

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\  
 Data File : VX003587.D  
 Acq On : 22 Jul 2018 06:47  
 Operator : JC/SP  
 Sample : J4028-02MS  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY030LC068-W-180716MS

Quant Time: Jul 23 03:51:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071918W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 19 17:09:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 273150   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 379765   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 357581   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 216801   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 163529   | 50.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.16% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 160235   | 55.40 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.80% |      |
| 50) Toluene-d8            | 8.72   | 98  | 559654   | 51.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.96% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 202531   | 51.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.10% |      |

## Target Compounds

|                               |      |     |         |        |        | Qvalue |
|-------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 109634  | 50.56  | ug/l   | 97     |
| 3) Chloromethane              | 1.32 | 50  | 148126  | 55.23  | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 165019  | 47.56  | ug/l   | 95     |
| 5) Bromomethane               | 1.64 | 94  | 75811   | 55.18  | ug/l   | 99     |
| 6) Chloroethane               | 1.73 | 64  | 108952  | 53.06  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 229039  | 49.47  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.19 | 74  | 100200  | 50.40  | ug/l   | 90     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 142112  | 46.90  | ug/l   | 98     |
| 10) Methyl Iodide             | 2.51 | 142 | 203744  | 55.97  | ug/l   | 92     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 142961  | 223.44 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 140112  | 50.22  | ug/l   | 84     |
| 13) Acrolein                  | 2.30 | 56  | 56928   | 196.93 | ug/l   | 97     |
| 14) Allyl chloride            | 2.73 | 41  | 249021  | 50.42  | ug/l # | 85     |
| 15) Acrylonitrile             | 3.15 | 53  | 393368  | 241.49 | ug/l   | 98     |
| 16) Acetone                   | 2.45 | 43  | 320740  | 262.62 | ug/l # | 88     |
| 17) Carbon Disulfide          | 2.57 | 76  | 372199  | 49.33  | ug/l   | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 179899  | 46.72  | ug/l   | 92     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 483731  | 53.10  | ug/l   | 96     |
| 20) Methylene Chloride        | 2.86 | 84  | 157335  | 52.73  | ug/l   | 91     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 154206  | 49.68  | ug/l   | 92     |
| 22) Diisopropyl ether         | 3.87 | 45  | 518657  | 55.81  | ug/l # | 90     |
| 23) Vinyl Acetate             | 3.82 | 43  | 1867785 | 244.00 | ug/l   | 95     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 308839  | 56.64  | ug/l   | 98     |
| 25) 2-Butanone                | 4.71 | 43  | 531473  | 259.36 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 127975  | 30.90  | ug/l   | 90     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 182394  | 52.77  | ug/l   | 90     |
| 28) Bromochloromethane        | 5.02 | 49  | 130266  | 54.66  | ug/l # | 82     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 358870  | 265.11 | ug/l   | 91     |
| 30) Chloroform                | 5.22 | 83  | 303042  | 56.92  | ug/l   | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 245821  | 50.46  | ug/l   | 90     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 248477  | 54.50  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 199959  | 48.77  | ug/l   | 98     |
| 37) Ethyl Acetate             | 4.86 | 43  | 201335  | 51.89  | ug/l   | 95     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 208836  | 51.93  | ug/l   | 97     |

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 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY030LC068-W-180716MS

Quant Time: Jul 23 03:51:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071918W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 19 17:09:44 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 228802   | 47.11  | ug/l   | 98       |
| 40) Benzene                    | 6.15  | 78   | 618247   | 49.94  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 123921   | 54.34  | ug/l # | 89       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 199013   | 51.02  | ug/l   | 94       |
| 43) Isopropyl Acetate          | 6.47  | 43   | 286637   | 46.44  | ug/l # | 93       |
| 44) Trichloroethene            | 7.21  | 130  | 187018   | 50.66  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 159023   | 50.59  | ug/l   | 100      |
| 46) Dibromomethane             | 7.67  | 93   | 106237   | 52.50  | ug/l   | 94       |
| 47) Bromodichloromethane       | 7.90  | 83   | 197908   | 53.42  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.78  | 41   | 154899   | 49.77  | ug/l # | 82       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 59184    | 839.23 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 978997   | 251.08 | ug/l   | 91       |
| 52) Toluene                    | 8.79  | 92   | 395584   | 50.77  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 217559   | 47.71  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.04  | 75   | 198776   | 48.47  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 159898   | 51.57  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 228377   | 52.29  | ug/l # | 80       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 256850   | 51.24  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.26  | 63   | 439      | 0.21   | ug/l # | 48       |
| 59) 2-Hexanone                 | 9.50  | 43   | 721135   | 249.62 | ug/l   | 87       |
| 60) Dibromochloromethane       | 9.59  | 129  | 168154   | 54.79  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 165857   | 51.60  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 213888   | 49.09  | ug/l   | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 451414   | 49.00  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 165975   | 52.36  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 744929   | 50.29  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 588794   | 101.39 | ug/l   | 95       |
| 69) o-Xylene                   | 10.70 | 106  | 286226   | 50.97  | ug/l   | 95       |
| 70) Styrene                    | 10.71 | 104  | 483776   | 52.37  | ug/l   | 96       |
| 71) Bromoform                  | 10.86 | 173  | 132457   | 53.78  | ug/l   | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 761259   | 50.77  | ug/l   | 99       |
| 74) N-amyl acetate             | 6.47  | 43   | 286637   | 45.02  | ug/l # | 92       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 219490   | 49.95  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 243797   | 62.60  | ug/l   | 80       |
| 77) Bromobenzene               | 11.26 | 156  | 214812   | 49.81  | ug/l   | 95       |
| 78) n-propylbenzene            | 11.36 | 91   | 842075   | 50.52  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 507135   | 50.12  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 631635   | 51.26  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 53566    | 39.58  | ug/l   | 87       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 587200   | 49.53  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 618459   | 51.25  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 647329   | 51.63  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 736639   | 50.26  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 662914   | 50.39  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 383733   | 48.41  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 386615   | 47.34  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 530572   | 47.50  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 96779    | 51.75  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 389885   | 49.90  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 42882    | 50.15  | ug/l   | 84       |

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Sample : J4028-02MS  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 47 Sample Multiplier: 1

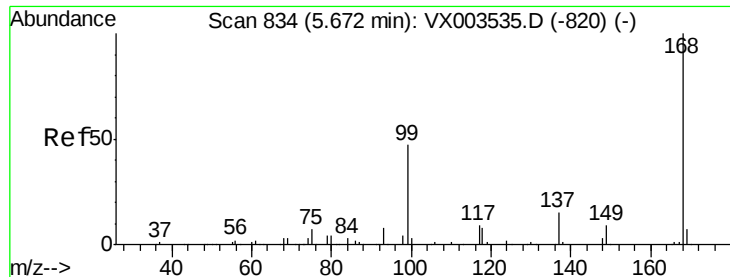
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

Quant Time: Jul 23 03:51:34 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071918W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 19 17:09:44 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 272398   | 47.57 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 126538   | 45.95 | ug/l  | 100      |
| 95) Naphthalene            | 13.83 | 128  | 779274   | 51.79 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 281283   | 49.62 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

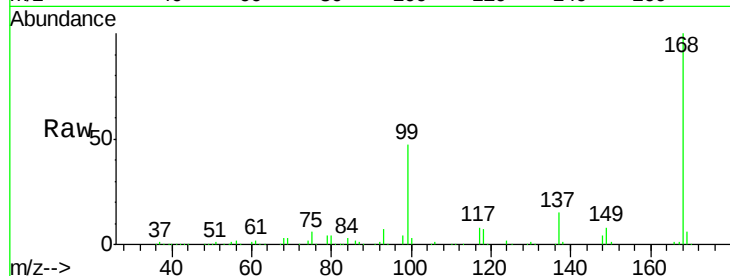
KY030LC068-W-180716MS

Tot Ion:168 Resp: 273150

Ion Ratio Lower Upper

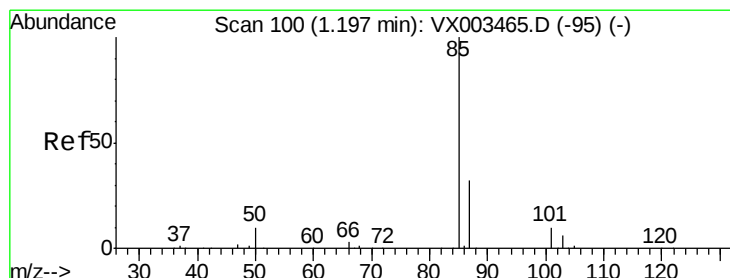
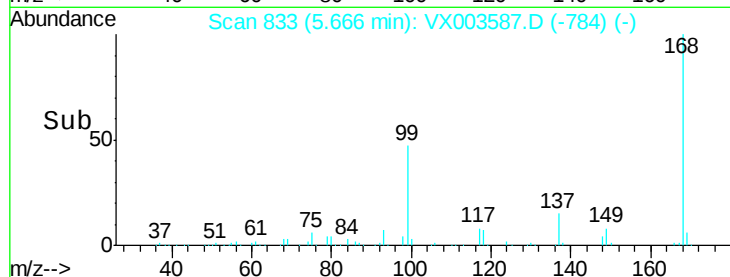
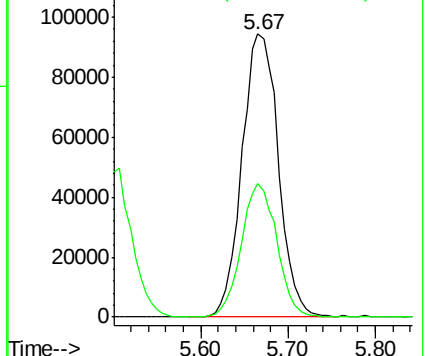
168 100

99 46.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 50.56 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003587.D

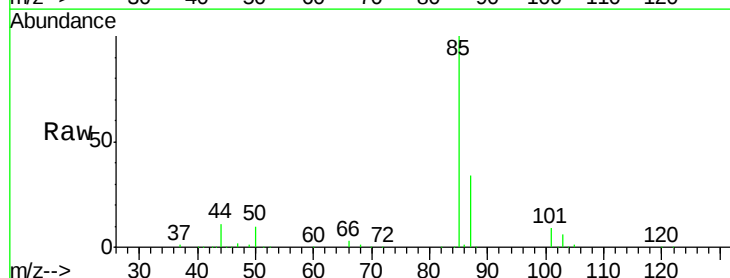
Acq: 22 Jul 2018 06:47

Tgt Ion: 85 Resp: 109634

Ion Ratio Lower Upper

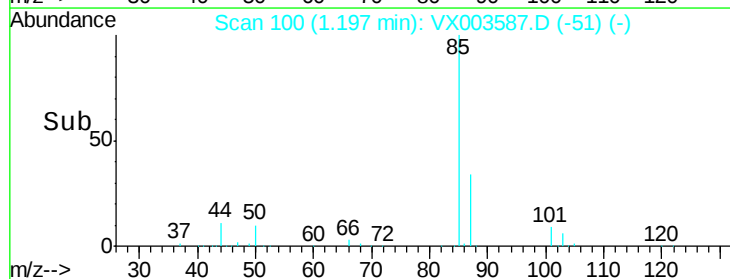
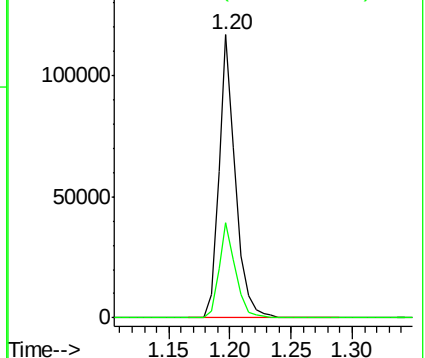
85 100

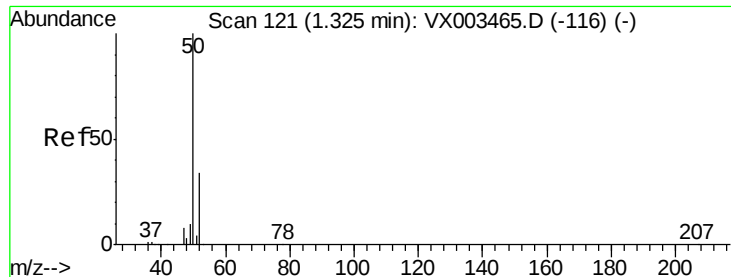
87 33.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 55.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

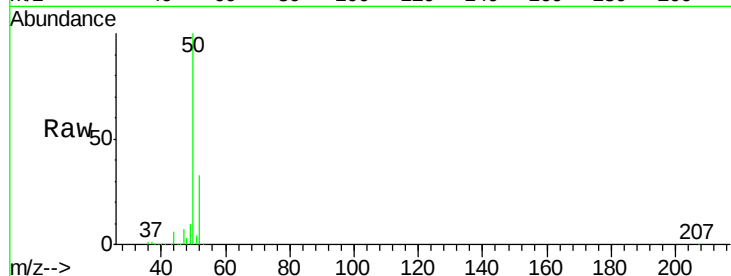
KY030LC068-W-180716MS

Tot Ion: 50 Resp: 148126

Ion Ratio Lower Upper

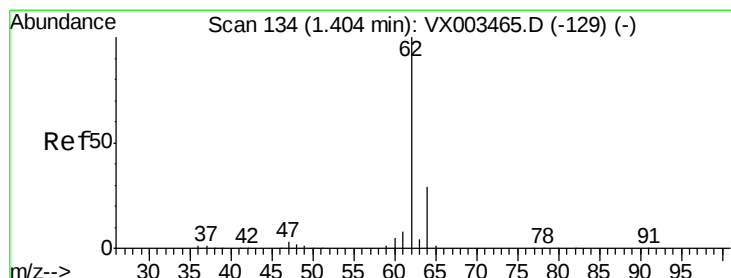
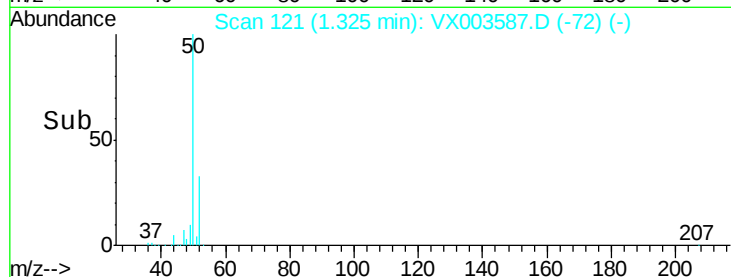
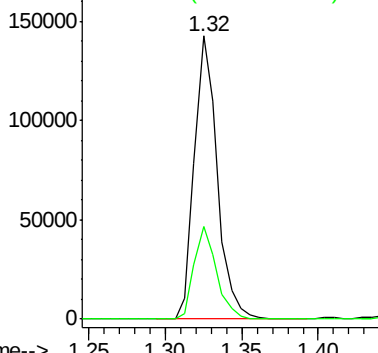
50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003587.D

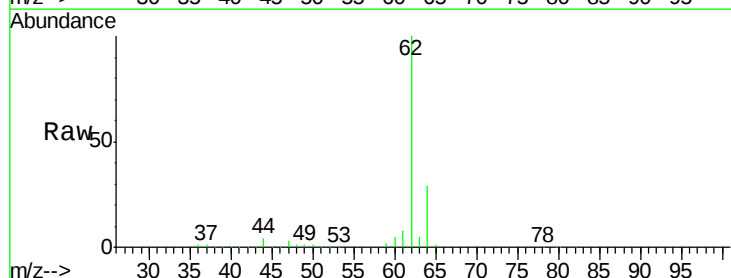
Acq: 22 Jul 2018 06:47

Tgt Ion: 62 Resp: 165019

Ion Ratio Lower Upper

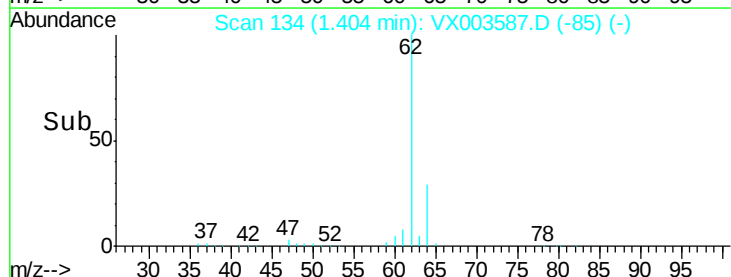
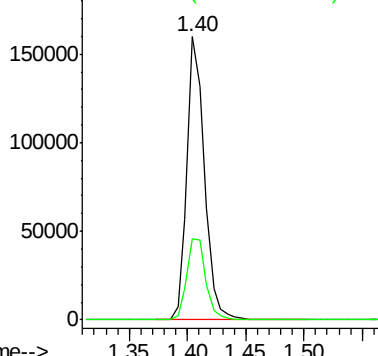
62 100

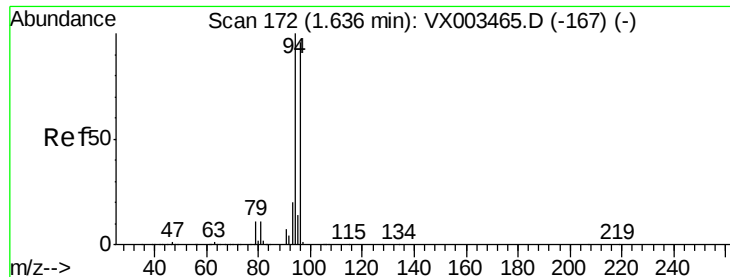
64 28.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 55.18 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

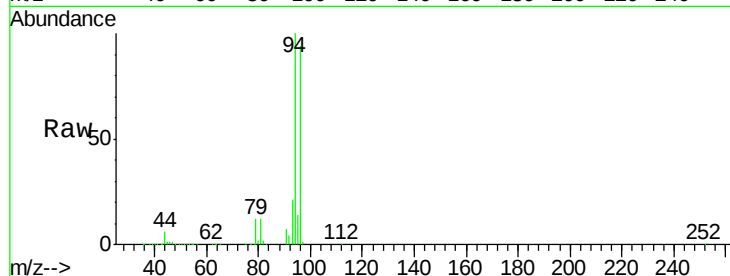
KY030LC068-W-180716MS

Tot Ion: 94 Resp: 75811

Ion Ratio Lower Upper

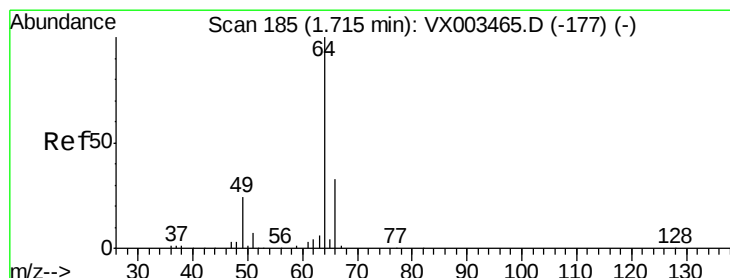
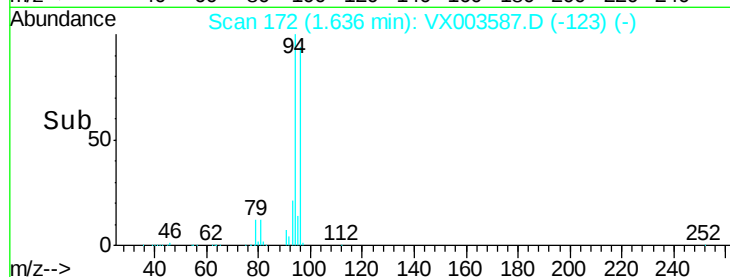
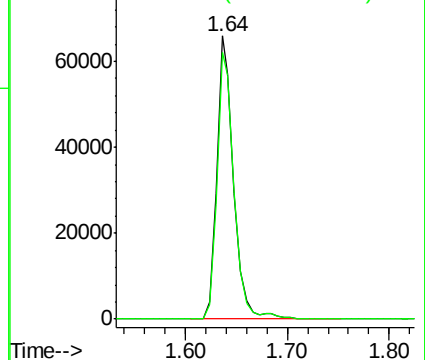
94 100

96 94.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 53.06 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003587.D

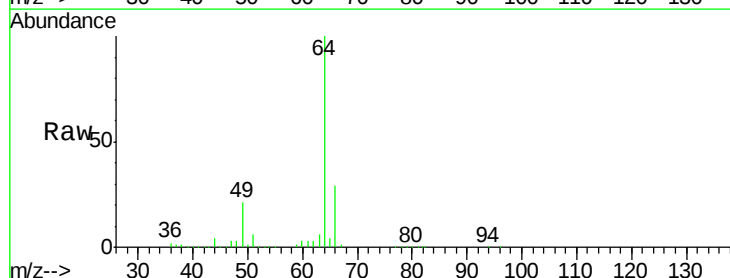
Acq: 22 Jul 2018 06:47

Tgt Ion: 64 Resp: 108952

Ion Ratio Lower Upper

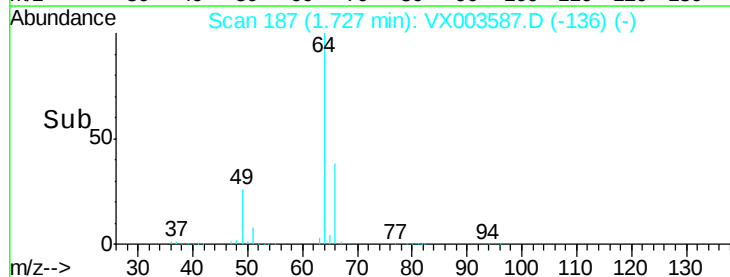
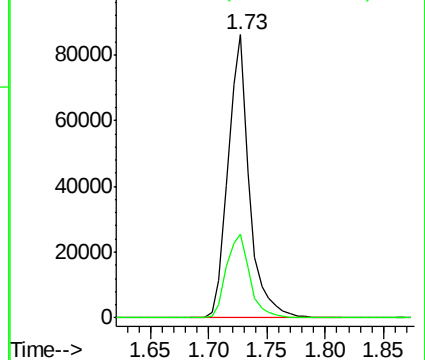
64 100

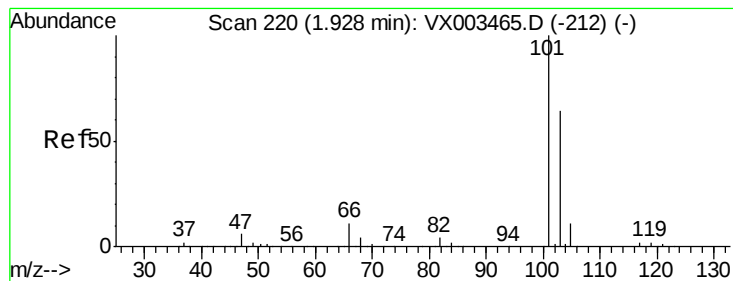
66 29.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



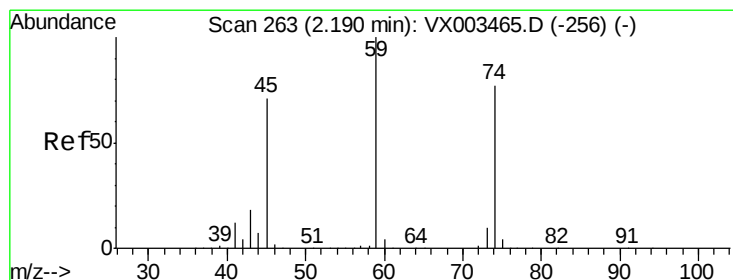
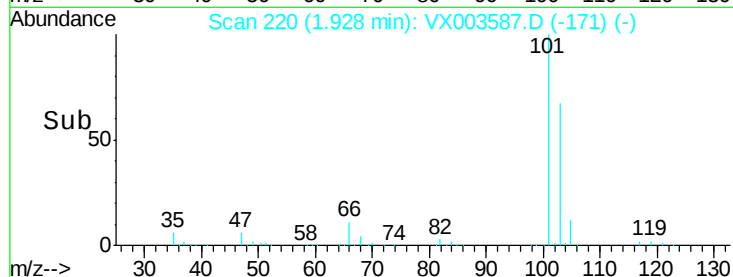
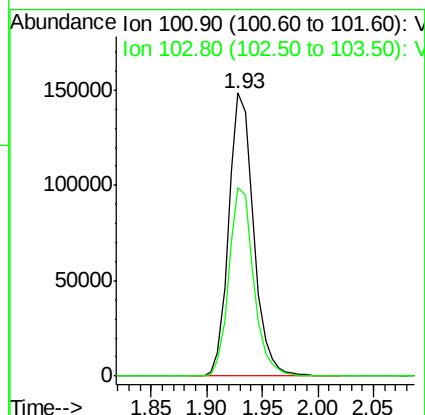
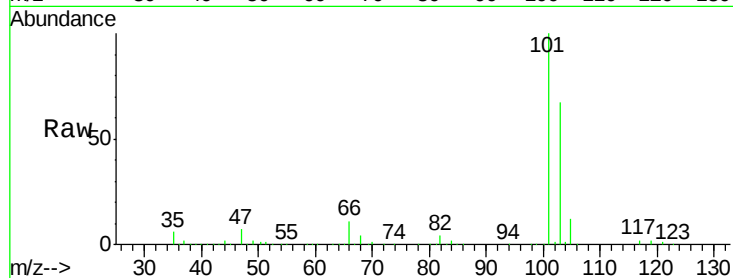


#7

Trichlorofluoromethane  
 Concen: 49.47 ug/l  
 RT: 1.93 min Scan# 220  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY030LC068-W-180716MS

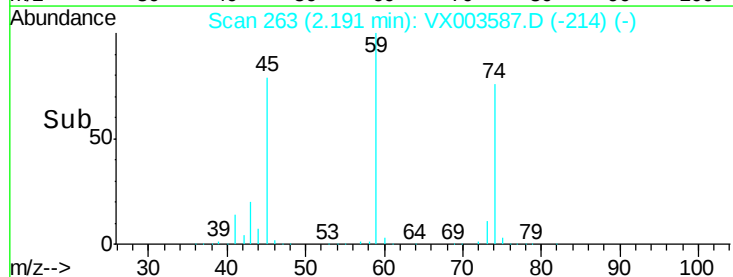
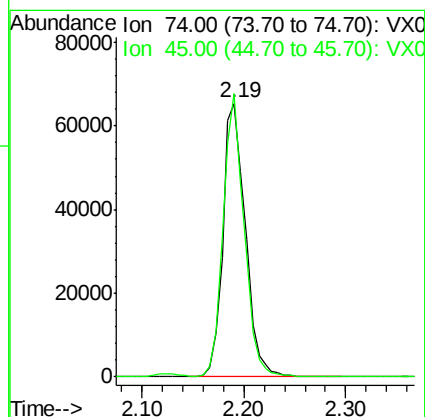
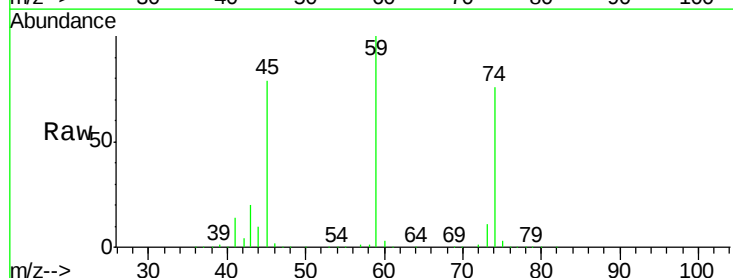
Tot Ion:101 Resp: 229039  
 Ion Ratio Lower Upper  
 101 100  
 103 66.9 52.8 79.2

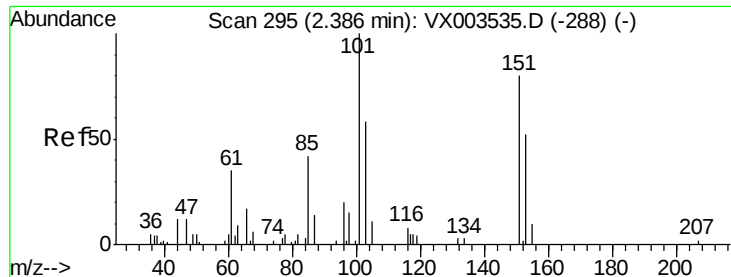


#8

Diethyl Ether  
 Concen: 50.40 ug/l  
 RT: 2.19 min Scan# 263  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Tgt Ion: 74 Resp: 100200  
 Ion Ratio Lower Upper  
 74 100  
 45 96.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.90 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

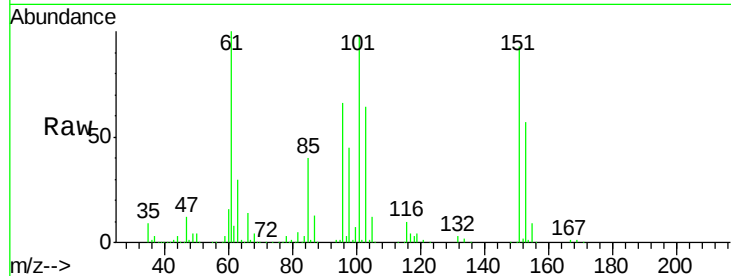
Tot Ion:101 Resp: 142112

Ion Ratio Lower Upper

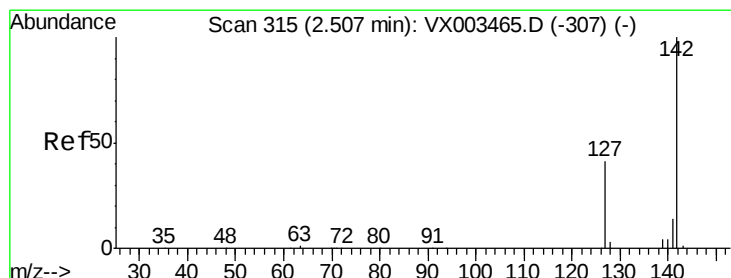
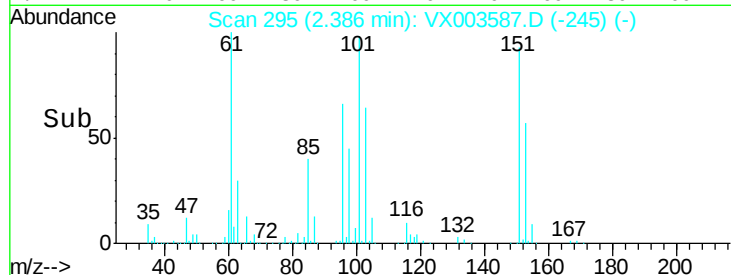
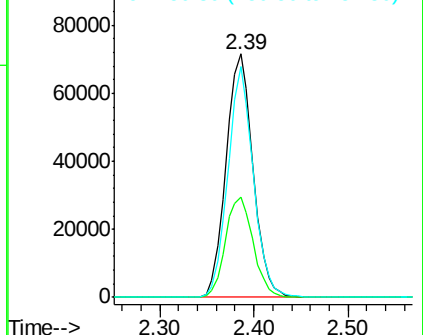
101 100

85 42.2 36.0 54.0

151 89.5 70.9 106.3



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



#10

Methyl Iodide

Concen: 55.97 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

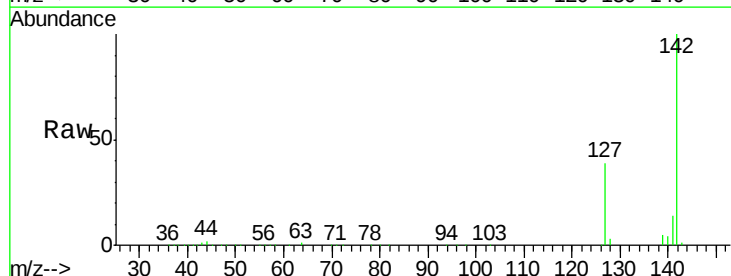
Tgt Ion:142 Resp: 203744

Ion Ratio Lower Upper

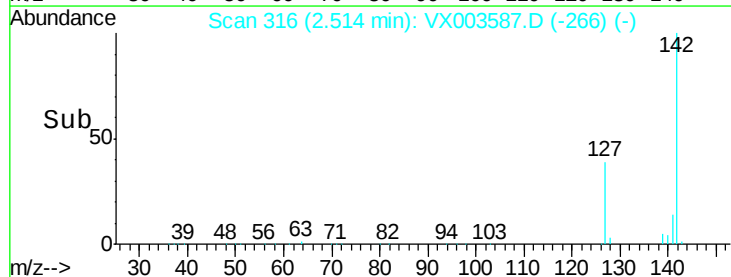
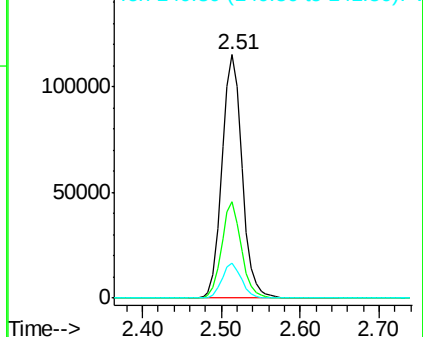
142 100

