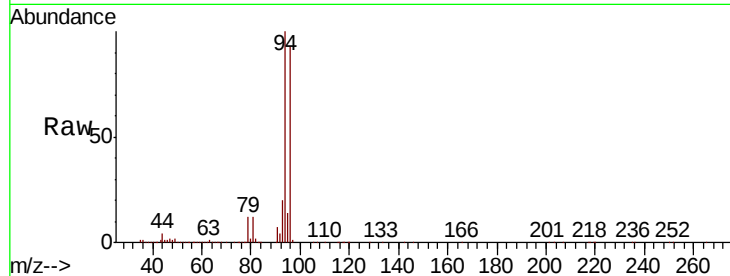
96 93.1 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

8/23/2018 9:39:53 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

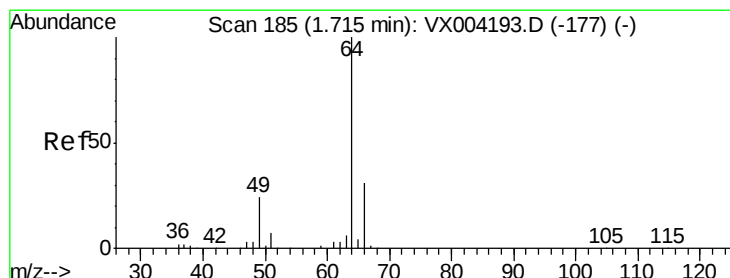
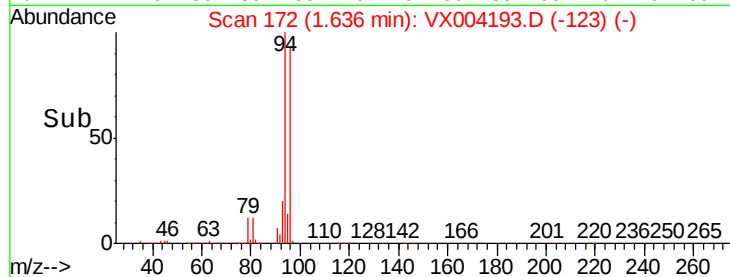
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 43.46 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004193.D

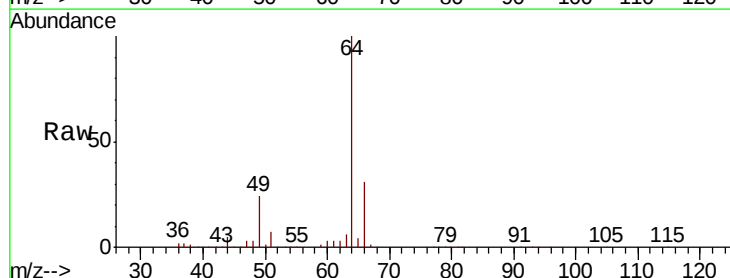
Acq: 22 Aug 2018 11:41

Tgt Ion: 64 Resp: 141234

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

120000

100000

80000

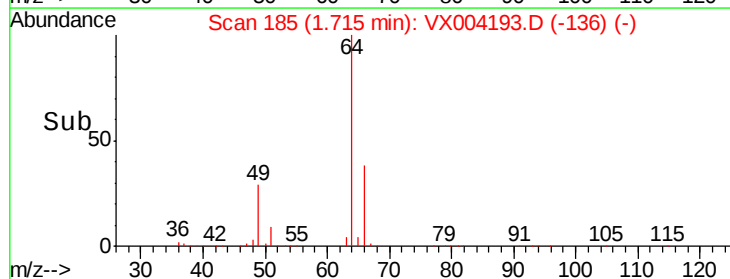
60000

40000

20000

0

Time-->





#7

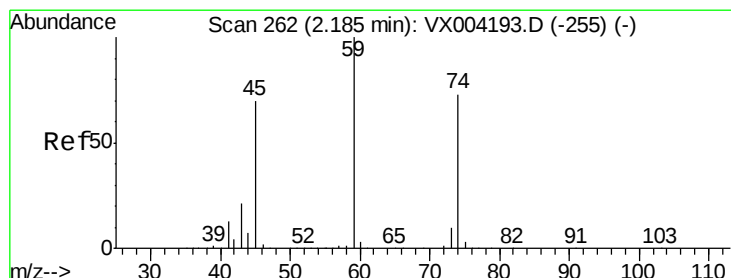
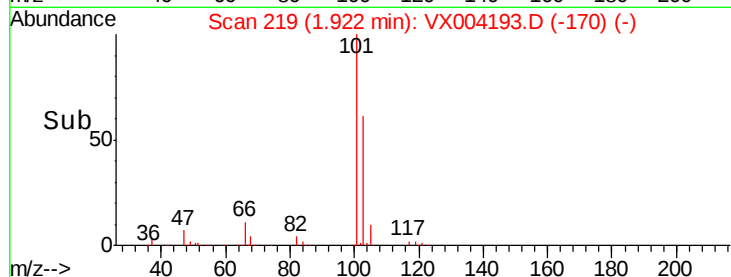
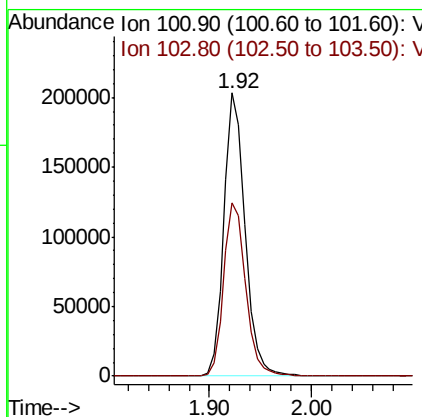
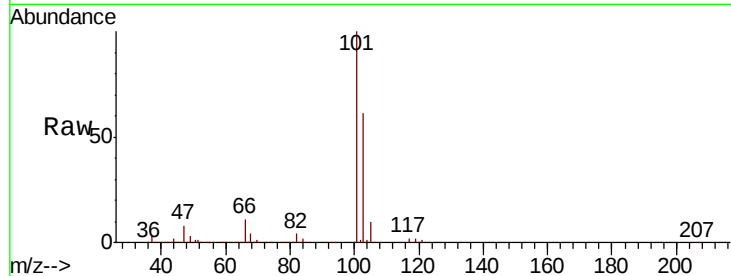
Trichlorofluoromethane  
Concen: 50.59 ug/l  
RT: 1.92 min Scan# 219  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 101     | 100  |       | 293232 |       |       |
| 103     | 61.1 | 48.9  | 73.3   |       |       |

Manual Integrations  
APPROVED

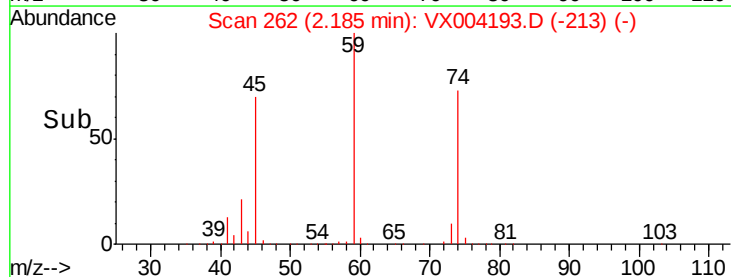
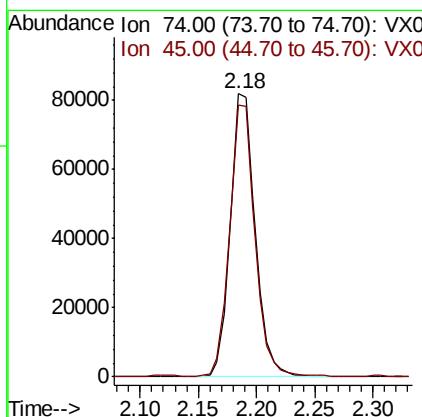
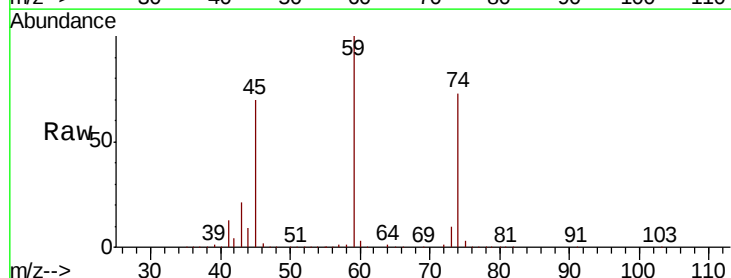
MMDadoda  
8/23/2018 9:39:53 AM

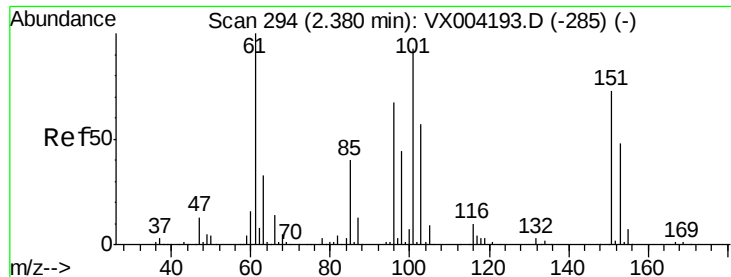


#8

Diethyl Ether  
Concen: 49.39 ug/l  
RT: 2.18 min Scan# 262  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 74      | 100  |       | 122581 |       |       |
| 45      | 96.5 | 48.3  | 144.8  |       |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.53 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

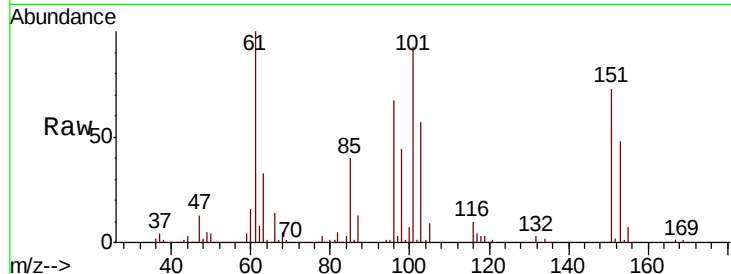
ClientSampleId :

VSTDICCC050

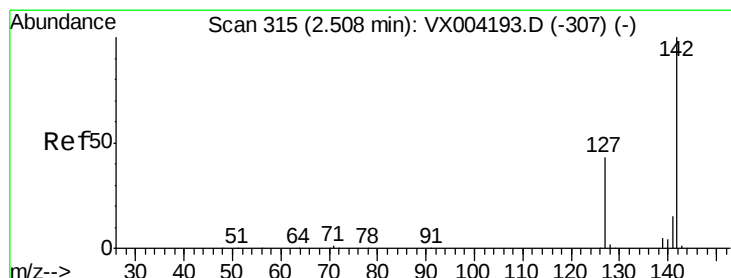
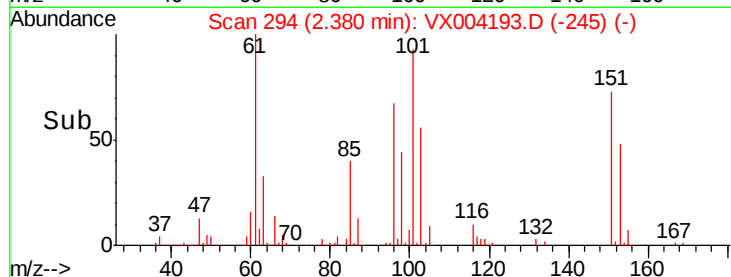
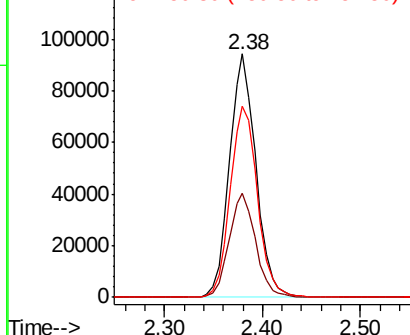
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 176168 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.8  | 34.2  | 51.4   |
| 151       | 81.3  | 65.0  | 97.6   |

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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.00 ug/l

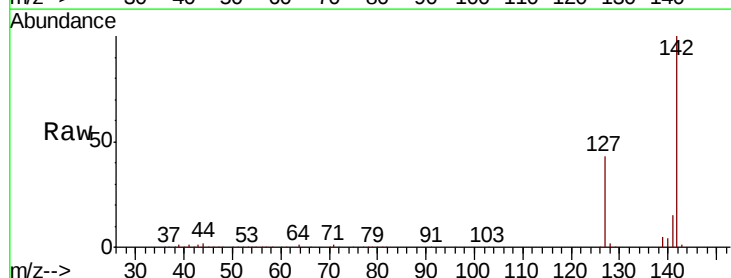
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

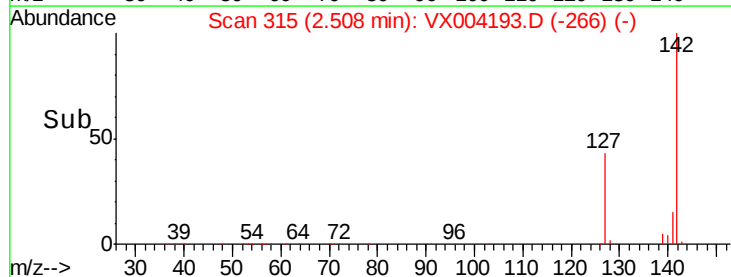
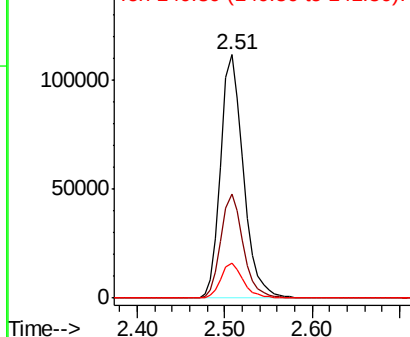
Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 201565 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 42.2  | 33.8  | 50.6   |
| 141       | 14.2  | 11.4  | 17.0   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





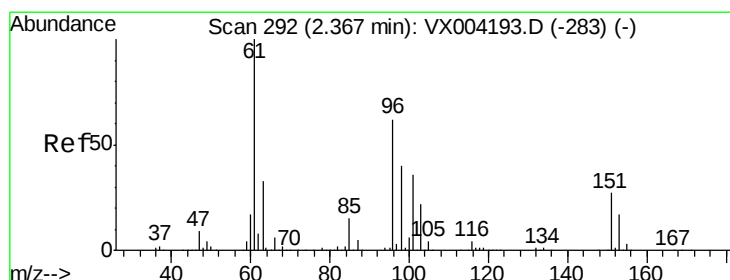
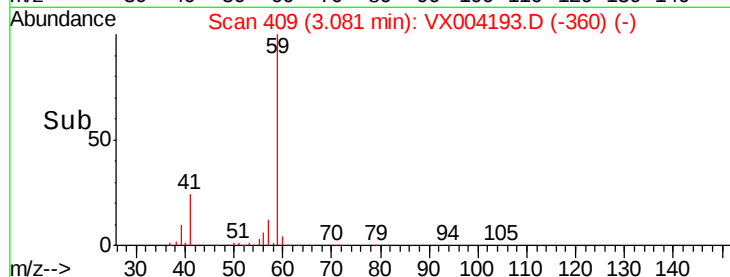
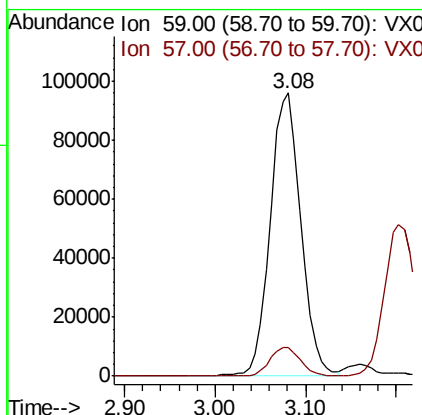
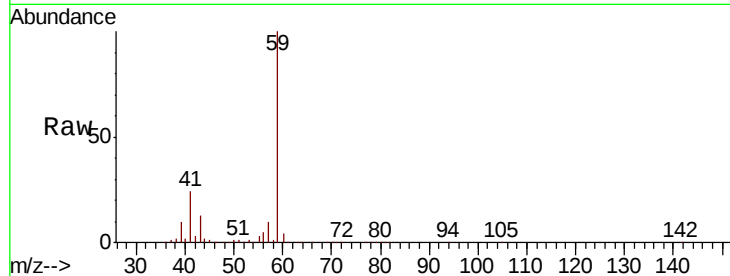
#11  
Tert butyl alcohol  
Concen: 250.53 ug/l  
RT: 3.08 min Scan# 409  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.2   | 12.4  |

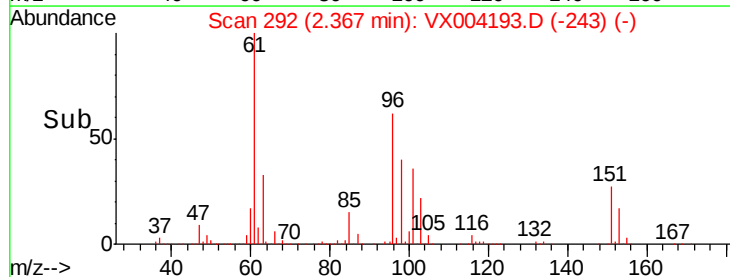
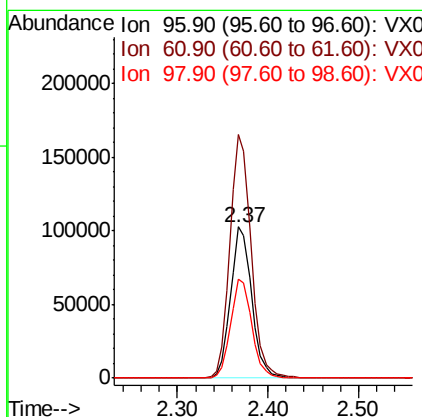
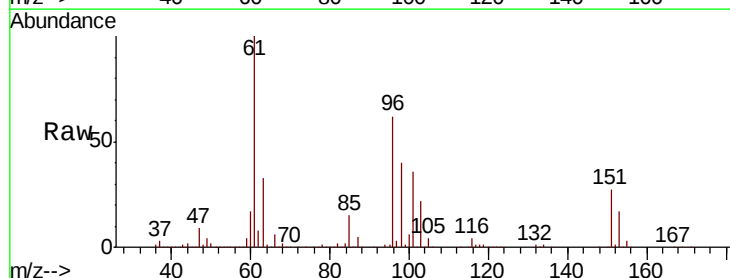
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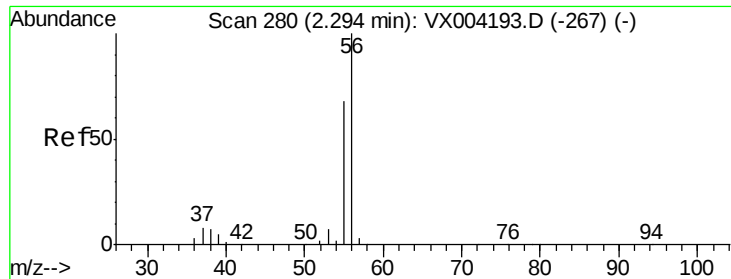
MMDadoda  
8/23/2018 9:39:53 AM



#12  
1,1-Dichloroethene  
Concen: 48.60 ug/l  
RT: 2.37 min Scan# 292  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 161.0 | 128.8 | 193.2 |
| 98      | 65.2  | 52.2  | 78.2  |





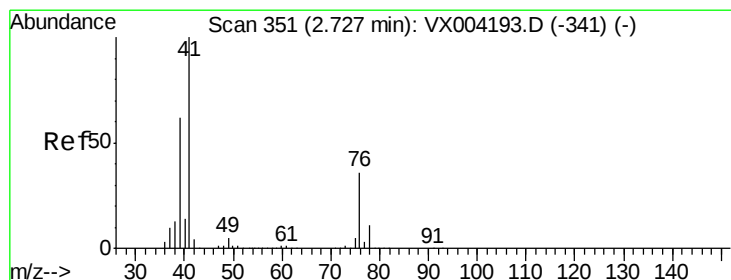
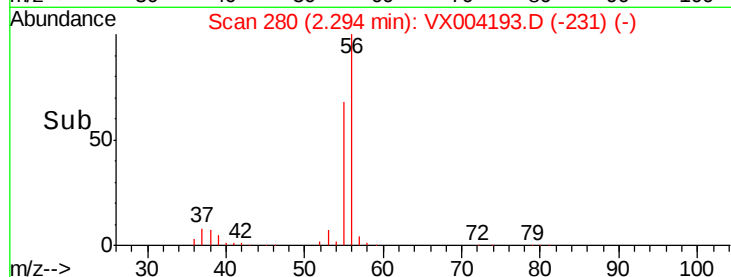
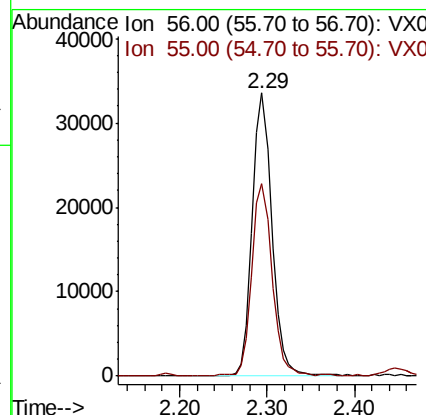
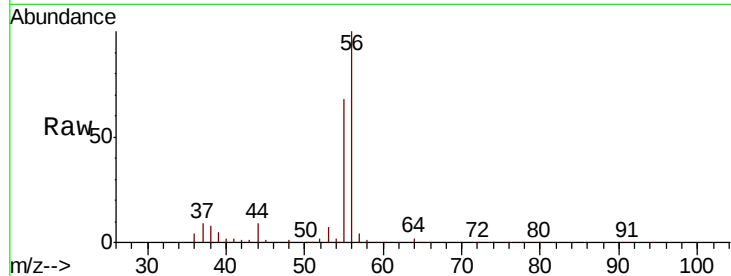
#13  
 Acrolein  
 Concen: 244.34 ug/l  
 RT: 2.29 min Scan# 280  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 68.4  | 54.7  | 82.1  |

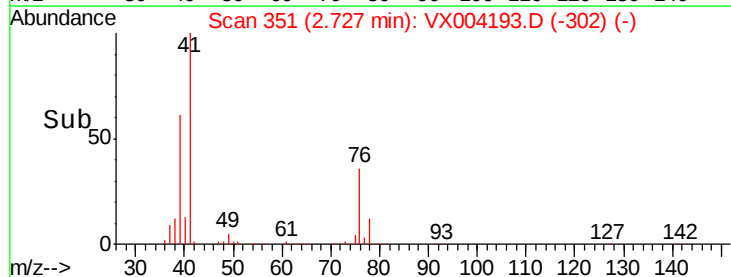
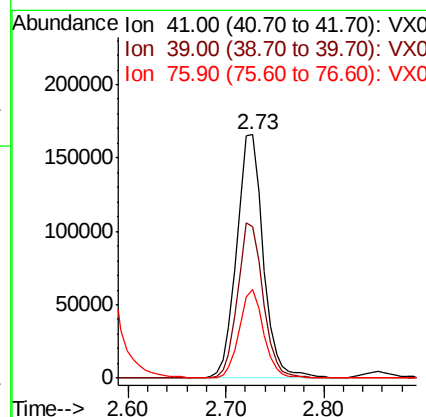
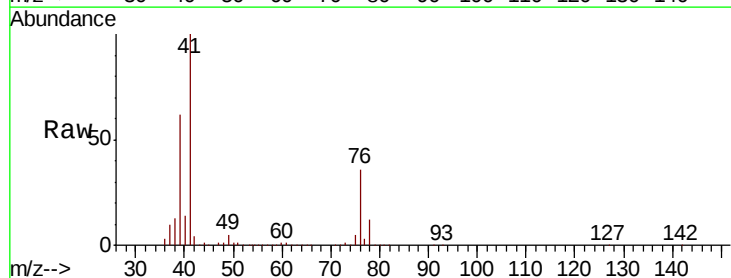
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#14  
 Allyl chloride  
 Concen: 50.03 ug/l  
 RT: 2.73 min Scan# 351  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 61.1  | 48.9  | 73.3  |
| 76      | 33.4  | 26.7  | 40.1  |





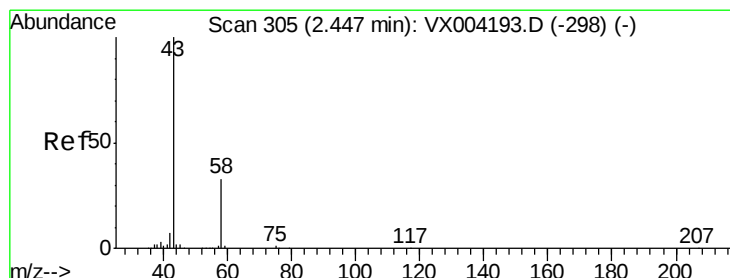
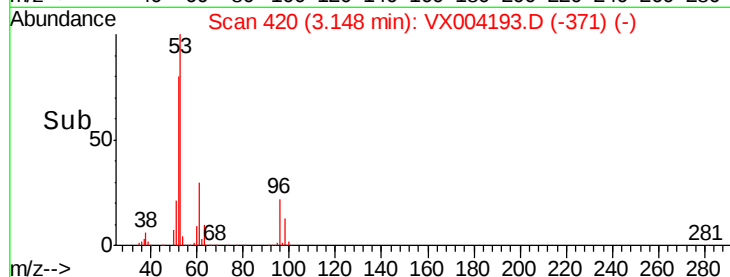
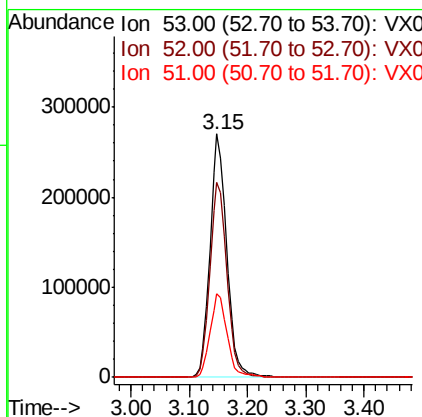
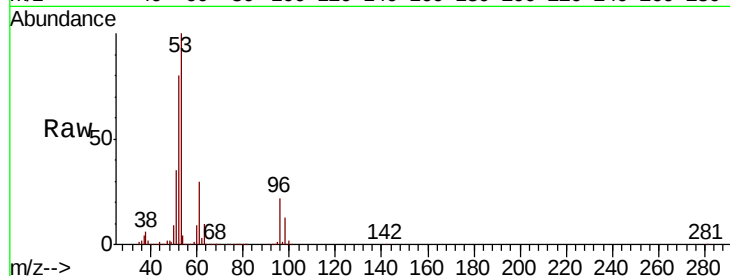
#15  
 Acrylonitrile  
 Concen: 241.80 ug/l  
 RT: 3.15 min Scan# 420  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | 53    | Resp  | 537055 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 53      | 100   |       |        |
| 52      | 81.5  | 65.2  | 97.8   |
| 51      | 35.2  | 28.2  | 42.2   |

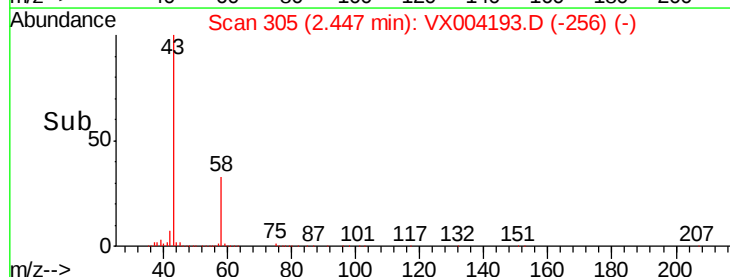
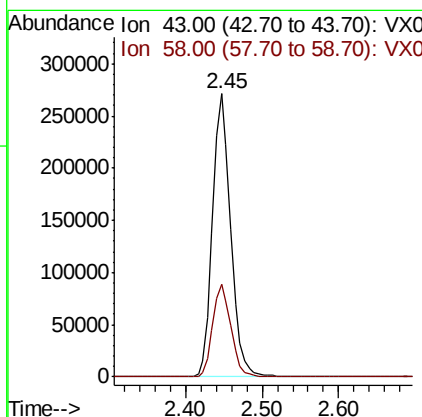
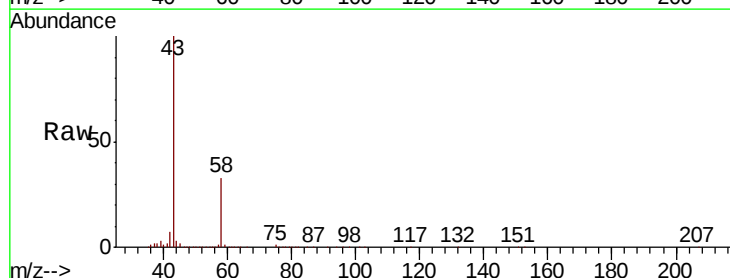
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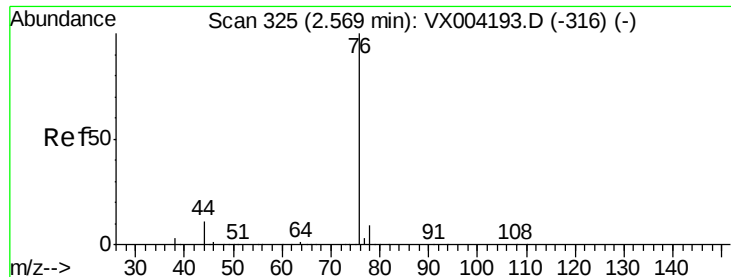
MMDadoda  
 8/23/2018 9:39:53 AM



