

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\  
 Data File : VX004377.D  
 Acq On : 05 Sep 2018 18:28  
 Operator : JC/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Sep 06 00:52:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 322053   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 472805   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 434163   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 269324   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 195999   | 46.69 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.38% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 172241   | 48.97 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.94% |      |
| 50) Toluene-d8            | 8.71   | 98  | 639755   | 48.19 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.38% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 246943   | 49.85 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.70% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 162715  | 43.62  | ug/l | 97     |
| 3) Chloromethane              | 1.32 | 50  | 194372  | 47.16  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 202608  | 48.01  | ug/l | 99     |
| 5) Bromomethane               | 1.63 | 94  | 83015   | 39.49  | ug/l | 99     |
| 6) Chloroethane               | 1.71 | 64  | 133868  | 44.44  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 265444  | 45.90  | ug/l | 94     |
| 8) Diethyl Ether              | 2.18 | 74  | 125068  | 50.51  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 169687  | 46.85  | ug/l | 99     |
| 10) Methyl Iodide             | 2.50 | 142 | 191584  | 47.14  | ug/l | 97     |
| 11) Tert butyl alcohol        | 3.08 | 59  | 232220  | 259.53 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 159428  | 46.73  | ug/l | 96     |
| 13) Acrolein                  | 2.29 | 56  | 52308   | 242.49 | ug/l | 98     |
| 14) Allyl chloride            | 2.72 | 41  | 307538  | 49.06  | ug/l | 97     |
| 15) Acrylonitrile             | 3.15 | 53  | 559083  | 252.31 | ug/l | 100    |
| 16) Acetone                   | 2.45 | 43  | 443355  | 259.03 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.56 | 76  | 377813  | 40.04  | ug/l | 100    |
| 18) Methyl Acetate            | 2.78 | 43  | 399272  | 64.10  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 590054  | 52.48  | ug/l | 99     |
| 20) Methylene Chloride        | 2.86 | 84  | 190674  | 47.19  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 174432  | 46.19  | ug/l | 95     |
| 22) Diisopropyl ether         | 3.87 | 45  | 598340  | 51.12  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.82 | 43  | 2258011 | 238.04 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 342197  | 50.17  | ug/l | 99     |
| 25) 2-Butanone                | 4.71 | 43  | 739095  | 262.93 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 244740  | 45.75  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 211098  | 49.29  | ug/l | 98     |
| 28) Bromochloromethane        | 5.01 | 49  | 148022  | 49.02  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.16 | 42  | 467087  | 258.99 | ug/l | 99     |
| 30) Chloroform                | 5.21 | 83  | 339920  | 49.71  | ug/l | 99     |
| 31) Cyclohexane               | 5.57 | 56  | 284132  | 48.28  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 283691  | 49.75  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 248237  | 46.70  | ug/l | 99     |
| 37) Ethyl Acetate             | 4.86 | 43  | 260105  | 49.76  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 239534  | 47.90  | ug/l | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\  
 Data File : VX004377.D  
 Acq On : 05 Sep 2018 18:28  
 Operator : JC/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Sep 06 00:52:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 295011   | 48.61   | ug/l  | 99       |
| 40) Benzene                    | 6.14  | 78   | 778014   | 48.99   | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.06  | 41   | 157085   | 51.84   | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 259030   | 47.81   | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 422976   | 52.66   | ug/l  | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 214313   | 48.75   | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 201914   | 50.79   | ug/l  | 100      |
| 46) Dibromomethane             | 7.67  | 93   | 127198   | 48.06   | ug/l  | 97       |
| 47) Bromodichloromethane       | 7.90  | 83   | 244814   | 49.71   | ug/l  | 98       |
| 48) Methyl methacrylate        | 7.78  | 41   | 225002   | 52.35   | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.76  | 88   | 101693   | 1042.07 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 1436810  | 246.18  | ug/l  | 99       |
| 52) Toluene                    | 8.79  | 92   | 495599   | 49.85   | ug/l  | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 280145   | 51.50   | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.44  | 75   | 310138   | 52.34   | ug/l  | 97       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 203793   | 50.78   | ug/l  | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 305247   | 55.87   | ug/l  | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 342902   | 50.69   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 742647   | 265.29  | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.50  | 43   | 1104934  | 248.15  | ug/l  | 99       |
| 60) Dibromochloromethane       | 9.59  | 129  | 200862   | 51.37   | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 208152   | 50.12   | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 223907   | 52.21   | ug/l  | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 547450   | 50.24   | ug/l  | 92       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 193463   | 51.48   | ug/l  | 98       |
| 67) Ethyl Benzene              | 10.25 | 91   | 903220   | 51.04   | ug/l  | 97       |
| 68) m/p-Xylenes                | 10.36 | 106  | 730562   | 105.58  | ug/l  | 98       |
| 69) o-Xylene                   | 10.70 | 106  | 357562   | 54.63   | ug/l  | 99       |
| 70) Styrene                    | 10.71 | 104  | 588240   | 55.51   | ug/l  | 99       |
| 71) Bromoform                  | 10.86 | 173  | 154703   | 51.07   | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 964932   | 54.55   | ug/l  | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 371024   | 54.48   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 308266   | 49.80   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 354177   | 64.66   | ug/l  | 87       |
| 77) Bromobenzene               | 11.26 | 156  | 257956   | 51.99   | ug/l  | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 1107082  | 54.42   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 649982   | 51.91   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 800118   | 54.62   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.08 | 75   | 91385    | 54.13   | ug/l  | 94       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 757086   | 51.38   | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 806068   | 54.69   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 856970   | 56.99   | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 979489   | 55.98   | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 872408   | 55.63   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 471410   | 50.46   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 471650   | 47.88   | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.39 | 91   | 697991   | 54.74   | ug/l  | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 124613   | 56.85   | ug/l  | 97       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 431969   | 50.59   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 57212    | 52.47   | ug/l  | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\  
Data File : VX004377.D  
Acq On : 05 Sep 2018 18:28  
Operator : JC/MD  
Sample : VSTDCCC050EC  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 18 Sample Multiplier: 1

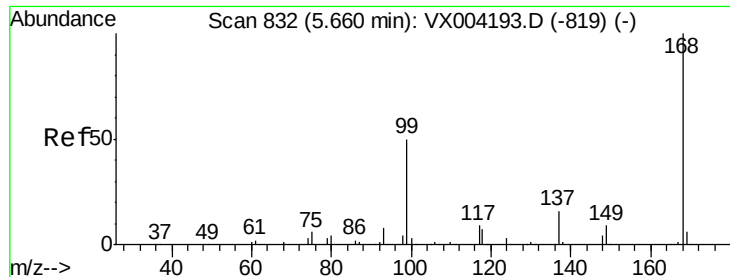
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Sep 06 00:52:36 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 353856   | 56.96 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 167590   | 58.01 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 1074080  | 61.13 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 365716   | 55.61 | ug/l  | 98       |

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

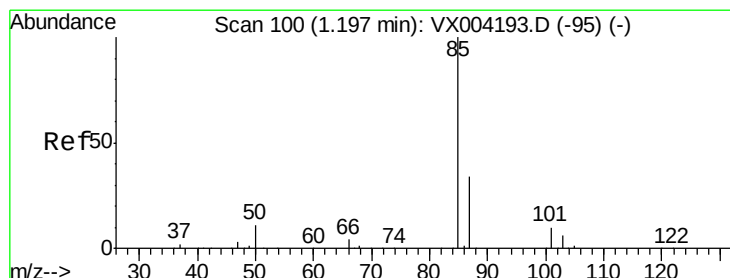
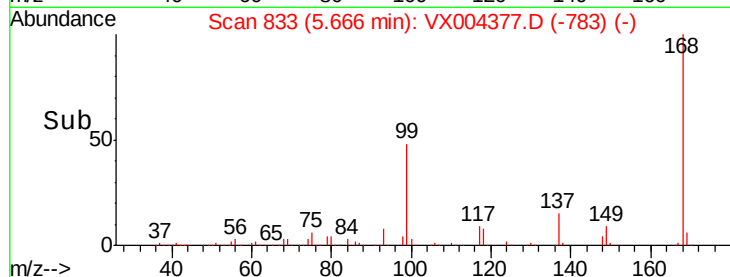
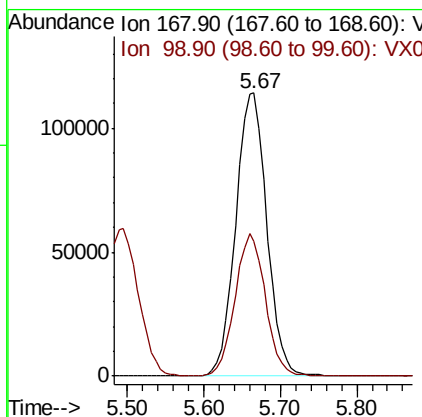
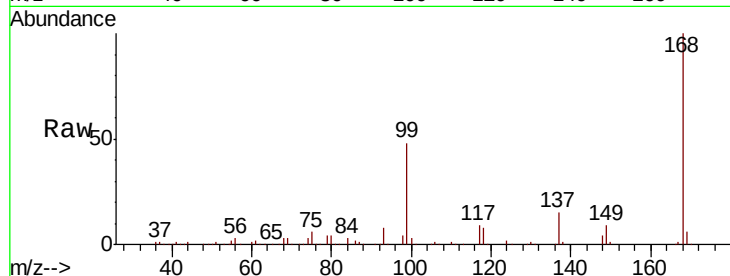




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.67 min Scan# 833  
Delta R.T. 0.01 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

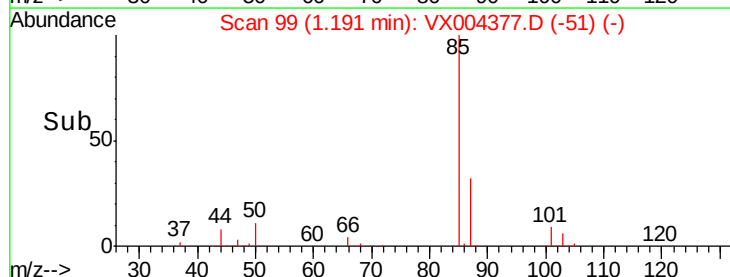
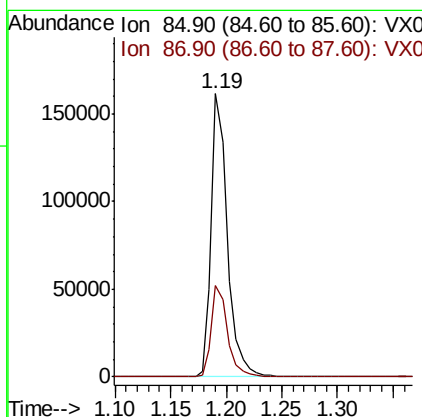
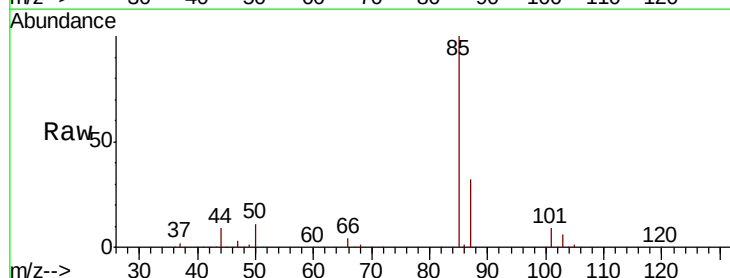
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

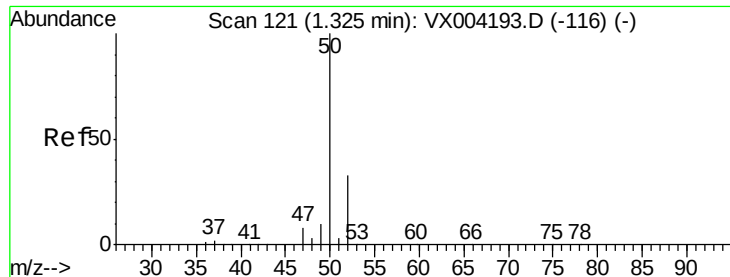
Tot Ion:168 Resp: 322053  
Ion Ratio Lower Upper  
168 100  
99 47.6 39.9 59.9



#2  
Dichlorodifluoromethane  
Concen: 43.62 ug/l  
RT: 1.19 min Scan# 99  
Delta R.T. -0.01 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Tgt Ion: 85 Resp: 162715  
Ion Ratio Lower Upper  
85 100  
87 32.4 17.0 50.9





#3

Chloromethane

Concen: 47.16 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

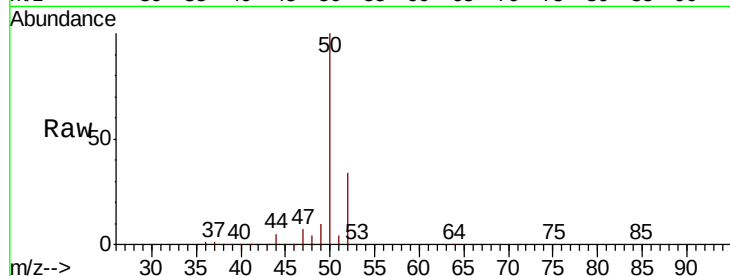
VSTDCCC050EC

Tot Ion: 50 Resp: 194372

Ion Ratio Lower Upper

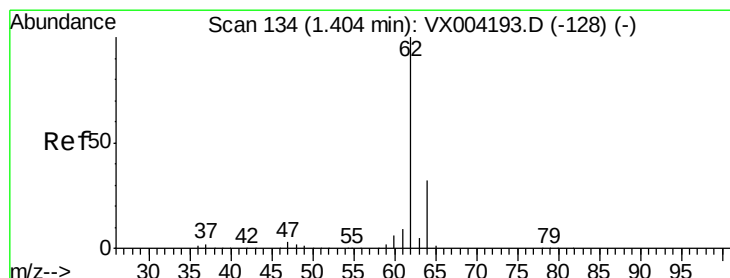
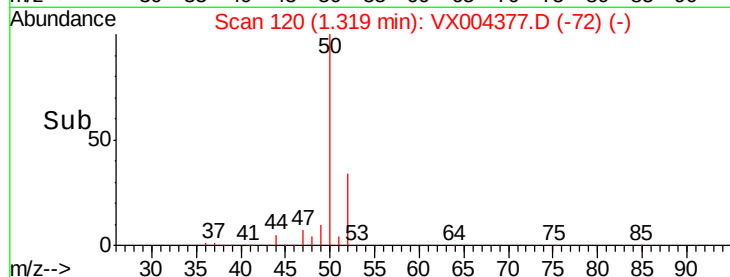
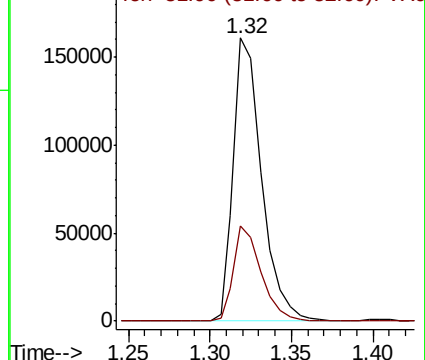
50 100

52 33.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.01 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004377.D

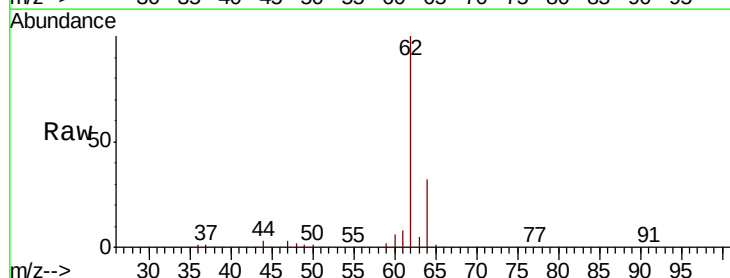
Acq: 05 Sep 2018 18:28

Tgt Ion: 62 Resp: 202608

Ion Ratio Lower Upper

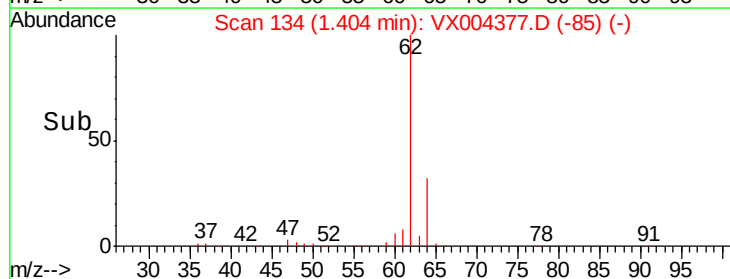
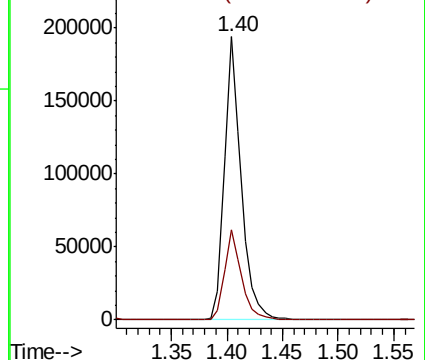
62 100

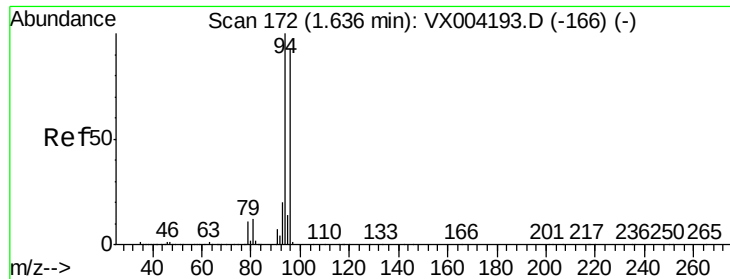
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 39.49 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

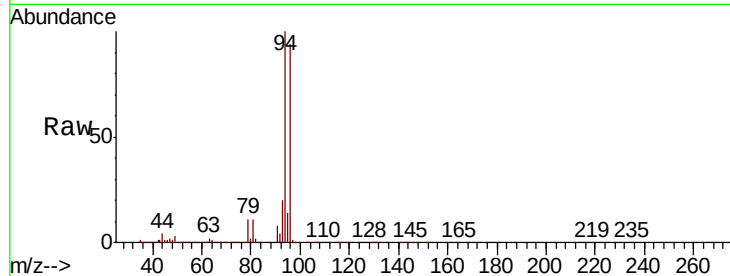
VSTDCCC050EC

Tot Ion: 94 Resp: 83015

Ion Ratio Lower Upper

94 100

96 93.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

80000

60000

40000

20000

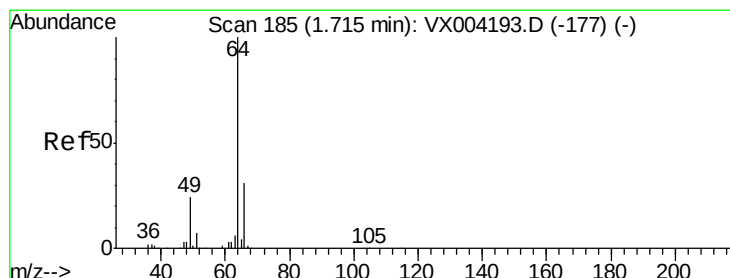
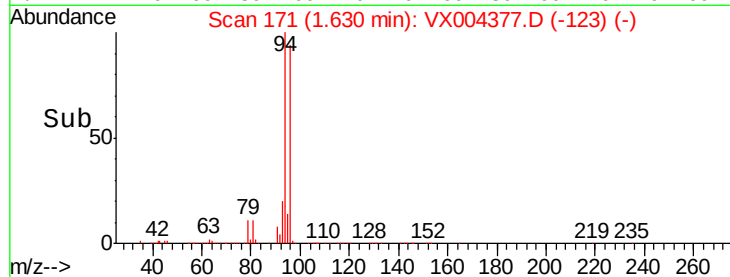
0

Time-->

1.50

1.60

1.70



#6

Chloroethane

Concen: 44.44 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004377.D

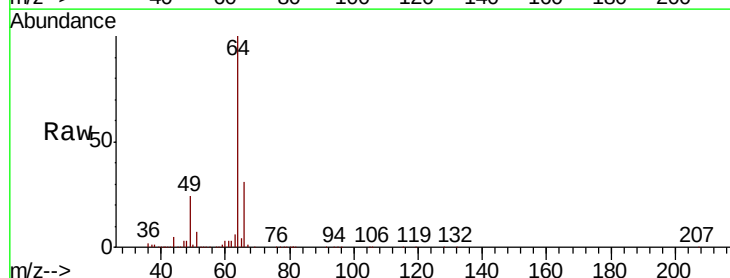
Acq: 05 Sep 2018 18:28

Tgt Ion: 64 Resp: 133868

Ion Ratio Lower Upper

64 100

66 31.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

100000

80000

60000

40000

20000

0

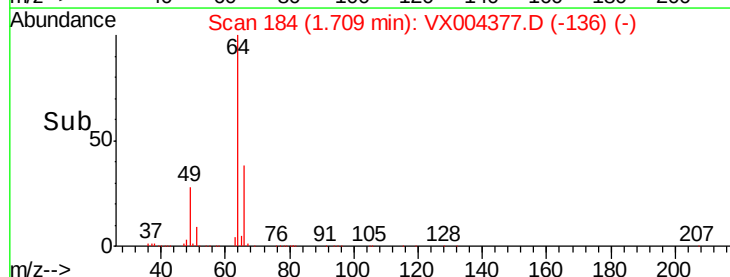
Time-->

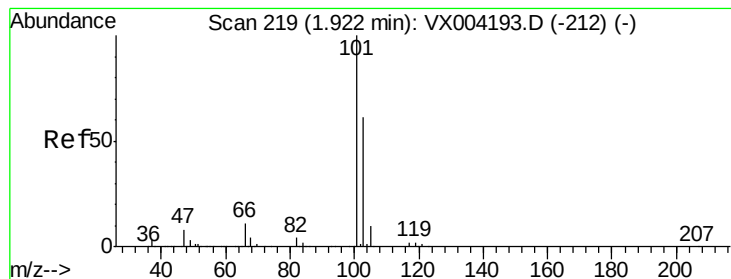
1.65

1.70

1.75

1.80



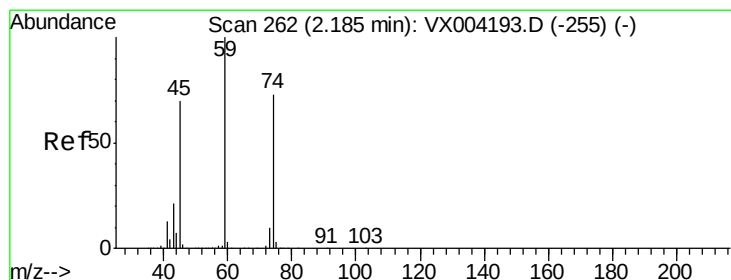
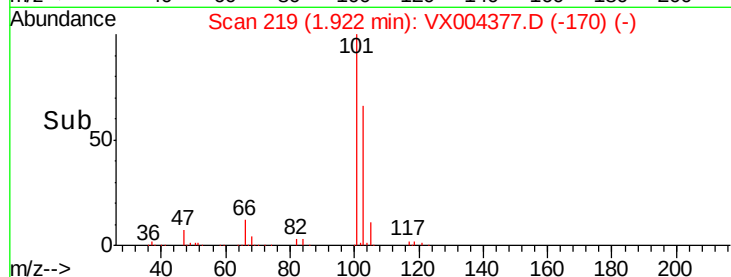
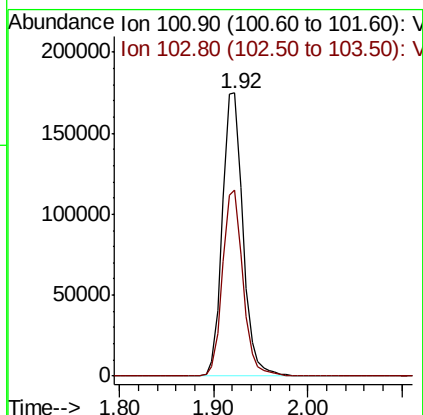
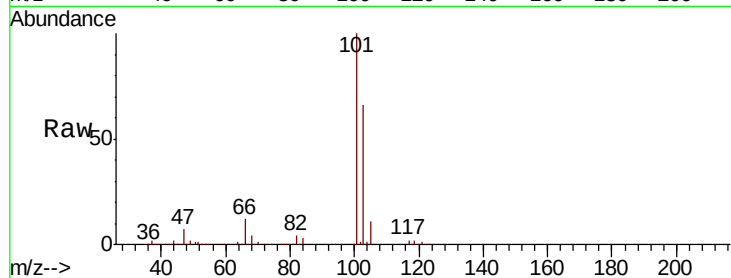


#7

Trichlorofluoromethane  
 Concen: 45.90 ug/l  
 RT: 1.92 min Scan# 219  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

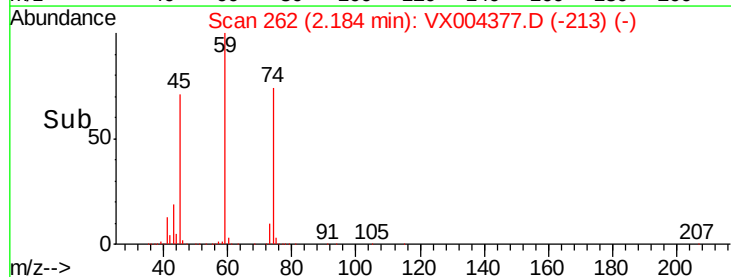
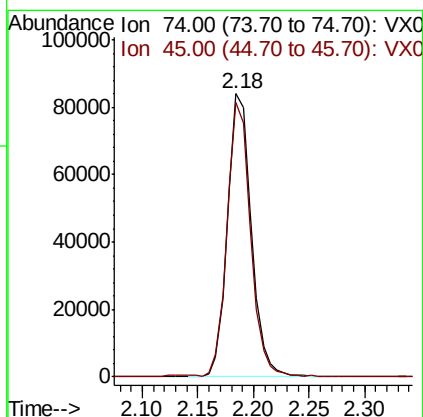
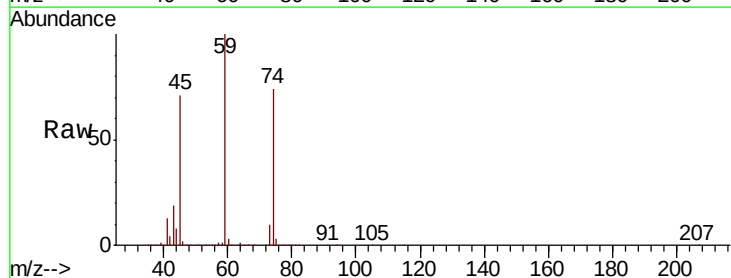
Tot Ion:101 Resp: 265444  
 Ion Ratio Lower Upper  
 101 100  
 103 66.0 48.9 73.3



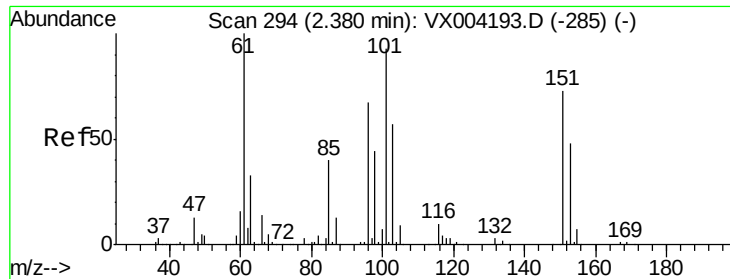
#8

Diethyl Ether  
 Concen: 50.51 ug/l  
 RT: 2.18 min Scan# 262  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion: 74 Resp: 125068  
 Ion Ratio Lower Upper  
 74 100  
 45 94.8 48.3 144.8







#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.85 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

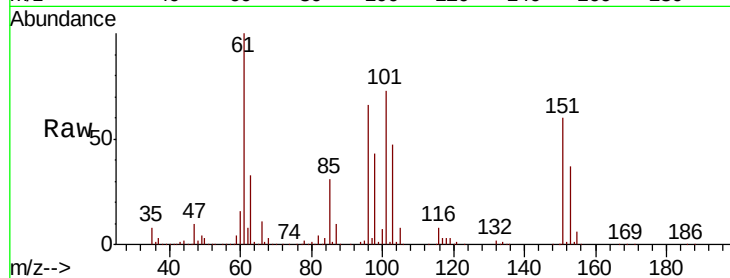
Tot Ion:101 Resp: 169687

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.4

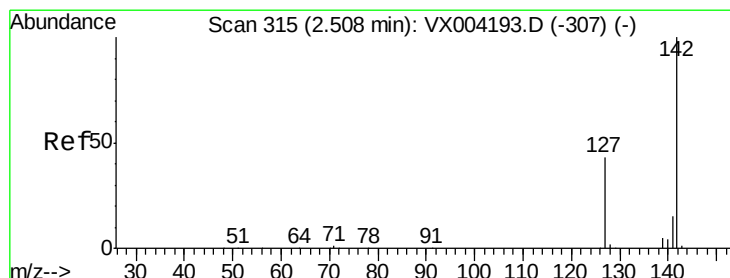
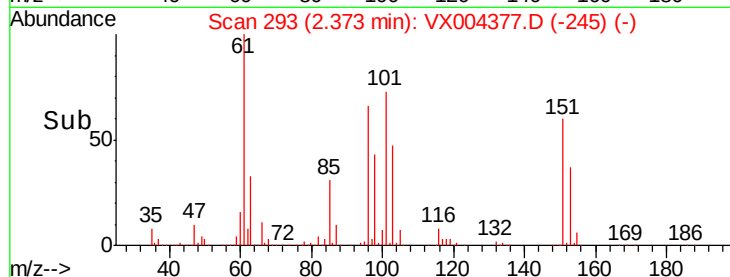
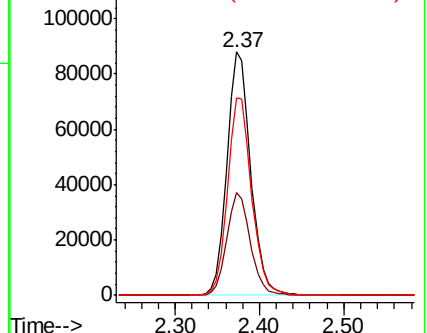
151 82.1 65.0 97.6



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: 47.14 ug/l

RT: 2.50 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

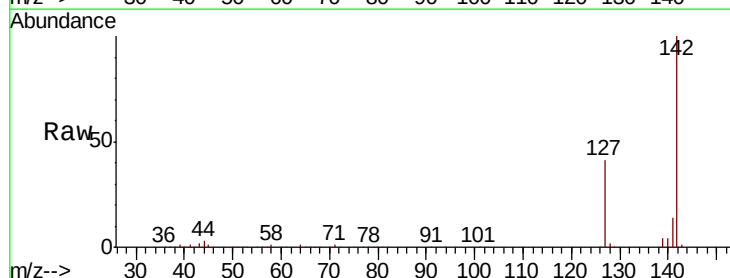
Tgt Ion:142 Resp: 191584

Ion Ratio Lower Upper

142 100

127 40.1 33.8 50.6

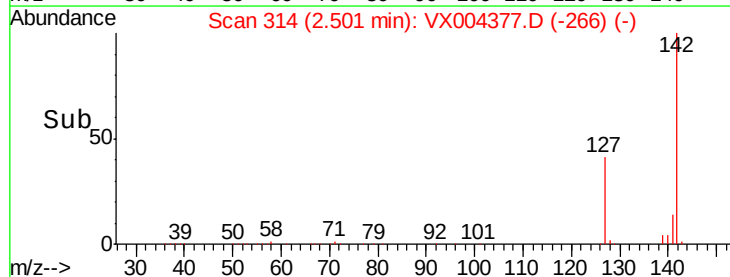
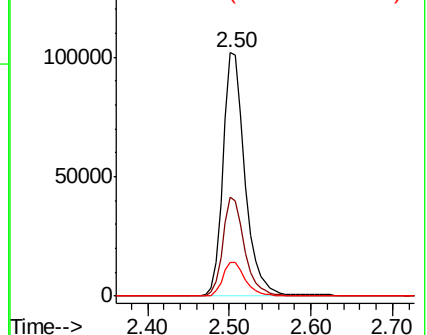
141 14.2 11.4 17.0

