

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\  
 Data File : VX002730.D  
 Acq On : 19 Jun 2018 22:57  
 Operator : JC/MD  
 Sample : VX0619WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 20 01:06:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:37:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 227275   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 321429   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 308446   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 186283   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 151884   | 43.98 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.96% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 121048   | 47.19 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.38% |      |
| 50) Toluene-d8              | 8.72   | 98  | 439792   | 45.15 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.30% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 163533   | 44.31 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.62% |      |

| Target Compounds              |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 48443  | 20.08  | ug/l | 96     |
| 3) Chloromethane              | 1.32 | 50  | 50786  | 17.69  | ug/l | 97     |
| 4) Vinyl Chloride             | 1.40 | 62  | 55442  | 18.62  | ug/l | 96     |
| 5) Bromomethane               | 1.64 | 94  | 27244  | 15.16  | ug/l | 97     |
| 6) Chloroethane               | 1.72 | 64  | 38515  | 19.62  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 96846  | 20.01  | ug/l | 97     |
| 8) Diethyl Ether              | 2.19 | 74  | 33615  | 18.26  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 53766  | 19.88  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 41265  | 15.31  | ug/l | 97     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 72785  | 101.94 | ug/l | 97     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 48781  | 19.21  | ug/l | 98     |
| 13) Acrolein                  | 2.30 | 56  | 43563  | 133.44 | ug/l | 99     |
| 14) Allyl chloride            | 2.73 | 41  | 91319  | 18.11  | ug/l | 99     |
| 15) Acrylonitrile             | 3.15 | 53  | 152157 | 97.66  | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 145707 | 95.62  | ug/l | 99     |
| 17) Carbon Disulfide          | 2.57 | 76  | 122237 | 20.29  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 81449  | 20.06  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 173374 | 18.20  | ug/l | 99     |
| 20) Methylene Chloride        | 2.86 | 84  | 53710  | 17.19  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 51185  | 18.58  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.88 | 45  | 169407 | 18.57  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.83 | 43  | 718776 | 94.14  | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 100388 | 20.28  | ug/l | 99     |
| 25) 2-Butanone                | 4.71 | 43  | 204473 | 102.18 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.59 | 77  | 50118  | 14.09  | ug/l | 95     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 54460  | 19.43  | ug/l | 93     |
| 28) Bromochloromethane        | 5.03 | 49  | 41806  | 18.03  | ug/l | 96     |
| 29) Tetrahydrofuran           | 5.17 | 42  | 132480 | 101.02 | ug/l | 97     |
| 30) Chloroform                | 5.22 | 83  | 94875  | 19.87  | ug/l | 97     |
| 31) Cyclohexane               | 5.58 | 56  | 77665  | 19.05  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 82123  | 20.57  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.81 | 75  | 66213  | 19.40  | ug/l | 96     |
| 37) Ethyl Acetate             | 4.87 | 43  | 78673  | 20.36  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 72511  | 21.33  | ug/l | 99     |

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 Sample : VX0619WBSD01  
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 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 20 01:06:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:37:33 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 76692    | 19.22  | ug/l   | 98       |
| 40) Benzene                    | 6.15  | 78   | 204089   | 19.94  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.07  | 41   | 44348    | 20.33  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 79917    | 20.17  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.47  | 43   | 124824   | 19.50  | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 58978    | 19.96  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 52502    | 19.49  | ug/l   | 98       |
| 46) Dibromomethane             | 7.66  | 93   | 36855    | 20.45  | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 66034    | 20.78  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.78  | 41   | 64511    | 19.72  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 26291    | 424.37 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 424443   | 103.26 | ug/l   | 99       |
| 52) Toluene                    | 8.79  | 92   | 130970   | 20.06  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 8.44  | 75   | 71544    | 18.58  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 64639    | 18.28  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 53694    | 20.35  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.19  | 69   | 78325    | 19.29  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 88720    | 19.88  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 176411   | 89.83  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.50  | 43   | 322735   | 104.20 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 52916    | 20.25  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 57249    | 20.95  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 66241    | 19.35  | ug/l   | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 153596   | 20.28  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 53994    | 20.91  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.26 | 91   | 251865   | 19.71  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.37 | 106  | 196303   | 39.83  | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 94076    | 19.43  | ug/l   | 100      |
| 70) Styrene                    | 10.71 | 104  | 156251   | 19.62  | ug/l   | 99       |
| 71) Bromoform                  | 10.86 | 173  | 39575    | 20.04  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.02 | 105  | 256951   | 20.62  | ug/l   | 100      |
| 74) N-amyl acetate             | 6.47  | 43   | 124824   | 20.17  | ug/l # | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 81334    | 22.11  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 85800    | 24.41  | ug/l   | 80       |
| 77) Bromobenzene               | 11.26 | 156  | 72606    | 20.92  | ug/l   | 97       |
| 78) n-propylbenzene            | 11.37 | 91   | 289107   | 20.23  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 172843   | 20.26  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 217076   | 20.62  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 16071    | 17.59  | ug/l   | 90       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 203361   | 20.20  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 208339   | 20.54  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 220201   | 20.50  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 254507   | 20.18  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 229089   | 20.08  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.03 | 146  | 128031   | 20.11  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 130116   | 20.09  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 191906   | 19.06  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.60 | 117  | 29709    | 18.45  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 131932   | 20.59  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 17469    | 22.67  | ug/l   | 97       |

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Sample : VX0619WBSD01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 22 Sample Multiplier: 1

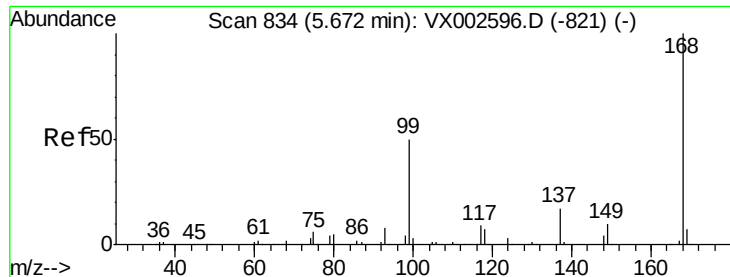
Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jun 20 01:06:00 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:37:33 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 91427    | 19.66 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 46125    | 18.83 | ug/l  | 100      |
| 95) Naphthalene            | 13.84 | 128  | 262630   | 20.99 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 96071    | 20.57 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

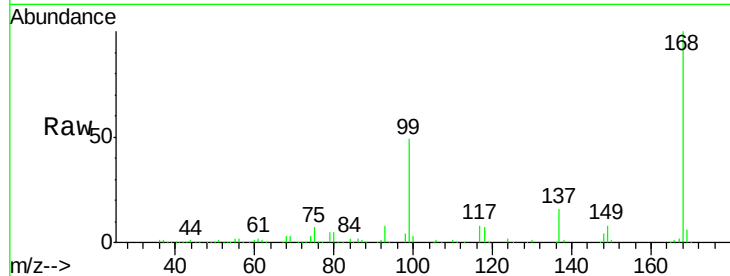
ClientSampleId :

Tot Ion:168 Resp: 227275

Ion Ratio Lower Upper

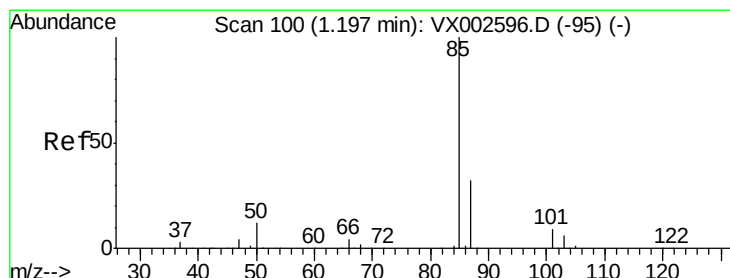
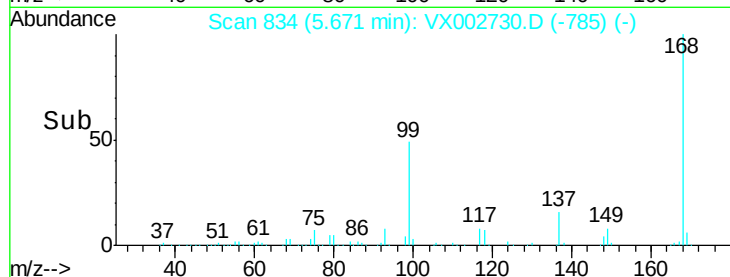
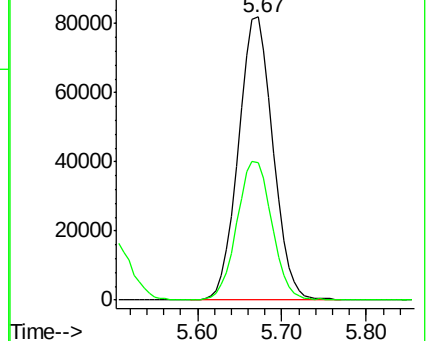
168 100

99 48.5 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: 20.08 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002730.D

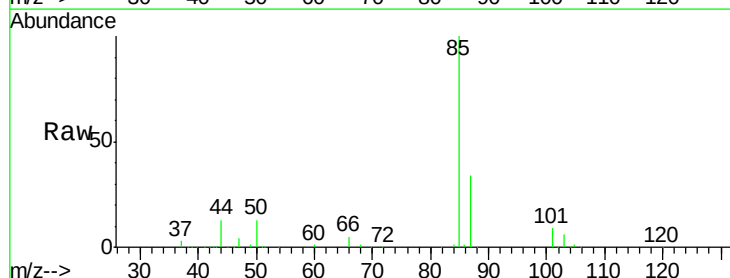
Acq: 19 Jun 2018 22:57

Tgt Ion: 85 Resp: 48443

Ion Ratio Lower Upper

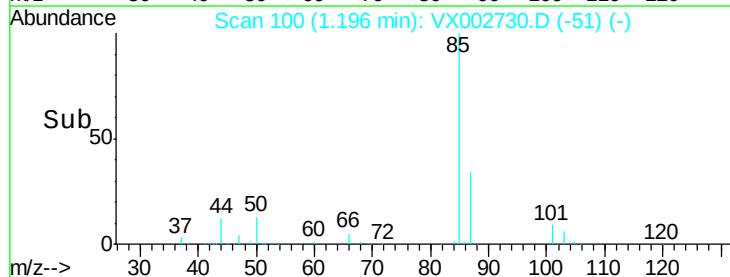
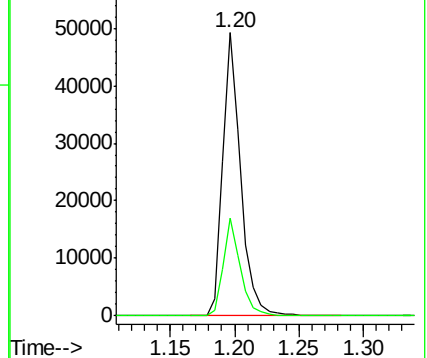
85 100

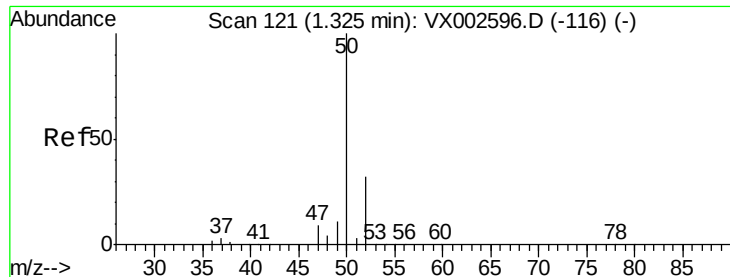
87 34.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.69 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

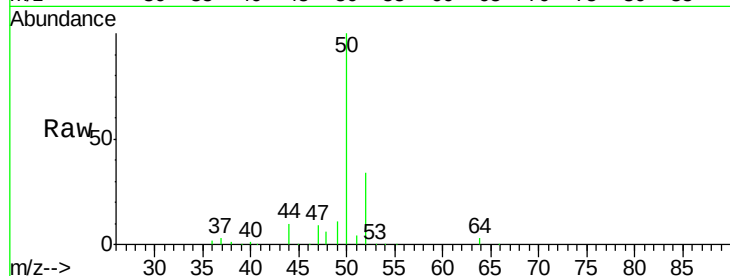
ClientSampled :

Tot Ion: 50 Resp: 50786

Ion Ratio Lower Upper

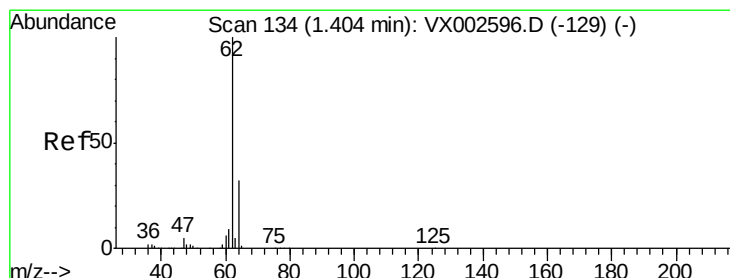
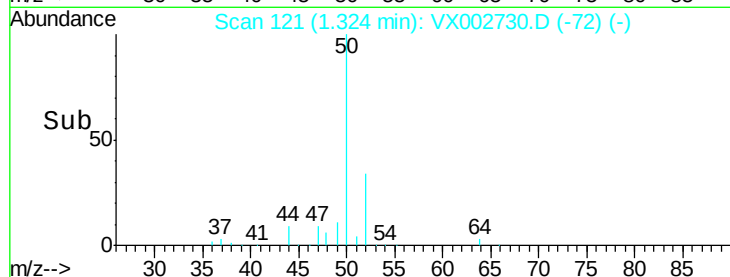
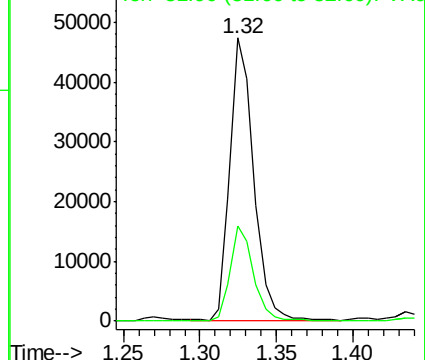
50 100

52 33.7 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: 18.62 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002730.D

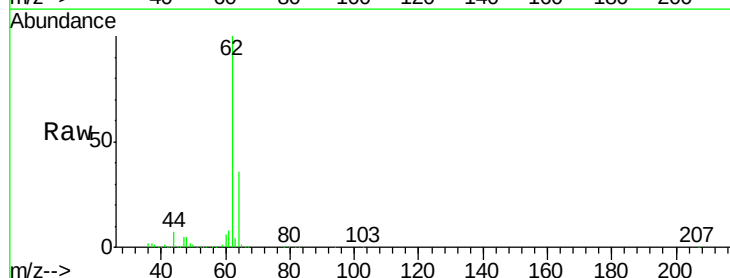
Acq: 19 Jun 2018 22:57

Tgt Ion: 62 Resp: 55442

Ion Ratio Lower Upper

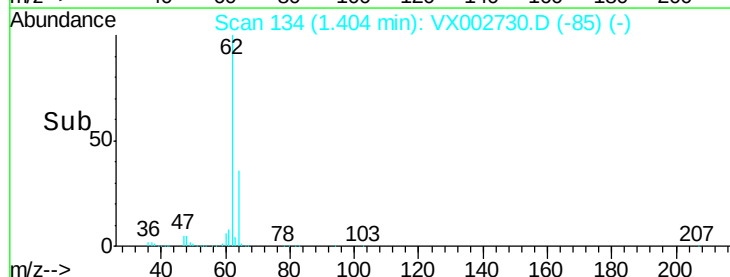
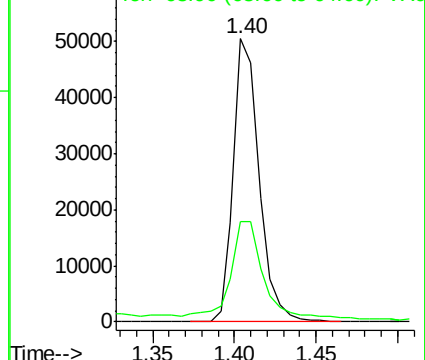
62 100

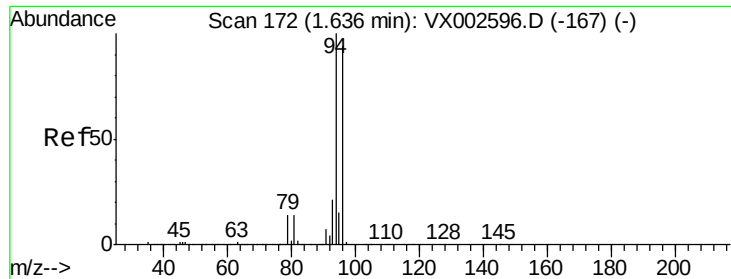
64 34.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.16 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

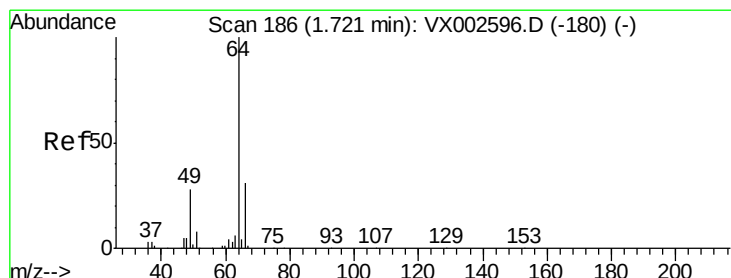
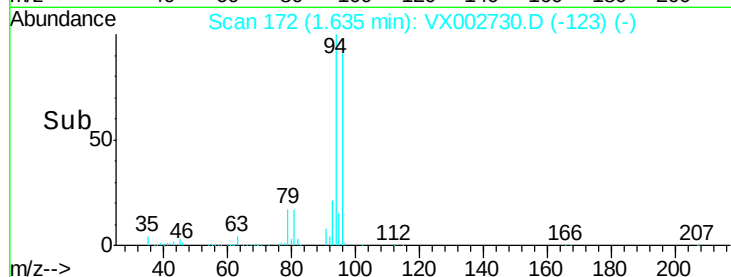
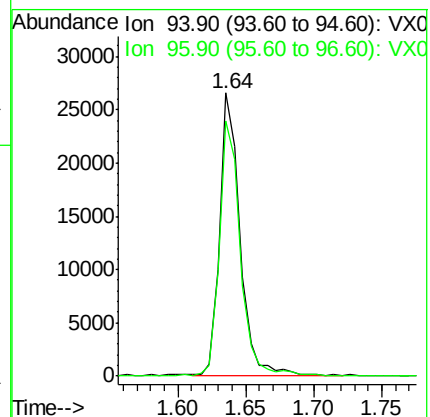
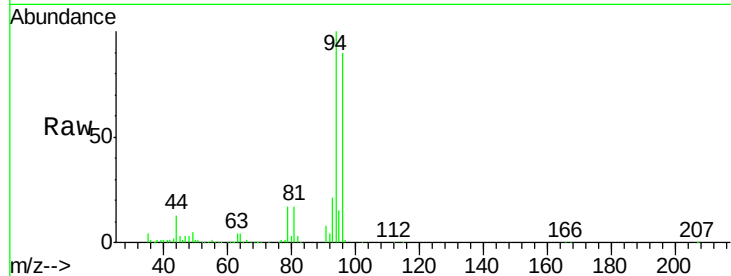
ClientSampleId :

Tot Ion: 94 Resp: 27244

Ion Ratio Lower Upper

94 100

96 90.3 74.9 112.3



#6

Chloroethane

Concen: 19.62 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002730.D

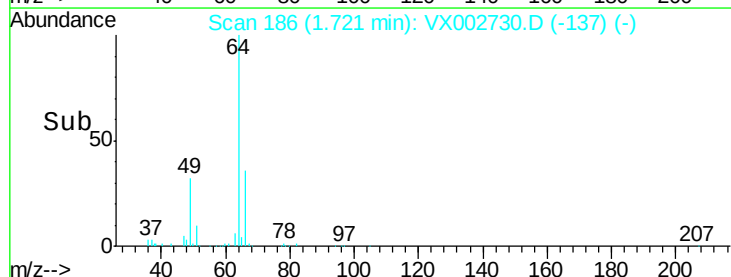
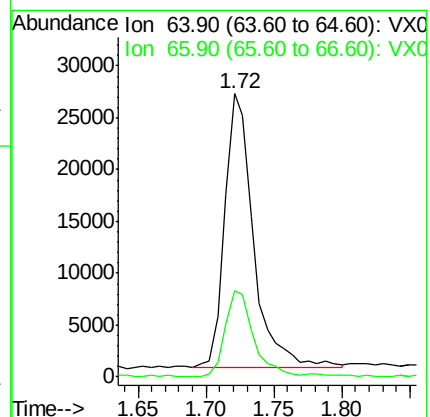
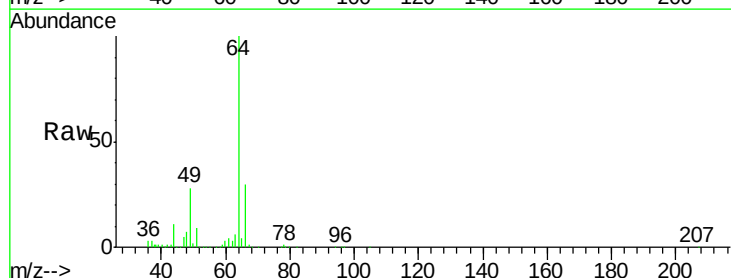
Acq: 19 Jun 2018 22:57

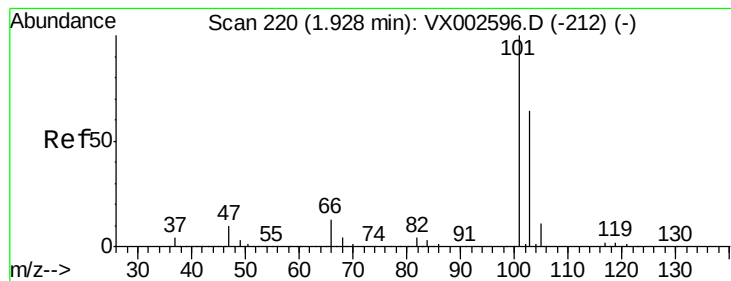
Tgt Ion: 64 Resp: 38515

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3



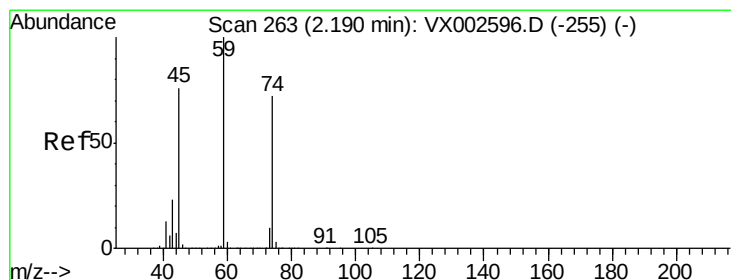
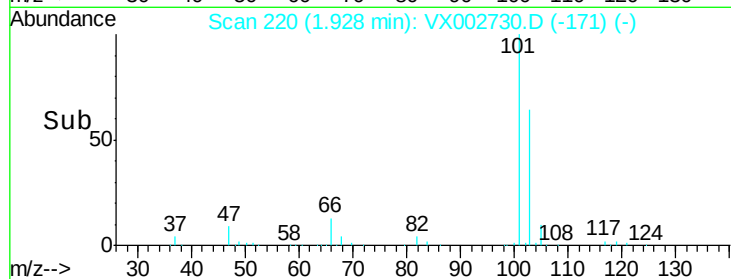
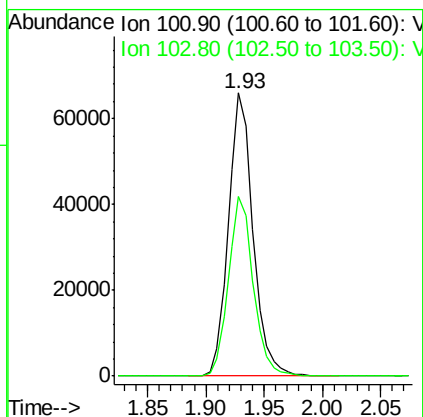
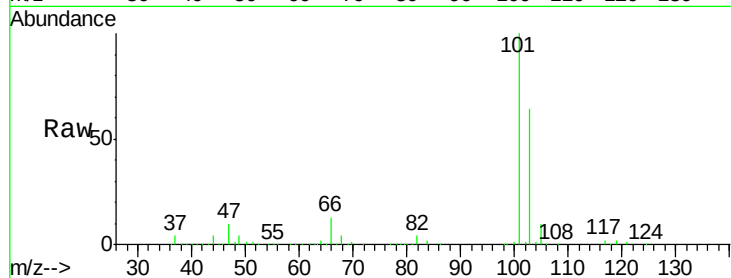


#7

Trichlorofluoromethane  
 Concen: 20.01 ug/l  
 RT: 1.93 min Scan# 220  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Instrument :  
 MSVOA\_X  
 ClientSampled :

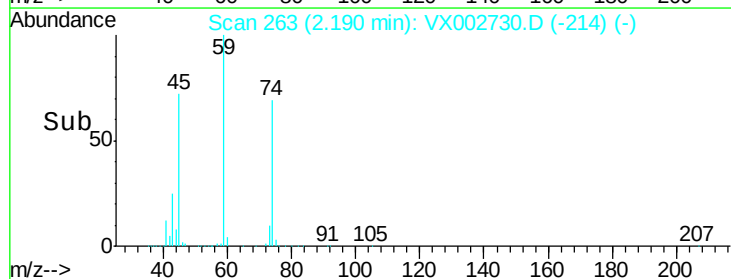
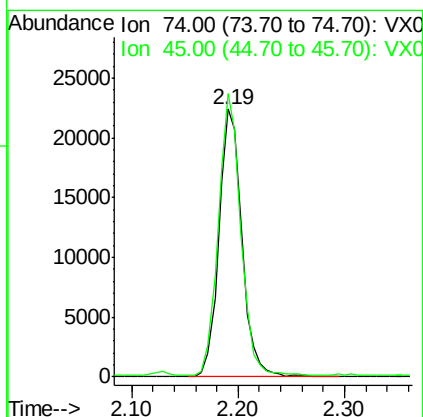
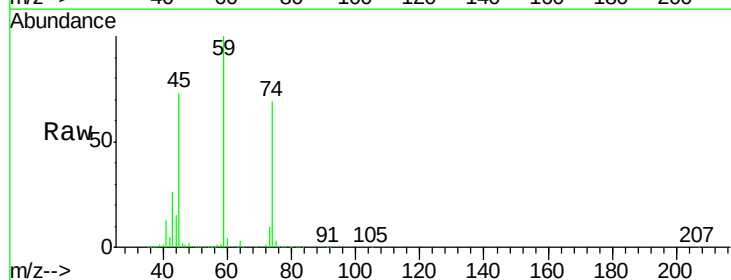
Tot Ion:101 Resp: 96846  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 52.8 79.2



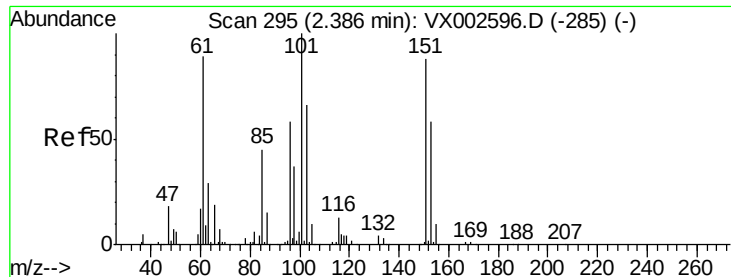
#8

Diethyl Ether  
 Concen: 18.26 ug/l  
 RT: 2.19 min Scan# 263  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Tgt Ion: 74 Resp: 33615  
 Ion Ratio Lower Upper  
 74 100  
 45 102.2 53.1 159.4







#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.88 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampleId :

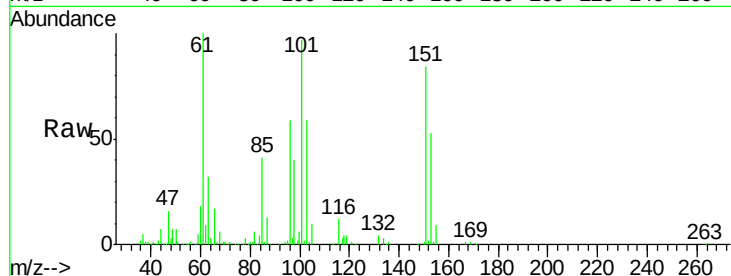
Tot Ion:101 Resp: 53766

Ion Ratio Lower Upper

101 100

85 44.2 36.0 54.0

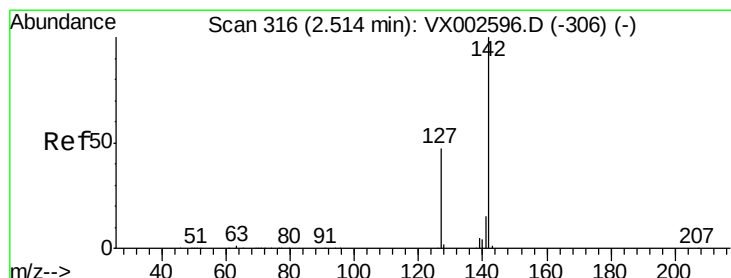
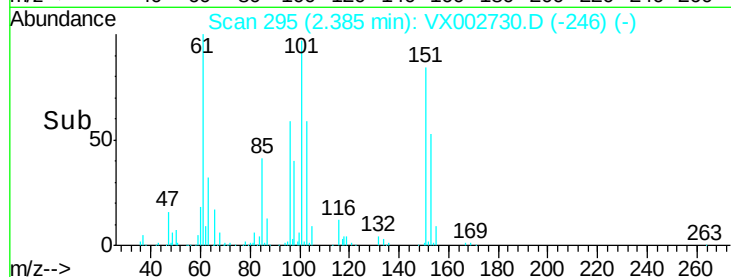
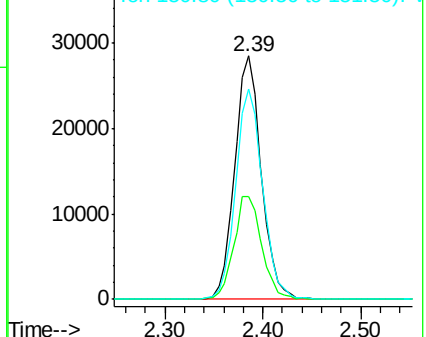
151 87.8 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.31 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

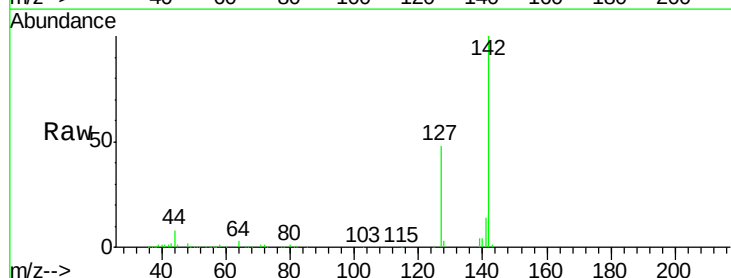
Tgt Ion:142 Resp: 41265

Ion Ratio Lower Upper

142 100

127 48.3 36.6 55.0

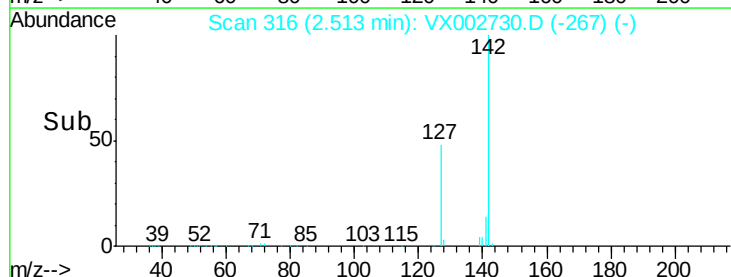
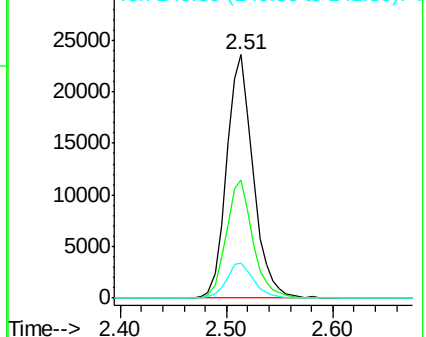
141 14.7 11.3 16.9