#16  
 Acetone  
 Concen: 222.41 ug/l  
 RT: 2.45 min Scan# 305  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | 43    | Resp  | 444568 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 58      | 32.8  | 26.2  | 39.4   |





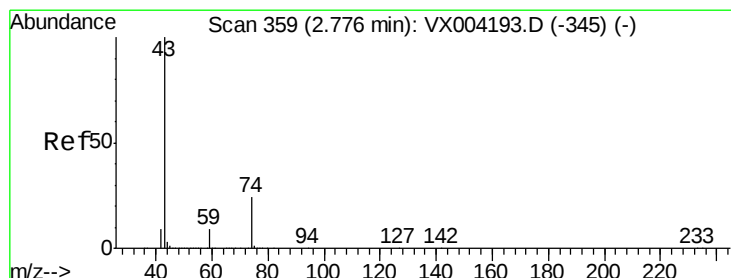
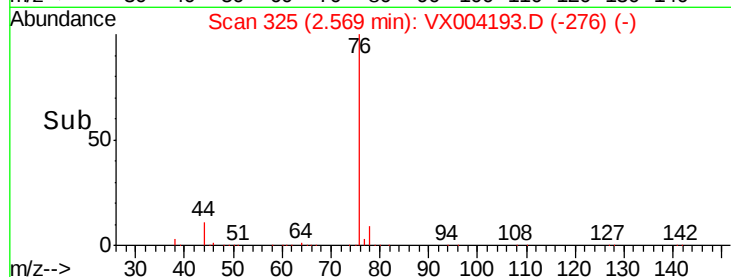
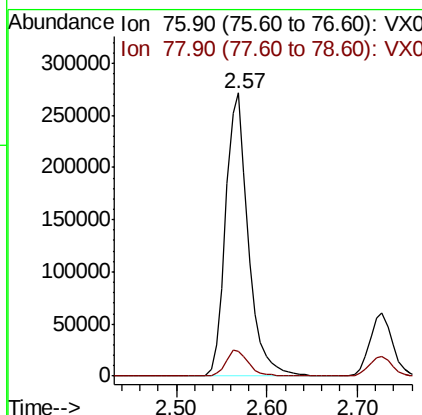
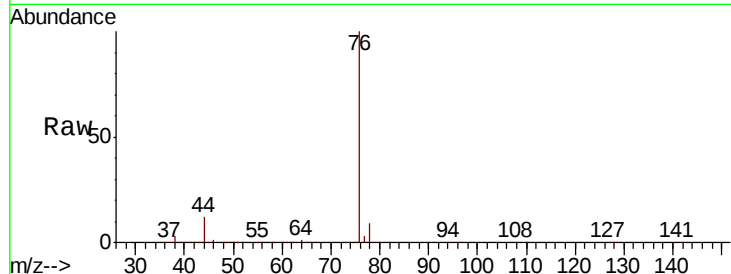
#17  
Carbon Disulfide  
Concen: 46.74 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.8   | 7.0   | 10.6  |

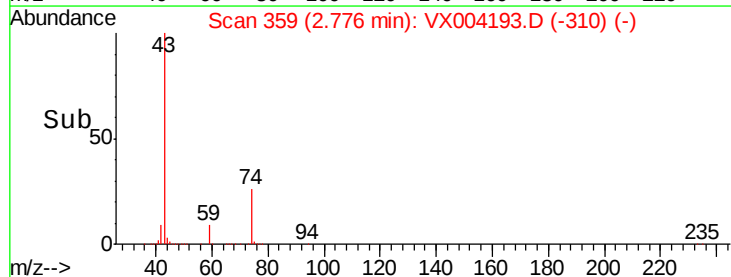
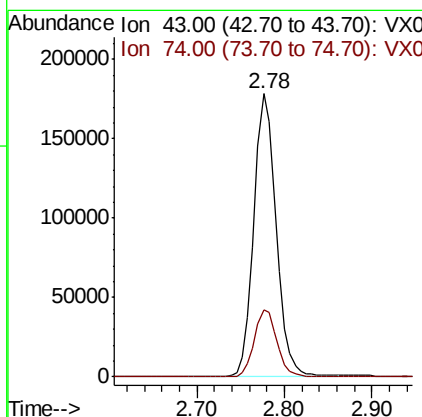
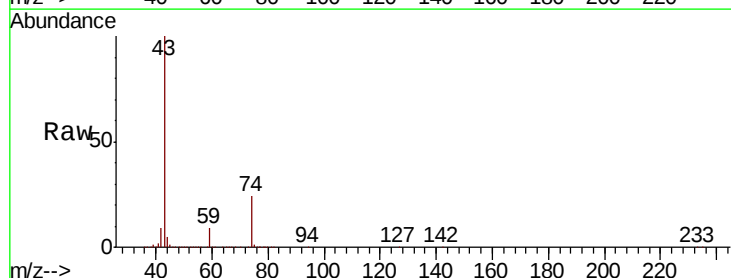
Manual Integrations  
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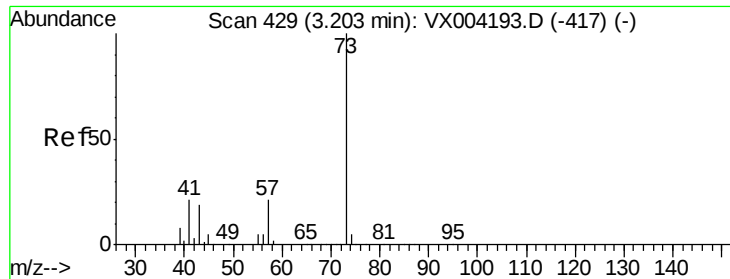
MMDadoda  
8/23/2018 9:39:53 AM



#18  
Methyl Acetate  
Concen: 50.44 ug/l  
RT: 2.78 min Scan# 359  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.3  | 19.4  | 29.2  |





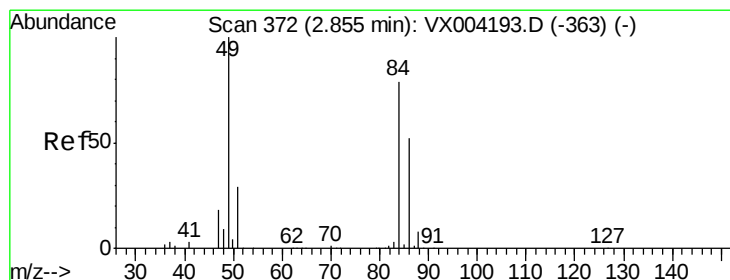
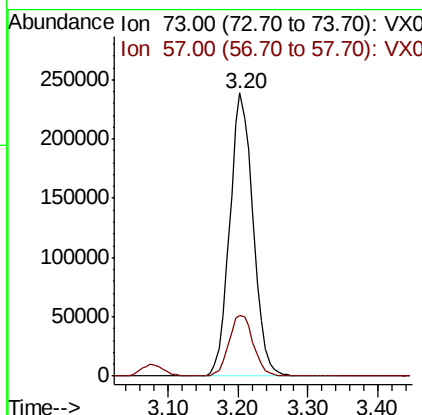
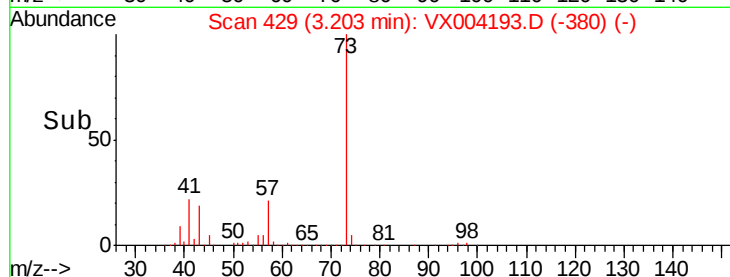
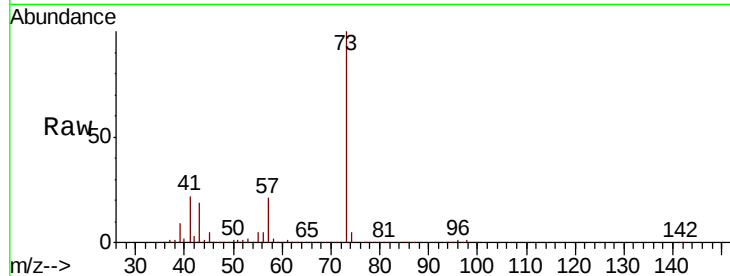
#19  
Methvl tert-butvl Ether  
Concen: 49.11 ug/l  
RT: 3.20 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 73 Resp: 553450  
Ion Ratio Lower Upper  
73 100  
57 21.4 17.1 25.7

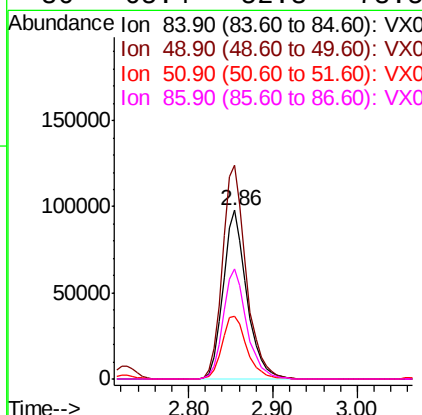
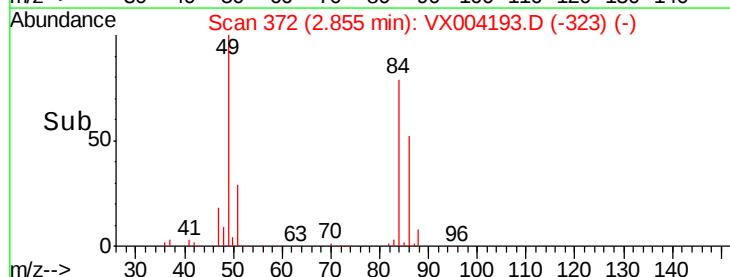
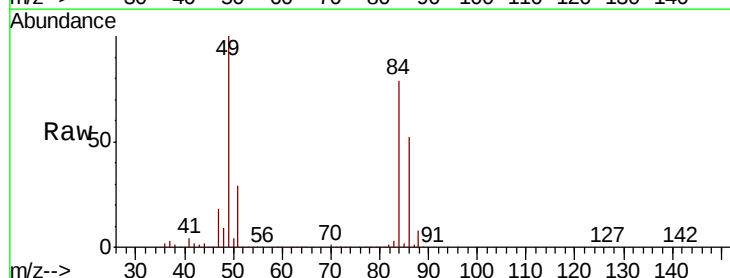
Manual Integrations  
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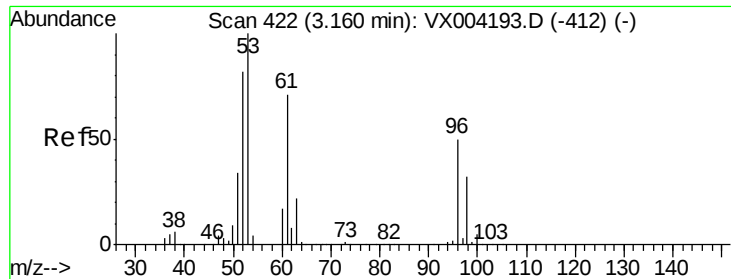
MMDadoda  
8/23/2018 9:39:53 AM



#20  
Methylene Chloride  
Concen: 46.34 ug/l  
RT: 2.86 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Tgt Ion: 84 Resp: 187697  
Ion Ratio Lower Upper  
84 100  
49 126.5 101.2 151.8  
51 36.9 29.5 44.3  
86 65.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.53 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 179907  
Ion Ratio Lower Upper

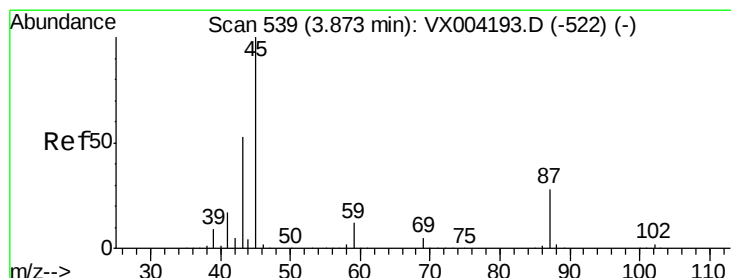
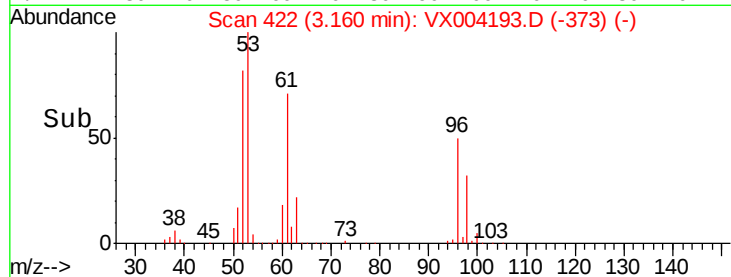
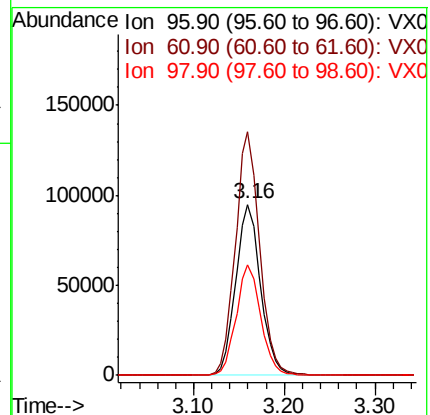
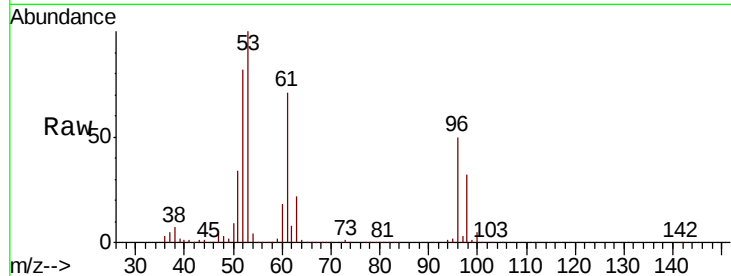
96 100

61 142.2 113.8 170.6

98 64.8 51.8 77.8

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8/23/2018 9:39:53 AM



#22

Diisopropyl ether

Concen: 48.79 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

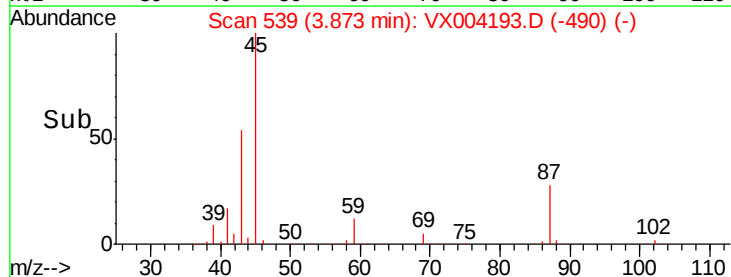
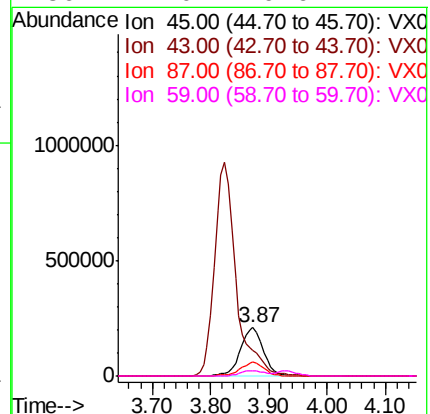
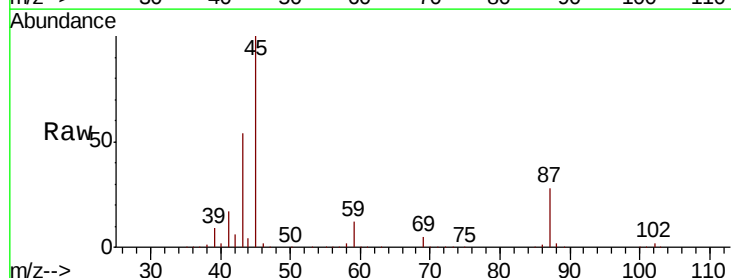
Tgt Ion: 45 Resp: 572393  
Ion Ratio Lower Upper

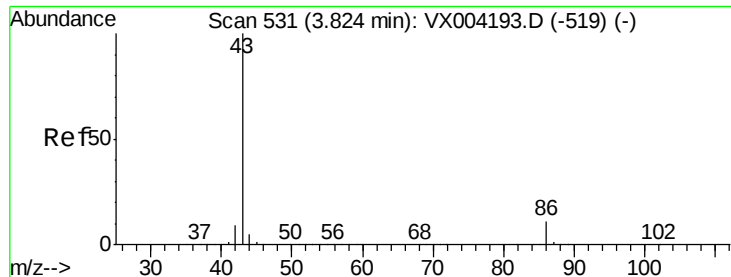
45 100

43 53.5 42.8 64.2

87 28.3 22.6 34.0

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 250.17 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 2378647

Ion Ratio Lower Upper

43 100

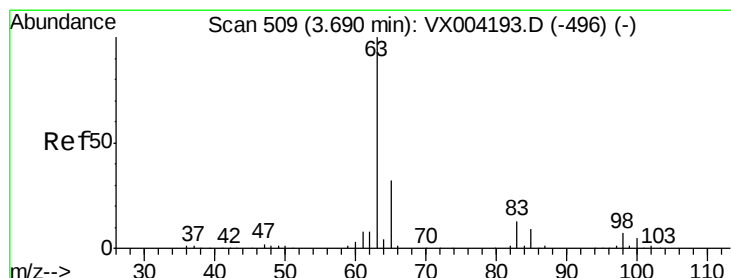
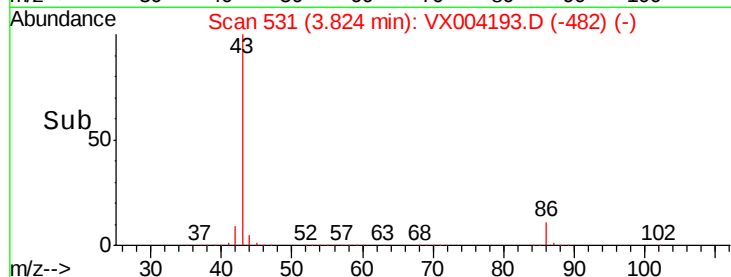
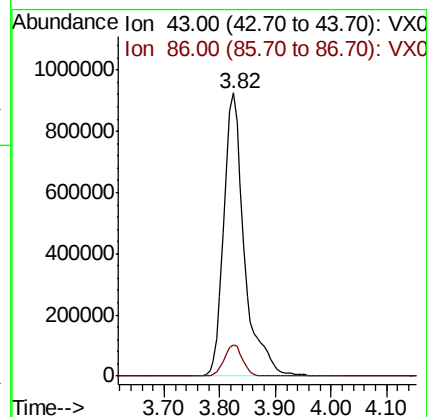
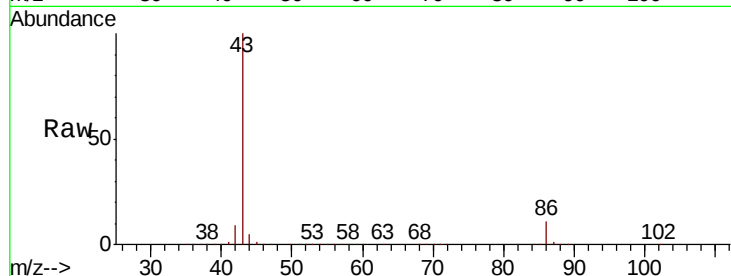
86 11.1 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.98 ug/l

RT: 3.69 min Scan# 509

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

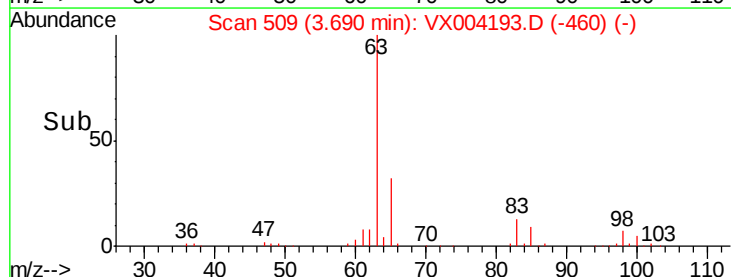
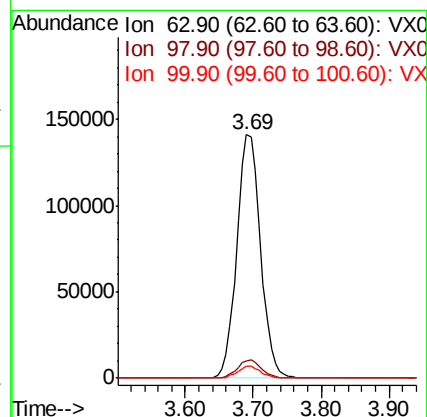
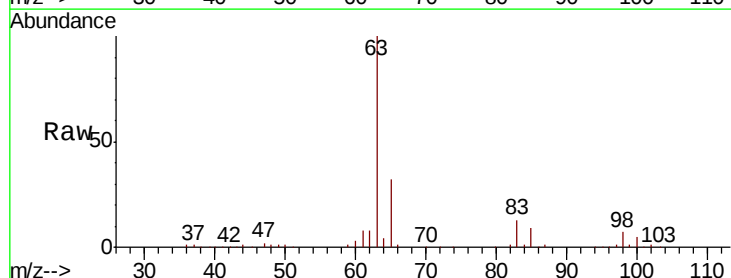
Tgt Ion: 63 Resp: 341670

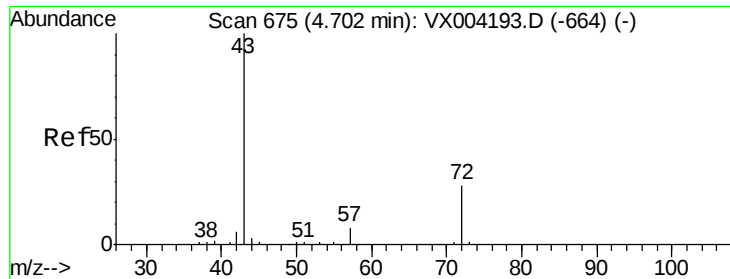
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.7 2.4 7.1





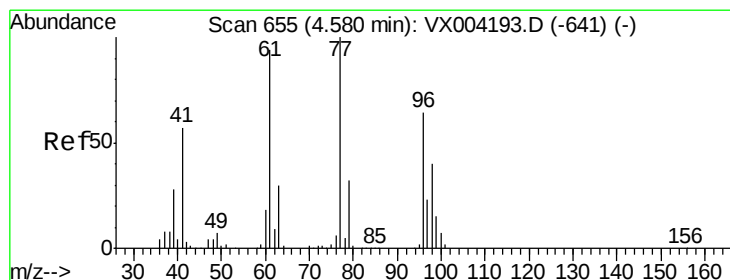
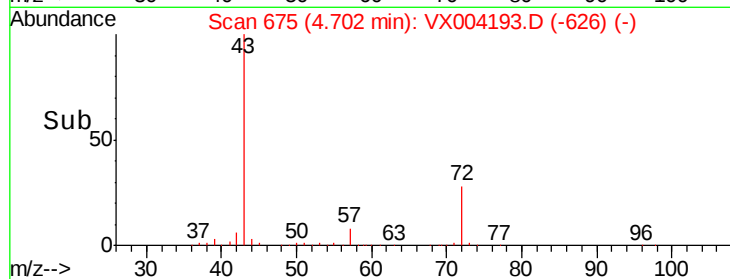
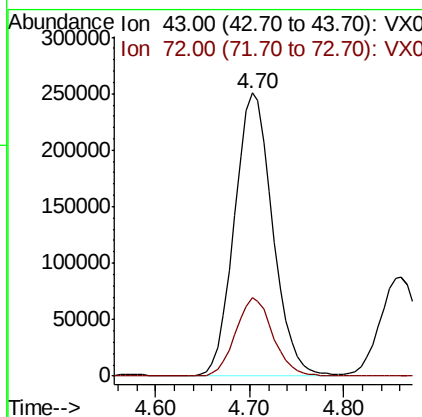
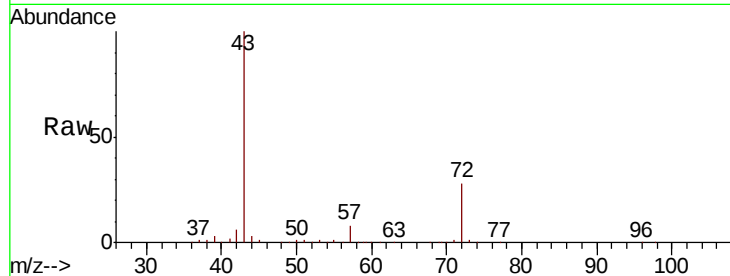
#25  
2-Butanone  
Concen: 226.86 ug/l  
RT: 4.70 min Scan# 675  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 72      | 27.5  | 22.0  | 33.0  |

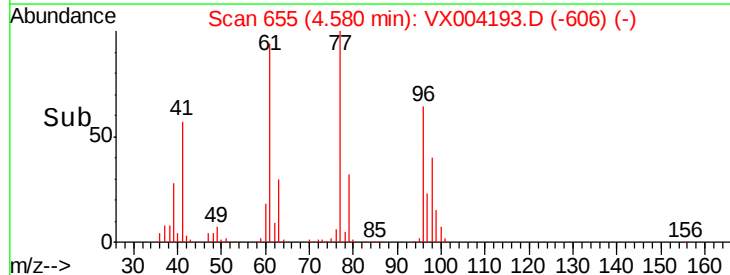
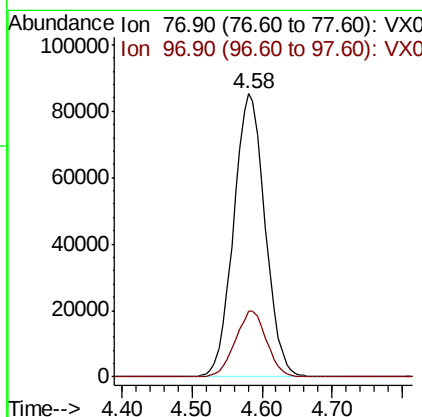
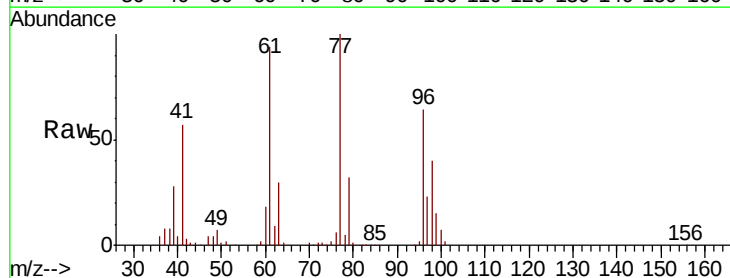
Manual Integrations  
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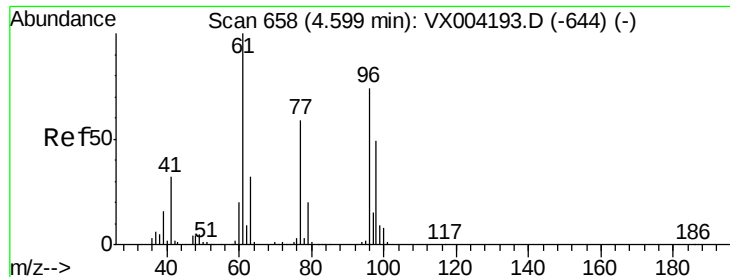
MMDadoda  
8/23/2018 9:39:53 AM



#26  
2,2-Dichloropropane  
Concen: 49.50 ug/l  
RT: 4.58 min Scan# 655  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 23.3  | 11.7  | 35.0  |





#27

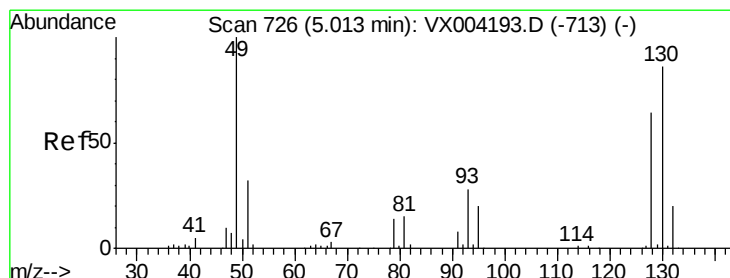
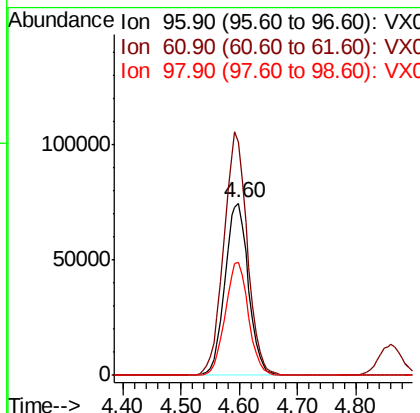
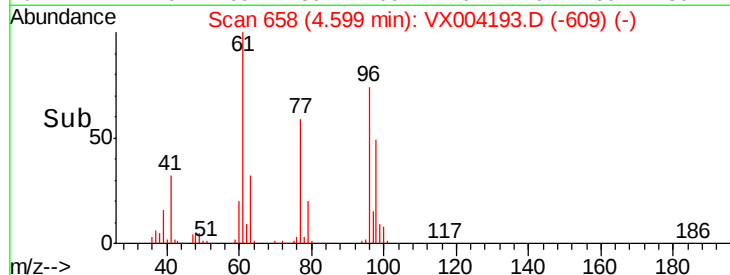
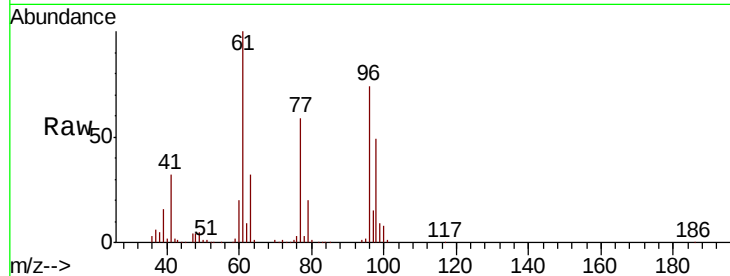
cis-1,2-Dichloroethene  
Concen: 48.59 ug/l  
RT: 4.60 min Scan# 658  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 141.3 | 0.0  | 282.6 |       |
| 98      | 65.1  | 0.0  | 130.2 |       |

