

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\  
 Data File : VX004111.D  
 Acq On : 16 Aug 2018 09:20  
 Operator : JC/MD  
 Sample : J4495-04MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

Manual Integrations  
 APPROVED

MMDadoda  
 8/16/2018 4:40:22 PM

Quant Time: Aug 16 14:21:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 13:27:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 288897   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 443117   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 416207   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 256361   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 213693   | 52.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.00% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 175944   | 53.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.10% |      |
| 50) Toluene-d8            | 8.72   | 98  | 684976   | 50.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.88% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 250343   | 51.33 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.66% |      |

## Target Compounds

|                               |      |     |         |        |        | Qvalue |
|-------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 136134  | 48.41  | ug/l   | 98     |
| 3) Chloromethane              | 1.32 | 50  | 167926  | 48.66  | ug/l   | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 190297  | 50.96  | ug/l   | 99     |
| 5) Bromomethane               | 1.64 | 94  | 103636  | 54.79  | ug/l   | 100    |
| 6) Chloroethane               | 1.72 | 64  | 128815  | 52.54  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 251454  | 48.01  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.18 | 74  | 115230  | 50.39  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 151743  | 46.44  | ug/l   | 100    |
| 10) Methyl Iodide             | 2.51 | 142 | 180993  | 51.67  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 3.04 | 59  | 178637  | 217.94 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 2.38 | 96  | 149519  | 49.20  | ug/l   | 96     |
| 13) Acrolein                  | 2.29 | 56  | 113594  | 206.26 | ug/l   | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 257852  | 44.59  | ug/l   | 96     |
| 15) Acrylonitrile             | 3.14 | 53  | 500546  | 244.92 | ug/l   | 100    |
| 16) Acetone                   | 2.43 | 43  | 507721  | 239.91 | ug/l   | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 416777  | 48.35  | ug/l   | 100    |
| 18) Methyl Acetate            | 2.77 | 43  | 232747  | 49.49  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 552055  | 51.56  | ug/l   | 100    |
| 20) Methylene Chloride        | 2.86 | 84  | 180316  | 52.16  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 167176  | 48.44  | ug/l   | 99     |
| 22) Diisopropyl ether         | 3.86 | 45  | 602989  | 53.21  | ug/l # | 89     |
| 23) Vinyl Acetate             | 3.82 | 43  | 2496605 | 268.25 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 335424  | 52.26  | ug/l   | 100    |
| 25) 2-Butanone                | 4.70 | 43  | 833160  | 241.96 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 106659  | 20.90  | ug/l   | 92     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 209611  | 54.01  | ug/l   | 92     |
| 28) Bromochloromethane        | 5.02 | 49  | 161044  | 54.69  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 430364  | 244.63 | ug/l   | 99     |
| 30) Chloroform                | 5.21 | 83  | 328842  | 52.50  | ug/l   | 98     |
| 31) Cyclohexane               | 5.57 | 56  | 273247  | 48.56  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 271649  | 51.90  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 242293  | 48.05  | ug/l   | 100    |
| 37) Ethyl Acetate             | 4.85 | 43  | 254600  | 46.37  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 239762  | 48.94  | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\  
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 Acq On : 16 Aug 2018 09:20  
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 Sample : J4495-04MSD  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

Manual Integrations  
 APPROVED

MMDadoda  
 8/16/2018 4:40:22 PM

Quant Time: Aug 16 14:21:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 13:27:25 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 266605   | 46.61  | ug/l  | 99       |
| 40) Benzene                    | 6.14  | 78   | 751478   | 49.63  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 142352   | 46.29  | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 262488   | 49.53  | ug/l  | 100      |
| 43) Isopropyl Acetate          | 6.46  | 43   | 395181   | 48.83  | ug/l  | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 197933   | 48.15  | ug/l  | 92       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 195205   | 50.36  | ug/l  | 99       |
| 46) Dibromomethane             | 7.67  | 93   | 127435   | 50.31  | ug/l  | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 244951   | 51.06  | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.78  | 41   | 208842   | 51.26  | ug/l  | 97       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 76101    | 829.62 | ug/l  | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1697791  | 255.83 | ug/l  | 100      |
| 52) Toluene                    | 8.79  | 92   | 483163   | 50.46  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 240376   | 46.38  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 254522   | 44.35  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 194990   | 49.31  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 288821   | 53.71  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 329303   | 50.19  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.50  | 43   | 1287983  | 257.87 | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 195998   | 51.51  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 202839   | 50.32  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 181804   | 46.09  | ug/l  | 95       |
| 65) Chlorobenzene              | 10.14 | 112  | 519282   | 48.30  | ug/l  | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 186918   | 50.98  | ug/l  | 100      |
| 67) Ethyl Benzene              | 10.26 | 91   | 890018   | 52.28  | ug/l  | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 659248   | 98.89  | ug/l  | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 336541   | 52.82  | ug/l  | 95       |
| 70) Styrene                    | 10.71 | 104  | 555860   | 51.84  | ug/l  | 98       |
| 71) Bromoform                  | 10.86 | 173  | 151727   | 52.18  | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 914515   | 52.71  | ug/l  | 97       |
| 74) N-amyl acetate             | 6.46  | 43   | 395181   | 48.43  | ug/l  | # 99     |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 303455   | 50.09  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 263576m  | 51.27  | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 243576   | 50.93  | ug/l  | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 975555   | 50.25  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 586320   | 49.56  | ug/l  | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 743811   | 52.36  | ug/l  | 95       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 66258    | 39.89  | ug/l  | 98       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 689291   | 49.29  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 733064   | 51.18  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 762041   | 51.80  | ug/l  | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 855801   | 51.05  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 796908   | 52.51  | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 436498   | 47.86  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 440855   | 46.96  | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 607648   | 50.81  | ug/l  | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 110106   | 48.49  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 409985   | 49.84  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 52923    | 49.70  | ug/l  | 97       |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 288789   | 51.36  | ug/l  | 99       |

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Operator : JC/MD  
Sample : J4495-04MSD  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

Manual Integrations  
APPROVED

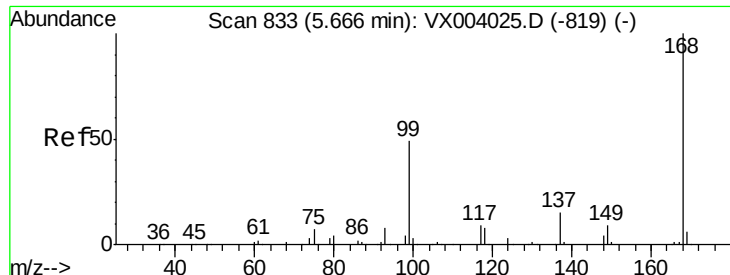
MMDadoda  
8/16/2018 4:40:22 PM

Quant Time: Aug 16 14:21:14 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 14 13:27:25 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 94) Hexachlorobutadiene    | 13.78 | 225  | 125876   | 44.66 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 942703   | 52.53 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 308745   | 50.35 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW504-180814MSD

Tot Ion:168 Resp: 288897

Ion Ratio Lower Upper

168 100

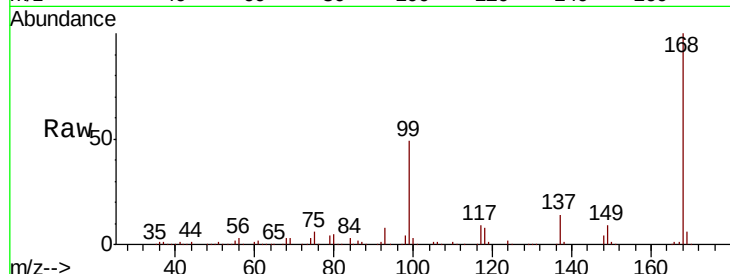
99 49.2 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

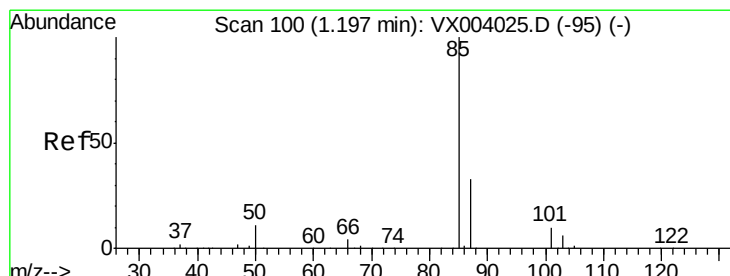
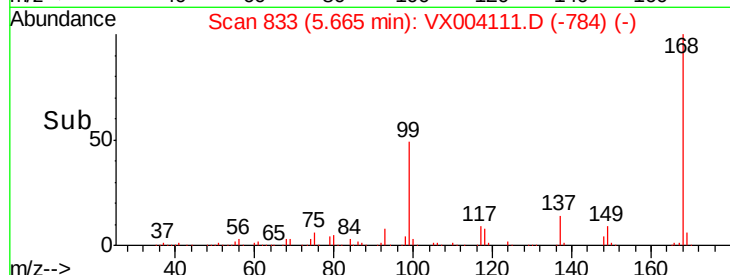
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.41 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004111.D

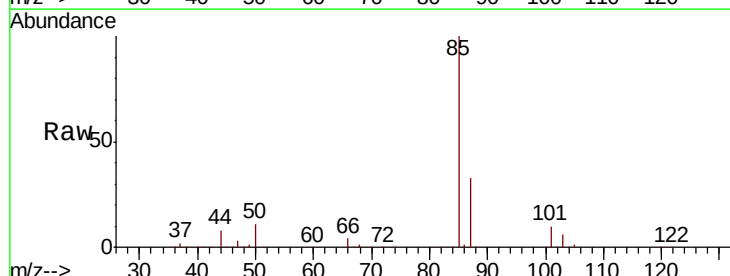
Acq: 16 Aug 2018 09:20

Tgt Ion: 85 Resp: 136134

Ion Ratio Lower Upper

85 100

87 33.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

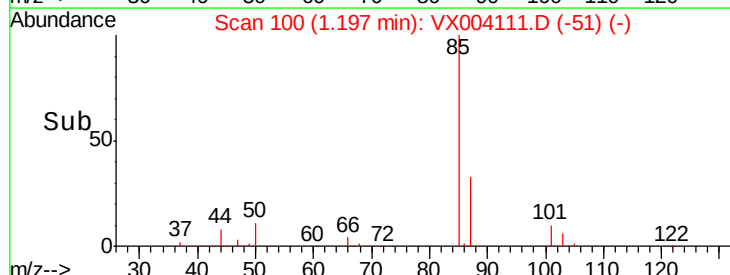
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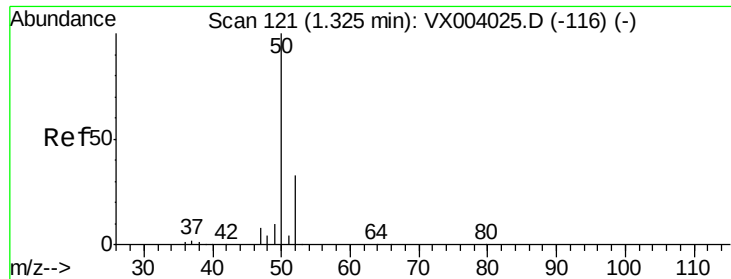
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.66 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW504-180814MSD

Tot Ion: 50 Resp: 167926

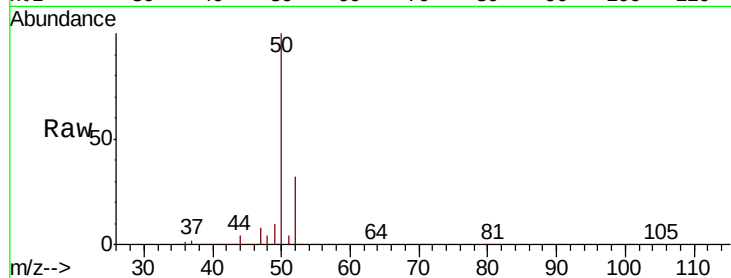
Ion Ratio Lower Upper

50 100

52 32.0 26.6 39.8

Manual Integrations  
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

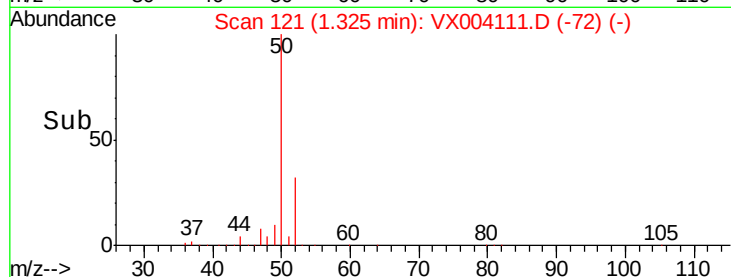
150000

100000

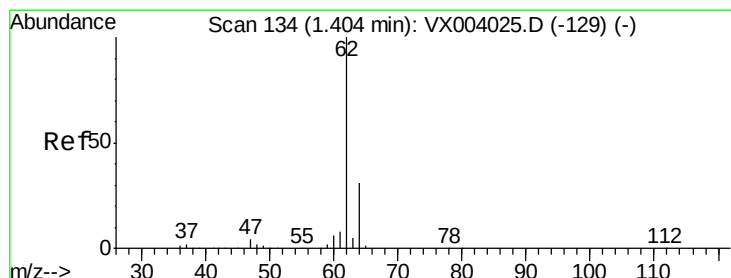
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 50.96 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004111.D

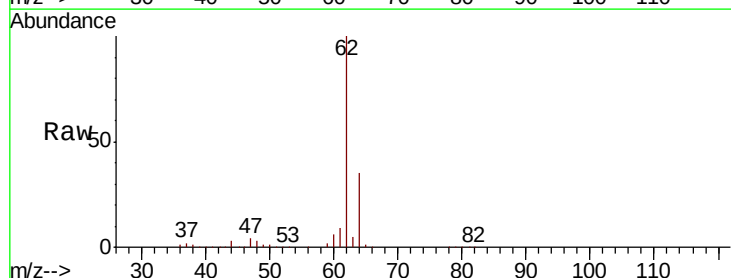
Acq: 16 Aug 2018 09:20

Tgt Ion: 62 Resp: 190297

Ion Ratio Lower Upper

62 100

64 33.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

200000

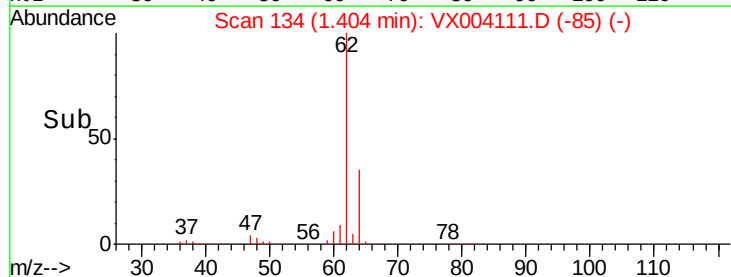
150000

100000

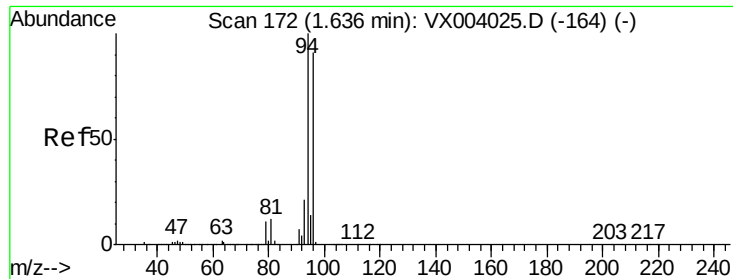
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 54.79 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW504-180814MSD

Tot Ion: 94 Resp: 103636

Ion Ratio Lower Upper

94 100

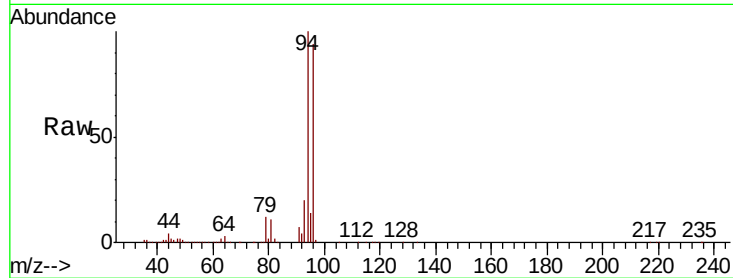
96 93.8 75.2 112.8

Manual Integrations

APPROVED

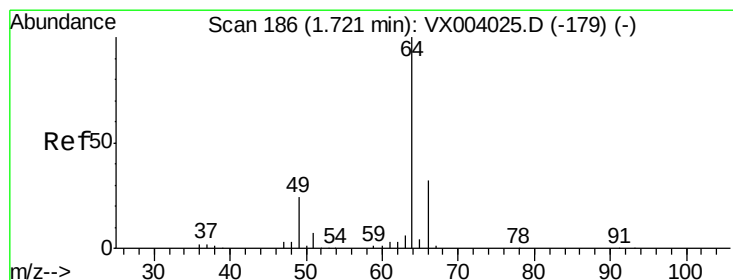
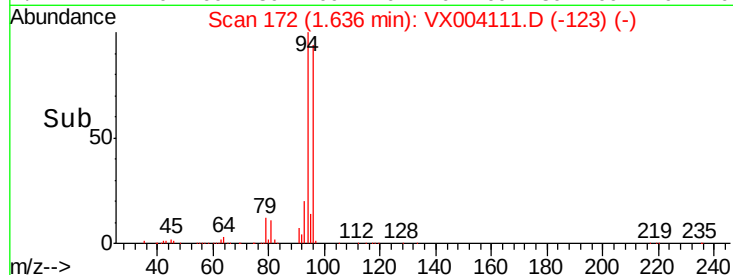
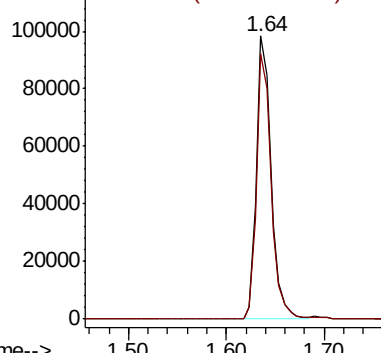
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.54 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX004111.D

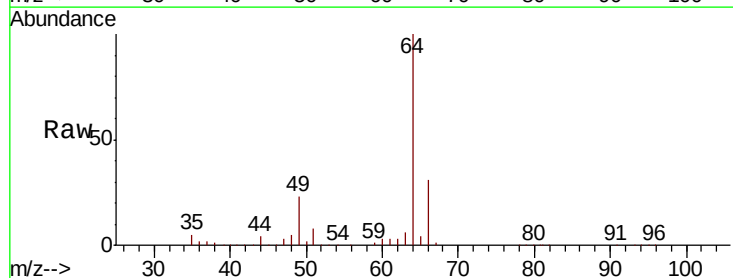
Acq: 16 Aug 2018 09:20

Tgt Ion: 64 Resp: 128815

Ion Ratio Lower Upper

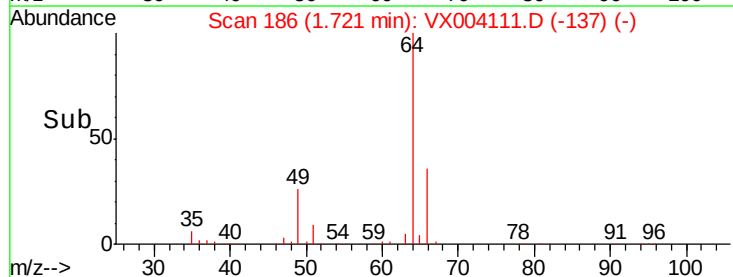
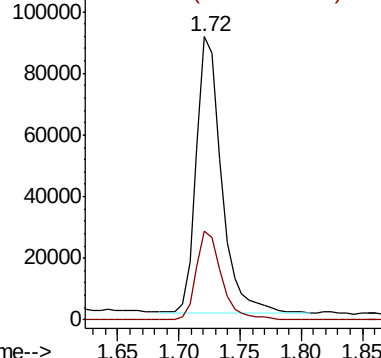
64 100

66 31.9 26.5 39.7

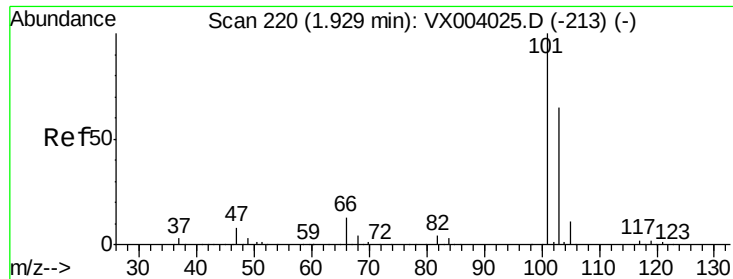


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0







#7

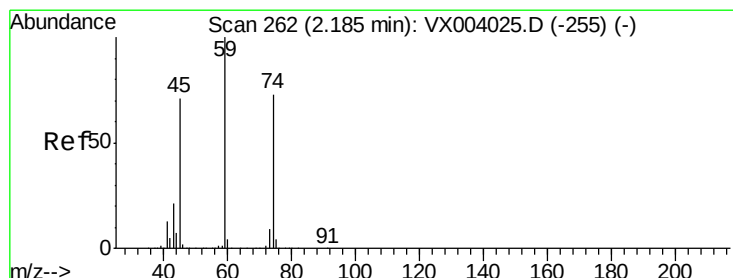
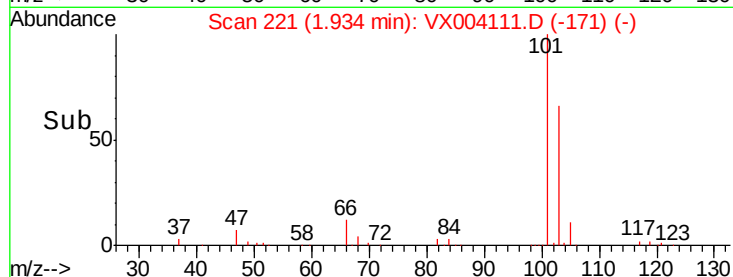
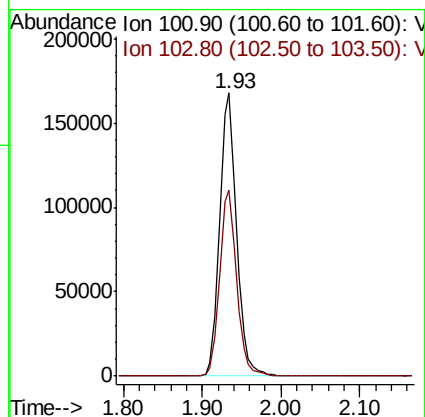
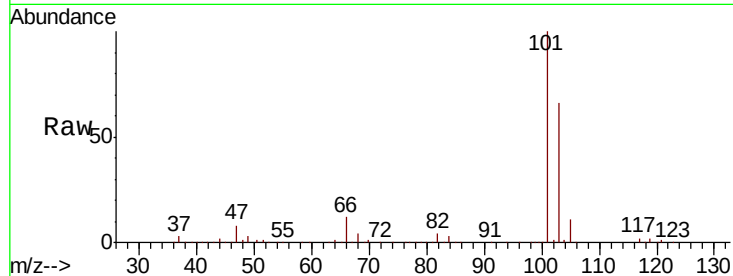
Trichlorofluoromethane  
Concen: 48.01 ug/l  
RT: 1.93 min Scan# 221  
Delta R.T. 0.01 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

Tot Ion:101 Resp: 251454  
Ion Ratio Lower Upper  
101 100  
103 66.0 52.3 78.5

Manual Integrations  
APPROVED

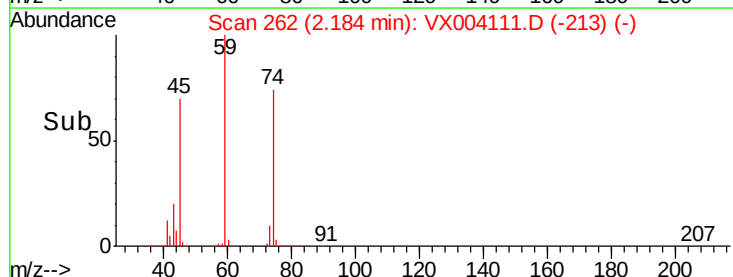
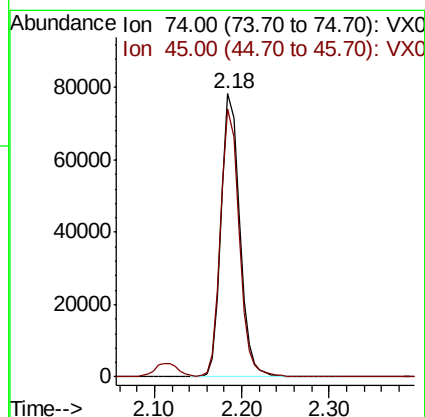
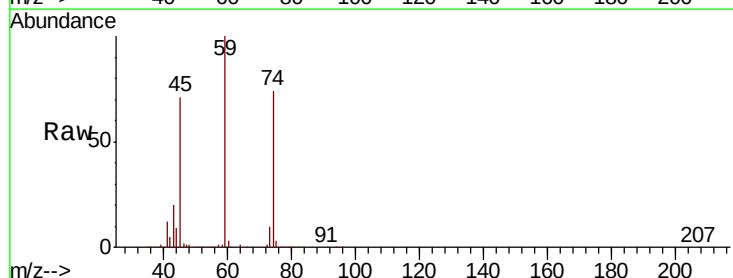
MMDadoda  
8/16/2018 4:40:22 PM



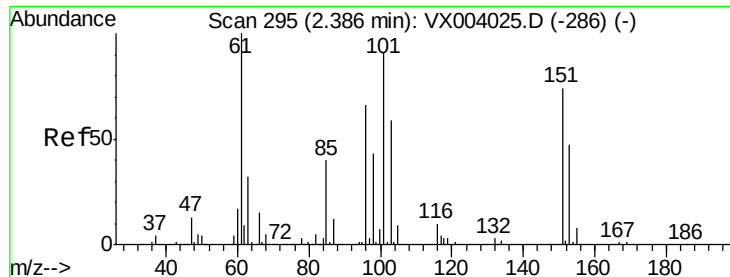
#8

Diethyl Ether  
Concen: 50.39 ug/l  
RT: 2.18 min Scan# 262  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Tgt Ion: 74 Resp: 115230  
Ion Ratio Lower Upper  
74 100  
45 94.4 48.3 144.9







#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.44 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

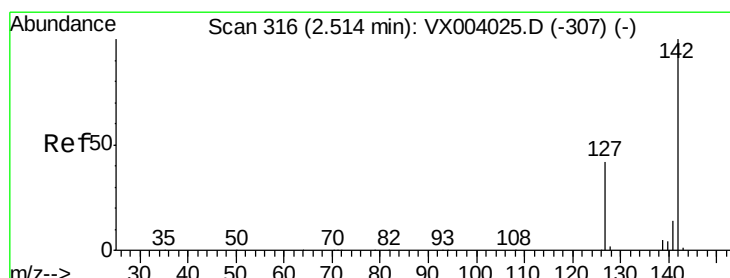
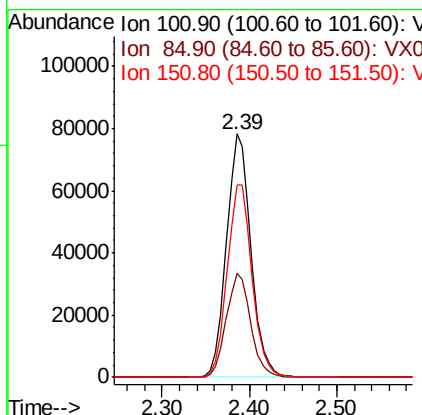
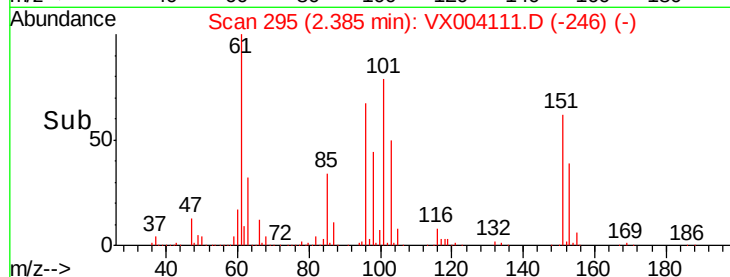
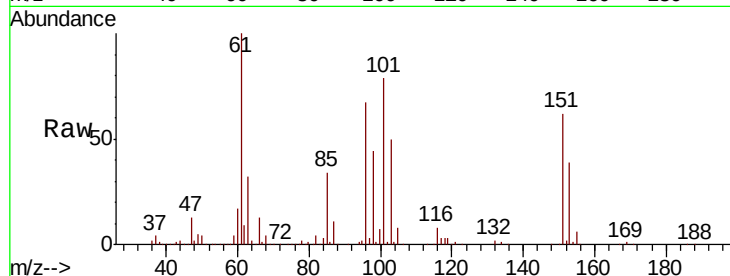
ClientSampleId :

SS050MW504-180814MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 151743 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.7  | 34.2  | 51.4   |
| 151       | 81.1  | 65.0  | 97.4   |

Manual Integrations  
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8/16/2018 4:40:22 PM



#10

Methyl Iodide

Concen: 51.67 ug/l

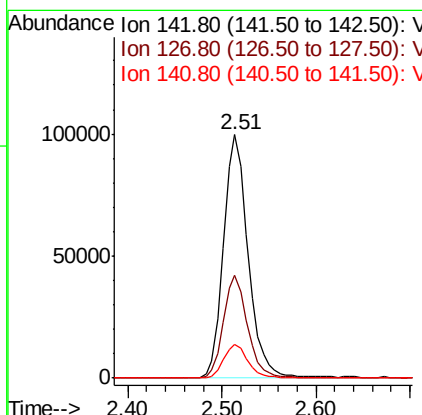
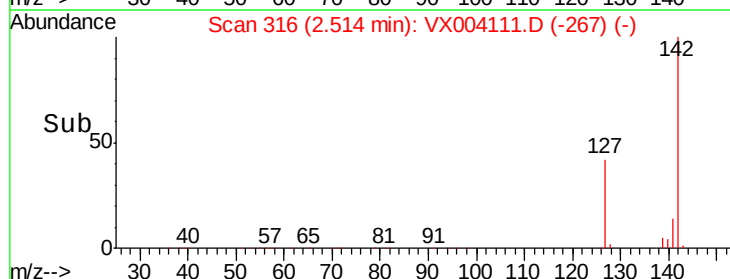
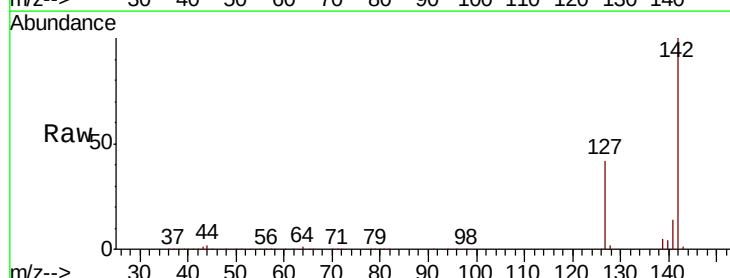
RT: 2.51 min Scan# 316

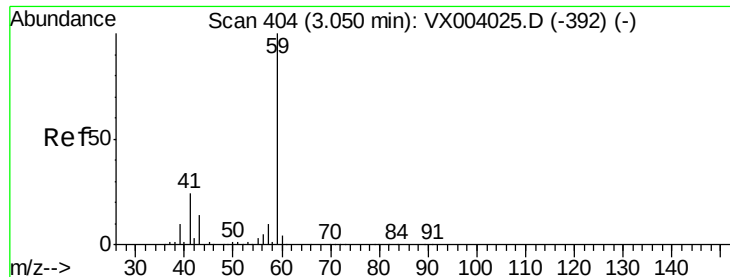
Delta R.T. 0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 180993 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.6  | 33.1  | 49.7   |
| 141       | 14.0  | 11.1  | 16.7   |