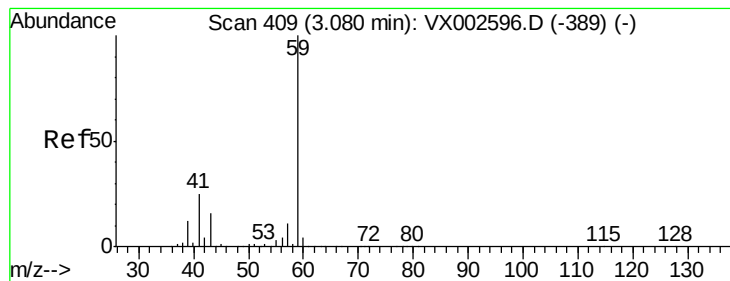


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



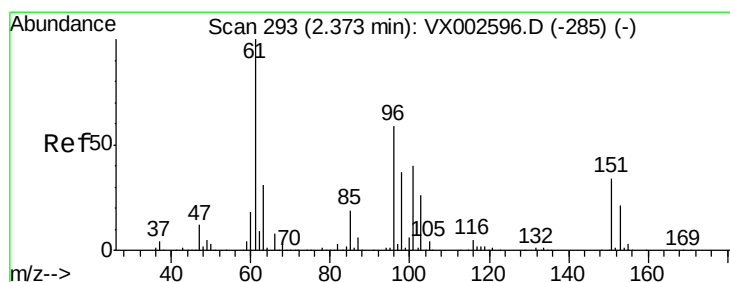
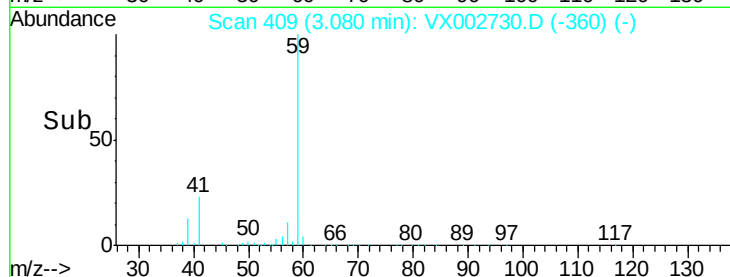
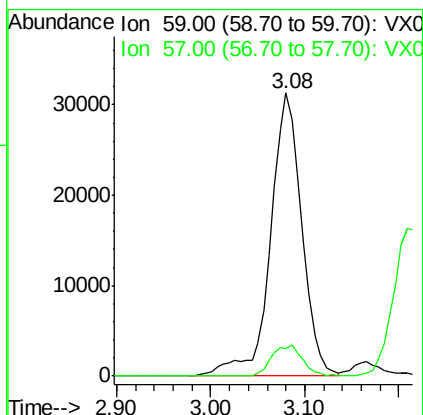
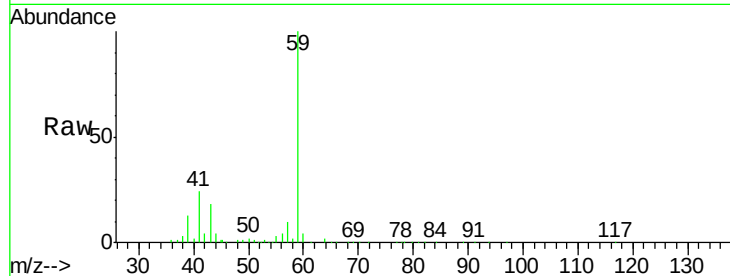


#11

Tert butyl alcohol  
Concen: 101.94 ug/l  
RT: 3.08 min Scan# 409  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Instrument :  
MSVOA\_X  
ClientSampled :

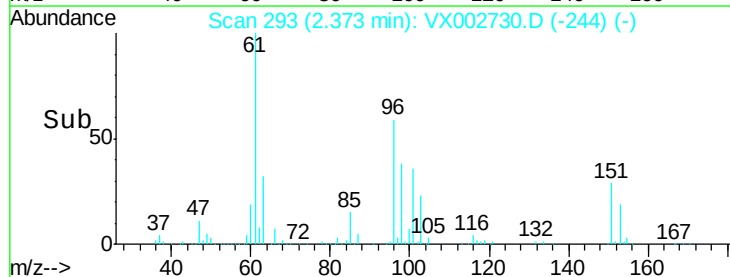
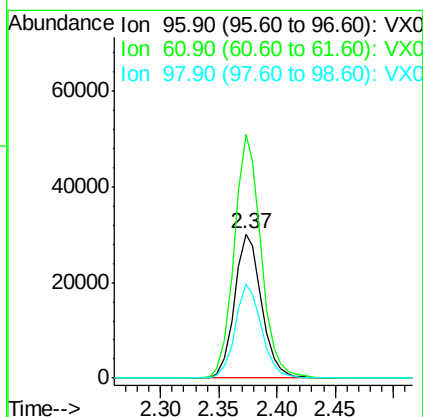
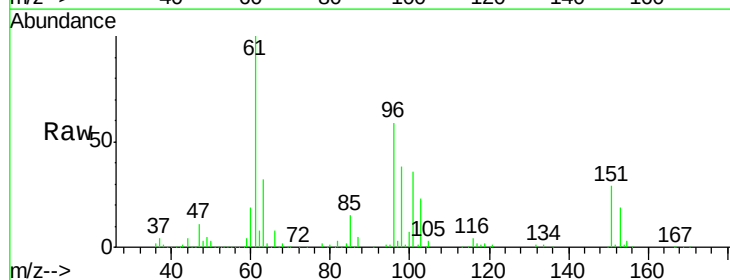
Tot Ion: 59 Resp: 72785  
Ion Ratio Lower Upper  
59 100  
57 11.1 8.2 12.2

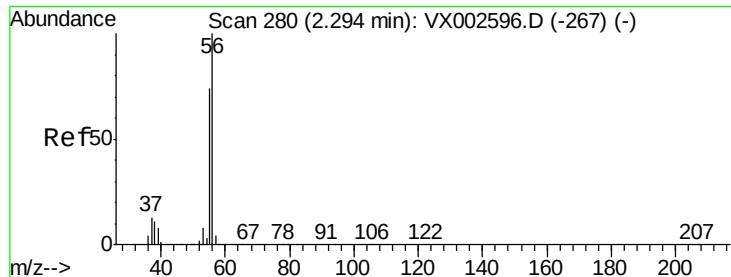


#12

1,1-Dichloroethene  
Concen: 19.21 ug/l  
RT: 2.37 min Scan# 293  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion: 96 Resp: 48781  
Ion Ratio Lower Upper  
96 100  
61 169.3 137.9 206.9  
98 65.1 51.6 77.4





#13

Acrolein

Concen: 133.44 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

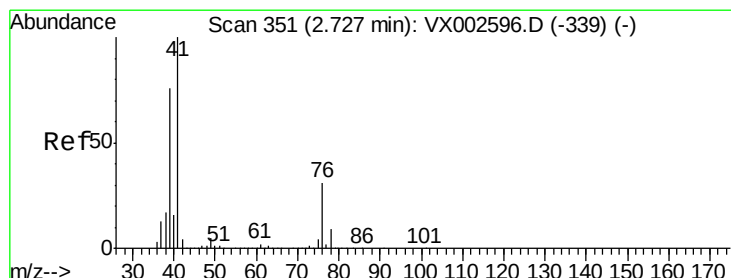
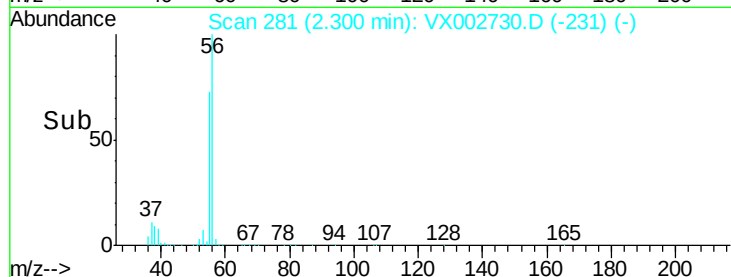
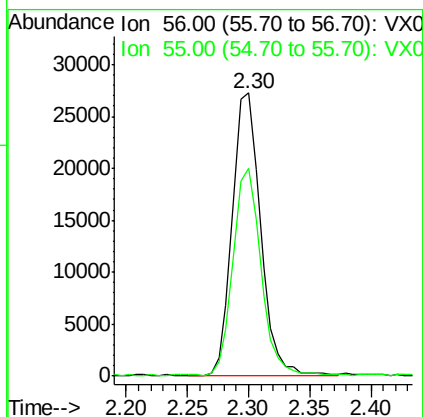
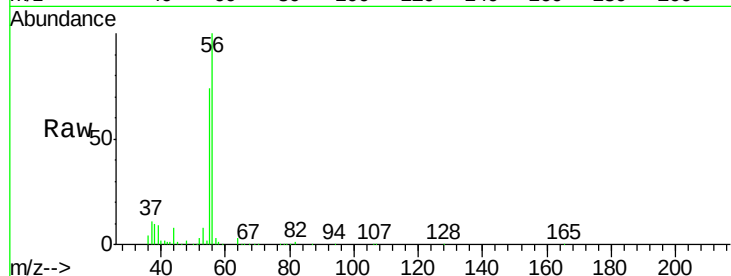
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion: 56 Resp: 43563

Ion Ratio Lower Upper

56 100

55 72.1 57.0 85.4



#14

Allyl chloride

Concen: 18.11 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

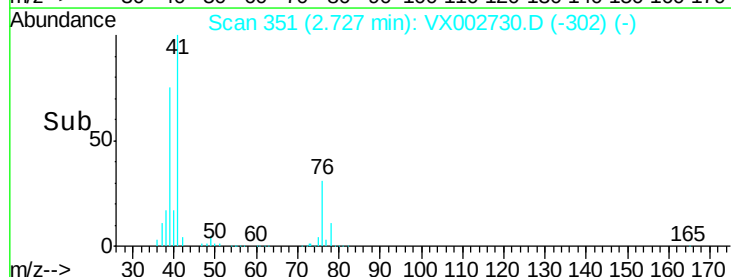
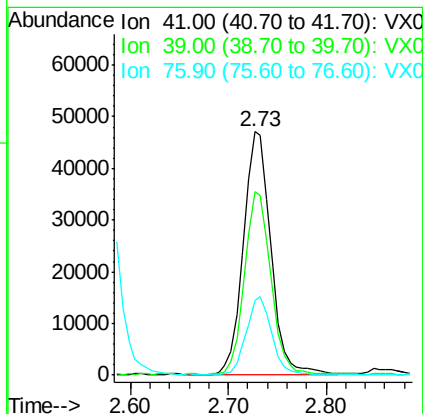
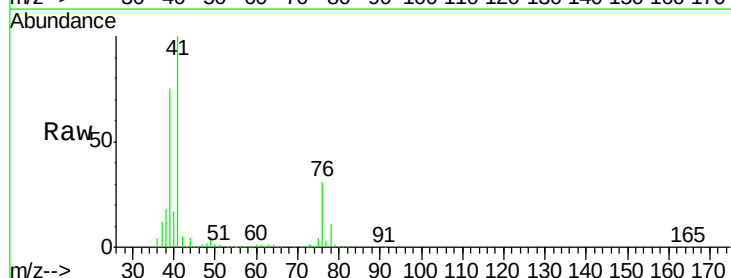
Tgt Ion: 41 Resp: 91319

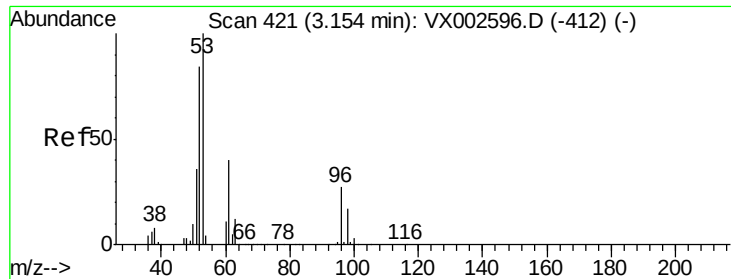
Ion Ratio Lower Upper

41 100

39 71.9 56.8 85.2

76 29.7 23.8 35.8





#15

Acrylonitrile

Concen: 97.66 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampled :

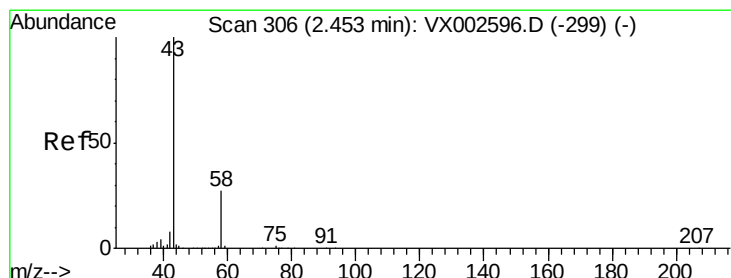
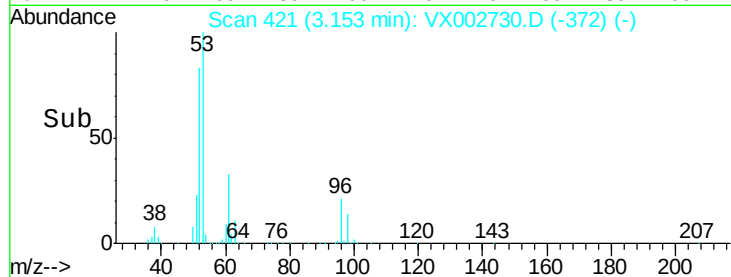
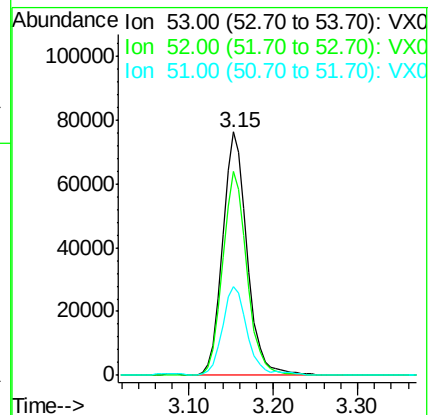
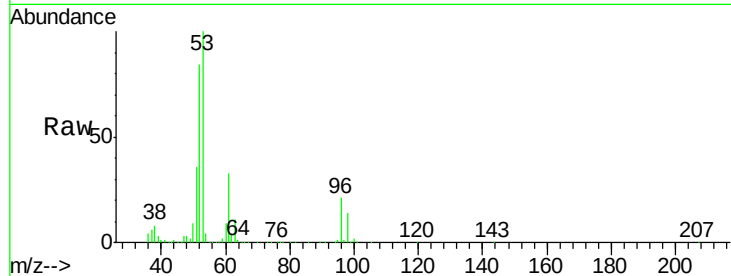
Tot Ion: 53 Resp: 152157

Ion Ratio Lower Upper

53 100

52 82.9 66.7 100.1

51 37.1 29.9 44.9



#16

Acetone

Concen: 95.62 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002730.D

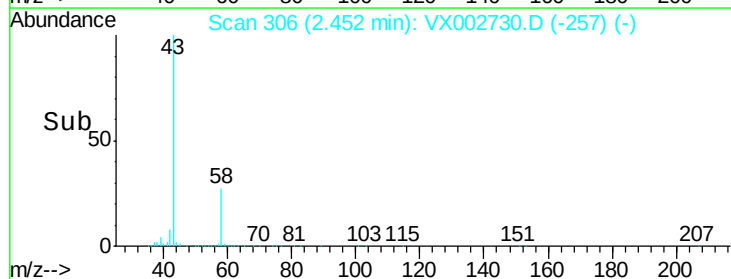
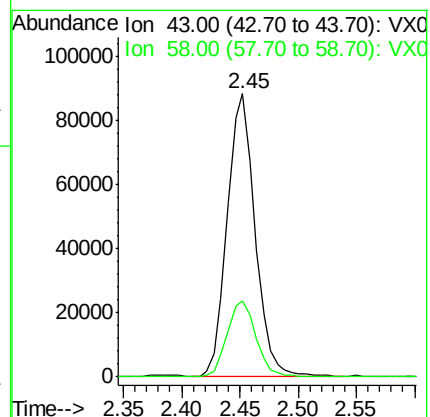
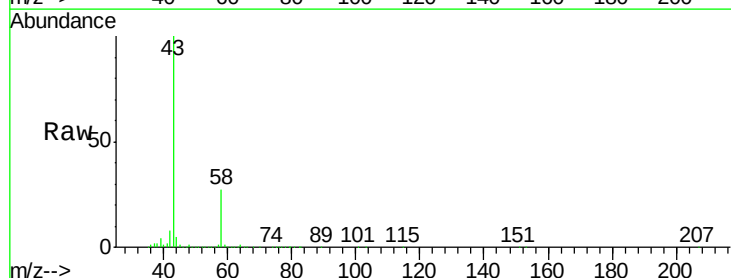
Acq: 19 Jun 2018 22:57

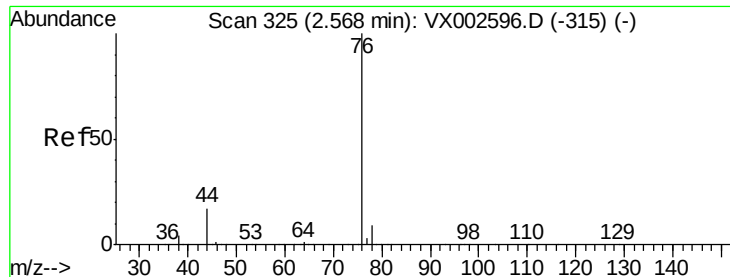
Tgt Ion: 43 Resp: 145707

Ion Ratio Lower Upper

43 100

58 27.1 22.1 33.1

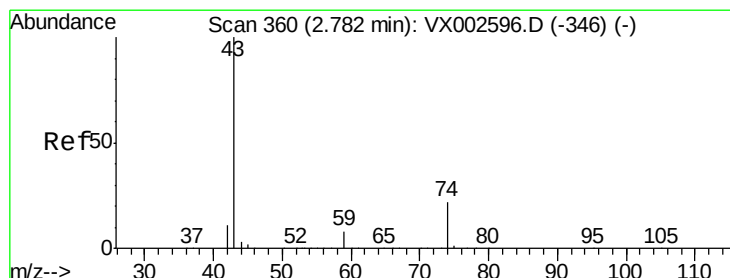
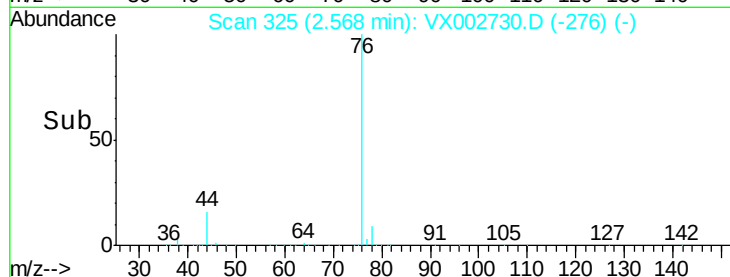
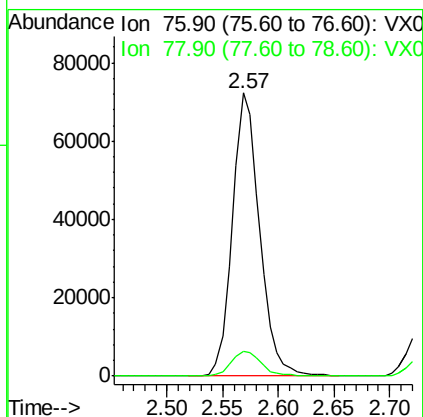
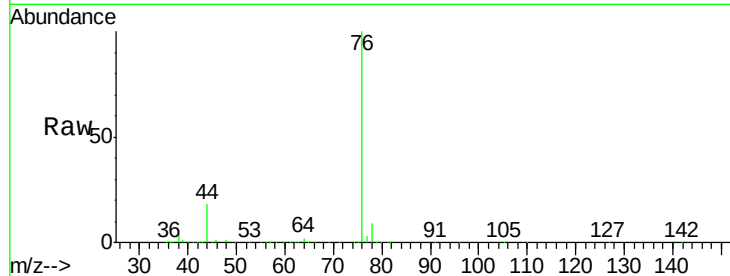




#17  
Carbon Disulfide  
Concen: 20.29 ug/l  
RT: 2.57 min Scan# 325  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

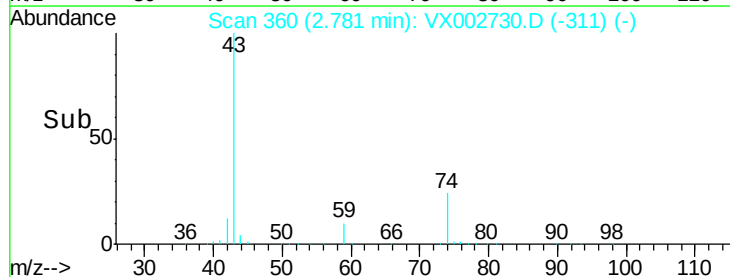
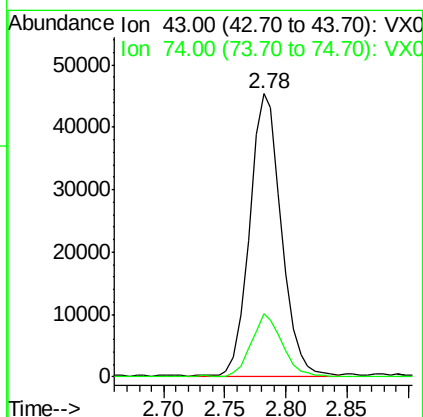
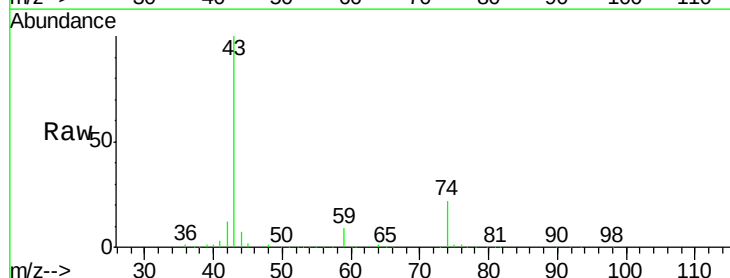
Instrument :  
MSVOA\_X  
ClientSampleId :

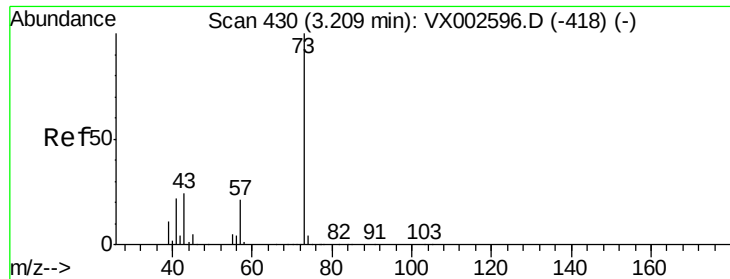
Tot Ion: 76 Resp: 122237  
Ion Ratio Lower Upper  
76 100  
78 8.7 6.9 10.3



#18  
Methyl Acetate  
Concen: 20.06 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion: 43 Resp: 81449  
Ion Ratio Lower Upper  
43 100  
74 21.5 16.7 25.1

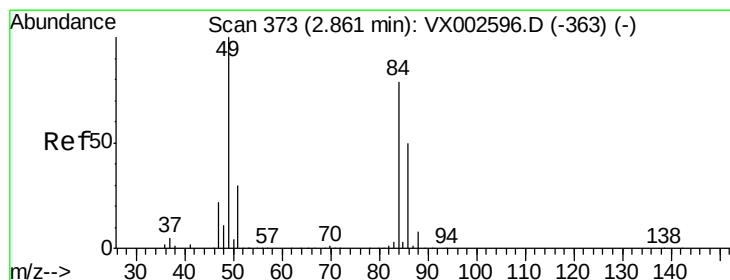
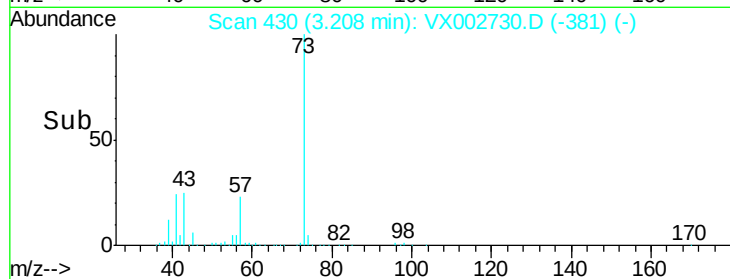
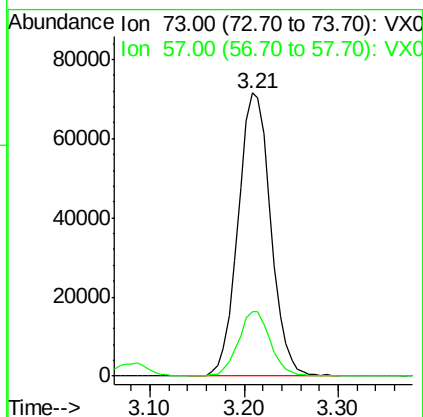
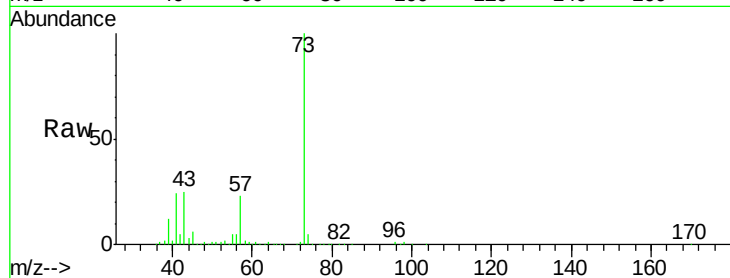




#19  
Methyl tert-butyl Ether  
Concen: 18.20 ug/l  
RT: 3.21 min Scan# 430  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

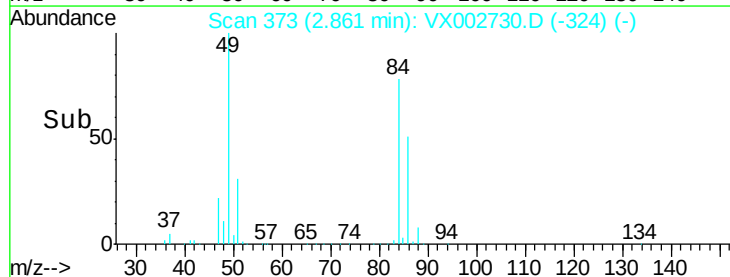
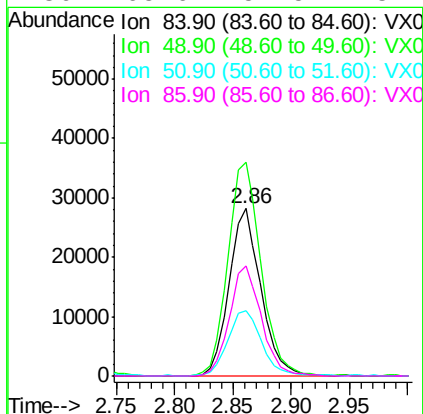
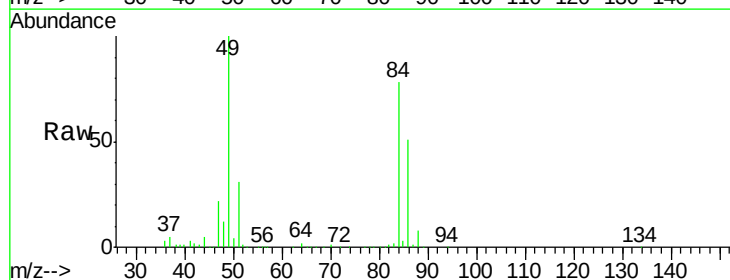
Instrument :  
MSVOA\_X  
ClientSampleId :

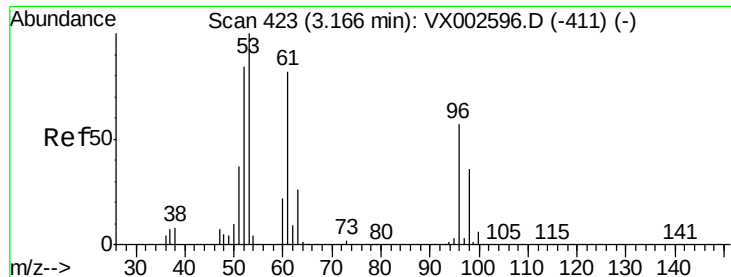
Tot Ion: 73 Resp: 173374  
Ion Ratio Lower Upper  
73 100  
57 22.7 17.7 26.5



#20  
Methylene Chloride  
Concen: 17.19 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion: 84 Resp: 53710  
Ion Ratio Lower Upper  
84 100  
49 127.4 107.8 161.6  
51 39.2 32.8 49.2  
86 65.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.58 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :  
MSVOA\_X  
ClientSampled :

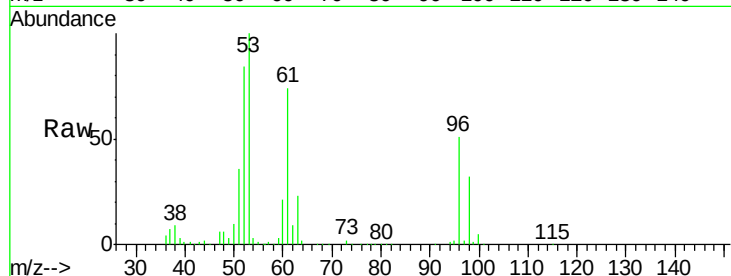
Tot Ion: 96 Resp: 51185

Ion Ratio Lower Upper

96 100

61 145.7 117.0 175.4

98 63.7 52.4 78.6

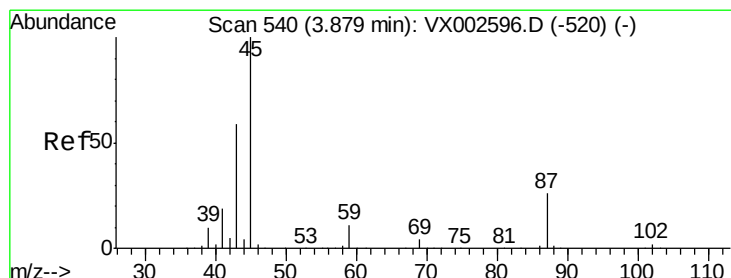
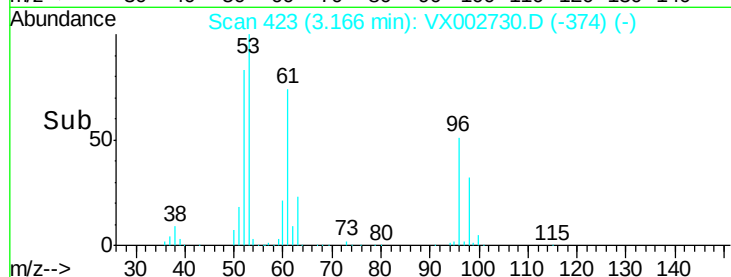
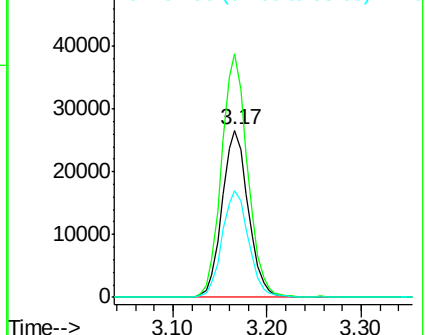


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.57 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion: 45 Resp: 169407

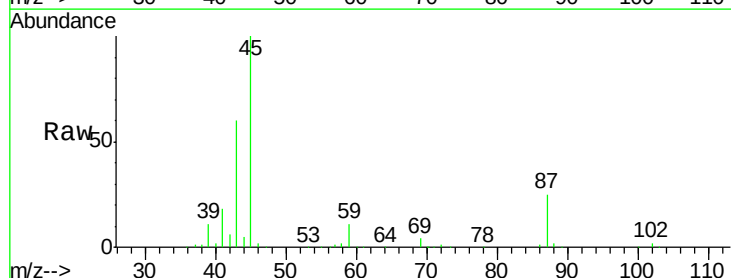
Ion Ratio Lower Upper

45 100

43 59.9 46.8 70.2

87 25.4 20.2 30.4

59 10.6 8.7 13.1



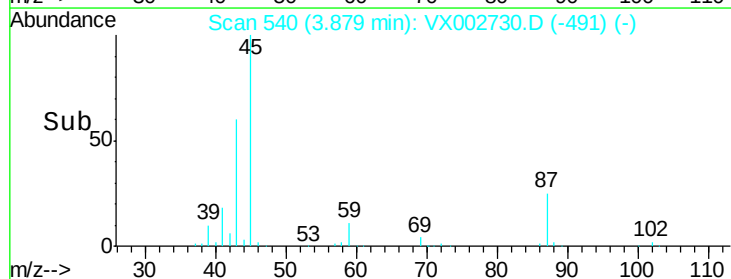
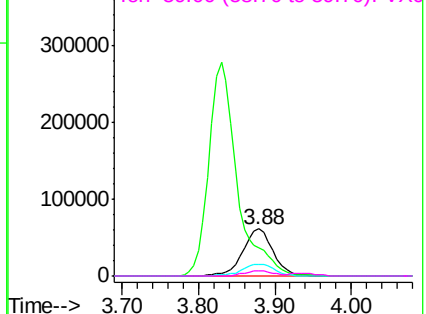
Abundance

