

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101618\  
 Data File : VX005359.D  
 Acq On : 16 Oct 2018 10:06  
 Operator : JC/MD  
 Sample : VX1016WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1016WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/17/2018 9:34:26 AM

Quant Time: Oct 17 05:22:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 255318   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 356394   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 334117   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 189993   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 141061   | 49.78 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.56%  |      |
| 35) Dibromofluoromethane  | 5.49   | 113 | 116029   | 49.15 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.30%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 430533   | 53.13 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.26% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 157343   | 51.68 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.36% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 38713  | 19.393 | ug/l   | 96     |
| 3) Chloromethane              | 1.32 | 50  | 64056  | 22.145 | ug/l # | 83     |
| 4) Vinyl Chloride             | 1.40 | 62  | 56023  | 19.119 | ug/l   | 95     |
| 5) Bromomethane               | 1.64 | 94  | 34600  | 21.247 | ug/l   | 99     |
| 6) Chloroethane               | 1.71 | 64  | 35494  | 19.515 | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 77321  | 19.774 | ug/l   | 96     |
| 8) Diethyl Ether              | 2.19 | 74  | 32195  | 19.281 | ug/l   | 92     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 47734  | 21.150 | ug/l   | 96     |
| 10) Methyl Iodide             | 2.51 | 142 | 50099  | 21.726 | ug/l   | 99     |
| 11) Tert butyl alcohol        | 3.07 | 59  | 79723  | 99.738 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 43917  | 19.639 | ug/l   | 96     |
| 13) Acrolein                  | 2.29 | 56  | 35195  | 67.421 | ug/l   | 94     |
| 14) Allyl chloride            | 2.73 | 41  | 94088  | 19.164 | ug/l   | 96     |
| 15) Acrylonitrile             | 3.15 | 53  | 168338 | 92.936 | ug/l   | 98     |
| 16) Acetone                   | 2.45 | 43  | 154241 | 94.143 | ug/l   | 93     |
| 17) Carbon Disulfide          | 2.57 | 76  | 121857 | 17.989 | ug/l   | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 92199  | 19.780 | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 159652 | 20.272 | ug/l   | 98     |
| 20) Methylene Chloride        | 2.86 | 84  | 54588  | 22.137 | ug/l   | 89     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 47904  | 19.331 | ug/l   | 95     |
| 22) Diisopropyl ether         | 3.87 | 45  | 151886 | 18.419 | ug/l   | 90     |
| 23) Vinyl Acetate             | 3.82 | 43  | 690656 | 95.825 | ug/l   | 96     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 99888  | 21.136 | ug/l   | 95     |
| 25) 2-Butanone                | 4.70 | 43  | 219408 | 91.529 | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 67182  | 19.007 | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 52534  | 19.506 | ug/l   | 98     |
| 28) Bromochloromethane        | 5.02 | 49  | 44260  | 20.544 | ug/l   | 92     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 140599 | 91.951 | ug/l   | 95     |
| 30) Chloroform                | 5.21 | 83  | 88098  | 20.083 | ug/l   | 96     |
| 31) Cyclohexane               | 5.58 | 56  | 73527  | 18.876 | ug/l # | 73     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 75375  | 19.748 | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 63201  | 18.310 | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.86 | 43  | 81554  | 18.372 | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 66030  | 19.039 | ug/l   | 94     |

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 Sample : VX1016WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX1016WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/17/2018 9:34:26 AM

Quant Time: Oct 17 05:22:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 68586    | 18.360  | ug/l   | 98       |
| 40) Benzene                    | 6.14  | 78   | 188453   | 18.200  | ug/l # | 84       |
| 41) Methacrylonitrile          | 5.07  | 41   | 43909    | 18.451  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 68361    | 18.698  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 112022   | 18.945  | ug/l   | 98       |
| 44) Trichloroethene            | 7.21  | 130  | 52378    | 19.431  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 47833    | 18.833  | ug/l   | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 32441    | 19.352  | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 61869    | 19.953  | ug/l   | 100      |
| 48) Methyl methacrylate        | 7.77  | 41   | 57277    | 18.676  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 27532    | 389.226 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 406533   | 99.293  | ug/l   | 94       |
| 52) Toluene                    | 8.79  | 92   | 119323   | 21.064  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 67314    | 20.060  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 74097    | 20.379  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 49045    | 20.441  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 69754    | 19.943  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 80152    | 20.015  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 207775   | 105.921 | ug/l   | 95       |
| 59) 2-Hexanone                 | 9.49  | 43   | 319571   | 97.032  | ug/l   | 94       |
| 60) Dibromochloromethane       | 9.59  | 129  | 50340    | 20.298  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 51384    | 20.407  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.34  | 164  | 55023    | 20.456  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 134282   | 18.894  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 48162    | 19.016  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 219063   | 18.960  | ug/l   | 98       |
| 68) m/p-Xylenes                | 10.36 | 106  | 174846   | 38.990  | ug/l   | 96       |
| 69) o-Xylene                   | 10.70 | 106  | 83039    | 19.200  | ug/l   | 97       |
| 70) Styrene                    | 10.71 | 104  | 138887   | 19.524  | ug/l   | 97       |
| 71) Bromoform                  | 10.86 | 173  | 41657    | 18.406  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 230505   | 20.409  | ug/l   | 98       |
| 74) N-amyl acetate             | 10.90 | 43   | 101028   | 18.546  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 79220    | 18.594  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 74493m   | 20.213  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 63012    | 19.512  | ug/l   | 100      |
| 78) n-propylbenzene            | 11.36 | 91   | 262229   | 20.176  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 158378   | 19.897  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 192983   | 19.953  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 21828    | 17.997  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 184462   | 19.549  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 191793   | 19.582  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 201998   | 20.294  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 232120   | 20.026  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 210535   | 20.096  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 116998   | 19.388  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 118921   | 19.264  | ug/l   | 97       |
| 89) n-Butylbenzene             | 12.39 | 91   | 180057   | 18.929  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 32964    | 18.258  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 118425   | 19.231  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 19014    | 18.295  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101618\  
Data File : VX005359.D  
Acq On : 16 Oct 2018 10:06  
Operator : JC/MD  
Sample : VX1016WBSD01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

Manual Integrations  
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10/17/2018 9:34:26 AM

Quant Time: Oct 17 05:22:01 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 12 11:28:43 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 87735    | 19.419 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 45740    | 19.169 | ug/l  | 97       |
| 95) Naphthalene            | 13.83 | 128  | 255335   | 19.487 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 91555    | 19.805 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion:168 Resp: 255318

Ion Ratio Lower Upper

168 100

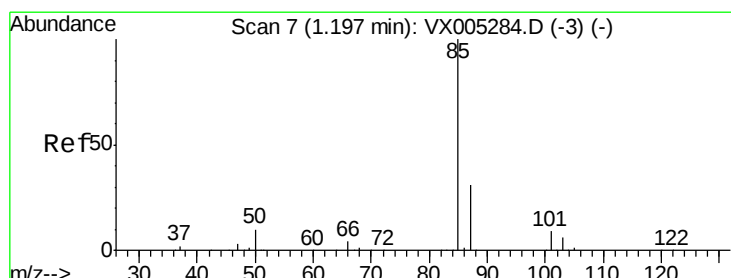
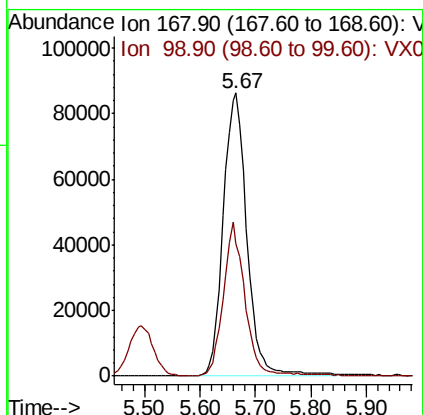
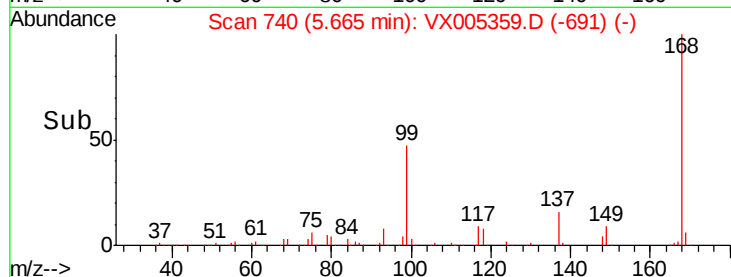
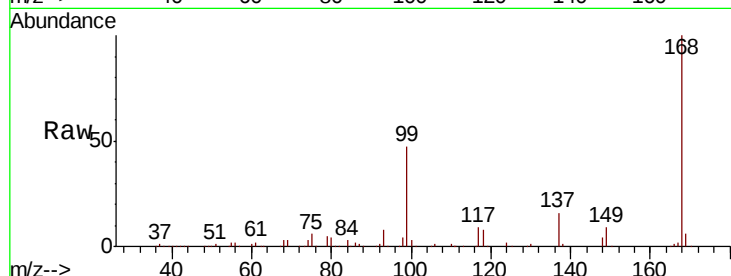
99 46.7 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:34:26 AM



#2

Dichlorodifluoromethane

Concen: 19.393 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005359.D

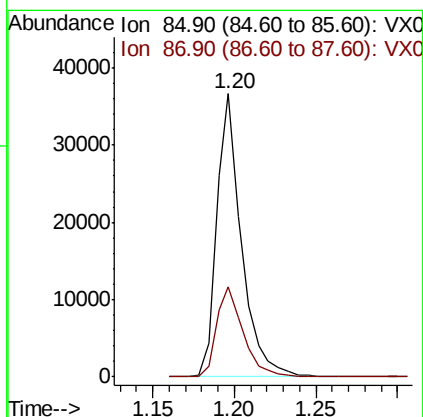
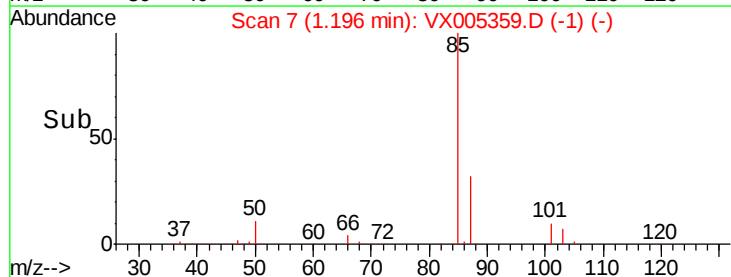
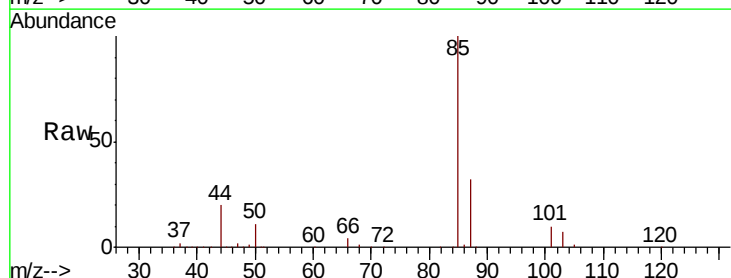
Acq: 16 Oct 2018 10:06

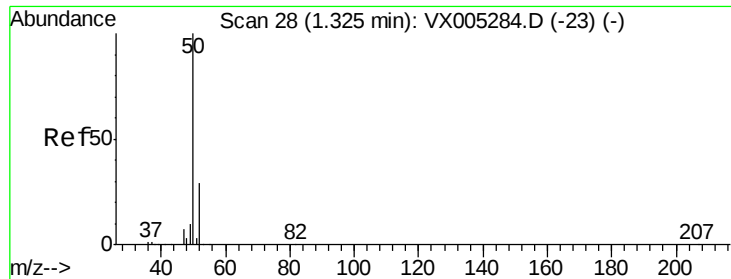
Tgt Ion: 85 Resp: 38713

Ion Ratio Lower Upper

85 100

87 31.9 17.0 50.9





#3

Chloromethane

Concen: 22.145 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 50 Resp: 64056

Ion Ratio Lower Upper

50 100

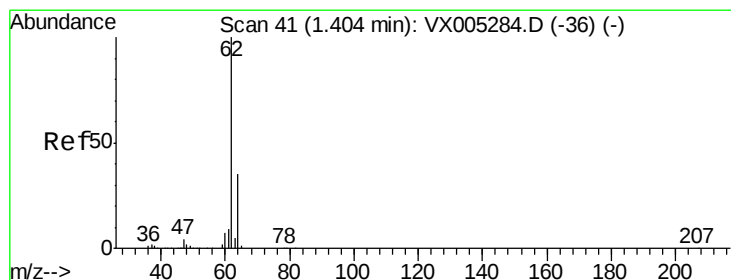
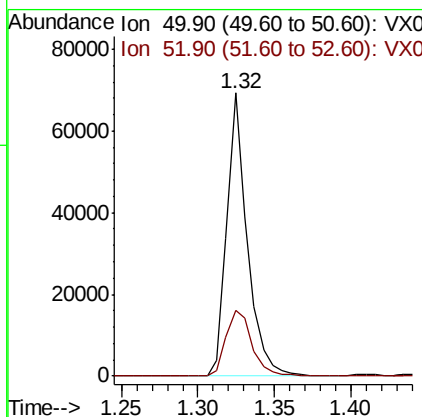
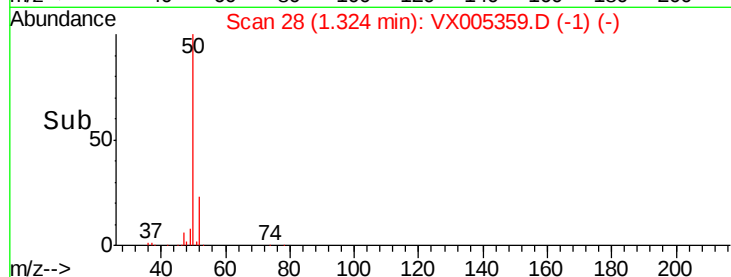
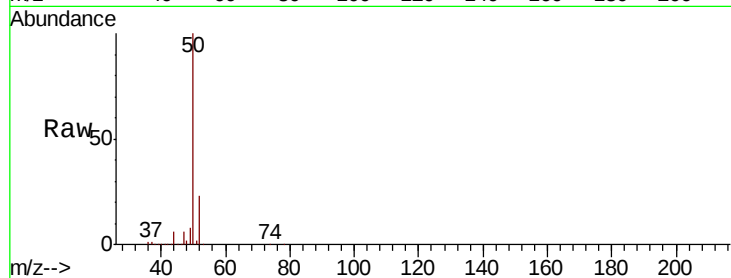
52 23.2 26.2 39.2#

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:34:26 AM



#4

Vinyl Chloride

Concen: 19.119 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005359.D

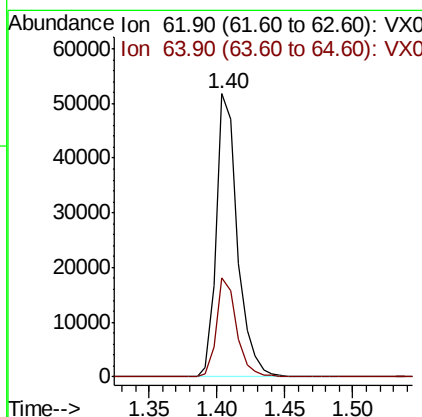
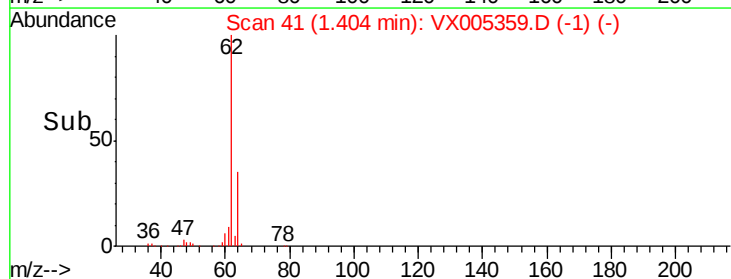
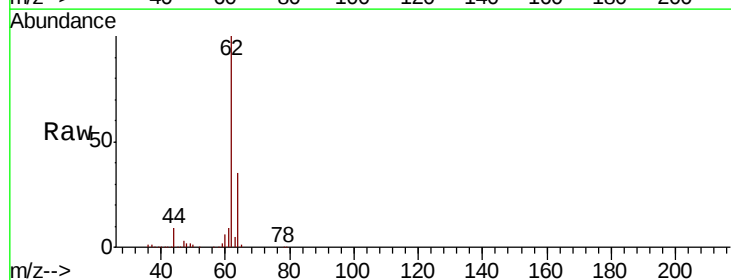
Acq: 16 Oct 2018 10:06

Tgt Ion: 62 Resp: 56023

Ion Ratio Lower Upper

62 100

64 34.9 25.8 38.8





#5

Bromomethane

Concen: 21.247 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 94 Resp: 34600

Ion Ratio Lower Upper

94 100

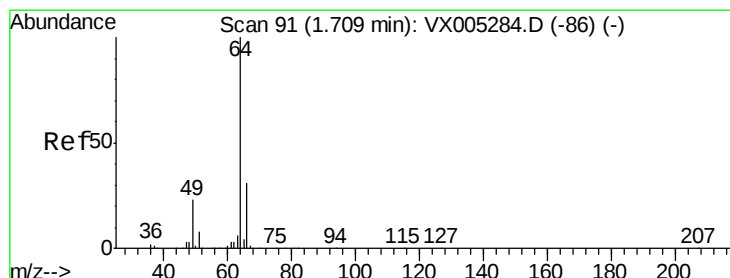
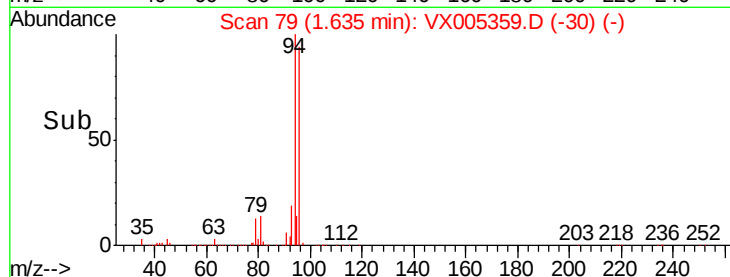
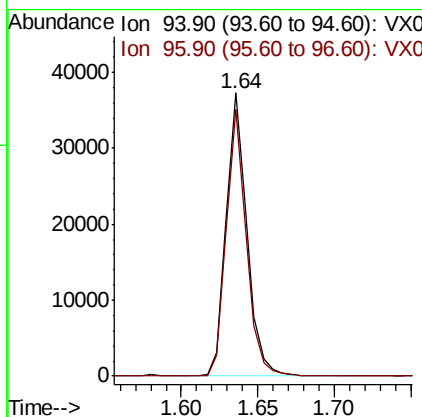
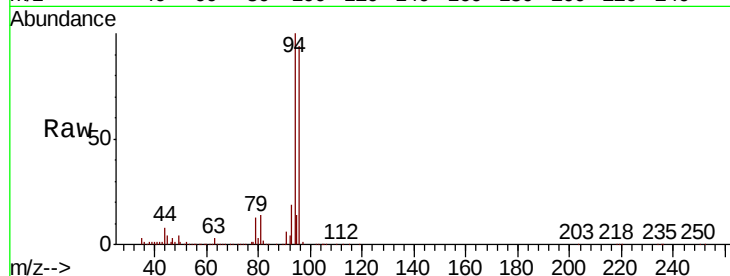
96 94.2 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

10/17/2018 9:34:26 AM



#6

Chloroethane

Concen: 19.515 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005359.D

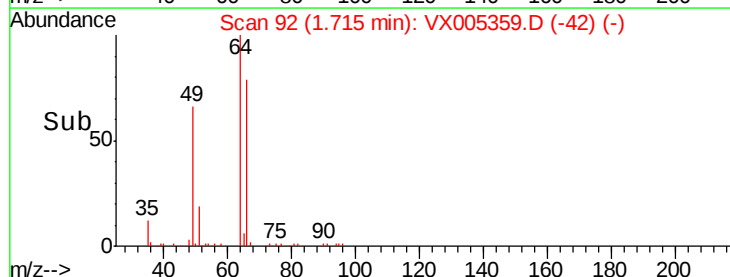
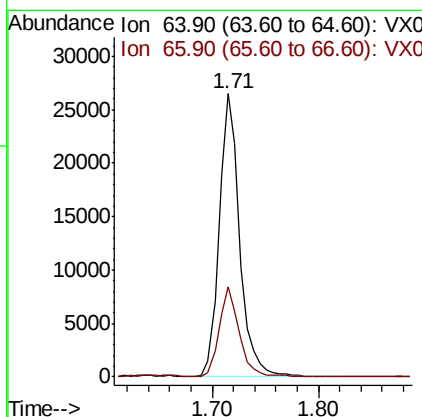
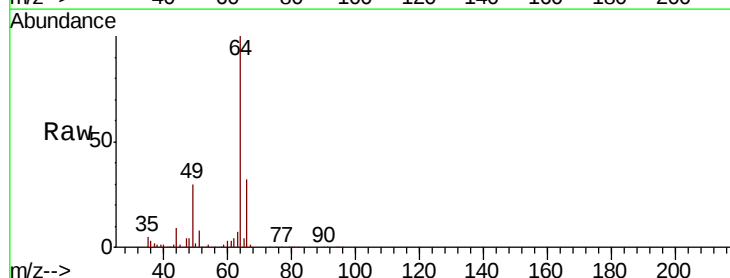
Acq: 16 Oct 2018 10:06

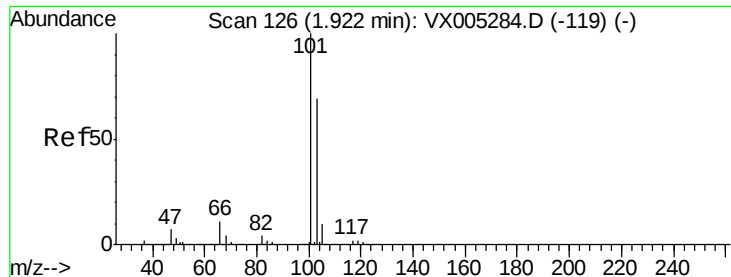
Tgt Ion: 64 Resp: 35494

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8





#7

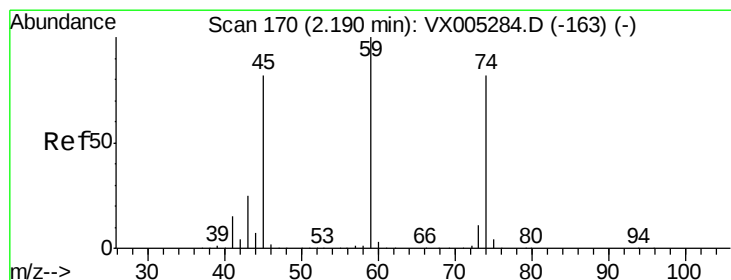
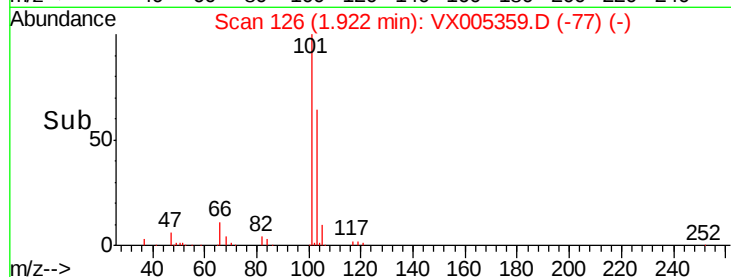
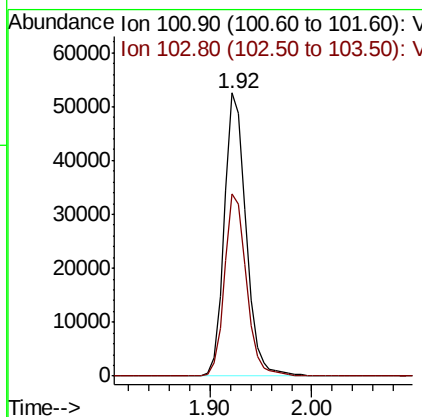
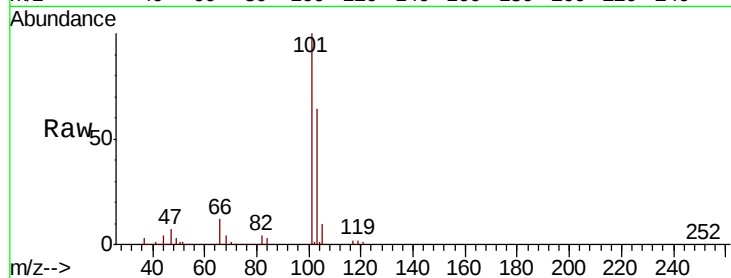
Trichlorofluoromethane  
 Concen: 19.774 ug/l  
 RT: 1.92 min Scan# 126  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1016WBSD01

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

Manual Integrations  
 APPROVED

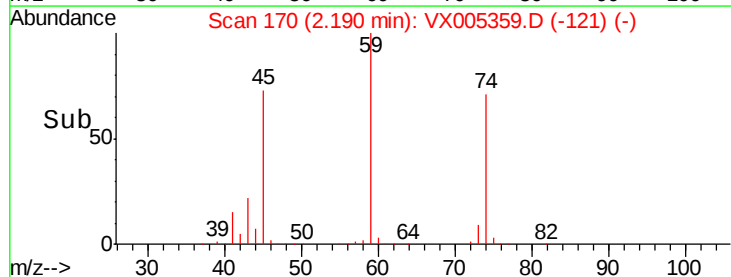
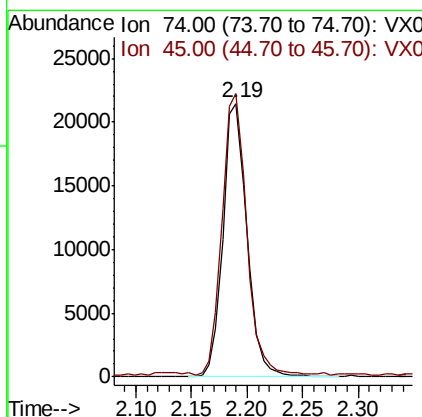
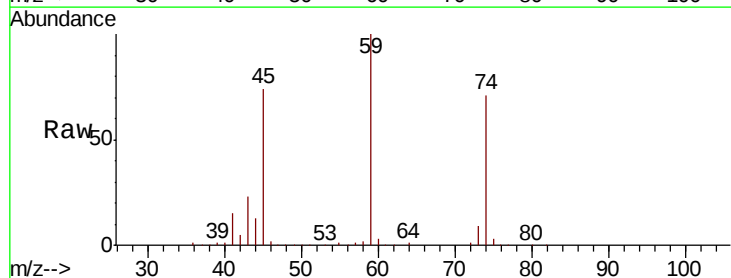
MMDadoda  
 10/17/2018 9:34:26 AM



#8

Diethyl Ether  
 Concen: 19.281 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 104.4 | 48.3  | 144.8 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.150 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

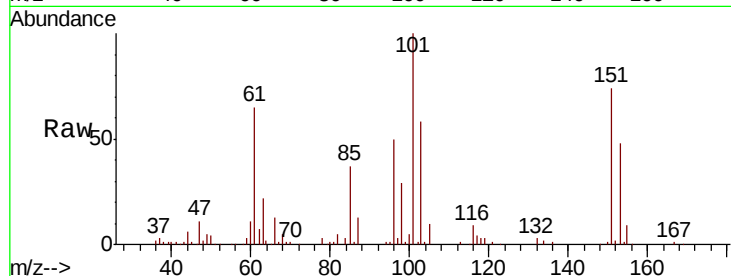
ClientSampleId :

VX1016WBSD01

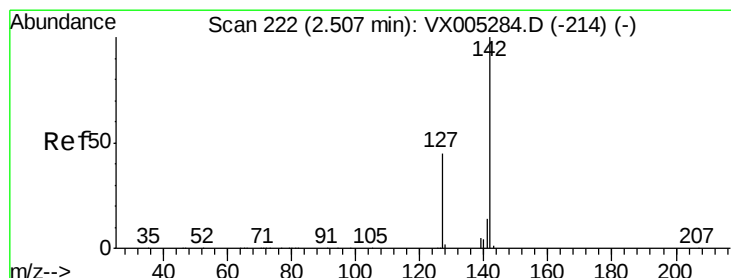
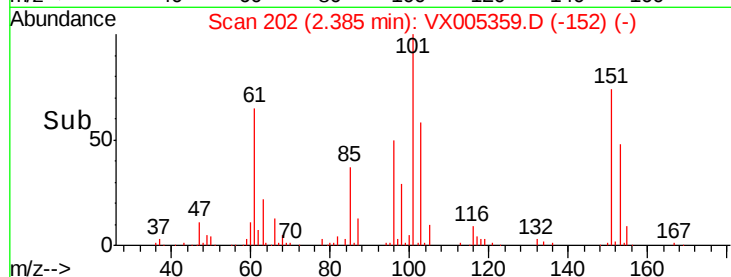
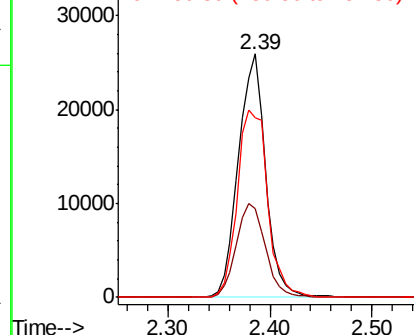
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 47734 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 41.5  | 34.2  | 51.4  |
| 151       | 85.6  | 65.0  | 97.6  |

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



#10

Methyl Iodide

Concen: 21.726 ug/l

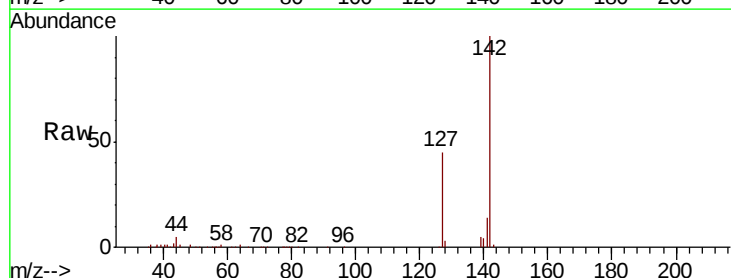
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

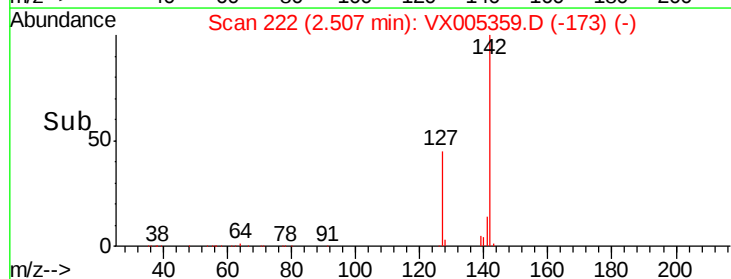
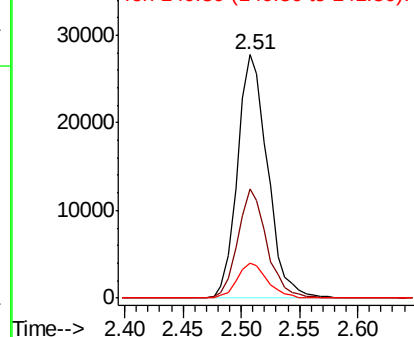
Lab File: VX005359.D

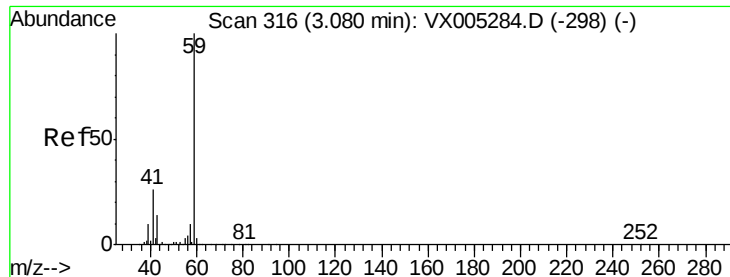
Acq: 16 Oct 2018 10:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 50099 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 43.4  | 33.8  | 50.6  |
| 141       | 14.2  | 11.4  | 17.0  |