#11

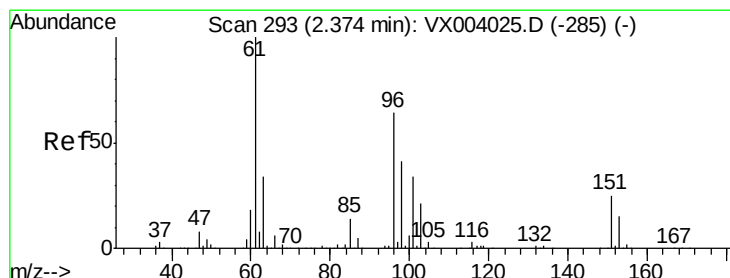
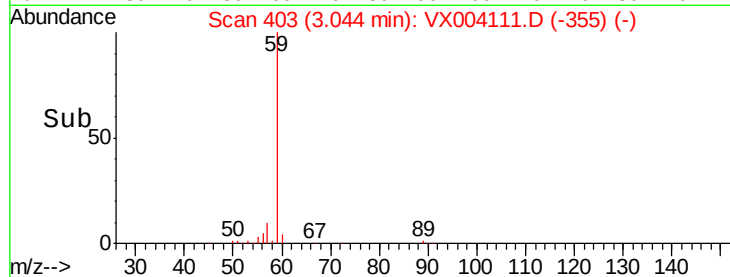
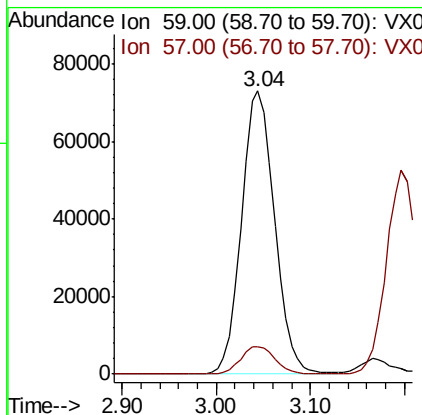
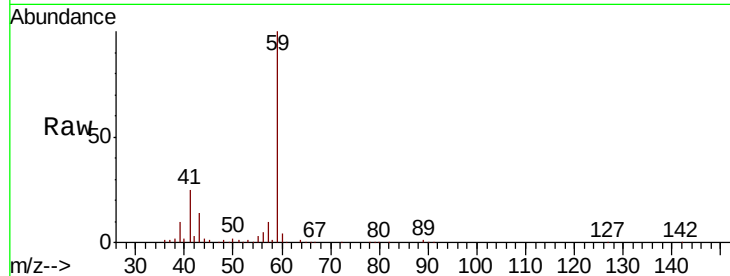
Tert butyl alcohol  
 Concen: 217.94 ug/l  
 RT: 3.04 min Scan# 403  
 Delta R.T. -0.01 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.2  | 8.1   | 12.1  |

Manual Integrations  
 APPROVED

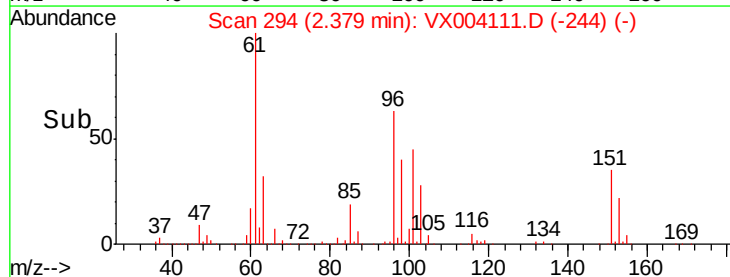
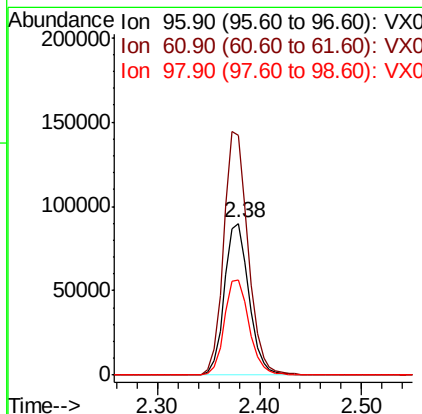
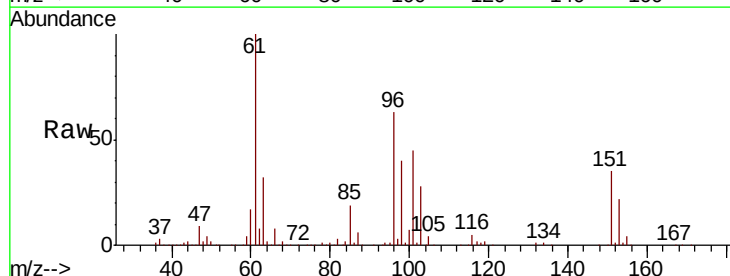
MMDadoda  
 8/16/2018 4:40:22 PM

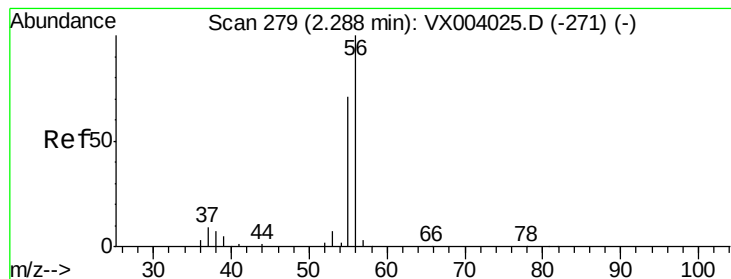


#12

1,1-Dichloroethene  
 Concen: 49.20 ug/l  
 RT: 2.38 min Scan# 294  
 Delta R.T. 0.01 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 158.0 | 131.3 | 196.9 |
| 98      | 63.1  | 51.8  | 77.6  |





#13

Acrolein

Concen: 206.26 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW504-180814MSD

Tot Ion: 56 Resp: 113594

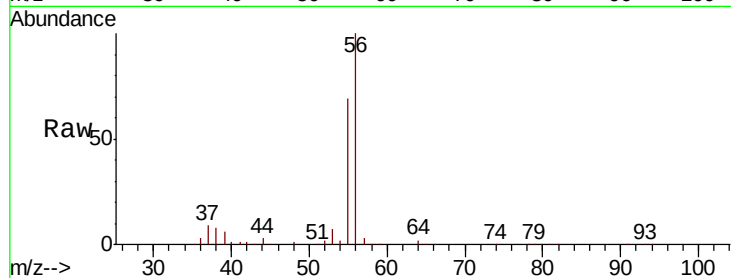
Ion Ratio Lower Upper

56 100

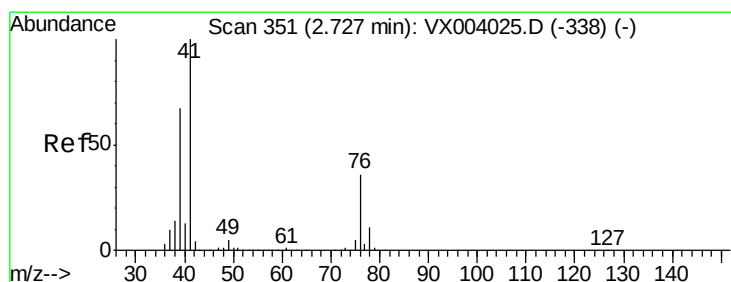
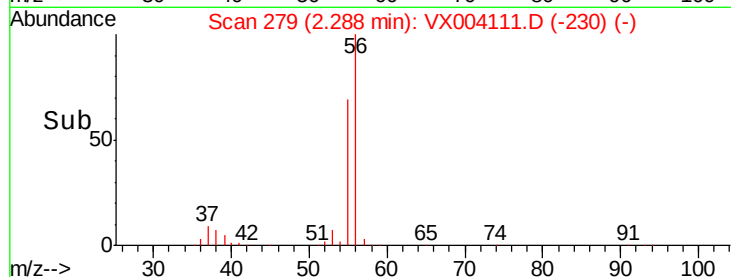
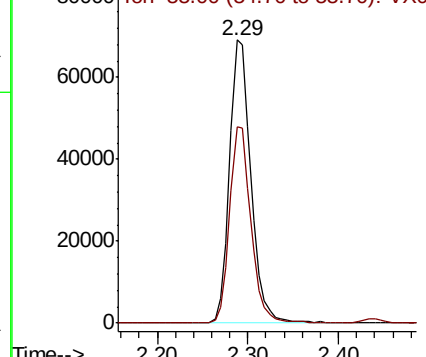
55 69.3 56.1 84.1

Manual Integrations  
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8/16/2018 4:40:22 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 44.59 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

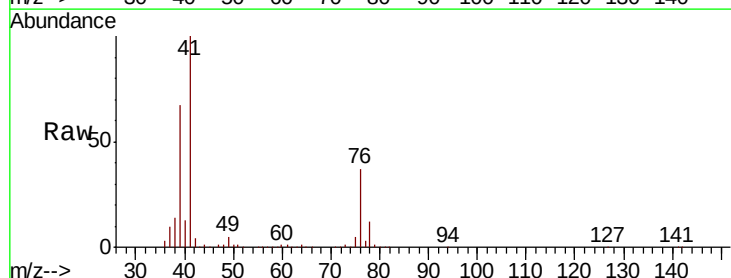
Tgt Ion: 41 Resp: 257852

Ion Ratio Lower Upper

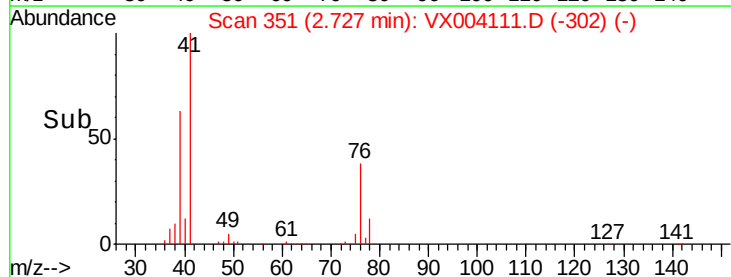
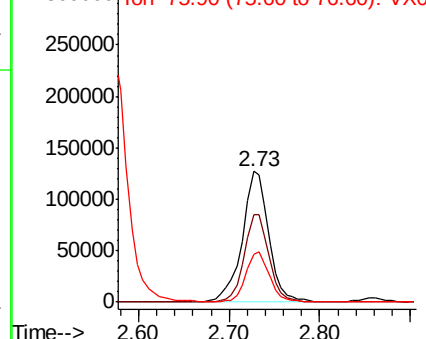
41 100

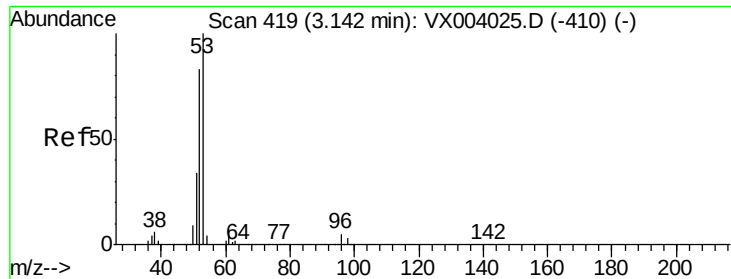
39 62.4 47.4 71.0

76 34.5 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 244.92 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

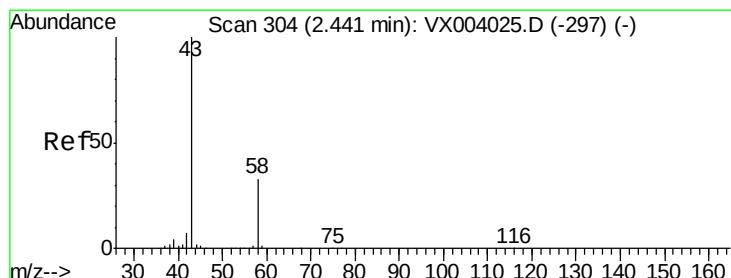
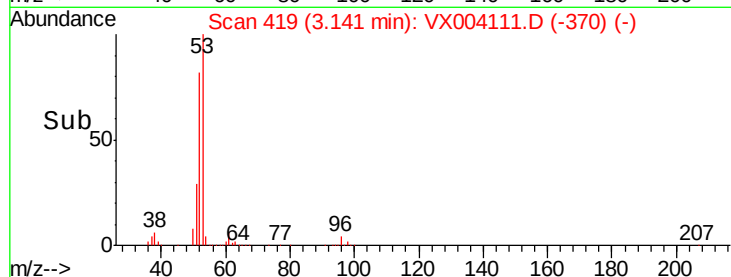
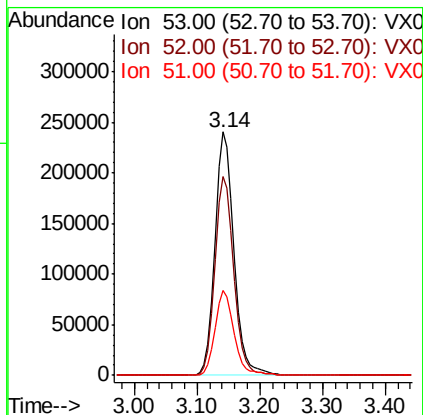
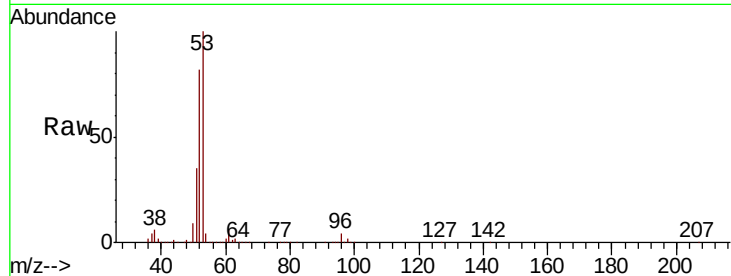
ClientSampleId :

SS050MW504-180814MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 500546 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.8  | 65.3  | 97.9   |
| 51        | 35.2  | 27.9  | 41.9   |

Manual Integrations  
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#16

Acetone

Concen: 239.91 ug/l

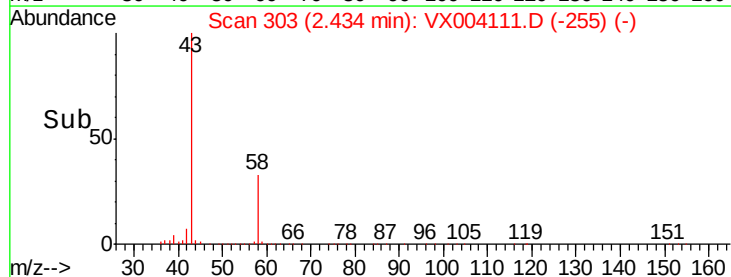
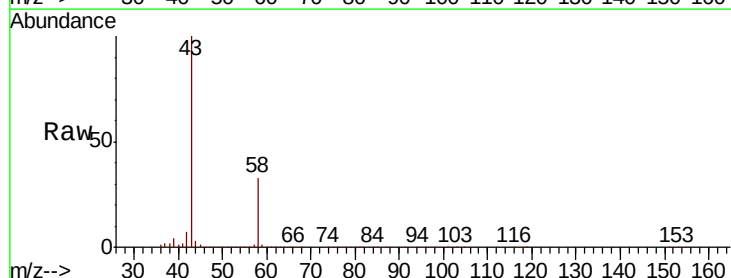
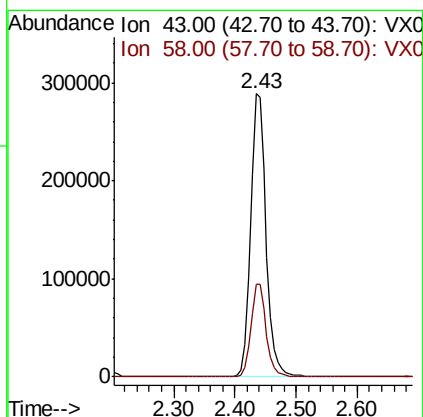
RT: 2.43 min Scan# 303

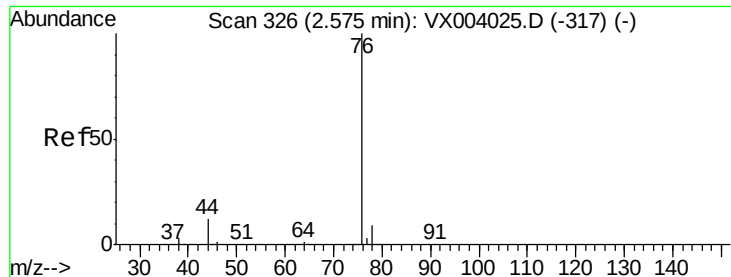
Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 507721 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.6  | 26.4  | 39.6   |





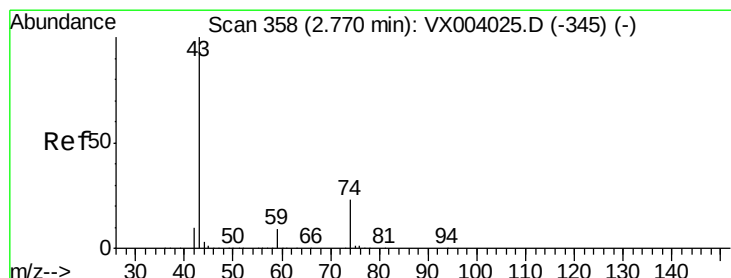
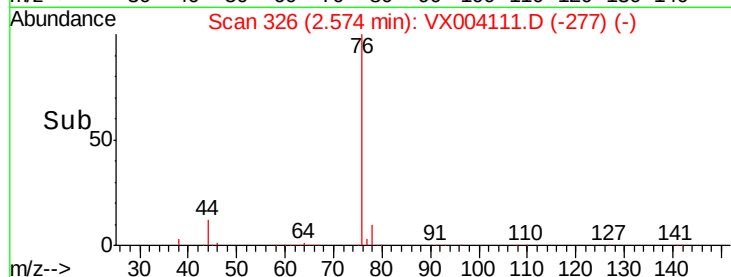
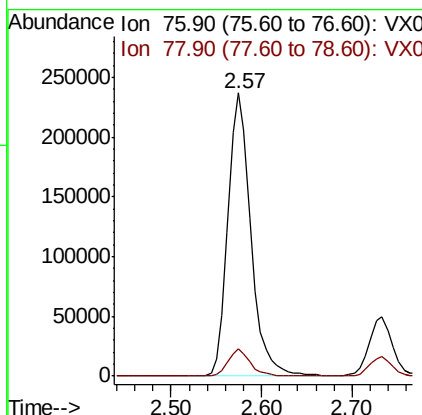
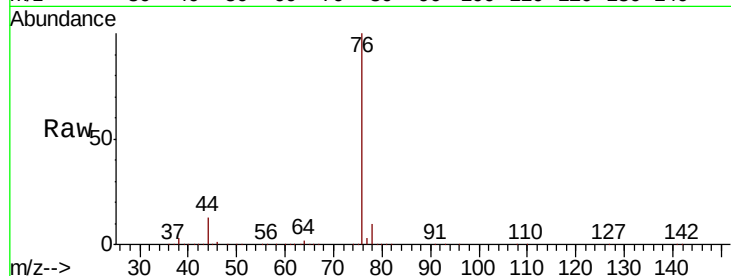
#17  
Carbon Disulfide  
Concen: 48.35 ug/l  
RT: 2.57 min Scan# 326  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.5   | 7.5   | 11.3  |

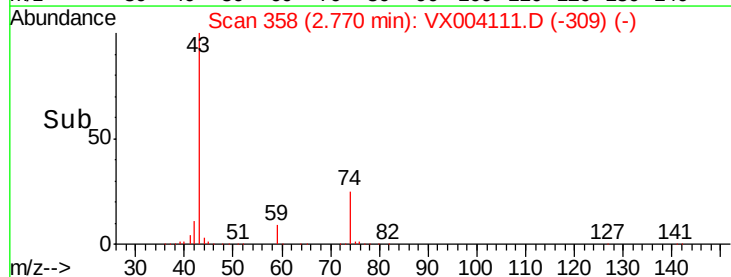
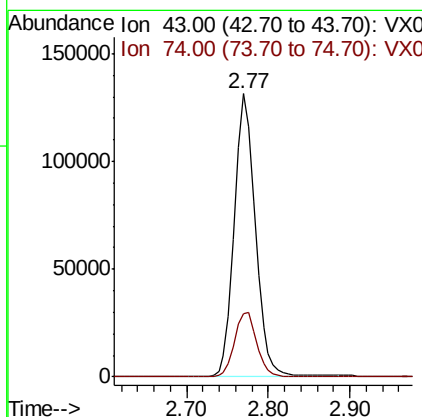
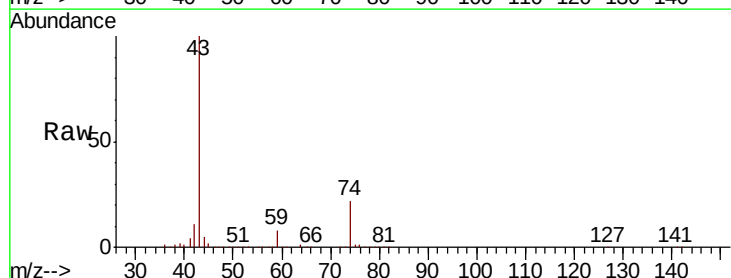
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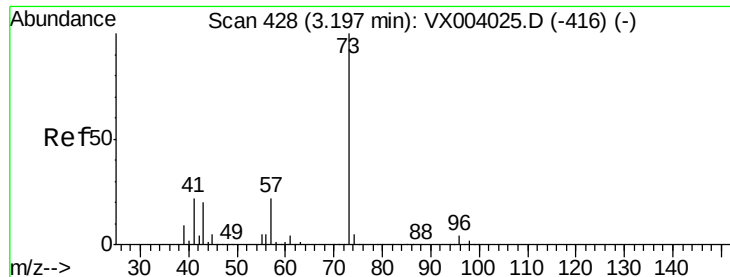
MMDadoda  
8/16/2018 4:40:22 PM



#18  
Methyl Acetate  
Concen: 49.49 ug/l  
RT: 2.77 min Scan# 358  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.4  | 18.9  | 28.3  |





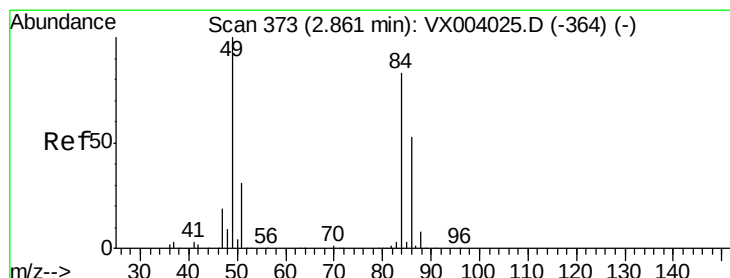
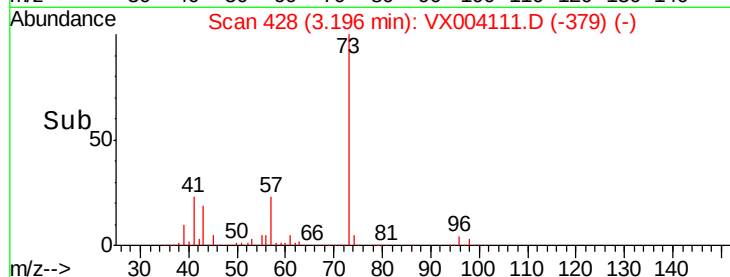
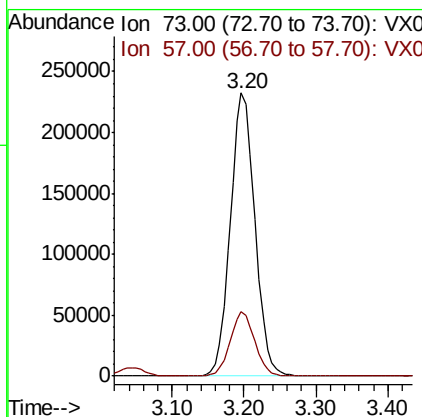
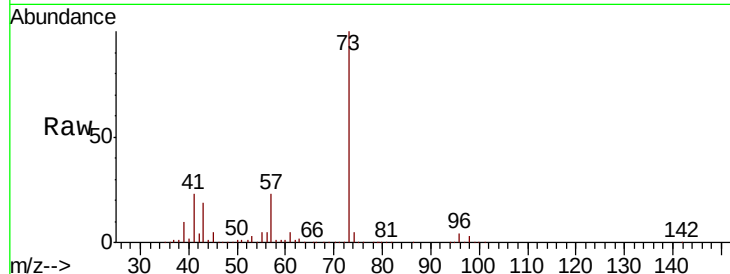
#19  
Methvl tert-butyl Ether  
Concen: 51.56 ug/l  
RT: 3.20 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

Tot Ion: 73 Resp: 552055  
Ion Ratio Lower Upper  
73 100  
57 22.5 18.0 27.0

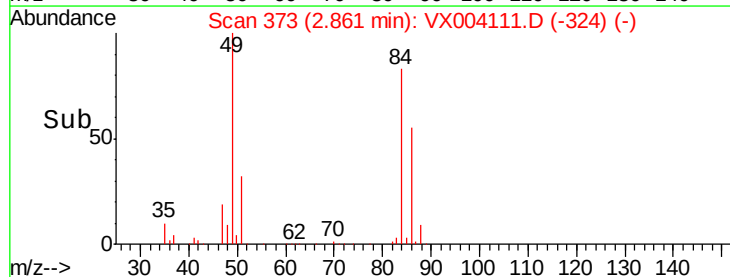
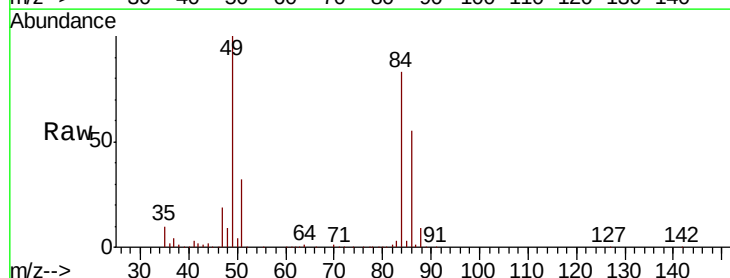
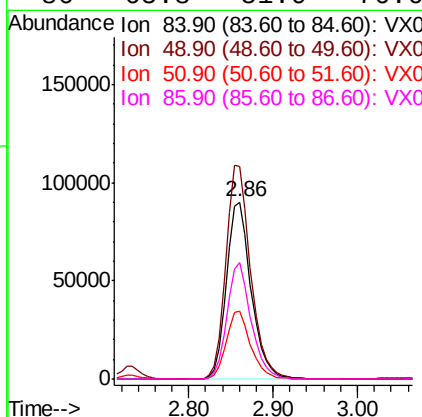
Manual Integrations  
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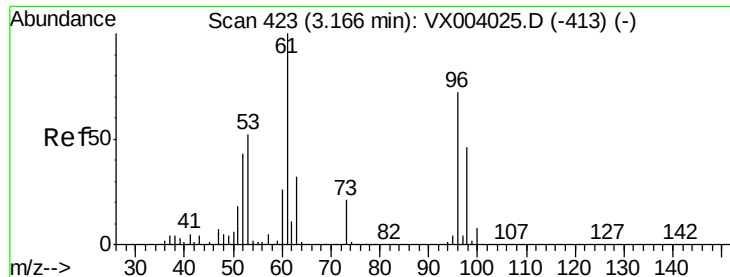
MMDadoda  
8/16/2018 4:40:22 PM



#20  
Methylene Chloride  
Concen: 52.16 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Tgt Ion: 84 Resp: 180316  
Ion Ratio Lower Upper  
84 100  
49 120.5 98.9 148.3  
51 38.2 29.9 44.9  
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.44 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW504-180814MSD

Tot Ion: 96 Resp: 167176

Ion Ratio Lower Upper

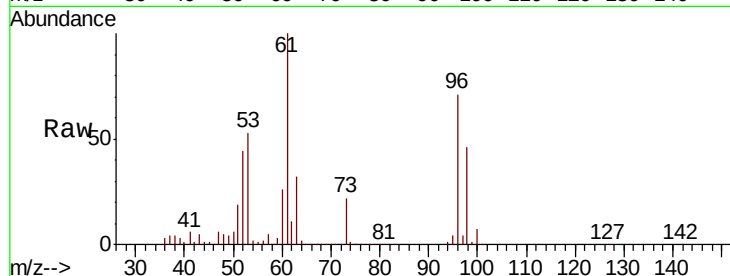
96 100

61 140.4 111.8 167.6

98 65.2 51.8 77.6

Manual Integrations  
APPROVED

MMDadoda  
8/16/2018 4:40:22 PM

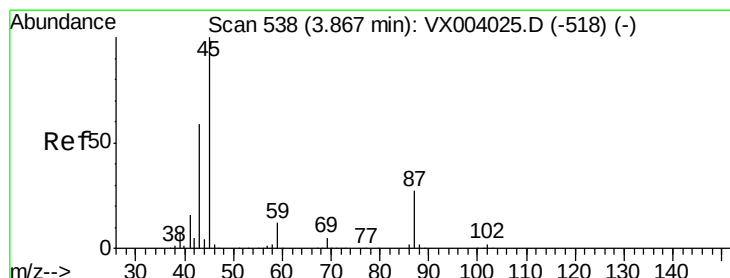
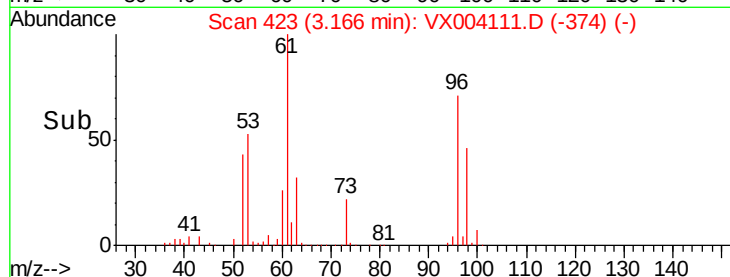
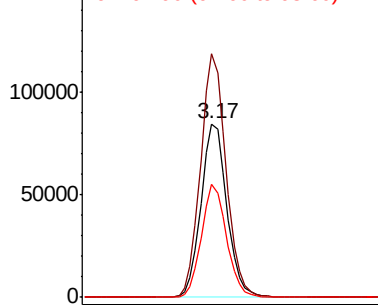


Abundance

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: 53.21 ug/l

RT: 3.86 min Scan# 537

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Tgt Ion: 45 Resp: 602989

Ion Ratio Lower Upper

45 100

43 68.7 45.3 67.9#

87 25.8 22.7 34.1

59 11.8 9.6 14.4

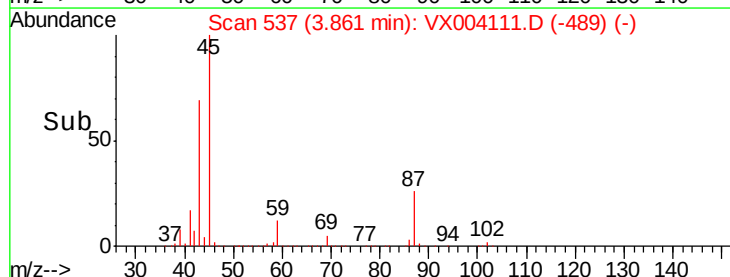
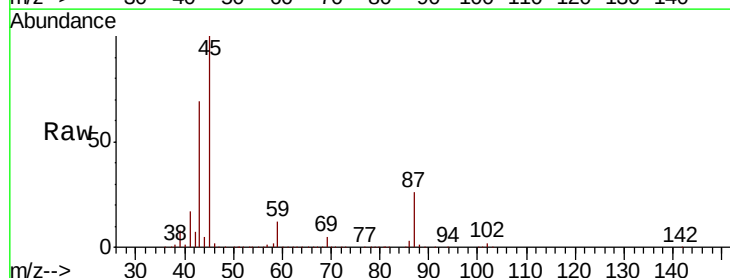
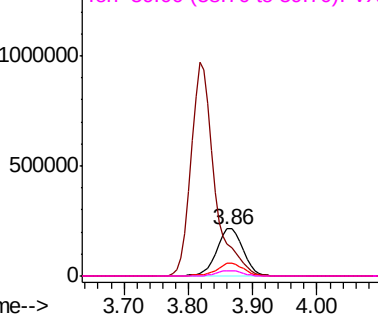
Abundance

Ion 45.00 (44.70 to 45.70): VX0

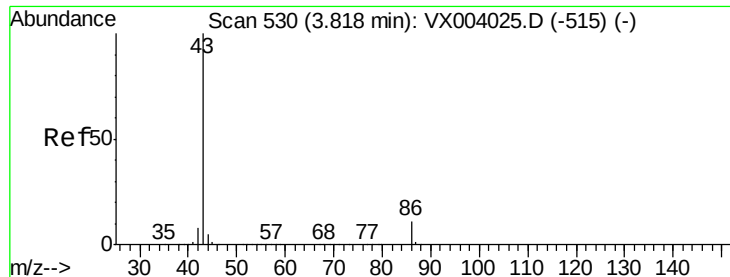
Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0