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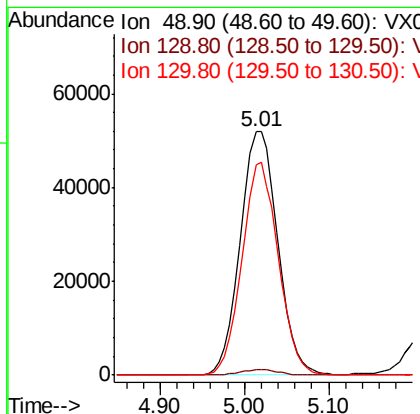
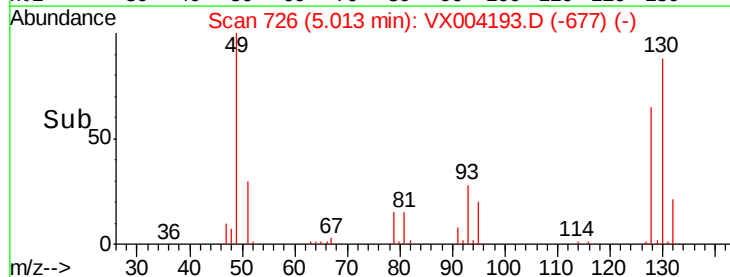
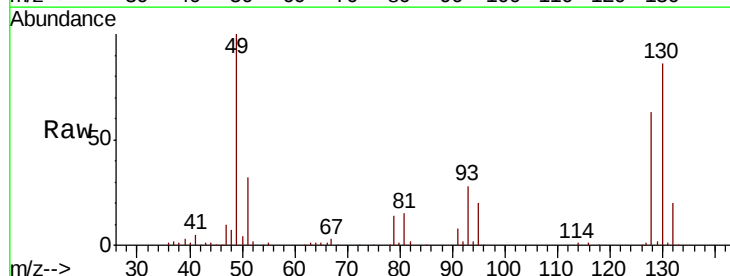
MMDadoda  
8/23/2018 9:39:53 AM

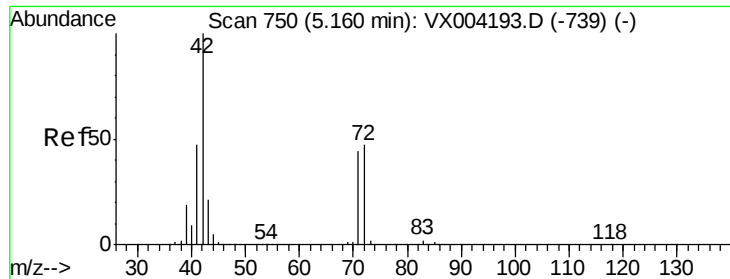


#28

Bromochloromethane  
Concen: 52.00 ug/l  
RT: 5.01 min Scan# 726  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.1   | 0.0  | 4.2   |       |
| 130     | 84.4  | 67.5 | 101.3 |       |





#29

Tetrahydrofuran

Concen: 250.09 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

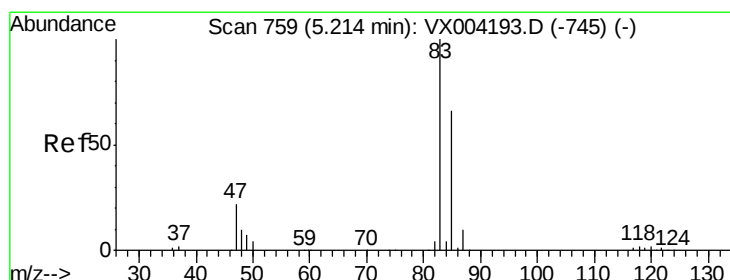
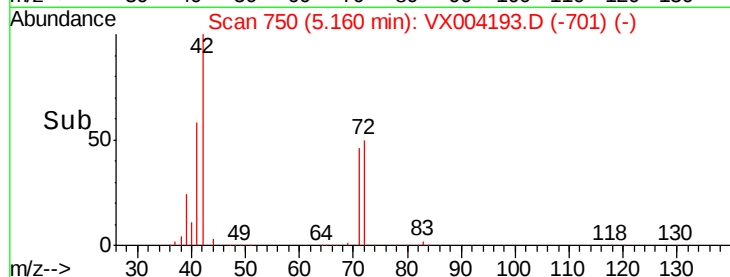
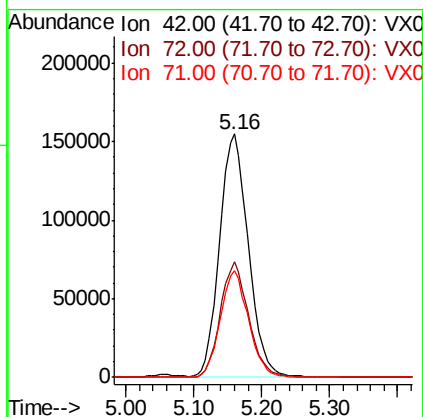
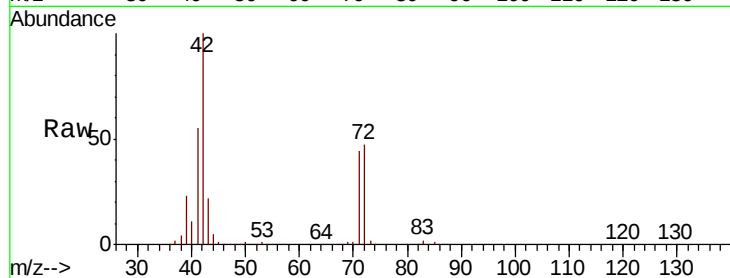
ClientSampleId :

VSTDICCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 42   | Resp: | 452089 |
| Ion Ratio |      | Lower | Upper  |
| 42        | 100  |       |        |
| 72        | 46.7 | 37.4  | 56.0   |
| 71        | 43.1 | 34.5  | 51.7   |

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#30

Chloroform

Concen: 49.15 ug/l

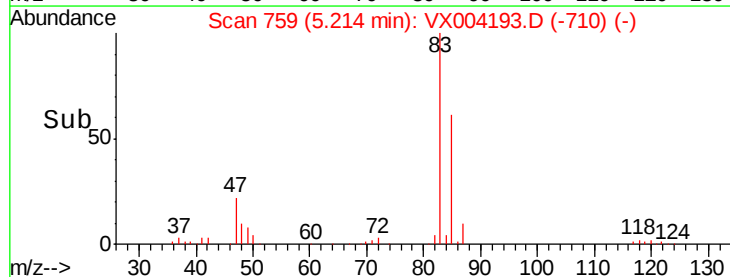
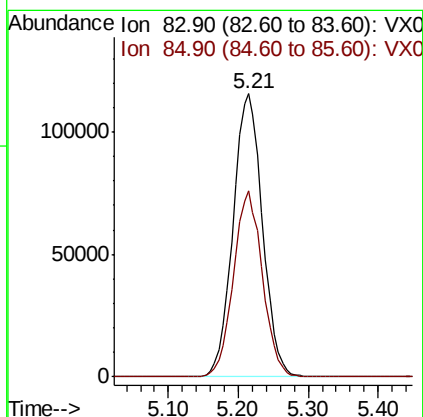
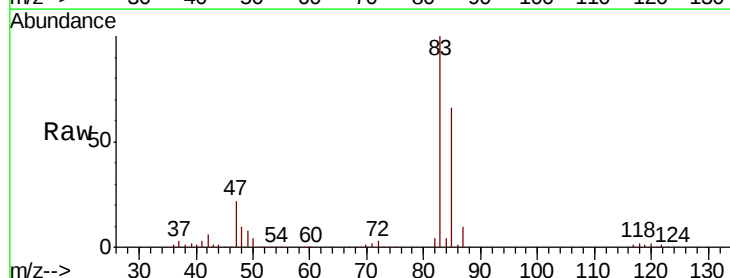
RT: 5.21 min Scan# 759

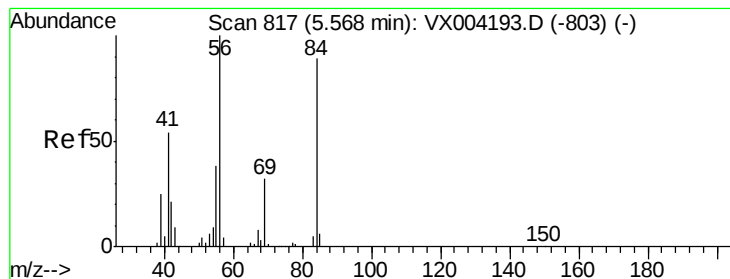
Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 83   | Resp: | 336895 |
| Ion Ratio |      | Lower | Upper  |
| 83        | 100  |       |        |
| 85        | 65.8 | 52.6  | 79.0   |





#31

Cyclohexane

Concen: 50.56 ug/l

RT: 5.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

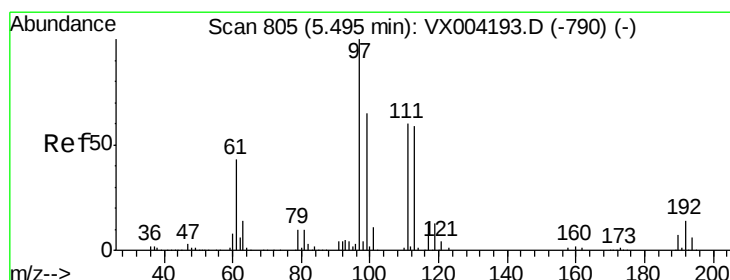
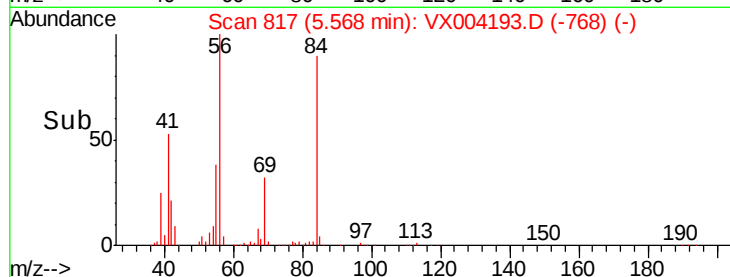
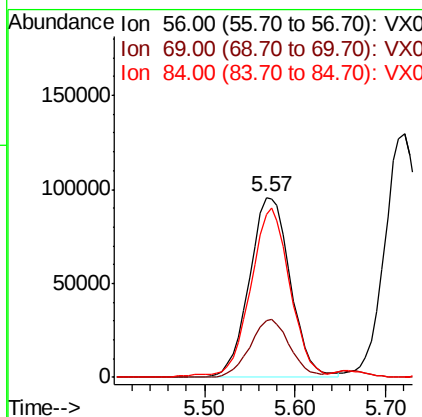
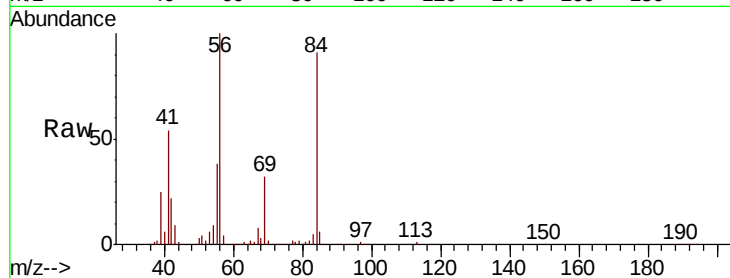
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 298266 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 31.8  | 25.4  | 38.2   |
| 84       | 89.3  | 71.4  | 107.2  |

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#32

1,1,1-Trichloroethane

Concen: 50.10 ug/l

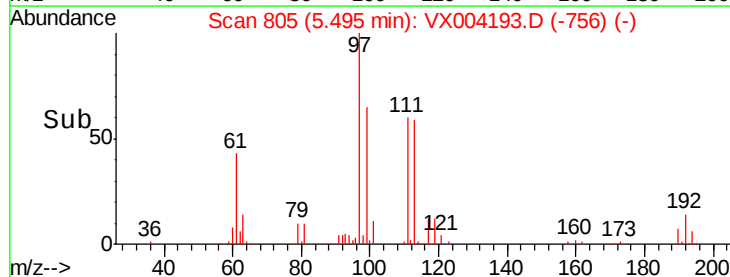
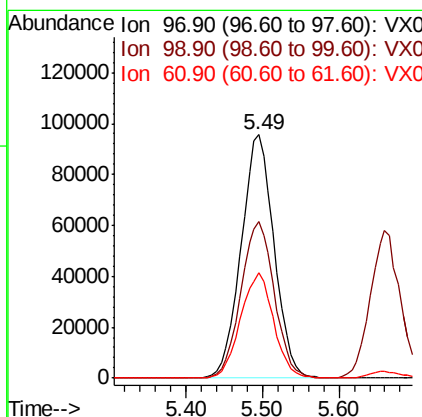
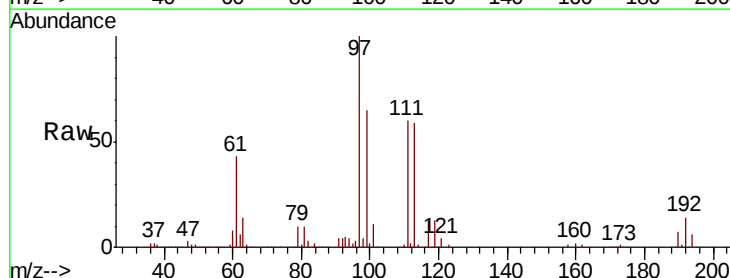
RT: 5.49 min Scan# 805

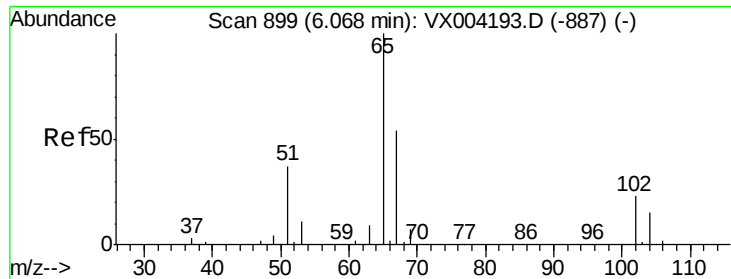
Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 286356 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 65.0  | 52.0  | 78.0   |
| 61       | 43.6  | 34.9  | 52.3   |





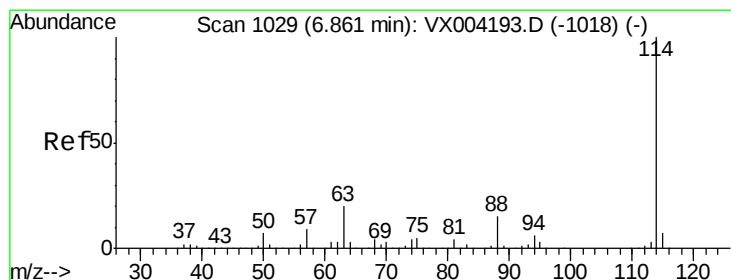
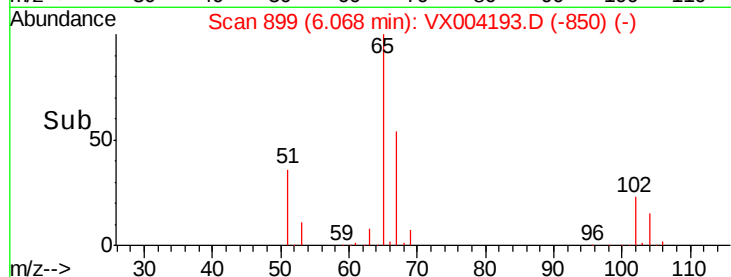
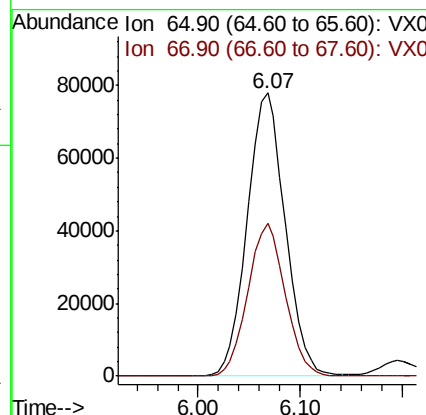
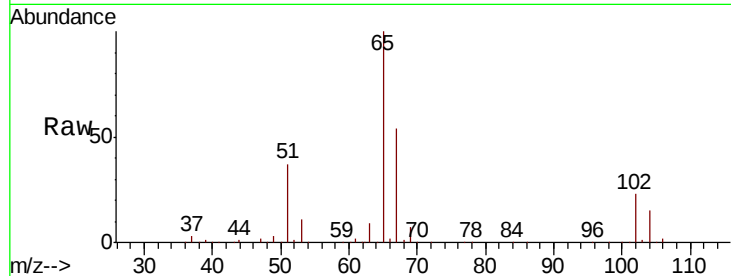
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.94 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.4  | 0.0   | 106.8 |

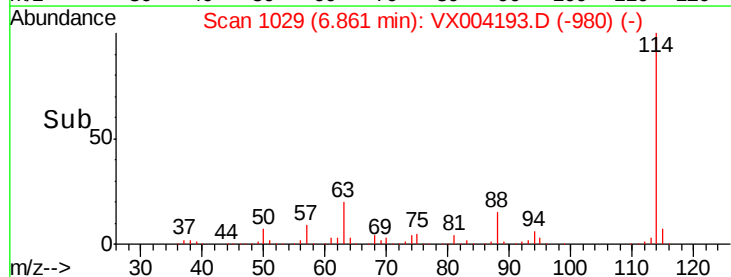
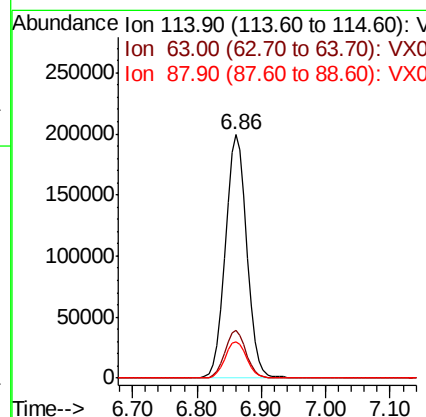
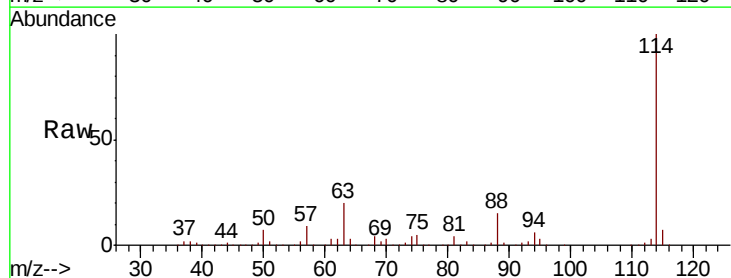
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.5  | 0.0   | 39.0  |
| 88      | 15.2  | 0.0   | 30.4  |





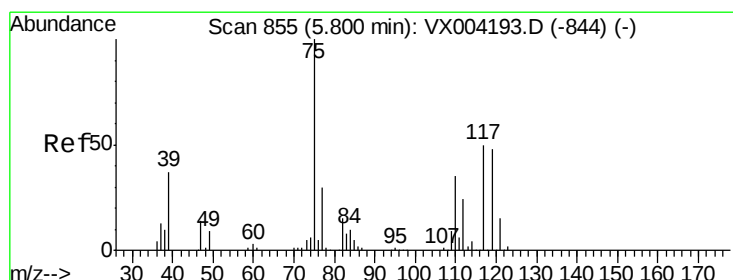
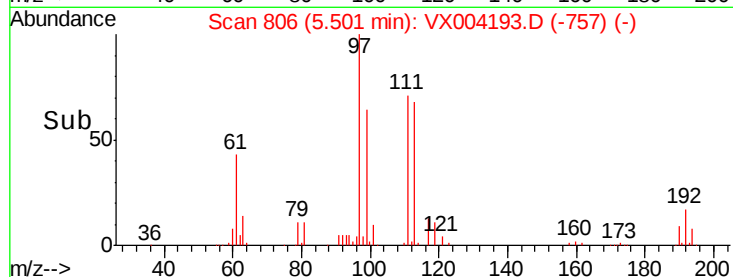
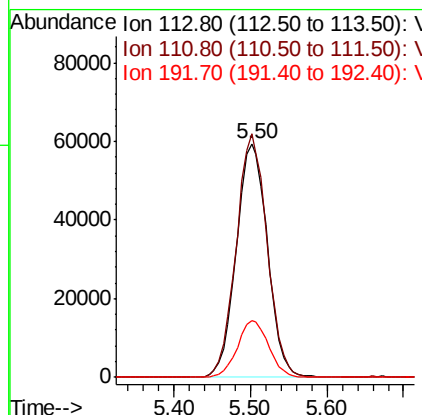
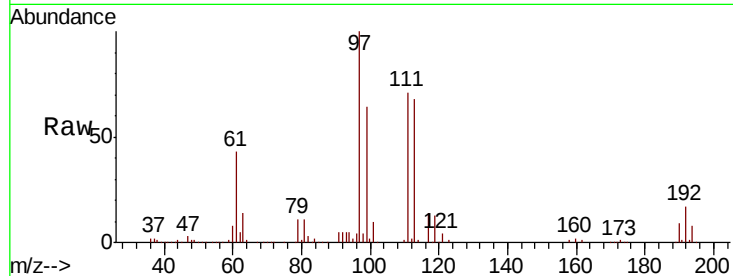
#35  
 Dibromofluoromethane  
 Concen: 48.22 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 168019 |       |       |
| 111     | 103.0 | 82.4   | 123.6 |       |
| 192     | 24.3  | 19.4   | 29.2  |       |

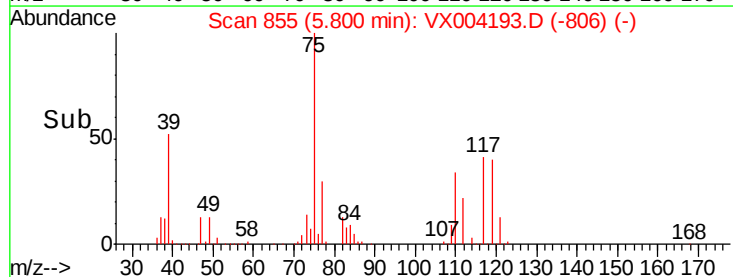
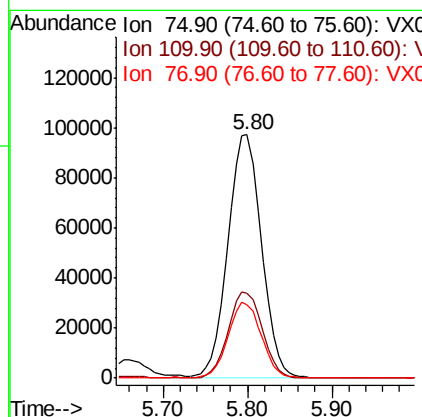
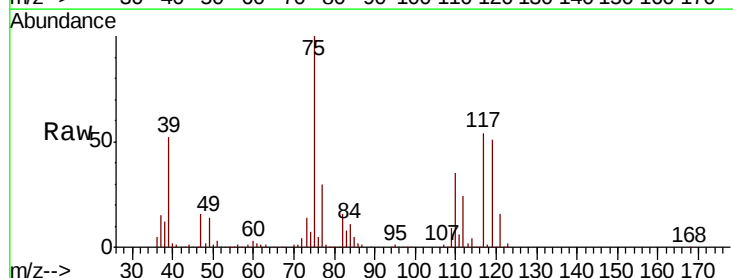
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#36  
 1,1-Dichloropropene  
 Concen: 49.76 ug/l  
 RT: 5.80 min Scan# 855  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 262041 |       |       |
| 110     | 36.0  | 18.0   | 54.0  |       |
| 77      | 30.7  | 24.6   | 36.8  |       |





#37

Ethyl Acetate

Concen: 50.27 ug/l

RT: 4.86 min Scan# 701

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

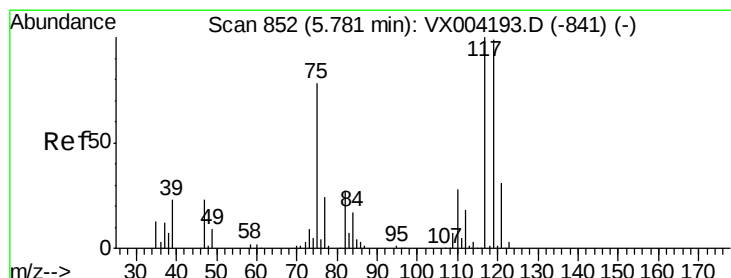
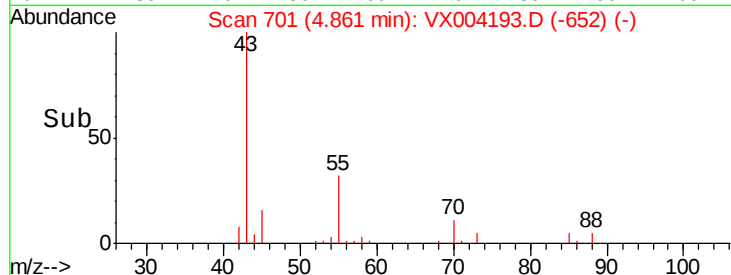
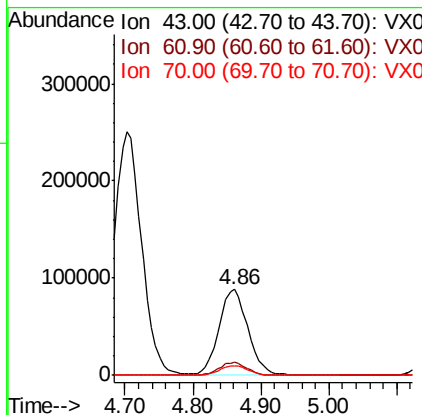
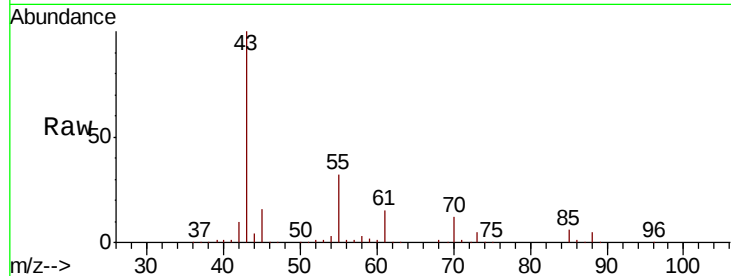
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 260343 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.4  | 11.5  | 17.3   |
| 70       | 11.3  | 9.0   | 13.6   |

Manual Integrations  
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MMDadoda  
8/23/2018 9:39:53 AM



#38

Carbon Tetrachloride

Concen: 51.01 ug/l

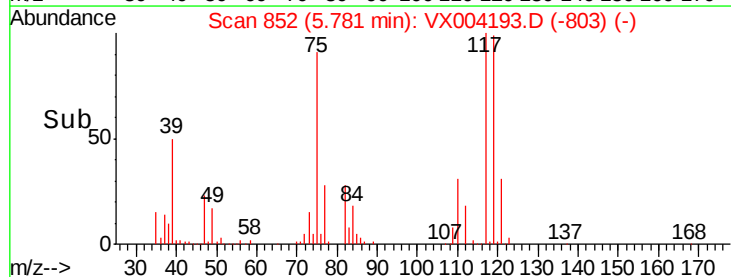
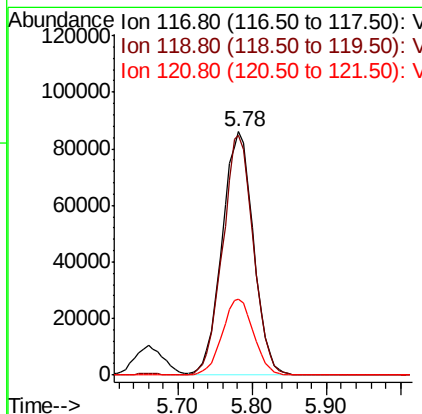
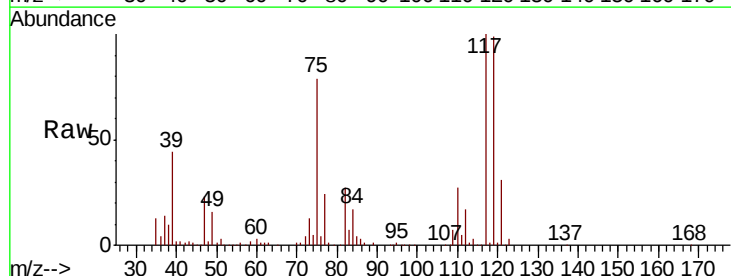
RT: 5.78 min Scan# 852

