

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\  
 Data File : VX004332.D  
 Acq On : 31 Aug 2018 17:53  
 Operator : JC/MD  
 Sample : VX0831WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2018 12:10:47 PM

Quant Time: Sep 01 05:14:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 207607   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 320140   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 300840   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 190384   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 155019   | 57.29 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 114.58% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 130642   | 54.85 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.70% |      |
| 50) Toluene-d8            | 8.71   | 98  | 471047   | 52.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.80% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 177990   | 53.06 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.12% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 37991  | 15.80  | ug/l | 97     |
| 3) Chloromethane              | 1.32 | 50  | 54908  | 20.83  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 52559  | 19.32  | ug/l | 99     |
| 5) Bromomethane               | 1.64 | 94  | 28916  | 20.36  | ug/l | 97     |
| 6) Chloroethane               | 1.72 | 64  | 37202  | 18.53  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 65167  | 17.48  | ug/l | 96     |
| 8) Diethyl Ether              | 2.18 | 74  | 37995  | 23.80  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 38249  | 16.38  | ug/l | 100    |
| 10) Methyl Iodide             | 2.51 | 142 | 48646  | 21.15  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 77458  | 134.29 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 41380  | 18.81  | ug/l | 96     |
| 13) Acrolein                  | 2.29 | 56  | 40408  | 290.58 | ug/l | 97     |
| 14) Allyl chloride            | 2.72 | 41  | 90910  | 22.50  | ug/l | 97     |
| 15) Acrylonitrile             | 3.15 | 53  | 184172 | 128.93 | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 155597 | 137.22 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.56 | 76  | 102439 | 17.30  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 128625 | 32.03  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 174057 | 24.01  | ug/l | 98     |
| 20) Methylene Chloride        | 2.86 | 84  | 57846  | 22.21  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 48660  | 19.99  | ug/l | 94     |
| 22) Diisopropyl ether         | 3.87 | 45  | 177566 | 23.54  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.82 | 43  | 690931 | 112.99 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 98570  | 22.42  | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 236054 | 128.81 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 69122  | 20.04  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 60290  | 21.84  | ug/l | 98     |
| 28) Bromochloromethane        | 5.01 | 49  | 45432  | 23.34  | ug/l | 98     |
| 29) Tetrahydrofuran           | 5.16 | 42  | 148916 | 128.09 | ug/l | 99     |
| 30) Chloroform                | 5.21 | 83  | 101439 | 23.01  | ug/l | 94     |
| 31) Cyclohexane               | 5.57 | 56  | 59698  | 15.74  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 73496  | 19.99  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 63706  | 17.70  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.86 | 43  | 81578  | 23.05  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 60941  | 18.00  | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\  
 Data File : VX004332.D  
 Acq On : 31 Aug 2018 17:53  
 Operator : JC/MD  
 Sample : VX0831WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/4/2018 12:10:47 PM

Quant Time: Sep 01 05:14:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 57267    | 13.94  | ug/l   | 95       |
| 40) Benzene                    | 6.14  | 78   | 223994   | 20.83  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.06  | 41   | 47975    | 23.38  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 80829    | 22.03  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 6.46  | 43   | 120695   | 22.19  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 56399    | 18.95  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 57816    | 21.48  | ug/l   | 97       |
| 46) Dibromomethane             | 7.67  | 93   | 38533    | 21.50  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 71964    | 21.58  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.77  | 41   | 64397    | 22.13  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 33212    | 502.62 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 448911   | 113.59 | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 138387   | 20.56  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 75802    | 20.58  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 85751    | 21.37  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 61928    | 22.79  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 80155    | 21.67  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 103475   | 22.59  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 227078   | 119.80 | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 343137   | 113.81 | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.59  | 129  | 57407    | 21.68  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 62726    | 22.30  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 58792    | 19.78  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.14 | 112  | 152749   | 20.23  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 55830    | 21.44  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 241908   | 19.73  | ug/l   | 92       |
| 68) m/p-Xylenes                | 10.36 | 106  | 183922   | 38.36  | ug/l   | 94       |
| 69) o-Xylene                   | 10.70 | 106  | 96636    | 21.31  | ug/l   | 97       |
| 70) Styrene                    | 10.71 | 104  | 154088   | 20.98  | ug/l   | 97       |
| 71) Bromoform                  | 10.86 | 173  | 43835    | 20.88  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 247867   | 19.82  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 98172    | 20.39  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 94901    | 21.69  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 87171m   | 22.51  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 72210    | 20.59  | ug/l   | 98       |
| 78) n-propylbenzene            | 11.36 | 91   | 277479   | 19.29  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 178852   | 20.20  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 208567   | 20.14  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 23284    | 19.51  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 208972   | 20.06  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 198809   | 19.08  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 220537   | 20.75  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 235720   | 19.06  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 213725   | 19.28  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 131537   | 19.92  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 134138   | 19.26  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 162232   | 18.00  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.60 | 117  | 28861    | 18.63  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 127139   | 21.06  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 16339    | 21.20  | ug/l   | 98       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\  
Data File : VX004332.D  
Acq On : 31 Aug 2018 17:53  
Operator : JC/MD  
Sample : VX0831WBS01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBS01

Manual Integrations  
APPROVED

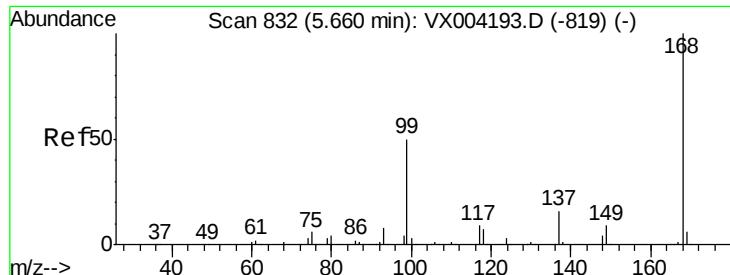
MMDadoda  
9/4/2018 12:10:47 PM

Quant Time: Sep 01 05:14:55 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 84999    | 19.35 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 37346    | 18.19 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 266100   | 21.42 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 94181    | 20.26 | ug/l  | 99       |

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





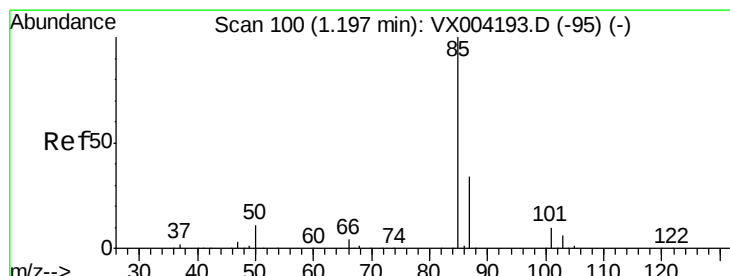
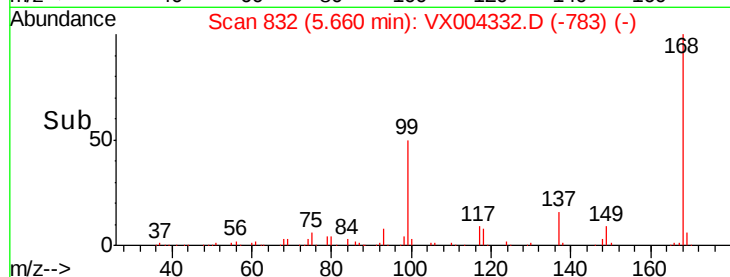
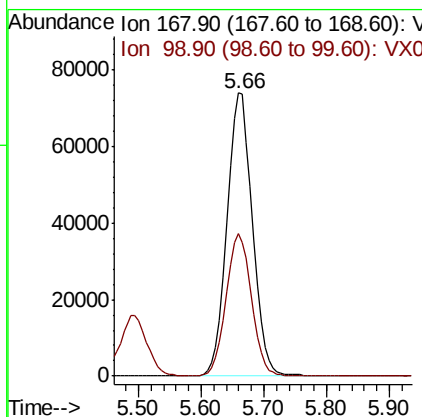
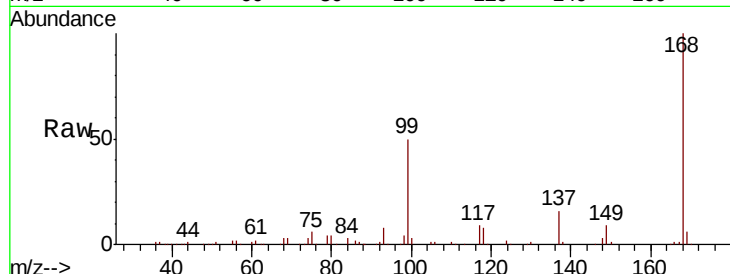
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.66 min Scan# 832  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 50.3  | 39.9  | 59.9  |

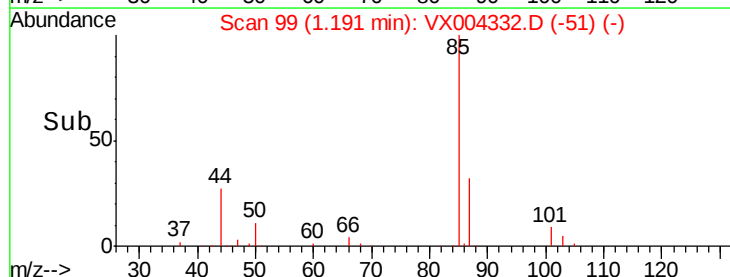
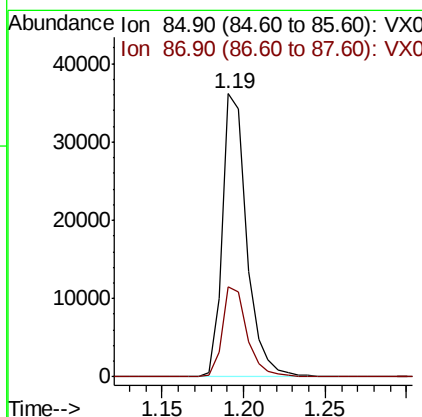
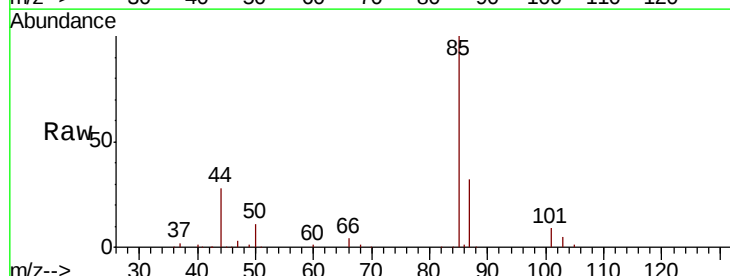
Manual Integrations  
APPROVED

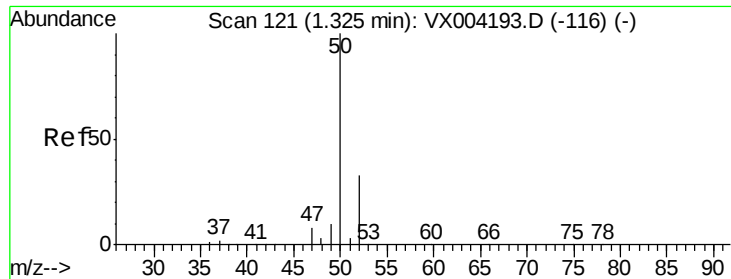
MMDadoda  
9/4/2018 12:10:47 PM



#2  
Dichlorodifluoromethane  
Concen: 15.80 ug/l  
RT: 1.19 min Scan# 99  
Delta R.T. -0.01 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 85      | 100   |       |       |
| 87      | 31.9  | 17.0  | 50.9  |





#3

Chloromethane

Concen: 20.83 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampled :

VX0831WBS01

Tot Ion: 50 Resp: 54908

Ion Ratio Lower Upper

50 100

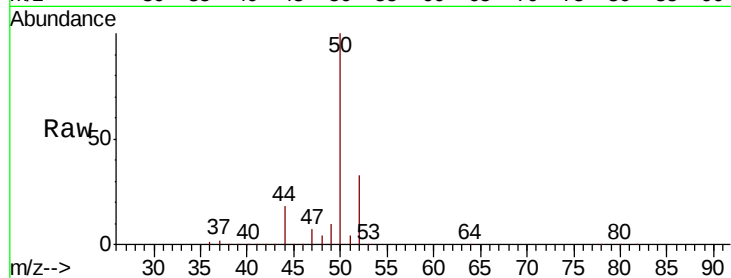
52 32.7 26.2 39.2

Manual Integrations

APPROVED

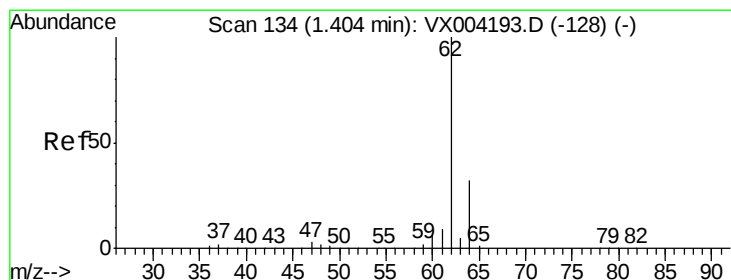
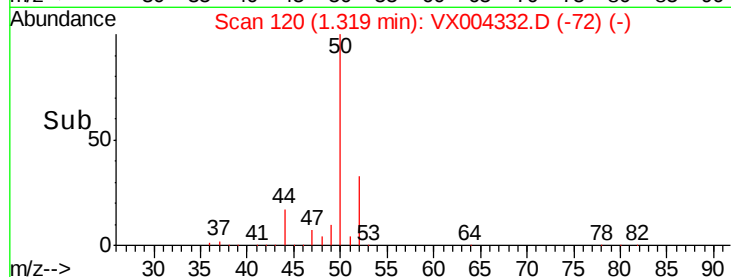
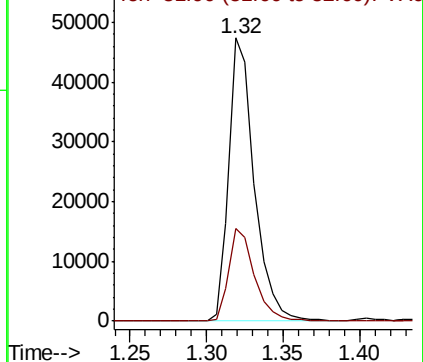
MMDadoda

9/4/2018 12:10:47 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.32 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX004332.D

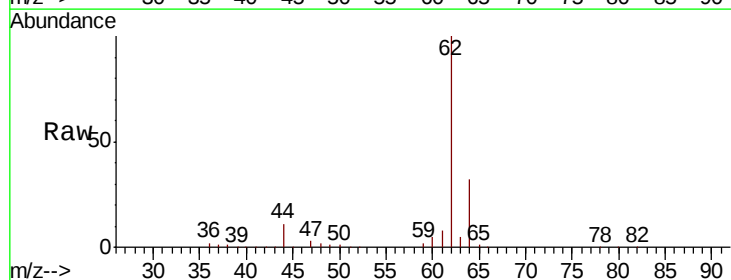
Acq: 31 Aug 2018 17:53

Tgt Ion: 62 Resp: 52559

Ion Ratio Lower Upper

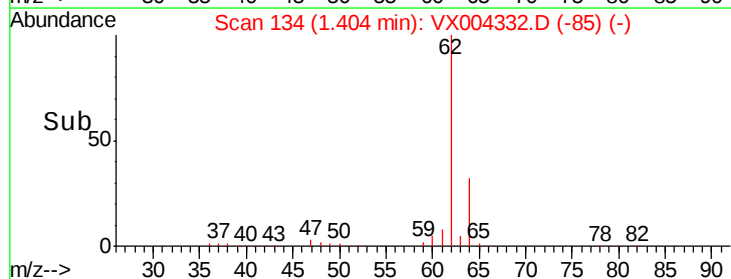
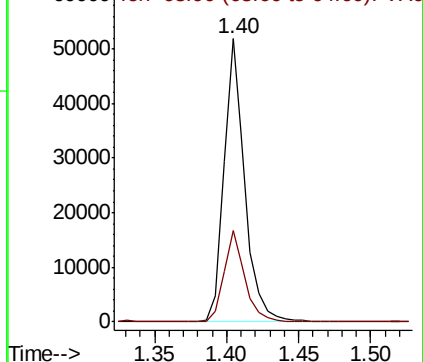
62 100

64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.36 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampleId :

VX0831WBS01

Tot Ion: 94 Resp: 28916

Ion Ratio Lower Upper

94 100

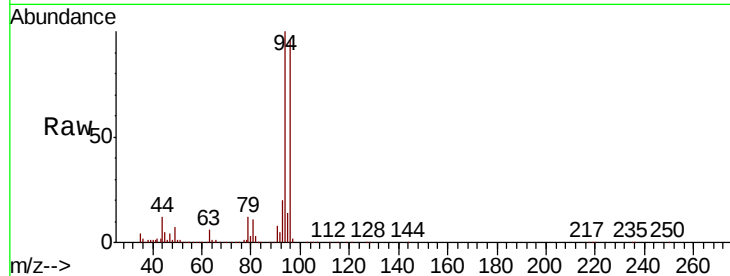
96 96.0 74.5 111.7

Manual Integrations

APPROVED

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9/4/2018 12:10:47 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

30000

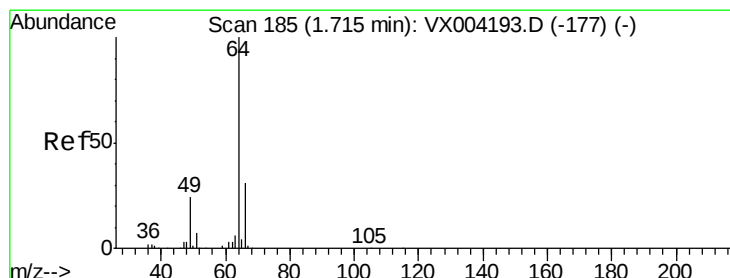
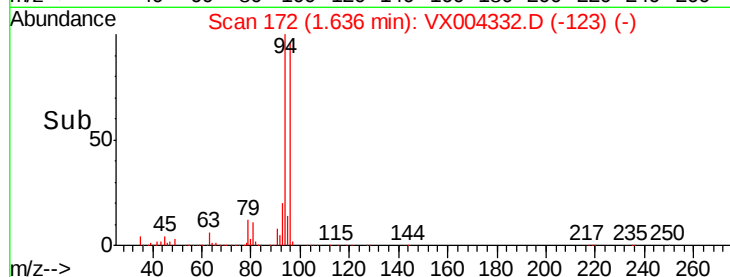
20000

10000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 18.53 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004332.D

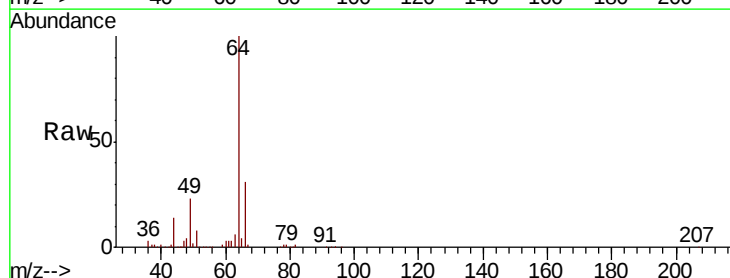
Acq: 31 Aug 2018 17:53

Tgt Ion: 64 Resp: 37202

Ion Ratio Lower Upper

64 100

66 31.2 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

30000

25000

20000

15000

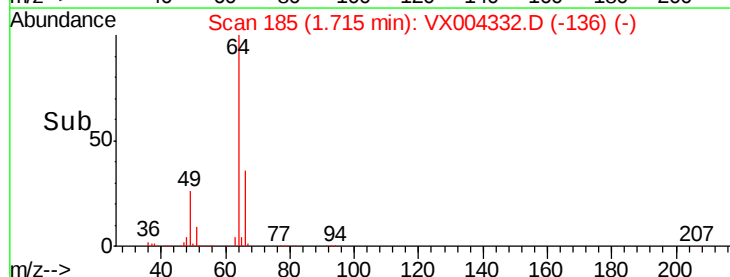
10000

5000

0

1.65 1.70 1.75 1.80

Time-->





#7

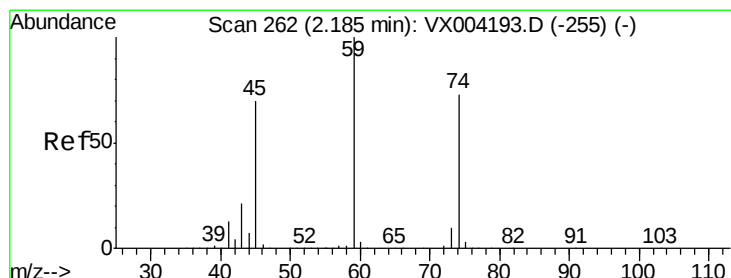
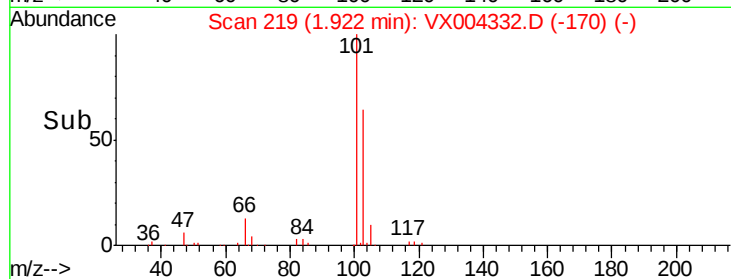
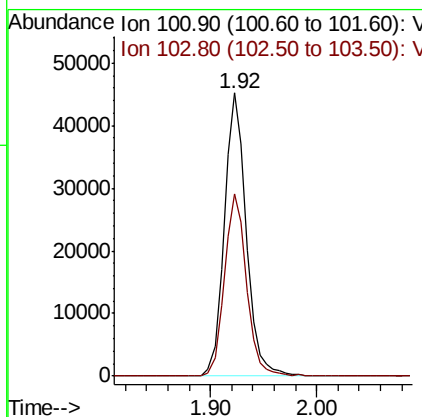
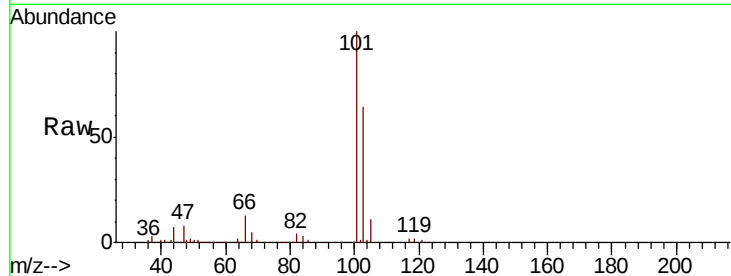
Trichlorofluoromethane  
 Concen: 17.48 ug/l  
 RT: 1.92 min Scan# 219  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.5  | 48.9  | 73.3  |

Manual Integrations  
 APPROVED

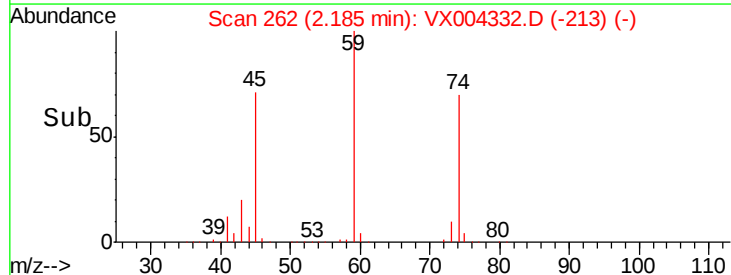
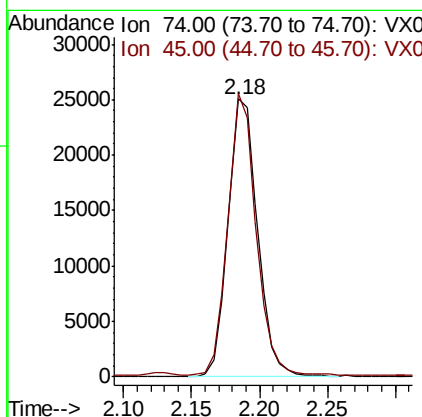
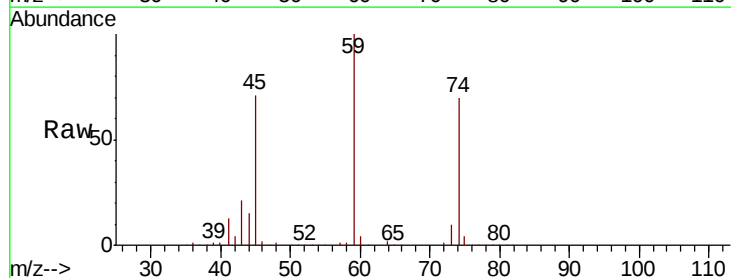
MMDadoda  
 9/4/2018 12:10:47 PM

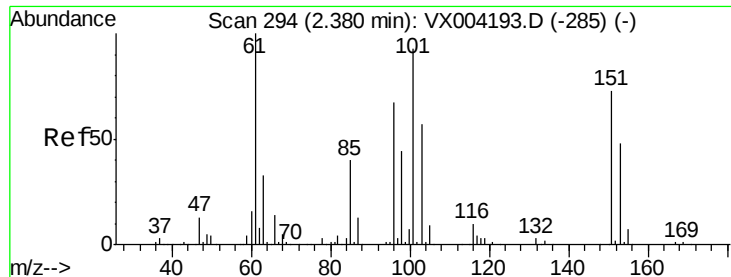


#8

Diethyl Ether  
 Concen: 23.80 ug/l  
 RT: 2.18 min Scan# 262  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 96.9  | 48.3  | 144.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.38 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

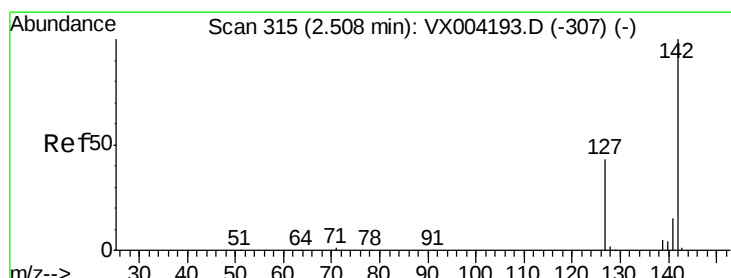
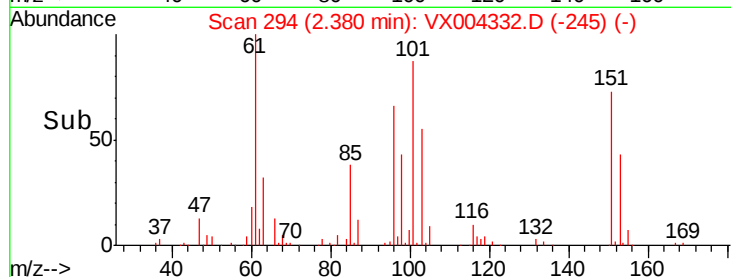
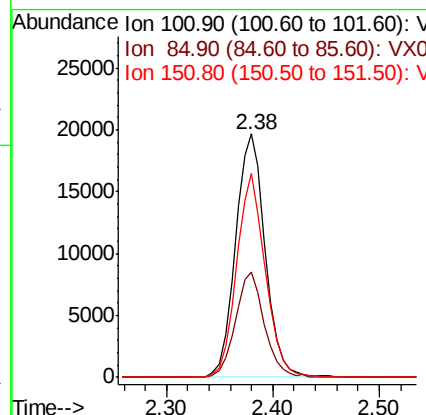
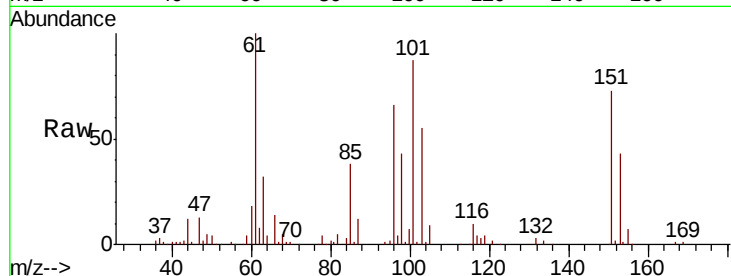
ClientSampled :

VX0831WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 38249 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.3  | 34.2  | 51.4  |
| 151       | 81.4  | 65.0  | 97.6  |

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#10

Methyl Iodide

Concen: 21.15 ug/l

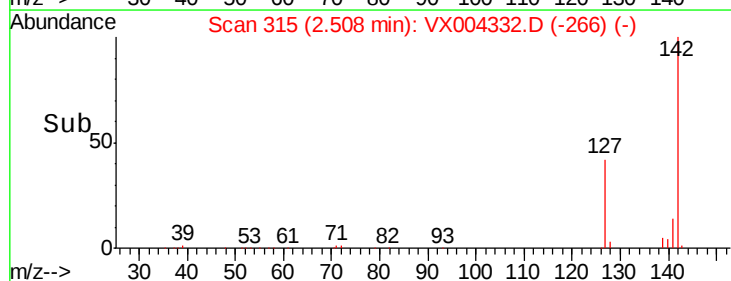
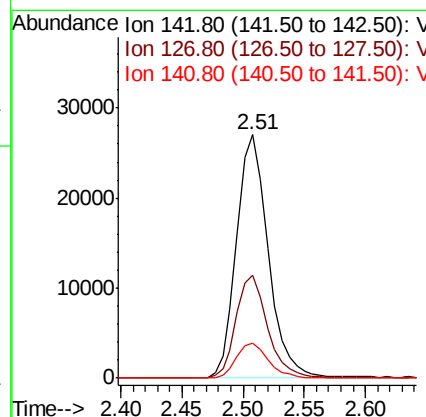
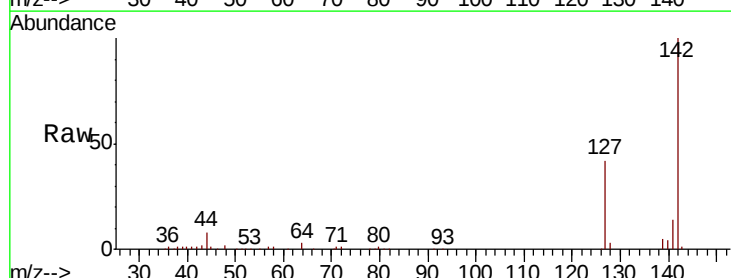
RT: 2.51 min Scan# 315

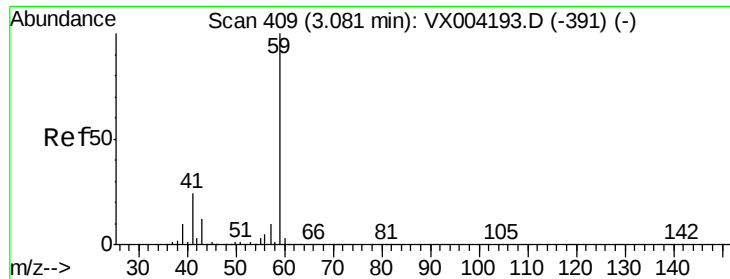
Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 48646 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 41.8  | 33.8  | 50.6  |
| 141       | 14.6  | 11.4  | 17.0  |