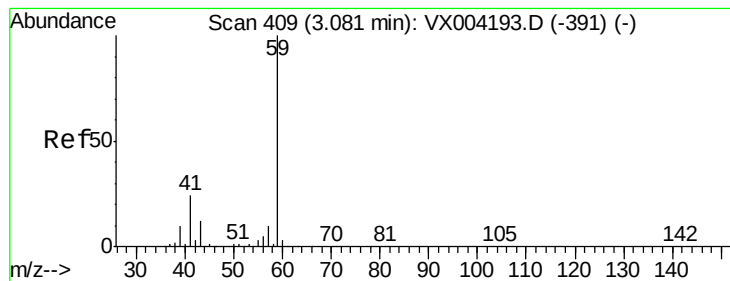


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



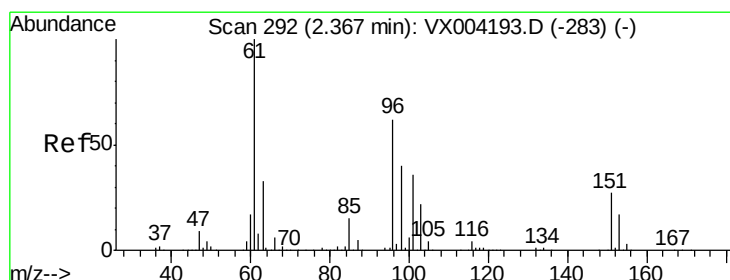
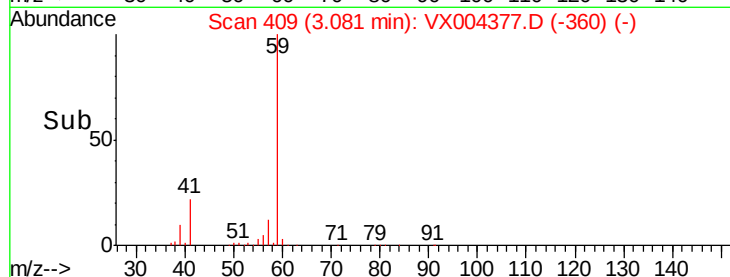
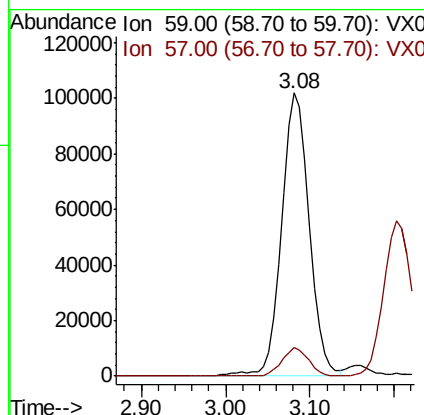
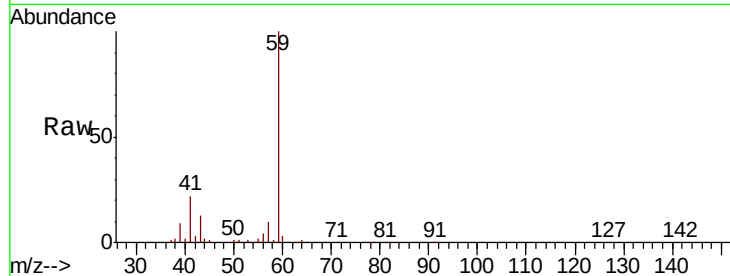


#11

Tert butyl alcohol  
 Concen: 259.53 ug/l  
 RT: 3.08 min Scan# 409  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

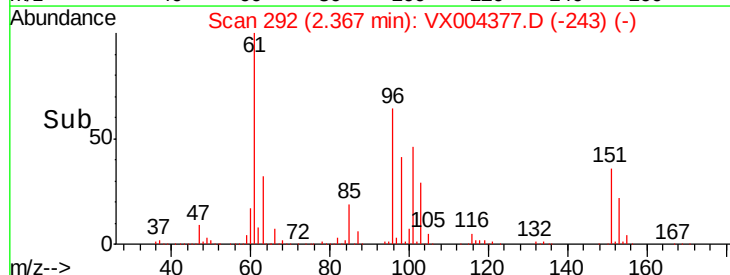
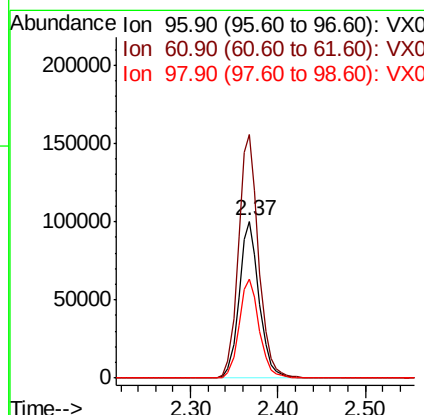
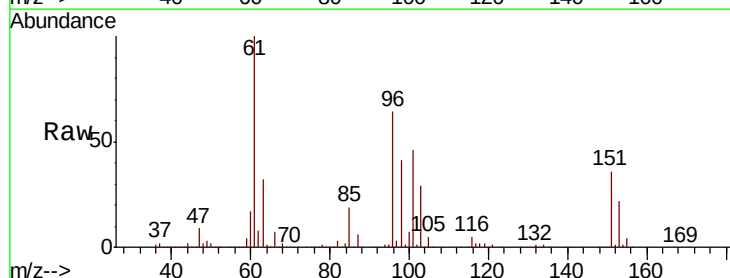
Tot Ion: 59 Resp: 232220  
 Ion Ratio Lower Upper  
 59 100  
 57 9.9 8.2 12.4

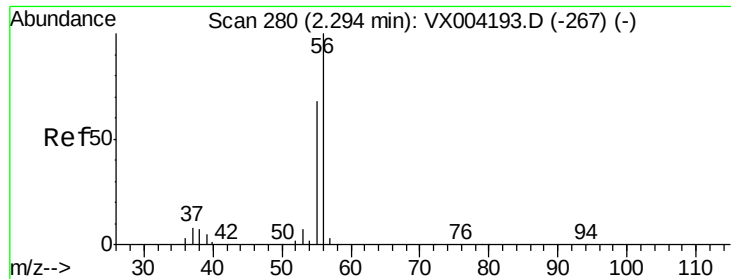


#12

1,1-Dichloroethene  
 Concen: 46.73 ug/l  
 RT: 2.37 min Scan# 292  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion: 96 Resp: 159428  
 Ion Ratio Lower Upper  
 96 100  
 61 155.3 128.8 193.2  
 98 63.5 52.2 78.2





#13

Acrolein

Concen: 242.49 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

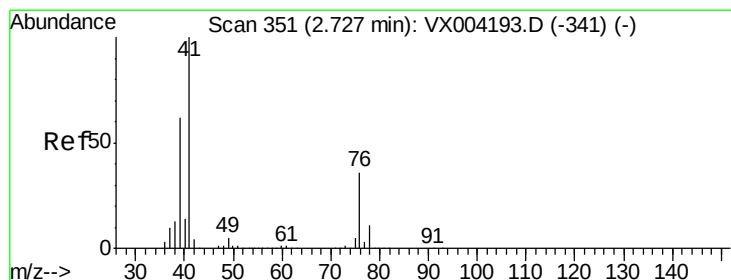
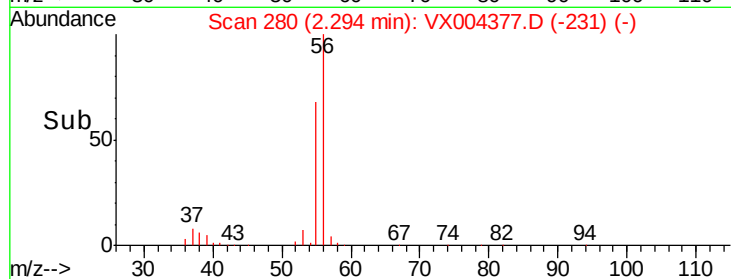
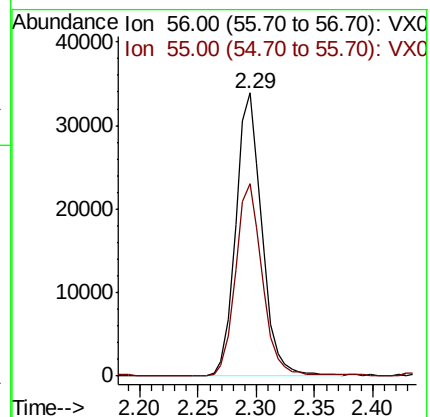
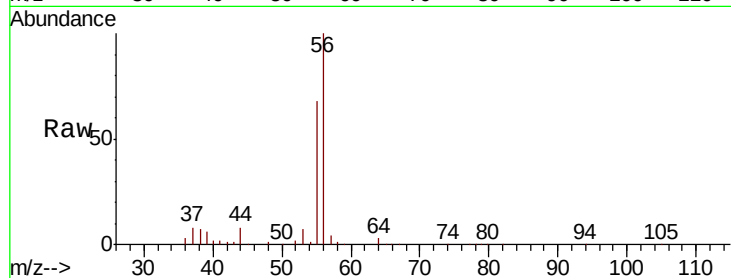
VSTDCCC050EC

Tot Ion: 56 Resp: 52308

Ion Ratio Lower Upper

56 100

55 70.1 54.7 82.1



#14

Allyl chloride

Concen: 49.06 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

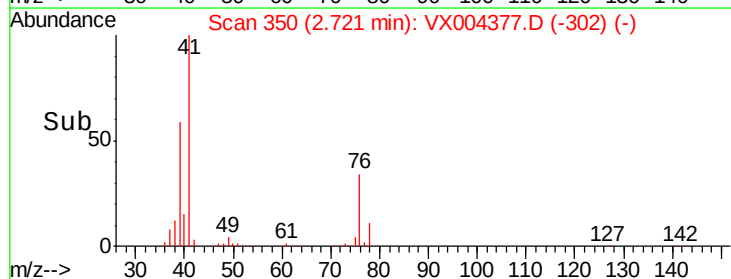
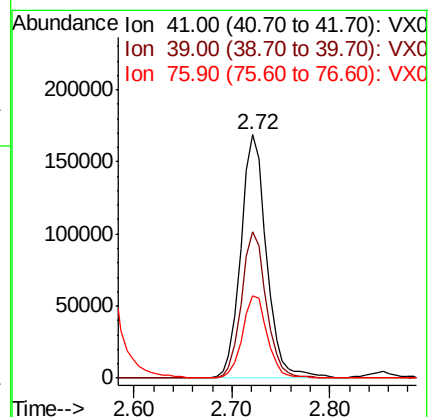
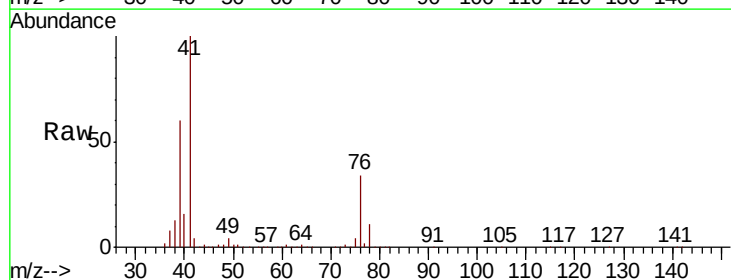
Tgt Ion: 41 Resp: 307538

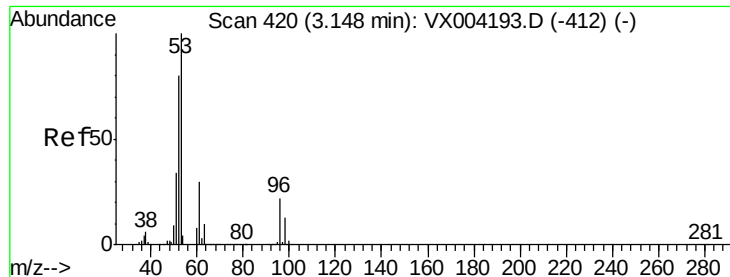
Ion Ratio Lower Upper

41 100

39 58.2 48.9 73.3

76 33.0 26.7 40.1





#15

Acrylonitrile

Concen: 252.31 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

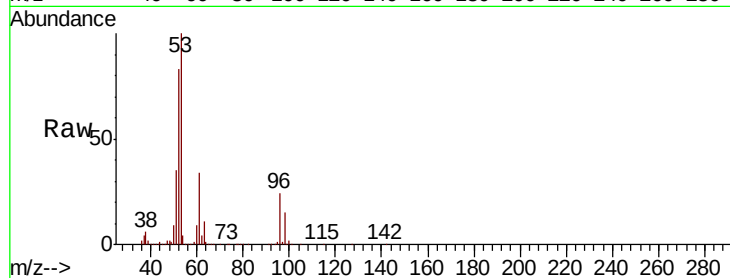
Tot Ion: 53 Resp: 559083

Ion Ratio Lower Upper

53 100

52 81.9 65.2 97.8

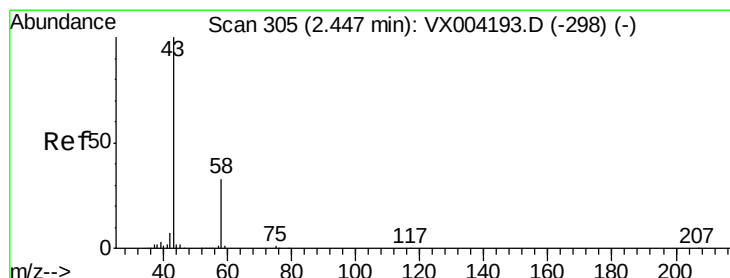
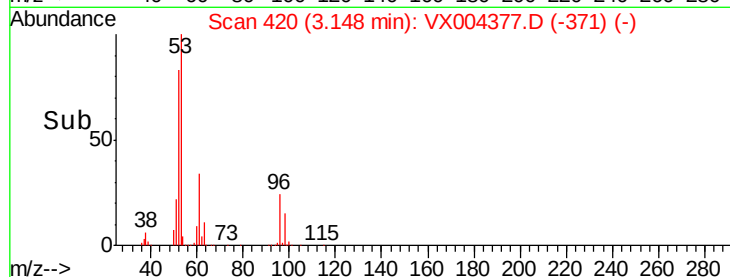
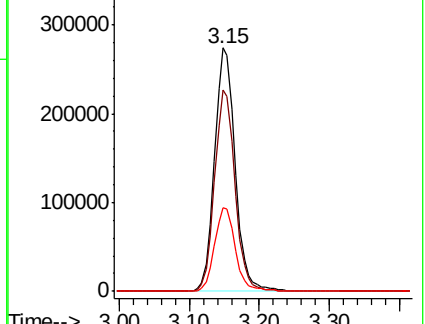
51 35.0 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 259.03 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004377.D

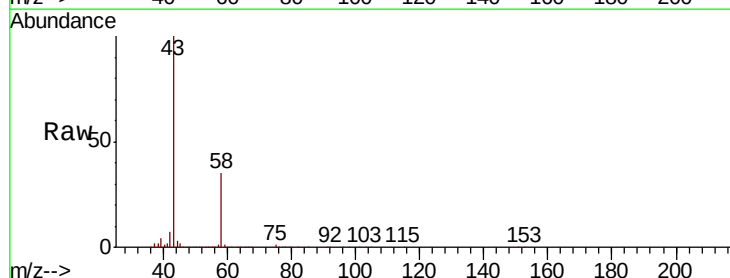
Acq: 05 Sep 2018 18:28

Tgt Ion: 43 Resp: 443355

Ion Ratio Lower Upper

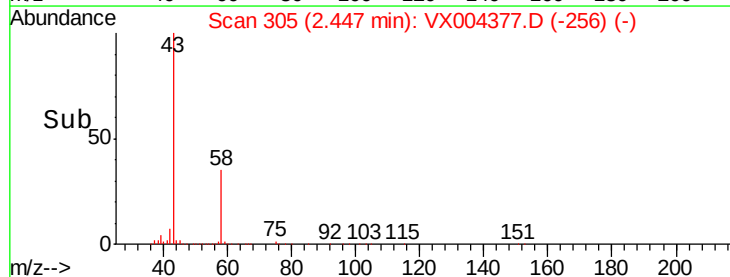
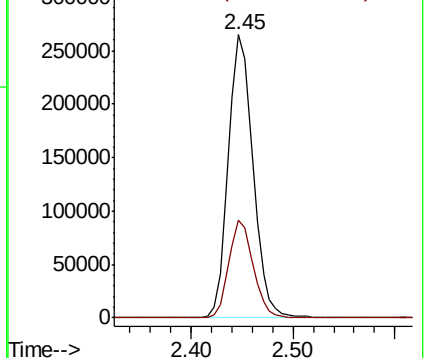
43 100

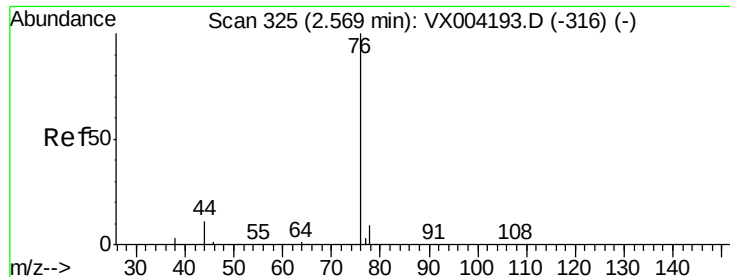
58 34.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

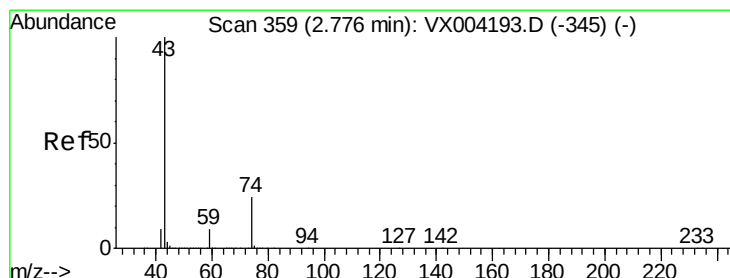
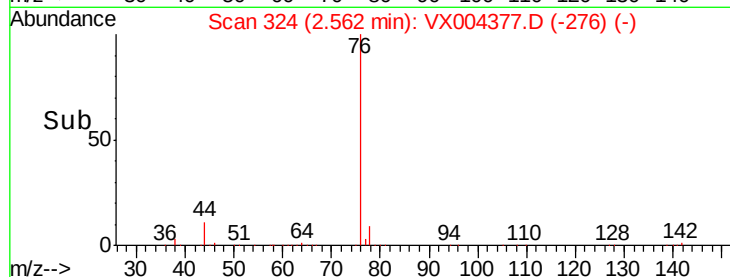
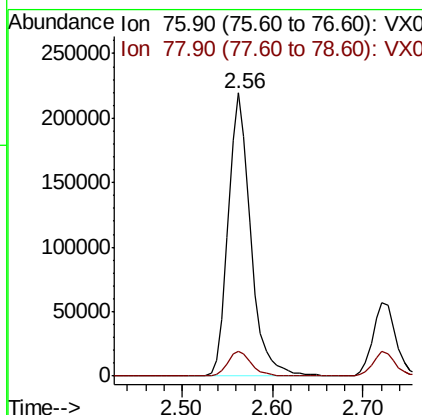
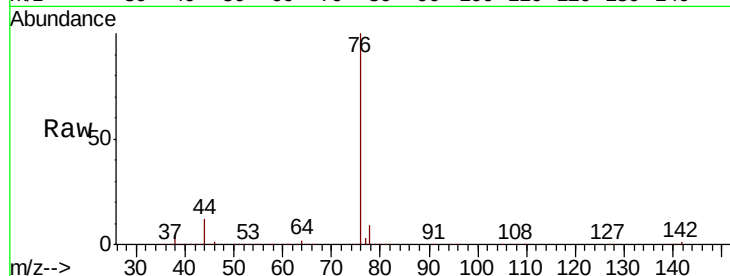




#17  
Carbon Disulfide  
Concen: 40.04 ug/l  
RT: 2.56 min Scan# 324  
Delta R.T. -0.01 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

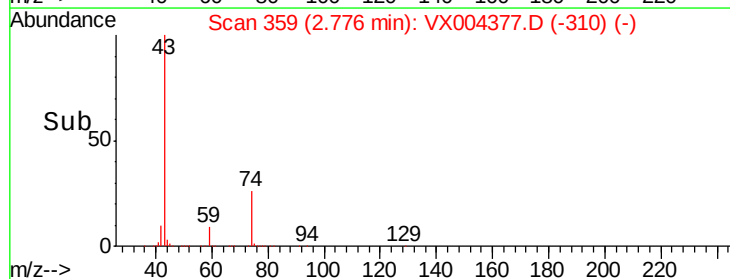
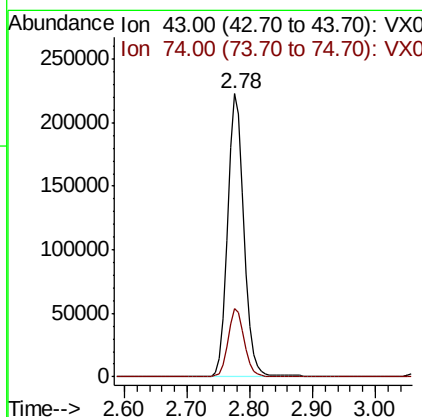
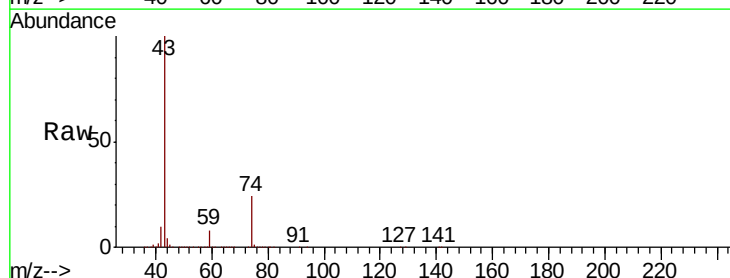
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

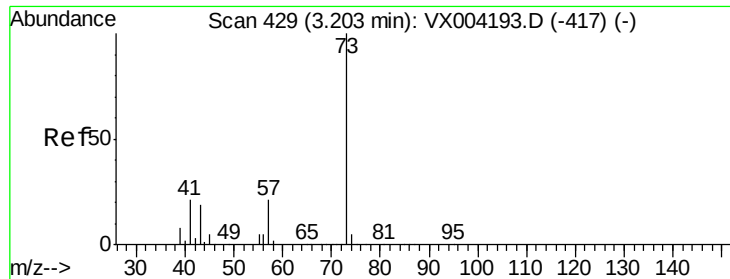
Tot Ion: 76 Resp: 377813  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.0 10.6



#18  
Methyl Acetate  
Concen: 64.10 ug/l  
RT: 2.78 min Scan# 359  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Tgt Ion: 43 Resp: 399272  
Ion Ratio Lower Upper  
43 100  
74 23.8 19.4 29.2

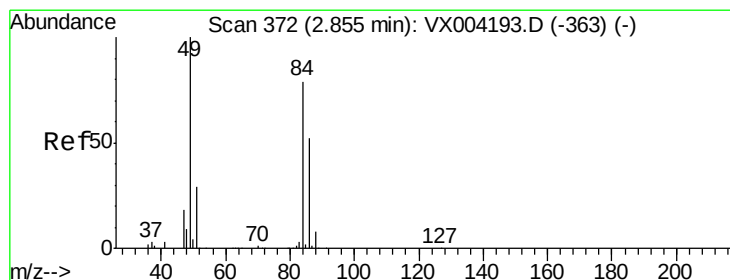
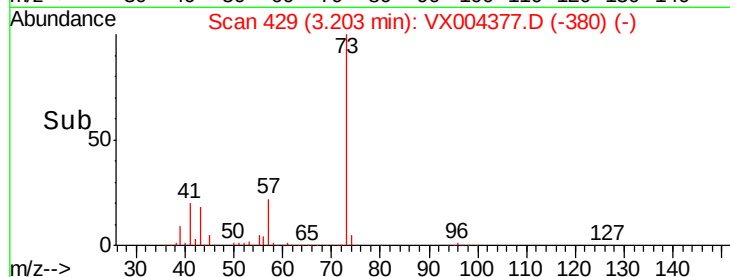
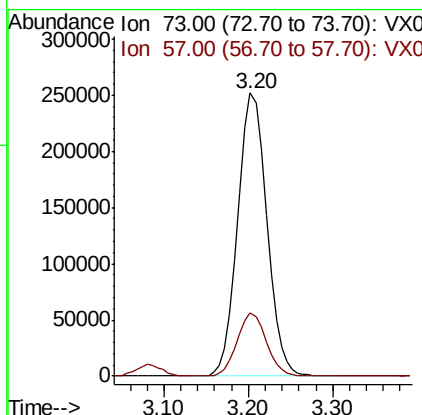
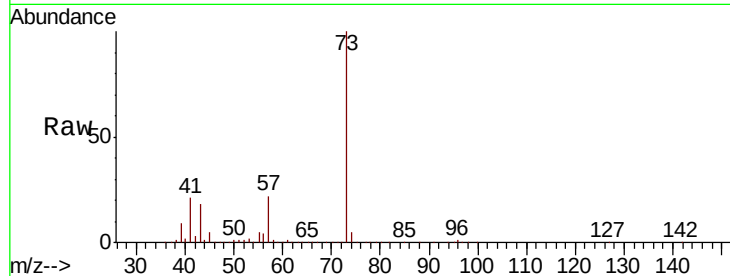




#19  
Methyl tert-butyl Ether  
Concen: 52.48 ug/l  
RT: 3.20 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

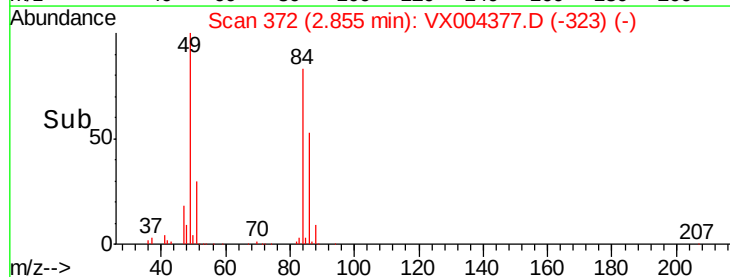
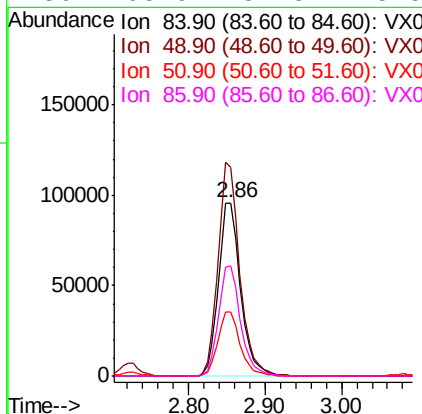
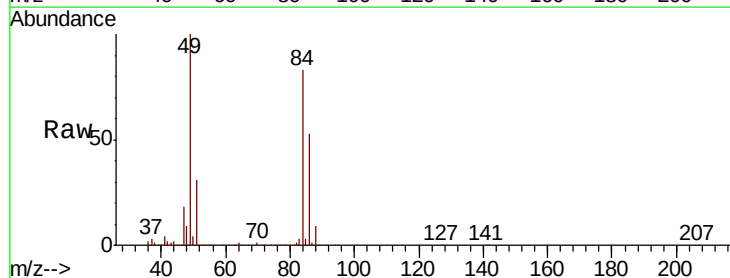
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

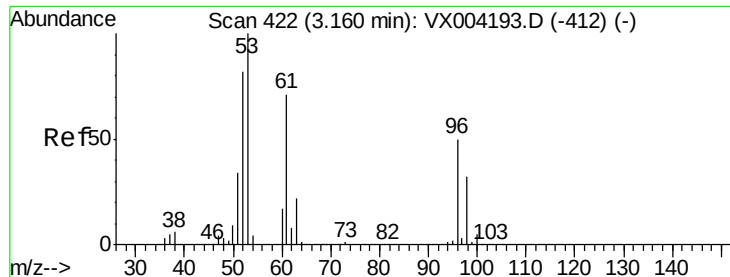
Tot Ion: 73 Resp: 590054  
Ion Ratio Lower Upper  
73 100  
57 22.1 17.1 25.7



#20  
Methylene Chloride  
Concen: 47.19 ug/l  
RT: 2.86 min Scan# 372  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Tgt Ion: 84 Resp: 190674  
Ion Ratio Lower Upper  
84 100  
49 120.6 101.2 151.8  
51 36.7 29.5 44.3  
86 63.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 46.19 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

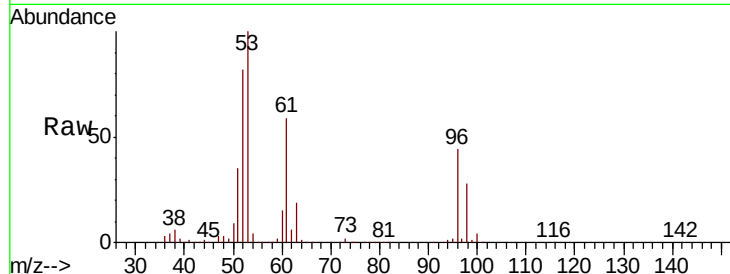
Tot Ion: 96 Resp: 174432

Ion Ratio Lower Upper

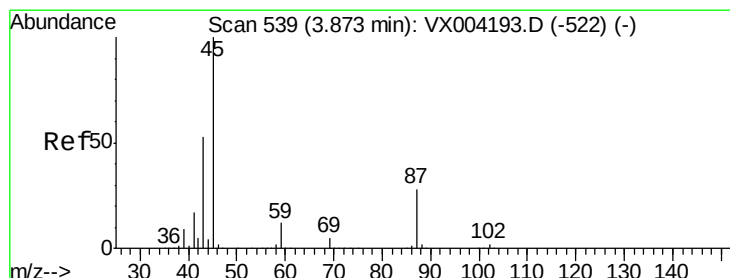
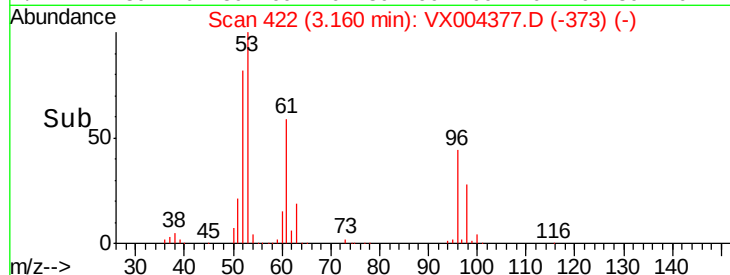
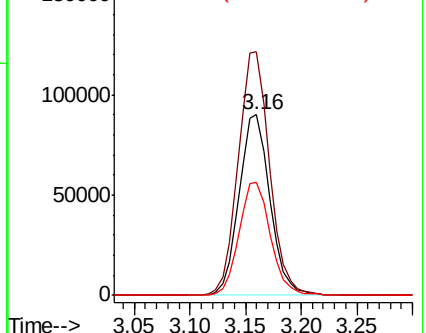
96 100

61 134.7 113.8 170.6

98 63.0 51.8 77.8



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: 51.12 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Tgt Ion: 45 Resp: 598340

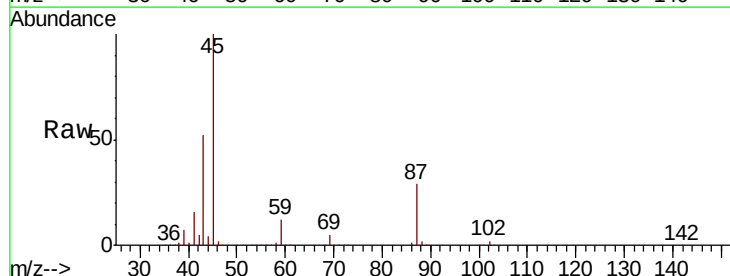
Ion Ratio Lower Upper

45 100

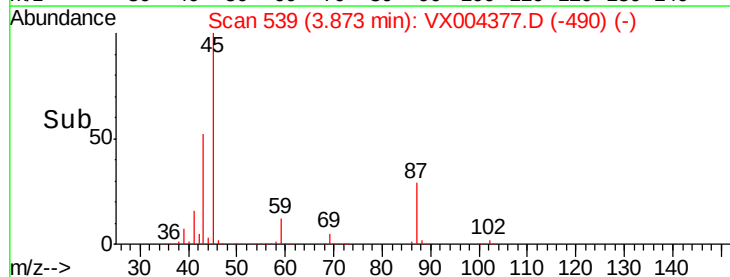
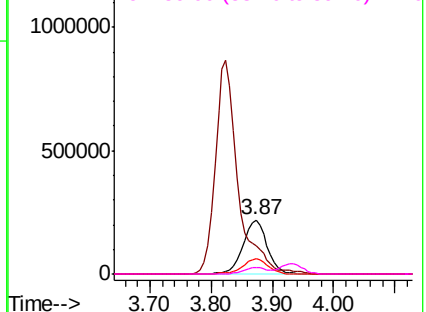
43 52.1 42.8 64.2