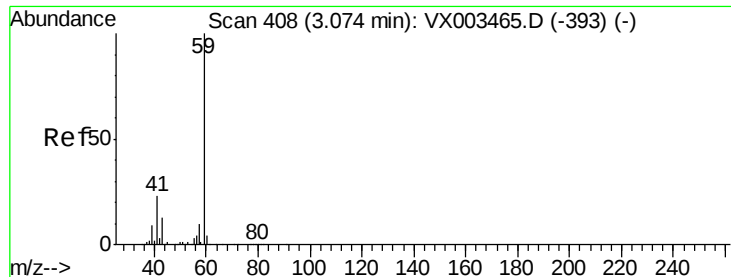
127 38.7 36.6 55.0

141 14.0 11.3 16.9



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



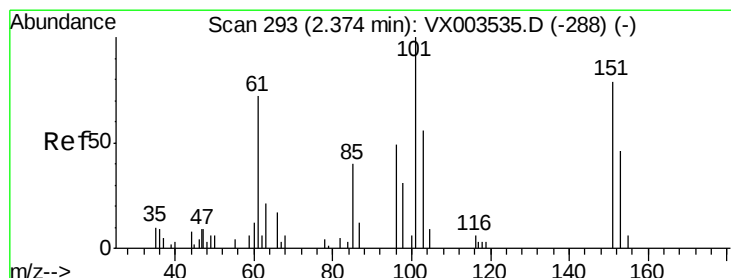
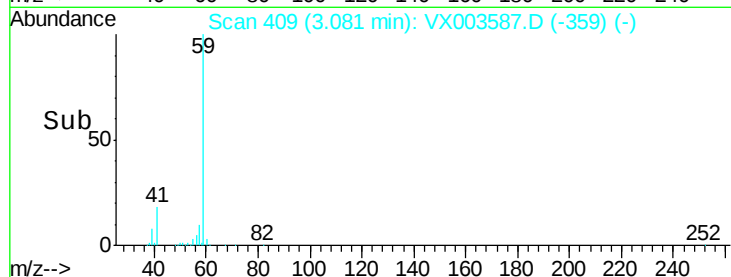
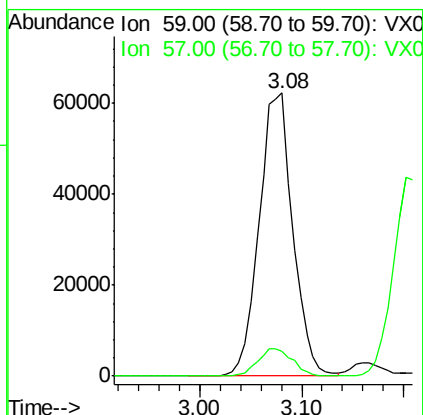
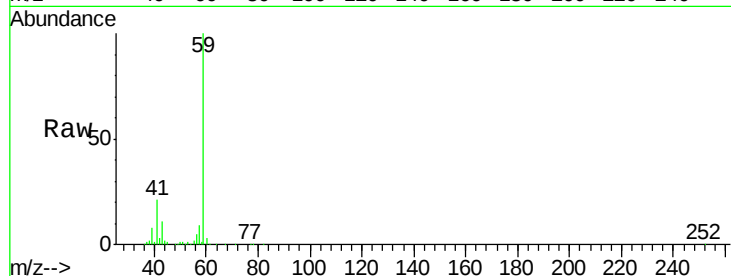


#11

Tert butyl alcohol  
 Concen: 223.44 ug/l  
 RT: 3.08 min Scan# 409  
 Delta R.T. 0.01 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY030LC068-W-180716MS

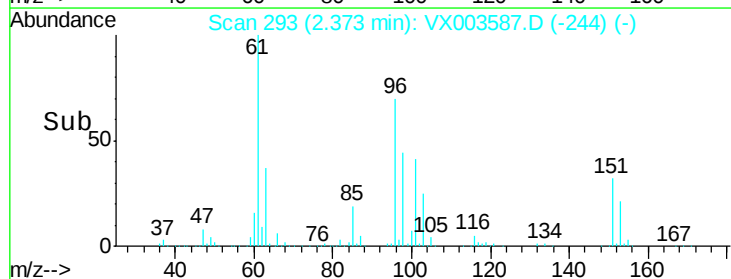
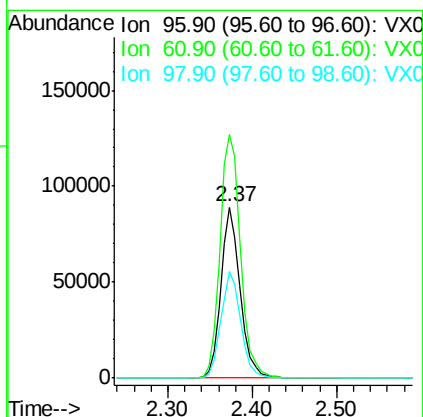
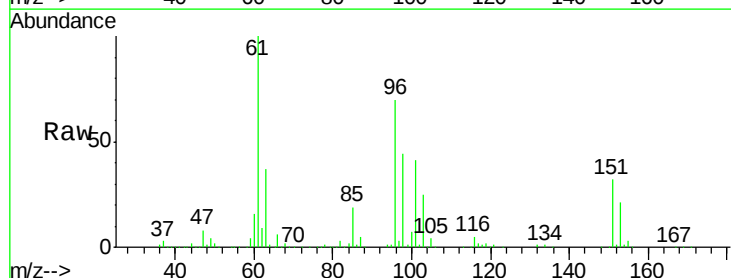
Tot Ion: 59 Resp: 142961  
 Ion Ratio Lower Upper  
 59 100  
 57 10.3 8.2 12.2

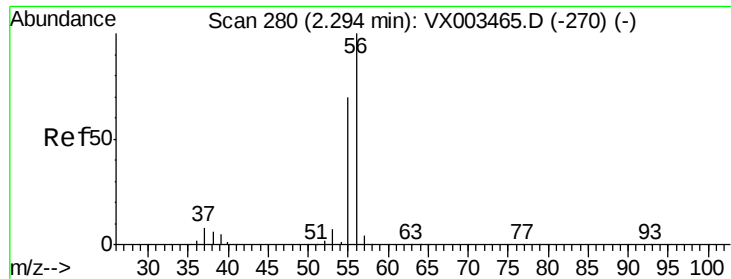


#12

1,1-Dichloroethene  
 Concen: 50.22 ug/l  
 RT: 2.37 min Scan# 293  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Tgt Ion: 96 Resp: 140112  
 Ion Ratio Lower Upper  
 96 100  
 61 142.6 137.9 206.9  
 98 62.5 51.6 77.4





#13

Acrolein

Concen: 196.93 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

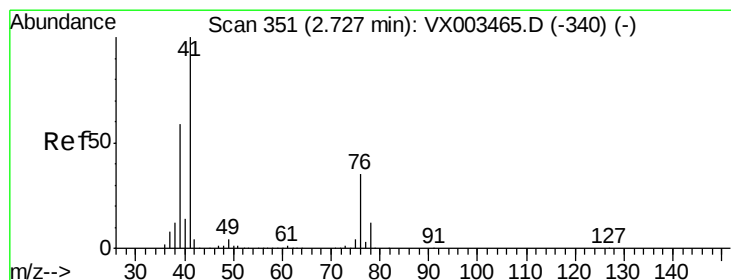
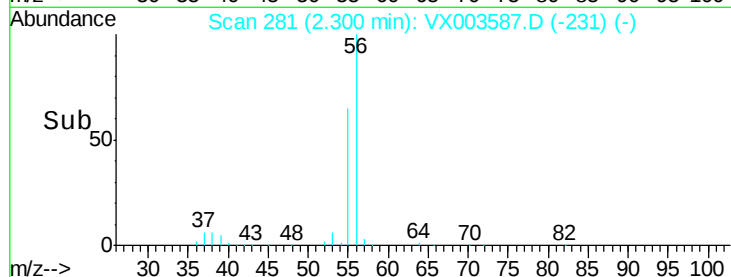
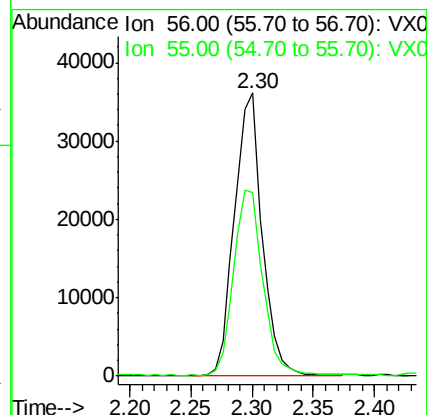
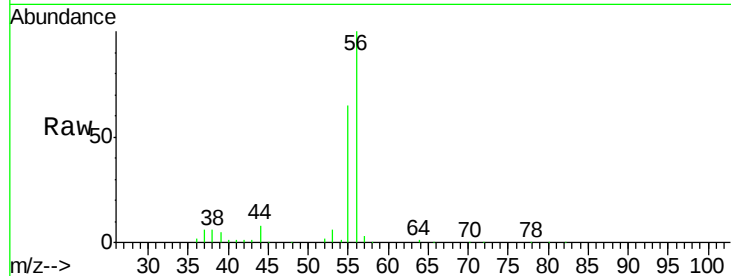
KY030LC068-W-180716MS

Tot Ion: 56 Resp: 56928

Ion Ratio Lower Upper

56 100

55 68.4 57.0 85.4



#14

Allyl chloride

Concen: 50.42 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

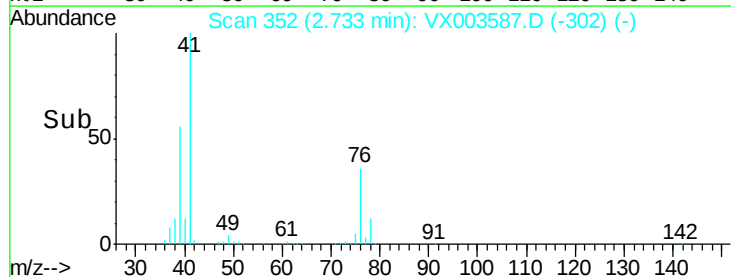
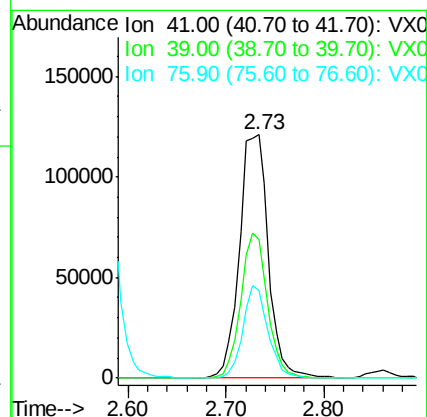
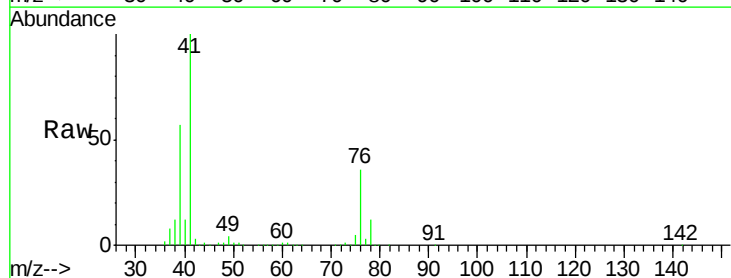
Tgt Ion: 41 Resp: 249021

Ion Ratio Lower Upper

41 100

39 55.2 56.8 85.2#

76 32.6 23.8 35.8





#15

Acrylonitrile

Concen: 241.49 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

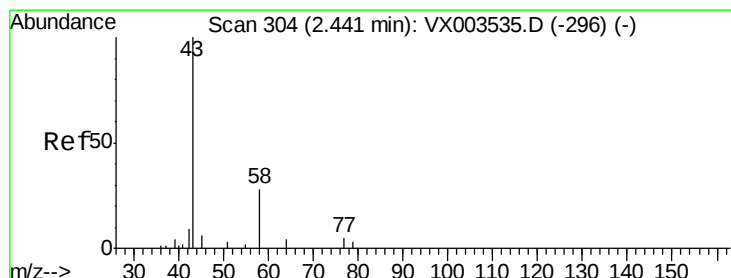
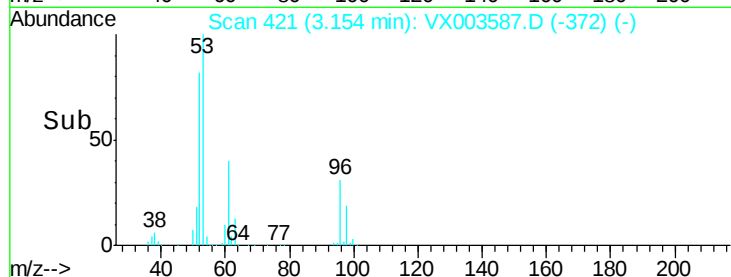
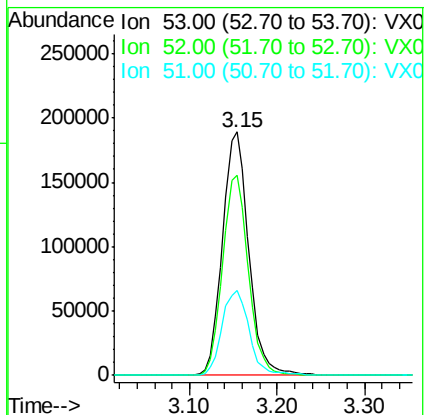
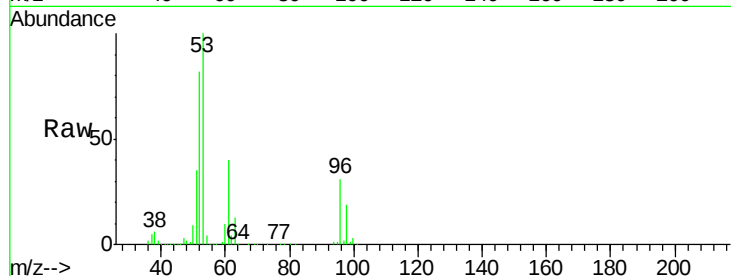
Tot Ion: 53 Resp: 393368

Ion Ratio Lower Upper

53 100

52 81.0 66.7 100.1

51 36.3 29.9 44.9



#16

Acetone

Concen: 262.62 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003587.D

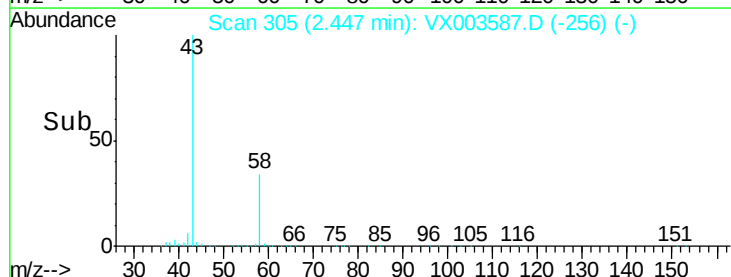
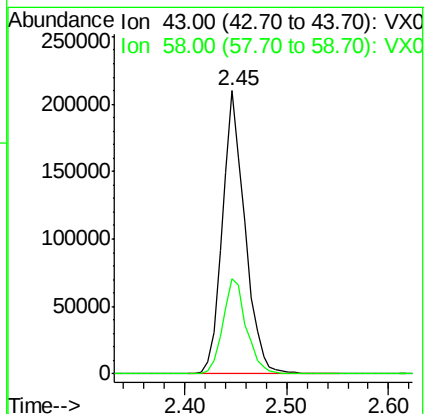
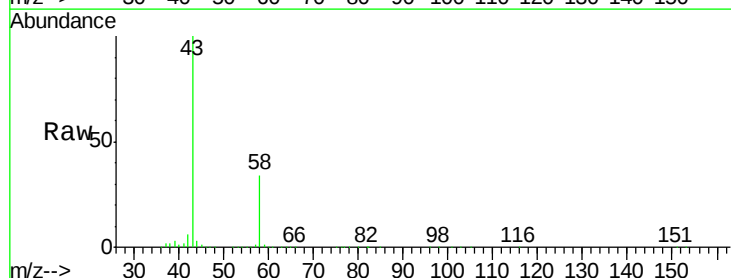
Acq: 22 Jul 2018 06:47

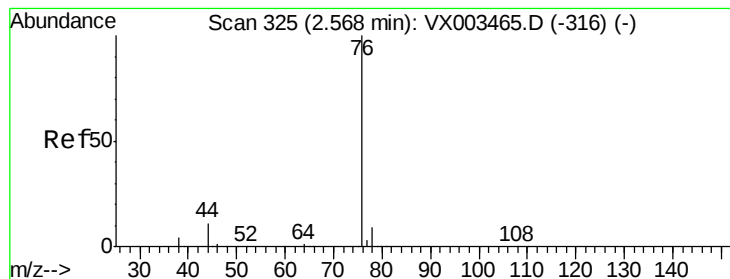
Tgt Ion: 43 Resp: 320740

Ion Ratio Lower Upper

43 100

58 33.8 22.1 33.1#





#17

Carbon Disulfide

Concen: 49.33 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

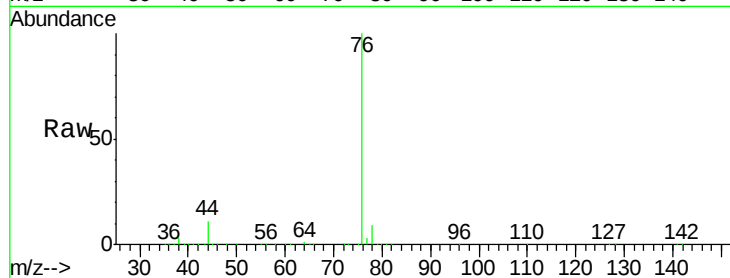
KY030LC068-W-180716MS

Tot Ion: 76 Resp: 372199

Ion Ratio Lower Upper

76 100

78 8.6 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

50000

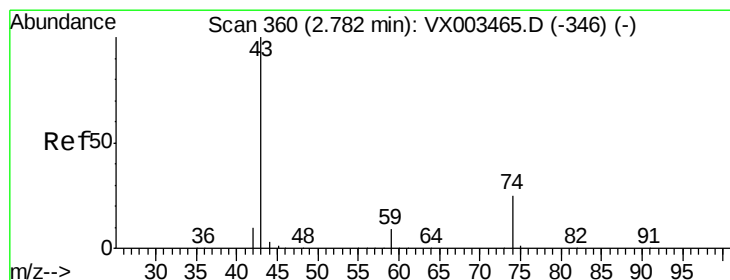
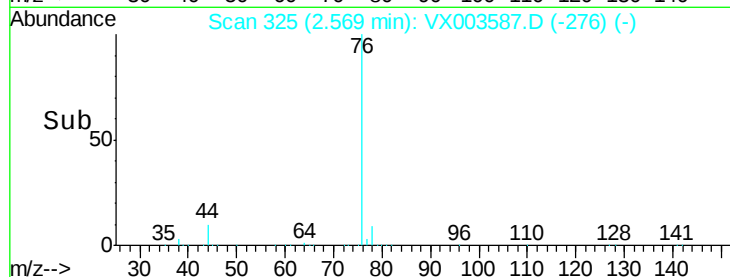
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 46.72 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003587.D

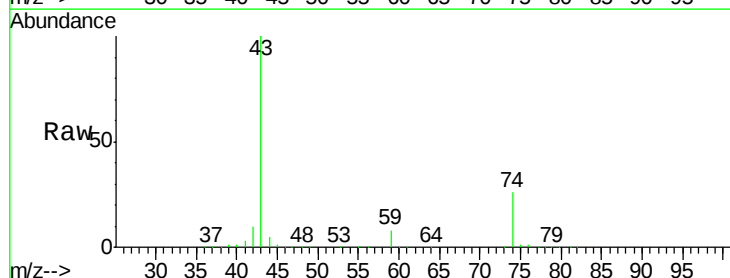
Acq: 22 Jul 2018 06:47

Tgt Ion: 43 Resp: 179899

Ion Ratio Lower Upper

43 100

74 24.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

60000

40000

20000

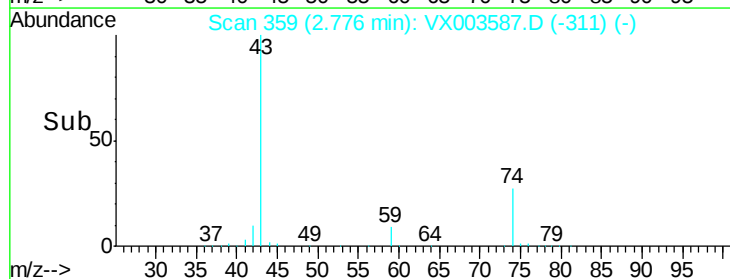
0

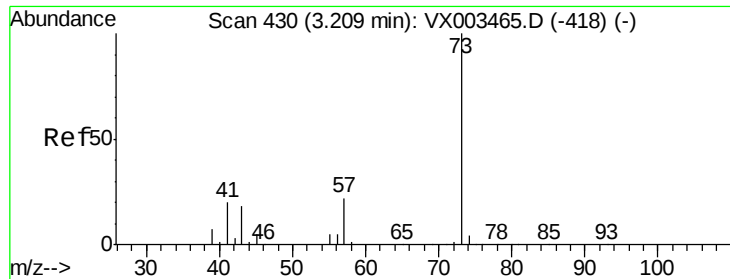
Time-->

2.70

2.80

2.90

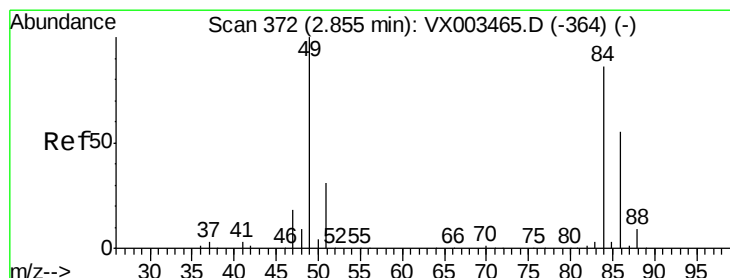
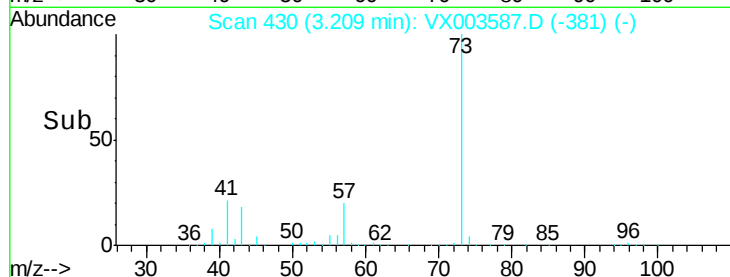
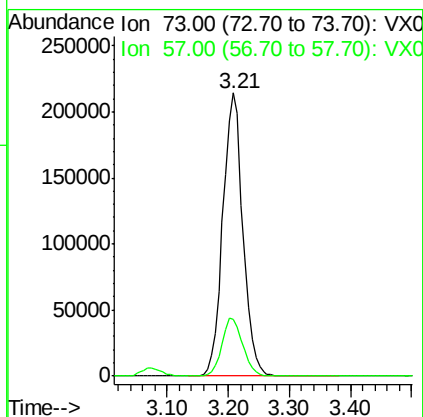
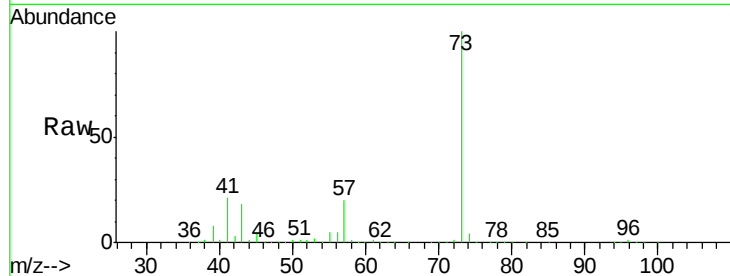




#19  
Methvl tert-butvl Ether  
Concen: 53.10 ug/l  
RT: 3.21 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

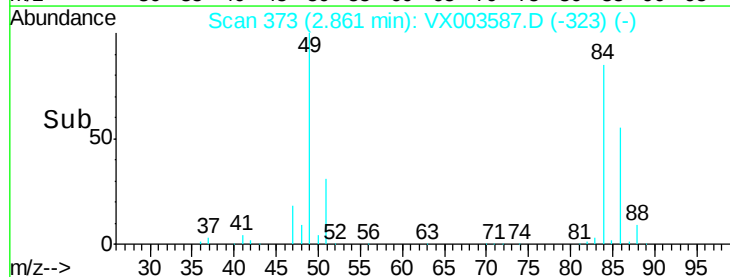
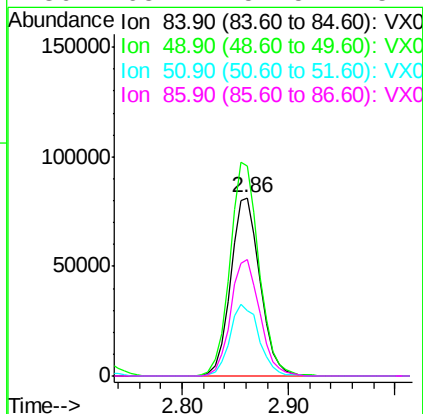
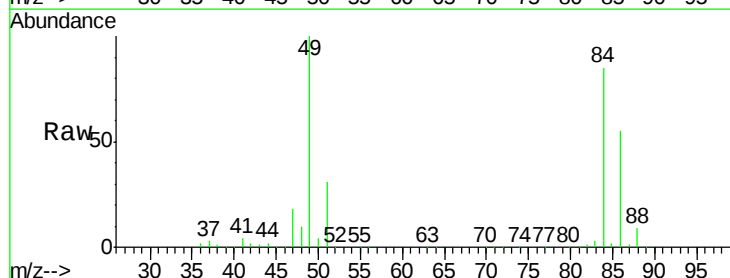
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

Tot Ion: 73 Resp: 483731  
Ion Ratio Lower Upper  
73 100  
57 20.2 17.7 26.5



#20  
Methylene Chloride  
Concen: 52.73 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.01 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion: 84 Resp: 157335  
Ion Ratio Lower Upper  
84 100  
49 117.5 107.8 161.6  
51 36.6 32.8 49.2  
86 65.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.68 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

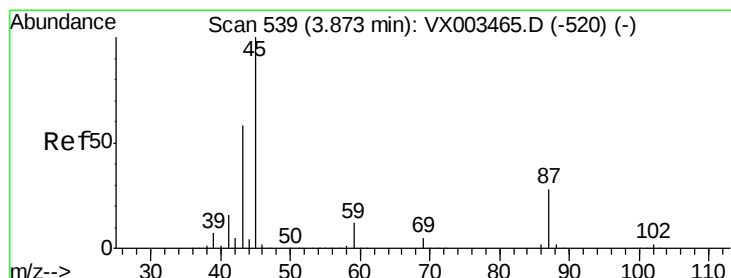
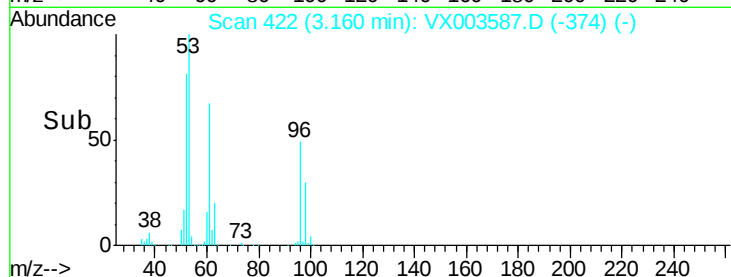
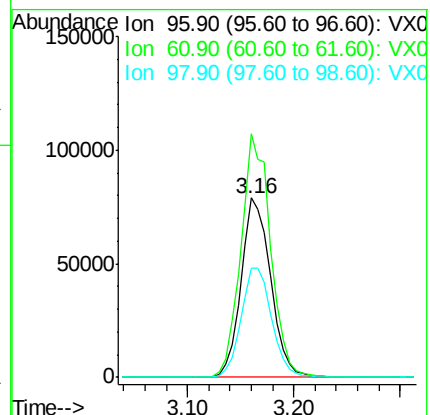
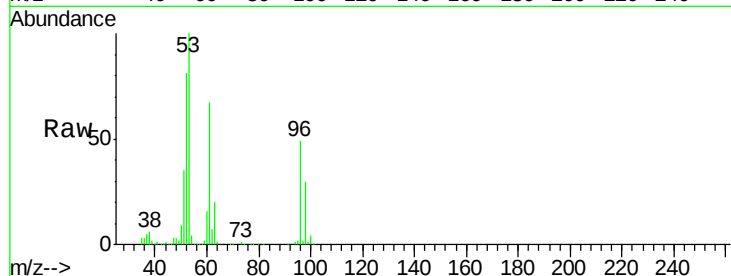
Tot Ion: 96 Resp: 154206

Ion Ratio Lower Upper

96 100

61 135.6 117.0 175.4

98 61.1 52.4 78.6



#22

Diisopropyl ether

Concen: 55.81 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion: 45 Resp: 518657

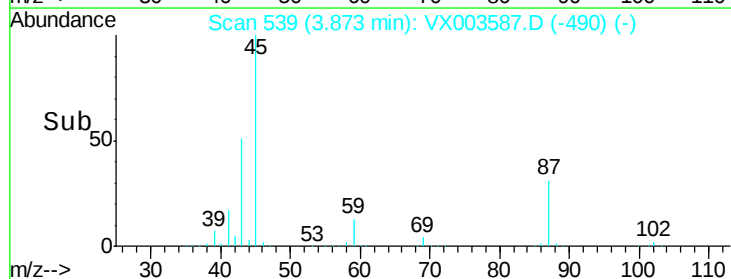
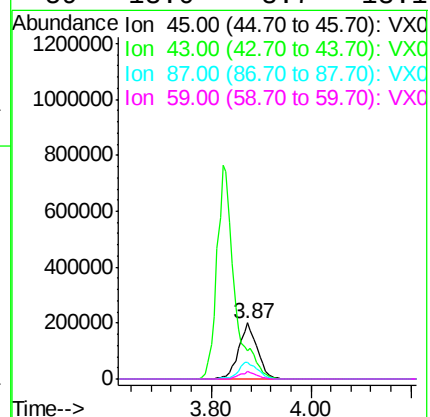
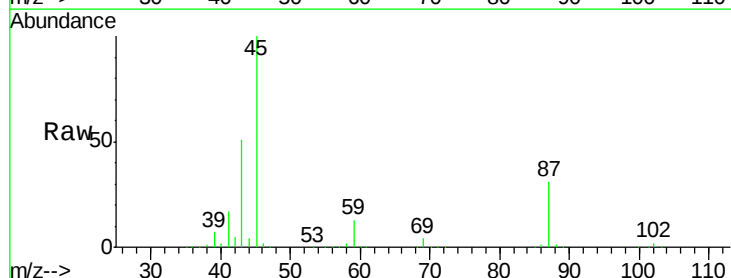
Ion Ratio Lower Upper