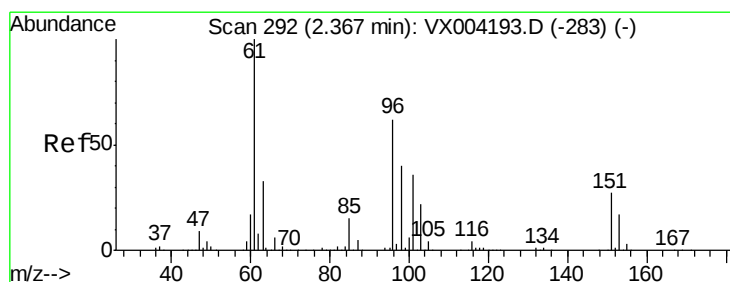
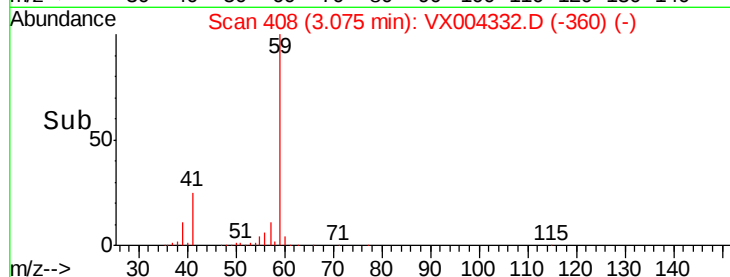
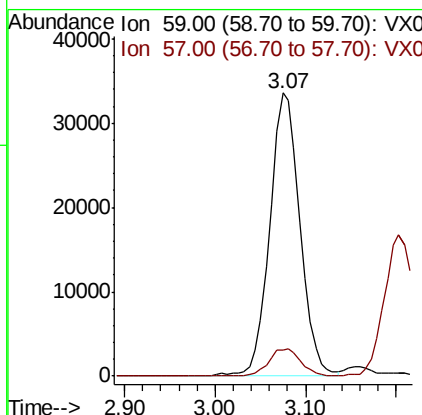
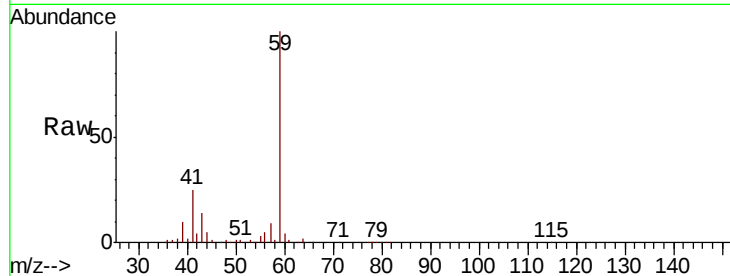
#11  
Tert butyl alcohol  
Concen: 134.29 ug/l  
RT: 3.07 min Scan# 408  
Delta R.T. -0.01 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 8.2   | 12.4  |

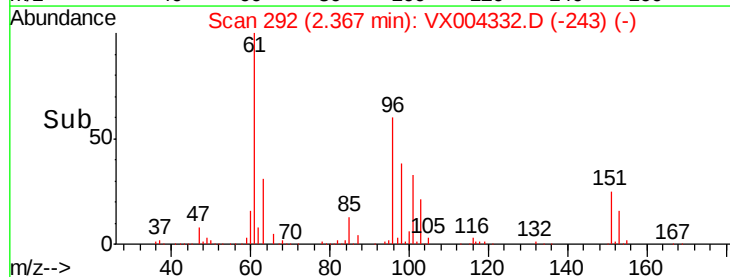
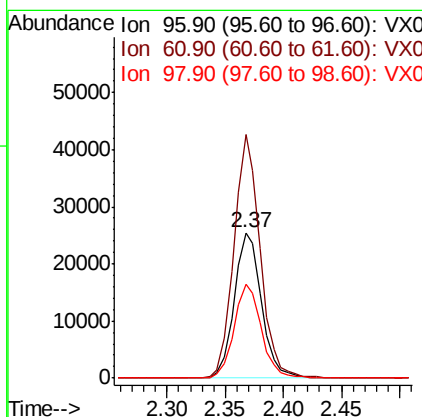
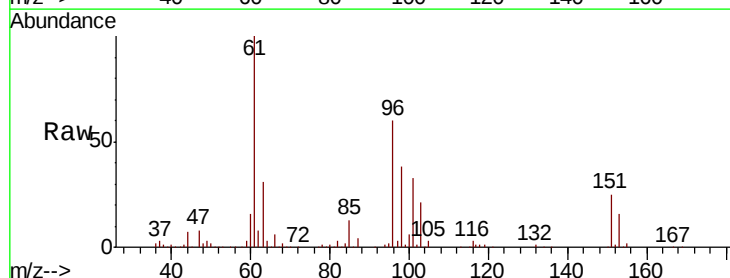
Manual Integrations  
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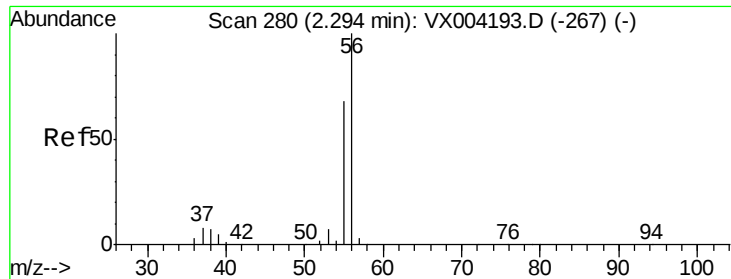
MMDadoda  
9/4/2018 12:10:47 PM



#12  
1,1-Dichloroethene  
Concen: 18.81 ug/l  
RT: 2.37 min Scan# 292  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 167.6 | 128.8 | 193.2 |
| 98      | 64.5  | 52.2  | 78.2  |





#13

Acrolein

Concen: 290.58 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampleId :

VX0831WBS01

Tot Ion: 56 Resp: 40408

Ion Ratio Lower Upper

56 100

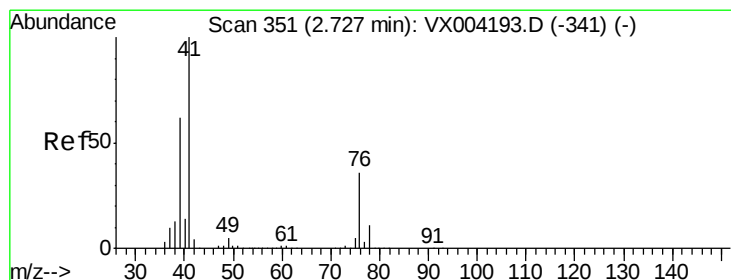
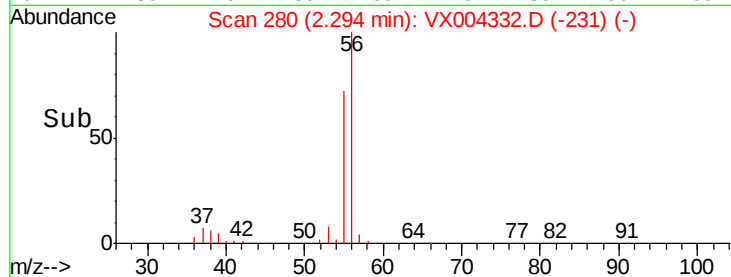
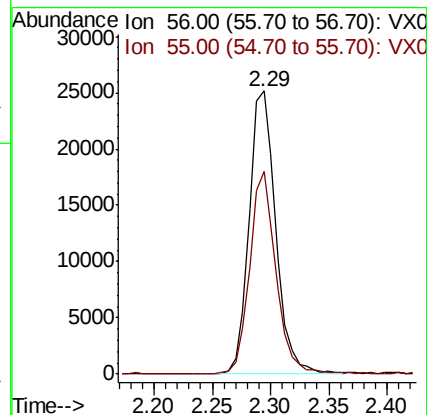
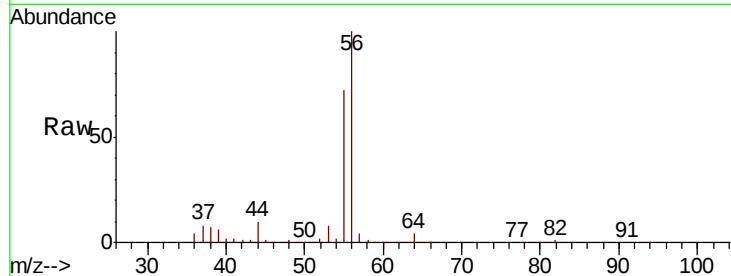
55 70.9 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 22.50 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

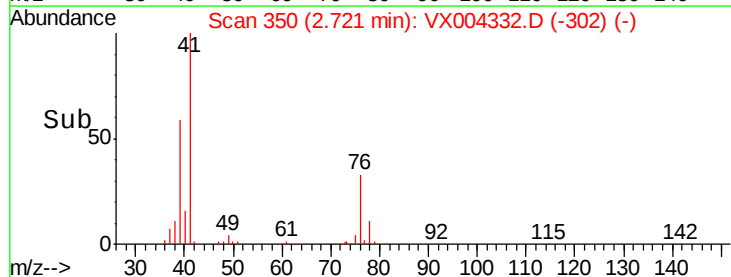
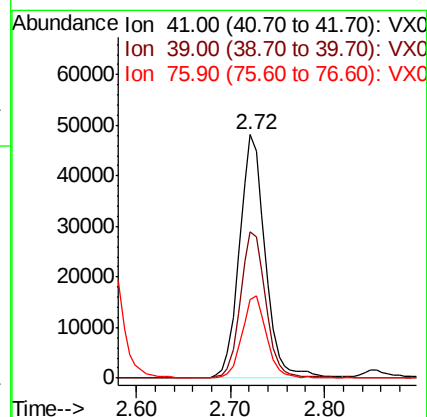
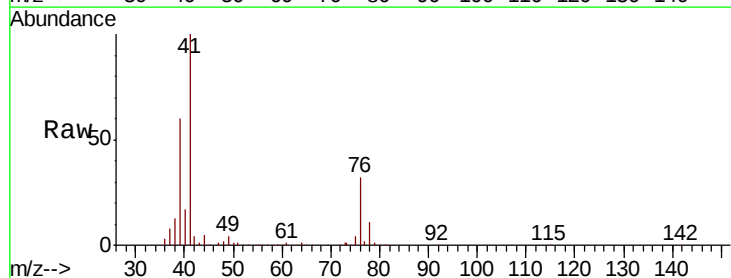
Tgt Ion: 41 Resp: 90910

Ion Ratio Lower Upper

41 100

39 58.5 48.9 73.3

76 31.7 26.7 40.1





#15

Acrylonitrile

Concen: 128.93 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

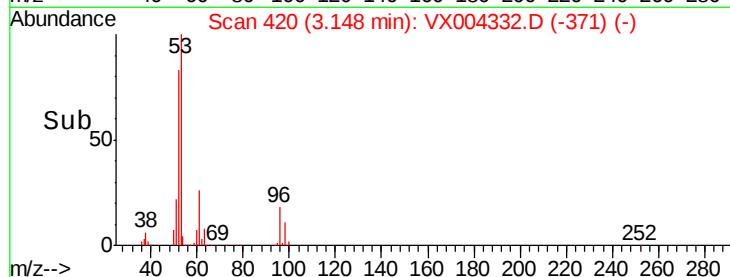
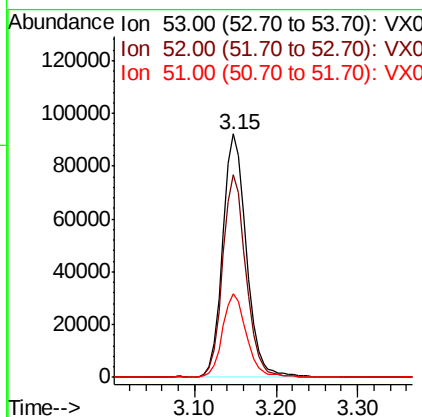
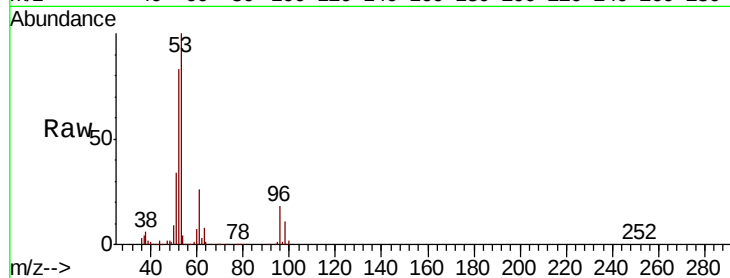
ClientSampled :

VX0831WBS01

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 53   | Resp: | 184172 |
| Ion Ratio |      | Lower | Upper  |
| 53        | 100  |       |        |
| 52        | 82.1 | 65.2  | 97.8   |
| 51        | 34.6 | 28.2  | 42.2   |

Manual Integrations  
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MMDadoda  
9/4/2018 12:10:47 PM



#16

Acetone

Concen: 137.22 ug/l

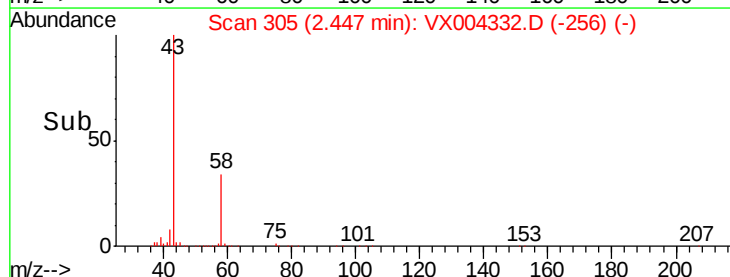
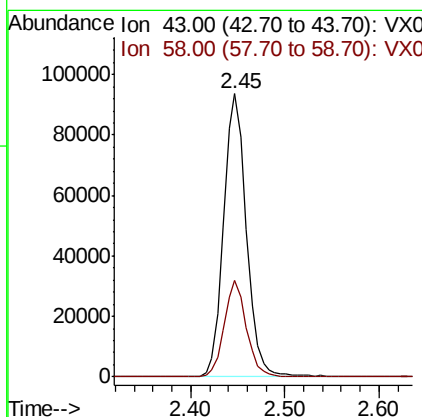
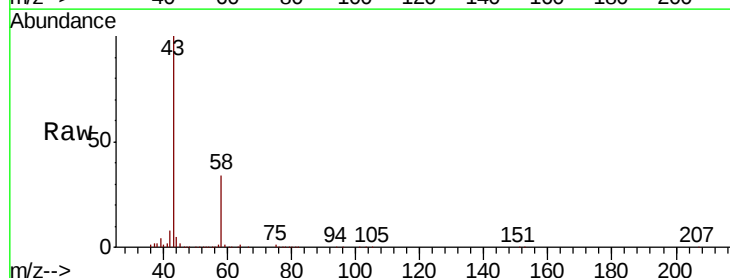
RT: 2.45 min Scan# 305

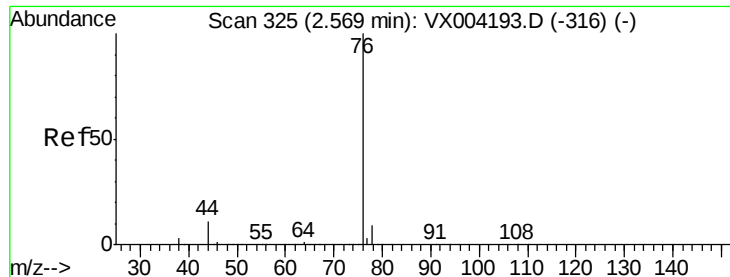
Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 43   | Resp: | 155597 |
| Ion Ratio |      | Lower | Upper  |
| 43        | 100  |       |        |
| 58        | 34.0 | 26.2  | 39.4   |





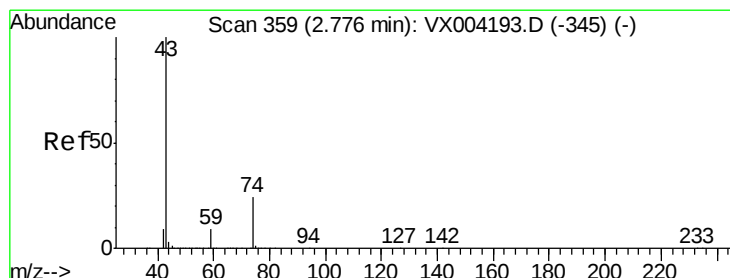
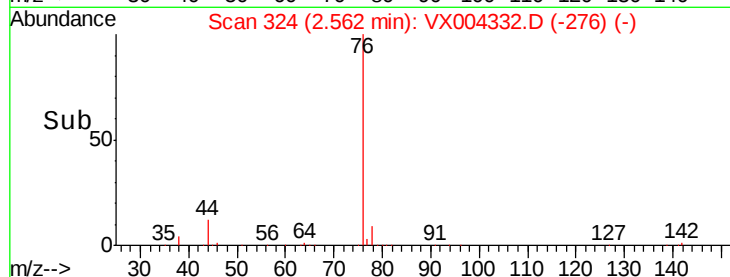
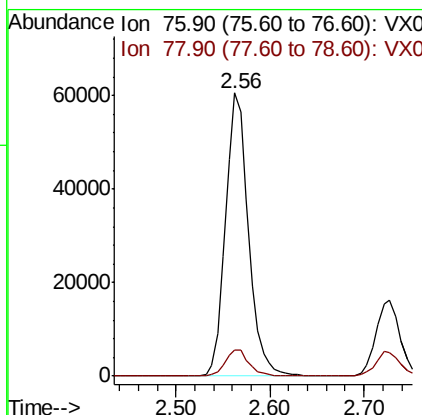
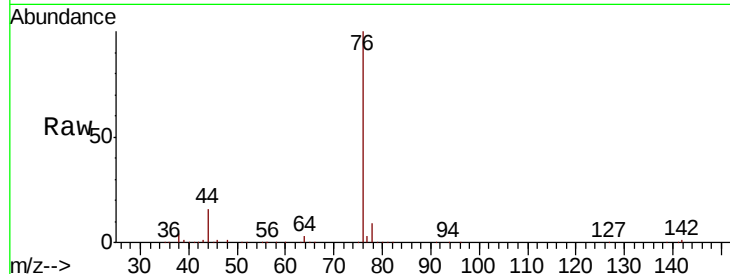
#17  
Carbon Disulfide  
Concen: 17.30 ug/l  
RT: 2.56 min Scan# 324  
Delta R.T. -0.01 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.0   | 10.6  |

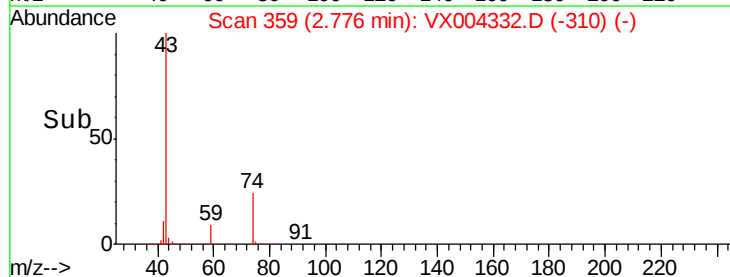
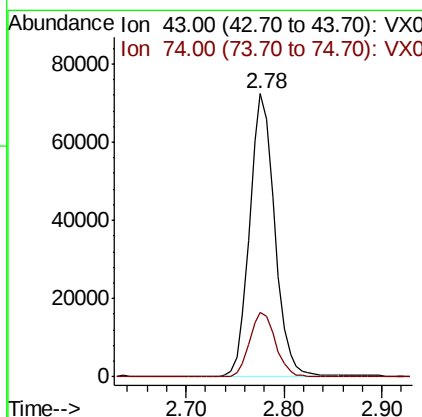
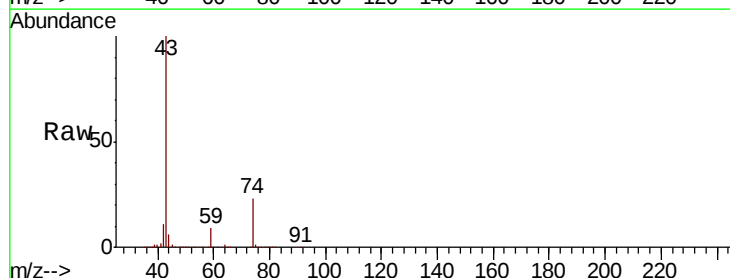
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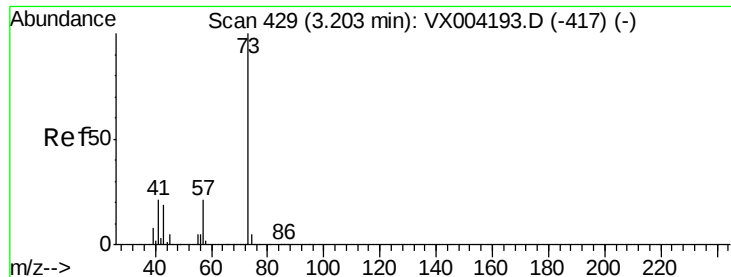
MMDadoda  
9/4/2018 12:10:47 PM



#18  
Methyl Acetate  
Concen: 32.03 ug/l  
RT: 2.78 min Scan# 359  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 23.1  | 19.4  | 29.2  |





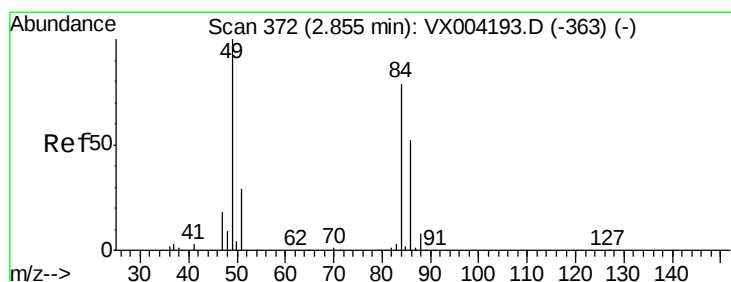
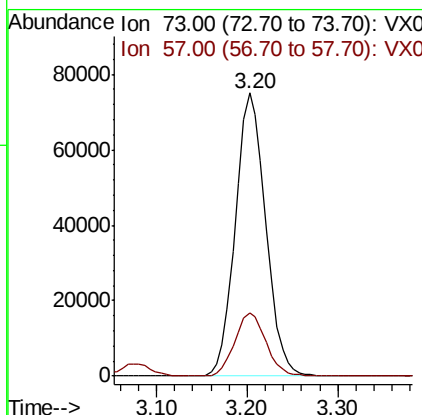
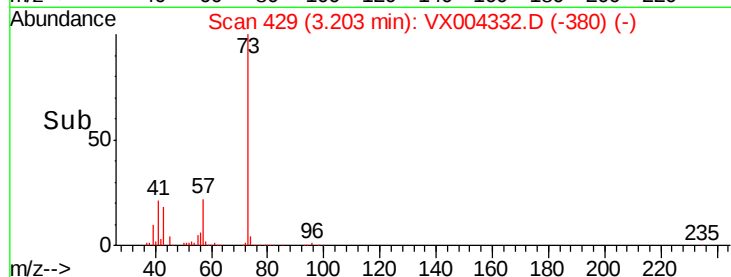
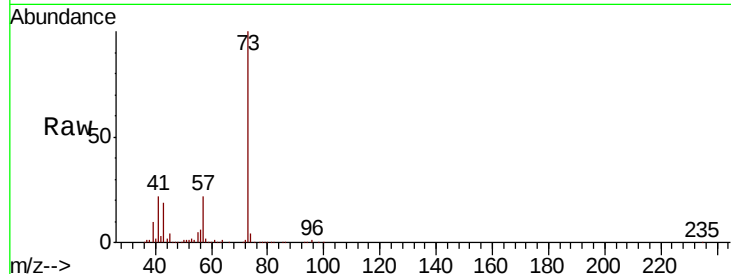
#19  
Methvl tert-butvl Ether  
Concen: 24.01 ug/l  
RT: 3.20 min Scan# 429  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 57      | 22.2  | 17.1  | 25.7  |

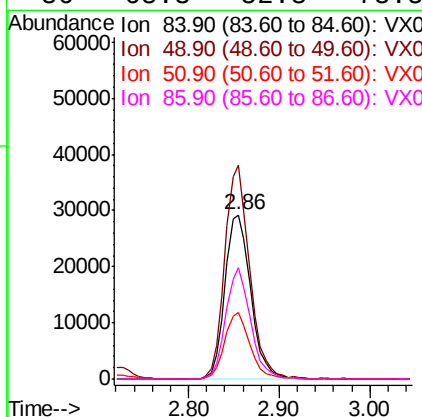
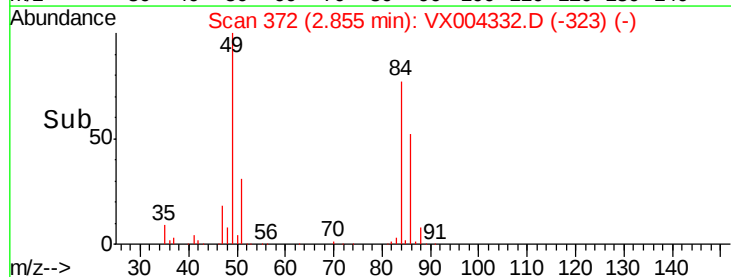
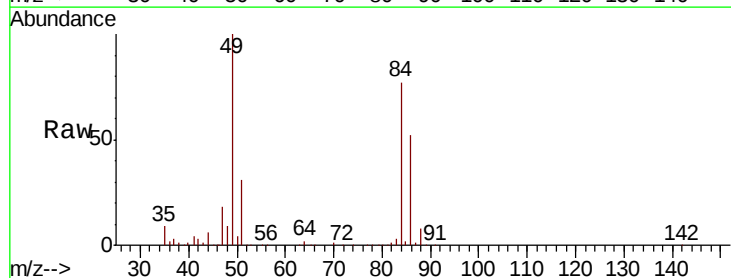
Manual Integrations  
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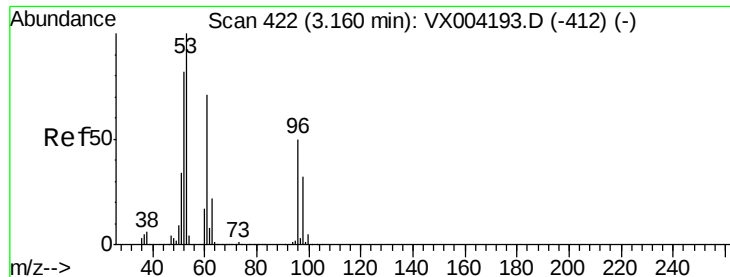
MMDadoda  
9/4/2018 12:10:47 PM



#20  
Methylene Chloride  
Concen: 22.21 ug/l  
RT: 2.86 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 130.4 | 101.2 | 151.8 |
| 51      | 40.9  | 29.5  | 44.3  |
| 86      | 68.3  | 52.3  | 78.5  |





#21

trans-1,2-Dichloroethene

Concen: 19.99 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampled :

VX0831WBS01

Tot Ion: 96 Resp: 48660

Ion Ratio Lower Upper

96 100

61 133.2 113.8 170.6

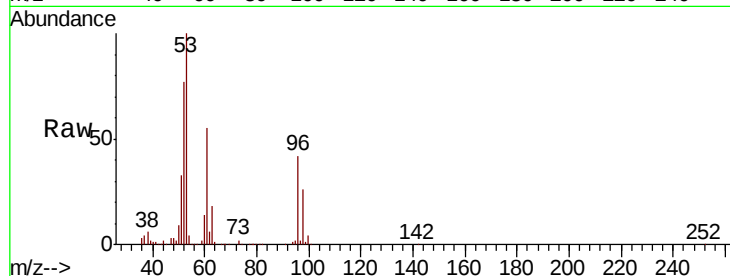
98 62.5 51.8 77.8

Manual Integrations

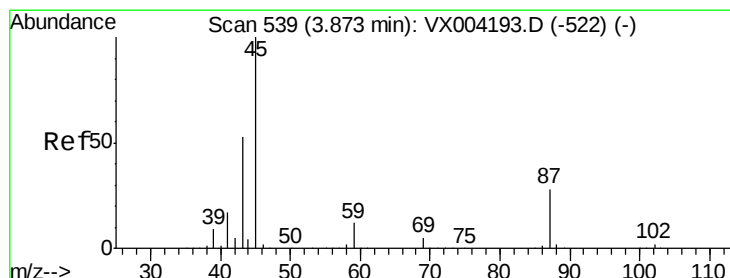
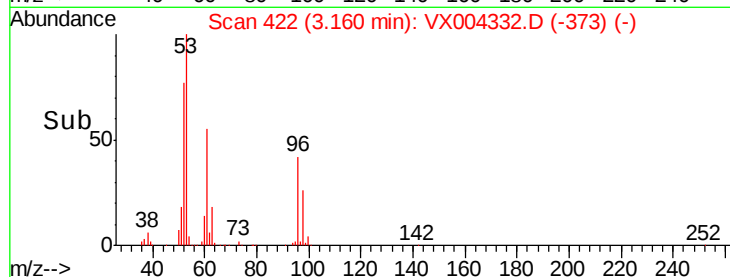
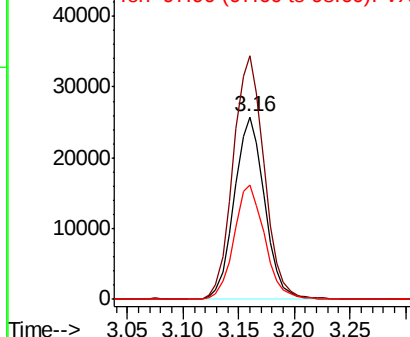
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9/4/2018 12:10:47 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 23.54 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Tgt Ion: 45 Resp: 177566

Ion Ratio Lower Upper

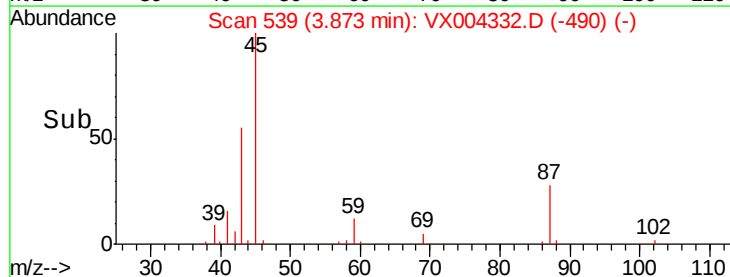
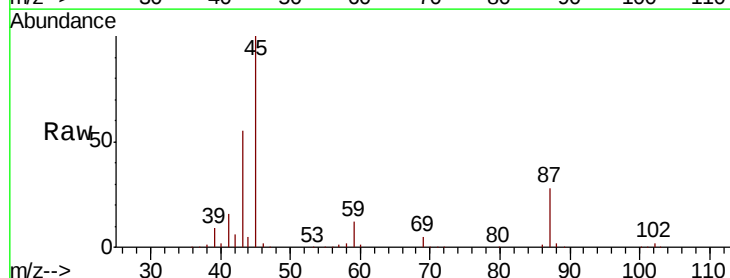
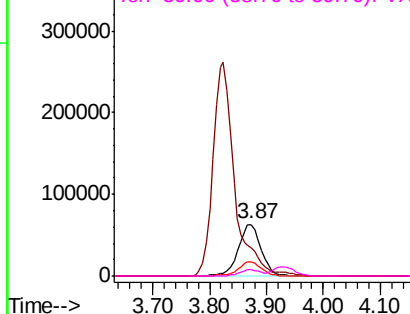
45 100

43 54.9 42.8 64.2

87 28.4 22.6 34.0

59 12.1 9.6 14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0  
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 112.99 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampleId :

VX0831WBS01

Tot Ion: 43 Resp: 690931

Ion Ratio Lower Upper

43 100

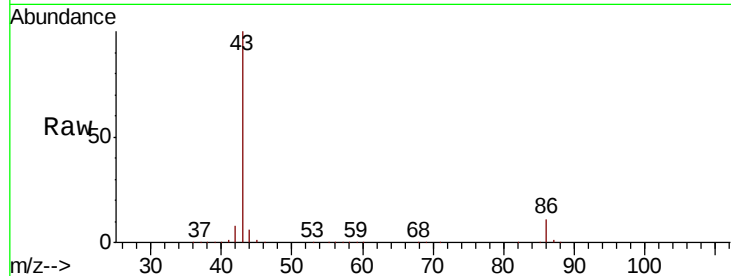
86 11.4 8.9 13.3

Manual Integrations

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9/4/2018 12:10:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

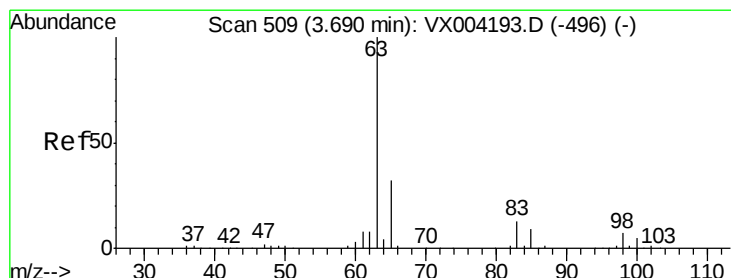
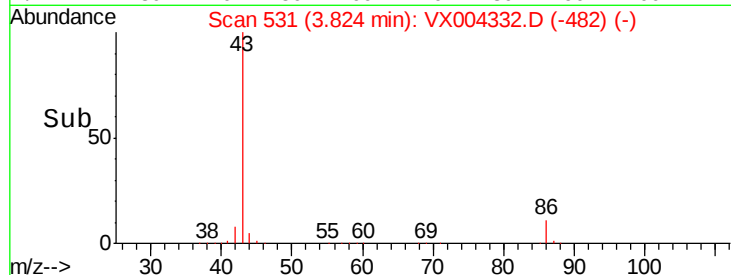
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 22.42 ug/l

RT: 3.69 min Scan# 509

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

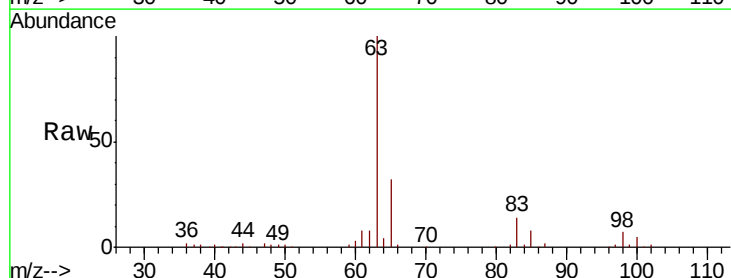
Tgt Ion: 63 Resp: 98570

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

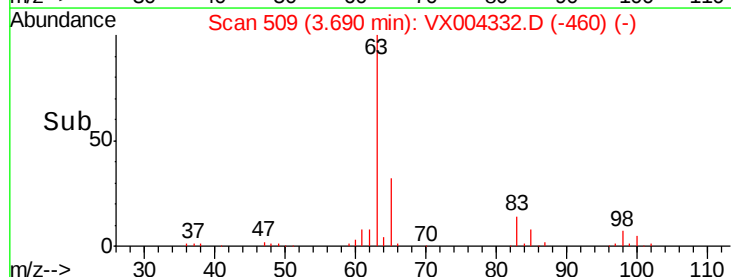
20000

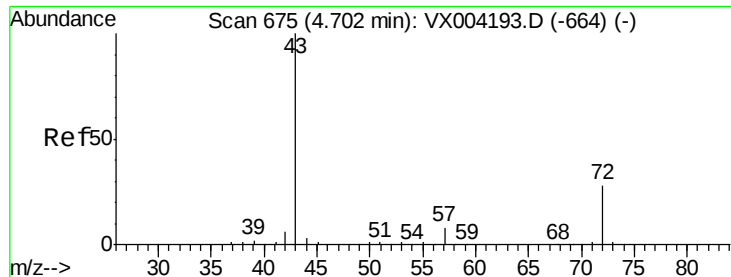
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 128.81 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampleId :

VX0831WBS01

Tot Ion: 43 Resp: 236054

Ion Ratio Lower Upper

43 100

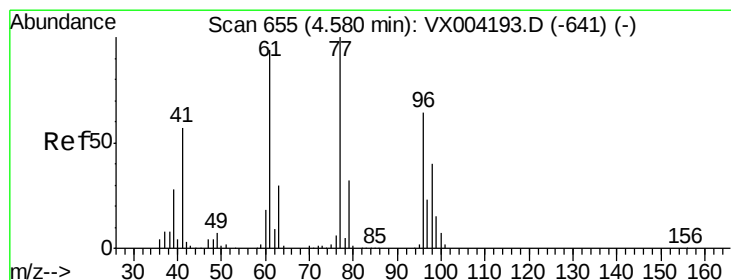
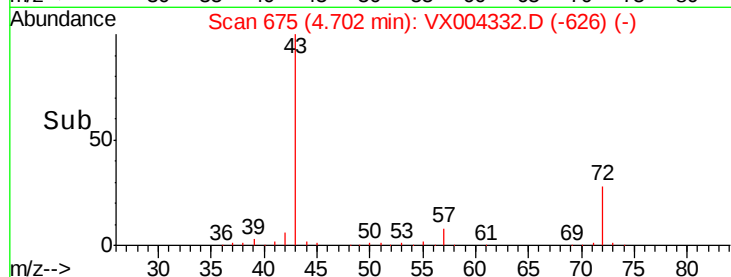
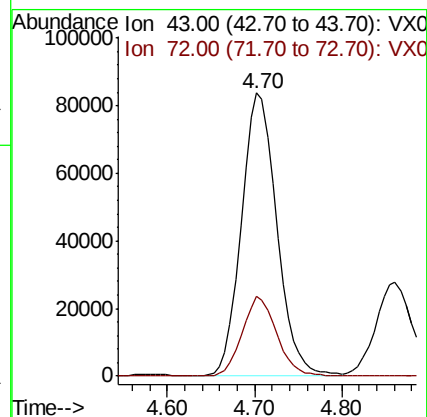
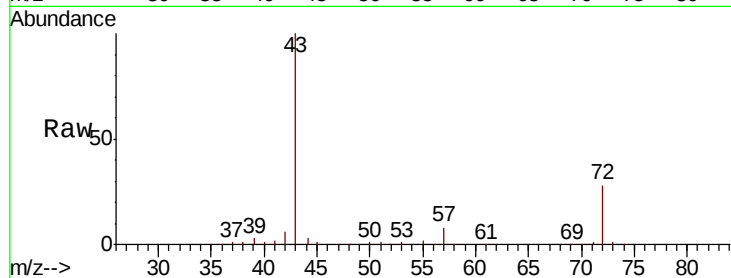
72 28.4 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.04 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004332.D

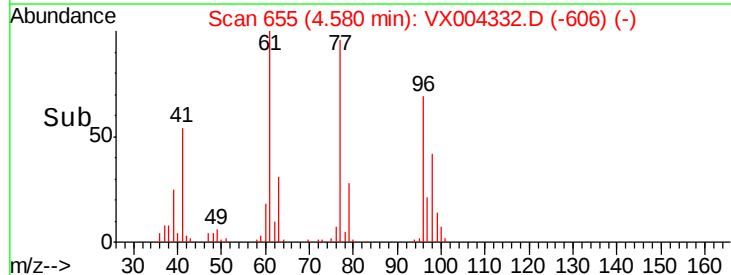
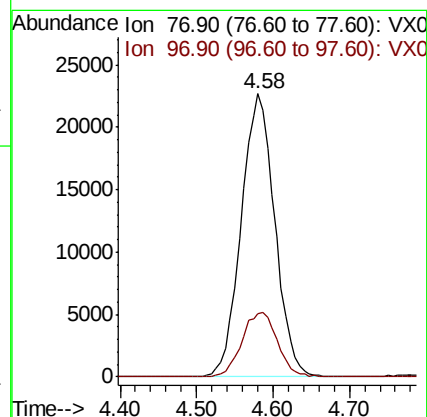
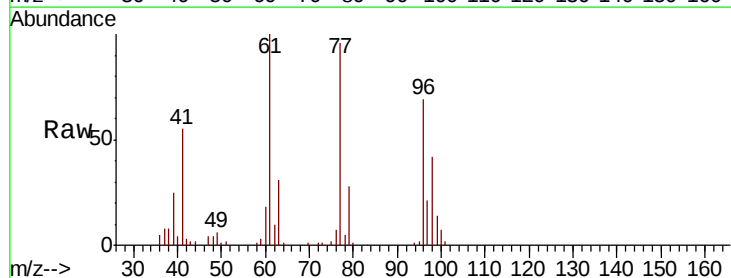
Acq: 31 Aug 2018 17:53

Tgt Ion: 77 Resp: 69122

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.0





#27

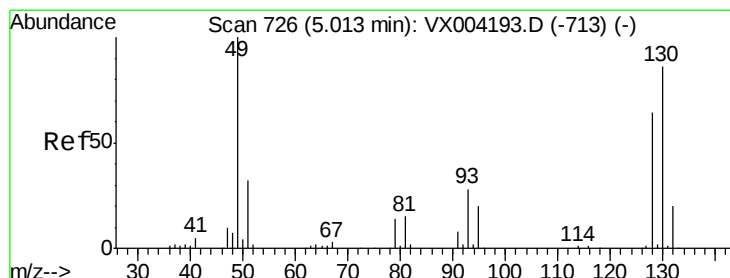
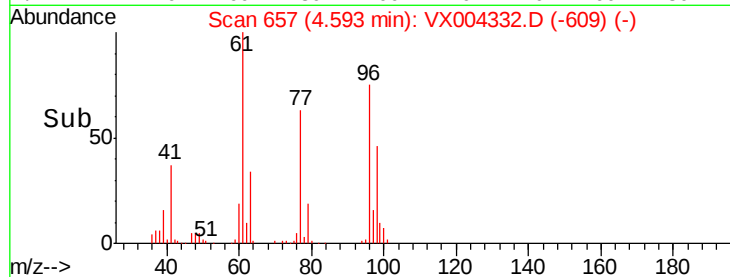
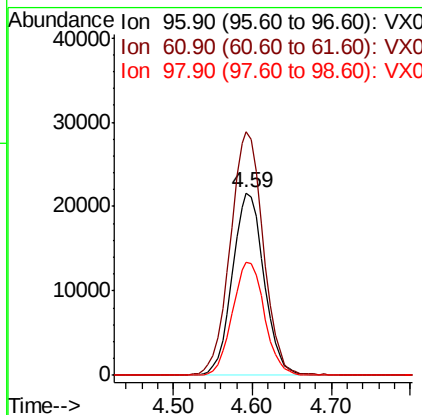
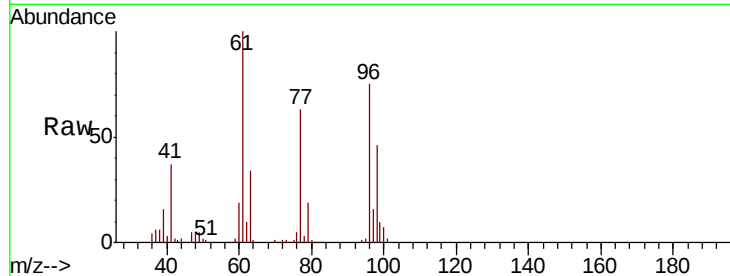
cis-1,2-Dichloroethene  
 Concen: 21.84 ug/l  
 RT: 4.59 min Scan# 657  
 Delta R.T. -0.01 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 139.2 | 0.0  | 282.6 |       |
| 98      | 63.0  | 0.0  | 130.2 |       |

Manual Integrations  
 APPROVED

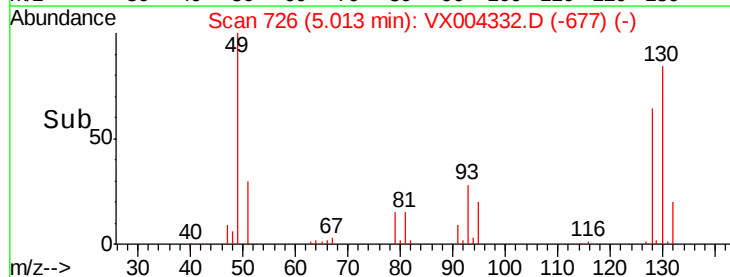
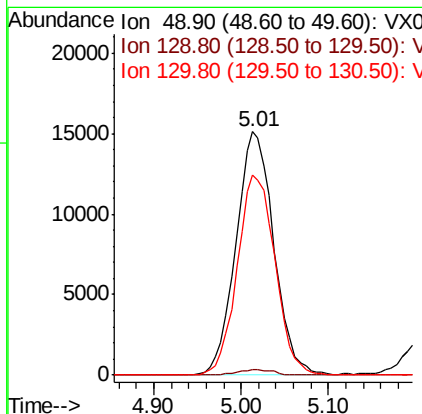
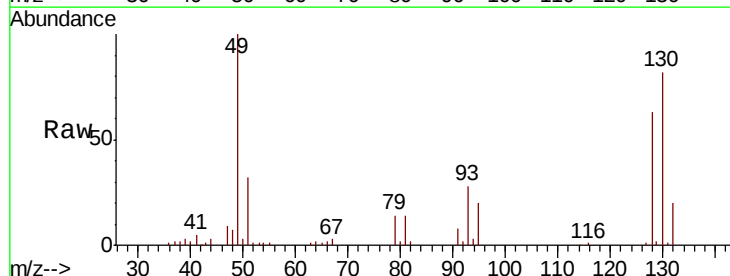
MMDadoda  
 9/4/2018 12:10:47 PM

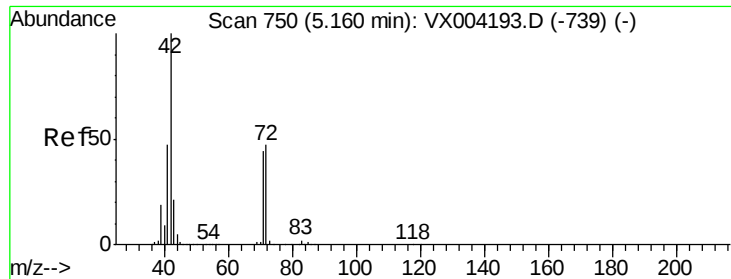


#28

Bromochloromethane  
 Concen: 23.34 ug/l  
 RT: 5.01 min Scan# 726  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 2.0   | 0.0  | 4.2   |       |
| 130     | 82.3  | 67.5 | 101.3 |       |





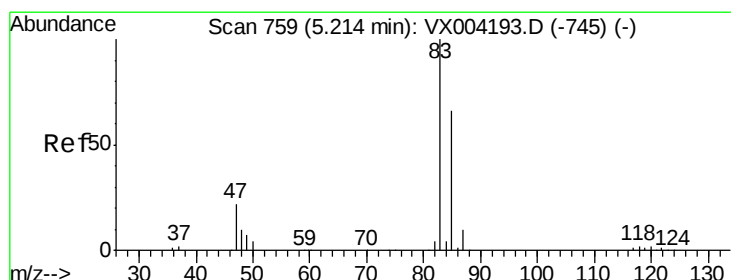
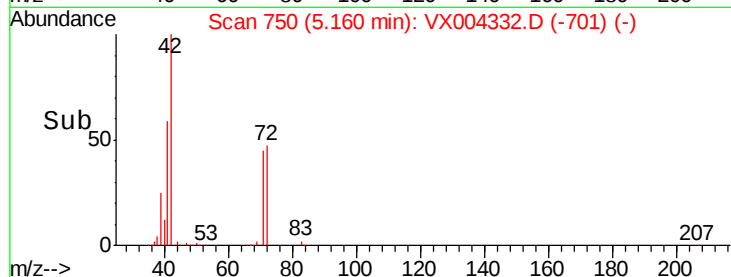
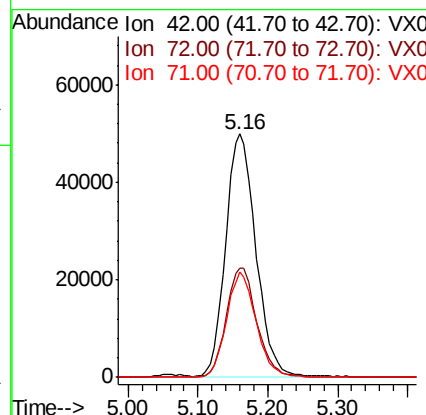
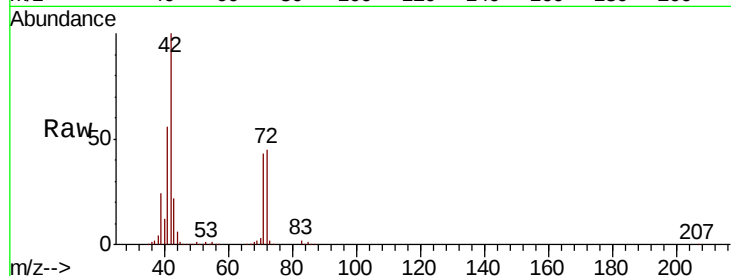
#29  
Tetrahydrofuran  
Concen: 128.09 ug/l  
RT: 5.16 min Scan# 750  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.6  | 37.4  | 56.0  |
| 71      | 42.4  | 34.5  | 51.7  |

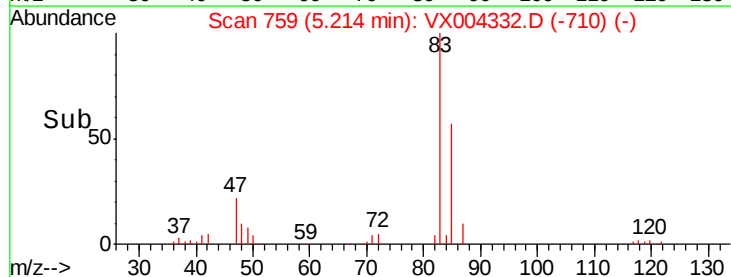
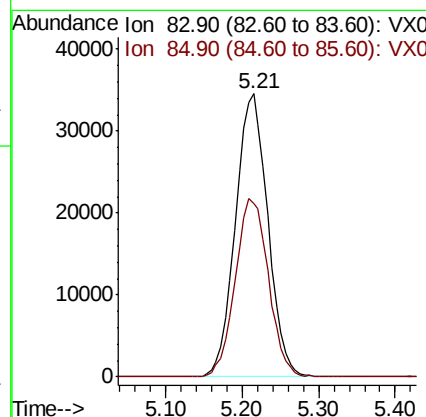
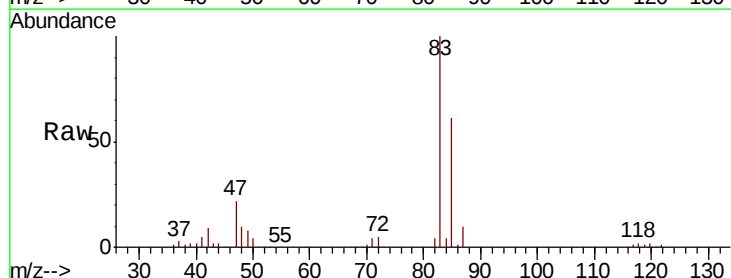
Manual Integrations  
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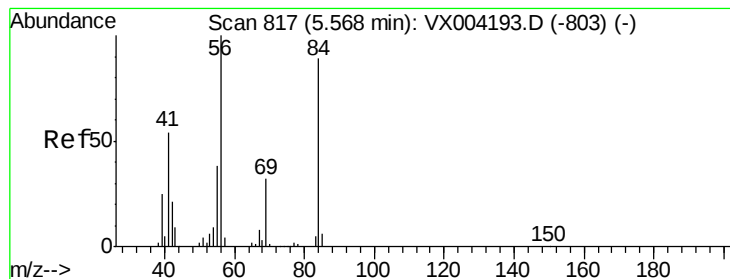
MMDadoda  
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#30  
Chloroform  
Concen: 23.01 ug/l  
RT: 5.21 min Scan# 759  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.1  | 52.6  | 79.0  |





#31

Cyclohexane

Concen: 15.74 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

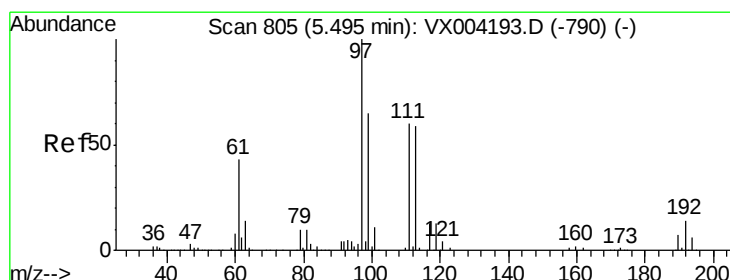
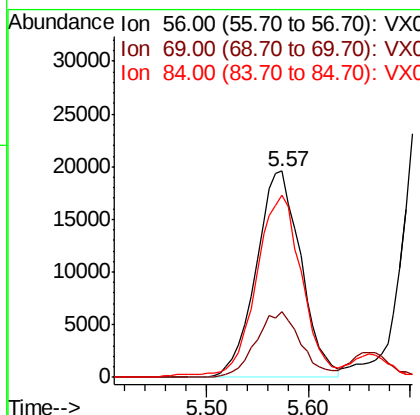
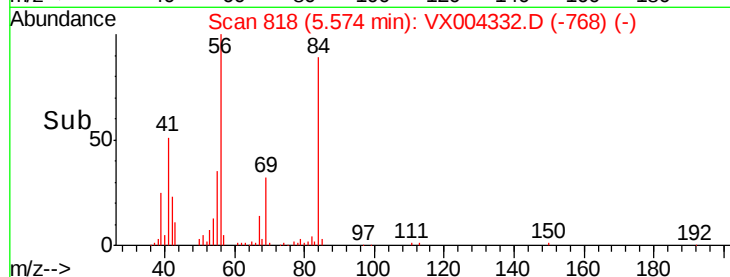
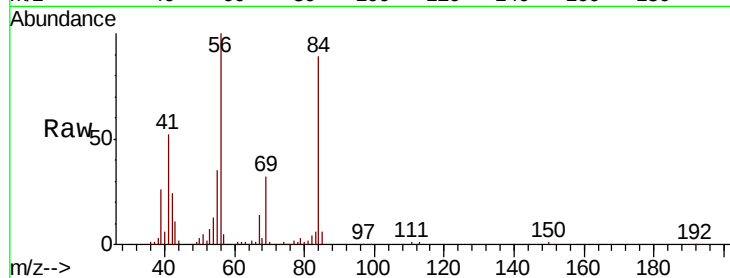
ClientSampleId :

VX0831WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 56    | Resp: | 59698 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 31.9  | 25.4  | 38.2  |
| 84       | 87.0  | 71.4  | 107.2 |

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#32

1,1,1-Trichloroethane

Concen: 19.99 ug/l

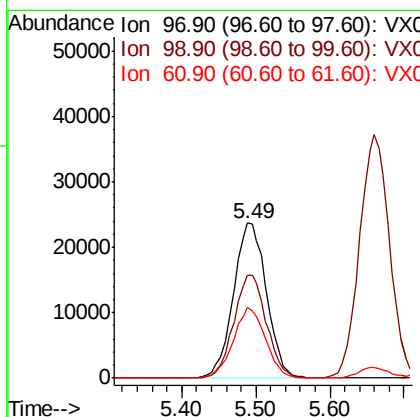
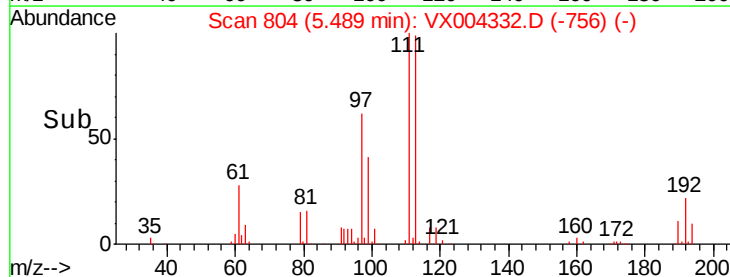
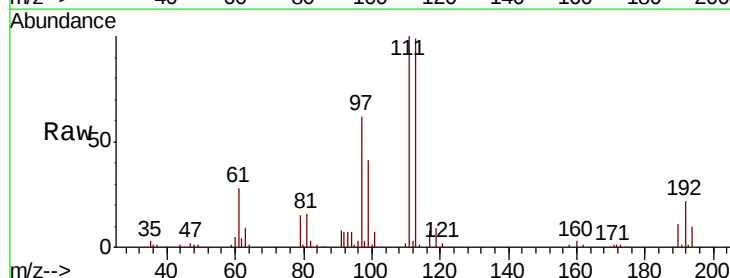
RT: 5.49 min Scan# 804

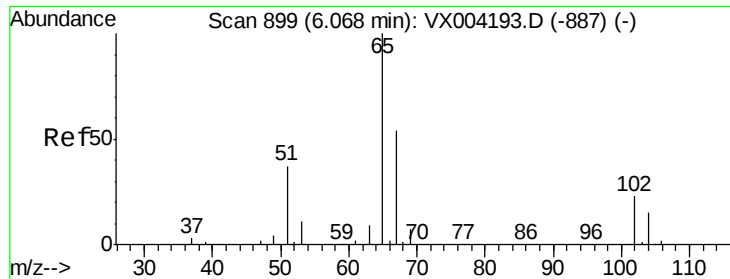
Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 73496 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 65.7  | 52.0  | 78.0  |
| 61       | 44.5  | 34.9  | 52.3  |





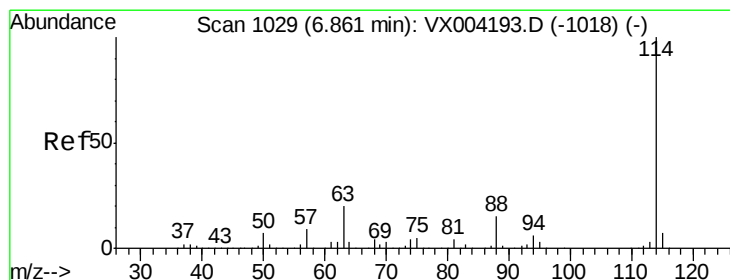
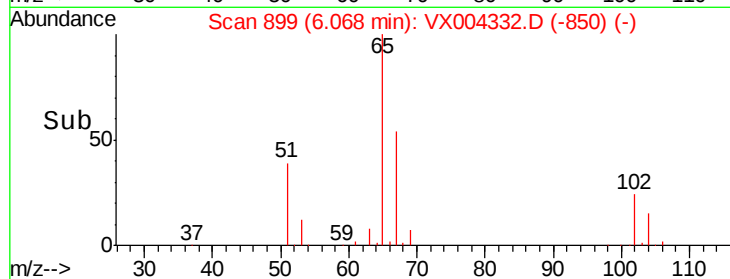
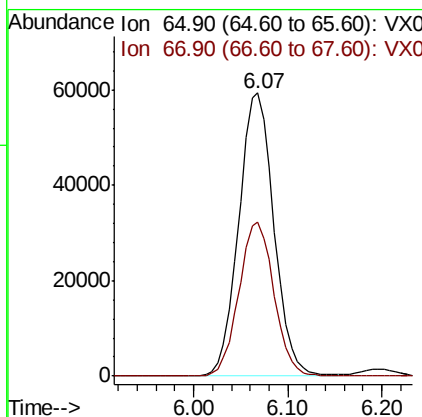
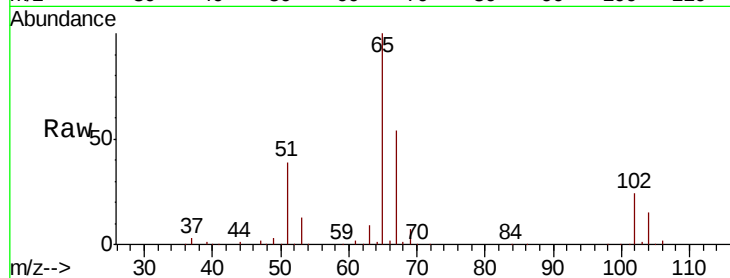
#33  
 1,2-Dichloroethane-d4  
 Concen: 57.29 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 155019 |       |       |
| 67      | 54.3  | 0.0    | 106.8 |       |

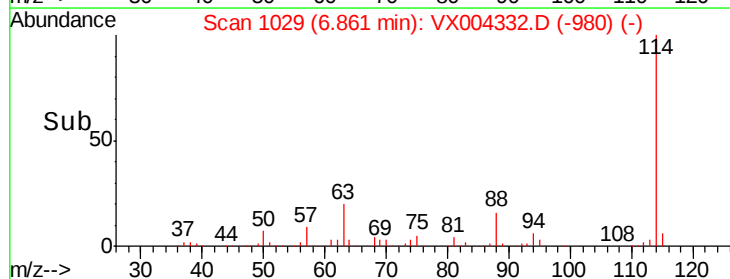
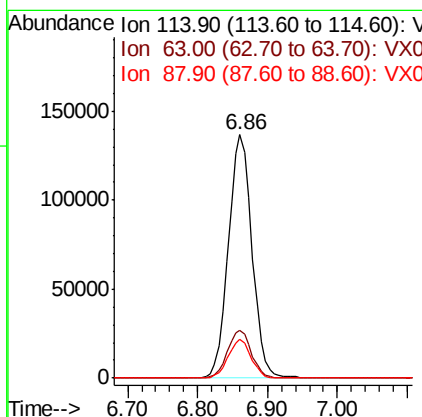
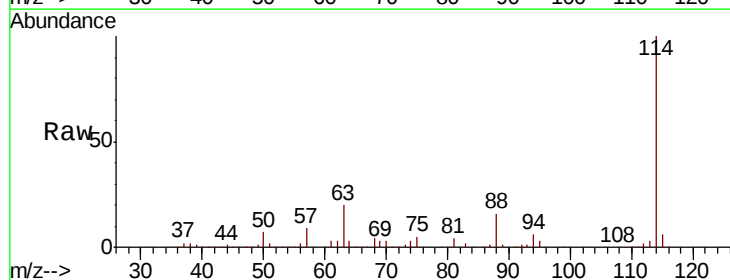
Manual Integrations  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 320140 |       |       |
| 63      | 19.7  | 0.0    | 39.0  |       |
| 88      | 15.8  | 0.0    | 30.4  |       |