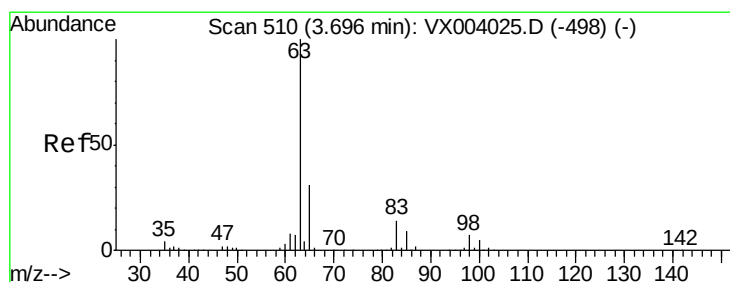
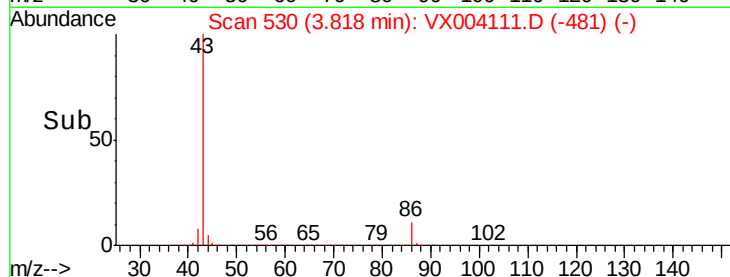
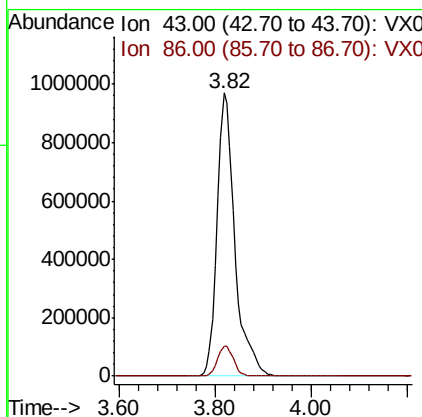
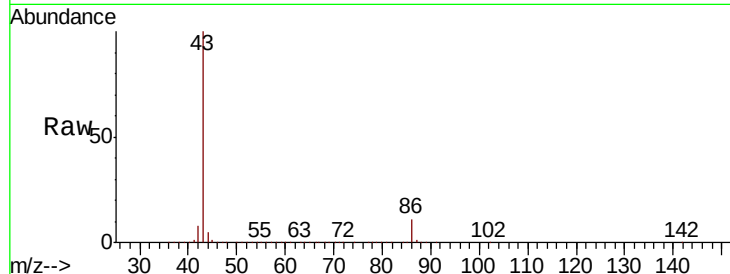
#23  
 Vinyl Acetate  
 Concen: 268.25 ug/l  
 RT: 3.82 min Scan# 530  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

Tot Ion: 43 Resp: 2496605  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 8.9 13.3

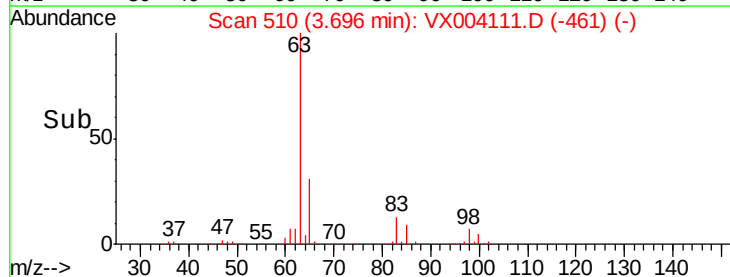
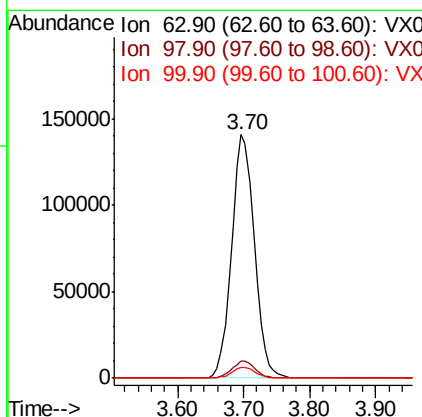
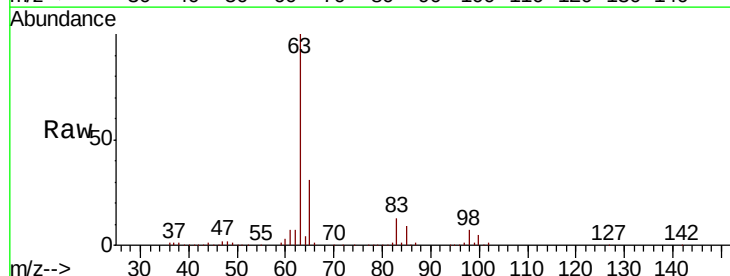
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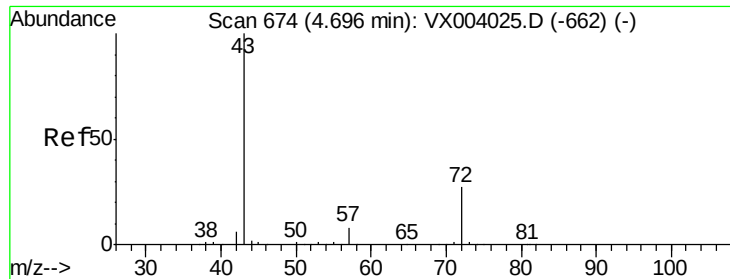
MMDadoda  
 8/16/2018 4:40:22 PM



#24  
 1,1-Dichloroethane  
 Concen: 52.26 ug/l  
 RT: 3.70 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Tgt Ion: 63 Resp: 335424  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.5 10.5  
 100 4.5 2.3 6.8





#25

2-Butanone

Concen: 241.96 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW504-180814MSD

Tot Ion: 43 Resp: 833160

Ion Ratio Lower Upper

43 100

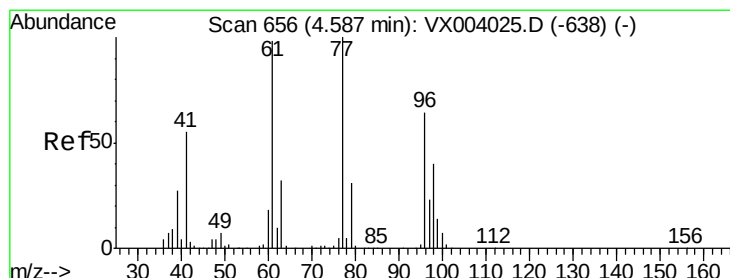
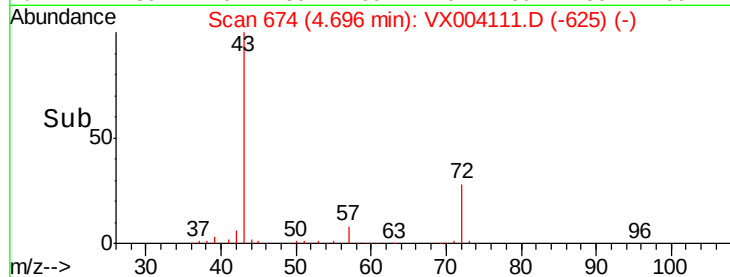
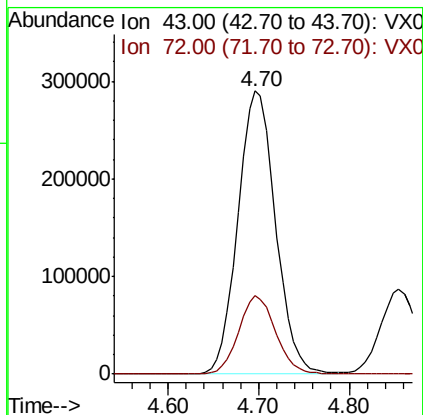
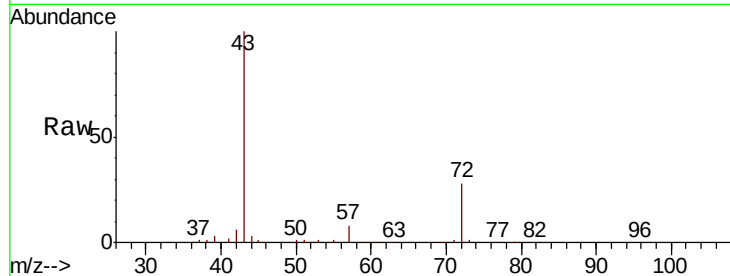
72 27.8 21.4 32.0

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#26

2,2-Dichloropropane

Concen: 20.90 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004111.D

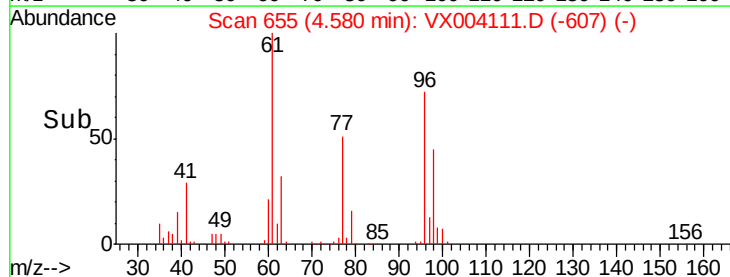
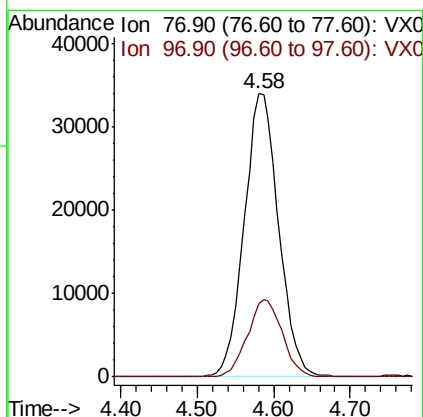
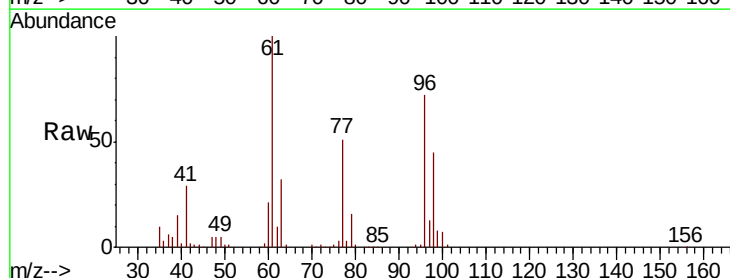
Acq: 16 Aug 2018 09:20

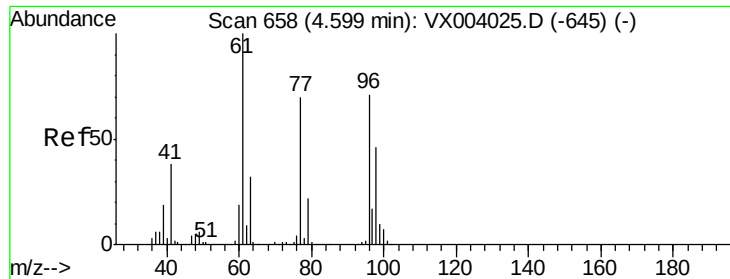
Tgt Ion: 77 Resp: 106659

Ion Ratio Lower Upper

77 100

97 27.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 54.01 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

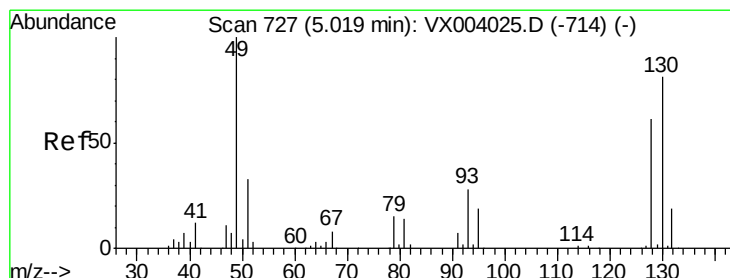
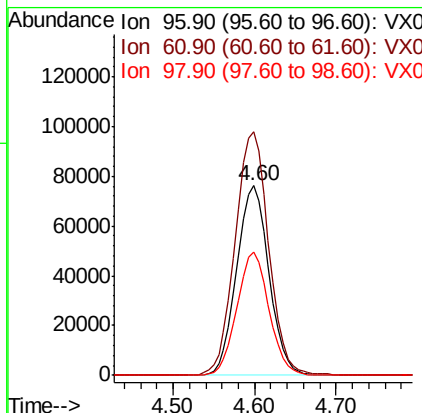
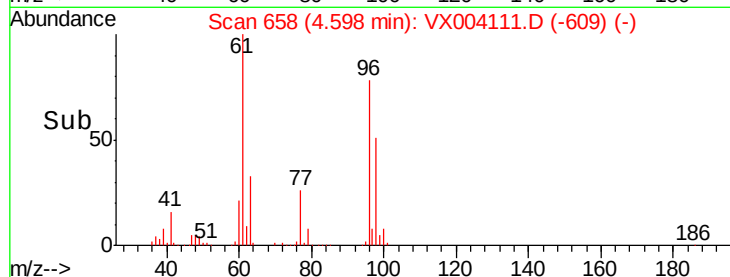
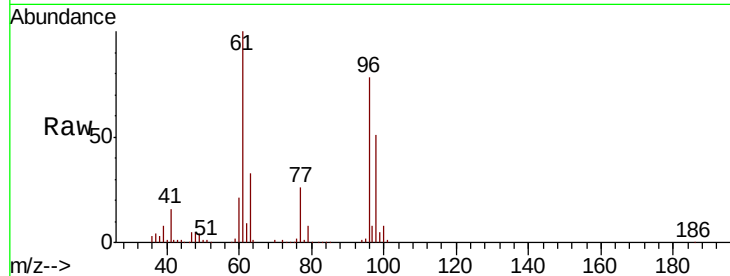
ClientSampleId :

SS050MW504-180814MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 209611 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 133.4 | 0.0   | 293.0  |
| 98        | 64.5  | 0.0   | 131.8  |

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#28

Bromochloromethane

Concen: 54.69 ug/l

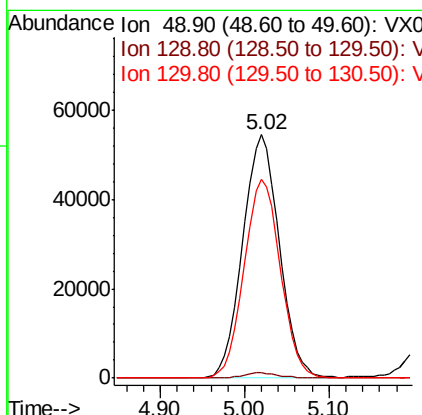
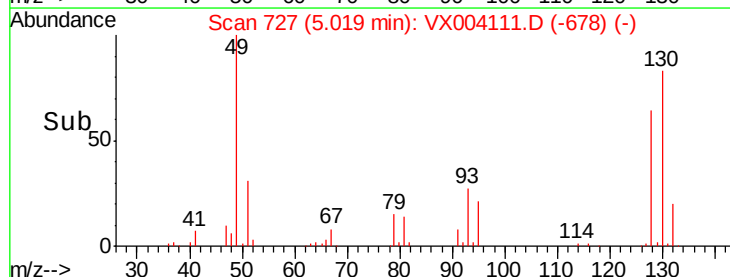
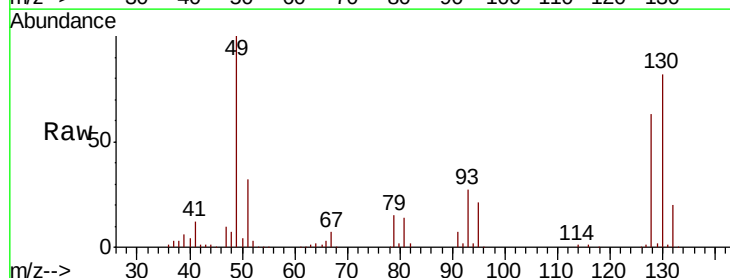
RT: 5.02 min Scan# 727

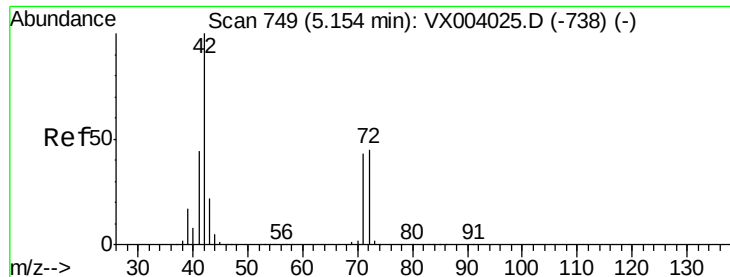
Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 161044 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 2.1   | 0.0   | 4.2    |
| 130       | 81.1  | 66.5  | 99.7   |





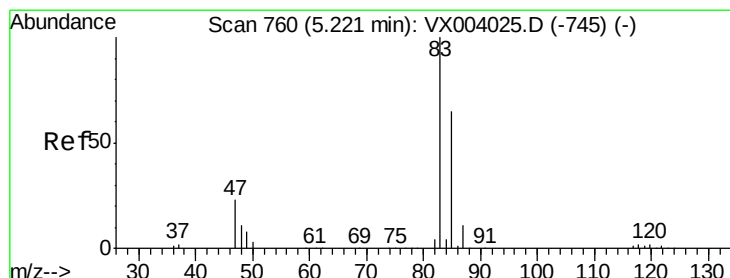
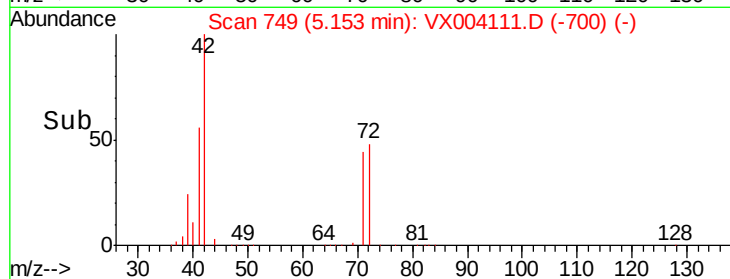
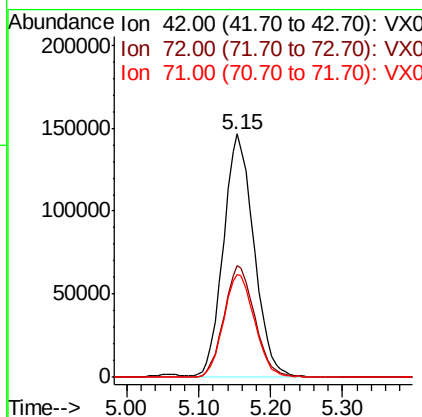
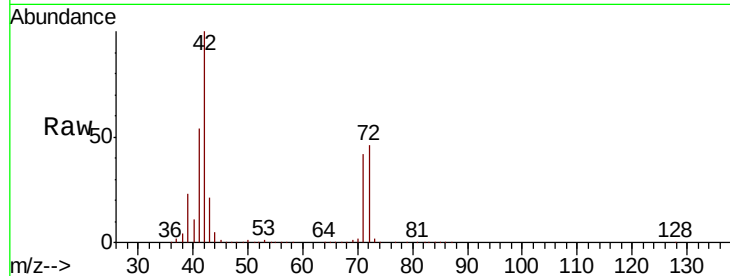
#29  
Tetrahydrofuran  
Concen: 244.63 ug/l  
RT: 5.15 min Scan# 749  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.5  | 37.7  | 56.5  |
| 71      | 43.0  | 35.0  | 52.6  |

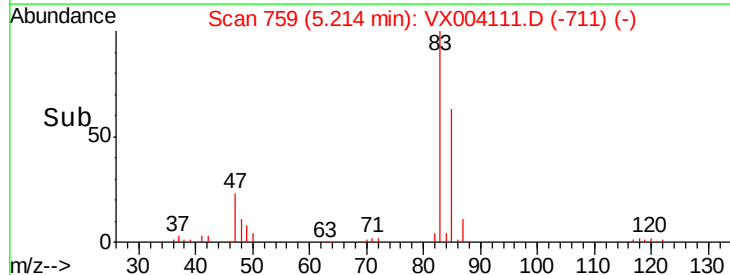
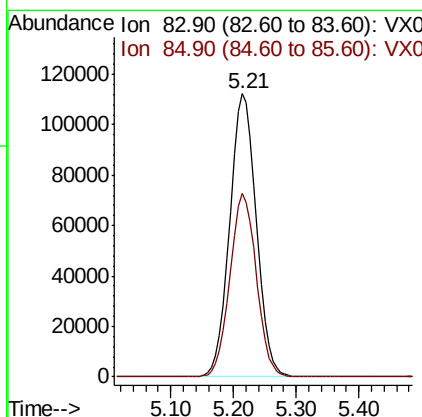
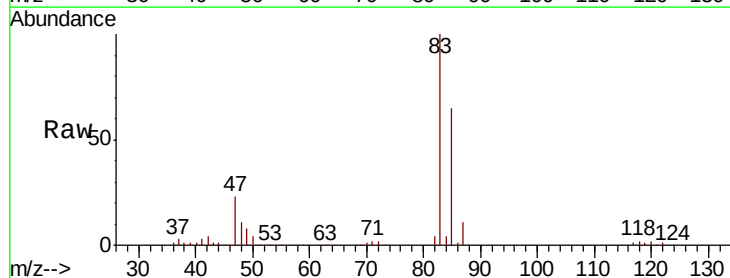
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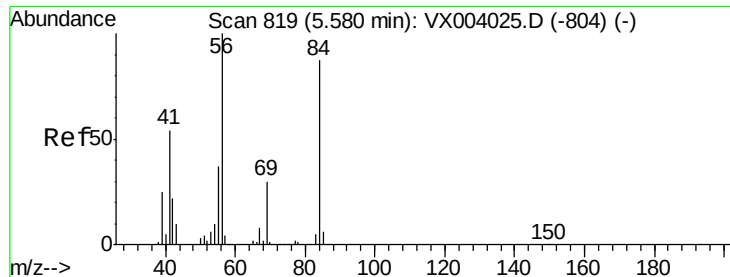
MMDadoda  
8/16/2018 4:40:22 PM



#30  
Chloroform  
Concen: 52.50 ug/l  
RT: 5.21 min Scan# 759  
Delta R.T. -0.01 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 50.7  | 76.1  |





#31

Cyclohexane

Concen: 48.56 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

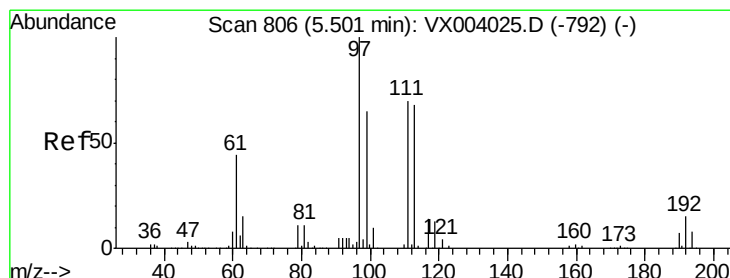
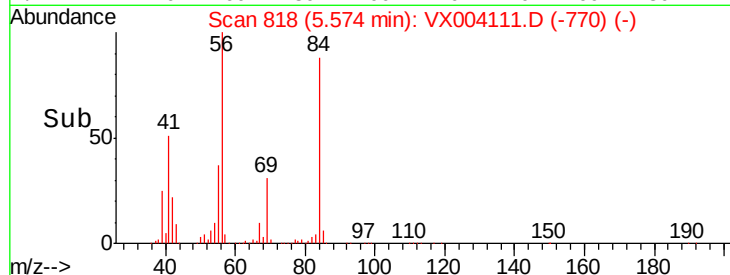
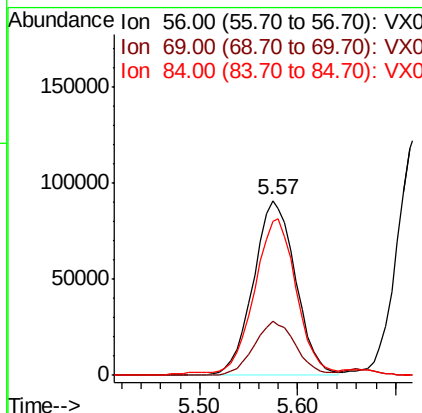
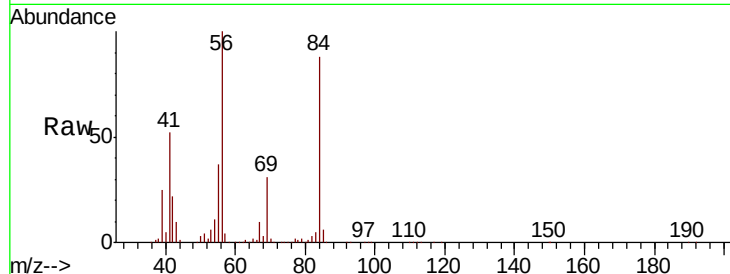
ClientSampleId :

SS050MW504-180814MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 273247 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.0  | 24.9  | 37.3   |
| 84        | 86.5  | 71.7  | 107.5  |

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#32

1,1,1-Trichloroethane

Concen: 51.90 ug/l

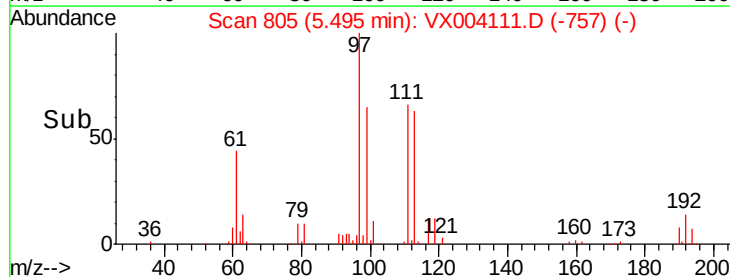
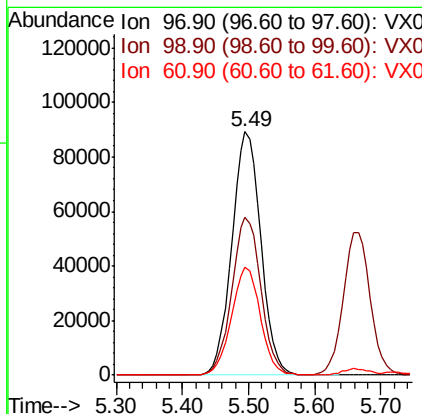
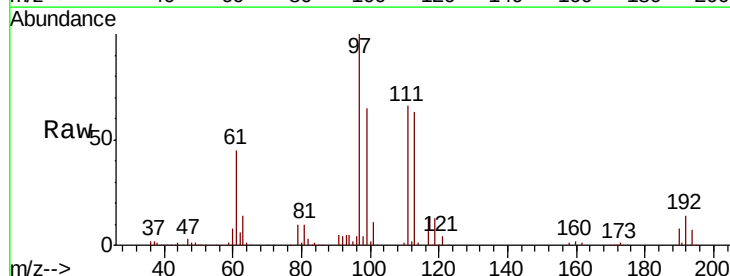
RT: 5.49 min Scan# 805

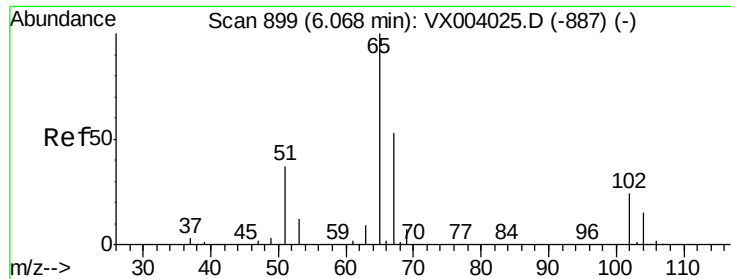
Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 271649 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 64.9  | 51.8  | 77.8   |
| 61        | 44.2  | 34.4  | 51.6   |





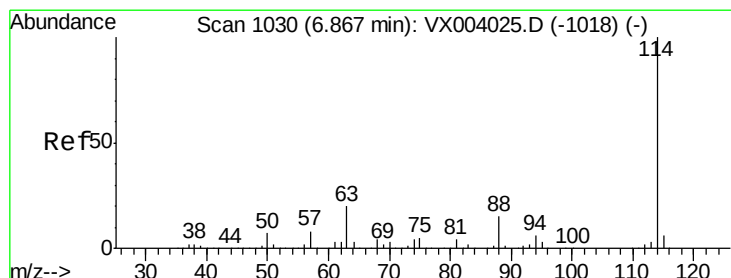
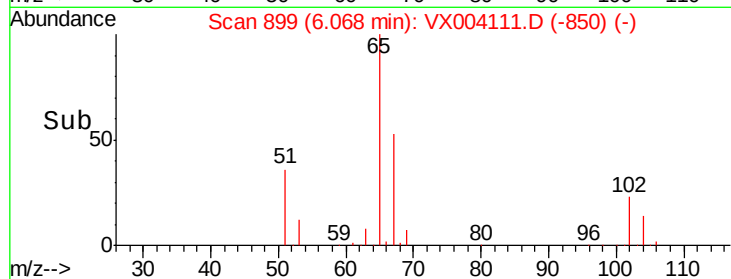
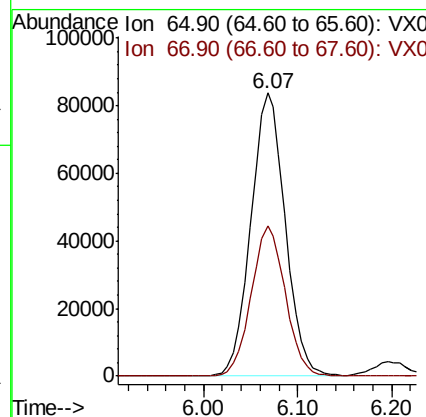
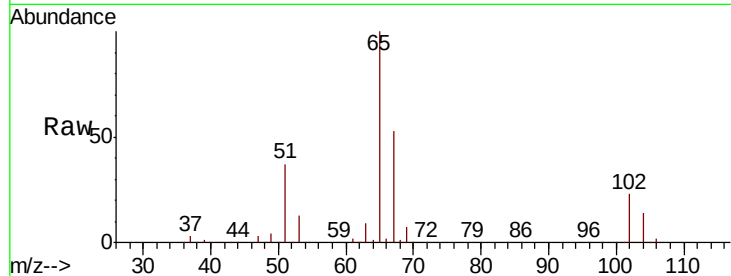
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.50 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 53.0  | 0.0   | 105.8 |

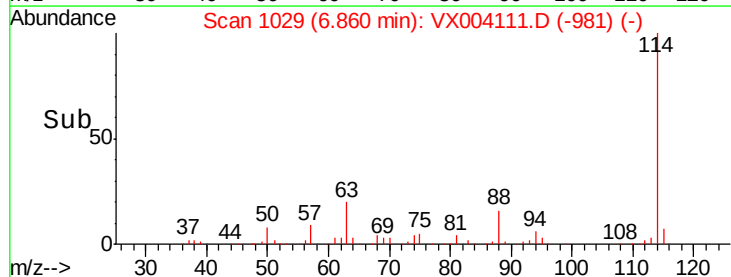
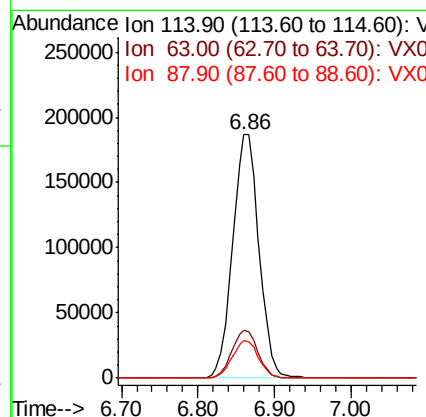
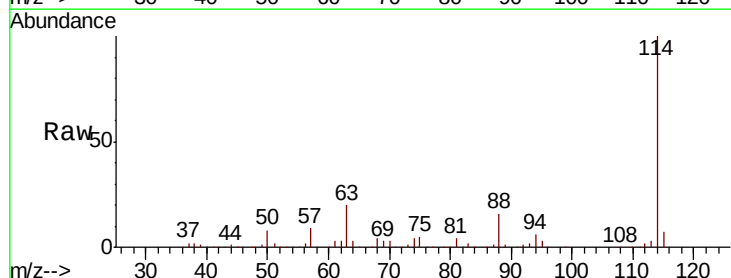
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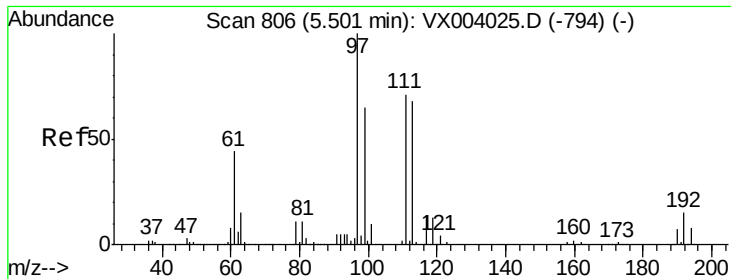
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.8  | 0.0   | 39.0  |
| 88      | 15.5  | 0.0   | 32.0  |