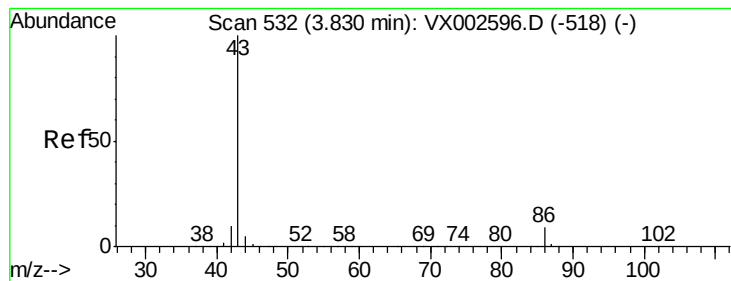
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 94.14 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

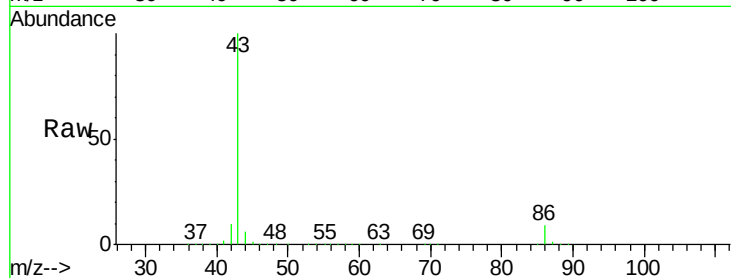
ClientSampleId :

Tot Ion: 43 Resp: 718776

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

250000

200000

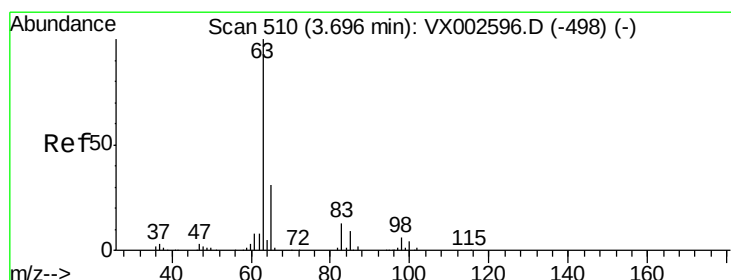
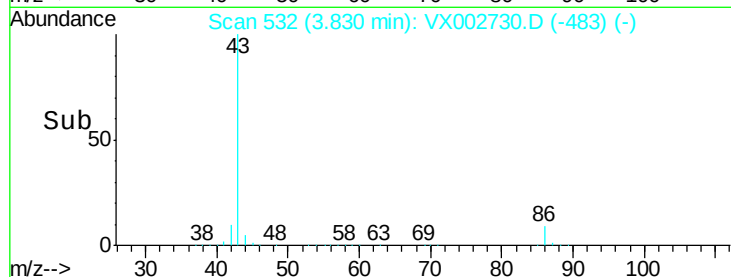
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.28 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

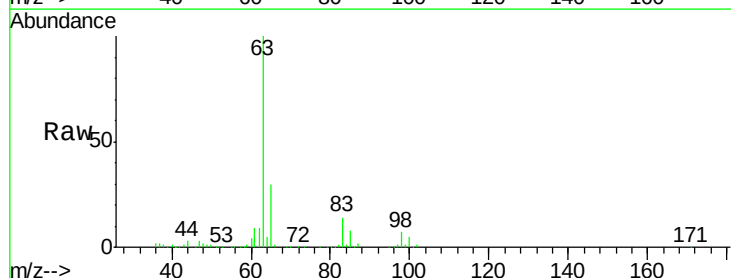
Tgt Ion: 63 Resp: 100388

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.5 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

3.70

50000

40000

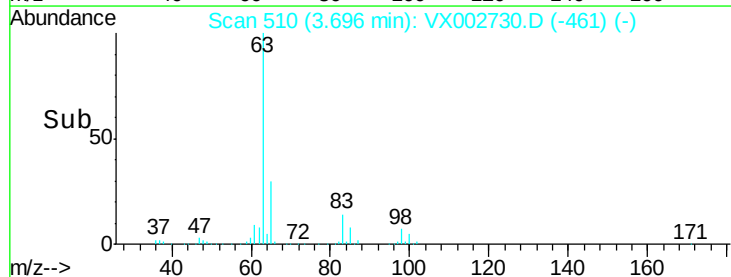
30000

20000

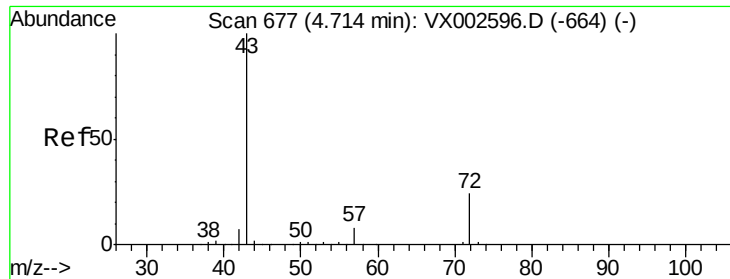
10000

0

Time-->







#25

2-Butanone

Concen: 102.18 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

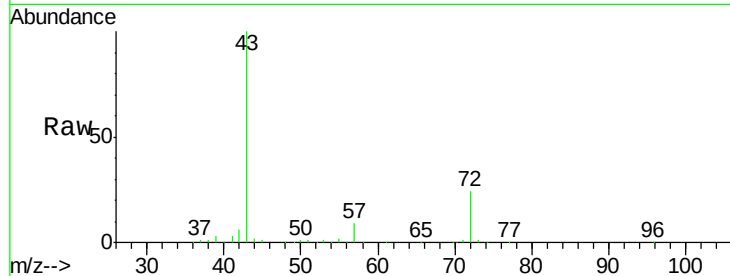
ClientSampled :

Tot Ion: 43 Resp: 204473

Ion Ratio Lower Upper

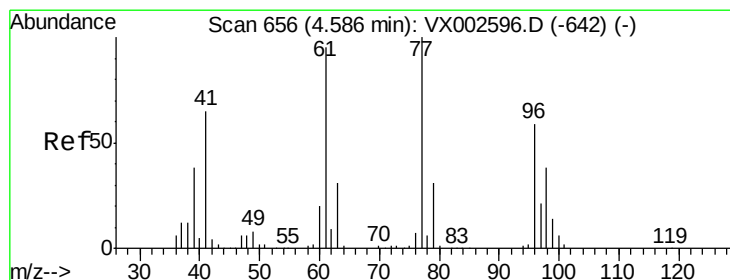
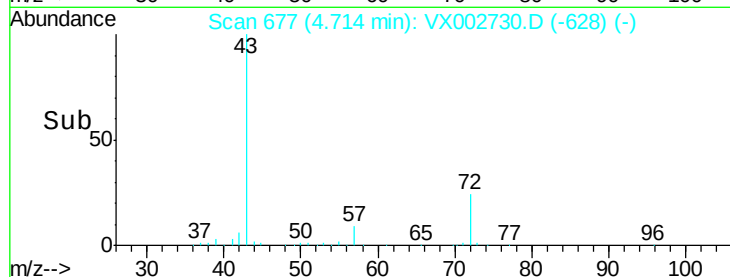
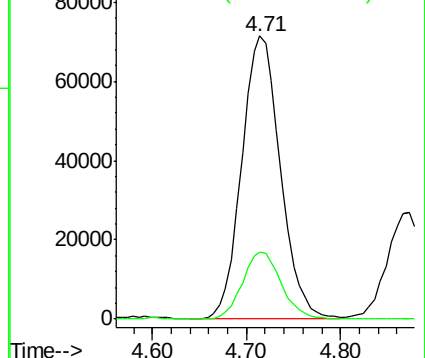
43 100

72 23.8 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: 14.09 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002730.D

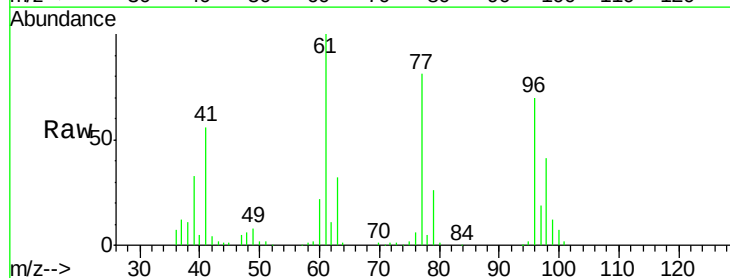
Acq: 19 Jun 2018 22:57

Tgt Ion: 77 Resp: 50118

Ion Ratio Lower Upper

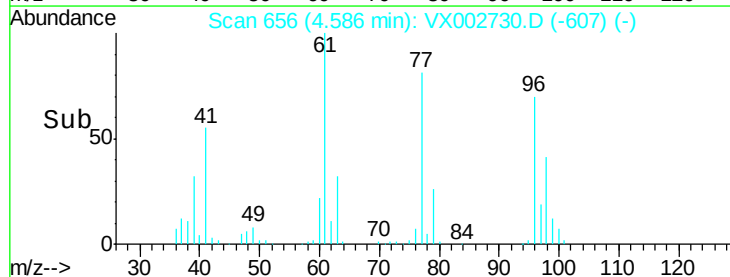
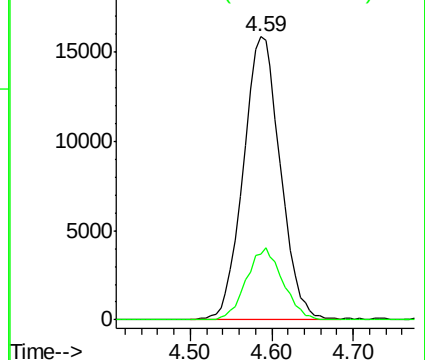
77 100

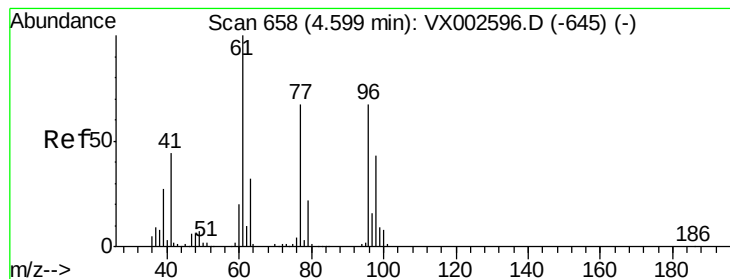
97 24.9 11.2 33.5



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: 19.43 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :  
MSVOA\_X  
ClientSampleId :

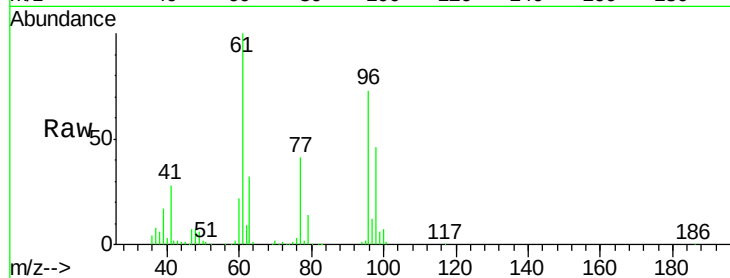
Tot Ion: 96 Resp: 54460

Ion Ratio Lower Upper

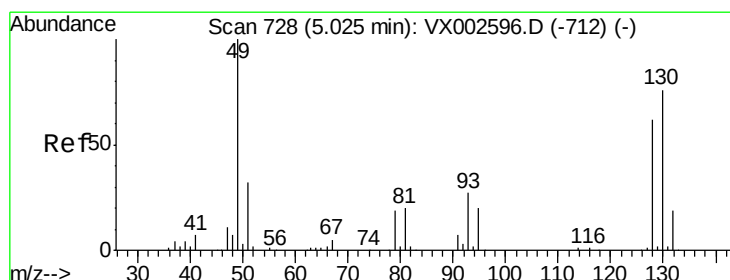
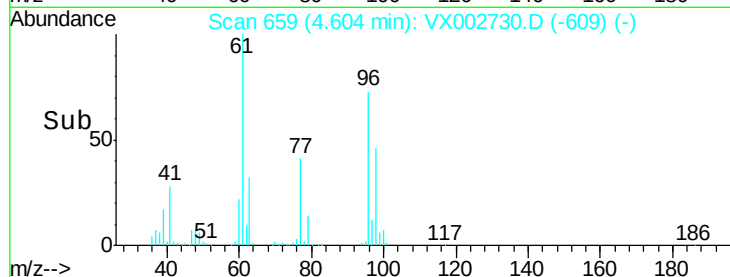
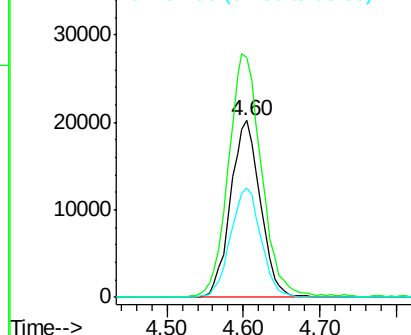
96 100

61 153.3 0.0 330.2

98 62.8 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: 18.03 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

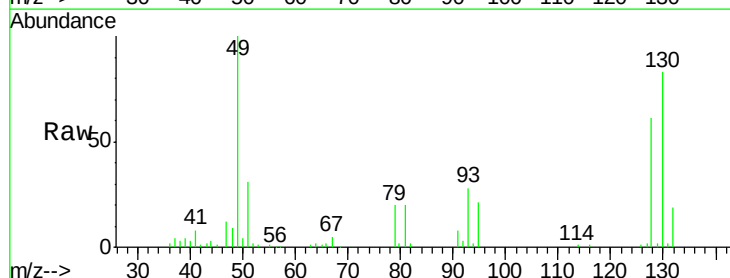
Tgt Ion: 49 Resp: 41806

Ion Ratio Lower Upper

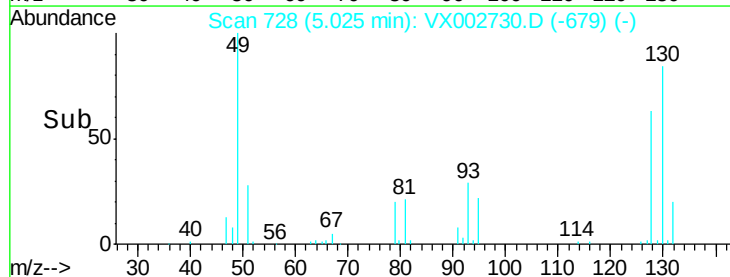
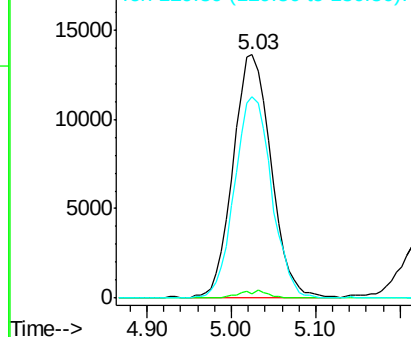
49 100

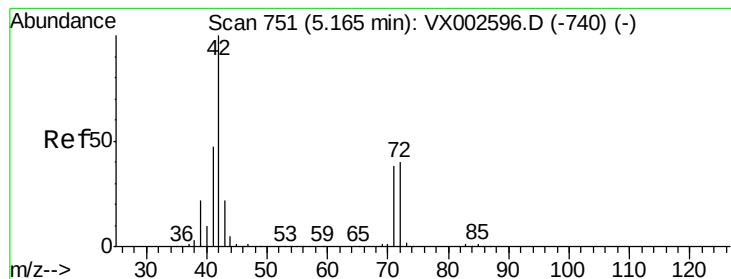
129 2.4 0.0 4.2

130 80.3 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: 101.02 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampleId :

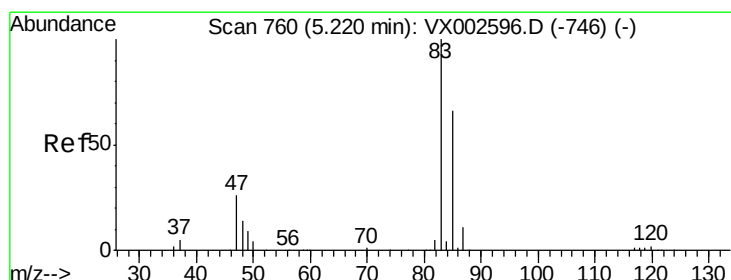
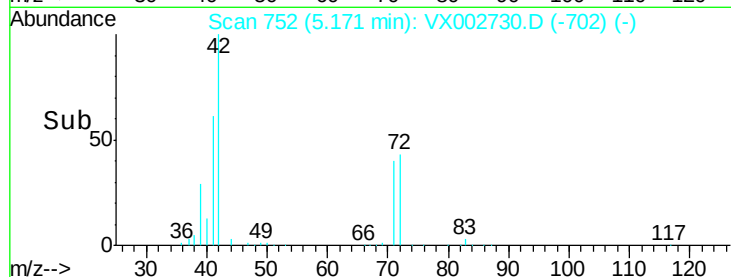
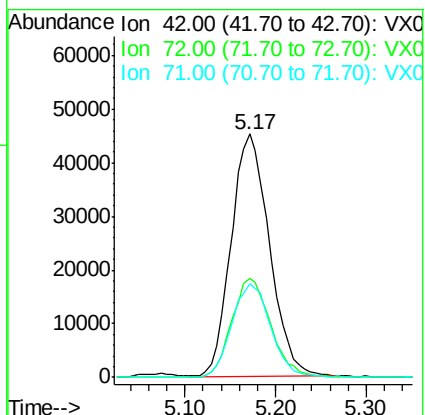
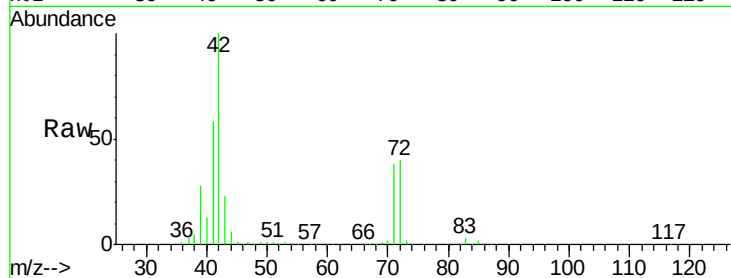
Tot Ion: 42 Resp: 132480

Ion Ratio Lower Upper

42 100

72 41.8 32.0 48.0

71 39.3 30.1 45.1



#30

Chloroform

Concen: 19.87 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX002730.D

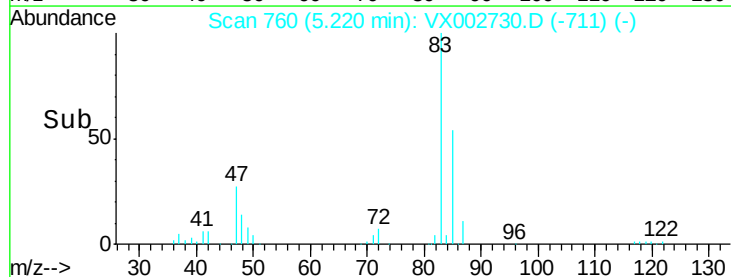
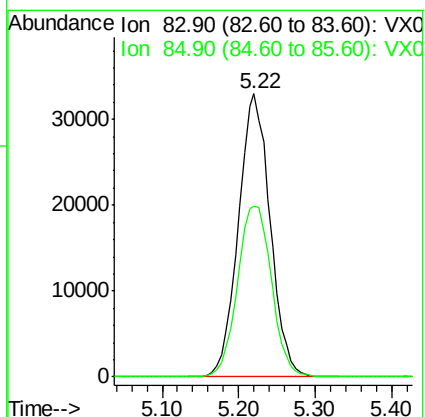
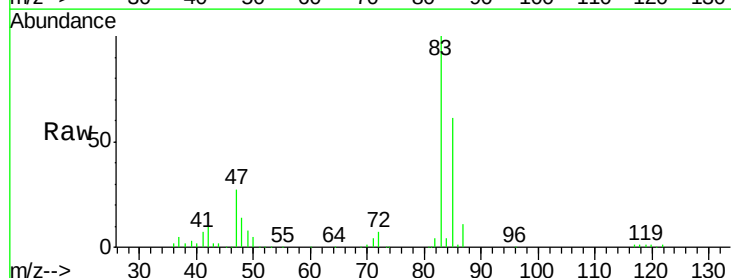
Acq: 19 Jun 2018 22:57

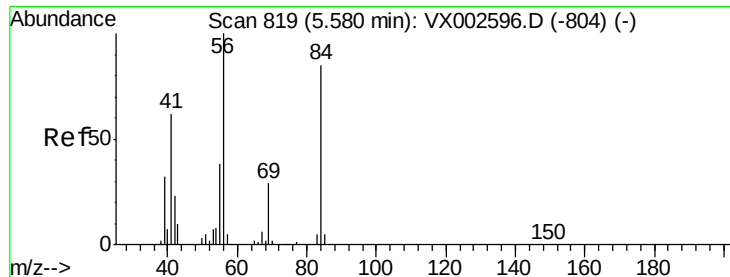
Tgt Ion: 83 Resp: 94875

Ion Ratio Lower Upper

83 100

85 60.5 50.4 75.6





#31

Cyclohexane

Concen: 19.05 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampleId :

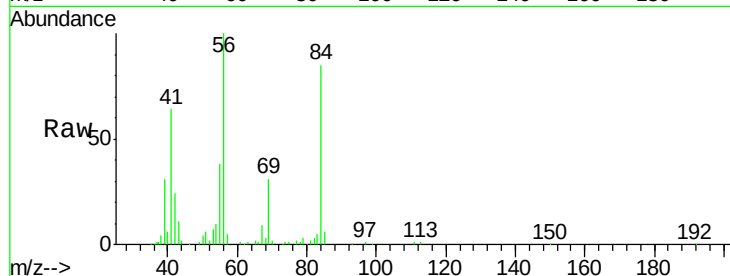
Tot Ion: 56 Resp: 77665

Ion Ratio Lower Upper

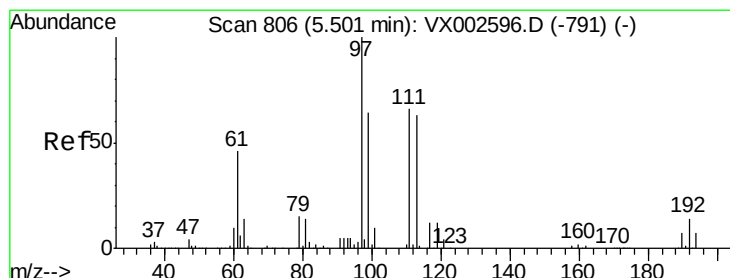
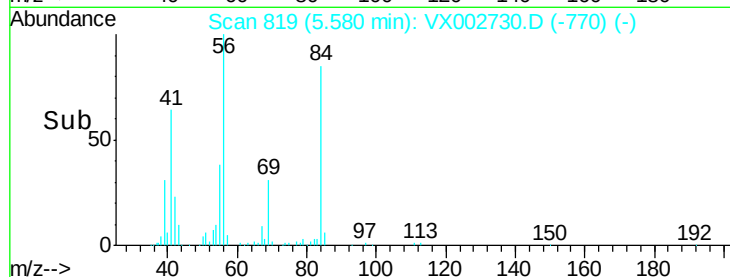
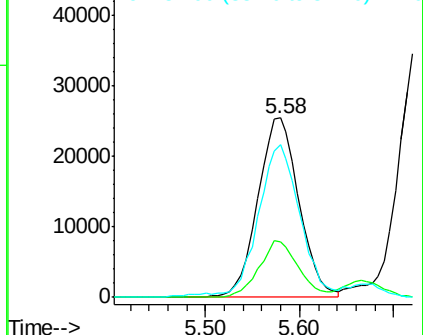
56 100

69 31.0 23.7 35.5

84 83.3 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: 20.57 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

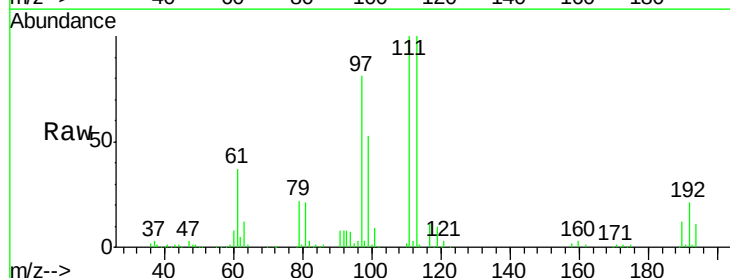
Tgt Ion: 97 Resp: 82123

Ion Ratio Lower Upper

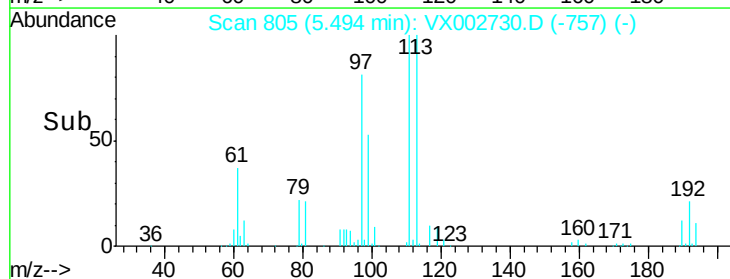
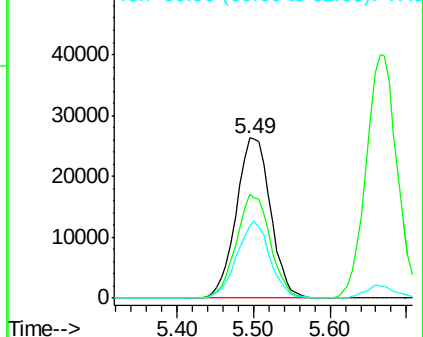
97 100

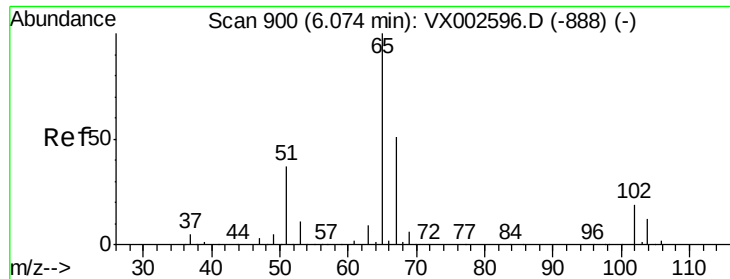
99 64.0 51.6 77.4

61 46.0 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

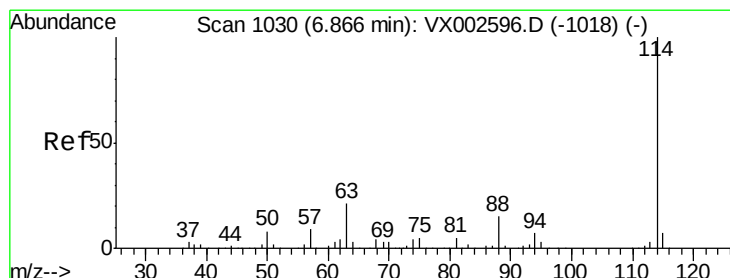
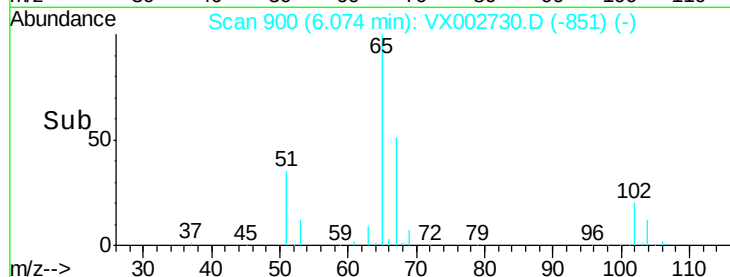
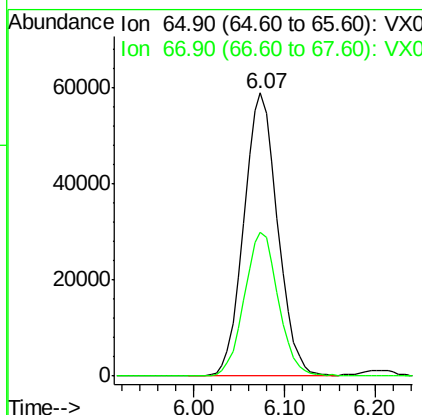
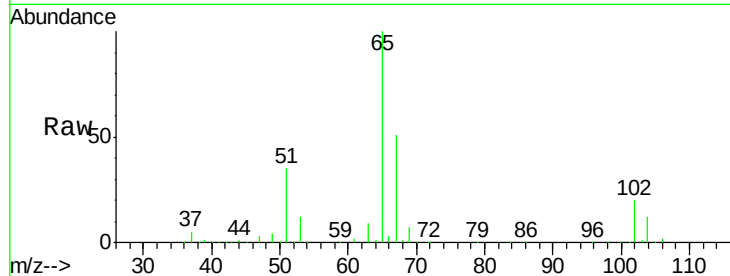




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.98 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

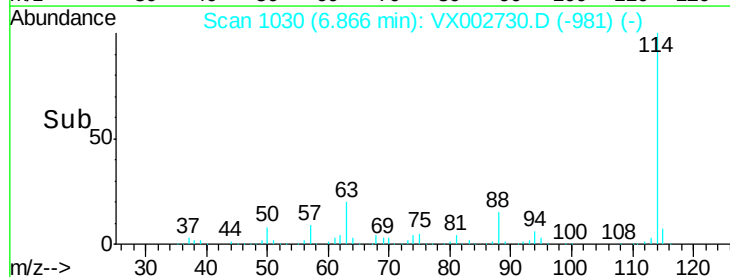
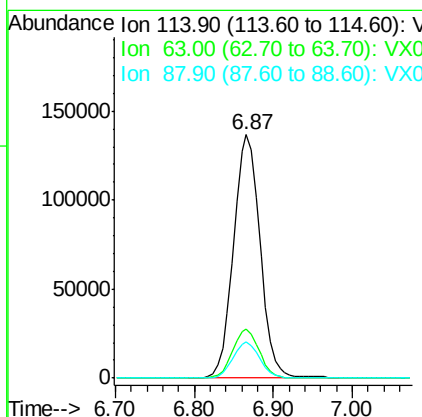
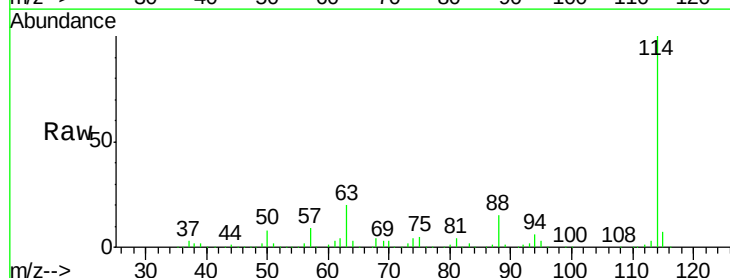
Instrument :  
 MSVOA\_X  
 ClientSampleId :

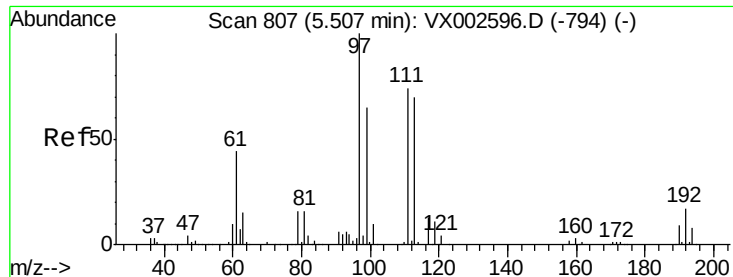
Tot Ion: 65 Resp: 151884  
 Ion Ratio Lower Upper  
 65 100  
 67 51.2 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Tgt Ion: 114 Resp: 321429  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 41.4  
 88 14.7 0.0 30.0

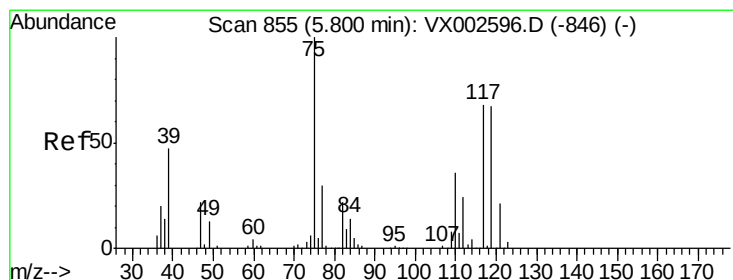
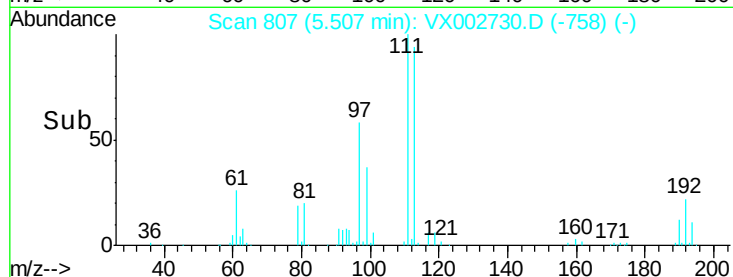
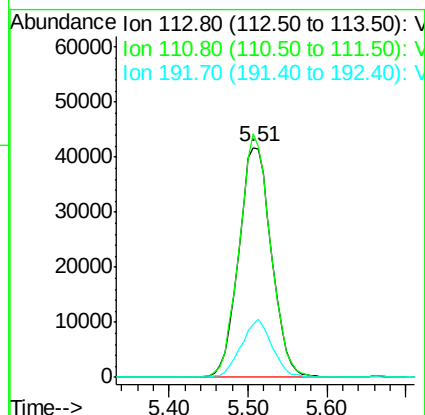
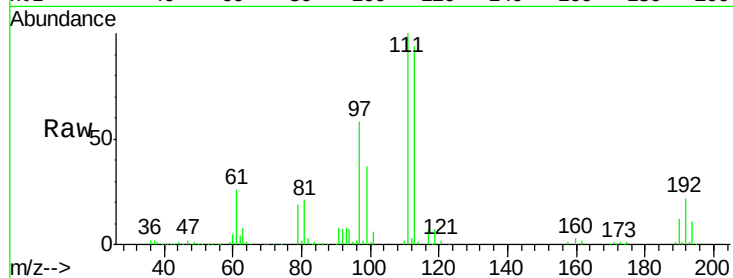