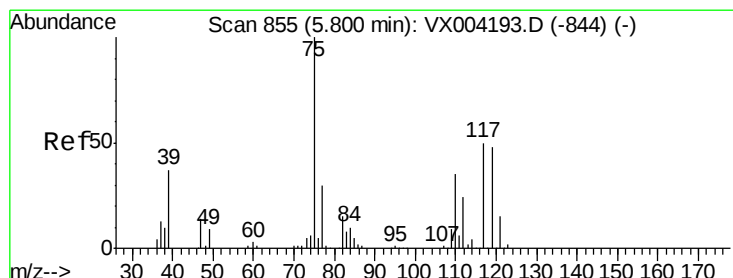
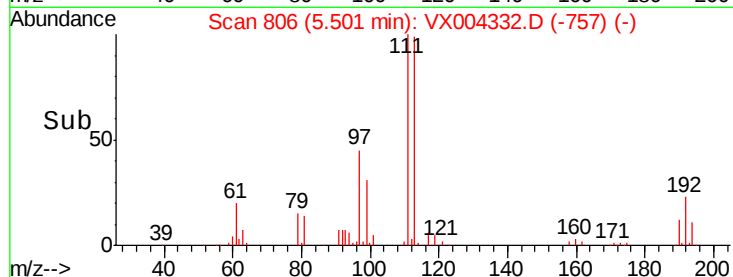
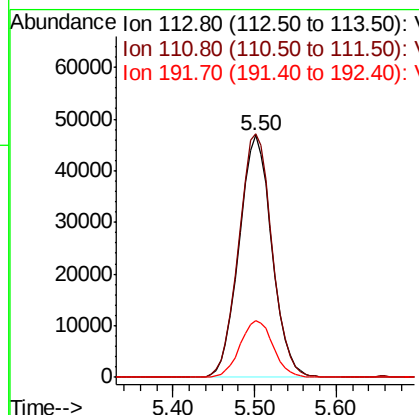
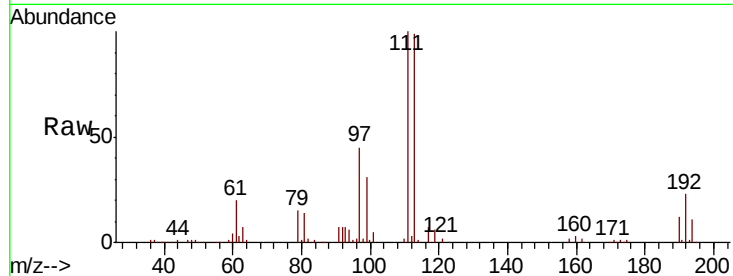
#35  
 Dibromofluoromethane  
 Concen: 54.85 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 130642 |       |       |
| 111     | 102.4 | 82.4   | 123.6 |       |
| 192     | 23.7  | 19.4   | 29.2  |       |

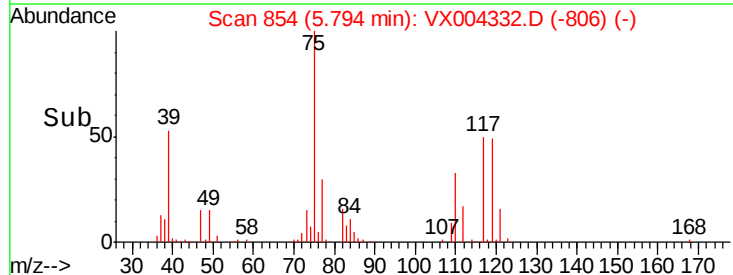
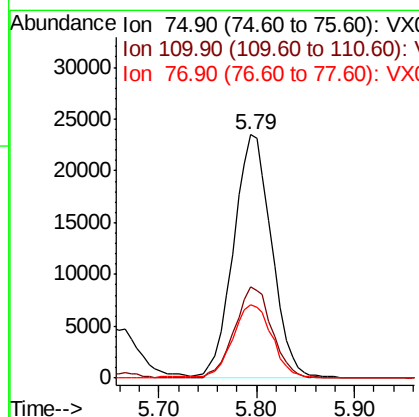
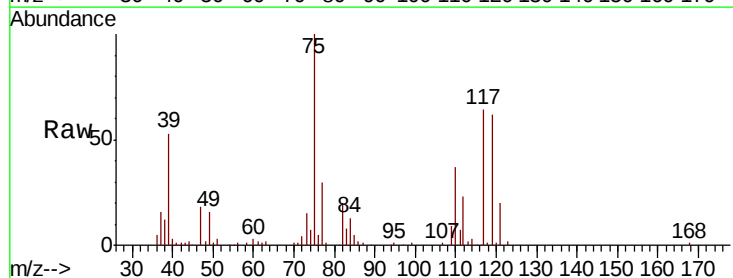
Manual Integrations  
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#36  
 1,1-Dichloropropene  
 Concen: 17.70 ug/l  
 RT: 5.79 min Scan# 854  
 Delta R.T. -0.01 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 75      | 100   | 63706 |       |       |
| 110     | 36.9  | 18.0  | 54.0  |       |
| 77      | 31.7  | 24.6  | 36.8  |       |





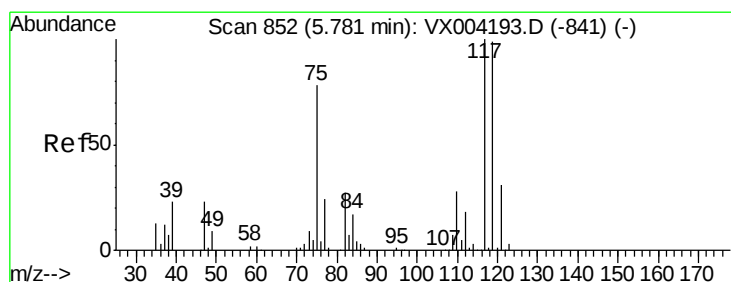
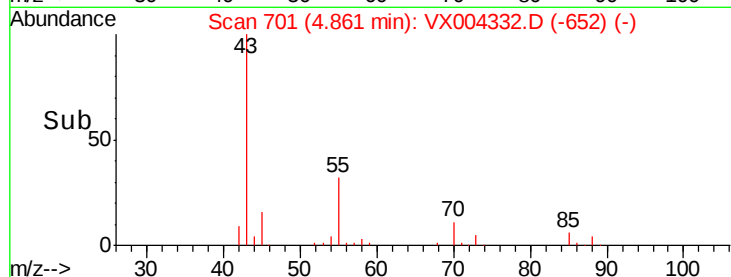
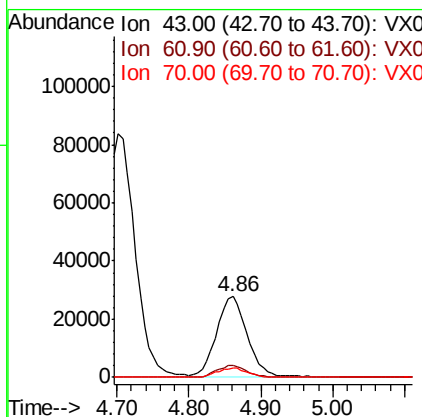
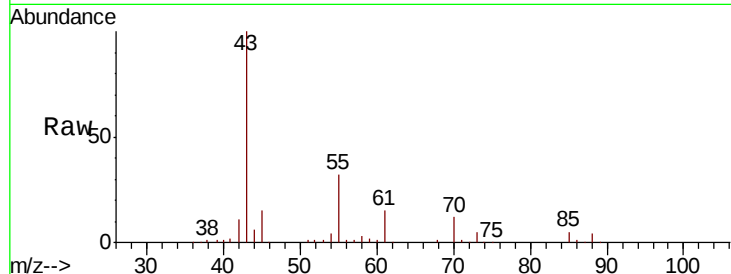
#37  
Ethyl Acetate  
Concen: 23.05 ug/l  
RT: 4.86 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.7  | 11.5  | 17.3  |
| 70      | 11.3  | 9.0   | 13.6  |

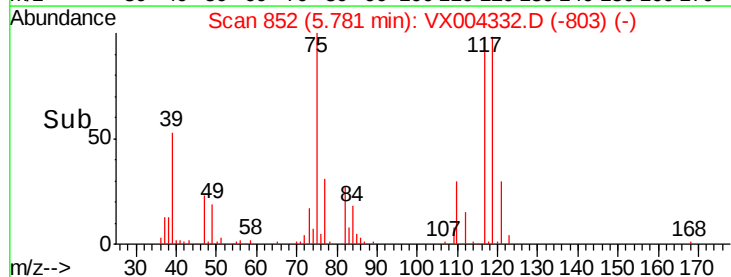
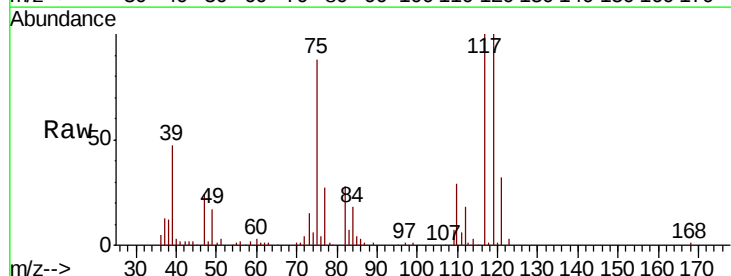
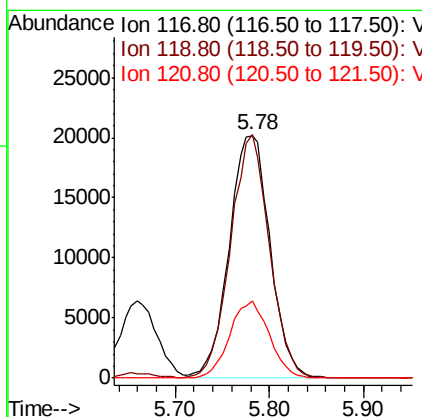
Manual Integrations  
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#38  
Carbon Tetrachloride  
Concen: 18.00 ug/l  
RT: 5.78 min Scan# 852  
Delta R.T. -0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 100.4 | 78.8  | 118.2 |
| 121     | 31.9  | 24.9  | 37.3  |





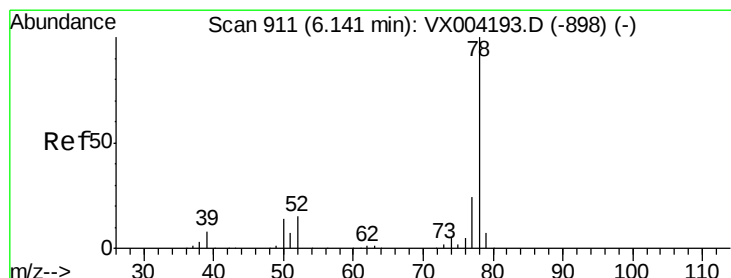
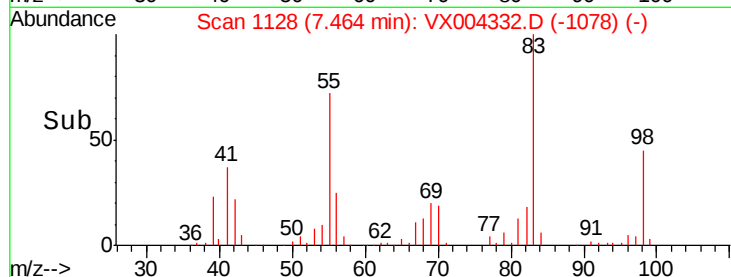
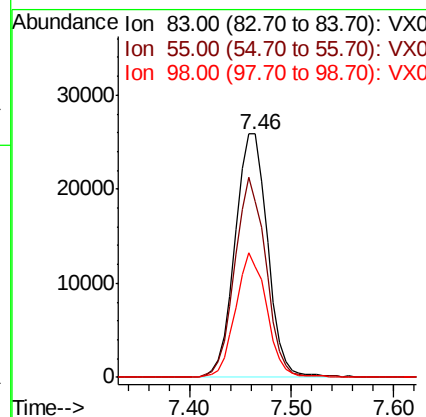
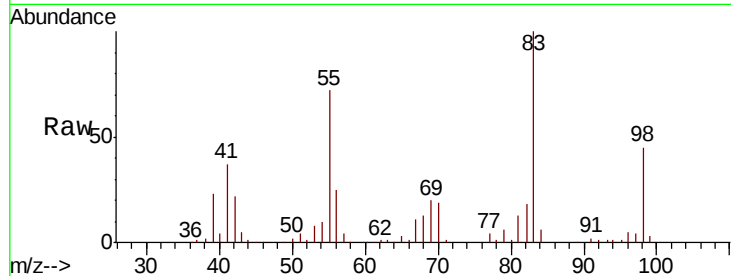
#39  
Methvlcvclohexane  
Concen: 13.94 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.01 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 72.0  | 61.0  | 91.4  |
| 98      | 45.5  | 39.6  | 59.4  |

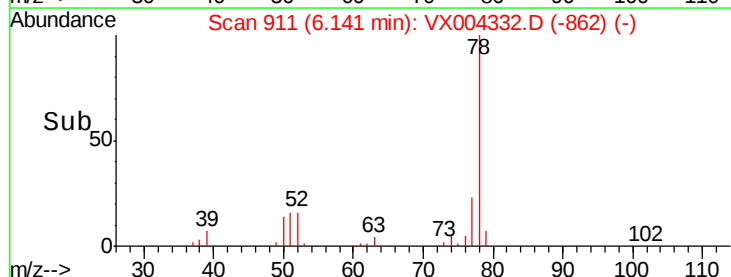
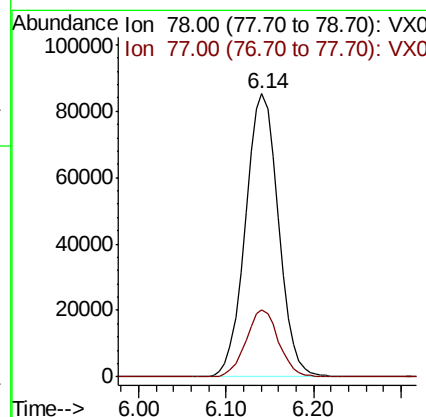
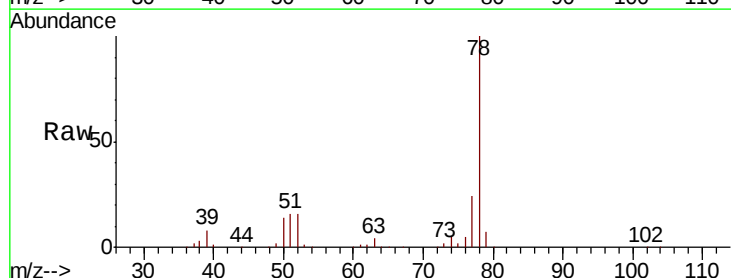
Manual Integrations  
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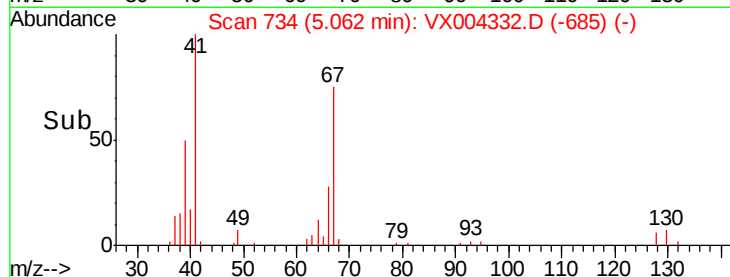
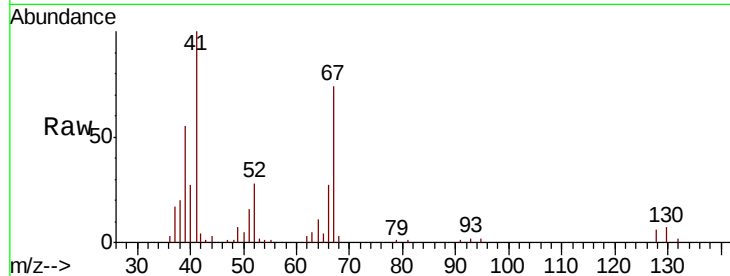
MMDadoda  
9/4/2018 12:10:47 PM



#40  
Benzene  
Concen: 20.83 ug/l  
RT: 6.14 min Scan# 911  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 19.0  | 28.4  |





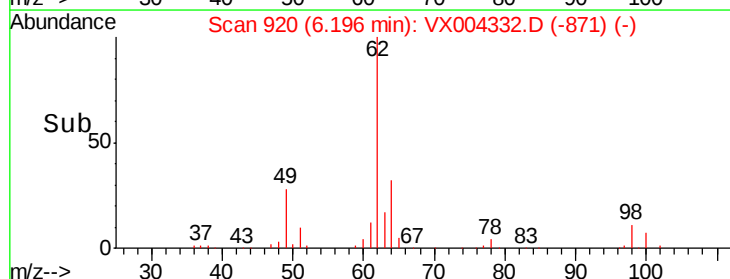
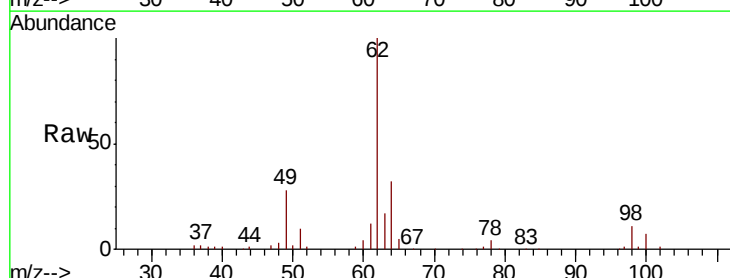
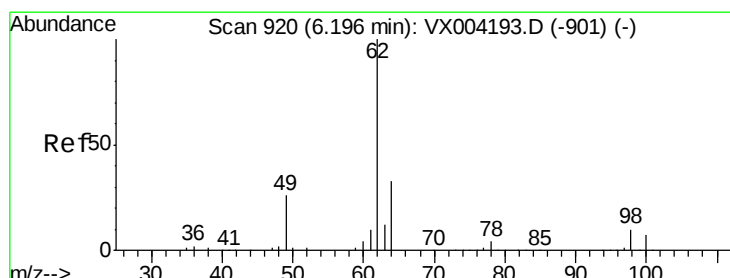
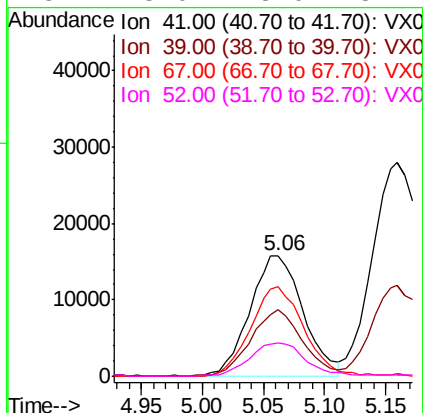
#41  
Methacrylonitrile  
Concen: 23.38 ug/l  
RT: 5.06 min Scan# 734  
Delta R.T. -0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.6 | 42.4  | 63.6  |       |
| 67      | 74.0 | 59.2  | 88.8  |       |
| 52      | 28.0 | 23.0  | 34.4  |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBS01

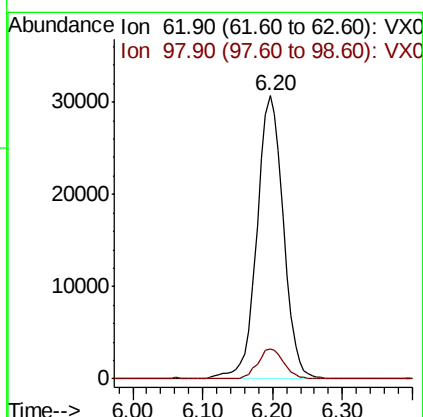
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9/4/2018 12:10:47 PM



#42  
1,2-Dichloroethane  
Concen: 22.03 ug/l  
RT: 6.20 min Scan# 920  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.4 | 0.0   | 20.6  |       |





#43

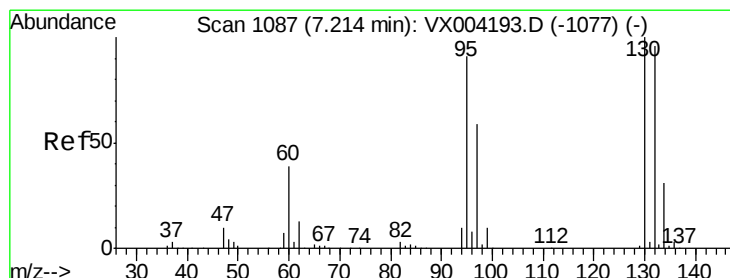
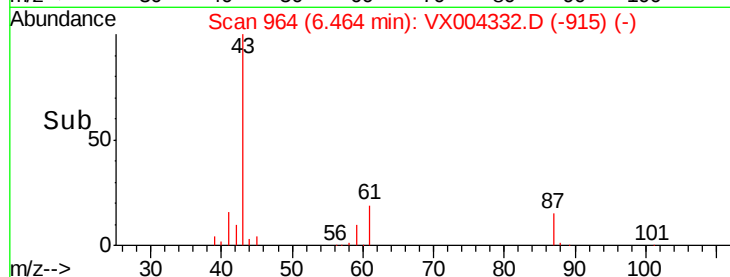
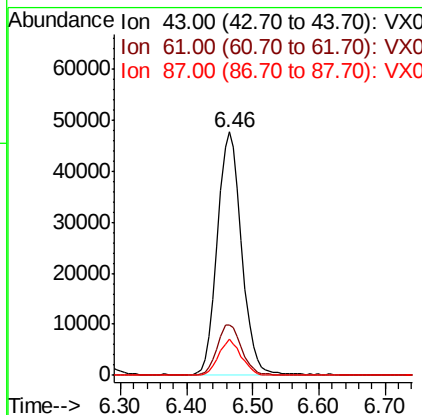
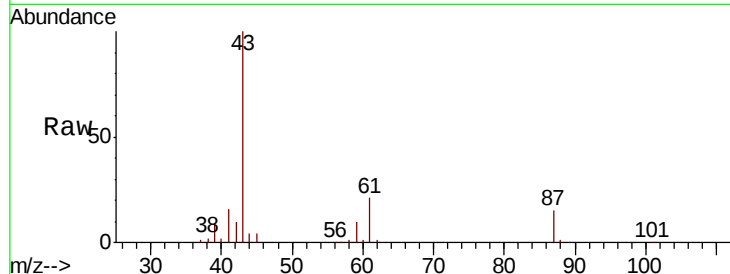
Isopropyl Acetate  
 Concen: 22.19 ug/l  
 RT: 6.46 min Scan# 964  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.1  | 17.0  | 25.4  |
| 87      | 13.9  | 11.4  | 17.2  |

Manual Integrations  
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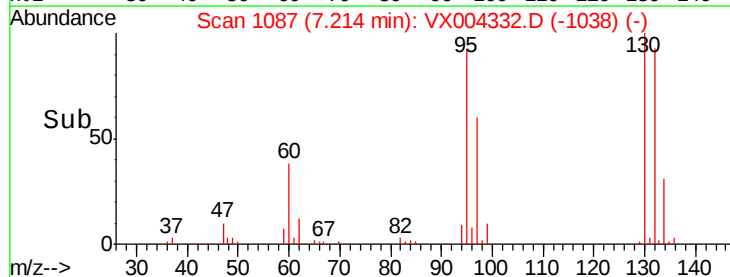
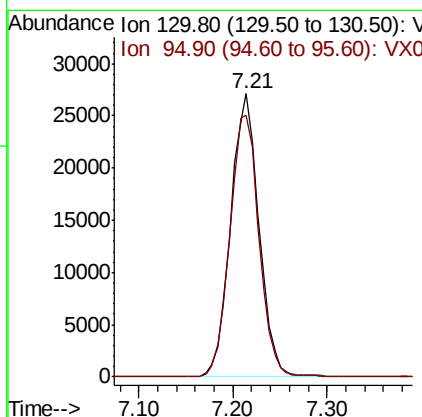
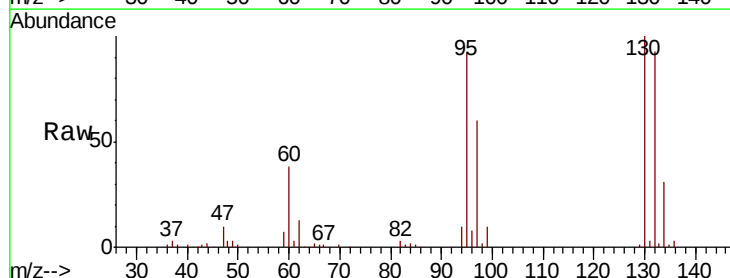
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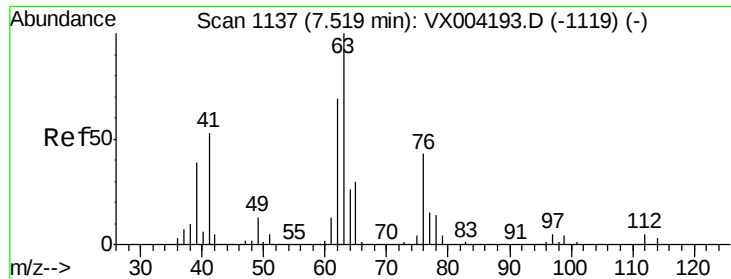


#44

Trichloroethene  
 Concen: 18.95 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.4  | 0.0   | 181.6 |





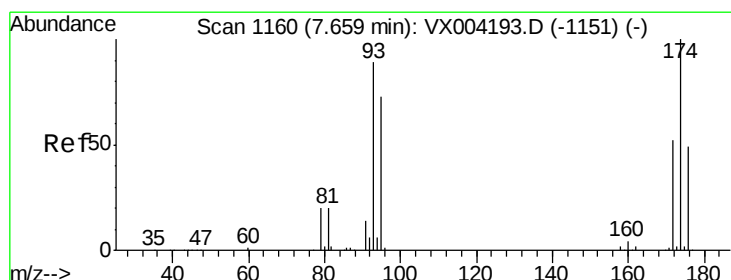
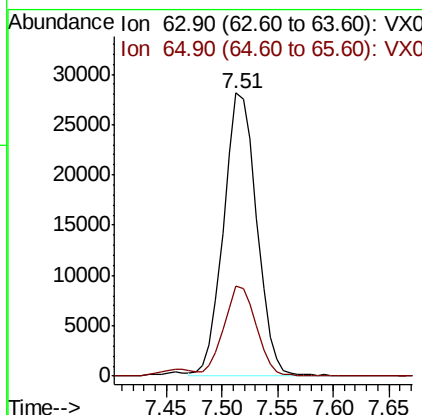
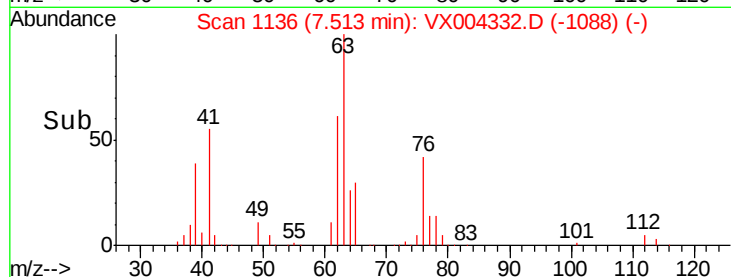
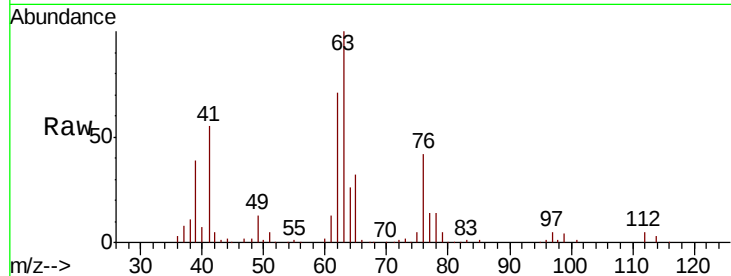
#45  
 1,2-Dichloropropane  
 Concen: 21.48 ug/l  
 RT: 7.51 min Scan# 1136  
 Delta R.T. -0.01 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

Tot Ion: 63 Resp: 57816  
 Ion Ratio Lower Upper  
 63 100  
 65 32.0 24.3 36.5

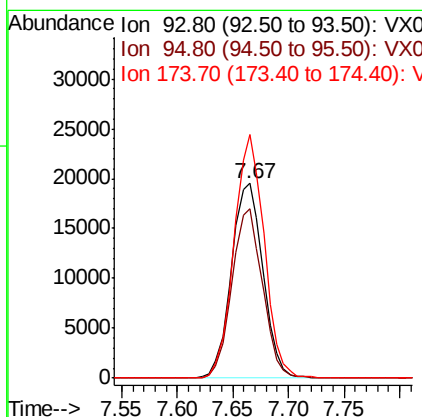
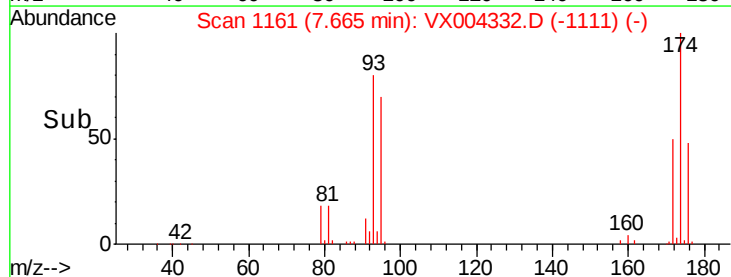
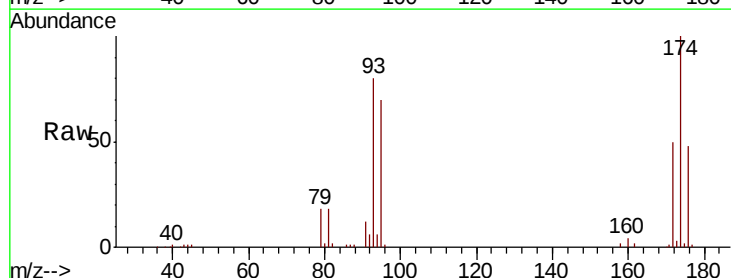
Manual Integrations  
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#46  
 Dibromomethane  
 Concen: 21.50 ug/l  
 RT: 7.67 min Scan# 1161  
 Delta R.T. 0.01 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Tgt Ion: 93 Resp: 38533  
 Ion Ratio Lower Upper  
 93 100  
 95 84.2 65.5 98.3  
 174 119.1 94.2 141.4





#47

Bromodichloromethane

Concen: 21.58 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

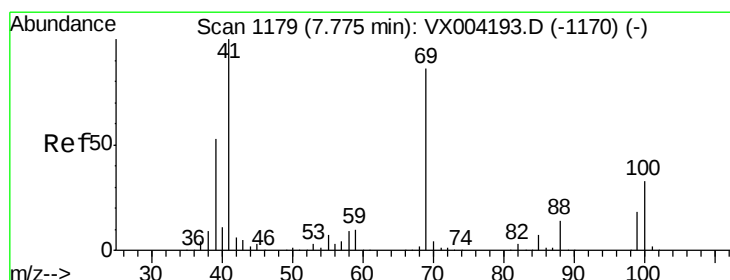
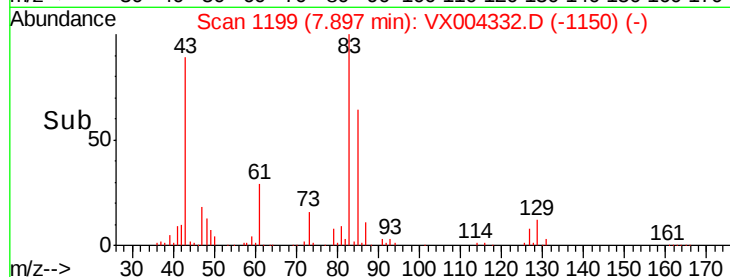
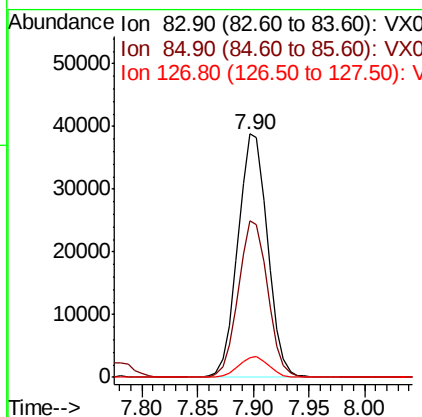
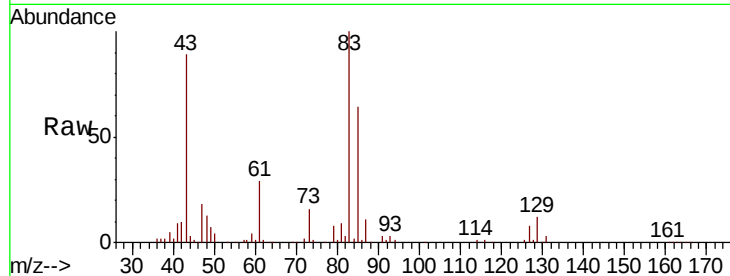
ClientSampleId :