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





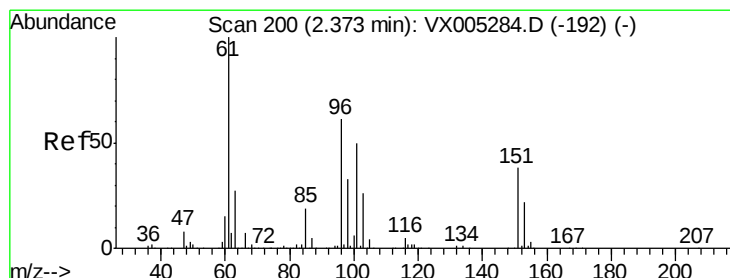
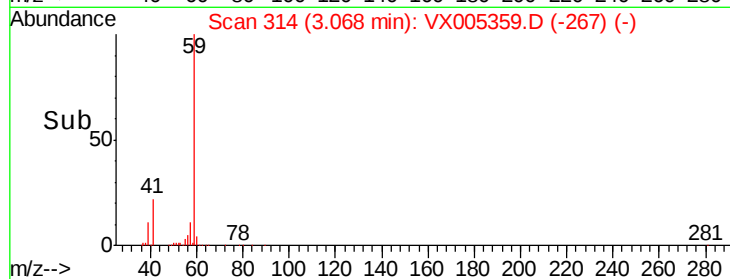
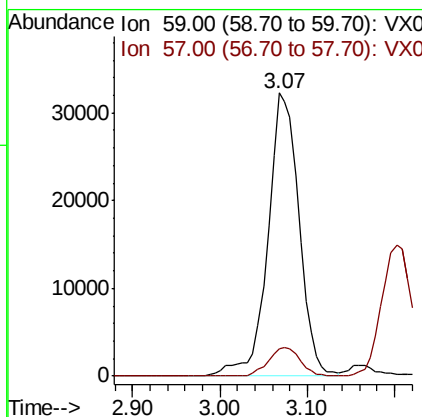
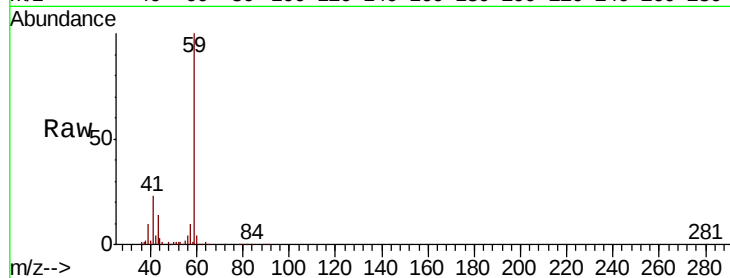
#11  
Tert butyl alcohol  
Concen: 99.738 ug/l  
RT: 3.07 min Scan# 314  
Delta R.T. -0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

Tot Ion: 59 Resp: 79723  
Ion Ratio Lower Upper  
59 100  
57 10.4 8.2 12.4

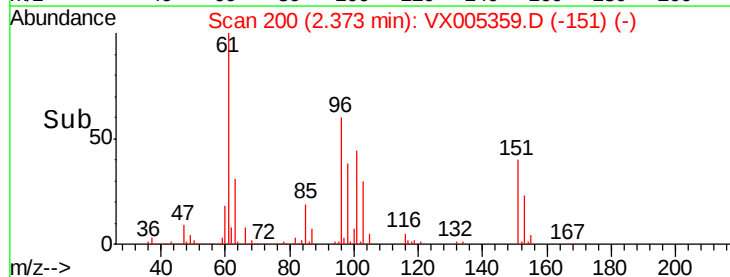
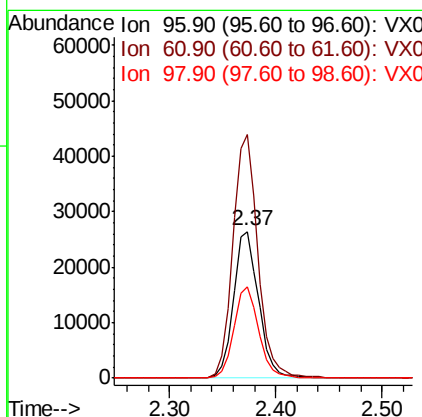
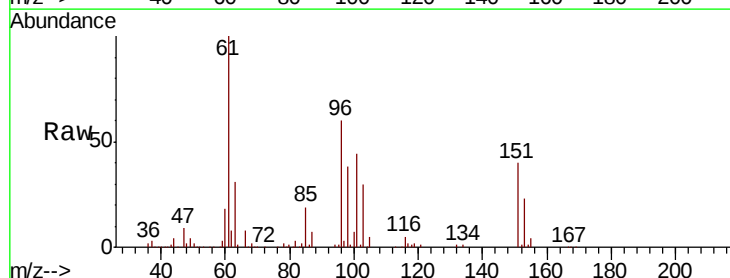
Manual Integrations  
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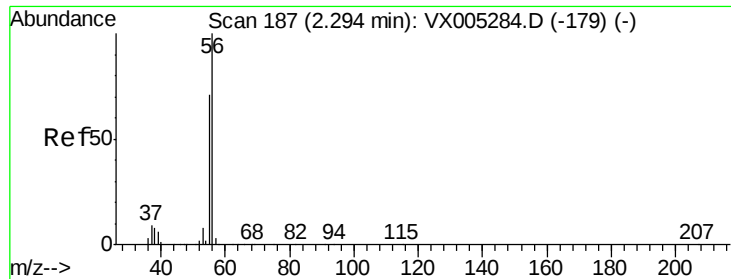
MMDadoda  
10/17/2018 9:34:26 AM



#12  
1,1-Dichloroethene  
Concen: 19.639 ug/l  
RT: 2.37 min Scan# 200  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Tgt Ion: 96 Resp: 43917  
Ion Ratio Lower Upper  
96 100  
61 166.0 128.8 193.2  
98 62.6 52.2 78.2





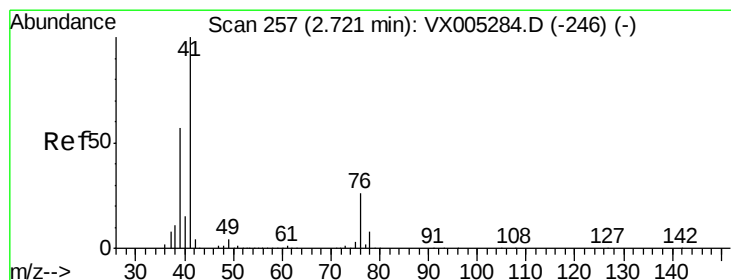
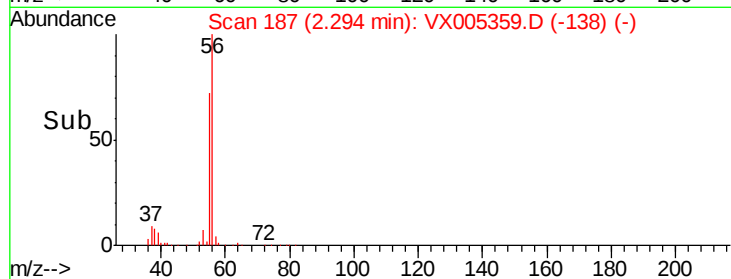
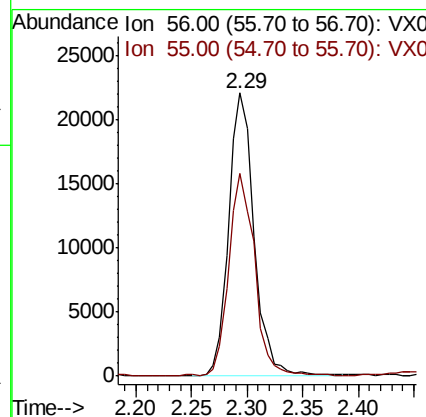
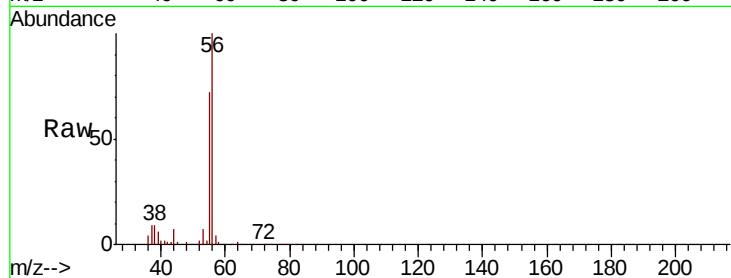
#13  
Acrolein  
Concen: 67.421 ug/l  
RT: 2.29 min Scan# 187  
Delta R.T. 0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion   | 56   | Resp  | 35195 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 56        | 100  |       |       |
| 55        | 73.5 | 54.7  | 82.1  |

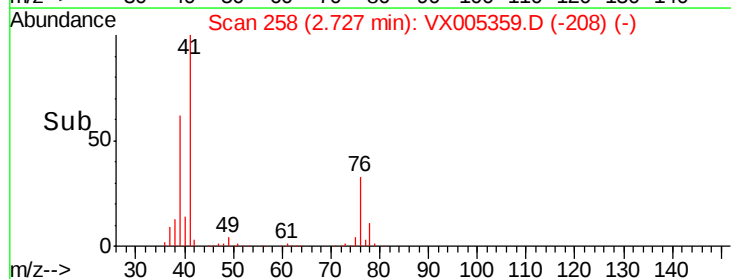
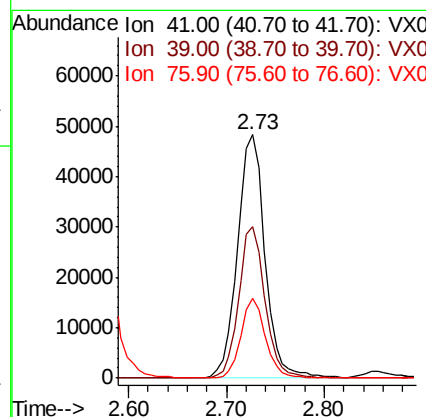
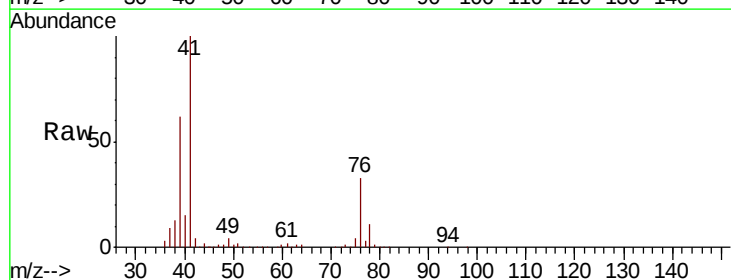
Manual Integrations  
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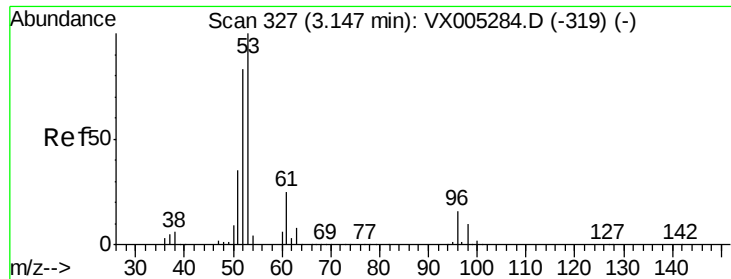
MMDadoda  
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#14  
Allyl chloride  
Concen: 19.164 ug/l  
RT: 2.73 min Scan# 258  
Delta R.T. 0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion   | 41   | Resp  | 94088 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 41        | 100  |       |       |
| 39        | 59.3 | 48.9  | 73.3  |
| 76        | 29.8 | 26.7  | 40.1  |





#15

Acrylonitrile

Concen: 92.936 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

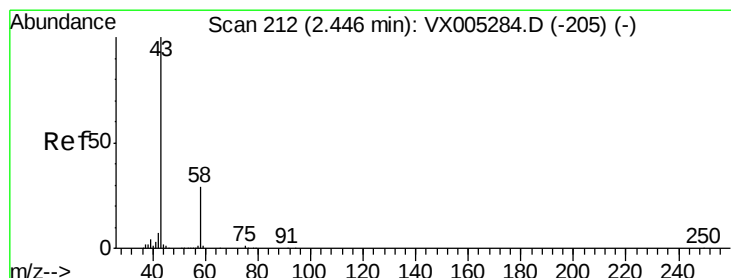
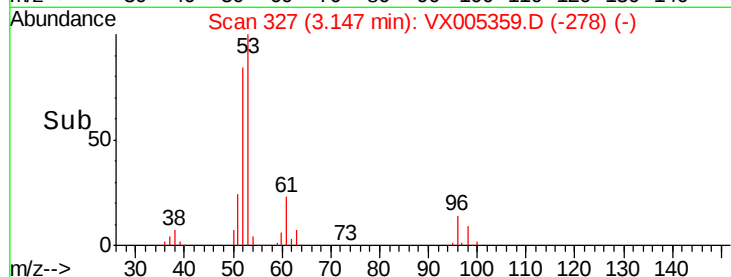
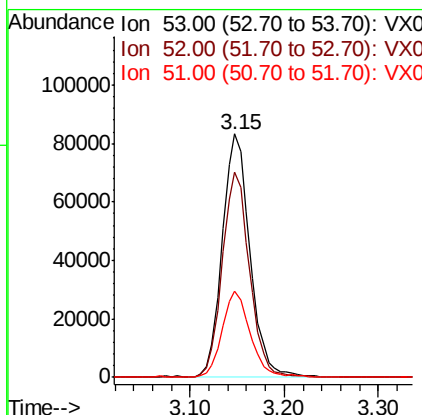
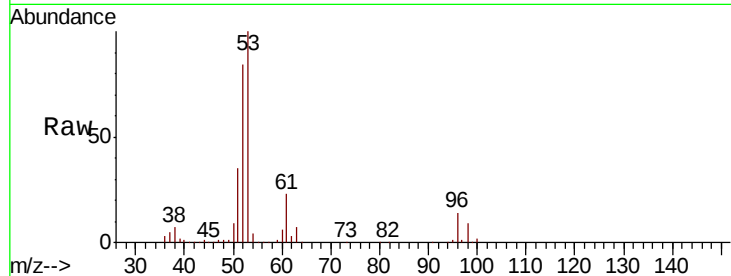
ClientSampleId :

VX1016WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 168338 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.6  | 65.2  | 97.8   |
| 51        | 36.0  | 28.2  | 42.2   |

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#16

Acetone

Concen: 94.143 ug/l

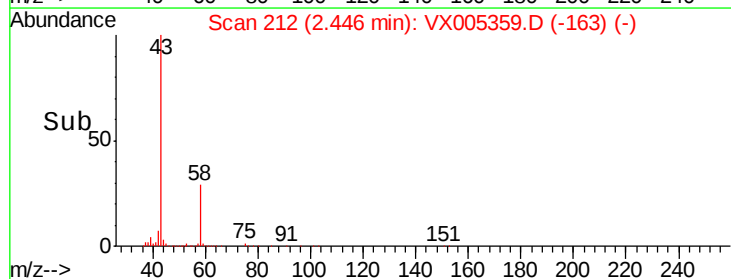
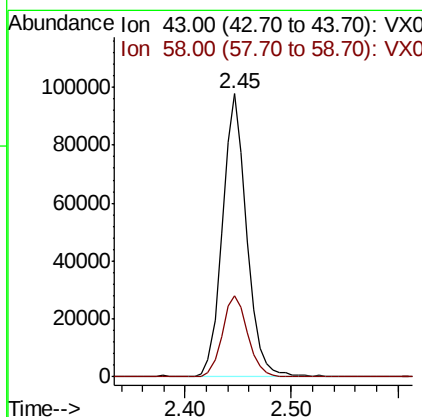
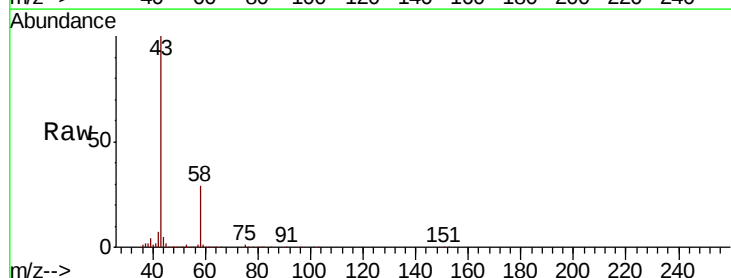
RT: 2.45 min Scan# 212

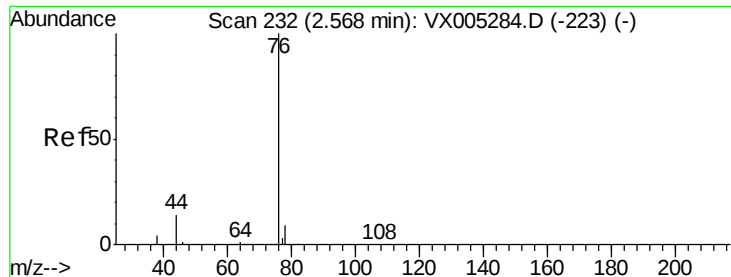
Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 154241 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 28.8  | 26.2  | 39.4   |





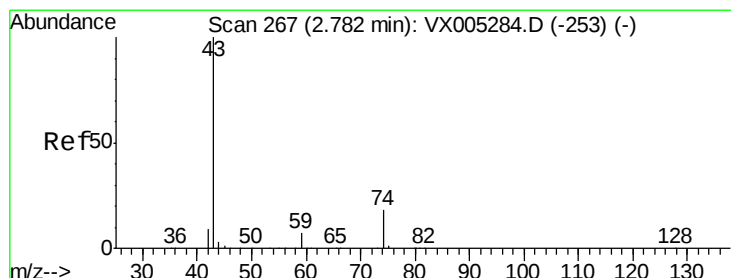
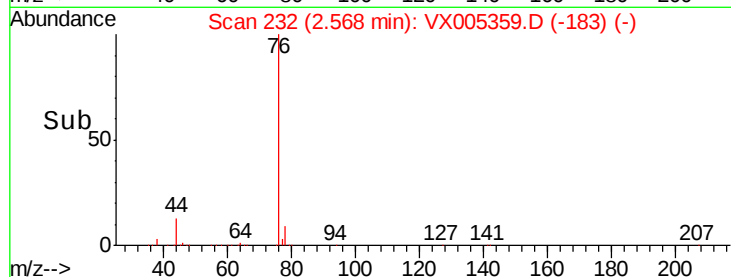
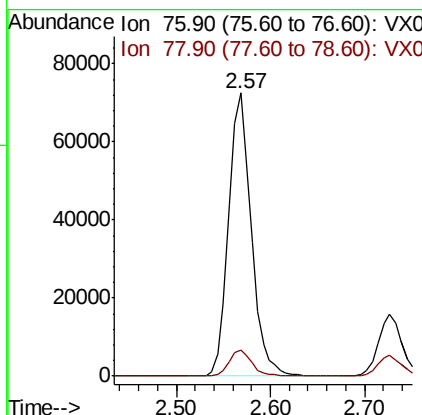
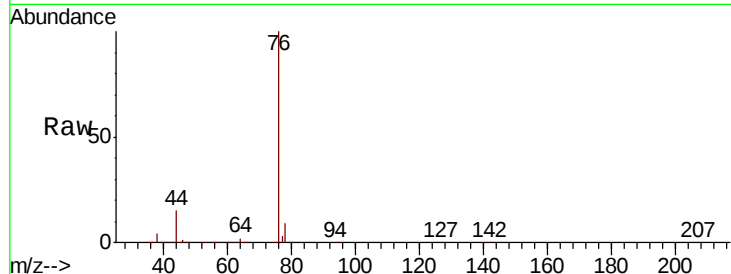
#17  
Carbon Disulfide  
Concen: 17.989 ug/l  
RT: 2.57 min Scan# 232  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.3   | 7.0   | 10.6  |

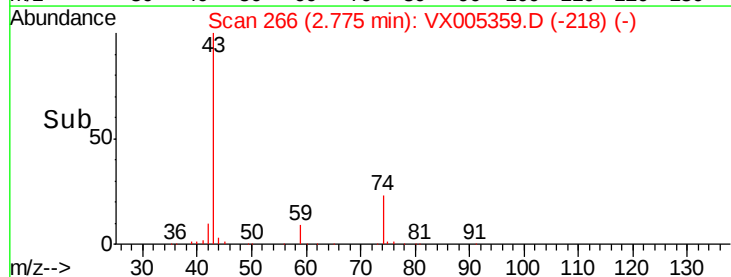
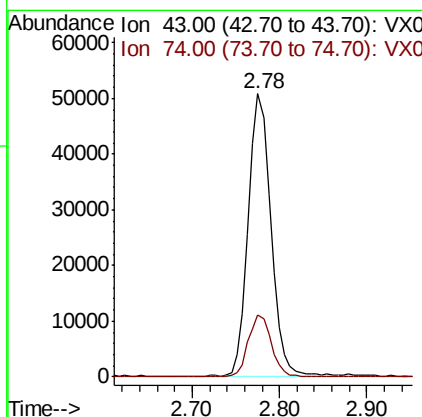
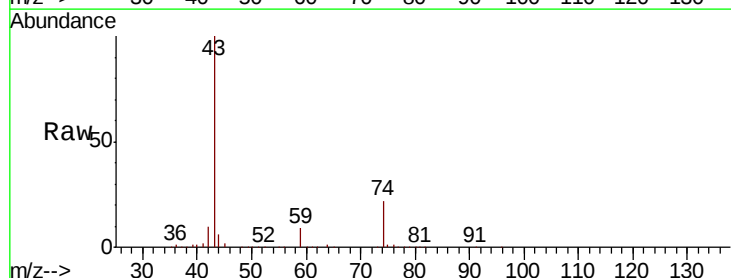
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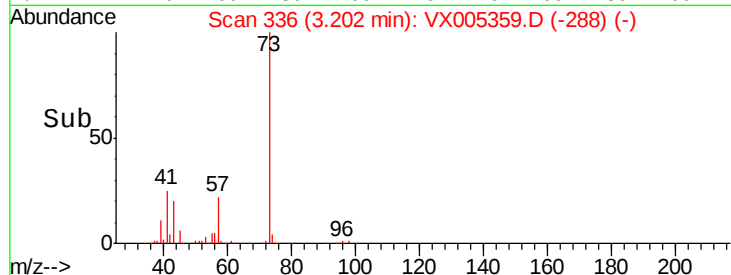
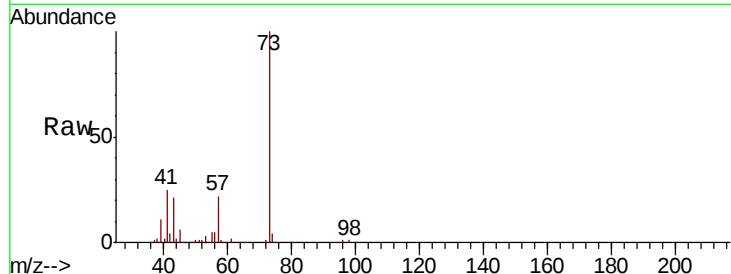
MMDadoda  
10/17/2018 9:34:26 AM



#18  
Methyl Acetate  
Concen: 19.780 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.2  | 19.4  | 29.2  |





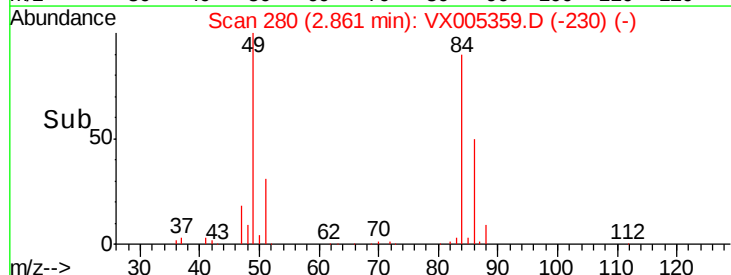
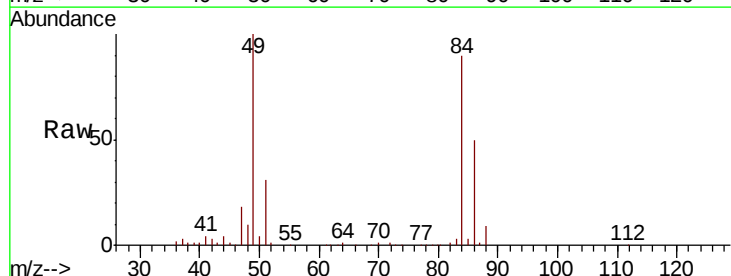
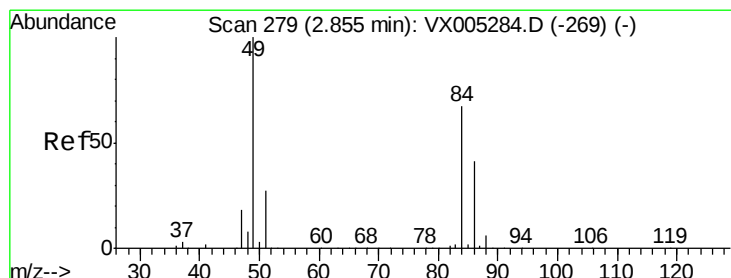
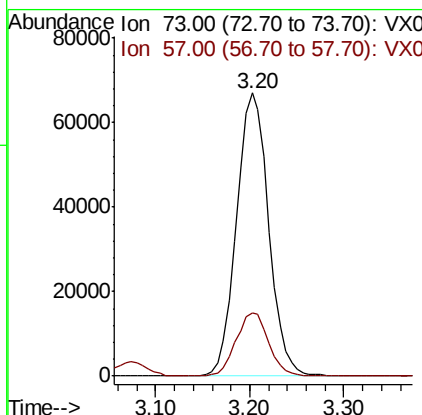
#19  
Methyl tert-butyl Ether  
Concen: 20.272 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. -0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

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

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

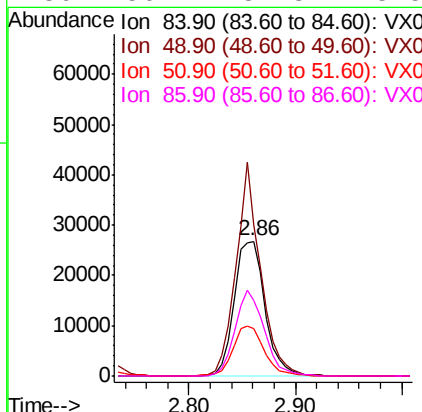
Manual Integrations  
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10/17/2018 9:34:26 AM



#20  
Methylene Chloride  
Concen: 22.137 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 111.6 | 101.2 | 151.8 |
| 51      | 34.9  | 29.5  | 44.3  |
| 86      | 56.2  | 52.3  | 78.5  |





#21

trans-1,2-Dichloroethene

Concen: 19.331 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

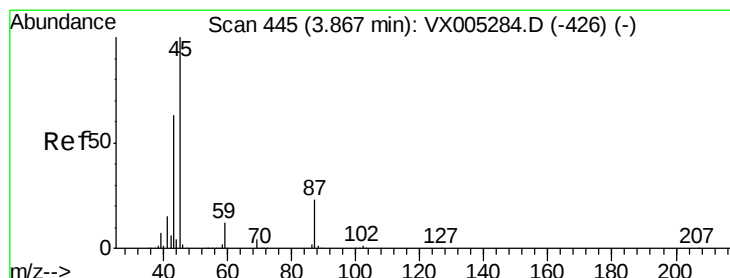
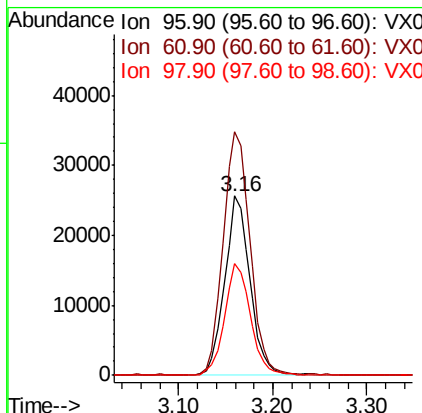
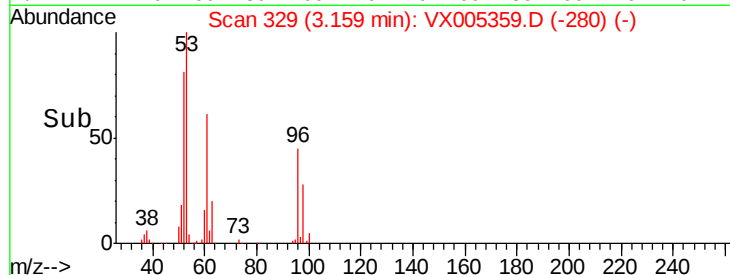
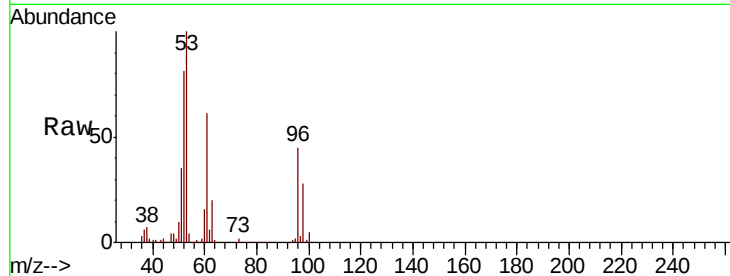
ClientSampleId :

VX1016WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 47904 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 135.7 | 113.8 | 170.6 |
| 98       | 62.4  | 51.8  | 77.8  |

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#22

Diisopropyl ether

Concen: 18.419 ug/l

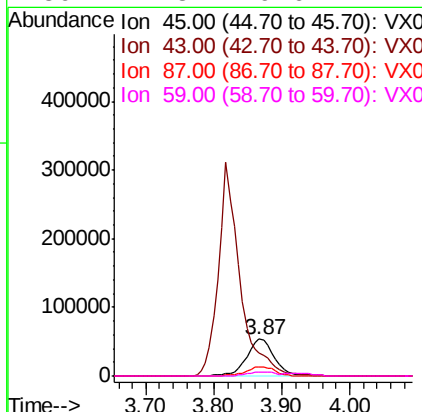
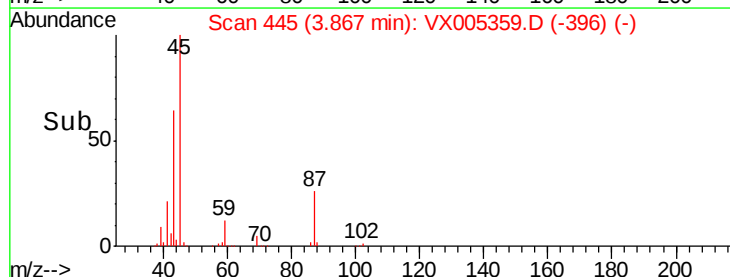
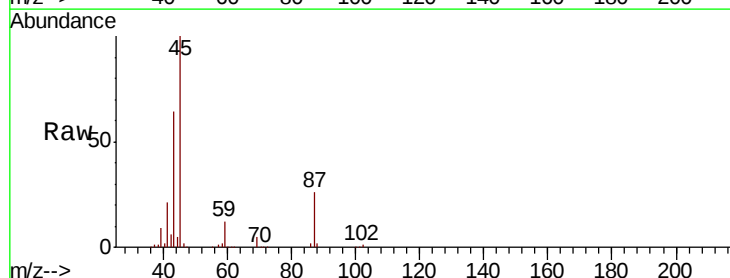
RT: 3.87 min Scan# 445

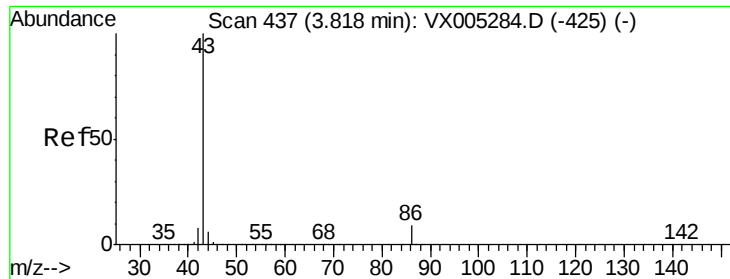
Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 151886 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 64.0  | 42.8  | 64.2   |
| 87       | 26.0  | 22.6  | 34.0   |
| 59       | 11.8  | 9.6   | 14.4   |





#23

Vinyl Acetate

Concen: 95.825 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 43 Resp: 690656