#35

Dibromofluoromethane

Concen: 53.05 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

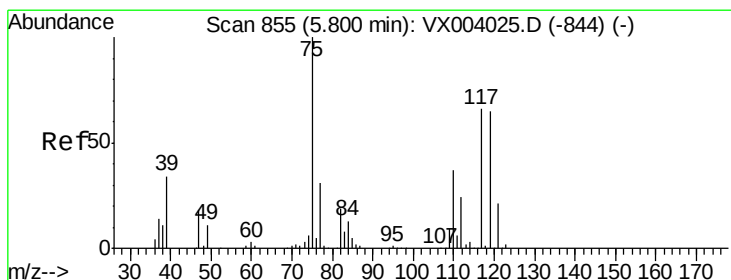
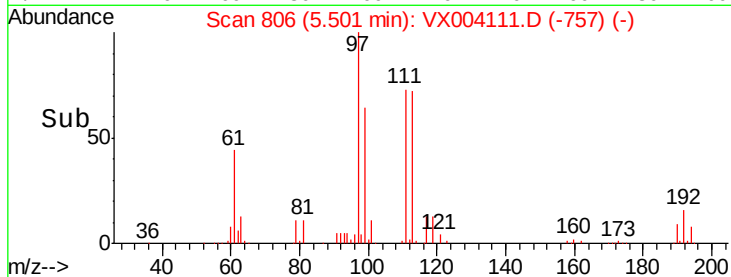
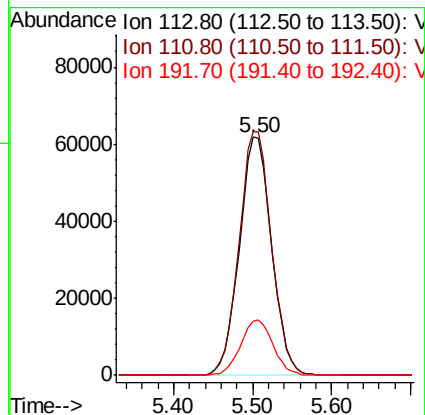
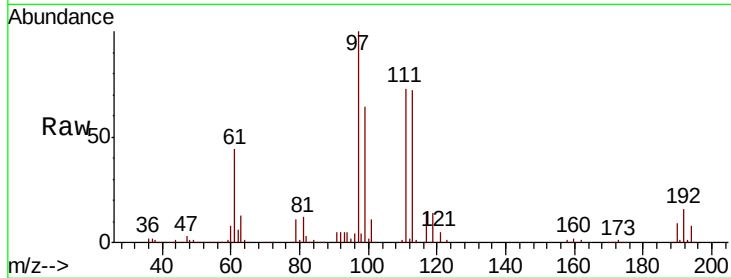
ClientSampleId :

SS050MW504-180814MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 175944 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.7 | 82.0  | 123.0  |
| 192      | 23.6  | 19.0  | 28.4   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 48.05 ug/l

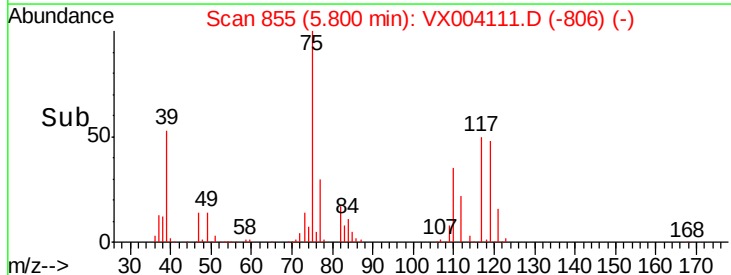
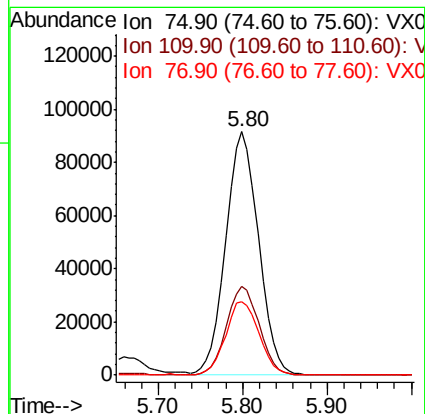
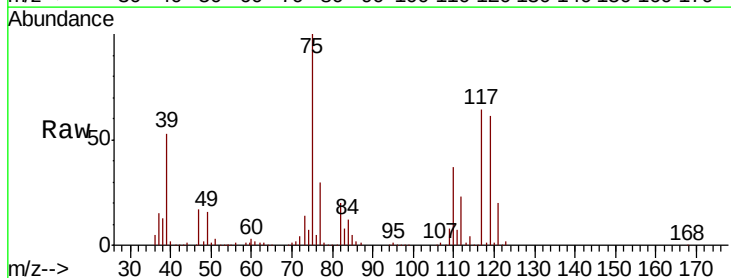
RT: 5.80 min Scan# 855

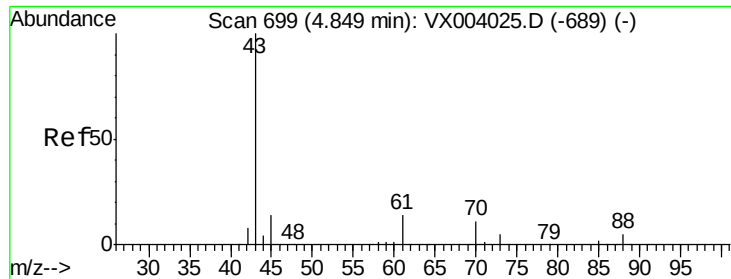
Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 242293 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 36.5  | 18.2  | 54.6   |
| 77       | 31.2  | 25.0  | 37.4   |





#37

Ethyl Acetate

Concen: 46.37 ug/l

RT: 4.85 min Scan# 700

Delta R.T. 0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

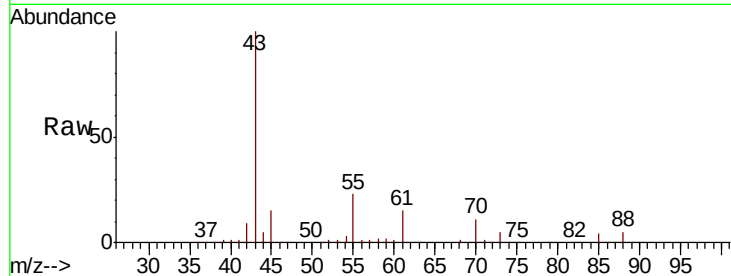
ClientSampleId :

SS050MW504-180814MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 254600 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 14.7  | 11.5  | 17.3   |
| 70       | 11.1  | 9.0   | 13.4   |

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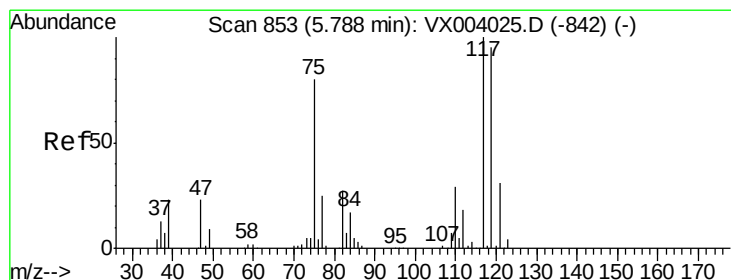
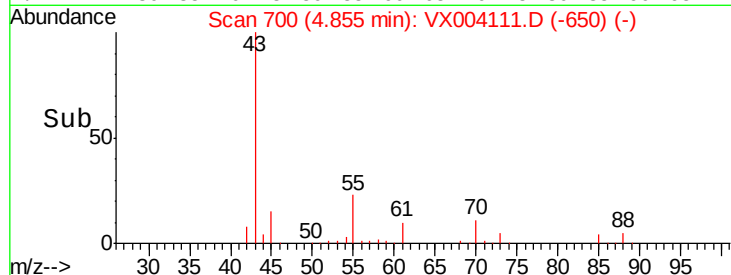
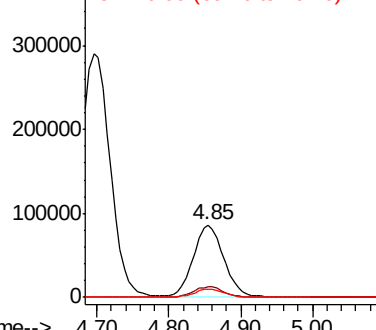


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 48.94 ug/l

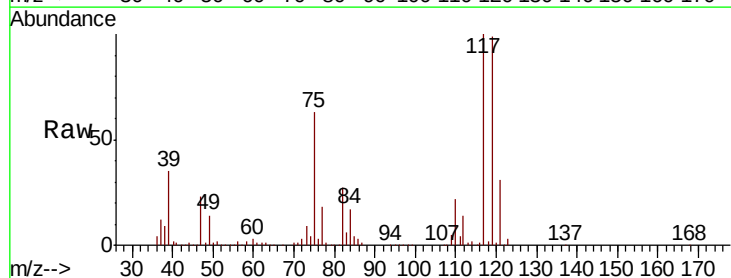
RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 239762 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 98.6  | 79.5  | 119.3  |
| 121      | 31.2  | 25.0  | 37.4   |

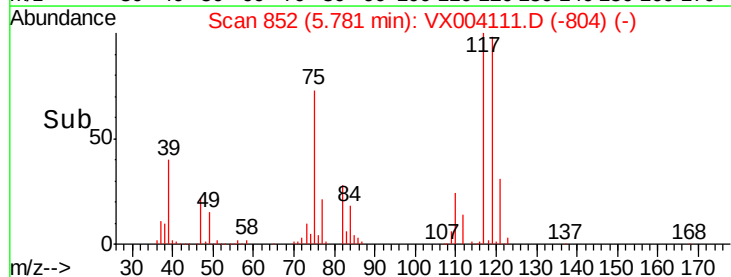
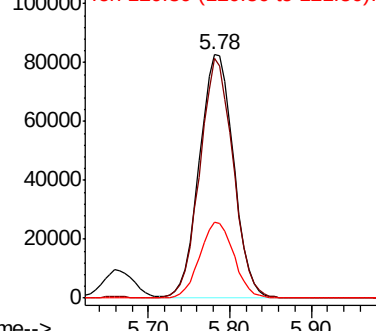


Abundance

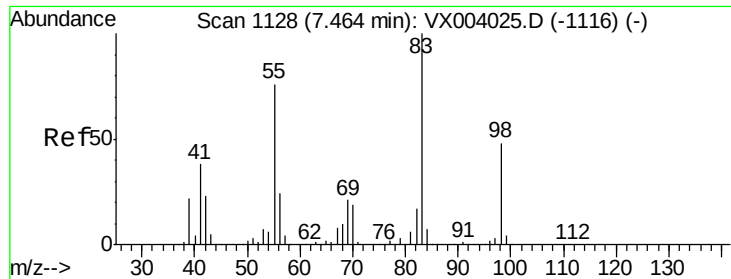
Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V







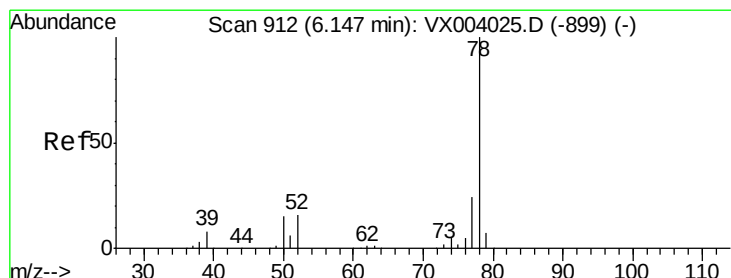
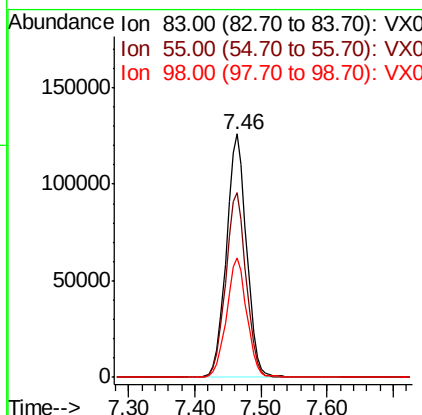
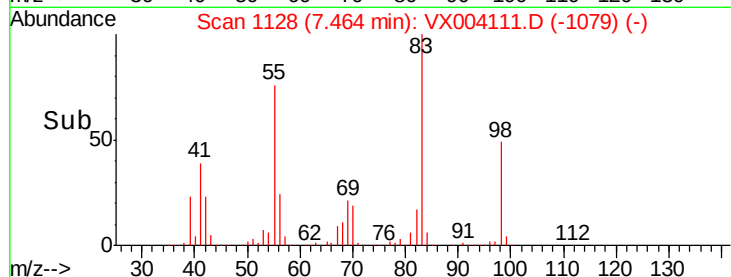
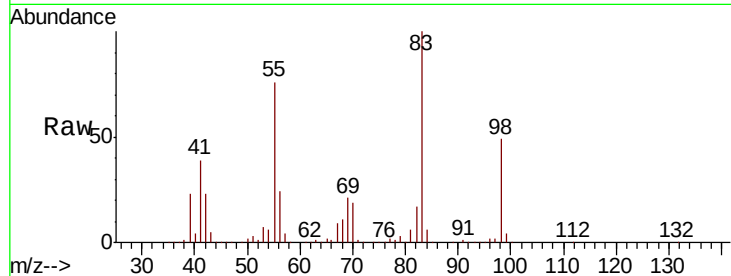
#39  
Methylvlcyclohexane  
Concen: 46.61 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 266605 |       |       |
| 55      | 75.7  |        | 61.0  | 91.6  |
| 98      | 48.9  |        | 38.6  | 57.8  |

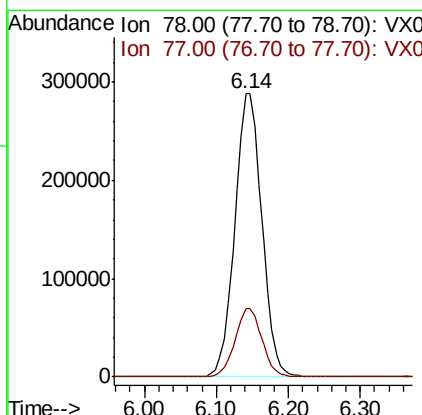
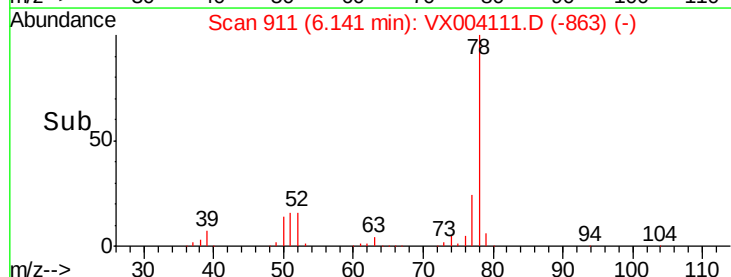
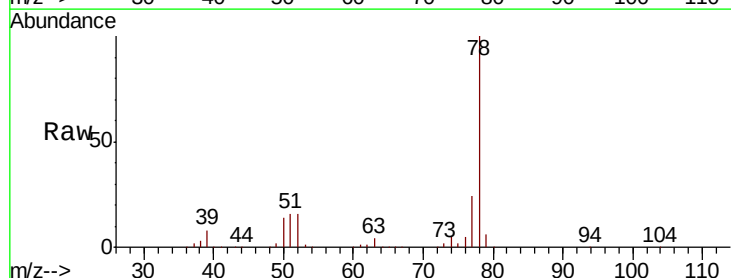
Manual Integrations  
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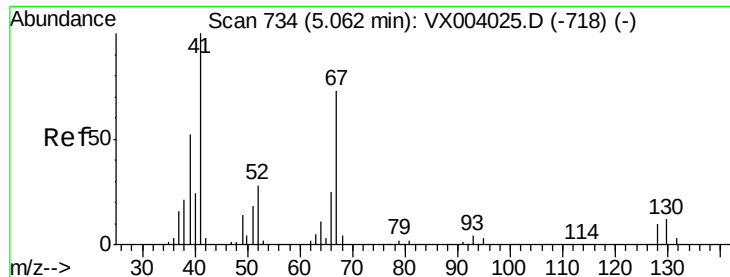
MMDadoda  
8/16/2018 4:40:22 PM



#40  
Benzene  
Concen: 49.63 ug/l  
RT: 6.14 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 78      | 100   | 751478 |       |       |
| 77      | 24.2  |        | 19.0  | 28.4  |





#41

Methacrylonitrile

Concen: 46.29 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

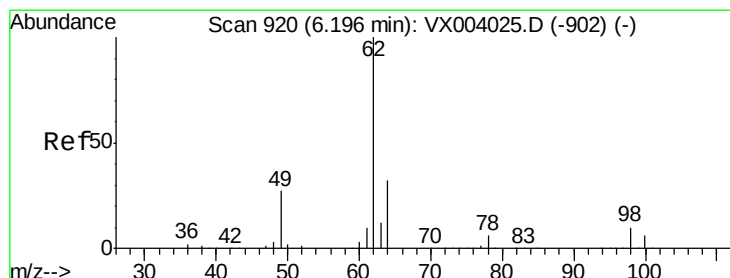
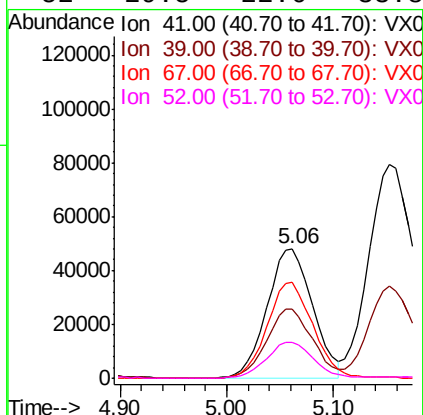
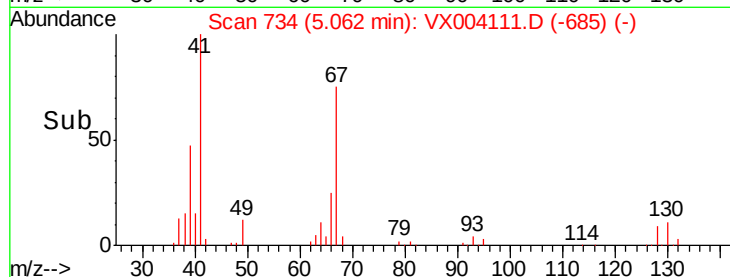
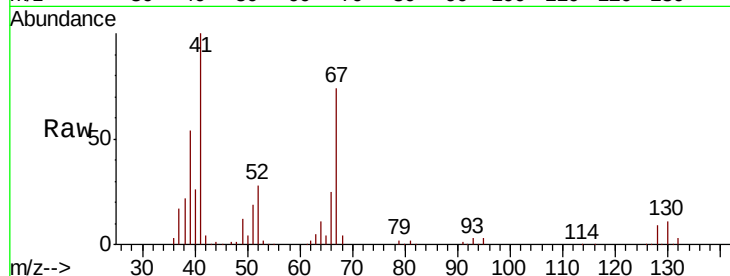
ClientSampleId :

SS050MW504-180814MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.5 | 42.7  | 64.1  |       |
| 67      | 75.3 | 58.9  | 88.3  |       |
| 52      | 29.5 | 22.6  | 33.8  |       |

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8/16/2018 4:40:22 PM



#42

1,2-Dichloroethane

Concen: 49.53 ug/l

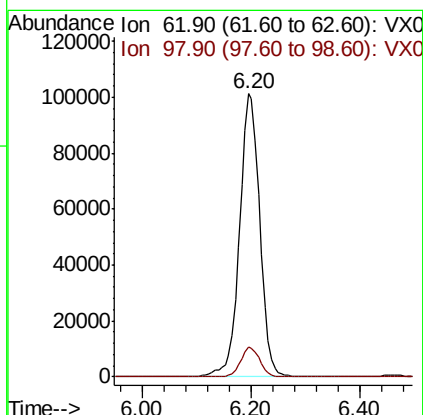
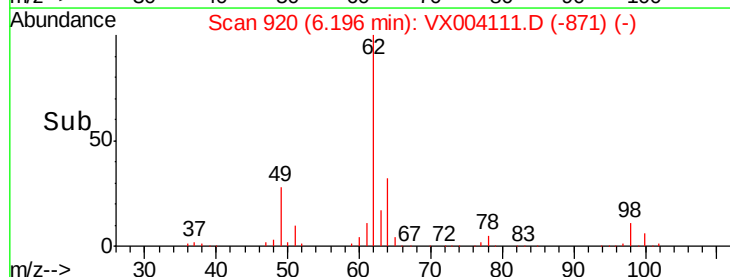
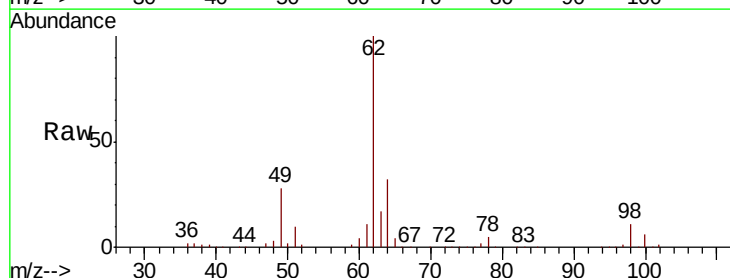
RT: 6.20 min Scan# 920

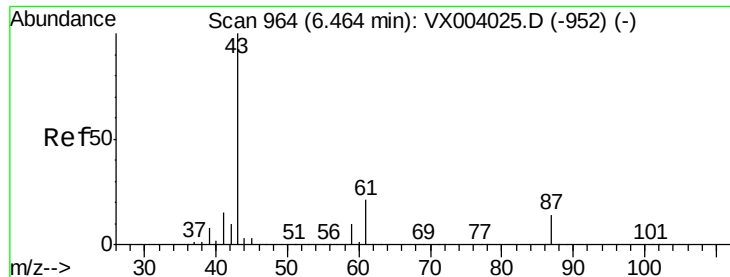
Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.1 | 0.0   | 20.4  |       |





#43

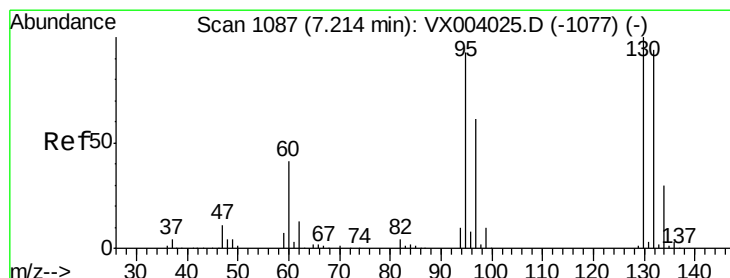
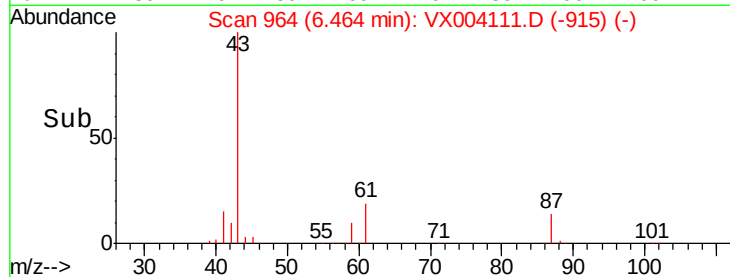
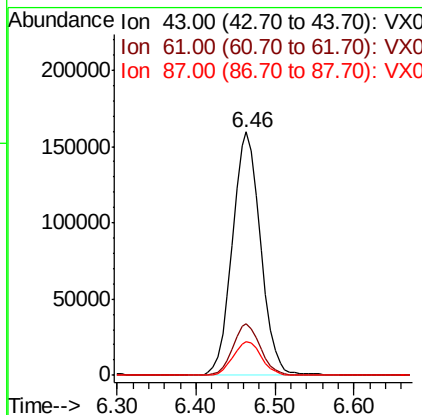
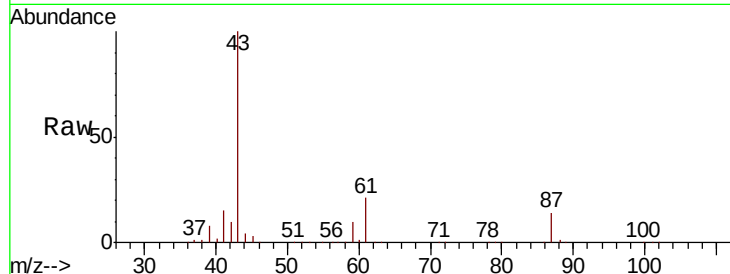
Isopropyl Acetate  
 Concen: 48.83 ug/l  
 RT: 6.46 min Scan# 964  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 20.8  | 16.9  | 25.3  |
| 87      | 13.9  | 11.3  | 16.9  |

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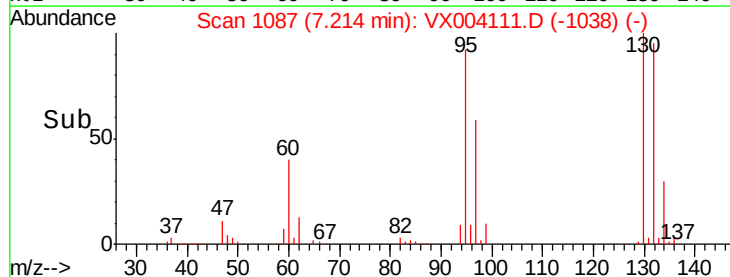
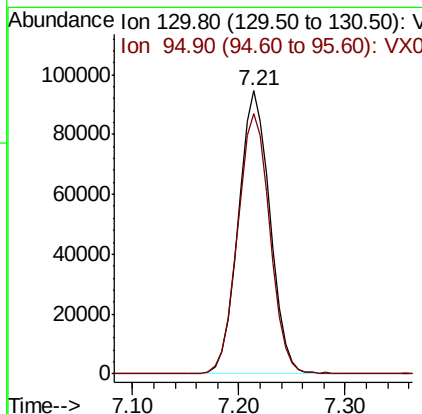
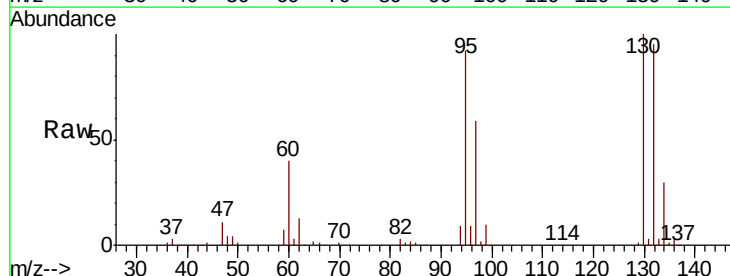
MMDadoda  
 8/16/2018 4:40:22 PM

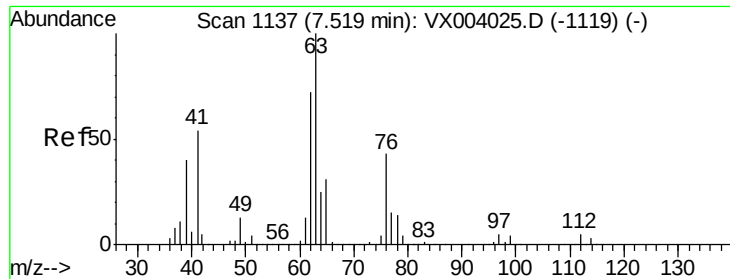


#44

Trichloroethene  
 Concen: 48.15 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 92.1  | 0.0   | 199.4 |





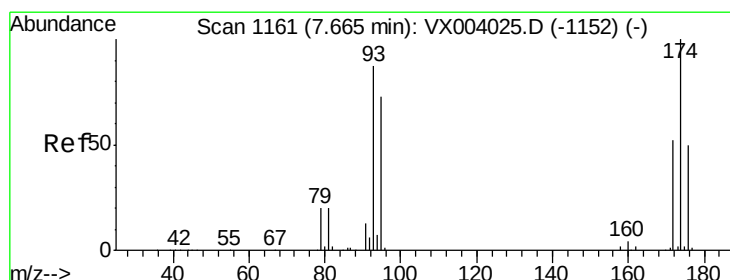
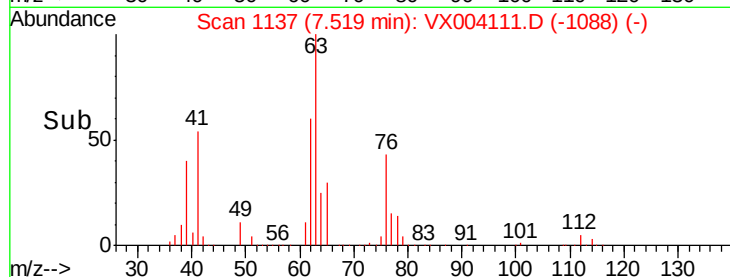
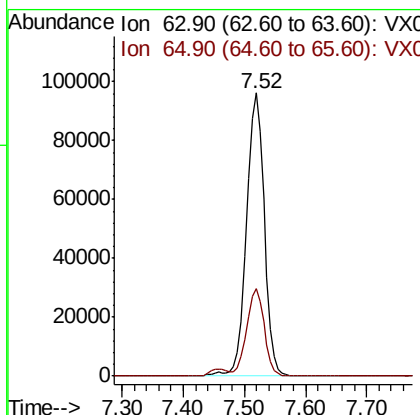
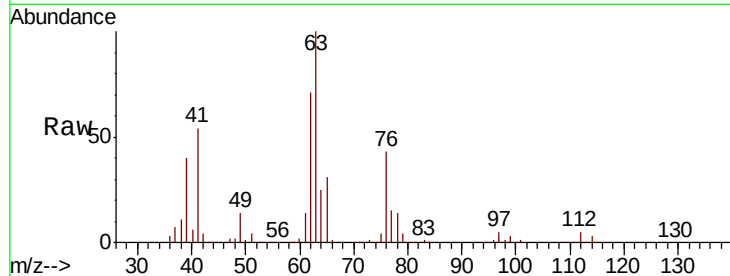
#45  
 1,2-Dichloropropane  
 Concen: 50.36 ug/l  
 RT: 7.52 min Scan# 1137  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 31.0  | 24.6  | 36.8  |

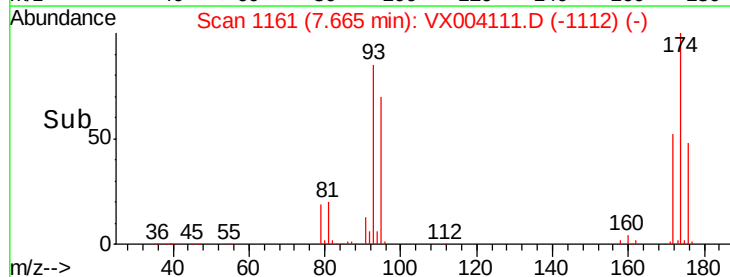
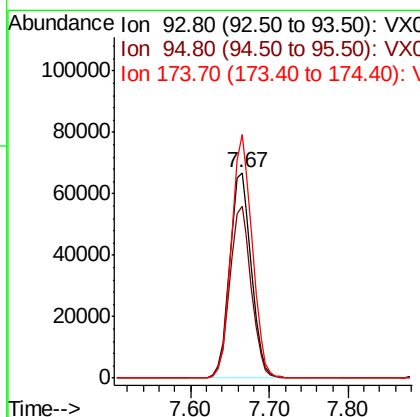
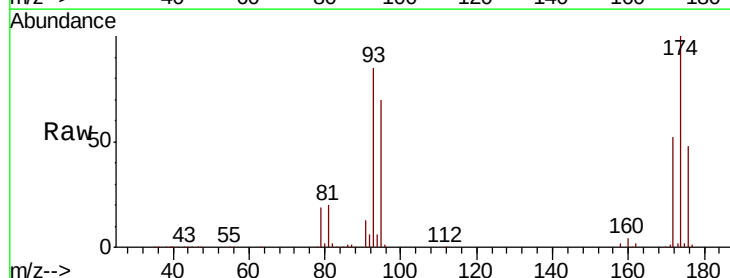
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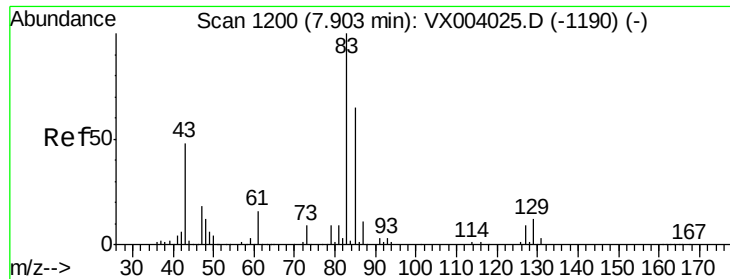
MMDadoda  
 8/16/2018 4:40:22 PM



#46  
 Dibromomethane  
 Concen: 50.31 ug/l  
 RT: 7.67 min Scan# 1161  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 83.0  | 66.4  | 99.6  |
| 174     | 115.0 | 94.3  | 141.5 |