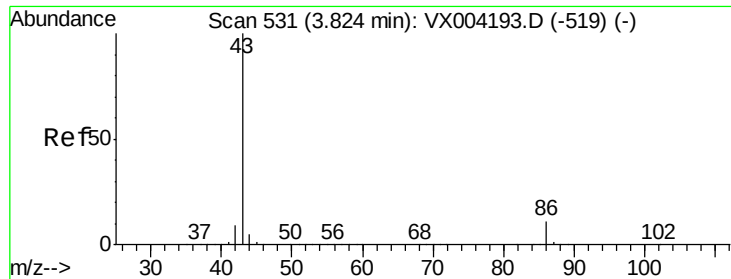
87 28.7 22.6 34.0

59 12.3 9.6 14.4



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





#23

Vinyl Acetate

Concen: 238.04 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

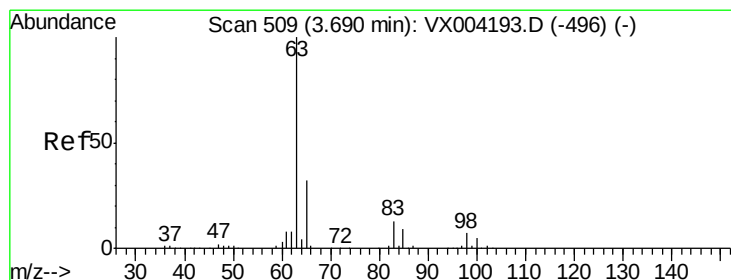
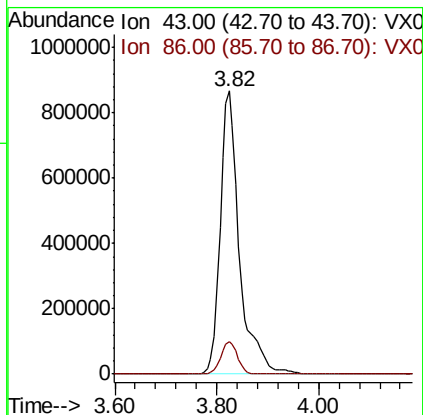
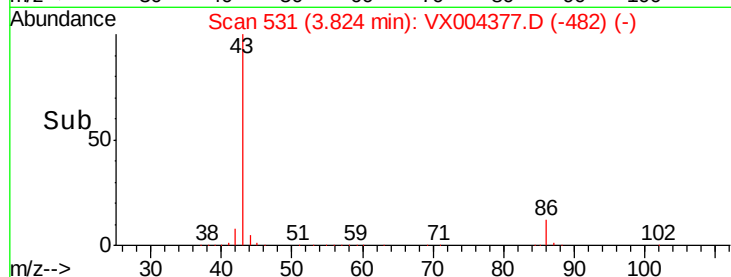
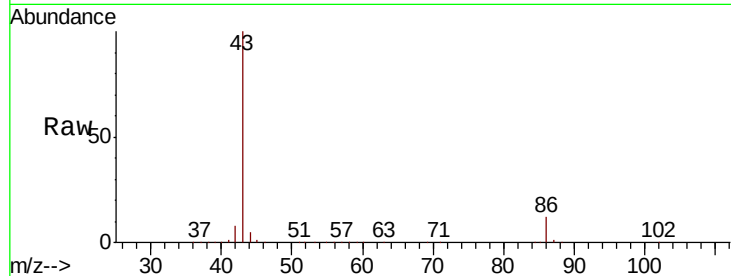
VSTDCCC050EC

Tot Ion: 43 Resp: 2258011

Ion Ratio Lower Upper

43 100

86 11.6 8.9 13.3



#24

1,1-Dichloroethane

Concen: 50.17 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

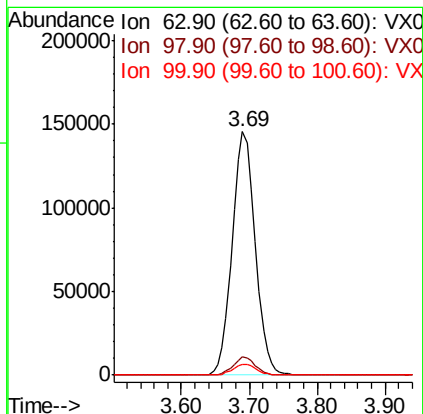
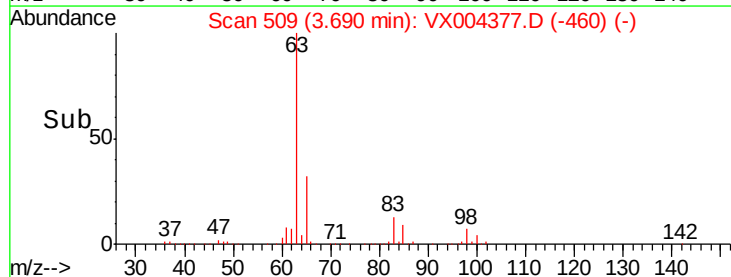
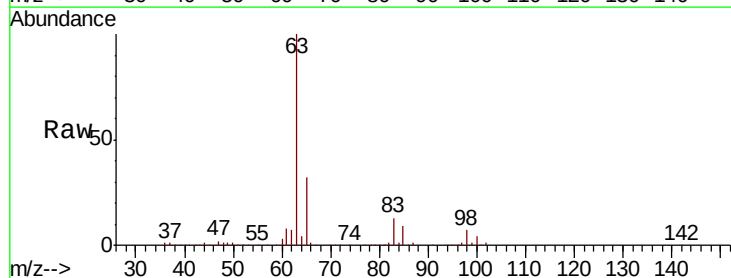
Tgt Ion: 63 Resp: 342197

Ion Ratio Lower Upper

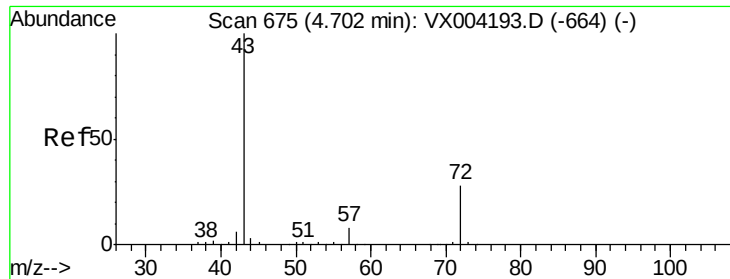
63 100

98 7.3 3.5 10.4

100 4.5 2.4 7.1







#25

2-Butanone

Concen: 262.93 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

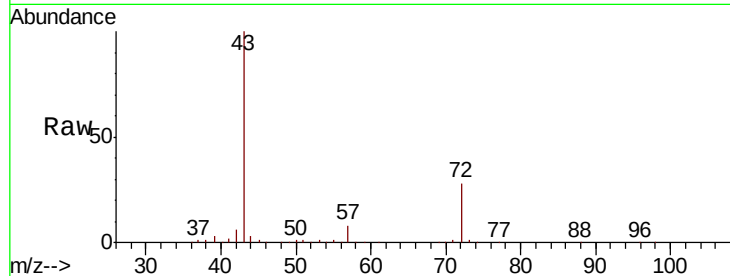
VSTDCCC050EC

Tot Ion: 43 Resp: 739095

Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Time-->

4.60 4.70 4.80

250000

200000

150000

100000

50000

0

4.60 4.70 4.80

4.71

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

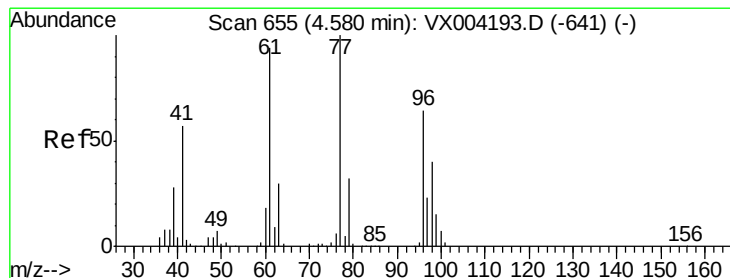
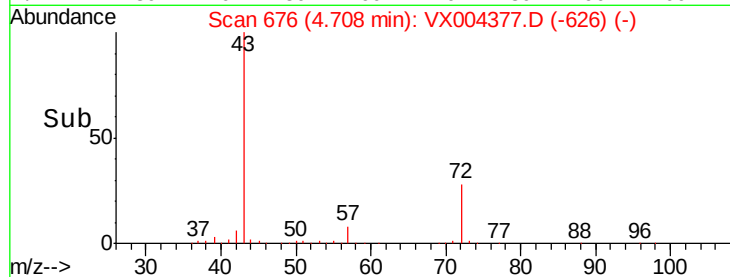
4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 45.75 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004377.D

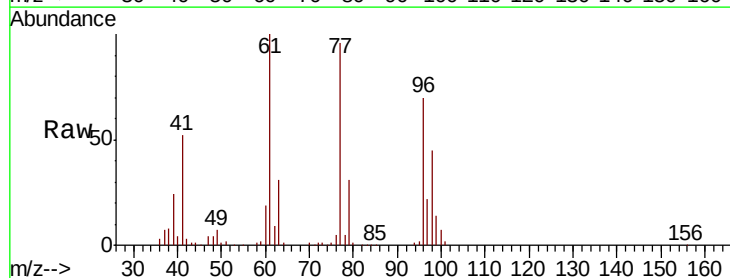
Acq: 05 Sep 2018 18:28

Tgt Ion: 77 Resp: 244740

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

Time-->

4.40 4.50 4.60 4.70

80000

60000

40000

20000

0

4.40 4.50 4.60 4.70

4.58

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

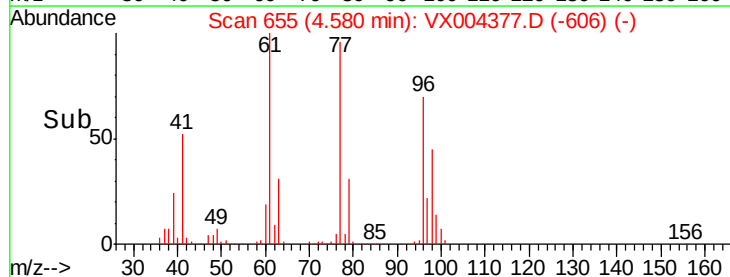
4.40 4.50 4.60 4.70

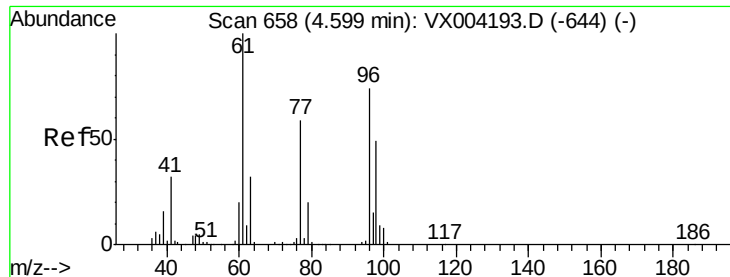
4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70

4.40 4.50 4.60 4.70



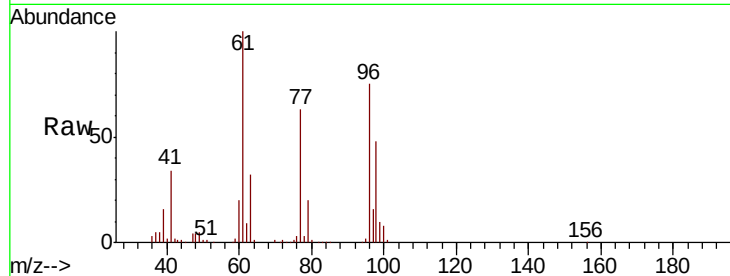


#27

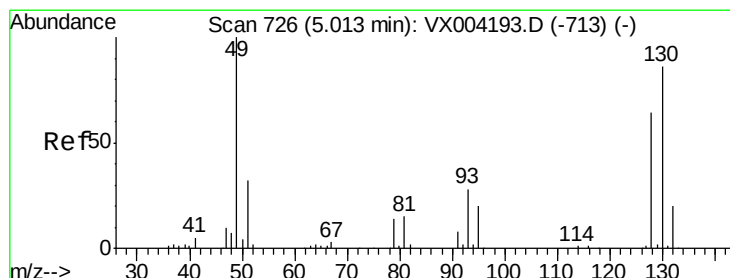
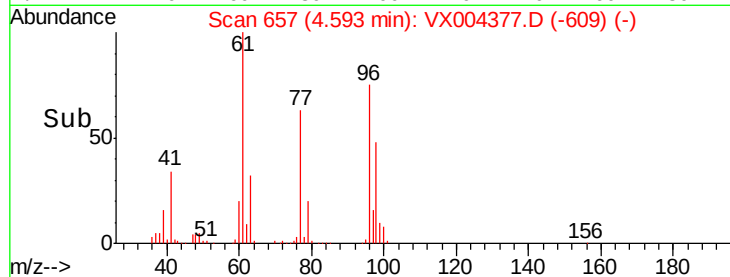
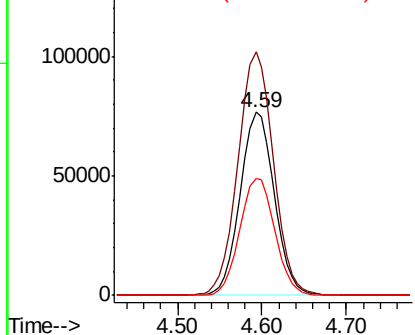
cis-1,2-Dichloroethene  
Concen: 49.29 ug/l  
RT: 4.59 min Scan# 657  
Delta R.T. -0.01 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 138.1 | 0.0   | 282.6 |
| 98      | 65.5  | 0.0   | 130.2 |



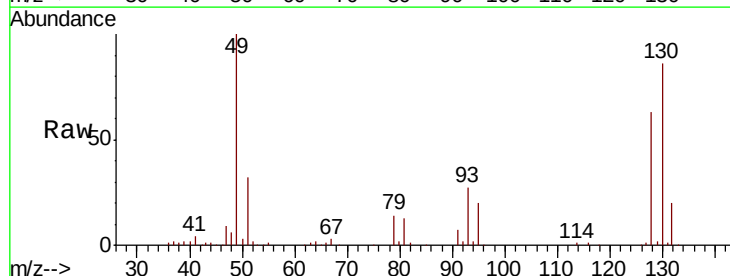
Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



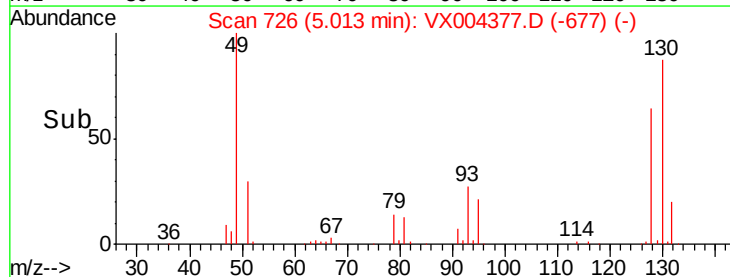
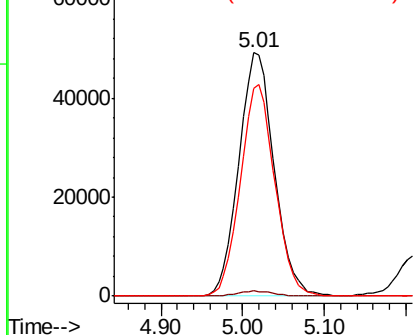
#28

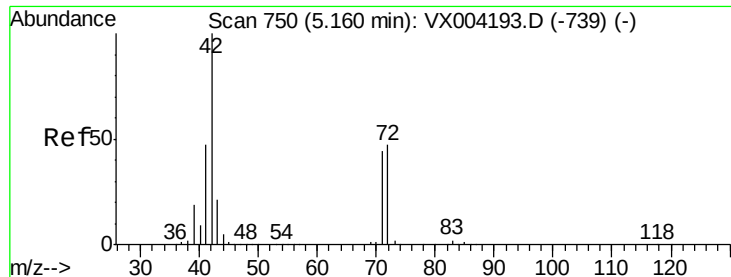
Bromochloromethane  
Concen: 49.02 ug/l  
RT: 5.01 min Scan# 726  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.1   | 0.0   | 4.2   |
| 130     | 85.1  | 67.5  | 101.3 |



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: 258.99 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

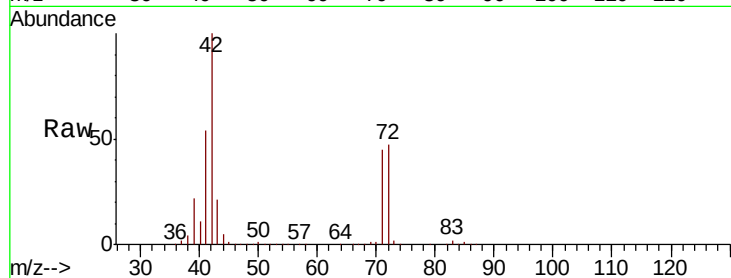
Tot Ion: 42 Resp: 467087

Ion Ratio Lower Upper

42 100

72 47.2 37.4 56.0

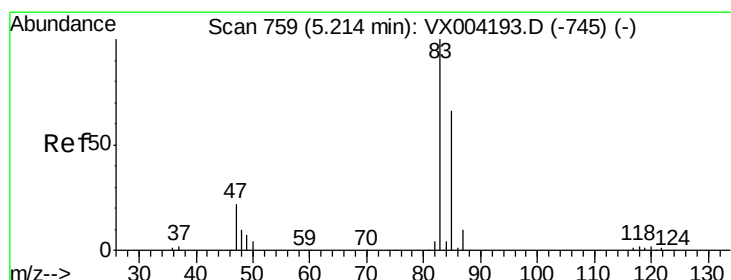
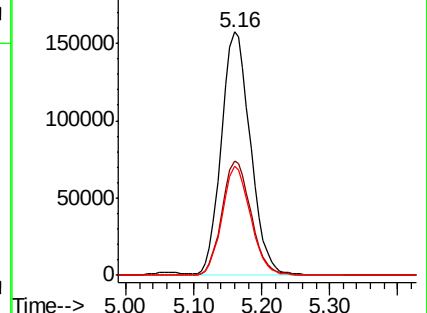
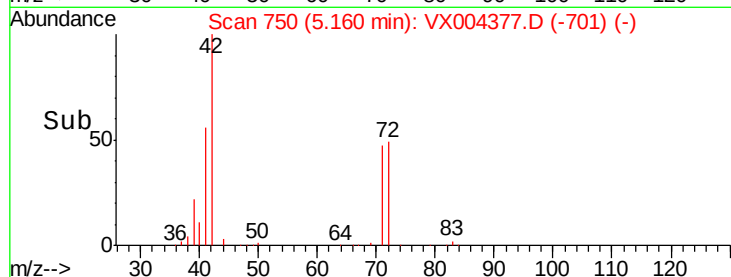
71 44.0 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 49.71 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX004377.D

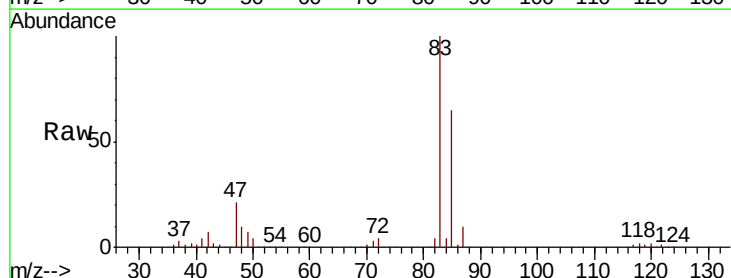
Acq: 05 Sep 2018 18:28

Tgt Ion: 83 Resp: 339920

Ion Ratio Lower Upper

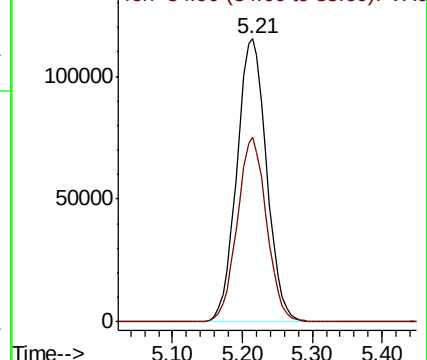
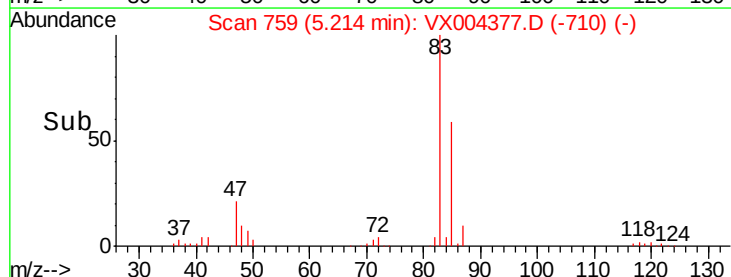
83 100

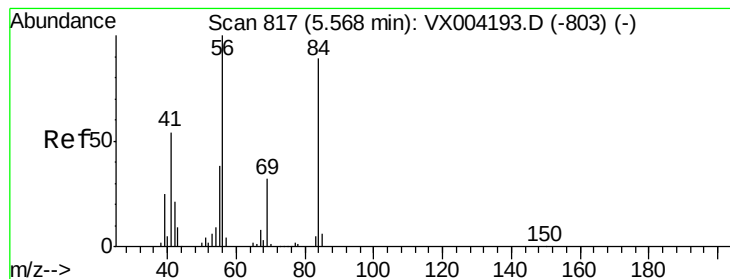
85 65.3 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.28 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

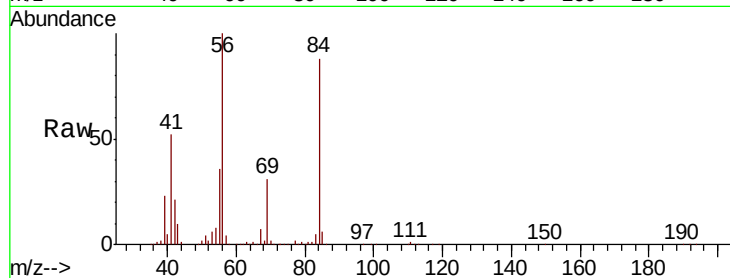
Tot Ion: 56 Resp: 284132

Ion Ratio Lower Upper

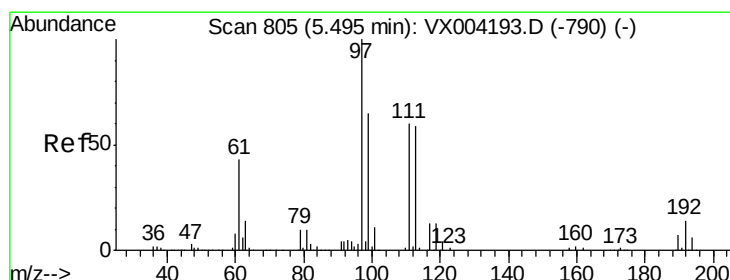
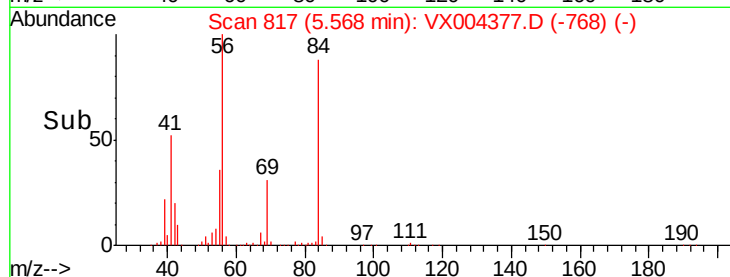
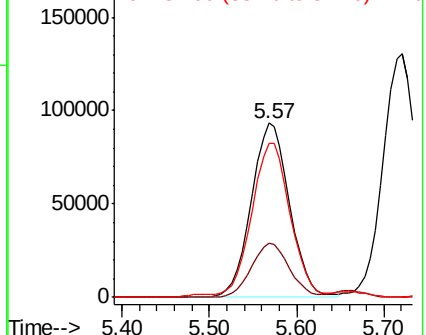
56 100

69 30.7 25.4 38.2

84 87.1 71.4 107.2



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: 49.75 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

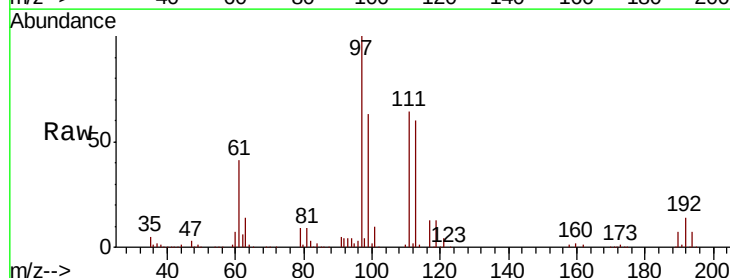
Tgt Ion: 97 Resp: 283691

Ion Ratio Lower Upper

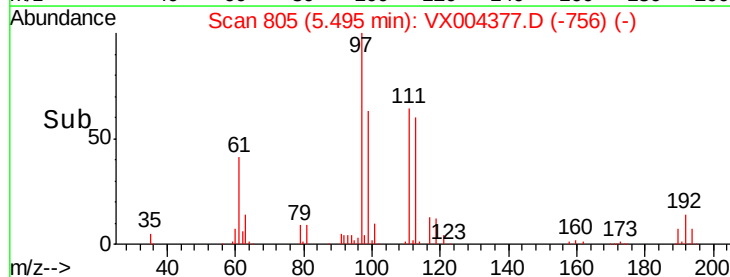
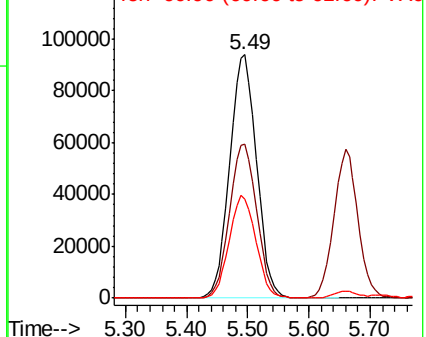
97 100

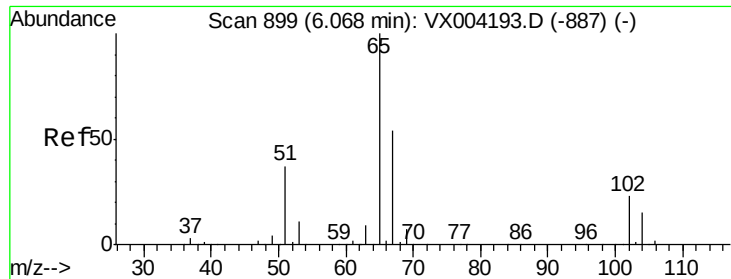
99 64.2 52.0 78.0

61 42.2 34.9 52.3



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

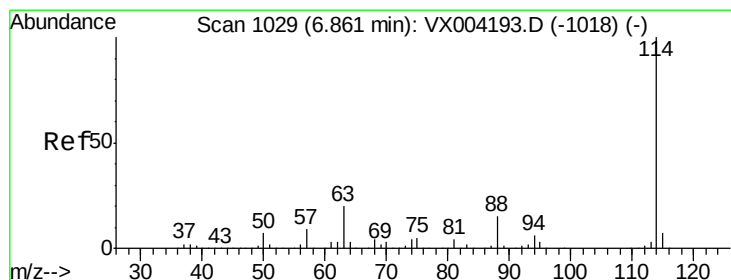
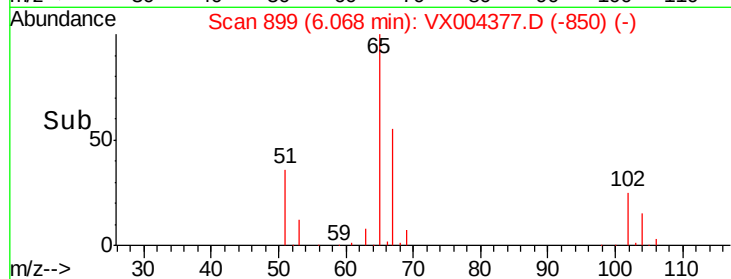
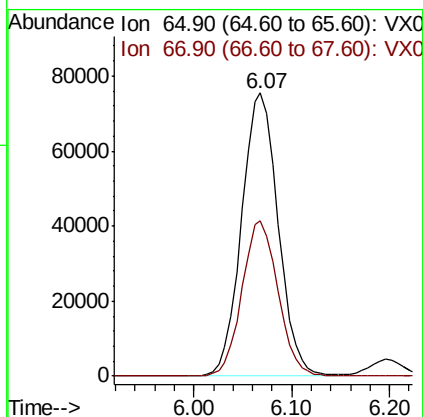
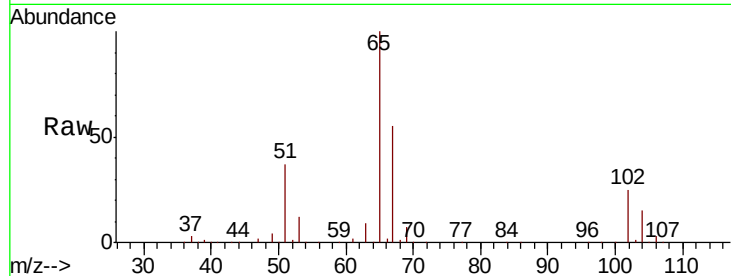




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.69 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

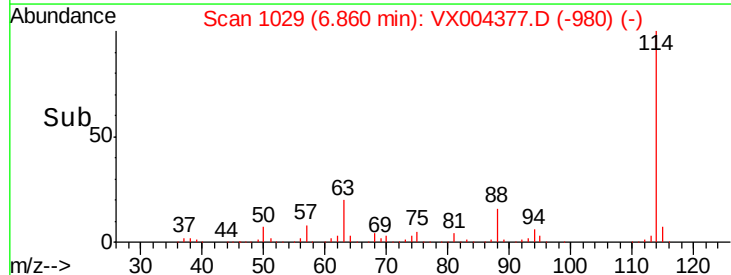
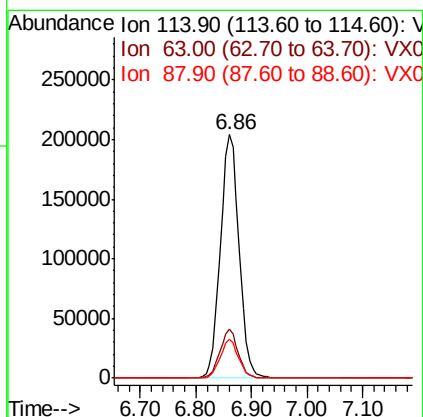
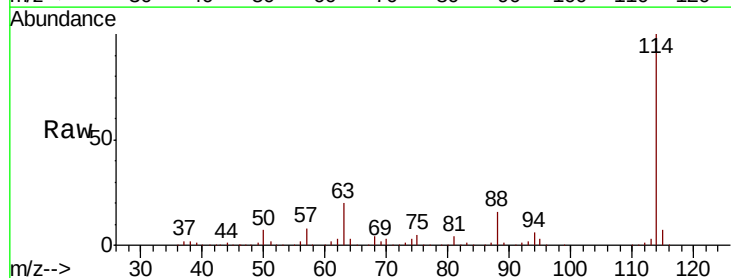
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

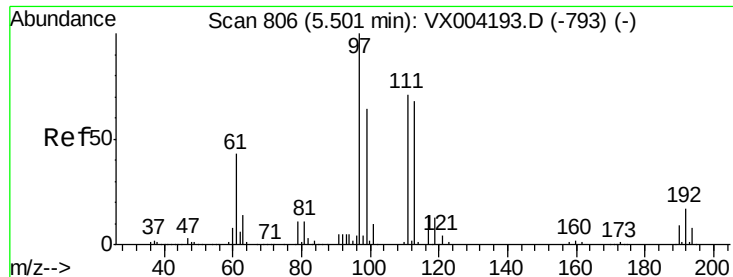
Tot Ion: 65 Resp: 195999  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 1029  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion: 114 Resp: 472805  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 39.0  
 88 15.9 0.0 30.4