Ion Ratio Lower Upper

43 100

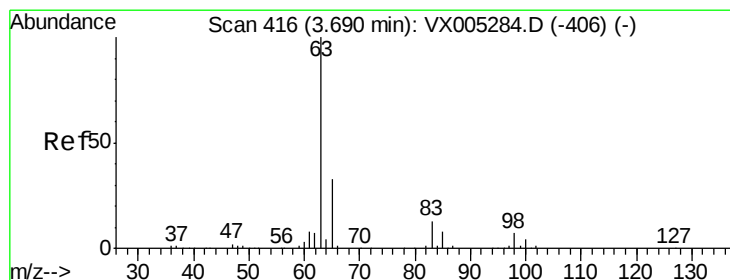
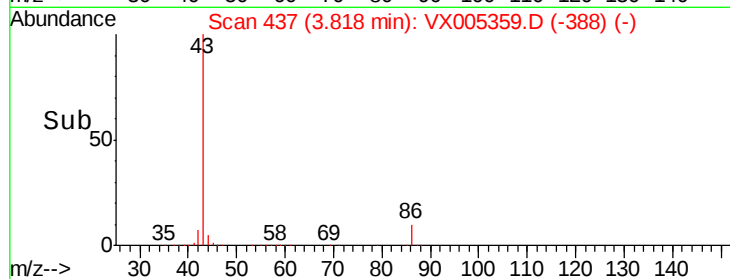
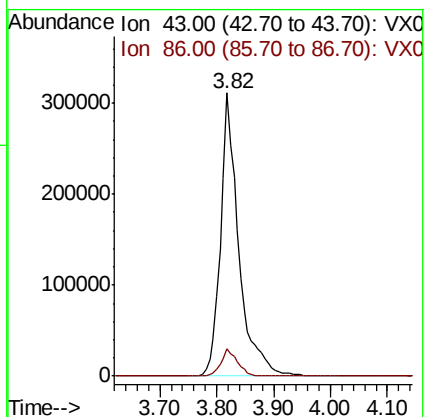
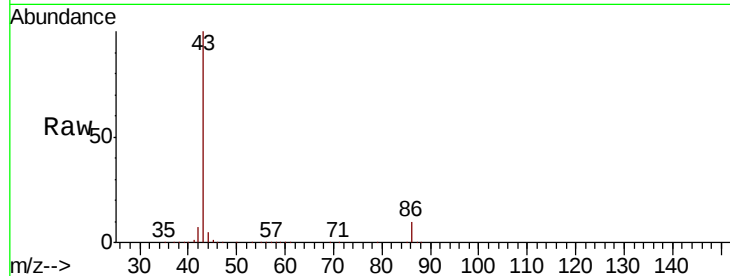
86 9.7 8.9 13.3

Manual Integrations

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MMDadoda

10/17/2018 9:34:26 AM



#24

1,1-Dichloroethane

Concen: 21.136 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

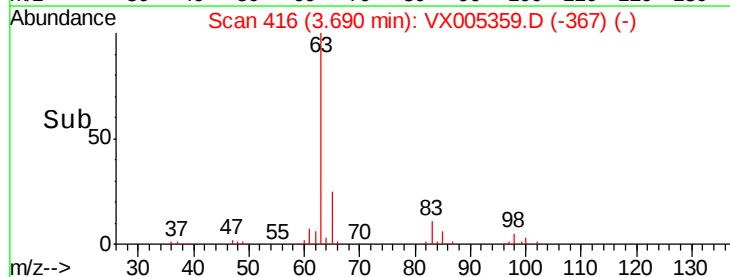
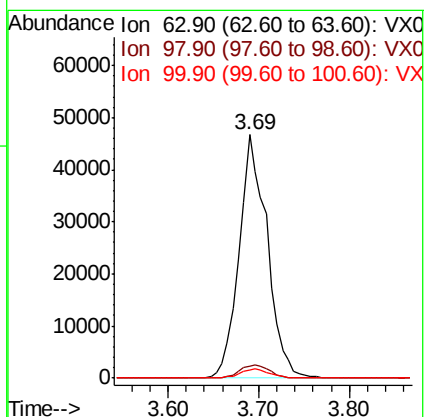
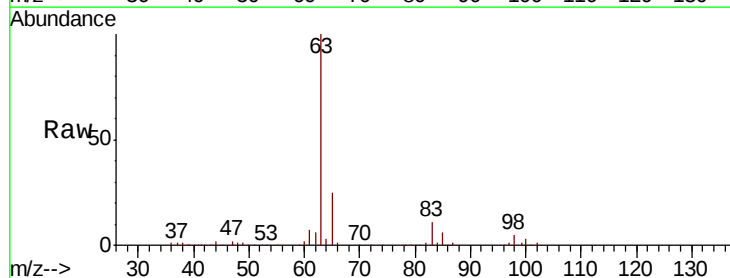
Tgt Ion: 63 Resp: 99888

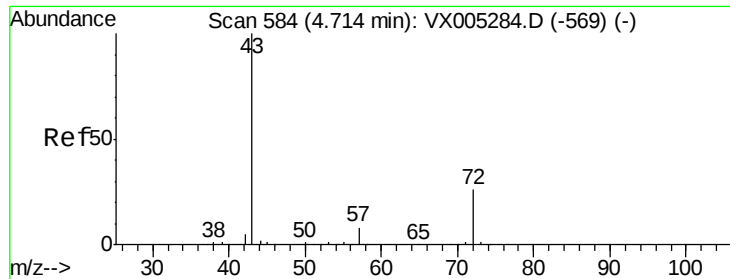
Ion Ratio Lower Upper

63 100

98 5.0 3.5 10.4

100 3.2 2.4 7.1





#25

2-Butanone

Concen: 91.529 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 43 Resp: 219408

Ion Ratio Lower Upper

43 100

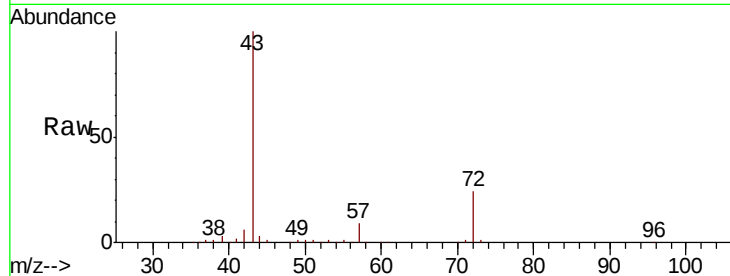
72 24.2 22.0 33.0

Manual Integrations

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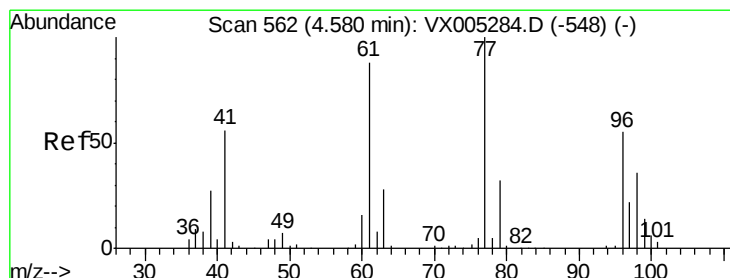
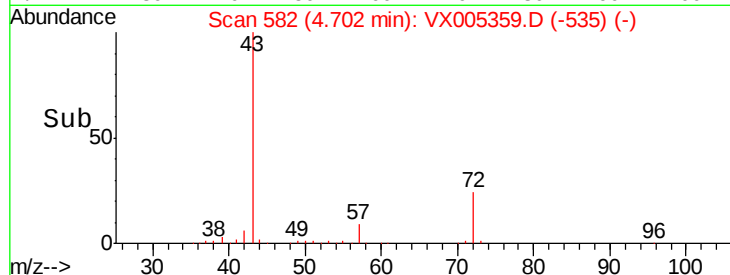
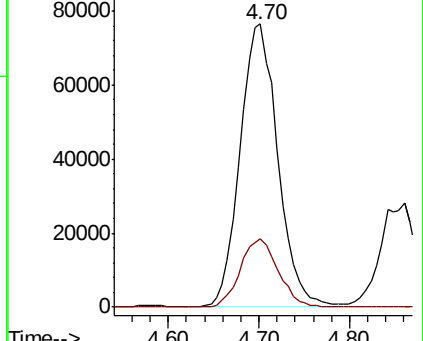
MMDadoda

10/17/2018 9:34:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.007 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005359.D

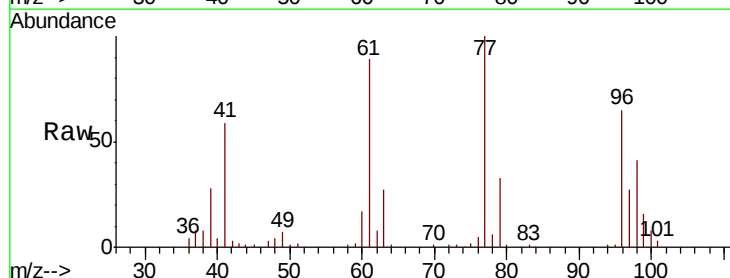
Acq: 16 Oct 2018 10:06

Tgt Ion: 77 Resp: 67182

Ion Ratio Lower Upper

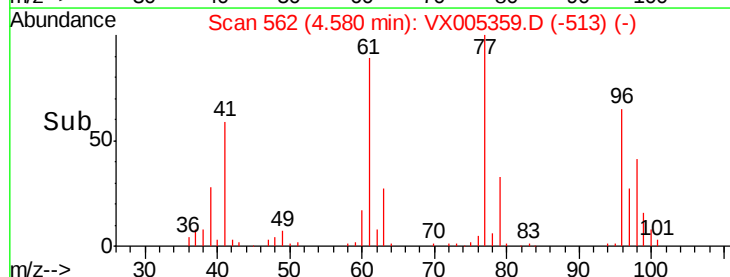
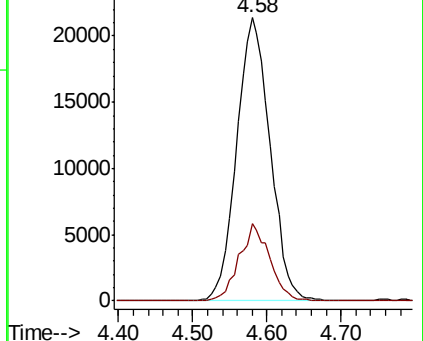
77 100

97 24.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

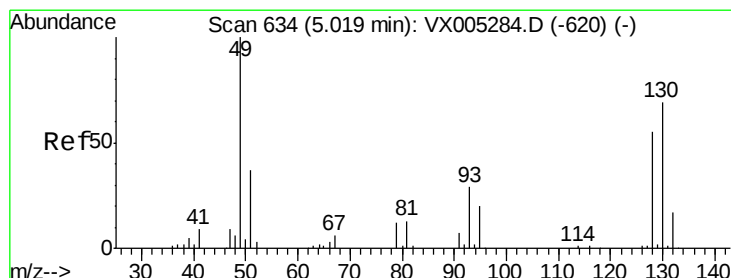
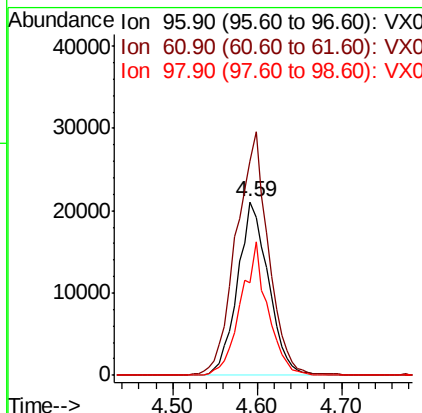
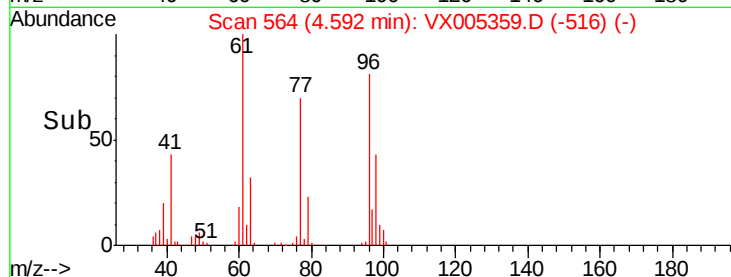
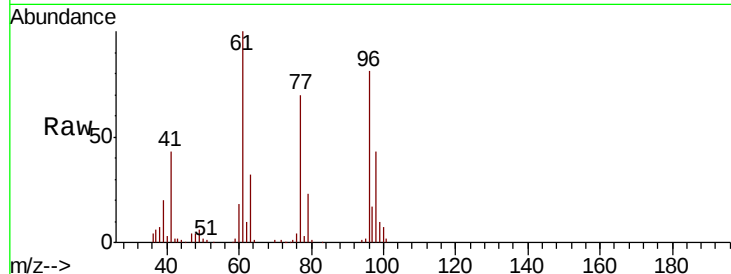
cis-1,2-Dichloroethene  
 Concen: 19.506 ug/l  
 RT: 4.59 min Scan# 564  
 Delta R.T. -0.01 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 144.5 | 0.0   | 282.6 |
| 98      | 66.7  | 0.0   | 130.2 |

Manual Integrations  
 APPROVED

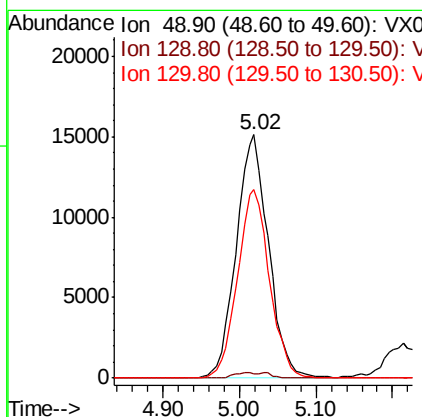
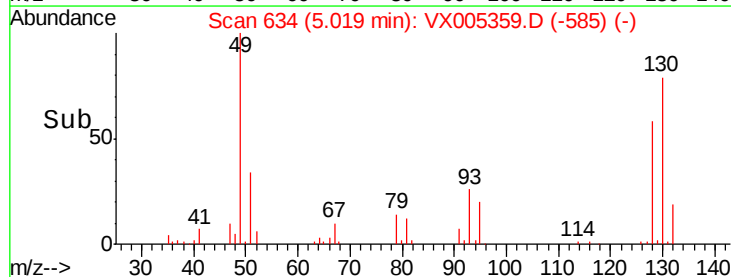
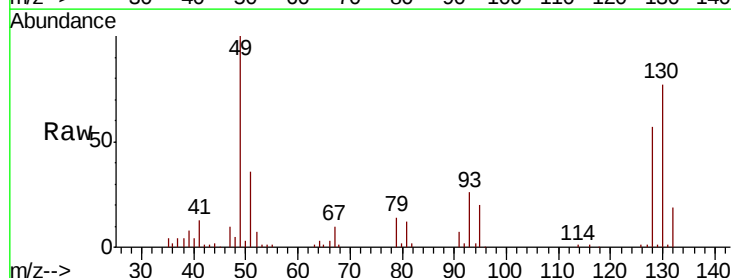
MMDadoda  
 10/17/2018 9:34:26 AM

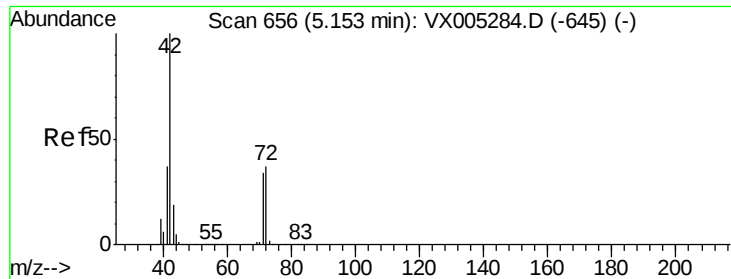


#28

Bromochloromethane  
 Concen: 20.544 ug/l  
 RT: 5.02 min Scan# 634  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 1.4   | 0.0   | 4.2   |
| 130     | 76.6  | 67.5  | 101.3 |





#29

Tetrahydrofuran

Concen: 91.951 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

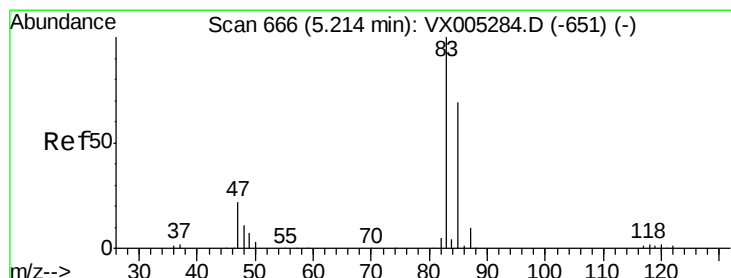
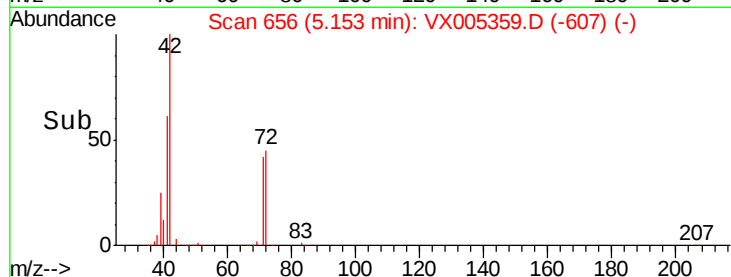
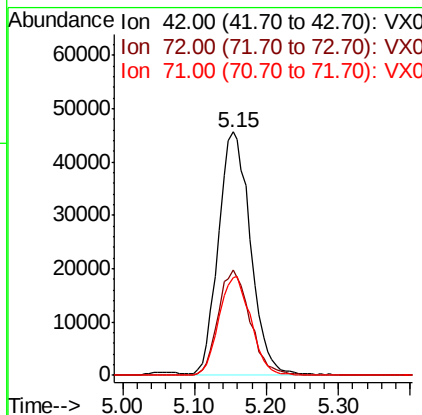
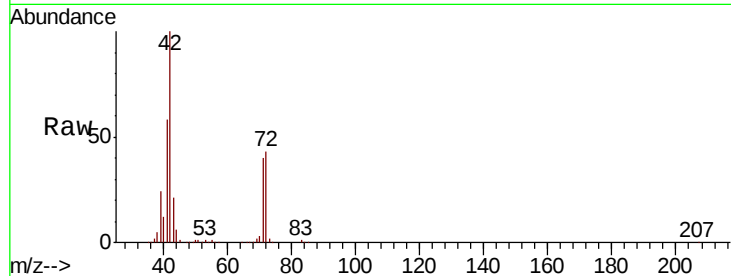
ClientSampleId :

VX1016WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 42    | Resp: | 140599 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 43.2  | 37.4  | 56.0   |
| 71       | 40.5  | 34.5  | 51.7   |

Manual Integrations  
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10/17/2018 9:34:26 AM



#30

Chloroform

Concen: 20.083 ug/l

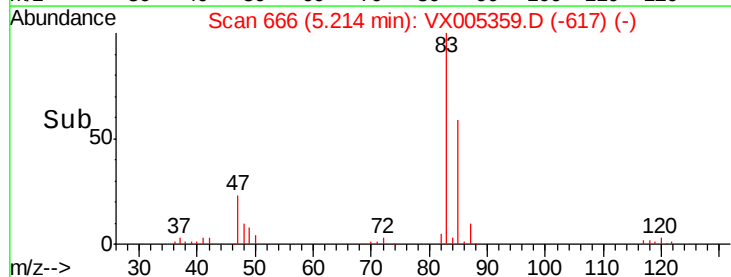
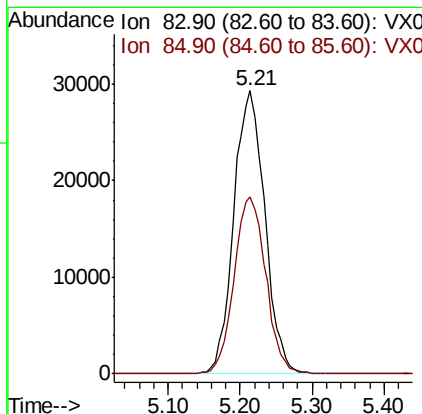
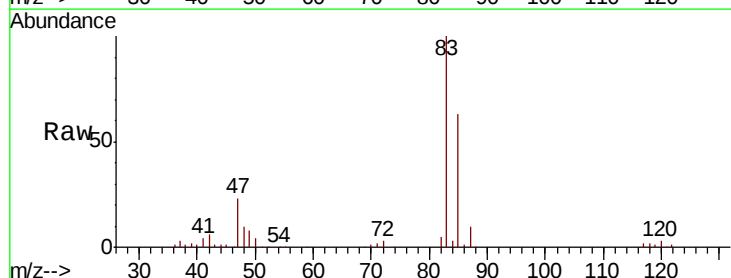
RT: 5.21 min Scan# 666

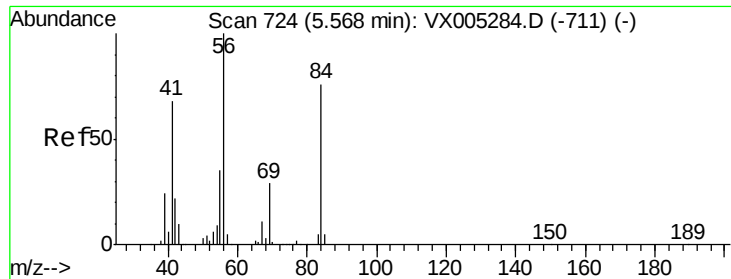
Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 88098 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.6  | 52.6  | 79.0  |





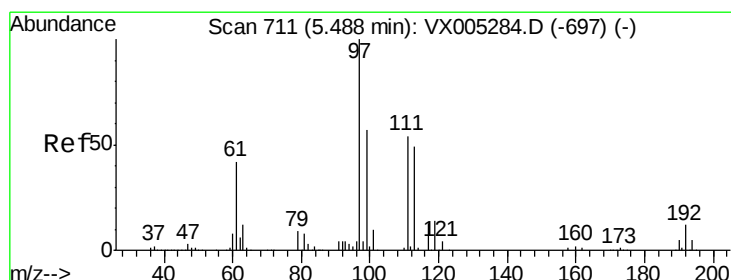
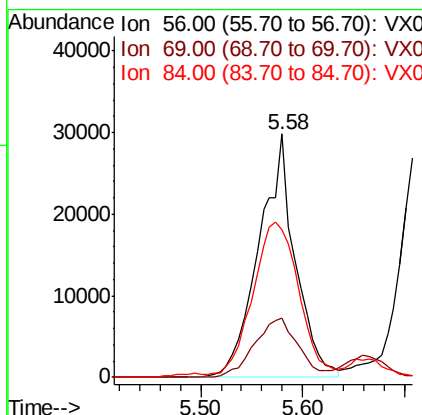
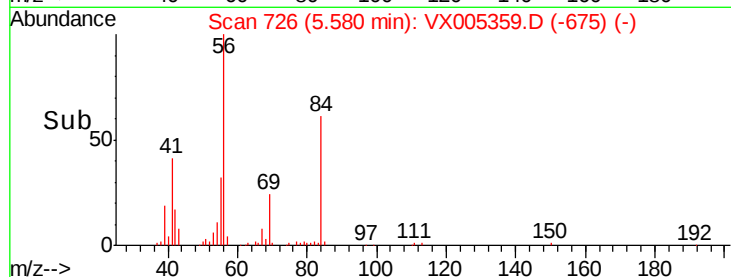
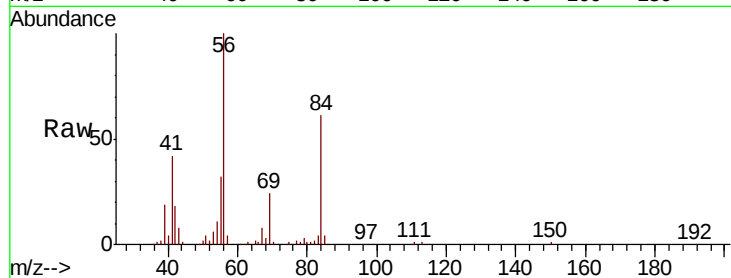
#31  
Cyclohexane  
Concen: 18.876 ug/l  
RT: 5.58 min Scan# 726  
Delta R.T. 0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 56      | 100   |       |        |
| 69      | 24.1  | 25.4  | 38.2#  |
| 84      | 59.5  | 71.4  | 107.2# |

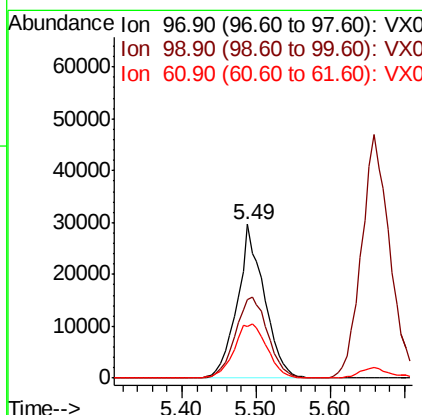
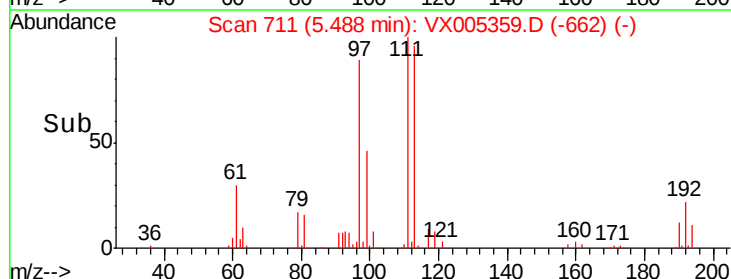
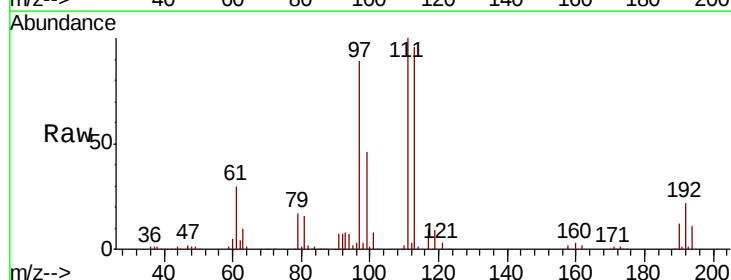
Manual Integrations  
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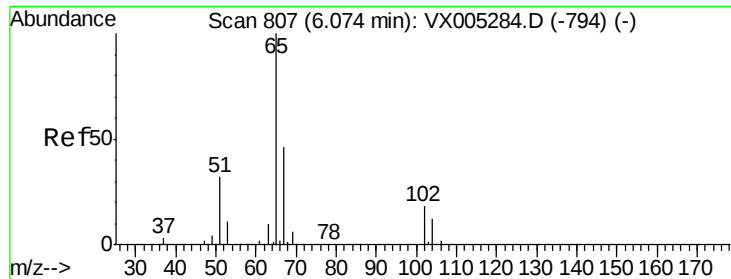
MMDadoda  
10/17/2018 9:34:26 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.748 ug/l  
RT: 5.49 min Scan# 711  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 63.2  | 52.0  | 78.0  |
| 61      | 43.2  | 34.9  | 52.3  |





#33

1,2-Dichloroethane-d4

Concen: 49.781 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 65 Resp: 141061

Ion Ratio Lower Upper

65 100

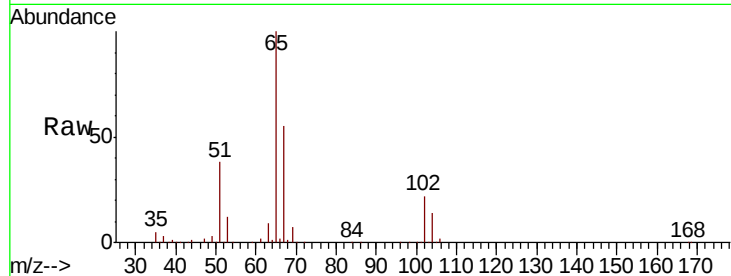
67 53.1 0.0 106.8

Manual Integrations

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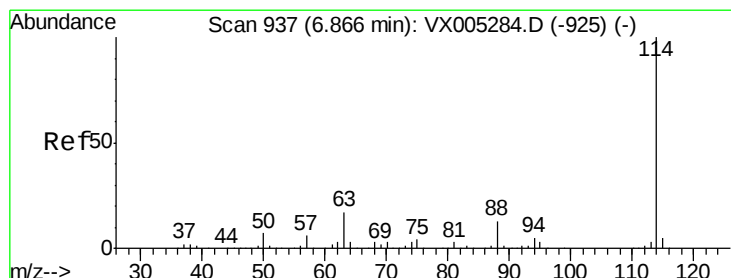
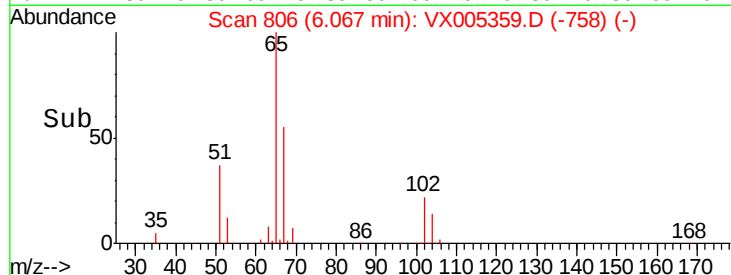
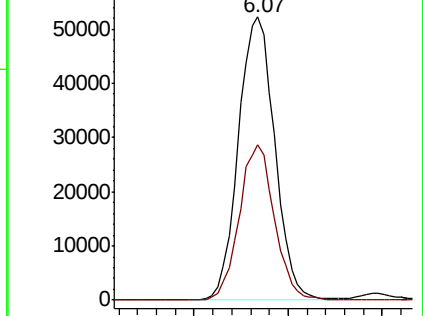
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

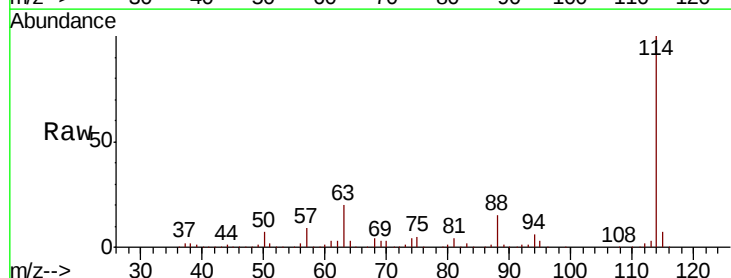
Tgt Ion: 114 Resp: 356394

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

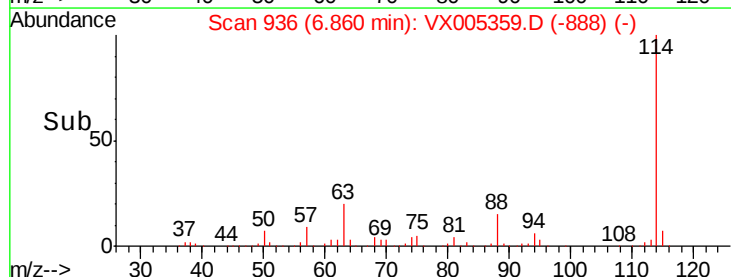
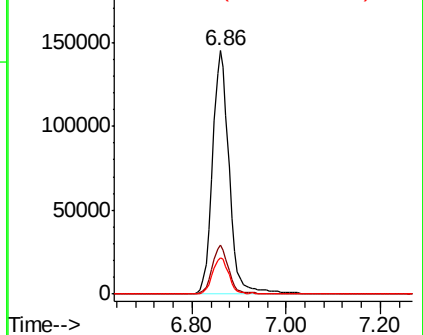
88 15.1 0.0 30.4

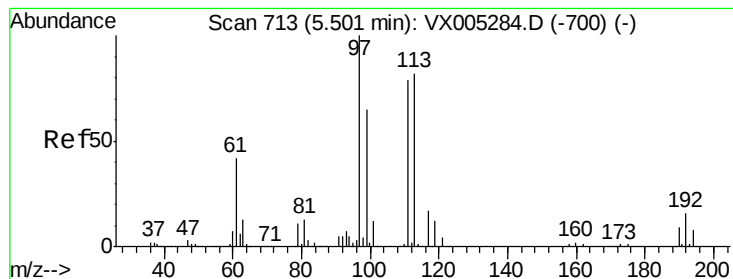


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.155 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