VX0831WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 71964 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.2  | 50.9  | 76.3  |
| 127      | 8.1   | 7.3   | 10.9  |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 22.13 ug/l

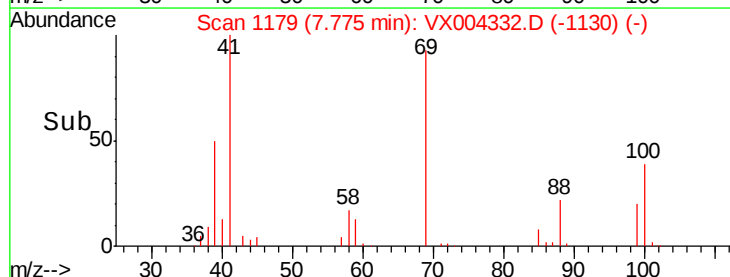
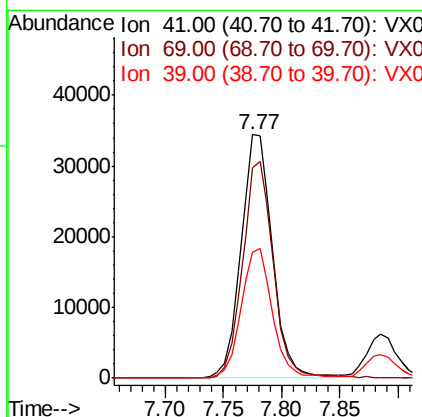
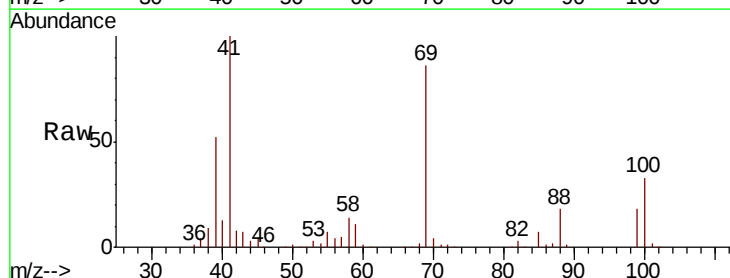
RT: 7.77 min Scan# 1179

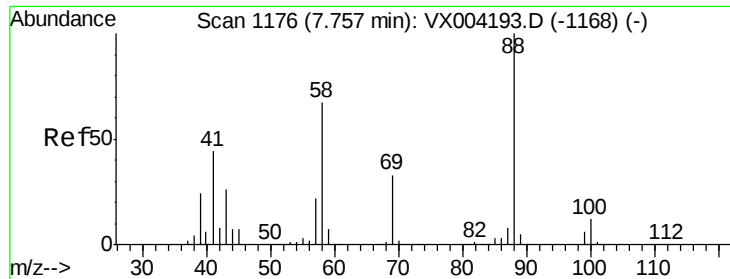
Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 64397 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 87.5  | 70.2  | 105.4 |
| 39       | 52.3  | 42.7  | 64.1  |





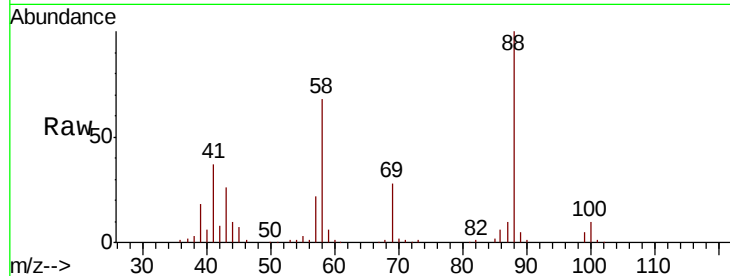
#49  
1,4-Dioxane  
Concen: 502.62 ug/l  
RT: 7.76 min Scan# 1176  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 30.4  | 24.7  | 37.1  |
| 58      | 72.3  | 55.3  | 82.9  |

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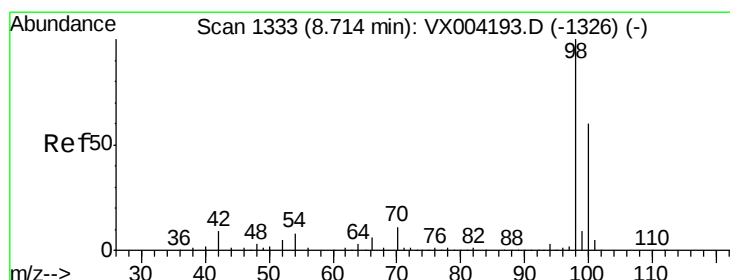
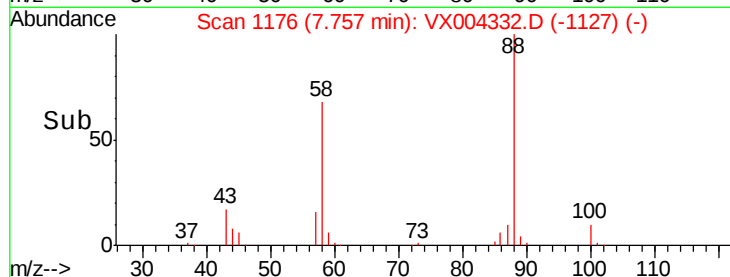
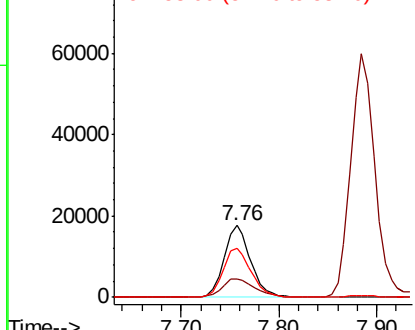


Abundance

Ion 88.00 (87.70 to 88.70): VX0

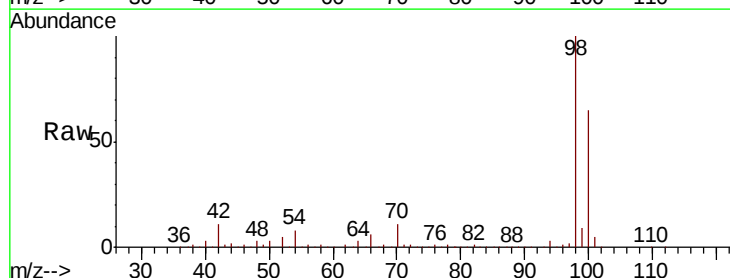
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50  
Toluene-d8  
Concen: 52.40 ug/l  
RT: 8.71 min Scan# 1333  
Delta R.T. -0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

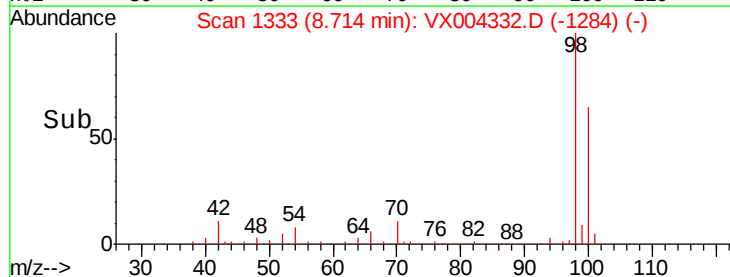
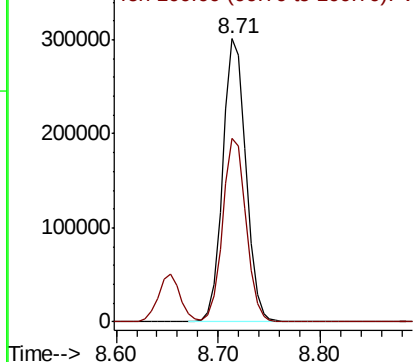
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.4  | 52.9  | 79.3  |

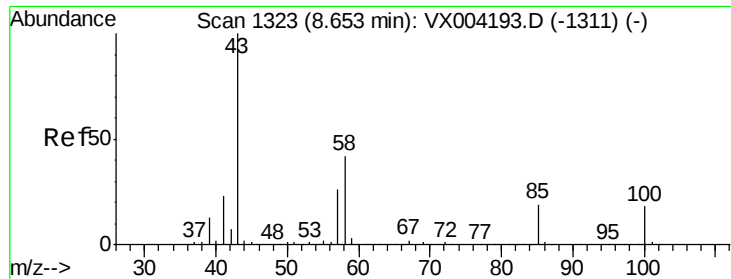


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 113.59 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampled :

VX0831WBS01

Tot Ion: 43 Resp: 448911

Ion Ratio Lower Upper

43 100

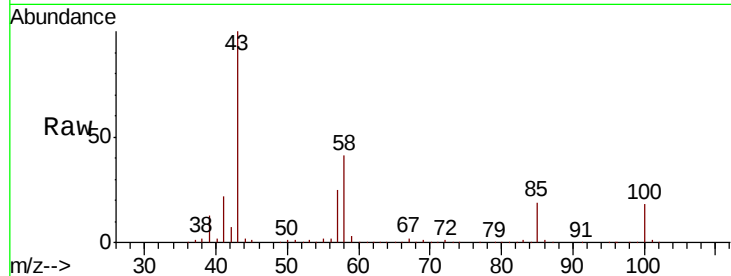
58 40.6 33.1 49.7

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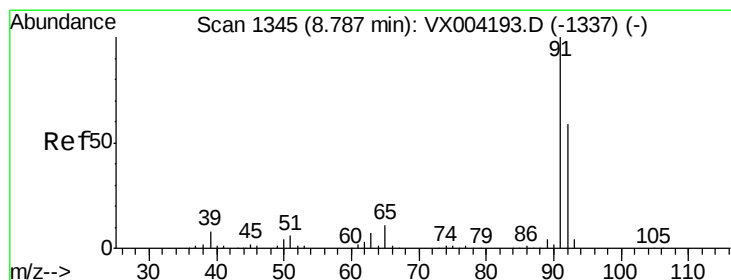
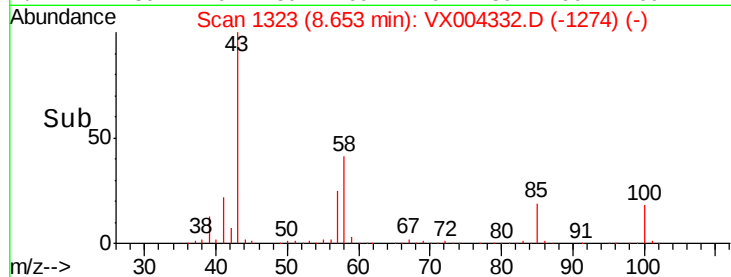
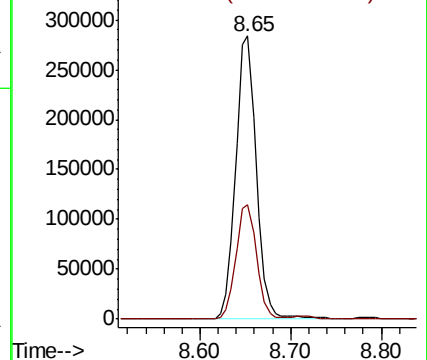
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.56 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004332.D

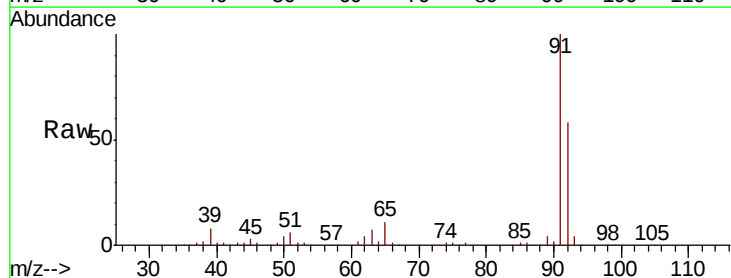
Acq: 31 Aug 2018 17:53

Tgt Ion: 92 Resp: 138387

Ion Ratio Lower Upper

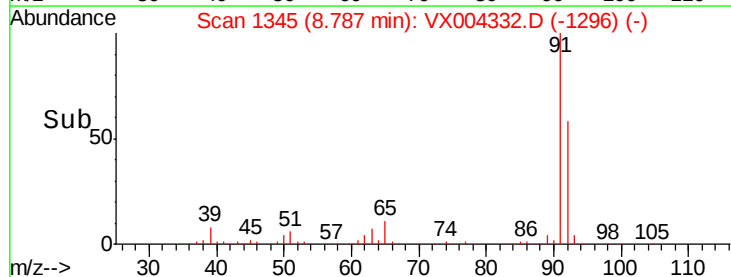
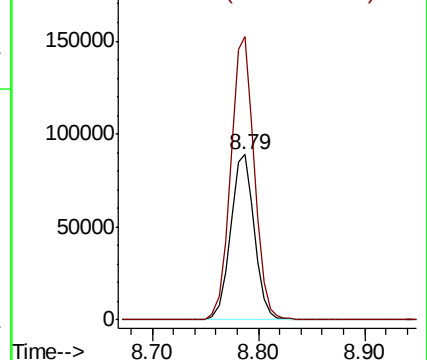
92 100

91 170.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





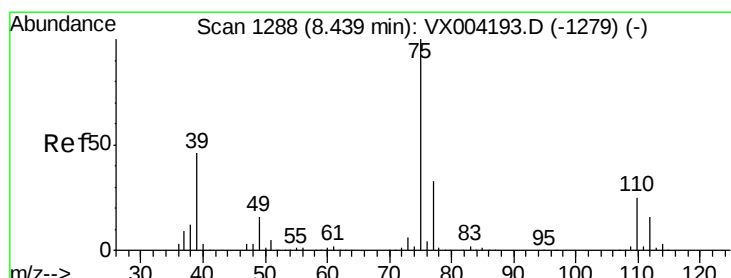
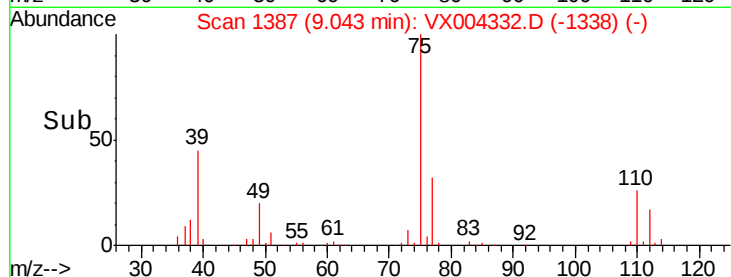
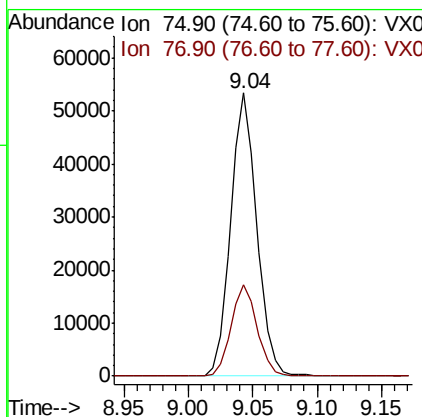
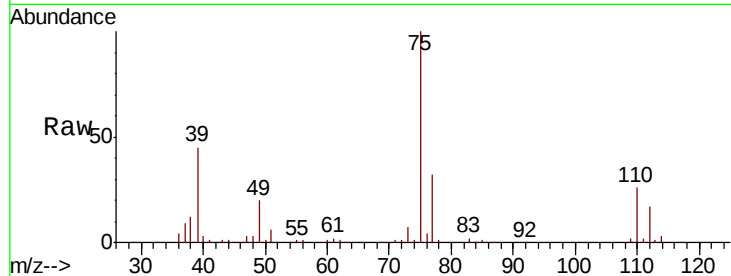
#53  
 t-1,3-Dichloropropene  
 Concen: 20.58 ug/l  
 RT: 9.04 min Scan# 1387  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

Tot Ion: 75 Resp: 75802  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 24.6 37.0

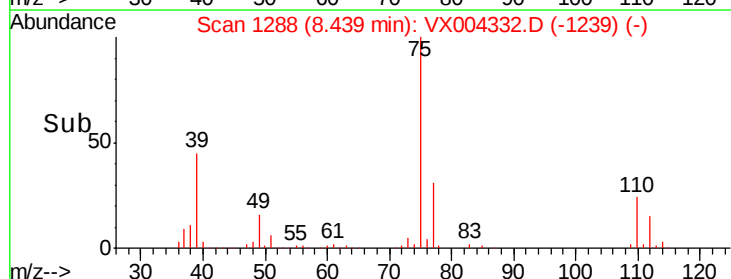
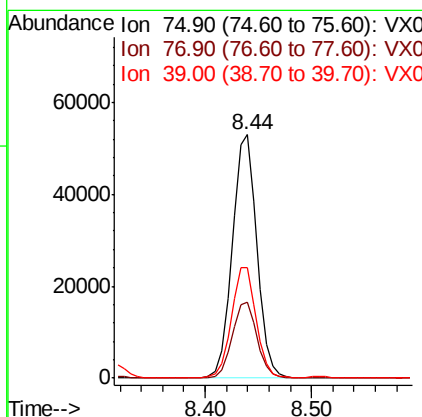
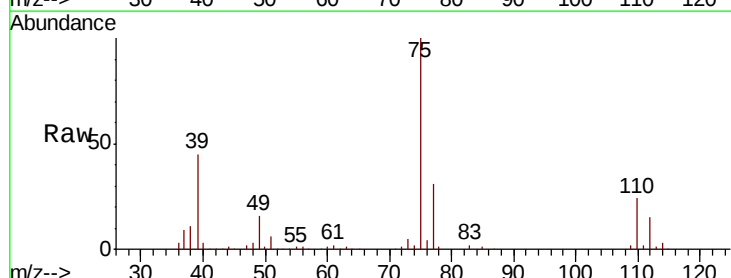
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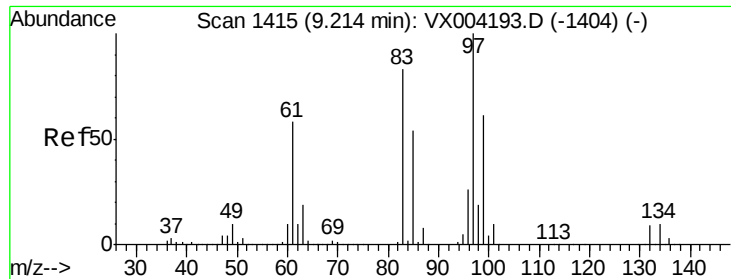
MMDadoda  
 9/4/2018 12:10:47 PM



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.37 ug/l  
 RT: 8.44 min Scan# 1288  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Tgt Ion: 75 Resp: 85751  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 26.2 39.2  
 39 45.3 36.4 54.6





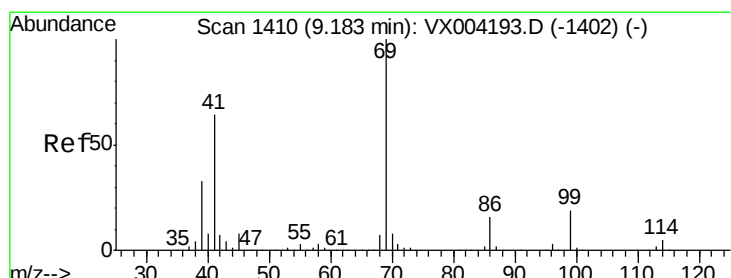
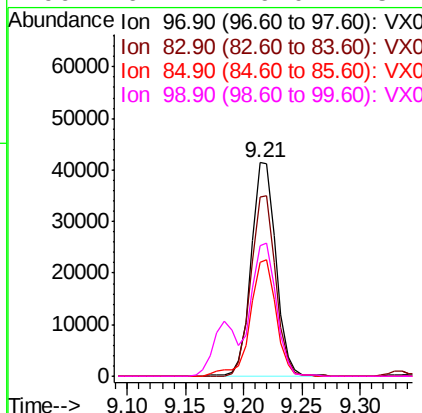
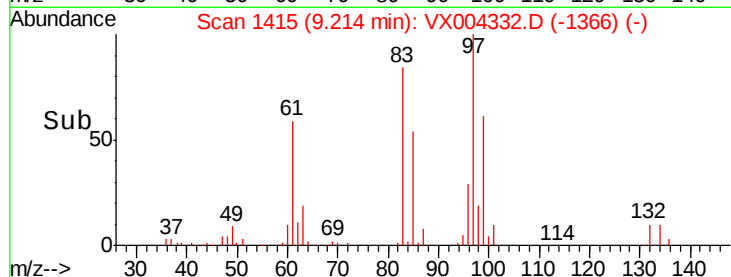
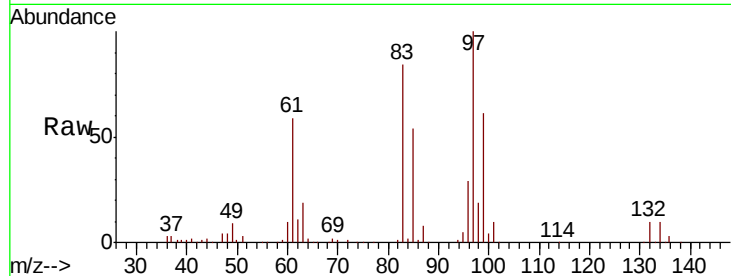
#55  
 1,1,2-Trichloroethane  
 Concen: 22.79 ug/l  
 RT: 9.21 min Scan# 1415  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 97      | 100  |       | 61928 |       |       |
| 83      | 83.6 | 66.4  | 99.6  |       |       |
| 85      | 53.6 | 43.3  | 64.9  |       |       |
| 99      | 61.2 | 49.0  | 73.4  |       |       |

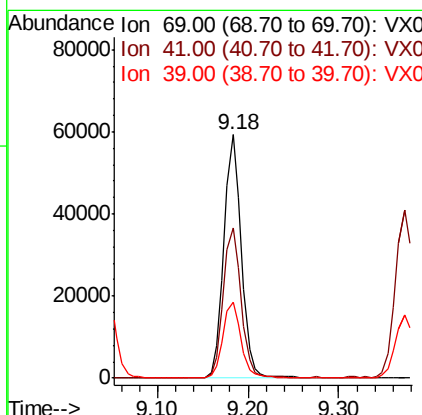
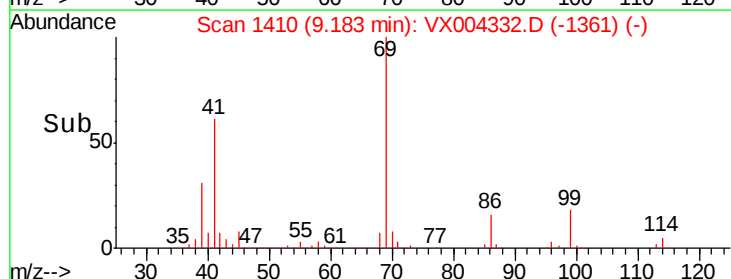
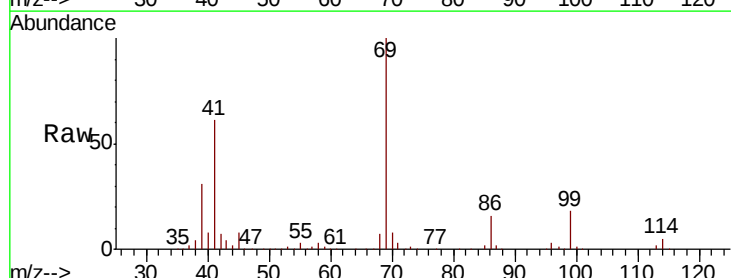
Manual Integrations  
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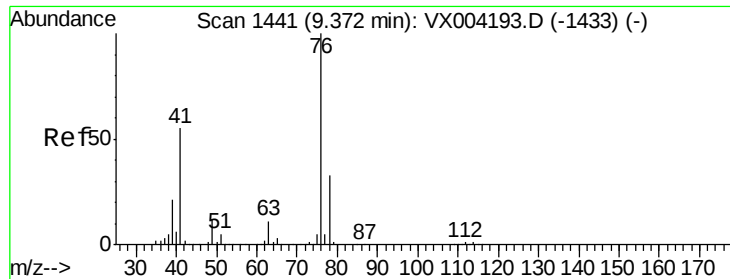
MMDadoda  
 9/4/2018 12:10:47 PM



#56  
 Ethyl methacrylate  
 Concen: 21.67 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 69      | 100  |       | 80155 |       |       |
| 41      | 62.7 | 51.0  | 76.4  |       |       |
| 39      | 31.9 | 26.1  | 39.1  |       |       |





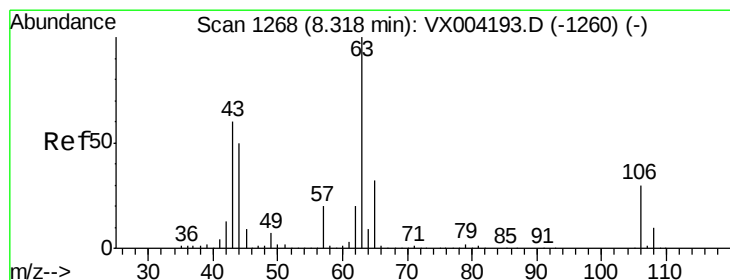
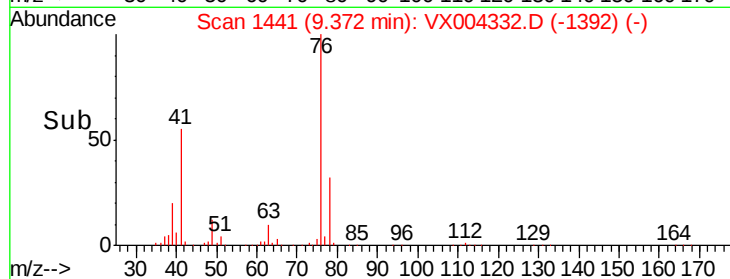
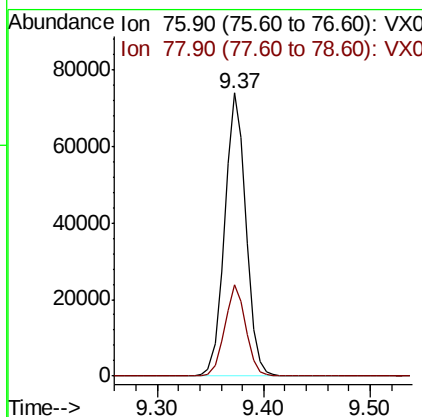
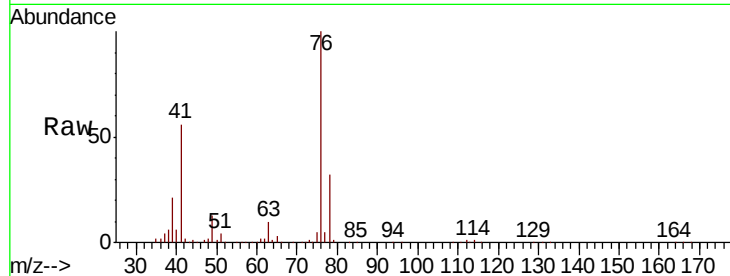
#57  
 1,3-Dichloropropane  
 Concen: 22.59 ug/l  
 RT: 9.37 min Scan# 1441  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

Tot Ion: 76 Resp: 103475  
 Ion Ratio Lower Upper  
 76 100  
 78 31.8 25.5 38.3

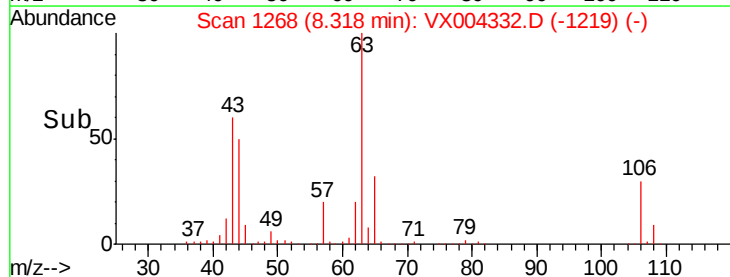
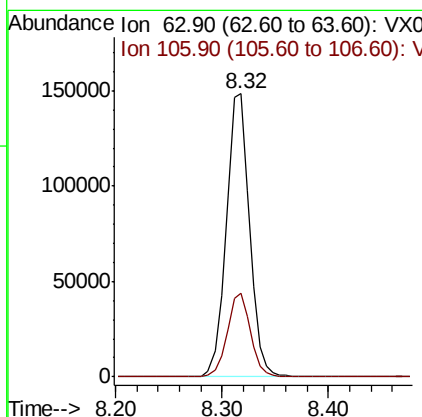
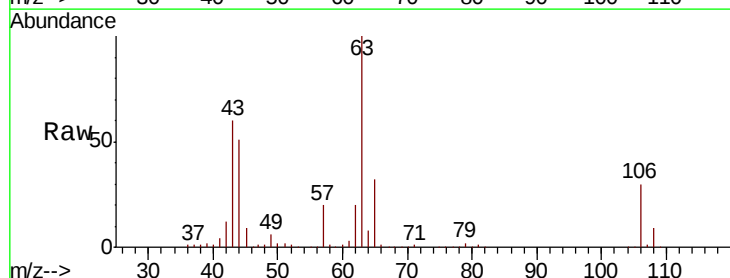
Manual Integrations  
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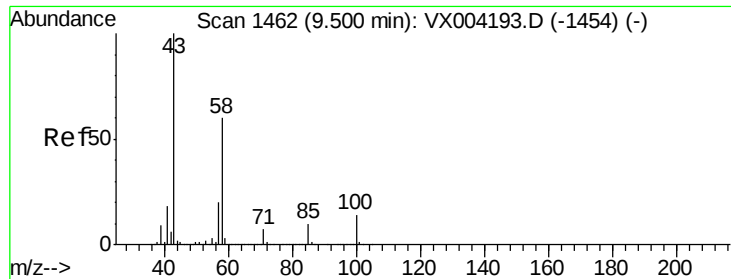
MMDadoda  
 9/4/2018 12:10:47 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 119.80 ug/l  
 RT: 8.32 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Tgt Ion: 63 Resp: 227078  
 Ion Ratio Lower Upper  
 63 100  
 106 29.5 23.9 35.9





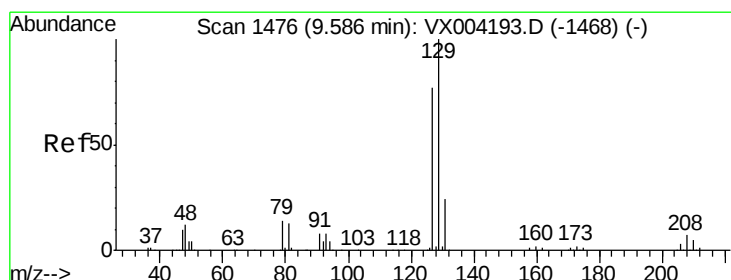
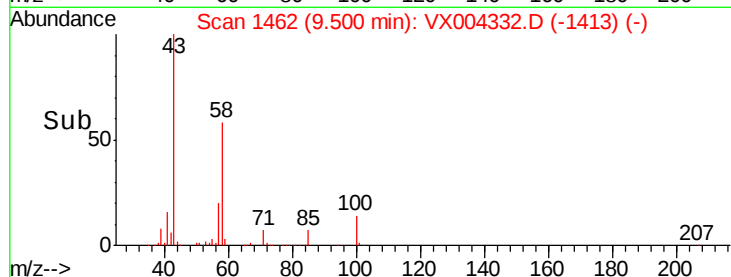
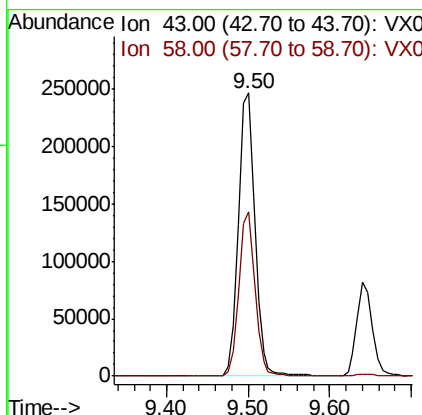
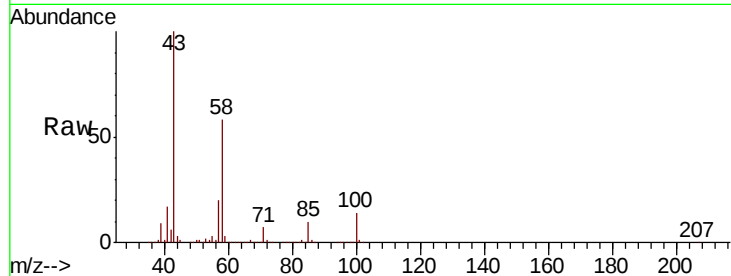
#59  
2-Hexanone  
Concen: 113.81 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0831WBS01

