

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX012220\  
 Data File : VX014681.D  
 Acq On : 22 Jan 2020 10:41  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Quant Time: Jan 22 11:50:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 22 11:47:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 424295   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 656055   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 584341   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 274967   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |        |      |
|---------------------------|--------|-----|----------|------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.05   | 65  | 26447    | 5.51 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 11.02% |      |
| 35) Dibromofluoromethane  | 5.48   | 113 | 21986    | 5.48 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.96% |      |
| 50) Toluene-d8            | 8.71   | 98  | 81547    | 5.24 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 10.48% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 27722    | 4.89 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =    | 9.78%  |      |

## Target Compounds

|                               |      |     |        |       |      | Qvalue |
|-------------------------------|------|-----|--------|-------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 19695  | 4.11  | ug/l | 95     |
| 3) Chloromethane              | 1.32 | 50  | 27194  | 4.97  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 27787  | 4.57  | ug/l | 98     |
| 5) Bromomethane               | 1.63 | 94  | 21341  | 5.22  | ug/l | 97     |
| 6) Chloroethane               | 1.72 | 64  | 18762  | 5.19  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 36732  | 5.33  | ug/l | 98     |
| 8) Diethyl Ether              | 2.18 | 74  | 16654  | 5.31  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 22420  | 5.36  | ug/l | 97     |
| 10) Methyl Iodide             | 2.50 | 142 | 22719  | 4.46  | ug/l | 97     |
| 11) Tert butyl alcohol        | 3.03 | 59  | 29366  | 29.94 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 21476  | 5.11  | ug/l | 94     |
| 13) Acrolein                  | 2.28 | 56  | 22231  | 27.67 | ug/l | 96     |
| 14) Allyl chloride            | 2.72 | 41  | 38185  | 5.13  | ug/l | 98     |
| 15) Acrylonitrile             | 3.13 | 53  | 65833  | 27.26 | ug/l | 100    |
| 16) Acetone                   | 2.43 | 43  | 71919  | 27.59 | ug/l | 98     |
| 17) Carbon Disulfide          | 2.56 | 76  | 55352  | 4.70  | ug/l | 99     |
| 18) Methyl Acetate            | 2.76 | 43  | 37263  | 5.40  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 3.19 | 73  | 68521  | 5.07  | ug/l | 97     |
| 20) Methylene Chloride        | 2.85 | 84  | 27195  | 5.66  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 22504  | 4.89  | ug/l | 89     |
| 22) Diisopropyl ether         | 3.84 | 45  | 76061  | 5.27  | ug/l | 91     |
| 23) Vinyl Acetate             | 3.80 | 43  | 295536 | 26.61 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.69 | 63  | 42005  | 5.37  | ug/l | 96     |
| 25) 2-Butanone                | 4.66 | 43  | 97813  | 27.30 | ug/l | 95     |
| 26) 2,2-Dichloropropane       | 4.57 | 77  | 31339  | 4.77  | ug/l | 93     |
| 27) cis-1,2-Dichloroethene    | 4.58 | 96  | 25526  | 4.96  | ug/l | 93     |
| 28) Bromochloromethane        | 5.01 | 49  | 18131  | 5.49  | ug/l | 94     |
| 29) Tetrahydrofuran           | 5.12 | 42  | 58245  | 27.53 | ug/l | 98     |
| 30) Chloroform                | 5.20 | 83  | 42893  | 5.61  | ug/l | 100    |
| 31) Cyclohexane               | 5.57 | 56  | 36222  | 4.95  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97  | 34426  | 5.29  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 29864  | 4.80  | ug/l | 94     |
| 37) Ethyl Acetate             | 4.82 | 43  | 35222  | 5.21  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 27057  | 4.74  | ug/l | 93     |

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 Data File : VX014681.D  
 Acq On : 22 Jan 2020 10:41  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Quant Time: Jan 22 11:50:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 22 11:47:55 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 36740    | 4.72   | ug/l   | 94       |
| 40) Benzene                    | 6.14  | 78   | 95883    | 5.18   | ug/l   | 91       |
| 41) Methacrylonitrile          | 5.03  | 41   | 18178    | 5.01   | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.18  | 62   | 33365    | 5.15   | ug/l   | 89       |
| 43) Isopropyl Acetate          | 6.43  | 43   | 55012    | 5.03   | ug/l   | 96       |
| 44) Trichloroethene            | 7.21  | 130  | 27564    | 5.21   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 24097    | 5.10   | ug/l   | 99       |
| 46) Dibromomethane             | 7.65  | 93   | 16679    | 5.08   | ug/l   | 98       |
| 47) Bromodichloromethane       | 7.89  | 83   | 30309    | 5.06   | ug/l   | 93       |
| 48) Methyl methacrylate        | 7.76  | 41   | 26601    | 5.06   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 12190    | 111.29 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 178108   | 26.65  | ug/l   | 98       |
| 52) Toluene                    | 8.78  | 92   | 58131    | 4.93   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 29636    | 4.28   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 33229    | 4.43   | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 23833    | 5.01   | ug/l   | 95       |
| 56) Ethyl methacrylate         | 9.17  | 69   | 31844    | 4.39   | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 40545    | 5.09   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 54877    | 22.22  | ug/l   | 96       |
| 59) 2-Hexanone                 | 9.48  | 43   | 135462   | 25.65  | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.57  | 129  | 22634    | 4.74   | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 25511    | 5.07   | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.33  | 164  | 29600    | 5.02   | ug/l   | 95       |
| 65) Chlorobenzene              | 10.14 | 112  | 64117    | 5.03   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 22710    | 4.99   | ug/l   | 96       |
| 67) Ethyl Benzene              | 10.25 | 91   | 105890   | 4.87   | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.35 | 106  | 79375    | 9.46   | ug/l   | 99       |
| 69) o-Xylene                   | 10.70 | 106  | 38364    | 4.79   | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 61393    | 4.45   | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 16557    | 4.47   | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.01 | 105  | 102090   | 5.25   | ug/l   | 98       |
| 74) N-amyl acetate             | 10.89 | 43   | 40263    | 4.70   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 35807    | 5.70   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 38888    | 6.58   | ug/l   | 93       |
| 77) Bromobenzene               | 11.25 | 156  | 27600    | 5.13   | ug/l   | 99       |
| 78) n-propylbenzene            | 11.35 | 91   | 110954   | 4.97   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 69342    | 5.21   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.50 | 105  | 79886    | 4.94   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 8996     | 4.16   | ug/l # | 82       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 76782    | 4.92   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 79016    | 5.19   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 82540    | 5.05   | ug/l   | 96       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 93321    | 4.92   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 84708    | 4.82   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 48664    | 5.04   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 48743    | 4.94   | ug/l   | 94       |
| 89) n-Butylbenzene             | 12.38 | 91   | 67651    | 4.23   | ug/l   | 98       |
| 90) Hexachloroethane           | 12.59 | 117  | 15167    | 4.92   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 47065    | 4.97   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75   | 7653     | 5.48   | ug/l   | 91       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX012220\  
Data File : VX014681.D  
Acq On : 22 Jan 2020 10:41  
Operator : JC/SP  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