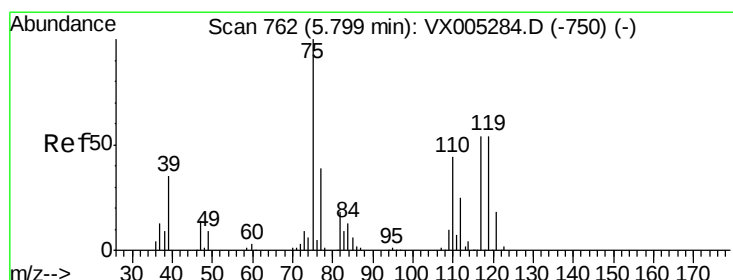
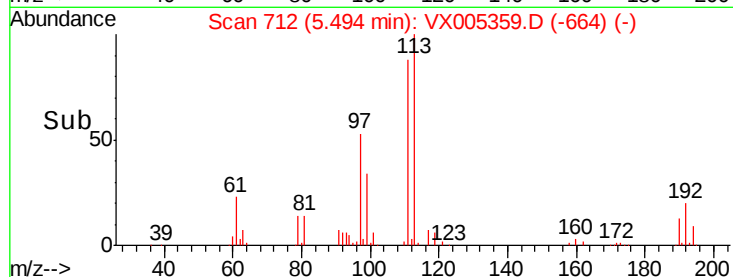
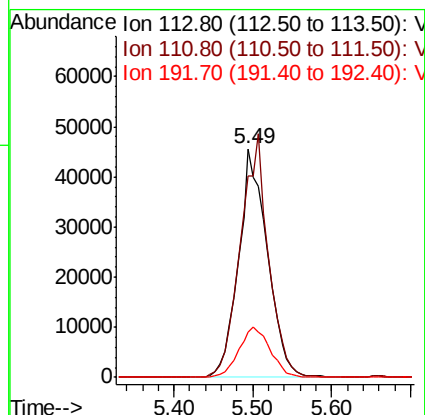
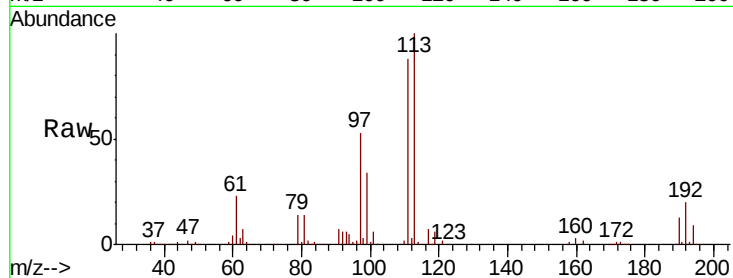
ClientSampleId :

VX1016WBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 116029 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.8 | 82.4  | 123.6  |
| 192       | 24.0  | 19.4  | 29.2   |

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 18.310 ug/l

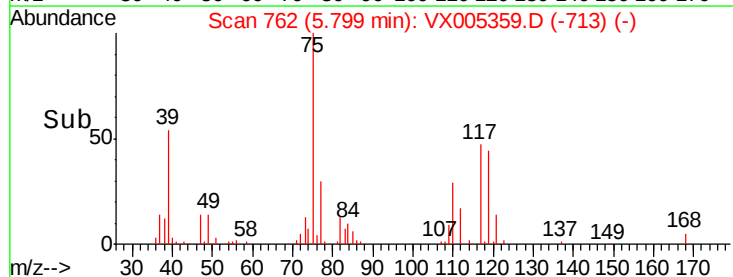
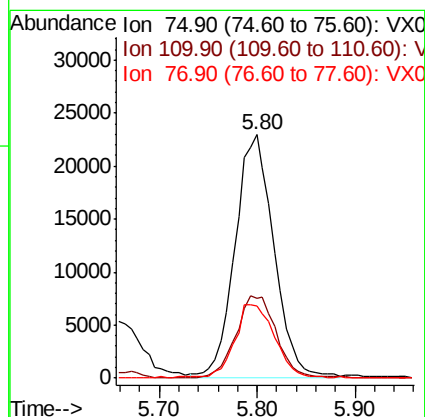
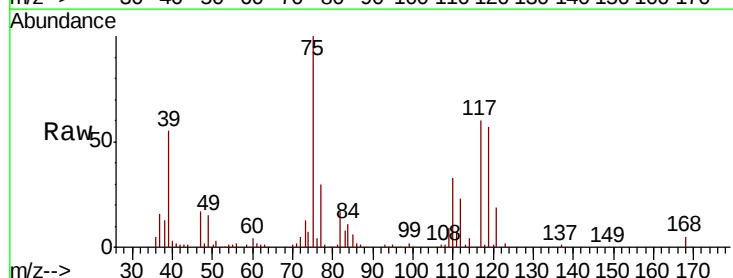
RT: 5.80 min Scan# 762

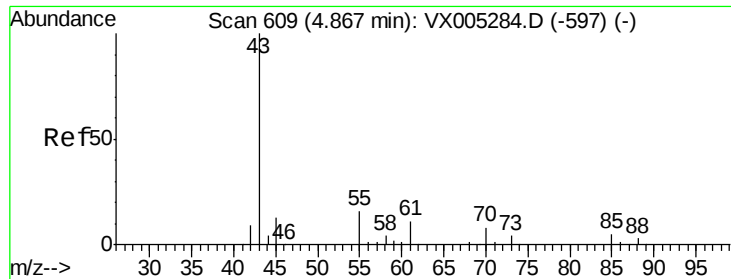
Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 63201 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 35.0  | 18.0  | 54.0  |
| 77        | 30.5  | 24.6  | 36.8  |





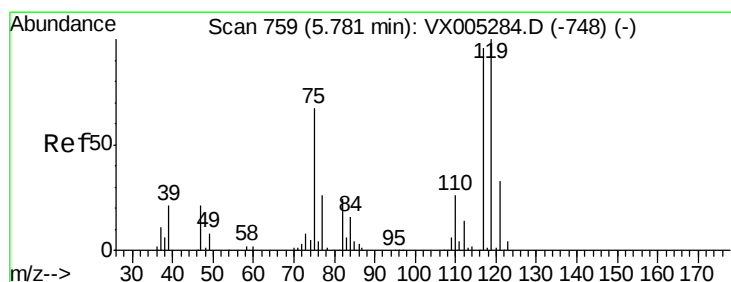
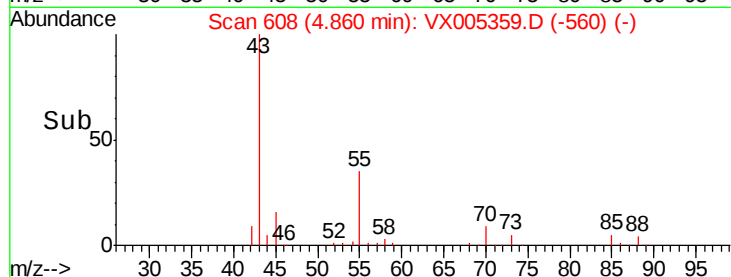
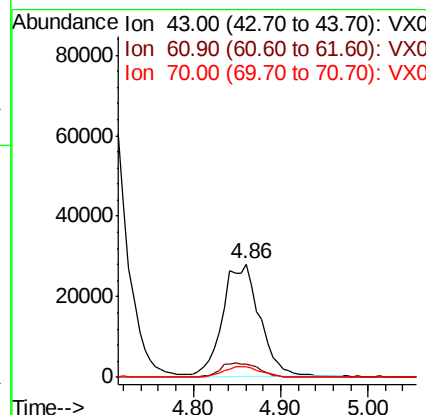
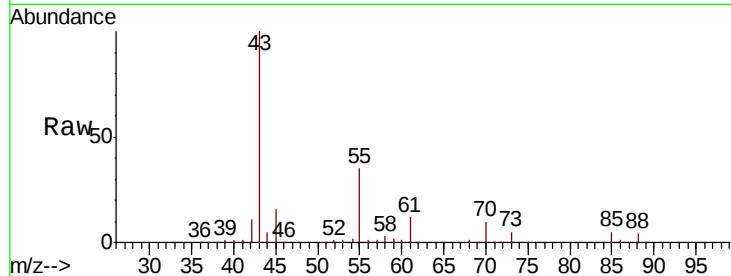
#37  
Ethyl Acetate  
Concen: 18.372 ug/l  
RT: 4.86 min Scan# 608  
Delta R.T. -0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.1  | 11.5  | 17.3  |
| 70      | 10.2  | 9.0   | 13.6  |

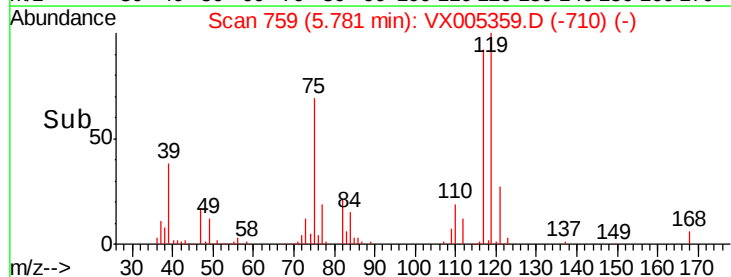
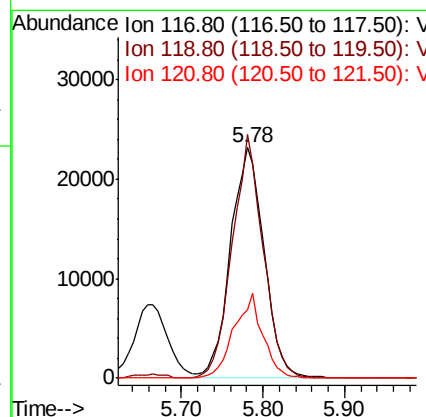
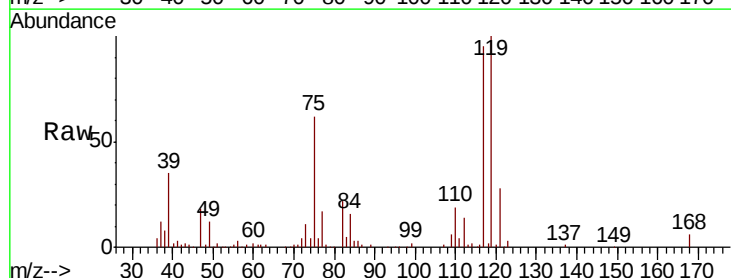
Manual Integrations  
APPROVED

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10/17/2018 9:34:26 AM



#38  
Carbon Tetrachloride  
Concen: 19.039 ug/l  
RT: 5.78 min Scan# 759  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 105.6 | 78.8  | 118.2 |
| 121     | 29.7  | 24.9  | 37.3  |





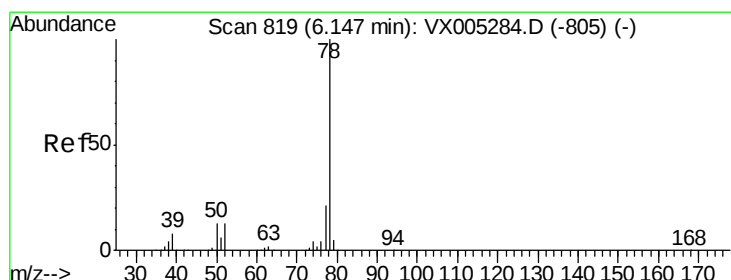
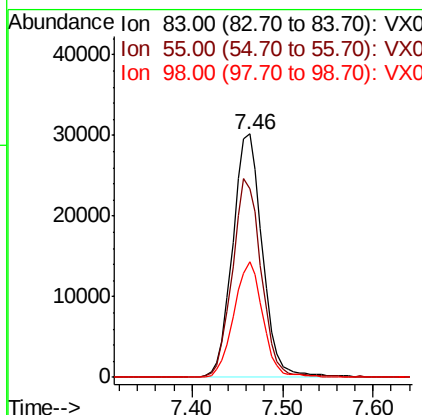
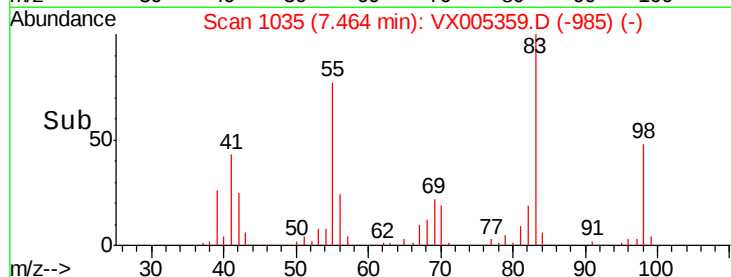
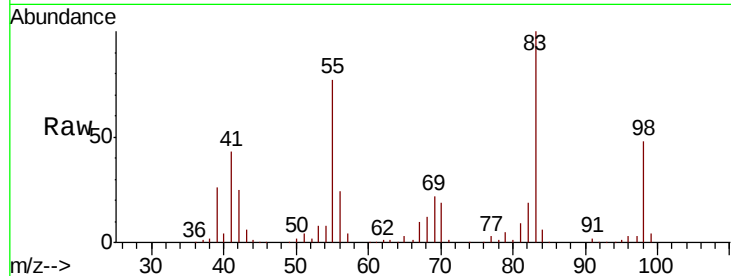
#39  
Methvlcvclohexane  
Concen: 18.360 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 77.3  | 61.0  | 91.4  |
| 98      | 47.5  | 39.6  | 59.4  |

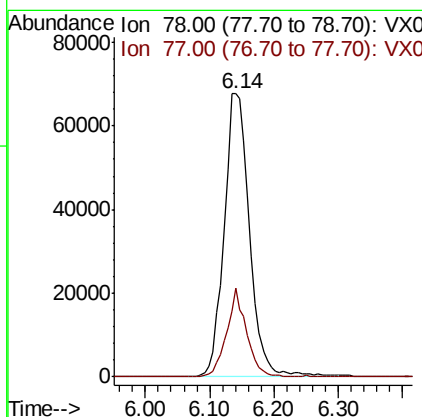
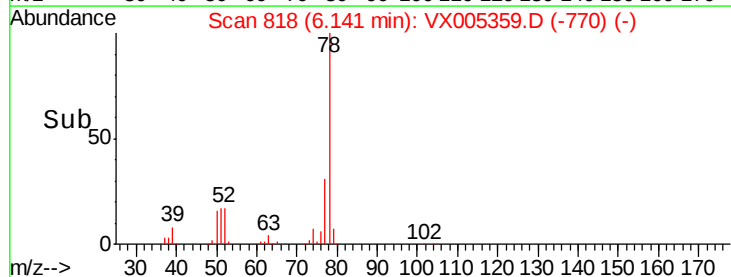
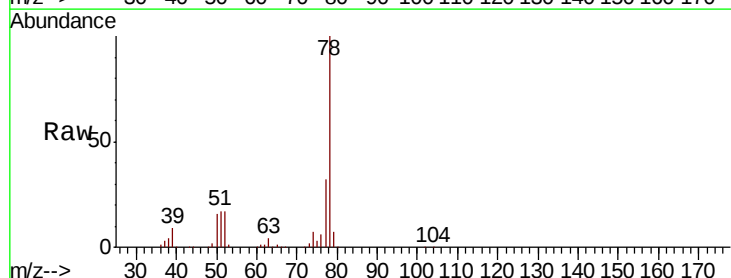
Manual Integrations  
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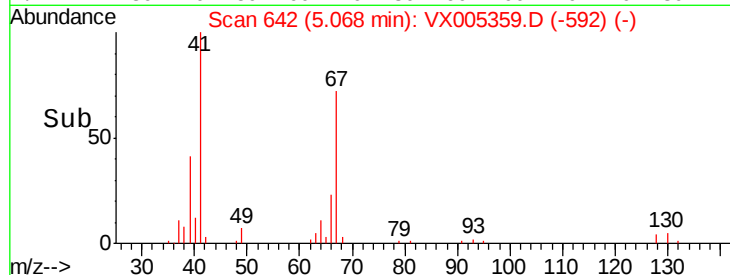
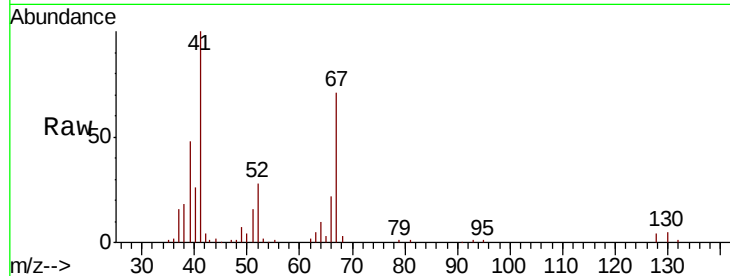
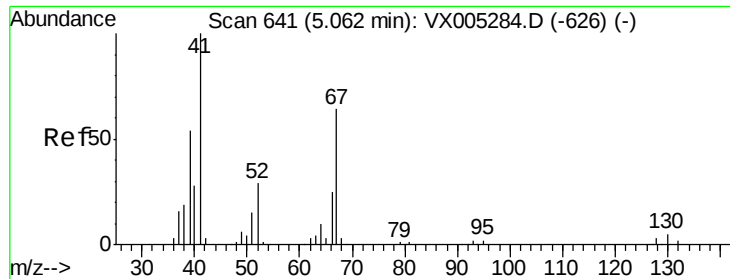
MMDadoda  
10/17/2018 9:34:26 AM



#40  
Benzene  
Concen: 18.200 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 31.6  | 19.0  | 28.4# |





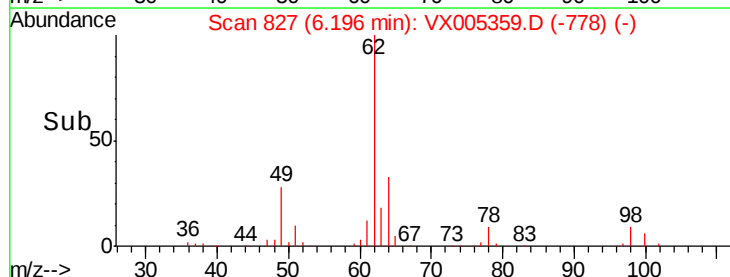
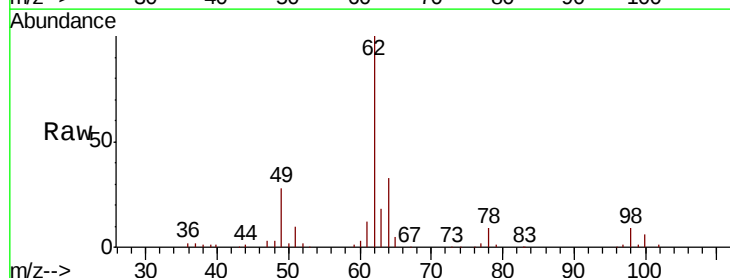
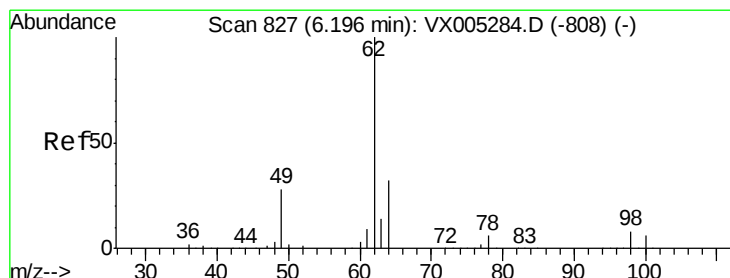
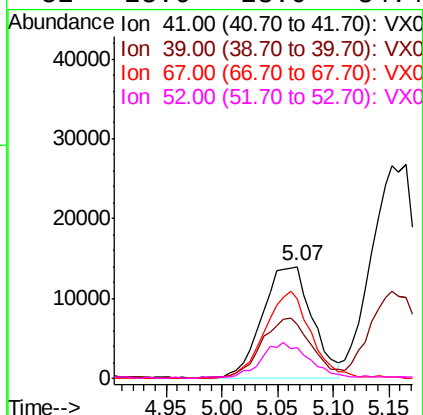
#41  
Methacrylonitrile  
Concen: 18.451 ug/l  
RT: 5.07 min Scan# 642  
Delta R.T. 0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 53.3 | 42.4  | 63.6  |       |
| 67      | 70.8 | 59.2  | 88.8  |       |
| 52      | 28.6 | 23.0  | 34.4  |       |

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

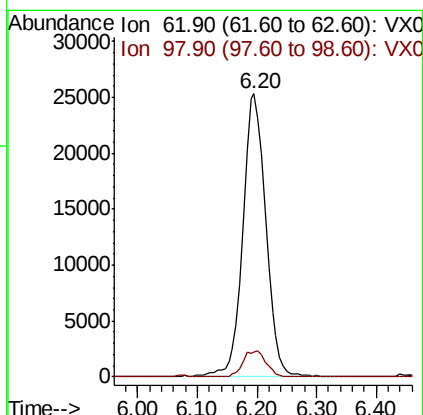
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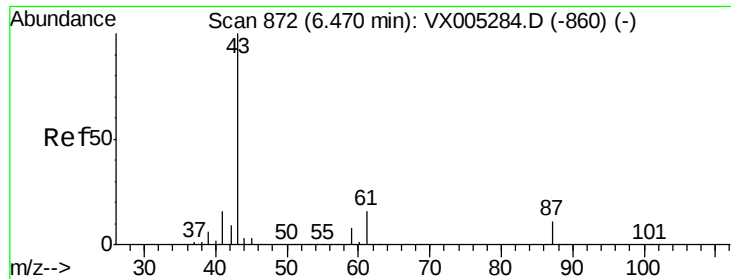
MMDadoda  
10/17/2018 9:34:26 AM



#42  
1,2-Dichloroethane  
Concen: 18.698 ug/l  
RT: 6.20 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.3 | 0.0   | 20.6  |       |





#43

Isopropyl Acetate

Concen: 18.945 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

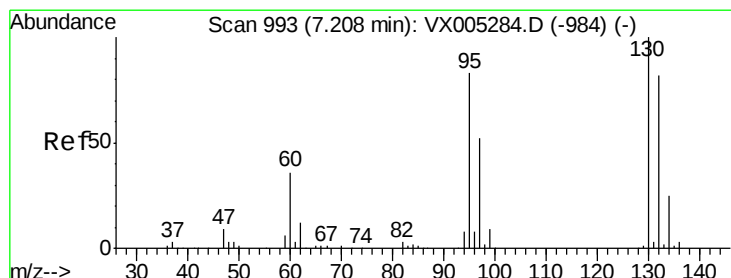
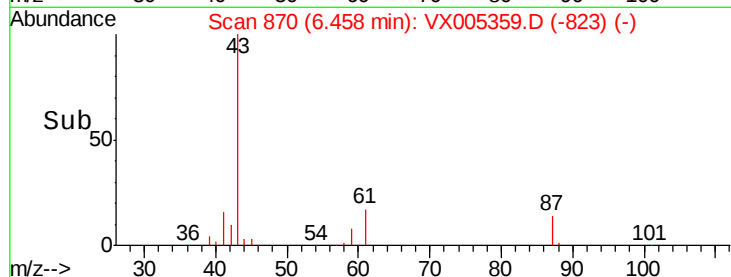
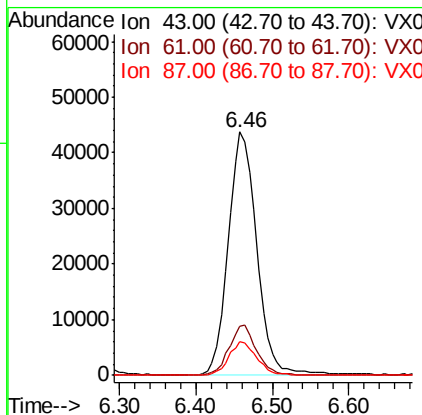
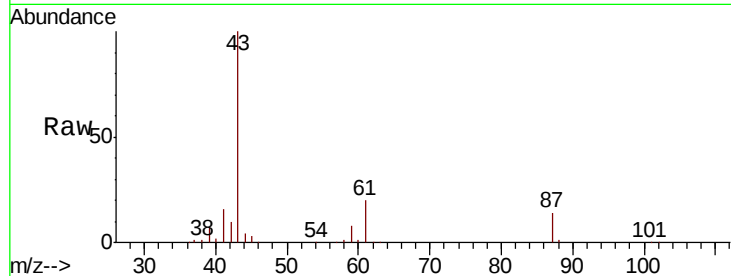
ClientSampleId :

VX1016WBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 112022 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 20.0  | 17.0  | 25.4   |
| 87       | 13.6  | 11.4  | 17.2   |

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#44

Trichloroethene

Concen: 19.431 ug/l

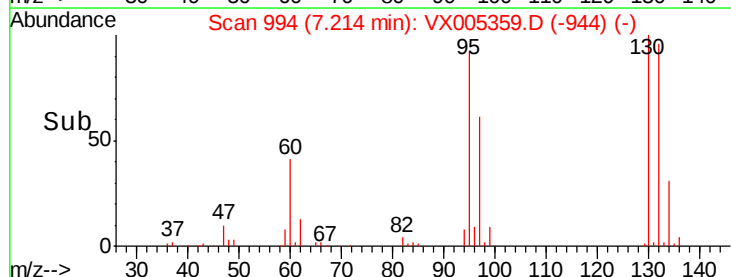
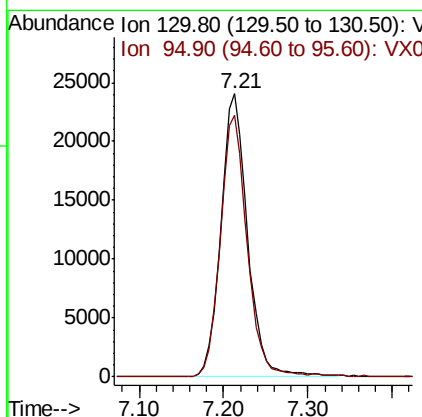
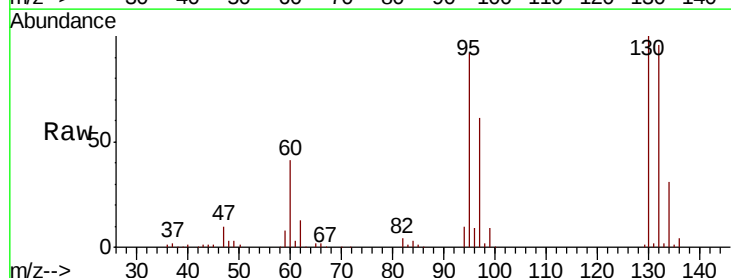
RT: 7.21 min Scan# 994

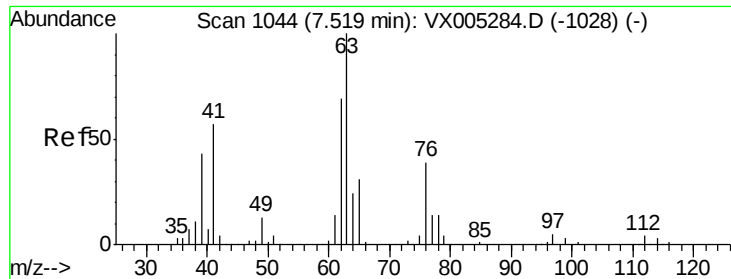
Delta R.T. 0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 52378 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 92.0  | 0.0   | 181.6 |





#45

1,2-Dichloropropane

Concen: 18.833 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 63 Resp: 47833

Ion Ratio Lower Upper

63 100

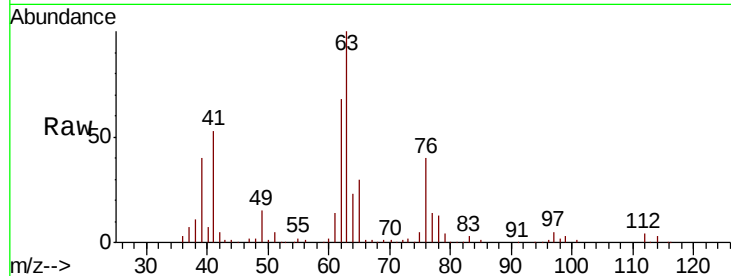
65 30.1 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

25000

20000

15000

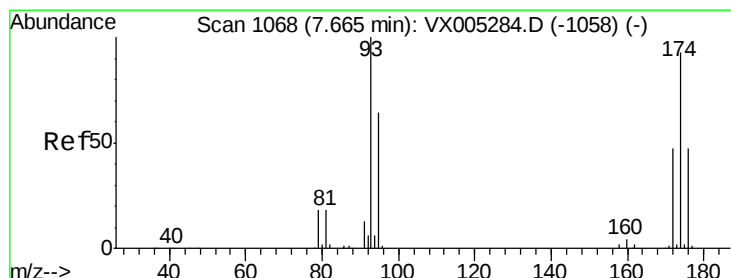
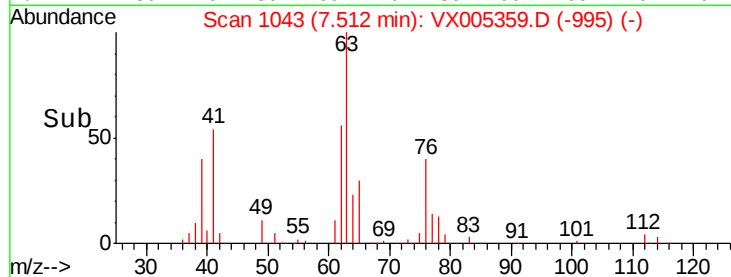
10000

5000

0

7.45 7.50 7.55 7.60

Time-->



#46

Dibromomethane

Concen: 19.352 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

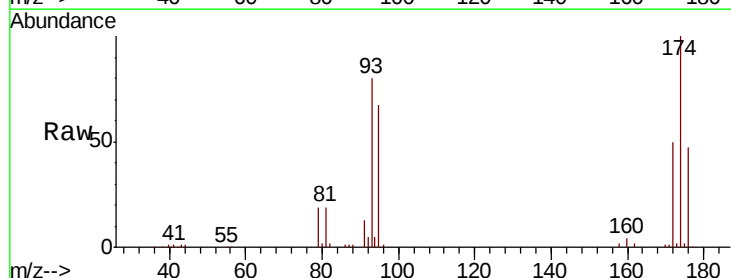
Tgt Ion: 93 Resp: 32441

Ion Ratio Lower Upper

93 100

95 83.0 65.5 98.3

174 121.7 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

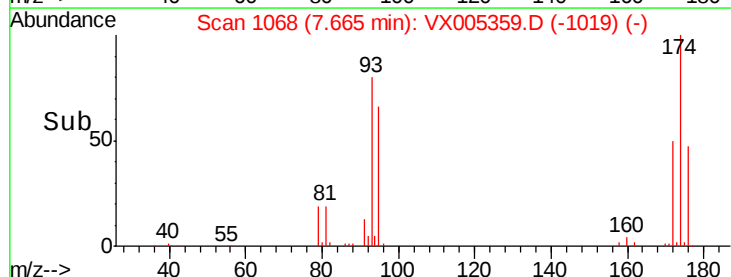
10000

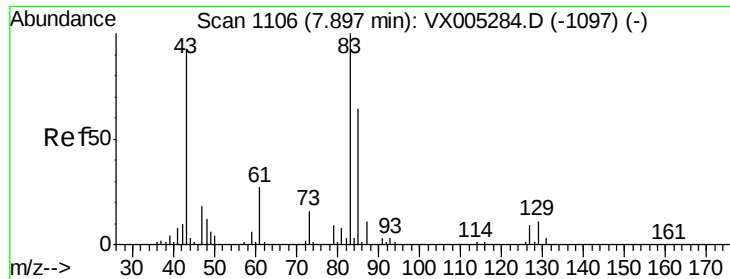
5000

0

7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 19.953 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