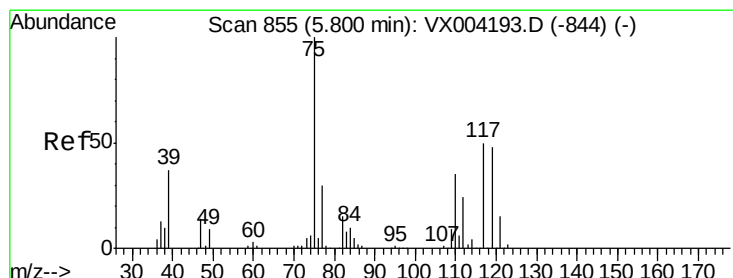
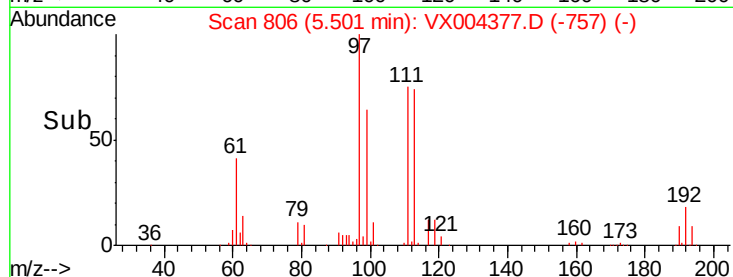
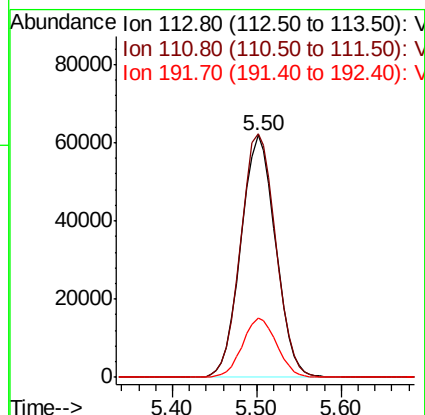
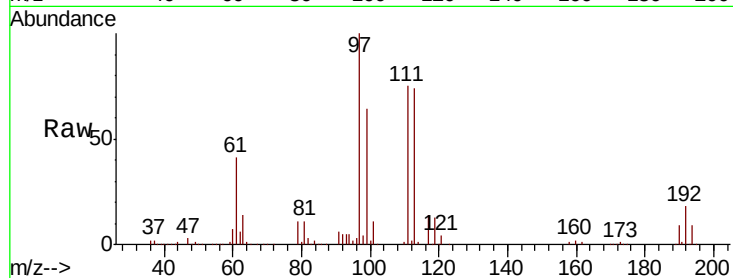




#35  
 Dibromofluoromethane  
 Concen: 48.97 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

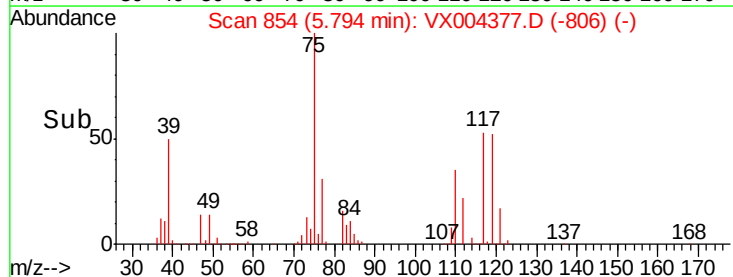
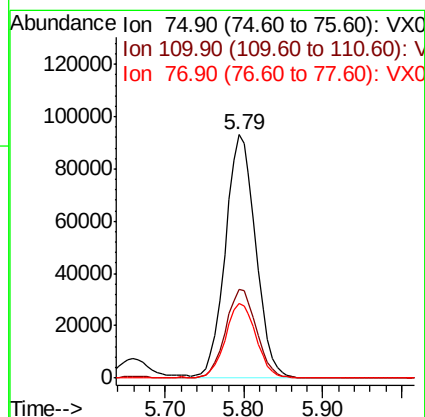
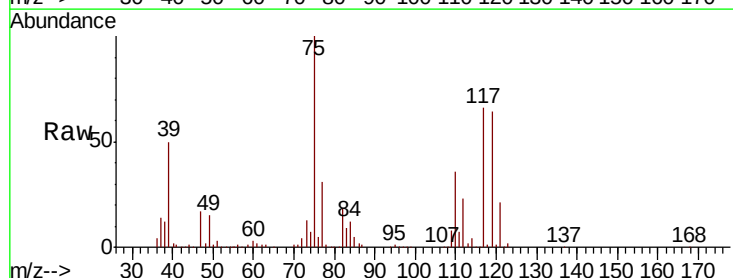
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

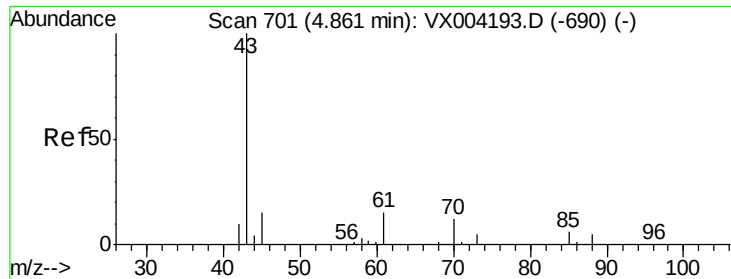
Tot Ion:113 Resp: 172241  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.4 123.6  
 192 24.2 19.4 29.2



#36  
 1,1-Dichloropropene  
 Concen: 46.70 ug/l  
 RT: 5.79 min Scan# 854  
 Delta R.T. -0.01 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion: 75 Resp: 248237  
 Ion Ratio Lower Upper  
 75 100  
 110 37.0 18.0 54.0  
 77 31.0 24.6 36.8

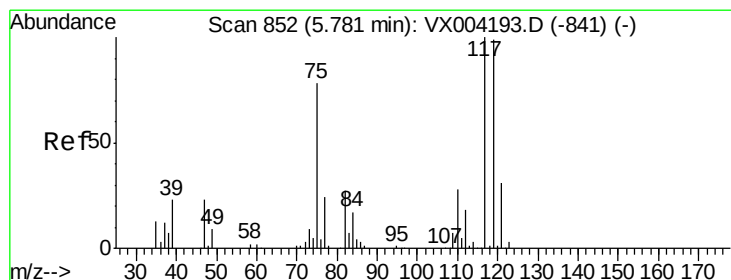
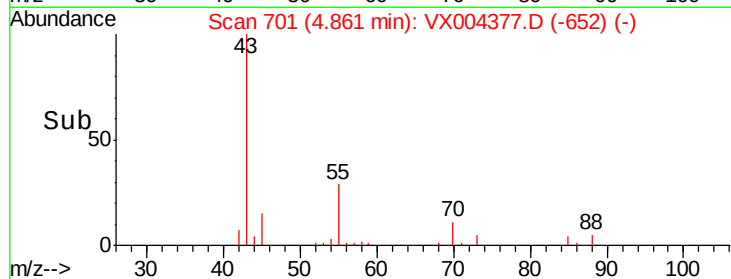
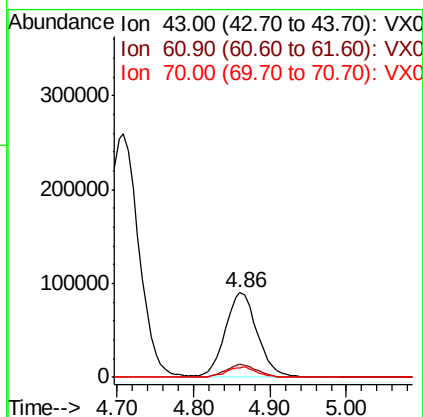
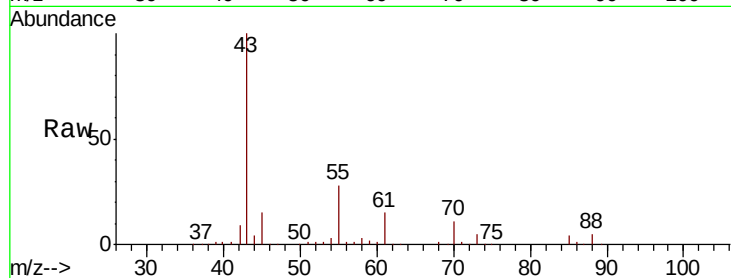




#37  
Ethyl Acetate  
Concen: 49.76 ug/l  
RT: 4.86 min Scan# 701  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

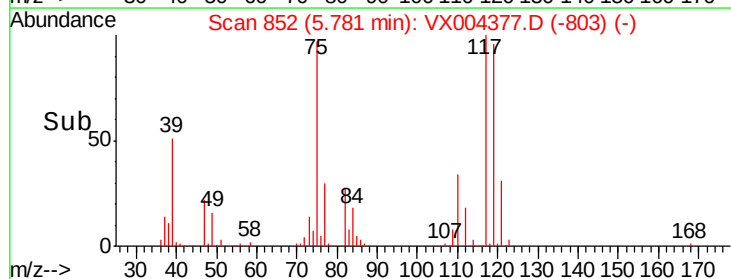
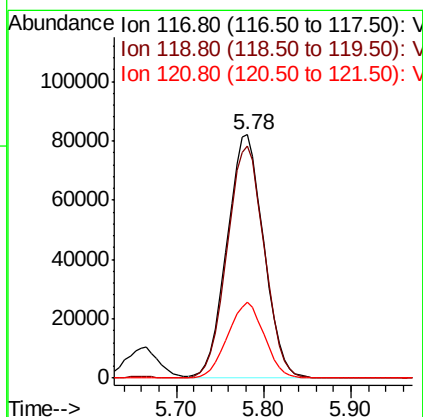
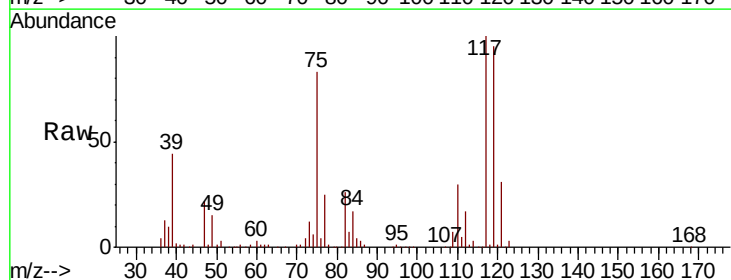
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDCCC050EC

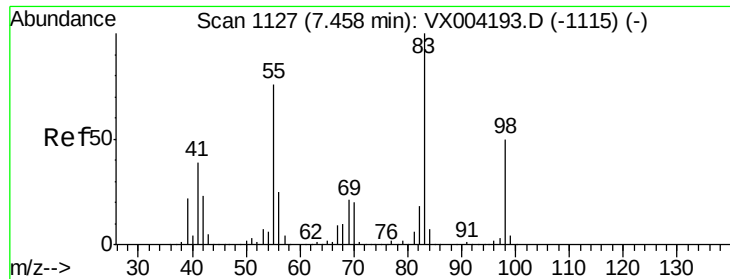
Tot Ion: 43 Resp: 260105  
Ion Ratio Lower Upper  
43 100  
61 14.6 11.5 17.3  
70 11.7 9.0 13.6



#38  
Carbon Tetrachloride  
Concen: 47.90 ug/l  
RT: 5.78 min Scan# 852  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Tgt Ion: 117 Resp: 239534  
Ion Ratio Lower Upper  
117 100  
119 95.4 78.8 118.2  
121 31.4 24.9 37.3

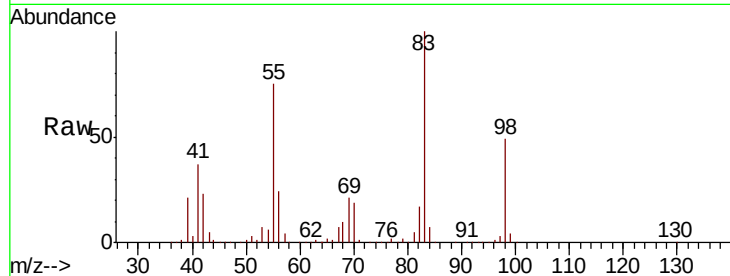




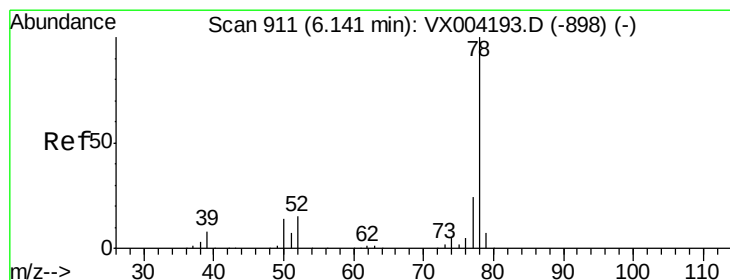
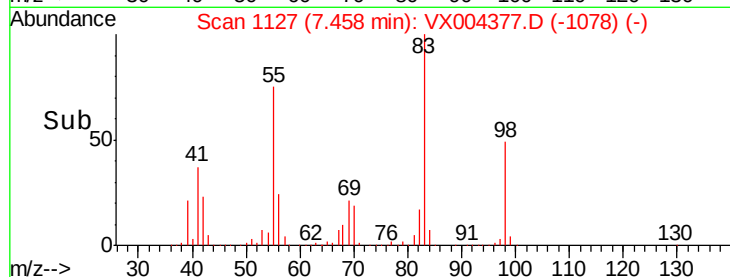
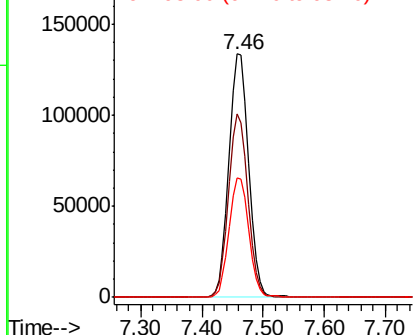
#39  
Methylvlcyclohexane  
Concen: 48.61 ug/l  
RT: 7.46 min Scan# 1127  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 83 Resp: 295011  
Ion Ratio Lower Upper  
83 100  
55 75.1 61.0 91.4  
98 49.2 39.6 59.4

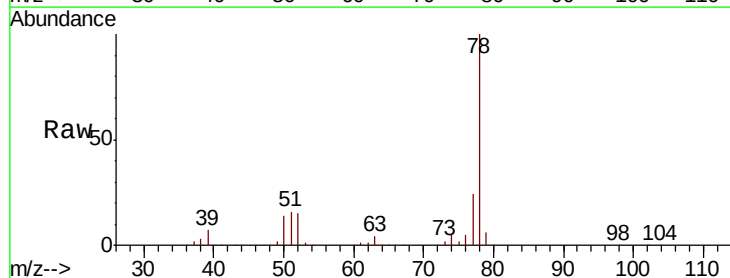


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

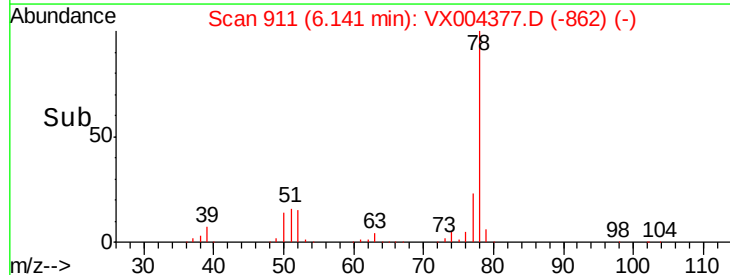
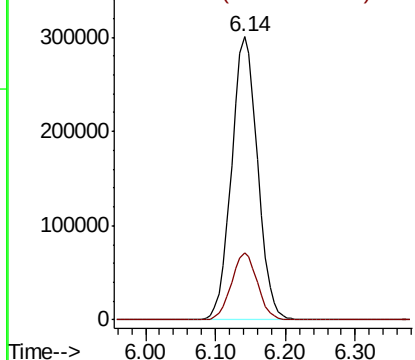


#40  
Benzene  
Concen: 48.99 ug/l  
RT: 6.14 min Scan# 911  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

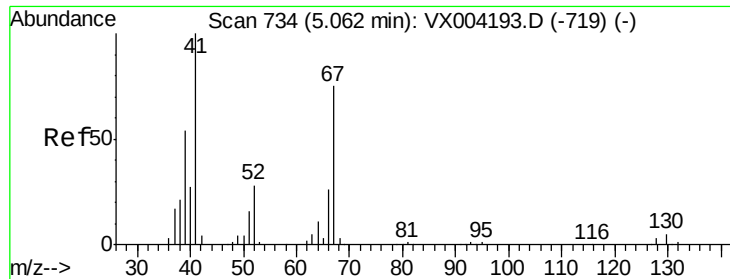
Tgt Ion: 78 Resp: 778014  
Ion Ratio Lower Upper  
78 100  
77 23.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0  
Ion 77.00 (76.70 to 77.70): VX0



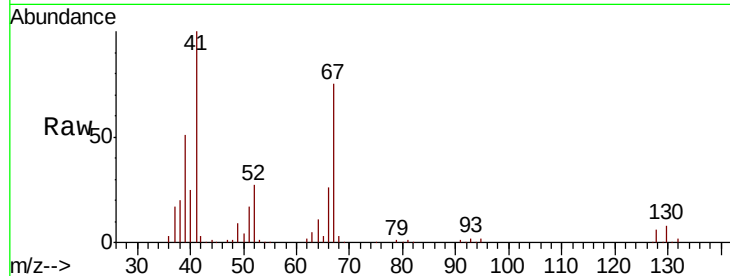




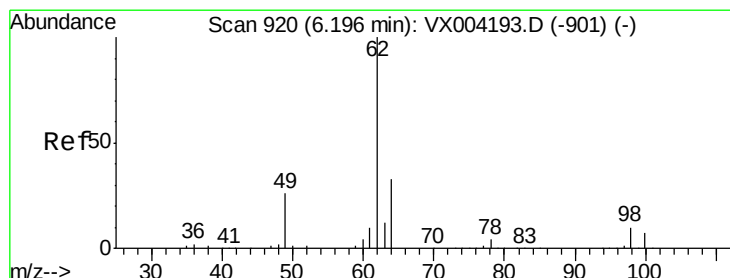
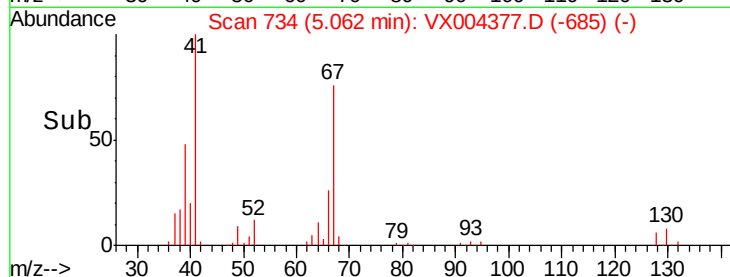
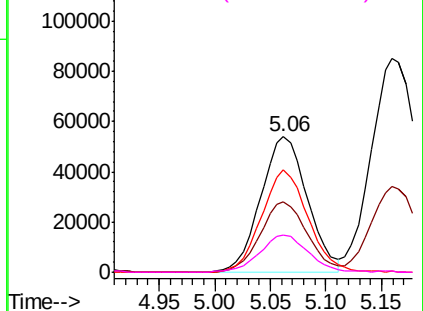
#41  
Methacrylonitrile  
Concen: 51.84 ug/l  
RT: 5.06 min Scan# 734  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 157085 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 52.3  | 42.4  | 63.6   |
| 67       | 75.5  | 59.2  | 88.8   |
| 52       | 28.3  | 23.0  | 34.4   |

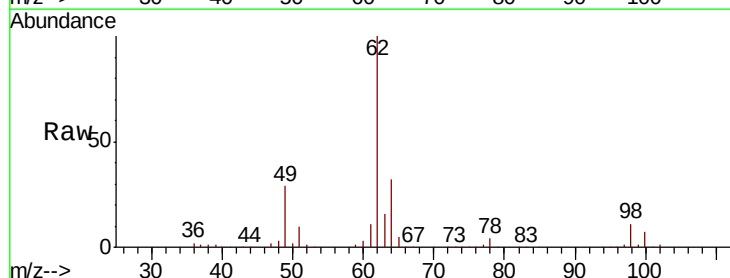


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

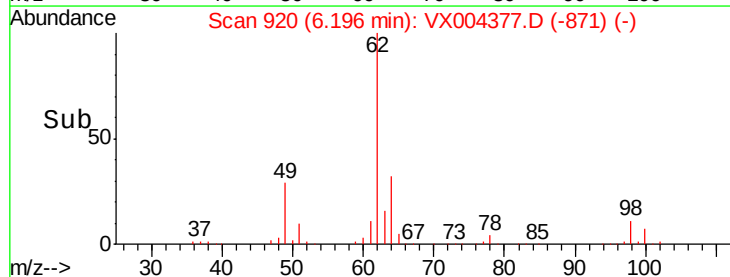
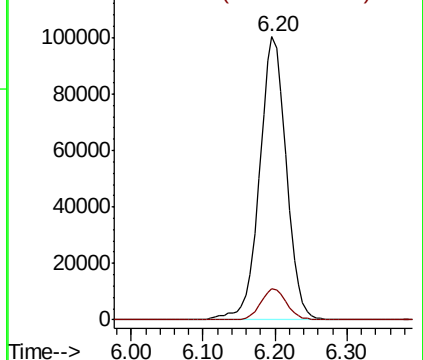


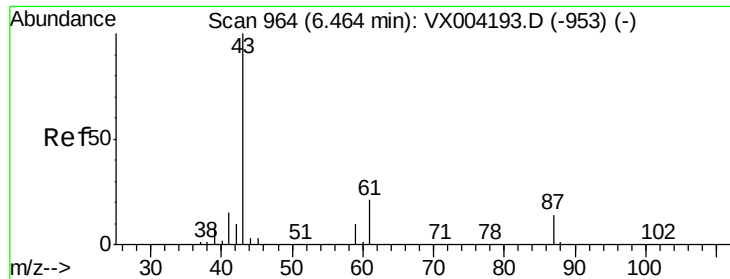
#42  
1,2-Dichloroethane  
Concen: 47.81 ug/l  
RT: 6.20 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 259030 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.6  | 0.0   | 20.6   |



Abundance Ion 61.90 (61.60 to 62.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.66 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

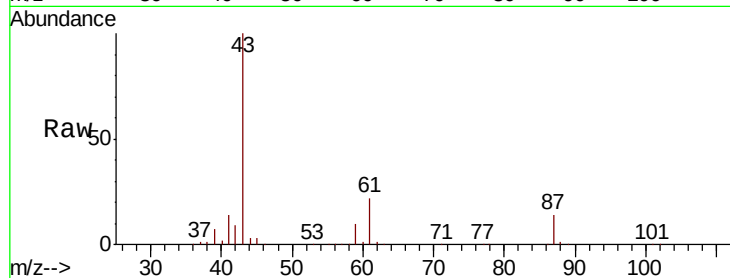
Tot Ion: 43 Resp: 422976

Ion Ratio Lower Upper

43 100

61 21.7 17.0 25.4

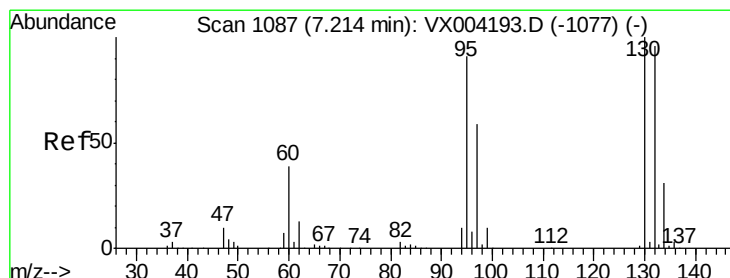
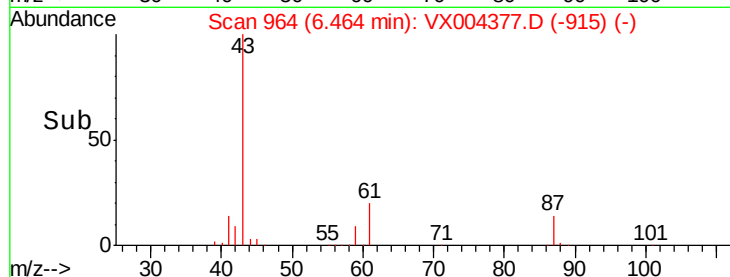
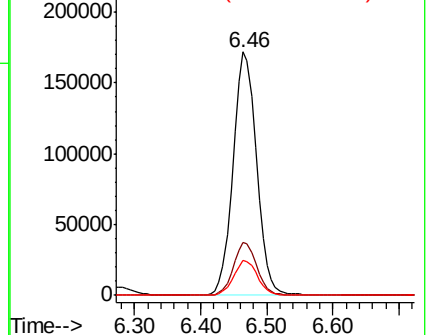
87 14.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 48.75 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004377.D

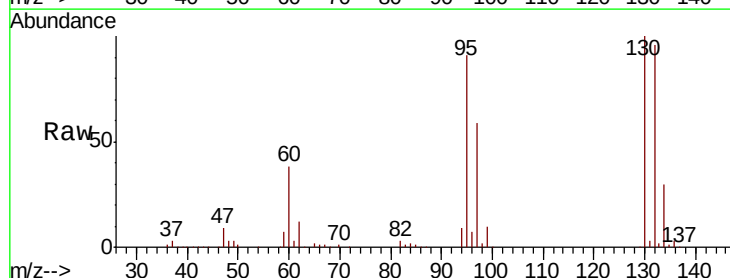
Acq: 05 Sep 2018 18:28

Tgt Ion:130 Resp: 214313

Ion Ratio Lower Upper

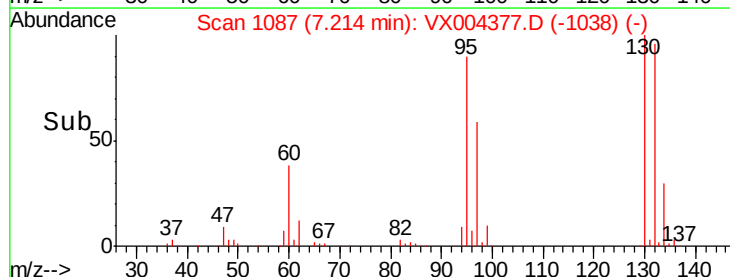
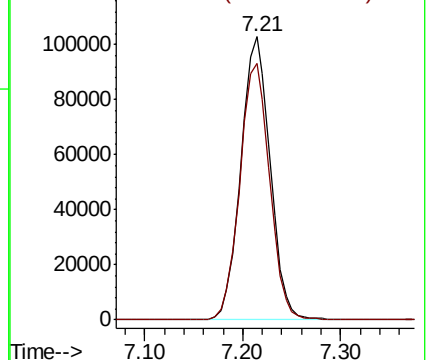
130 100

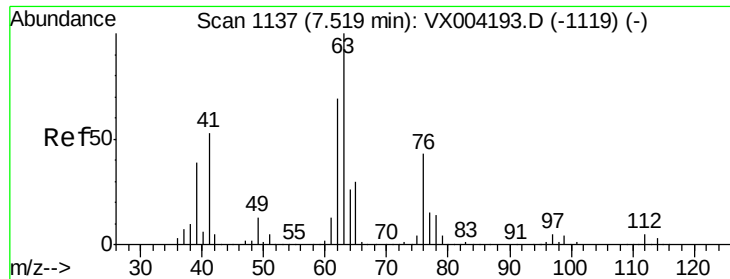
95 90.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

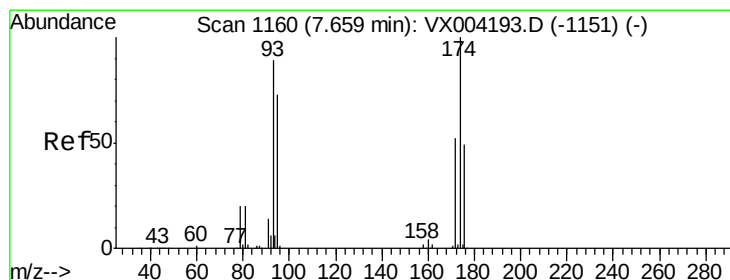
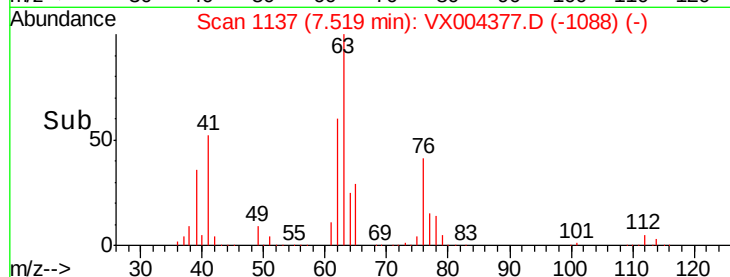
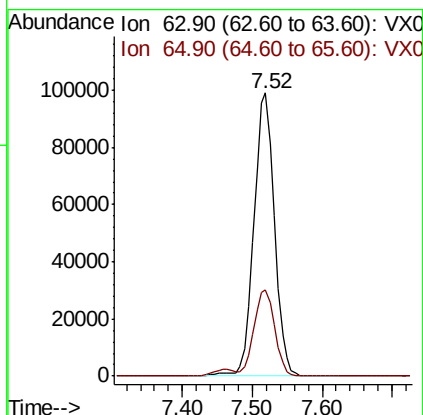
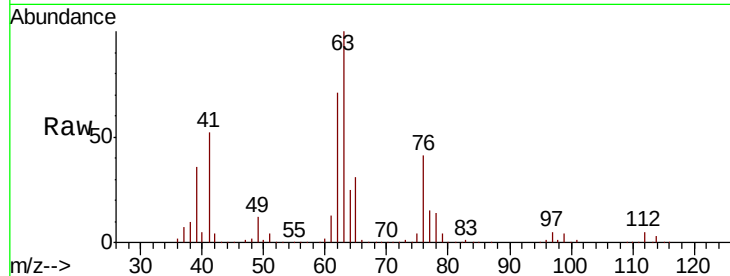




#45  
 1,2-Dichloropropane  
 Concen: 50.79 ug/l  
 RT: 7.52 min Scan# 1137  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

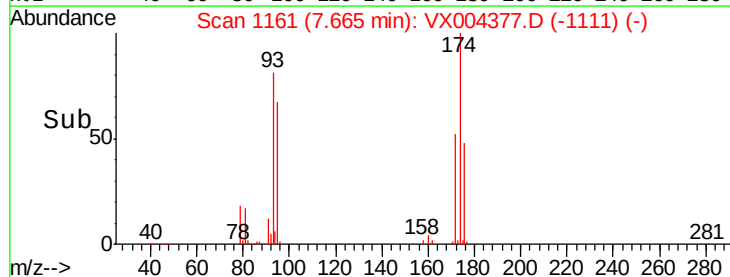
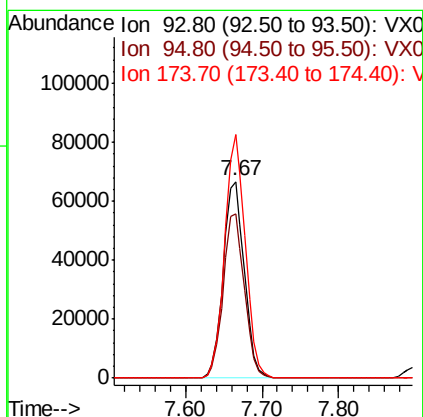
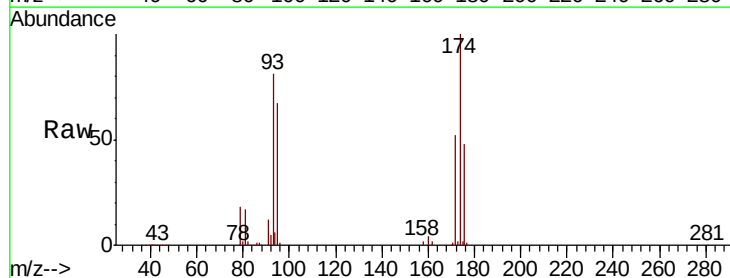
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

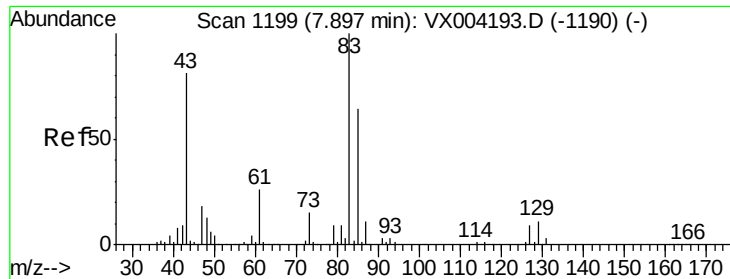
Tot Ion: 63 Resp: 201914  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 24.3 36.5



#46  
 Dibromomethane  
 Concen: 48.06 ug/l  
 RT: 7.67 min Scan# 1161  
 Delta R.T. 0.01 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion: 93 Resp: 127198  
 Ion Ratio Lower Upper  
 93 100  
 95 84.2 65.5 98.3  
 174 121.1 94.2 141.4