#47

Bromodichloromethane

Concen: 51.06 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

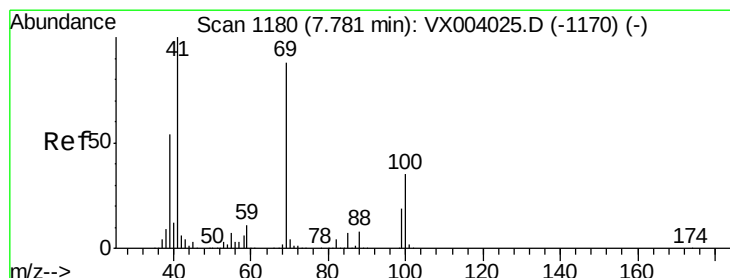
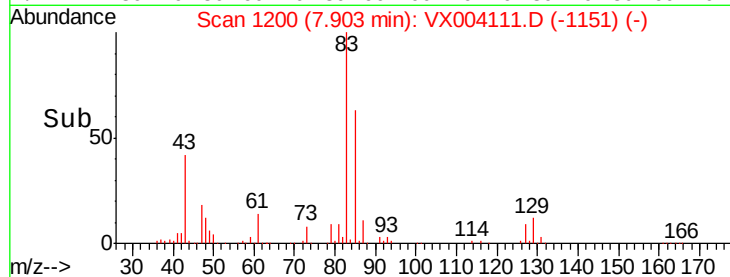
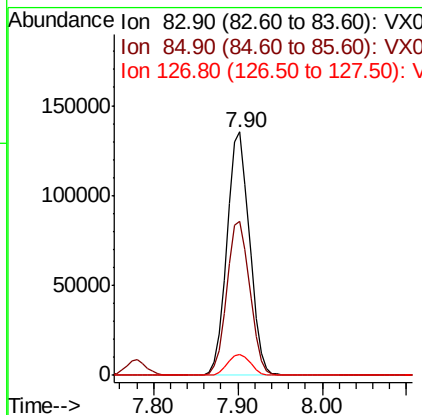
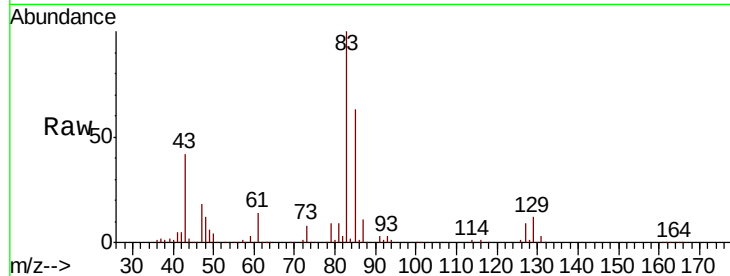
ClientSampleId :

SS050MW504-180814MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 244951 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 63.1  | 51.2  | 76.8   |
| 127       | 8.8   | 7.2   | 10.8   |

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8/16/2018 4:40:22 PM



#48

Methyl methacrylate

Concen: 51.26 ug/l

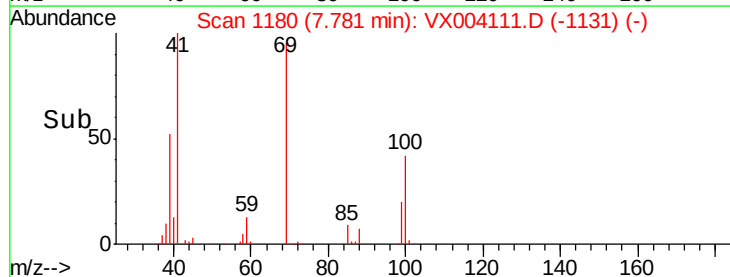
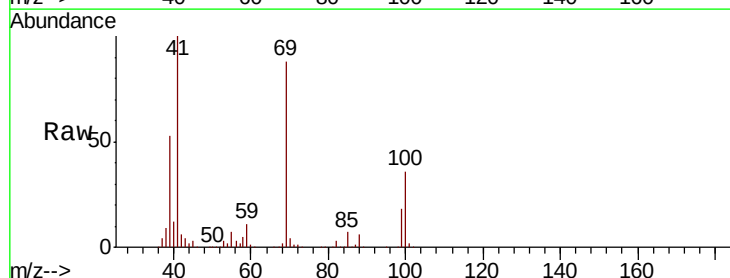
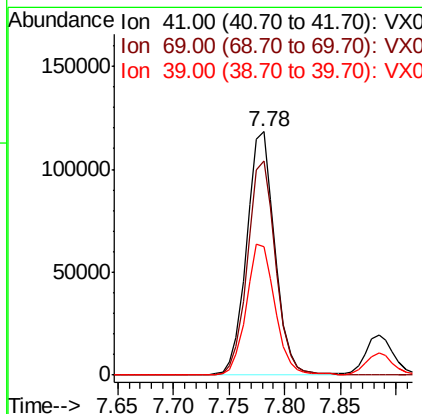
RT: 7.78 min Scan# 1180

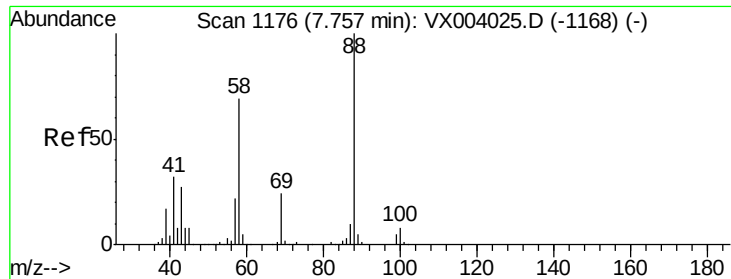
Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 208842 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 88.6  | 68.8  | 103.2  |
| 39        | 54.6  | 42.3  | 63.5   |





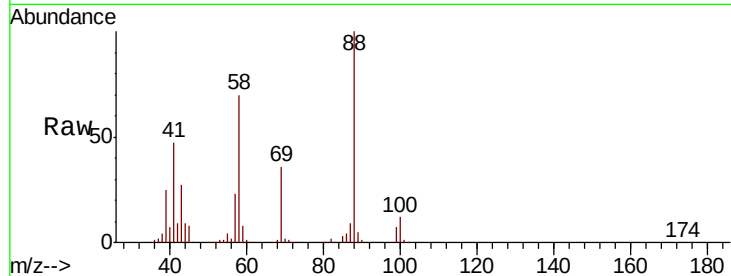
#49  
1,4-Dioxane  
Concen: 829.62 ug/l  
RT: 7.76 min Scan# 1176  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.4  | 23.8  | 35.8  |
| 58      | 71.9  | 55.4  | 83.0  |

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MMDadoda  
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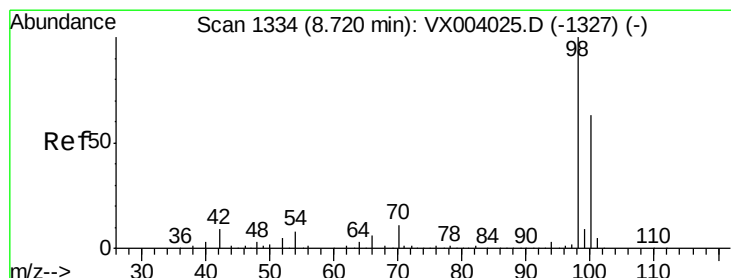
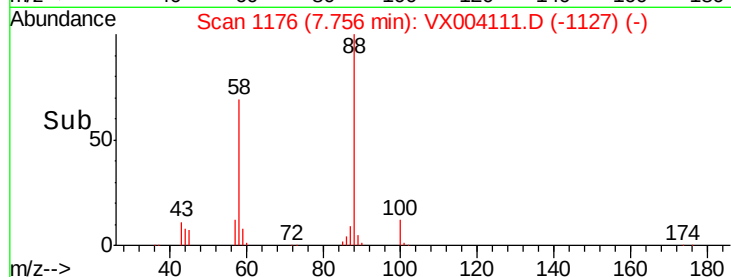
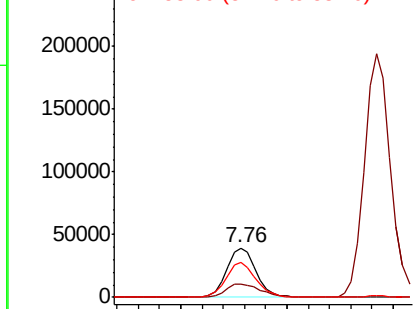


Abundance

Ion 88.00 (87.70 to 88.70): VX0

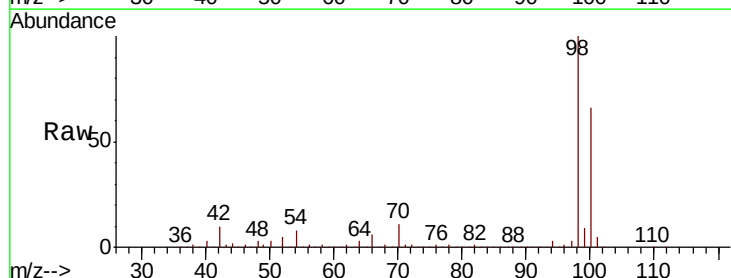
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50  
Toluene-d8  
Concen: 50.94 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

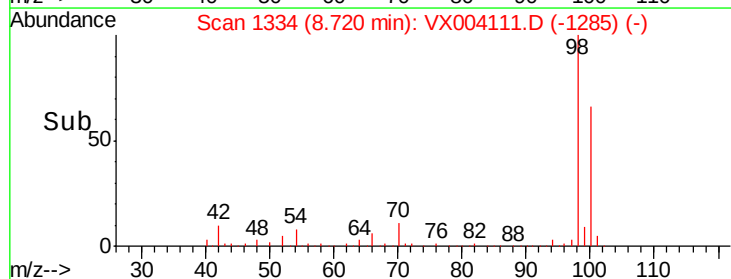
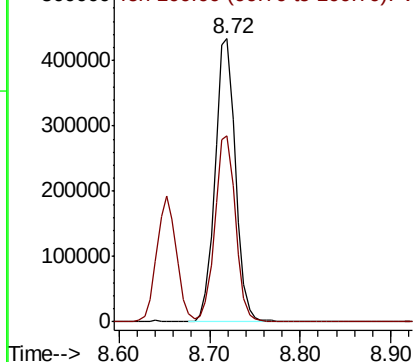
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.3  | 53.3  | 79.9  |

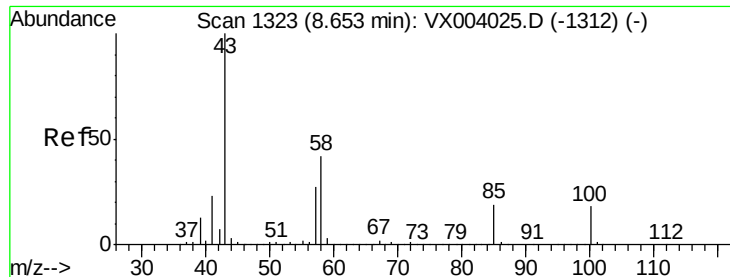


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





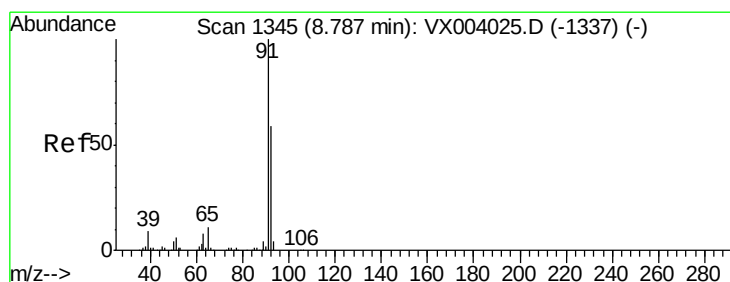
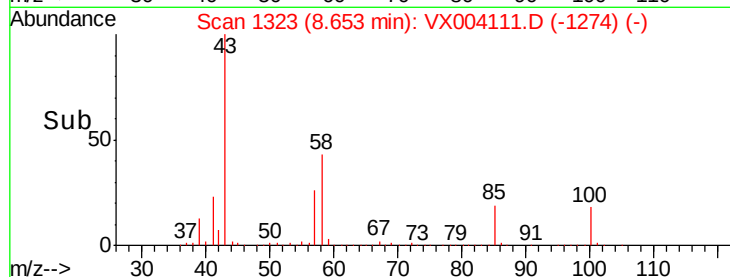
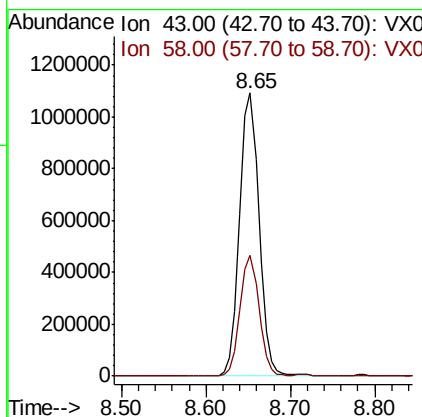
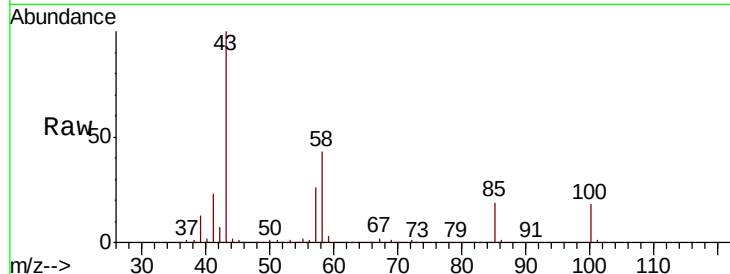
#51  
4-Methyl-2-Pentanone  
Concen: 255.83 ug/l  
RT: 8.65 min Scan# 1323  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

Tot Ion: 43 Resp: 1697791  
Ion Ratio Lower Upper  
43 100  
58 41.6 33.0 49.6

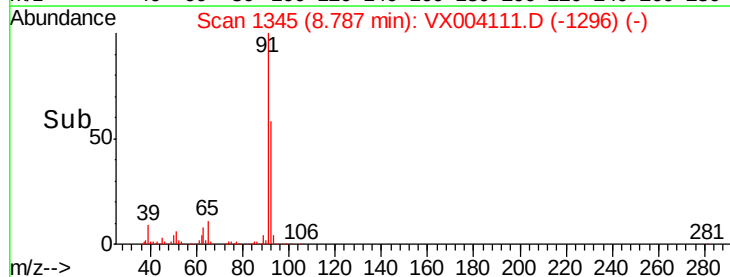
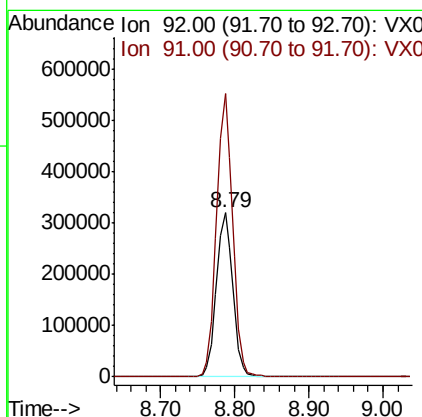
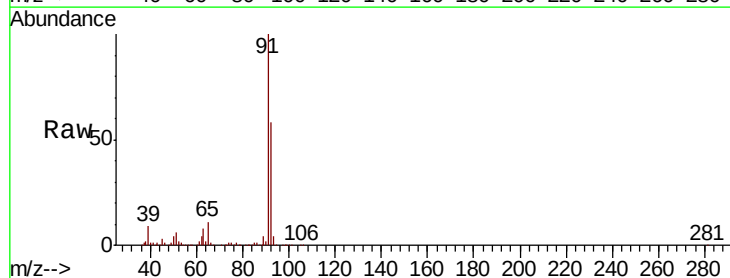
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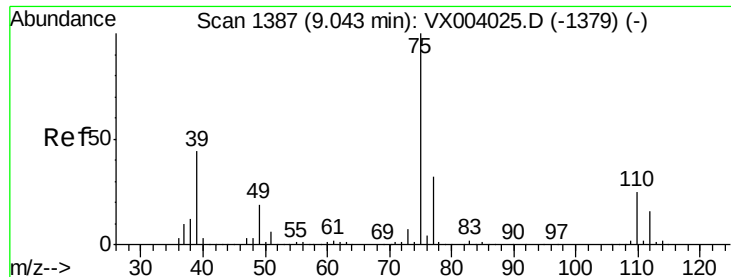
MMDadoda  
8/16/2018 4:40:22 PM



#52  
Toluene  
Concen: 50.46 ug/l  
RT: 8.79 min Scan# 1345  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Tgt Ion: 92 Resp: 483163  
Ion Ratio Lower Upper  
92 100  
91 170.3 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 46.38 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW504-180814MSD

Tot Ion: 75 Resp: 240376

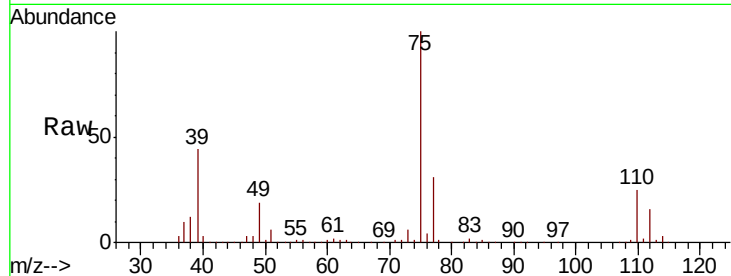
Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

Manual Integrations  
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MMDadoda  
8/16/2018 4:40:22 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

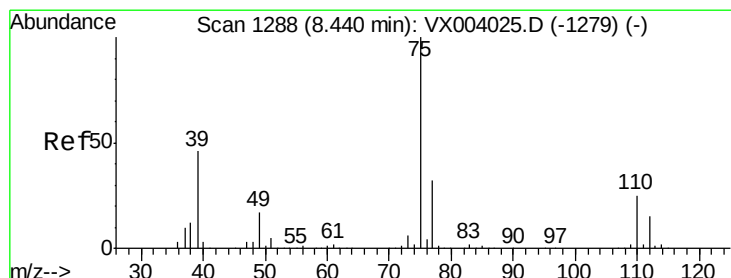
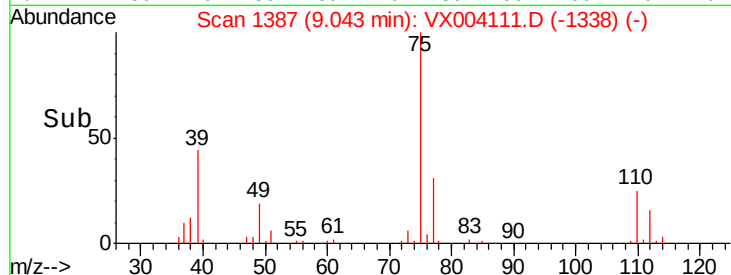
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 44.35 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

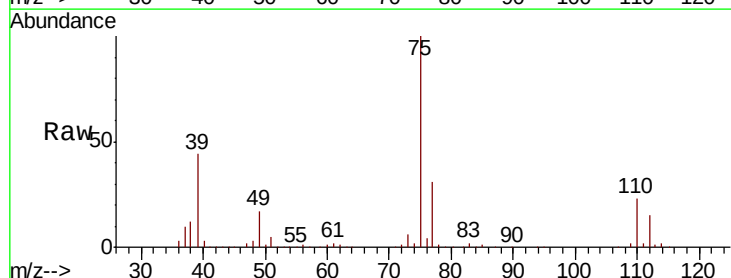
Tgt Ion: 75 Resp: 254522

Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9

39 44.4 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

200000

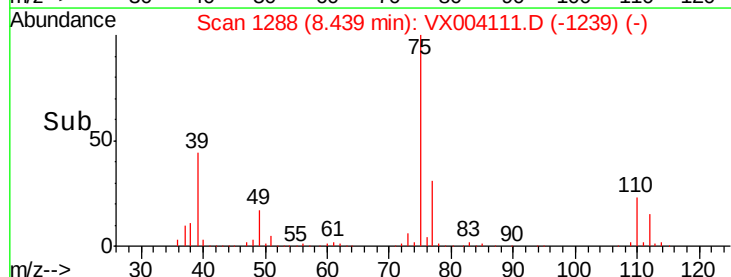
150000

100000

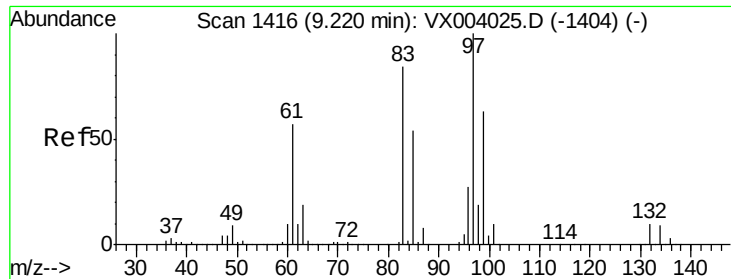
50000

0

Time-->







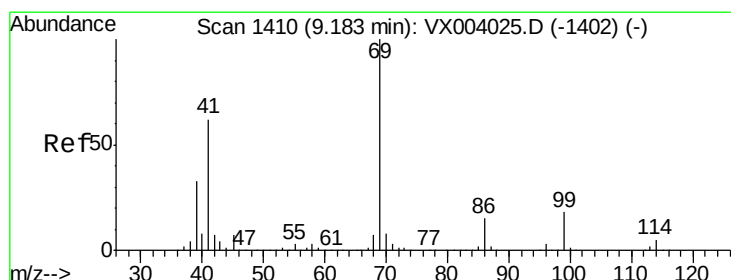
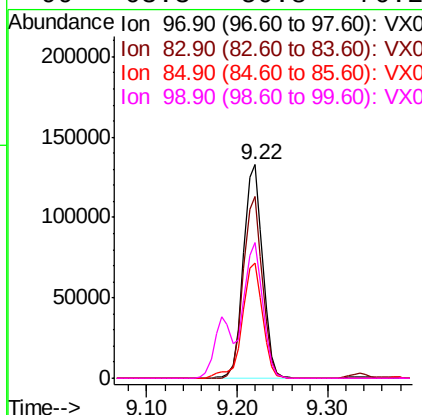
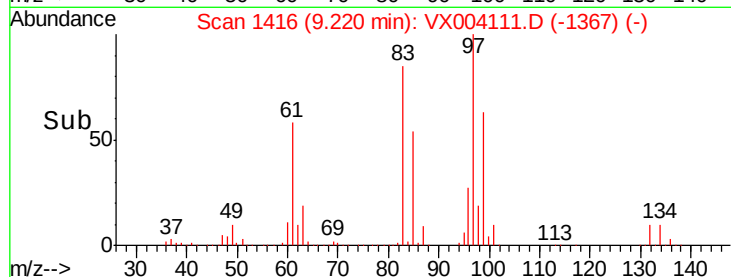
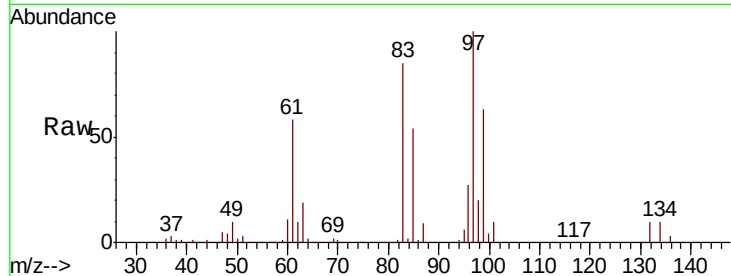
#55  
 1,1,2-Trichloroethane  
 Concen: 49.31 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 194990 |       |       |
| 83      | 85.2 | 67.8  | 101.6  |       |       |
| 85      | 54.2 | 44.2  | 66.2   |       |       |
| 99      | 63.3 | 50.8  | 76.2   |       |       |

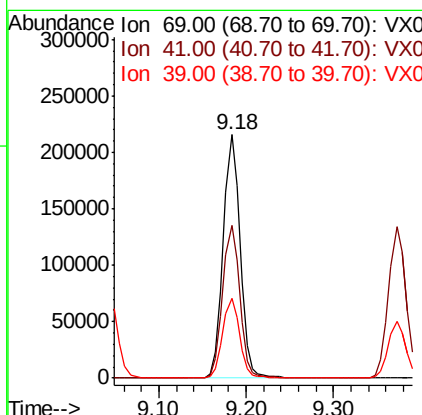
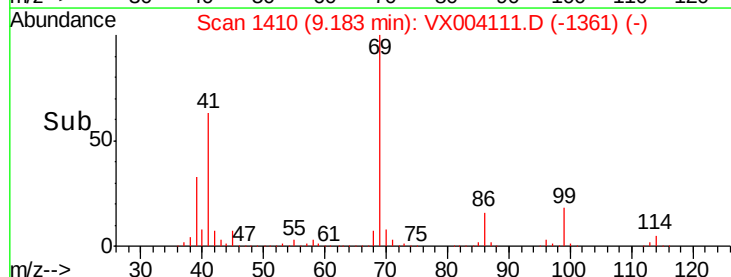
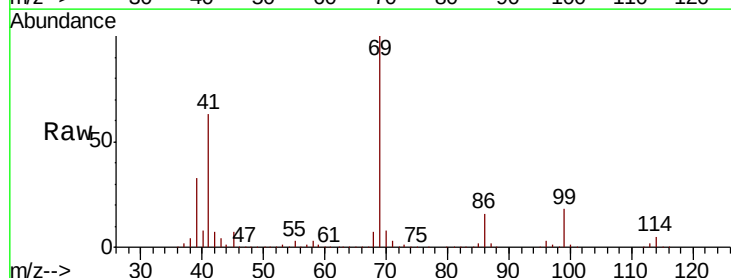
Manual Integrations  
 APPROVED

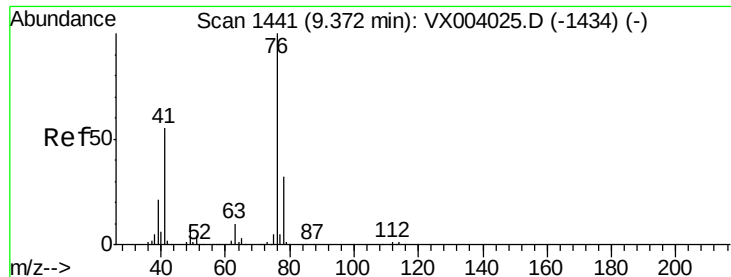
MMDadoda  
 8/16/2018 4:40:22 PM



#56  
 Ethyl methacrylate  
 Concen: 53.71 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 288821 |       |       |
| 41      | 63.7 | 50.6  | 76.0   |       |       |
| 39      | 32.9 | 25.8  | 38.6   |       |       |





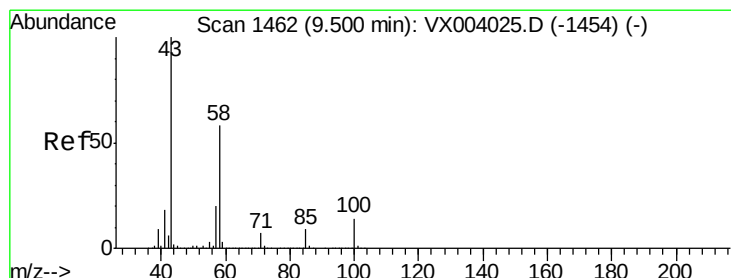
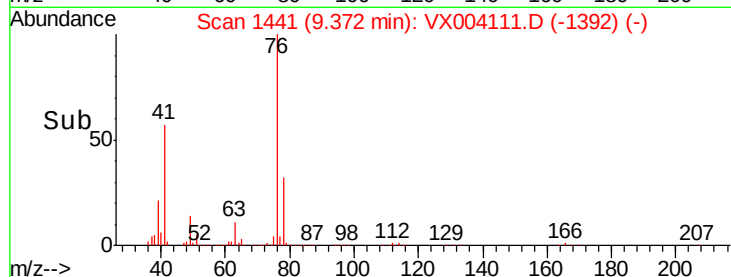
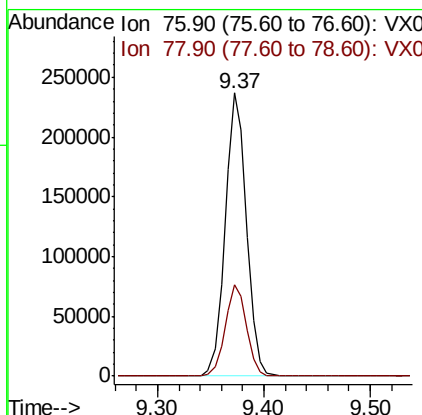
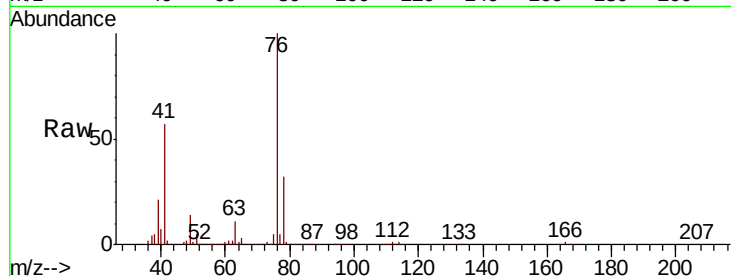
#57  
 1,3-Dichloropropane  
 Concen: 50.19 ug/l  
 RT: 9.37 min Scan# 1441  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.3  | 25.9  | 38.9  |

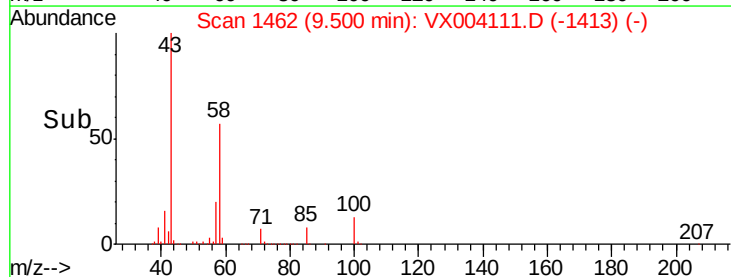
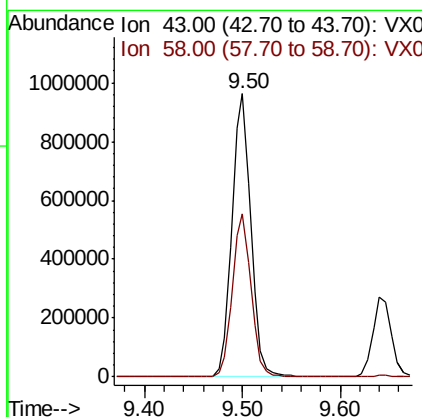
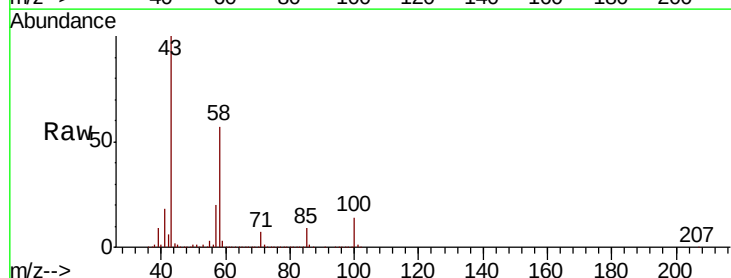
Manual Integrations  
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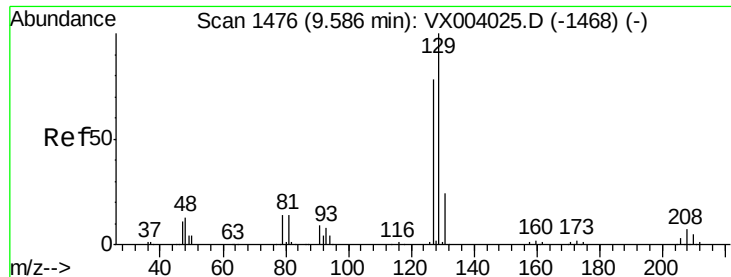
MMDadoda  
 8/16/2018 4:40:22 PM



#59  
 2-Hexanone  
 Concen: 257.87 ug/l  
 RT: 9.50 min Scan# 1462  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 57.4  | 29.0  | 87.0  |





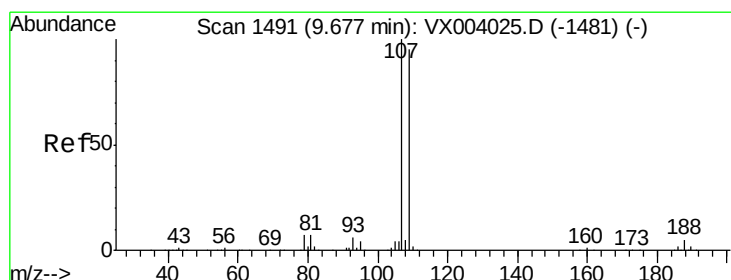
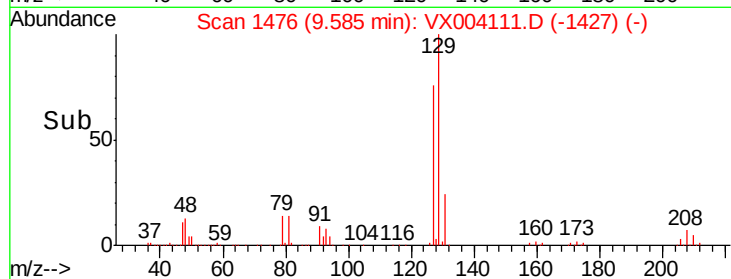
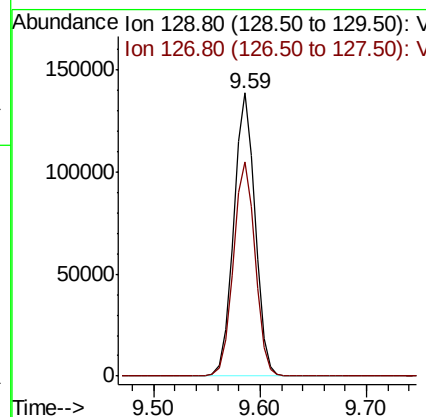
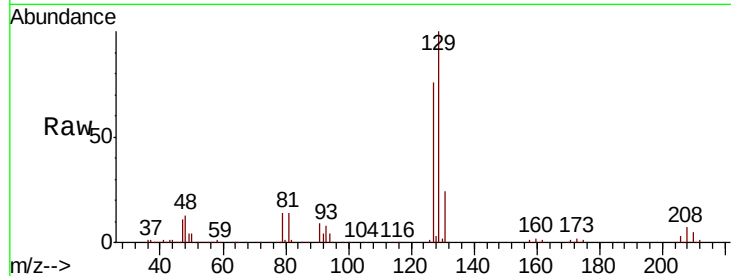
#60  
 Dibromochloromethane  
 Concen: 51.51 ug/l  
 RT: 9.59 min Scan# 1476  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 77.0  | 38.8  | 116.3 |