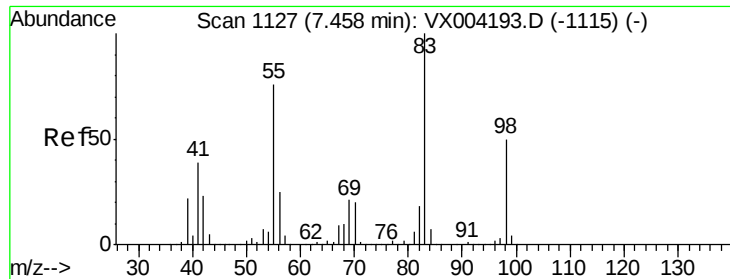
Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 252693 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.5  | 78.8  | 118.2  |
| 121      | 31.1  | 24.9  | 37.3   |





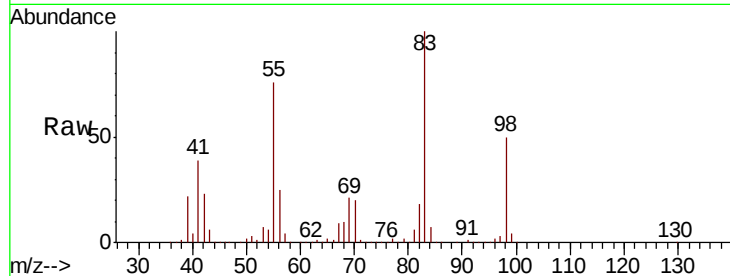
#39  
Methvlcvclohexane  
Concen: 50.51 ug/l  
RT: 7.46 min Scan# 1127  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

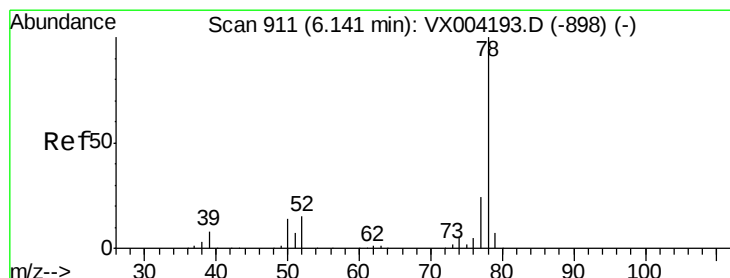
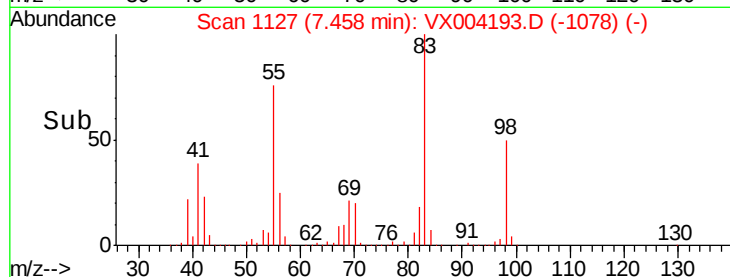
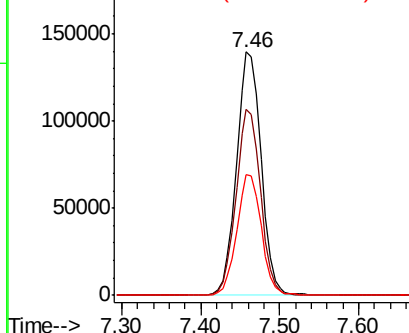
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 303642 |       |       |
| 55      | 76.2  |        | 61.0  | 91.4  |
| 98      | 49.5  |        | 39.6  | 59.4  |

Manual Integrations  
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8/23/2018 9:39:53 AM

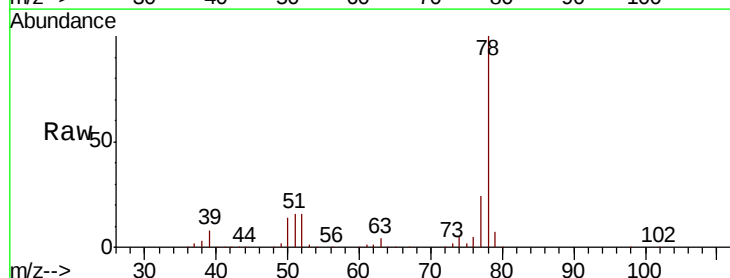


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

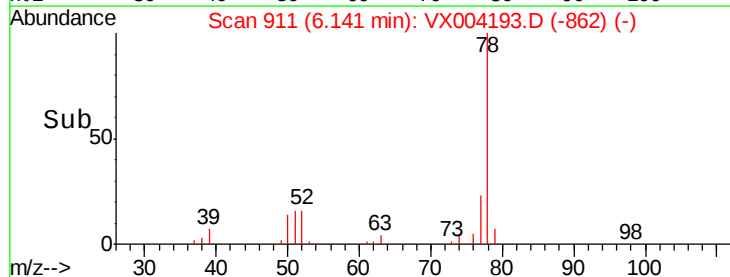
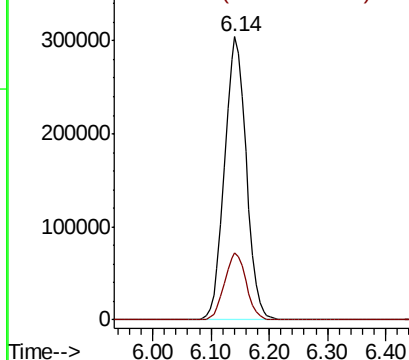


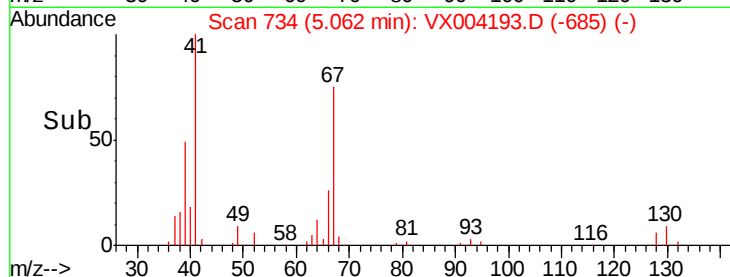
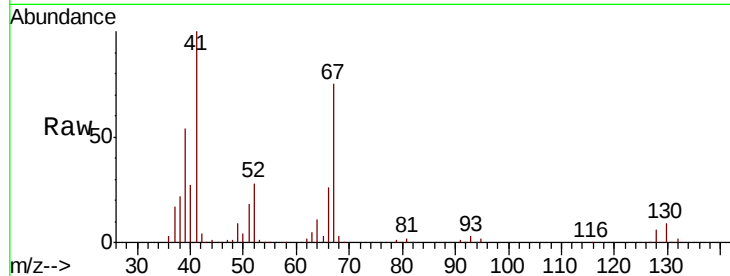
#40  
Benzene  
Concen: 50.20 ug/l  
RT: 6.14 min Scan# 911  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 789825 |       |       |
| 77      | 23.7  |        | 19.0  | 28.4  |



Abundance Ion 78.00 (77.70 to 78.70): VX0  
Ion 77.00 (76.70 to 77.70): VX0





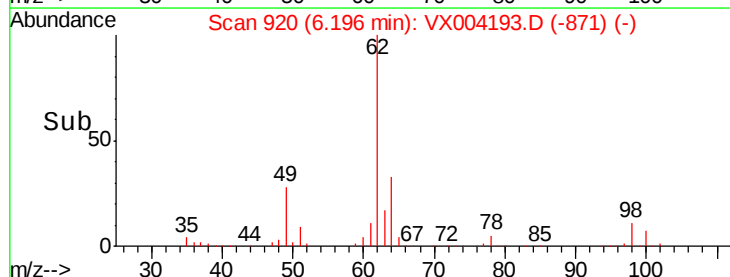
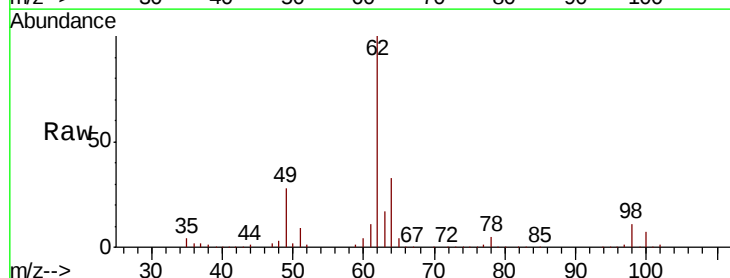
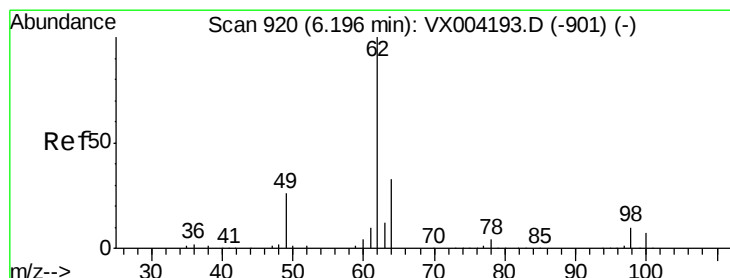
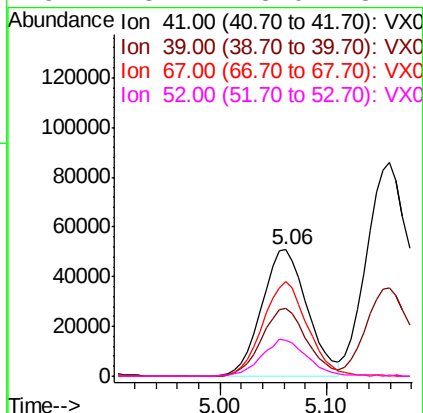
#41  
Methacrylonitrile  
Concen: 50.36 ug/l  
RT: 5.06 min Scan# 734  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 41      | 100  |       | 151166 |       |       |
| 39      | 53.0 | 42.4  | 63.6   |       |       |
| 67      | 74.0 | 59.2  | 88.8   |       |       |
| 52      | 28.7 | 23.0  | 34.4   |       |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

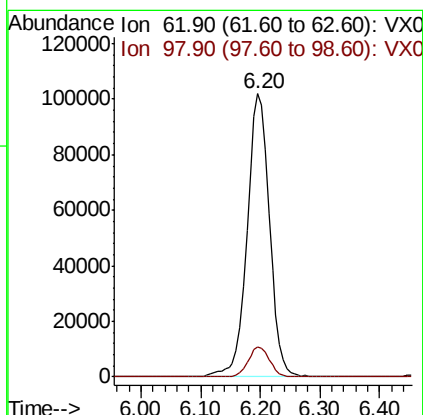
Manual Integrations  
APPROVED

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8/23/2018 9:39:53 AM



#42  
1,2-Dichloroethane  
Concen: 49.66 ug/l  
RT: 6.20 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 62      | 100  |       | 266535 |       |       |
| 98      | 10.3 | 0.0   | 20.6   |       |       |





#43

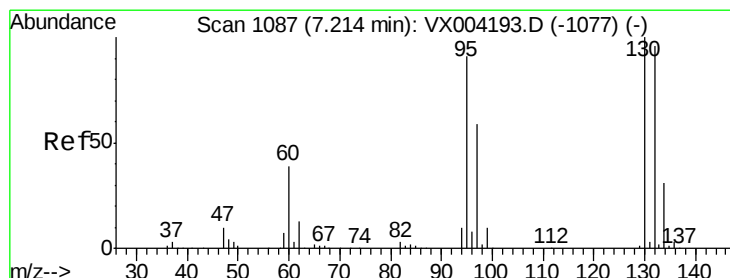
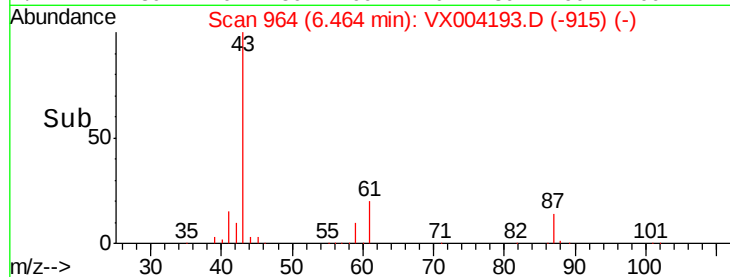
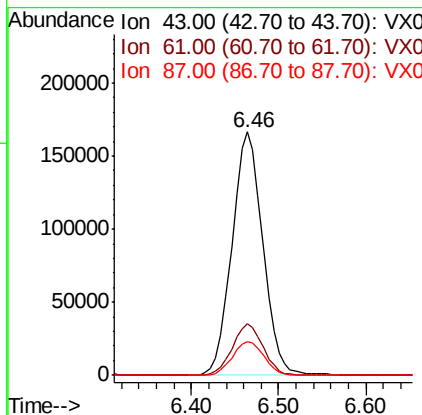
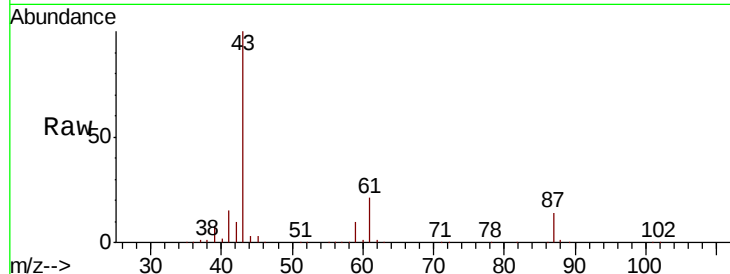
Isopropyl Acetate  
 Concen: 51.22 ug/l  
 RT: 6.46 min Scan# 964  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | 43     | 61   | 87   |
|---------|--------|------|------|
| Resp    | 407620 |      |      |
| Ratio   | 100    | 21.2 | 14.3 |
| Lower   |        | 17.0 | 11.4 |
| Upper   |        | 25.4 | 17.2 |

Manual Integrations  
 APPROVED

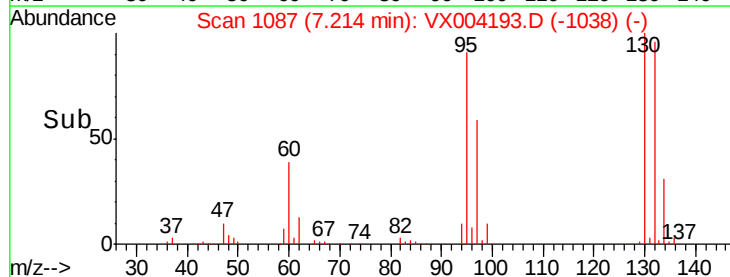
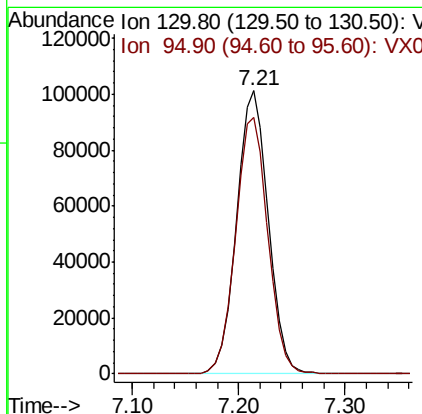
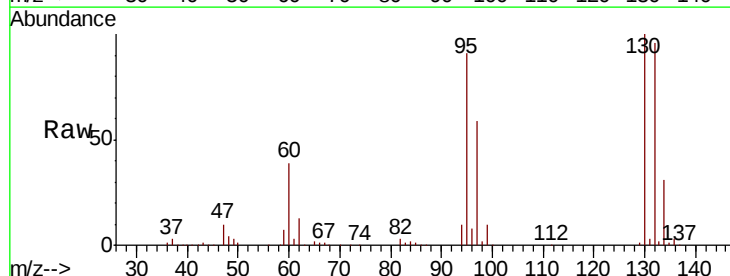
MMDadoda  
 8/23/2018 9:39:53 AM



#44

Trichloroethene  
 Concen: 48.62 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | 130    | 95    |
|---------|--------|-------|
| Resp    | 211748 |       |
| Ratio   | 100    | 90.8  |
| Lower   |        | 0.0   |
| Upper   |        | 181.6 |





#45

1,2-Dichloropropane

Concen: 50.63 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 199391

Ion Ratio Lower Upper

63 100

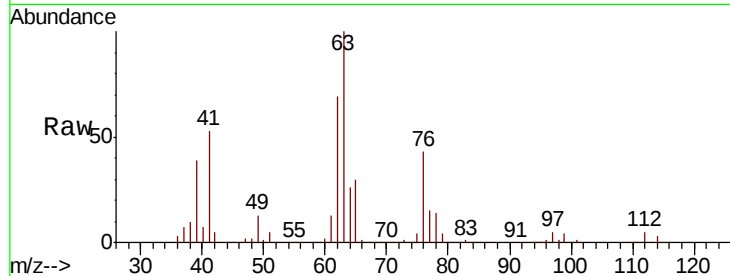
65 30.4 24.3 36.5

Manual Integrations

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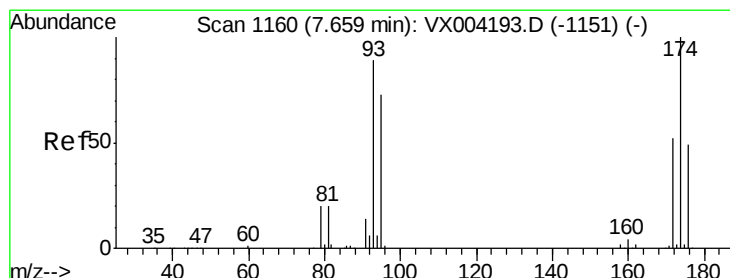
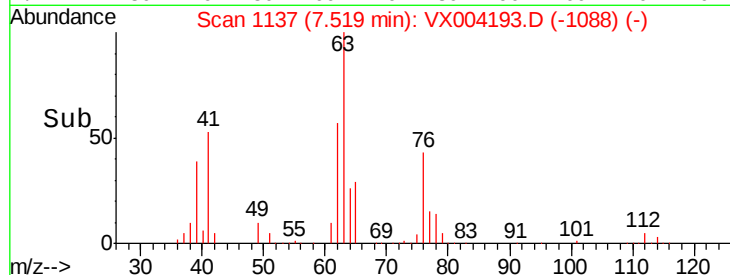
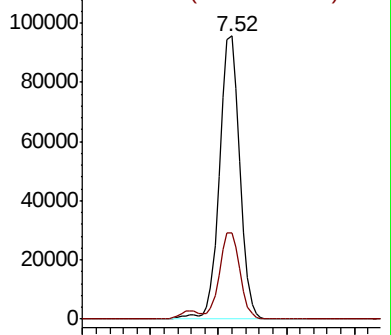
MMDadoda

8/23/2018 9:39:53 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.79 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

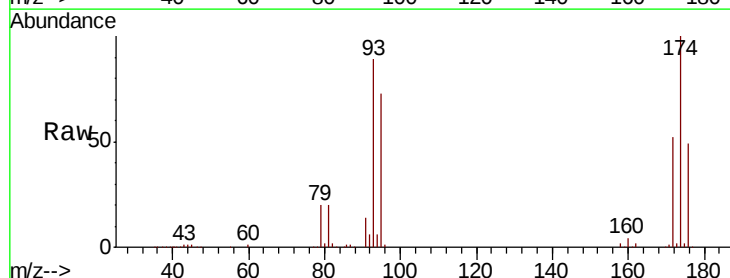
Tgt Ion: 93 Resp: 130560

Ion Ratio Lower Upper

93 100

95 81.9 65.5 98.3

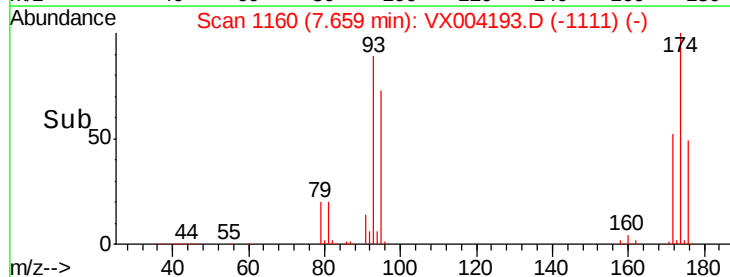
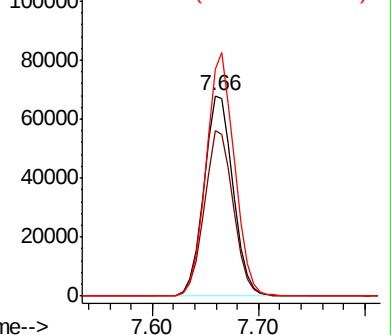
174 117.8 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





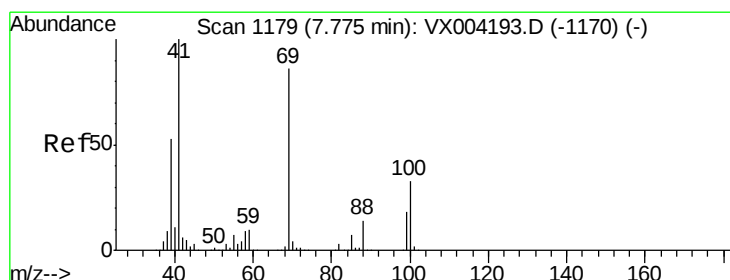
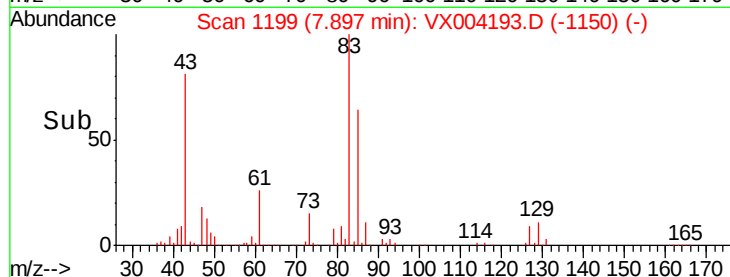
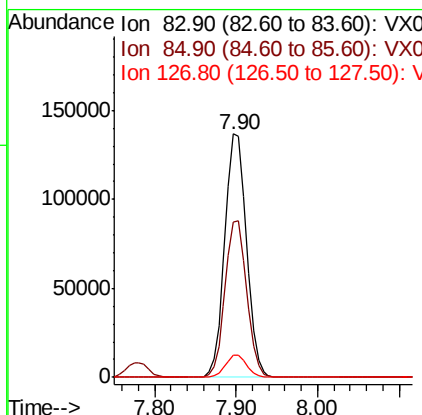
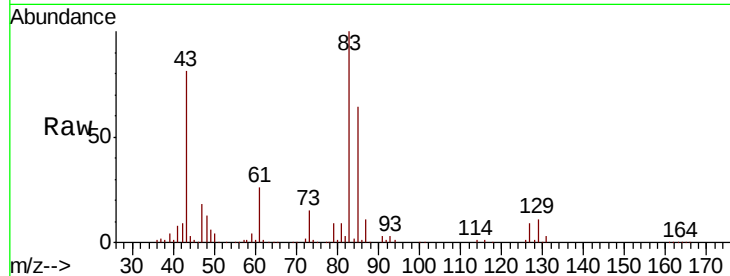
#47  
 Bromodichloromethane  
 Concen: 51.64 ug/l  
 RT: 7.90 min Scan# 1199  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 251958 |       |       |
| 85      | 63.6  |        | 50.9  | 76.3  |
| 127     | 9.1   |        | 7.3   | 10.9  |

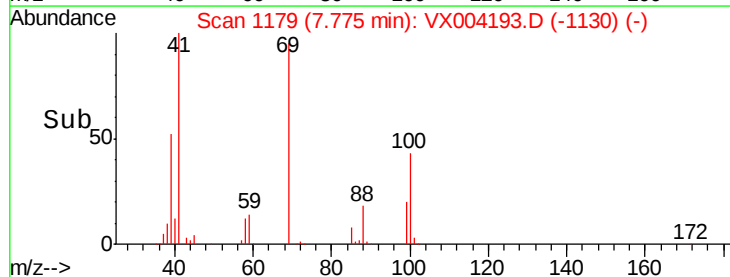
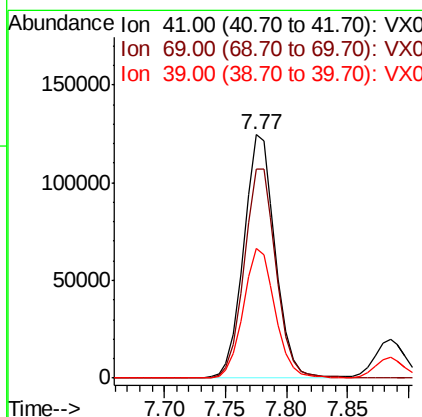
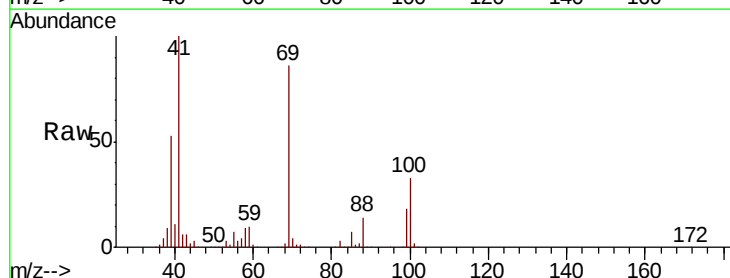
Manual Integrations  
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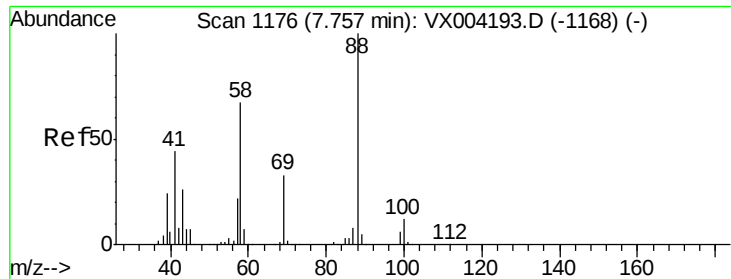
MMDadoda  
 8/23/2018 9:39:53 AM



#48  
 Methyl methacrylate  
 Concen: 52.18 ug/l  
 RT: 7.77 min Scan# 1179  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 222181 |       |       |
| 69      | 87.8  |        | 70.2  | 105.4 |
| 39      | 53.4  |        | 42.7  | 64.1  |





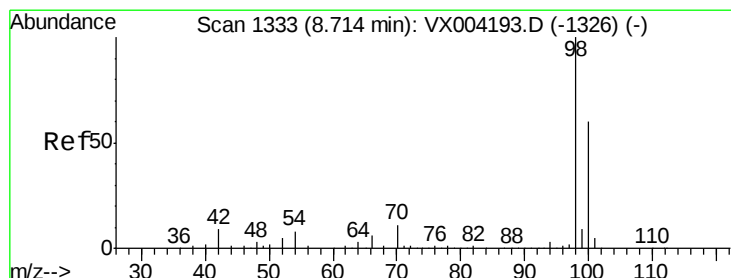
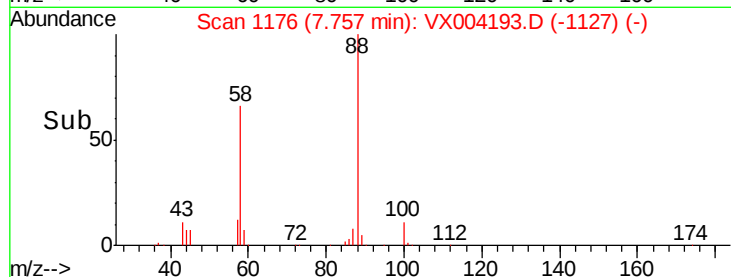
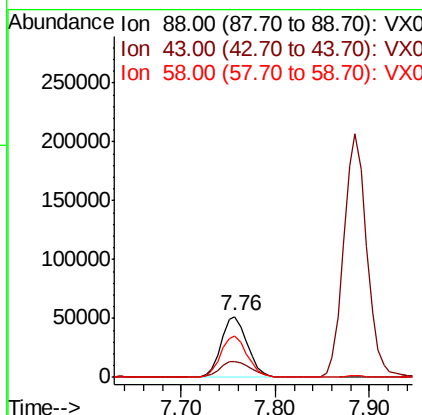
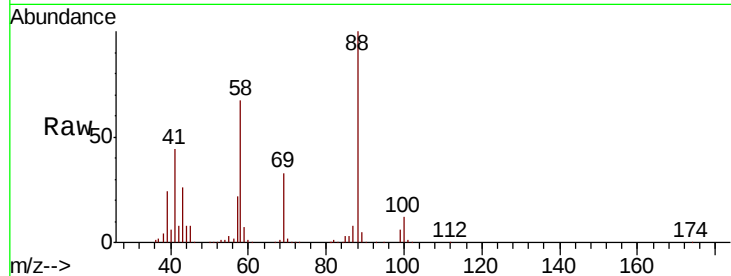
#49  
1,4-Dioxane  
Concen: 1035.70 ug/l  
RT: 7.76 min Scan# 1176  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.9  | 24.7  | 37.1  |
| 58      | 69.1  | 55.3  | 82.9  |