#47

Bromodichloromethane

Concen: 49.71 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

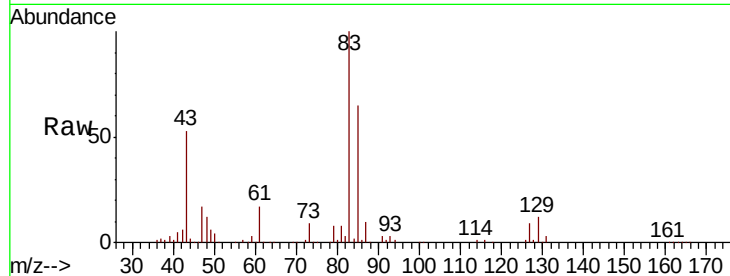
Tot Ion: 83 Resp: 244814

Ion Ratio Lower Upper

83 100

85 65.1 50.9 76.3

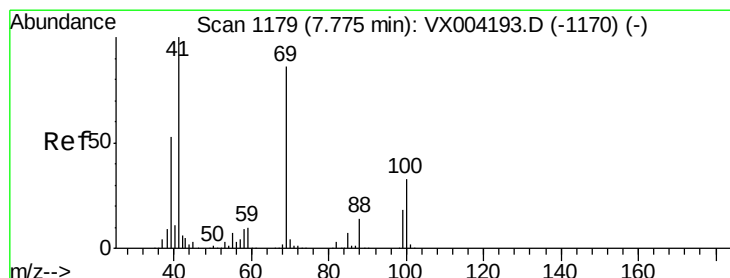
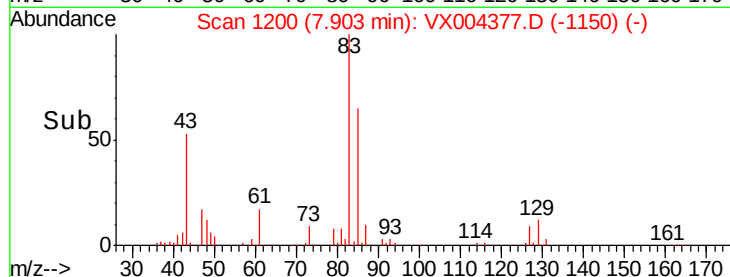
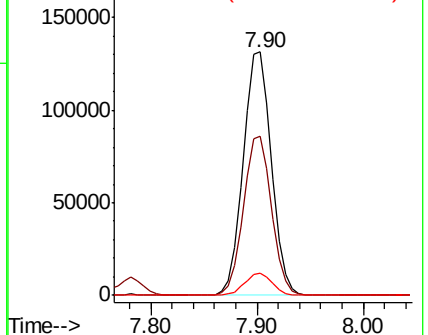
127 9.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.35 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

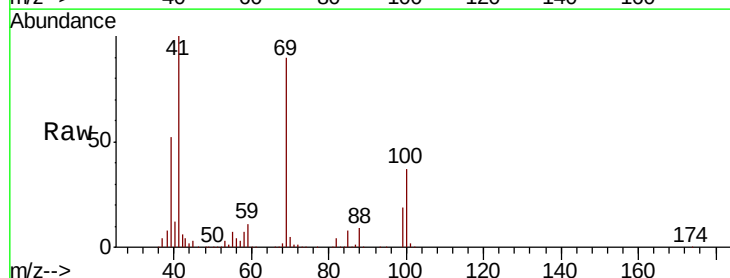
Tgt Ion: 41 Resp: 225002

Ion Ratio Lower Upper

41 100

69 89.4 70.2 105.4

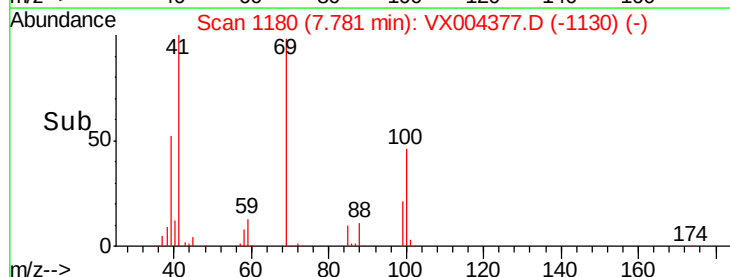
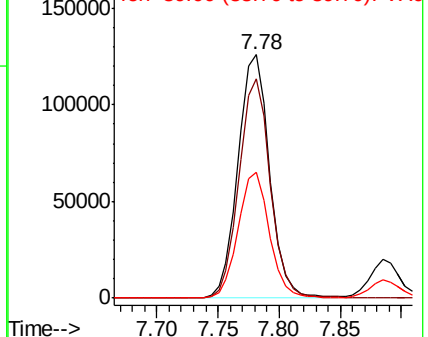
39 51.2 42.7 64.1

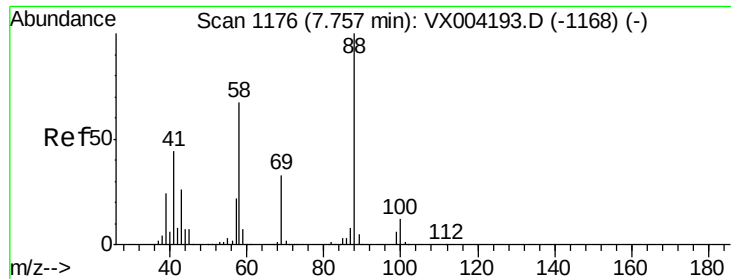


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1042.07 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

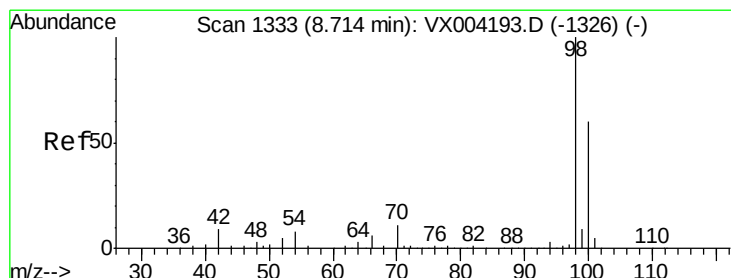
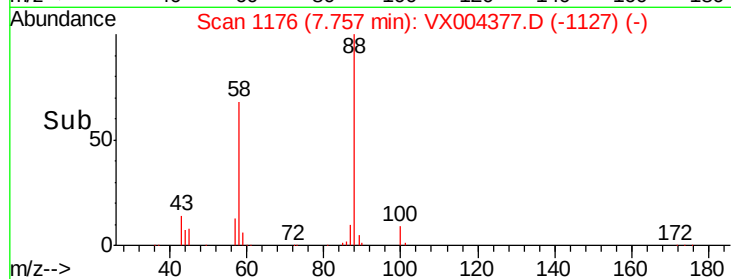
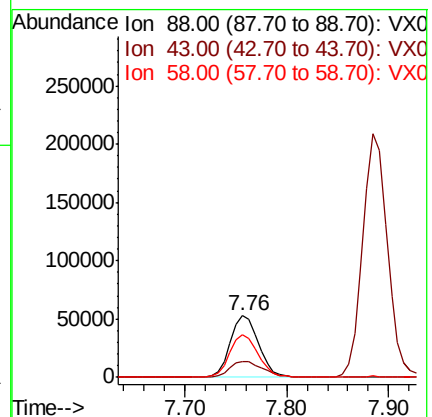
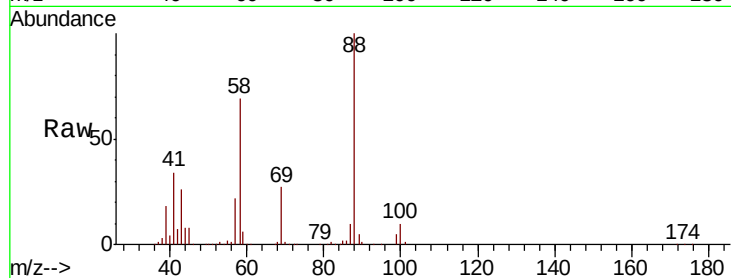
Tot Ion: 88 Resp: 101693

Ion Ratio Lower Upper

88 100

43 30.0 24.7 37.1

58 69.9 55.3 82.9



#50

Toluene-d8

Concen: 48.19 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004377.D

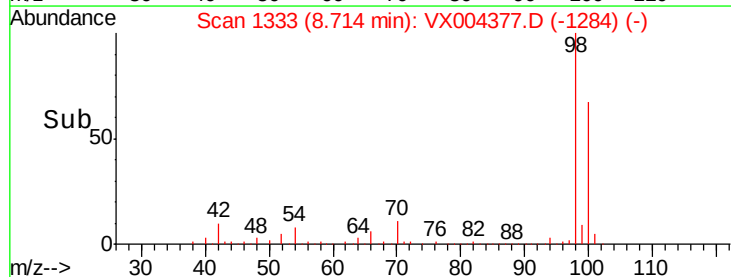
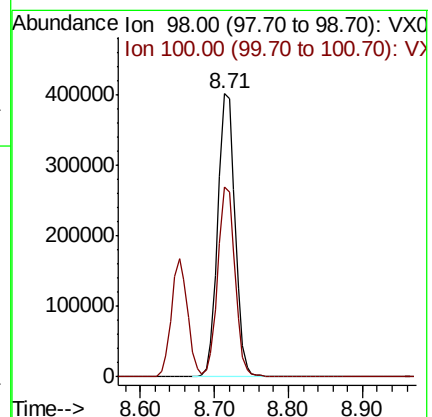
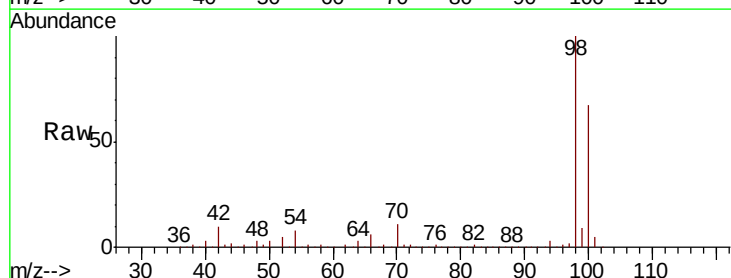
Acq: 05 Sep 2018 18:28

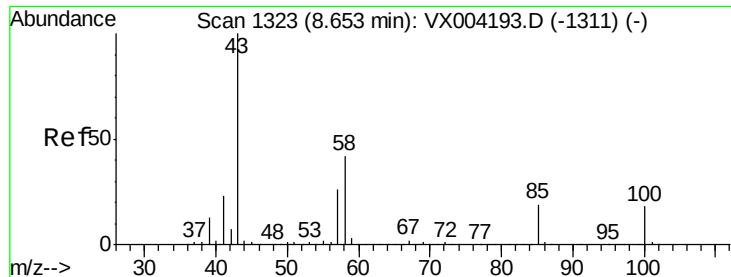
Tgt Ion: 98 Resp: 639755

Ion Ratio Lower Upper

98 100

100 66.9 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 246.18 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

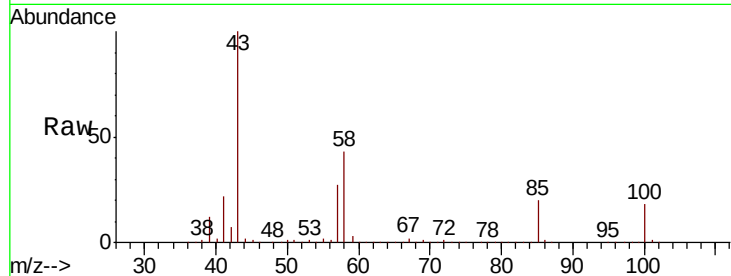
VSTDCCC050EC

Tot Ion: 43 Resp: 1436810

Ion Ratio Lower Upper

43 100

58 42.1 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

1000000

800000

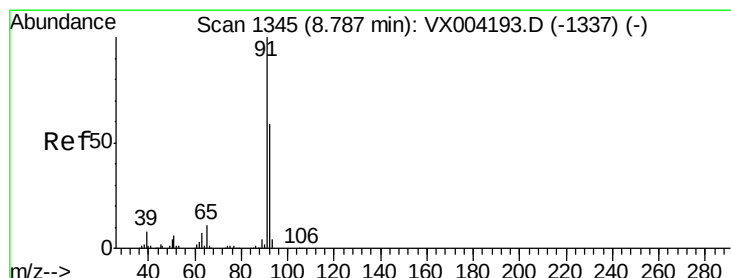
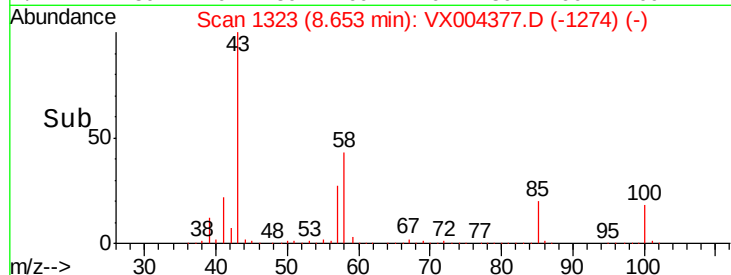
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.85 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004377.D

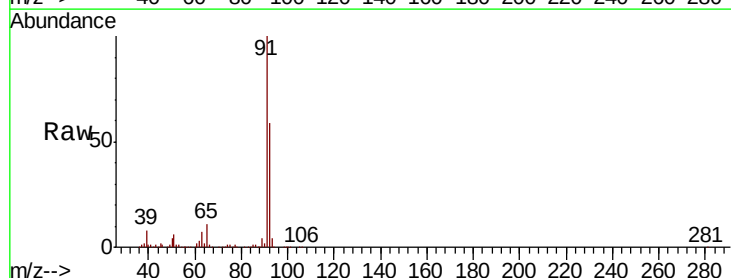
Acq: 05 Sep 2018 18:28

Tgt Ion: 92 Resp: 495599

Ion Ratio Lower Upper

92 100

91 169.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

600000

500000

400000

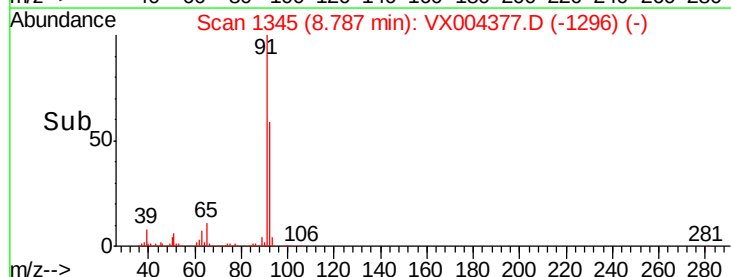
300000

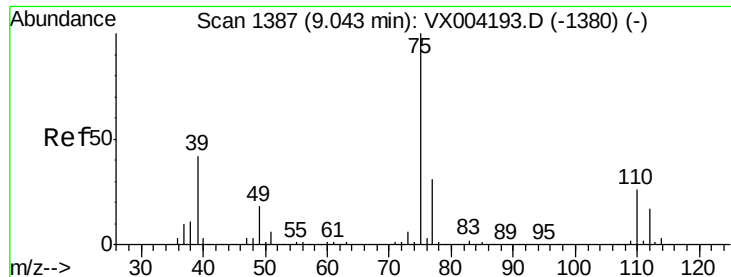
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.50 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

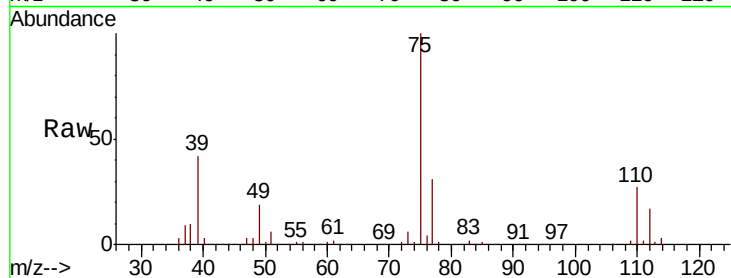
VSTDCCC050EC

Tot Ion: 75 Resp: 280145

Ion Ratio Lower Upper

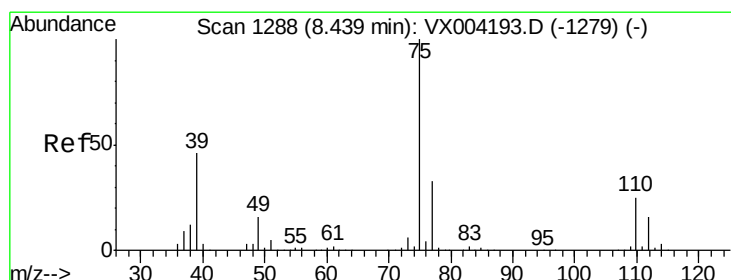
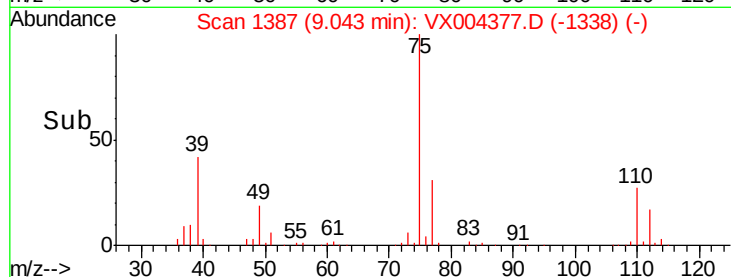
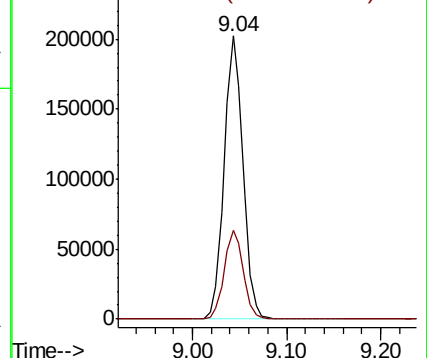
75 100

77 31.3 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 52.34 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

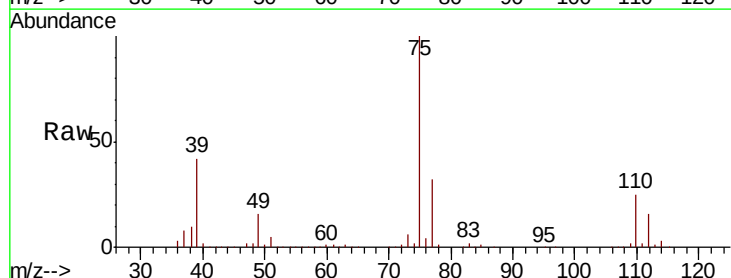
Tgt Ion: 75 Resp: 310138

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

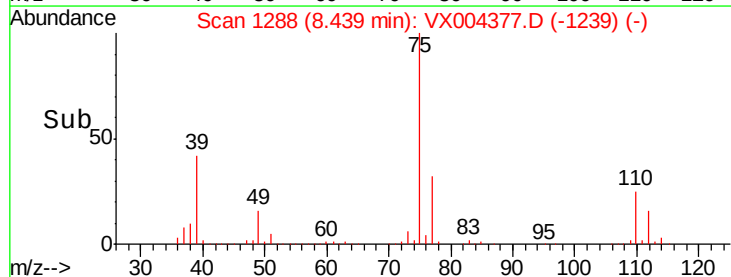
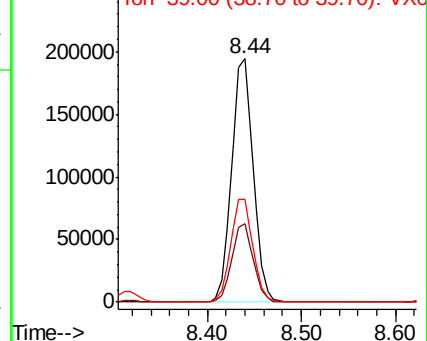
39 41.9 36.4 54.6

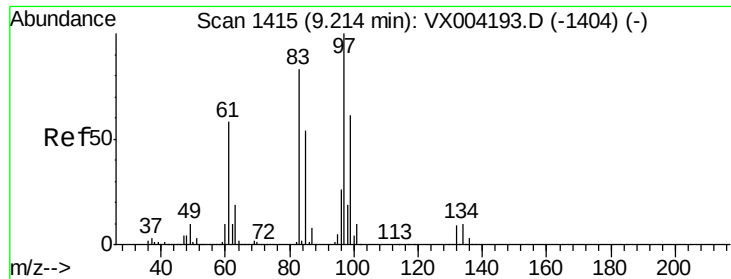


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

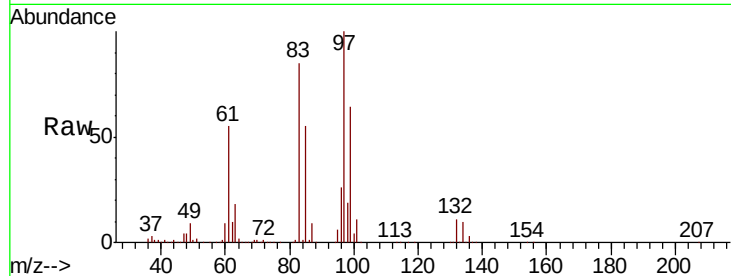




#55  
 1,1,2-Trichloroethane  
 Concen: 50.78 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.01 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 203793 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 84.6  | 66.4  | 99.6   |
| 85       | 54.8  | 43.3  | 64.9   |
| 99       | 64.2  | 49.0  | 73.4   |



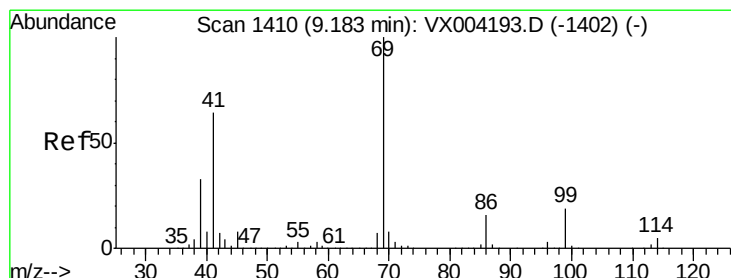
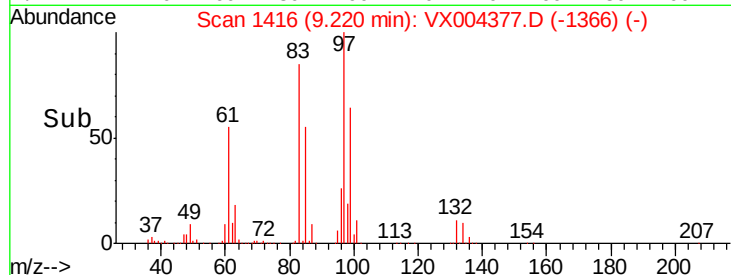
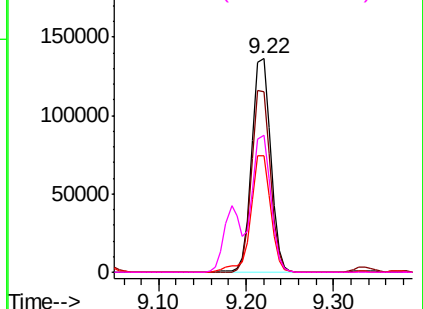
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

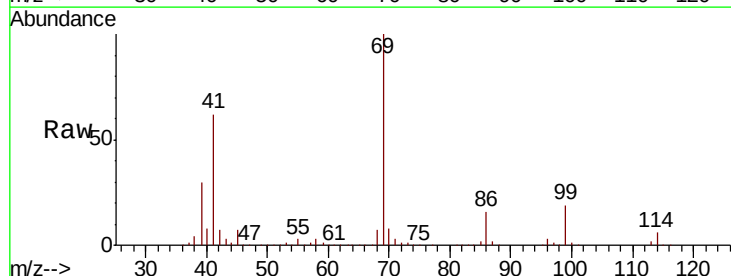
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56  
 Ethyl methacrylate  
 Concen: 55.87 ug/l  
 RT: 9.18 min Scan# 1410  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 305247 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 62.0  | 51.0  | 76.4   |
| 39       | 30.2  | 26.1  | 39.1   |

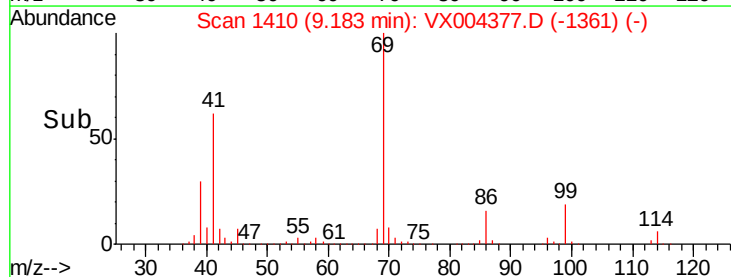
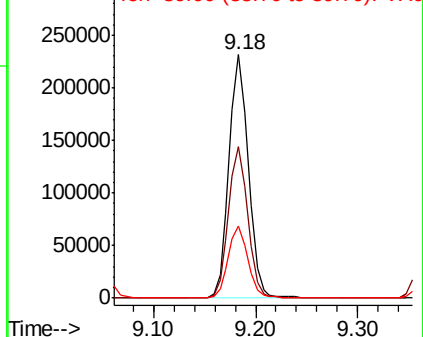


Abundance

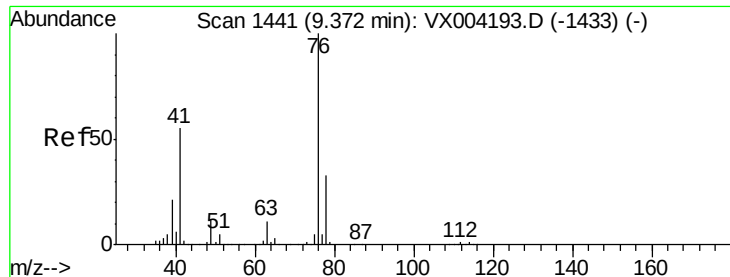
Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



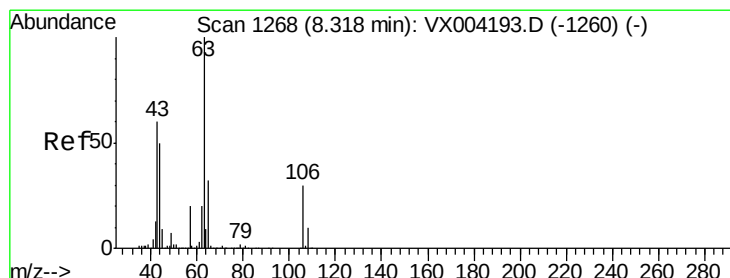
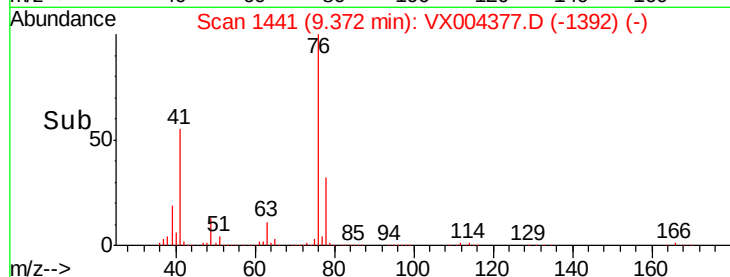
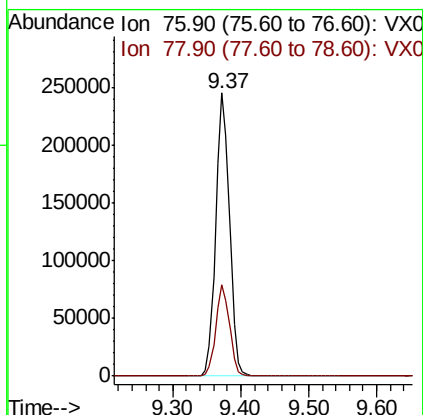
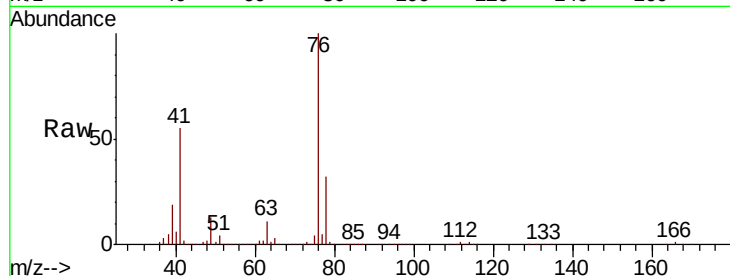




#57  
 1,3-Dichloropropane  
 Concen: 50.69 ug/l  
 RT: 9.37 min Scan# 1441  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

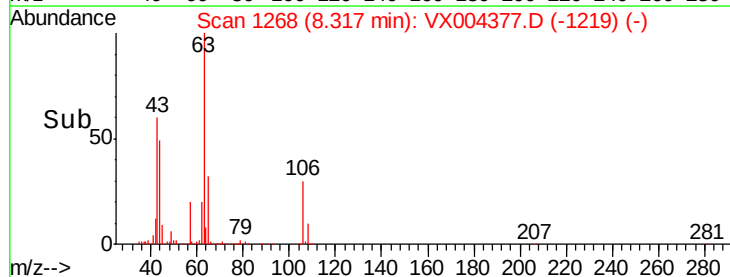
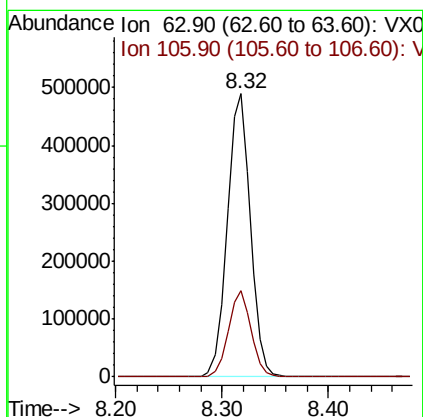
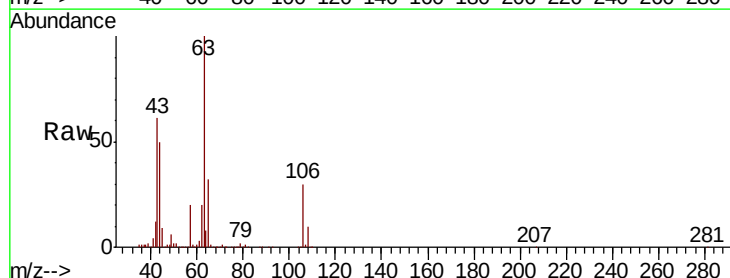
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

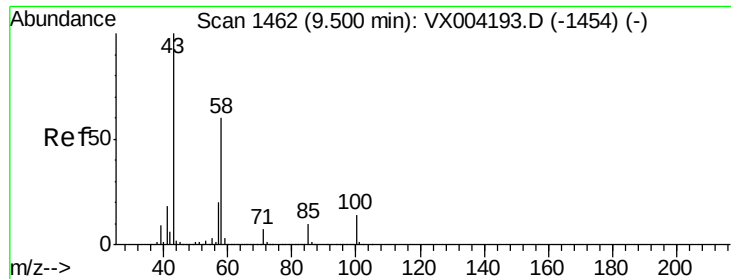
Tot Ion: 76 Resp: 342902  
 Ion Ratio Lower Upper  
 76 100  
 78 32.1 25.5 38.3



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 265.29 ug/l  
 RT: 8.32 min Scan# 1268  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion: 63 Resp: 742647  
 Ion Ratio Lower Upper  
 63 100  
 106 29.8 23.9 35.9

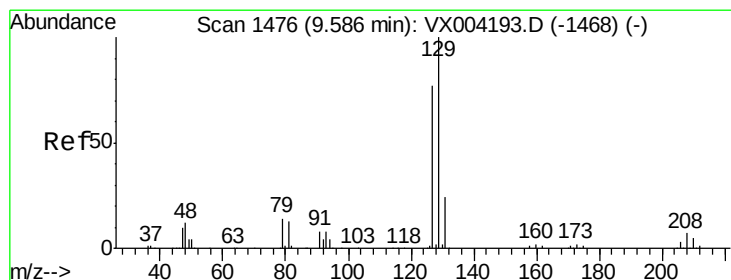
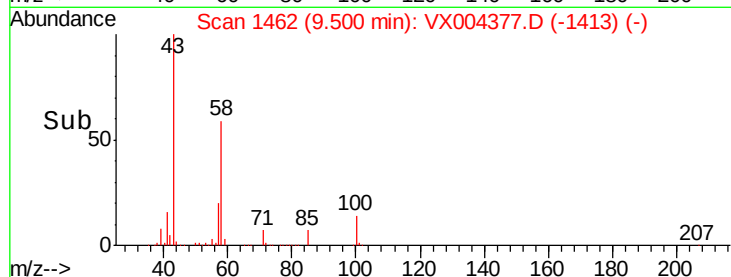
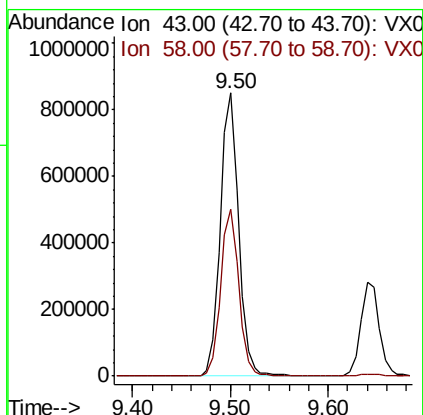
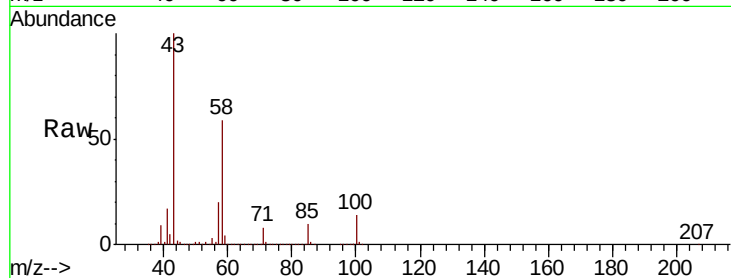