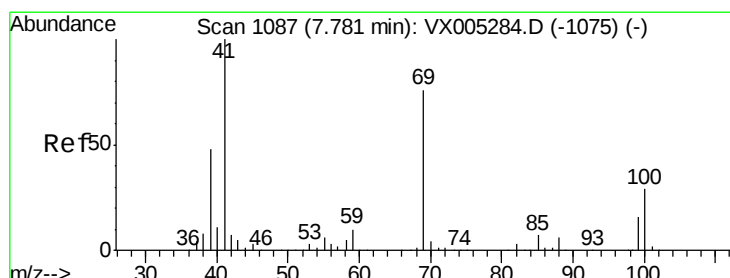
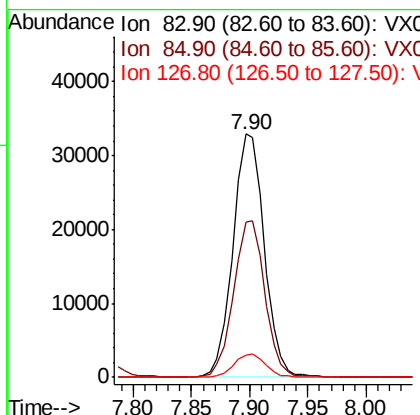
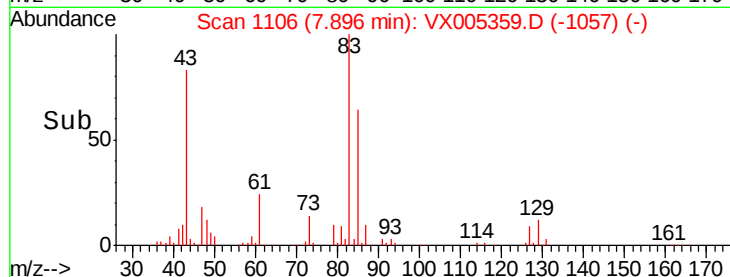
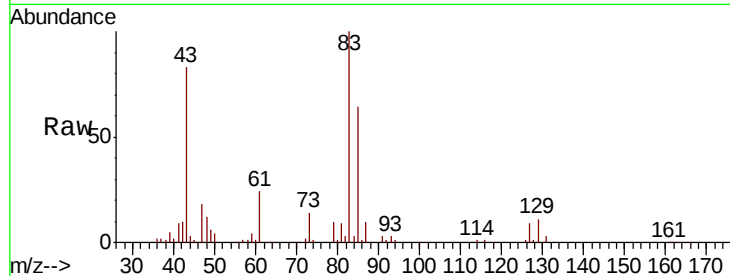
ClientSampleId :

VX1016WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 61869 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.6  | 50.9  | 76.3  |
| 127      | 8.9   | 7.3   | 10.9  |

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#48

Methyl methacrylate

Concen: 18.676 ug/l

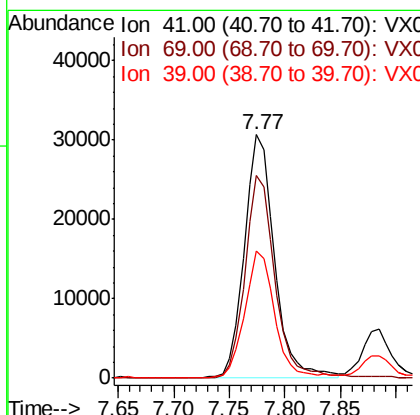
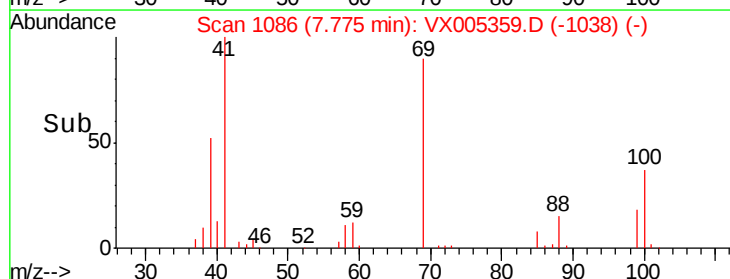
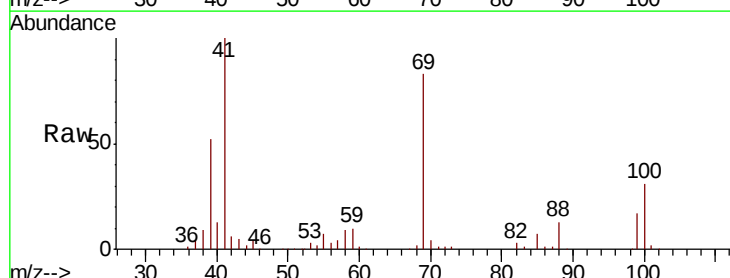
RT: 7.77 min Scan# 1086

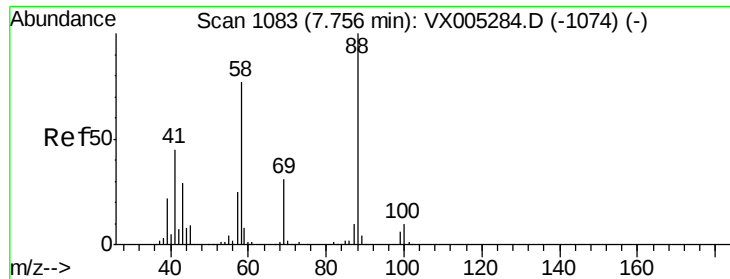
Delta R.T. -0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 57277 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 83.8  | 70.2  | 105.4 |
| 39       | 52.9  | 42.7  | 64.1  |





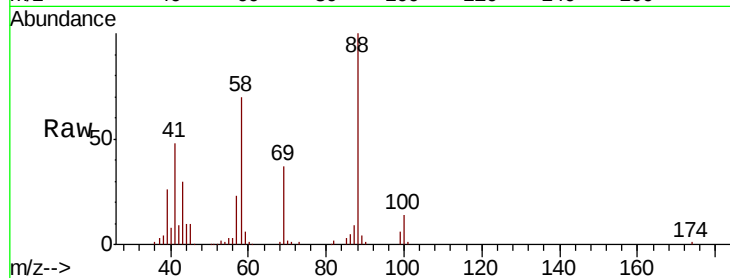
#49  
1,4-Dioxane  
Concen: 389.226 ug/l  
RT: 7.76 min Scan# 1083  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

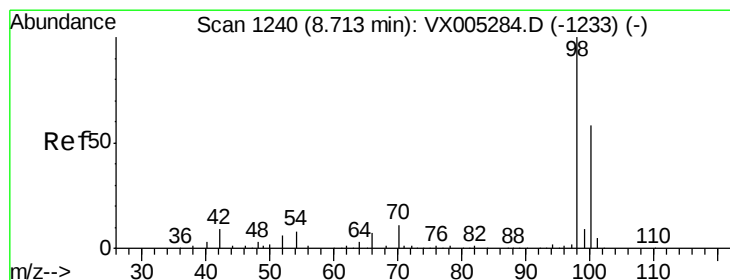
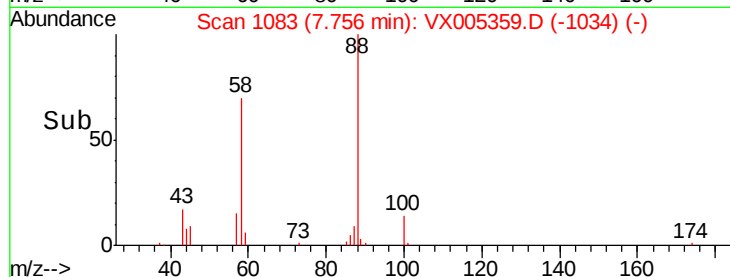
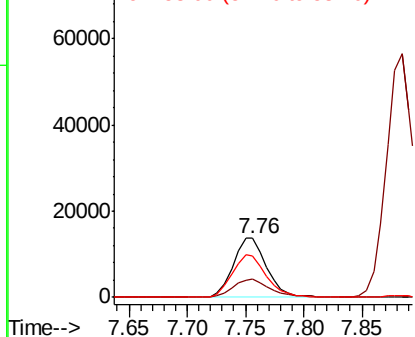
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 34.5  | 24.7  | 37.1  |
| 58      | 74.6  | 55.3  | 82.9  |

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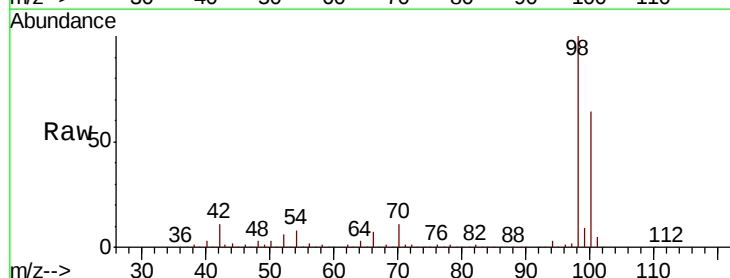


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

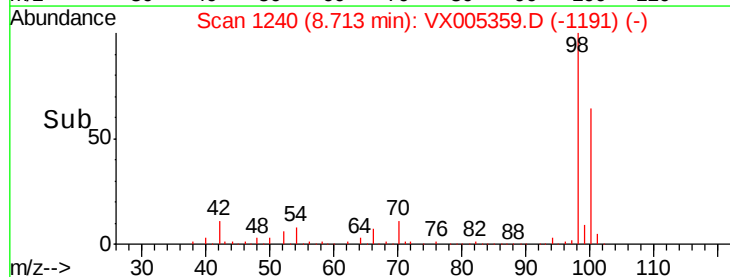
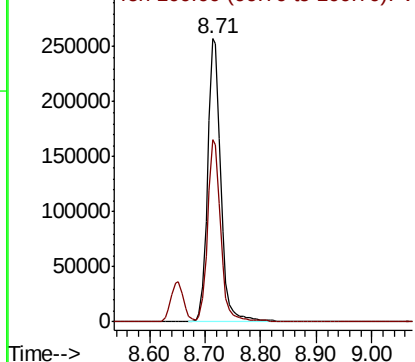


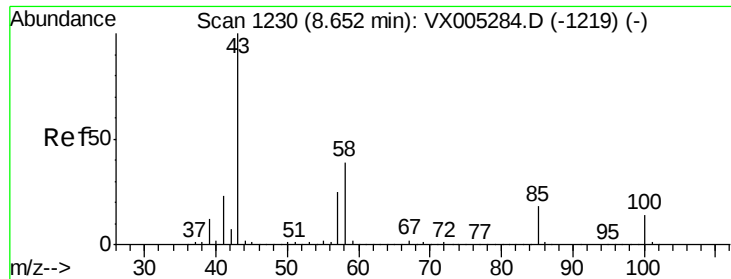
#50  
Toluene-d8  
Concen: 53.128 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 52.9  | 79.3  |



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): VX0





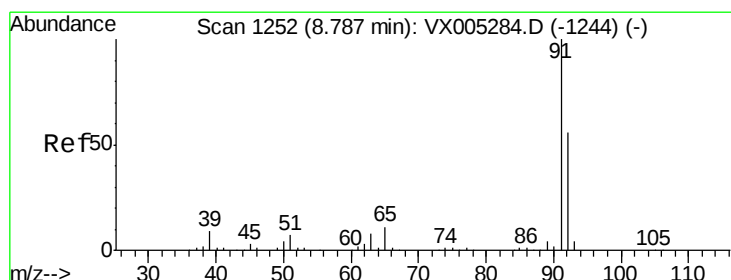
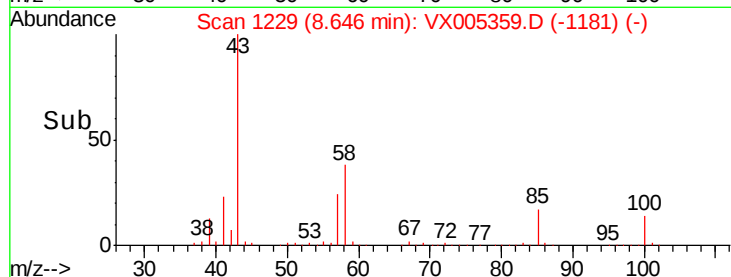
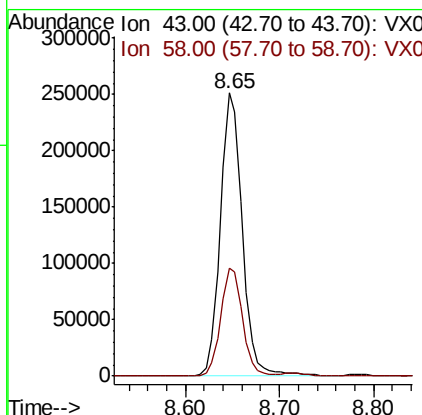
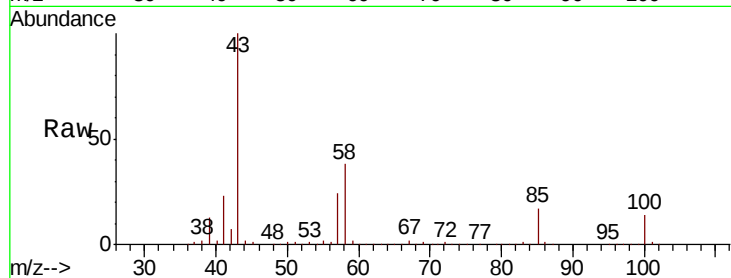
#51  
4-Methyl-2-Pentanone  
Concen: 99.293 ug/l  
RT: 8.65 min Scan# 1229  
Delta R.T. -0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

Tot Ion: 43 Resp: 406533  
Ion Ratio Lower Upper  
43 100  
58 37.8 33.1 49.7

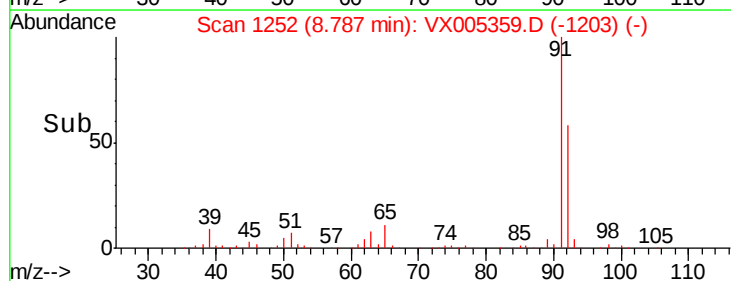
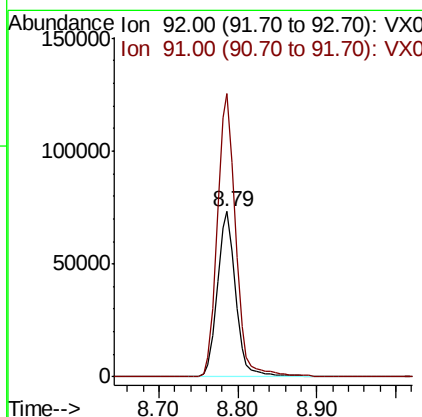
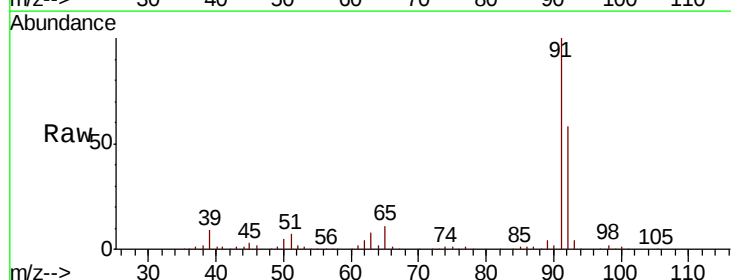
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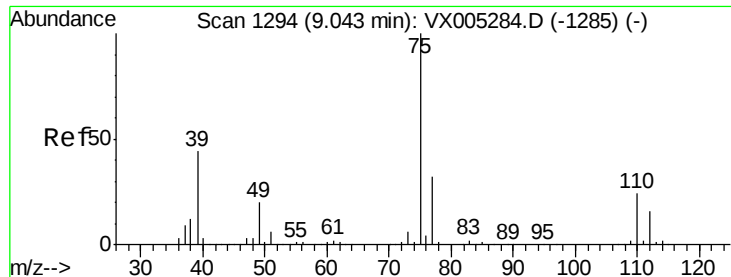
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#52  
Toluene  
Concen: 21.064 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Tgt Ion: 92 Resp: 119323  
Ion Ratio Lower Upper  
92 100  
91 172.3 136.4 204.6





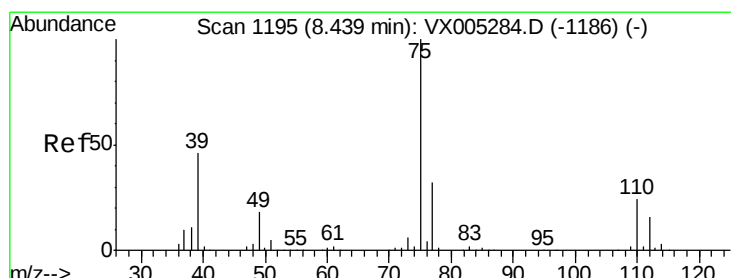
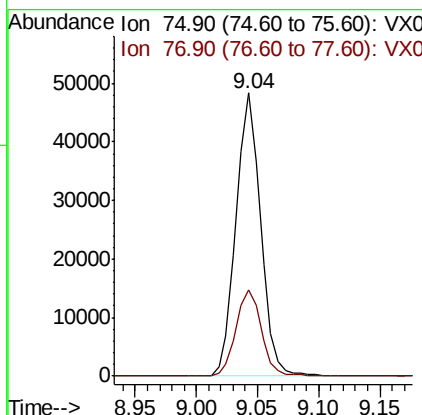
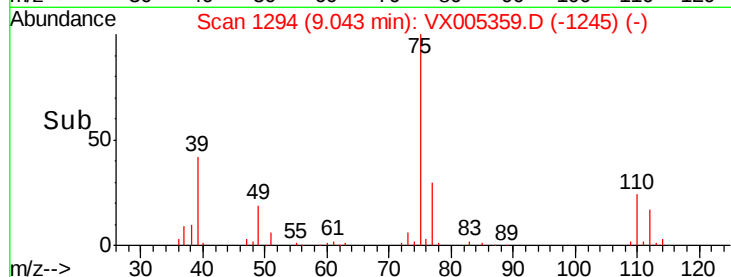
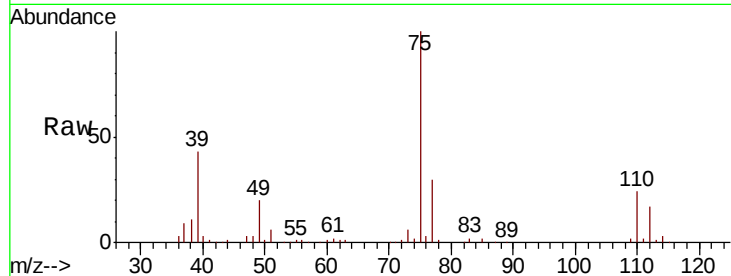
#53  
t-1,3-Dichloropropene  
Concen: 20.060 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

Tot Ion: 75 Resp: 67314  
Ion Ratio Lower Upper  
75 100  
77 30.3 24.6 37.0

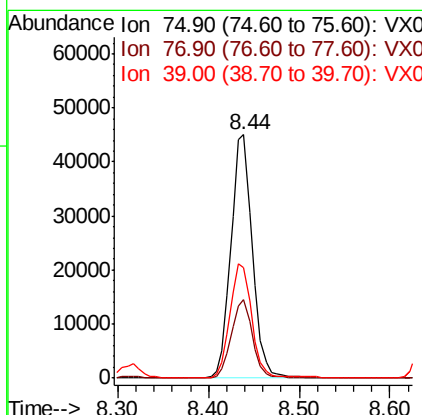
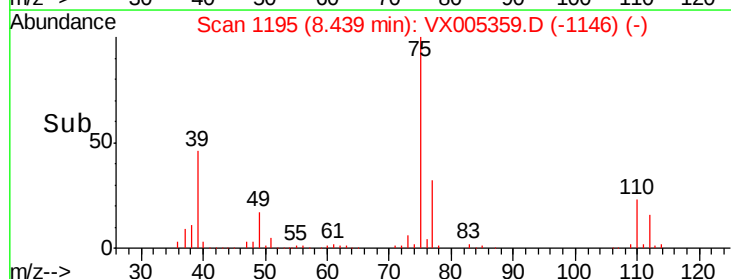
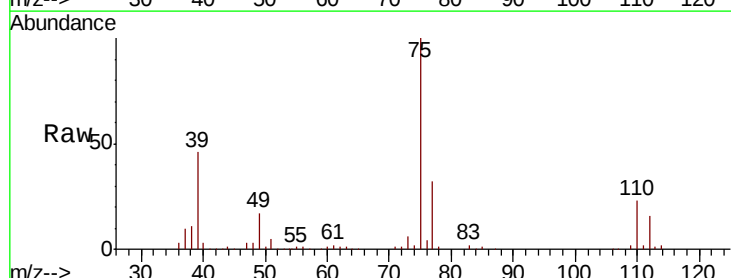
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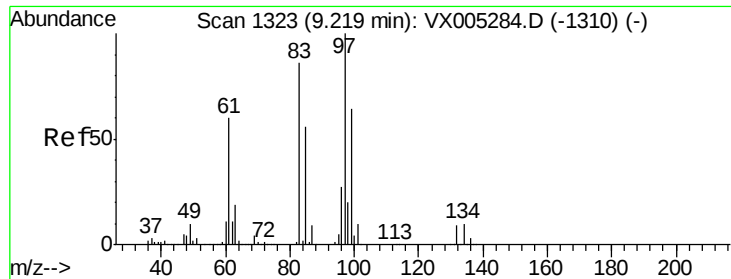
MMDadoda  
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#54  
cis-1,3-Dichloropropene  
Concen: 20.379 ug/l  
RT: 8.44 min Scan# 1195  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Tgt Ion: 75 Resp: 74097  
Ion Ratio Lower Upper  
75 100  
77 32.0 26.2 39.2  
39 45.4 36.4 54.6





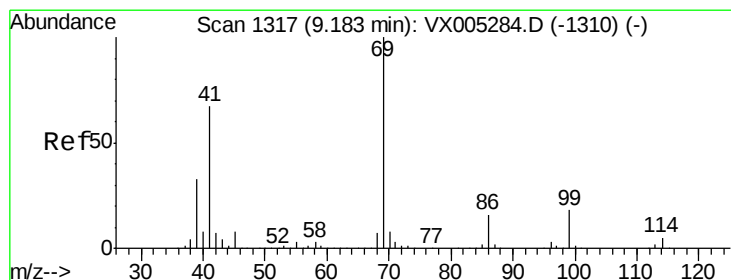
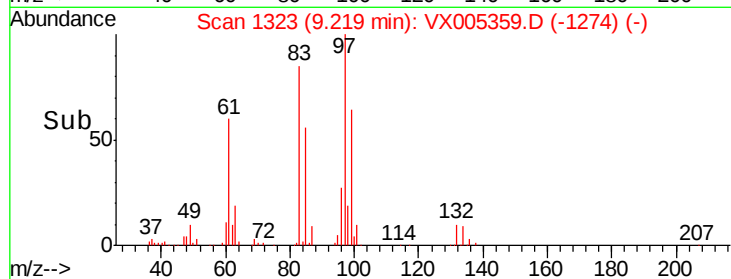
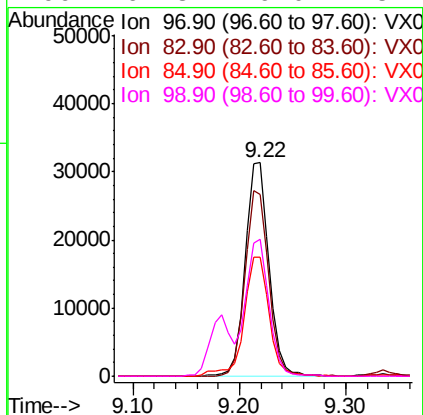
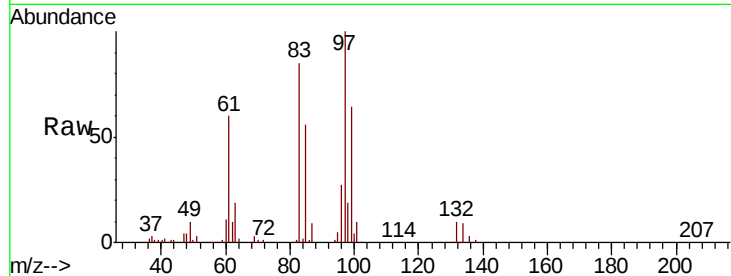
#55  
 1,1,2-Trichloroethane  
 Concen: 20.441 ug/l  
 RT: 9.22 min Scan# 1323  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1016WBSD01

| Tot Ion   | 97    | Resp  | 49045 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 83        | 85.2  | 66.4  | 99.6  |
| 85        | 55.8  | 43.3  | 64.9  |
| 99        | 64.3  | 49.0  | 73.4  |

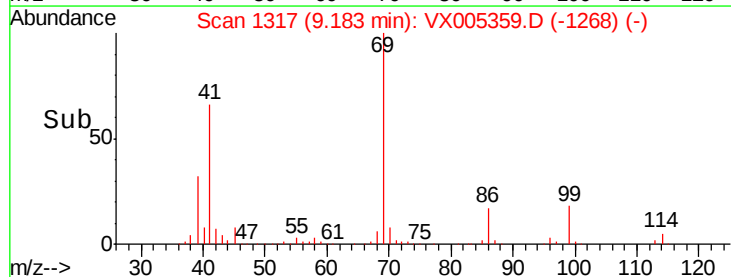
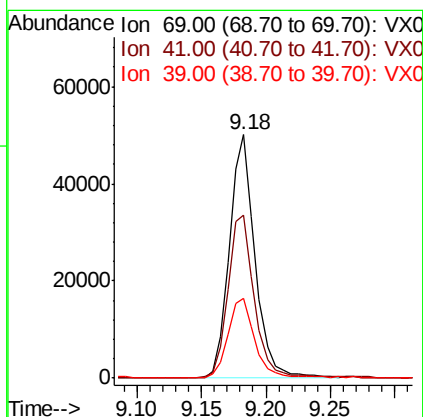
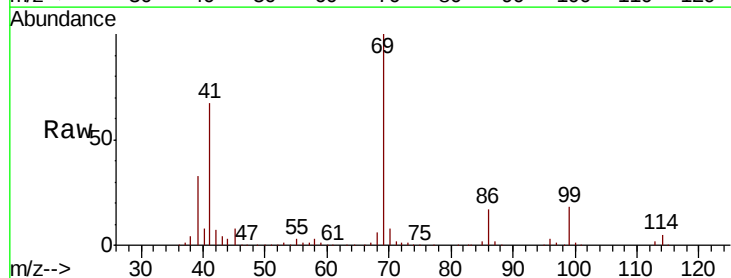
Manual Integrations  
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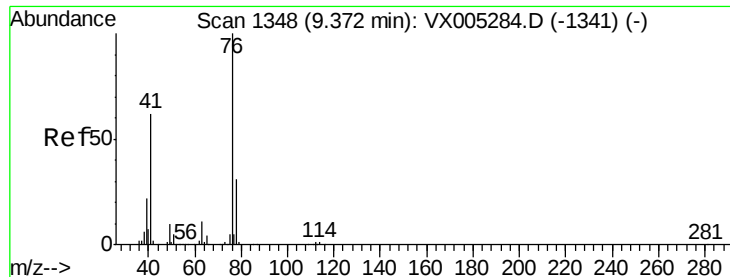
MMDadoda  
 10/17/2018 9:34:26 AM



#56  
 Ethyl methacrylate  
 Concen: 19.943 ug/l  
 RT: 9.18 min Scan# 1317  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

| Tgt Ion   | 69    | Resp  | 69754 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 69        | 100   |       |       |
| 41        | 68.7  | 51.0  | 76.4  |
| 39        | 33.9  | 26.1  | 39.1  |





#57

1,3-Dichloropropane

Concen: 20.015 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 76 Resp: 80152

Ion Ratio Lower Upper

76 100

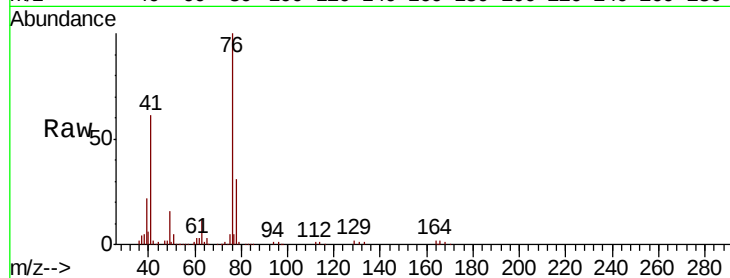
78 32.5 25.5 38.3

Manual Integrations

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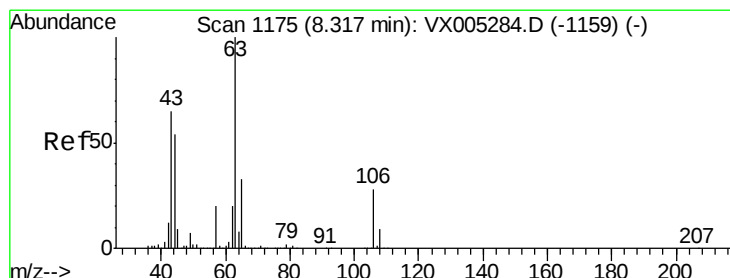
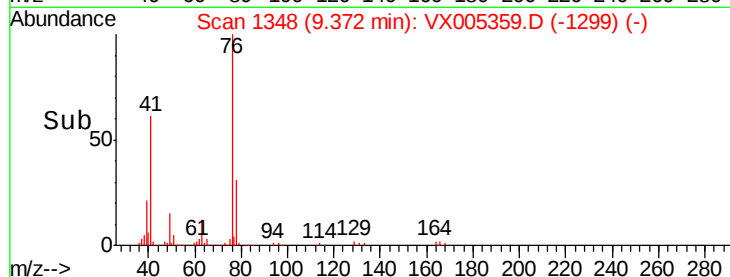
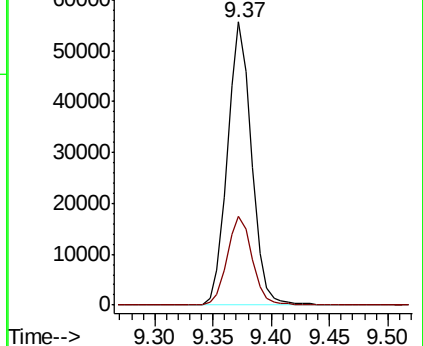
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 105.921 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005359.D

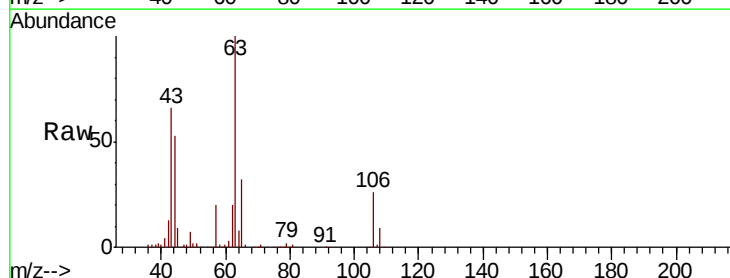
Acq: 16 Oct 2018 10:06

Tgt Ion: 63 Resp: 207775

Ion Ratio Lower Upper

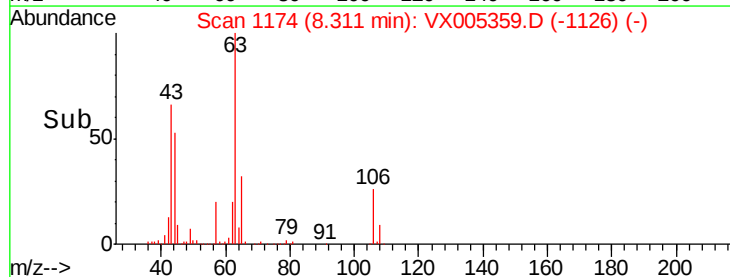
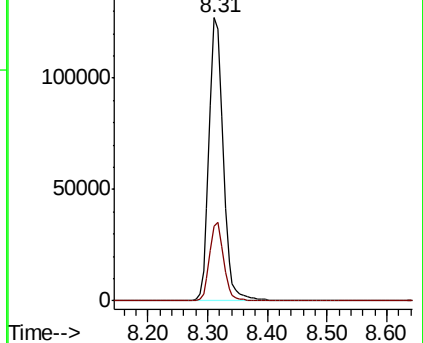
63 100

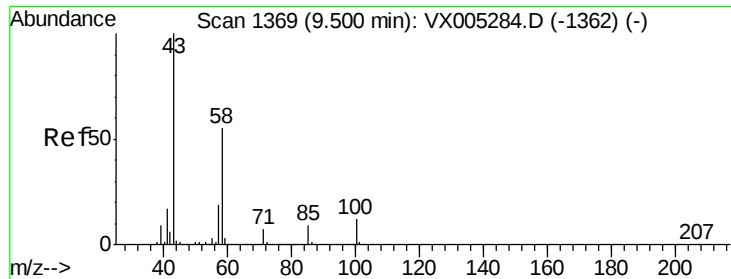
106 27.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