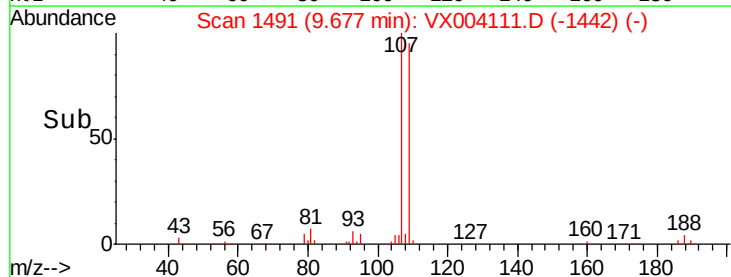
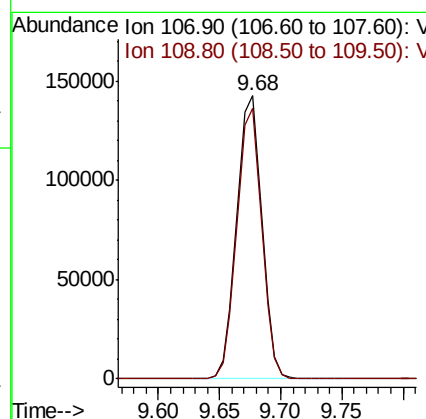
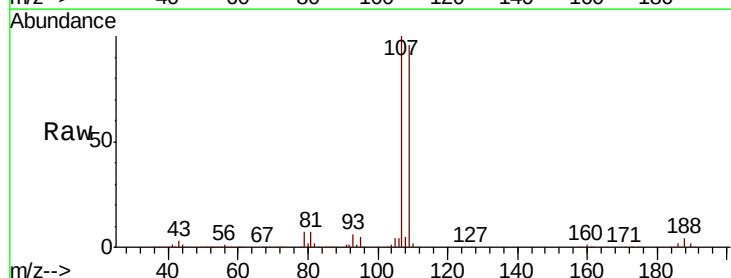
Manual Integrations  
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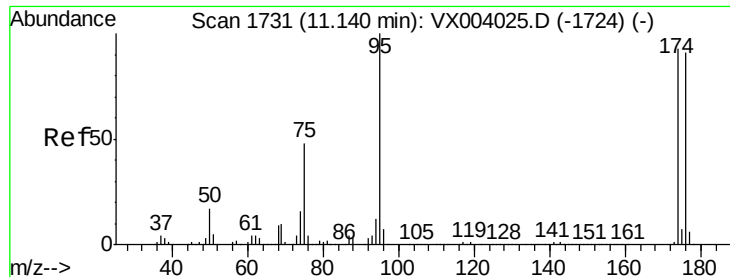
MMDadoda  
 8/16/2018 4:40:22 PM



#61  
 1,2-Dibromoethane  
 Concen: 50.32 ug/l  
 RT: 9.68 min Scan# 1491  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.8  | 75.8  | 113.8 |





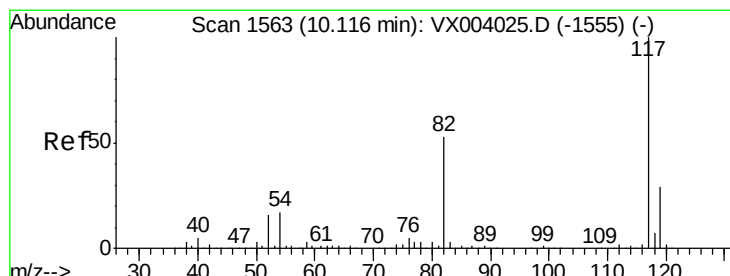
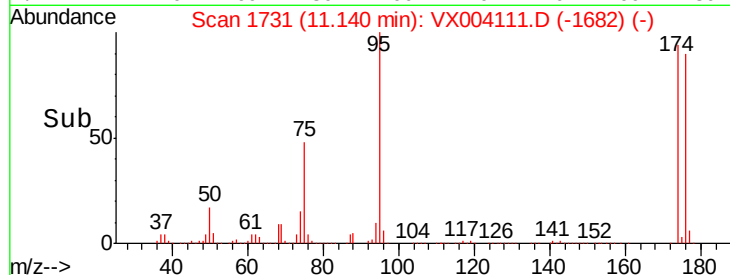
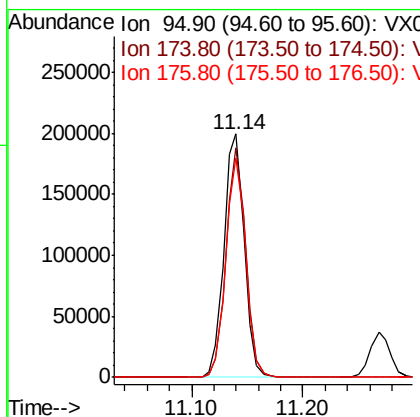
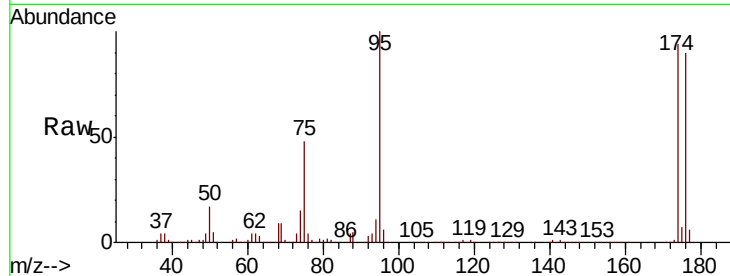
#62  
4-Bromofluorobenzene  
Concen: 51.33 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 250343 |       |       |
| 174     | 91.6  | 0.0    | 182.8 |       |
| 176     | 88.5  | 0.0    | 179.0 |       |

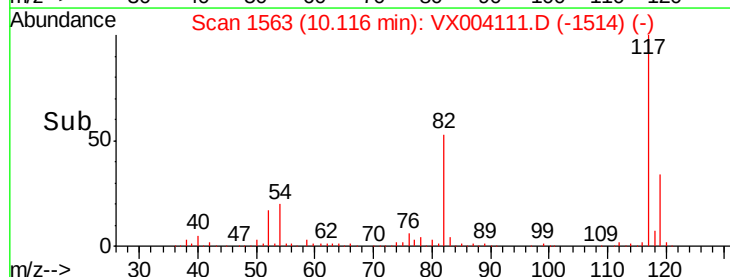
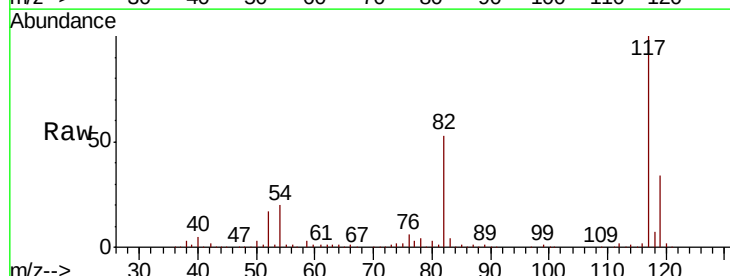
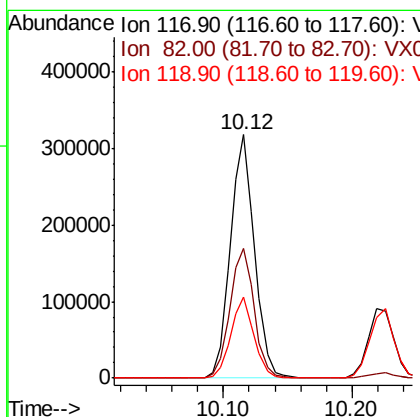
Manual Integrations  
APPROVED

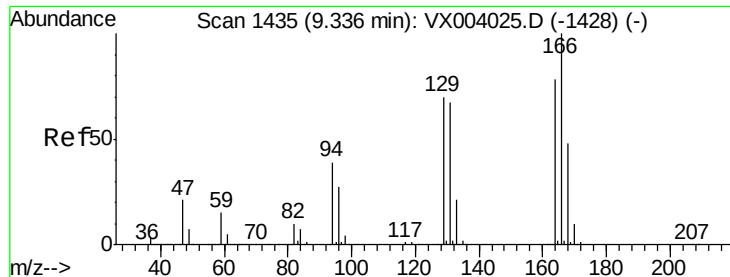
MMDadoda  
8/16/2018 4:40:22 PM



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 416207 |       |       |
| 82      | 53.1  | 45.4   | 68.0  |       |
| 119     | 33.5  | 26.6   | 40.0  |       |





#64

Tetrachloroethene

Concen: 46.09 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

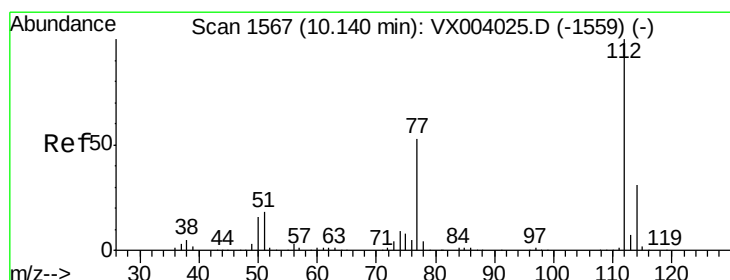
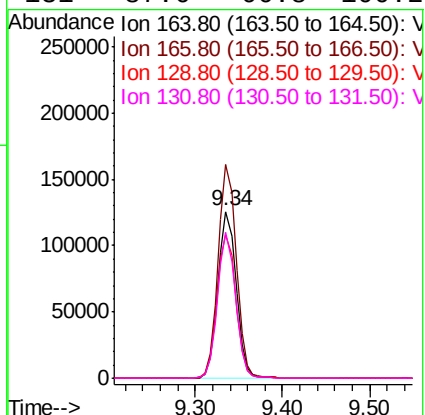
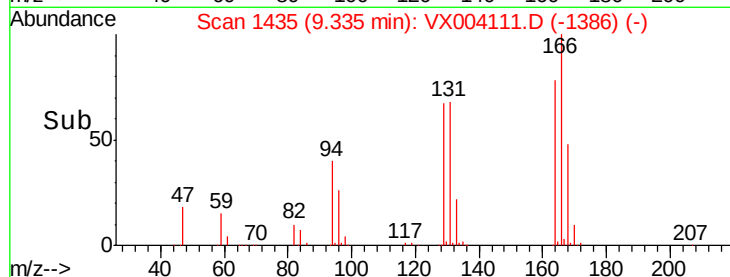
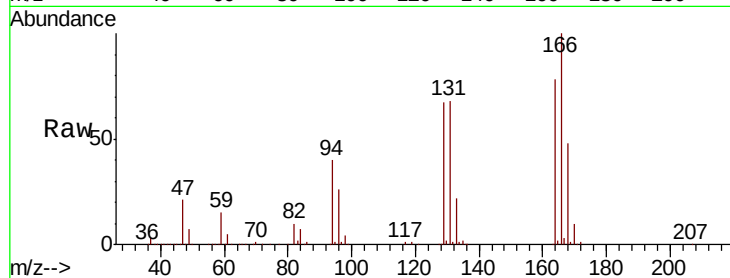
ClientSampleId :

SS050MW504-180814MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 166     | 128.1 | 98.0 | 147.0 |       |
| 129     | 85.9  | 64.3 | 96.5  |       |
| 131     | 87.6  | 66.8 | 100.2 |       |

Manual Integrations  
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8/16/2018 4:40:22 PM



#65

Chlorobenzene

Concen: 48.30 ug/l

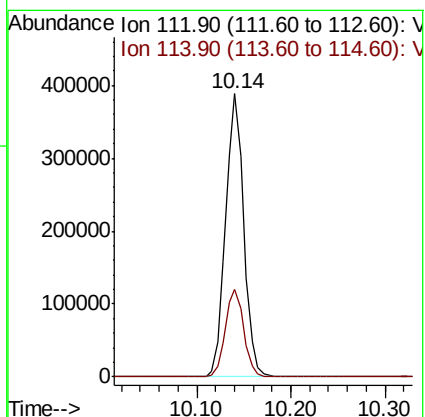
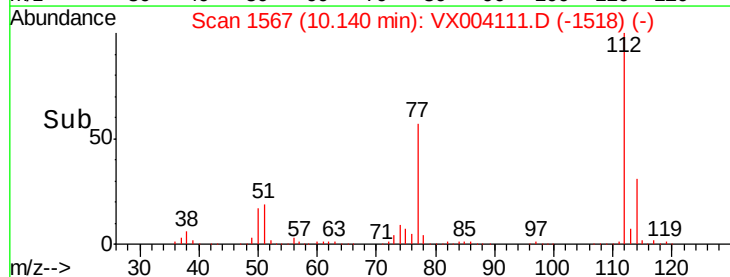
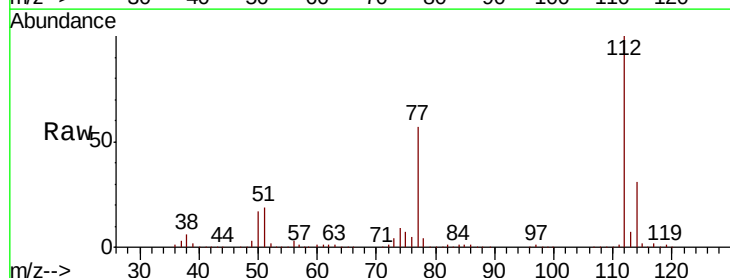
RT: 10.14 min Scan# 1567

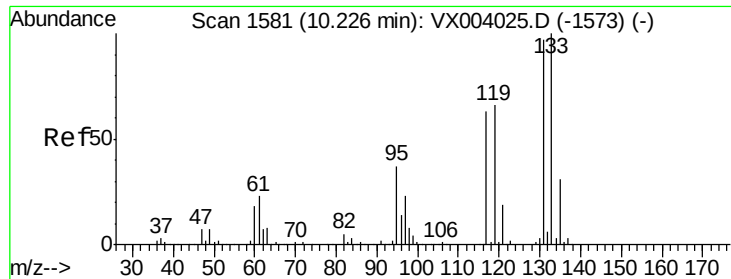
Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 112     | 100   |      |       |       |
| 114     | 31.1  | 23.6 | 35.4  |       |





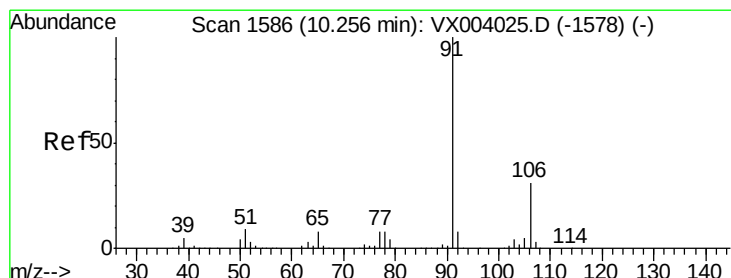
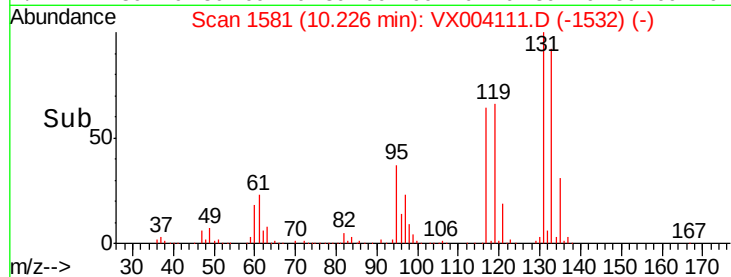
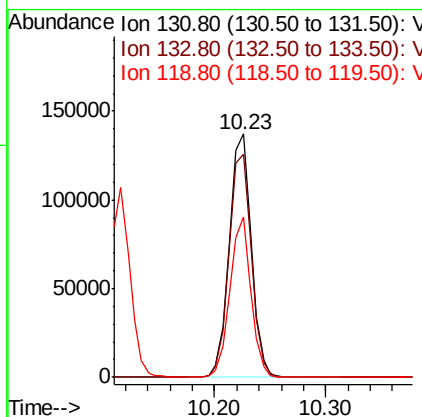
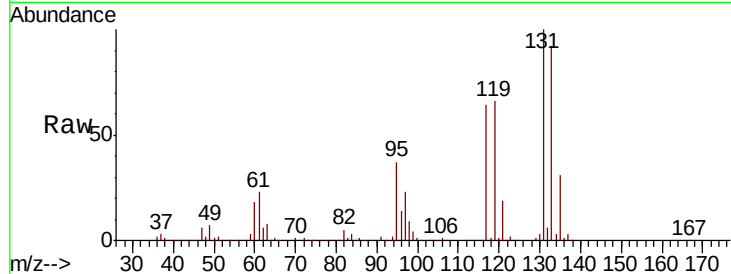
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 50.98 ug/l  
 RT: 10.23 min Scan# 1581  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 186918 |       |       |
| 133     | 93.9  | 47.3   | 141.8 |       |
| 119     | 63.0  | 31.6   | 94.8  |       |

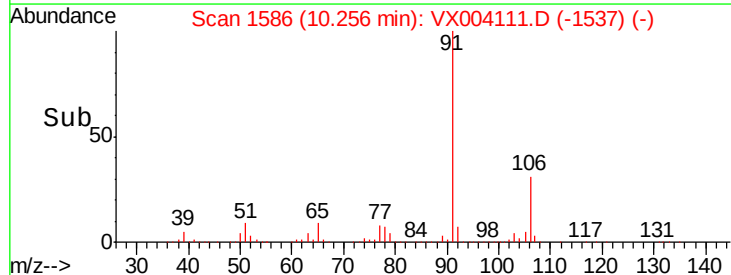
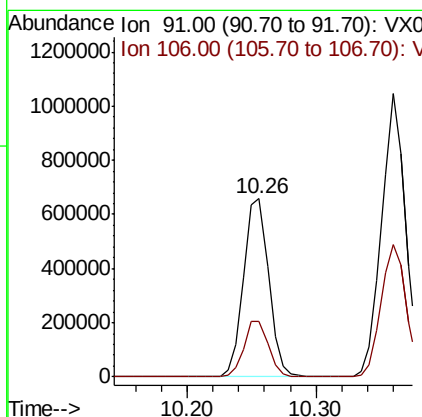
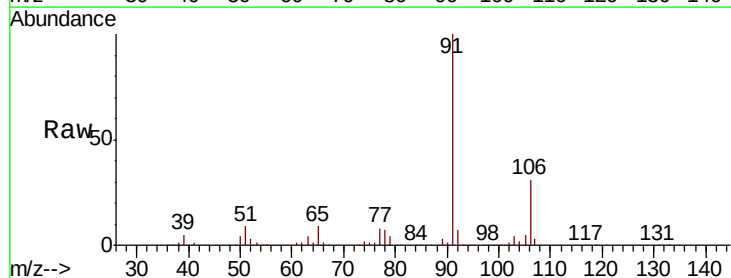
Manual Integrations  
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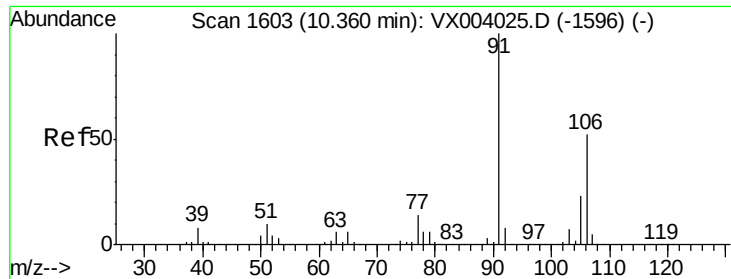
MMDadoda  
 8/16/2018 4:40:22 PM



#67  
 Ethyl Benzene  
 Concen: 52.28 ug/l  
 RT: 10.26 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 890018 |       |       |
| 106     | 31.2  | 25.9   | 38.9  |       |





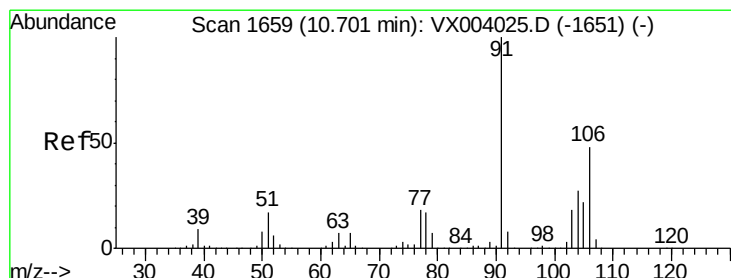
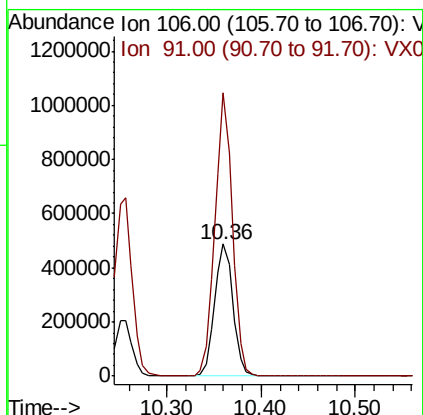
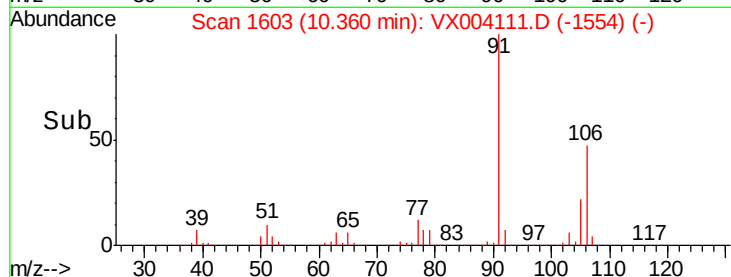
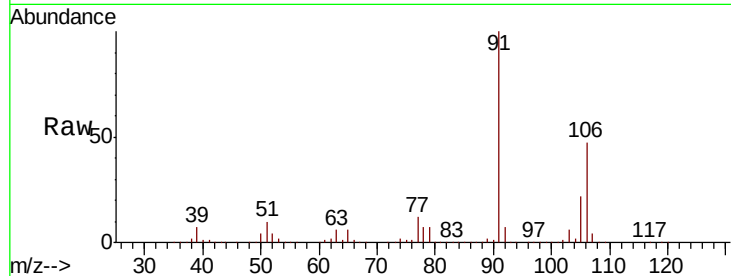
#68  
m/p-Xylenes  
Concen: 98.89 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

Tot Ion:106 Resp: 659248  
Ion Ratio Lower Upper  
106 100  
91 204.7 162.3 243.5

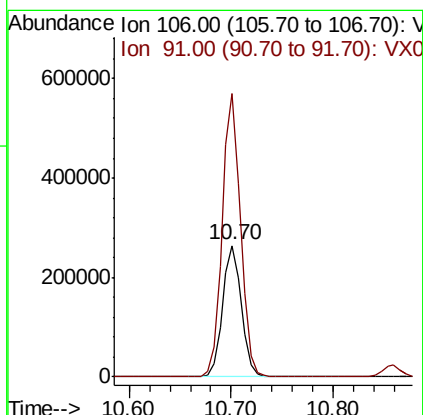
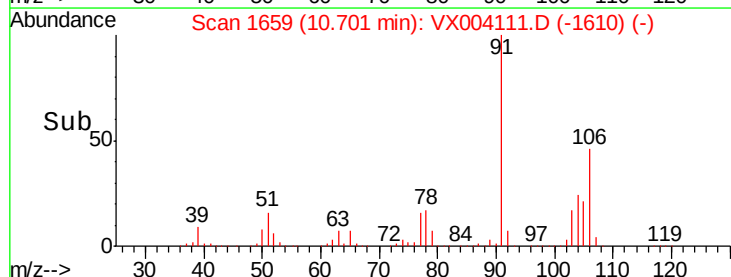
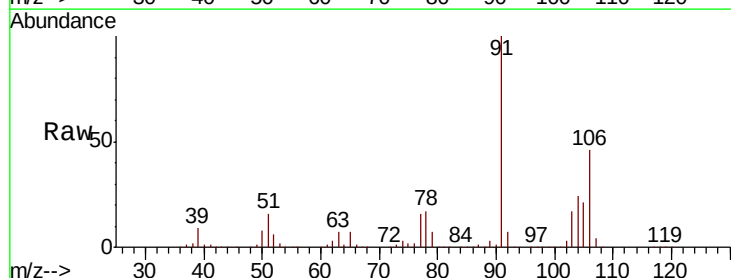
Manual Integrations  
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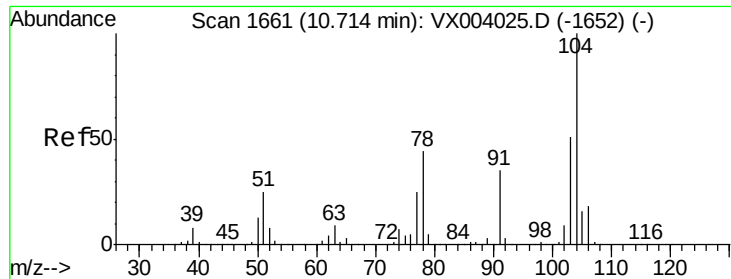
MMDadoda  
8/16/2018 4:40:22 PM



#69  
o-Xylene  
Concen: 52.82 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Tgt Ion:106 Resp: 336541  
Ion Ratio Lower Upper  
106 100  
91 212.2 101.9 305.7





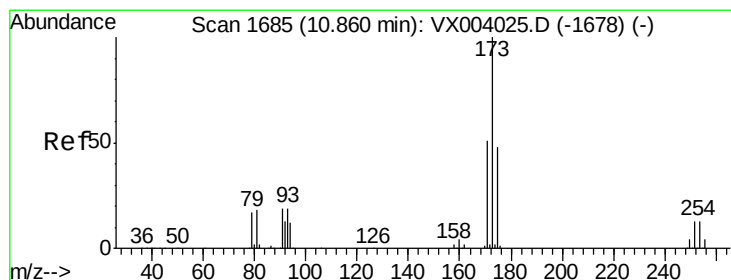
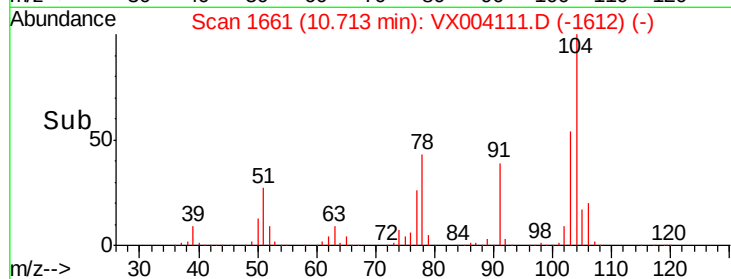
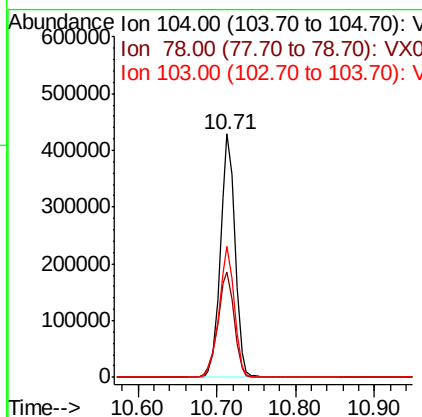
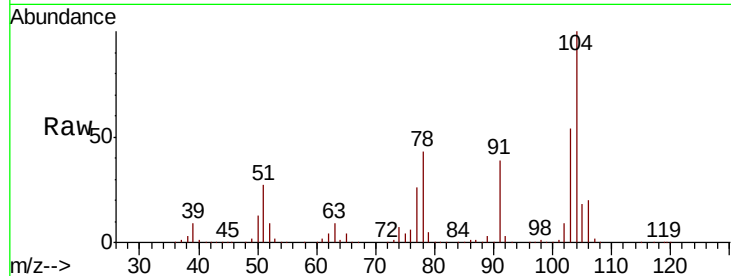
#70  
Stvrene  
Concen: 51.84 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 104     | 100   |       |       |
| 78      | 48.4  | 39.8  | 59.6  |
| 103     | 56.5  | 44.3  | 66.5  |

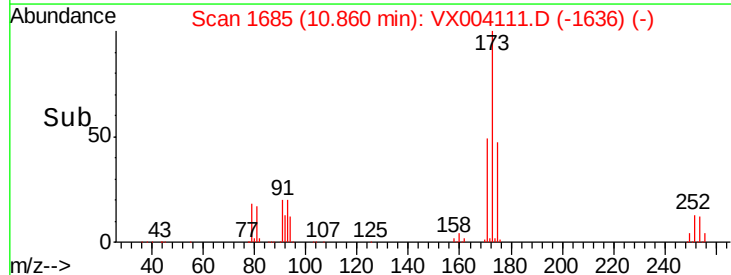
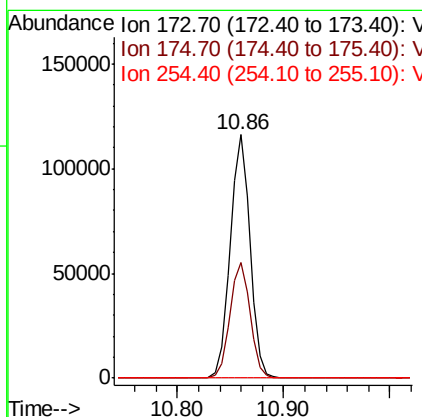
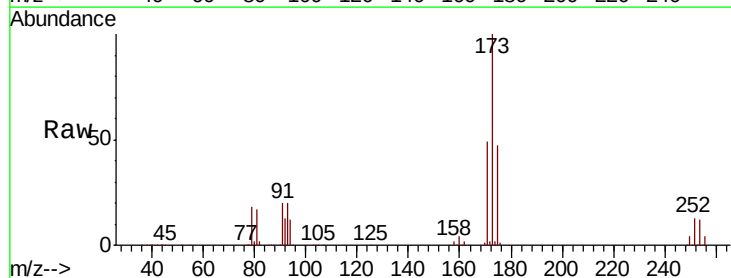
Manual Integrations  
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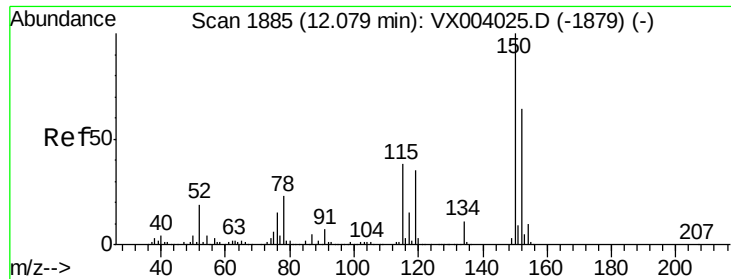


#71  
Bromoform  
Concen: 52.18 ug/l  
RT: 10.86 min Scan# 1685  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.4  | 24.9  | 74.7  |
| 254     | 0.2   | 0.2   | 0.2   |