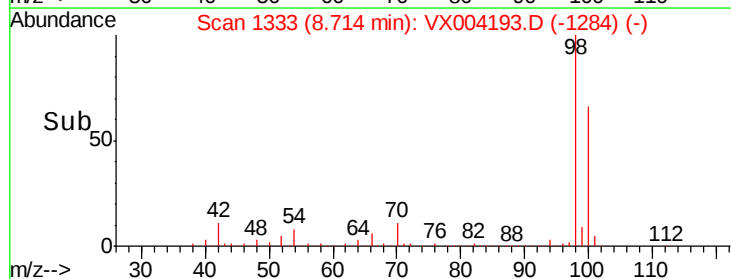
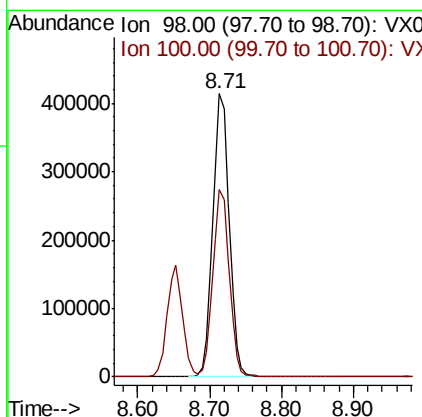
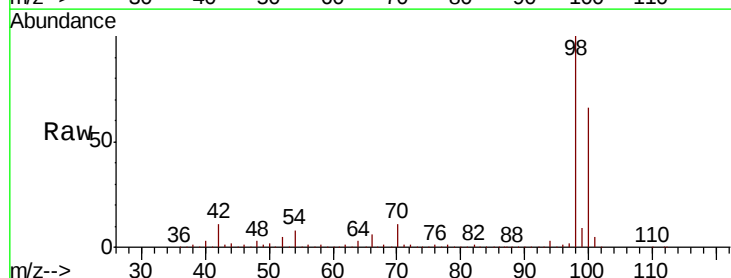
Manual Integrations  
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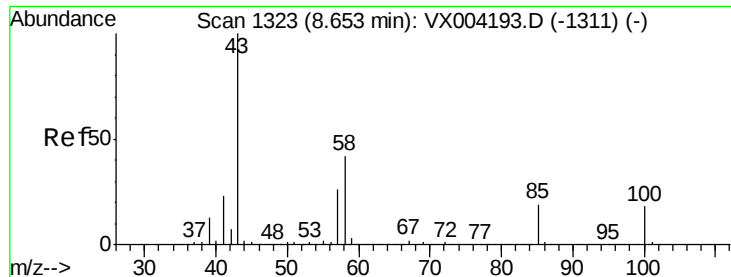
MMDadoda  
8/23/2018 9:39:53 AM



#50  
Toluene-d8  
Concen: 49.60 ug/l  
RT: 8.71 min Scan# 1333  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.1  | 52.9  | 79.3  |





#51

4-Methyl-2-Pentanone

Concen: 243.31 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1406763

Ion Ratio Lower Upper

43 100

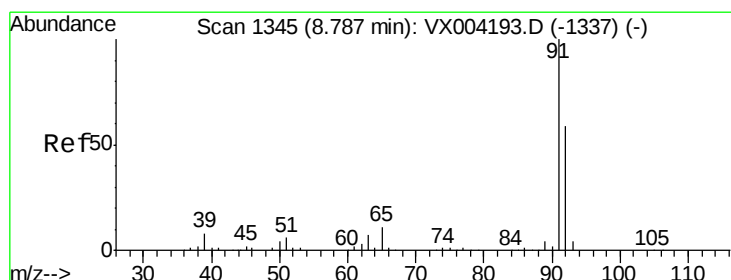
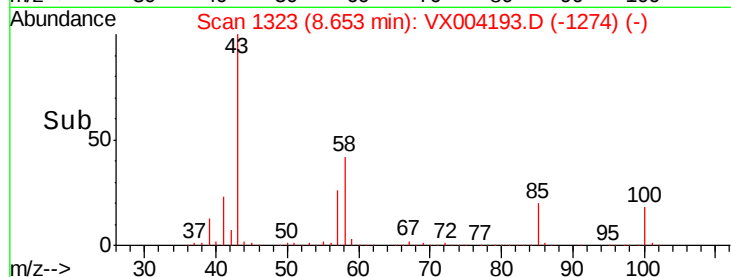
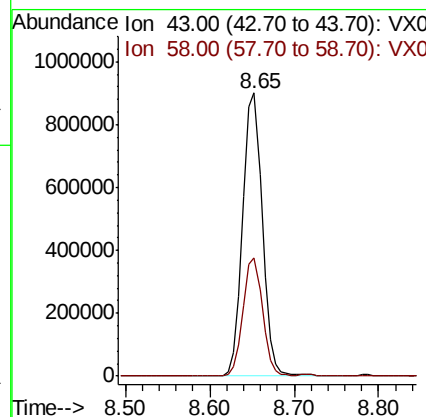
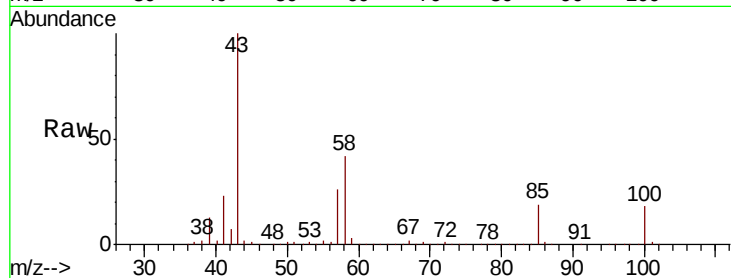
58 41.4 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 51.05 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004193.D

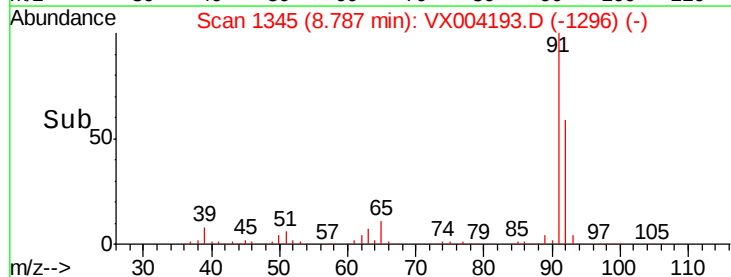
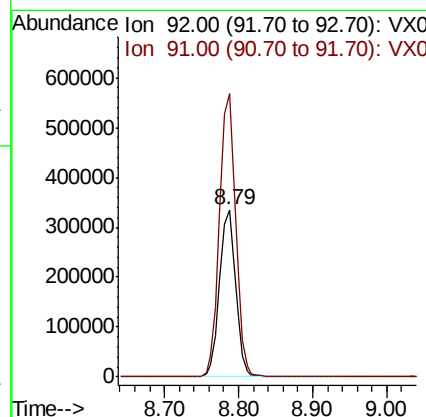
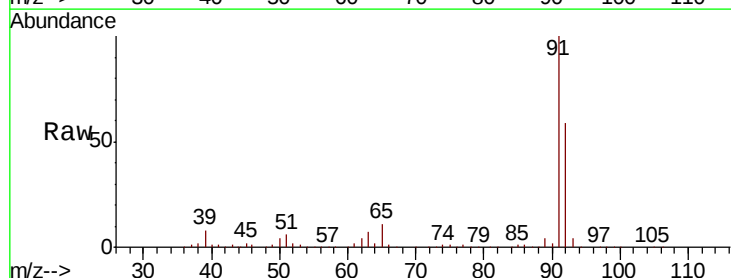
Acq: 22 Aug 2018 11:41

Tgt Ion: 92 Resp: 502792

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6





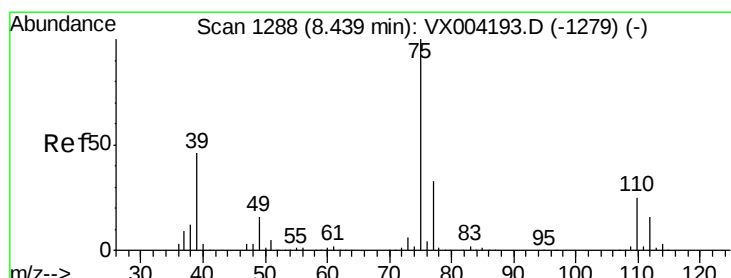
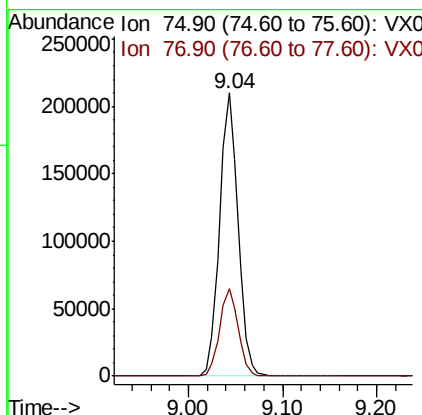
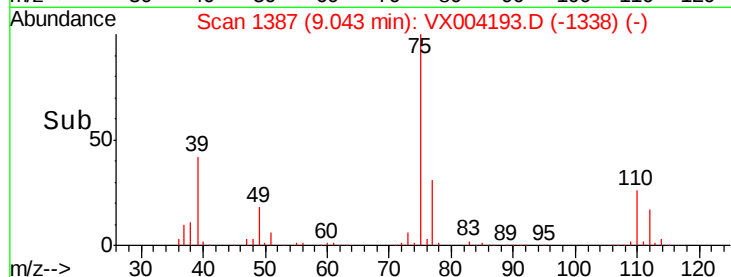
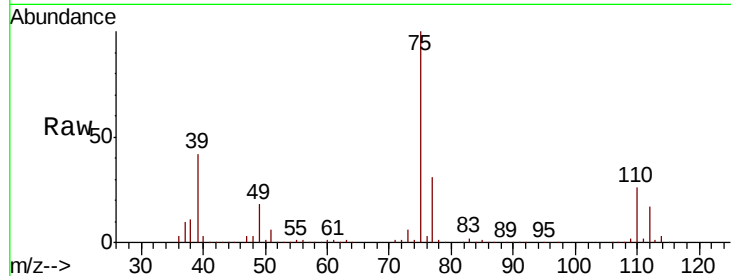
#53  
t-1,3-Dichloropropene  
Concen: 52.98 ug/l  
RT: 9.04 min Scan# 1387  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 75 Resp: 285505  
Ion Ratio Lower Upper  
75 100  
77 30.8 24.6 37.0

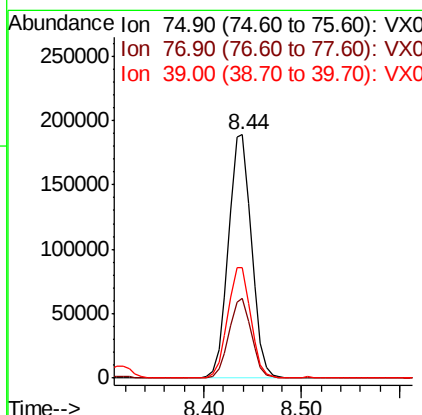
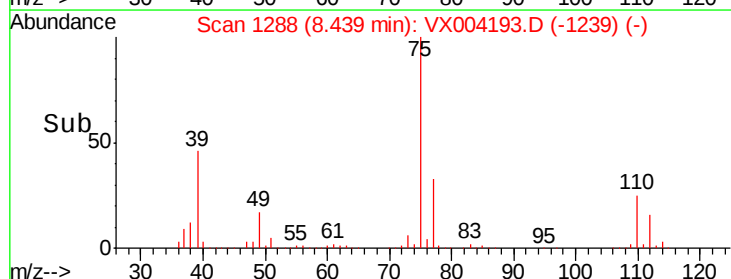
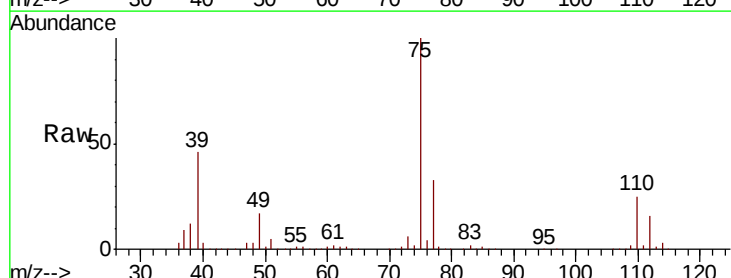
Manual Integrations  
APPROVED

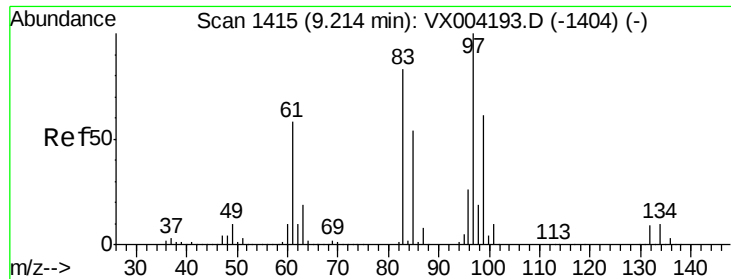
MMDadoda  
8/23/2018 9:39:53 AM



#54  
cis-1,3-Dichloropropene  
Concen: 52.60 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Tgt Ion: 75 Resp: 308770  
Ion Ratio Lower Upper  
75 100  
77 32.7 26.2 39.2  
39 45.5 36.4 54.6





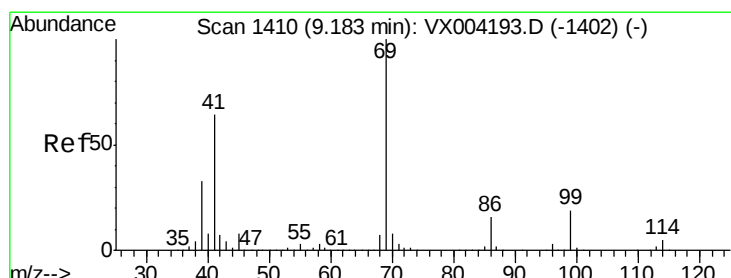
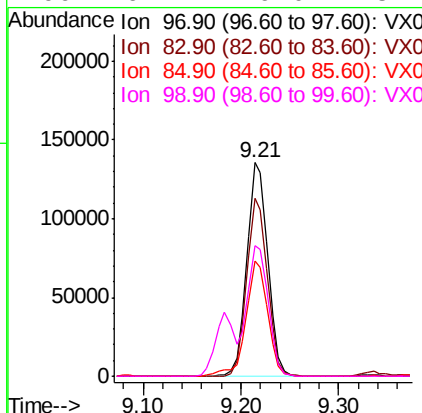
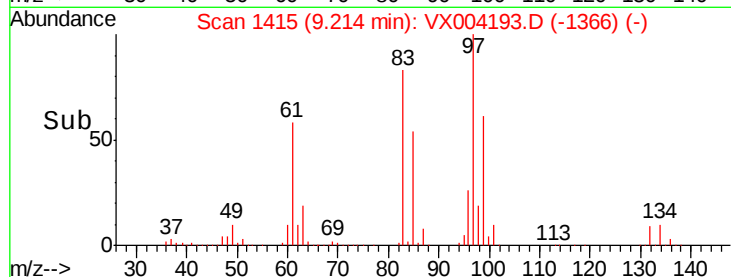
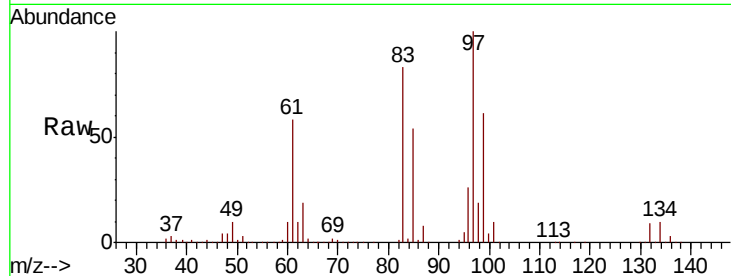
#55  
 1,1,2-Trichloroethane  
 Concen: 50.61 ug/l  
 RT: 9.21 min Scan# 1415  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 201213 |       |       |
| 83      | 83.0 | 66.4  | 99.6   |       |       |
| 85      | 54.1 | 43.3  | 64.9   |       |       |
| 99      | 61.2 | 49.0  | 73.4   |       |       |

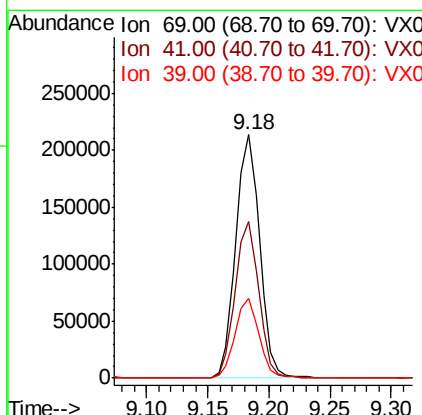
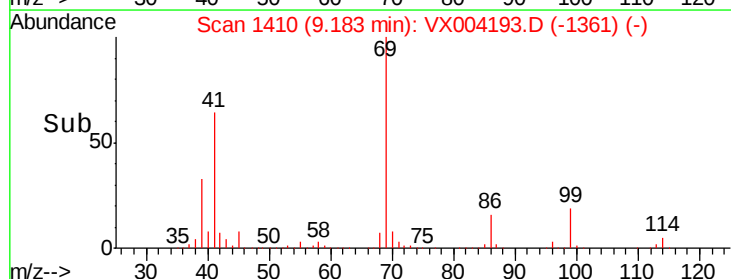
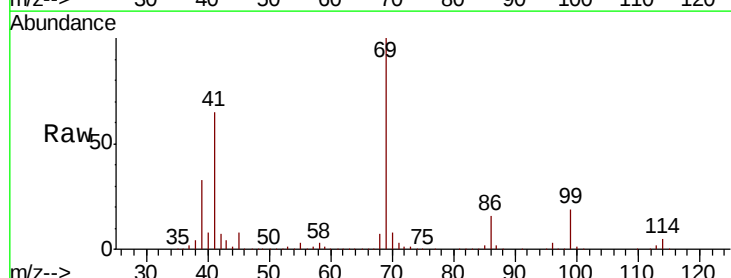
Manual Integrations  
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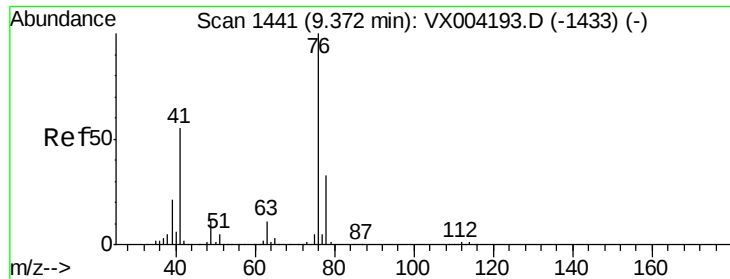
MMDadoda  
 8/23/2018 9:39:53 AM



#56  
 Ethyl methacrylate  
 Concen: 53.34 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 288718 |       |       |
| 41      | 63.7 | 51.0  | 76.4   |       |       |
| 39      | 32.6 | 26.1  | 39.1   |       |       |





#57

1,3-Dichloropropane

Concen: 50.44 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 338056

Ion Ratio Lower Upper

76 100

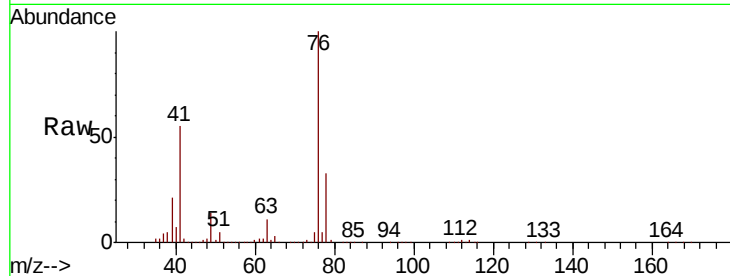
78 31.9 25.5 38.3

Manual Integrations

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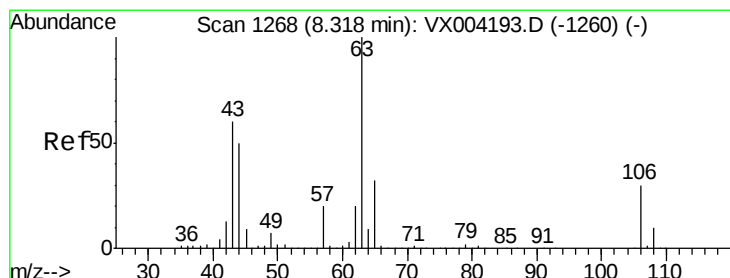
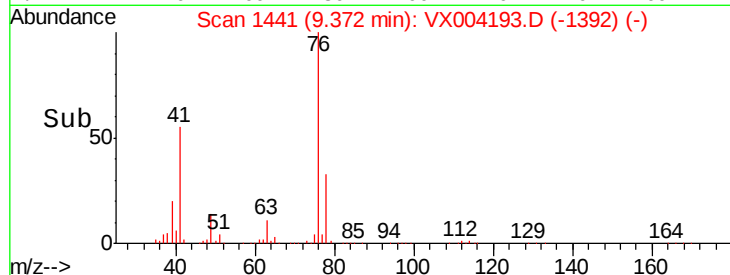
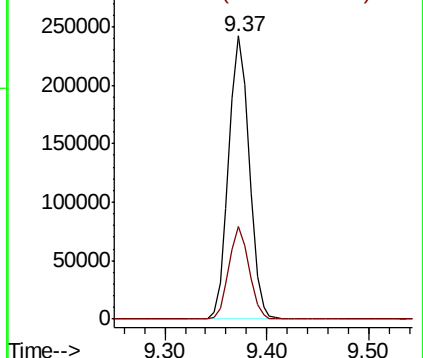
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 274.52 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX004193.D

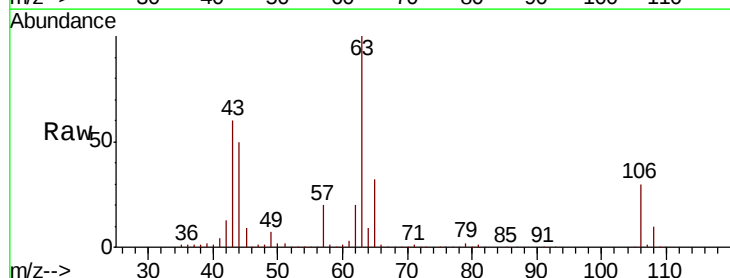
Acq: 22 Aug 2018 11:41

Tgt Ion: 63 Resp: 761307

Ion Ratio Lower Upper

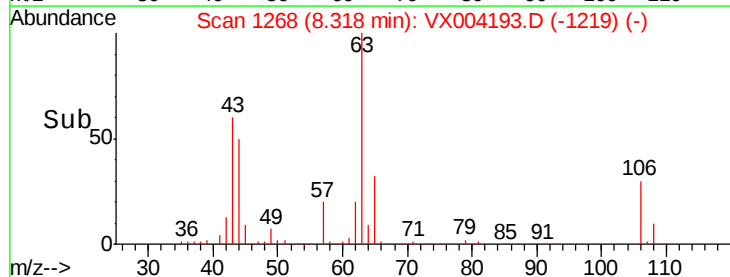
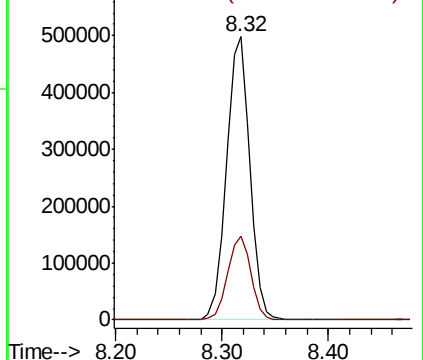
63 100

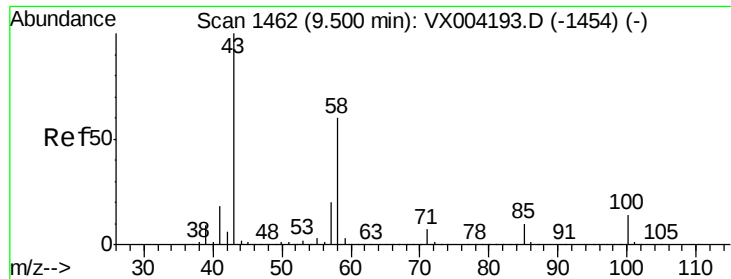
106 29.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





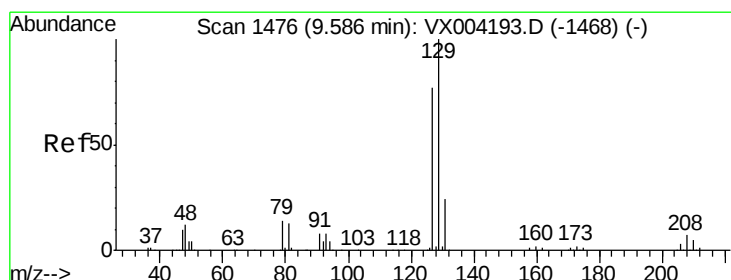
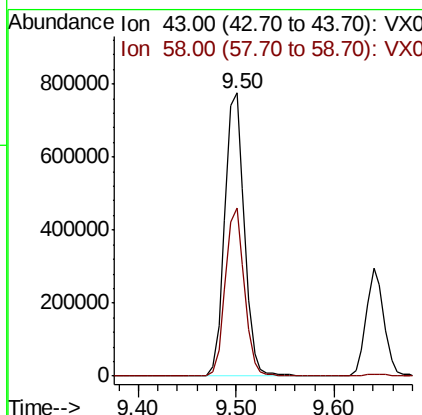
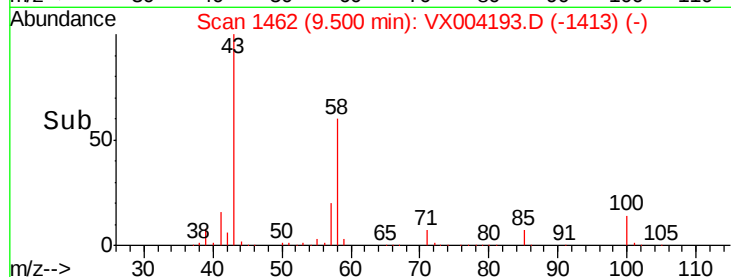
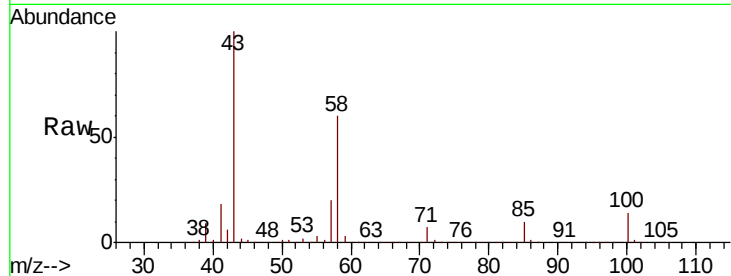
#59  
2-Hexanone  
Concen: 244.94 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tot Ion: 43 Resp: 1080412  
Ion Ratio Lower Upper  
43 100  
58 58.0 29.0 87.0

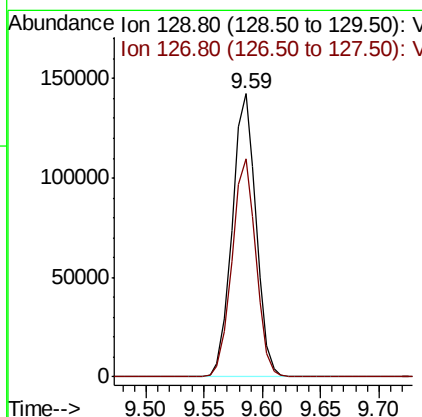
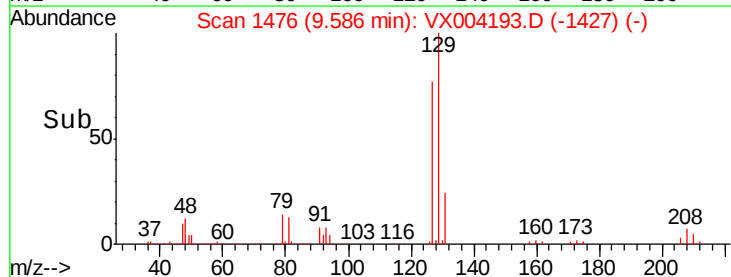
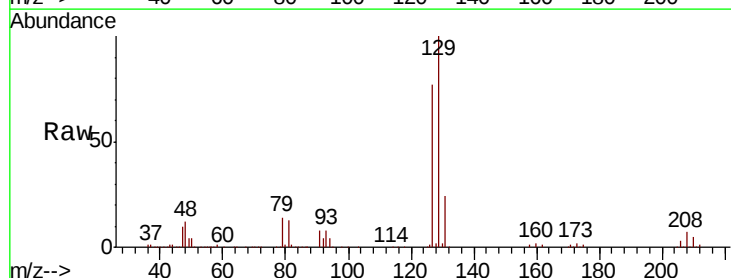
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#60  
Dibromochloromethane  
Concen: 52.50 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Tgt Ion:129 Resp: 203358  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.75 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 208821