Tot Ion: 43 Resp: 343137  
Ion Ratio Lower Upper  
43 100  
58 56.6 29.0 87.0

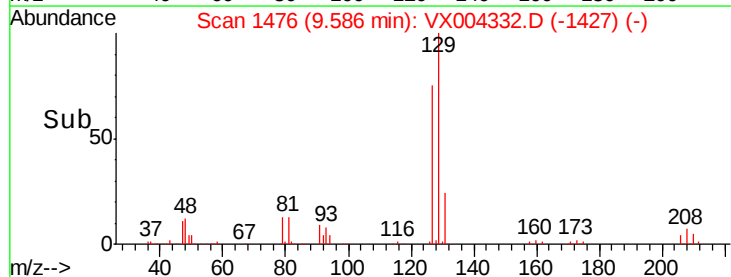
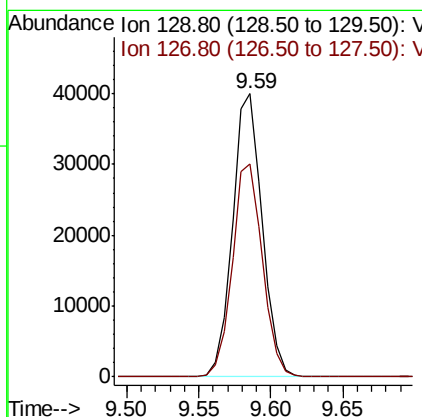
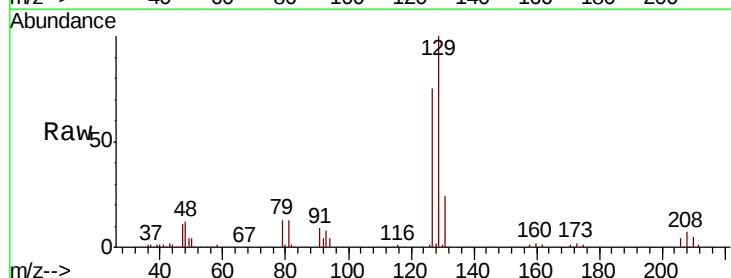
Manual Integrations  
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9/4/2018 12:10:47 PM



#60  
Dibromochloromethane  
Concen: 21.68 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Tgt Ion: 129 Resp: 57407  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.5 115.5





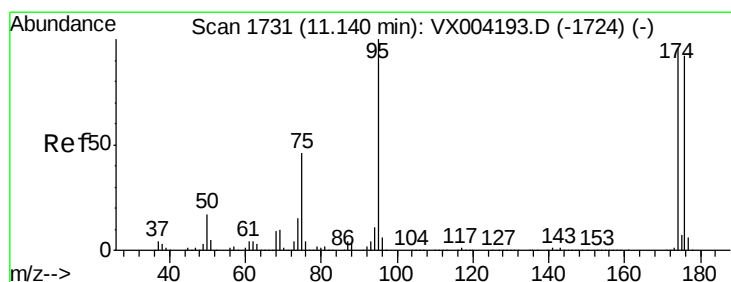
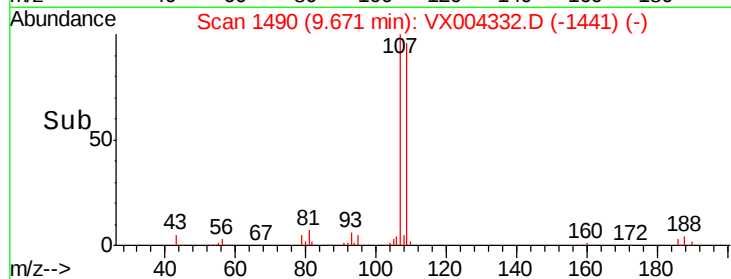
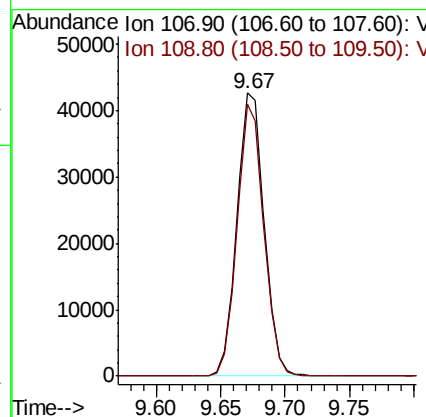
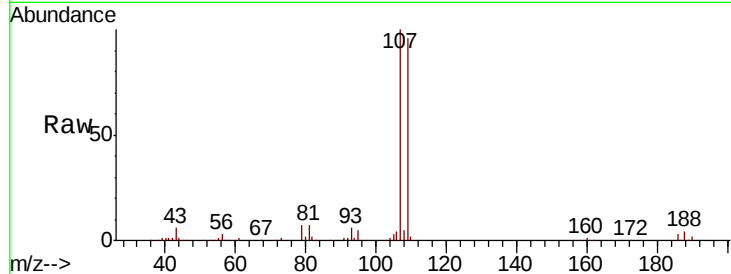
#61  
 1,2-Dibromoethane  
 Concen: 22.30 ug/l  
 RT: 9.67 min Scan# 1490  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.2  | 76.0  | 114.0 |

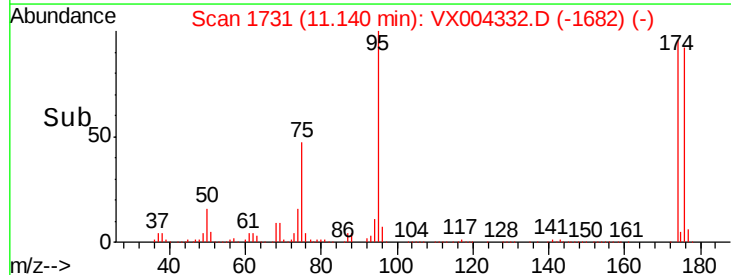
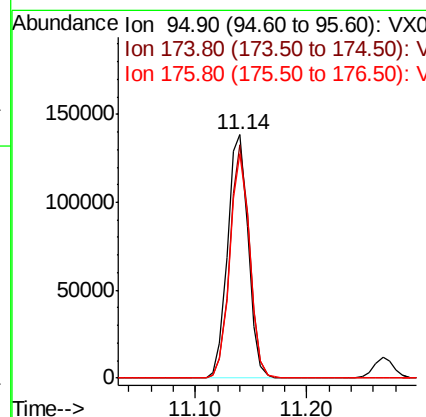
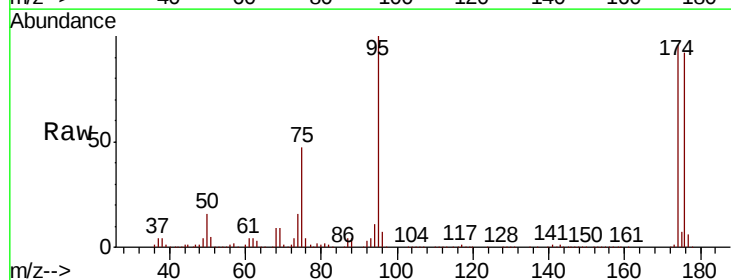
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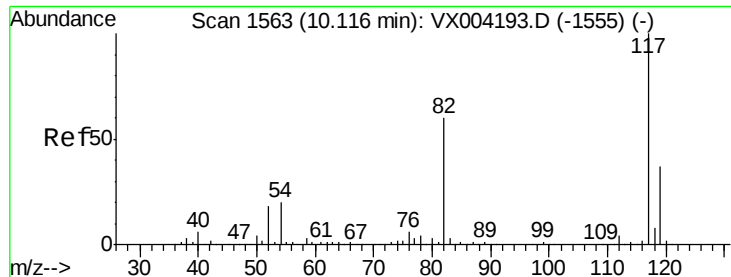
MMDadoda  
 9/4/2018 12:10:47 PM



#62  
 4-Bromofluorobenzene  
 Concen: 53.06 ug/l  
 RT: 11.14 min Scan# 1731  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 91.0  | 0.0   | 185.2 |
| 176     | 88.8  | 0.0   | 178.6 |





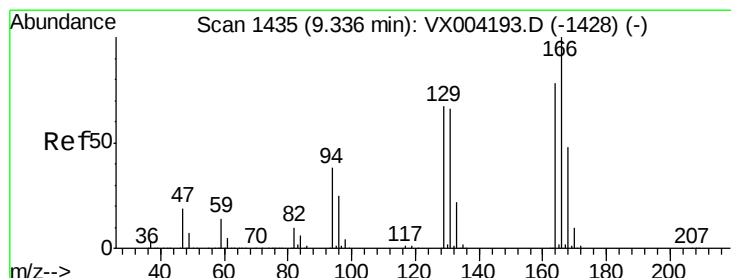
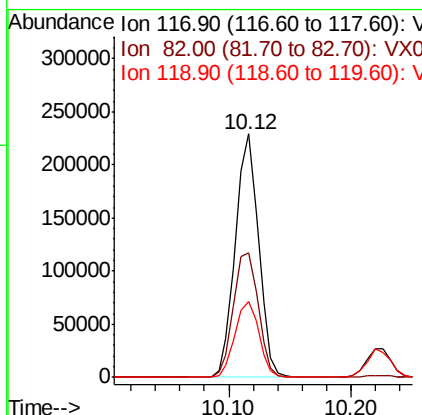
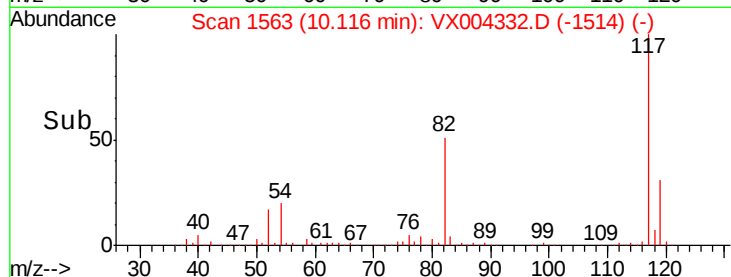
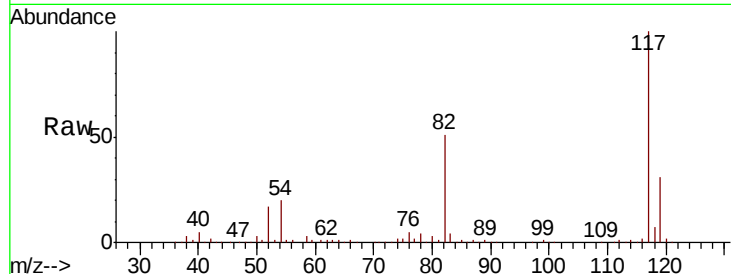
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.0  | 47.8  | 71.6  |
| 119     | 31.2  | 29.3  | 43.9  |

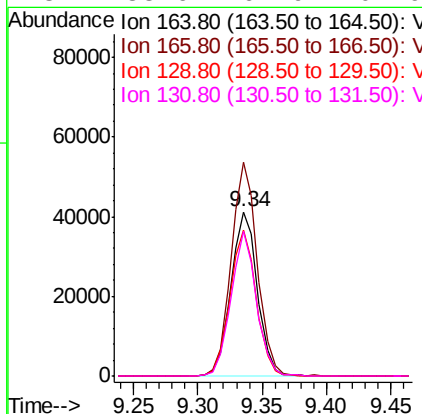
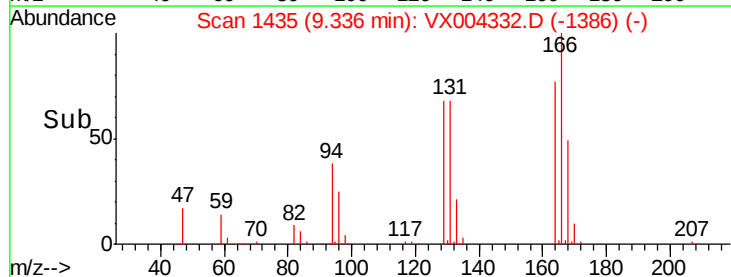
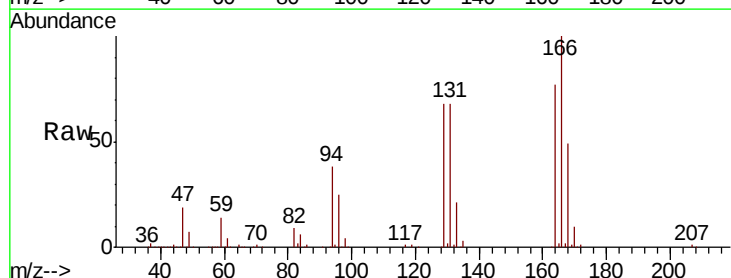
Manual Integrations  
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#64  
Tetrachloroethene  
Concen: 19.78 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 130.3 | 102.8 | 154.2 |
| 129     | 89.2  | 69.4  | 104.0 |
| 131     | 88.6  | 67.9  | 101.9 |





#65

Chlorobenzene

Concen: 20.23 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampled :

VX0831WBS01

Tot Ion:112 Resp: 152749

Ion Ratio Lower Upper

112 100

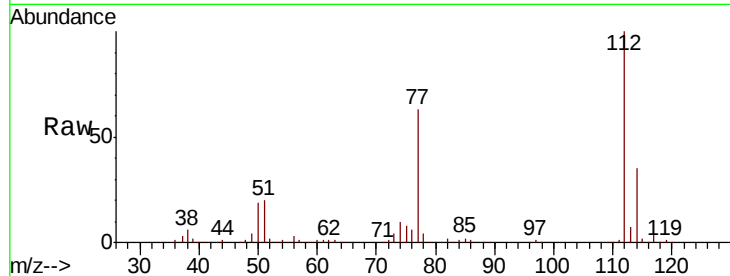
114 34.9 27.8 41.8

Manual Integrations

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9/4/2018 12:10:47 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

120000

100000

80000

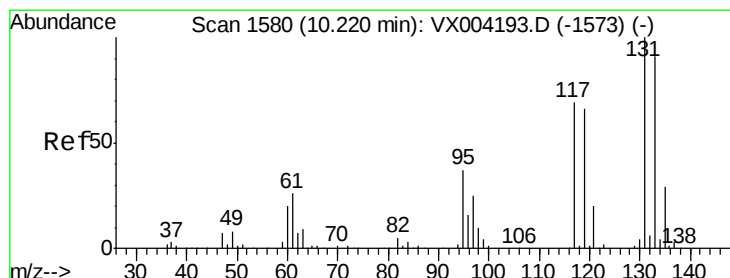
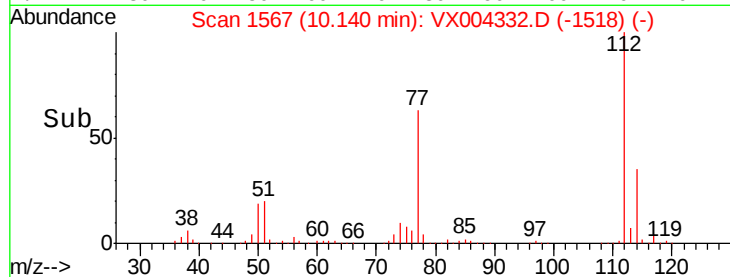
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.44 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

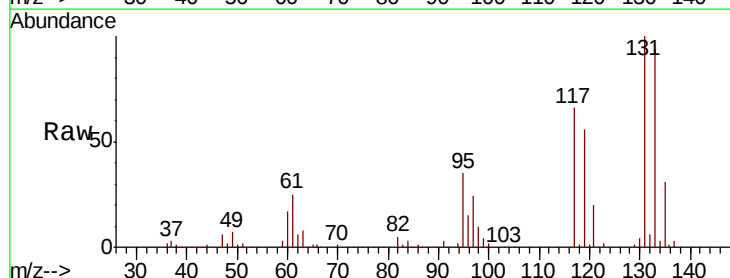
Tgt Ion:131 Resp: 55830

Ion Ratio Lower Upper

131 100

133 97.8 48.1 144.4

119 63.7 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

50000

40000

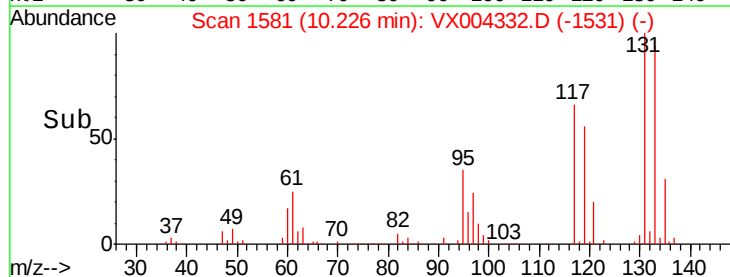
30000

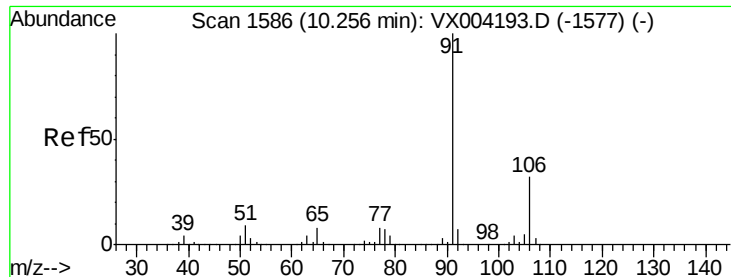
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 19.73 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampled :

VX0831WBS01

Tot Ion: 91 Resp: 241908

Ion Ratio Lower Upper

91 100

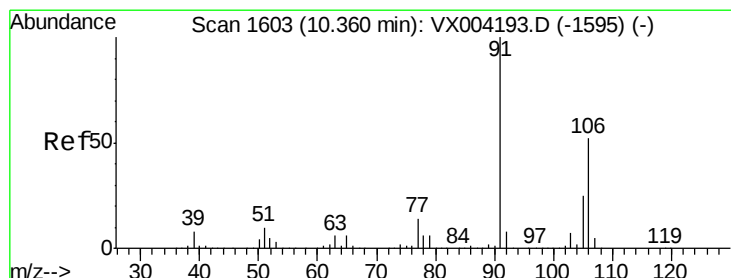
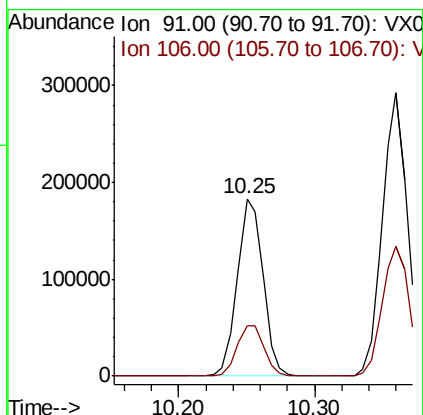
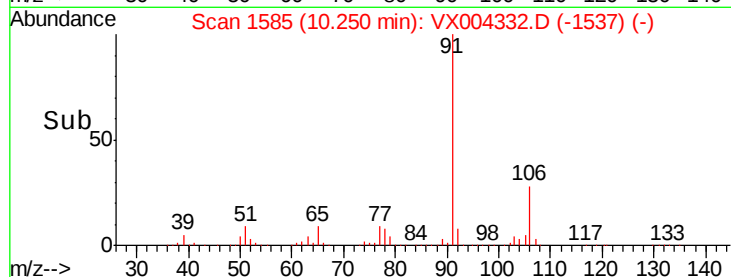
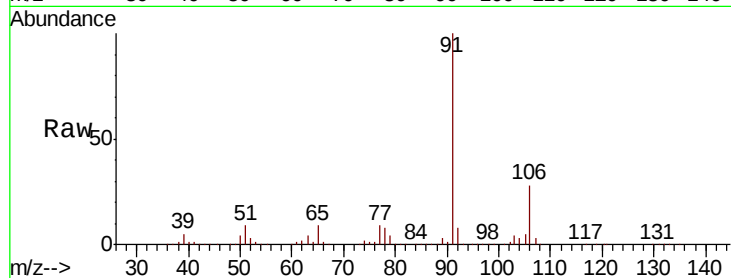
106 28.1 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/4/2018 12:10:47 PM



#68

m/p-Xylenes

Concen: 38.36 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004332.D

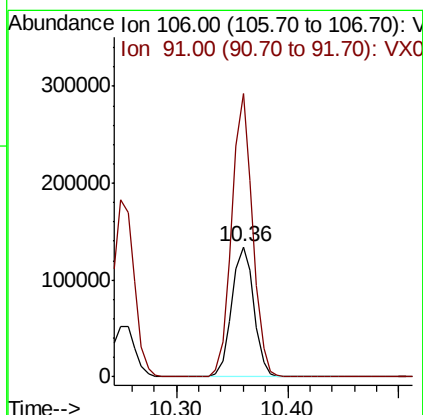
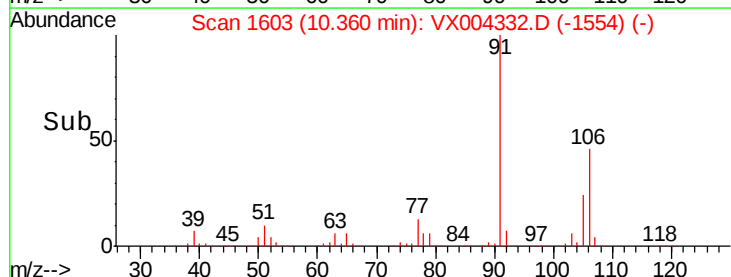
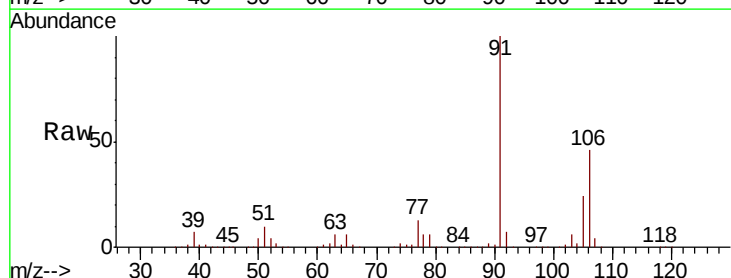
Acq: 31 Aug 2018 17:53

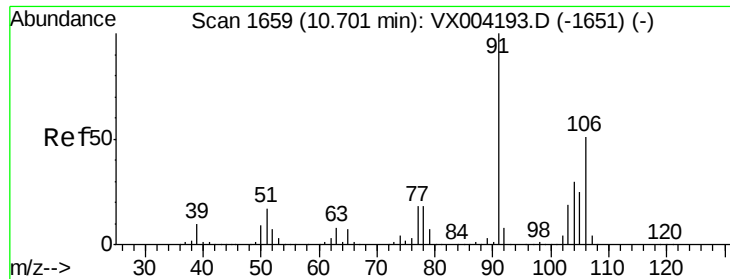
Tgt Ion: 106 Resp: 183922

Ion Ratio Lower Upper

106 100

91 205.2 157.1 235.7





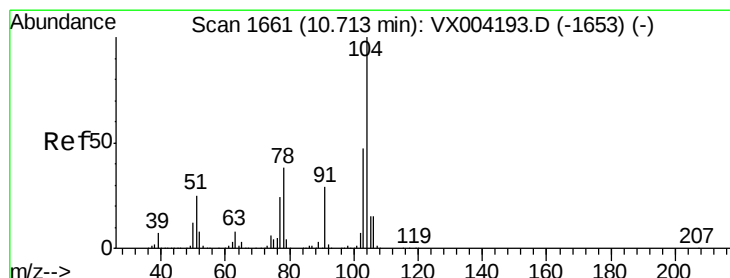
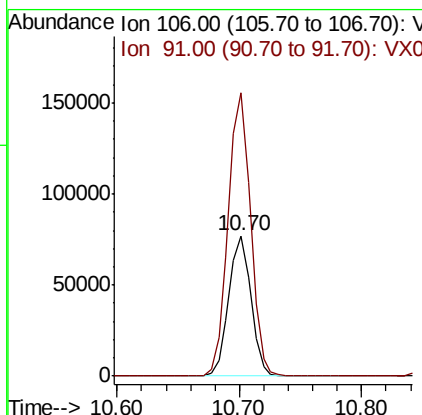
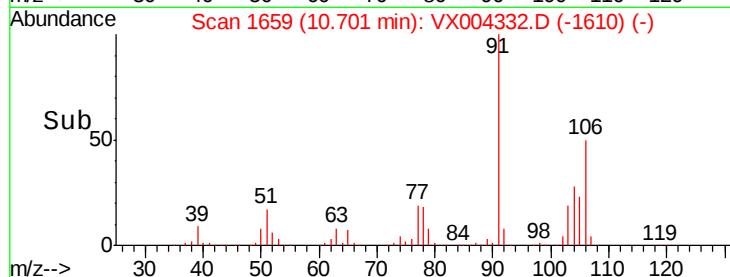
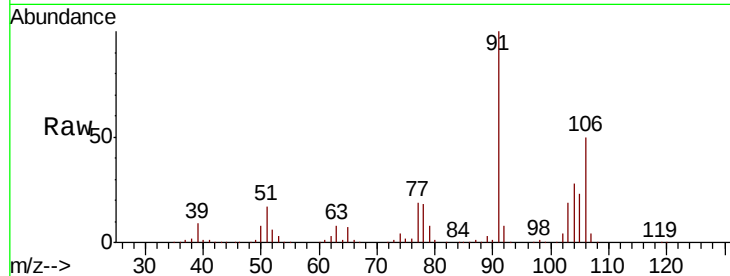
#69  
o-Xylene  
Concen: 21.31 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBS01

Tot Ion:106 Resp: 96636  
Ion Ratio Lower Upper  
106 100  
91 204.9 105.1 315.1

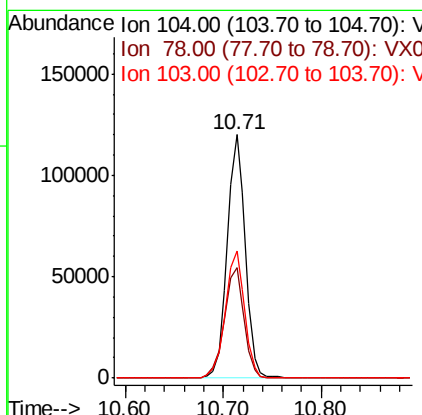
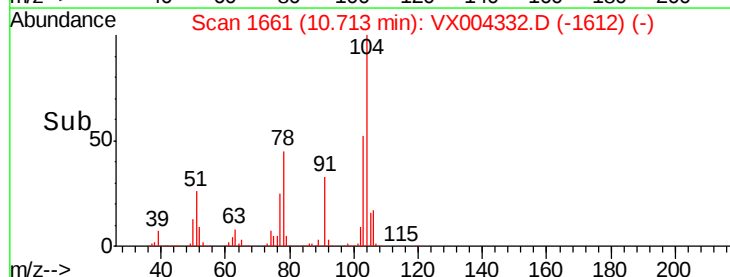
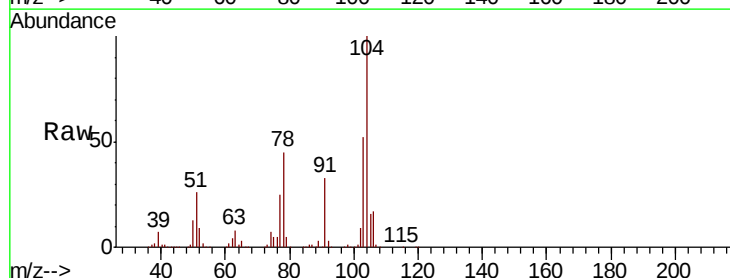
Manual Integrations  
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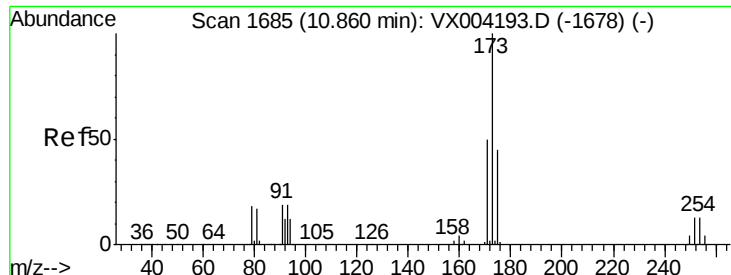
MMDadoda  
9/4/2018 12:10:47 PM



#70  
Styrene  
Concen: 20.98 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Tgt Ion:104 Resp: 154088  
Ion Ratio Lower Upper  
104 100  
78 49.4 37.4 56.0  
103 55.8 43.8 65.6





#71

Bromoform

Concen: 20.88 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

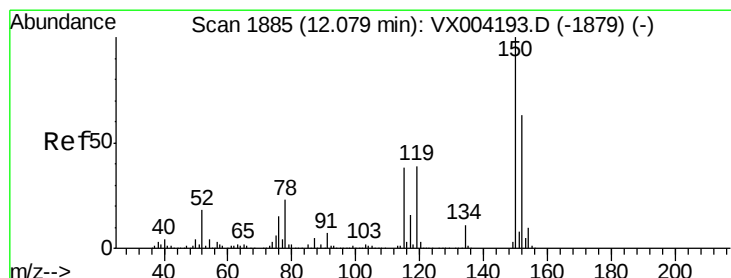
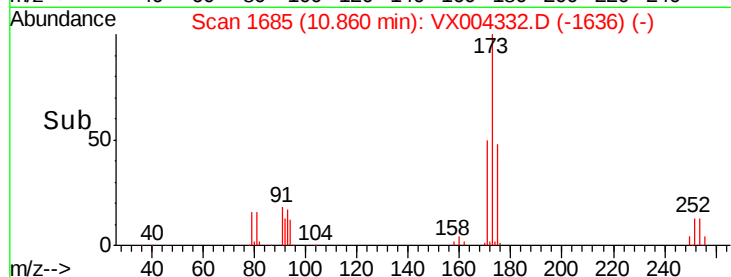
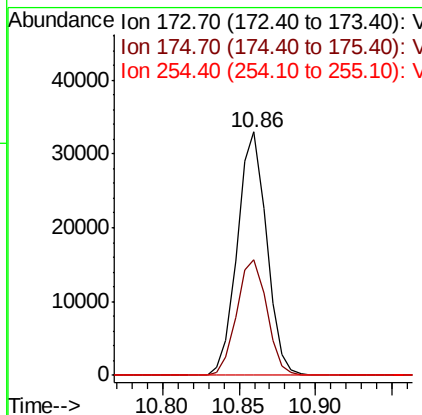
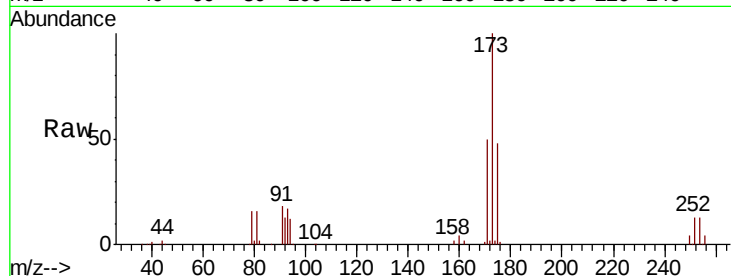
ClientSampleId :

VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.7  | 24.1  | 72.3  |
| 254     | 0.1   | 0.2   | 0.2   |

Manual Integrations  
APPROVED

MMDadoda  
9/4/2018 12:10:47 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

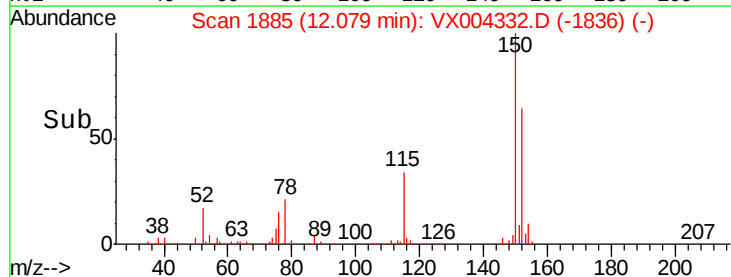
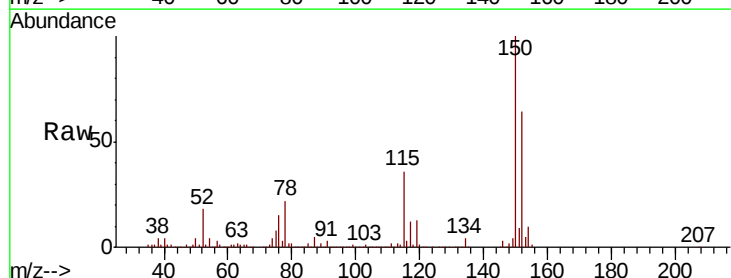
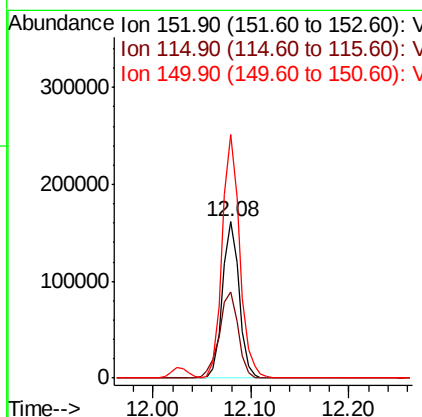
RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.1  | 39.0  | 117.0 |
| 150     | 163.9 | 0.0   | 351.0 |





#73

Isopropylbenzene

Concen: 19.82 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampleId :

VX0831WBS01

Tot Ion: 105 Resp: 247867

Ion Ratio Lower Upper

105 100

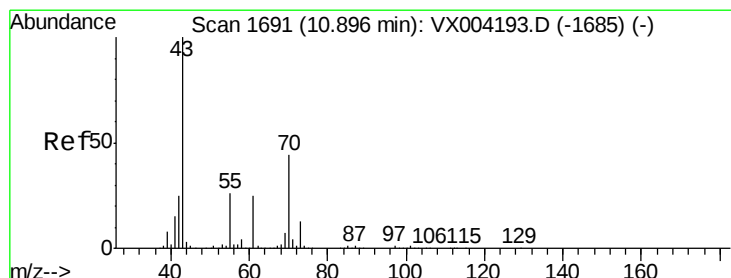
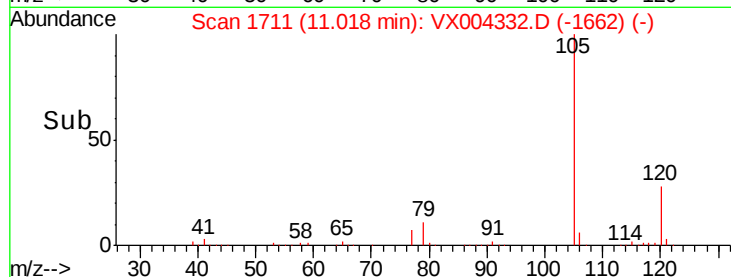
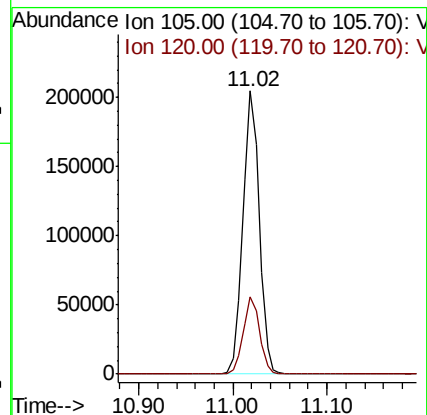
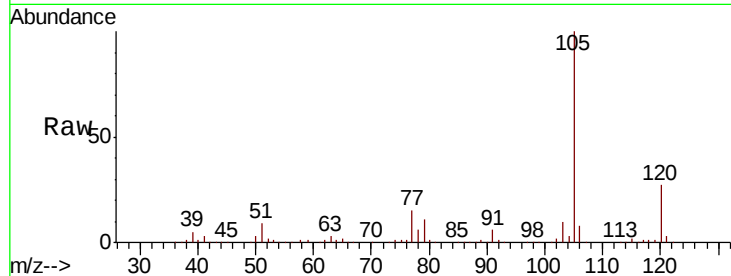
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.39 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Tgt Ion: 43 Resp: 98172

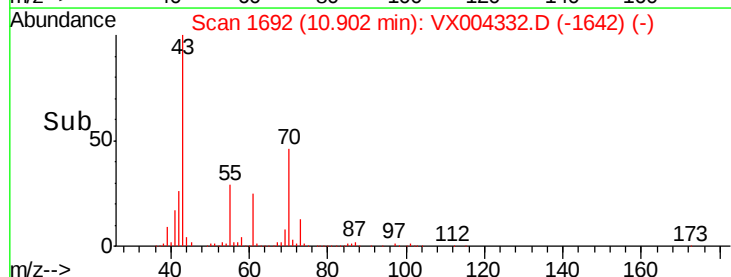
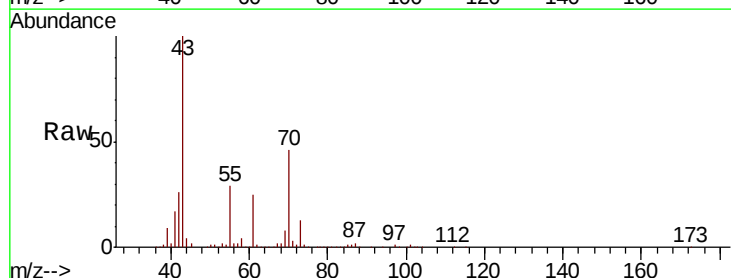
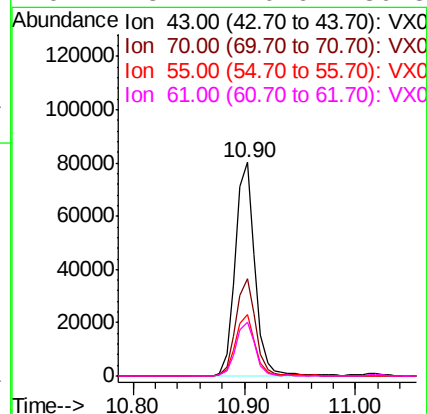
Ion Ratio Lower Upper

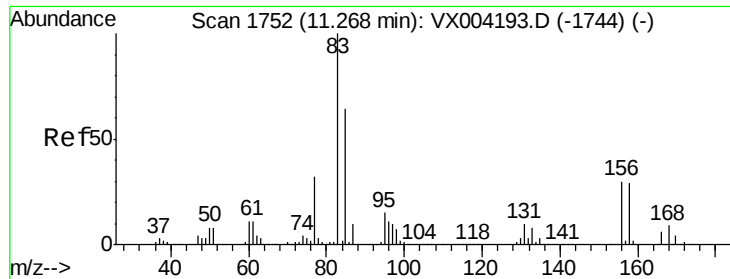
43 100

70 46.3 37.4 56.0

55 29.2 21.8 32.8

61 25.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.69 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

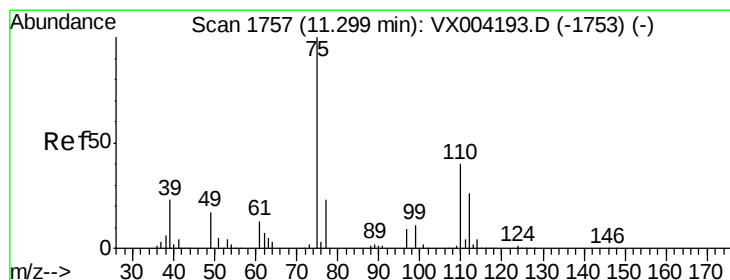
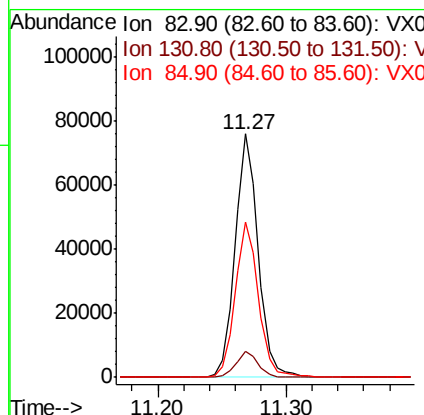
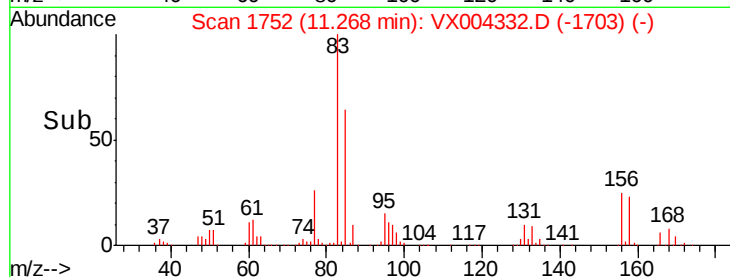
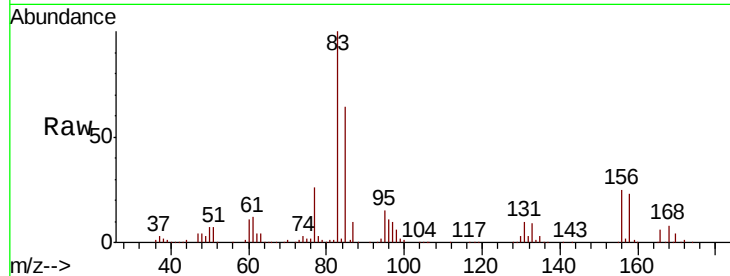
ClientSampled :

VX0831WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 94901 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.3  | 5.2   | 15.6  |
| 85        | 64.4  | 32.3  | 96.8  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 22.51 ug/l m

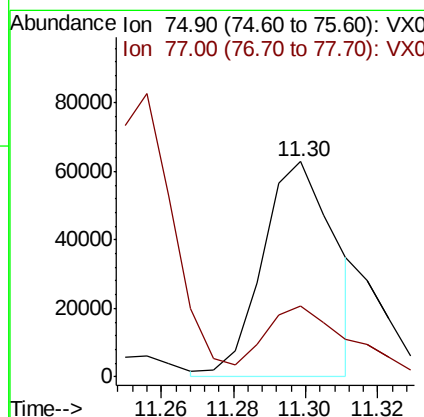
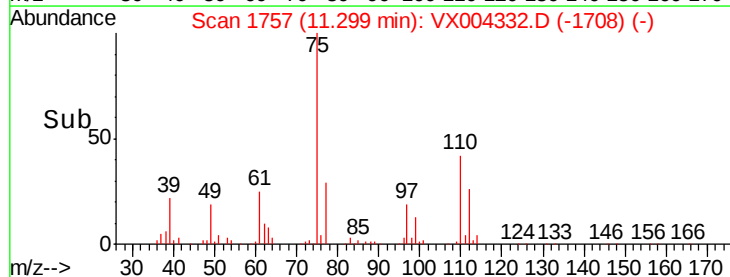
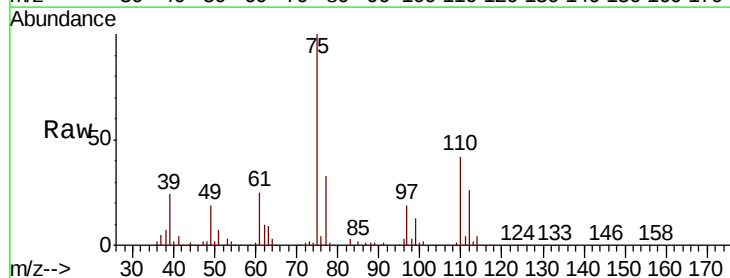
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 87171 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 38.9  | 20.2  | 60.6  |





#77

Bromobenzene

Concen: 20.59 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

ClientSampleId :

VX0831WBS01

Tot Ion:156 Resp: 72210

Ion Ratio Lower Upper

156 100

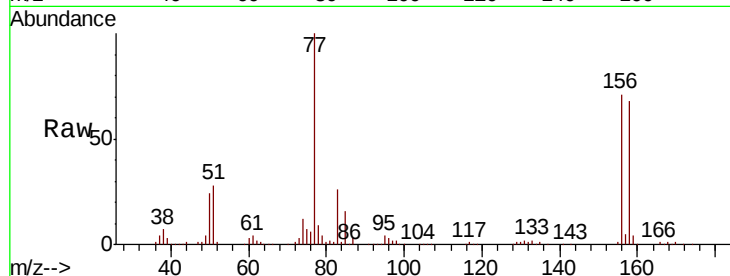
77 147.3 71.5 214.3

158 97.1 48.9 146.8

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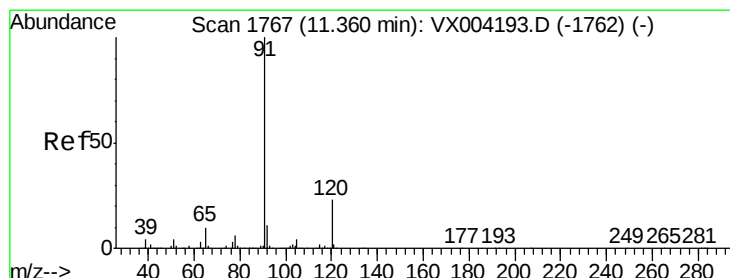
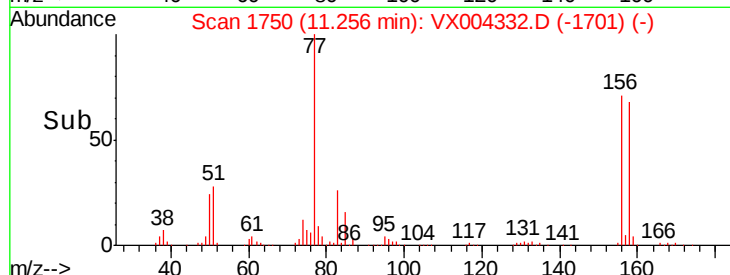
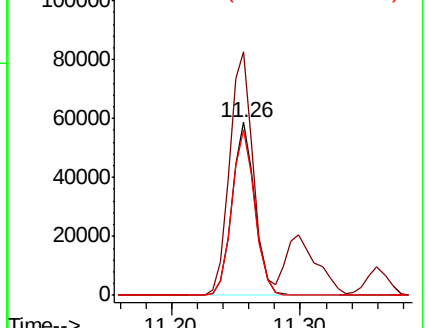
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.29 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004332.D

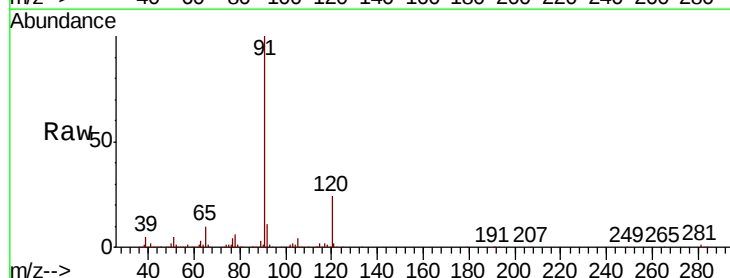
Acq: 31 Aug 2018 17:53

Tgt Ion: 91 Resp: 277479

Ion Ratio Lower Upper

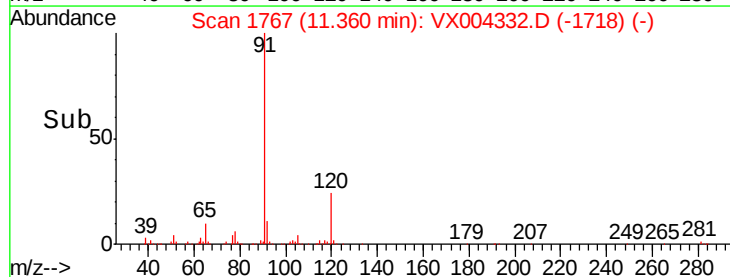
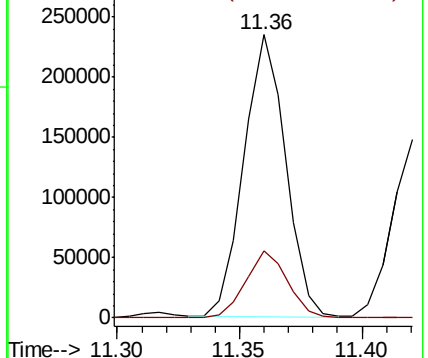
91 100

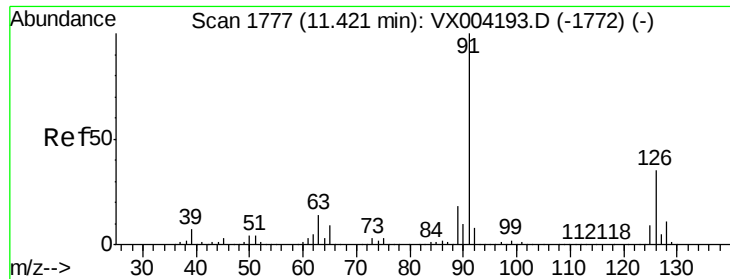
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





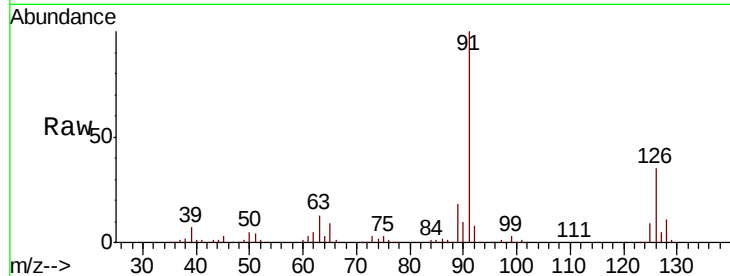
#79  
 2-Chlorotoluene  
 Concen: 20.20 ug/l  
 RT: 11.42 min Scan# 1777  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0831WBS01

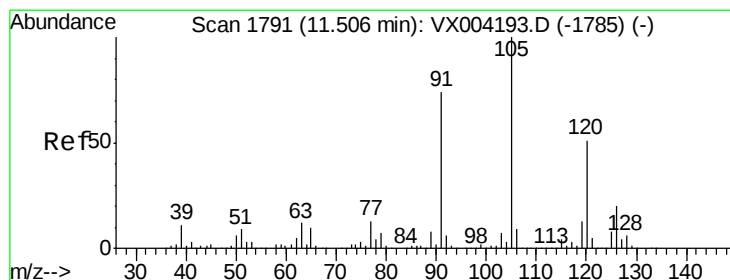
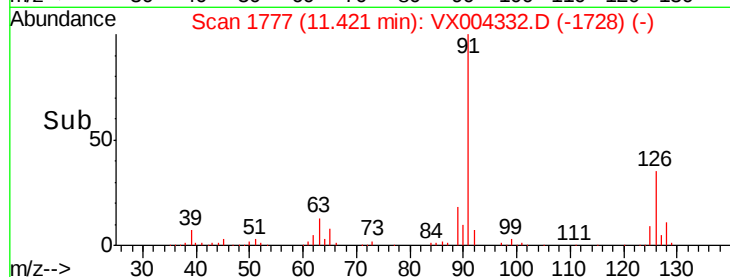
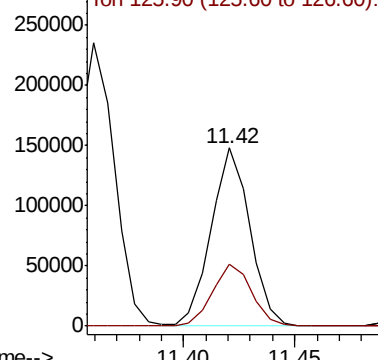
Tot Ion: 91 Resp: 178852  
 Ion Ratio Lower Upper  
 91 100  
 126 35.5 17.9 53.7

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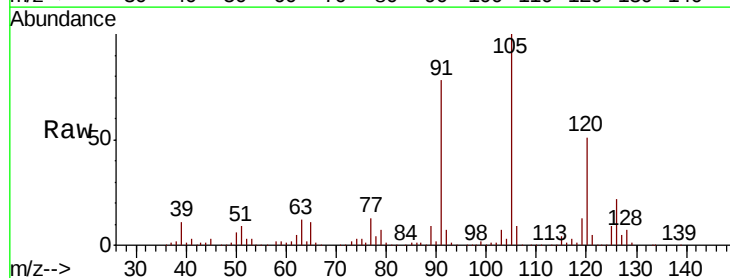


Abundance Ion 91.00 (90.70 to 91.70): VX0  
 Ion 125.90 (125.60 to 126.60): V

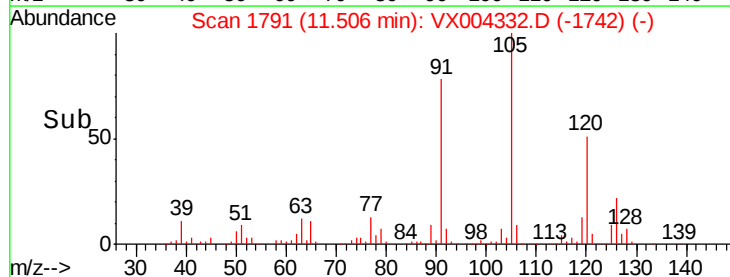
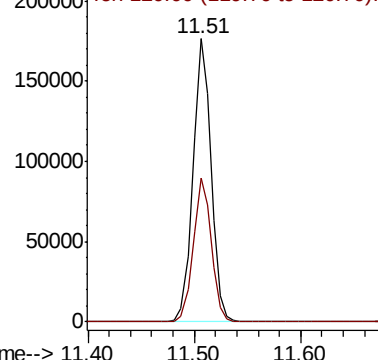


#80  
 1,3,5-Trimethylbenzene  
 Concen: 20.14 ug/l  
 RT: 11.51 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Tgt Ion:105 Resp: 208567  
 Ion Ratio Lower Upper  
 105 100  
 120 50.6 25.6 76.8



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





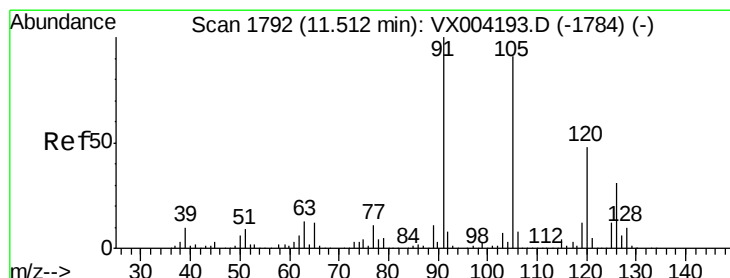
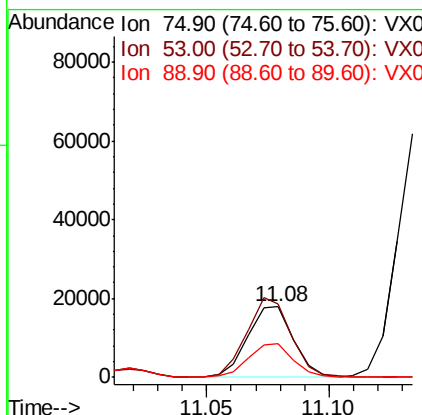
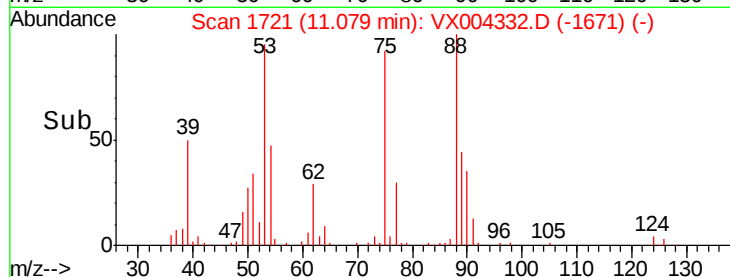
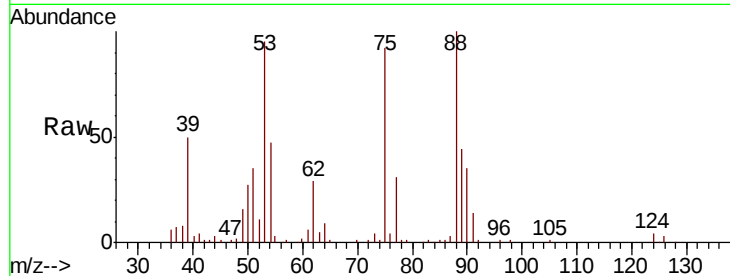
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.51 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. 0.01 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 109.9 | 80.1  | 120.1 |
| 89      | 46.7  | 37.2  | 55.8  |

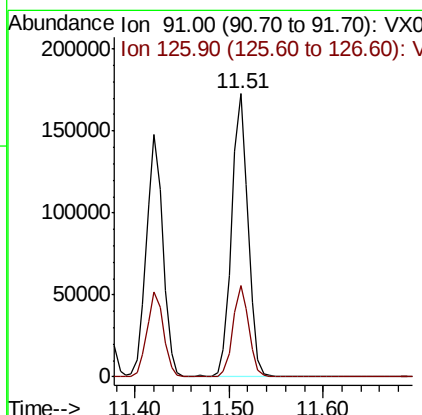
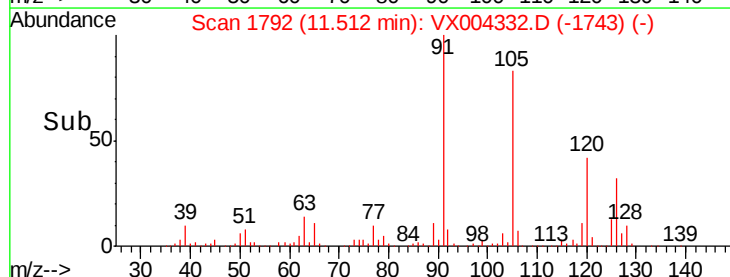
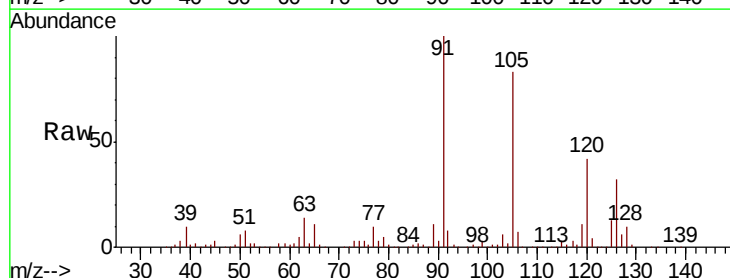
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#82  
4-Chlorotoluene  
Concen: 20.06 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 31.2  | 15.5  | 46.5  |





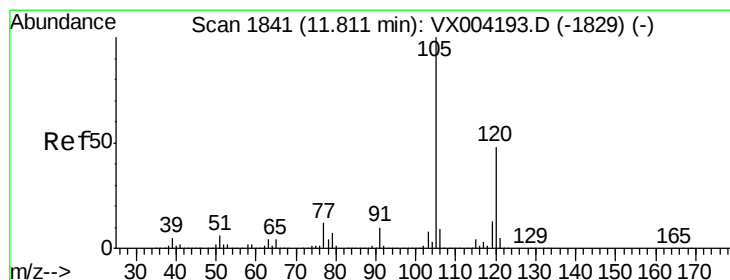
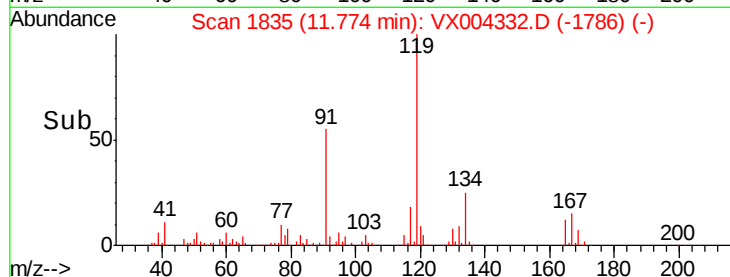
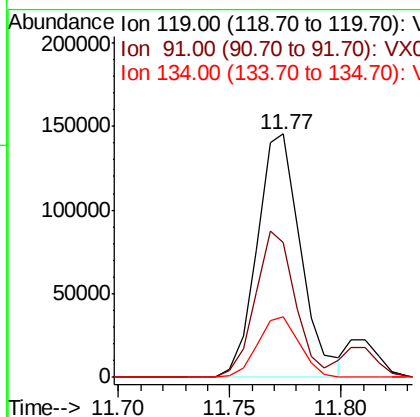
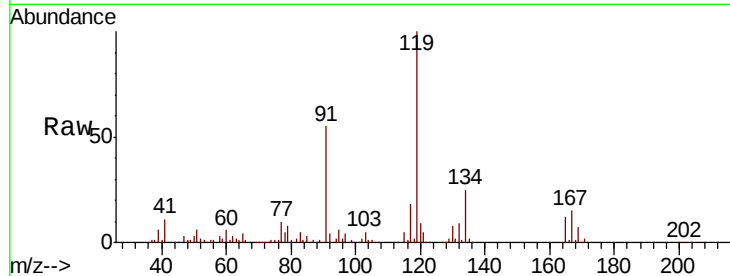
#83  
 tert-Butylbenzene  
 Concen: 19.08 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 198809 |       |       |
| 91      | 55.0  |        | 27.0  | 81.0  |
| 134     | 24.0  |        | 11.7  | 35.1  |