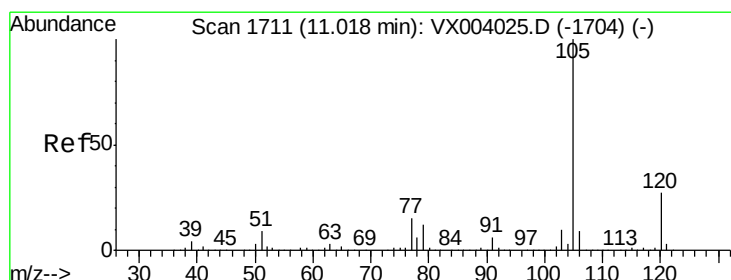
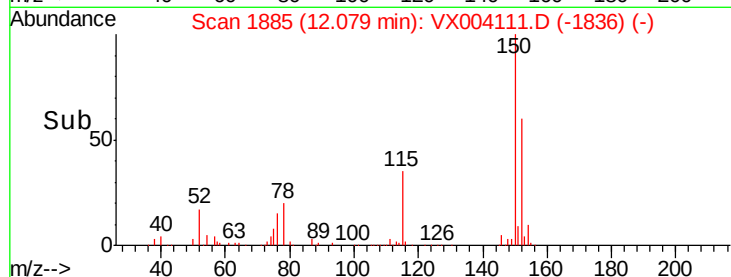
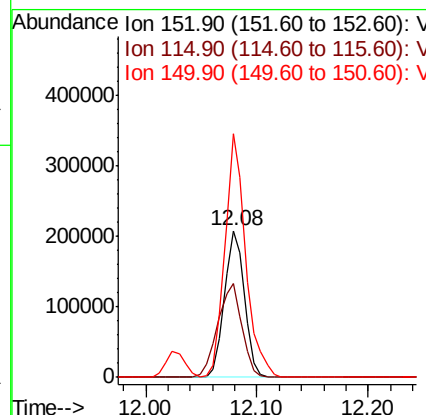
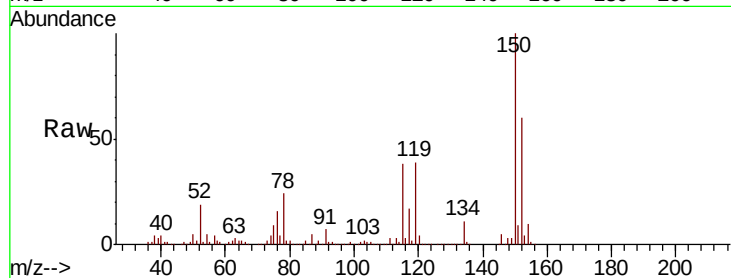
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.08 min Scan# 1885  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 256361 |       |       |
| 115     | 77.9  | 39.1   | 117.3 |       |
| 150     | 174.5 | 0.0    | 349.2 |       |

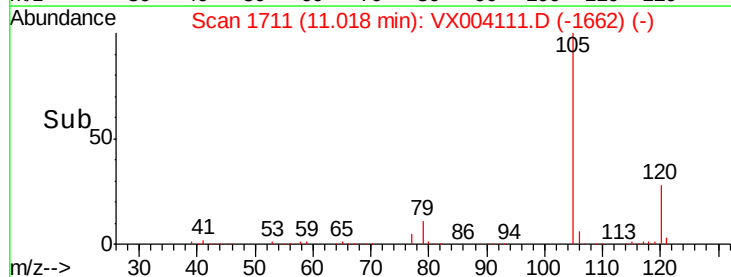
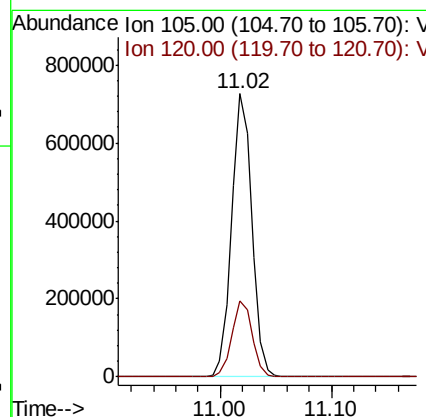
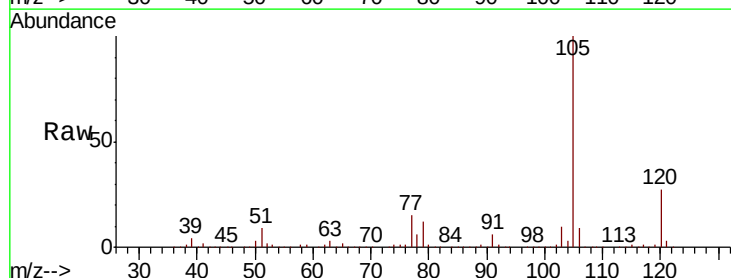
Manual Integrations  
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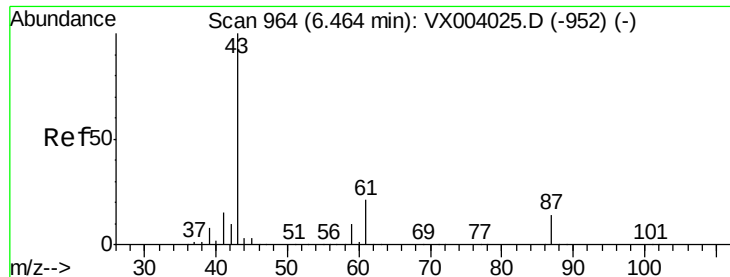
MMDadoda  
 8/16/2018 4:40:22 PM



#73  
 Isopropylbenzene  
 Concen: 52.71 ug/l  
 RT: 11.02 min Scan# 1711  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 914515 |       |       |
| 120     | 26.9  | 12.6   | 37.8  |       |





#74

N-amvl acetate

Concen: 48.43 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

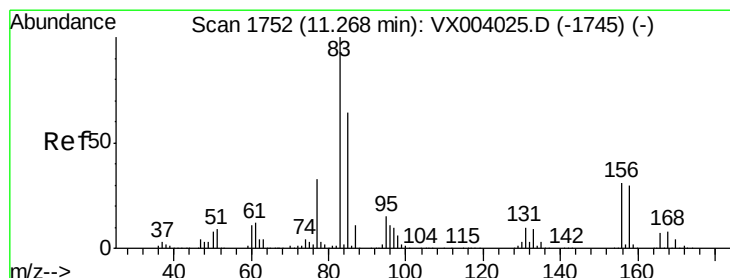
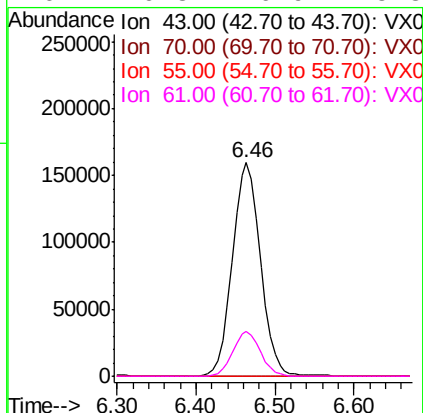
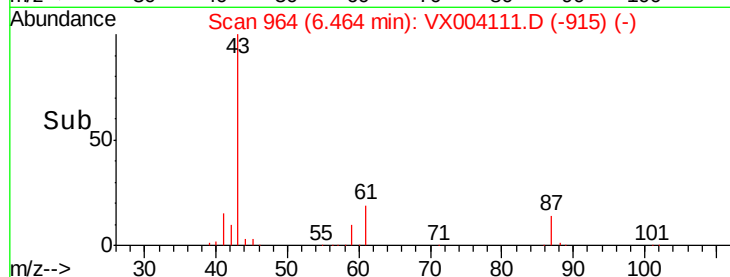
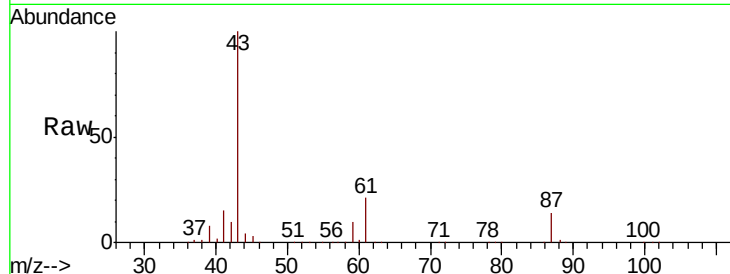
ClientSampleId :

SS050MW504-180814MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 395181 |       |       |
| 70      | 0.0   | 0.0    | 0.0   | 0.0   |
| 55      | 0.1   | 0.1    | 0.1   | 0.1   |
| 61      | 20.8  | 16.9   | 25.3  |       |

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.09 ug/l

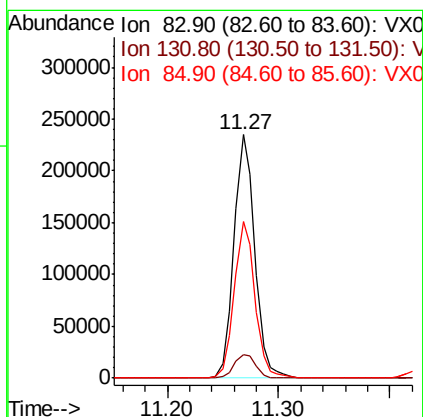
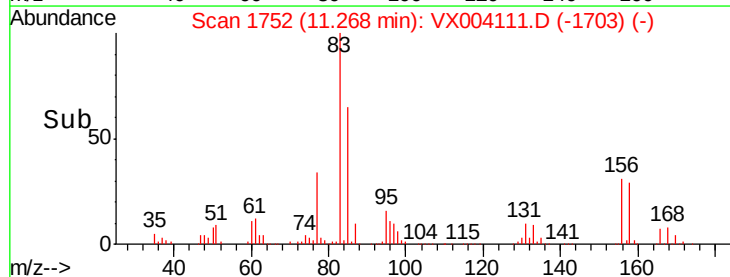
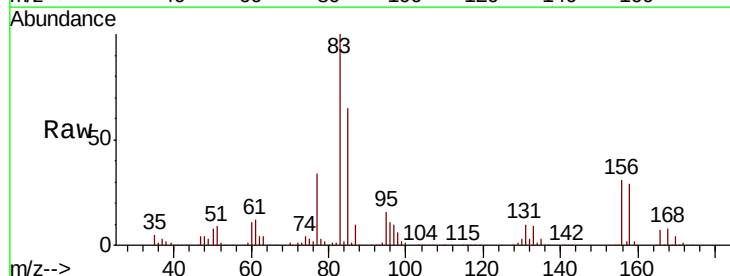
RT: 11.27 min Scan# 1752

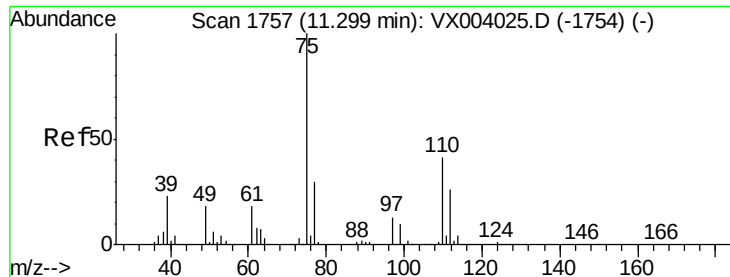
Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 303455 |       |       |
| 131     | 10.3  | 5.2    | 15.6  |       |
| 85      | 64.1  | 32.2   | 96.6  |       |





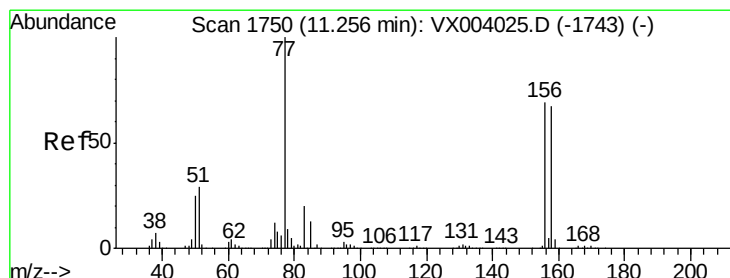
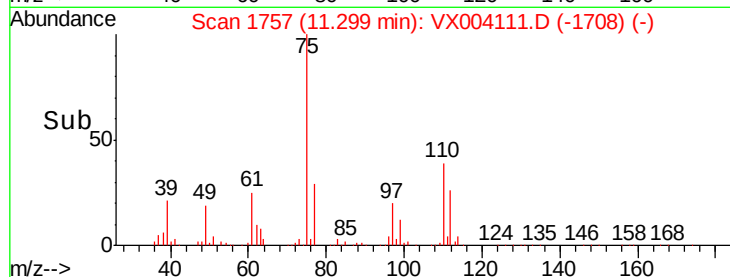
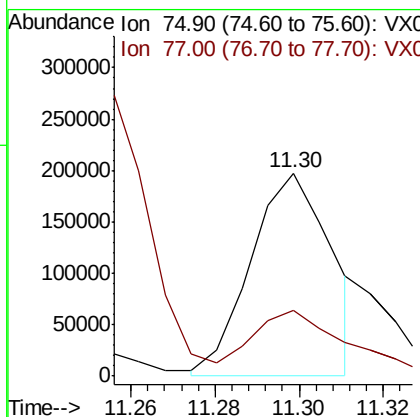
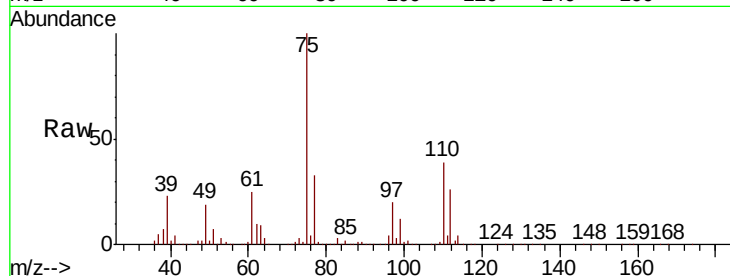
#76  
 1,2,3-Trichloropropane  
 Concen: 51.27 ug/l m  
 RT: 11.30 min Scan# 1757  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

Tot Ion: 75 Resp: 263576  
 Ion Ratio Lower Upper  
 75 100  
 77 38.5 20.8 62.5

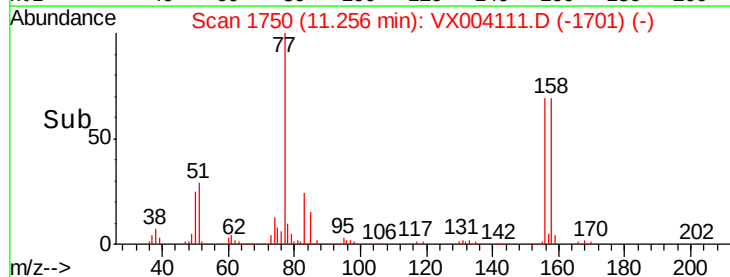
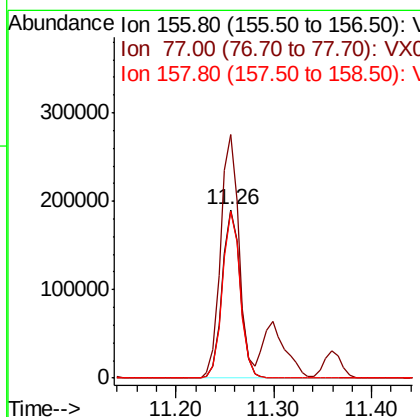
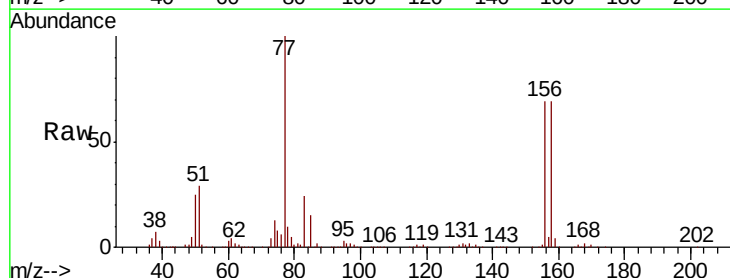
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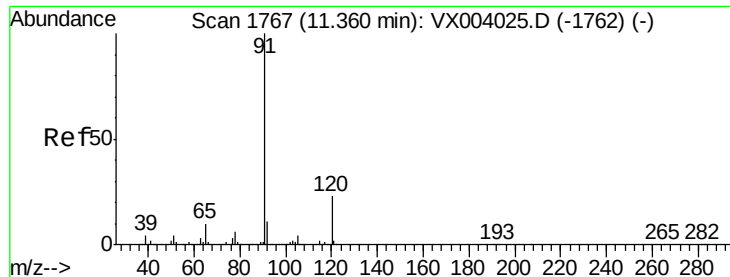
MMDadoda  
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#77  
 Bromobenzene  
 Concen: 50.93 ug/l  
 RT: 11.26 min Scan# 1750  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Tgt Ion: 156 Resp: 243576  
 Ion Ratio Lower Upper  
 156 100  
 77 147.2 74.1 222.2  
 158 98.0 48.6 145.9





#78

n-propylbenzene

Concen: 50.25 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW504-180814MSD

Tot Ion: 91 Resp: 975555

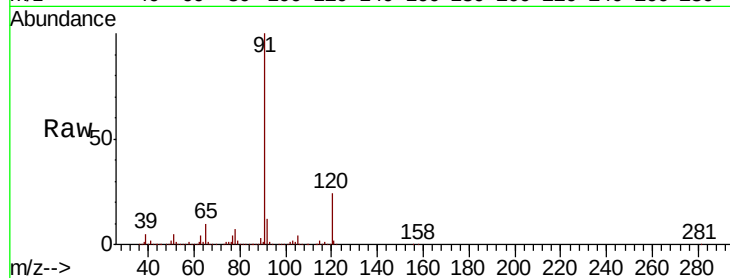
Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.5

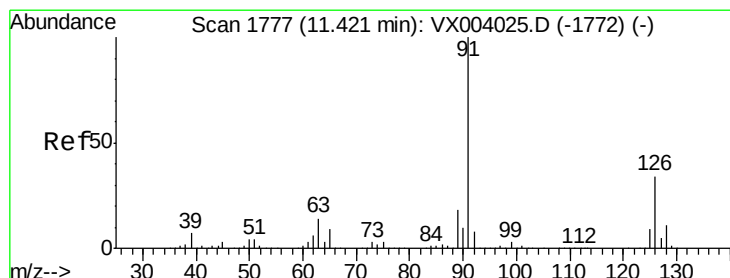
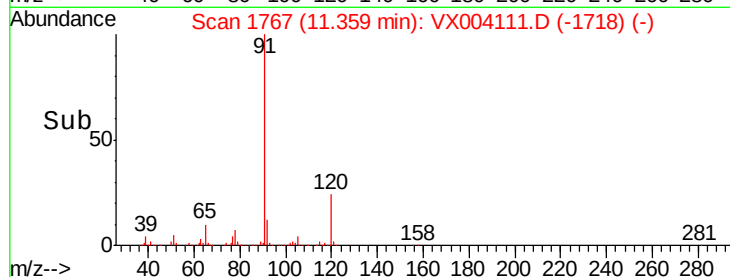
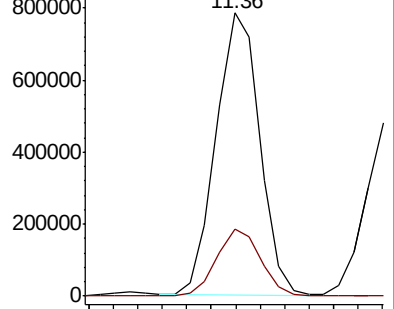
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 49.56 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004111.D

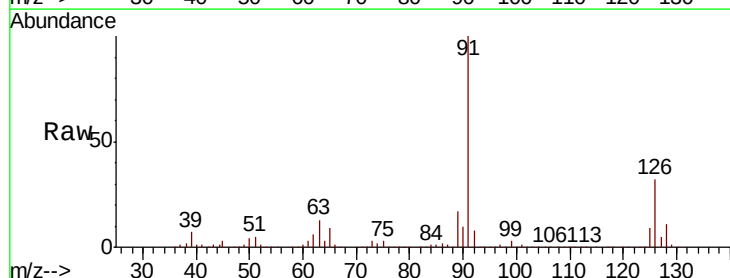
Acq: 16 Aug 2018 09:20

Tgt Ion: 91 Resp: 586320

Ion Ratio Lower Upper

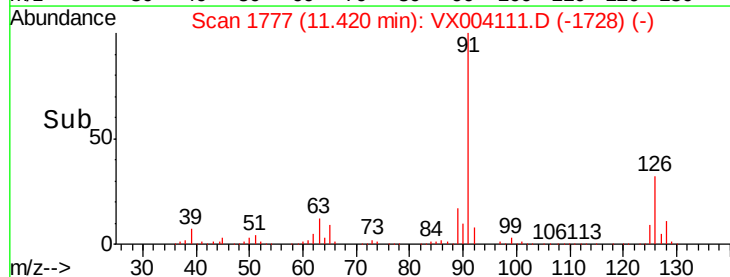
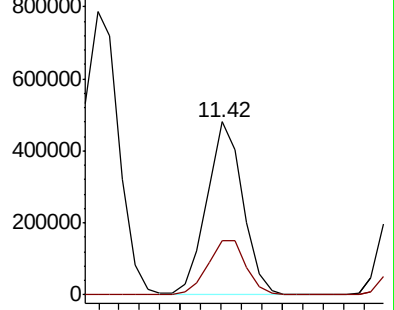
91 100

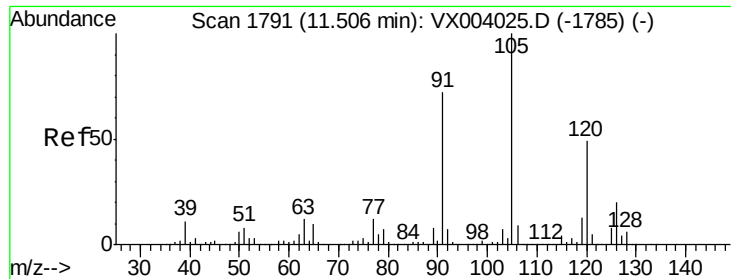
126 34.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





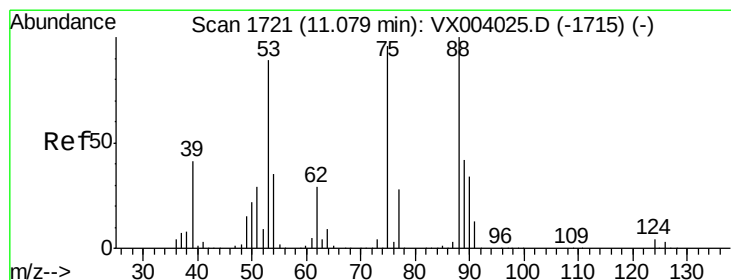
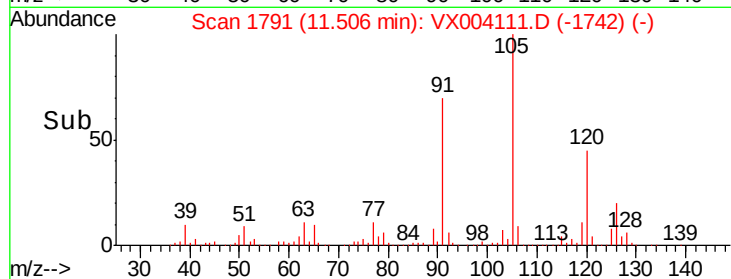
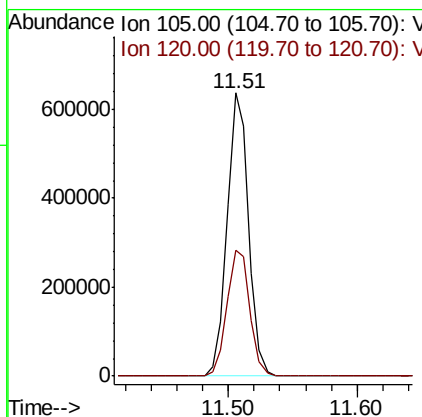
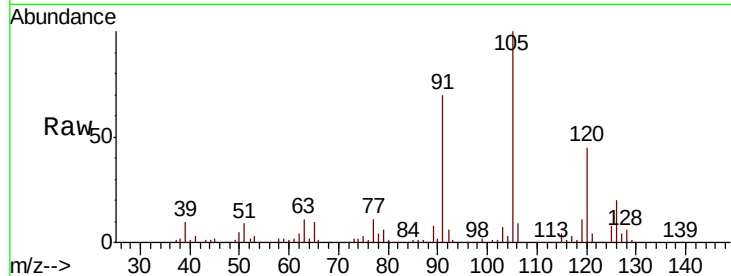
#80  
 1,3,5-Trimethylbenzene  
 Concen: 52.36 ug/l  
 RT: 11.51 min Scan# 1791  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

Tot Ion:105 Resp: 743811  
 Ion Ratio Lower Upper  
 105 100  
 120 47.5 25.4 76.2

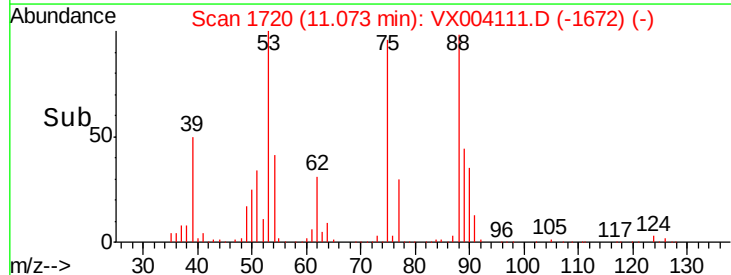
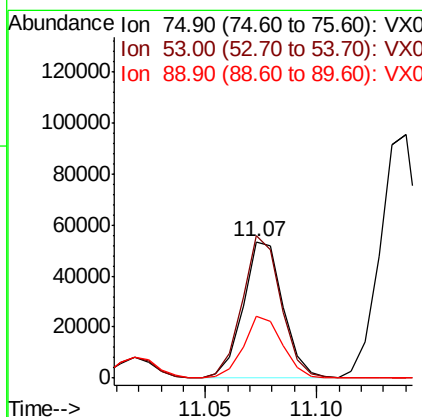
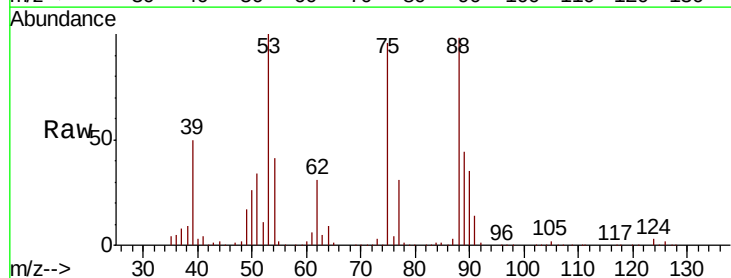
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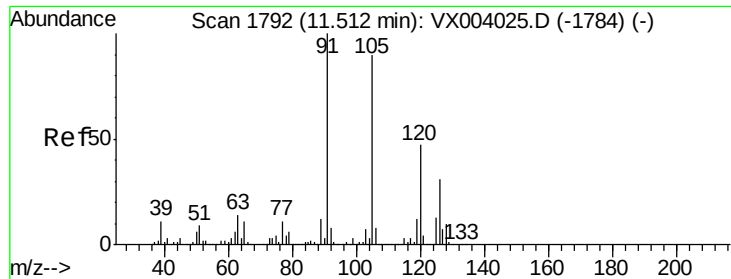
MMDadoda  
 8/16/2018 4:40:22 PM



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 39.89 ug/l  
 RT: 11.07 min Scan# 1720  
 Delta R.T. -0.01 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Tgt Ion: 75 Resp: 66258  
 Ion Ratio Lower Upper  
 75 100  
 53 102.1 80.3 120.5  
 89 45.0 37.8 56.8





#82

4-Chlorotoluene

Concen: 49.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW504-180814MSD

Tot Ion: 91 Resp: 689291

Ion Ratio Lower Upper

91 100

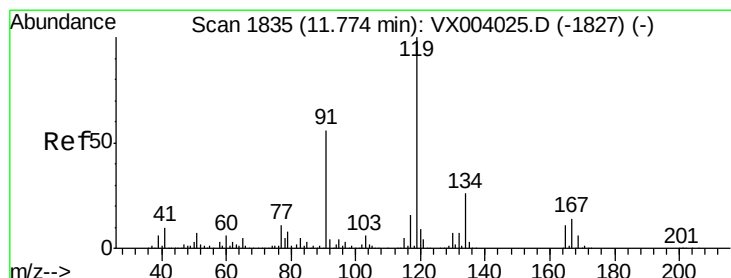
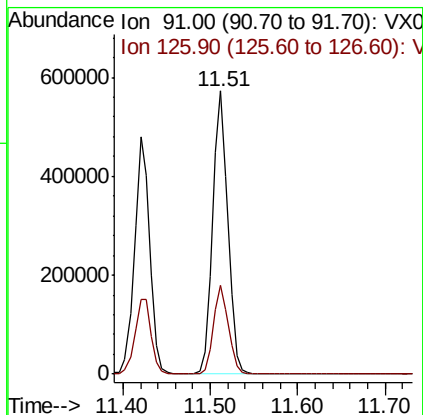
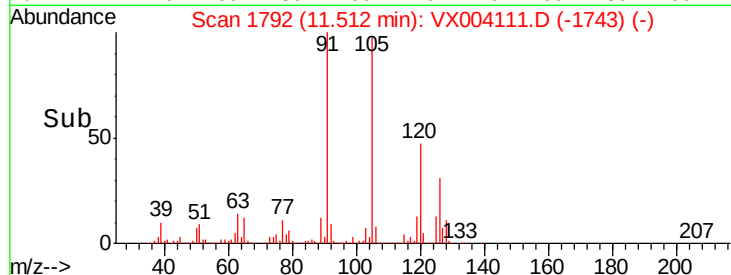
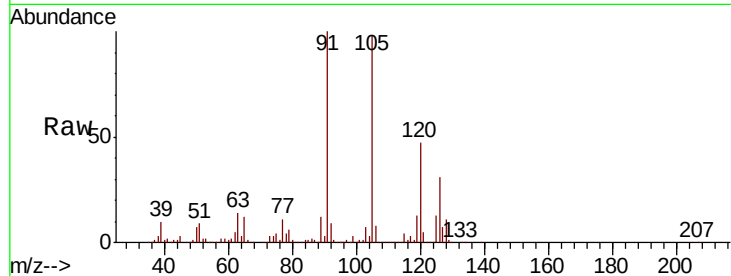
126 30.8 15.6 46.7

Manual Integrations

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#83

tert-Butylbenzene

Concen: 51.18 ug/l

RT: 11.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

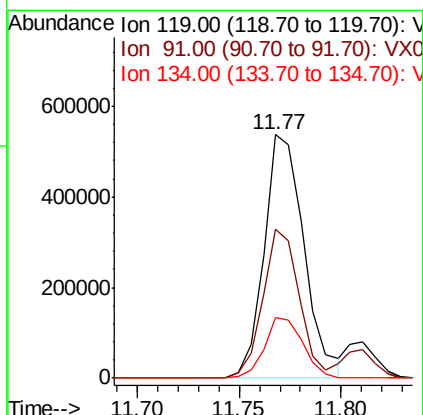
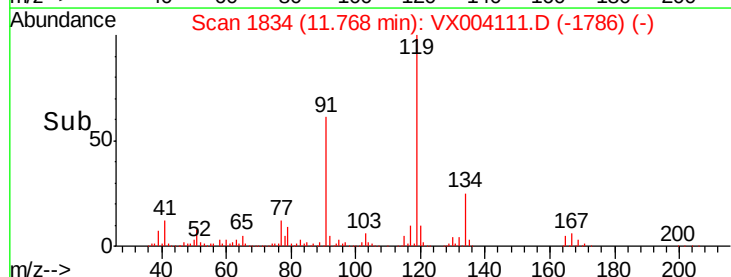
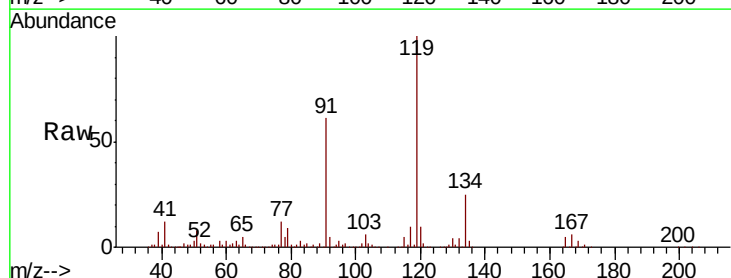
Tgt Ion: 119 Resp: 733064

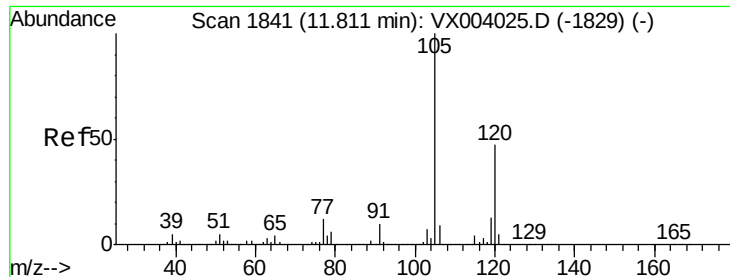
Ion Ratio Lower Upper

119 100

91 55.6 26.9 80.7

134 24.0 12.0 36.0





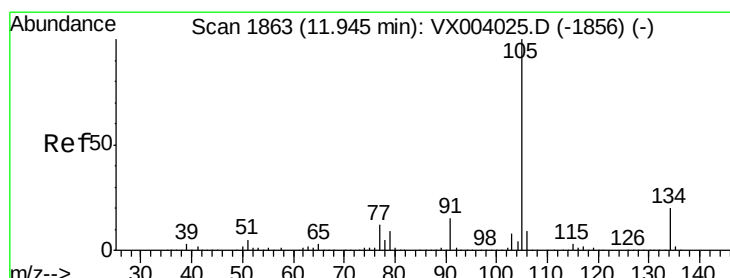
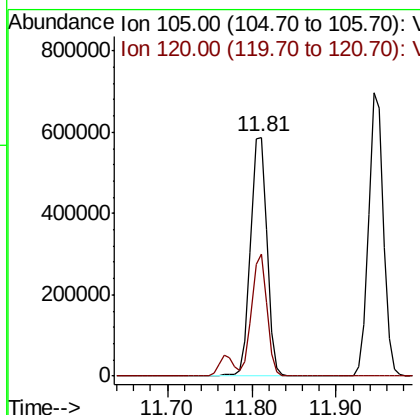
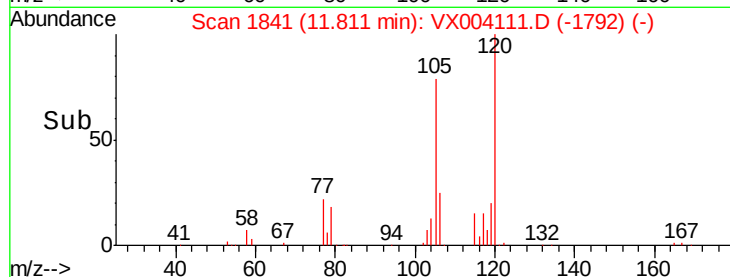
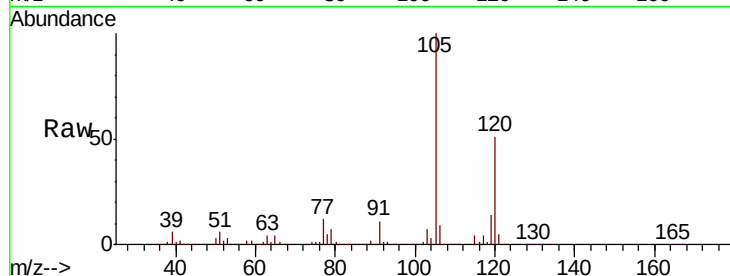
#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.80 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.6  | 23.1  | 69.2  |