#59  
2-Hexanone  
Concen: 248.15 ug/l  
RT: 9.50 min Scan# 1462  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

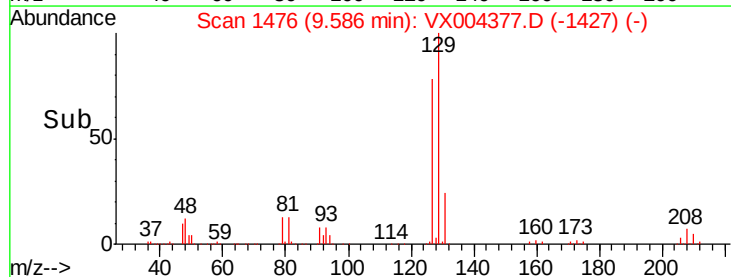
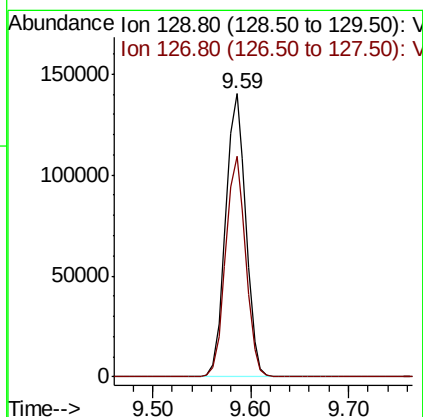
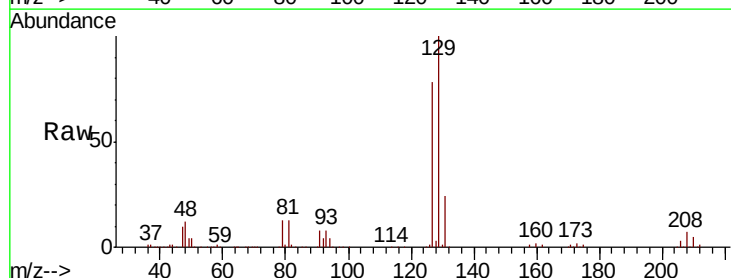
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

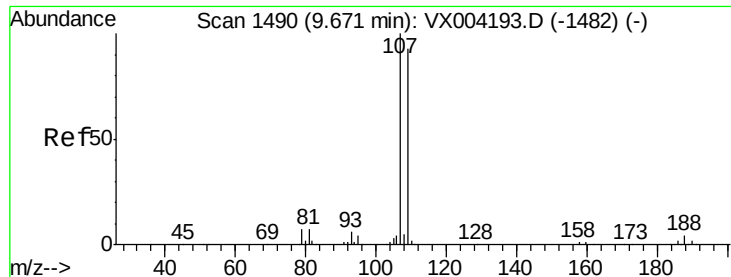
Tot Ion: 43 Resp: 1104934  
Ion Ratio Lower Upper  
43 100  
58 58.9 29.0 87.0



#60  
Dibromochloromethane  
Concen: 51.37 ug/l  
RT: 9.59 min Scan# 1476  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Tgt Ion: 129 Resp: 200862  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.12 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

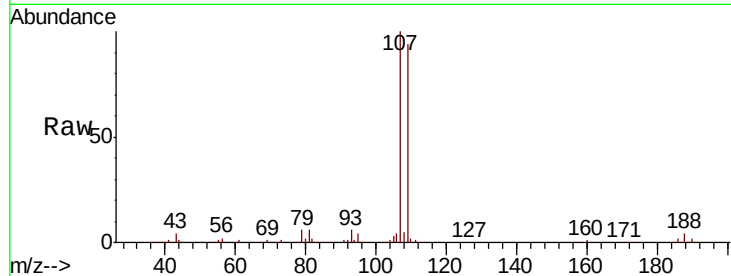
VSTDCCC050EC

Tot Ion:107 Resp: 208152

Ion Ratio Lower Upper

107 100

109 93.9 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

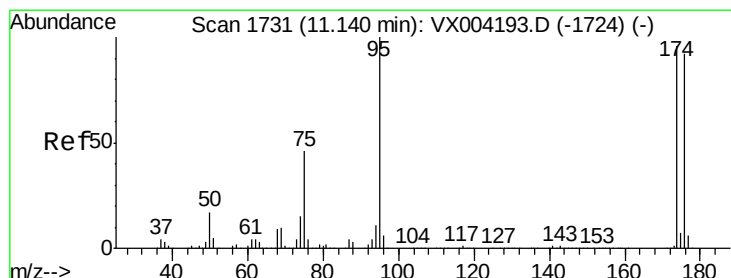
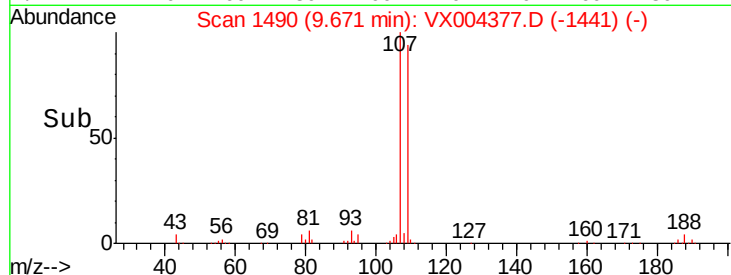
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 49.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

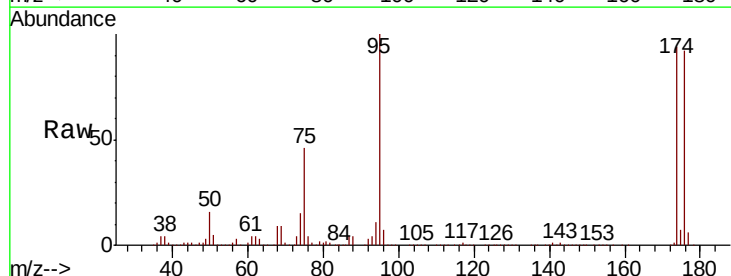
Tgt Ion: 95 Resp: 246943

Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.2

176 89.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

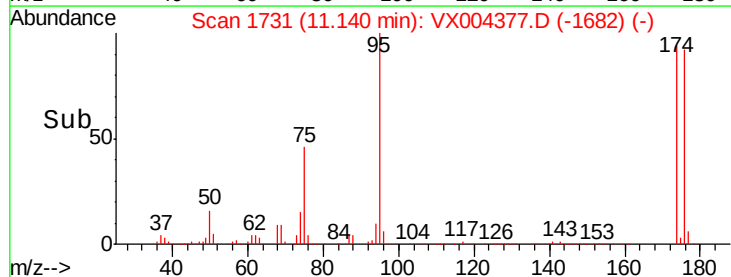
100000

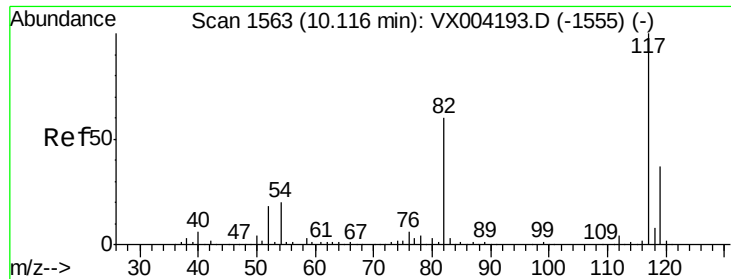
50000

0

11.10 11.20

Time-->

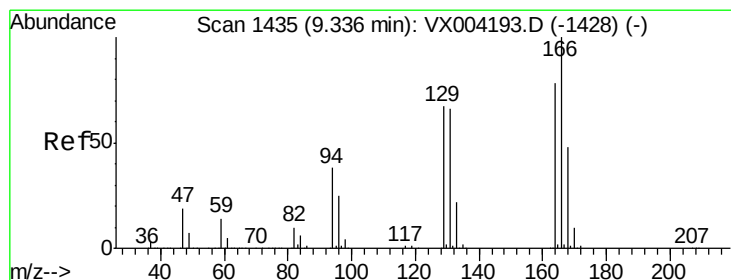
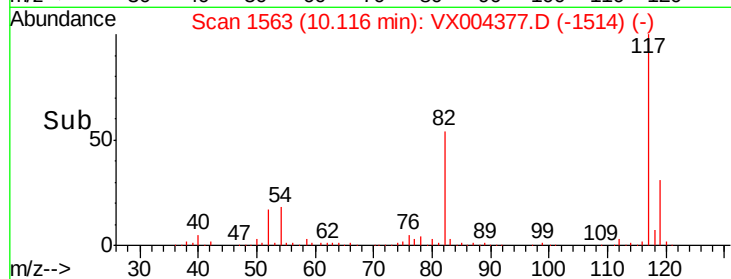
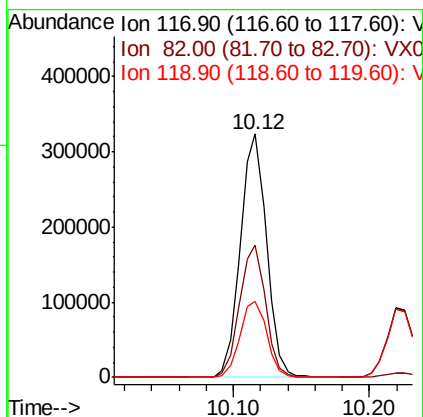
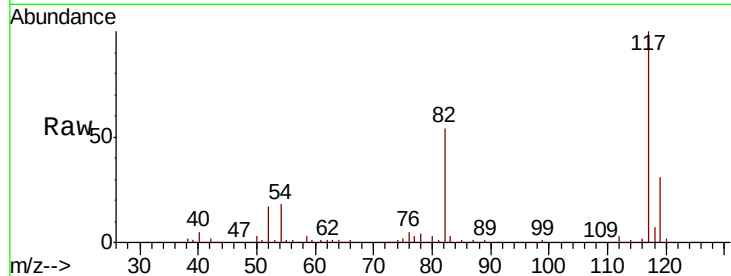




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

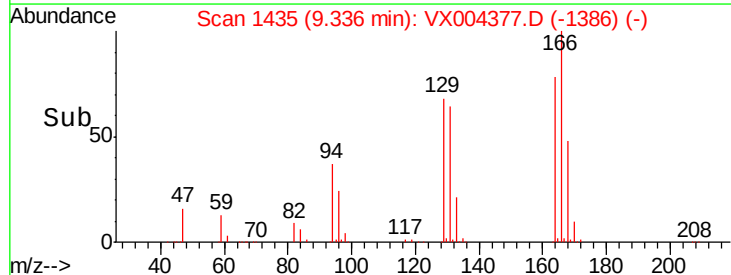
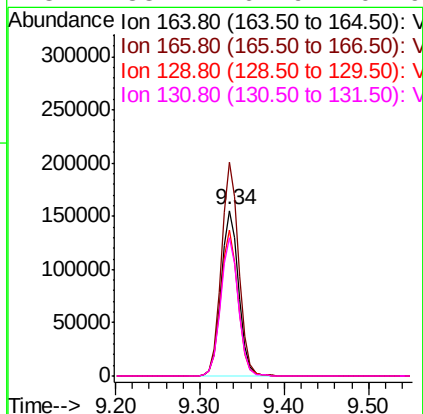
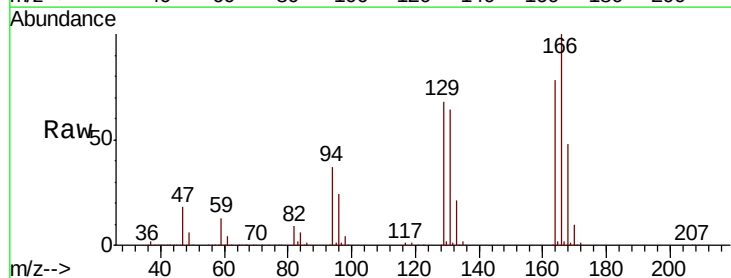
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

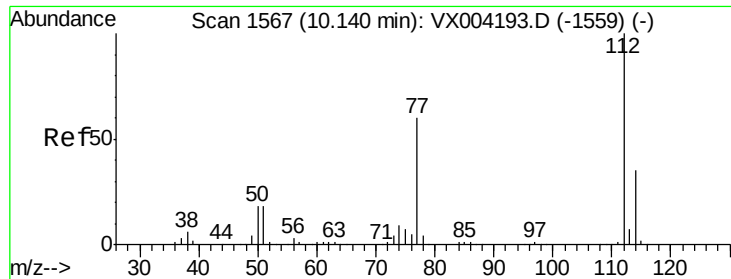
Tot Ion:117 Resp: 434163  
Ion Ratio Lower Upper  
117 100  
82 54.4 47.8 71.6  
119 31.0 29.3 43.9



#64  
Tetrachloroethene  
Concen: 52.21 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Tgt Ion:164 Resp: 223907  
Ion Ratio Lower Upper  
164 100  
166 128.9 102.8 154.2  
129 87.7 69.4 104.0  
131 83.1 67.9 101.9

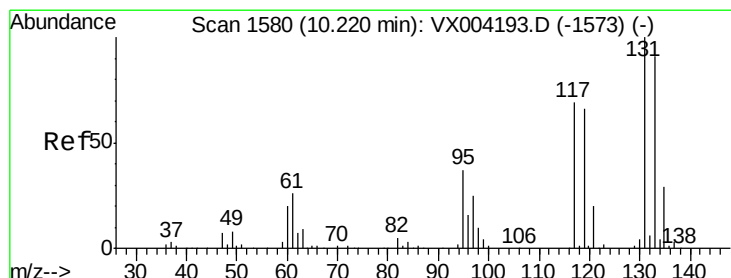
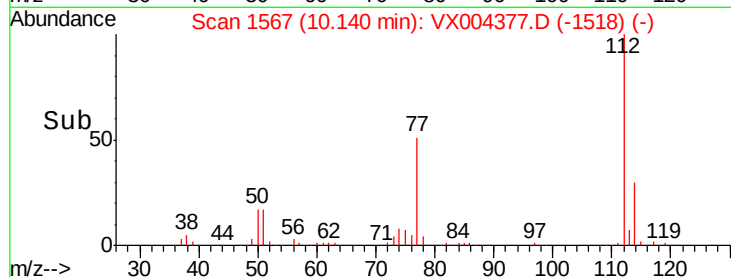
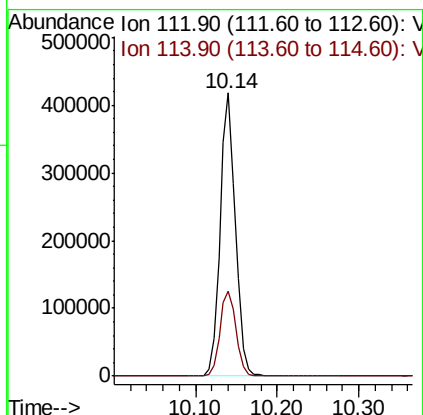
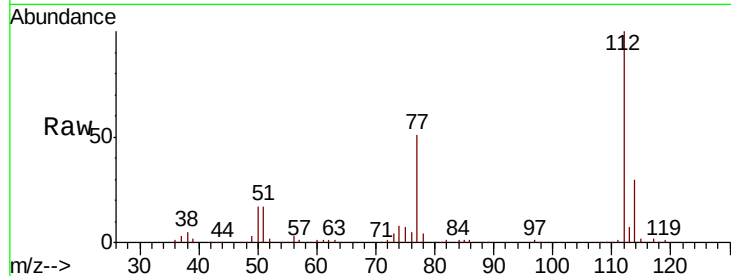




#65  
Chlorobenzene  
Concen: 50.24 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

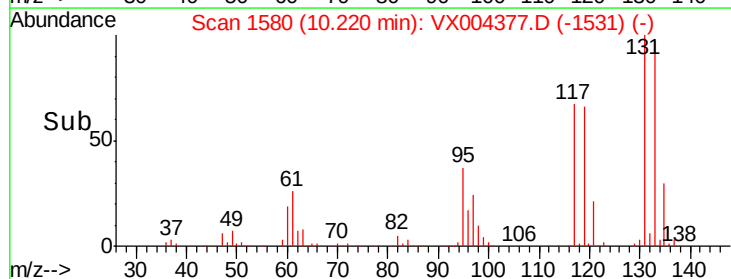
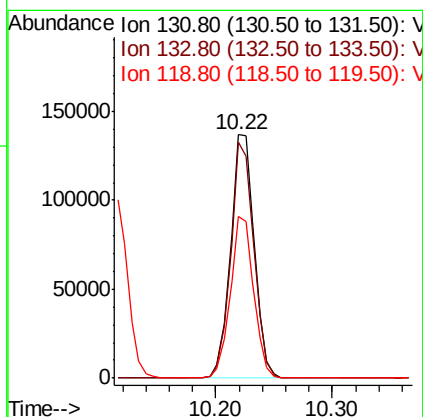
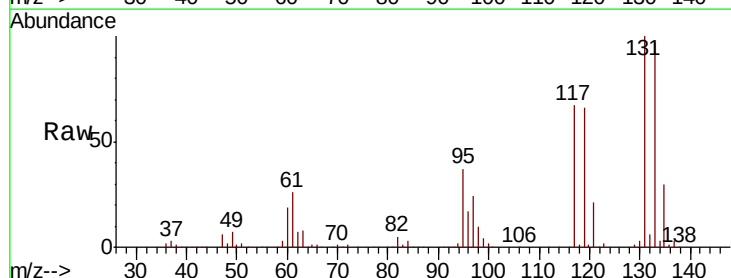
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

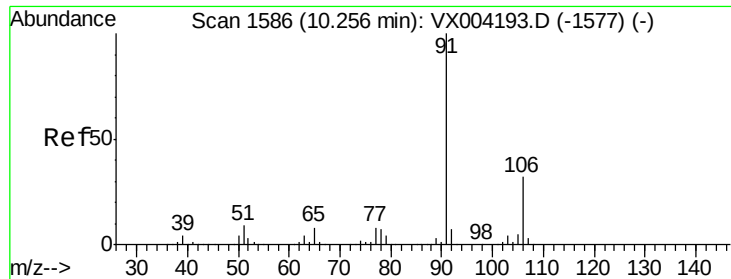
Tot Ion:112 Resp: 547450  
Ion Ratio Lower Upper  
112 100  
114 30.1 27.8 41.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.48 ug/l  
RT: 10.22 min Scan# 1580  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Tgt Ion:131 Resp: 193463  
Ion Ratio Lower Upper  
131 100  
133 94.3 48.1 144.4  
119 65.1 32.9 98.6





#67

Ethyl Benzene

Concen: 51.04 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

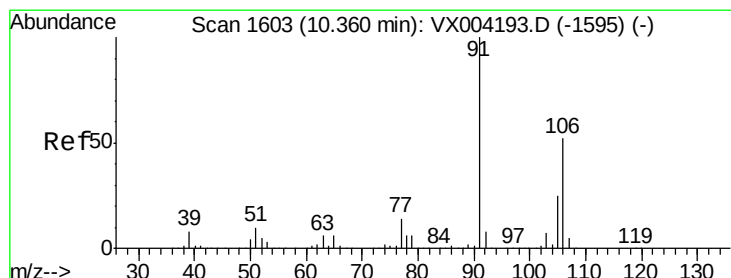
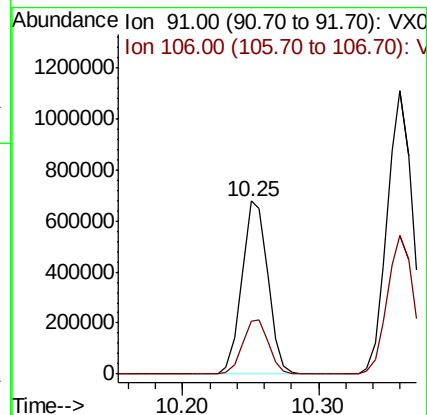
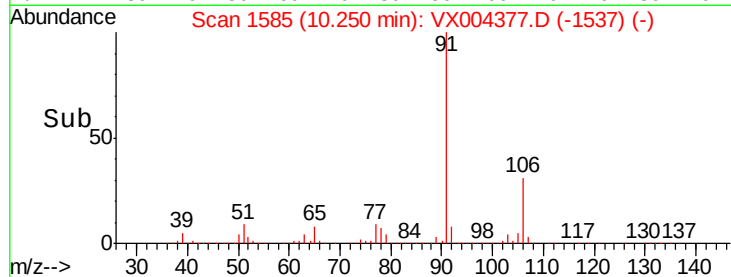
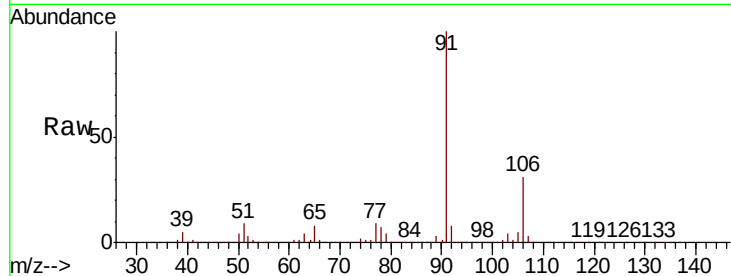
VSTDCCC050EC

Tot Ion: 91 Resp: 903220

Ion Ratio Lower Upper

91 100

106 30.5 25.9 38.9



#68

m/p-Xylenes

Concen: 105.58 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004377.D

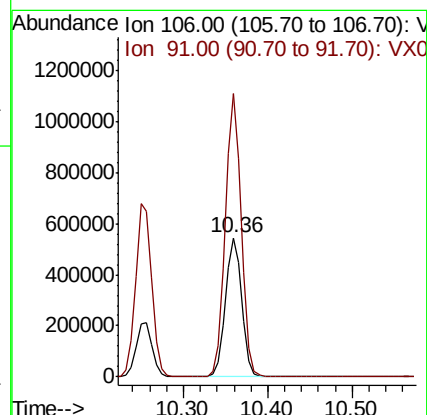
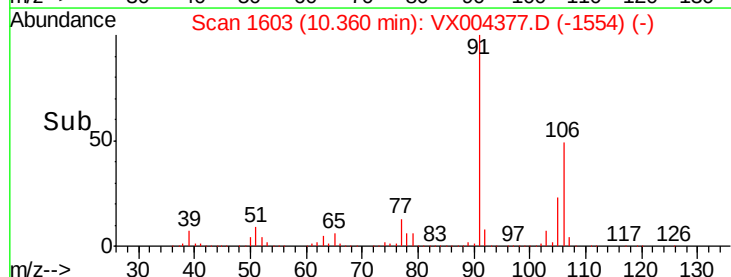
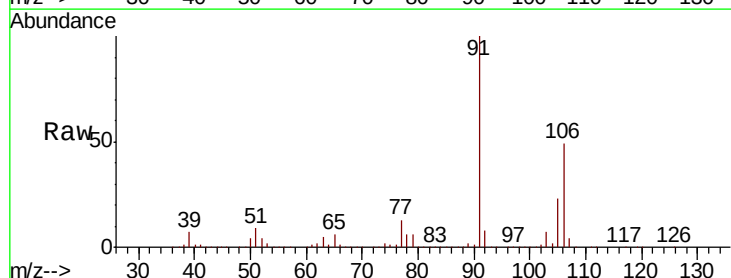
Acq: 05 Sep 2018 18:28

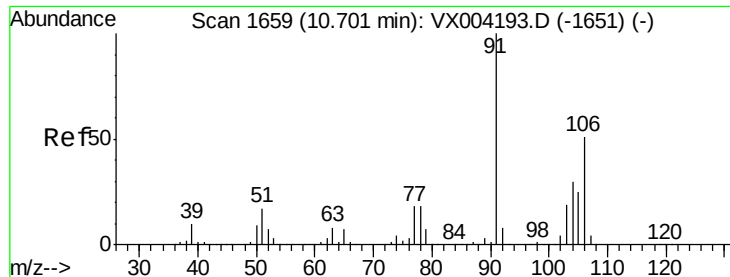
Tgt Ion: 106 Resp: 730562

Ion Ratio Lower Upper

106 100

91 198.7 157.1 235.7

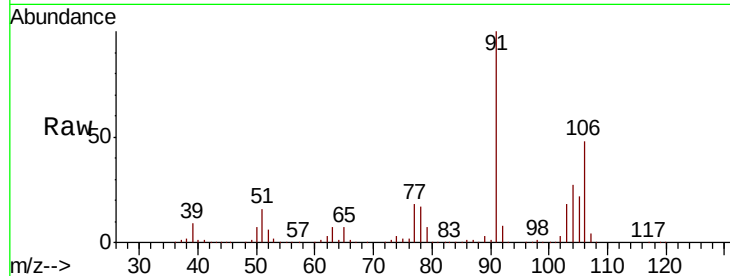




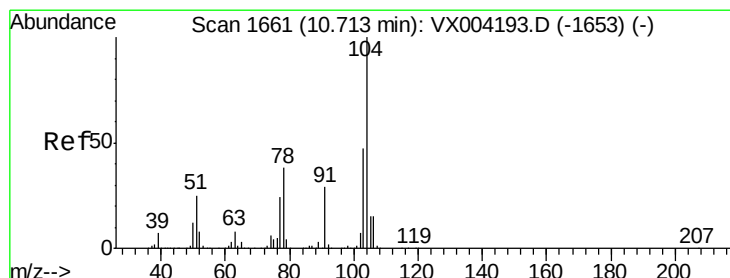
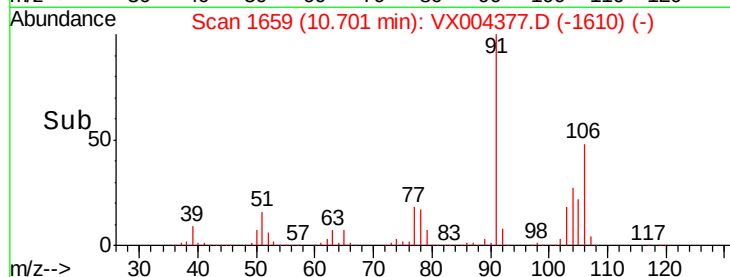
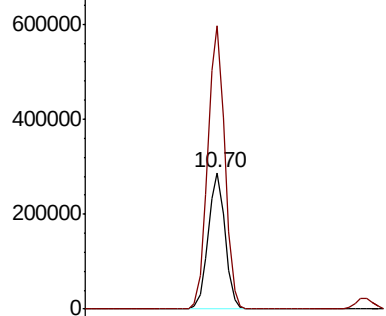
#69  
o-Xylene  
Concen: 54.63 ug/l  
RT: 10.70 min Scan# 1659  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 357562  
Ion Ratio Lower Upper  
106 100  
91 209.2 105.1 315.1

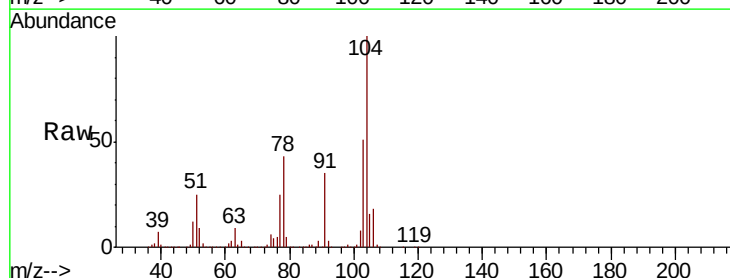


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0

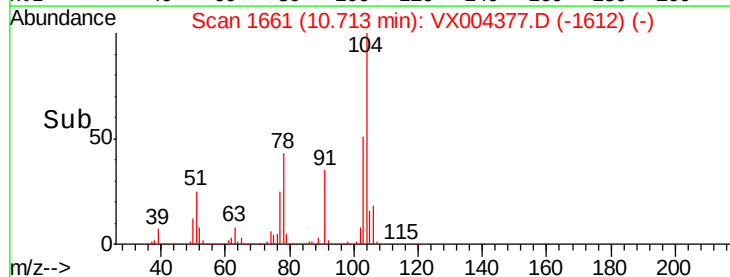
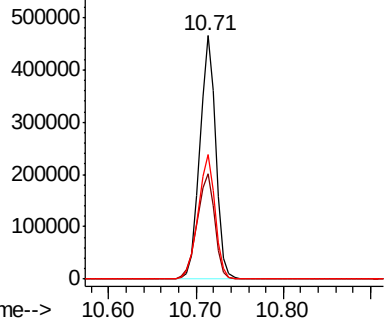


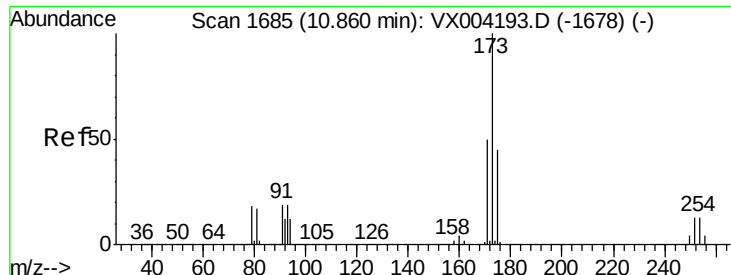
#70  
Styrene  
Concen: 55.51 ug/l  
RT: 10.71 min Scan# 1661  
Delta R.T. -0.00 min  
Lab File: VX004377.D  
Acq: 05 Sep 2018 18:28

Tgt Ion:104 Resp: 588240  
Ion Ratio Lower Upper  
104 100  
78 47.8 37.4 56.0  
103 54.8 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VX0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.07 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

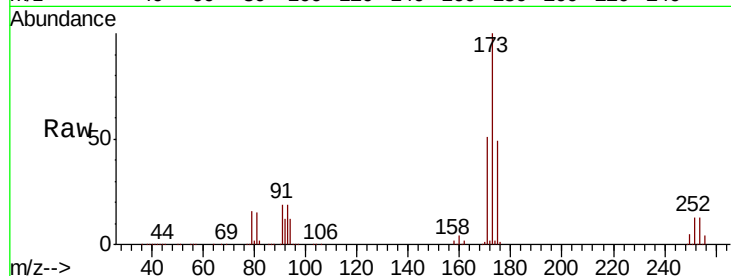
Tot Ion:173 Resp: 154703

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.3

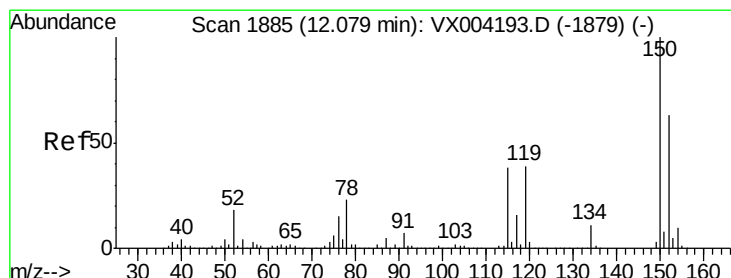
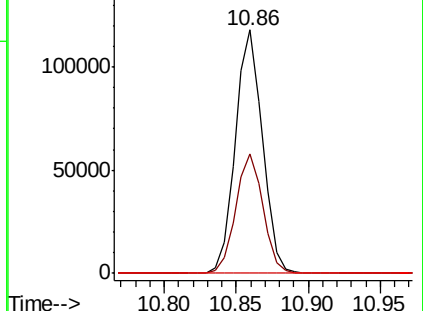
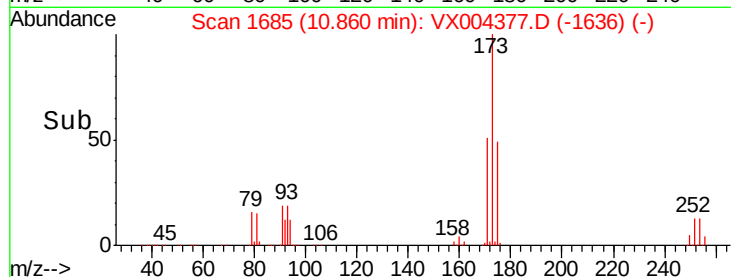
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