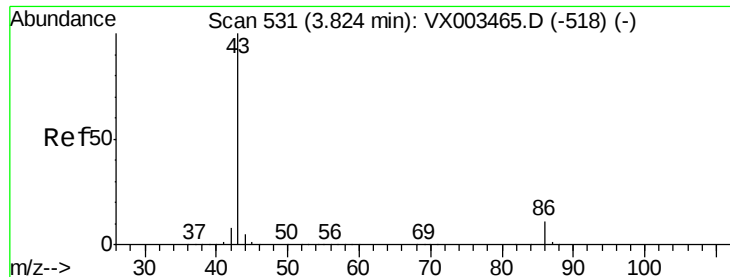
45 100

43 50.8 46.8 70.2

87 30.8 20.2 30.4#

59 13.0 8.7 13.1





#23

Vinyl Acetate

Concen: 244.00 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

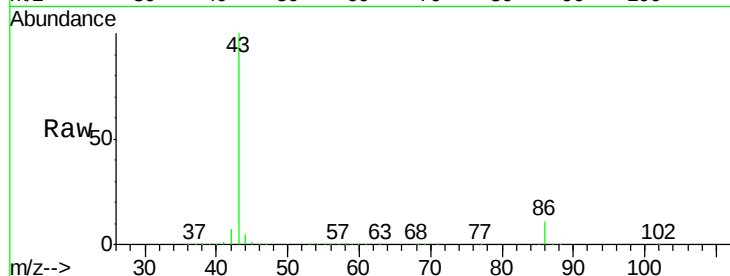
KY030LC068-W-180716MS

Tot Ion: 43 Resp: 1867785

Ion Ratio Lower Upper

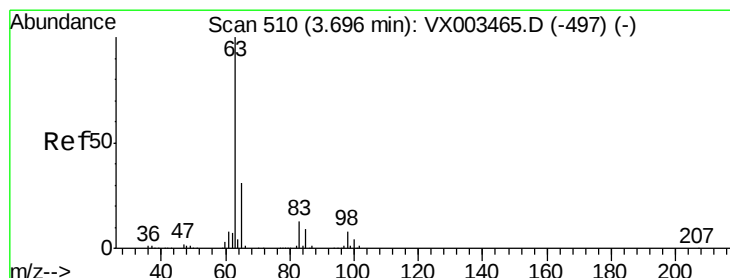
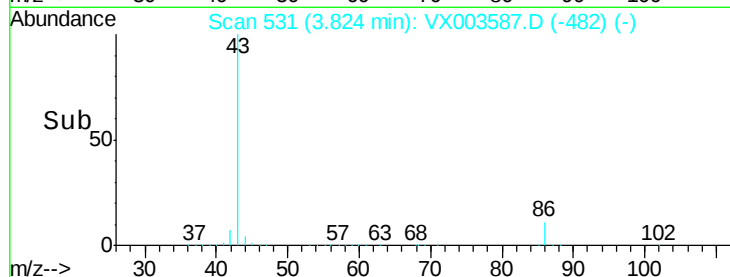
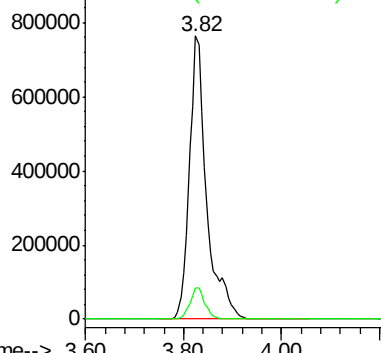
43 100

86 10.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 56.64 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

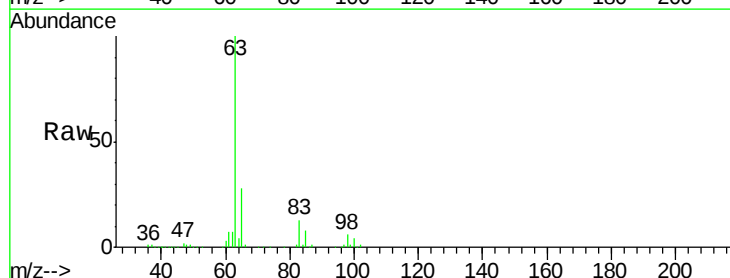
Tgt Ion: 63 Resp: 308839

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

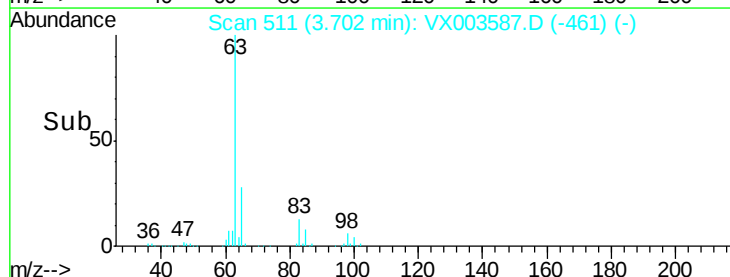
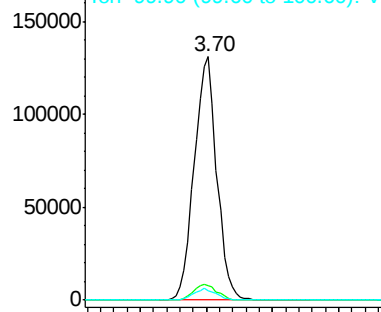
100 4.1 2.0 6.0

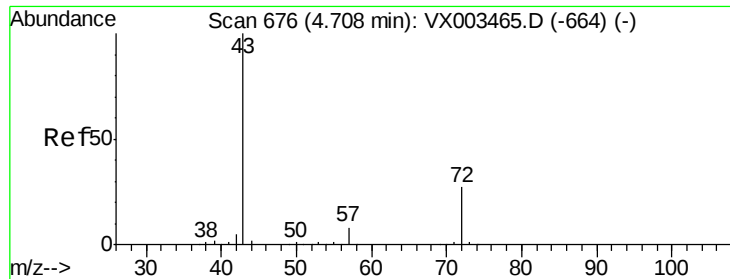


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 259.36 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

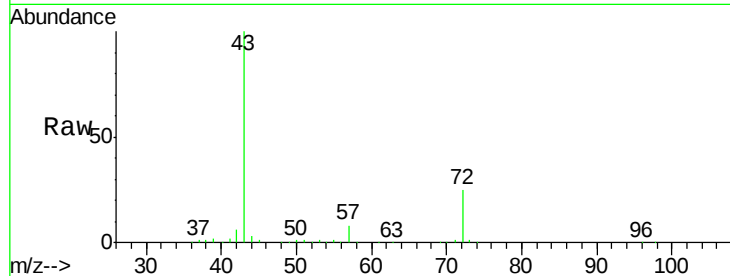
KY030LC068-W-180716MS

Tot Ion: 43 Resp: 531473

Ion Ratio Lower Upper

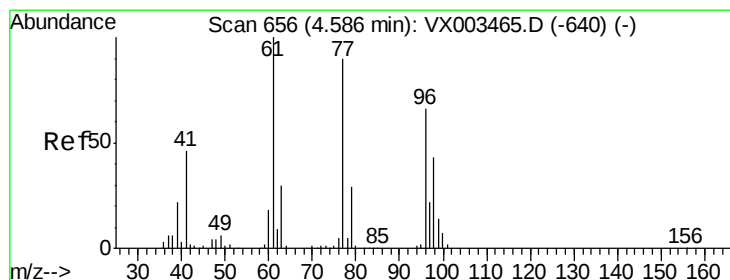
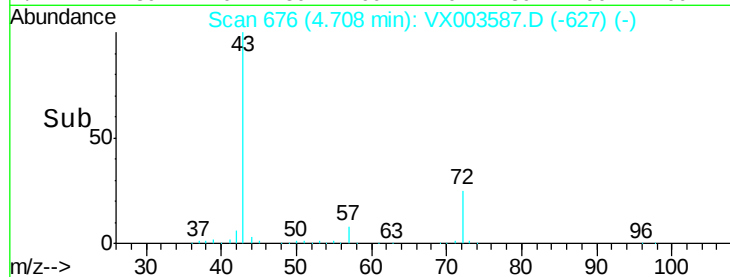
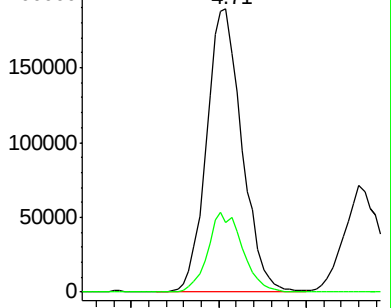
43 100

72 24.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 30.90 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003587.D

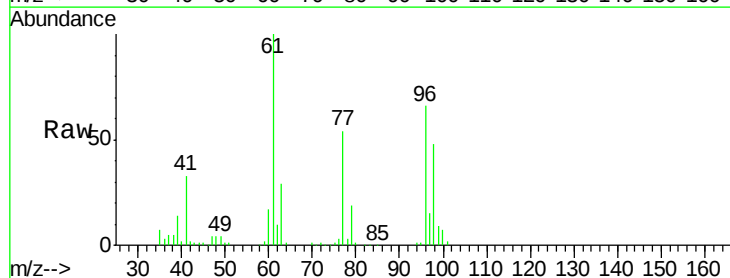
Acq: 22 Jul 2018 06:47

Tgt Ion: 77 Resp: 127975

Ion Ratio Lower Upper

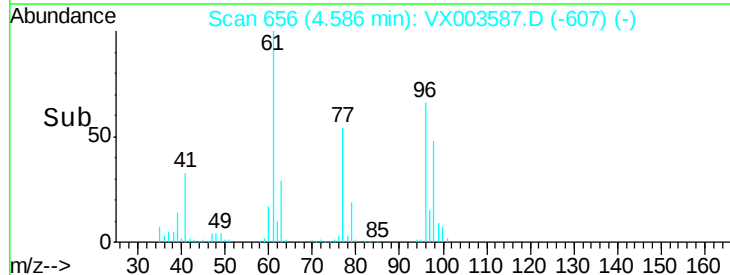
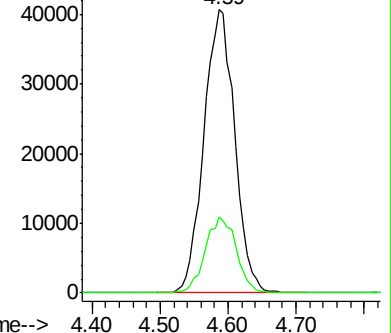
77 100

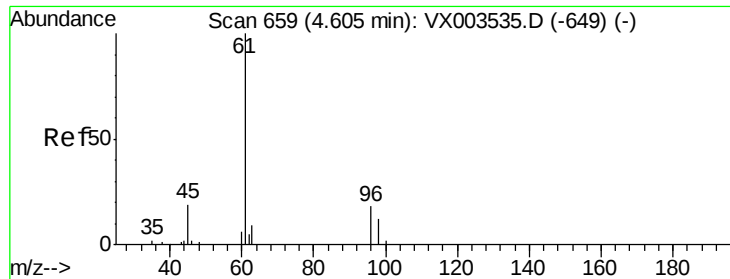
97 26.9 11.2 33.5



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: 52.77 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

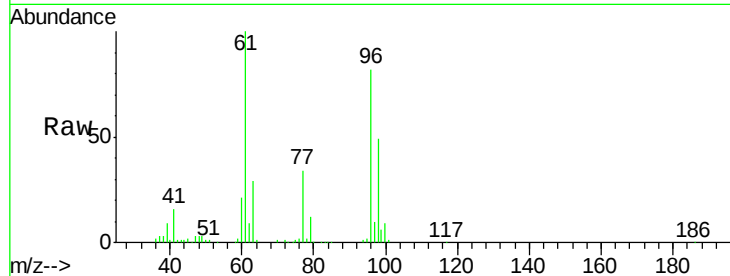
Tot Ion: 96 Resp: 182394

Ion Ratio Lower Upper

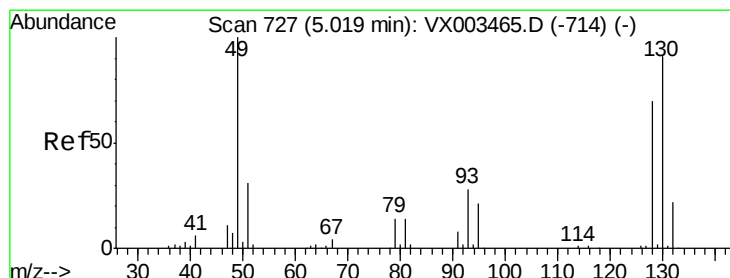
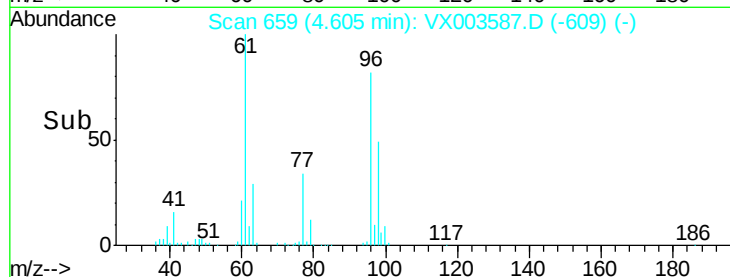
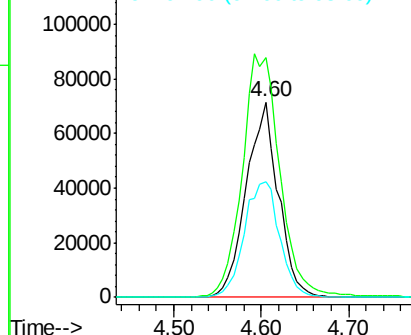
96 100

61 147.1 0.0 330.2

98 65.6 0.0 130.2



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



#28

Bromochloromethane

Concen: 54.66 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

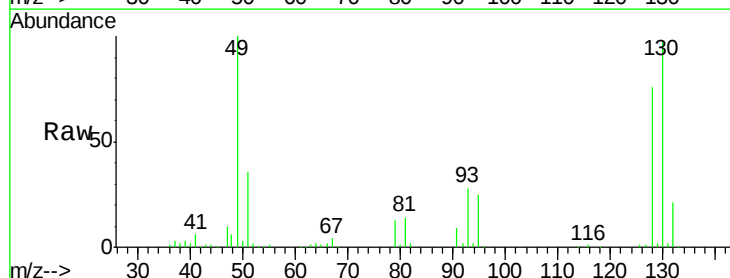
Tgt Ion: 49 Resp: 130266

Ion Ratio Lower Upper

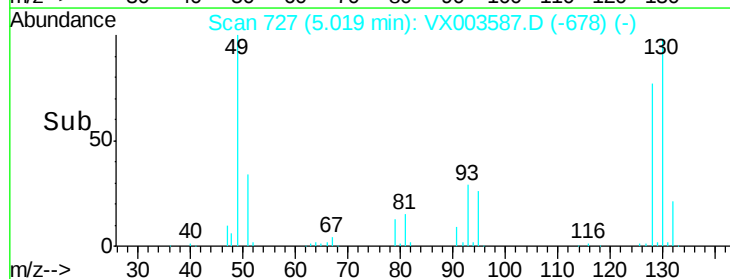
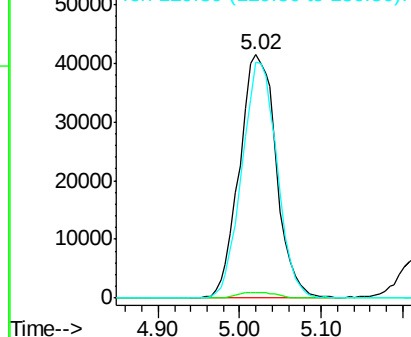
49 100

129 2.4 0.0 4.2

130 92.6 61.2 91.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V

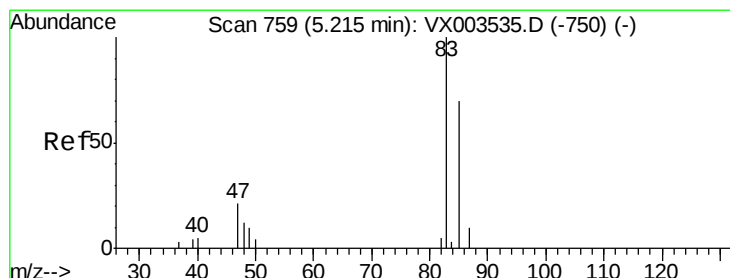
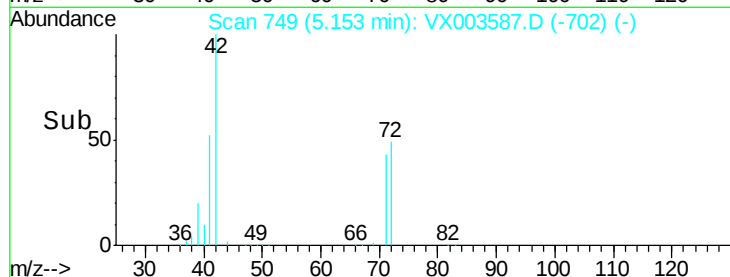
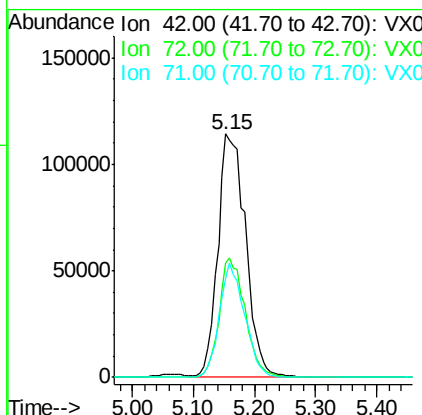
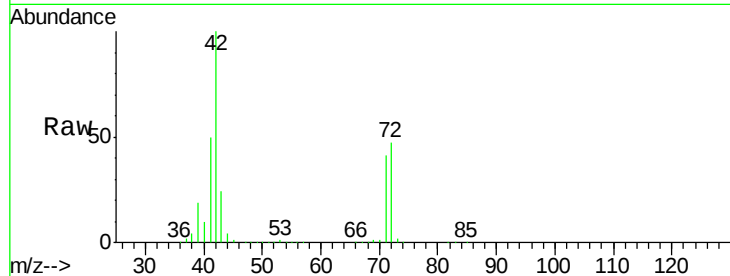




#29  
Tetrahydrofuran  
Concen: 265.11 ug/l  
RT: 5.15 min Scan# 749  
Delta R.T. -0.01 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

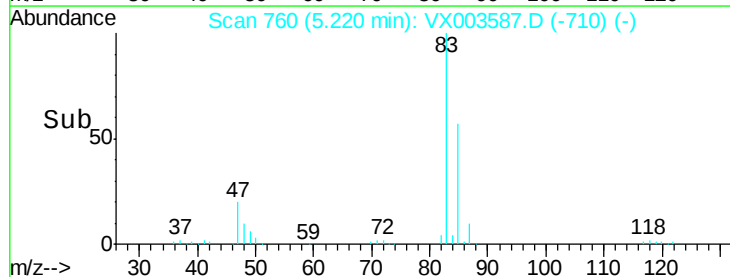
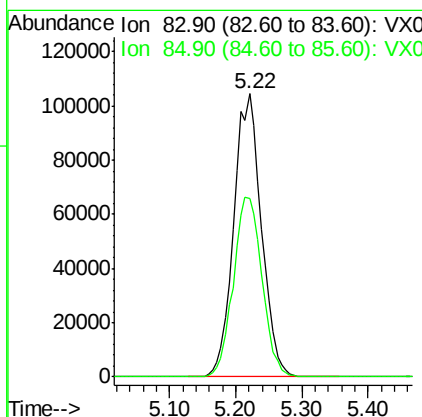
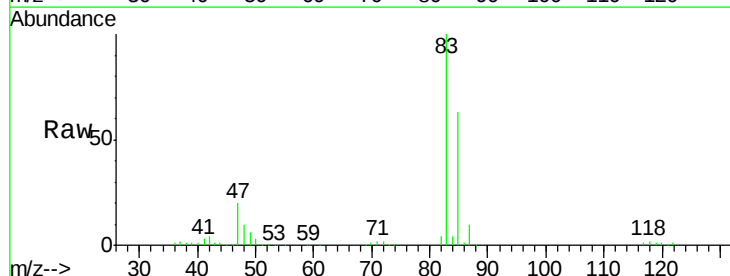
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

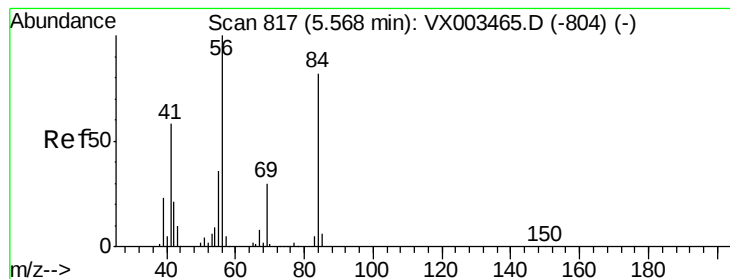
Tot Ion: 42 Resp: 358870  
Ion Ratio Lower Upper  
42 100  
72 46.1 32.0 48.0  
71 42.9 30.1 45.1



#30  
Chloroform  
Concen: 56.92 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. 0.01 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion: 83 Resp: 303042  
Ion Ratio Lower Upper  
83 100  
85 62.9 50.4 75.6





#31

Cyclohexane

Concen: 50.46 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

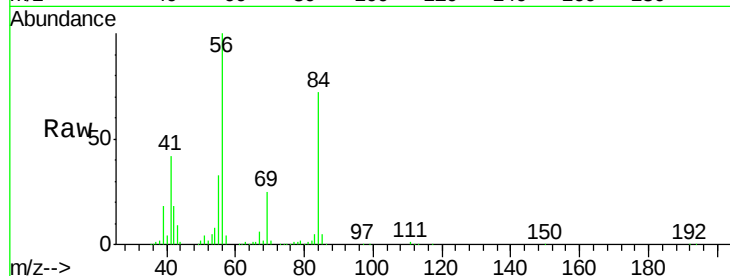
Tot Ion: 56 Resp: 245821

Ion Ratio Lower Upper

56 100

69 24.8 23.7 35.5

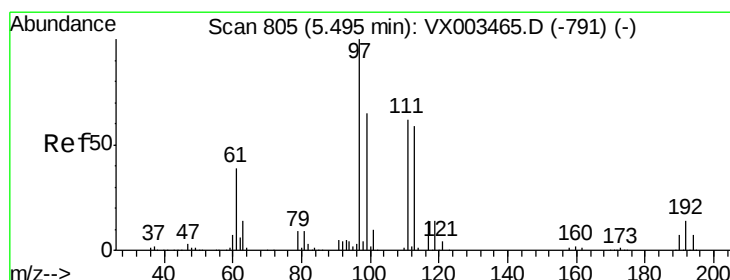
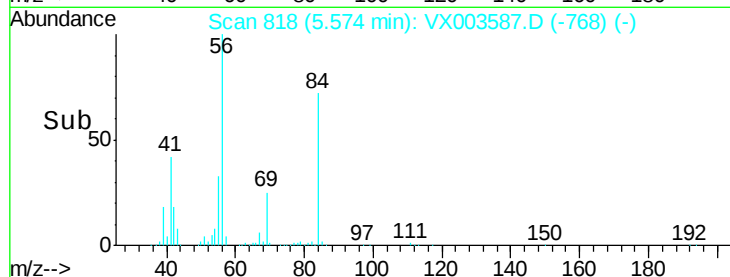
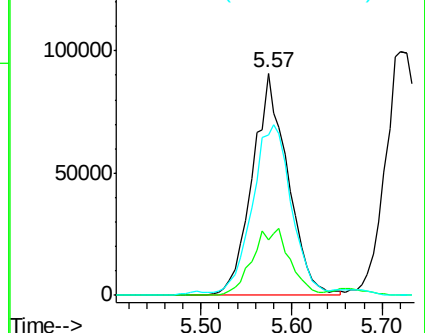
84 71.1 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 54.50 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

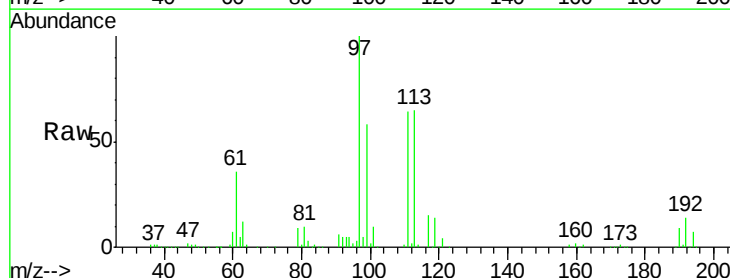
Tgt Ion: 97 Resp: 248477

Ion Ratio Lower Upper

97 100

99 62.6 51.6 77.4

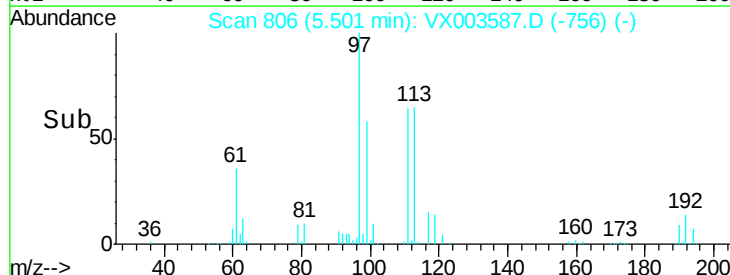
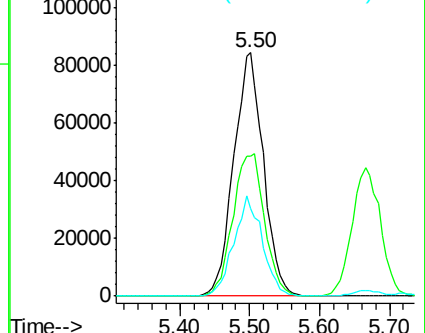
61 39.6 36.4 54.6

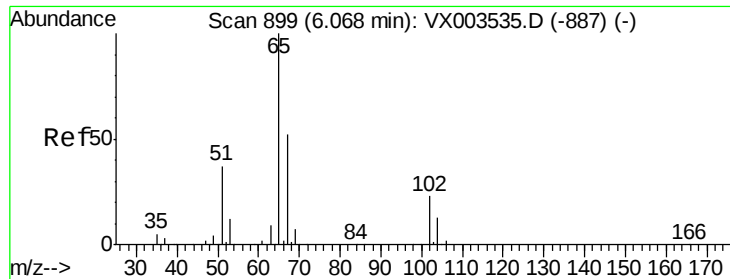


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.58 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

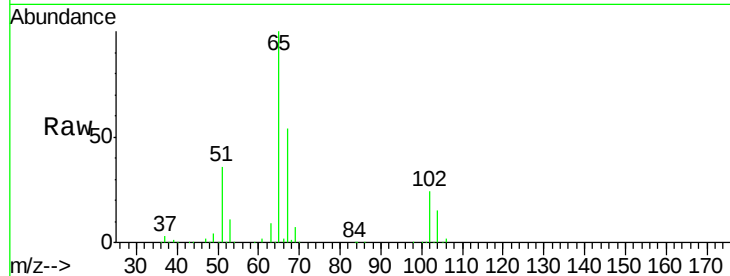
KY030LC068-W-180716MS

Tot Ion: 65 Resp: 163529

Ion Ratio Lower Upper

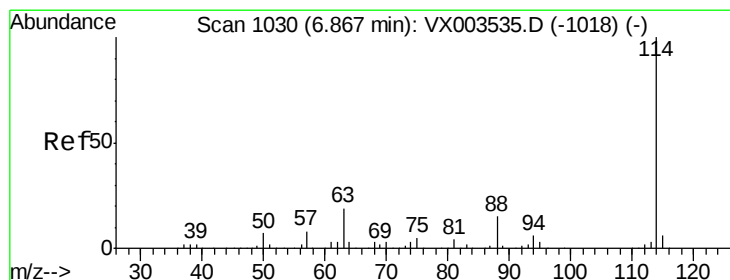
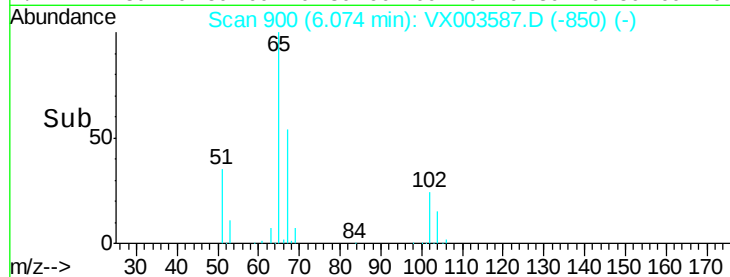
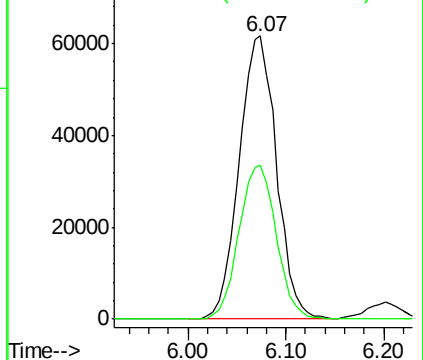
65 100

67 54.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

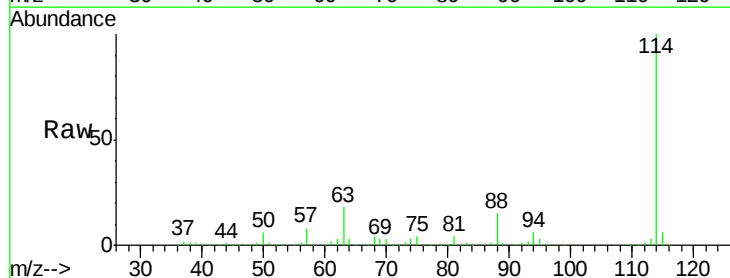
Tgt Ion: 114 Resp: 379765

Ion Ratio Lower Upper

114 100

63 17.8 0.0 41.4

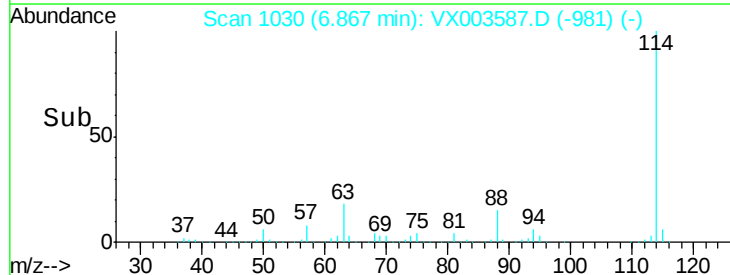
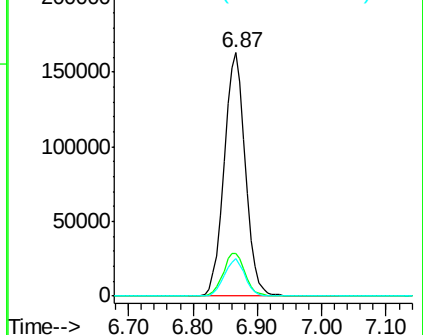
88 15.4 0.0 30.0

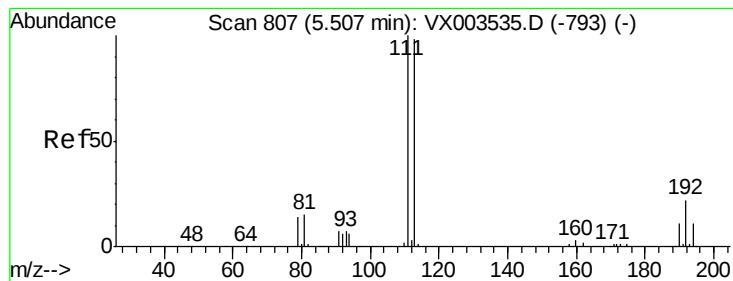


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 55.40 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