Ion Ratio Lower Upper

107 100

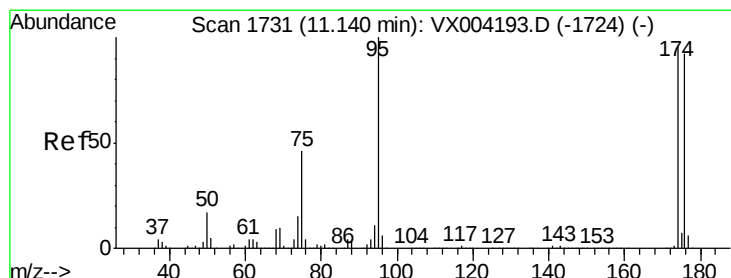
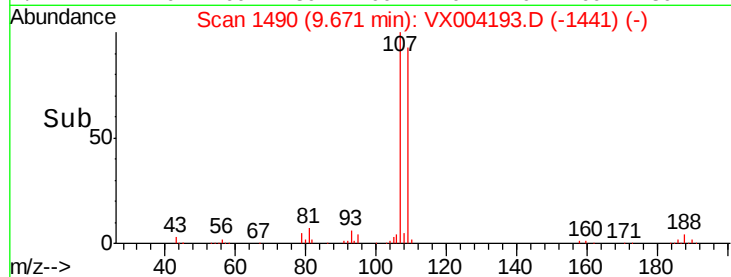
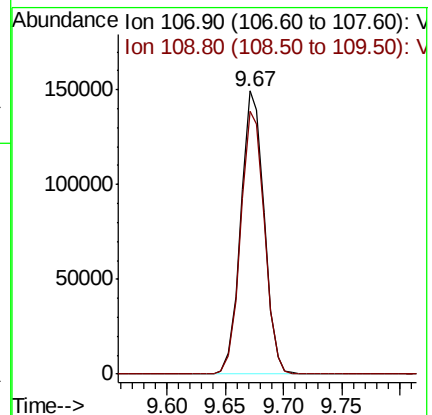
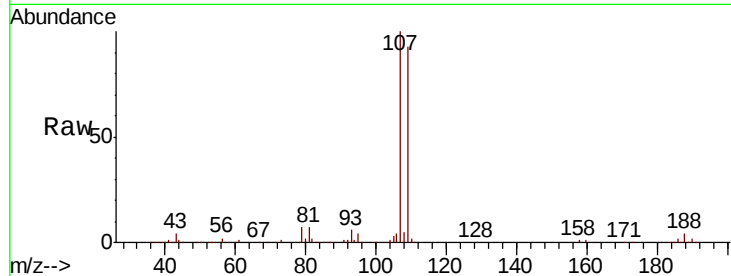
109 95.0 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 49.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

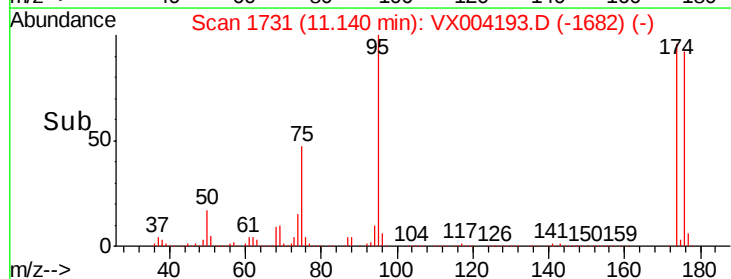
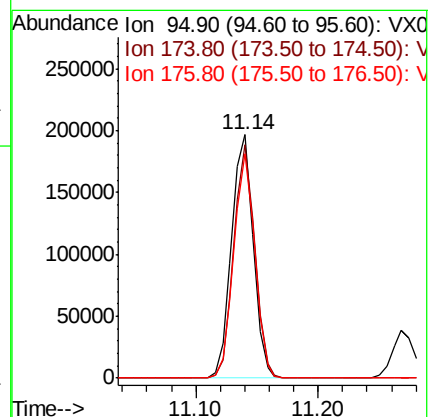
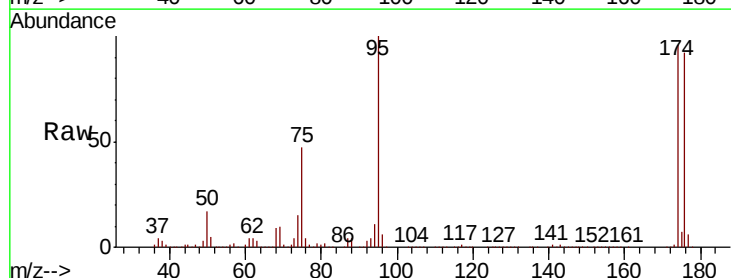
Tgt Ion: 95 Resp: 241410

Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.2

176 89.3 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

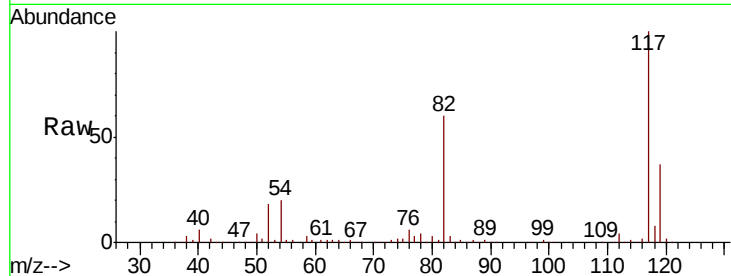
ClientSampleId :

VSTDICCC050

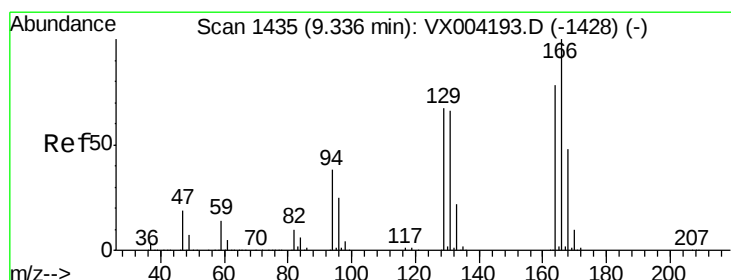
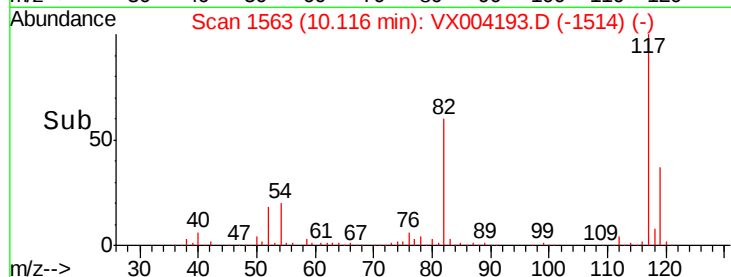
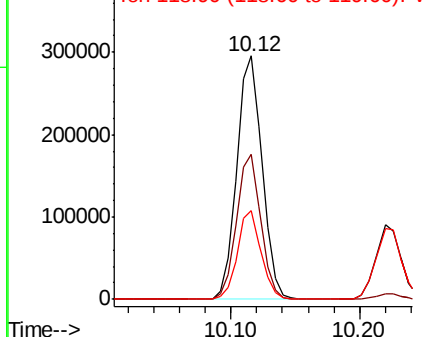
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 404104 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.7  | 47.8  | 71.6   |
| 119       | 36.6  | 29.3  | 43.9   |

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Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX  
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.44 ug/l

RT: 9.34 min Scan# 1435

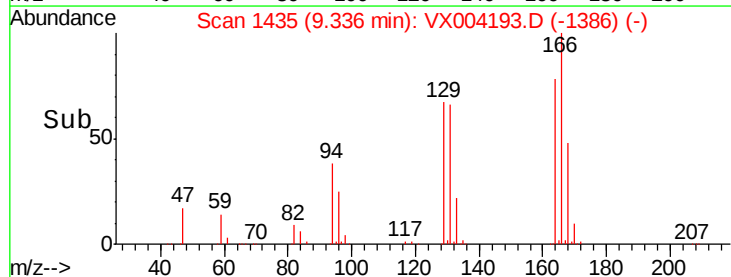
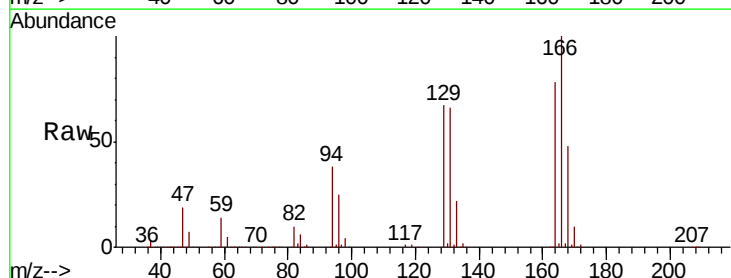
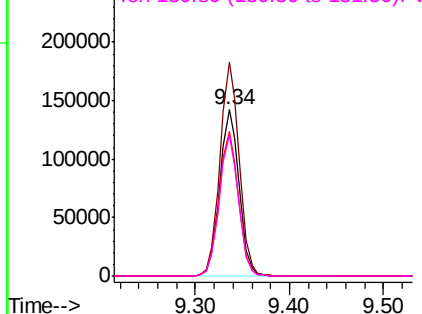
Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 201363 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 166       | 128.5 | 102.8 | 154.2  |
| 129       | 86.7  | 69.4  | 104.0  |
| 131       | 84.9  | 67.9  | 101.9  |

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





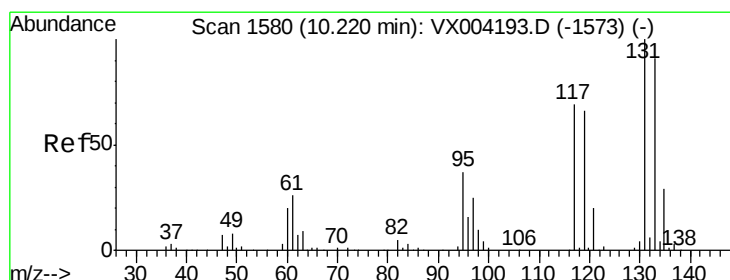
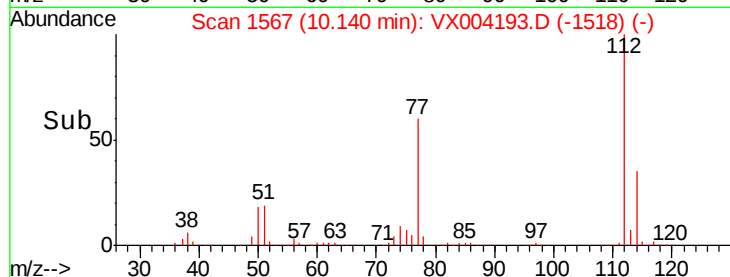
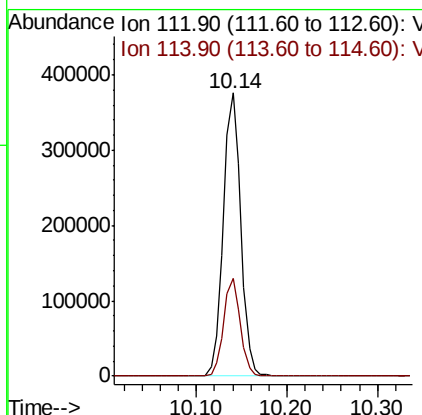
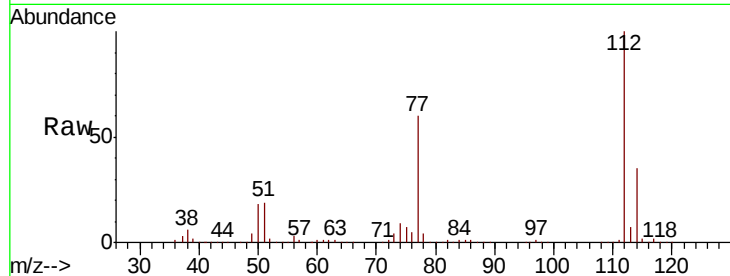
#65  
Chlorobenzene  
Concen: 49.76 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 34.8  | 27.8  | 41.8  |

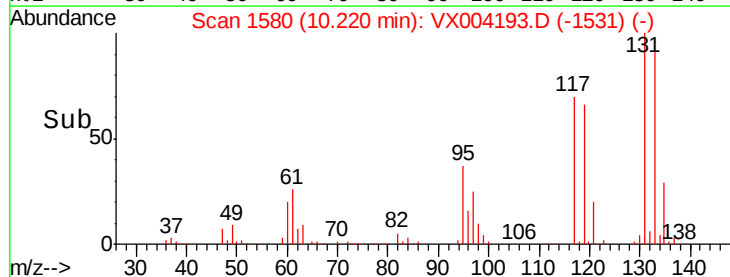
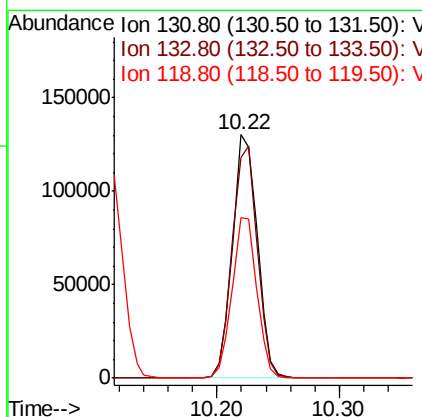
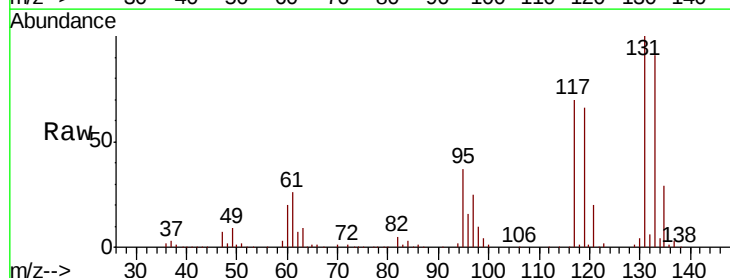
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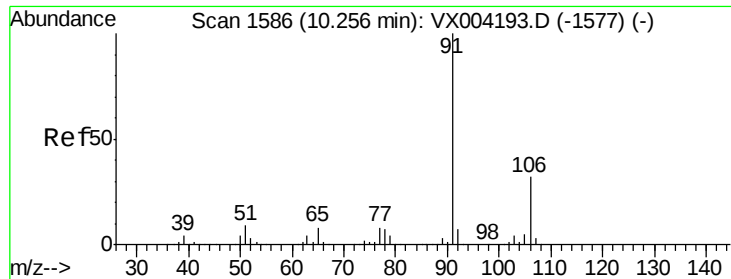
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.01 ug/l  
RT: 10.22 min Scan# 1580  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.3  | 48.1  | 144.4 |
| 119     | 65.7  | 32.9  | 98.6  |





#67

Ethyl Benzene

Concen: 53.08 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 874195

Ion Ratio Lower Upper

91 100

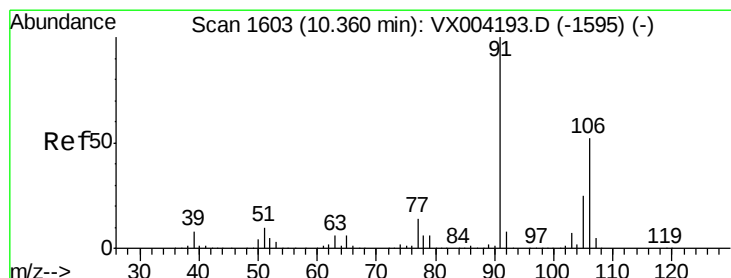
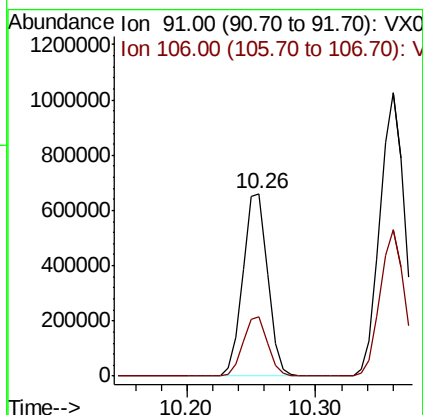
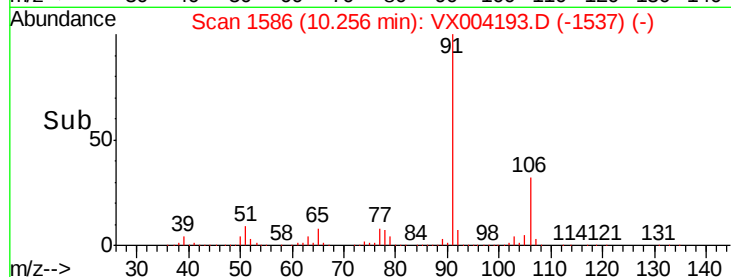
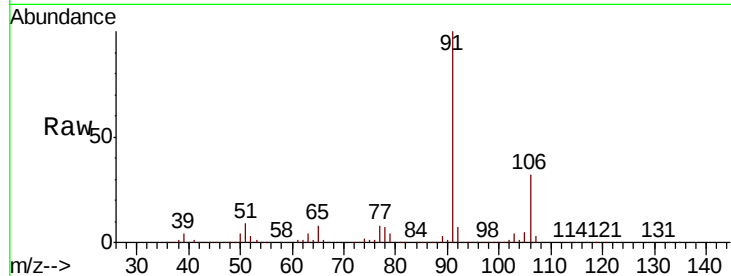
106 32.4 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 108.18 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004193.D

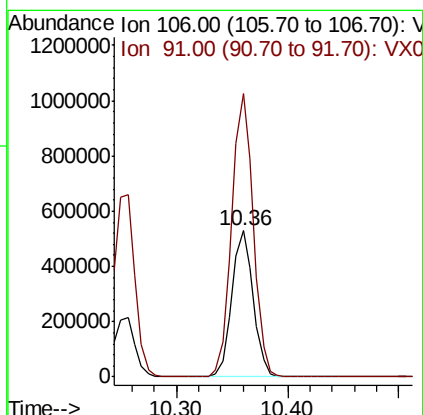
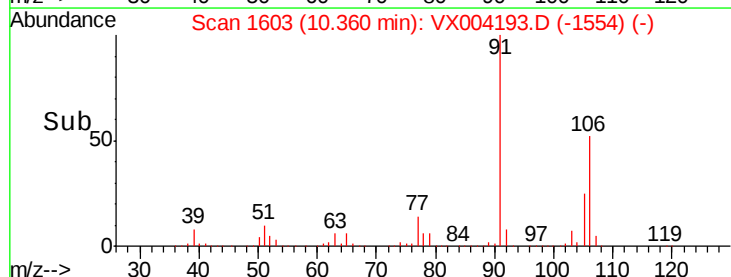
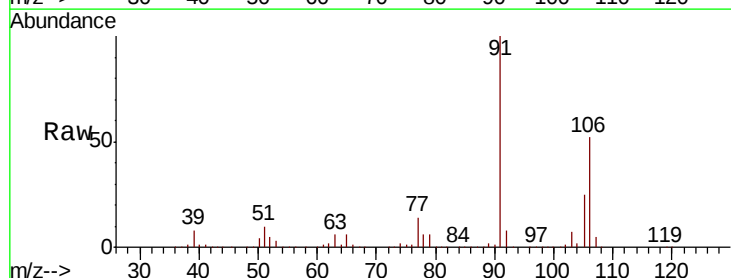
Acq: 22 Aug 2018 11:41

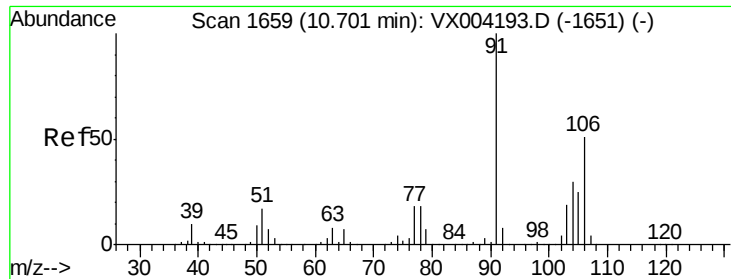
Tgt Ion: 106 Resp: 696743

Ion Ratio Lower Upper

106 100

91 196.4 157.1 235.7





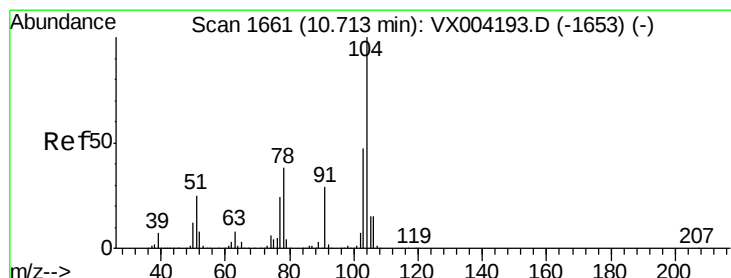
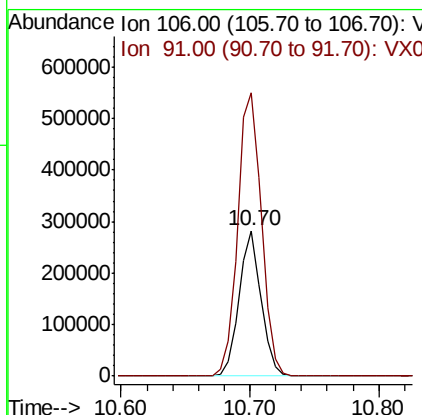
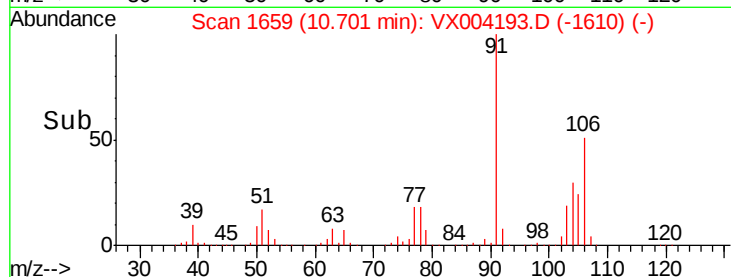
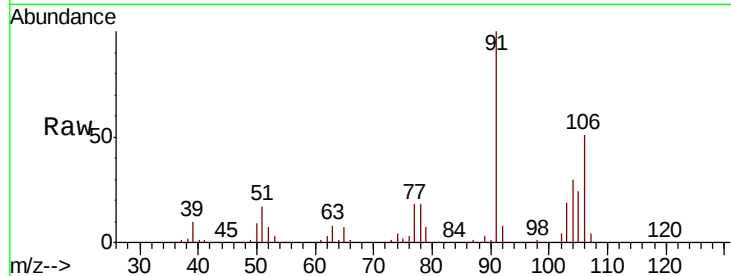
#69  
o-Xylene  
Concen: 54.87 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       |        |       |       |
| 91      | 210.1 | 105.1 | 334280 | 315.1 |       |

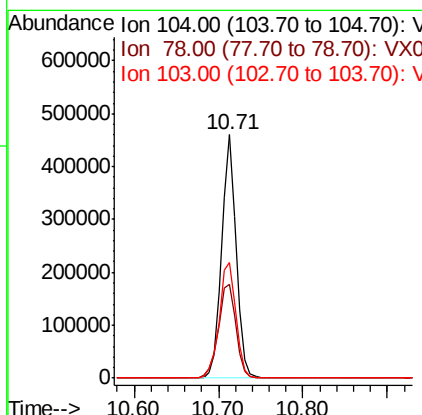
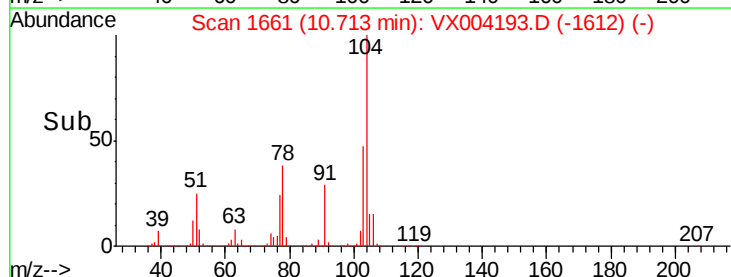
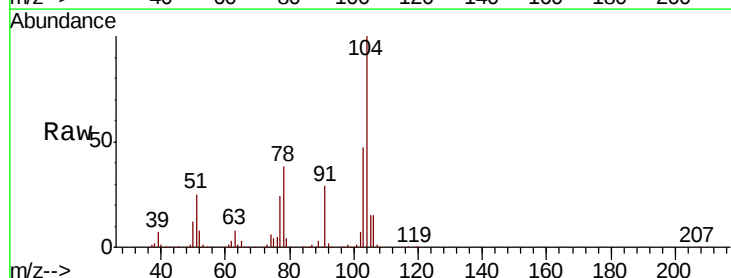
Manual Integrations  
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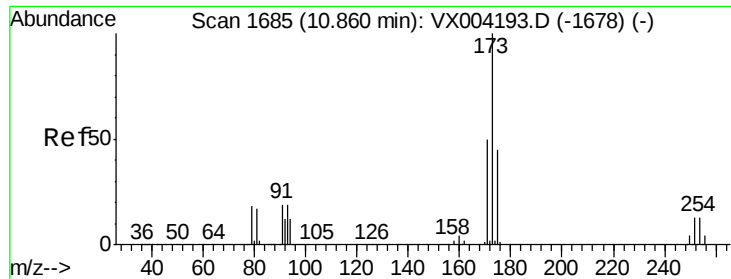
MMDadoda  
8/23/2018 9:39:53 AM



#70  
Styrene  
Concen: 55.88 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       |        |       |       |
| 78      | 46.7 | 37.4  | 551196 | 56.0  |       |
| 103     | 54.7 | 43.8  |        | 65.6  |       |





#71

Bromoform

Concen: 53.35 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 150439

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.3

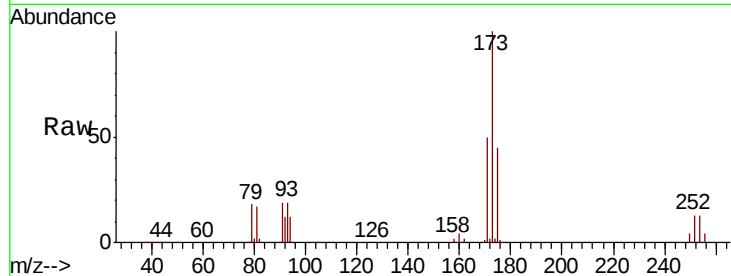
254 0.2 0.2 0.2

Manual Integrations

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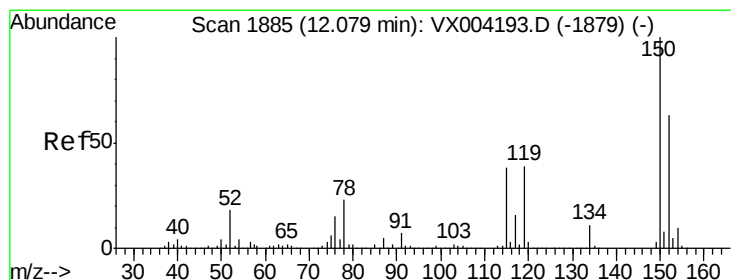
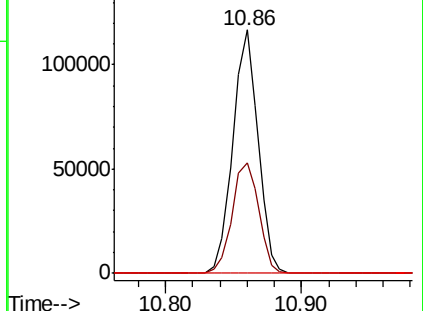
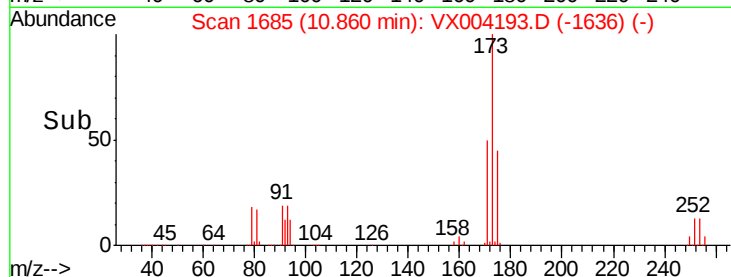
8/23/2018 9:39:53 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

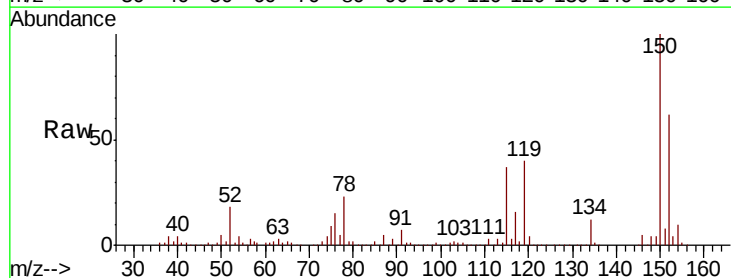
Tgt Ion:152 Resp: 277159

Ion Ratio Lower Upper

152 100

115 78.0 39.0 117.0

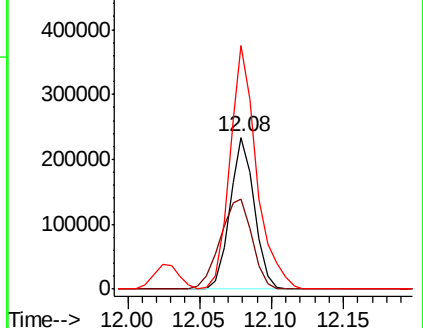
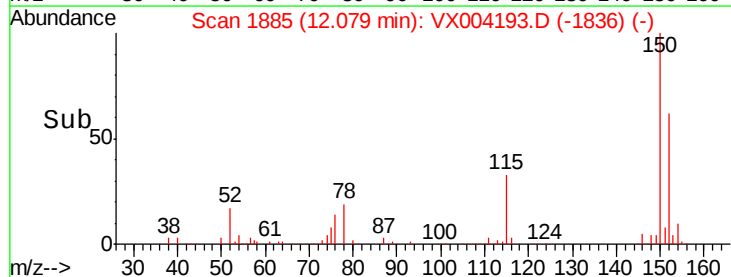
150 175.5 0.0 351.0



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: 52.66 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 958595