#35  
 Dibromofluoromethane  
 Concen: 47.19 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

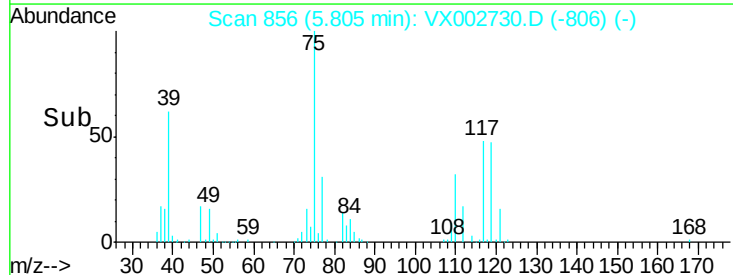
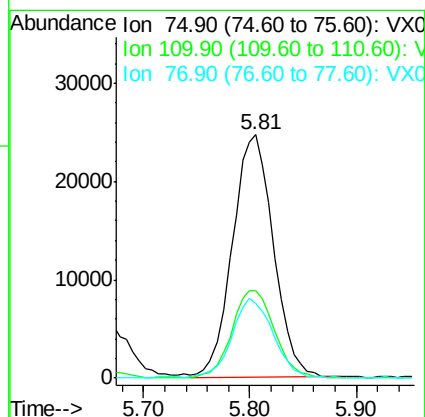
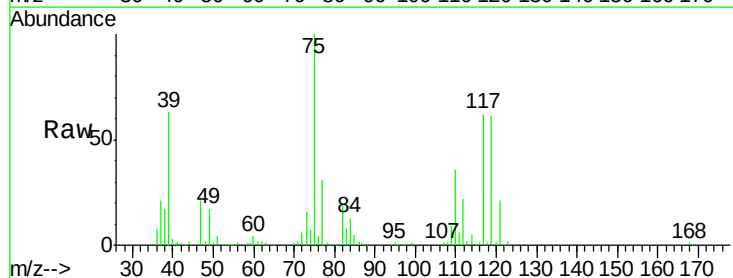
Instrument :  
 MSVOA\_X  
 ClientSampled :

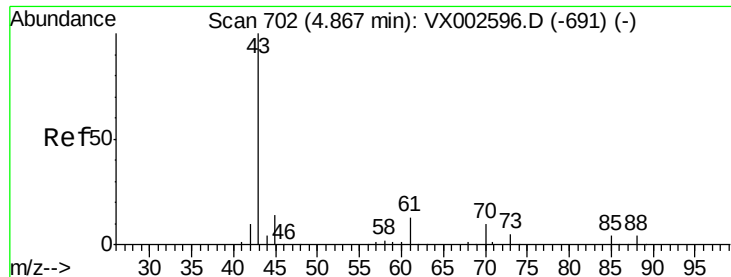
Tot Ion:113 Resp: 121048  
 Ion Ratio Lower Upper  
 113 100  
 111 100.9 81.4 122.0  
 192 23.7 19.1 28.7



#36  
 1,1-Dichloropropene  
 Concen: 19.40 ug/l  
 RT: 5.81 min Scan# 856  
 Delta R.T. 0.01 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Tgt Ion: 75 Resp: 66213  
 Ion Ratio Lower Upper  
 75 100  
 110 37.9 18.1 54.4  
 77 33.6 24.3 36.5

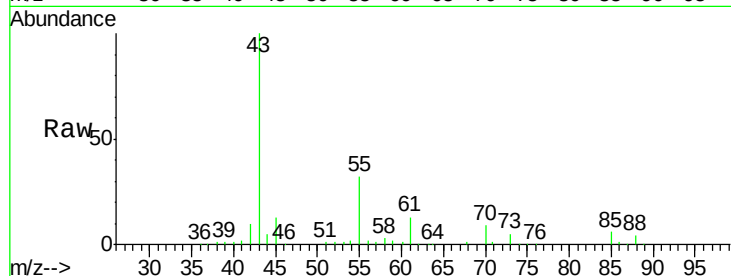




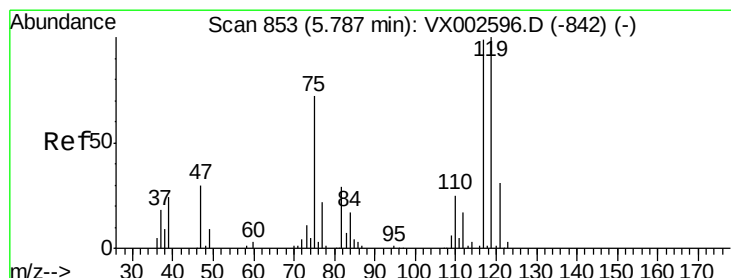
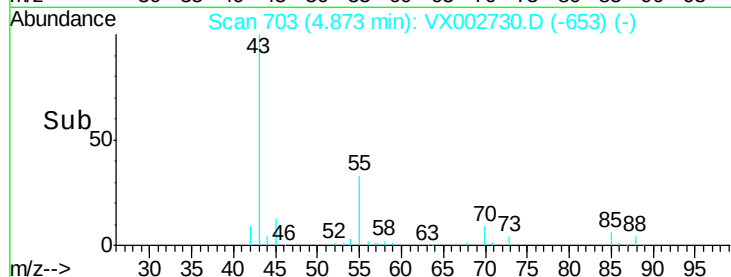
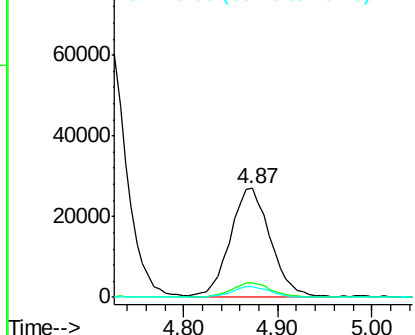
#37  
Ethyl Acetate  
Concen: 20.36 ug/l  
RT: 4.87 min Scan# 703  
Delta R.T. 0.01 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 43 Resp: 78673  
Ion Ratio Lower Upper  
43 100  
61 12.9 10.4 15.6  
70 10.0 7.6 11.4

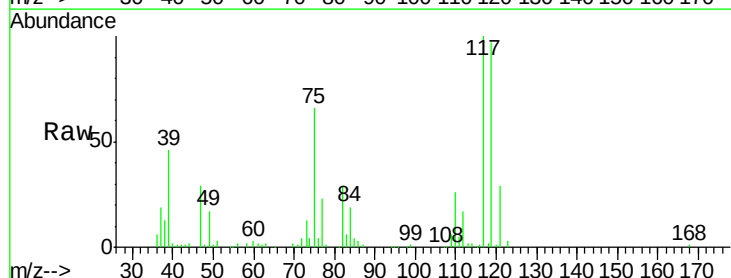


Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 70.00 (69.70 to 70.70): VX0

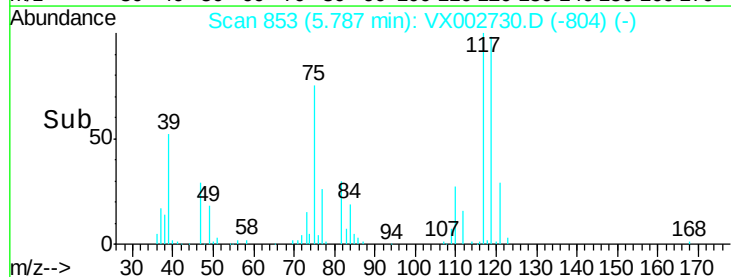
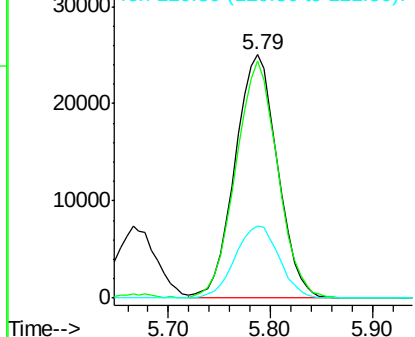


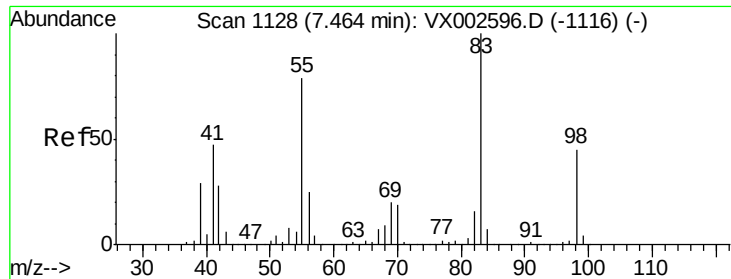
#38  
Carbon Tetrachloride  
Concen: 21.33 ug/l  
RT: 5.79 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion: 117 Resp: 72511  
Ion Ratio Lower Upper  
117 100  
119 97.2 77.4 116.0  
121 29.4 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

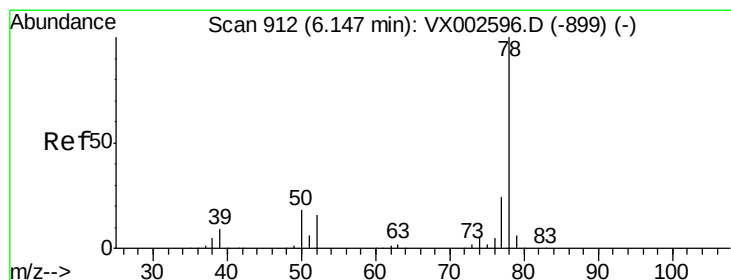
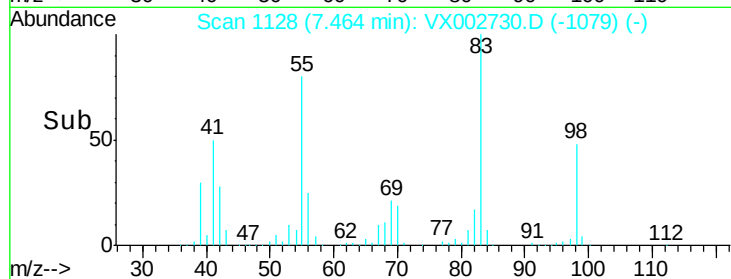
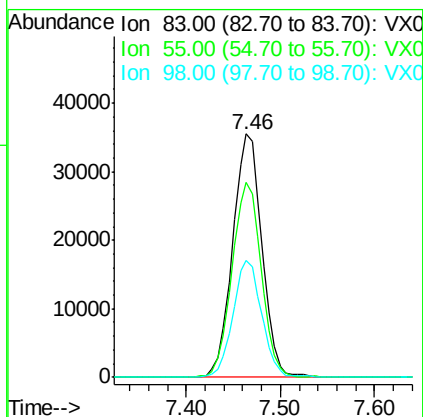
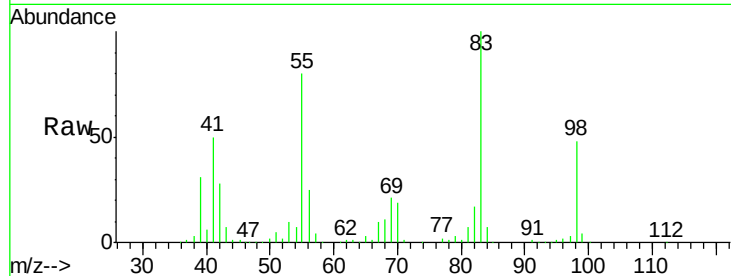




#39  
Methylvlcyclohexane  
Concen: 19.22 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

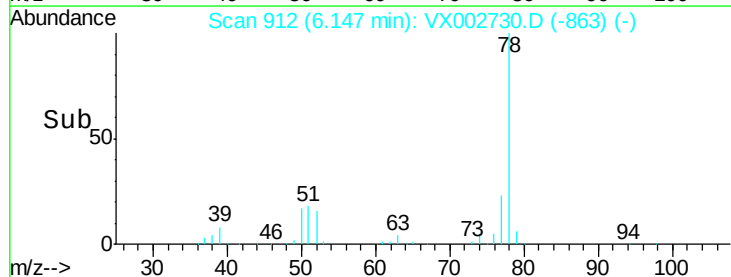
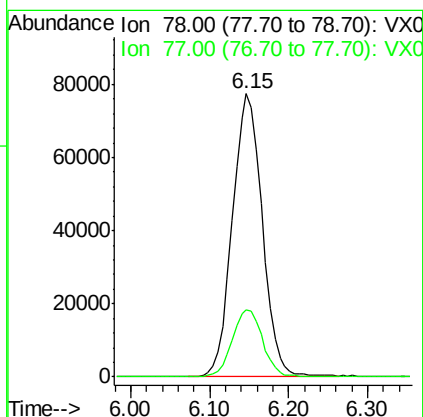
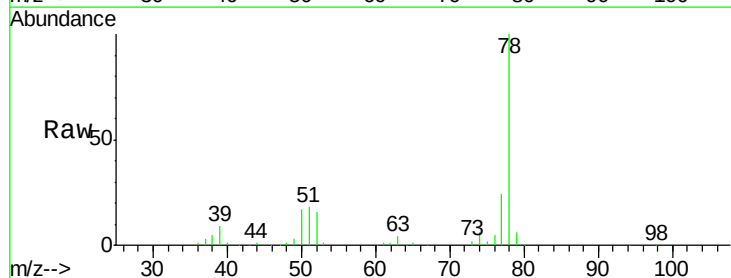
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 83 Resp: 76692  
Ion Ratio Lower Upper  
83 100  
55 79.9 65.4 98.0  
98 48.1 37.4 56.0

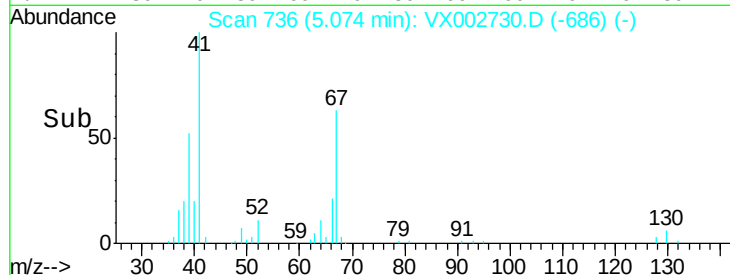
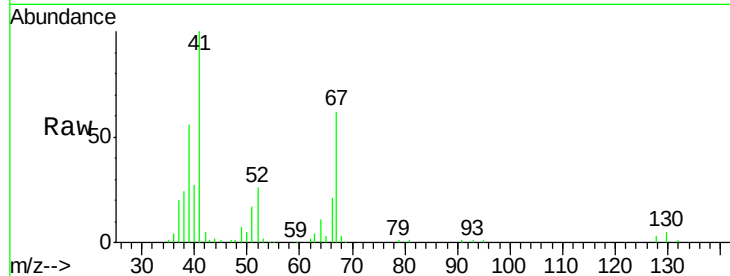
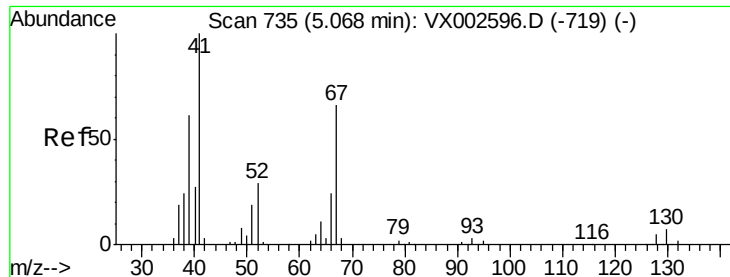


#40  
Benzene  
Concen: 19.94 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion: 78 Resp: 204089  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.1 28.7







#41

Methacrylonitrile

Concen: 20.33 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tot Ion: 41 Resp: 44348

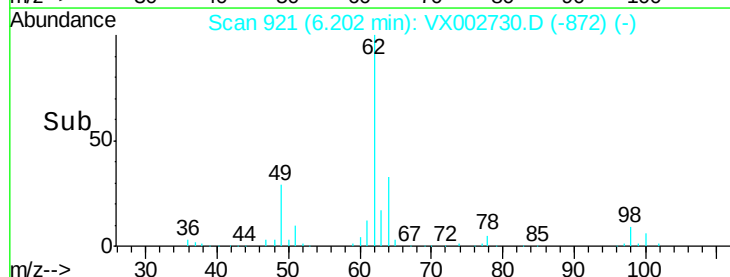
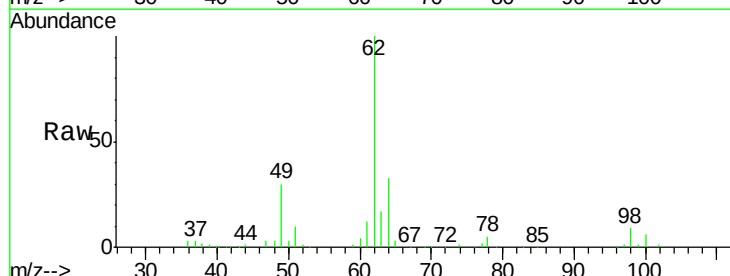
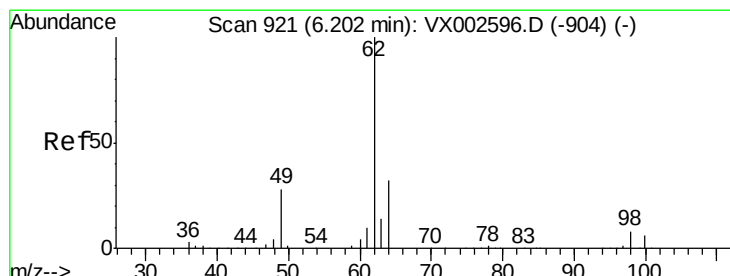
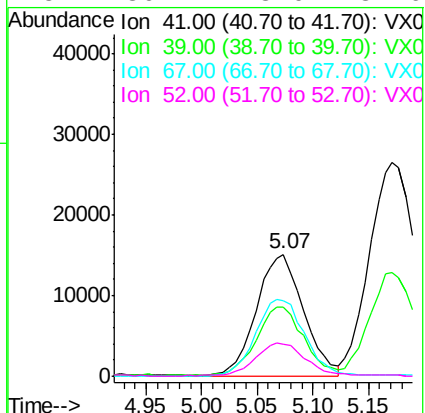
Ion Ratio Lower Upper

41 100

39 56.6 45.8 68.6

67 66.1 51.3 76.9

52 30.4 23.0 34.6



#42

1,2-Dichloroethane

Concen: 20.17 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX002730.D

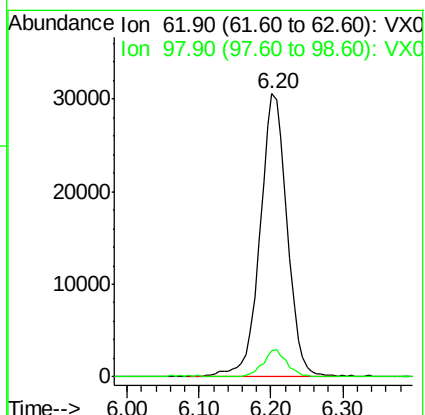
Acq: 19 Jun 2018 22:57

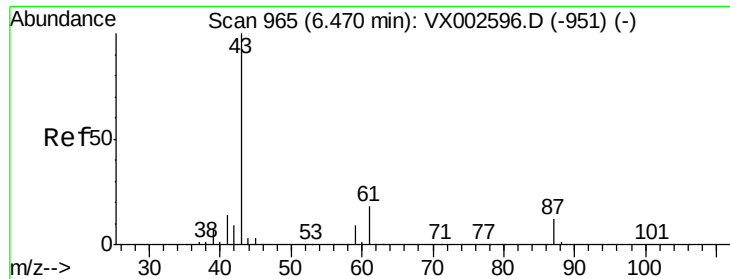
Tgt Ion: 62 Resp: 79917

Ion Ratio Lower Upper

62 100

98 8.6 0.0 16.6





#43

Isopropyl Acetate

Concen: 19.50 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampleId :

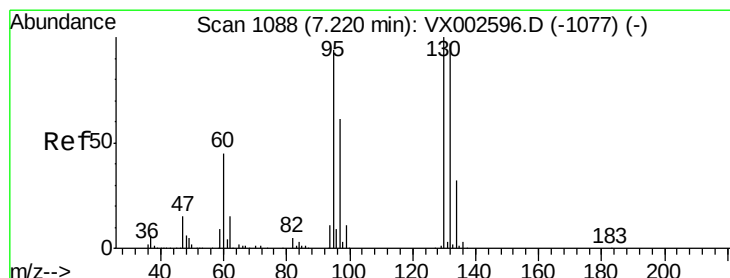
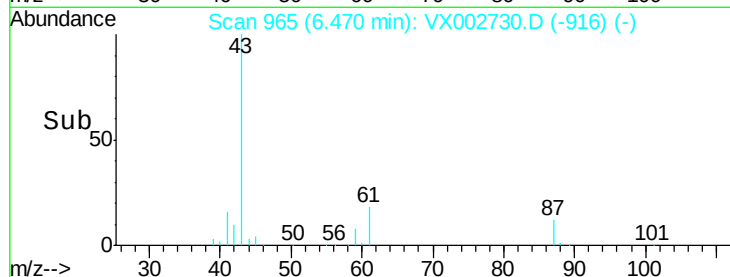
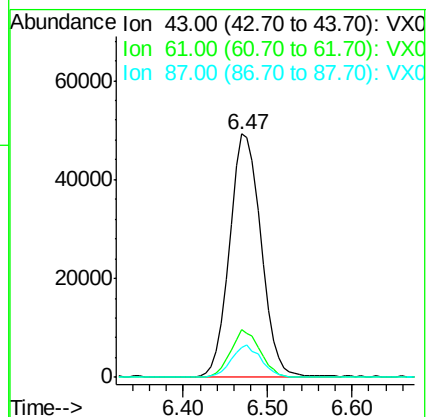
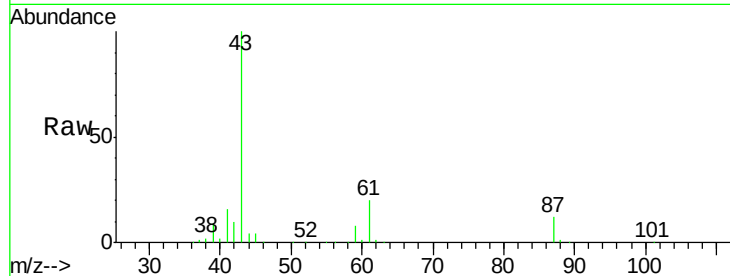
Tot Ion: 43 Resp: 124824

Ion Ratio Lower Upper

43 100

61 18.5 14.4 21.6

87 12.6 9.5 14.3



#44

Trichloroethene

Concen: 19.96 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX002730.D

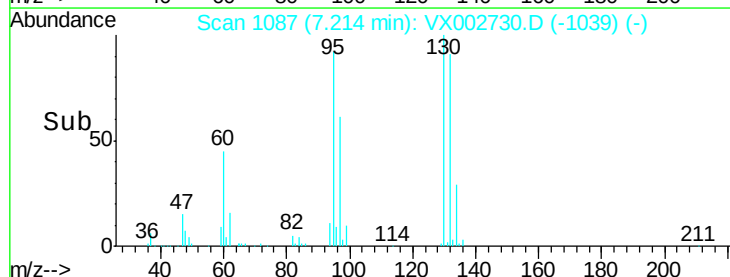
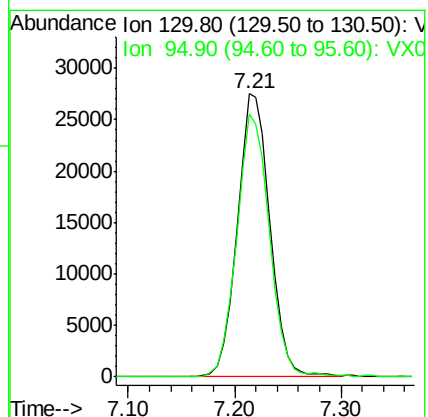
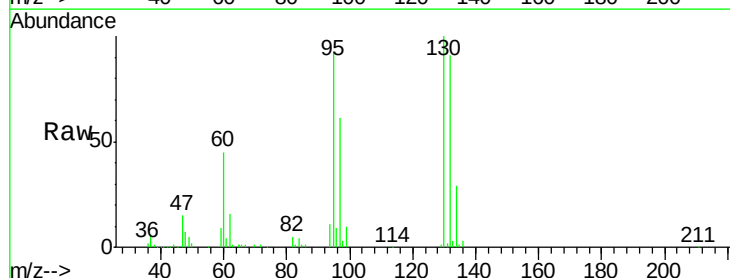
Acq: 19 Jun 2018 22:57

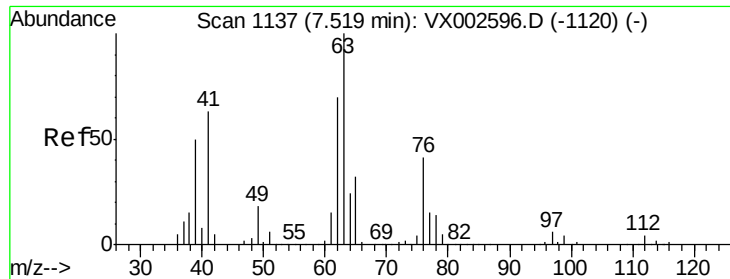
Tgt Ion:130 Resp: 58978

Ion Ratio Lower Upper

130 100

95 92.7 0.0 185.4

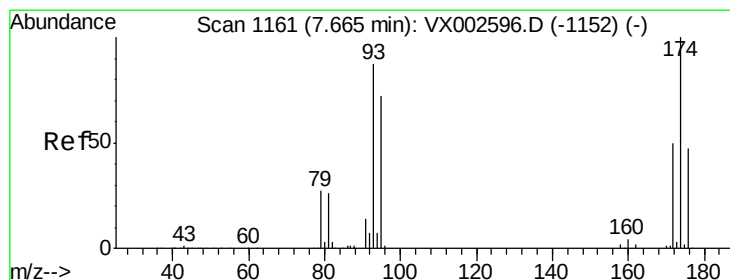
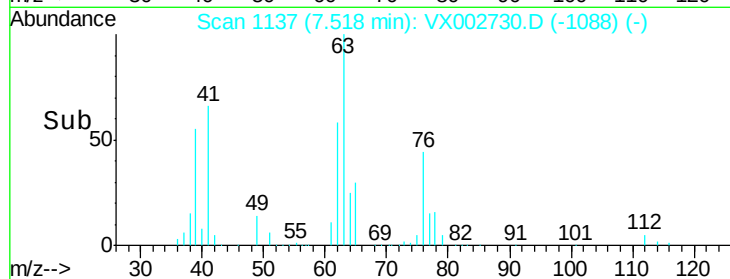
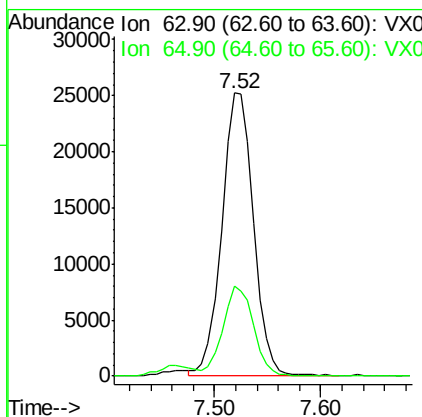
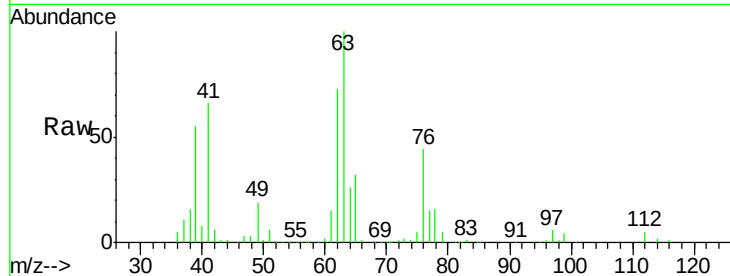




#45  
 1,2-Dichloropropane  
 Concen: 19.49 ug/l  
 RT: 7.52 min Scan# 1137  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

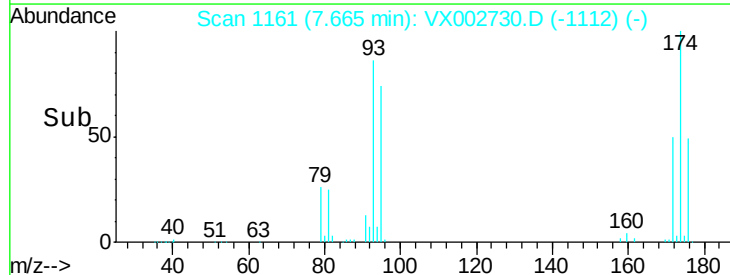
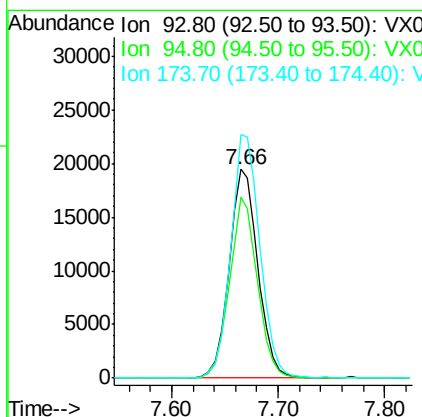
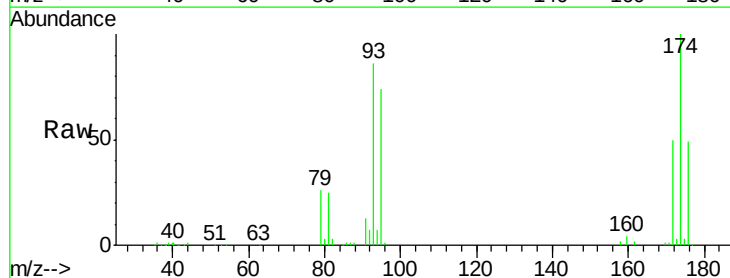
Instrument :  
 MSVOA\_X  
 ClientSampleId :

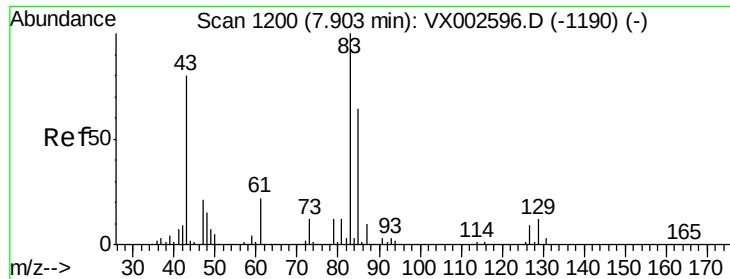
Tot Ion: 63 Resp: 52502  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 24.7 37.1



#46  
 Dibromomethane  
 Concen: 20.45 ug/l  
 RT: 7.66 min Scan# 1161  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Tgt Ion: 93 Resp: 36855  
 Ion Ratio Lower Upper  
 93 100  
 95 83.6 65.9 98.9  
 174 118.2 92.4 138.6





#47

Bromodichloromethane

Concen: 20.78 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :  
MSVOA\_X  
ClientSampleId :