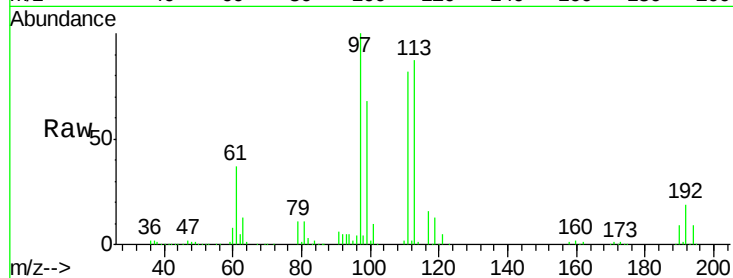
Tot Ion:113 Resp: 160235

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

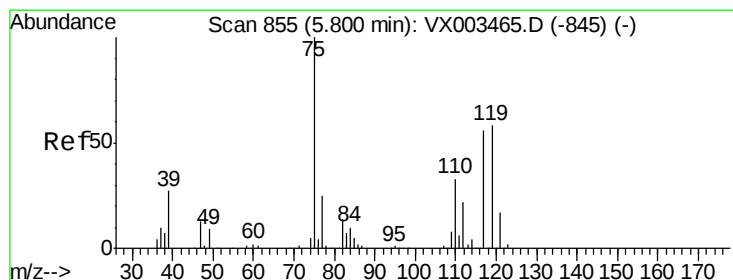
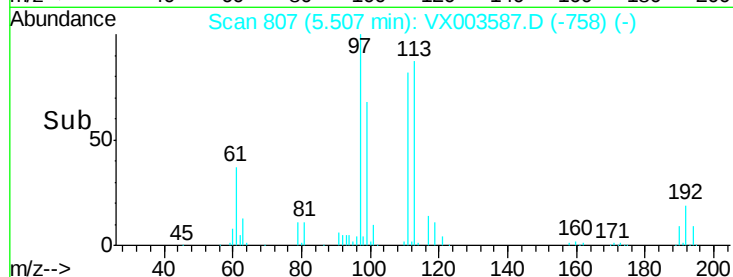
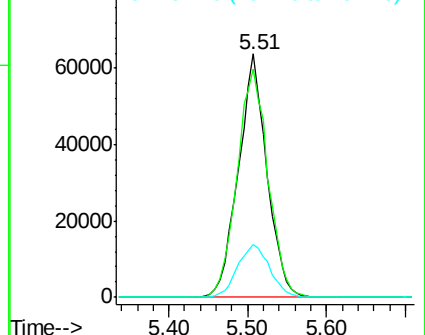
192 24.6 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.77 ug/l

RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

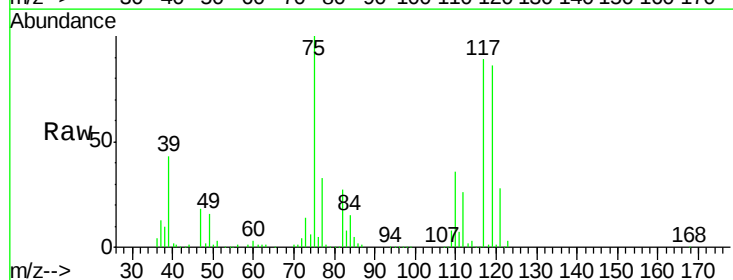
Tgt Ion: 75 Resp: 199959

Ion Ratio Lower Upper

75 100

110 38.4 18.1 54.4

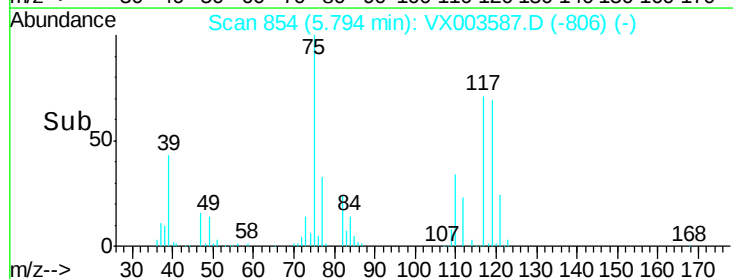
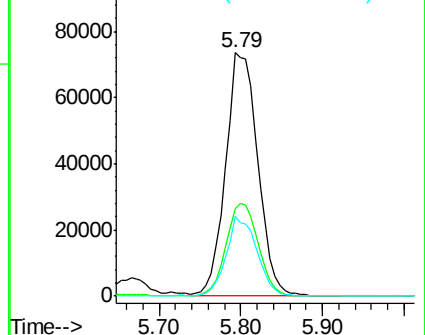
77 30.9 24.3 36.5

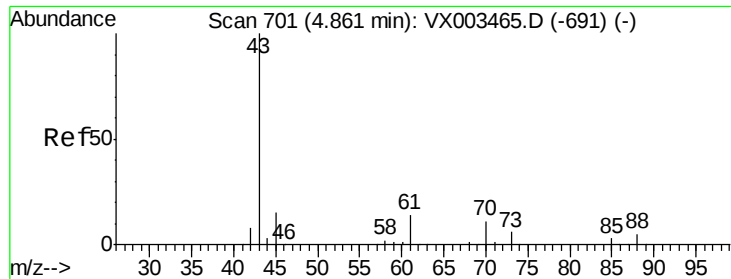


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

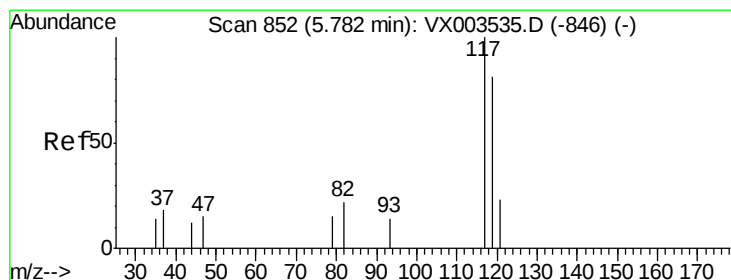
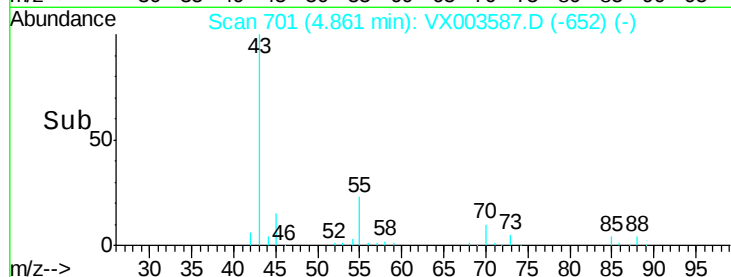
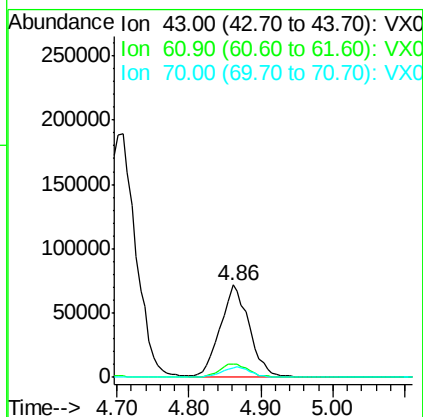
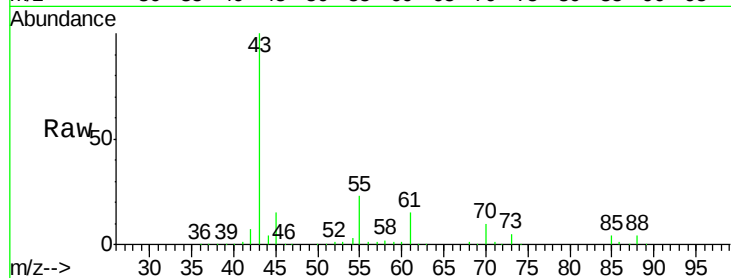




#37  
Ethyl Acetate  
Concen: 51.89 ug/l  
RT: 4.86 min Scan# 701  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

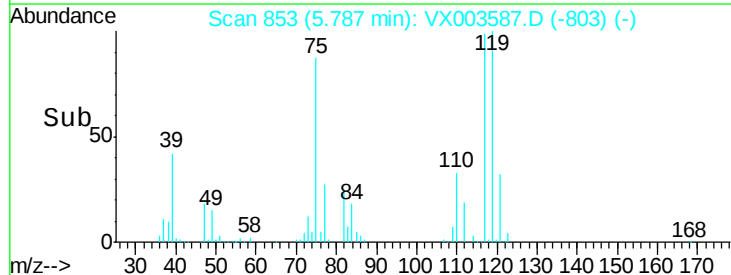
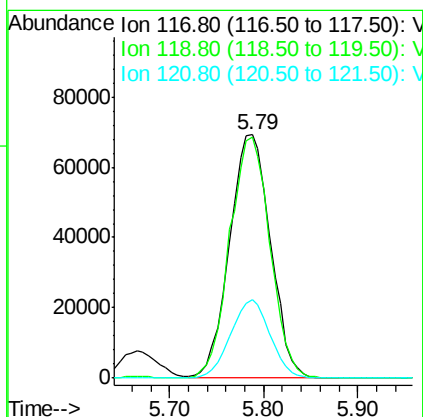
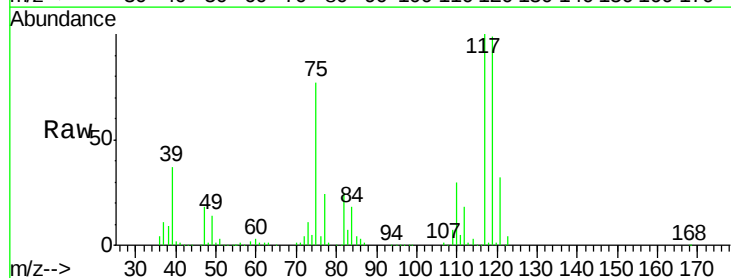
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

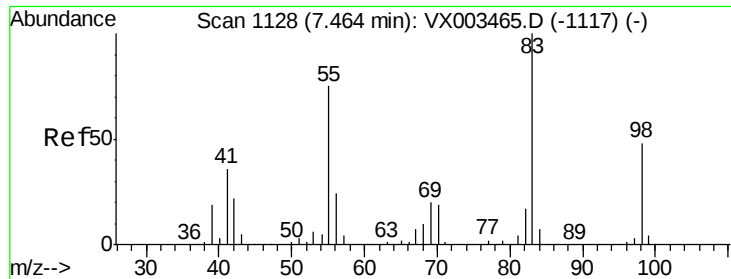
Tot Ion: 43 Resp: 201335  
Ion Ratio Lower Upper  
43 100  
61 15.5 10.4 15.6  
70 11.0 7.6 11.4



#38  
Carbon Tetrachloride  
Concen: 51.93 ug/l  
RT: 5.79 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion: 117 Resp: 208836  
Ion Ratio Lower Upper  
117 100  
119 99.2 77.4 116.0  
121 32.4 24.4 36.6

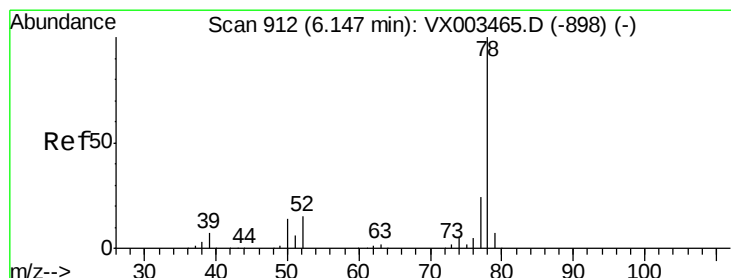
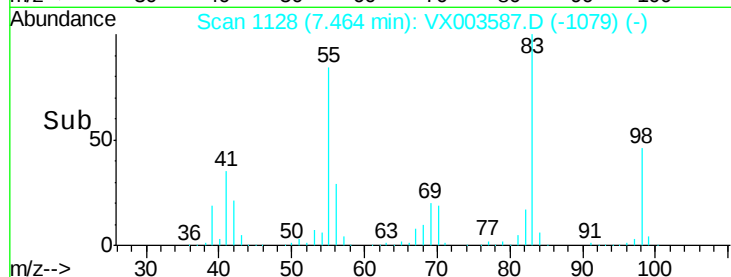
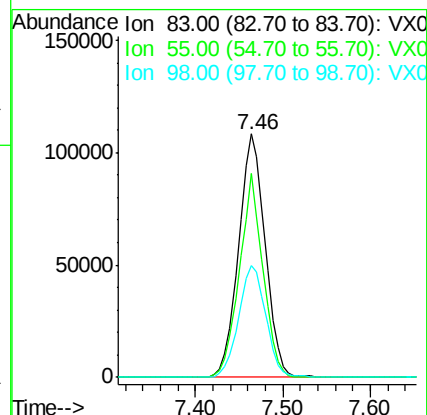
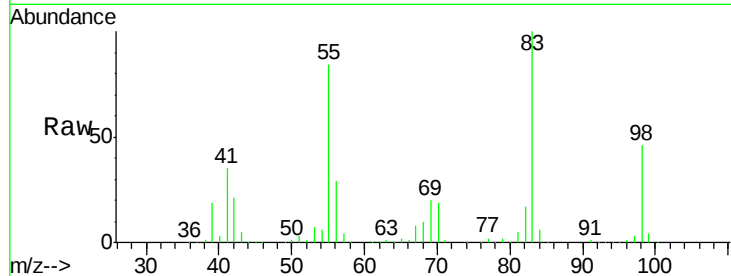




#39  
Methvlcvclohexane  
Concen: 47.11 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

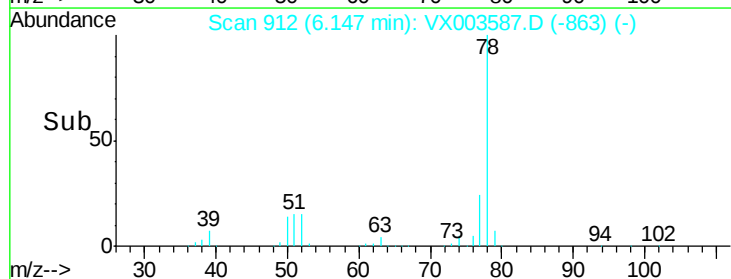
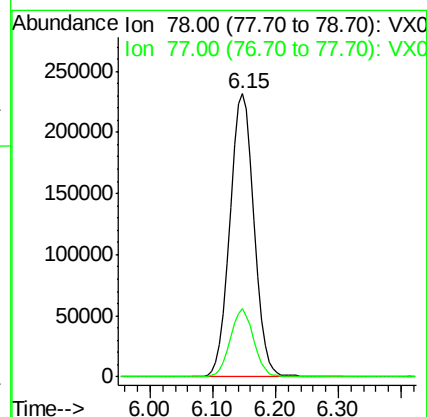
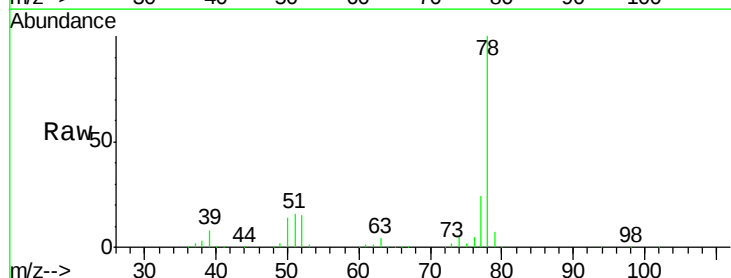
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

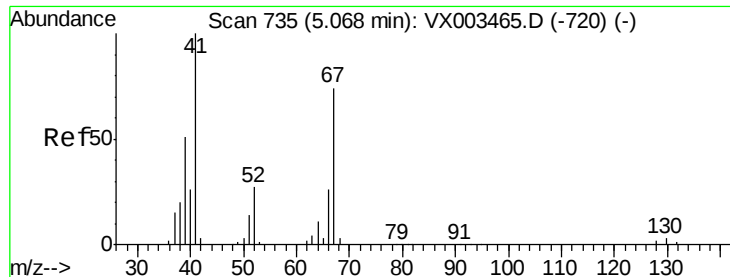
| Tot Ion   | 83    | Resp  | 228802 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 83.6  | 65.4  | 98.0   |
| 98        | 46.1  | 37.4  | 56.0   |



#40  
Benzene  
Concen: 49.94 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

| Tgt Ion   | 78    | Resp  | 618247 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 24.2  | 19.1  | 28.7   |

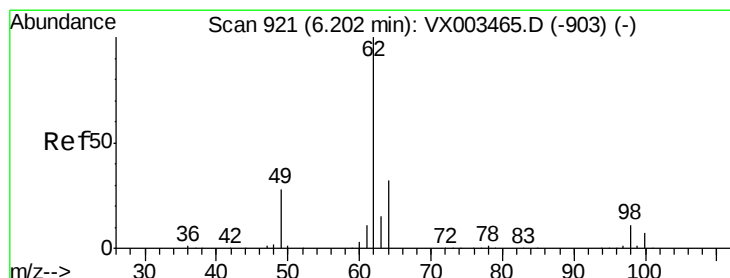
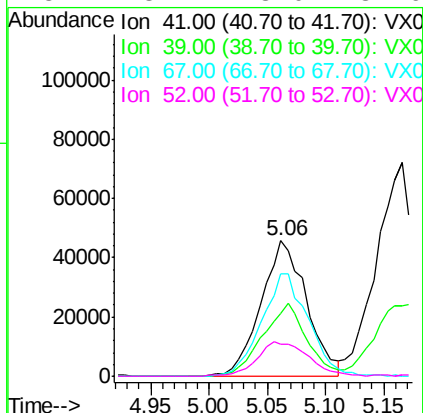
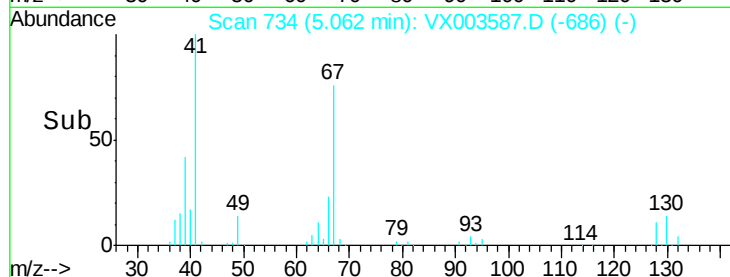
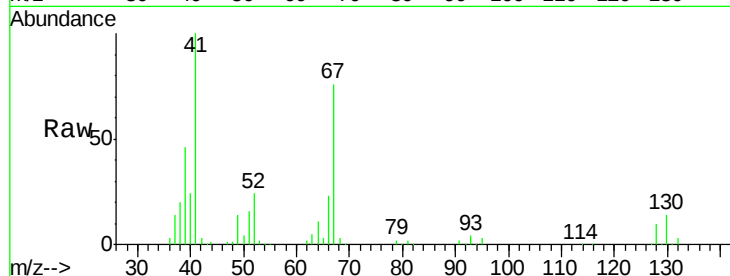




#41  
Methacrylonitrile  
Concen: 54.34 ug/l  
RT: 5.06 min Scan# 734  
Delta R.T. -0.01 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

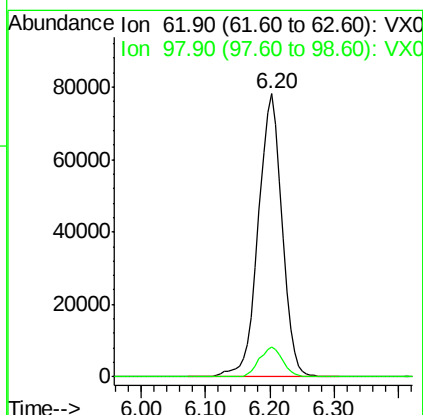
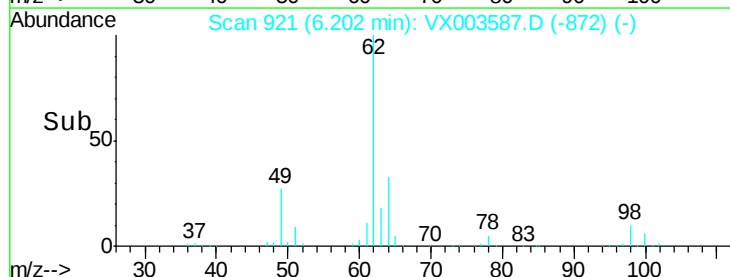
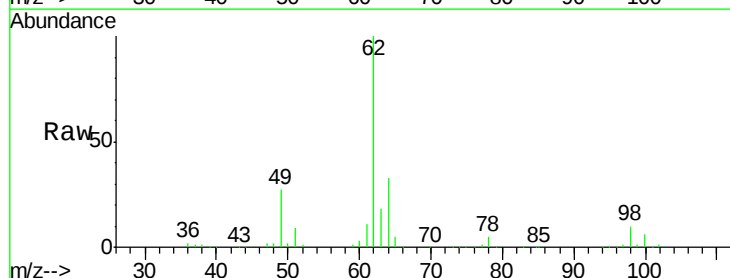
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

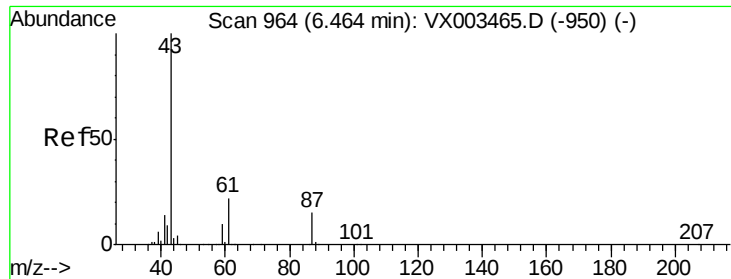
Tot Ion: 41 Resp: 123921  
Ion Ratio Lower Upper  
41 100  
39 51.5 45.8 68.6  
67 78.2 51.3 76.9#  
52 28.4 23.0 34.6



#42  
1,2-Dichloroethane  
Concen: 51.02 ug/l  
RT: 6.20 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion: 62 Resp: 199013  
Ion Ratio Lower Upper  
62 100  
98 10.4 0.0 16.6



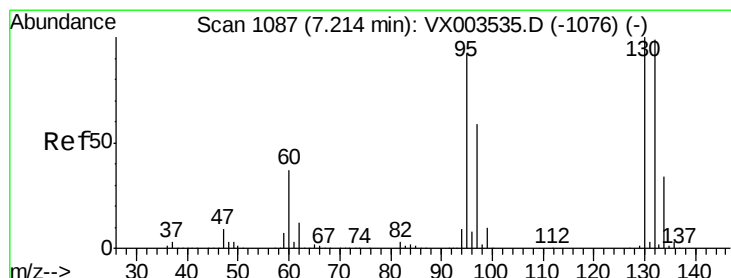
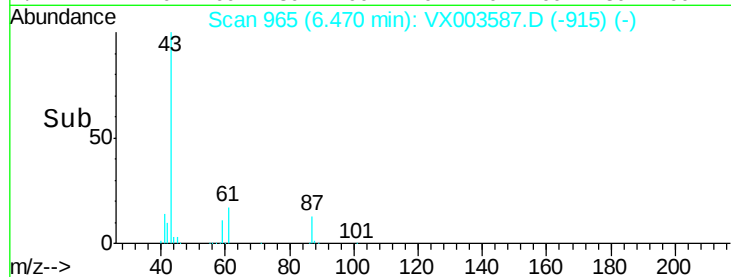
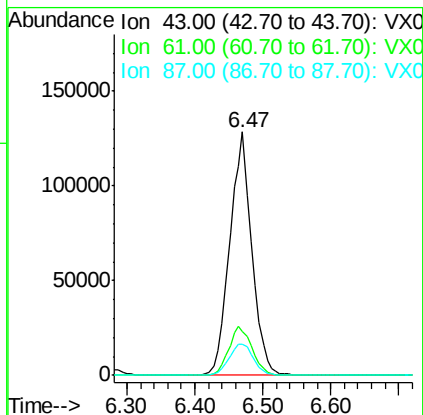
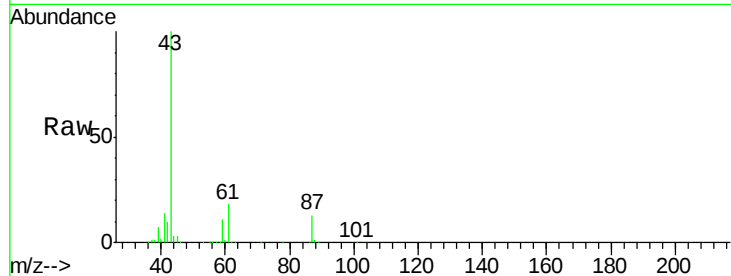


#43

Isopropyl Acetate  
 Concen: 46.44 ug/l  
 RT: 6.47 min Scan# 965  
 Delta R.T. 0.01 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY030LC068-W-180716MS

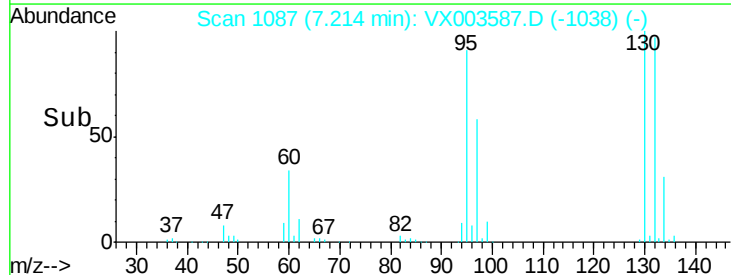
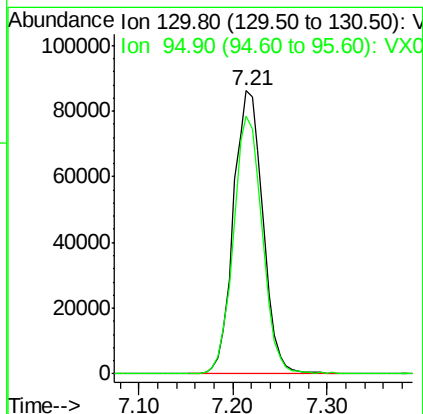
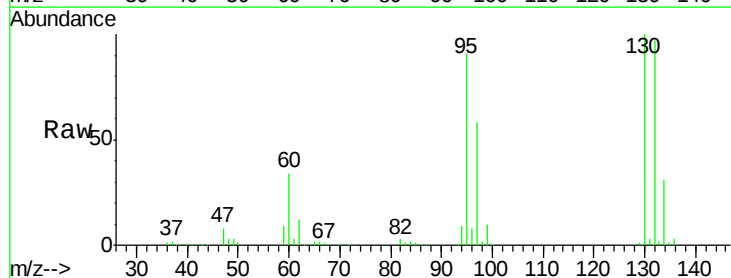
Tot Ion: 43 Resp: 286637  
 Ion Ratio Lower Upper  
 43 100  
 61 21.5 14.4 21.6  
 87 14.4 9.5 14.3#



#44

Trichloroethene  
 Concen: 50.66 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Tgt Ion:130 Resp: 187018  
 Ion Ratio Lower Upper  
 130 100  
 95 91.2 0.0 185.4





#45

1,2-Dichloropropane

Concen: 50.59 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

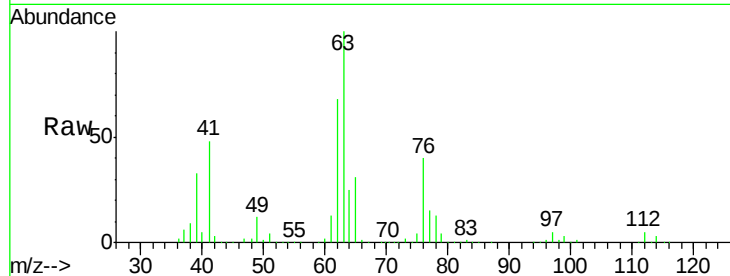
KY030LC068-W-180716MS

Tot Ion: 63 Resp: 159023

Ion Ratio Lower Upper

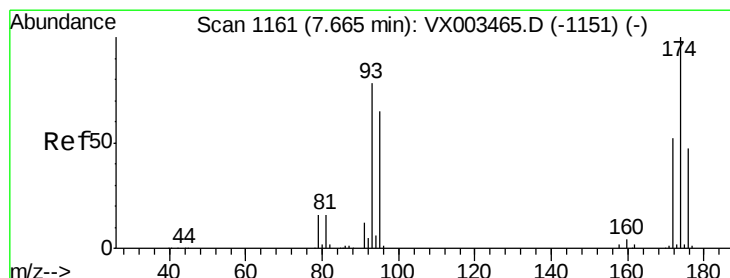
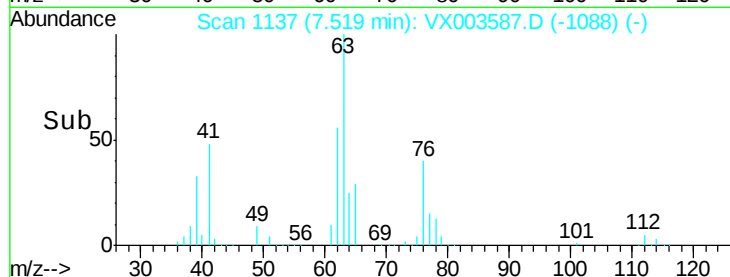
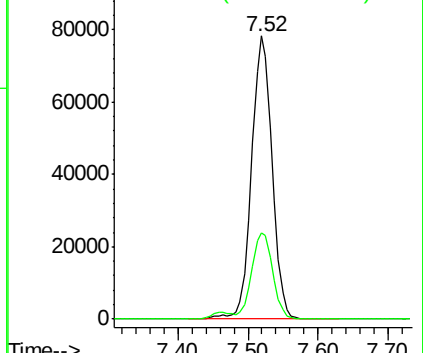
63 100

65 30.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.50 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

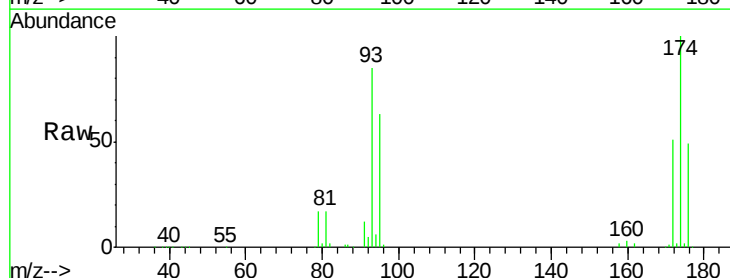
Tgt Ion: 93 Resp: 106237

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

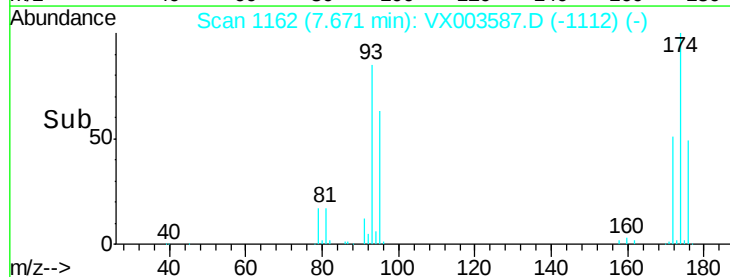
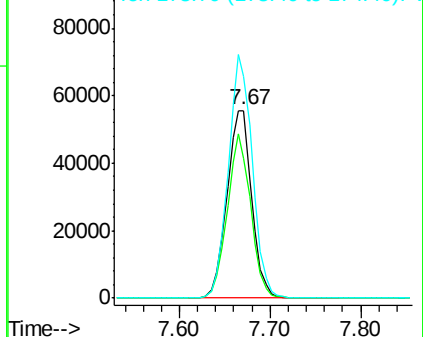
174 126.0 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.42 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