Ion Ratio Lower Upper

105 100

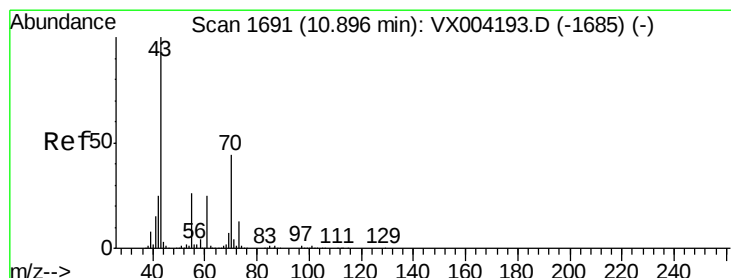
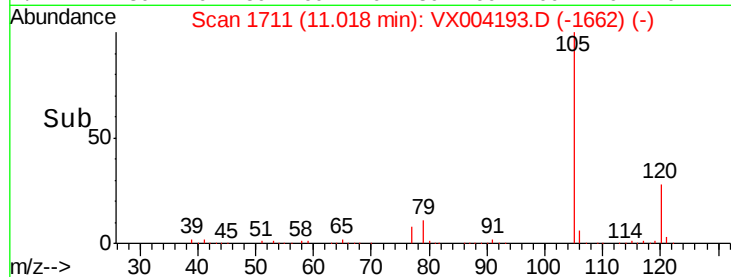
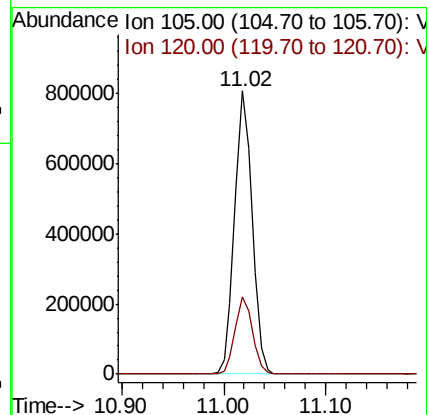
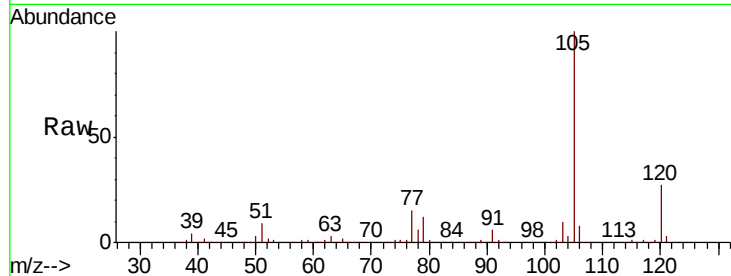
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.31 ug/l

RT: 10.90 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Tgt Ion: 43 Resp: 366611

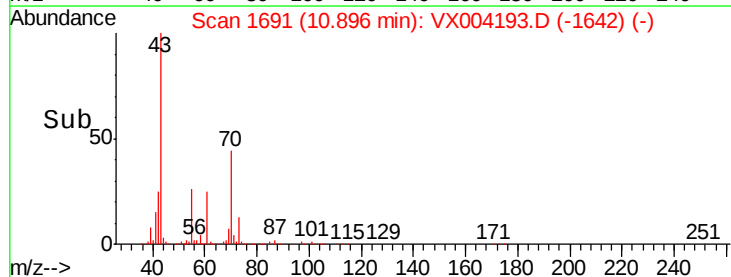
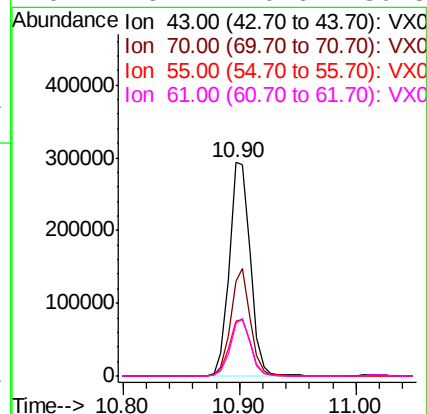
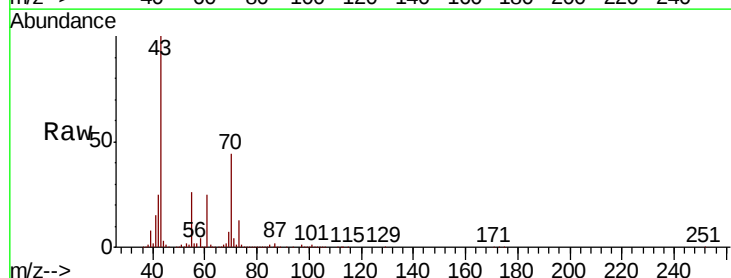
Ion Ratio Lower Upper

43 100

70 46.7 37.4 56.0

55 27.3 21.8 32.8

61 25.7 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.06 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 312515

Ion Ratio Lower Upper

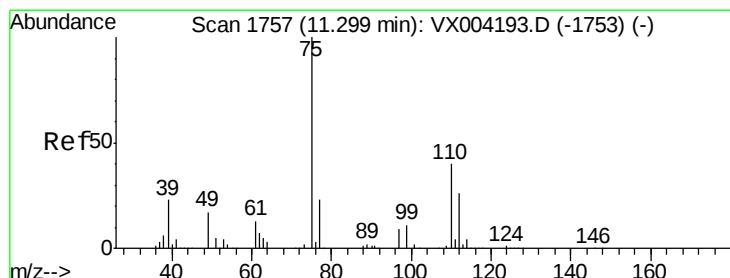
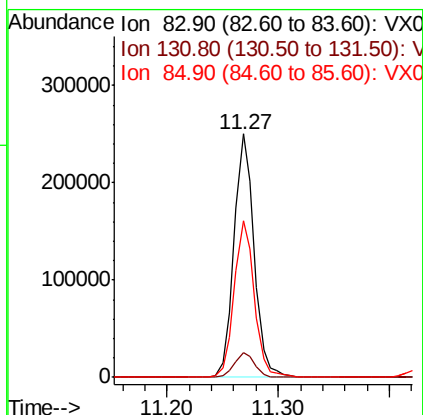
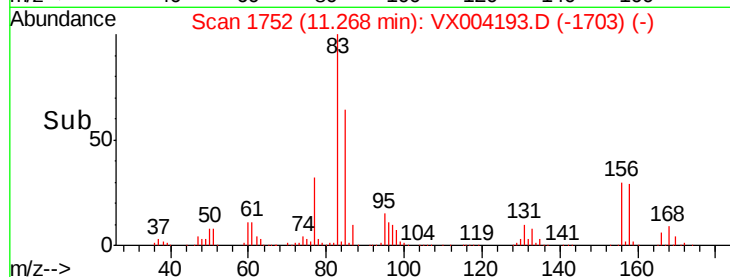
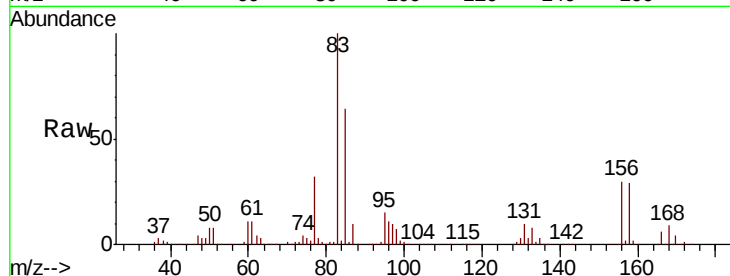
83 100

131 10.4 5.2 15.6

85 64.5 32.3 96.8

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 51.56 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004193.D

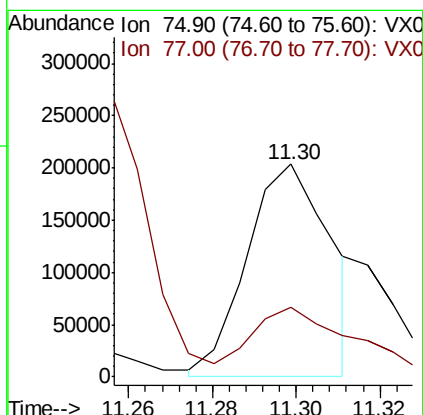
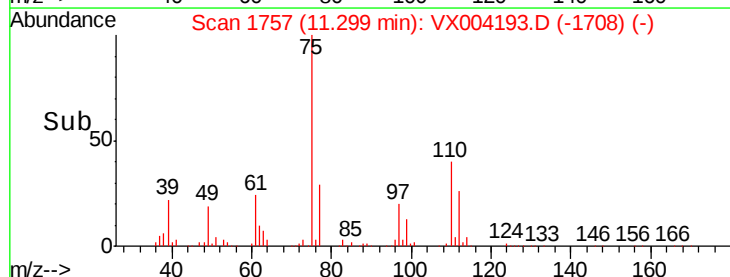
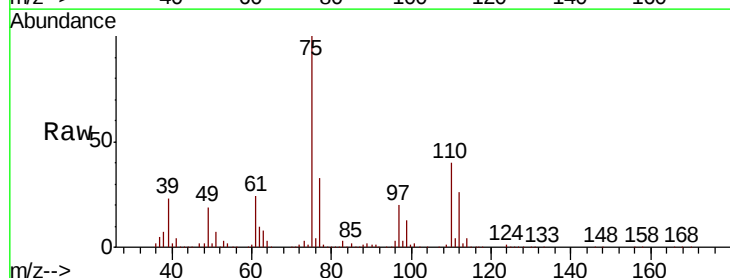
Acq: 22 Aug 2018 11:41

Tgt Ion: 75 Resp: 282119

Ion Ratio Lower Upper

75 100

77 40.4 20.2 60.6





#77

Bromobenzene

Concen: 49.70 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 156 Resp: 253805

Ion Ratio Lower Upper

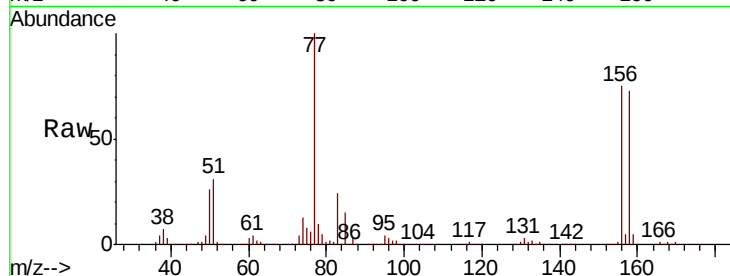
156 100

77 142.9 71.5 214.3

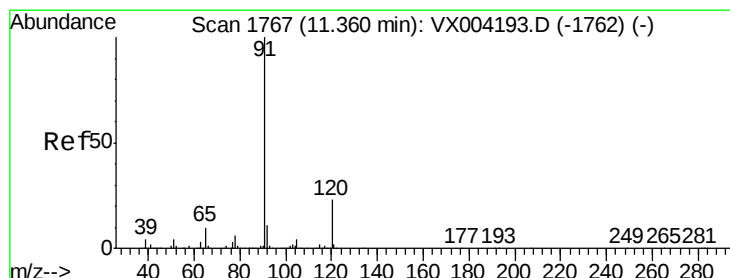
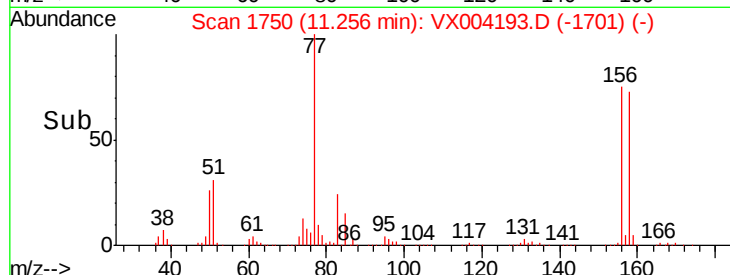
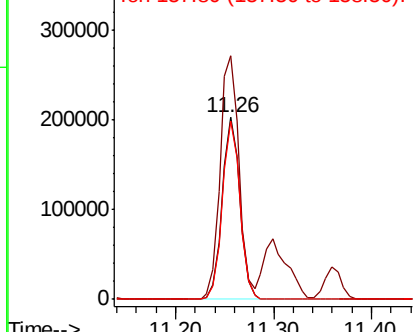
158 97.9 48.9 146.8

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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VX0  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.13 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004193.D

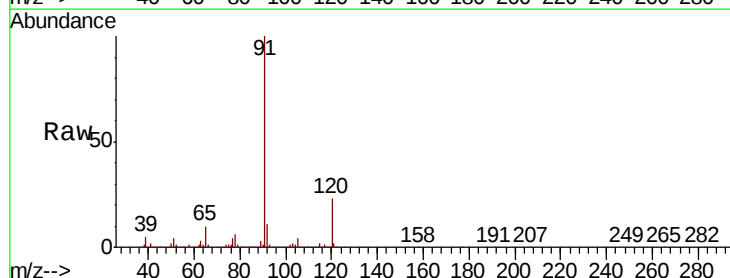
Acq: 22 Aug 2018 11:41

Tgt Ion: 91 Resp: 1112260

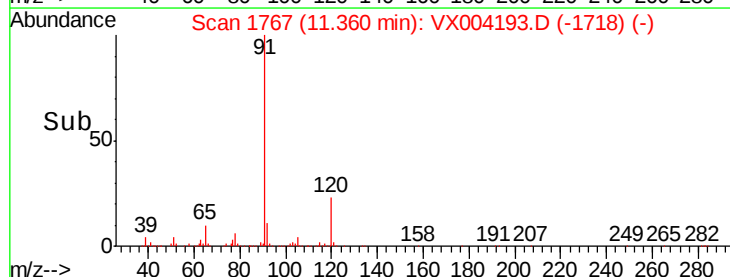
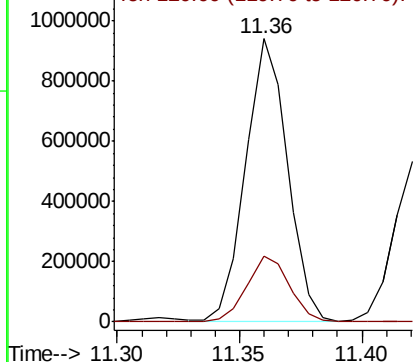
Ion Ratio Lower Upper

91 100

120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 120.00 (119.70 to 120.70): V





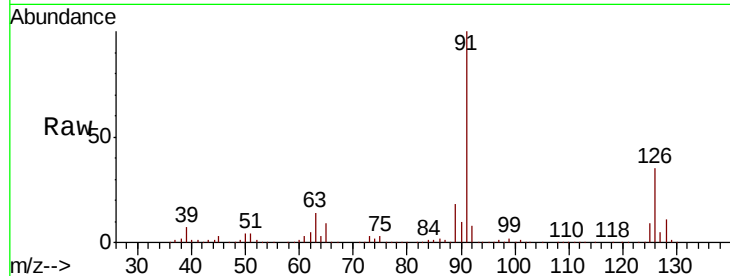
#79  
 2-Chlorotoluene  
 Concen: 50.57 ug/l  
 RT: 11.42 min Scan# 1777  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VSTDICCC050

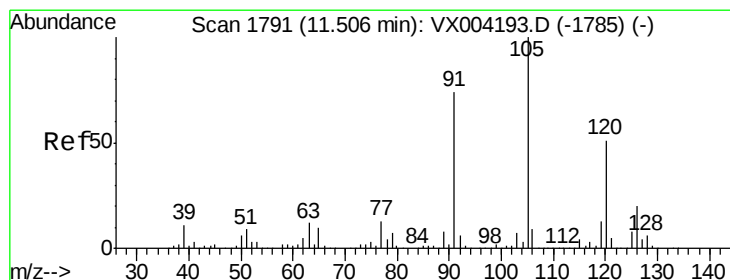
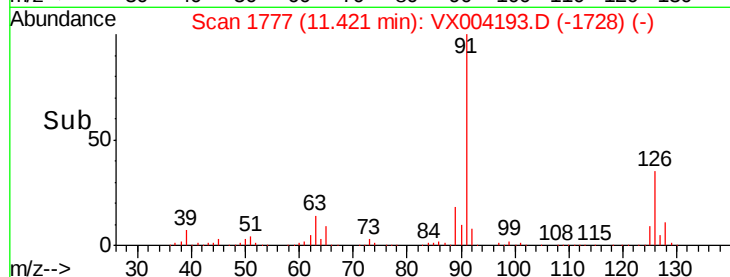
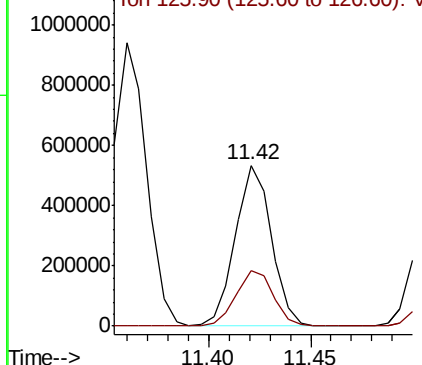
Tot Ion: 91 Resp: 651716  
 Ion Ratio Lower Upper  
 91 100  
 126 35.8 17.9 53.7

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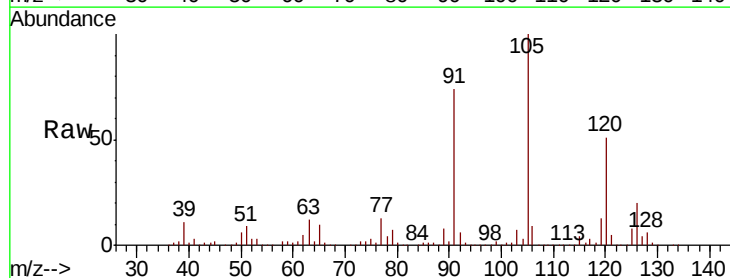


Abundance Ion 91.00 (90.70 to 91.70): VX0  
 Ion 125.90 (125.60 to 126.60): V

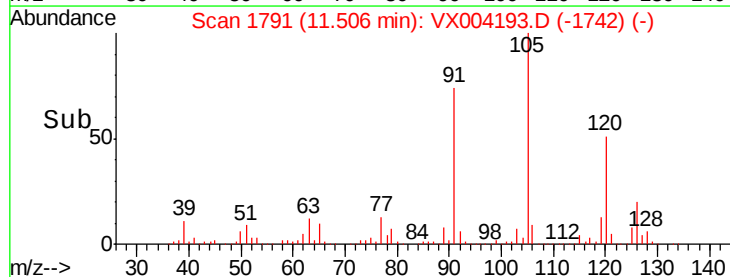
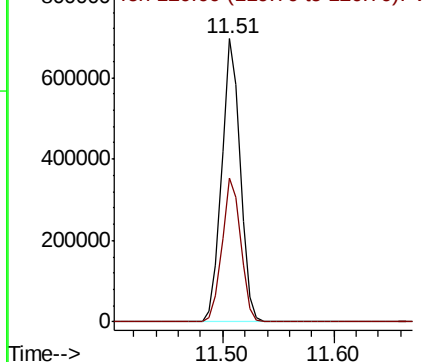


#80  
 1,3,5-Trimethylbenzene  
 Concen: 53.14 ug/l  
 RT: 11.51 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Tgt Ion:105 Resp: 801046  
 Ion Ratio Lower Upper  
 105 100  
 120 51.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.49 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 91199

Ion Ratio Lower Upper

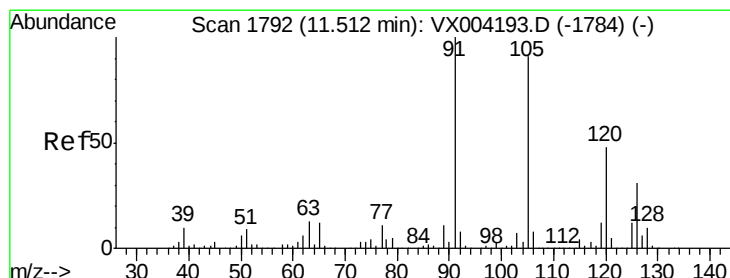
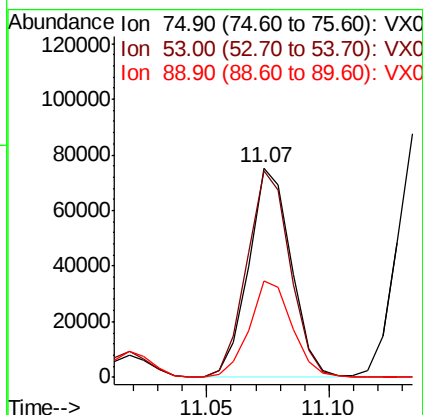
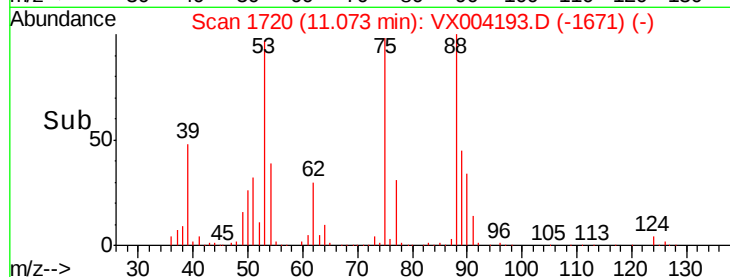
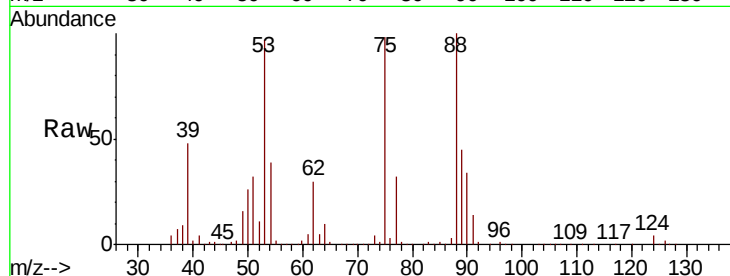
75 100

53 100.1 80.1 120.1

89 46.5 37.2 55.8

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#82

4-Chlorotoluene

Concen: 50.79 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004193.D

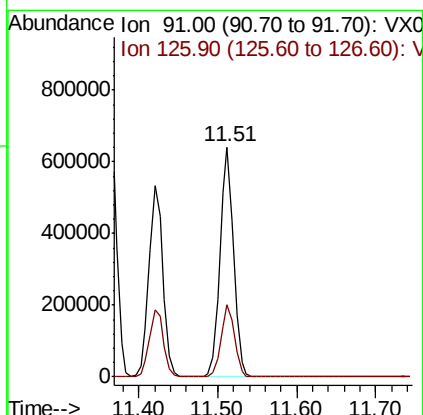
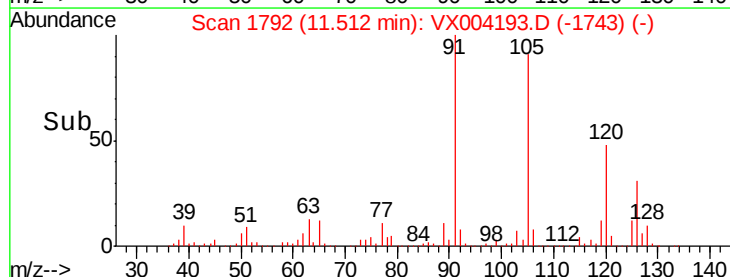
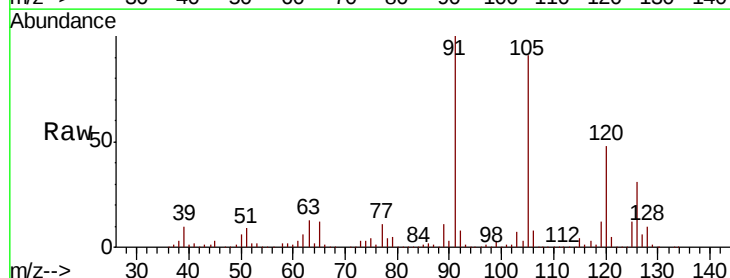
Acq: 22 Aug 2018 11:41

Tgt Ion: 91 Resp: 770214

Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5





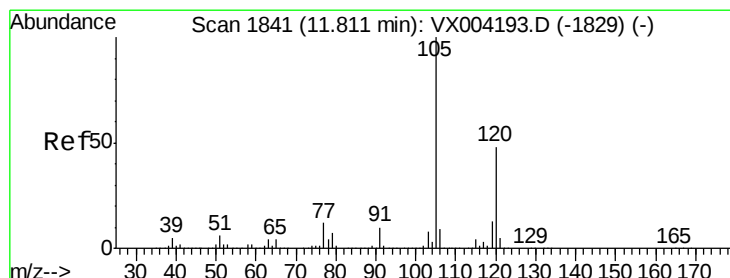
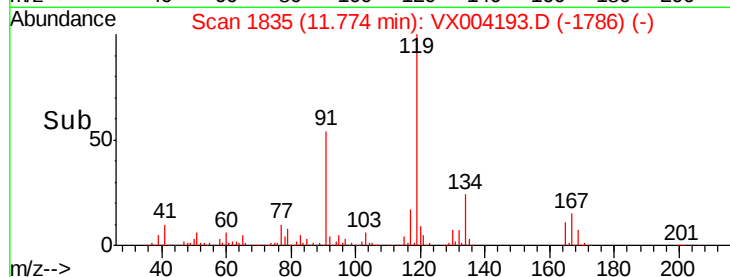
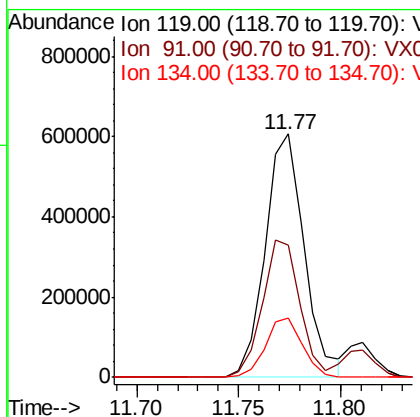
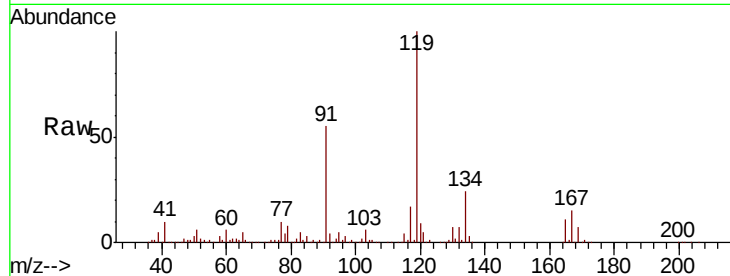
#83  
 tert-Butylbenzene  
 Concen: 53.39 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 54.0  | 27.0  | 81.0  |
| 134     | 23.4  | 11.7  | 35.1  |

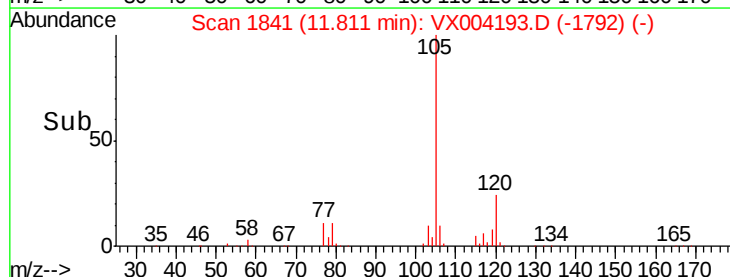
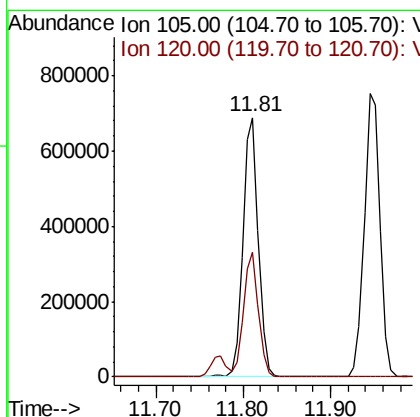
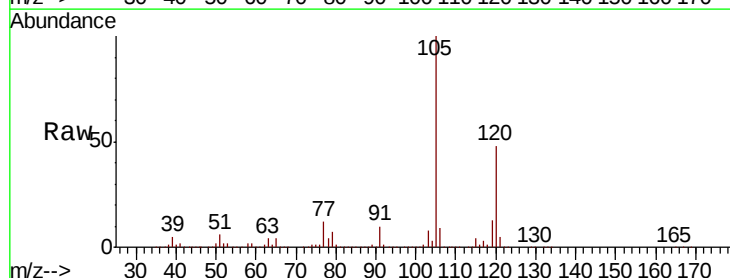
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.24 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.4  | 23.2  | 69.6  |