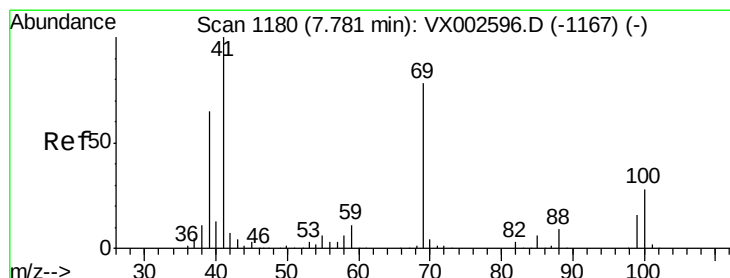
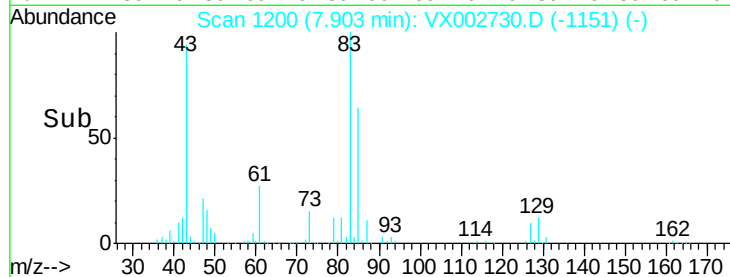
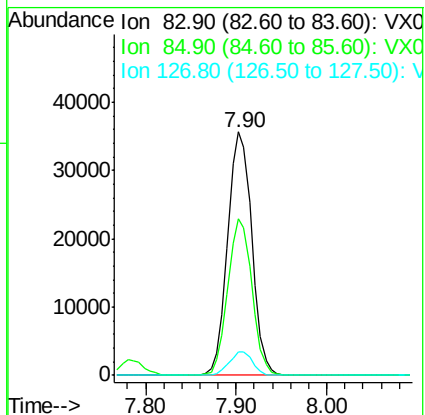
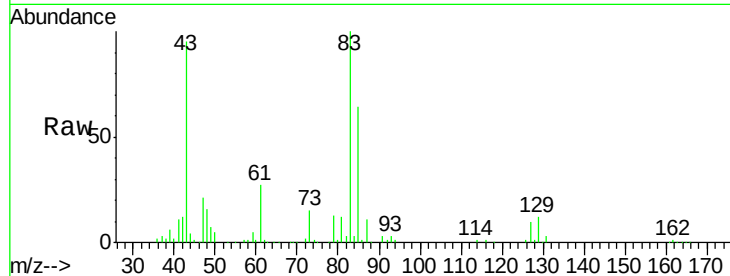
Tot Ion: 83 Resp: 66034

Ion Ratio Lower Upper

83 100

85 64.1 50.3 75.5

127 9.6 7.0 10.4



#48

Methyl methacrylate

Concen: 19.72 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

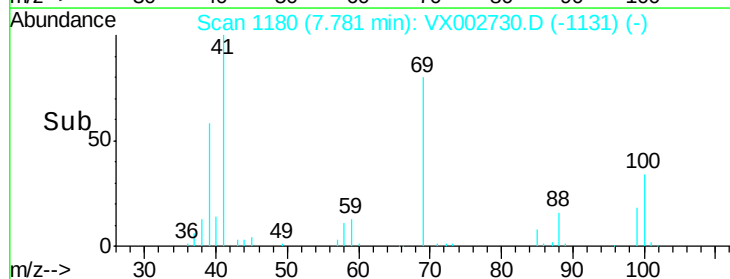
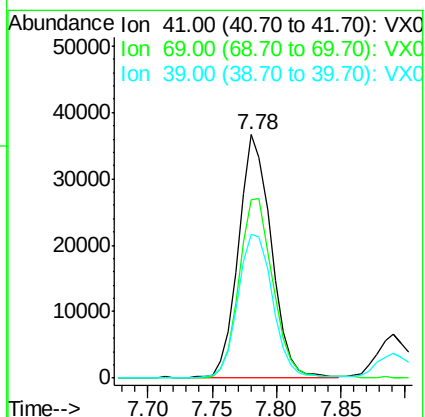
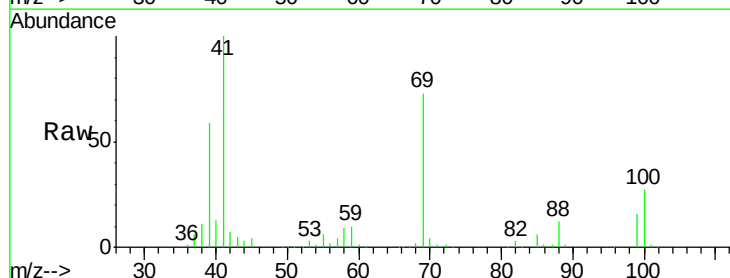
Tgt Ion: 41 Resp: 64511

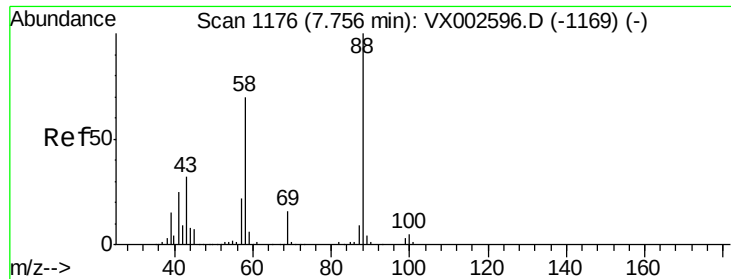
Ion Ratio Lower Upper

41 100

69 77.1 59.1 88.7

39 63.0 48.9 73.3

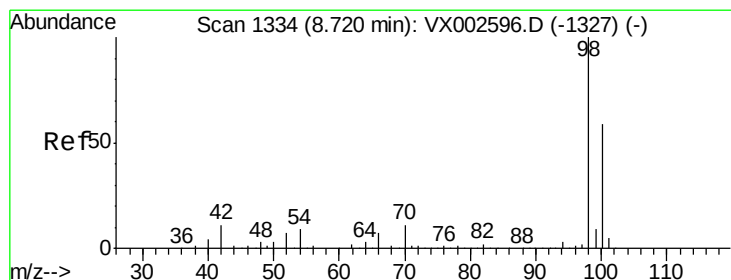
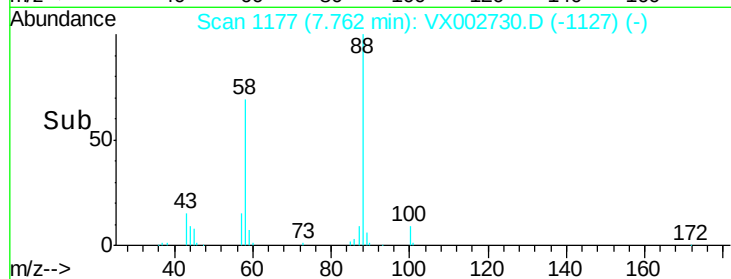
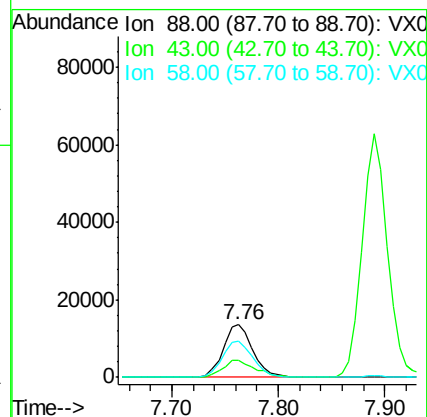
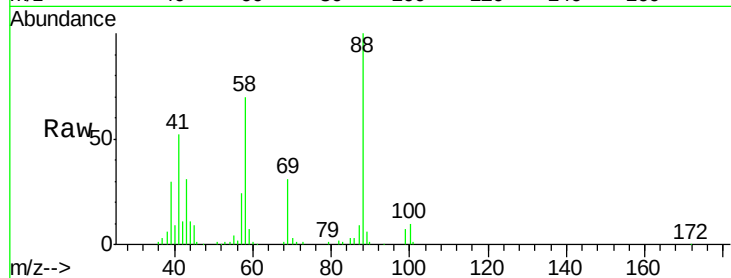




#49  
1,4-Dioxane  
Concen: 424.37 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. 0.01 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

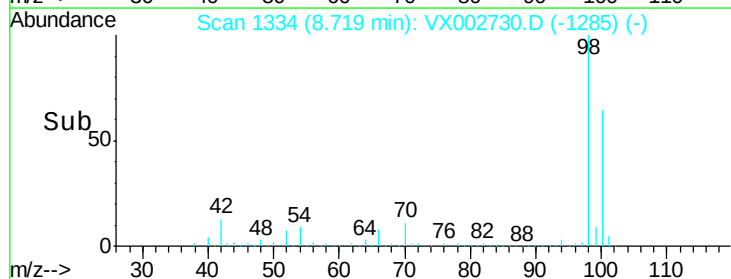
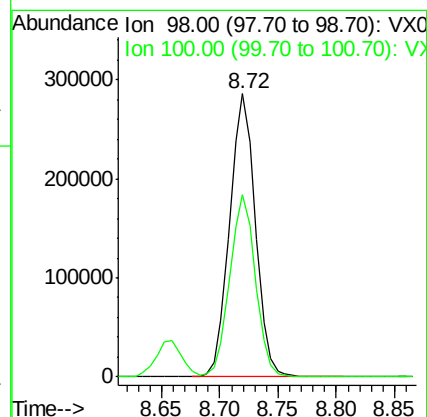
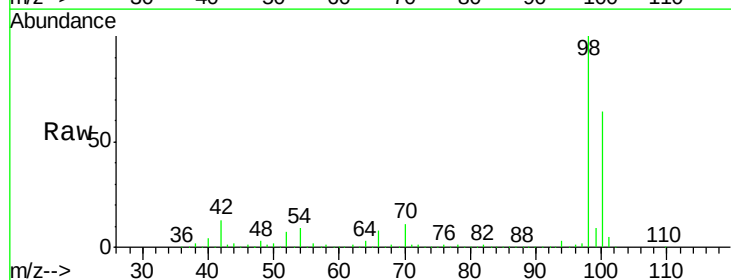
Instrument :  
MSVOA\_X  
ClientSampled :

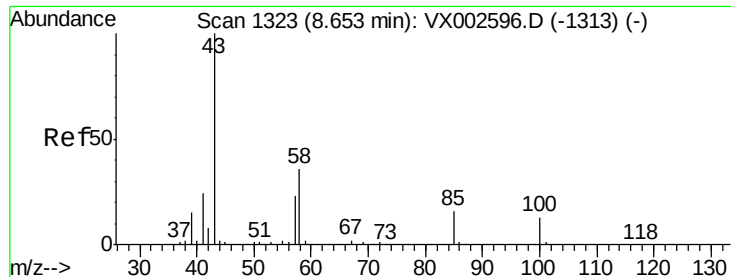
Tot Ion: 88 Resp: 26291  
Ion Ratio Lower Upper  
88 100  
43 35.5 29.8 44.6  
58 72.0 57.1 85.7



#50  
Toluene-d8  
Concen: 45.15 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion: 98 Resp: 439792  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 103.26 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

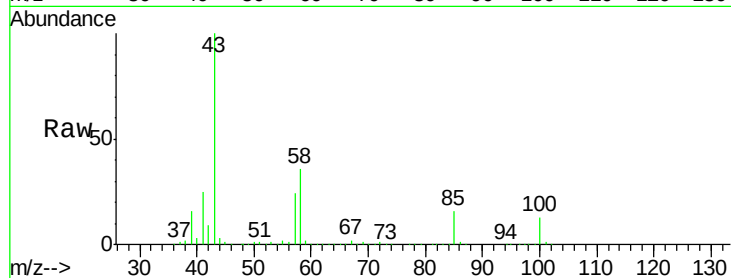
ClientSampleId :

Tot Ion: 43 Resp: 424443

Ion Ratio Lower Upper

43 100

58 36.3 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

250000

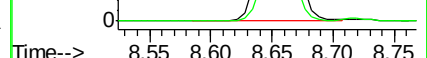
200000

150000

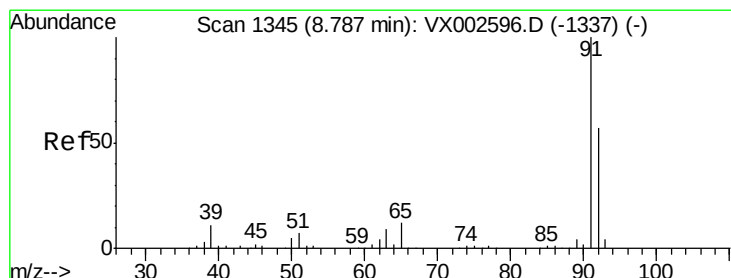
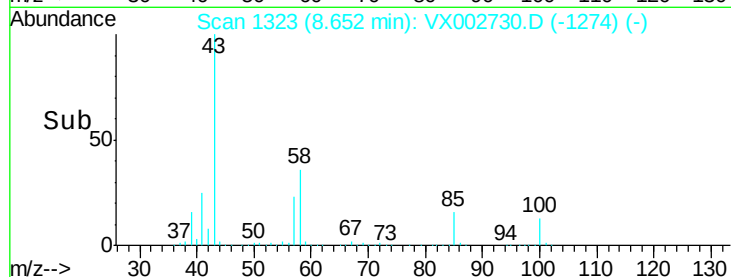
100000

50000

0



Time--> 8.55 8.60 8.65 8.70 8.75



#52

Toluene

Concen: 20.06 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002730.D

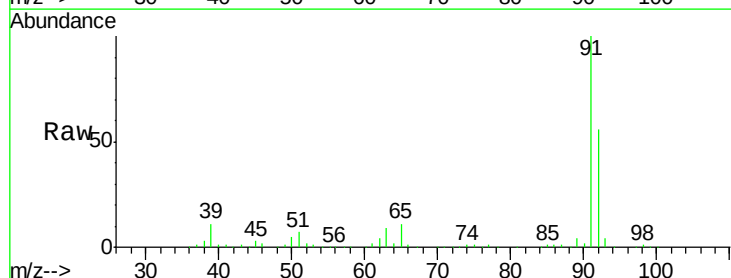
Acq: 19 Jun 2018 22:57

Tgt Ion: 92 Resp: 130970

Ion Ratio Lower Upper

92 100

91 177.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

150000

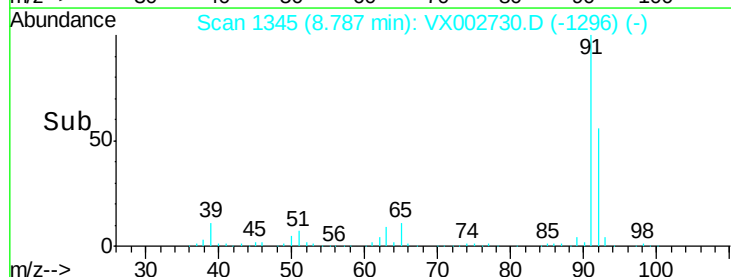
100000

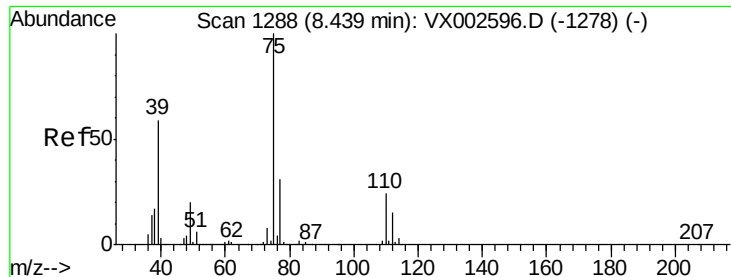
50000

0



Time--> 8.70 8.80 8.90





#53

t-1,3-Dichloropropene

Concen: 18.58 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

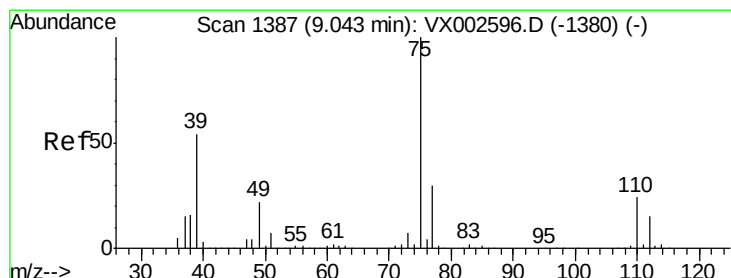
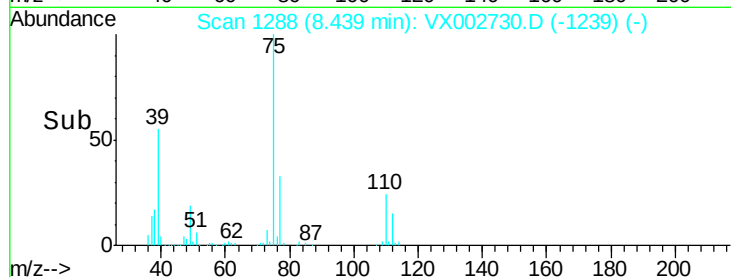
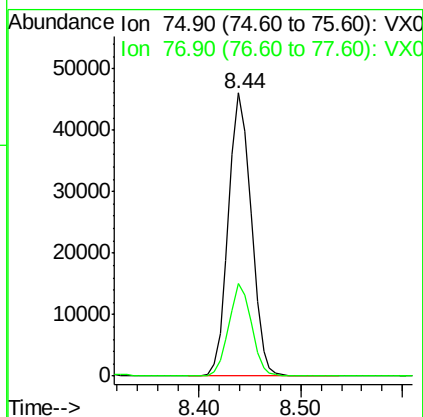
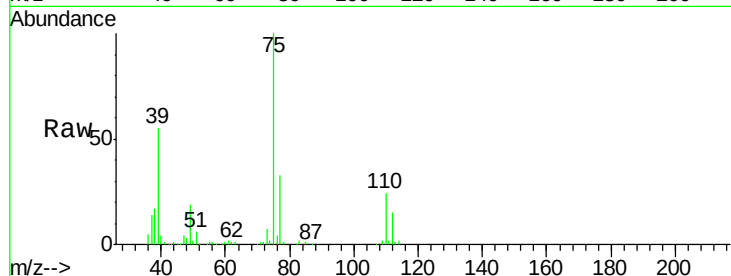
Instrument :  
MSVOA\_X  
ClientSampled :

Tot Ion: 75 Resp: 71544

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 18.28 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

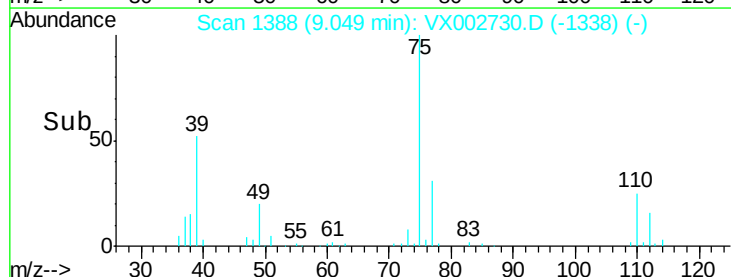
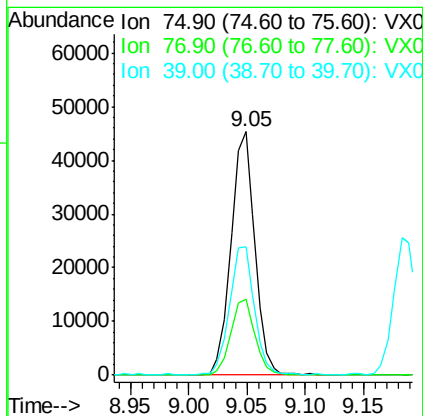
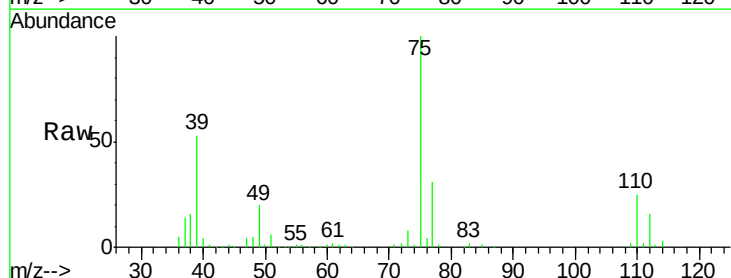
Tgt Ion: 75 Resp: 64639

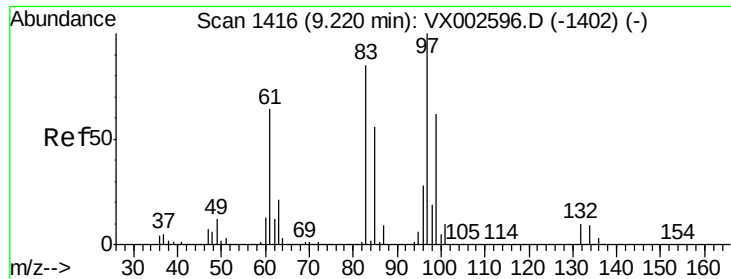
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 52.3 42.4 63.6



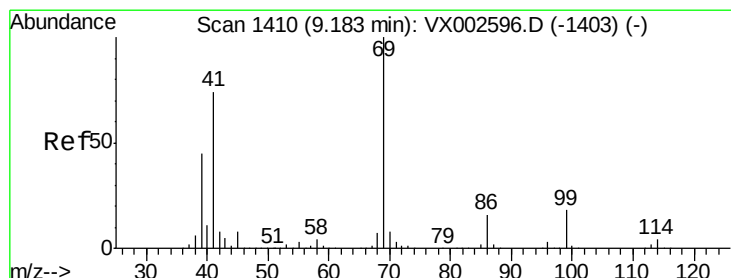
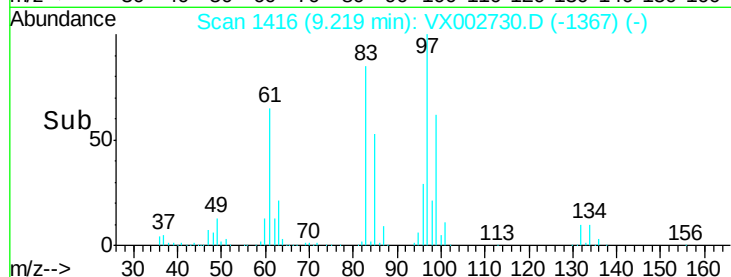
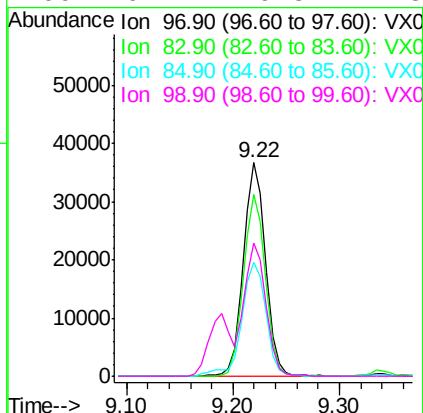
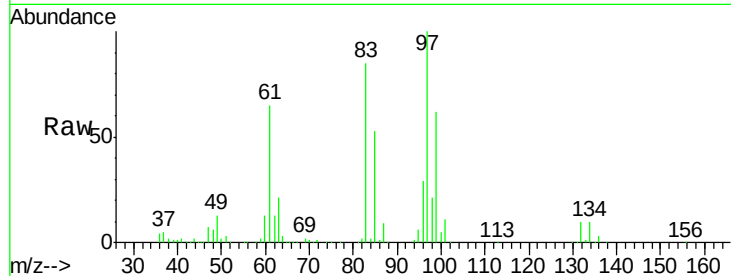


#55  
 1,1,2-Trichloroethane  
 Concen: 20.35 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Instrument :  
 MSVOA\_X  
 ClientSampled :

Tot Ion: 97 Resp: 53694  

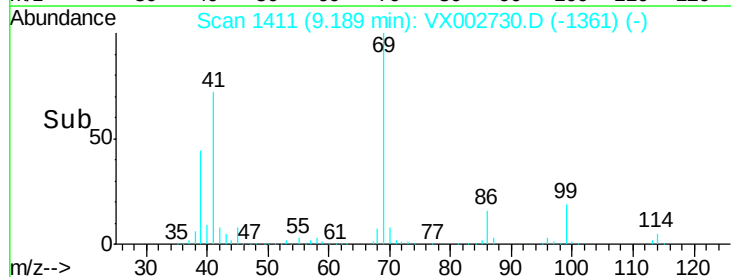
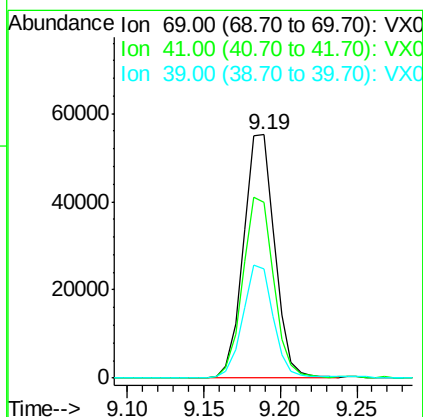
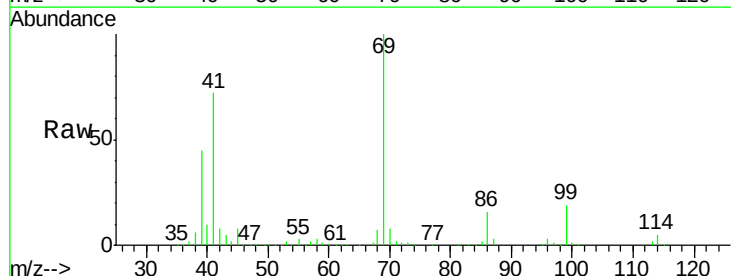
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.9  | 70.2  | 105.2 |
| 85  | 53.3  | 44.9  | 67.3  |
| 99  | 62.4  | 49.8  | 74.8  |



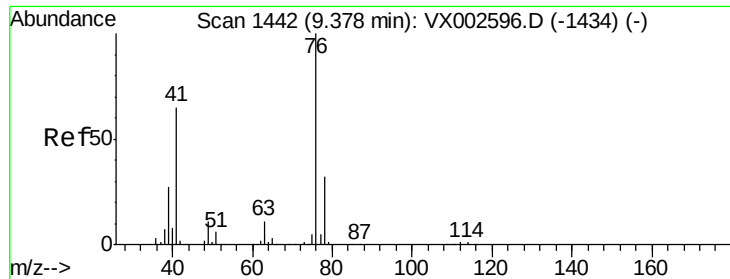
#56  
 Ethyl methacrylate  
 Concen: 19.29 ug/l  
 RT: 9.19 min Scan# 1411  
 Delta R.T. 0.01 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Tgt Ion: 69 Resp: 78325  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 73.2  | 60.3  | 90.5  |
| 39  | 44.8  | 35.8  | 53.8  |



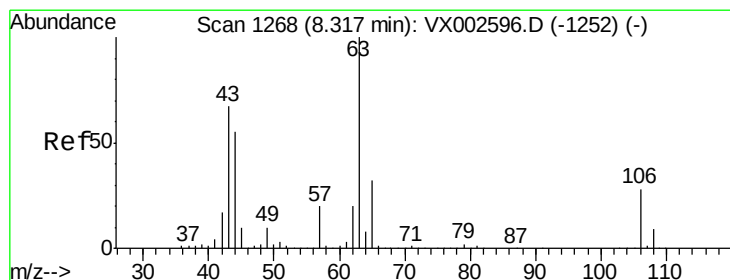
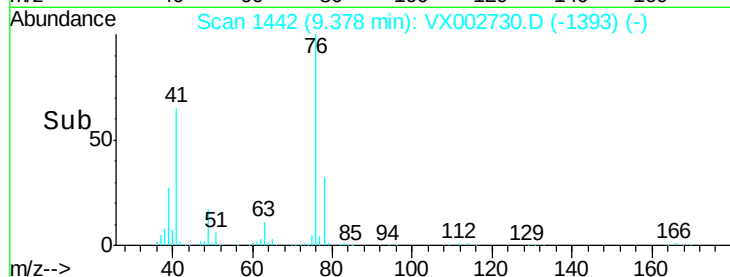
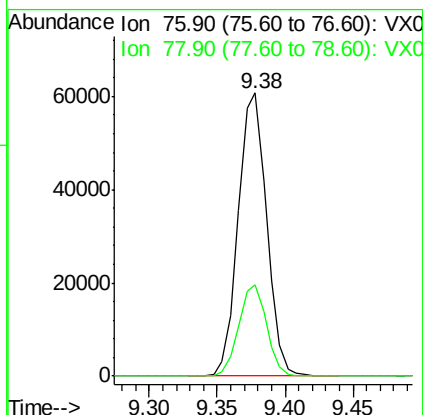
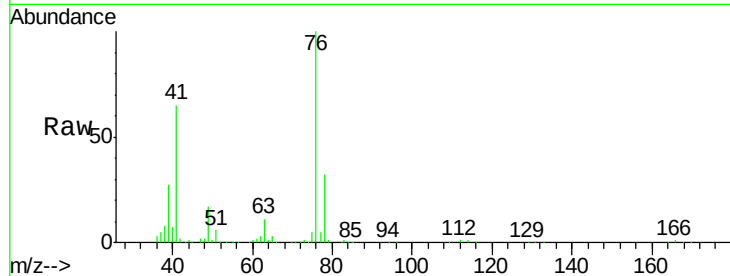




#57  
 1,3-Dichloropropane  
 Concen: 19.88 ug/l  
 RT: 9.38 min Scan# 1442  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

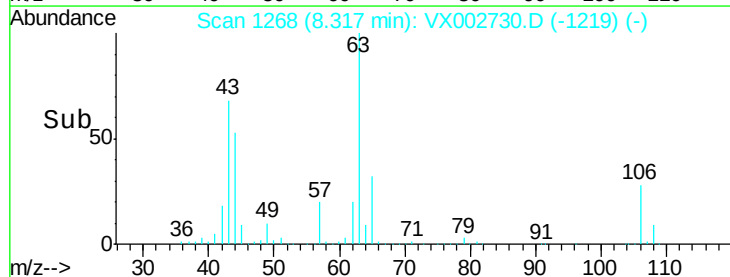
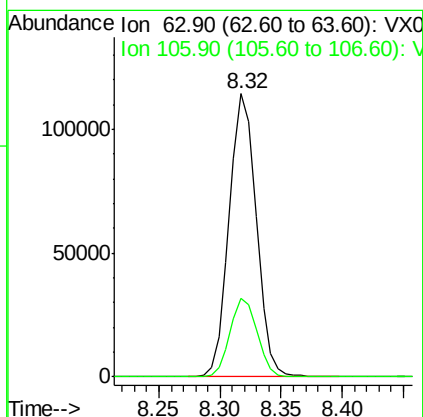
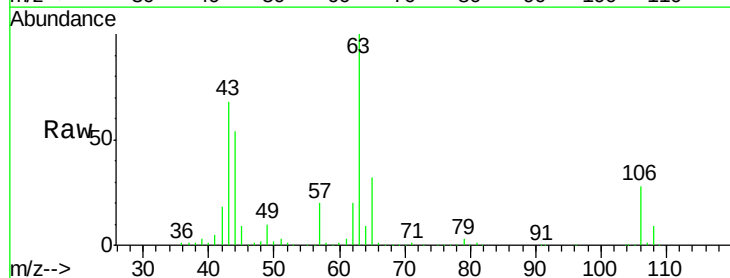
Instrument :  
 MSVOA\_X  
 ClientSampled :

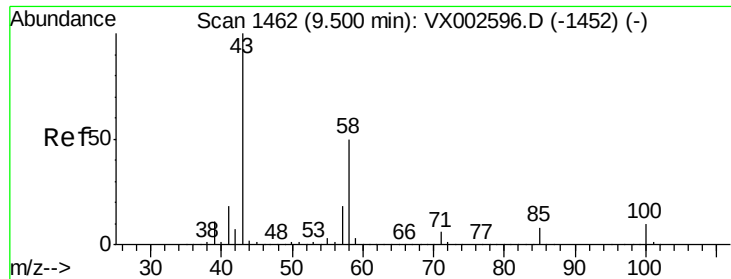
Tot Ion: 76 Resp: 88720  
 Ion Ratio Lower Upper  
 76 100  
 78 31.9 25.8 38.6



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 89.83 ug/l  
 RT: 8.32 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Tgt Ion: 63 Resp: 176411  
 Ion Ratio Lower Upper  
 63 100  
 106 27.6 21.8 32.8

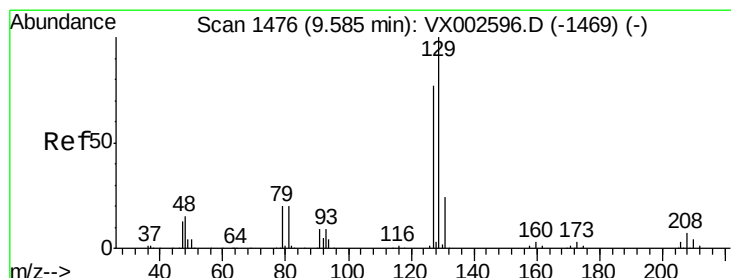
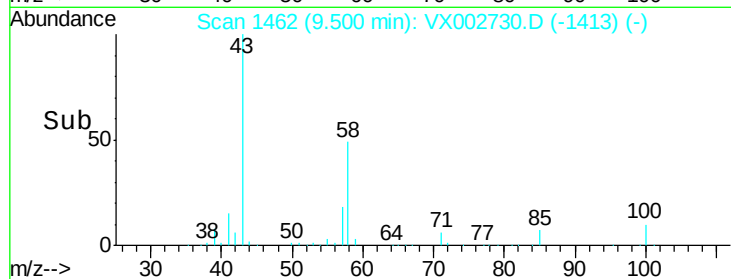
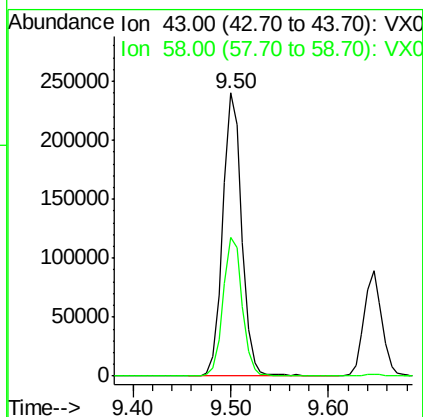
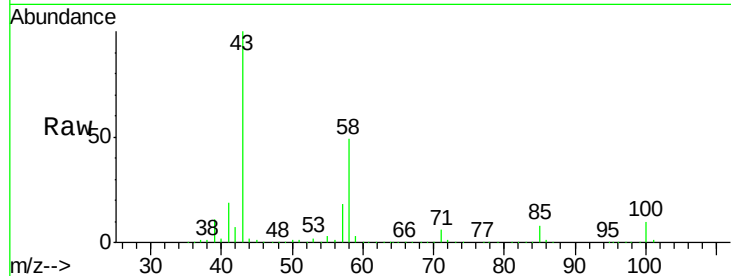