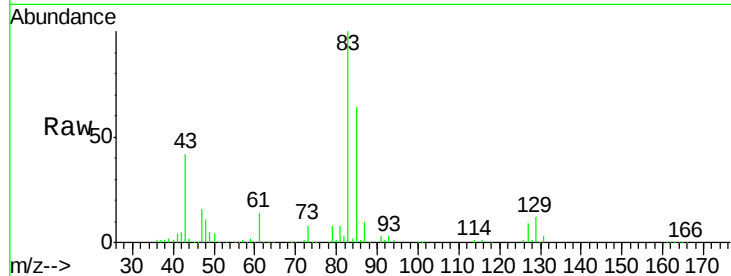
Tot Ion: 83 Resp: 197908

Ion Ratio Lower Upper

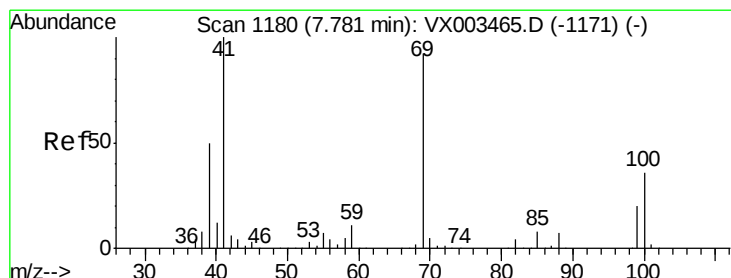
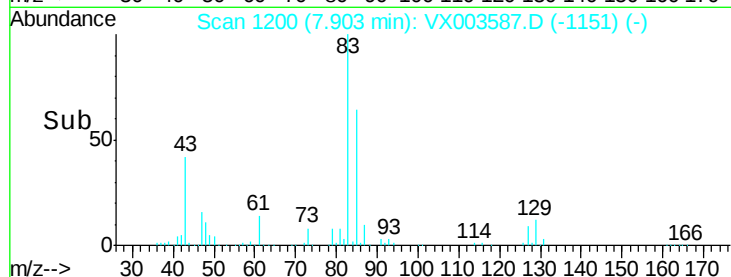
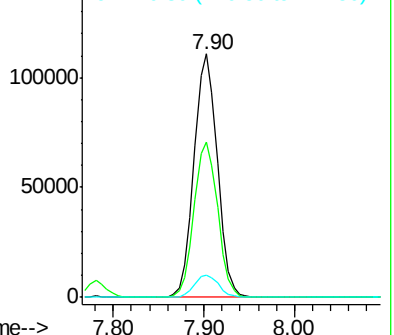
83 100

85 63.7 50.3 75.5

127 9.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0  
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.77 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

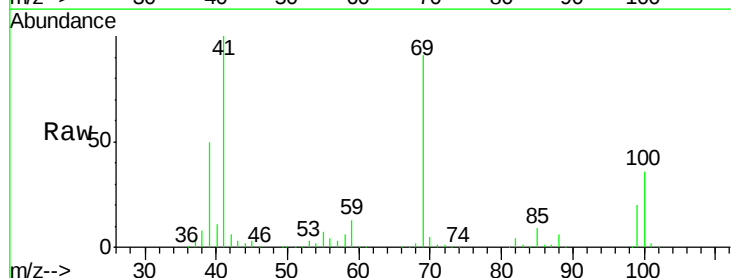
Tgt Ion: 41 Resp: 154899

Ion Ratio Lower Upper

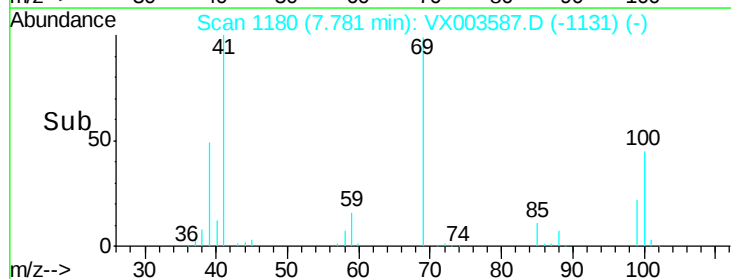
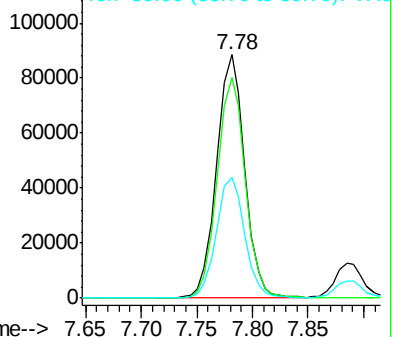
41 100

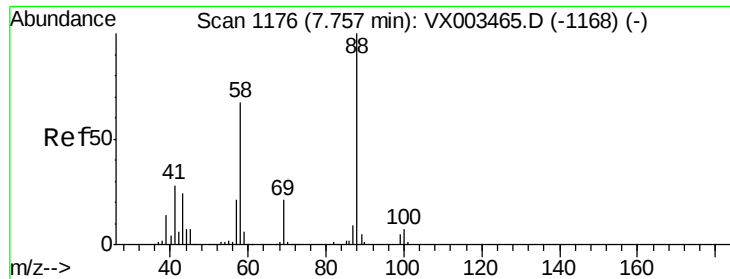
69 91.4 59.1 88.7#

39 50.4 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0

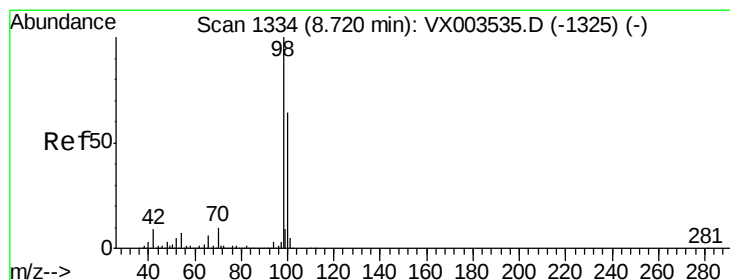
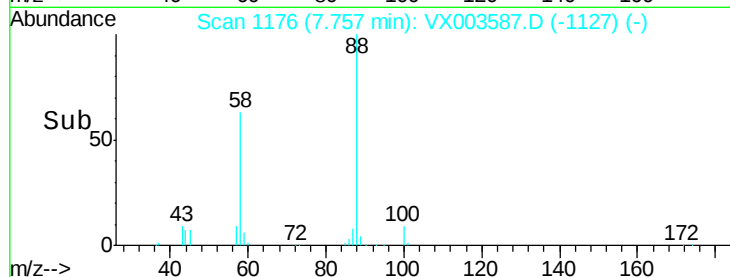
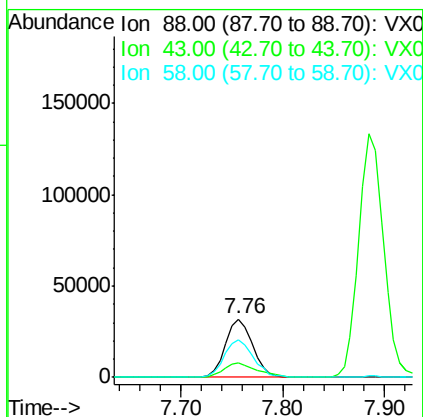
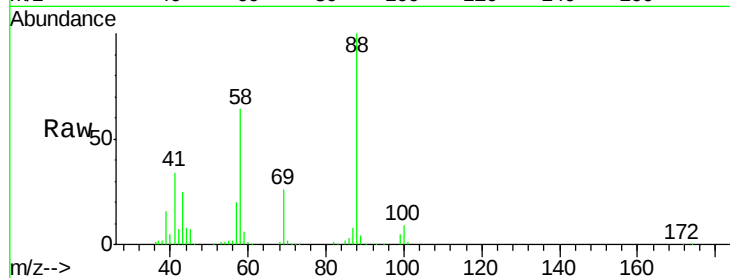




#49  
1,4-Dioxane  
Concen: 839.23 ug/l  
RT: 7.76 min Scan# 1176  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

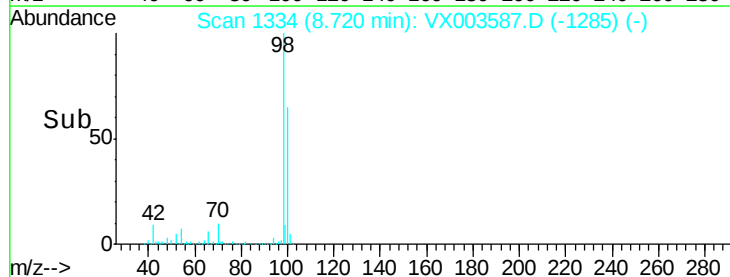
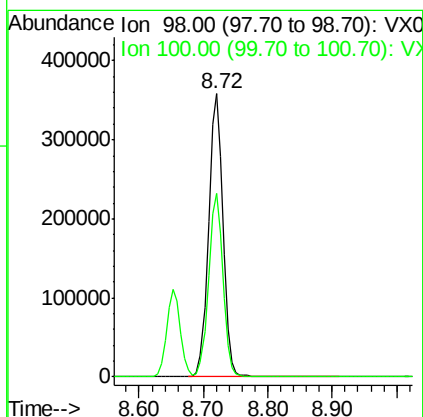
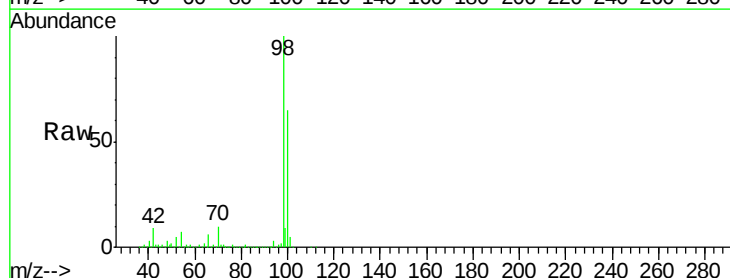
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

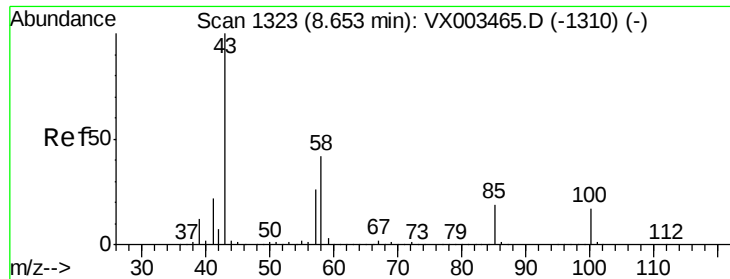
Tot Ion: 88 Resp: 59184  
Ion Ratio Lower Upper  
88 100  
43 32.0 29.8 44.6  
58 69.2 57.1 85.7



#50  
Toluene-d8  
Concen: 51.48 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion: 98 Resp: 559654  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 251.08 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

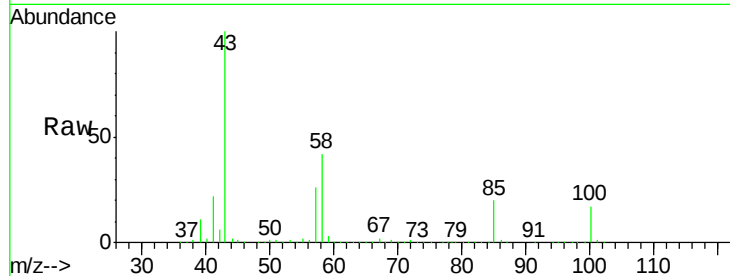
KY030LC068-W-180716MS

Tot Ion: 43 Resp: 978997

Ion Ratio Lower Upper

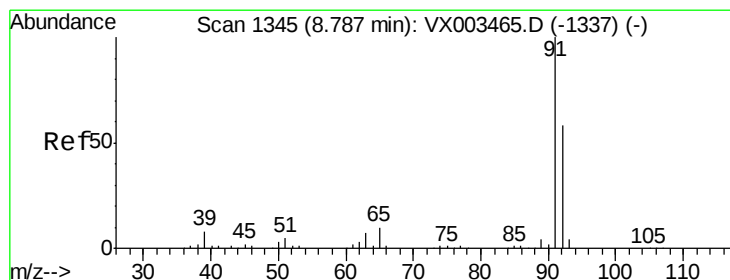
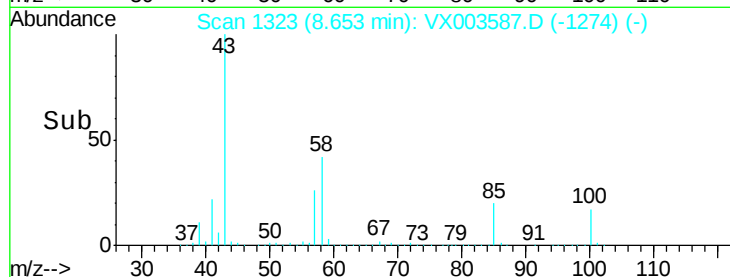
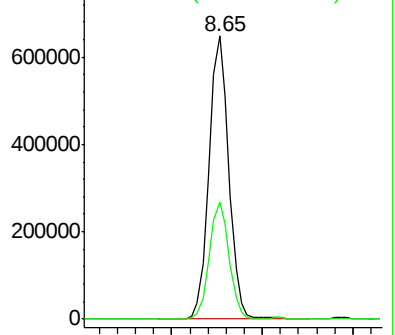
43 100

58 41.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.77 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003587.D

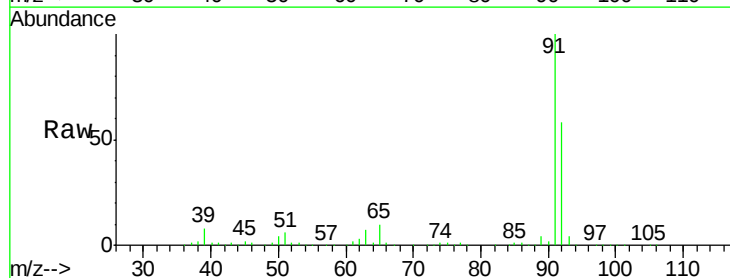
Acq: 22 Jul 2018 06:47

Tgt Ion: 92 Resp: 395584

Ion Ratio Lower Upper

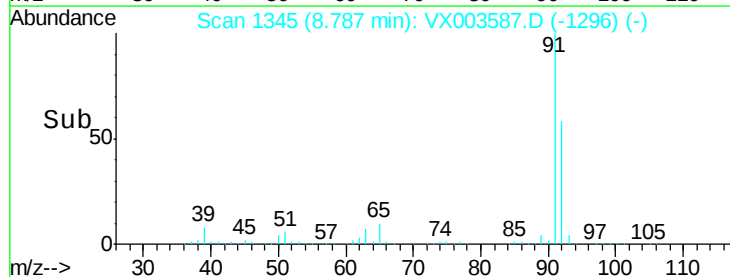
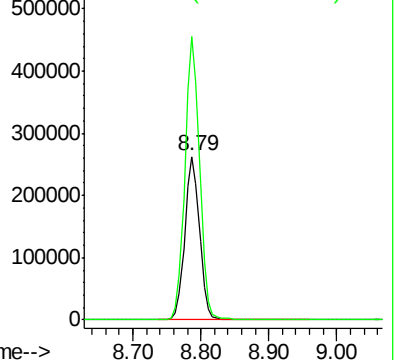
92 100

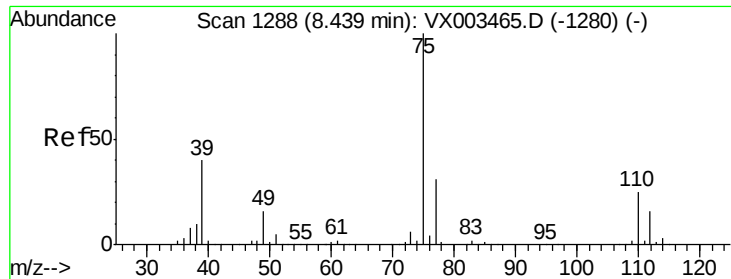
91 172.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

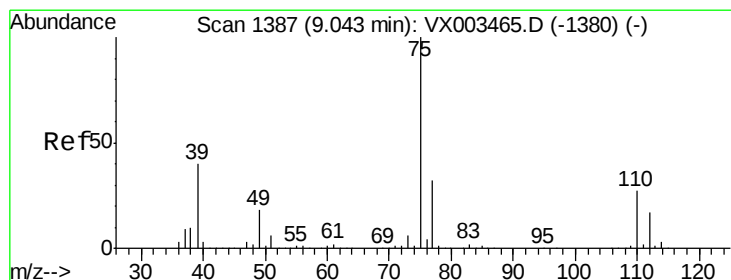
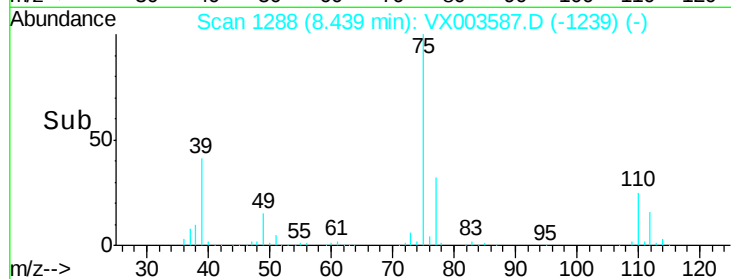
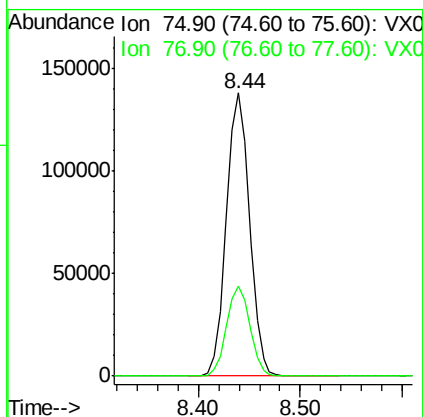
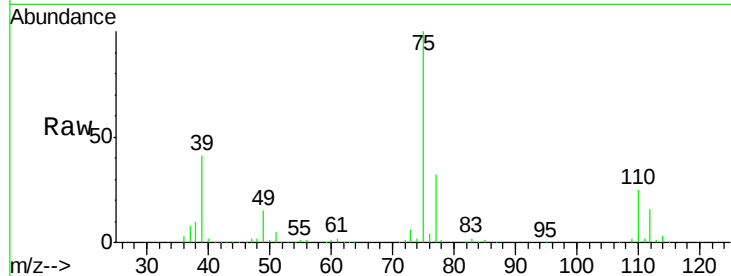




#53  
t-1,3-Dichloropropene  
Concen: 47.71 ug/l  
RT: 8.44 min Scan# 1288  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

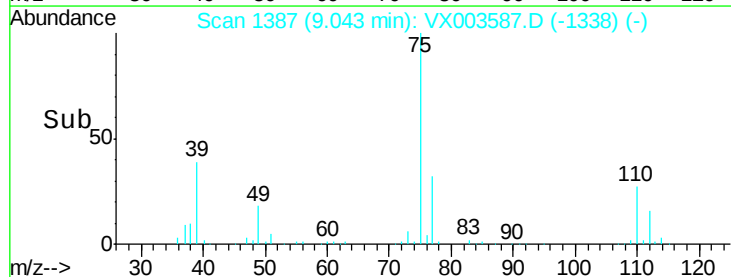
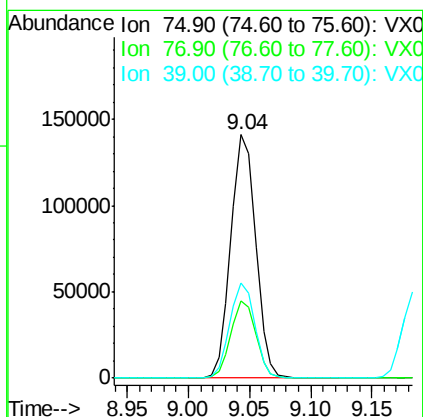
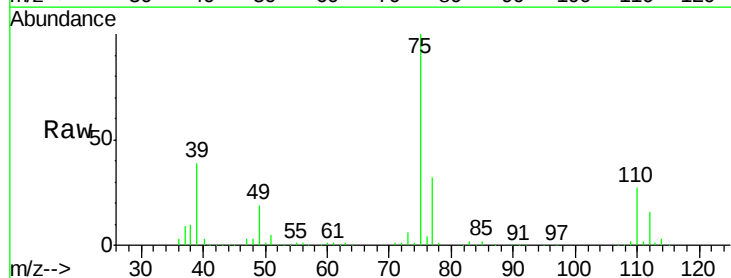
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

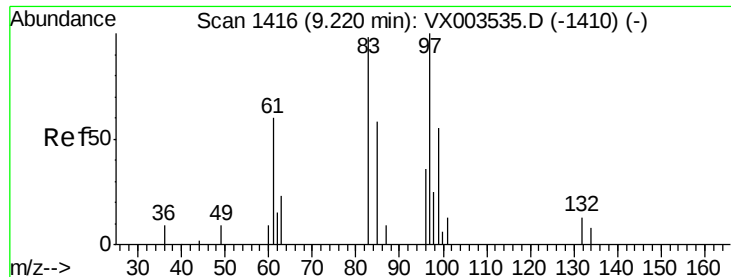
Tot Ion: 75 Resp: 217559  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 48.47 ug/l  
RT: 9.04 min Scan# 1387  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion: 75 Resp: 198776  
Ion Ratio Lower Upper  
75 100  
77 31.7 24.8 37.2  
39 39.1 42.4 63.6#

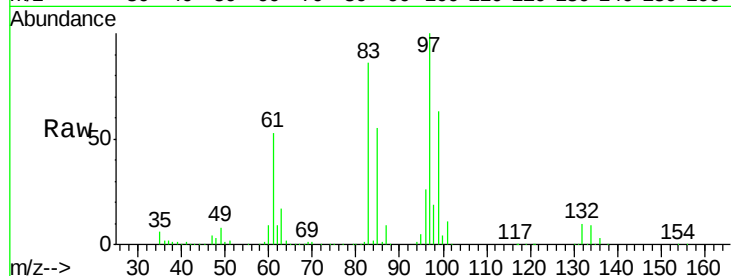




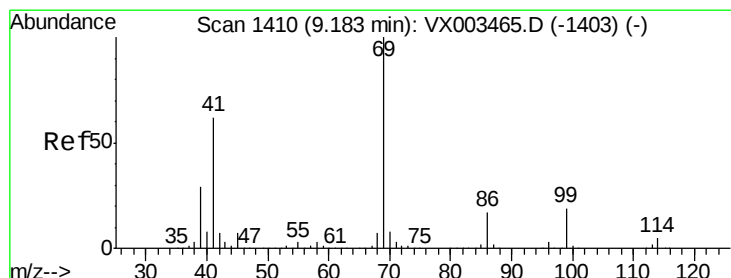
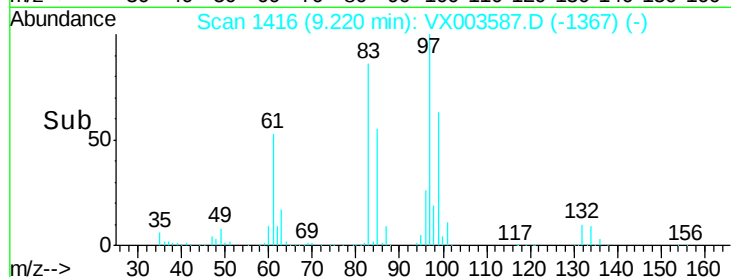
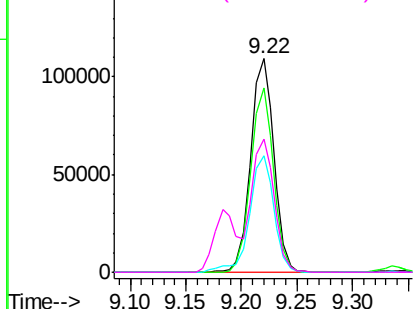
#55  
 1,1,2-Trichloroethane  
 Concen: 51.57 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY030LC068-W-180716MS

Tot Ion: 97 Resp: 159898  
 Ion Ratio Lower Upper  
 97 100  
 83 86.4 70.2 105.2  
 85 54.6 44.9 67.3  
 99 62.5 49.8 74.8

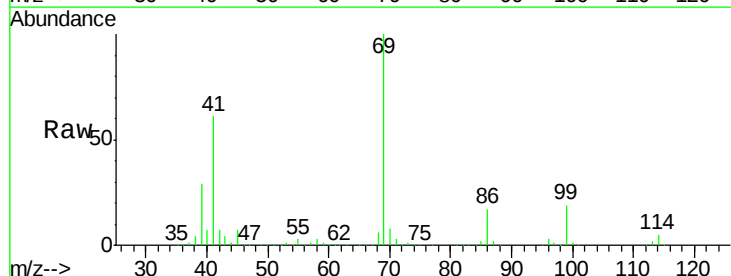


Abundance Ion 96.90 (96.60 to 97.60): VX0  
 Ion 82.90 (82.60 to 83.60): VX0  
 Ion 84.90 (84.60 to 85.60): VX0  
 Ion 98.90 (98.60 to 99.60): VX0

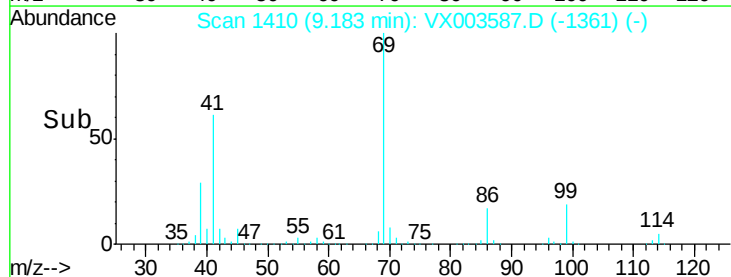
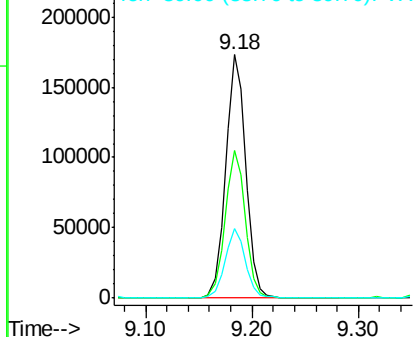


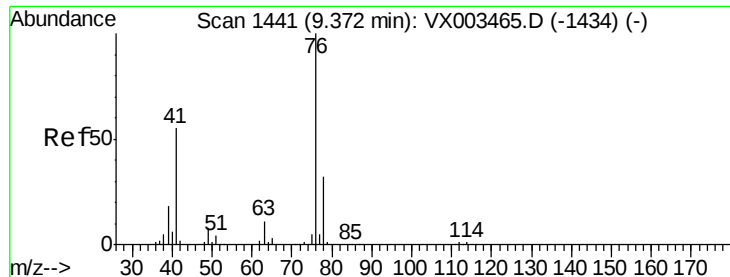
#56  
 Ethyl methacrylate  
 Concen: 52.29 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Tgt Ion: 69 Resp: 228377  
 Ion Ratio Lower Upper  
 69 100  
 41 60.9 60.3 90.5  
 39 28.9 35.8 53.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0  
 Ion 41.00 (40.70 to 41.70): VX0  
 Ion 39.00 (38.70 to 39.70): VX0

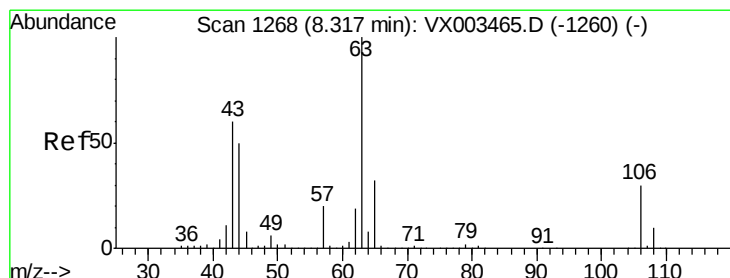
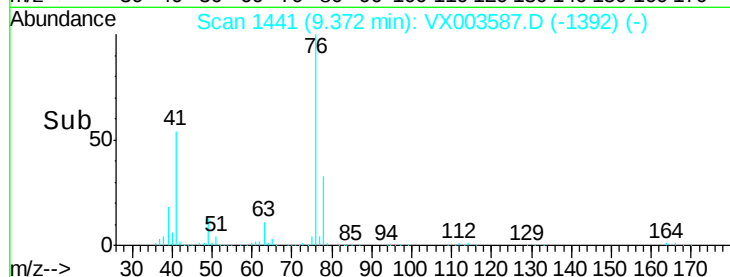
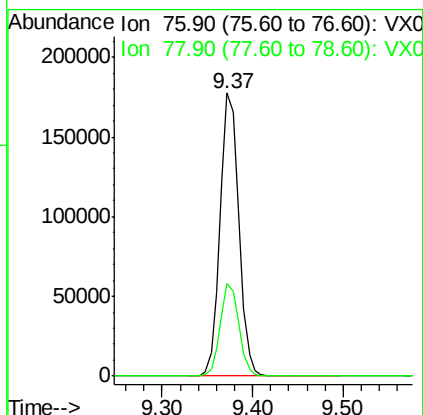
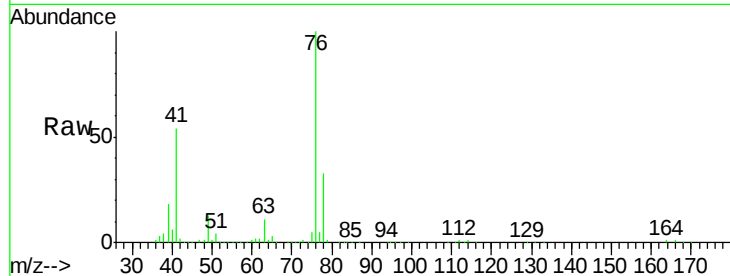




#57  
 1,3-Dichloropropane  
 Concen: 51.24 ug/l  
 RT: 9.37 min Scan# 1441  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

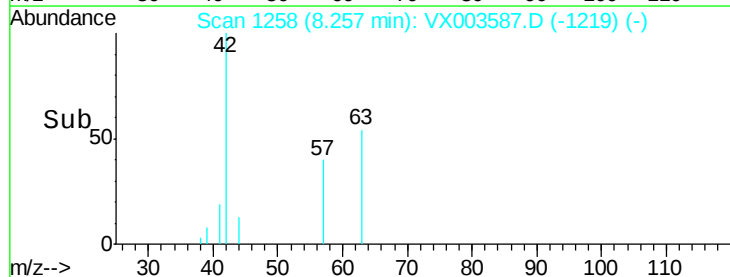
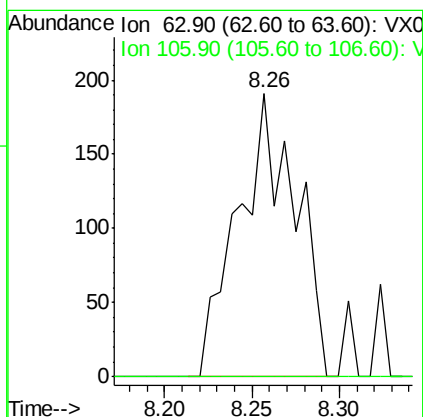
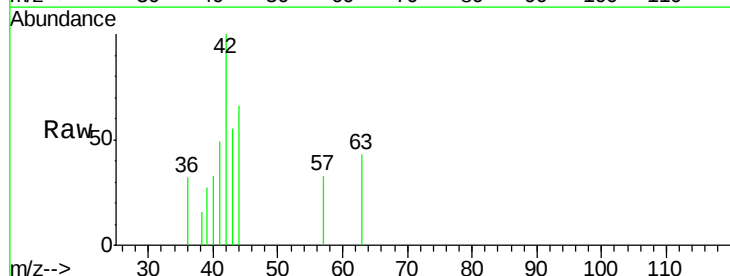
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY030LC068-W-180716MS

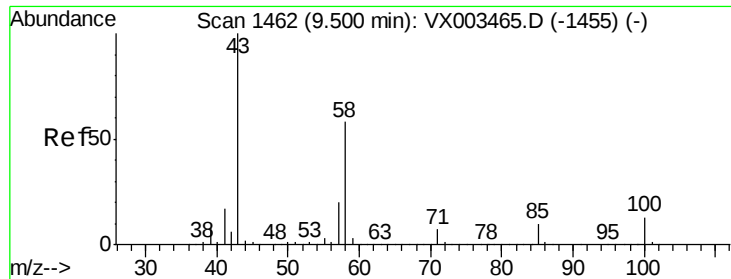
Tot Ion: 76 Resp: 256850  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 25.8 38.6



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 0.21 ug/l  
 RT: 8.26 min Scan# 1258  
 Delta R.T. -0.06 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Tgt Ion: 63 Resp: 439  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 21.8 32.8#