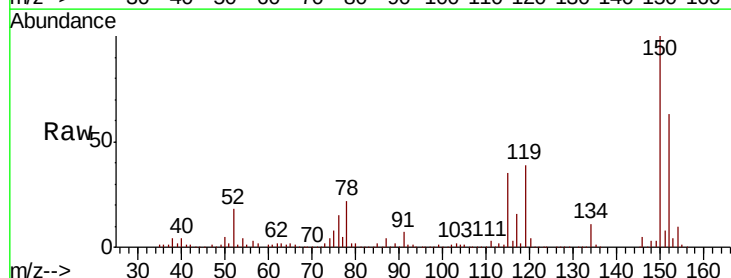
Tgt Ion:152 Resp: 269324

Ion Ratio Lower Upper

152 100

115 76.0 39.0 117.0

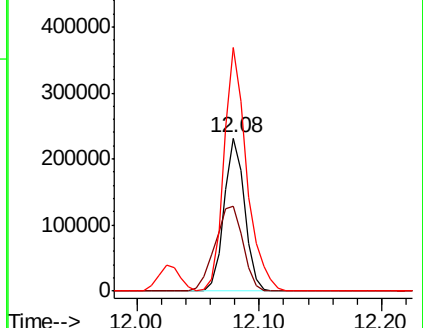
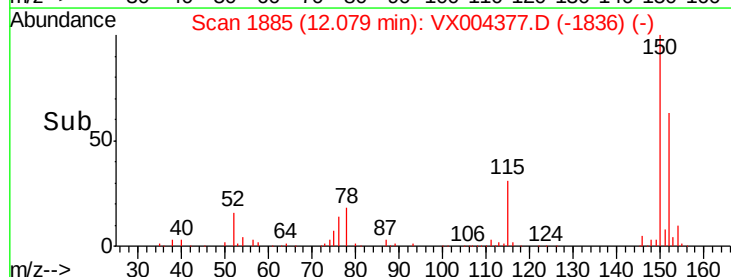
150 175.1 0.0 351.0



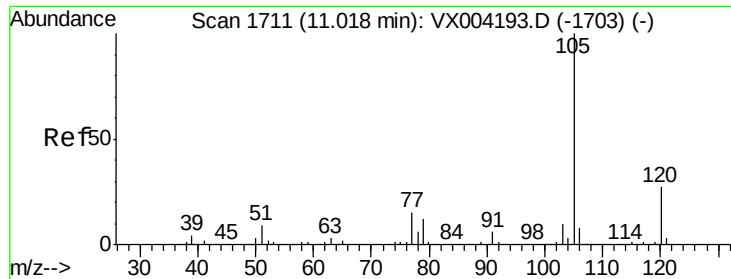
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 54.55 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

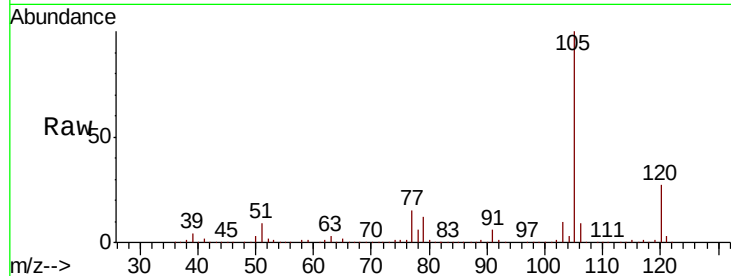
VSTDCCC050EC

Tot Ion:105 Resp: 964932

Ion Ratio Lower Upper

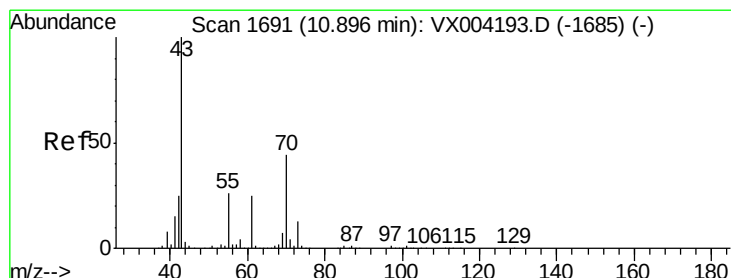
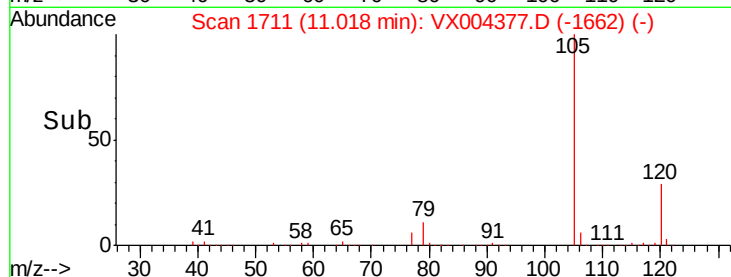
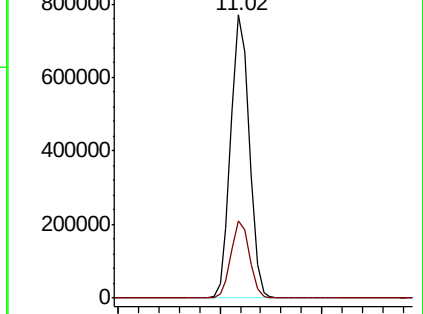
105 100

120 27.1 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: 54.48 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Tgt Ion: 43 Resp: 371024

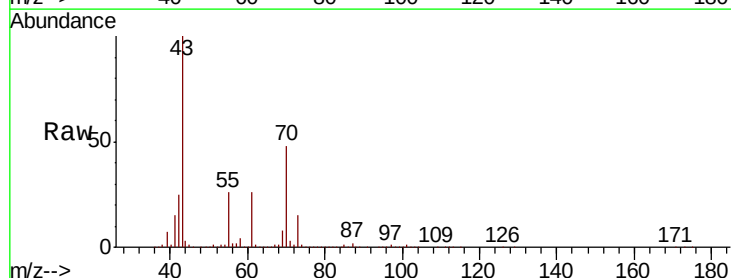
Ion Ratio Lower Upper

43 100

70 47.2 37.4 56.0

55 26.7 21.8 32.8

61 26.1 20.6 30.8

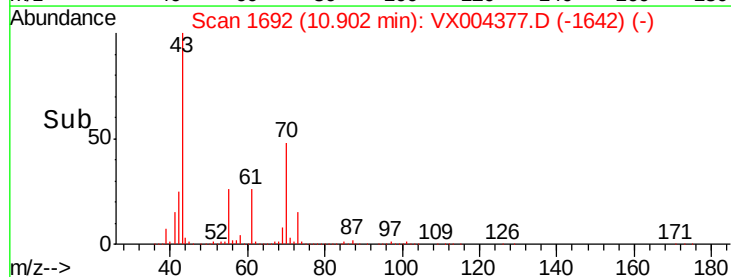
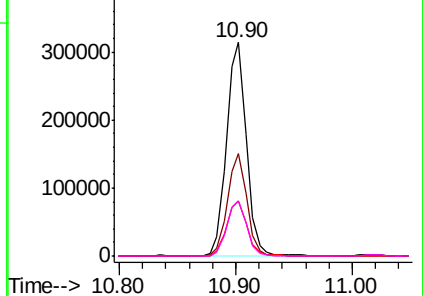


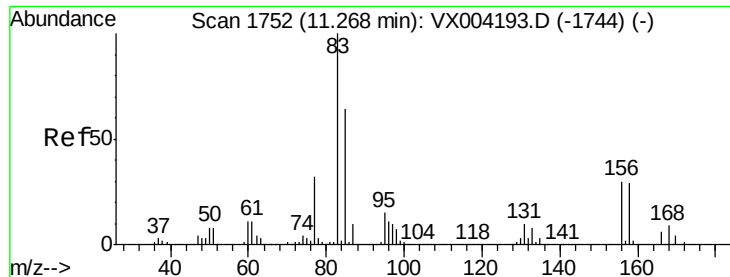
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.80 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

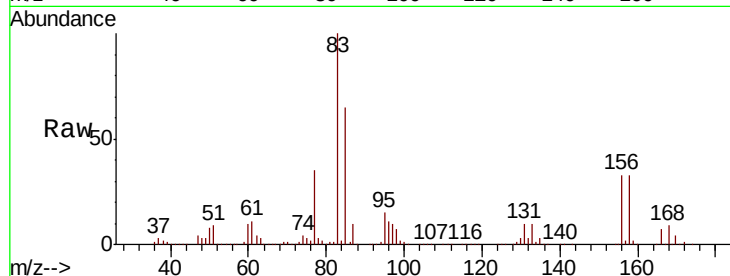
Tot Ion: 83 Resp: 308266

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

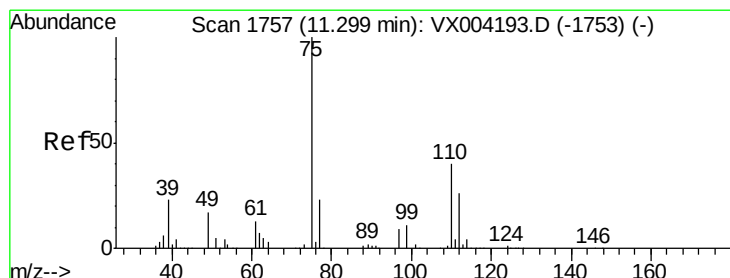
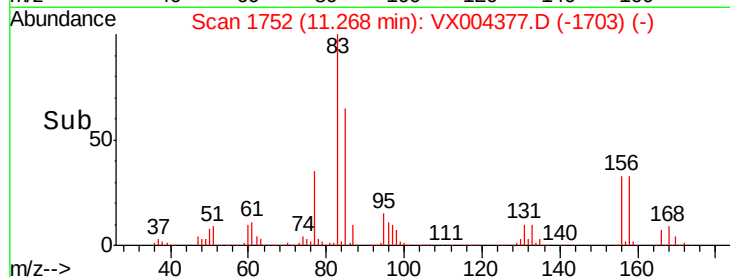
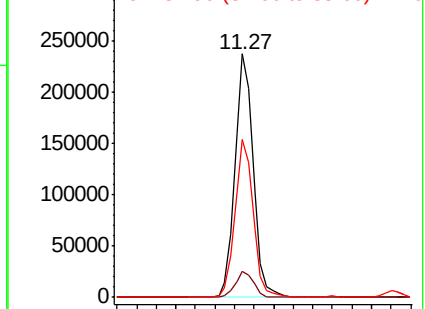
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.66 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004377.D

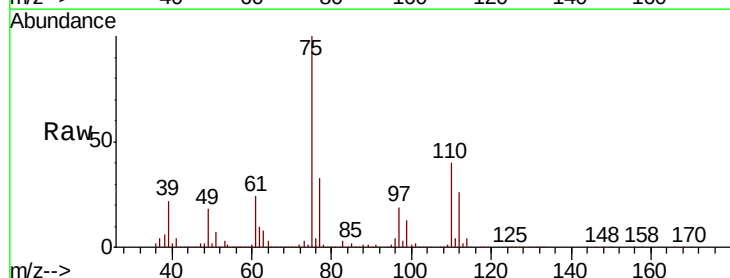
Acq: 05 Sep 2018 18:28

Tgt Ion: 75 Resp: 354177

Ion Ratio Lower Upper

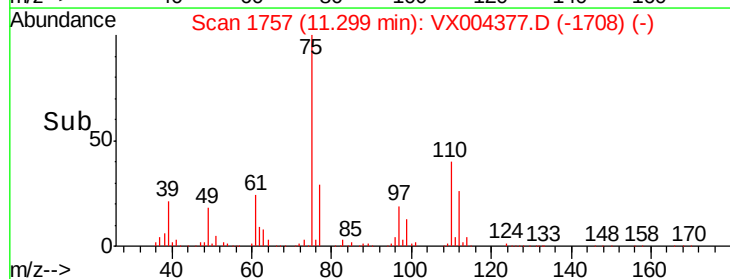
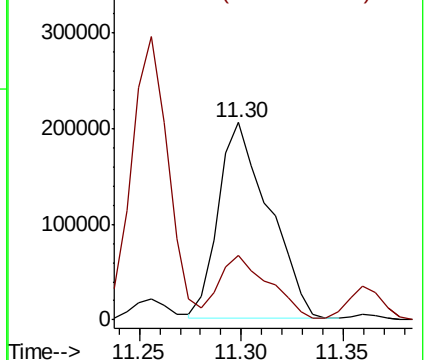
75 100

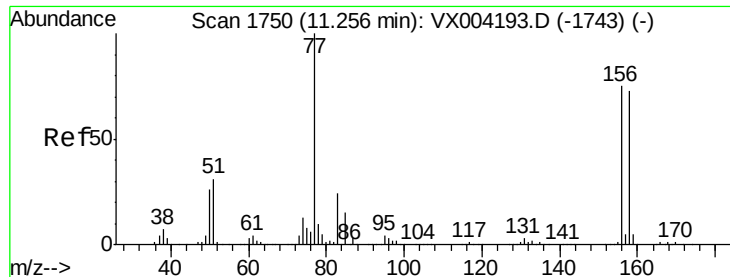
77 32.6 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.99 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

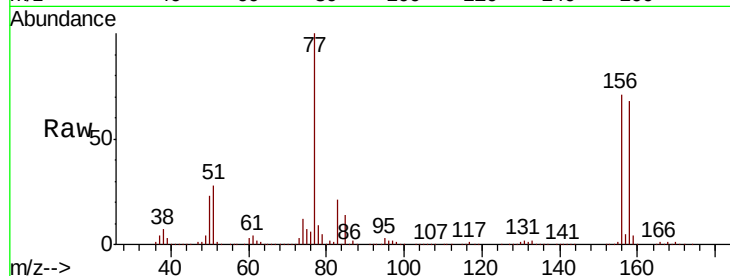
Tot Ion:156 Resp: 257956

Ion Ratio Lower Upper

156 100

77 144.2 71.5 214.3

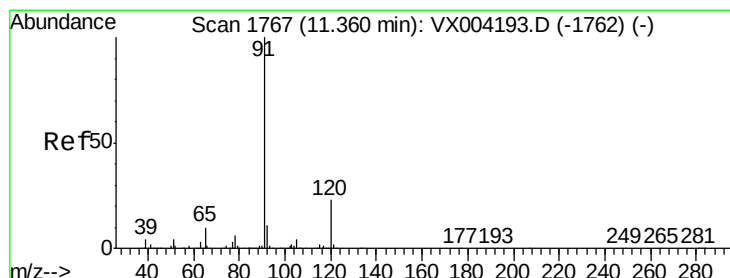
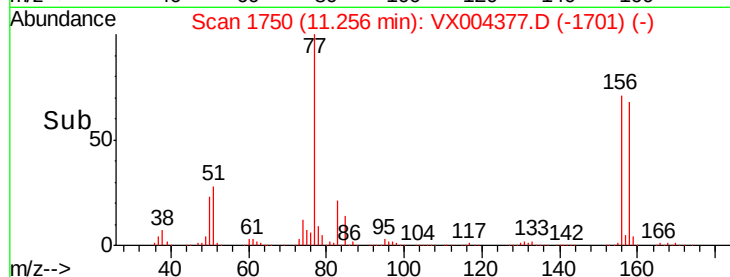
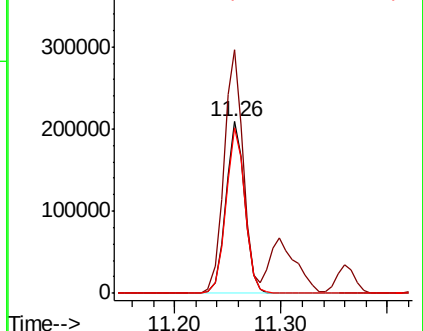
158 97.2 48.9 146.8



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: 54.42 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004377.D

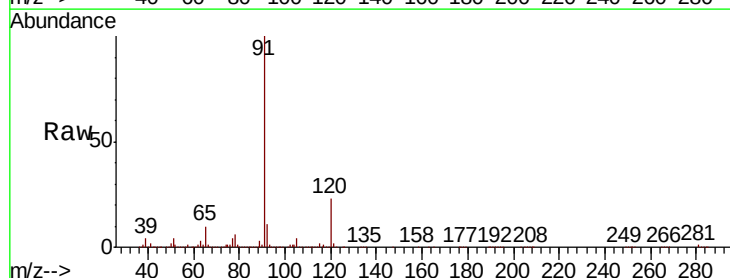
Acq: 05 Sep 2018 18:28

Tgt Ion: 91 Resp: 1107082

Ion Ratio Lower Upper

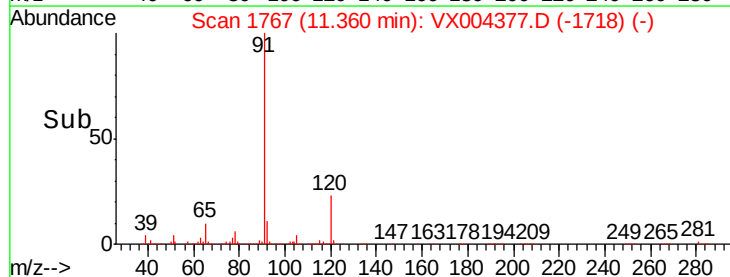
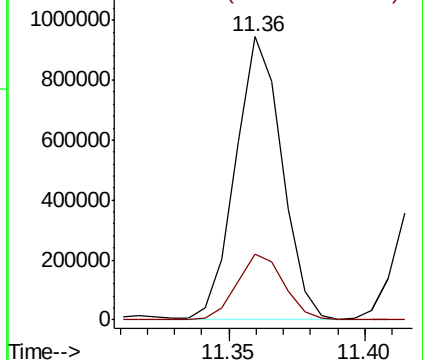
91 100

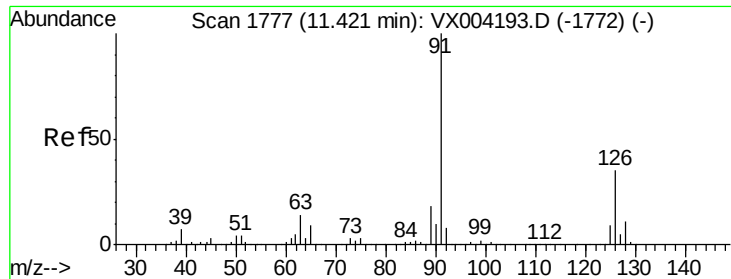
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

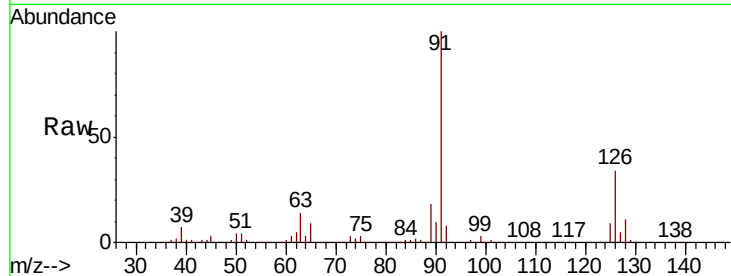




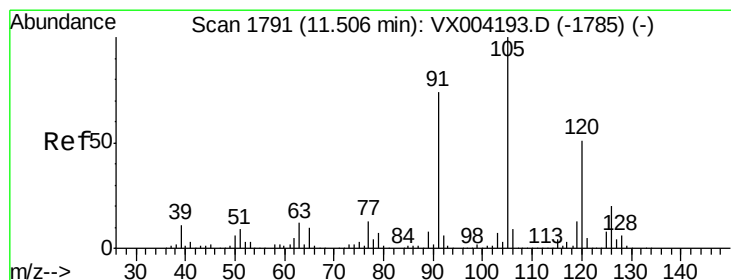
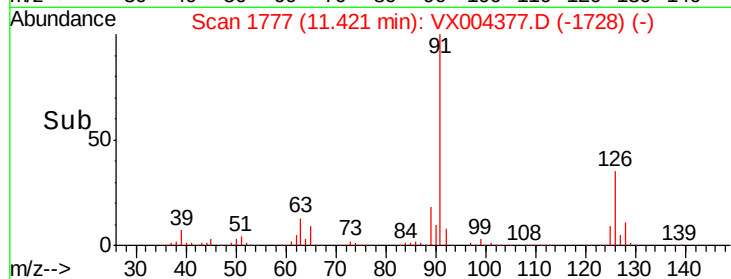
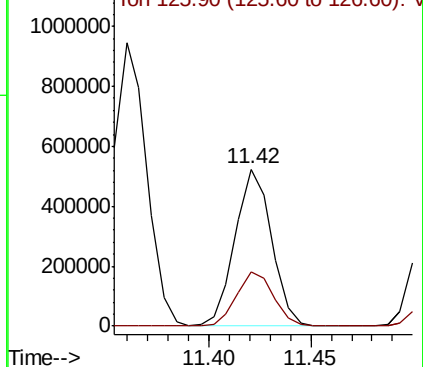
#79  
 2-Chlorotoluene  
 Concen: 51.91 ug/l  
 RT: 11.42 min Scan# 1777  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 91 Resp: 649982  
 Ion Ratio Lower Upper  
 91 100  
 126 35.2 17.9 53.7

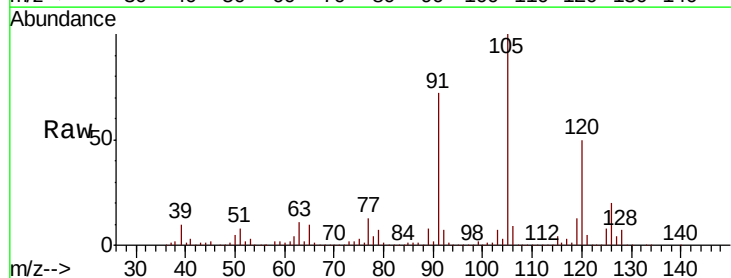


Abundance Ion 91.00 (90.70 to 91.70): VX0  
 Ion 125.90 (125.60 to 126.60): V

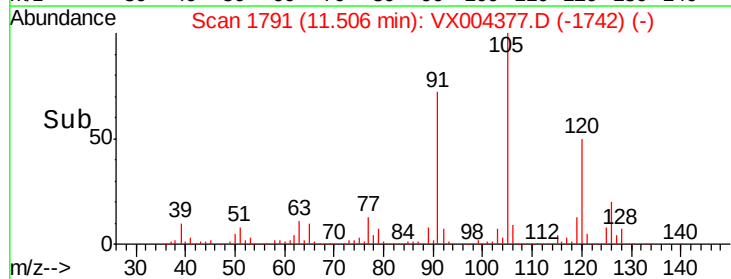
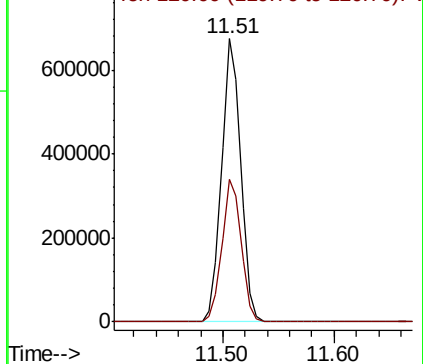


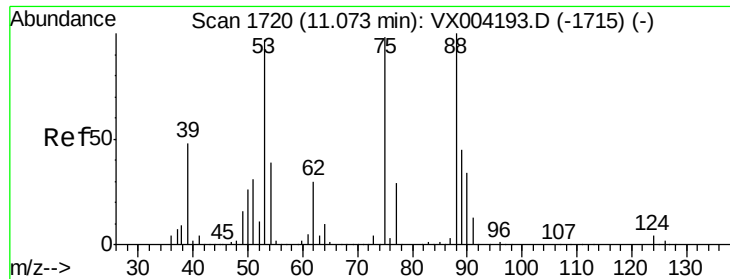
#80  
 1,3,5-Trimethylbenzene  
 Concen: 54.62 ug/l  
 RT: 11.51 min Scan# 1791  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion: 105 Resp: 800118  
 Ion Ratio Lower Upper  
 105 100  
 120 50.9 25.6 76.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 54.13 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

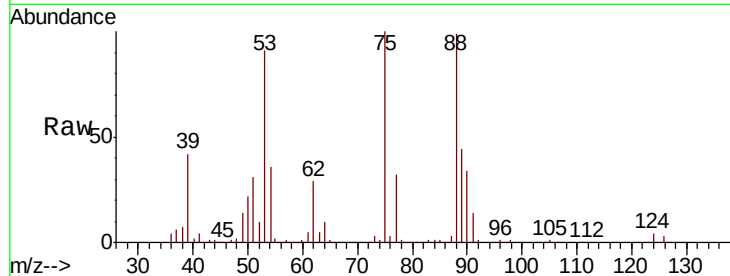
Tot Ion: 75 Resp: 91385

Ion Ratio Lower Upper

75 100

53 92.8 80.1 120.1

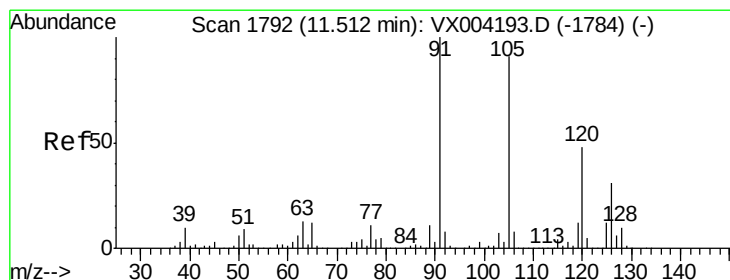
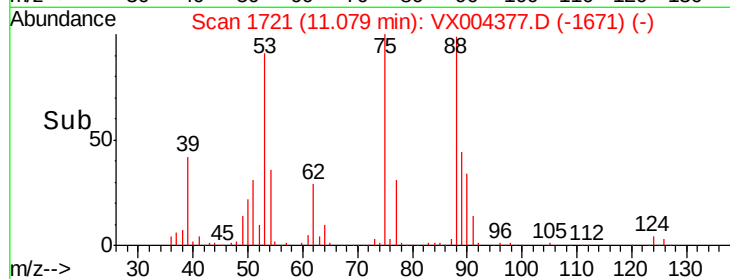
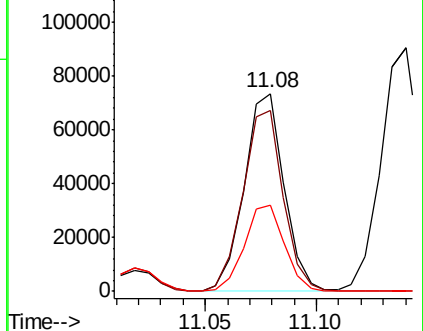
89 44.3 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 51.38 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004377.D

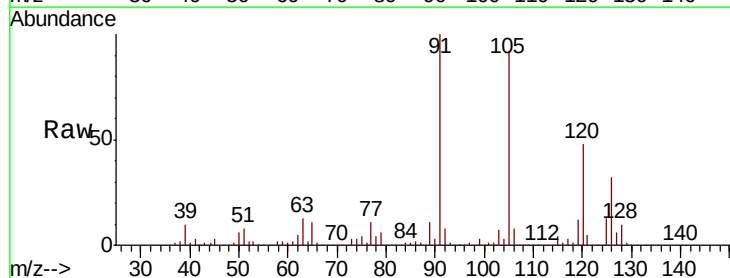
Acq: 05 Sep 2018 18:28

Tgt Ion: 91 Resp: 757086

Ion Ratio Lower Upper

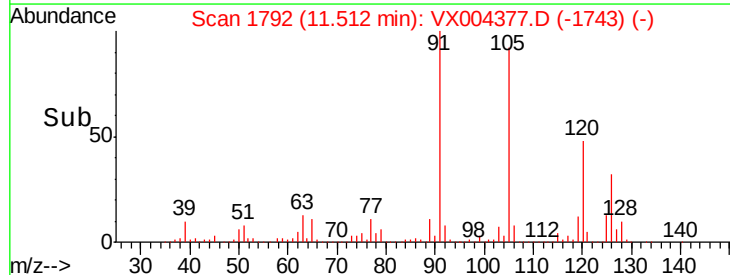
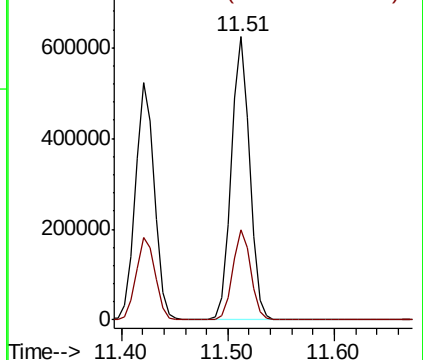
91 100

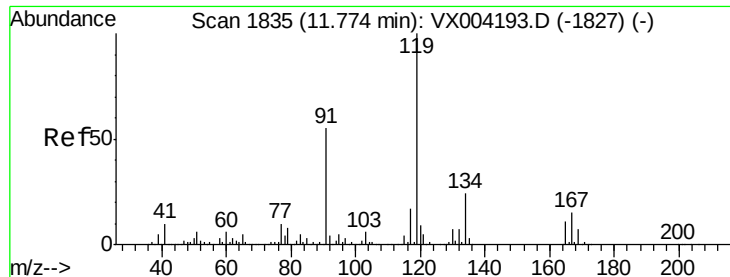
126 31.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

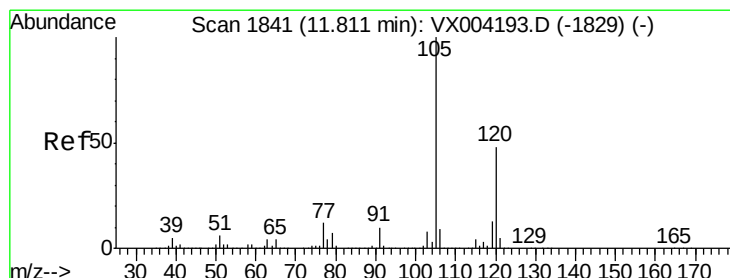
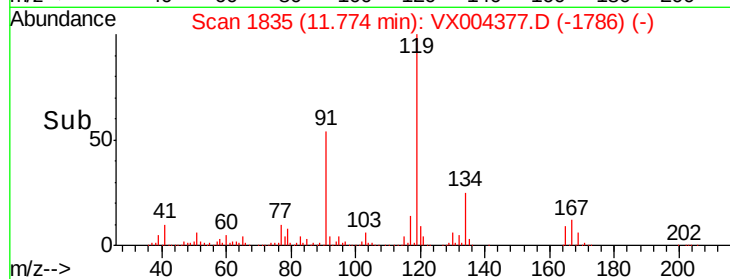
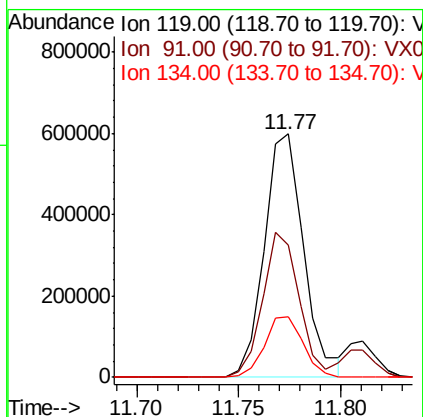
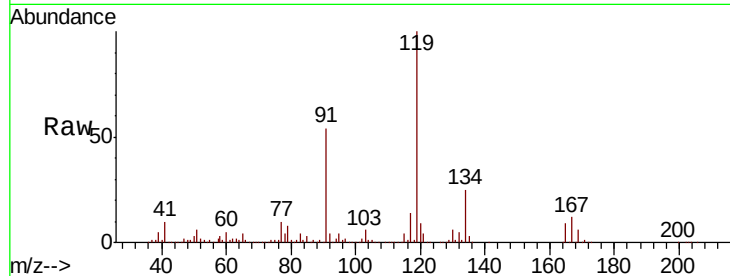




#83  
 tert-Butylbenzene  
 Concen: 54.69 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

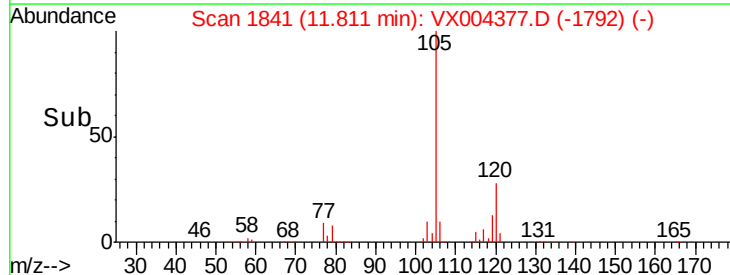
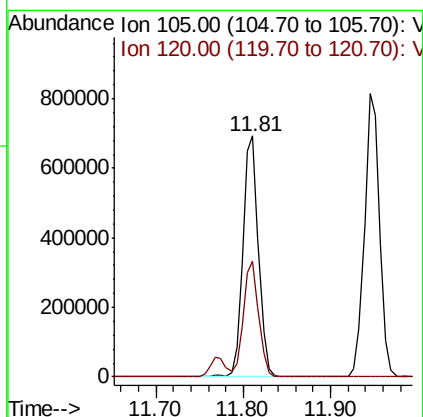
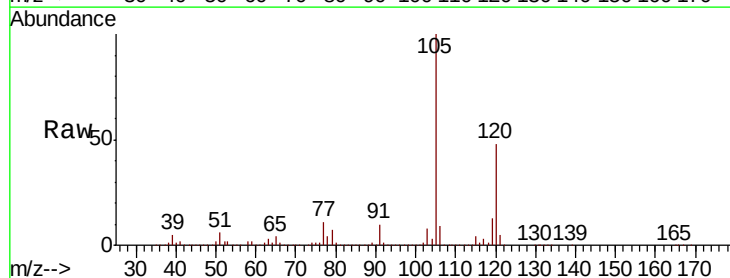
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