#59  
2-Hexanone  
Concen: 104.20 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

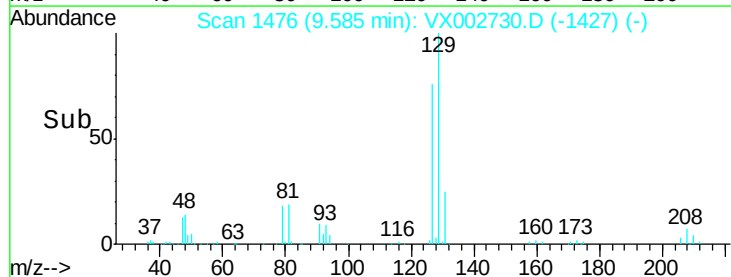
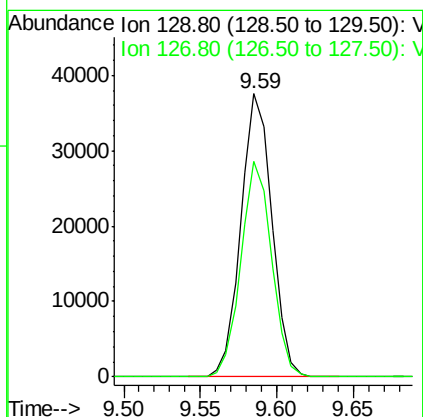
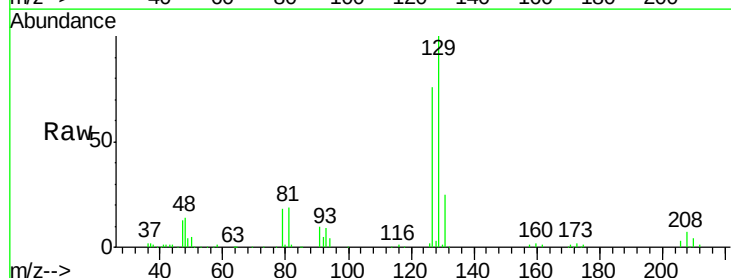
Instrument :  
MSVOA\_X  
ClientSampleId :

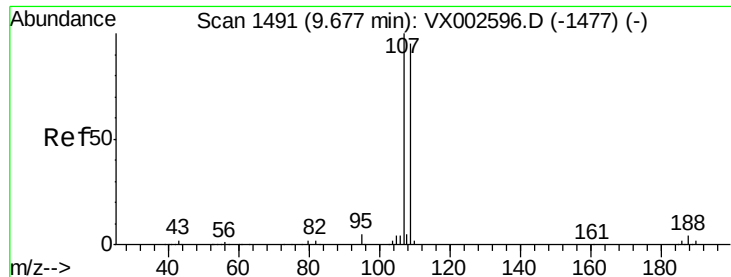
Tot Ion: 43 Resp: 322735  
Ion Ratio Lower Upper  
43 100  
58 49.6 24.6 73.6



#60  
Dibromochloromethane  
Concen: 20.25 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. 0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion:129 Resp: 52916  
Ion Ratio Lower Upper  
129 100  
127 75.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.95 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

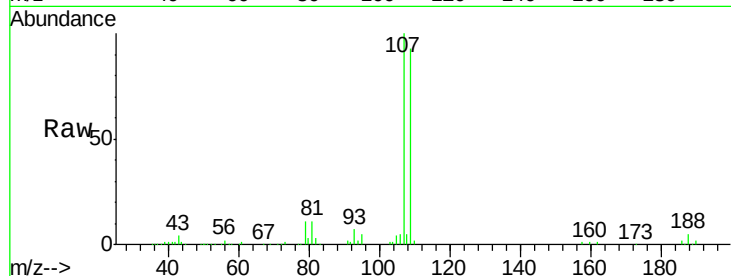
Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:107 Resp: 57249

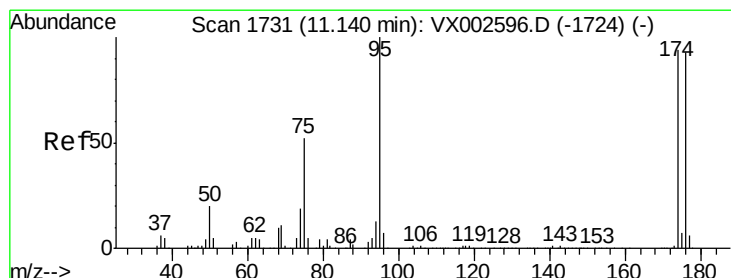
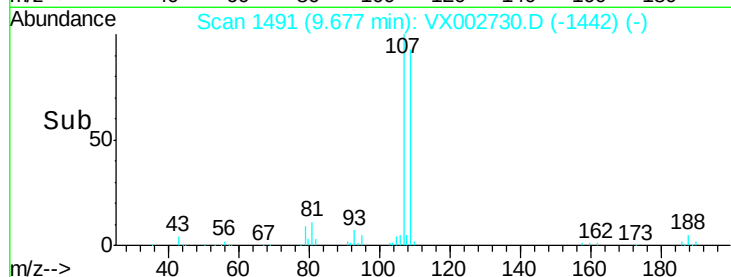
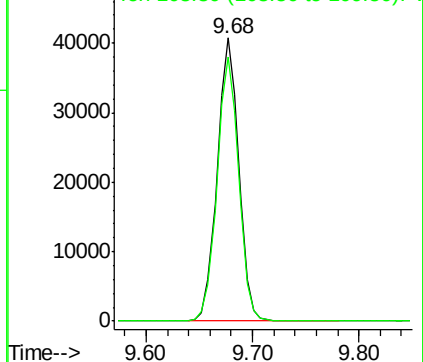
Ion Ratio Lower Upper

107 100

109 93.7 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: 44.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

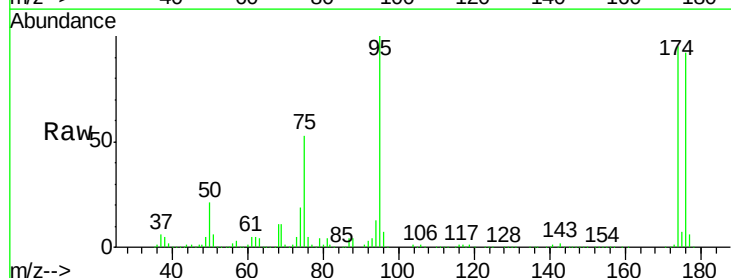
Tgt Ion: 95 Resp: 163533

Ion Ratio Lower Upper

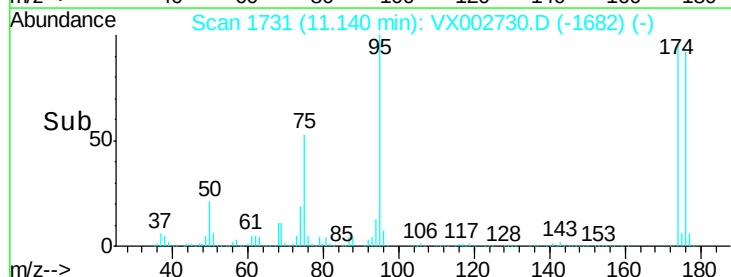
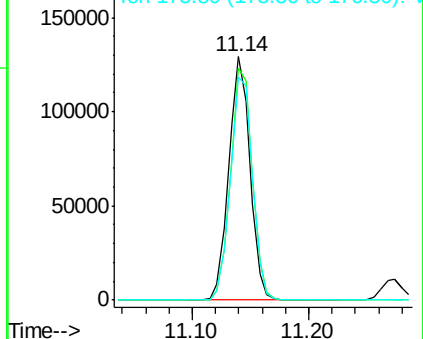
95 100

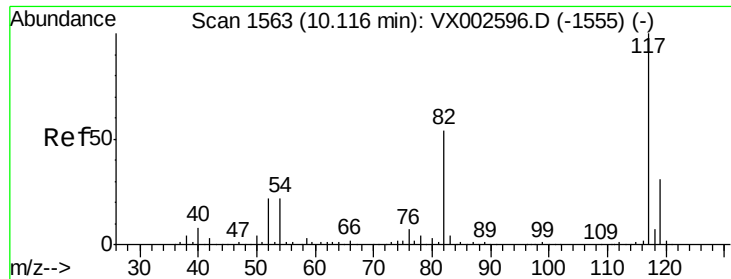
174 97.9 0.0 187.4

176 96.2 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

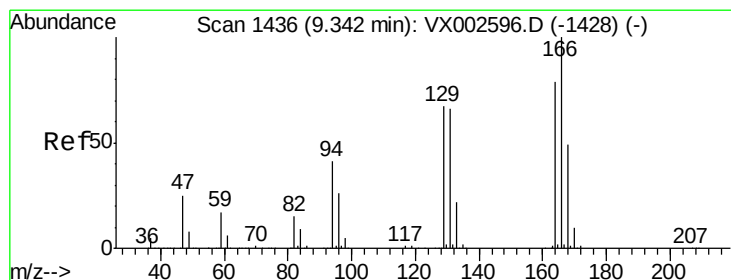
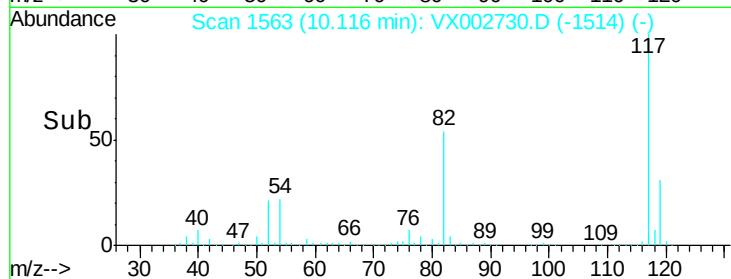
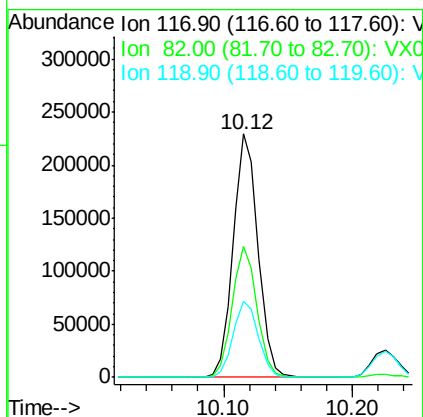
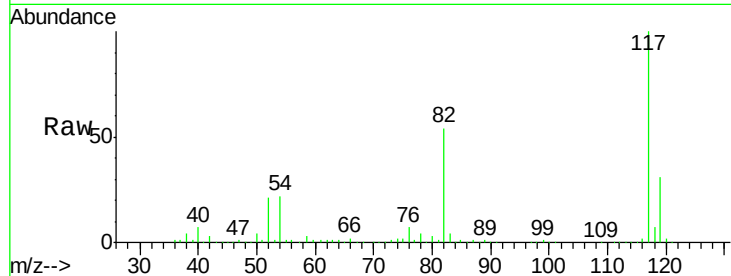




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

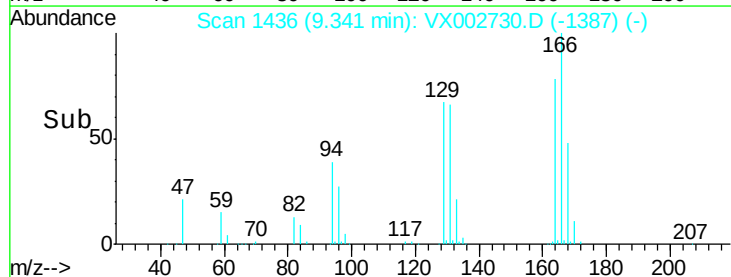
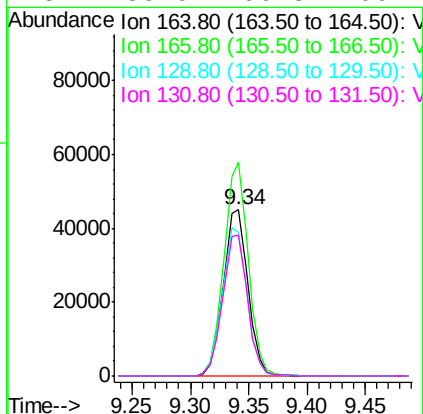
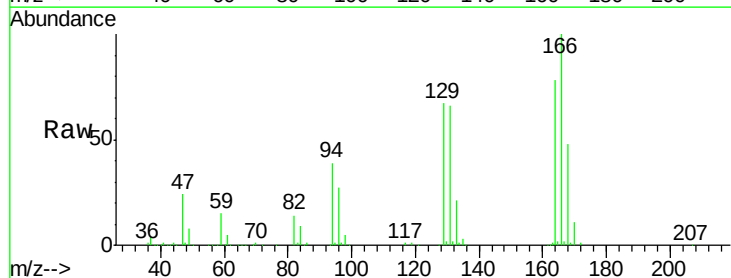
Instrument :  
MSVOA\_X  
ClientSampleId :

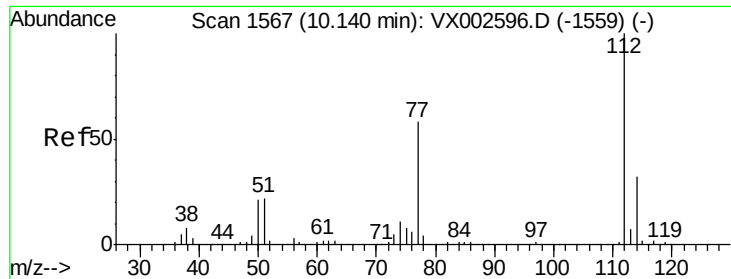
Tot Ion:117 Resp: 308446  
Ion Ratio Lower Upper  
117 100  
82 54.0 45.0 67.4  
119 31.3 25.8 38.6



#64  
Tetrachloroethene  
Concen: 19.35 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion:164 Resp: 66241  
Ion Ratio Lower Upper  
164 100  
166 128.6 102.9 154.3  
129 86.4 68.6 102.8  
131 85.0 66.8 100.2

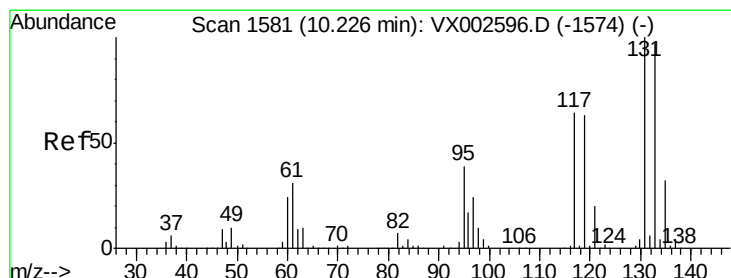
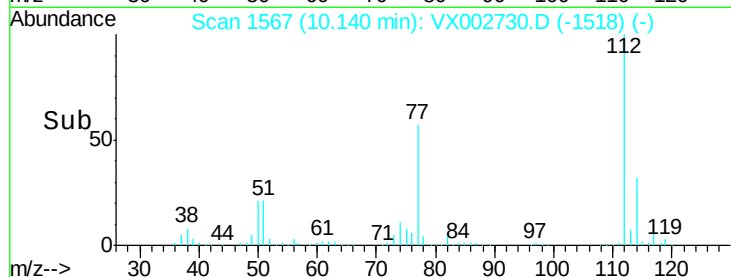
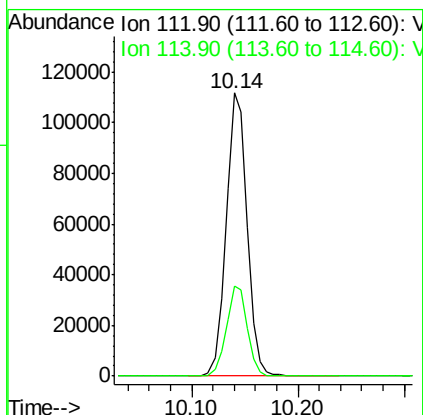
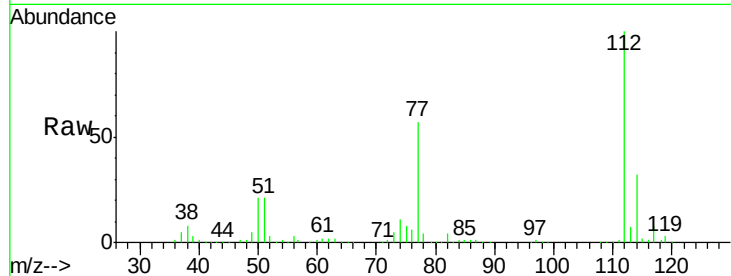




#65  
Chlorobenzene  
Concen: 20.28 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

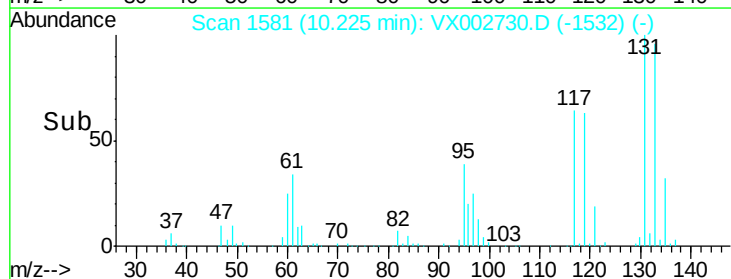
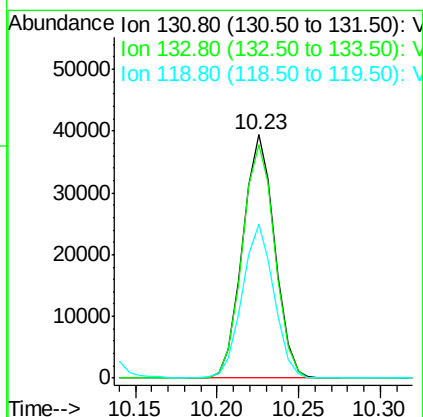
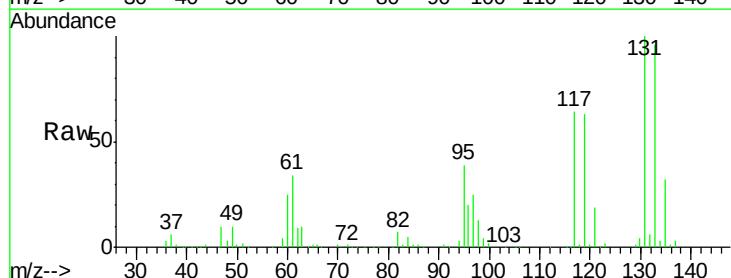
Instrument :  
MSVOA\_X  
ClientSampleId :

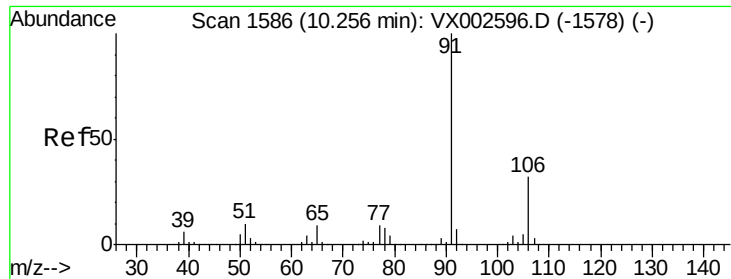
Tot Ion:112 Resp: 153596  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.3 37.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.91 ug/l  
RT: 10.23 min Scan# 1581  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion:131 Resp: 53994  
Ion Ratio Lower Upper  
131 100  
133 97.4 47.9 143.6  
119 63.0 31.8 95.3





#67

Ethyl Benzene

Concen: 19.71 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

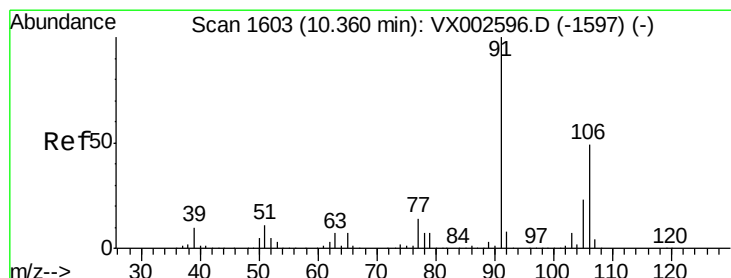
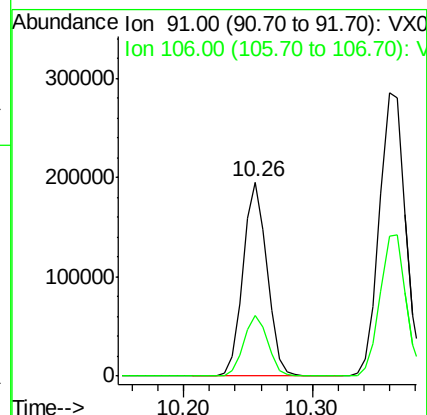
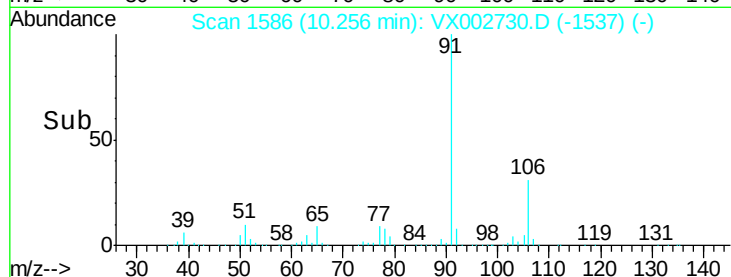
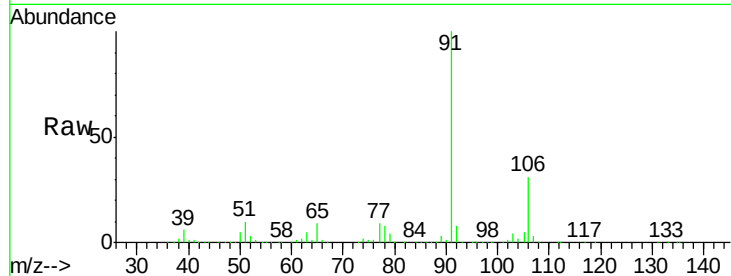
ClientSampleId :

Tot Ion: 91 Resp: 251865

Ion Ratio Lower Upper

91 100

106 31.1 25.5 38.3



#68

m/p-Xylenes

Concen: 39.83 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX002730.D

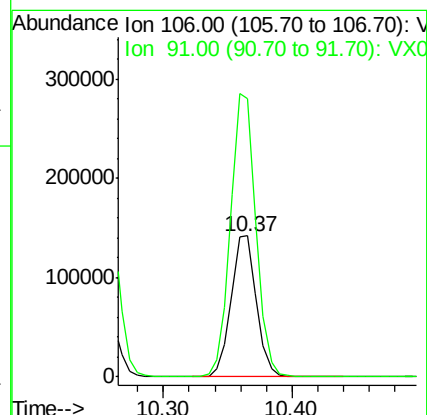
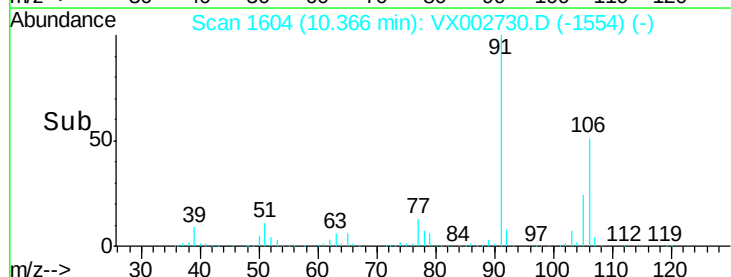
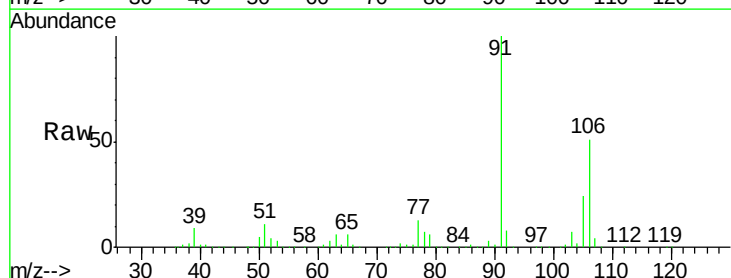
Acq: 19 Jun 2018 22:57

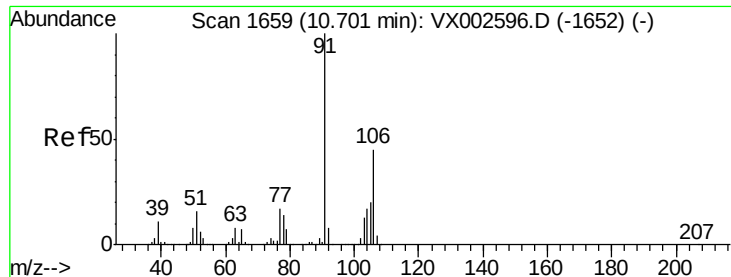
Tgt Ion: 106 Resp: 196303

Ion Ratio Lower Upper

106 100

91 202.0 163.4 245.2

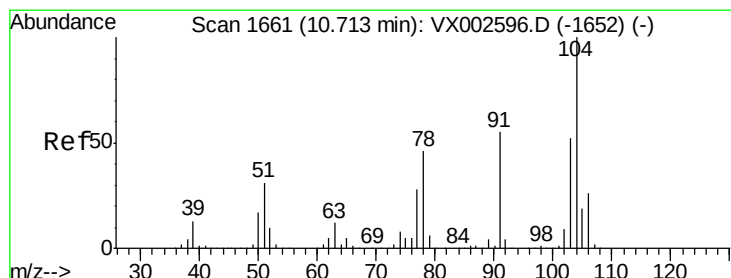
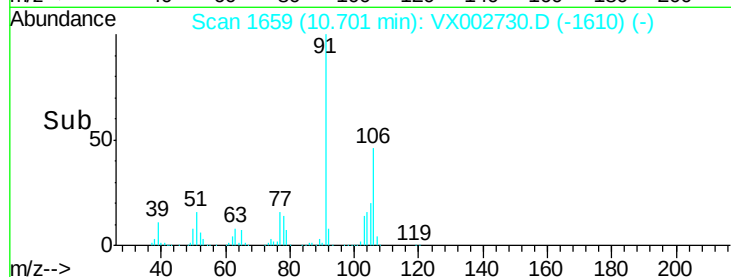
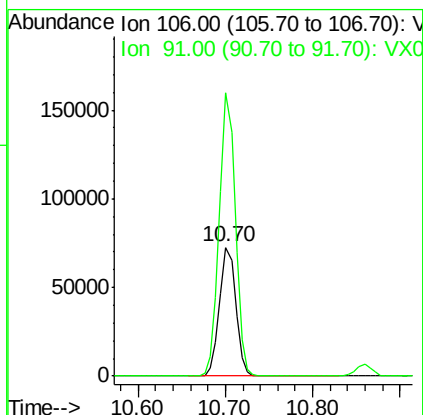
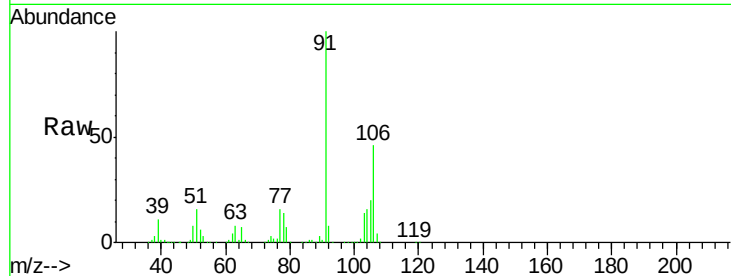




#69  
o-Xylene  
Concen: 19.43 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

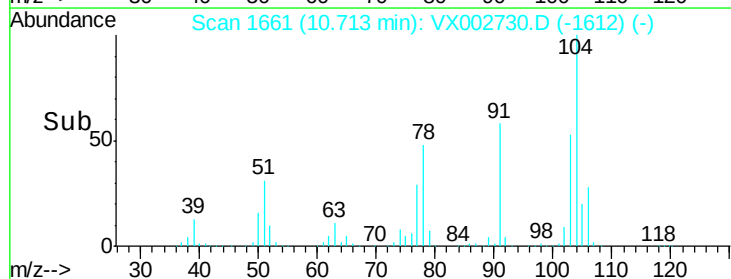
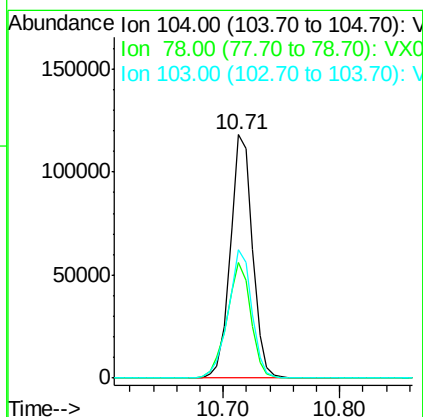
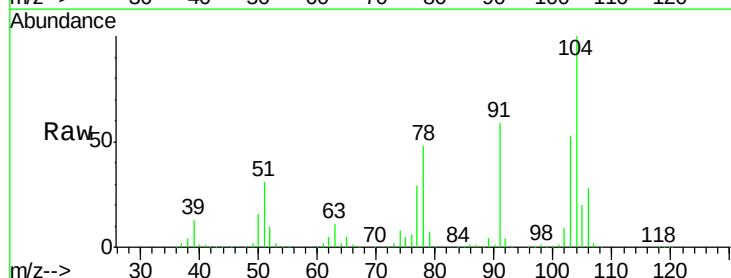
Instrument :  
MSVOA\_X  
ClientSampleId :

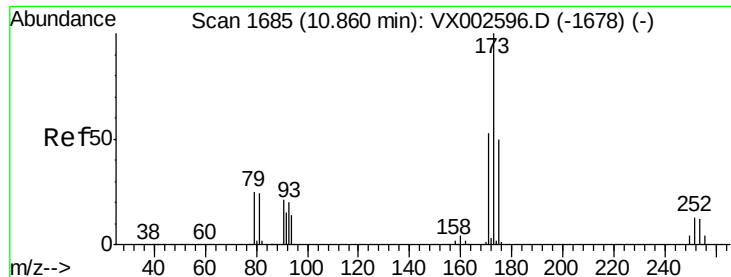
Tot Ion:106 Resp: 94076  
Ion Ratio Lower Upper  
106 100  
91 216.5 108.2 324.6



#70  
Styrene  
Concen: 19.62 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion:104 Resp: 156251  
Ion Ratio Lower Upper  
104 100  
78 51.5 41.0 61.6  
103 56.4 44.2 66.4

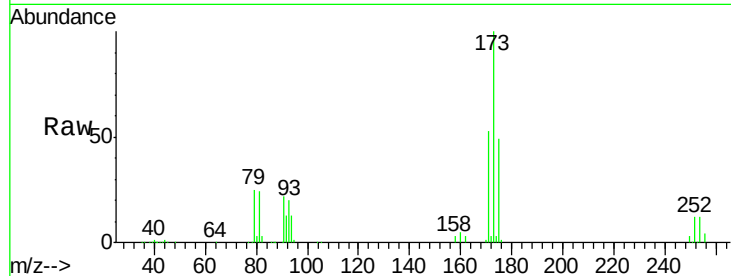




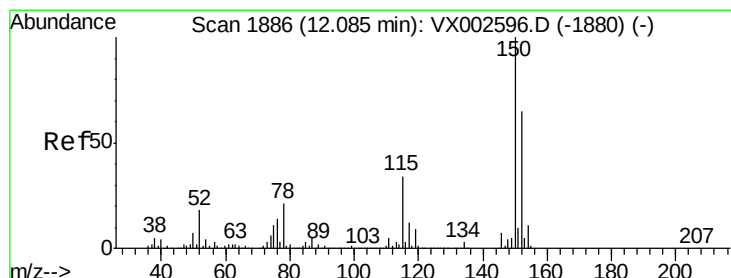
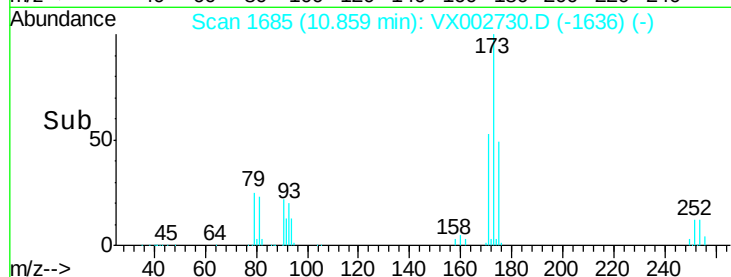
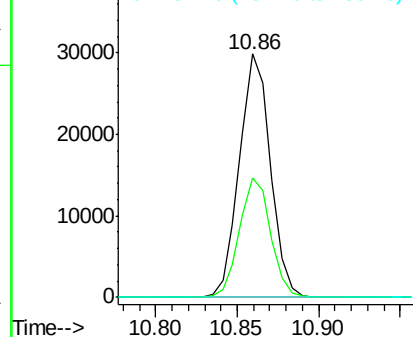
#71  
Bromoform  
Concen: 20.04 ug/l  
RT: 10.86 min Scan# 1685  
Delta R.T. 0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Instrument :  
MSVOA\_X  
ClientSampleId :