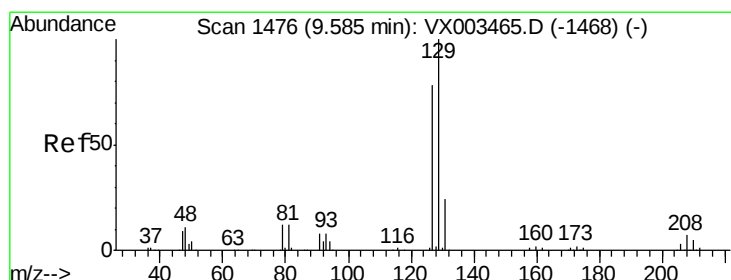
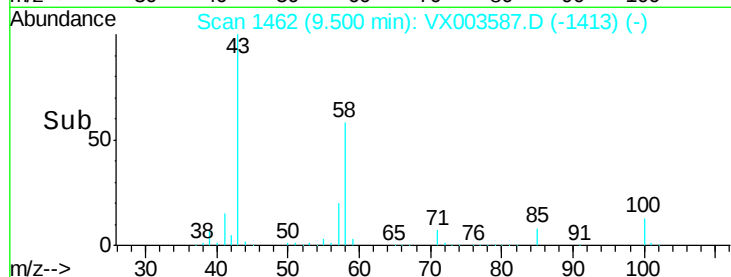
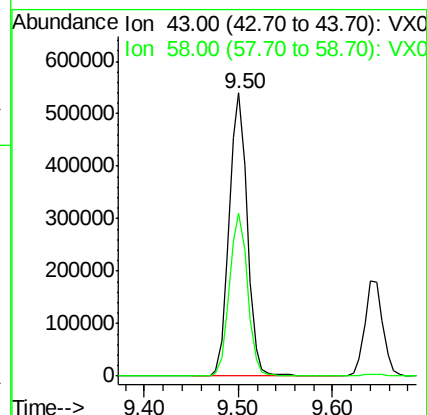
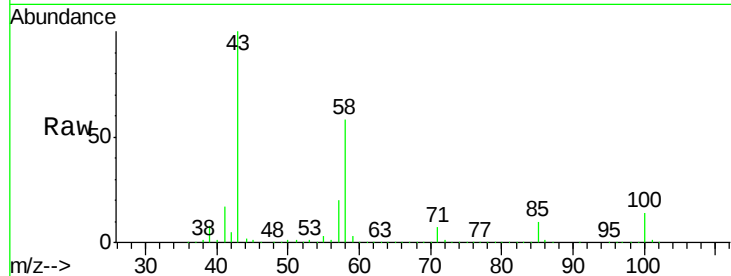




#59  
2-Hexanone  
Concen: 249.62 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

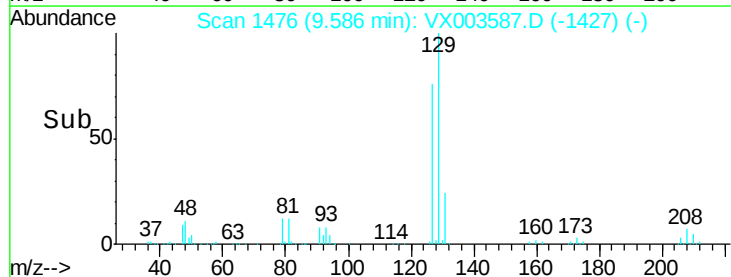
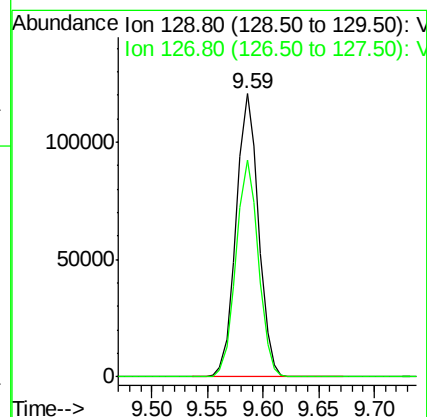
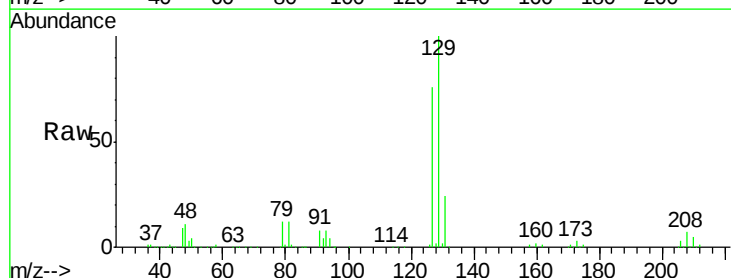
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

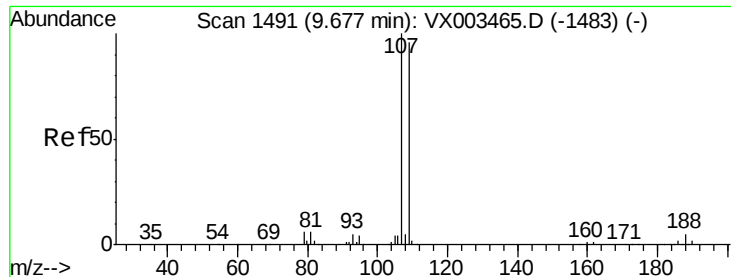
Tot Ion: 43 Resp: 721135  
Ion Ratio Lower Upper  
43 100  
58 57.8 24.6 73.6



#60  
Dibromochloromethane  
Concen: 54.79 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion:129 Resp: 168154  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.60 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

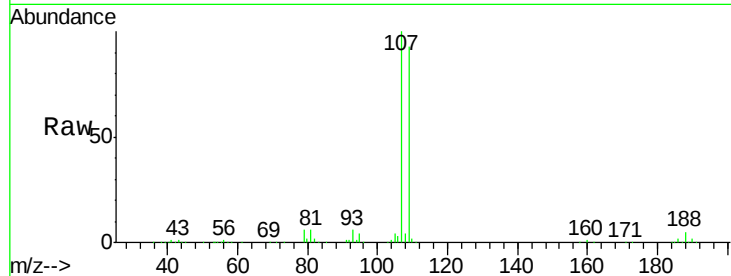
KY030LC068-W-180716MS

Tot Ion:107 Resp: 165857

Ion Ratio Lower Upper

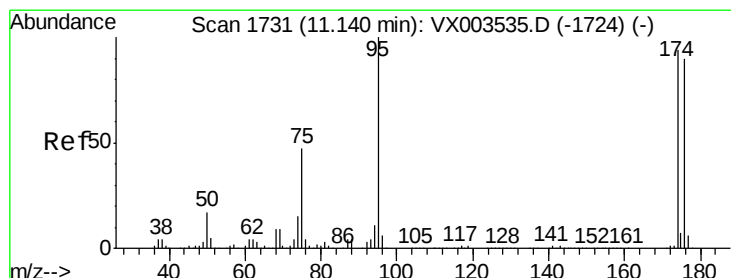
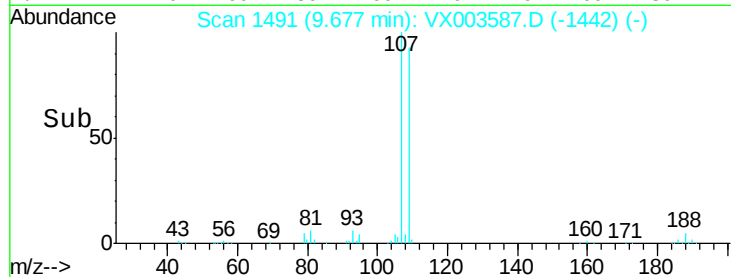
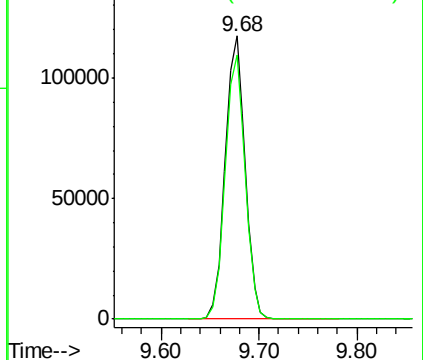
107 100

109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

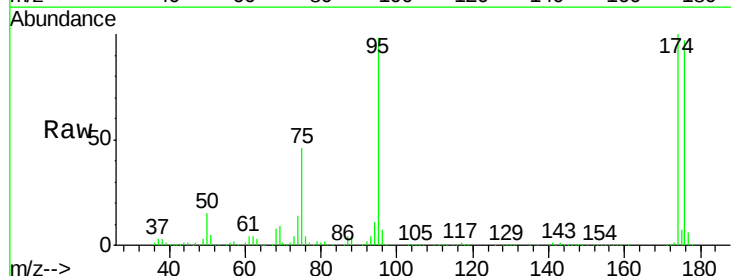
Tgt Ion: 95 Resp: 202531

Ion Ratio Lower Upper

95 100

174 100.3 0.0 187.4

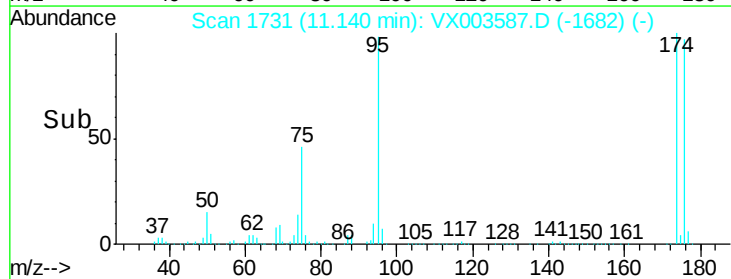
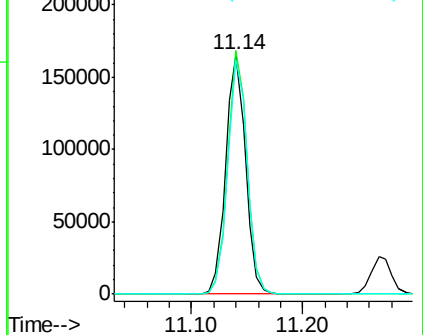
176 97.3 0.0 181.0

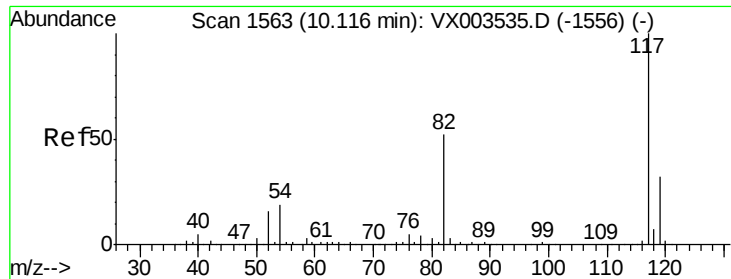


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

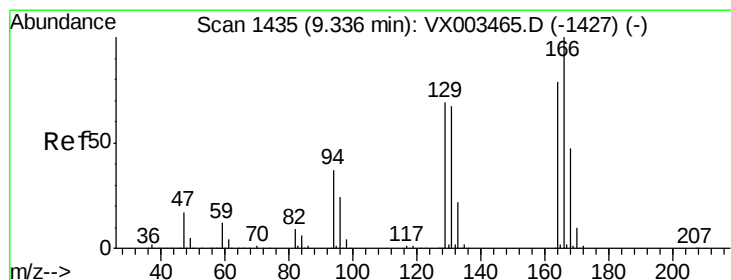
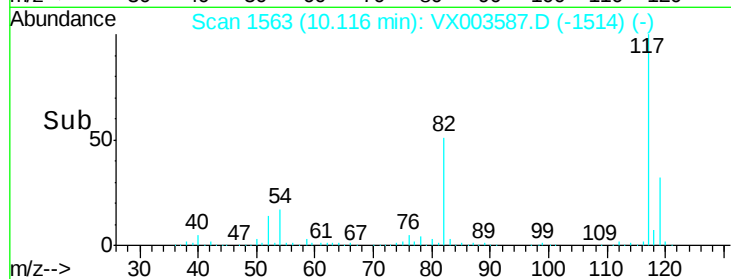
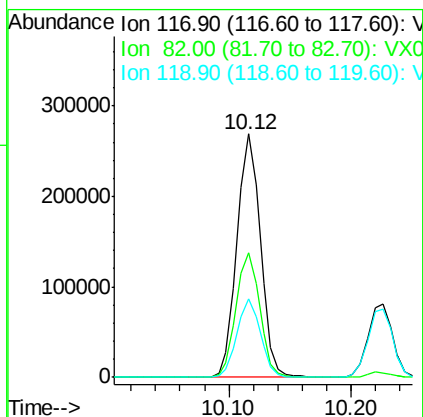
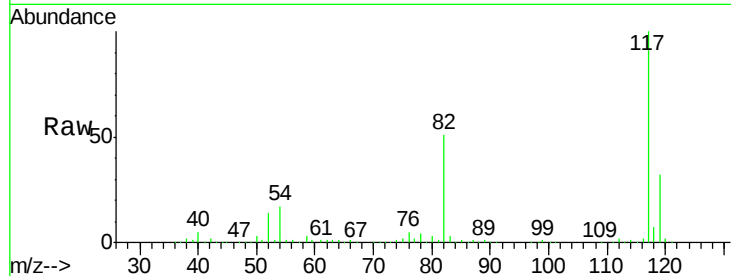




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

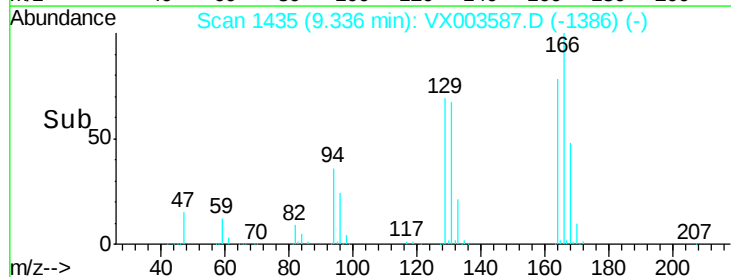
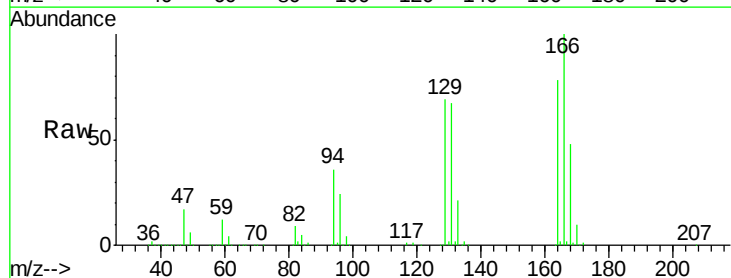
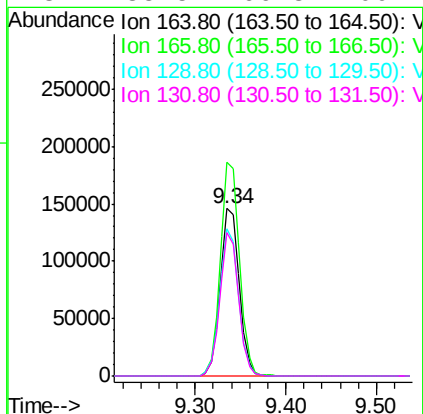
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

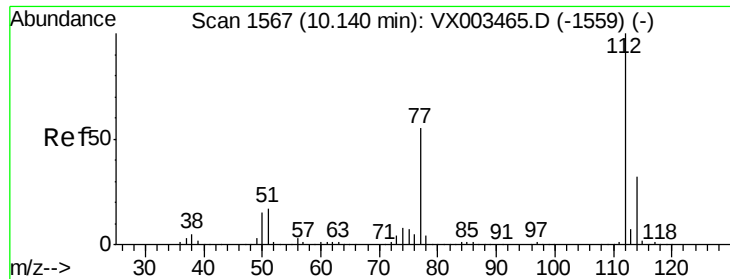
Tot Ion:117 Resp: 357581  
Ion Ratio Lower Upper  
117 100  
82 51.1 45.0 67.4  
119 32.4 25.8 38.6



#64  
Tetrachloroethene  
Concen: 49.09 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion:164 Resp: 213888  
Ion Ratio Lower Upper  
164 100  
166 127.7 102.9 154.3  
129 87.7 68.6 102.8  
131 85.5 66.8 100.2





#65

Chlorobenzene

Concen: 49.00 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

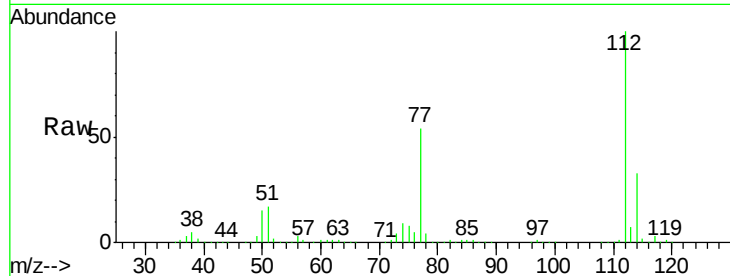
KY030LC068-W-180716MS

Tot Ion:112 Resp: 451414

Ion Ratio Lower Upper

112 100

114 32.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

300000

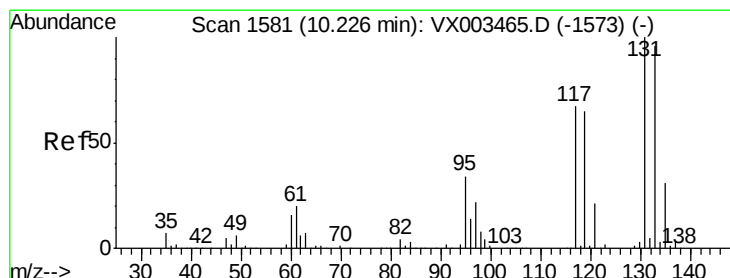
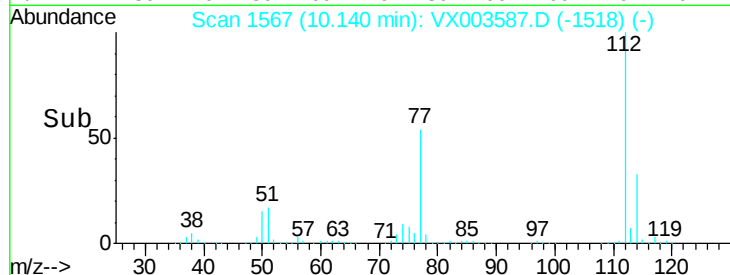
200000

100000

0

Time-->

10.00 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 52.36 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

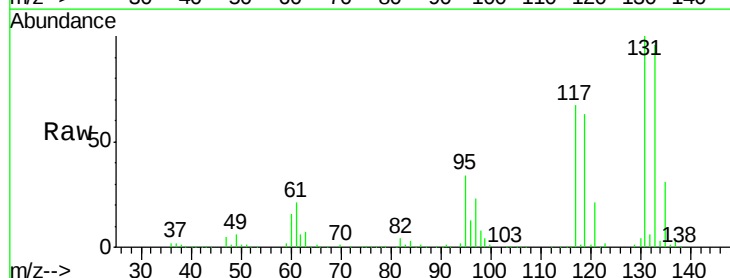
Tgt Ion:131 Resp: 165975

Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.6

119 64.2 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

150000

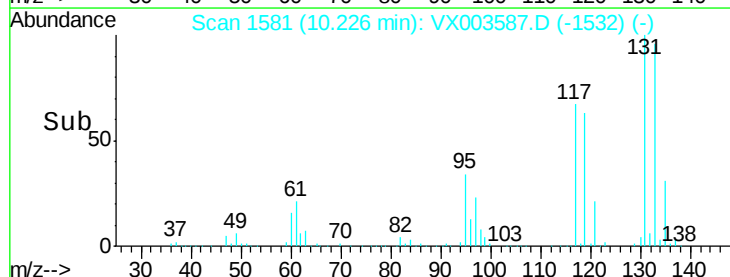
100000

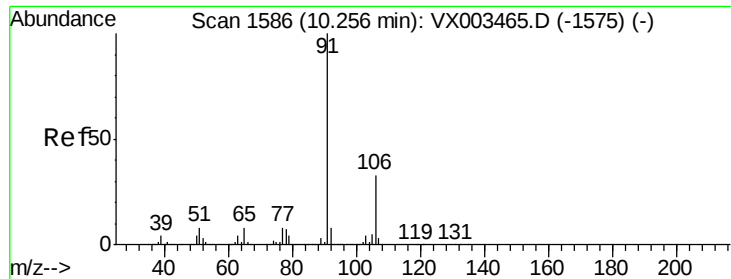
50000

0

Time-->

10.15 10.20 10.25 10.30

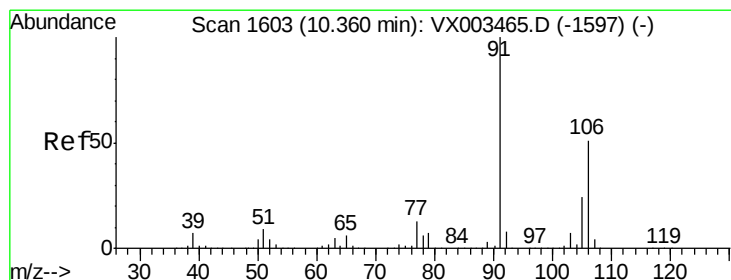
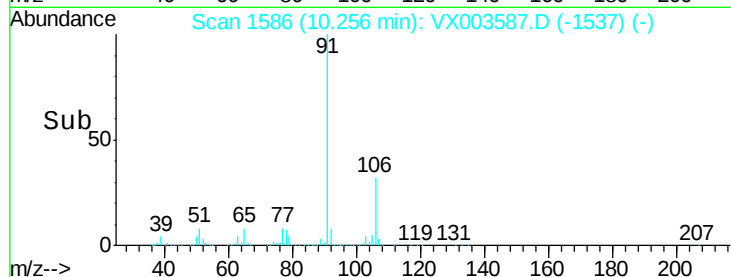
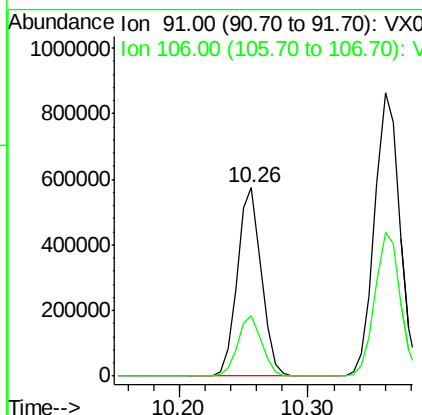
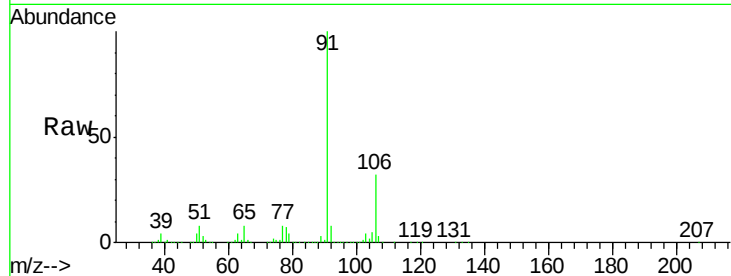




#67  
Ethyl Benzene  
Concen: 50.29 ug/l  
RT: 10.26 min Scan# 1586  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

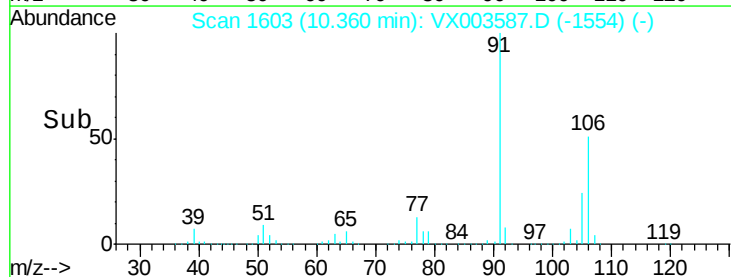
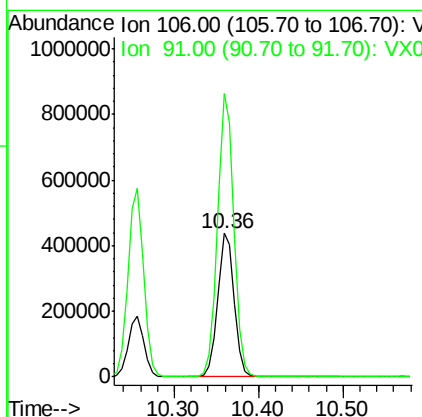
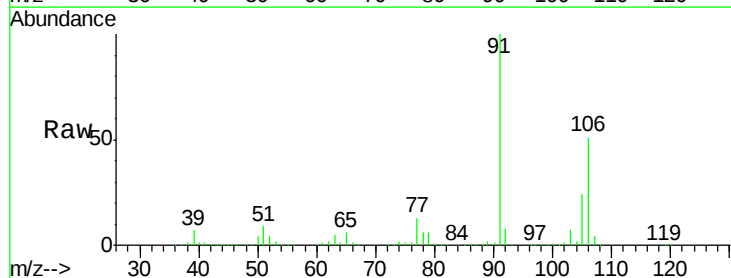
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

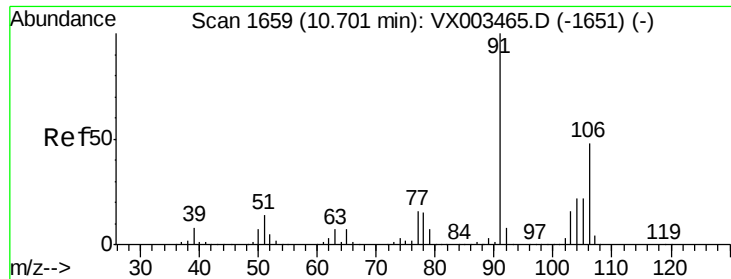
Tot Ion: 91 Resp: 744929  
Ion Ratio Lower Upper  
91 100  
106 32.4 25.5 38.3



#68  
m/p-Xylenes  
Concen: 101.39 ug/l  
RT: 10.36 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion: 106 Resp: 588794  
Ion Ratio Lower Upper  
106 100  
91 196.9 163.4 245.2

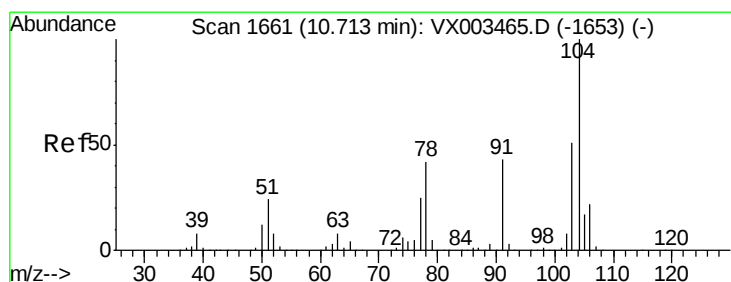
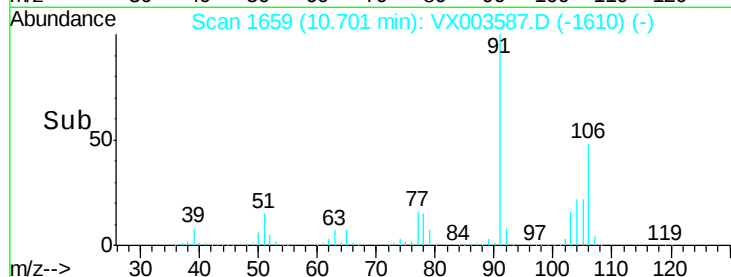
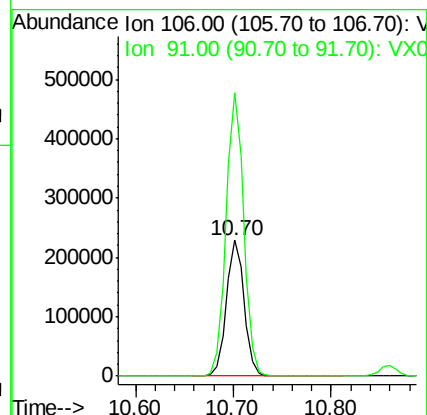
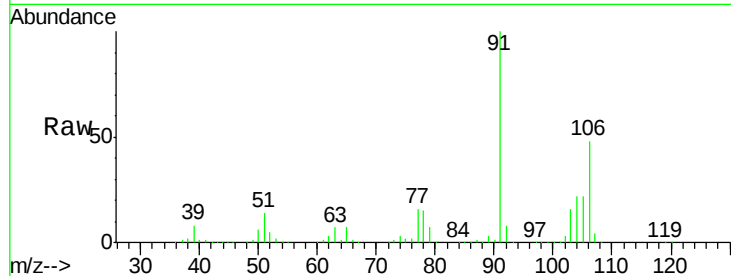




#69  
o-Xylene  
Concen: 50.97 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

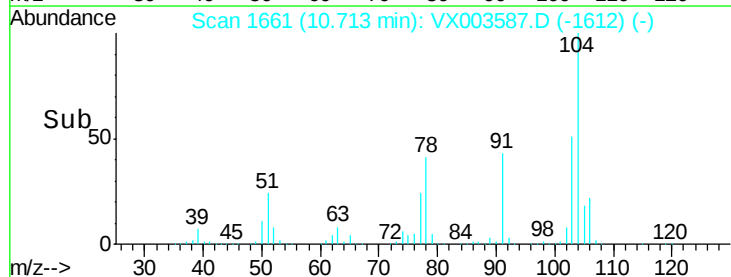
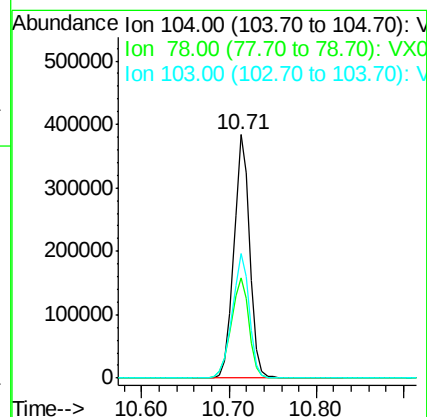
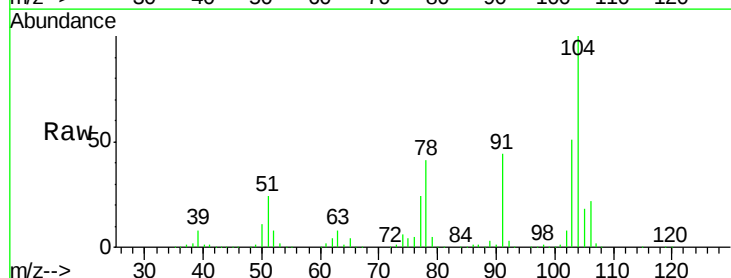
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

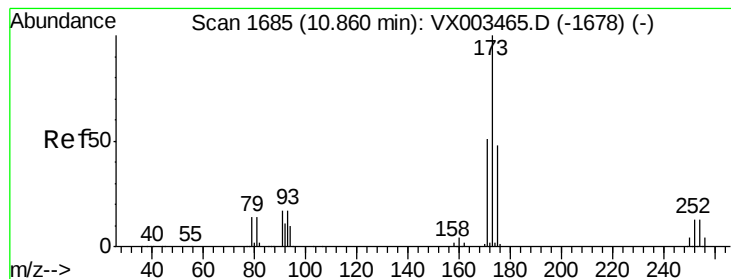
Tot Ion:106 Resp: 286226  
Ion Ratio Lower Upper  
106 100  
91 208.7 108.2 324.6



#70  
Styrene  
Concen: 52.37 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion:104 Resp: 483776  
Ion Ratio Lower Upper  
104 100  
78 46.2 41.0 61.6  
103 55.2 44.2 66.4