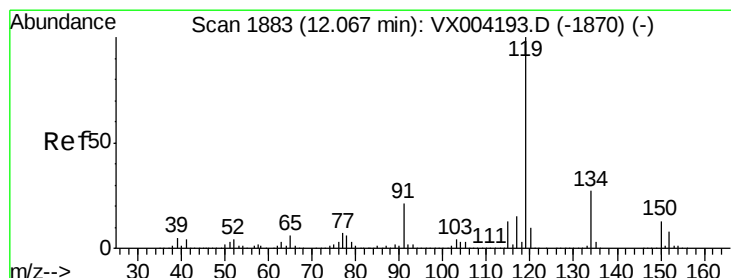
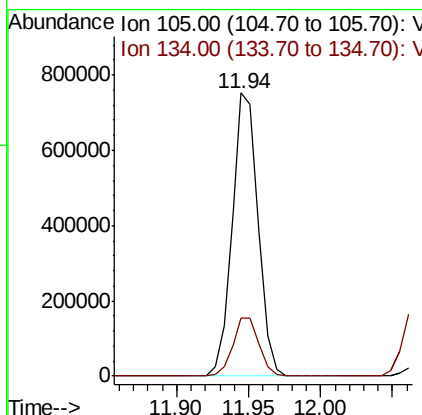
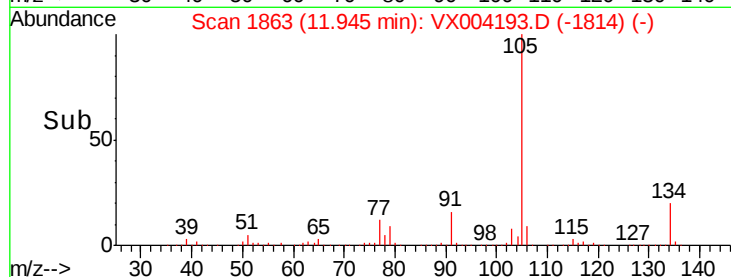
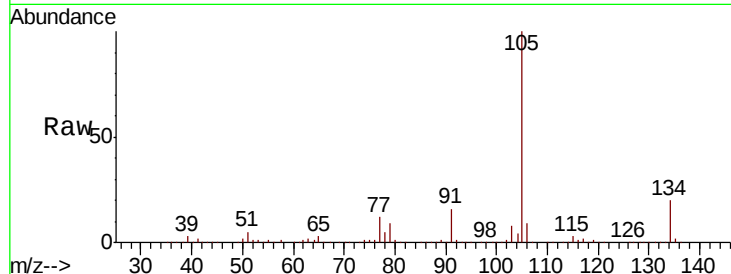
#85  
 sec-Butylbenzene  
 Concen: 52.55 ug/l  
 RT: 11.94 min Scan# 1863  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.0  | 10.5  | 31.5  |

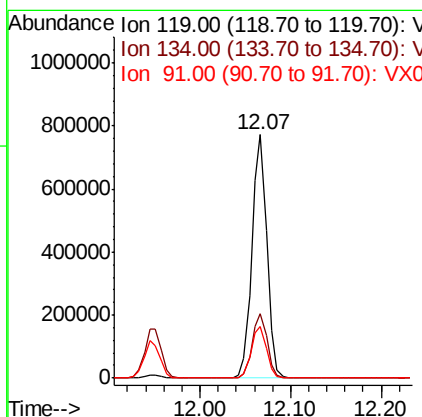
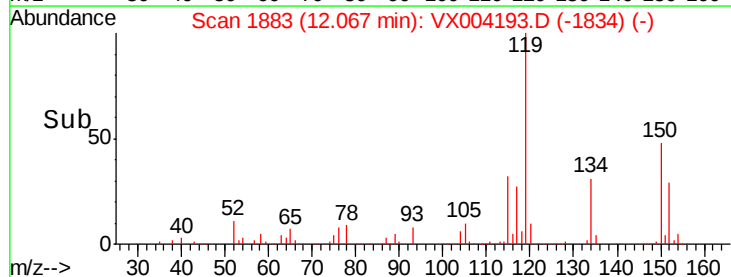
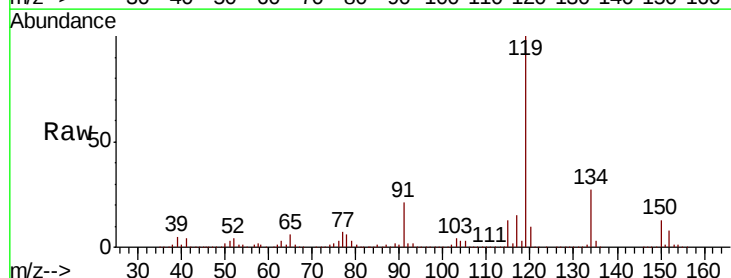
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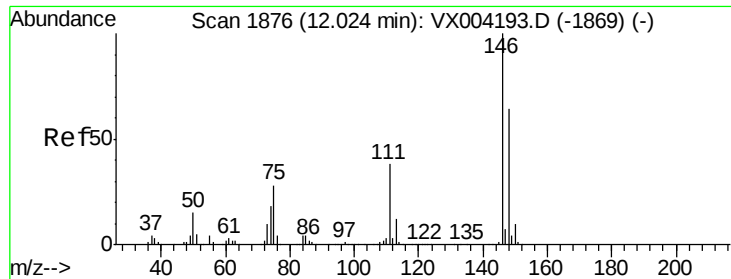
MMDadoda  
 8/23/2018 9:39:53 AM



#86  
 p-Isopropyltoluene  
 Concen: 54.10 ug/l  
 RT: 12.07 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.8  | 13.4  | 40.2  |
| 91      | 21.8  | 10.9  | 32.7  |





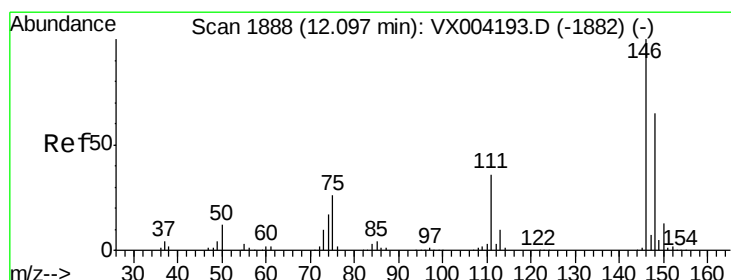
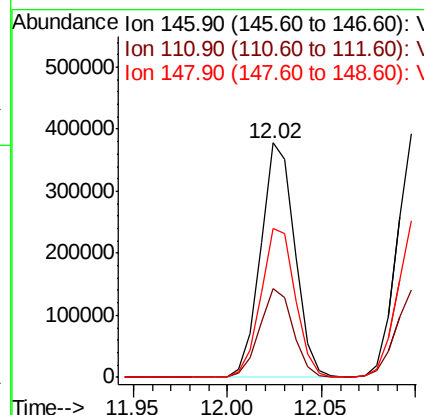
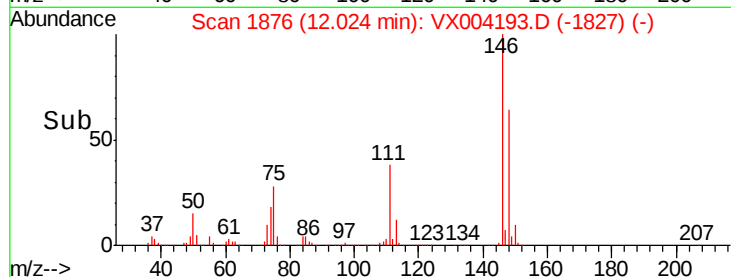
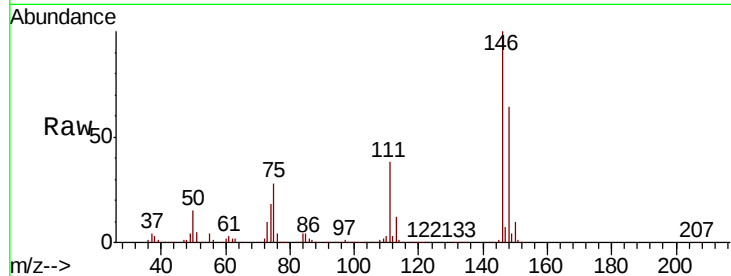
#87  
 1,3-Dichlorobenzene  
 Concen: 49.13 ug/l  
 RT: 12.02 min Scan# 1876  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.7  | 56.1  |
| 148     | 64.3  | 32.1  | 96.5  |

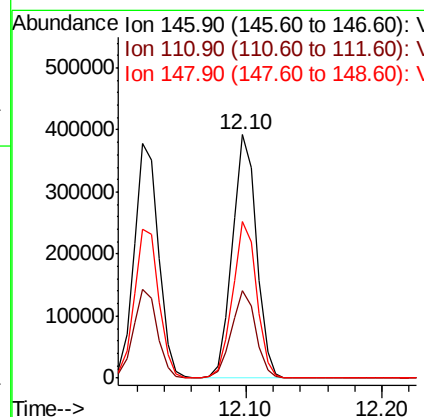
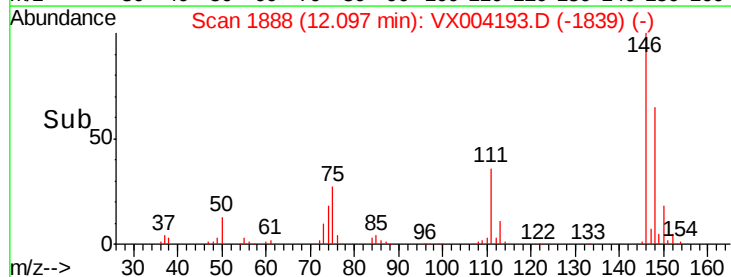
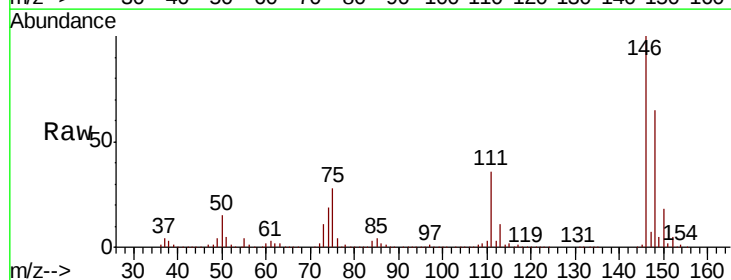
Manual Integrations  
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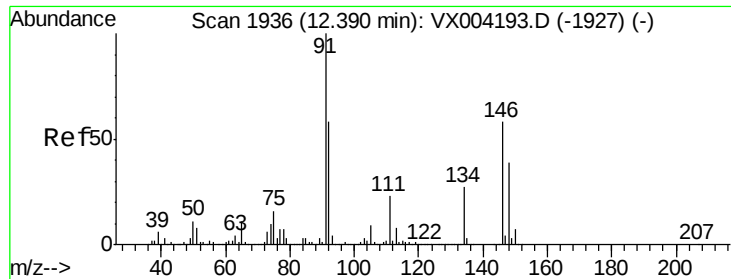
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 47.72 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.1  | 18.1  | 54.1  |
| 148     | 64.0  | 32.0  | 96.0  |





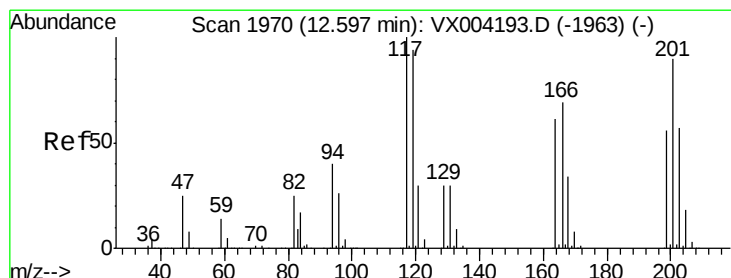
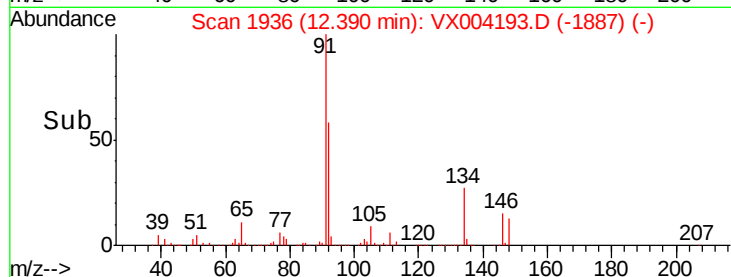
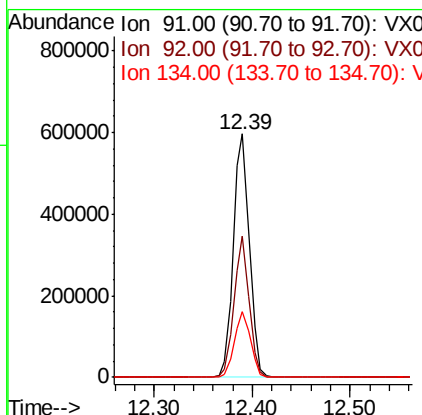
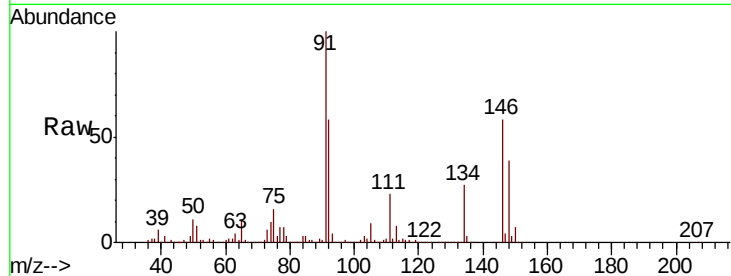
#89  
n-Butylbenzene  
Concen: 51.66 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 677958 |       |       |
| 92      | 54.6  | 27.3   | 81.9  |       |
| 134     | 27.1  | 13.6   | 40.7  |       |

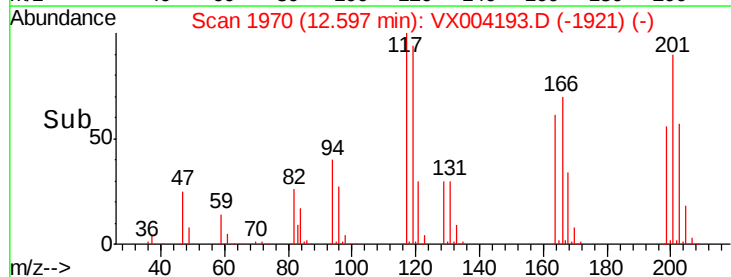
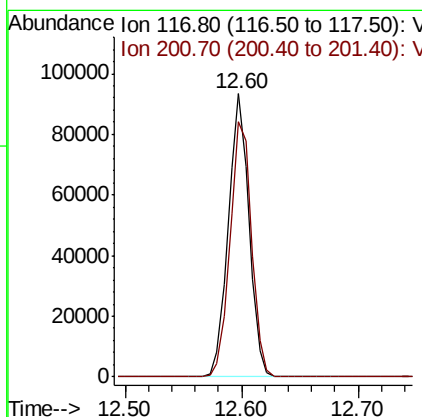
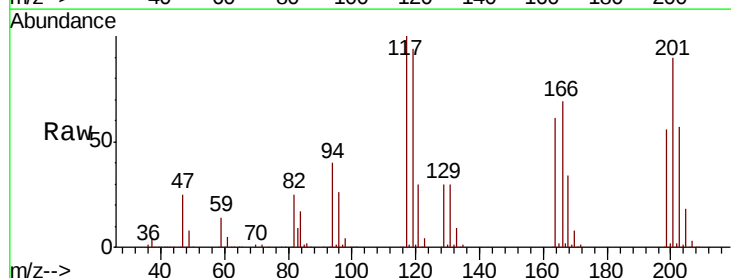
Manual Integrations  
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#90  
Hexachloroethane  
Concen: 51.06 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VX004193.D  
Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 115175 |       |       |
| 201     | 93.7  | 46.9   | 140.6 |       |





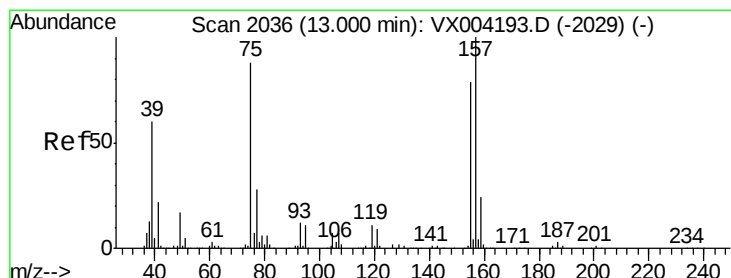
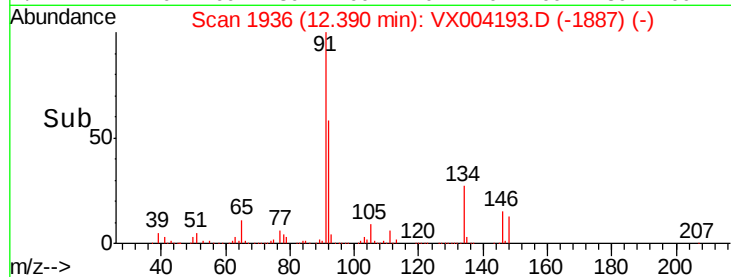
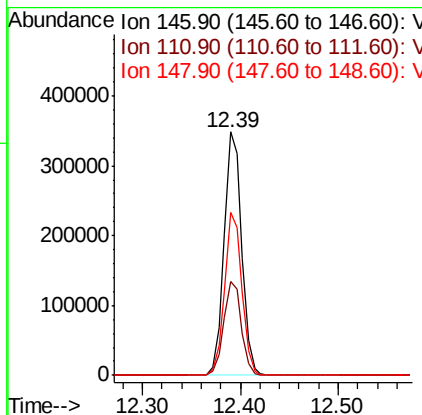
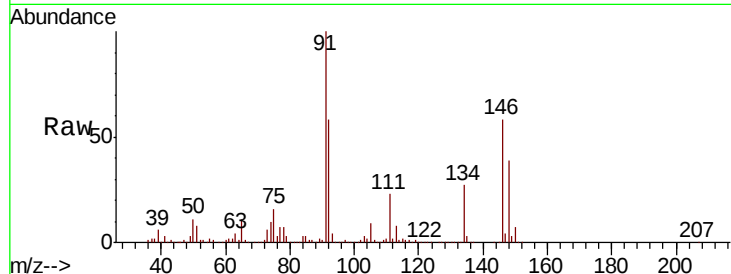
#91  
 1,2-Dichlorobenzene  
 Concen: 49.31 ug/l  
 RT: 12.39 min Scan# 1936  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.4  | 58.1  |
| 148     | 65.5  | 32.8  | 98.3  |

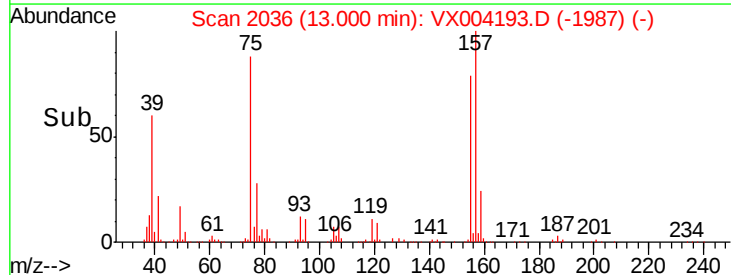
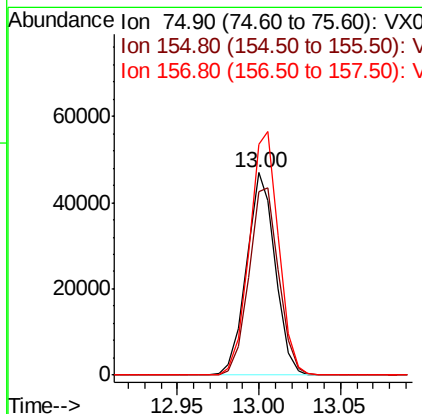
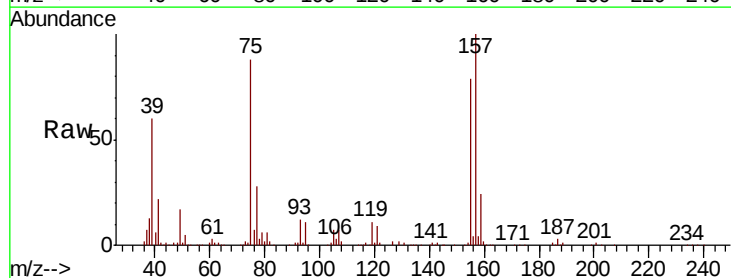
Manual Integrations  
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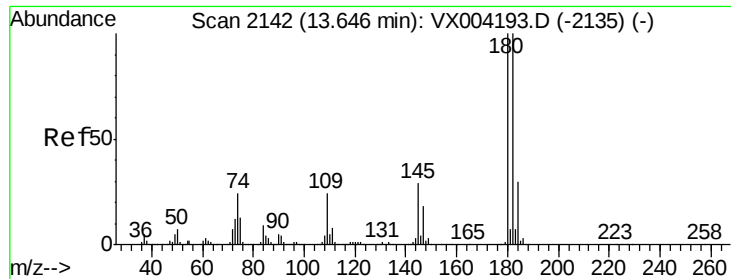
MMDadoda  
 8/23/2018 9:39:53 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.21 ug/l  
 RT: 13.00 min Scan# 2036  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 96.1  | 48.0  | 144.2 |
| 157     | 122.7 | 61.4  | 184.1 |





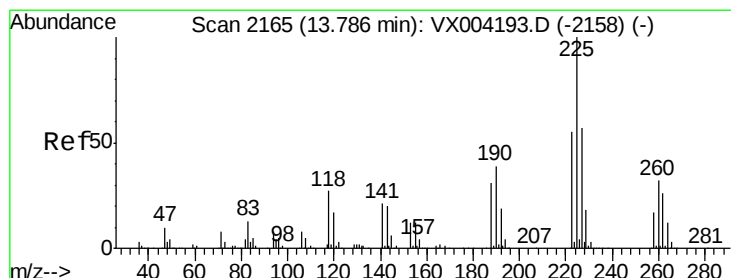
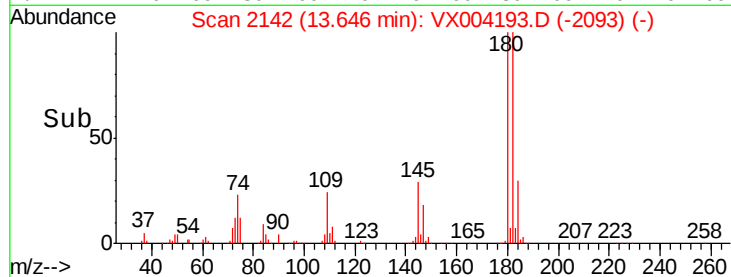
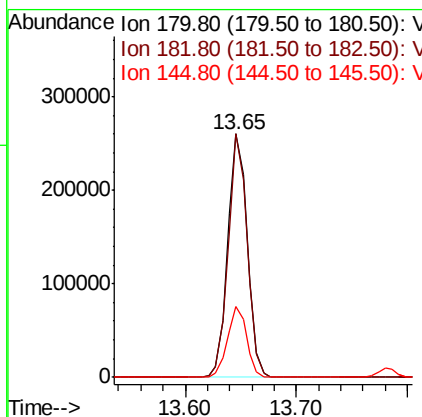
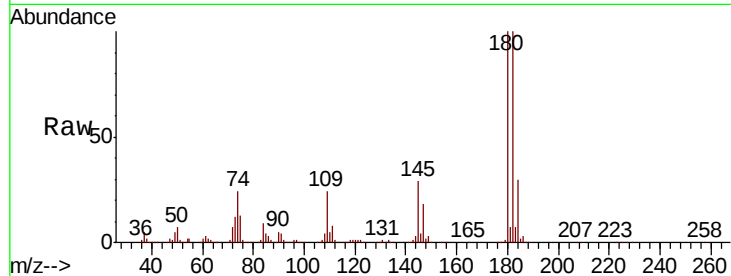
#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.22 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 314673 |       |       |
| 182     | 96.7  | 48.4   | 145.0 |       |
| 145     | 28.6  | 14.3   | 42.9  |       |

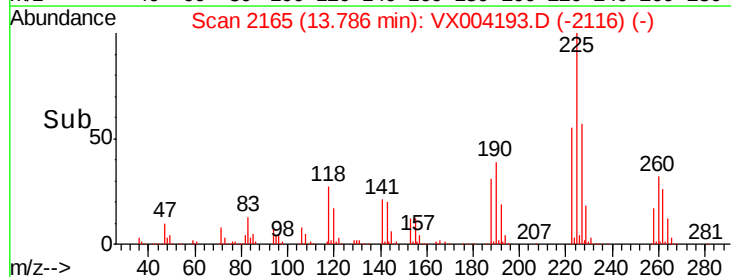
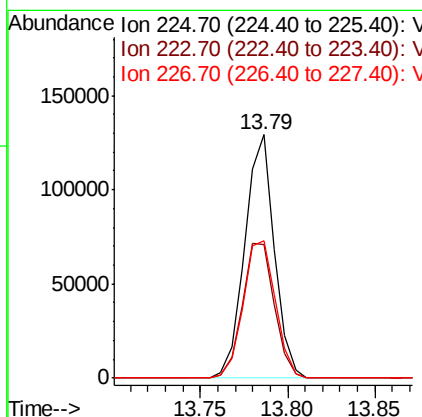
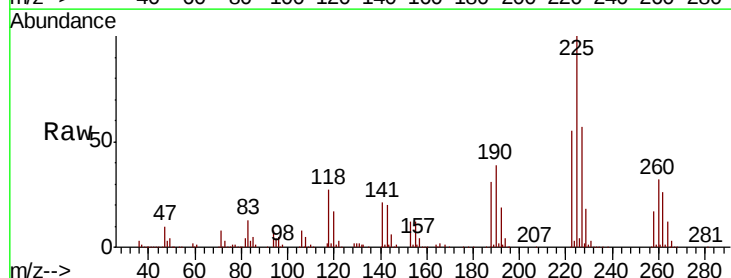
Manual Integrations  
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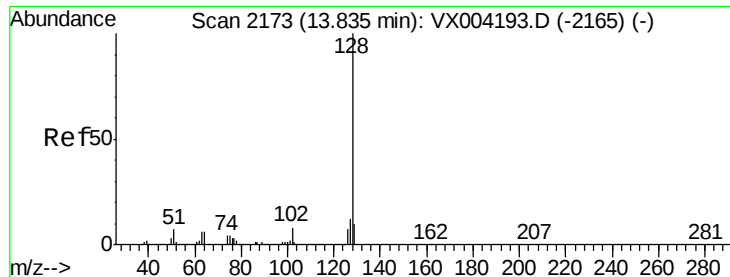
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#94  
 Hexachlorobutadiene  
 Concen: 48.21 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX004193.D  
 Acq: 22 Aug 2018 11:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 151323 |       |       |
| 223     | 60.3  | 30.1   | 90.5  |       |
| 227     | 61.6  | 30.8   | 92.4  |       |





#95

Naphthalene

Concen: 55.98 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1012261

Ion Ratio Lower Upper

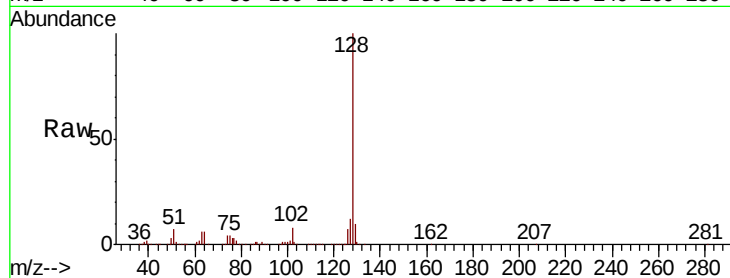
128 100

127 12.7 10.2 15.2

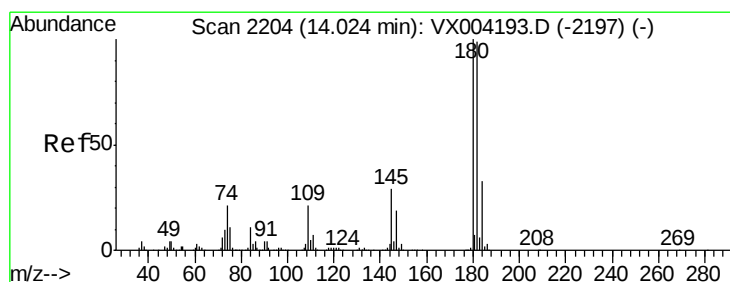
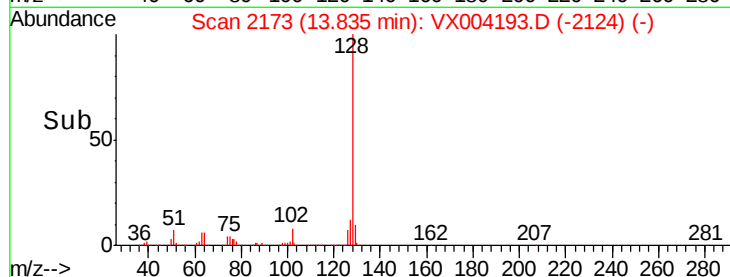
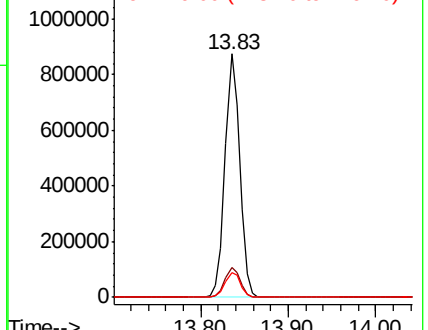
129 10.7 8.6 12.8

Manual Integrations  
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Abundance Ion 128.00 (127.70 to 128.70): V  
1200000  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.56 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX004193.D

Acq: 22 Aug 2018 11:41

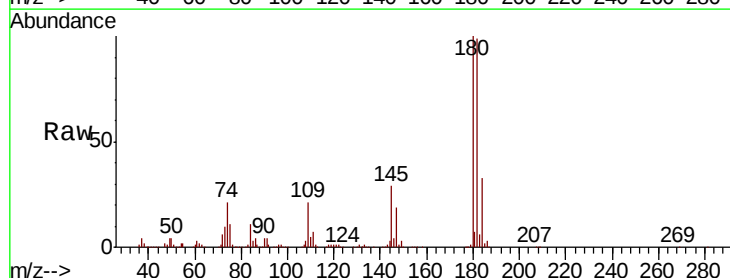
Tgt Ion:180 Resp: 342195

Ion Ratio Lower Upper

180 100

182 97.1 48.5 145.6

145 29.9 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V  
300000  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