Tot Ion:173 Resp: 39575  
Ion Ratio Lower Upper  
173 100  
175 48.9 24.7 74.1  
254 0.1 0.2 0.2#

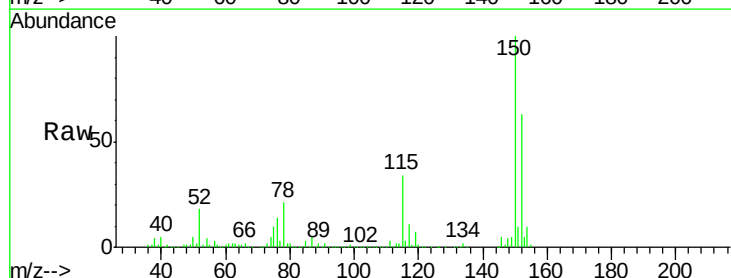


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

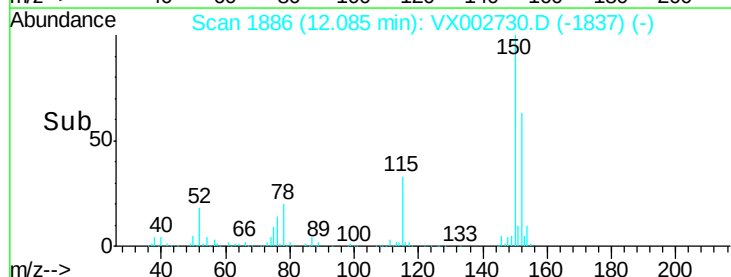
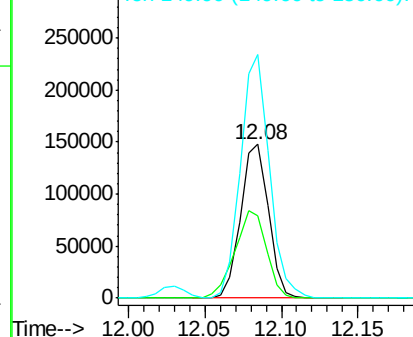


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

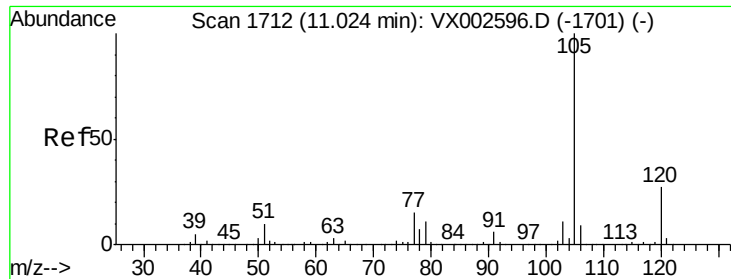
Tgt Ion:152 Resp: 186283  
Ion Ratio Lower Upper  
152 100  
115 64.5 40.1 120.2  
150 164.4 0.0 347.2



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: 20.62 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

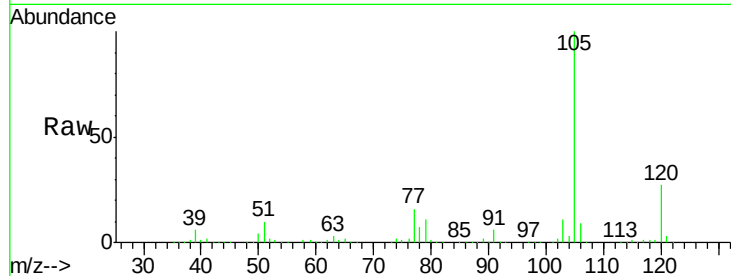
ClientSampleId :

Tot Ion:105 Resp: 256951

Ion Ratio Lower Upper

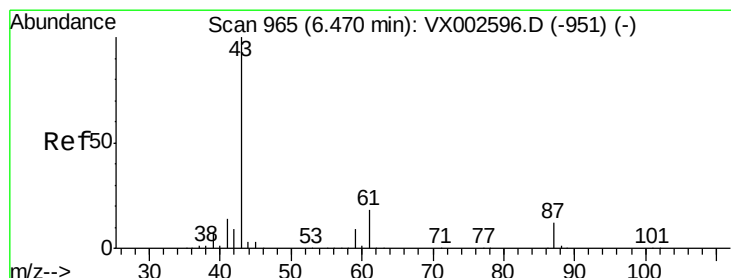
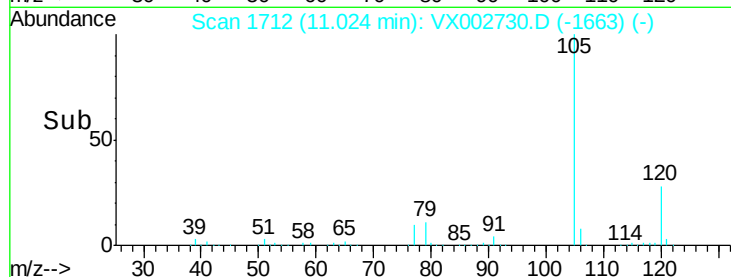
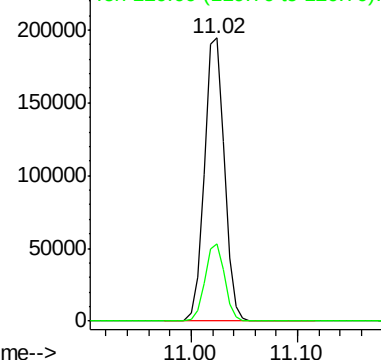
105 100

120 26.9 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: 20.17 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Tgt Ion: 43 Resp: 124824

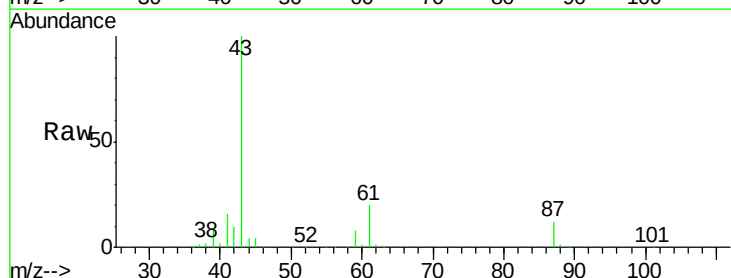
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 18.5 14.4 21.6

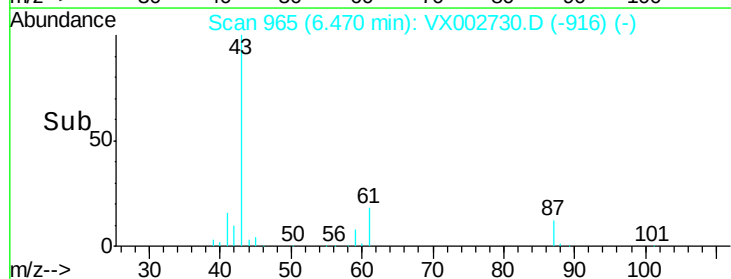
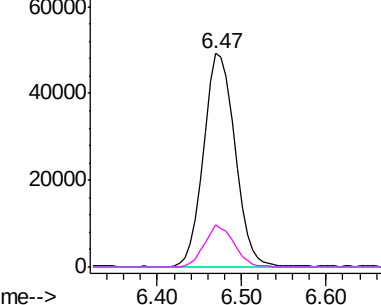


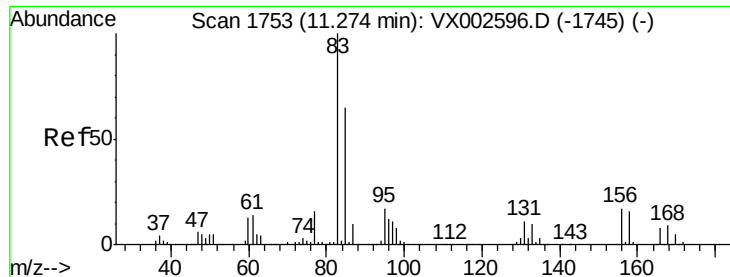
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.11 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampleId :

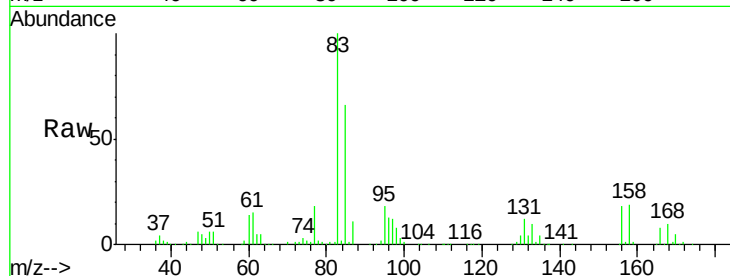
Tot Ion: 83 Resp: 81334

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

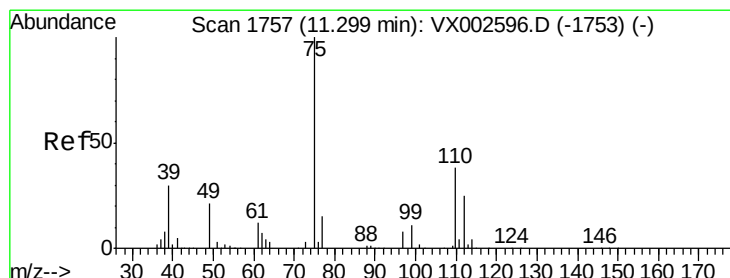
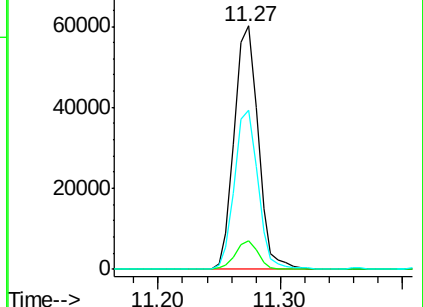
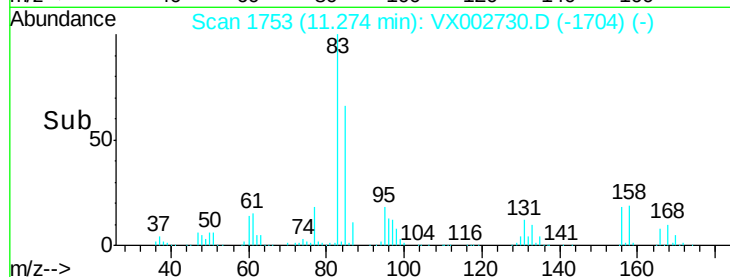
85 64.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX002730.D (-1704) (-)

Ion 130.80 (130.50 to 131.50): VX002730.D (-1704) (-)

Ion 84.90 (84.60 to 85.60): VX002730.D (-1704) (-)



#76

1,2,3-Trichloropropane

Concen: 24.41 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002730.D

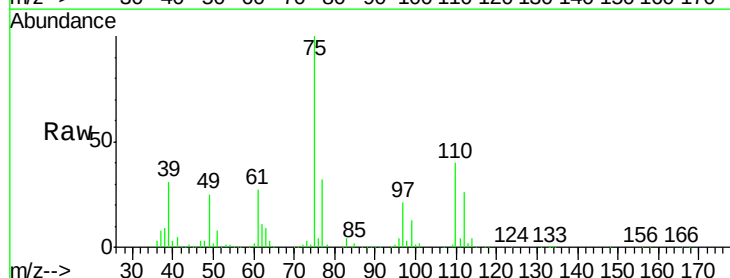
Acq: 19 Jun 2018 22:57

Tgt Ion: 75 Resp: 85800

Ion Ratio Lower Upper

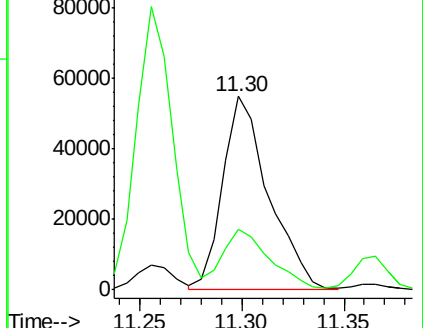
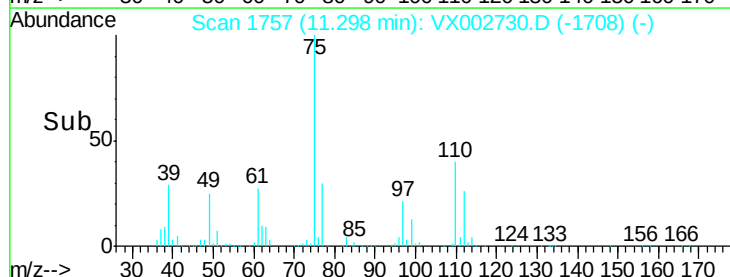
75 100

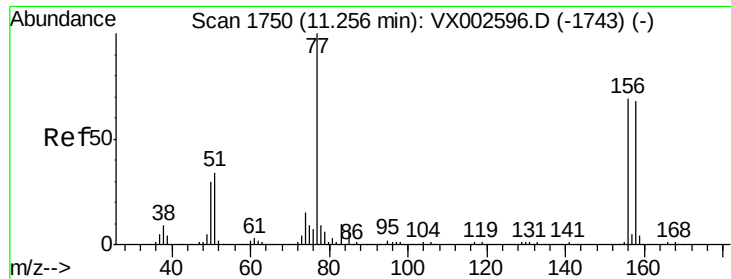
77 32.3 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX002730.D (-1708) (-)

Ion 77.00 (76.70 to 77.70): VX002730.D (-1708) (-)





#77

Bromobenzene

Concen: 20.92 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampleId :

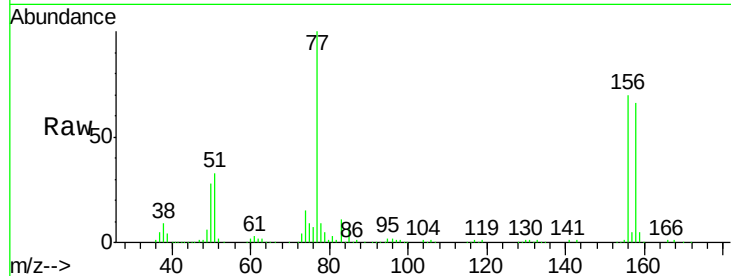
Tot Ion:156 Resp: 72606

Ion Ratio Lower Upper

156 100

77 137.1 71.4 214.2

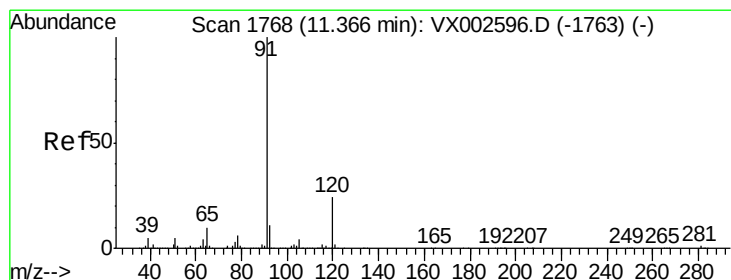
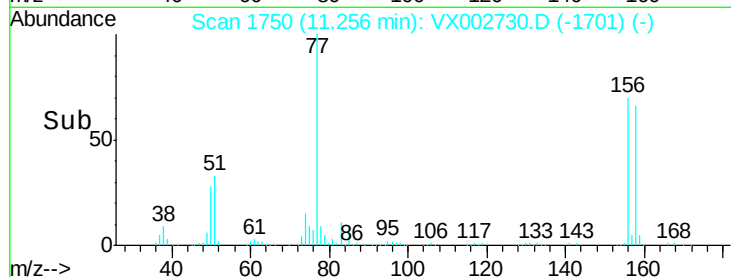
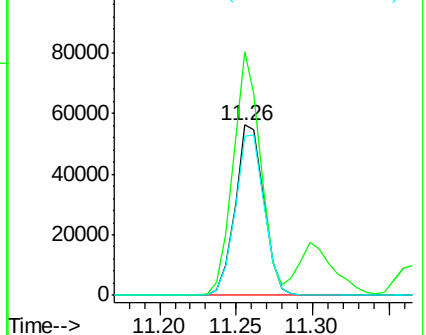
158 96.5 48.9 146.6



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: 20.23 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002730.D

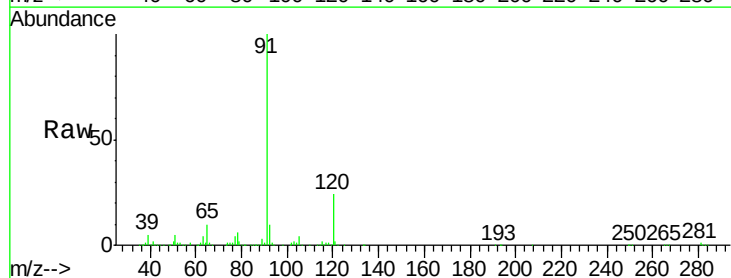
Acq: 19 Jun 2018 22:57

Tgt Ion: 91 Resp: 289107

Ion Ratio Lower Upper

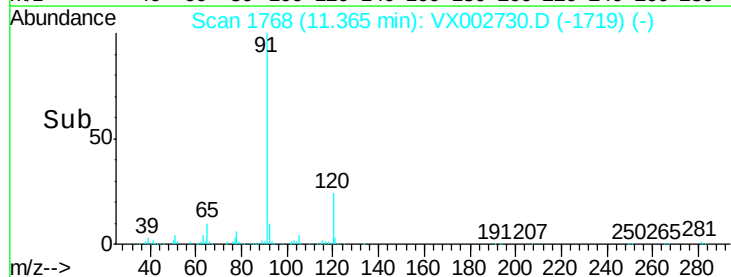
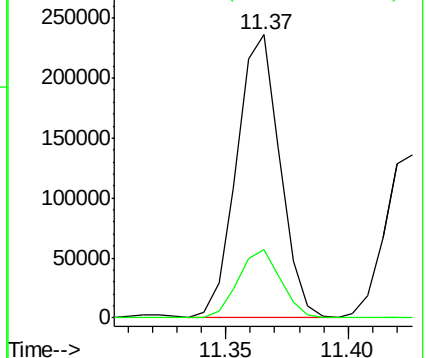
91 100

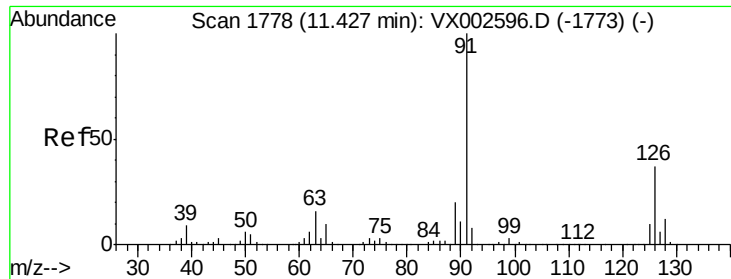
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.26 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

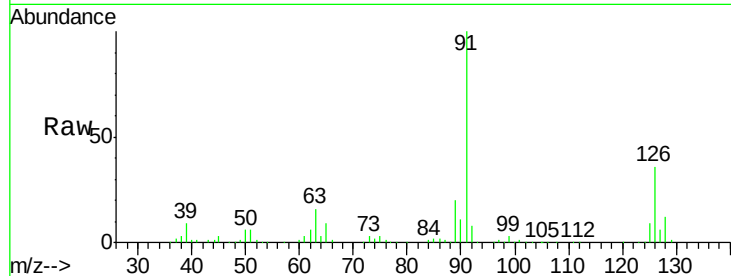
ClientSampleId :

Tot Ion: 91 Resp: 172843

Ion Ratio Lower Upper

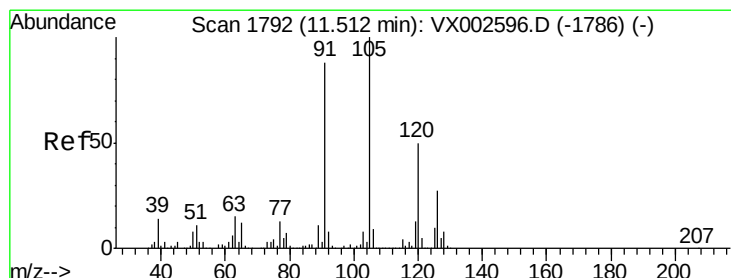
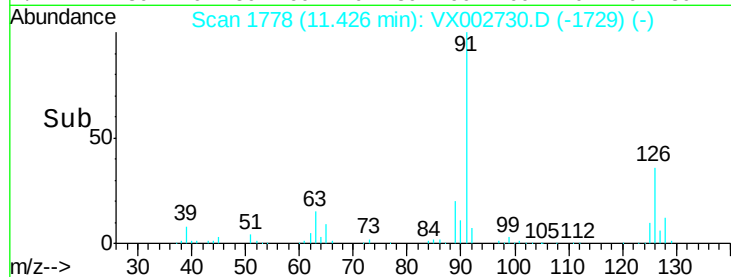
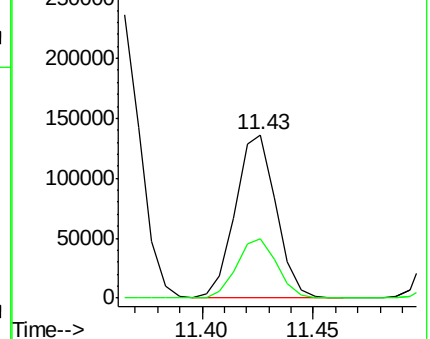
91 100

126 36.3 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: 20.62 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002730.D

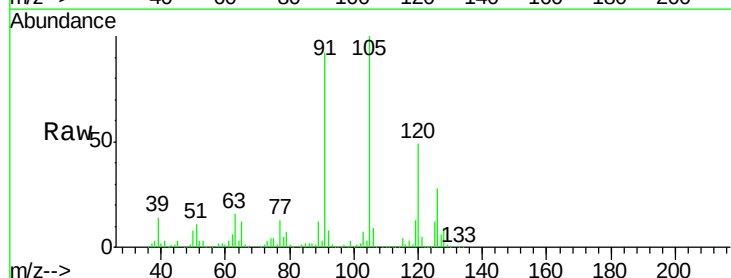
Acq: 19 Jun 2018 22:57

Tgt Ion: 105 Resp: 217076

Ion Ratio Lower Upper

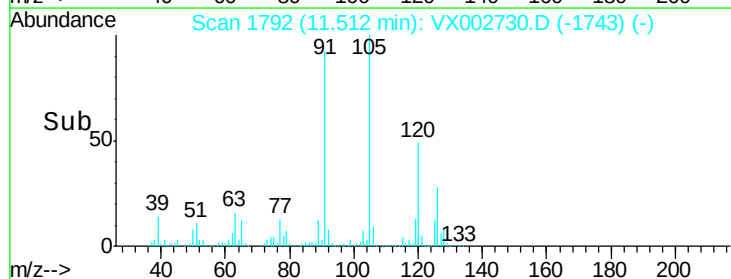
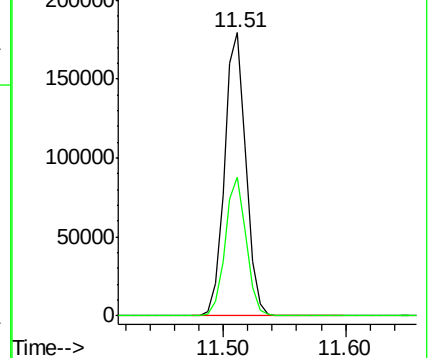
105 100

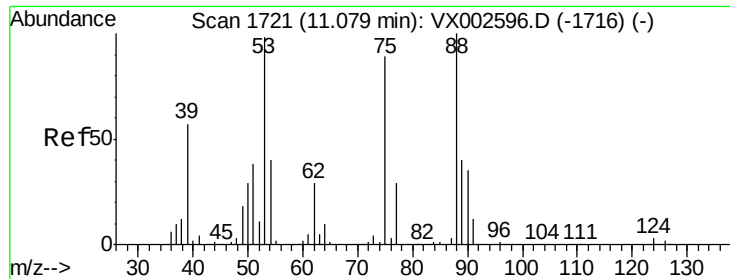
120 48.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

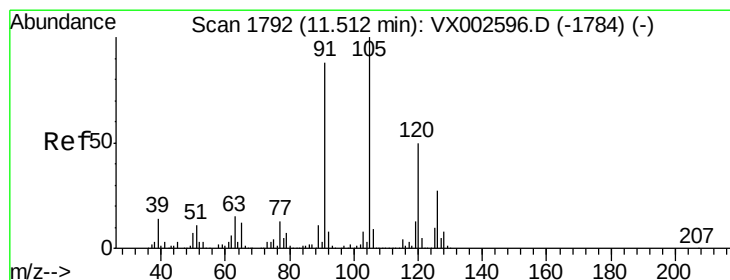
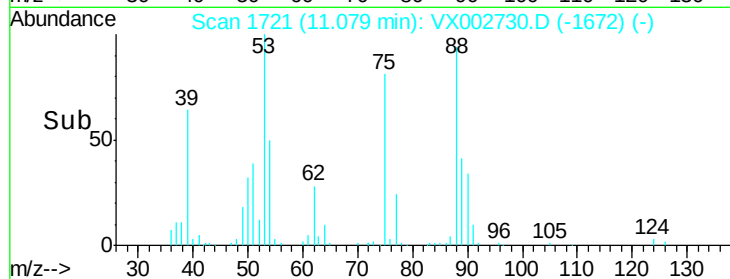
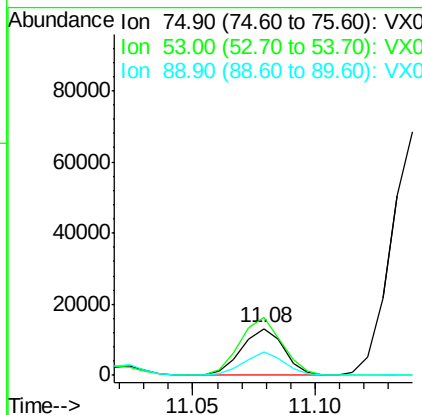
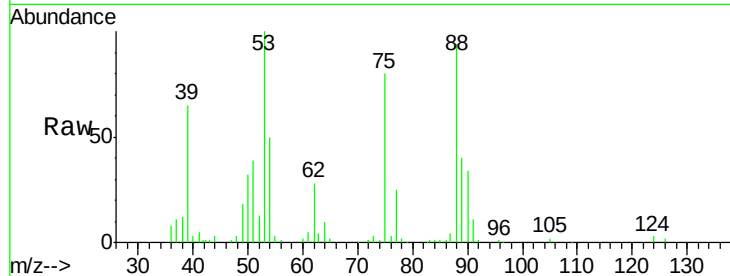




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.59 ug/l  
RT: 11.08 min Scan# 1721  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

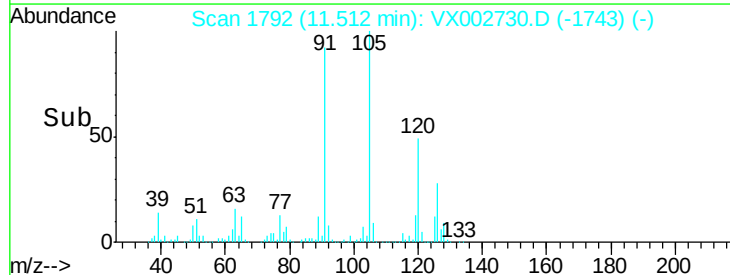
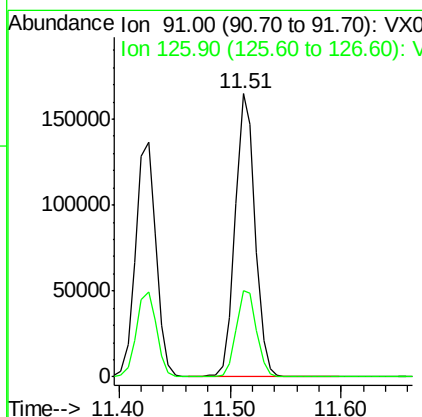
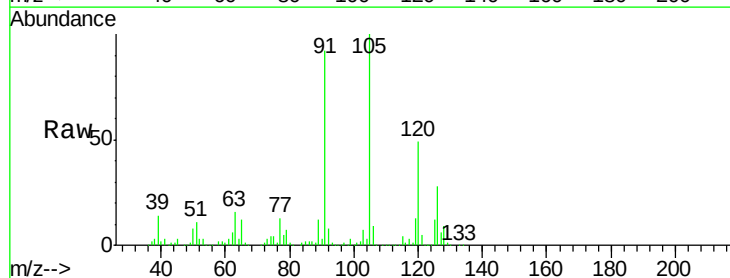
Instrument :  
MSVOA\_X  
ClientSampled :

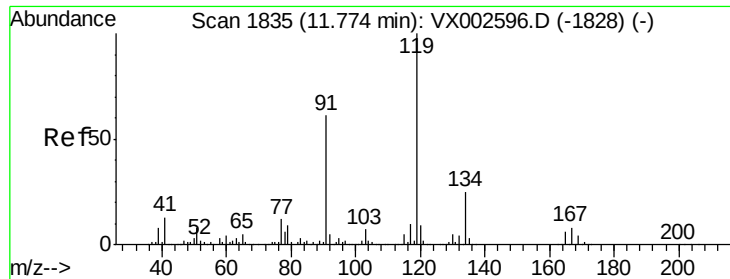
Tot Ion: 75 Resp: 16071  
Ion Ratio Lower Upper  
75 100  
53 122.9 86.8 130.2  
89 48.1 38.2 57.2



#82  
4-Chlorotoluene  
Concen: 20.20 ug/l  
RT: 11.51 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX002730.D  
Acq: 19 Jun 2018 22:57

Tgt Ion: 91 Resp: 203361  
Ion Ratio Lower Upper  
91 100  
126 31.1 15.4 46.4

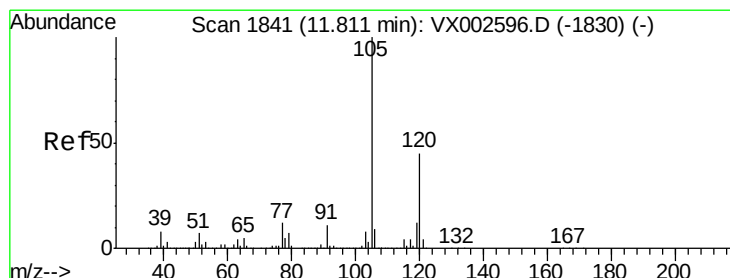
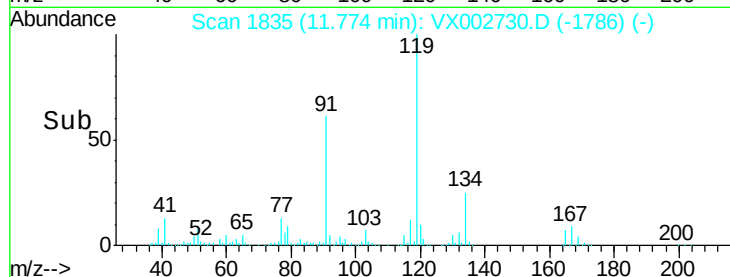
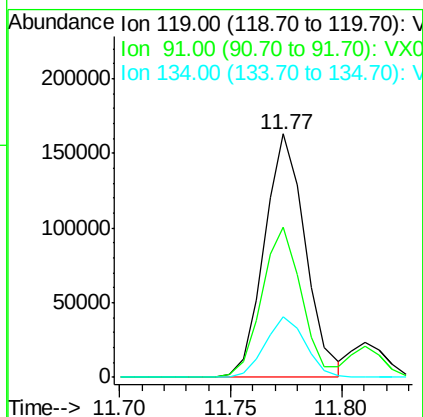
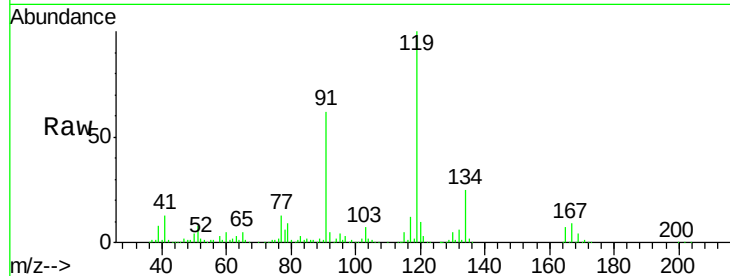