#71

Bromoform

Concen: 53.78 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

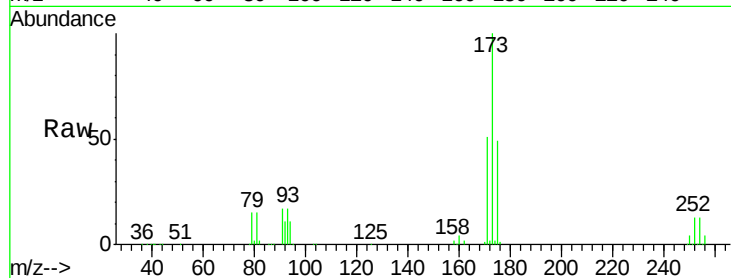
Tot Ion:173 Resp: 132457

Ion Ratio Lower Upper

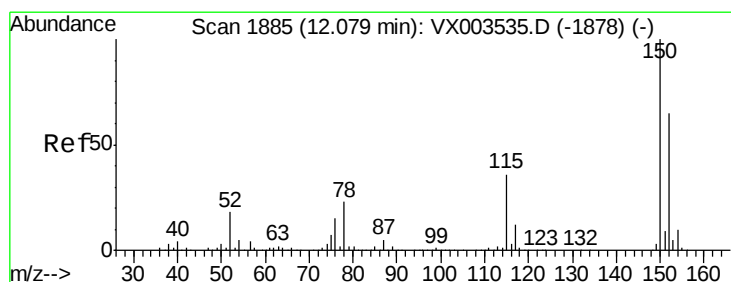
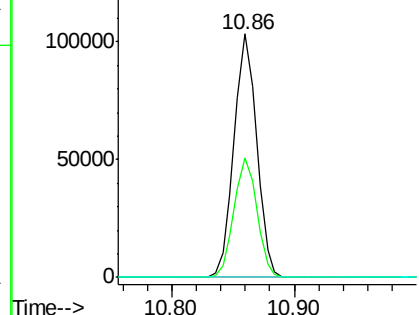
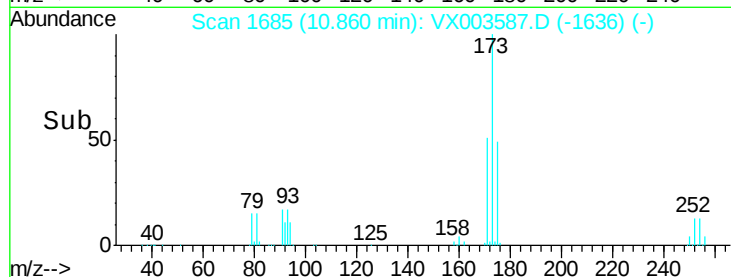
173 100

175 49.5 24.7 74.1

254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

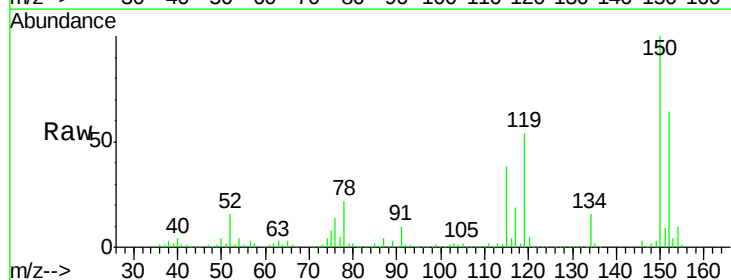
Tgt Ion:152 Resp: 216801

Ion Ratio Lower Upper

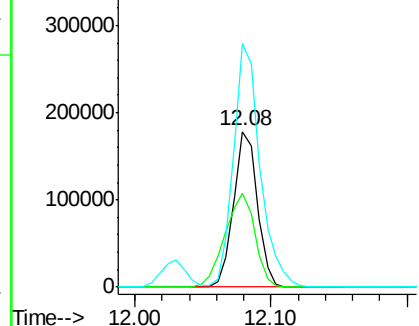
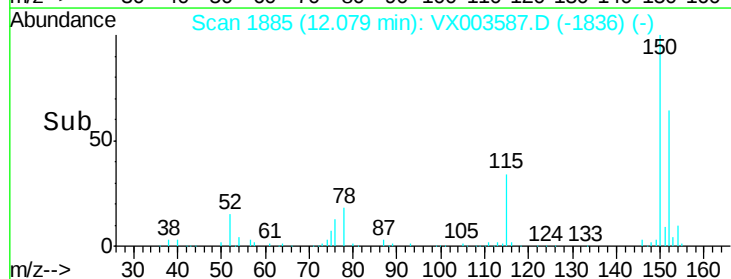
152 100

115 75.7 40.1 120.2

150 175.2 0.0 347.2



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: 50.77 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

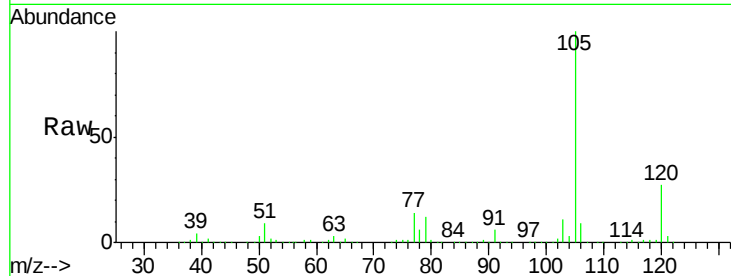
KY030LC068-W-180716MS

Tot Ion:105 Resp: 761259

Ion Ratio Lower Upper

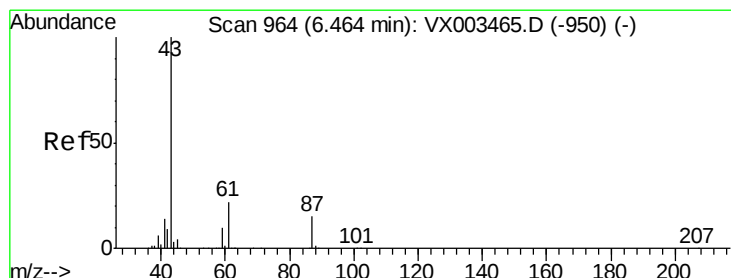
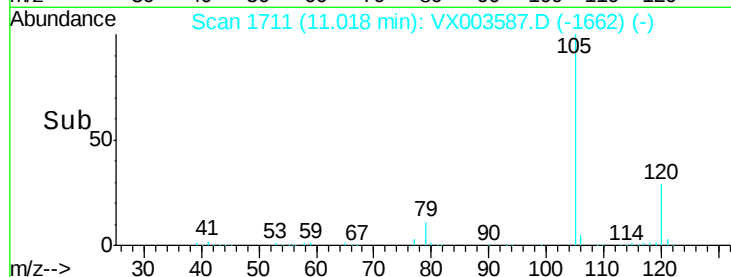
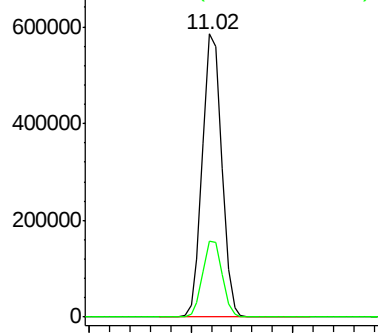
105 100

120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.02 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Tgt Ion: 43 Resp: 286637

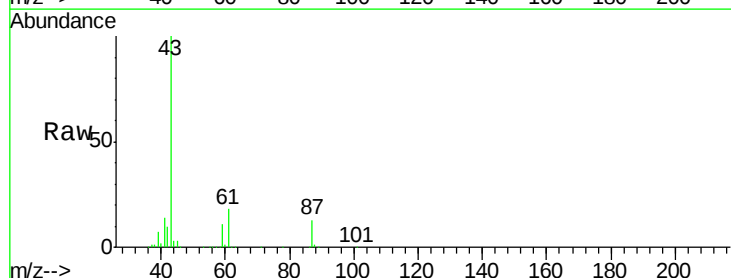
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 21.5 14.4 21.6

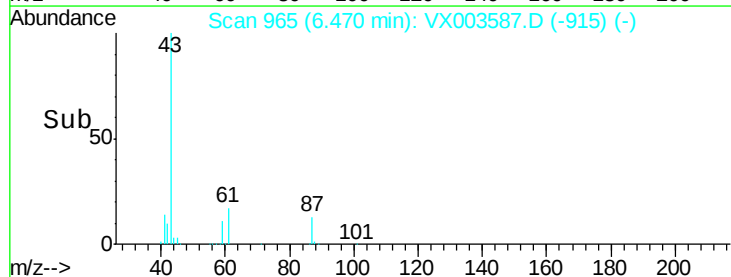
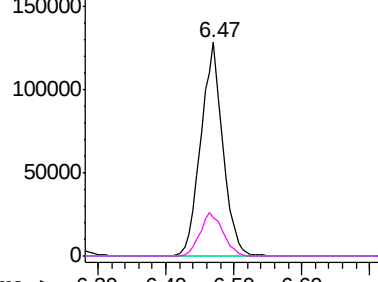


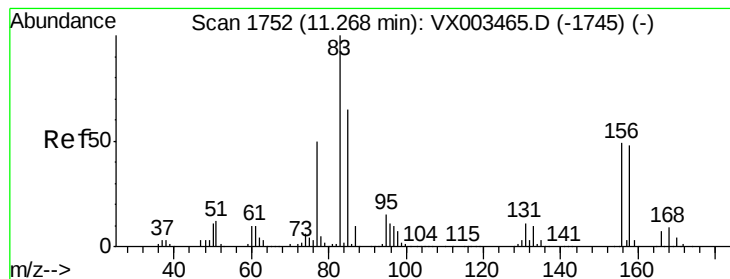
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.95 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

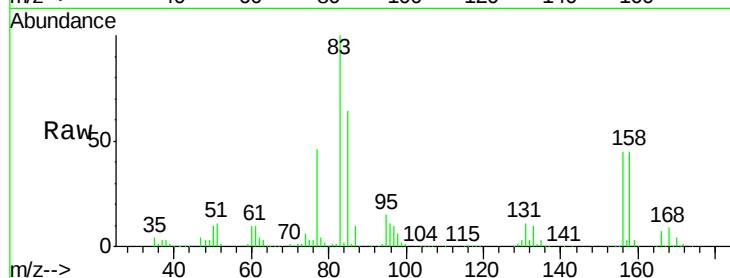
Tot Ion: 83 Resp: 219490

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

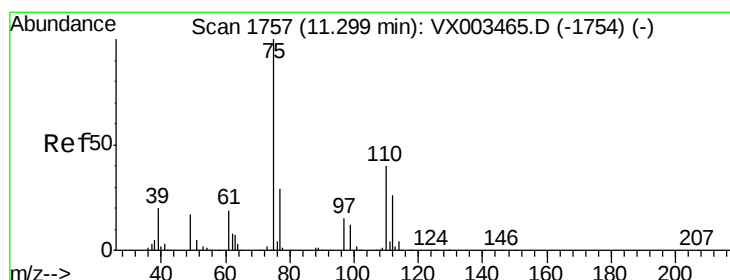
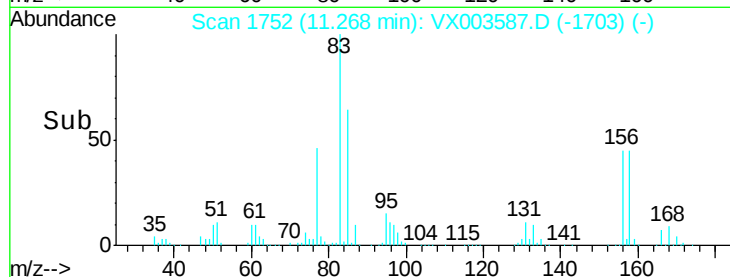
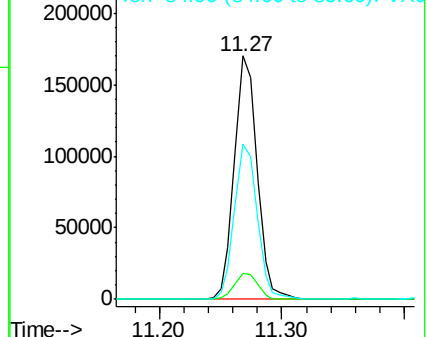
85 64.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 62.60 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003587.D

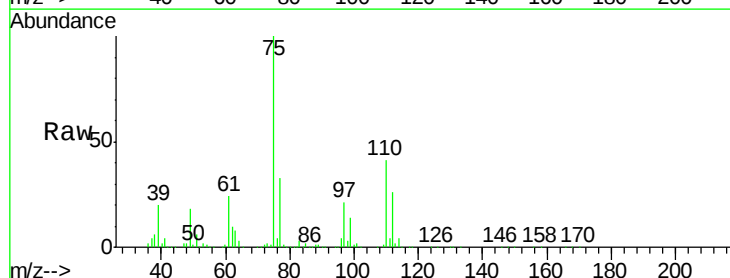
Acq: 22 Jul 2018 06:47

Tgt Ion: 75 Resp: 243797

Ion Ratio Lower Upper

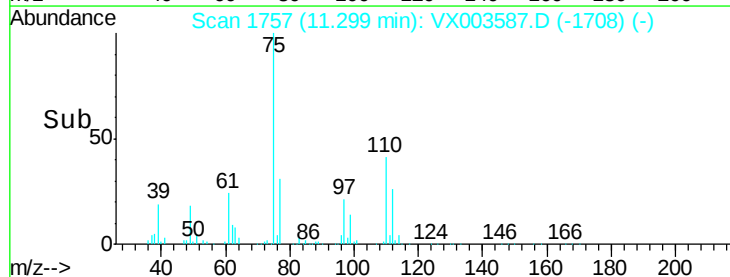
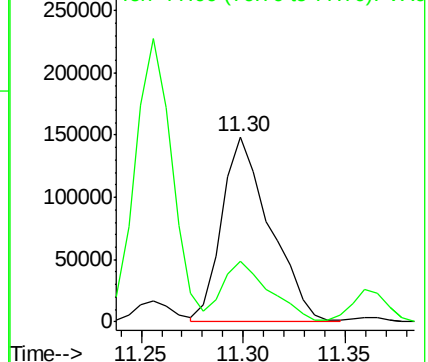
75 100

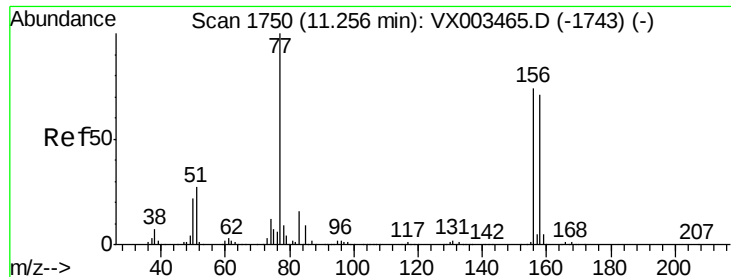
77 32.2 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.81 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

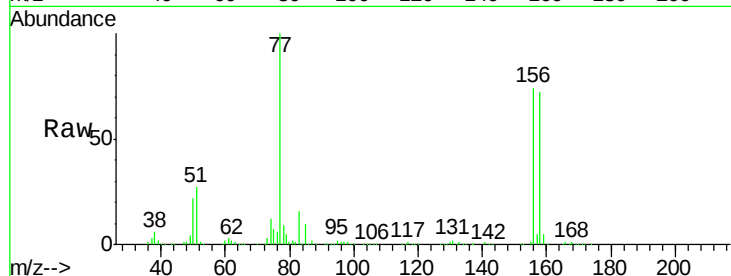
Tot Ion:156 Resp: 214812

Ion Ratio Lower Upper

156 100

77 132.9 71.4 214.2

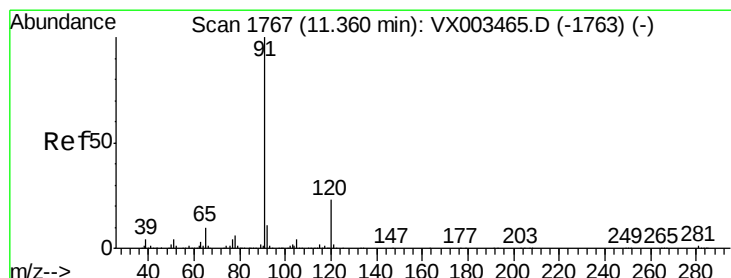
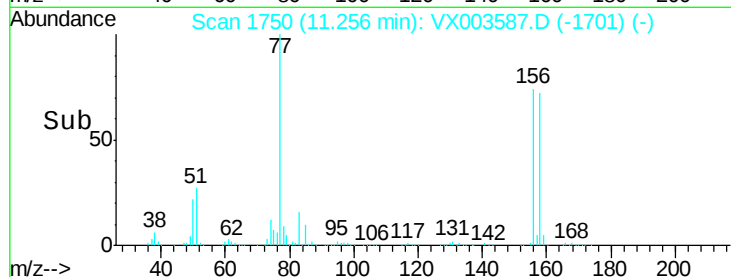
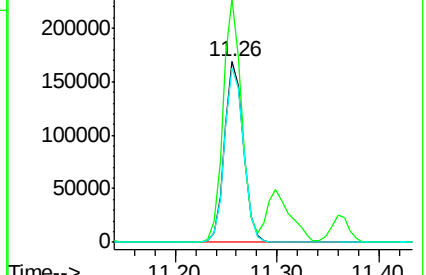
158 98.1 48.9 146.6



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: 50.52 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003587.D

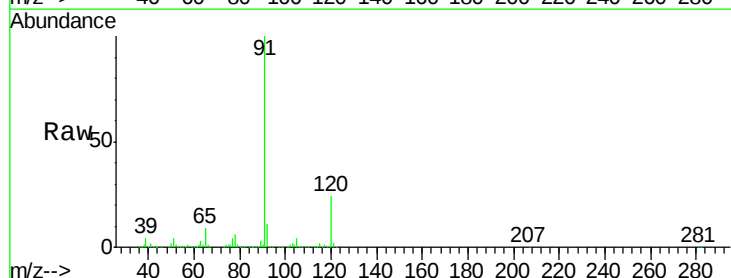
Acq: 22 Jul 2018 06:47

Tgt Ion: 91 Resp: 842075

Ion Ratio Lower Upper

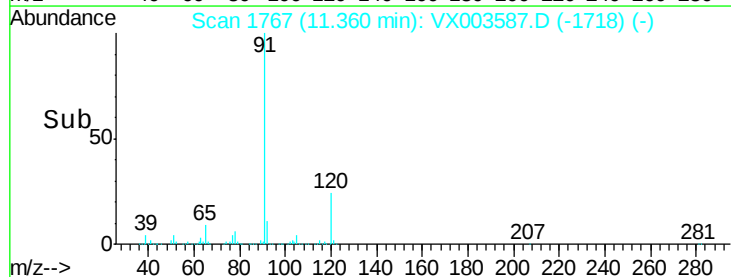
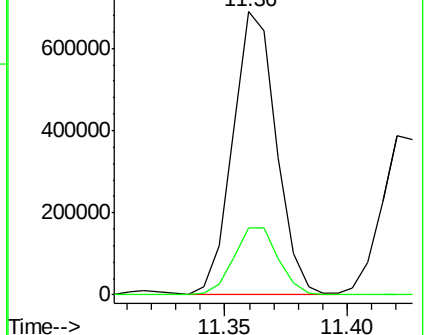
91 100

120 24.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.12 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

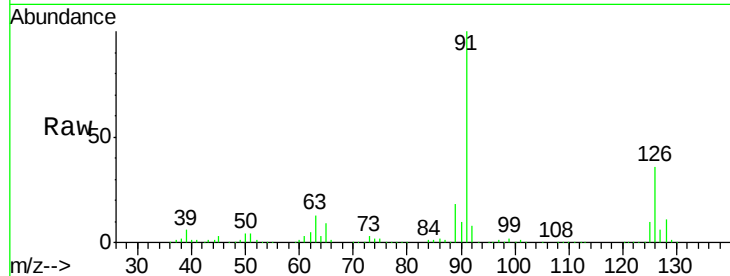
KY030LC068-W-180716MS

Tot Ion: 91 Resp: 507135

Ion Ratio Lower Upper

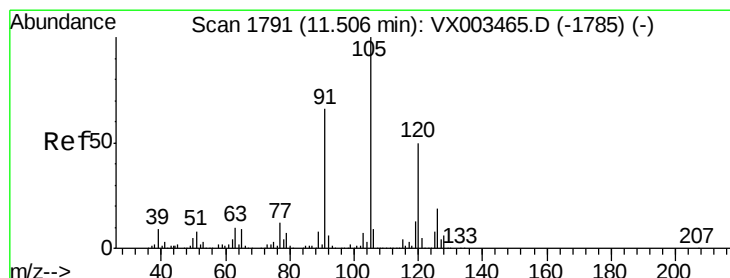
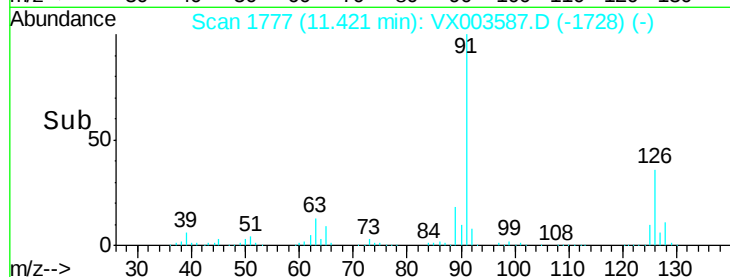
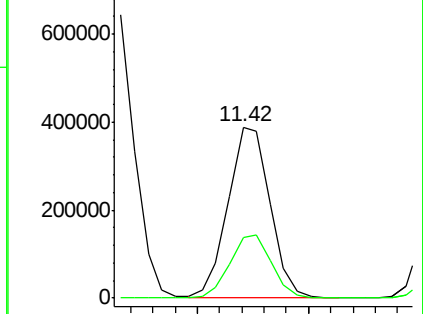
91 100

126 36.7 17.7 53.1



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: 51.26 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003587.D

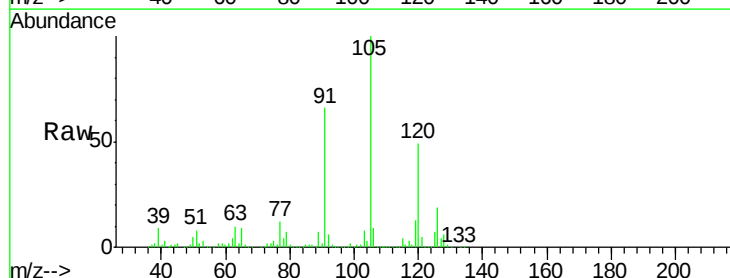
Acq: 22 Jul 2018 06:47

Tgt Ion:105 Resp: 631635

Ion Ratio Lower Upper

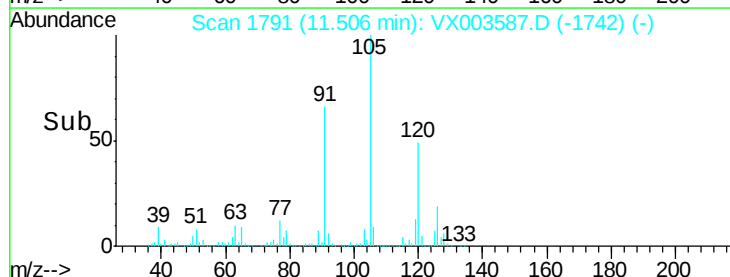
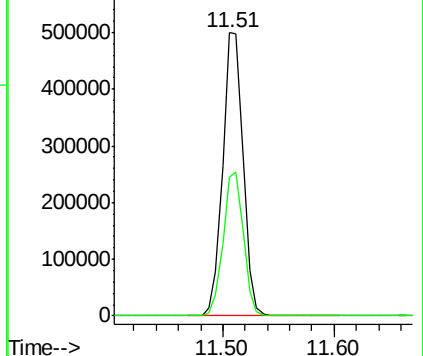
105 100

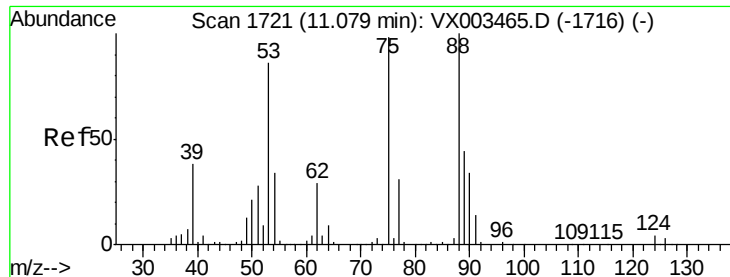
120 50.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

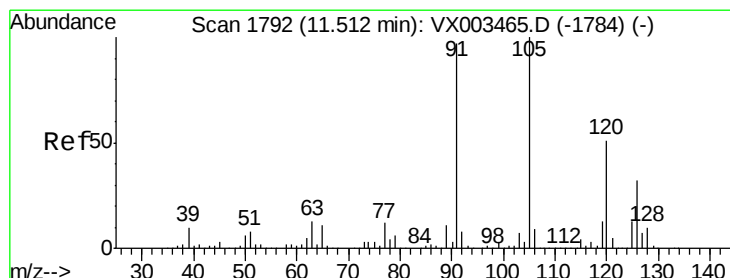
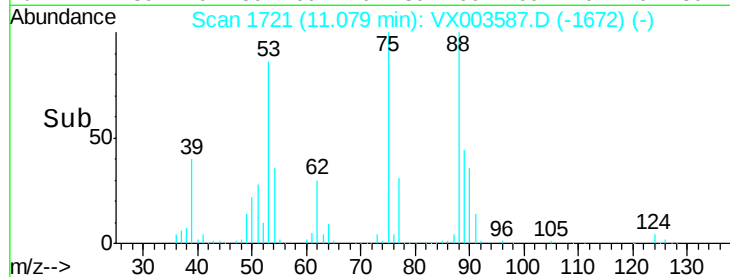
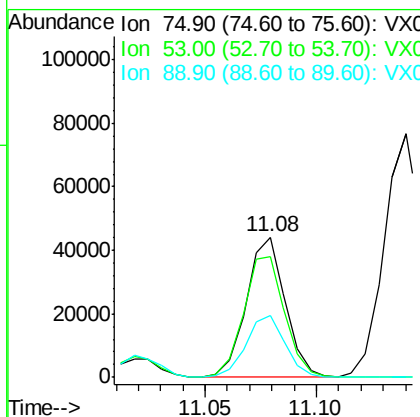
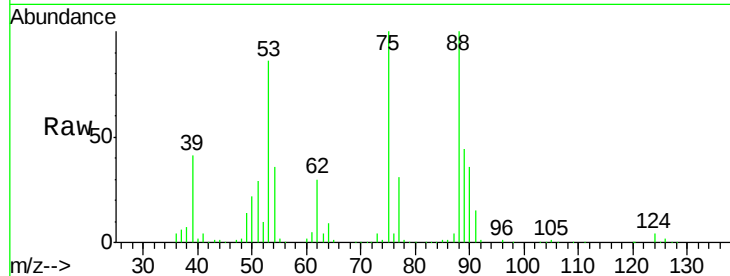




#81  
trans-1,4-Dichloro-2-butene  
Concen: 39.58 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

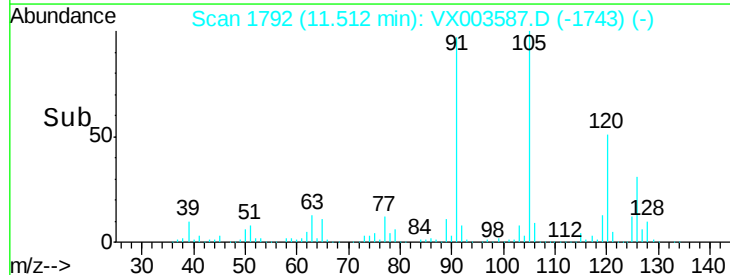
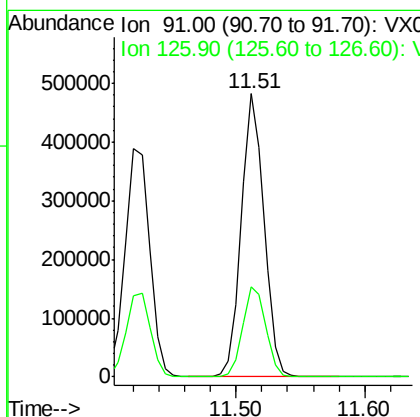
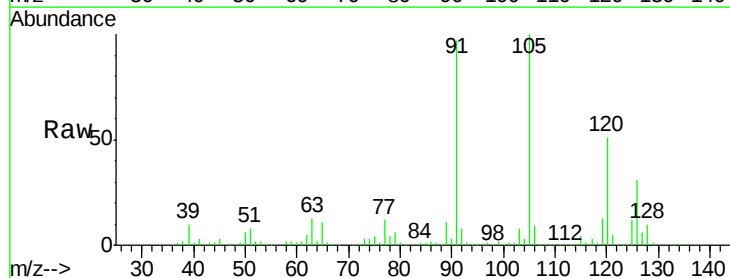
Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

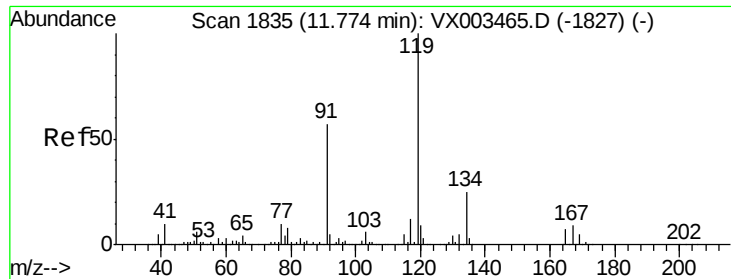
Tot Ion: 75 Resp: 53566  
Ion Ratio Lower Upper  
75 100  
53 90.6 86.8 130.2  
89 45.1 38.2 57.2



#82  
4-Chlorotoluene  
Concen: 49.53 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion: 91 Resp: 587200  
Ion Ratio Lower Upper  
91 100  
126 32.4 15.4 46.4





#83

tert-Butylbenzene

Concen: 51.25 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

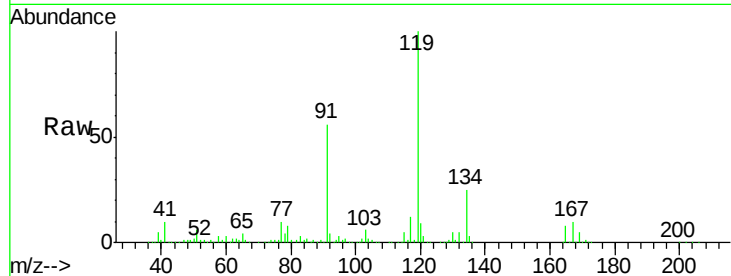
Tot Ion:119 Resp: 618459

Ion Ratio Lower Upper

119 100

91 54.6 30.3 90.9

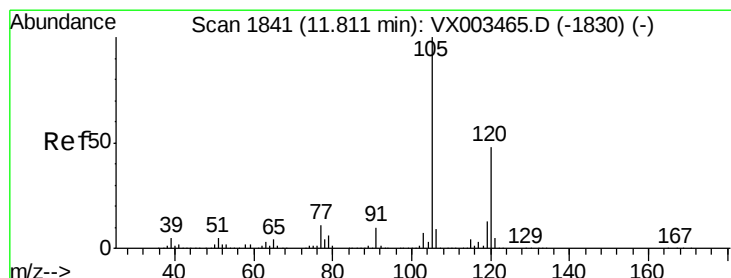
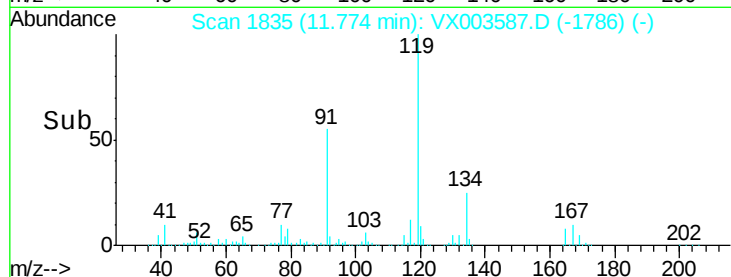
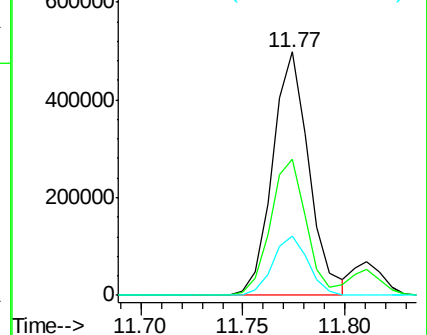
134 23.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.63 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003587.D