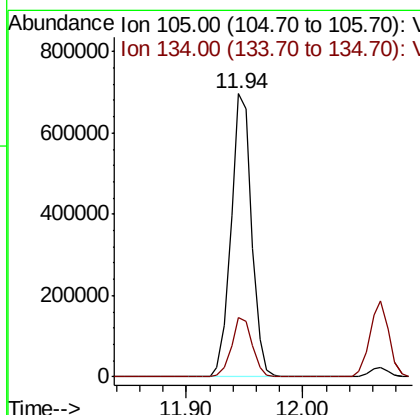
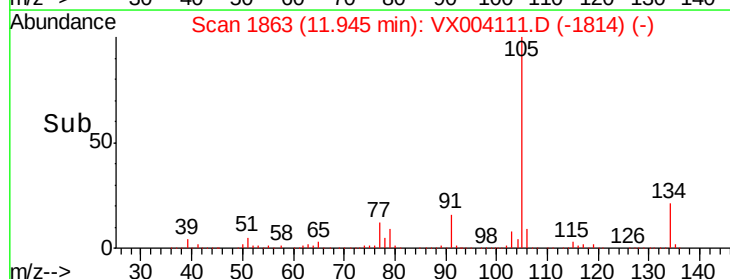
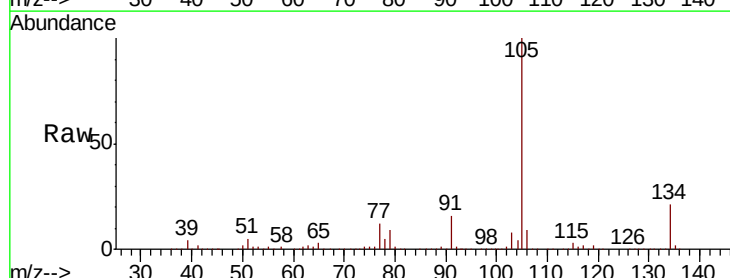
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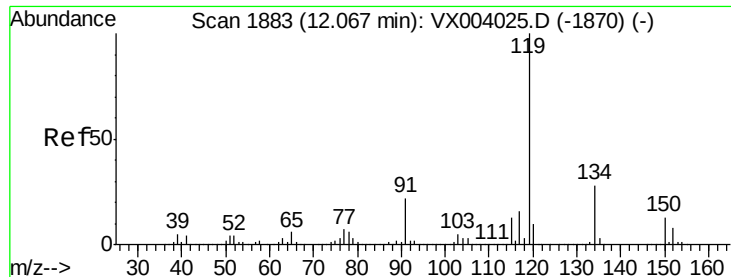
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#85  
 sec-Butylbenzene  
 Concen: 51.05 ug/l  
 RT: 11.94 min Scan# 1863  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 21.2  | 10.3  | 30.9  |





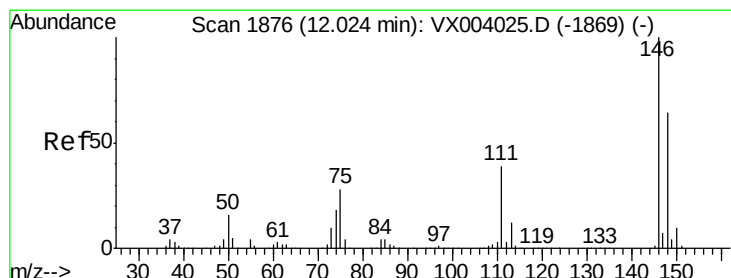
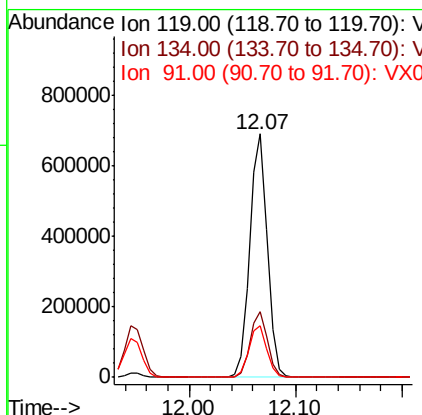
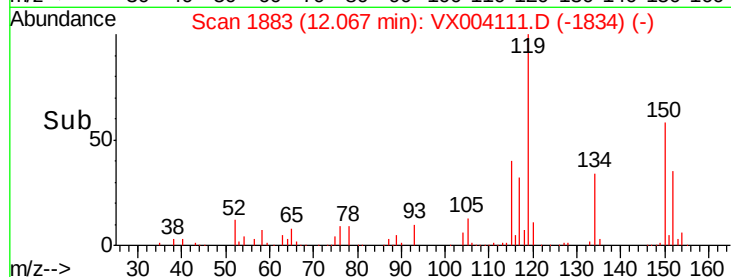
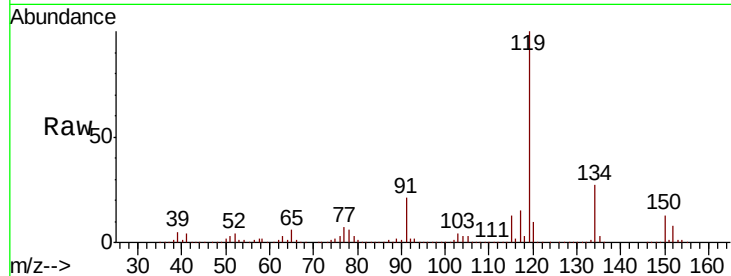
#86  
 p-Isopropyltoluene  
 Concen: 52.51 ug/l  
 RT: 12.07 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 796908 |       |       |
| 134     | 26.6  | 13.3   | 39.8  |       |
| 91      | 21.6  | 10.9   | 32.7  |       |

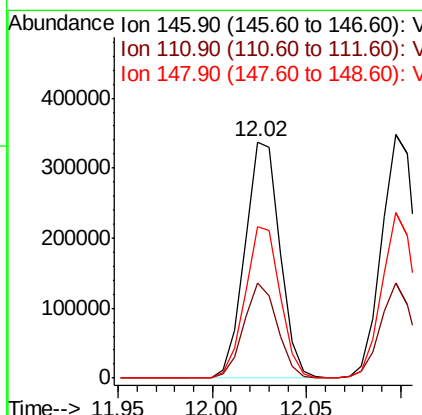
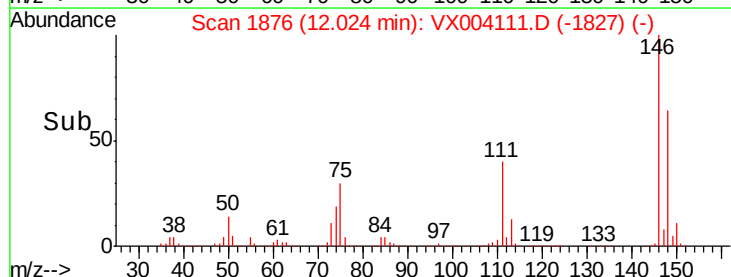
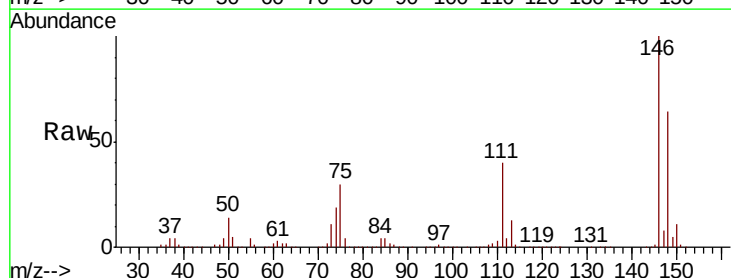
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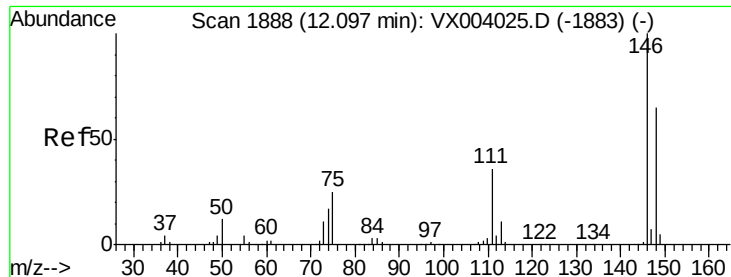


#87  
 1,3-Dichlorobenzene  
 Concen: 47.86 ug/l  
 RT: 12.02 min Scan# 1876  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 436498 |       |       |
| 111     | 38.4  | 18.8   | 56.4  |       |
| 148     | 63.9  | 31.9   | 95.5  |       |







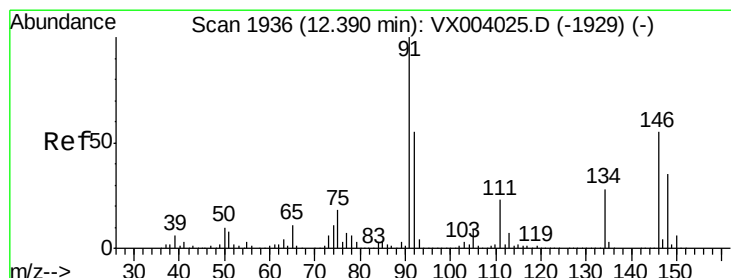
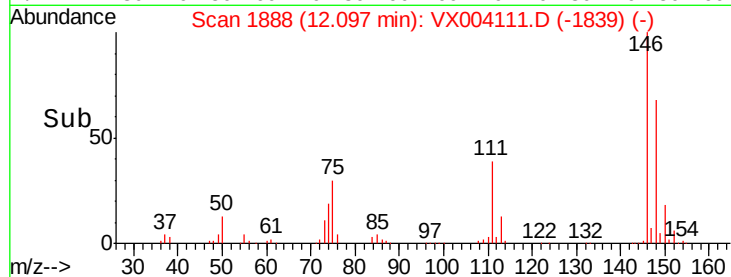
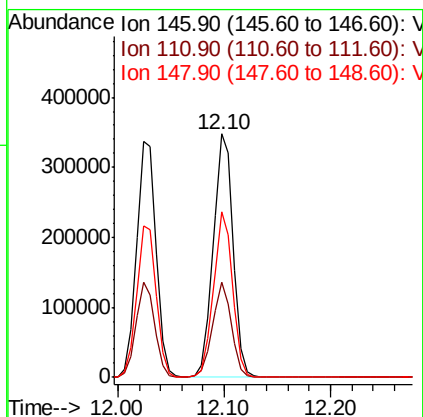
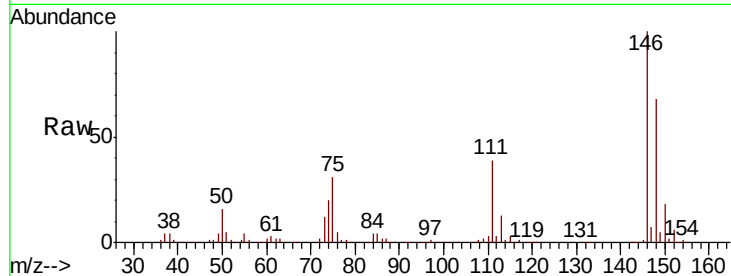
#88  
 1,4-Dichlorobenzene  
 Concen: 46.96 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 18.4  | 55.0  |
| 148     | 65.5  | 32.3  | 96.8  |

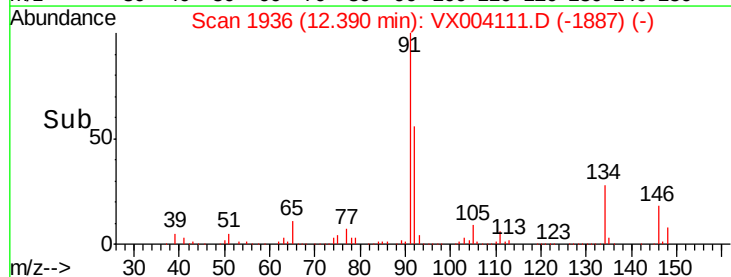
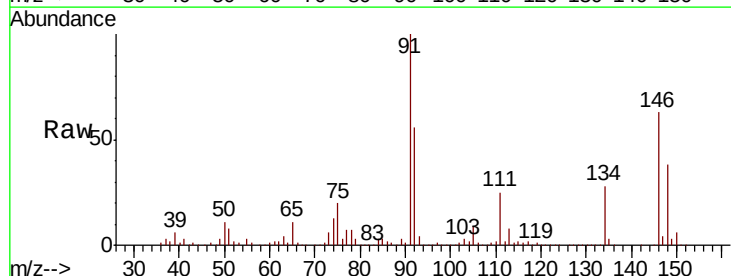
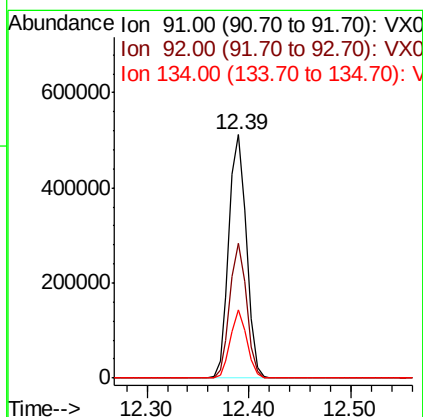
Manual Integrations  
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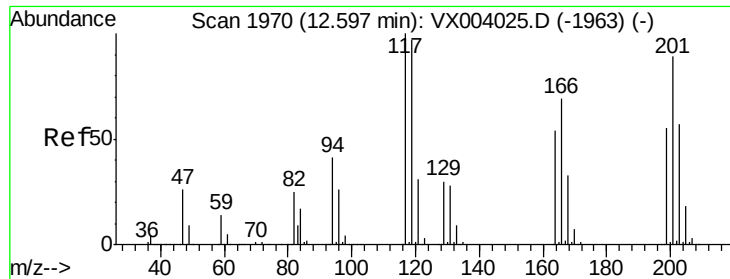
MMDadoda  
 8/16/2018 4:40:22 PM



#89  
 n-Butylbenzene  
 Concen: 50.81 ug/l  
 RT: 12.39 min Scan# 1936  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.0  | 27.1  | 81.3  |
| 134     | 26.2  | 13.6  | 40.7  |





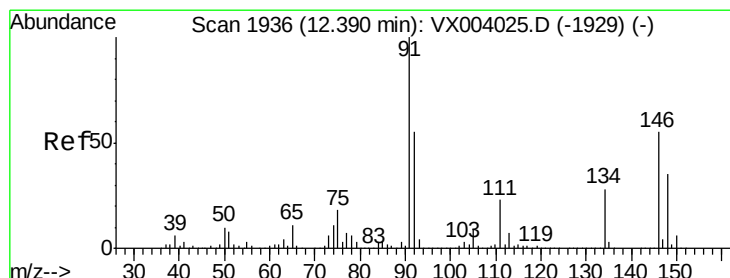
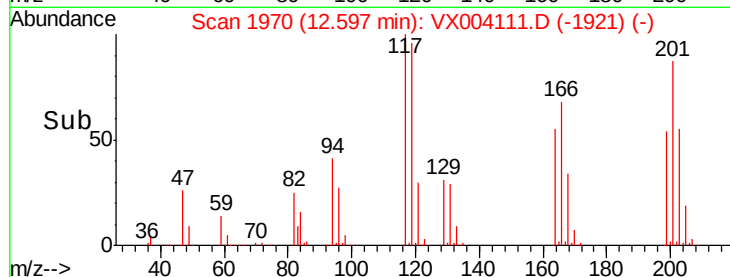
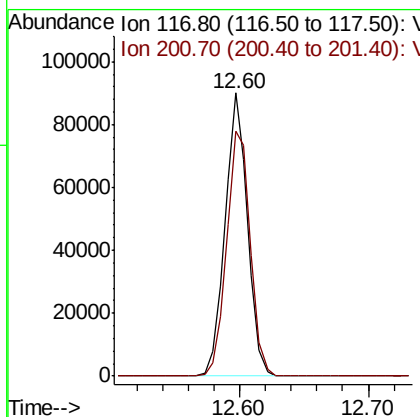
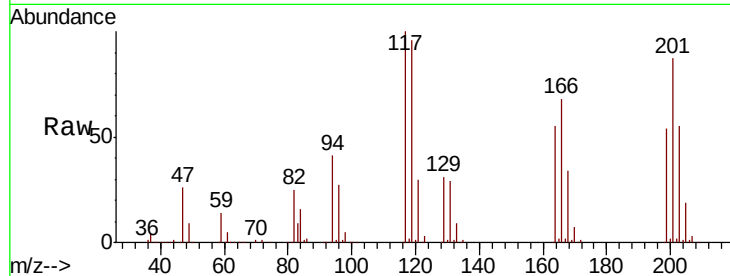
#90  
Hexachloroethane  
Concen: 48.49 ug/l  
RT: 12.60 min Scan# 1970  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW504-180814MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 110106 |       |       |
| 201     | 91.4  | 46.1   | 138.2 |       |

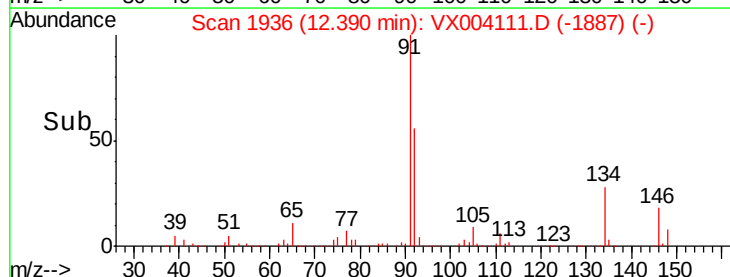
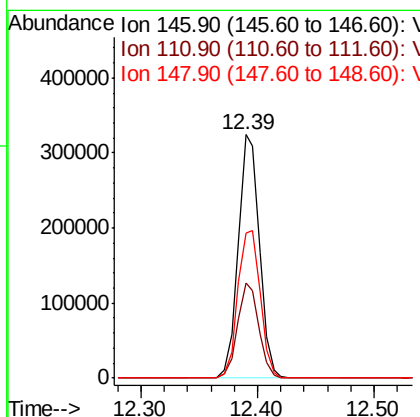
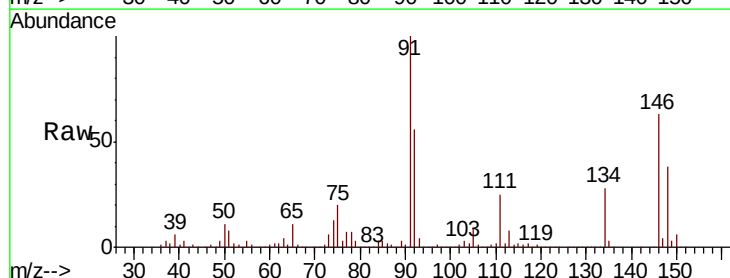
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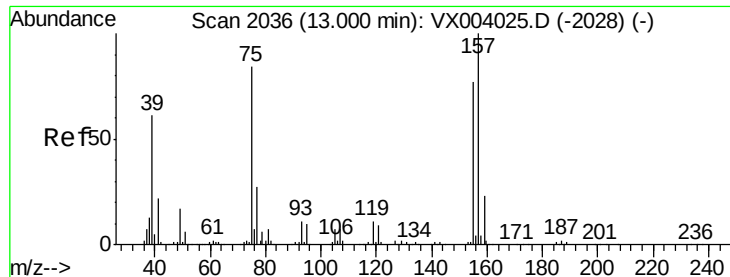
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#91  
1,2-Dichlorobenzene  
Concen: 49.84 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VX004111.D  
Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 409985 |       |       |
| 111     | 39.2  | 19.7   | 59.0  |       |
| 148     | 64.3  | 31.9   | 95.5  |       |





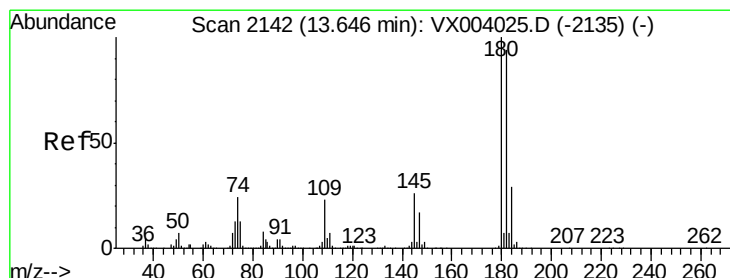
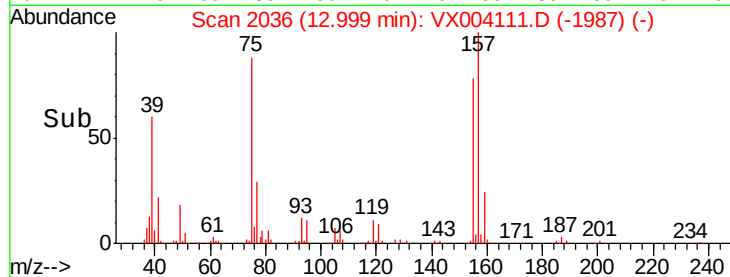
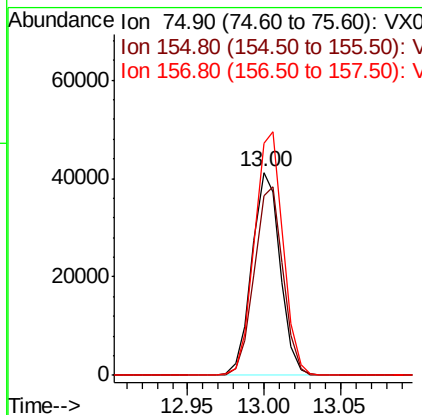
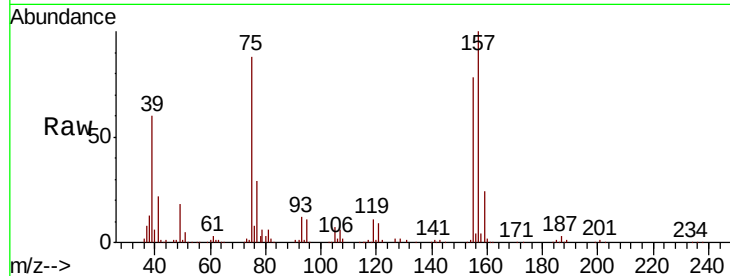
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 49.70 ug/l  
 RT: 13.00 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 94.4  | 48.7  | 146.1 |
| 157     | 121.8 | 62.6  | 187.8 |

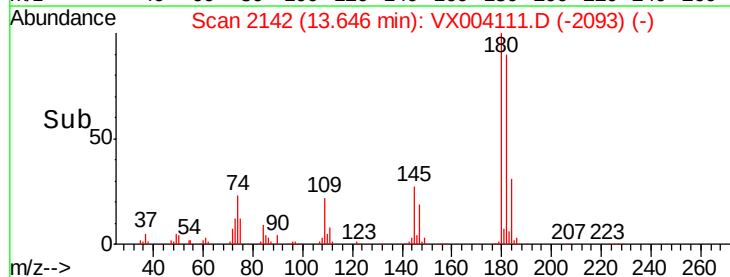
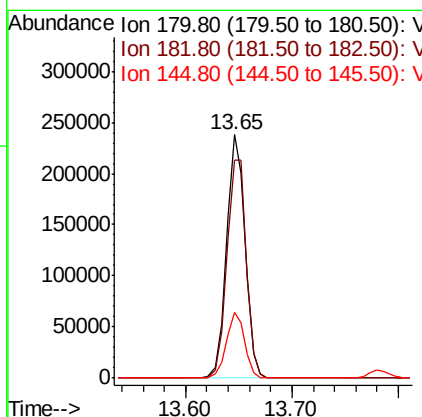
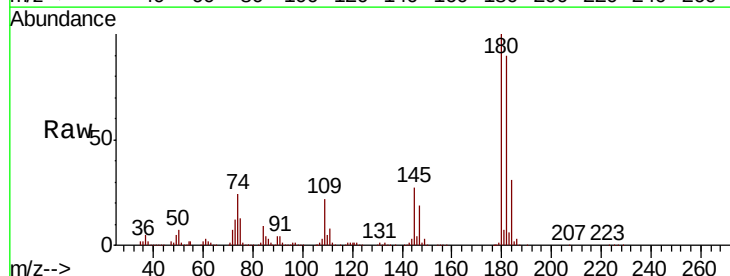
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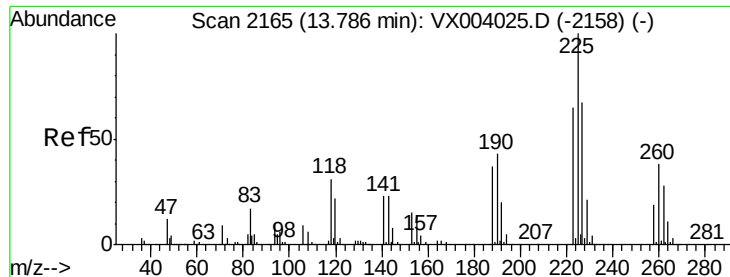
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#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.36 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.2  | 47.7  | 143.1 |
| 145     | 26.7  | 13.9  | 41.6  |





#94

Hexachlorobutadiene

Concen: 44.66 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX004111.D

Acq: 16 Aug 2018 09:20

Instrument :

MSVOA\_X

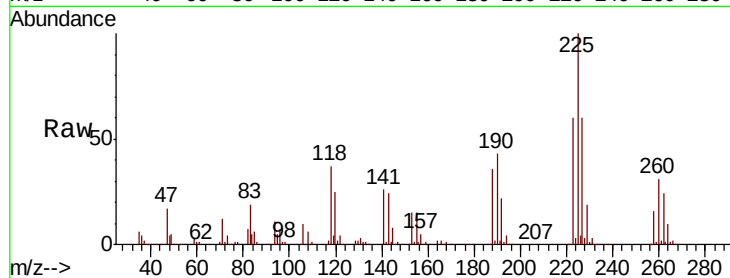
ClientSampleId :

SS050MW504-180814MSD

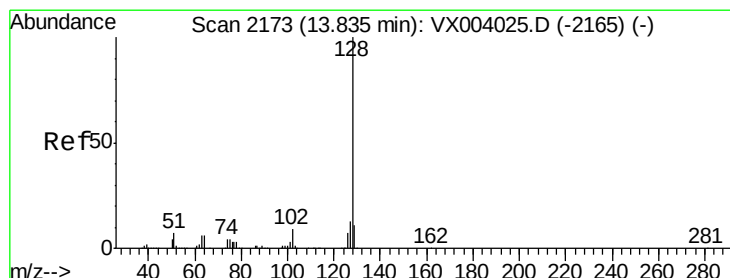
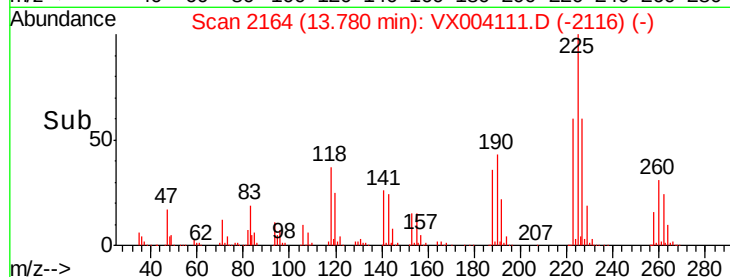
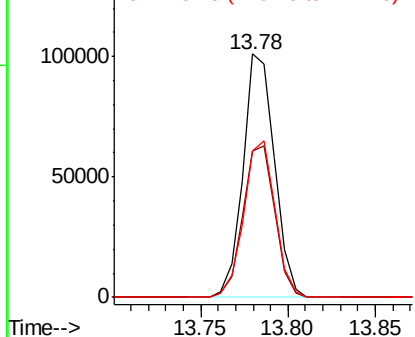
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 225   | Resp: | 125876 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.2  | 31.4  | 94.0   |
| 227       | 64.0  | 32.1  | 96.5   |

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



#95

Naphthalene

Concen: 52.53 ug/l

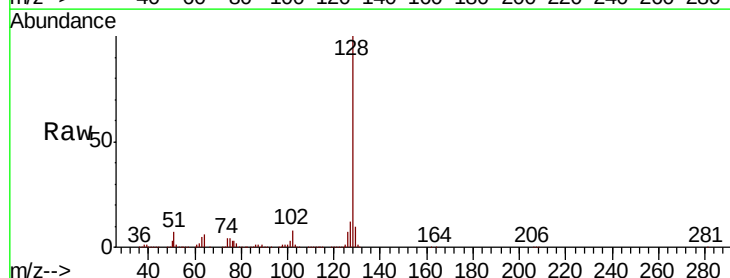
RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

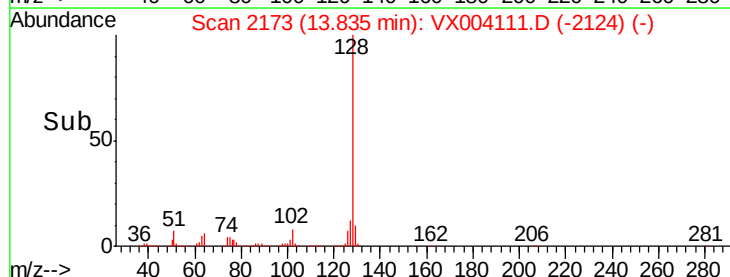
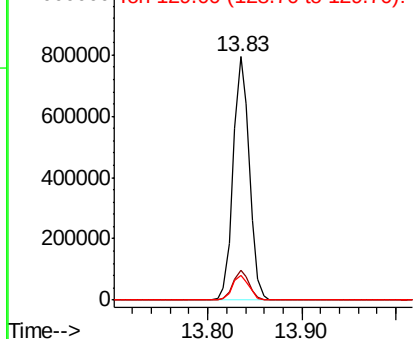
Lab File: VX004111.D

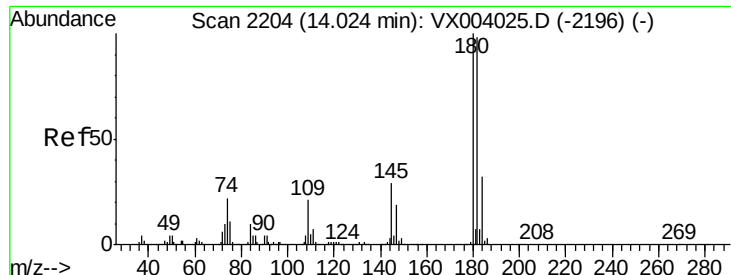
Acq: 16 Aug 2018 09:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 942703 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.3  | 10.2  | 15.2   |
| 129       | 10.6  | 8.8   | 13.2   |



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





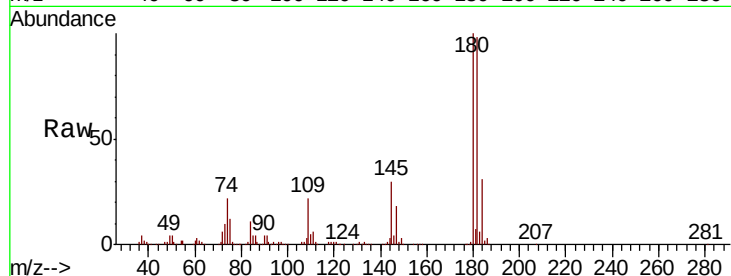
#96  
 1,2,3-Trichlorobenzene  
 Concen: 50.35 ug/l  
 RT: 14.02 min Scan# 2204  
 Delta R.T. -0.00 min  
 Lab File: VX004111.D  
 Acq: 16 Aug 2018 09:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW504-180814MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 97.7  | 48.1       | 144.4 |
| 145     | 31.0  | 14.9       | 44.7  |

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