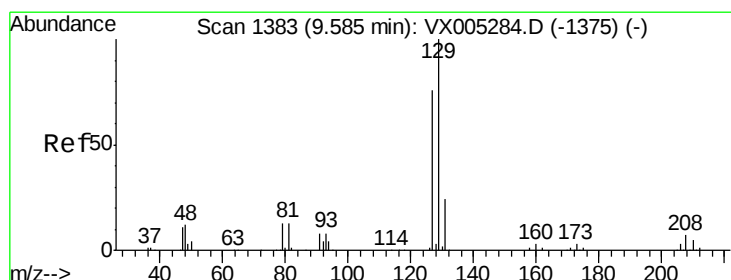
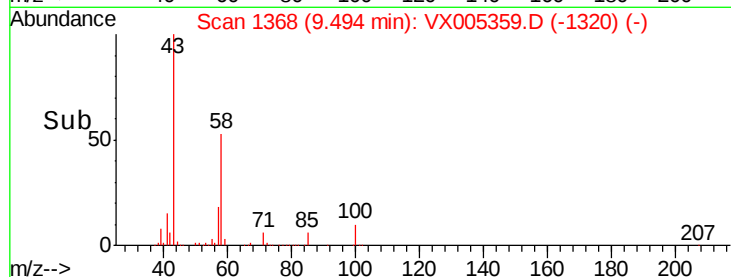
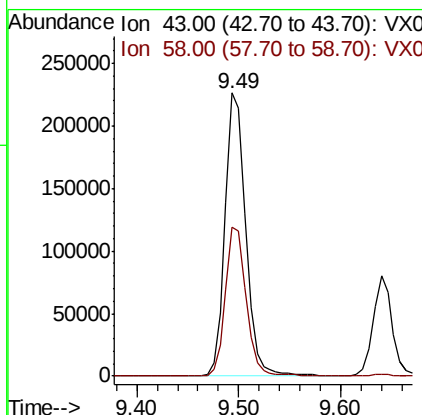
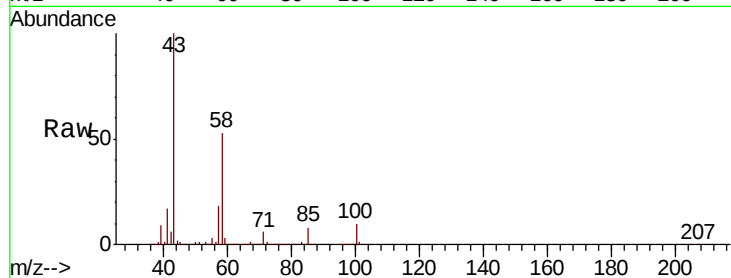
#59  
2-Hexanone  
Concen: 97.032 ug/l  
RT: 9.49 min Scan# 1368  
Delta R.T. -0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

Tot Ion: 43 Resp: 319571  
Ion Ratio Lower Upper  
43 100  
58 53.3 29.0 87.0

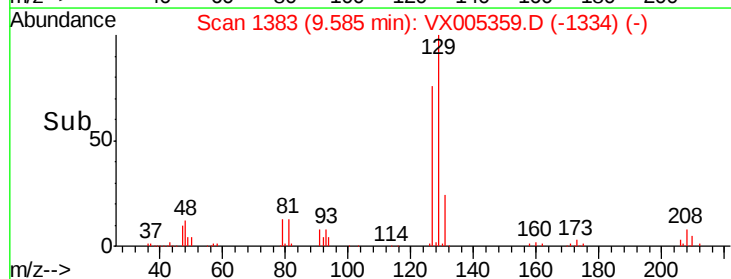
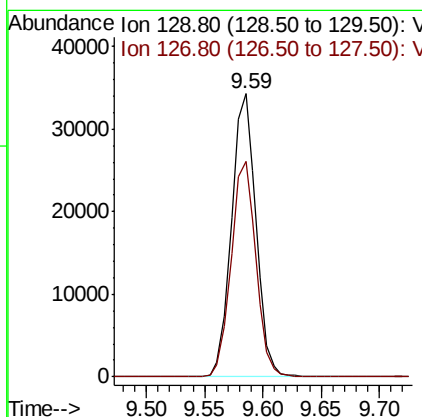
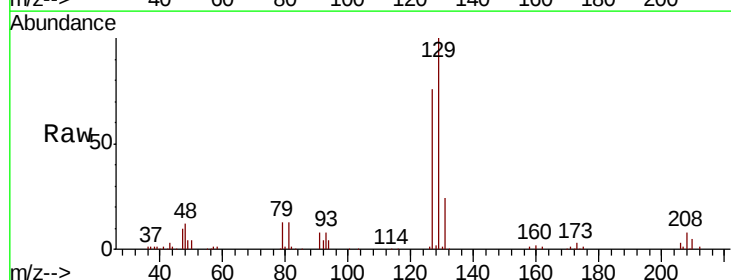
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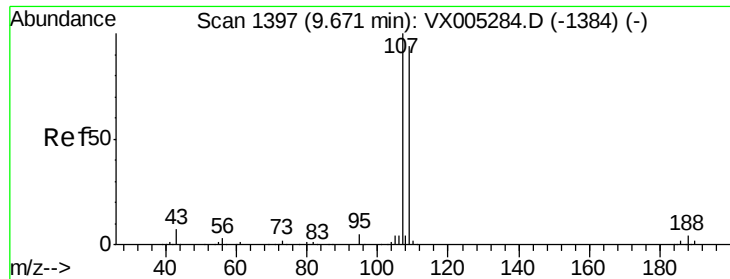
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 20.298 ug/l  
RT: 9.59 min Scan# 1383  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Tgt Ion: 129 Resp: 50340  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.407 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion:107 Resp: 51384

Ion Ratio Lower Upper

107 100

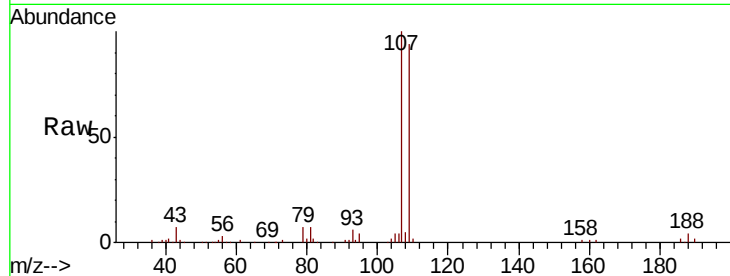
109 93.1 76.0 114.0

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

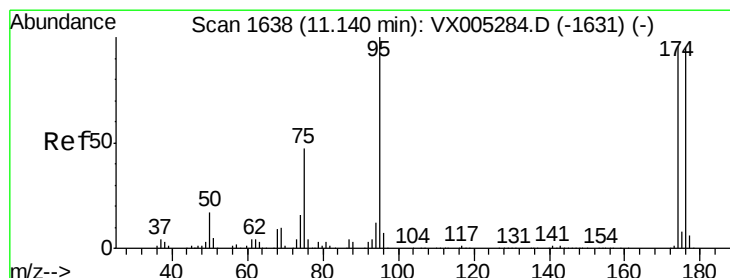
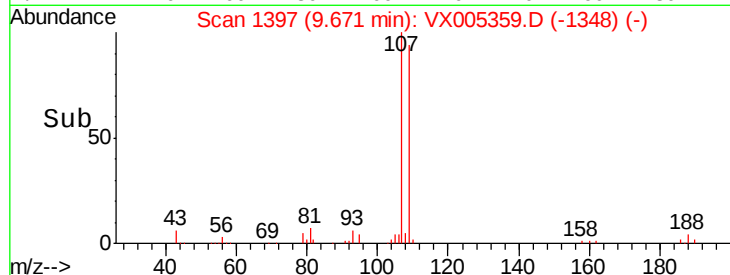
30000

20000

10000

0

Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 51.685 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

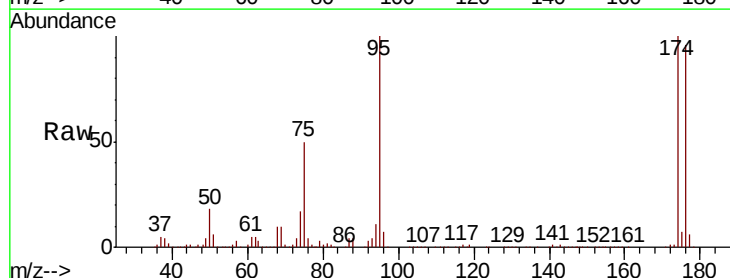
Tgt Ion: 95 Resp: 157343

Ion Ratio Lower Upper

95 100

174 95.8 0.0 185.2

176 92.7 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

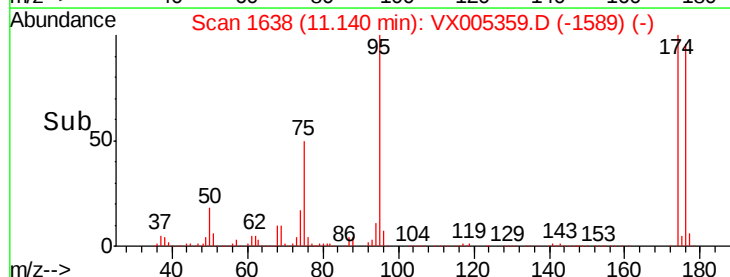
150000

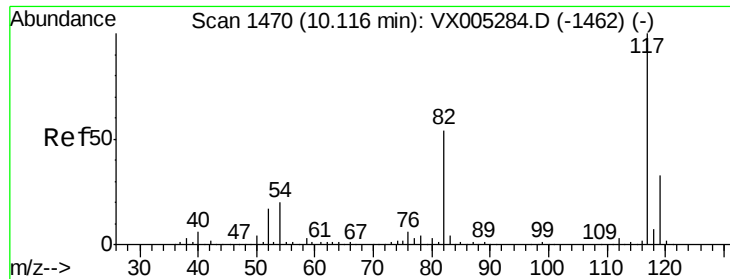
100000

50000

0

Time--> 11.10 11.20





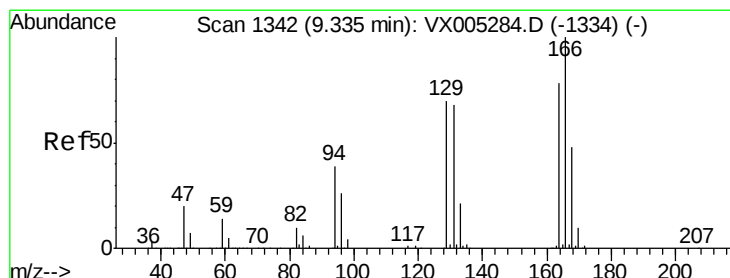
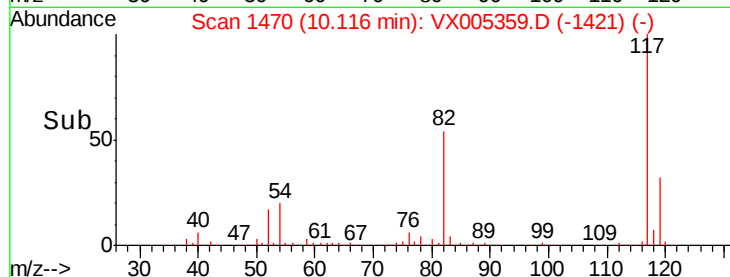
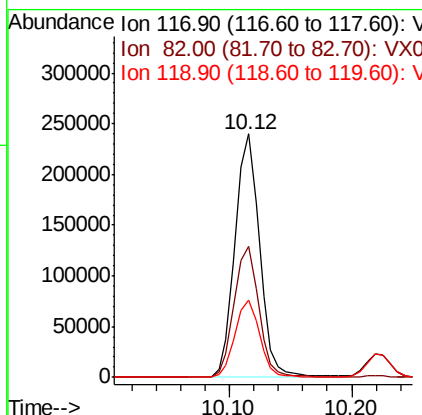
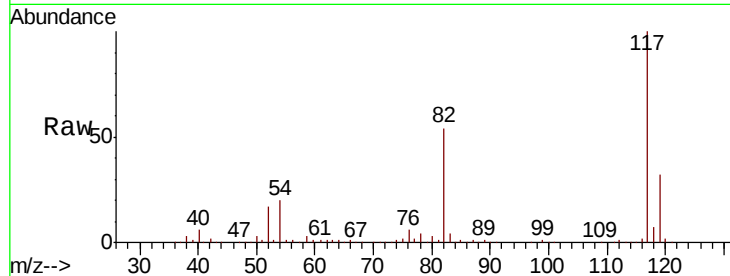
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.6  | 47.8  | 71.6  |
| 119     | 31.5  | 29.3  | 43.9  |

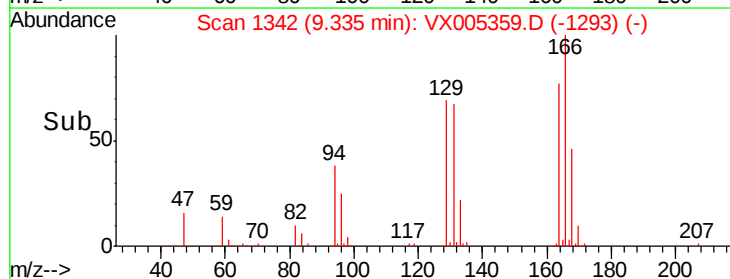
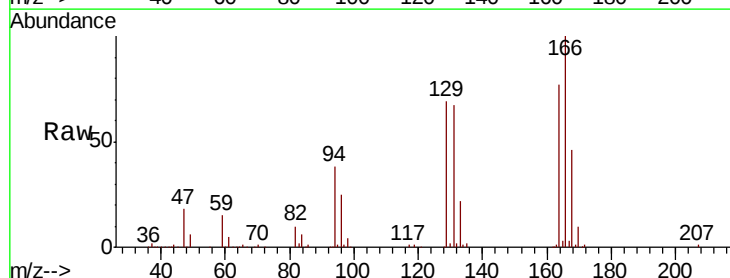
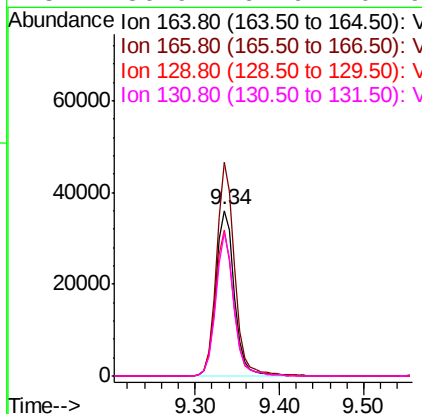
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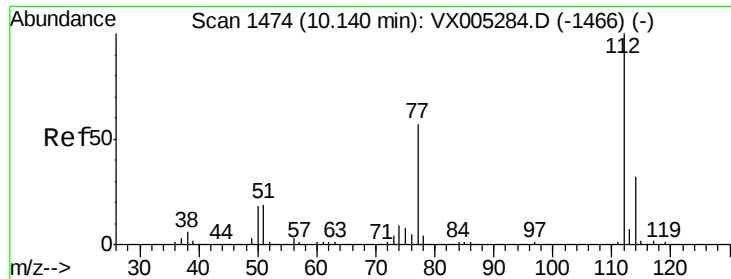
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 20.456 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.3 | 102.8 | 154.2 |
| 129     | 88.8  | 69.4  | 104.0 |
| 131     | 86.9  | 67.9  | 101.9 |





#65

Chlorobenzene

Concen: 18.894 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion:112 Resp: 134282

Ion Ratio Lower Upper

112 100

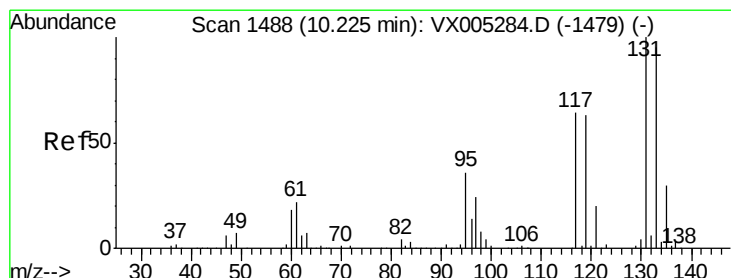
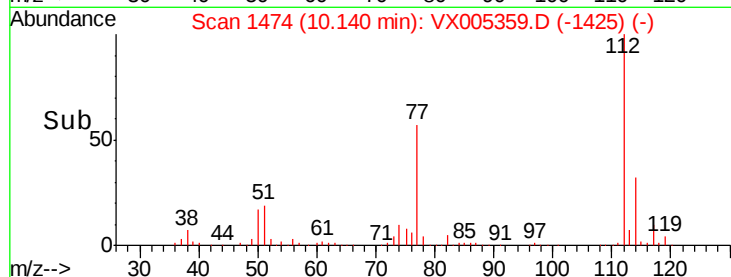
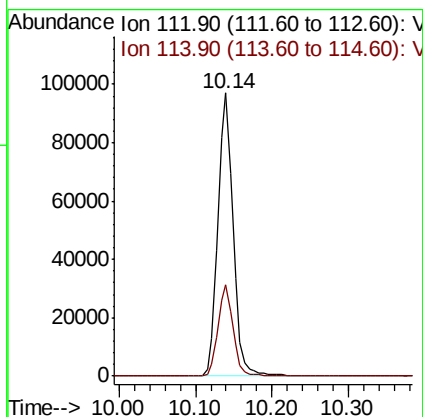
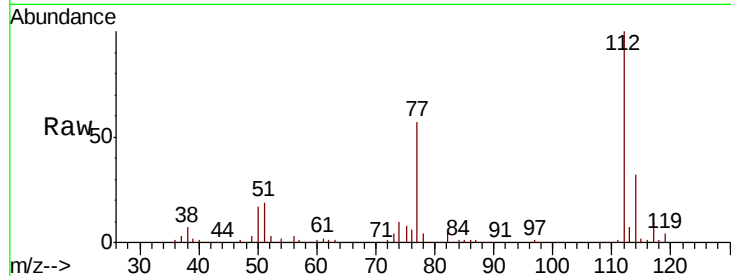
114 32.3 27.8 41.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.016 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

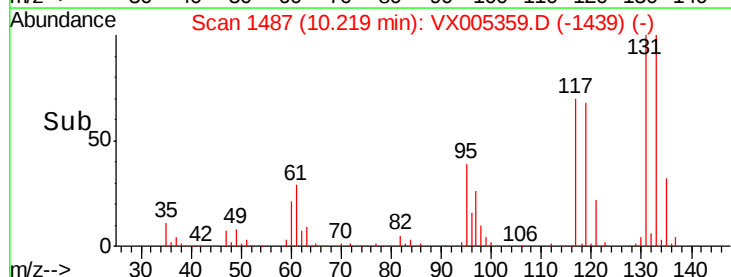
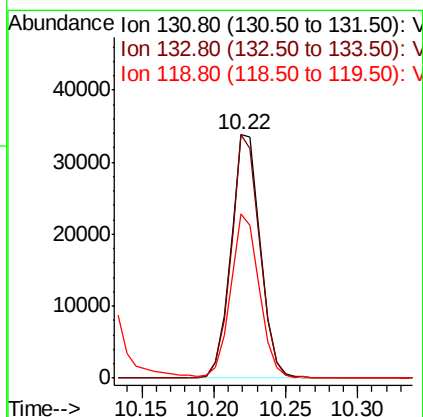
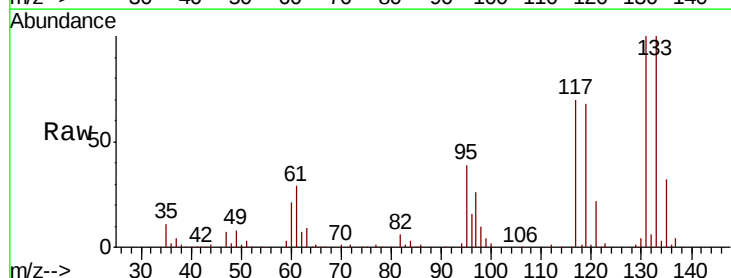
Tgt Ion:131 Resp: 48162

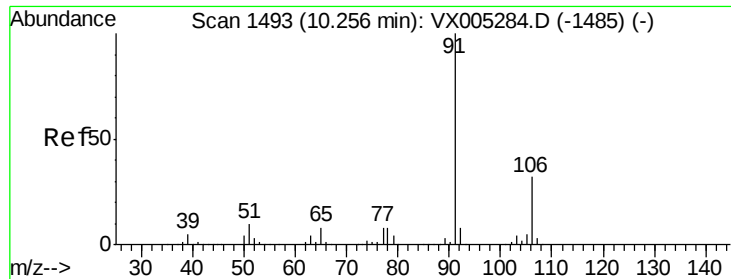
Ion Ratio Lower Upper

131 100

133 97.1 48.1 144.4

119 66.3 32.9 98.6





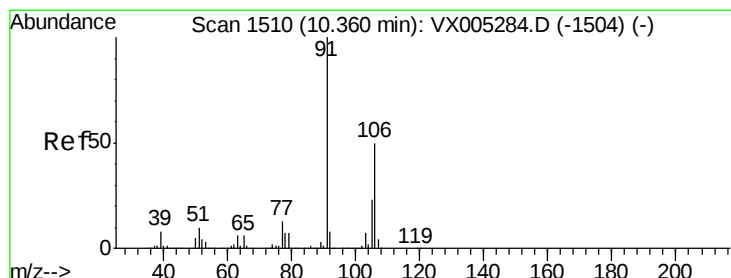
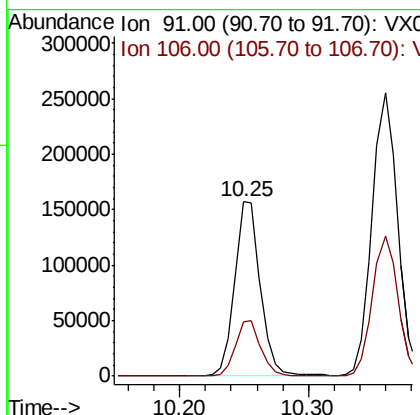
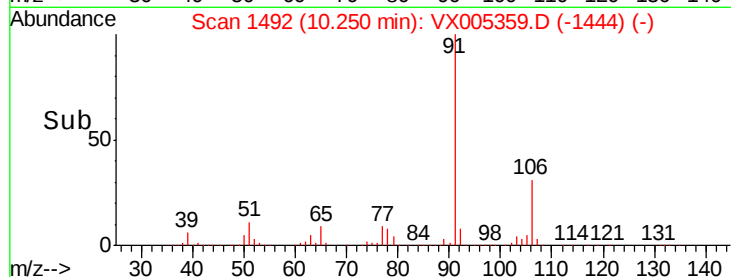
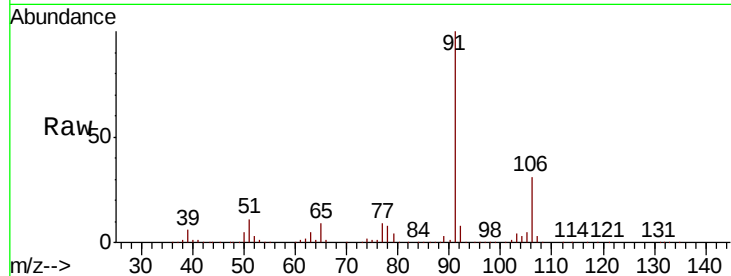
#67  
Ethyl Benzene  
Concen: 18.960 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

Tot Ion: 91 Resp: 219063  
Ion Ratio Lower Upper  
91 100  
106 31.1 25.9 38.9

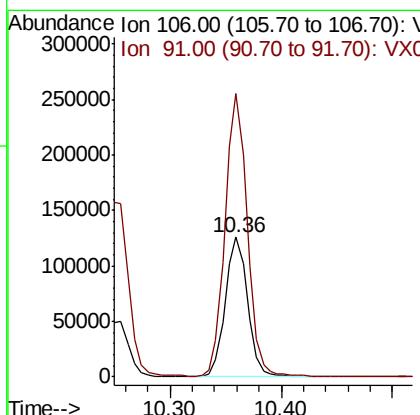
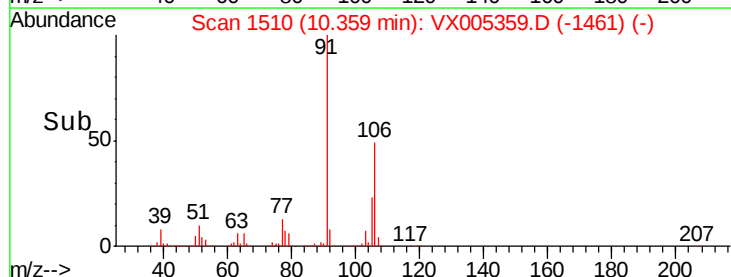
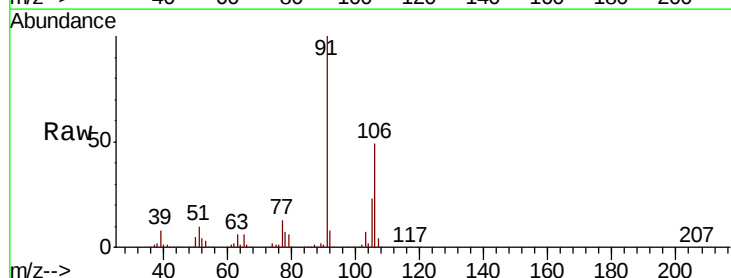
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#68  
m/p-Xylenes  
Concen: 38.990 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Tgt Ion: 106 Resp: 174846  
Ion Ratio Lower Upper  
106 100  
91 203.0 157.1 235.7





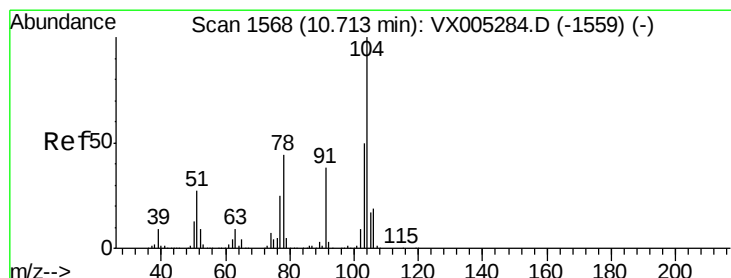
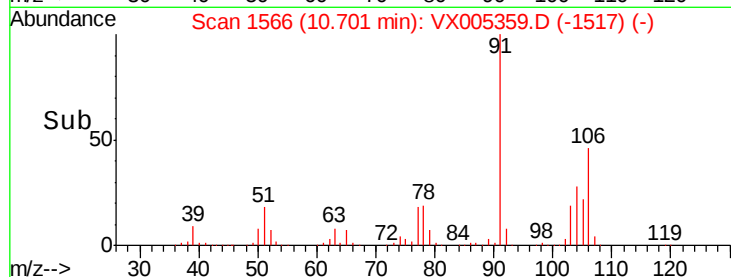
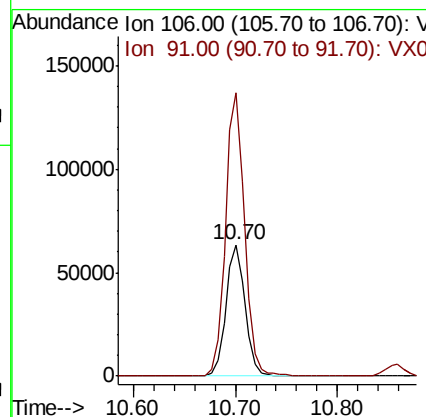
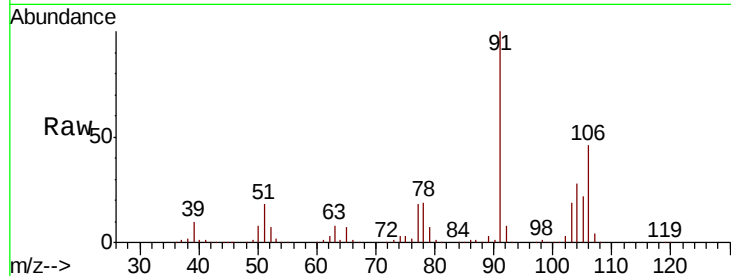
#69  
o-Xylene  
Concen: 19.200 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

Tot Ion:106 Resp: 83039  
Ion Ratio Lower Upper  
106 100  
91 214.9 105.1 315.1

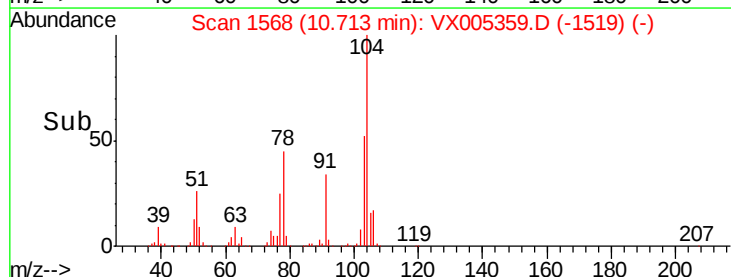
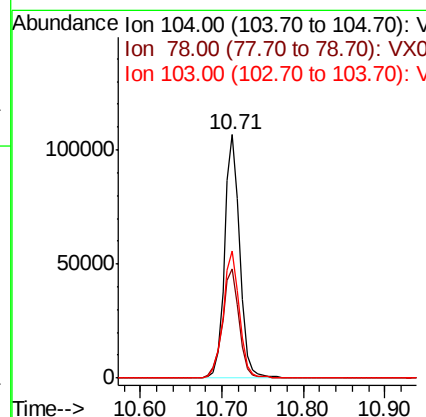
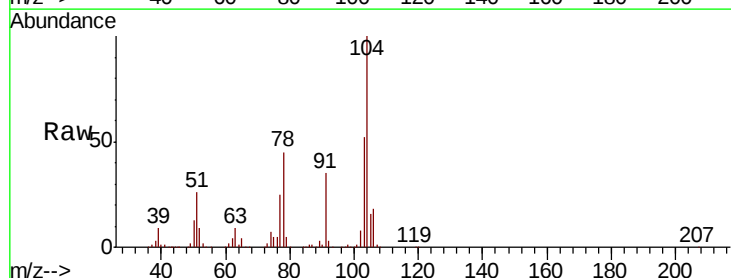
Manual Integrations  
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#70  
Styrene  
Concen: 19.524 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Tgt Ion:104 Resp: 138887  
Ion Ratio Lower Upper  
104 100  
78 49.9 37.4 56.0  
103 56.1 43.8 65.6





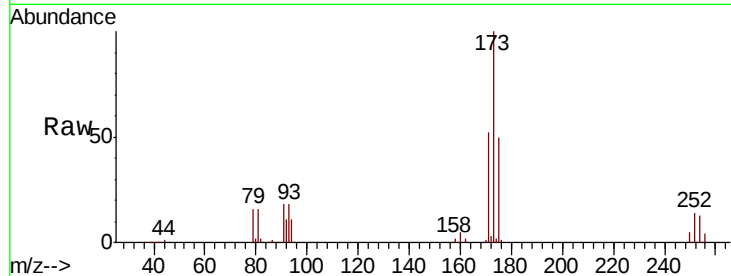
#71  
Bromoform  
Concen: 18.406 ug/l  
RT: 10.86 min Scan# 1592  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.1  | 72.3  |
| 254     | 0.1   | 0.2   | 0.2   |

Manual Integrations  
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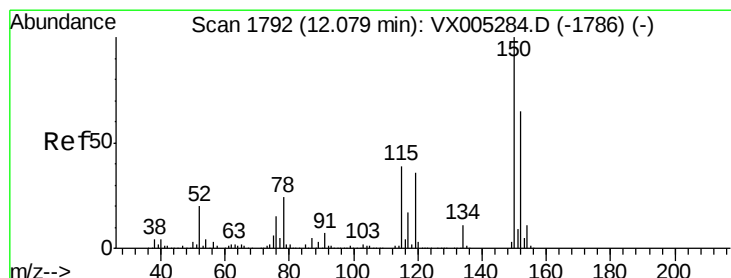
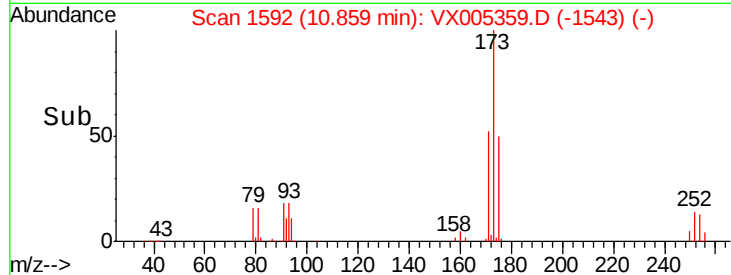
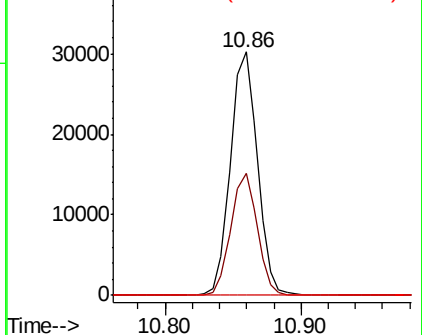