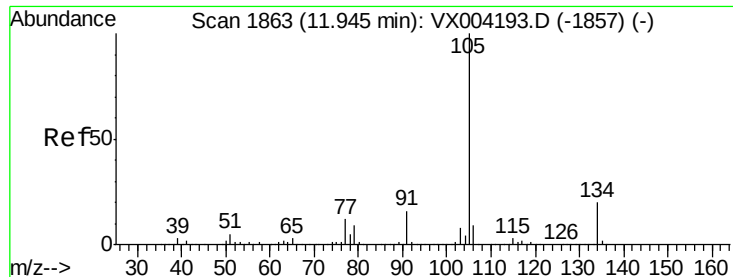
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 55.0  | 27.0  | 81.0  |
| 134     | 24.3  | 11.7  | 35.1  |



#84  
 1,2,4-Trimethylbenzene  
 Concen: 56.99 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.9  | 23.2  | 69.6  |

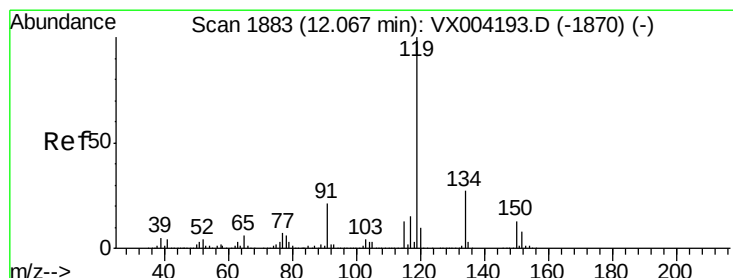
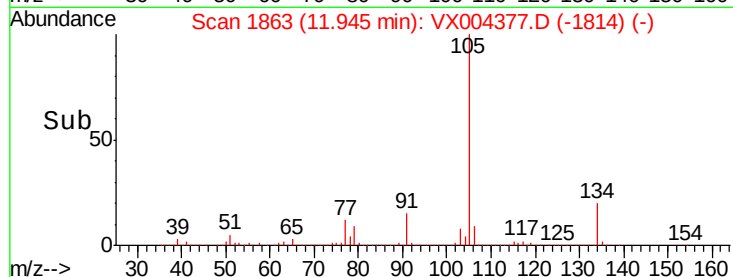
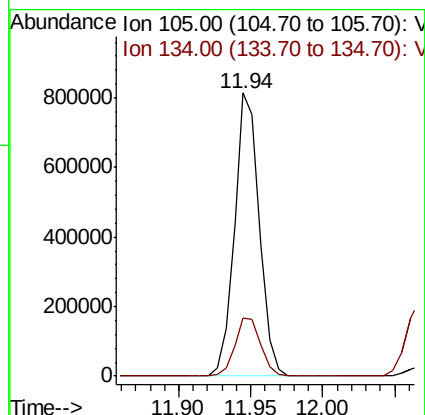
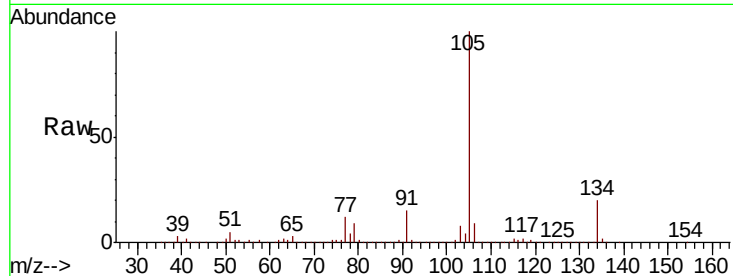




#85  
 sec-Butylbenzene  
 Concen: 55.98 ug/l  
 RT: 11.94 min Scan# 1863  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

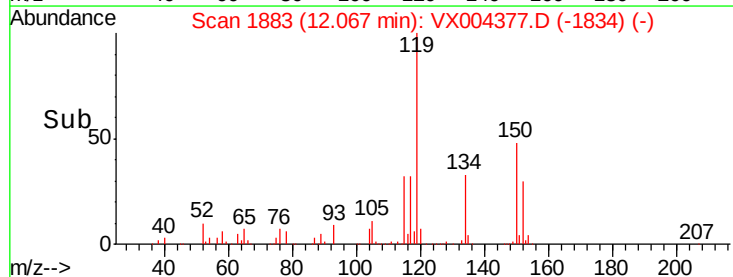
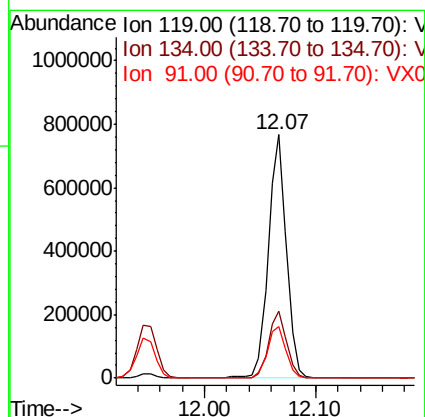
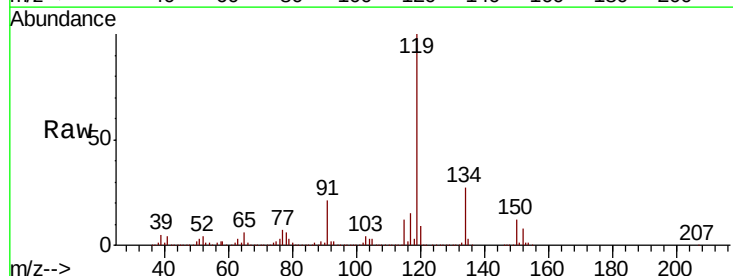
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

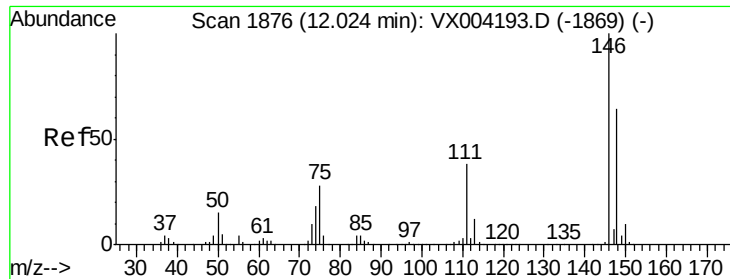
Tot Ion:105 Resp: 979489  
 Ion Ratio Lower Upper  
 105 100  
 134 21.3 10.5 31.5



#86  
 p-Isopropyltoluene  
 Concen: 55.63 ug/l  
 RT: 12.07 min Scan# 1883  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion:119 Resp: 872408  
 Ion Ratio Lower Upper  
 119 100  
 134 27.3 13.4 40.2  
 91 22.0 10.9 32.7

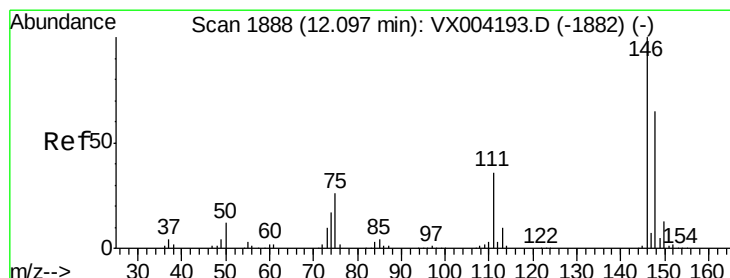
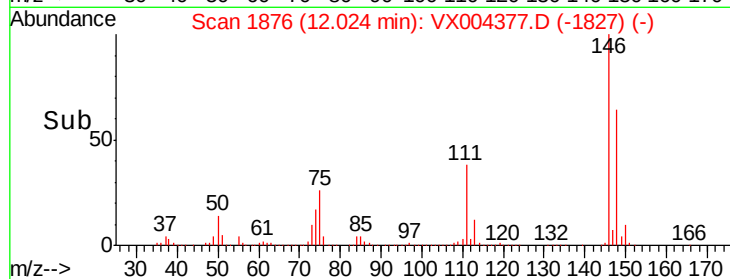
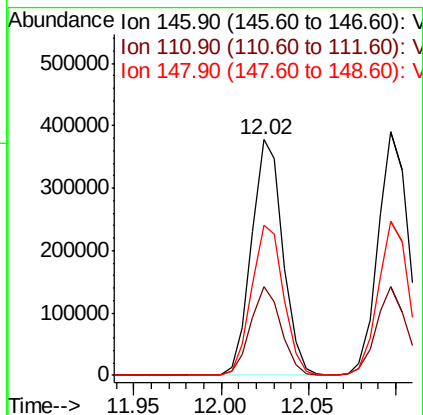
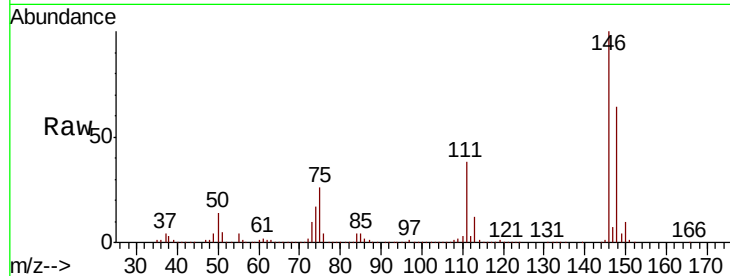




#87  
 1,3-Dichlorobenzene  
 Concen: 50.46 ug/l  
 RT: 12.02 min Scan# 1876  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

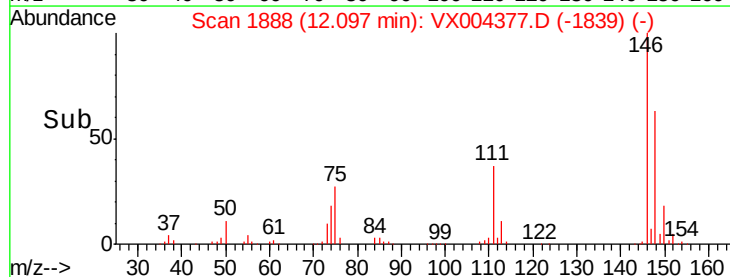
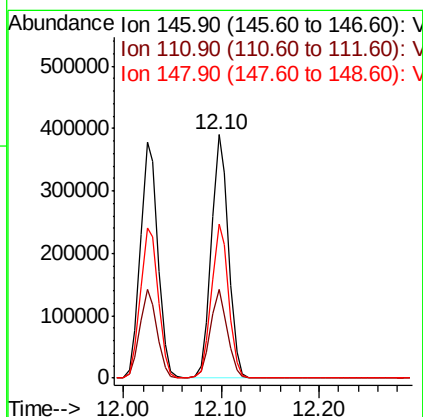
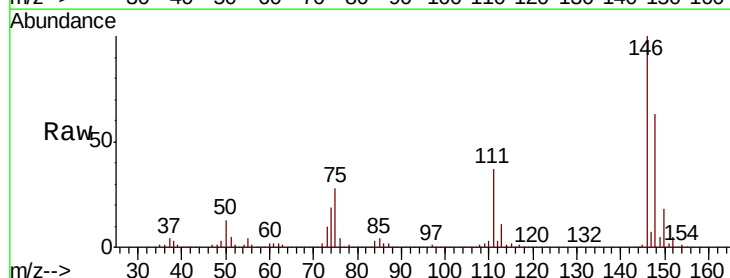
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:146 Resp: 471410  
 Ion Ratio Lower Upper  
 146 100  
 111 36.7 18.7 56.1  
 148 64.8 32.1 96.5

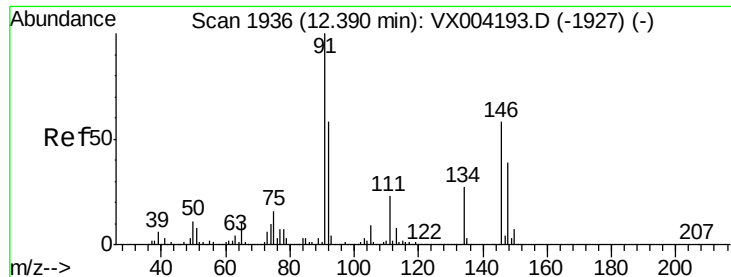


#88  
 1,4-Dichlorobenzene  
 Concen: 47.88 ug/l  
 RT: 12.10 min Scan# 1888  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion:146 Resp: 471650  
 Ion Ratio Lower Upper  
 146 100  
 111 36.0 18.1 54.1  
 148 63.3 32.0 96.0







#89

n-Butylbenzene

Concen: 54.74 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

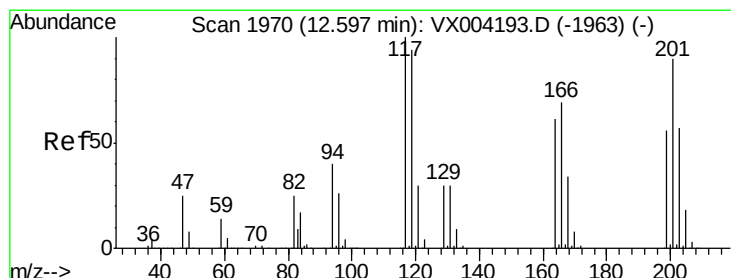
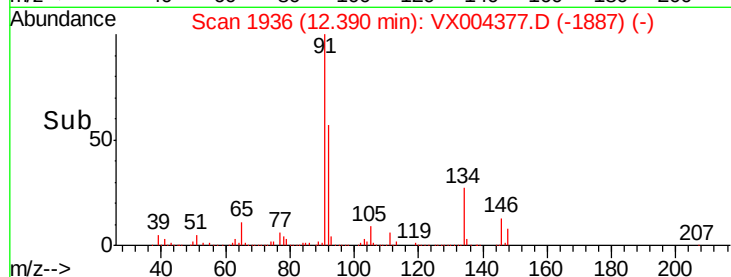
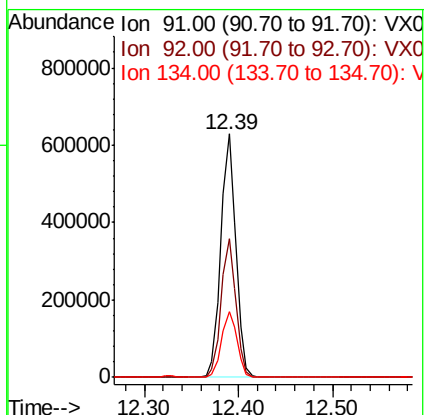
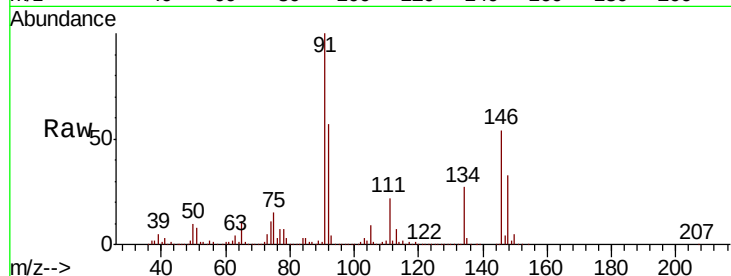
Tot Ion: 91 Resp: 697991

Ion Ratio Lower Upper

91 100

92 55.7 27.3 81.9

134 28.0 13.6 40.7



#90

Hexachloroethane

Concen: 56.85 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX004377.D

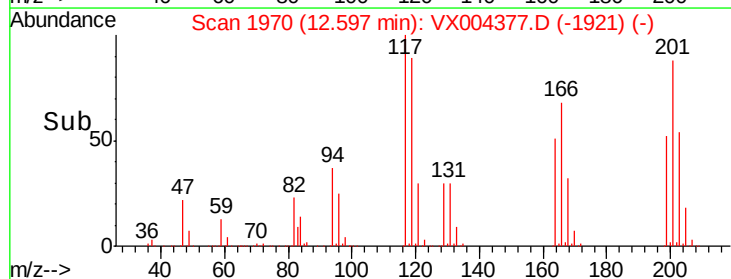
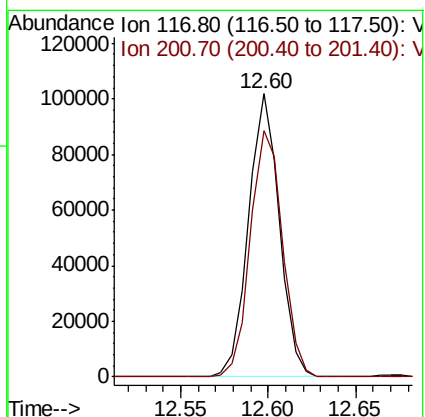
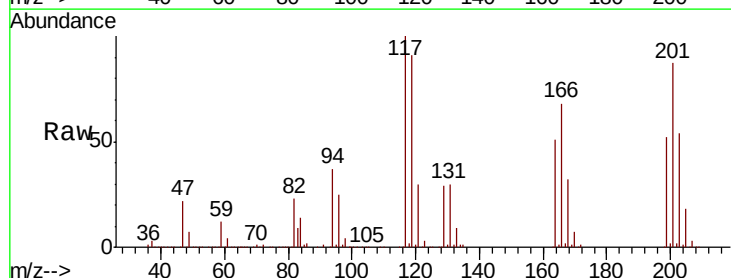
Acq: 05 Sep 2018 18:28

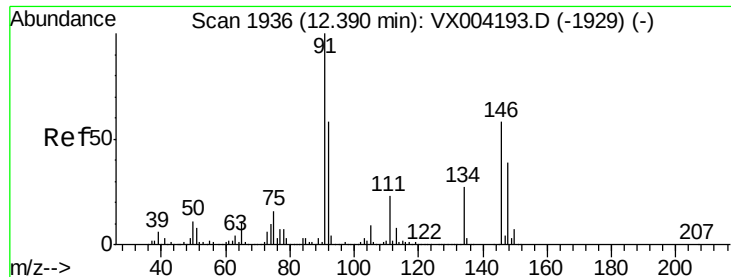
Tgt Ion: 117 Resp: 124613

Ion Ratio Lower Upper

117 100

201 90.7 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 50.59 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

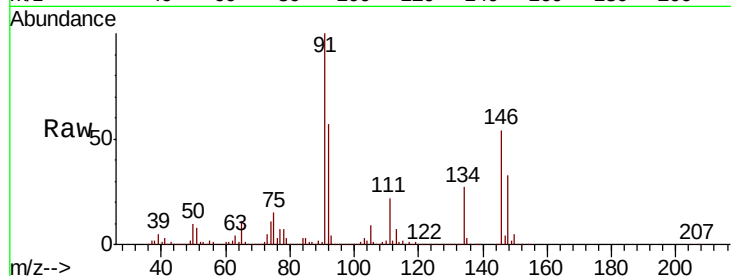
Tot Ion:146 Resp: 431969

Ion Ratio Lower Upper

146 100

111 39.8 19.4 58.1

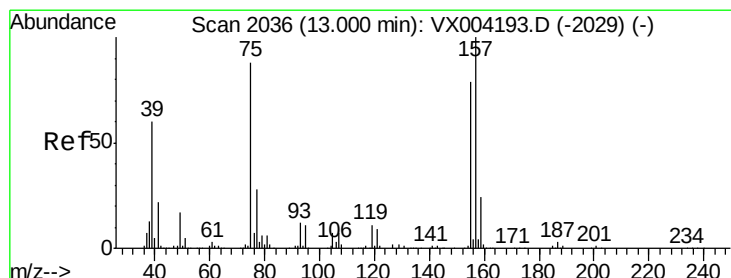
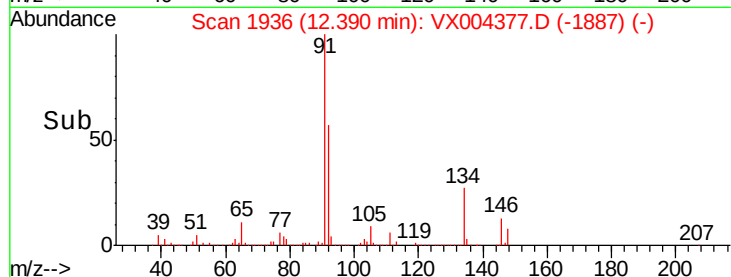
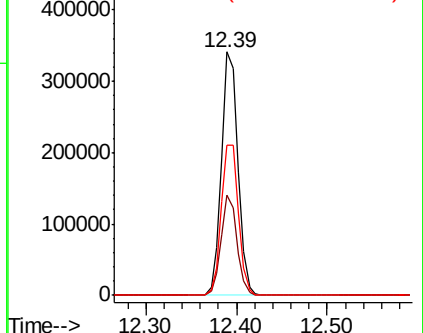
148 64.7 32.8 98.3



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: 52.47 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

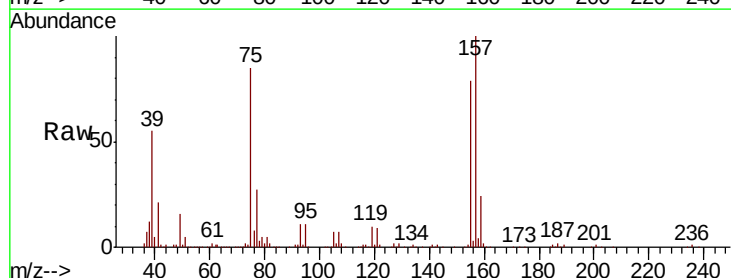
Tgt Ion: 75 Resp: 57212

Ion Ratio Lower Upper

75 100

155 99.3 48.0 144.2

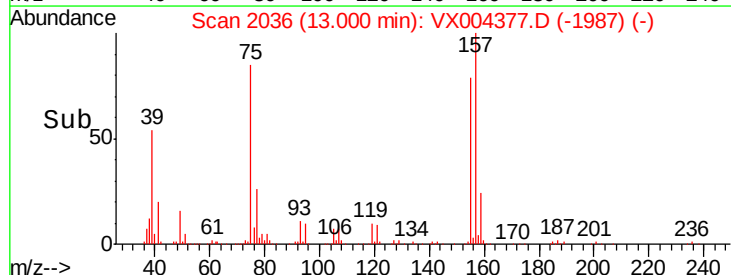
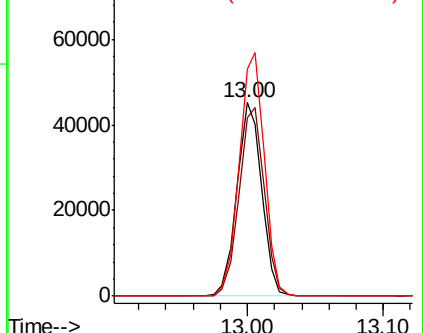
157 127.5 61.4 184.1

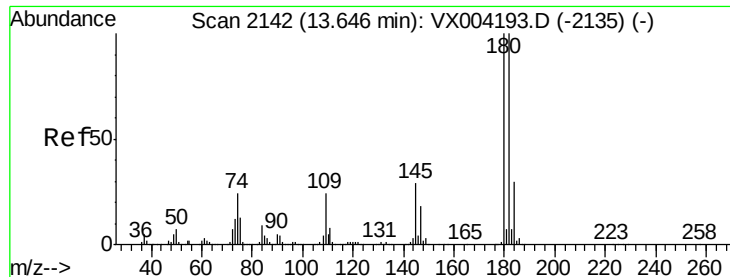


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

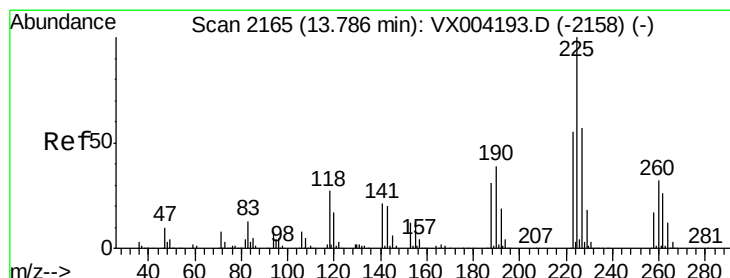
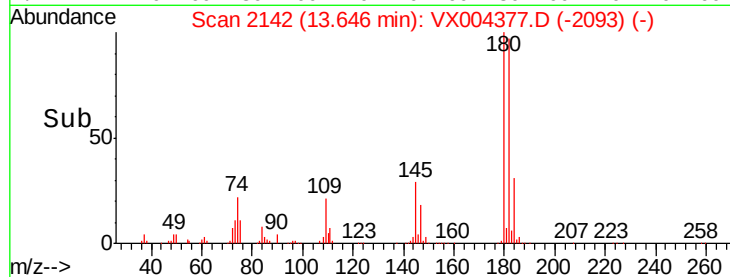
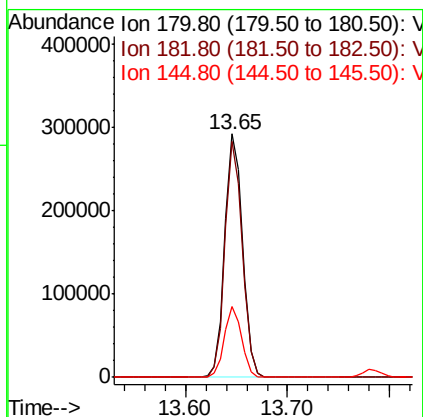
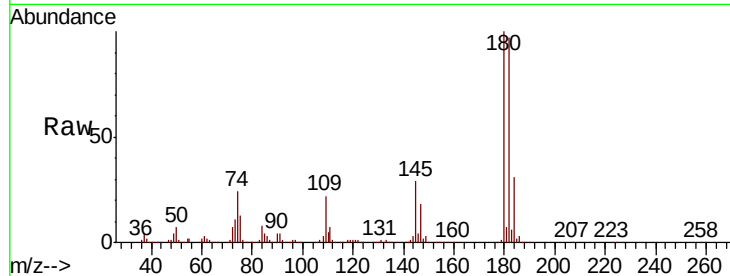




#93  
 1,2,4-Trichlorobenzene  
 Concen: 56.96 ug/l  
 RT: 13.65 min Scan# 2142  
 Delta R.T. -0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

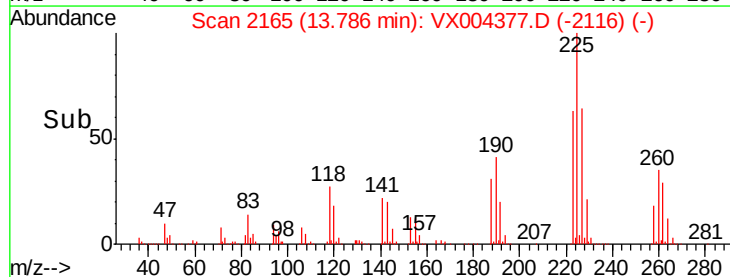
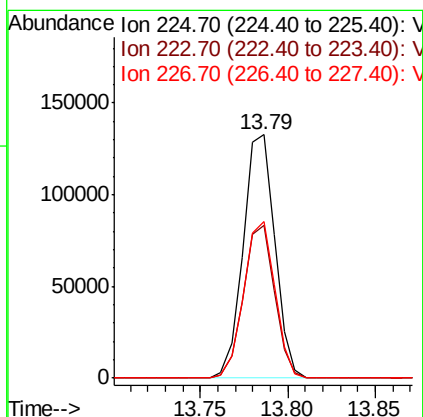
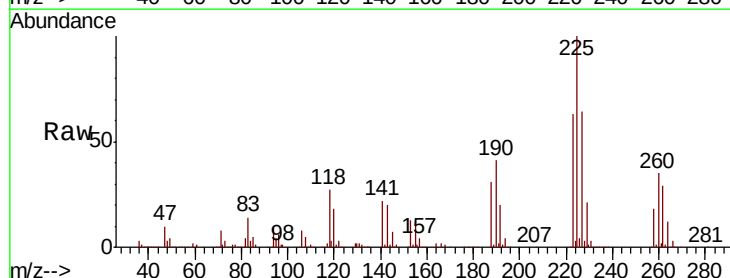
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

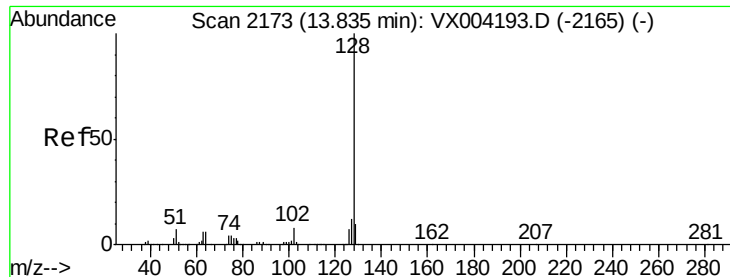
Tot Ion:180 Resp: 353856  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 48.4 145.0  
 145 28.6 14.3 42.9



#94  
 Hexachlorobutadiene  
 Concen: 58.01 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX004377.D  
 Acq: 05 Sep 2018 18:28

Tgt Ion:225 Resp: 167590  
 Ion Ratio Lower Upper  
 225 100  
 223 61.9 30.1 90.5  
 227 63.4 30.8 92.4





#95

Naphthalene

Concen: 61.13 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Instrument :

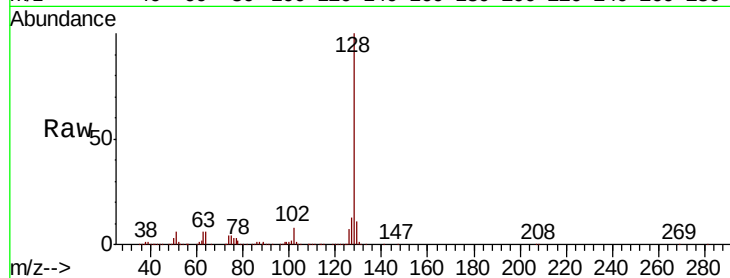
MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1074080

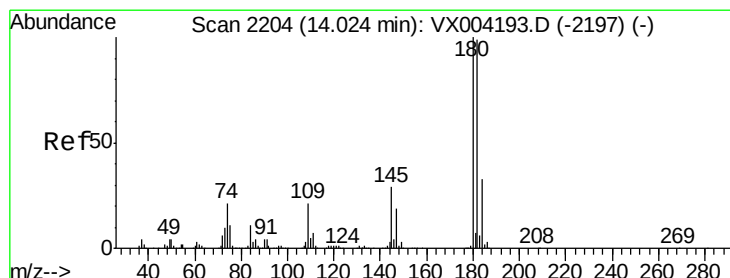
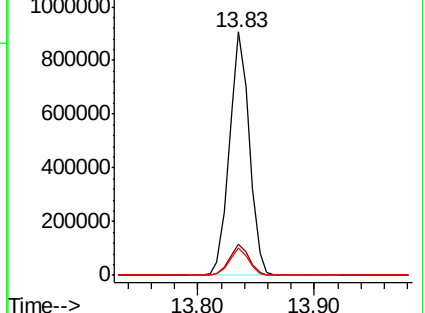
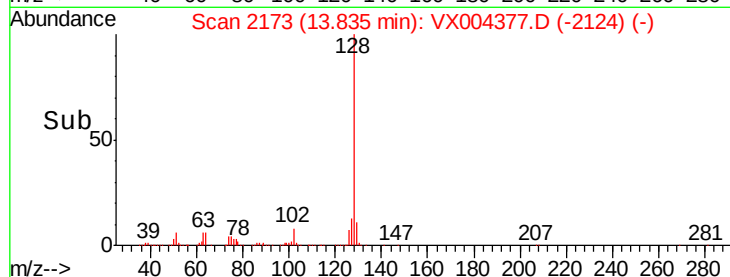
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.7  | 10.2  | 15.2  |
| 129 | 10.9  | 8.6   | 12.8  |



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: 55.61 ug/l

RT: 14.02 min Scan# 2204

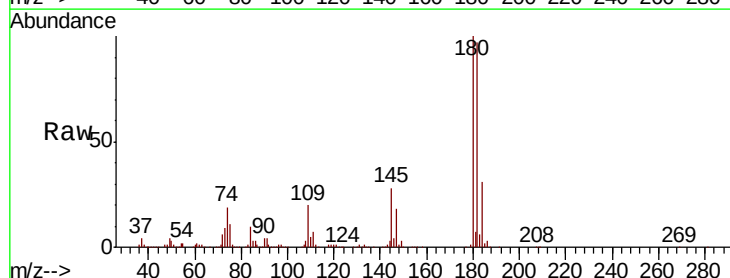
Delta R.T. -0.00 min

Lab File: VX004377.D

Acq: 05 Sep 2018 18:28

Tgt Ion:180 Resp: 365716

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.9  | 48.5  | 145.6 |
| 145 | 29.4  | 14.9  | 44.9  |



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