#83  
 tert-Butylbenzene  
 Concen: 20.54 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

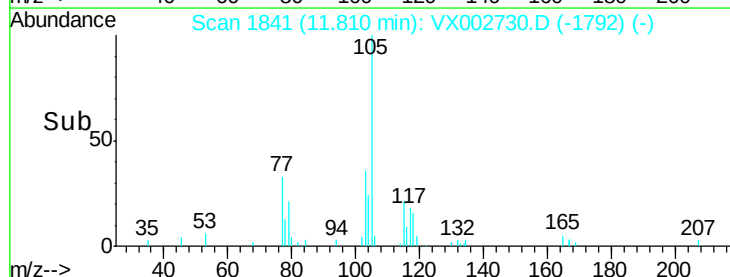
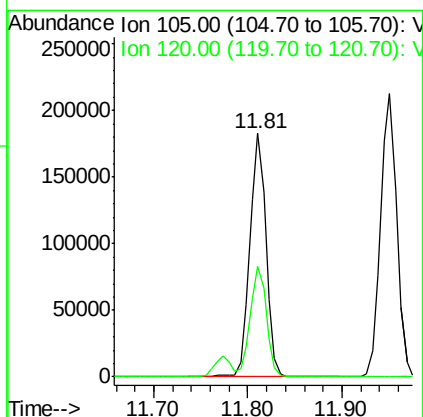
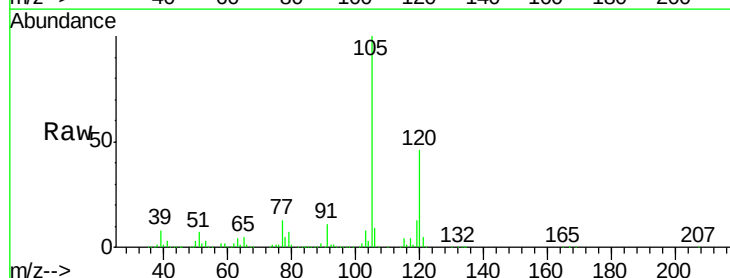
Instrument :  
 MSVOA\_X  
 ClientSampleId :

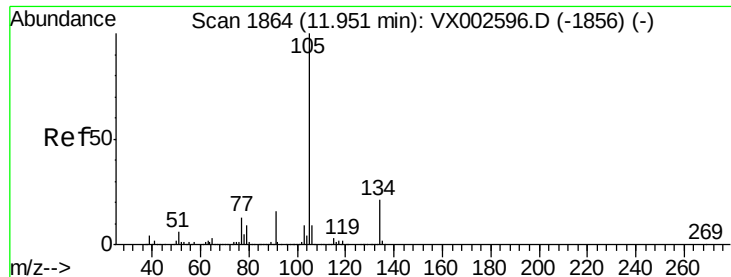
Tot Ion:119 Resp: 208339  
 Ion Ratio Lower Upper  
 119 100  
 91 60.0 30.3 90.9  
 134 24.4 11.7 35.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.50 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Tgt Ion:105 Resp: 220201  
 Ion Ratio Lower Upper  
 105 100  
 120 45.7 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.18 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

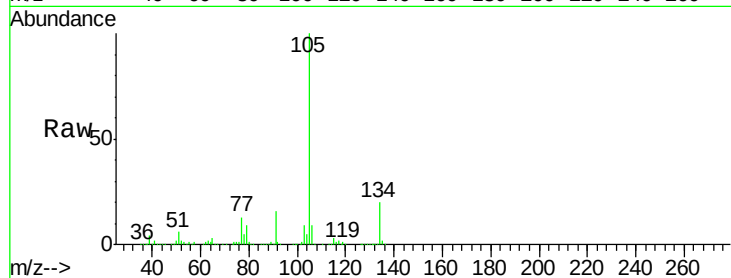
ClientSampleId :

Tot Ion:105 Resp: 254507

Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

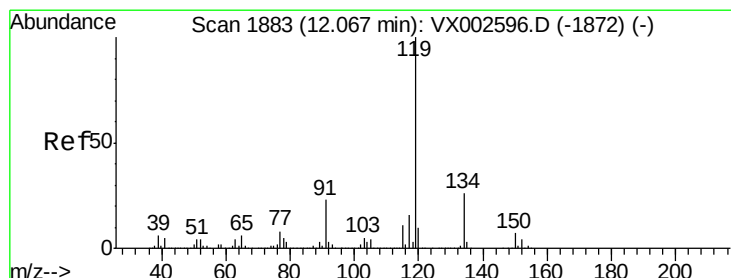
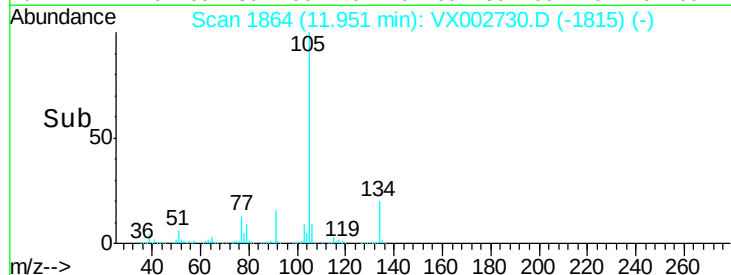
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.08 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

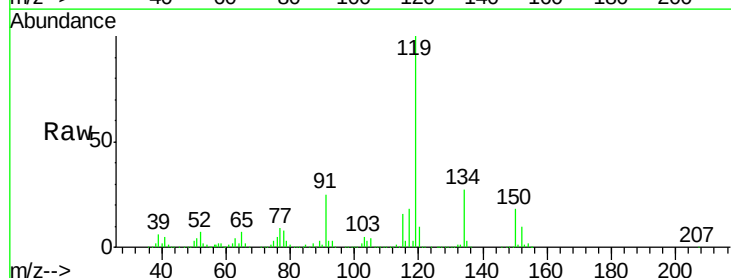
Tgt Ion:119 Resp: 229089

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.9 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

250000

200000

150000

100000

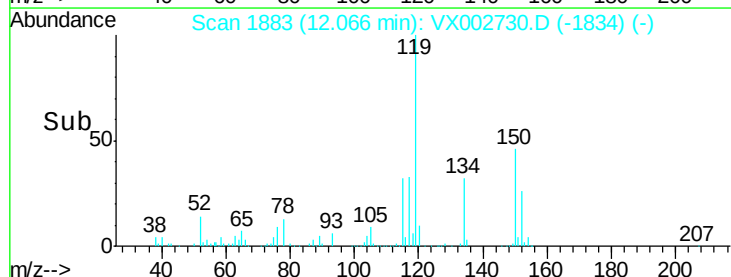
50000

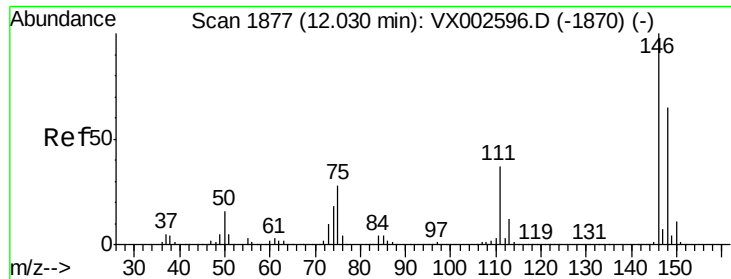
0

12.00

12.10

Time-->

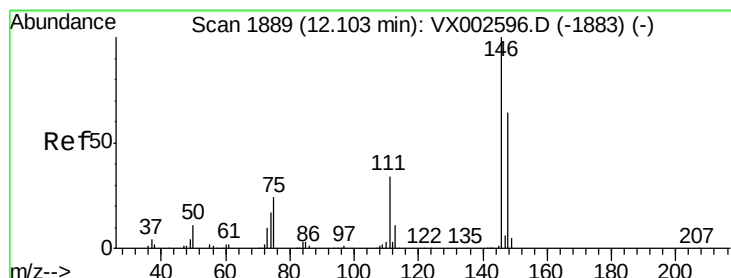
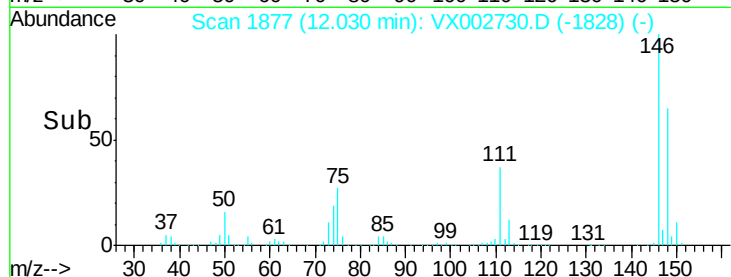
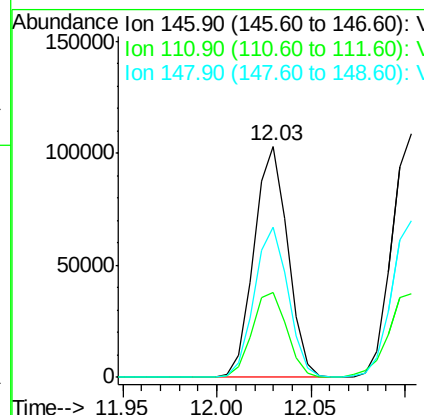
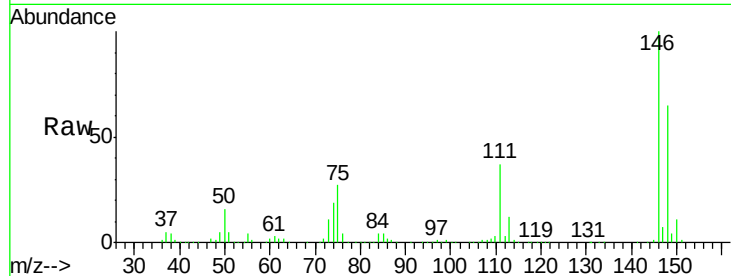




#87  
 1,3-Dichlorobenzene  
 Concen: 20.11 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

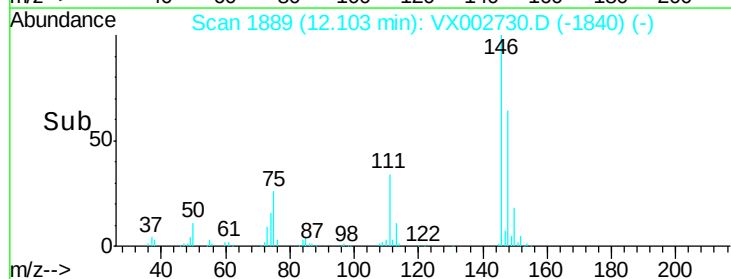
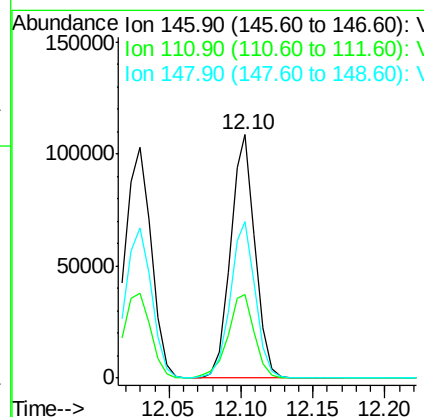
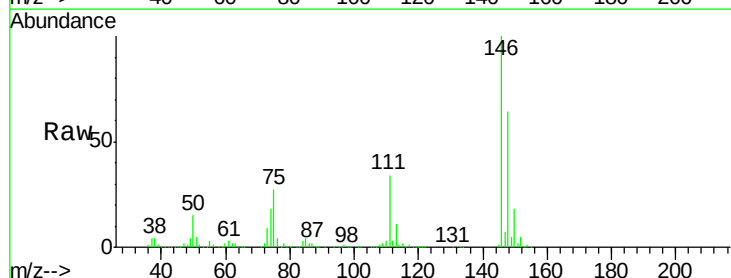
Instrument :  
 MSVOA\_X  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 18.9  | 56.7  |
| 148     | 65.4  | 32.1  | 96.3  |

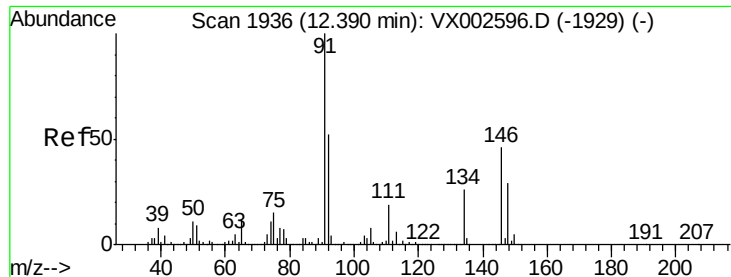


#88  
 1,4-Dichlorobenzene  
 Concen: 20.09 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.7  | 56.1  |
| 148     | 65.7  | 32.4  | 97.0  |







#89

n-Butylbenzene

Concen: 19.06 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampleId :

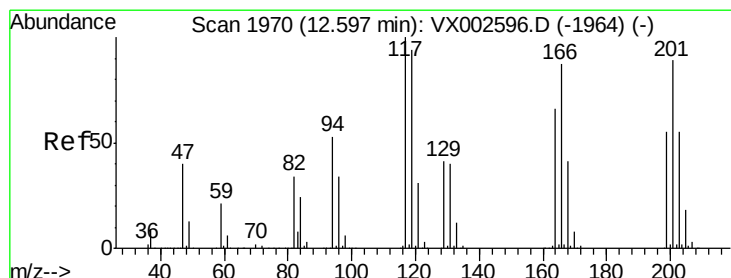
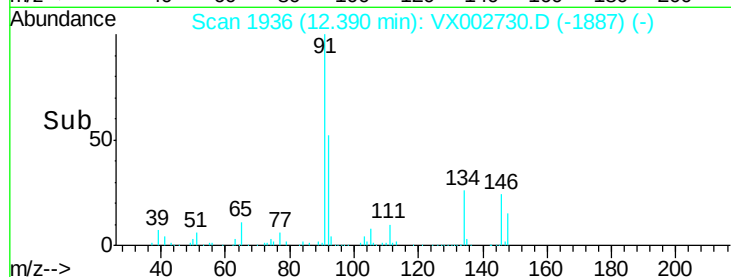
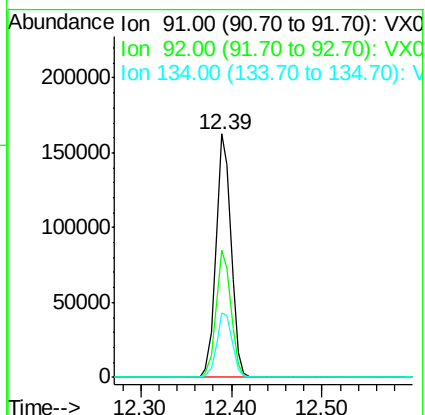
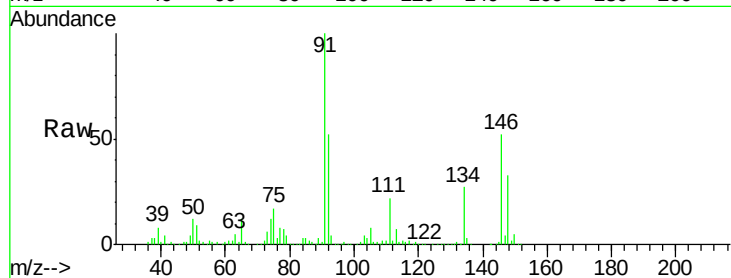
Tot Ion: 91 Resp: 191906

Ion Ratio Lower Upper

91 100

92 51.4 26.0 78.0

134 26.9 13.5 40.5



#90

Hexachloroethane

Concen: 18.45 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX002730.D

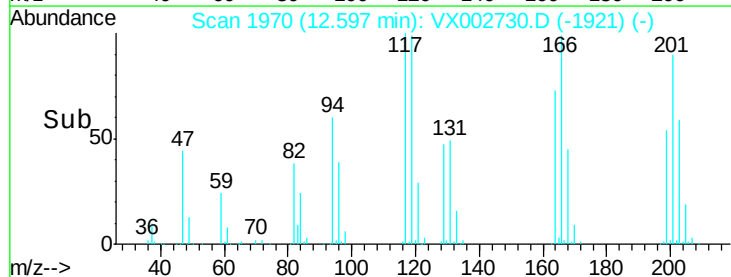
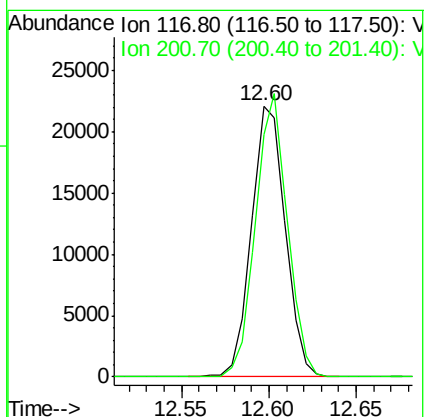
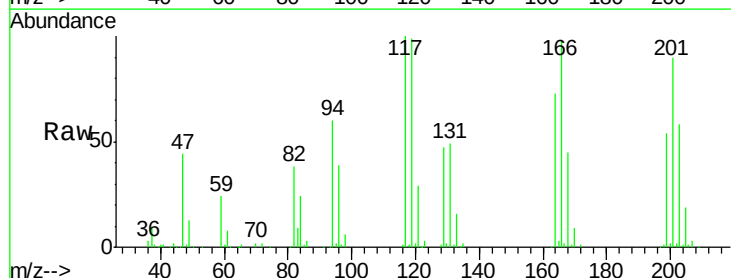
Acq: 19 Jun 2018 22:57

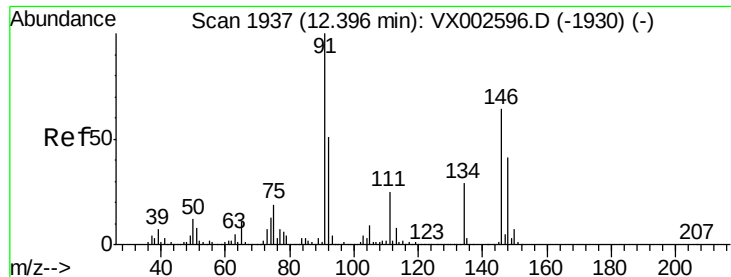
Tgt Ion: 117 Resp: 29709

Ion Ratio Lower Upper

117 100

201 98.4 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 20.59 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampleId :

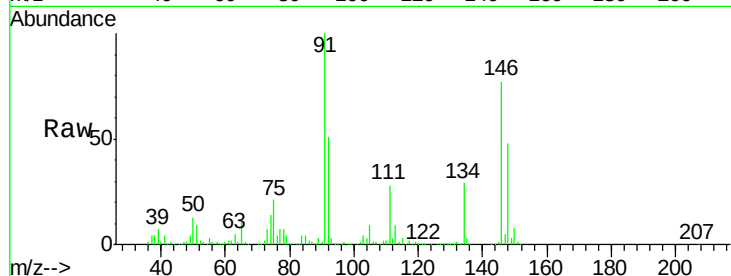
Tot Ion:146 Resp: 131932

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.1

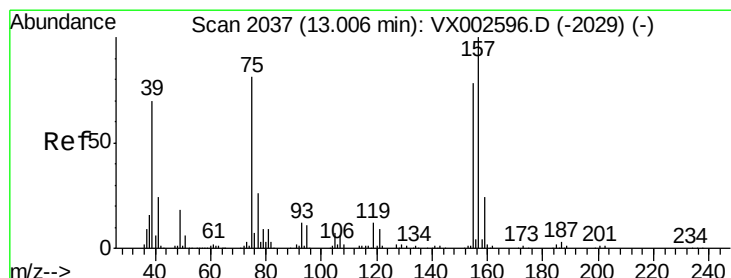
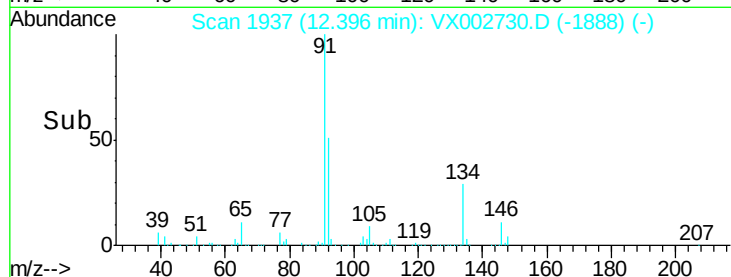
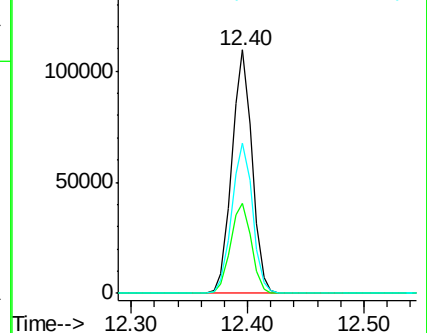
148 63.7 31.7 95.1



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: 22.67 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

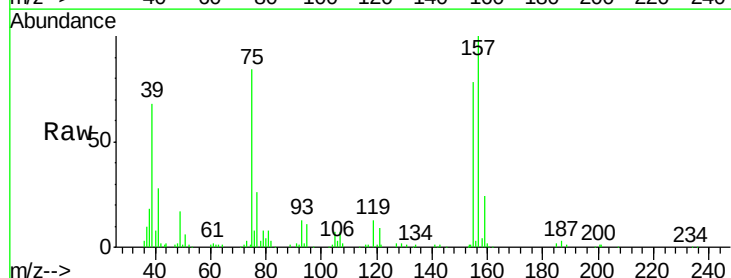
Tgt Ion: 75 Resp: 17469

Ion Ratio Lower Upper

75 100

155 90.3 45.8 137.4

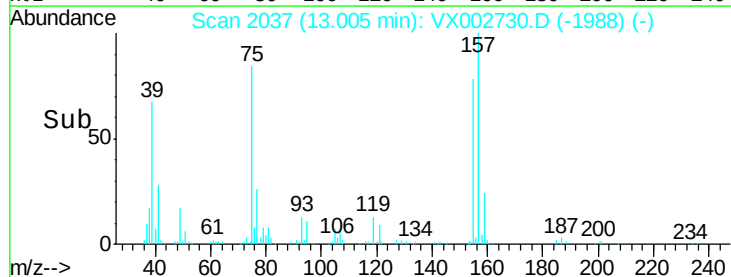
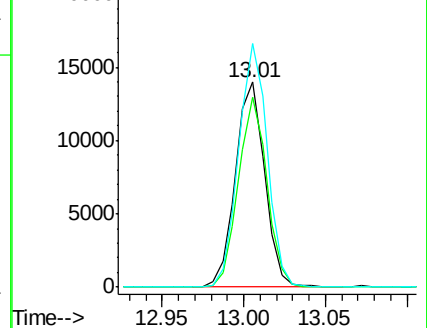
157 116.4 60.1 180.3

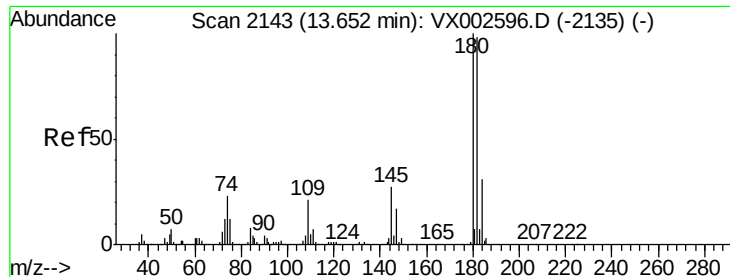


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

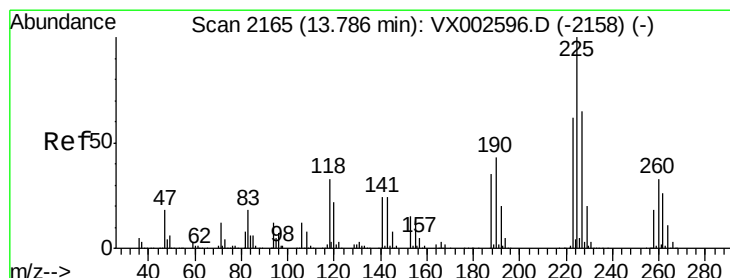
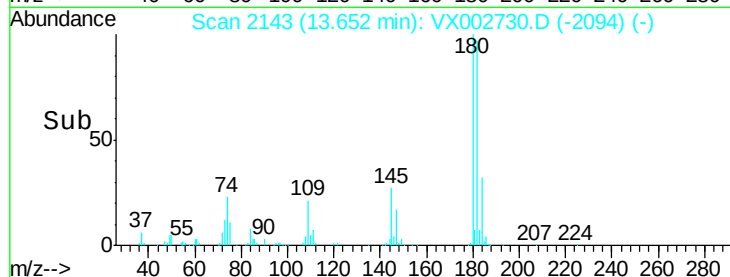
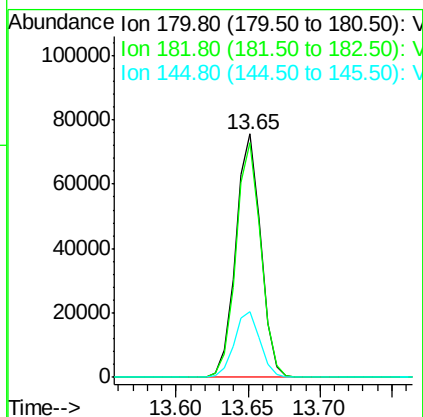
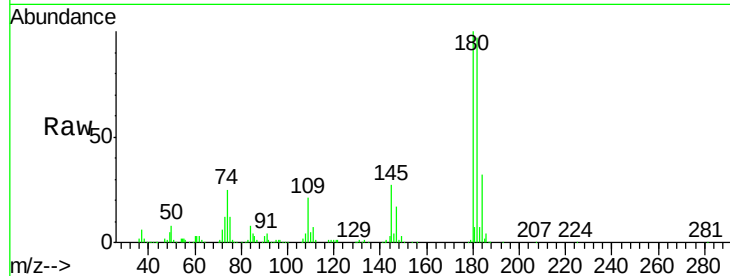




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.66 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

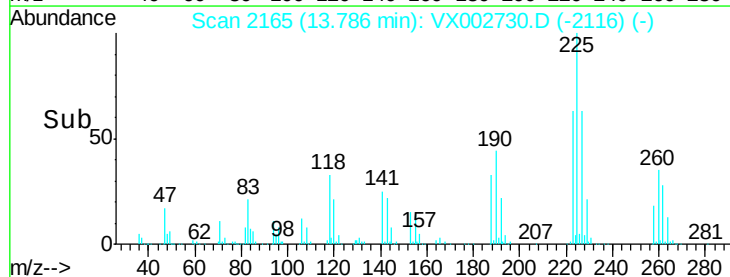
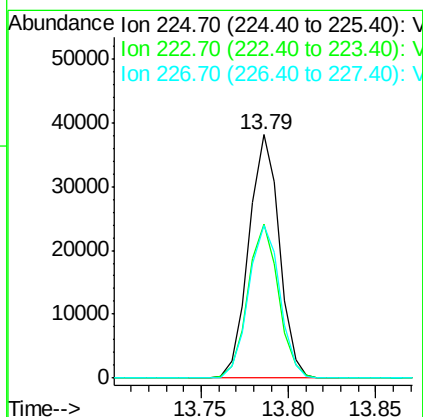
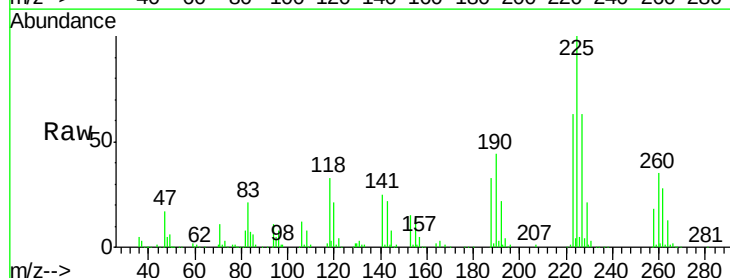
Instrument :  
 MSVOA\_X  
 ClientSampleId :

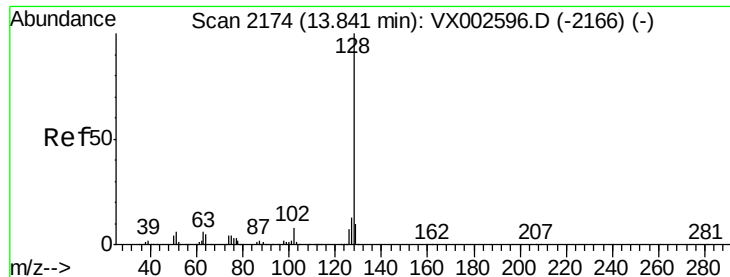
Tot Ion:180 Resp: 91427  
 Ion Ratio Lower Upper  
 180 100  
 182 96.1 47.7 143.1  
 145 27.7 14.1 42.4



#94  
 Hexachlorobutadiene  
 Concen: 18.83 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: VX002730.D  
 Acq: 19 Jun 2018 22:57

Tgt Ion:225 Resp: 46125  
 Ion Ratio Lower Upper  
 225 100  
 223 63.3 31.6 95.0  
 227 64.2 32.4 97.2





#95

Naphthalene

Concen: 20.99 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

Instrument :

MSVOA\_X

ClientSampled :

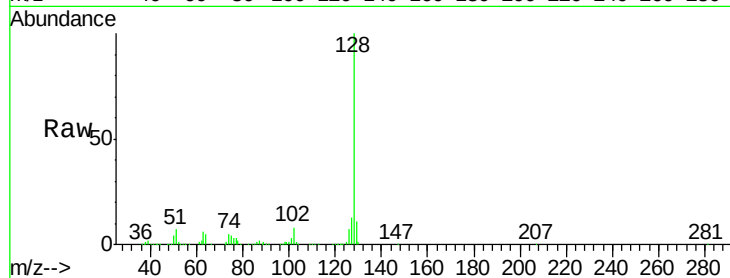
Tot Ion:128 Resp: 262630

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

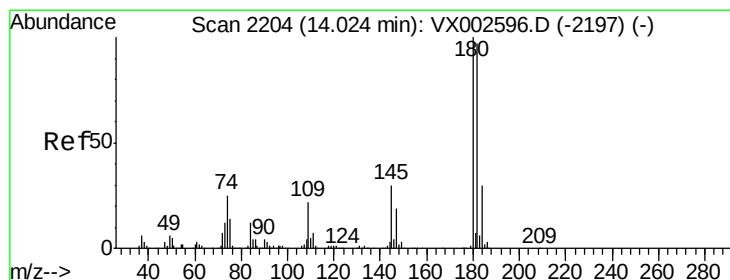
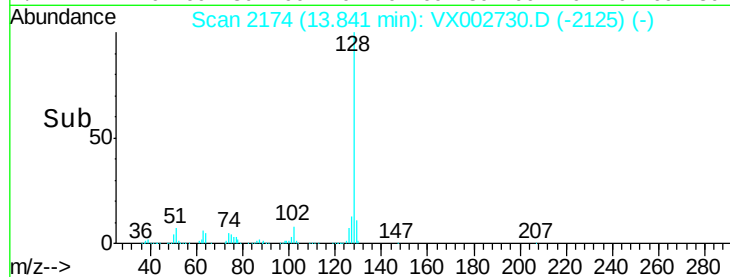
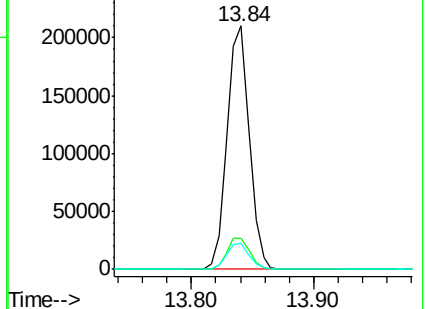
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.57 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002730.D

Acq: 19 Jun 2018 22:57

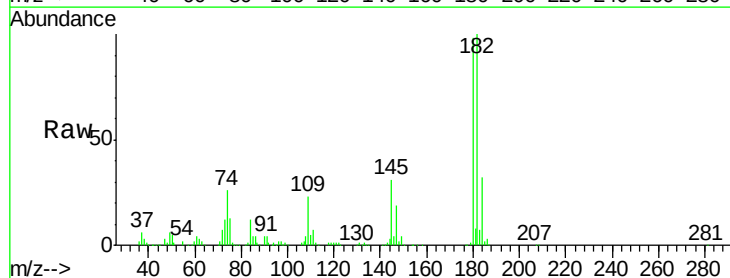
Tgt Ion:180 Resp: 96071

Ion Ratio Lower Upper

180 100

182 96.5 48.0 144.0

145 29.7 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