Abundance

Ion 172.70 (172.40 to 173.40): V

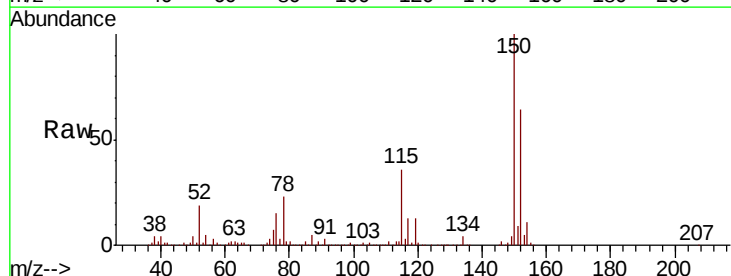
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.3  | 39.0  | 117.0 |
| 150     | 162.4 | 0.0   | 351.0 |

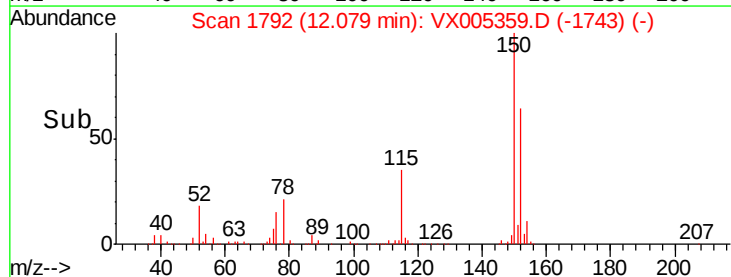
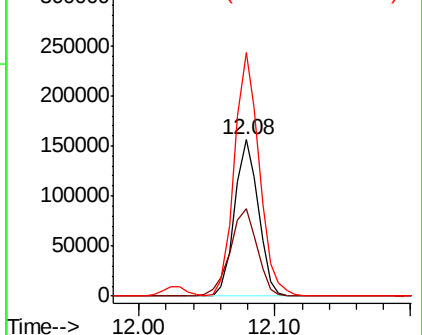


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.409 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 105 Resp: 230505

Ion Ratio Lower Upper

105 100

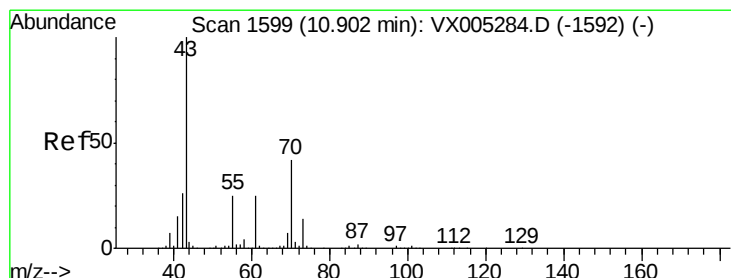
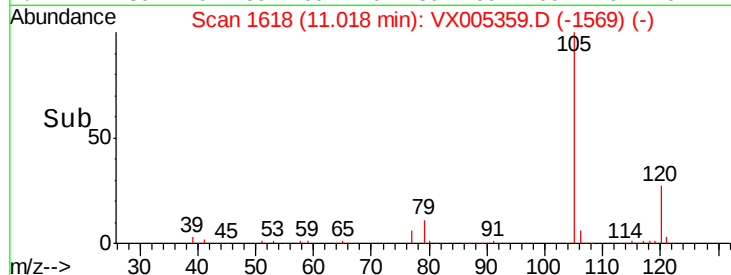
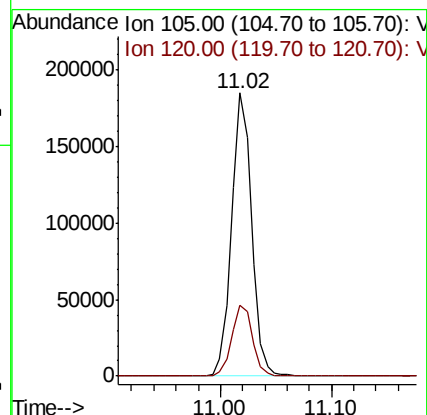
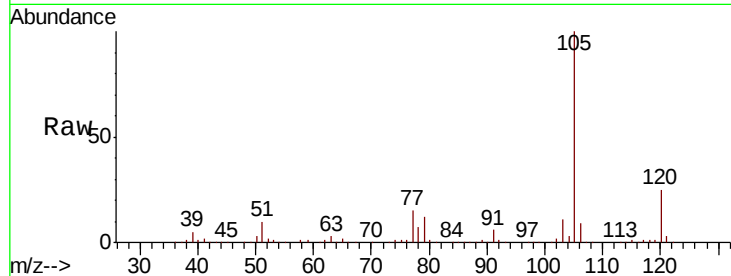
120 26.0 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.546 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Tgt Ion: 43 Resp: 101028

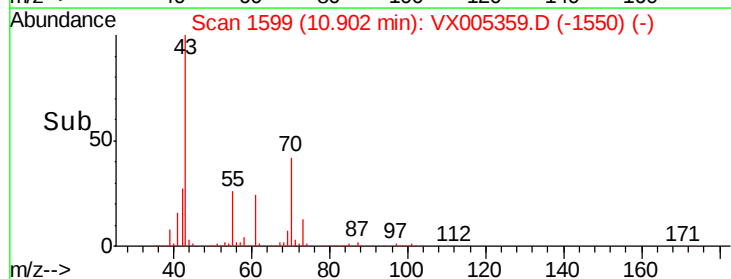
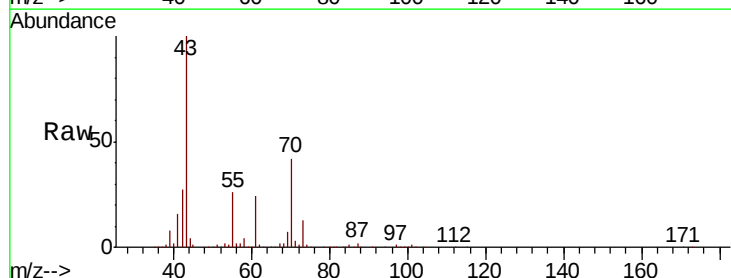
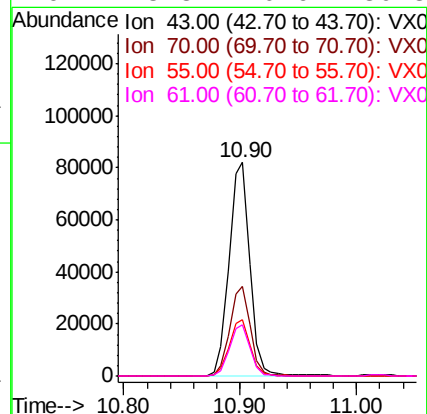
Ion Ratio Lower Upper

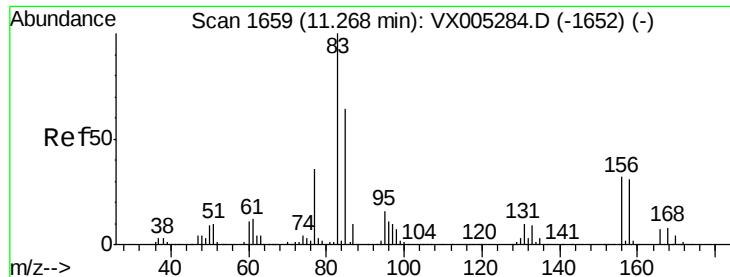
43 100

70 41.9 37.4 56.0

55 26.7 21.8 32.8

61 23.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.594 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

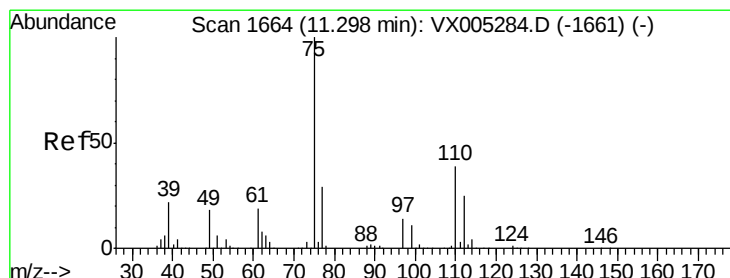
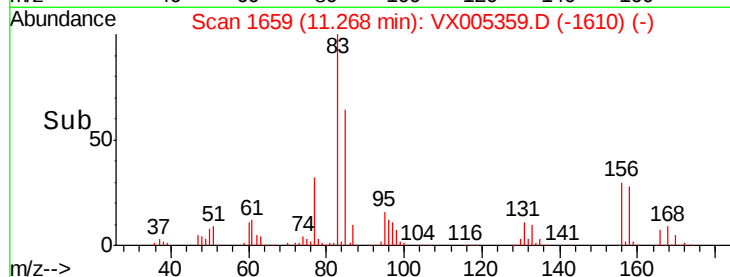
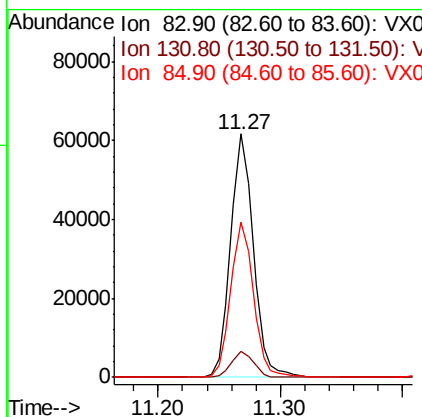
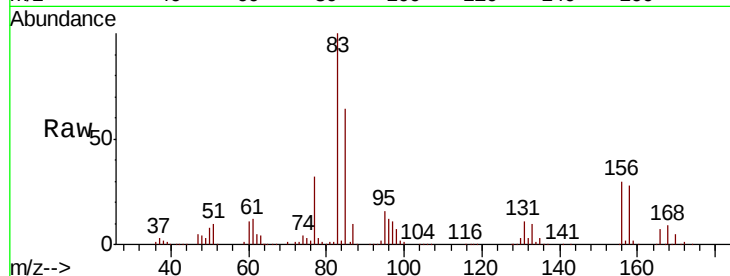
ClientSampleId :

VX1016WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 79220 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.6  | 5.2   | 15.6  |
| 85       | 63.8  | 32.3  | 96.8  |

Manual Integrations  
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#76

1,2,3-Trichloropropane

Concen: 20.213 ug/l m

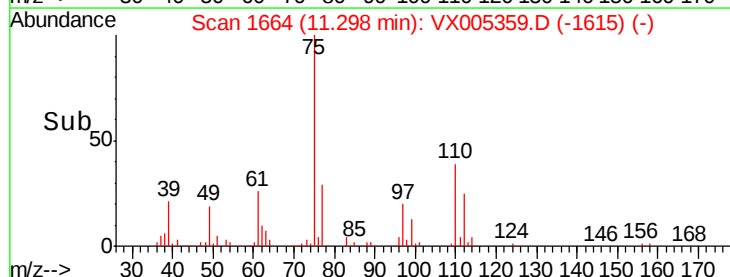
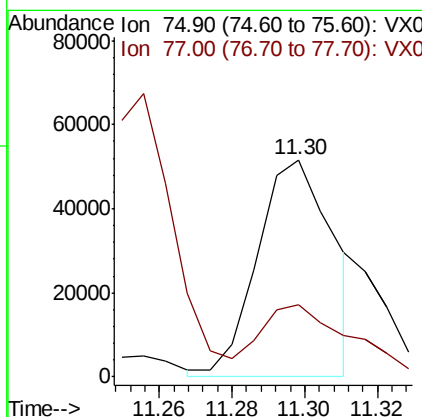
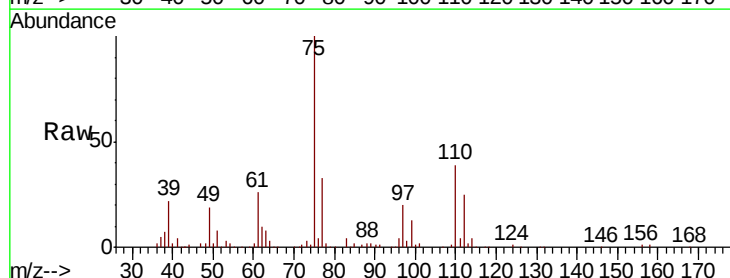
RT: 11.30 min Scan# 1664

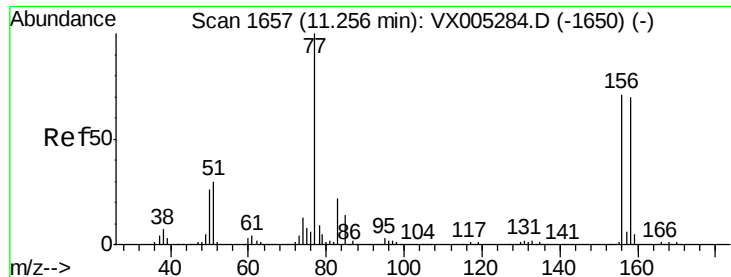
Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 74493 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 39.8  | 20.2  | 60.6  |





#77

Bromobenzene

Concen: 19.512 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion:156 Resp: 63012

Ion Ratio Lower Upper

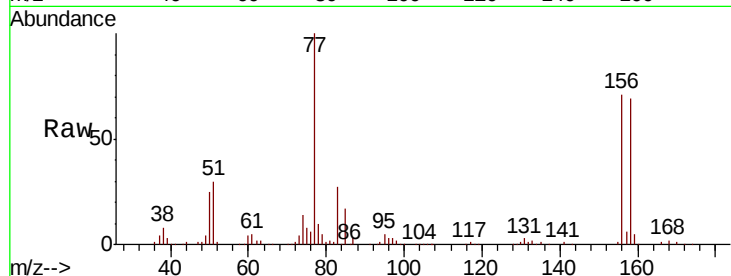
156 100

77 142.7 71.5 214.3

158 98.3 48.9 146.8

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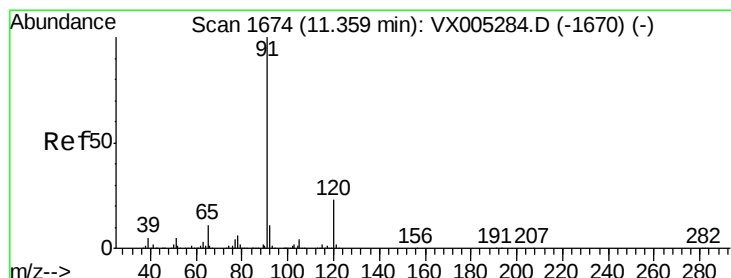
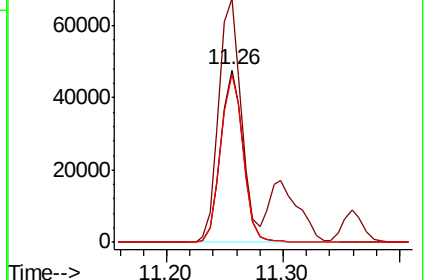
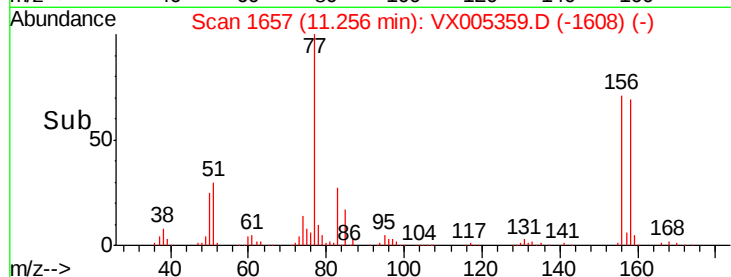
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.176 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005359.D

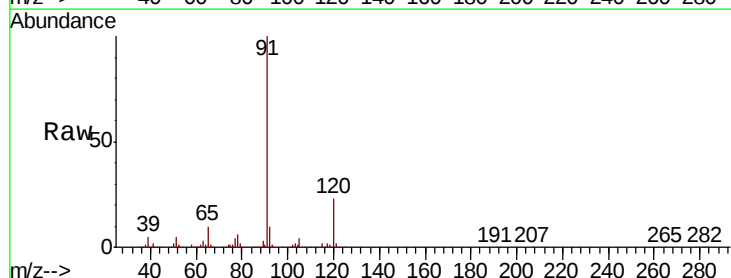
Acq: 16 Oct 2018 10:06

Tgt Ion: 91 Resp: 262229

Ion Ratio Lower Upper

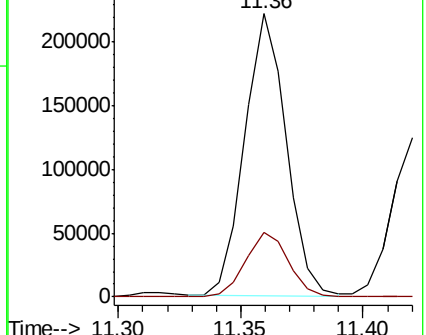
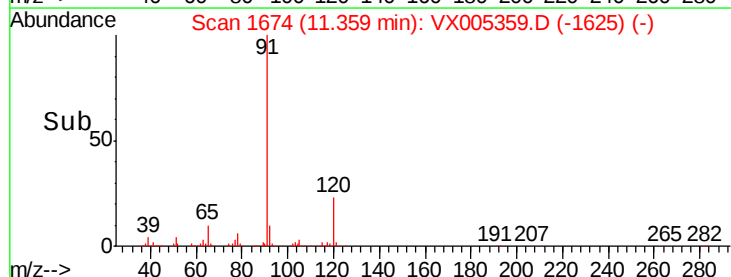
91 100

120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.897 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 91 Resp: 158378

Ion Ratio Lower Upper

91 100

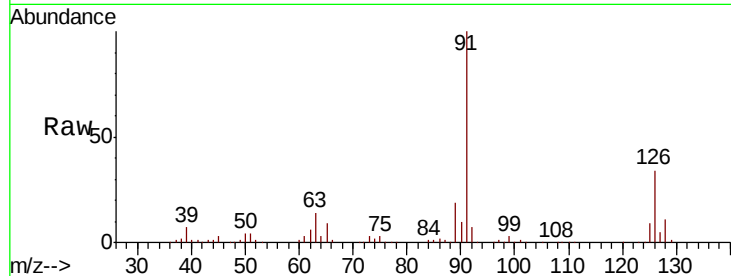
126 35.5 17.9 53.7

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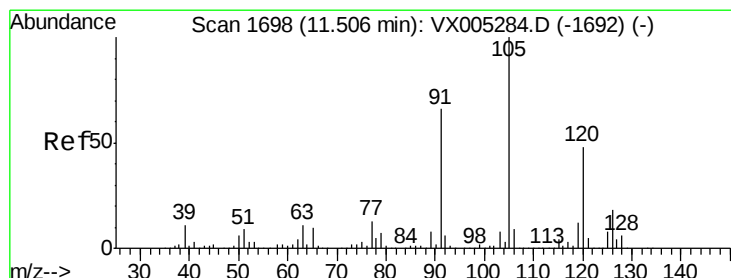
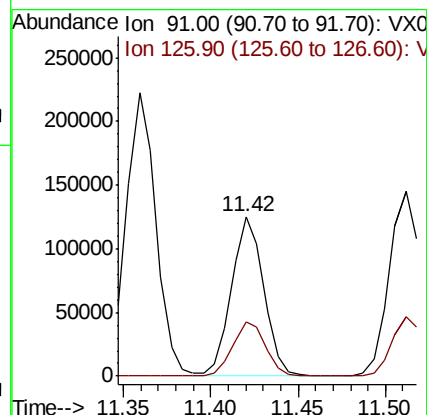
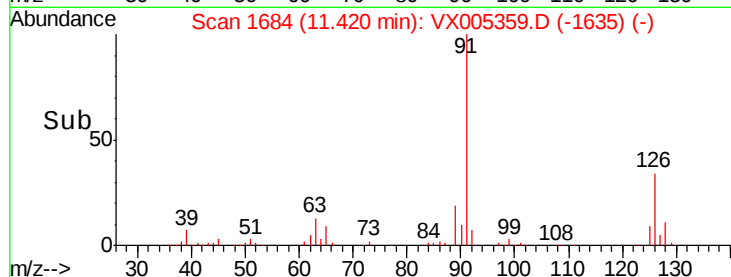
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.953 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005359.D

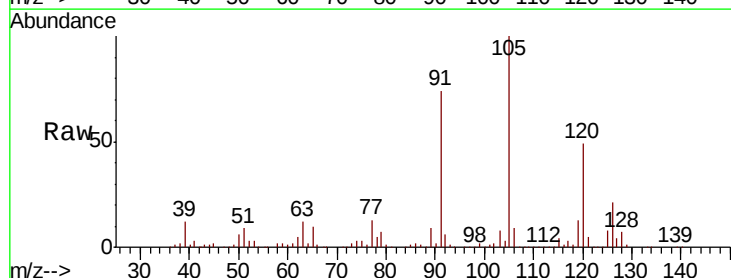
Acq: 16 Oct 2018 10:06

Tgt Ion:105 Resp: 192983

Ion Ratio Lower Upper

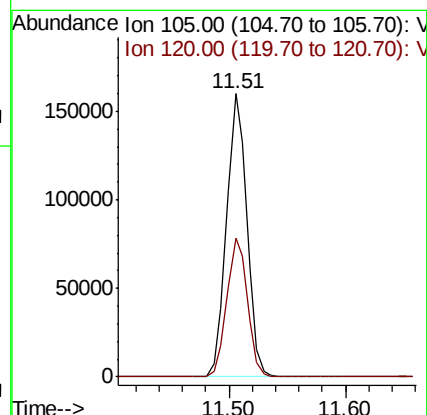
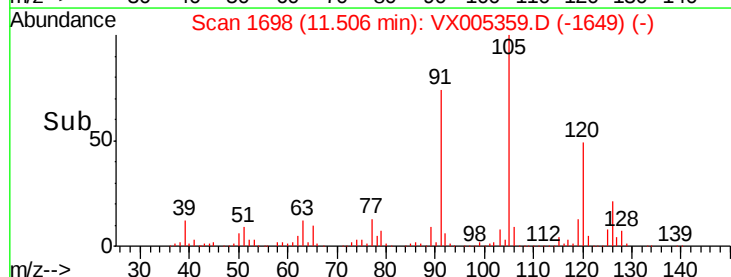
105 100

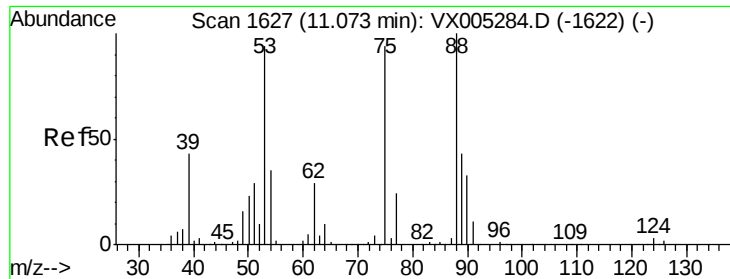
120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.997 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005359.D

Acq: 16 Oct 2018 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 75 Resp: 21828

Ion Ratio Lower Upper

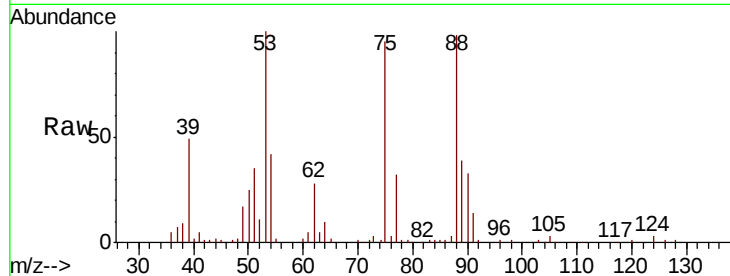
75 100

53 104.0 80.1 120.1

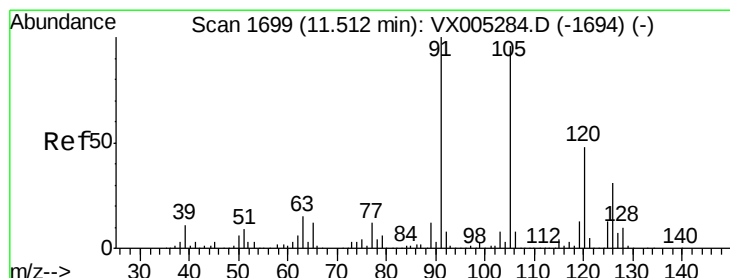
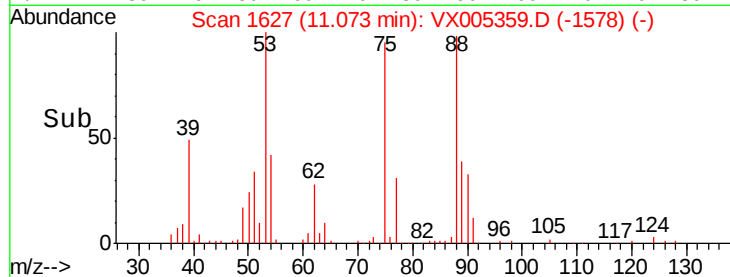
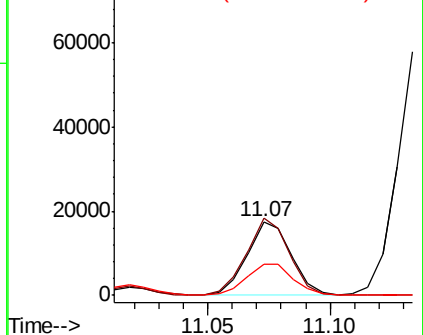
89 45.8 37.2 55.8

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Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 53.00 (52.70 to 53.70): VX0  
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.549 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005359.D

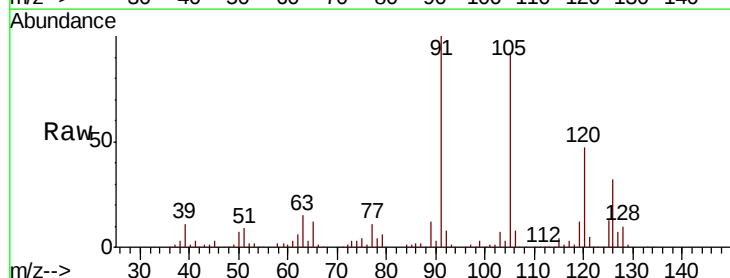
Acq: 16 Oct 2018 10:06

Tgt Ion: 91 Resp: 184462

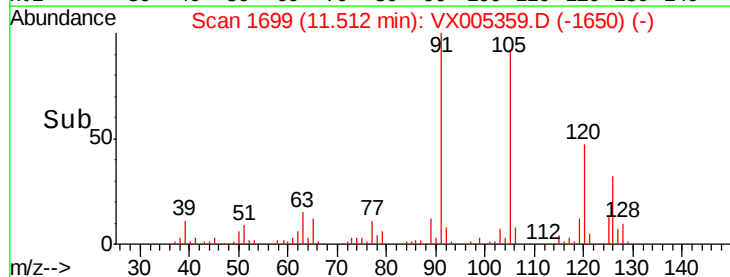
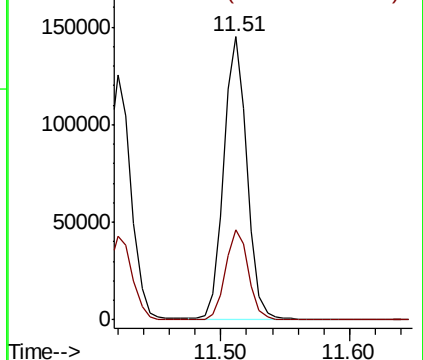
Ion Ratio Lower Upper

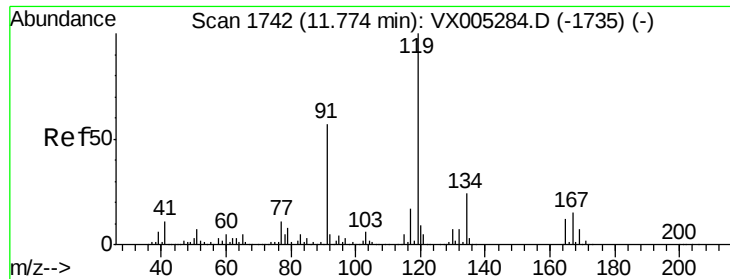
91 100

126 31.6 15.5 46.5



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





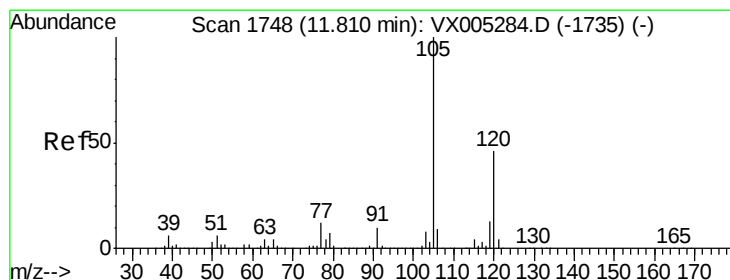
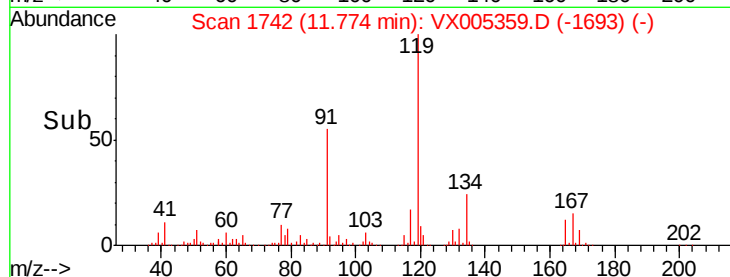
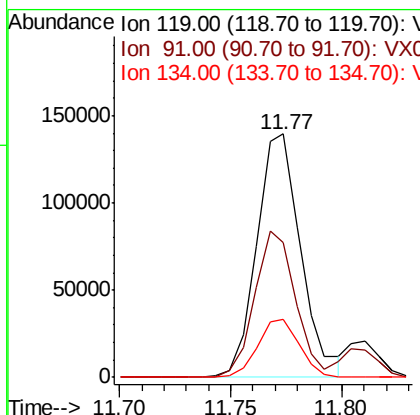
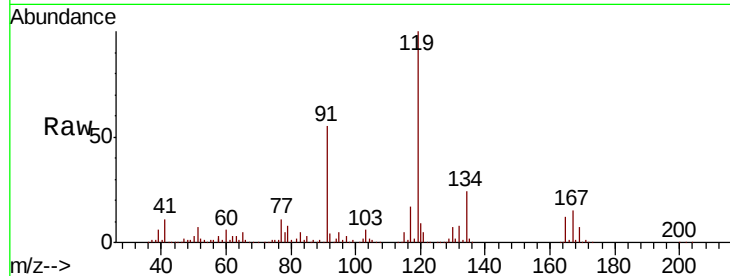
#83  
tert-Butylbenzene  
Concen: 19.582 ug/l  
RT: 11.77 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 191793 |       |       |
| 91      | 55.9  | 27.0   | 81.0  |       |
| 134     | 22.9  | 11.7   | 35.1  |       |