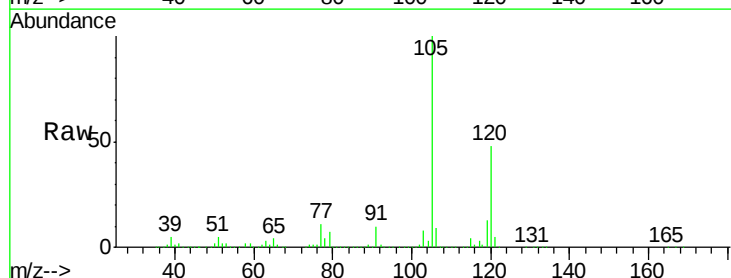
Acq: 22 Jul 2018 06:47

Tgt Ion:105 Resp: 647329

Ion Ratio Lower Upper

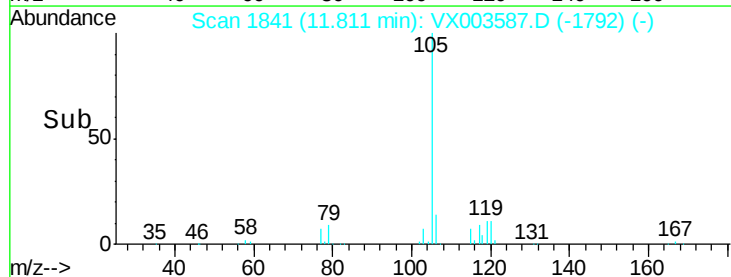
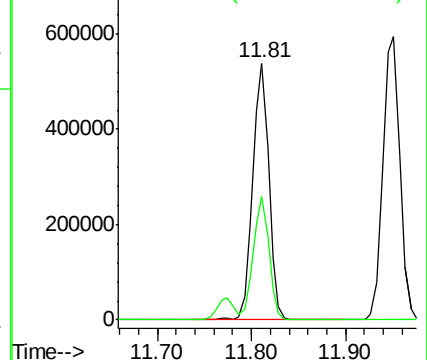
105 100

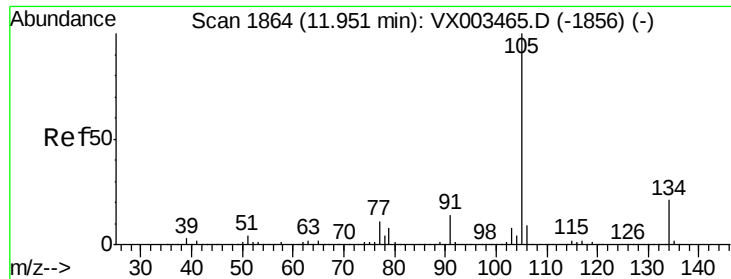
120 46.6 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.26 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

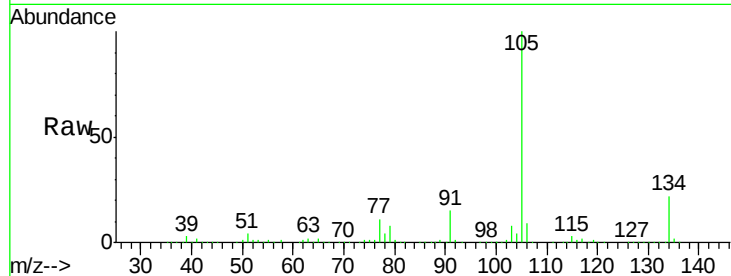
KY030LC068-W-180716MS

Tot Ion:105 Resp: 736639

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

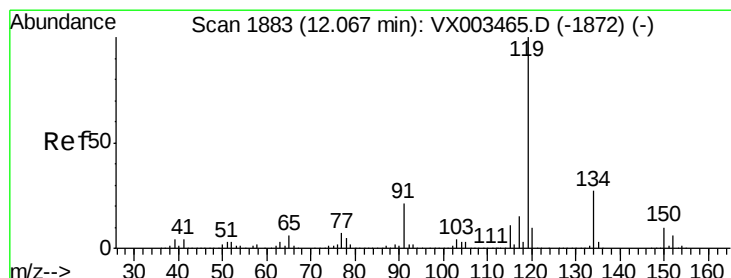
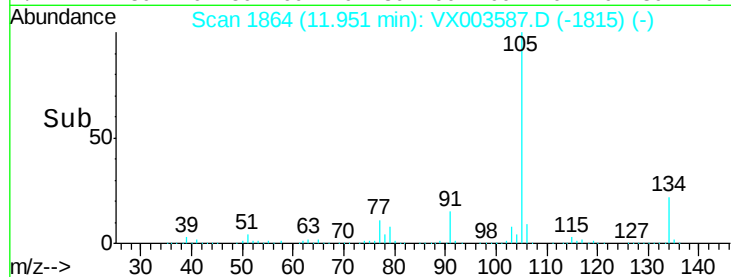
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.39 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

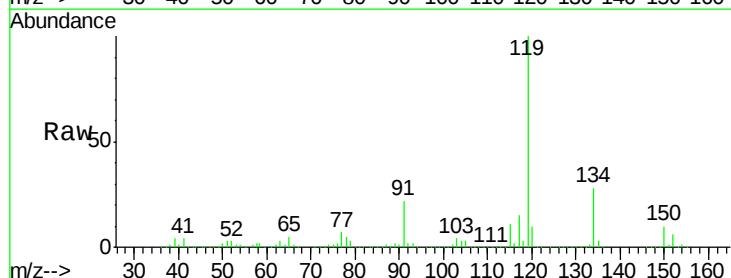
Tgt Ion:119 Resp: 662914

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 21.5 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

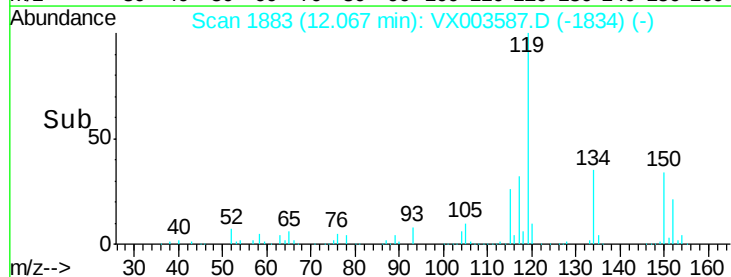
600000

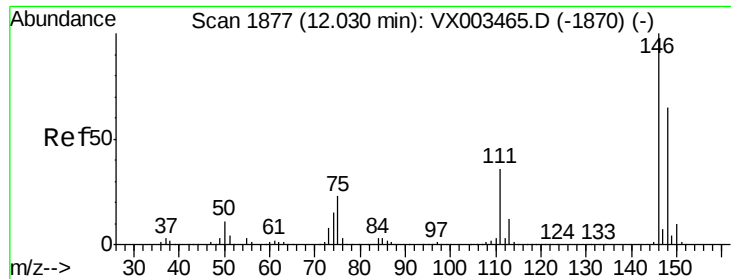
400000

200000

0

Time-->

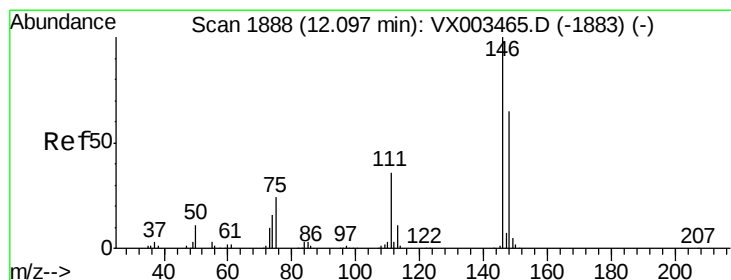
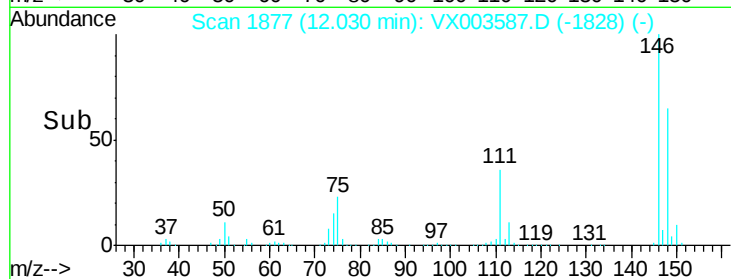
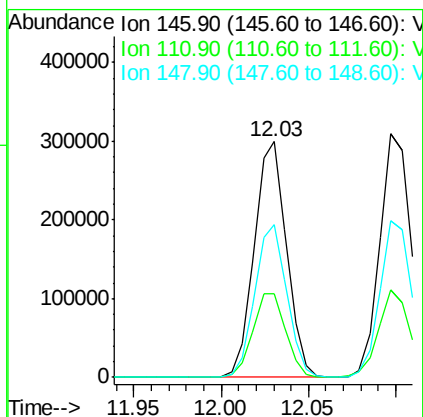
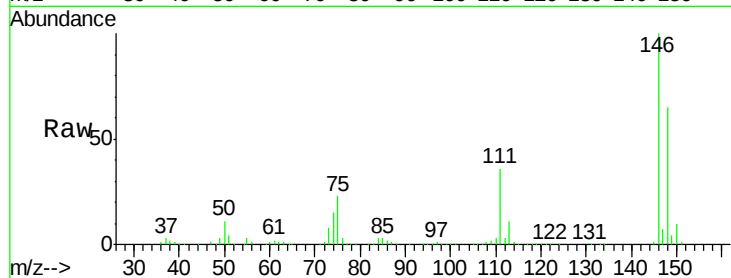




#87  
 1,3-Dichlorobenzene  
 Concen: 48.41 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

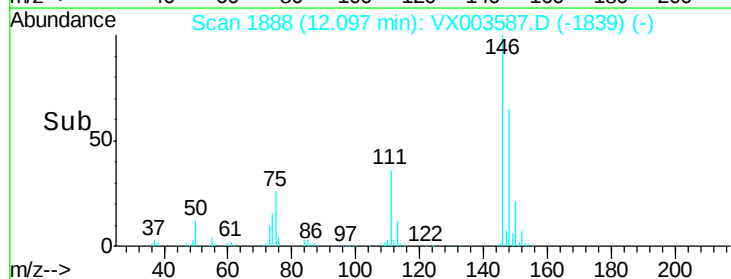
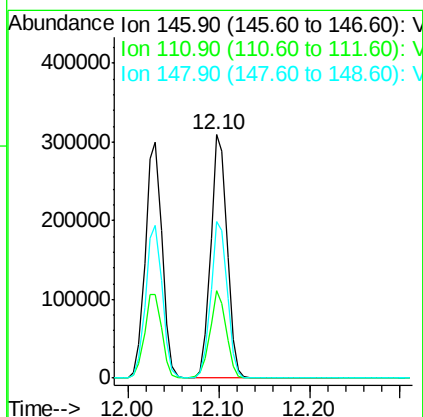
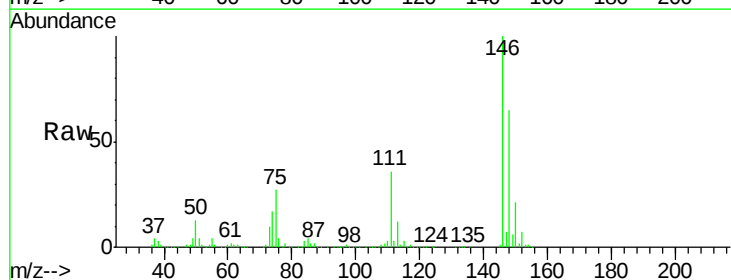
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY030LC068-W-180716MS

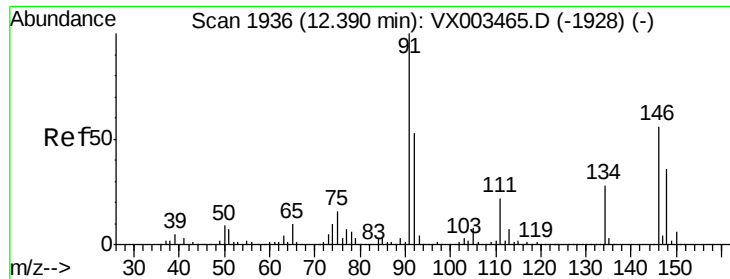
Tot Ion:146 Resp: 383733  
 Ion Ratio Lower Upper  
 146 100  
 111 36.4 18.9 56.7  
 148 64.3 32.1 96.3



#88  
 1,4-Dichlorobenzene  
 Concen: 47.34 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Tgt Ion:146 Resp: 386615  
 Ion Ratio Lower Upper  
 146 100  
 111 35.4 18.7 56.1  
 148 64.8 32.4 97.0





#89

n-Butylbenzene

Concen: 47.50 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

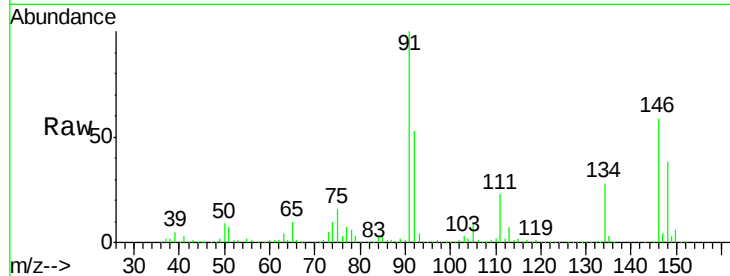
Tot Ion: 91 Resp: 530572

Ion Ratio Lower Upper

91 100

92 52.9 26.0 78.0

134 28.3 13.5 40.5

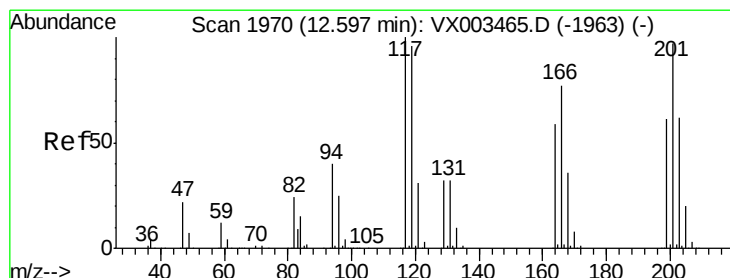
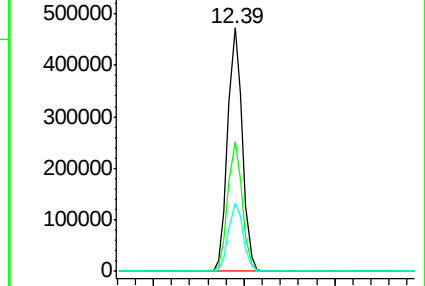
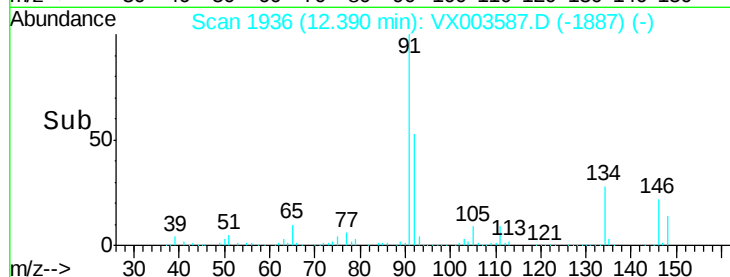


Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1928) (-)

Ion 92.00 (91.70 to 92.70): VX003465.D (-1928) (-)

Ion 134.00 (133.70 to 134.70): VX003465.D (-1928) (-)

Time-->



#90

Hexachloroethane

Concen: 51.75 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003587.D

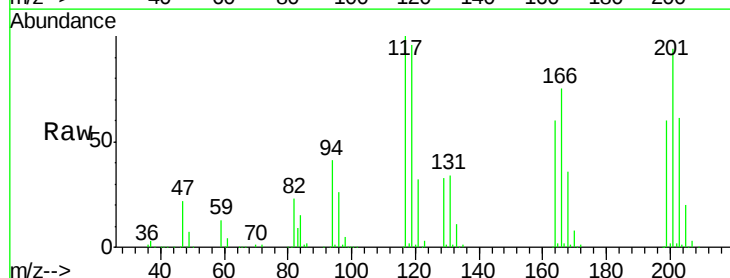
Acq: 22 Jul 2018 06:47

Tgt Ion: 117 Resp: 96779

Ion Ratio Lower Upper

117 100

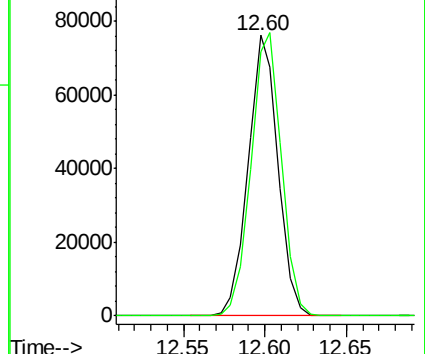
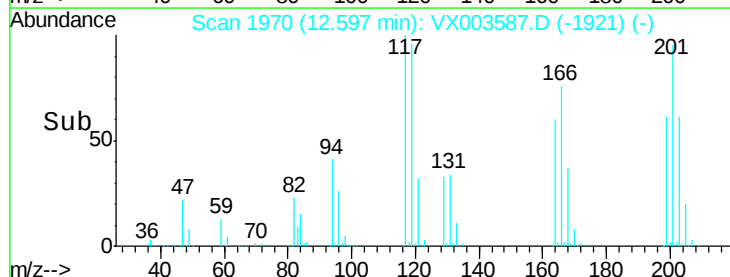
201 102.6 49.0 147.0

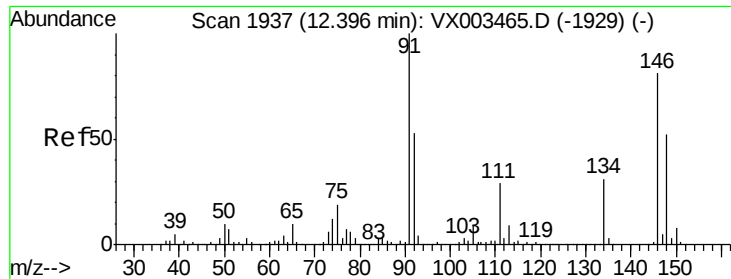


Abundance Ion 116.80 (116.50 to 117.50): VX003465.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX003465.D (-1963) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 49.90 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

Instrument :

MSVOA\_X

ClientSampleId :

KY030LC068-W-180716MS

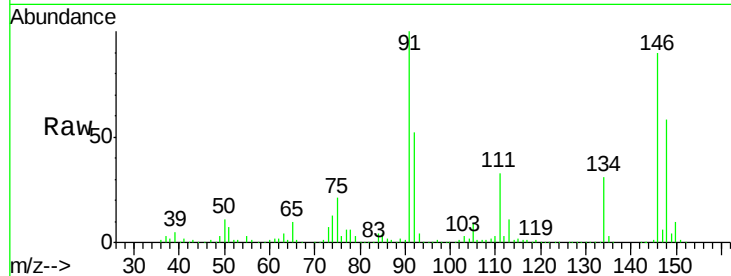
Tot Ion:146 Resp: 389885

Ion Ratio Lower Upper

146 100

111 37.7 19.4 58.1

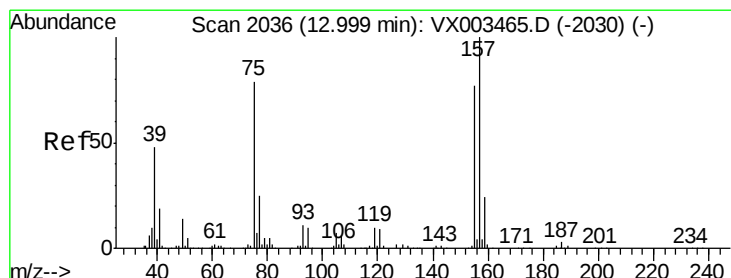
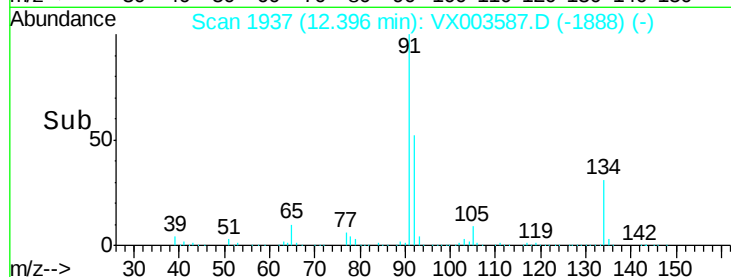
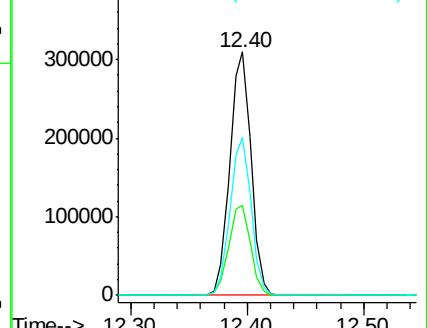
148 64.2 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.15 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003587.D

Acq: 22 Jul 2018 06:47

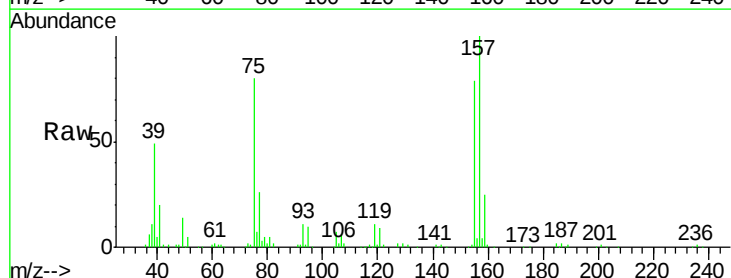
Tgt Ion: 75 Resp: 42882

Ion Ratio Lower Upper

75 100

155 108.4 45.8 137.4

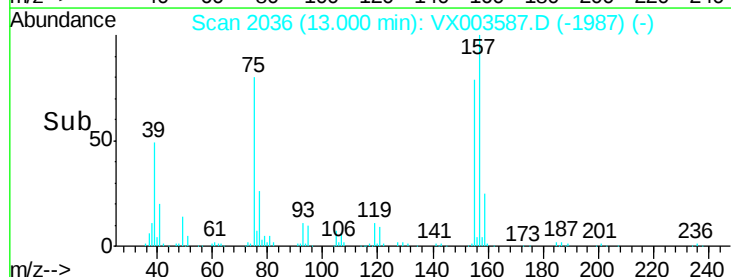
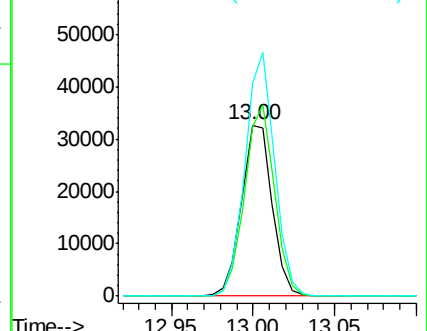
157 136.9 60.1 180.3

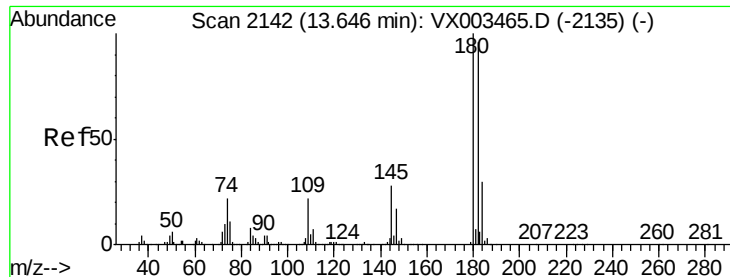


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

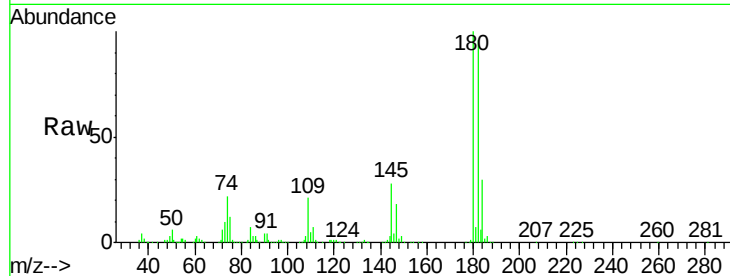




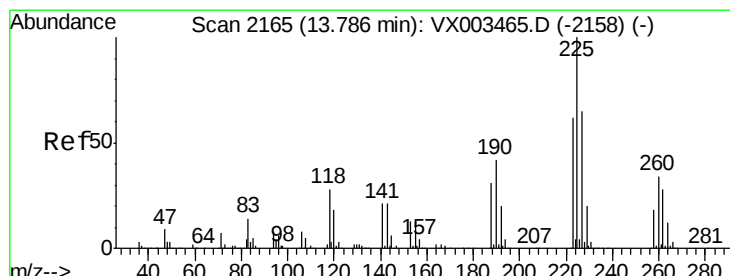
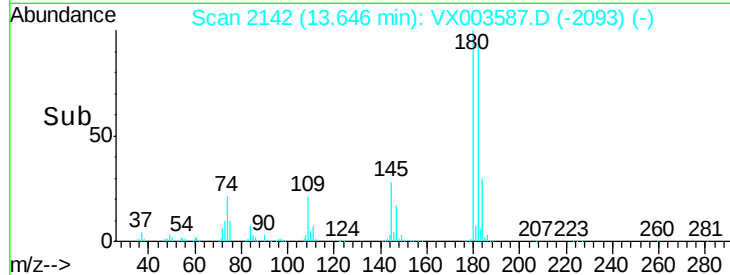
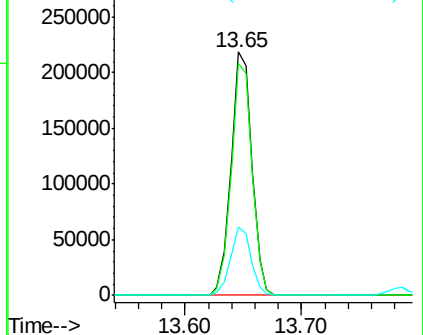
#93  
 1,2,4-Trichlorobenzene  
 Concen: 47.57 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY030LC068-W-180716MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 47.7  | 143.1 |
| 145     | 27.4  | 14.1  | 42.4  |

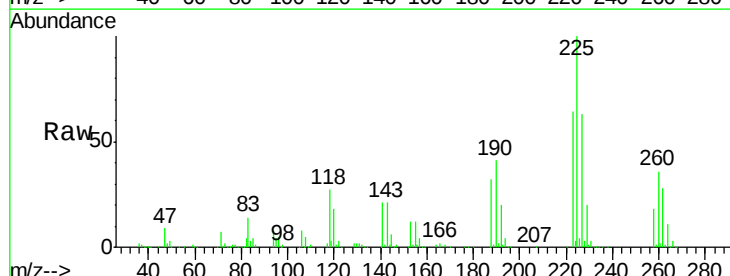


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

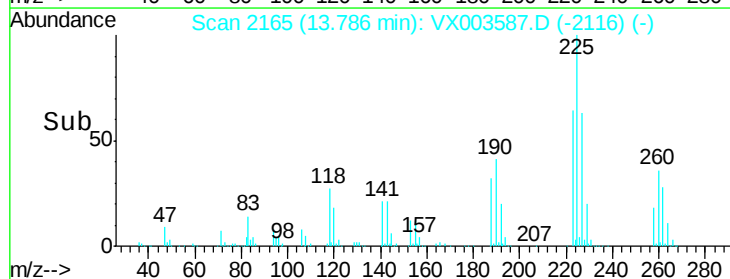
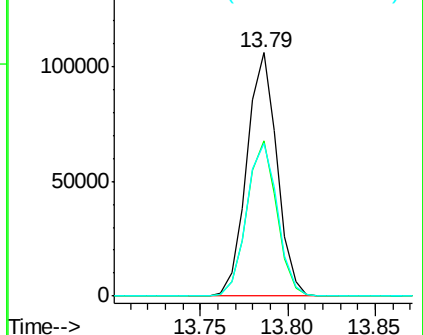


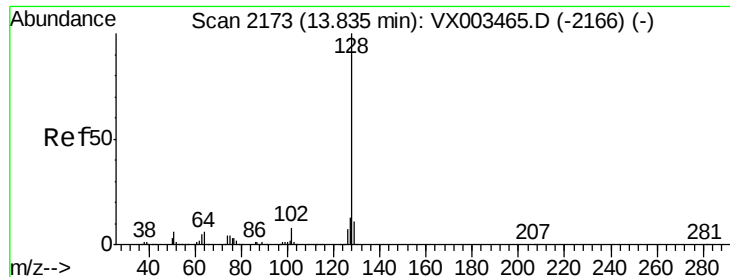
#94  
 Hexachlorobutadiene  
 Concen: 45.95 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX003587.D  
 Acq: 22 Jul 2018 06:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.5  | 31.6  | 95.0  |
| 227     | 64.6  | 32.4  | 97.2  |



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

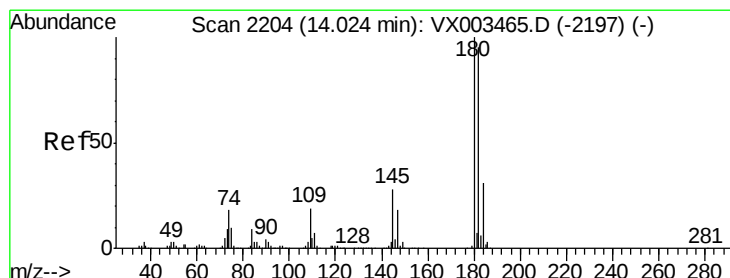
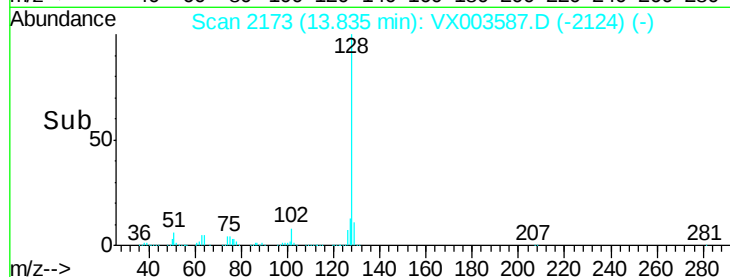
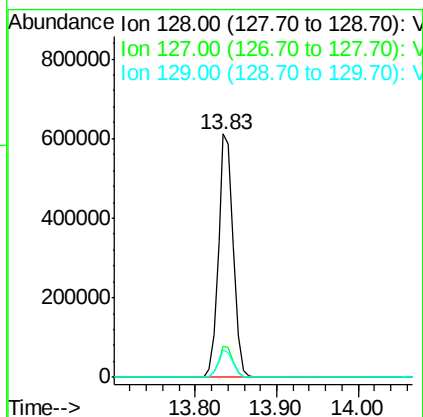
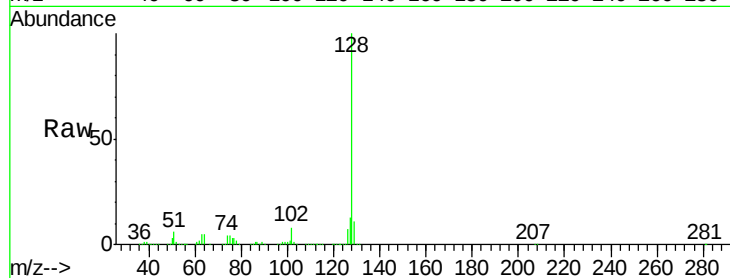




#95  
Naphthalene  
Concen: 51.79 ug/l  
RT: 13.83 min Scan# 2173  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
KY030LC068-W-180716MS

Tot Ion:128 Resp: 779274  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.4 15.6  
129 10.9 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 49.62 ug/l  
RT: 14.02 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: VX003587.D  
Acq: 22 Jul 2018 06:47

Tgt Ion:180 Resp: 281283  
Ion Ratio Lower Upper  
180 100  
182 95.9 48.0 144.0  
145 29.1 14.8 44.3