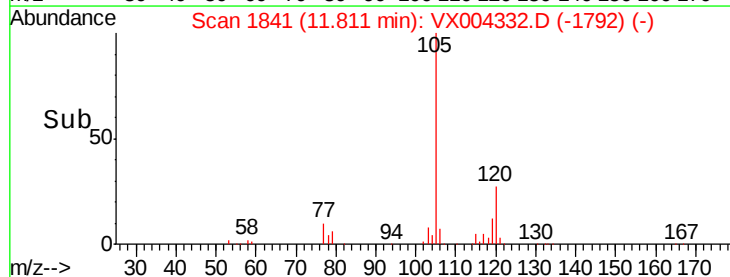
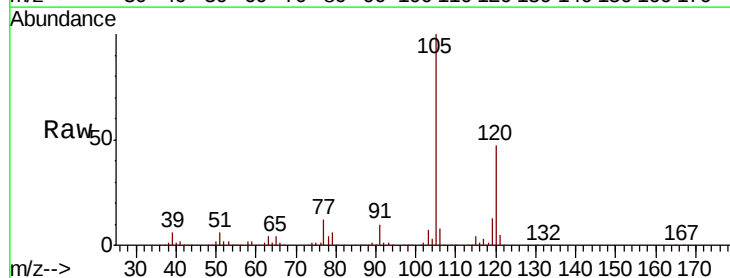
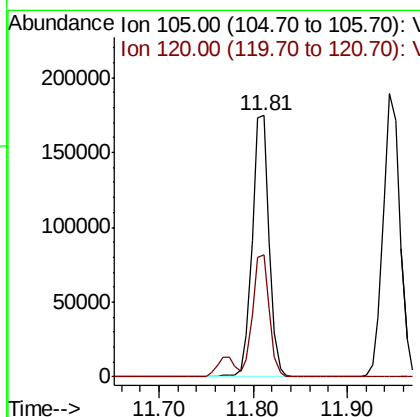
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.75 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 220537 |       |       |
| 120     | 46.1  |        | 23.2  | 69.6  |





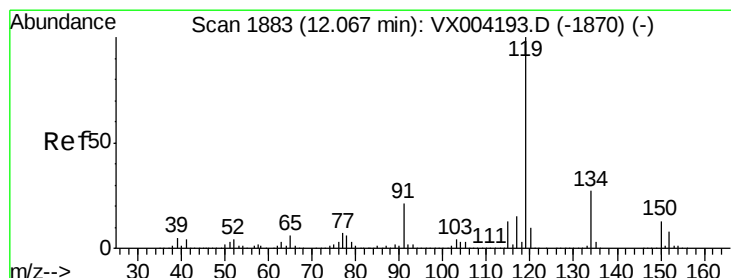
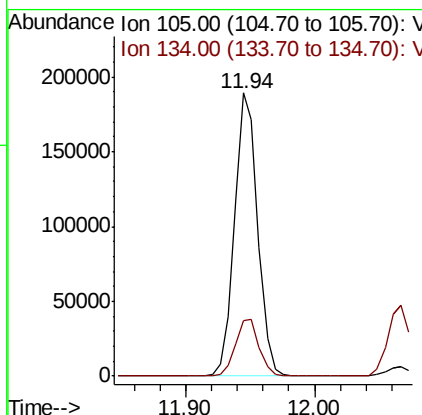
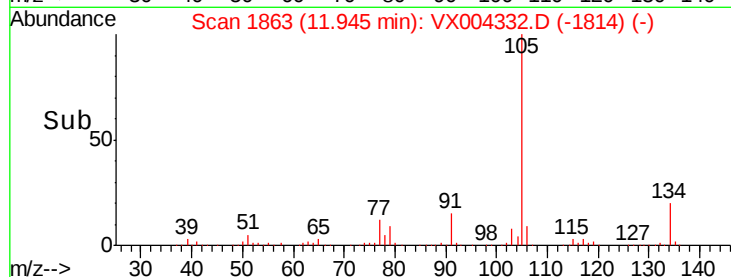
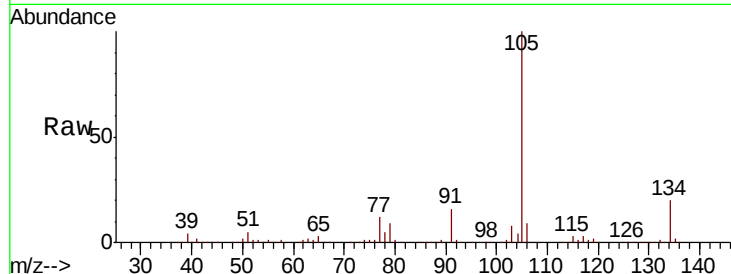
#85  
 sec-Butylbenzene  
 Concen: 19.06 ug/l  
 RT: 11.94 min Scan# 1863  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.6  | 10.5  | 31.5  |

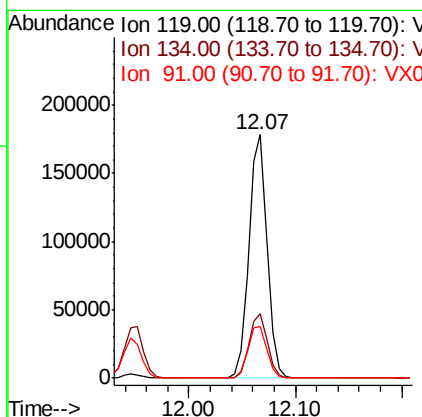
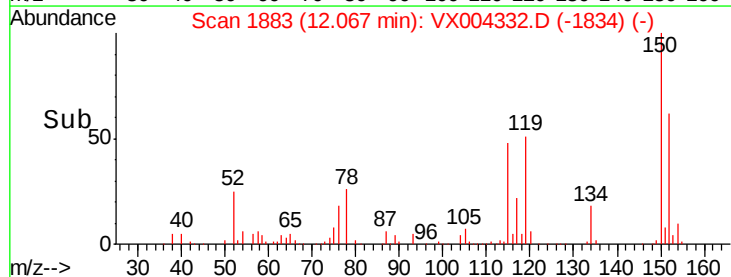
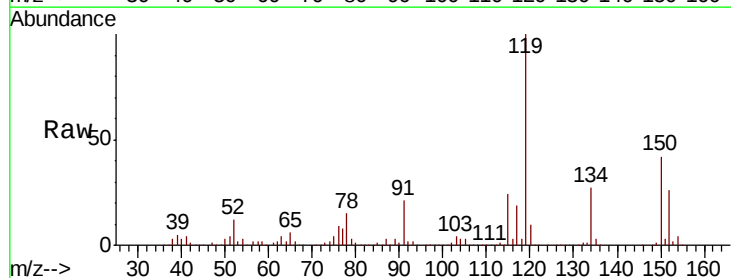
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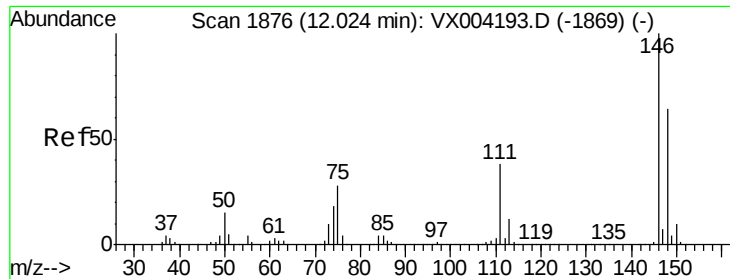
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 9/4/2018 12:10:47 PM



#86  
 p-Isopropyltoluene  
 Concen: 19.28 ug/l  
 RT: 12.07 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.5  | 13.4  | 40.2  |
| 91      | 22.3  | 10.9  | 32.7  |





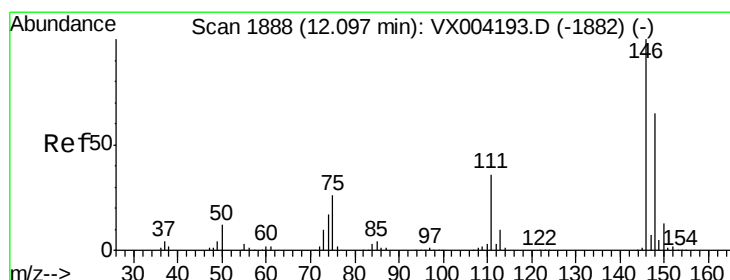
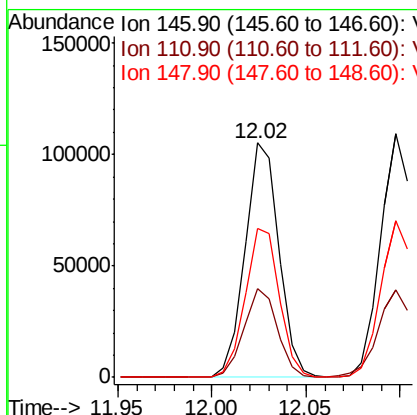
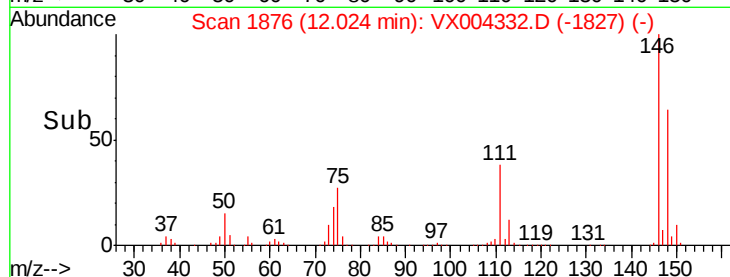
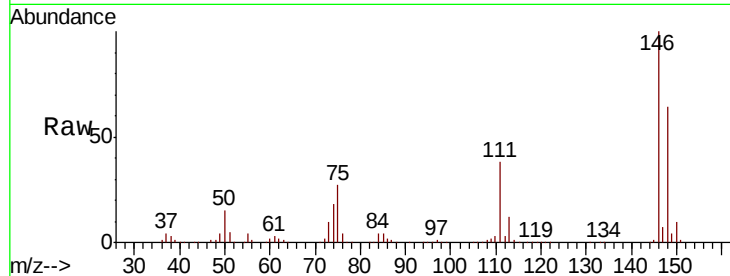
#87  
 1,3-Dichlorobenzene  
 Concen: 19.92 ug/l  
 RT: 12.02 min Scan# 1876  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 18.7  | 56.1  |
| 148     | 63.9  | 32.1  | 96.5  |

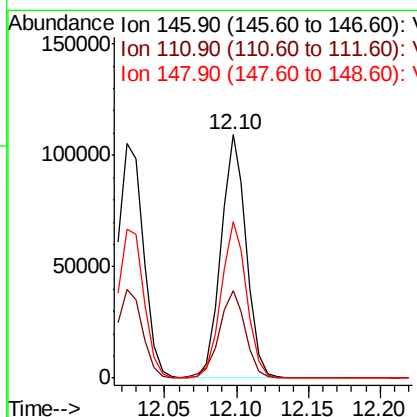
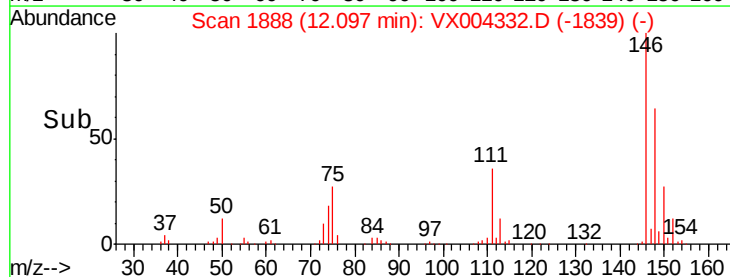
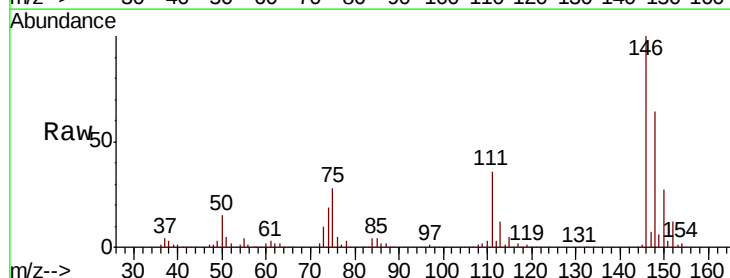
Manual Integrations  
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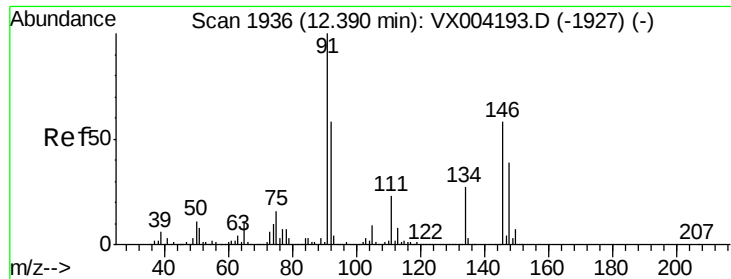
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 9/4/2018 12:10:47 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.26 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.7  | 18.1  | 54.1  |
| 148     | 65.0  | 32.0  | 96.0  |





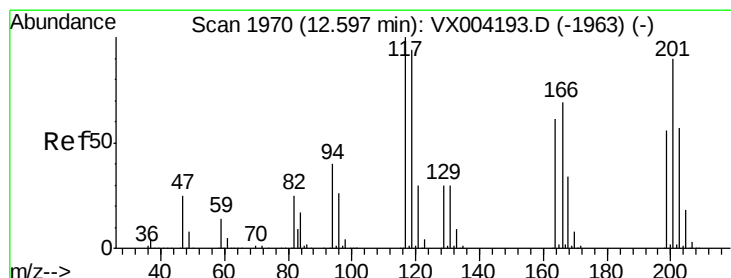
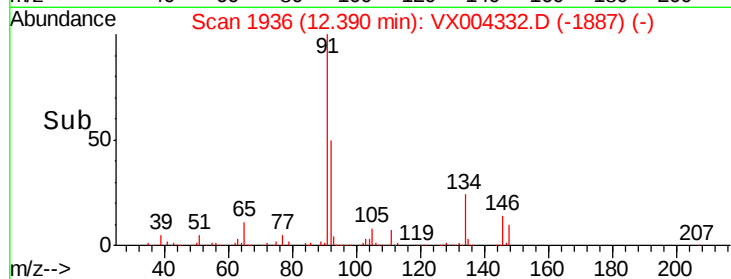
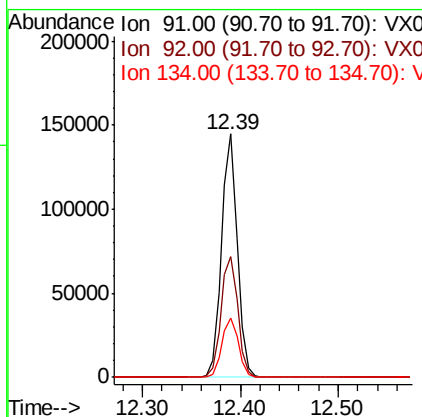
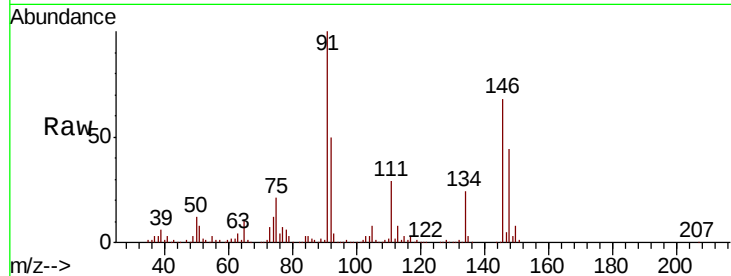
#89  
n-Butylbenzene  
Concen: 18.00 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.6  | 27.3  | 81.9  |
| 134     | 25.8  | 13.6  | 40.7  |

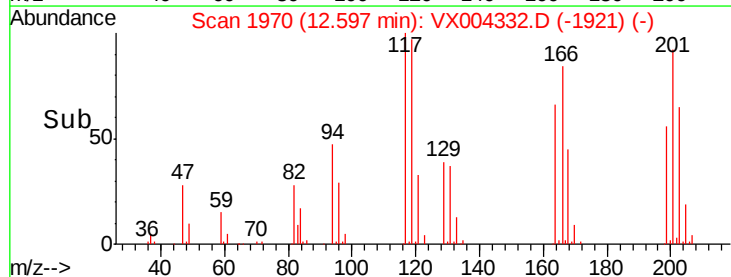
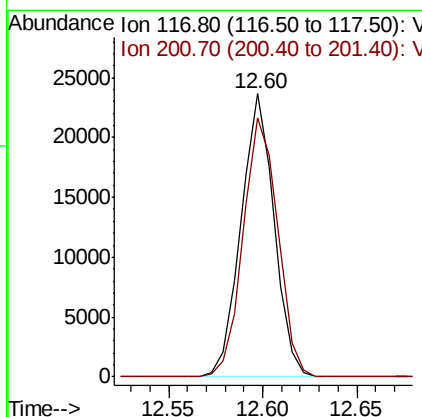
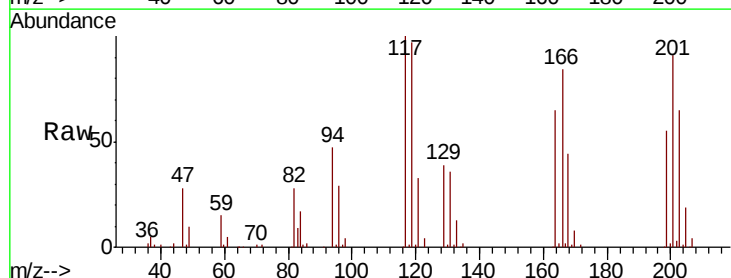
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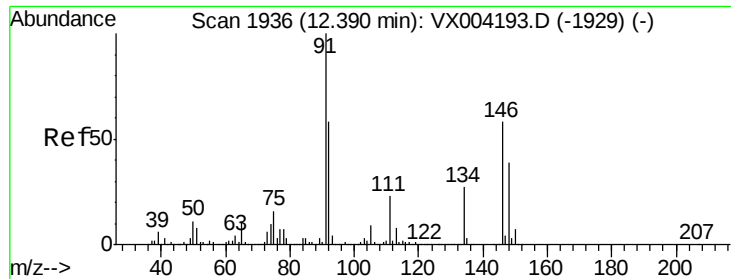
MMDadoda  
9/4/2018 12:10:47 PM



#90  
Hexachloroethane  
Concen: 18.63 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 95.6  | 46.9  | 140.6 |





#91

1,2-Dichlorobenzene

Concen: 21.06 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004332.D

Acq: 31 Aug 2018 17:53

Instrument :

MSVOA\_X

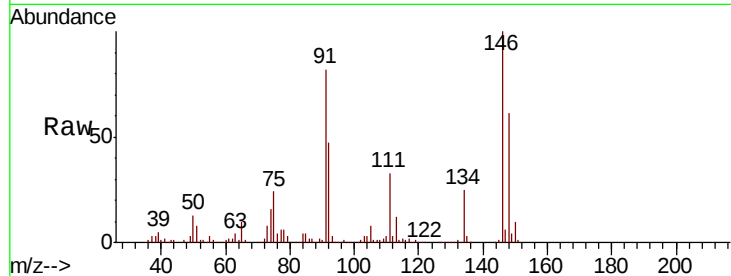
ClientSampled :

VX0831WBS01

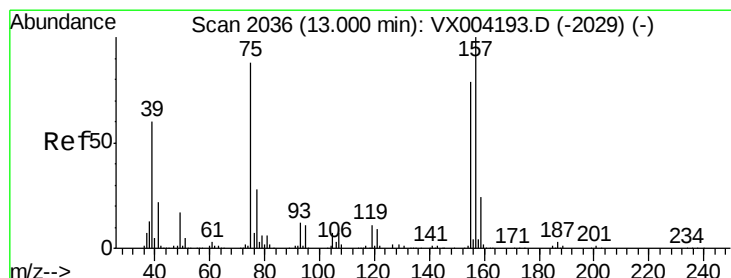
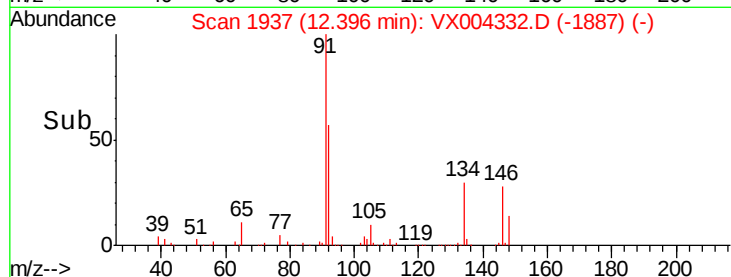
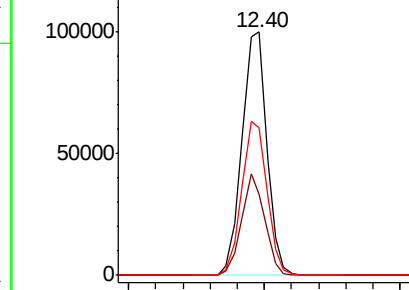
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 127139 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 38.6  | 19.4  | 58.1   |
| 148       | 64.3  | 32.8  | 98.3   |

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Abundance Ion 145.90 (145.60 to 146.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.20 ug/l

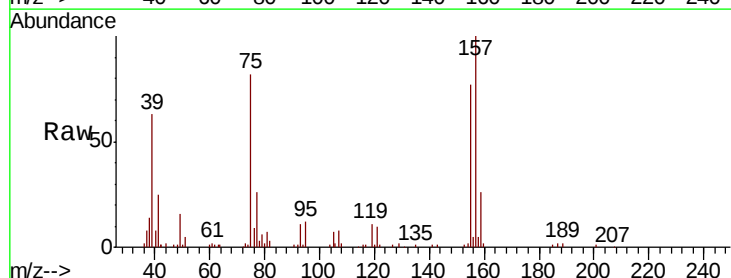
RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

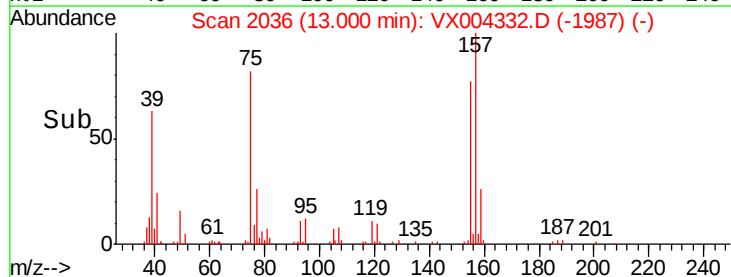
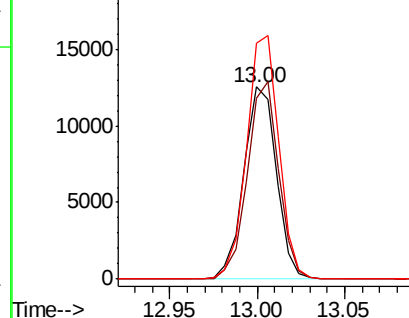
Lab File: VX004332.D

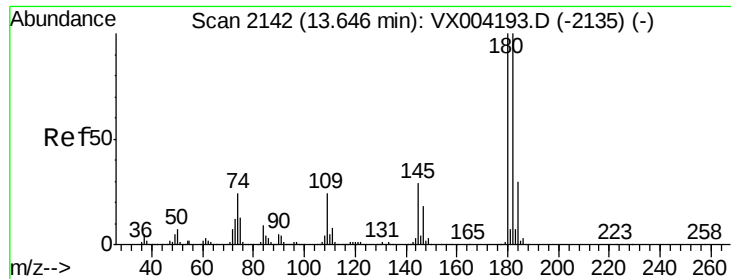
Acq: 31 Aug 2018 17:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 16339 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 98.4  | 48.0  | 144.2 |
| 157       | 124.8 | 61.4  | 184.1 |



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 154.80 (154.50 to 155.50): V  
Ion 156.80 (156.50 to 157.50): V





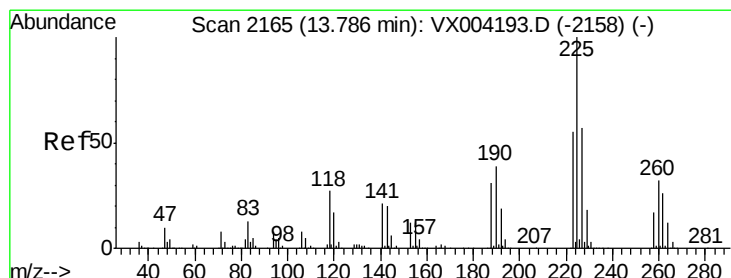
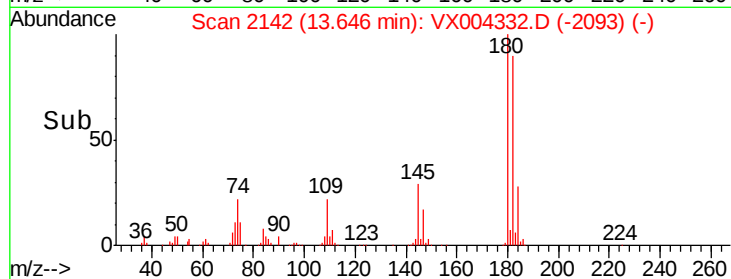
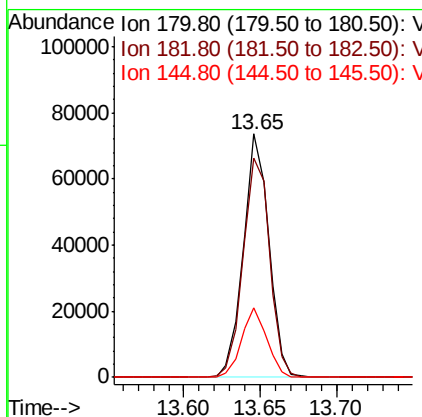
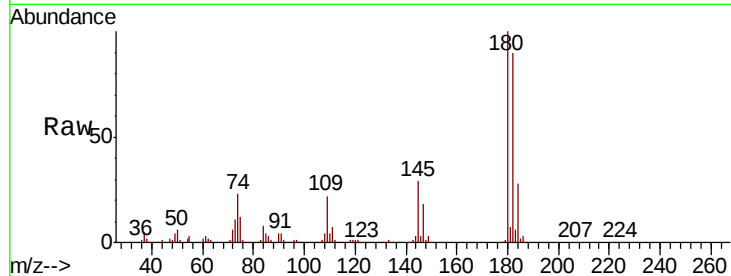
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.35 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VX0831WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 84999 |       |       |
| 182     | 93.9  | 48.4  | 145.0 |       |
| 145     | 28.1  | 14.3  | 42.9  |       |

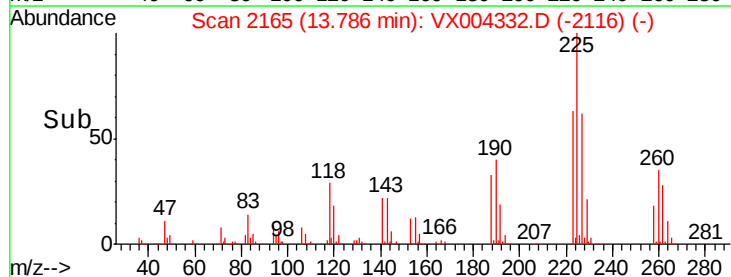
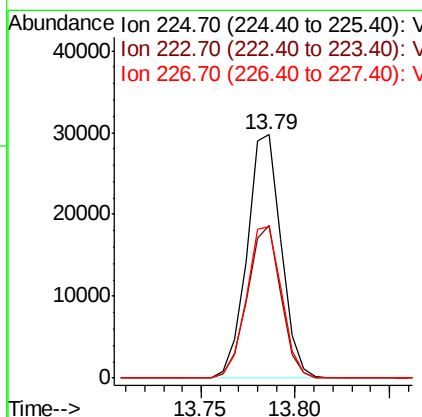
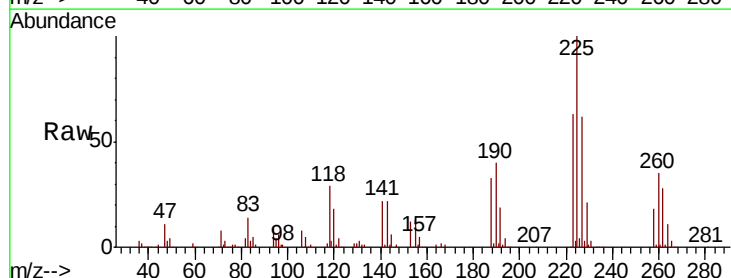
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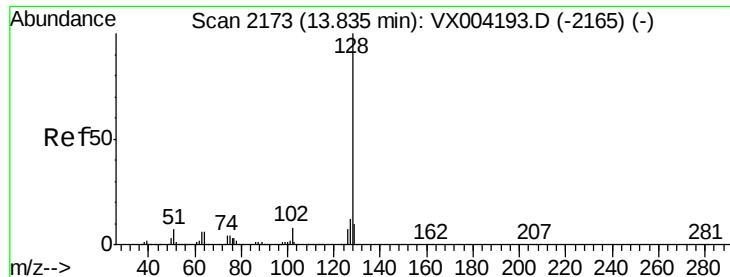
MMDadoda  
 9/4/2018 12:10:47 PM



#94  
 Hexachlorobutadiene  
 Concen: 18.19 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX004332.D  
 Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 37346 |       |       |
| 223     | 61.5  | 30.1  | 90.5  |       |
| 227     | 63.5  | 30.8  | 92.4  |       |





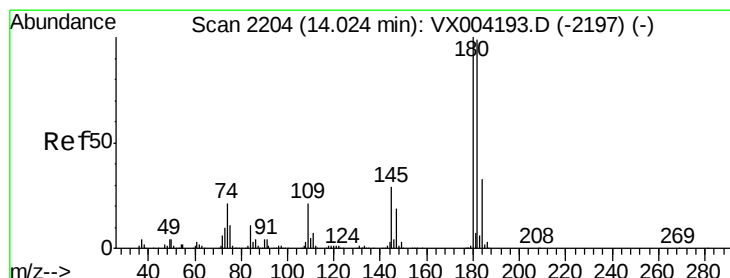
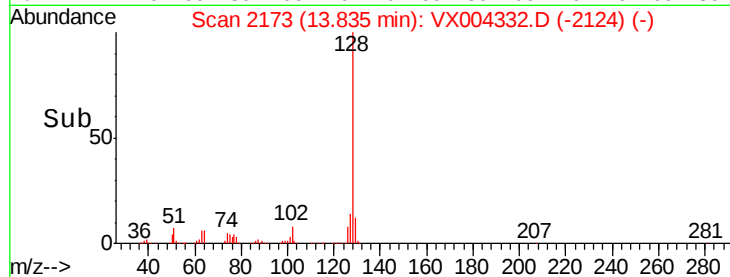
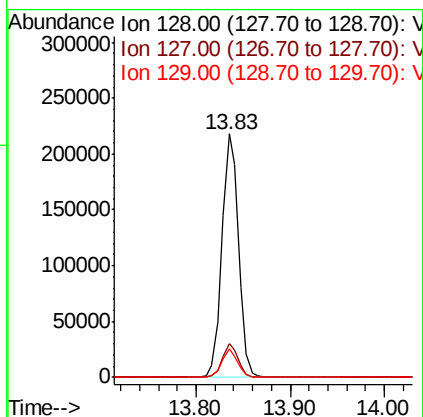
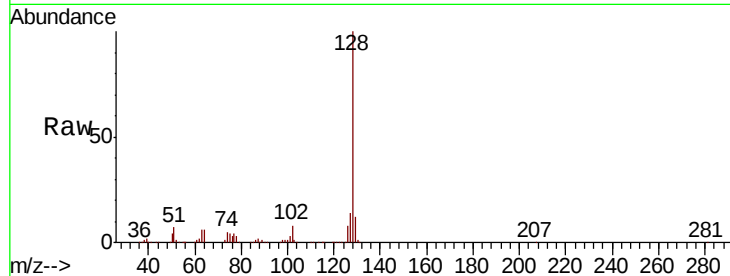
#95  
Naphthalene  
Concen: 21.42 ug/l  
RT: 13.83 min Scan# 2173  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0831WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 266100 |       |       |
| 127     | 13.2  |        | 10.2  | 15.2  |
| 129     | 11.0  |        | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 20.26 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: VX004332.D  
Acq: 31 Aug 2018 17:53

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 94181 |       |       |
| 182     | 96.5  |       | 48.5  | 145.6 |
| 145     | 29.7  |       | 14.9  | 44.9  |