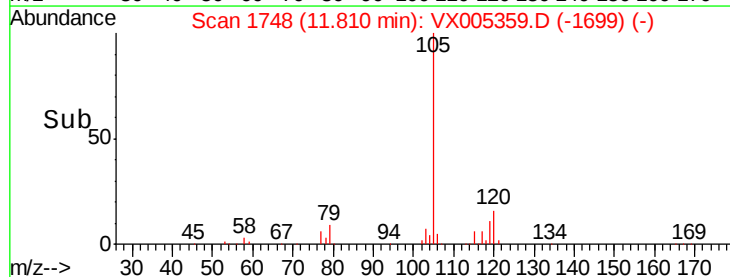
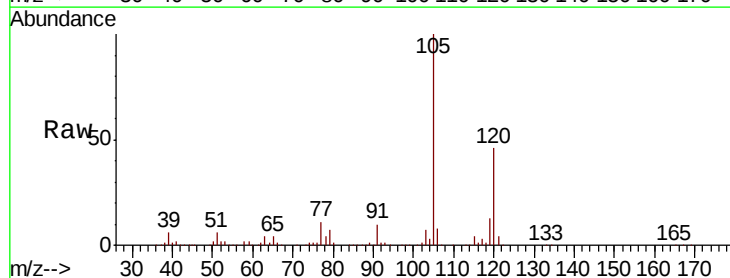
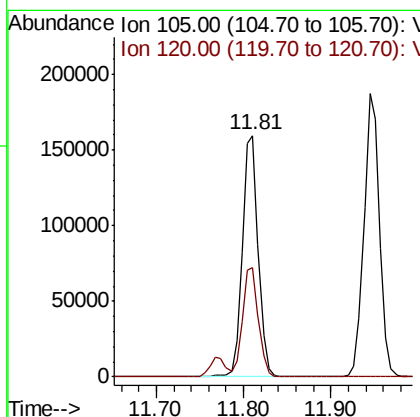
Manual Integrations  
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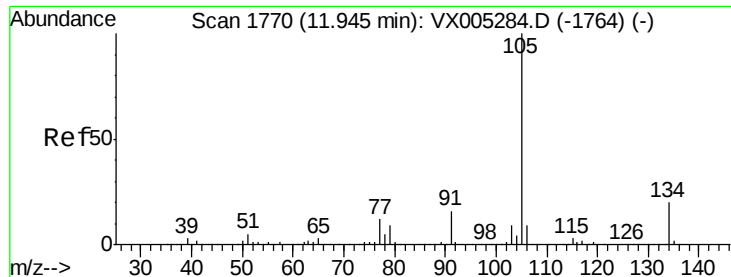
MMDadoda  
10/17/2018 9:34:26 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 20.294 ug/l  
RT: 11.81 min Scan# 1748  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 201998 |       |       |
| 120     | 45.0  | 23.2   | 69.6  |       |





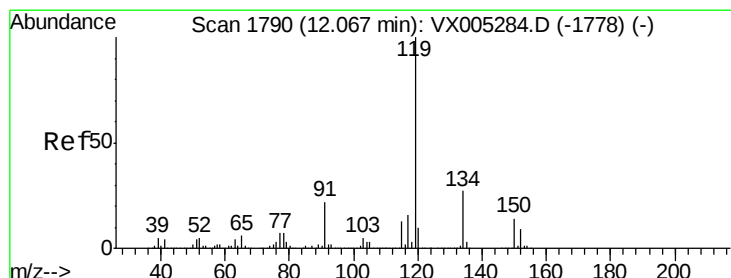
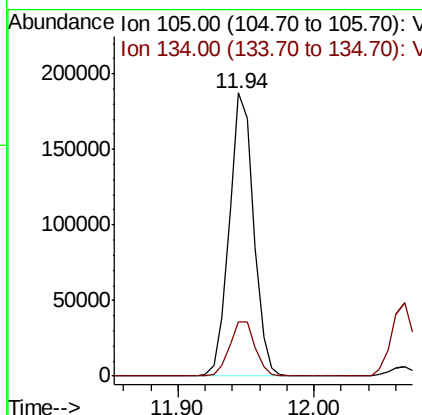
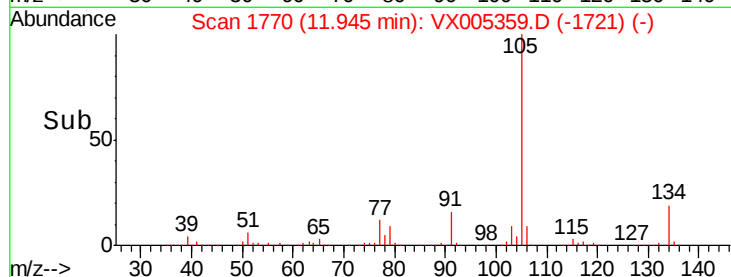
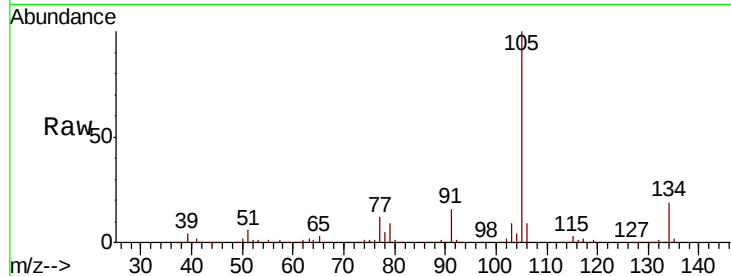
#85  
 sec-Butylbenzene  
 Concen: 20.026 ug/l  
 RT: 11.94 min Scan# 1770  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 20.4  | 10.5  | 31.5  |

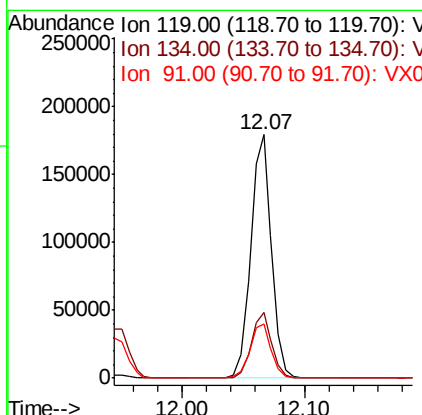
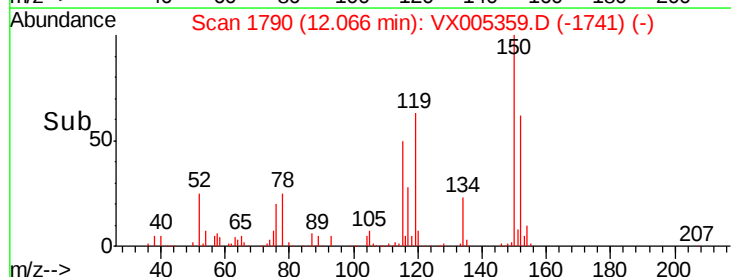
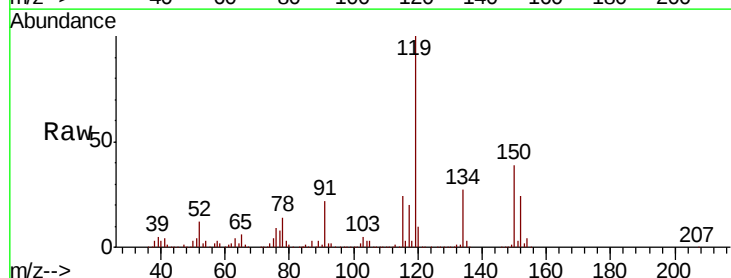
Manual Integrations  
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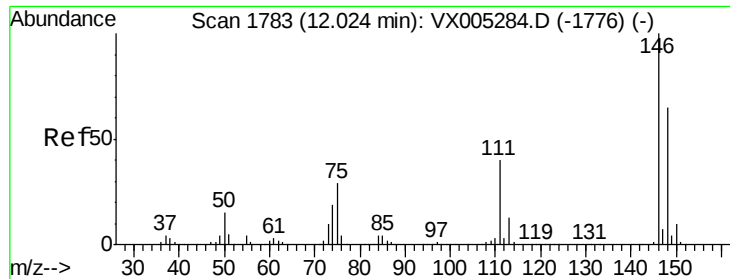
MMDadoda  
 10/17/2018 9:34:26 AM



#86  
 p-Isopropyltoluene  
 Concen: 20.096 ug/l  
 RT: 12.07 min Scan# 1790  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.5  | 13.4  | 40.2  |
| 91      | 23.0  | 10.9  | 32.7  |





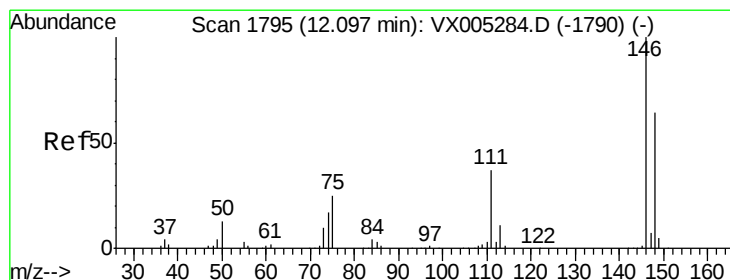
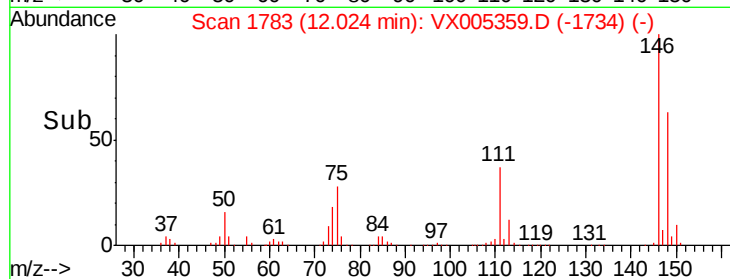
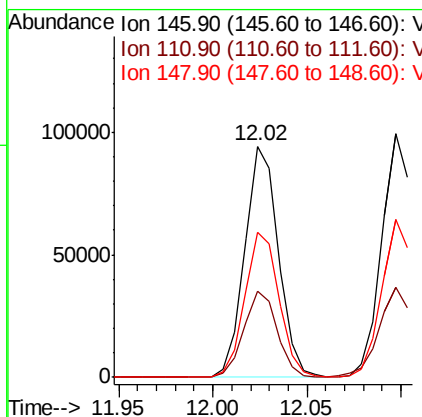
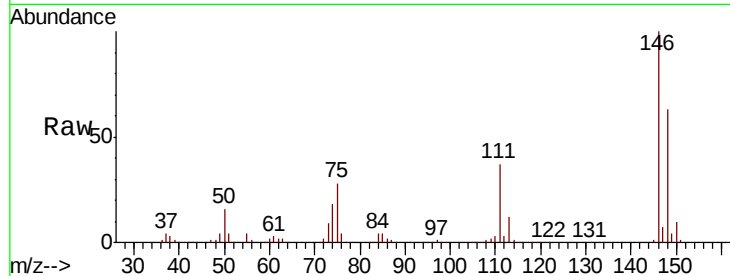
#87  
 1,3-Dichlorobenzene  
 Concen: 19.388 ug/l  
 RT: 12.02 min Scan# 1783  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.9  | 18.7  | 56.1  |
| 148     | 63.8  | 32.1  | 96.5  |

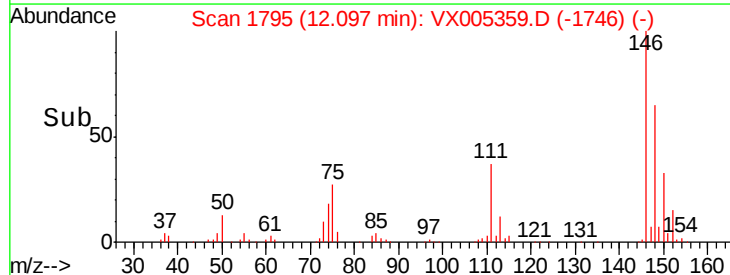
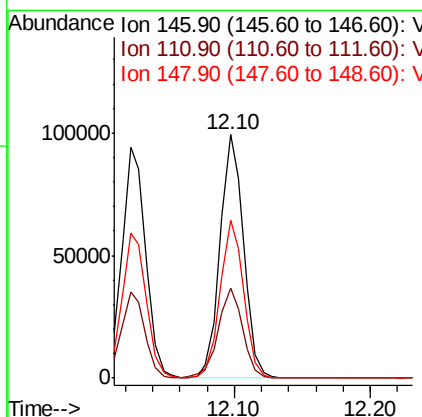
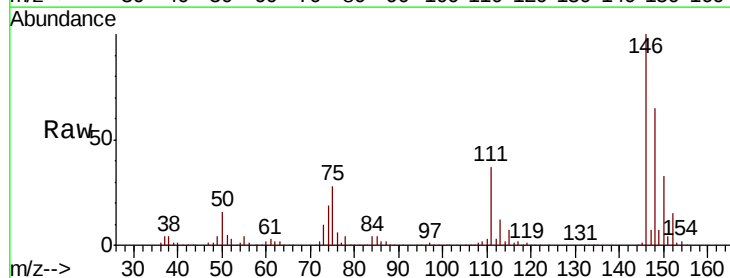
Manual Integrations  
 APPROVED

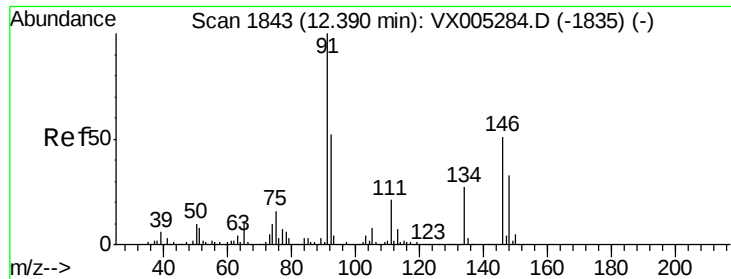
MMDadoda  
 10/17/2018 9:34:26 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.264 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.9  | 18.1  | 54.1  |
| 148     | 65.1  | 32.0  | 96.0  |





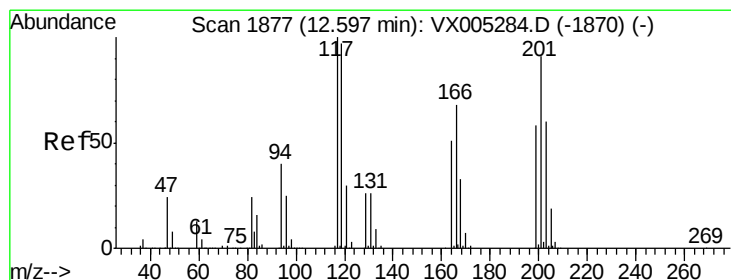
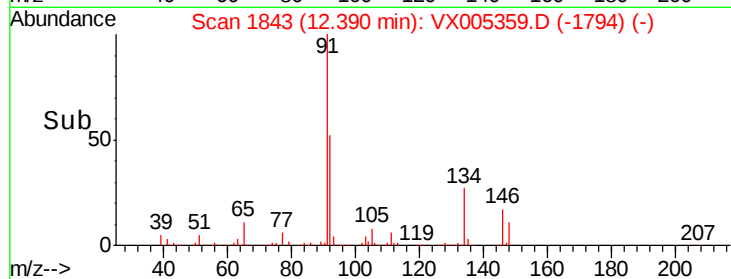
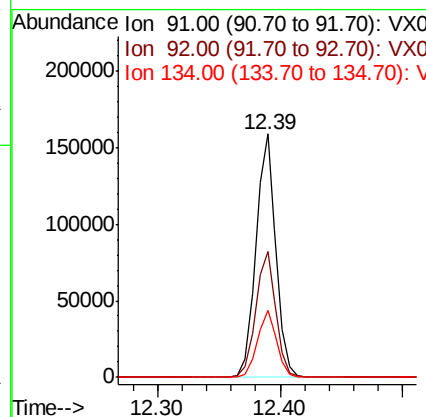
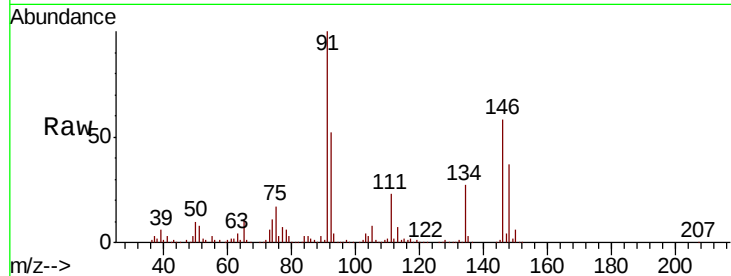
#89  
n-Butylbenzene  
Concen: 18.929 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 27.3  | 81.9  |
| 134     | 27.0  | 13.6  | 40.7  |

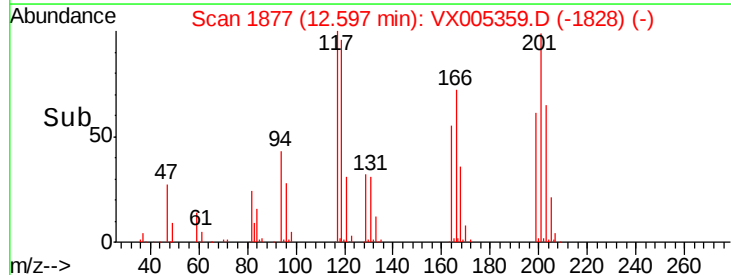
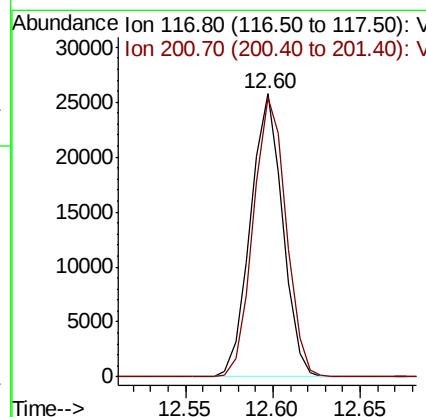
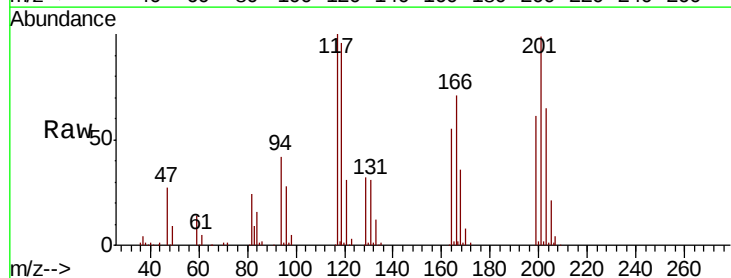
Manual Integrations  
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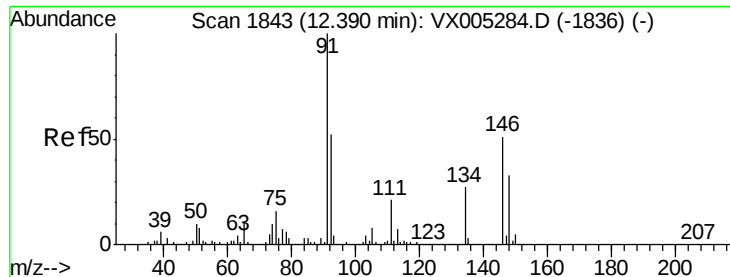
MMDadoda  
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#90  
Hexachloroethane  
Concen: 18.258 ug/l  
RT: 12.60 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 100.5 | 46.9  | 140.6 |





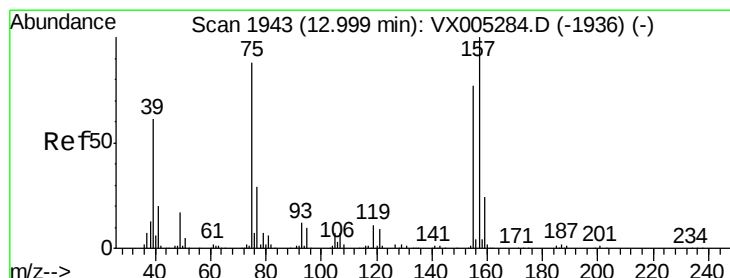
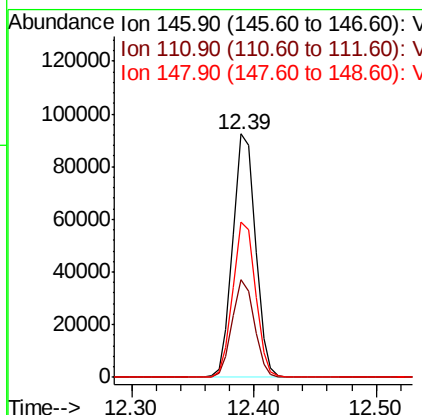
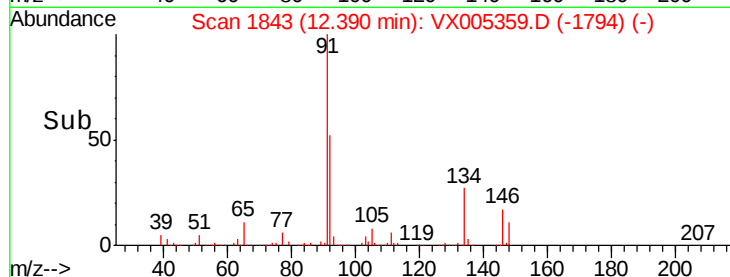
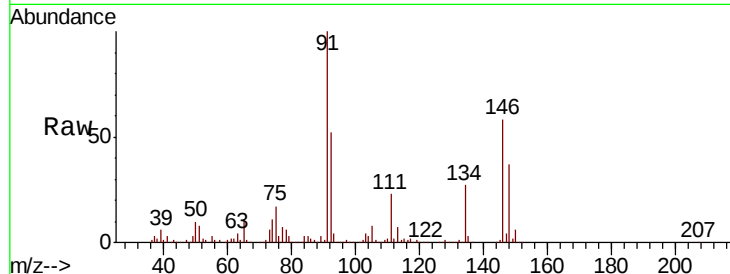
#91  
 1,2-Dichlorobenzene  
 Concen: 19.231 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 19.4  | 58.1  |
| 148     | 63.5  | 32.8  | 98.3  |

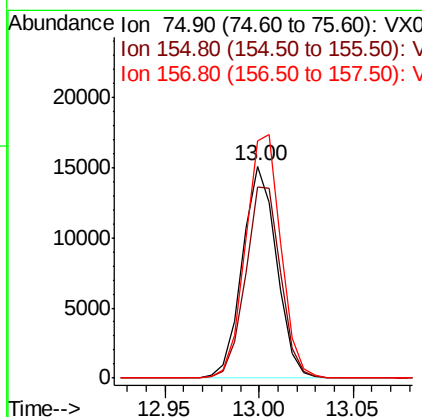
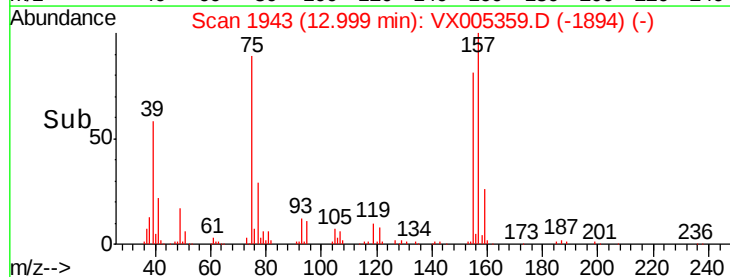
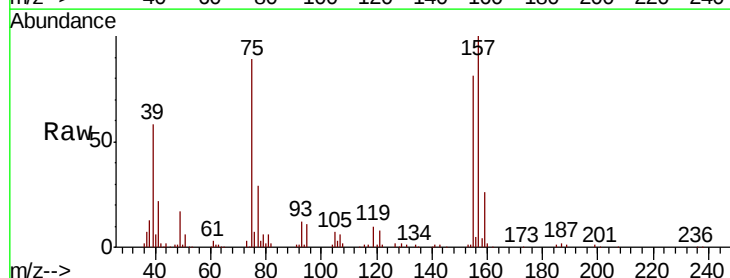
Manual Integrations  
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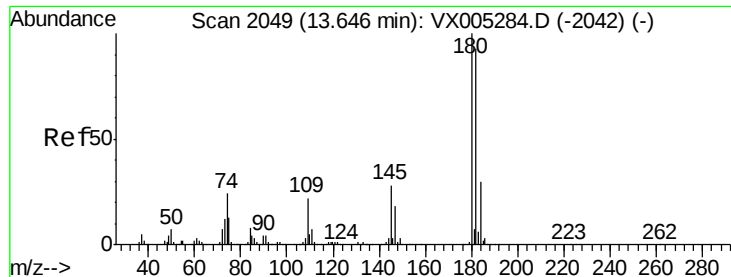
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.295 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 92.8  | 48.0  | 144.2 |
| 157     | 118.0 | 61.4  | 184.1 |





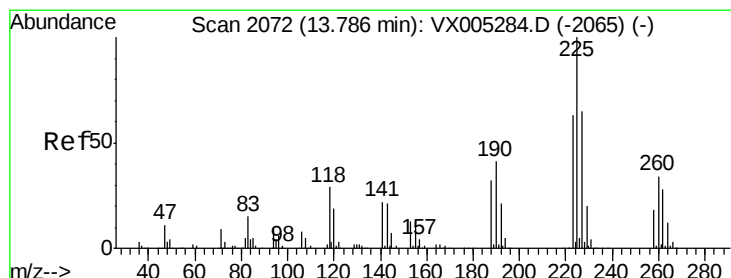
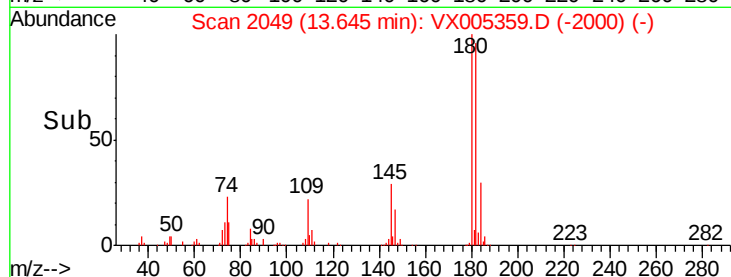
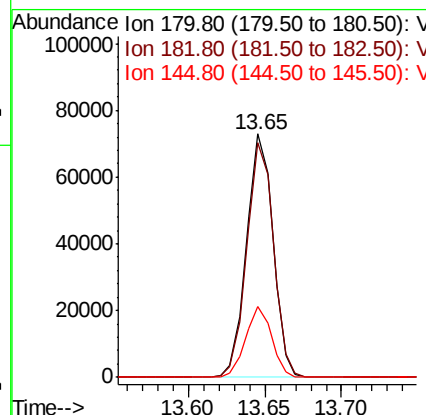
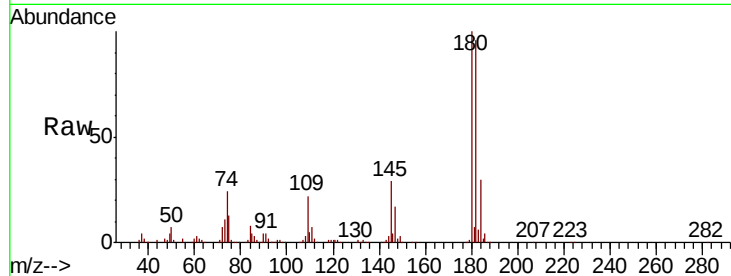
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.419 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1016WBSD01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 87735 |       |       |
| 182     | 97.0  |       | 48.4  | 145.0 |
| 145     | 28.5  |       | 14.3  | 42.9  |

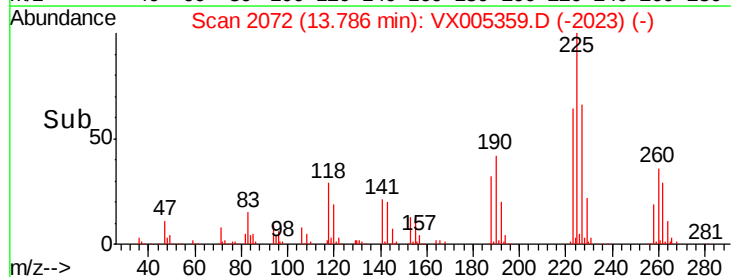
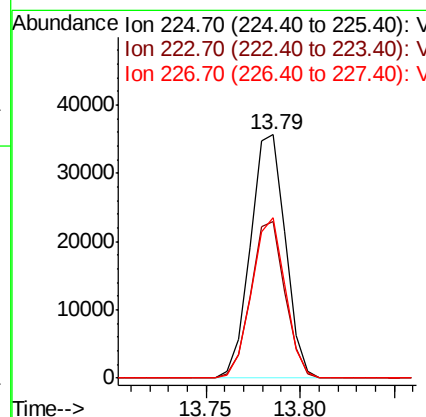
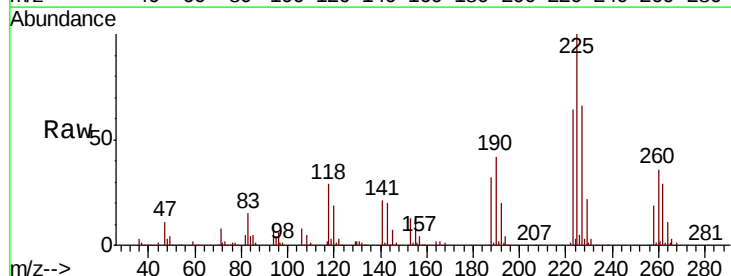
Manual Integrations  
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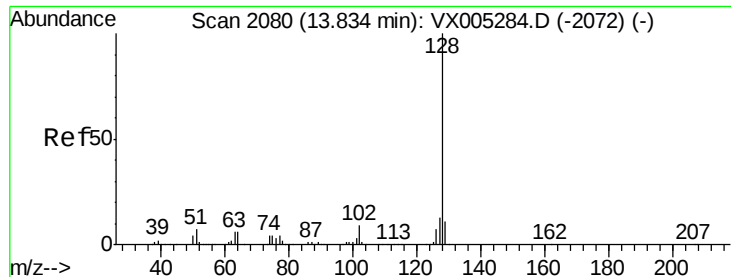
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 19.169 ug/l  
 RT: 13.79 min Scan# 2072  
 Delta R.T. -0.00 min  
 Lab File: VX005359.D  
 Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 45740 |       |       |
| 223     | 63.2  |       | 30.1  | 90.5  |
| 227     | 63.5  |       | 30.8  | 92.4  |





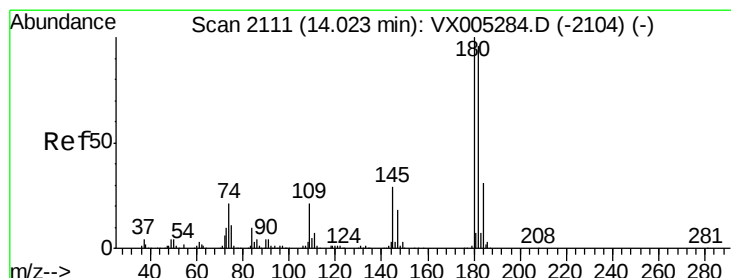
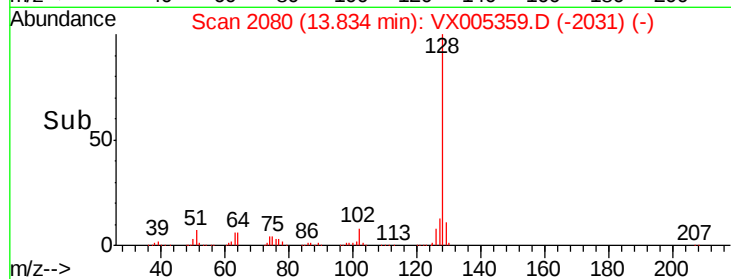
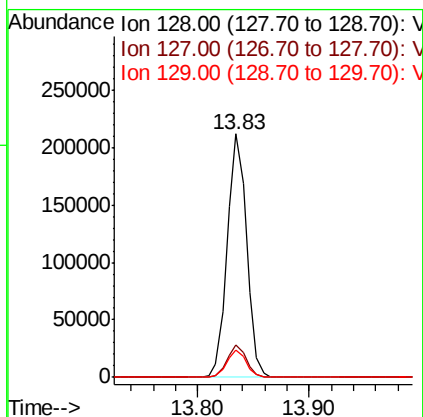
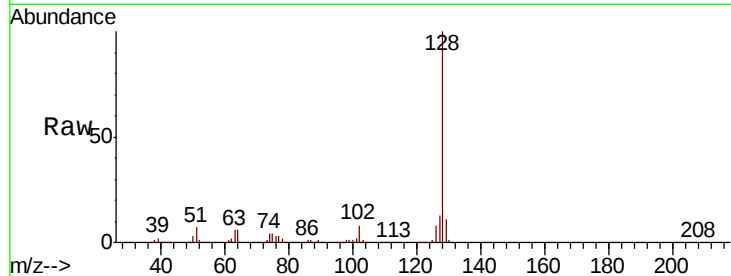
#95  
Naphthalene  
Concen: 19.487 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1016WBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.1  | 10.2  | 15.2  |
| 129     | 11.1  | 8.6   | 12.8  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.805 ug/l  
RT: 14.02 min Scan# 2111  
Delta R.T. -0.00 min  
Lab File: VX005359.D  
Acq: 16 Oct 2018 10:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 48.5  | 145.6 |
| 145     | 28.8  | 14.9  | 44.9  |