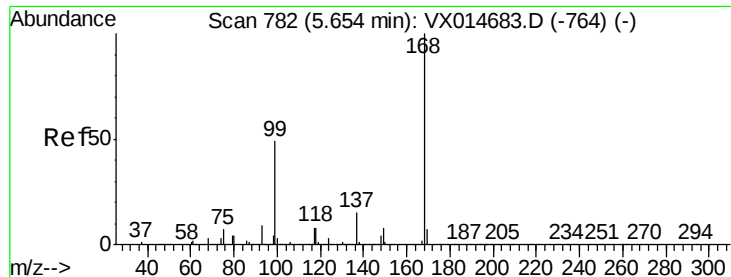
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Quant Time: Jan 22 11:50:52 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X012220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 22 11:47:55 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180  | 27395    | 3.84 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 15490    | 4.61 | ug/l  | 96       |
| 95) Naphthalene            | 13.83 | 128  | 73686    | 3.62 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 28785    | 4.11 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

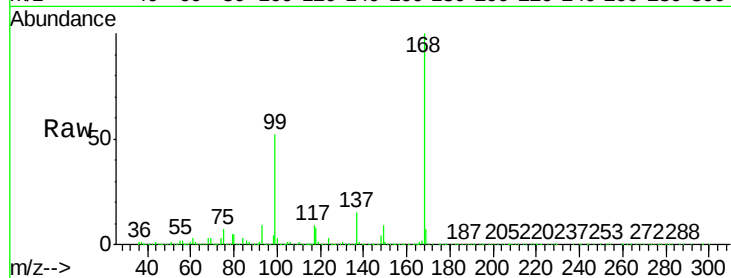
VSTDIC005

Tgt Ion:168 Resp: 424295

Ion Ratio Lower Upper

168 100

99 51.8 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

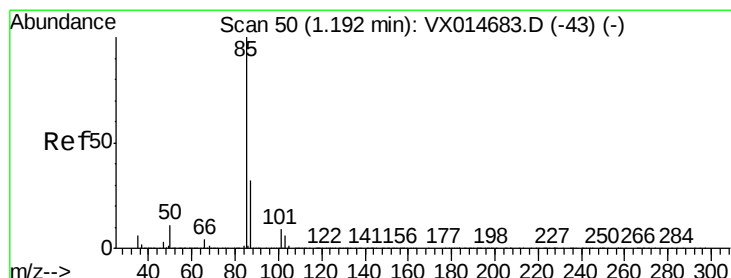
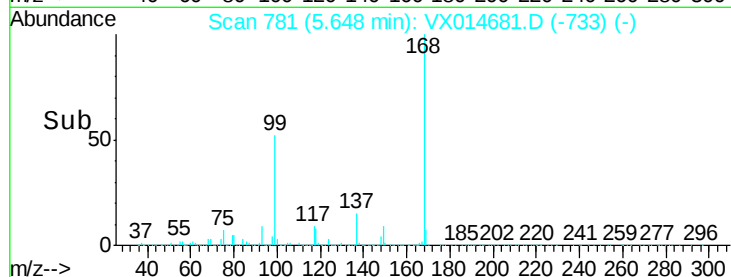
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.11 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014681.D

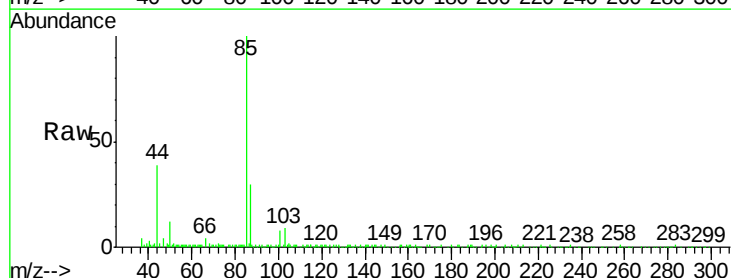
Acq: 22 Jan 2020 10:41

Tgt Ion: 85 Resp: 19695

Ion Ratio Lower Upper

85 100

87 29.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

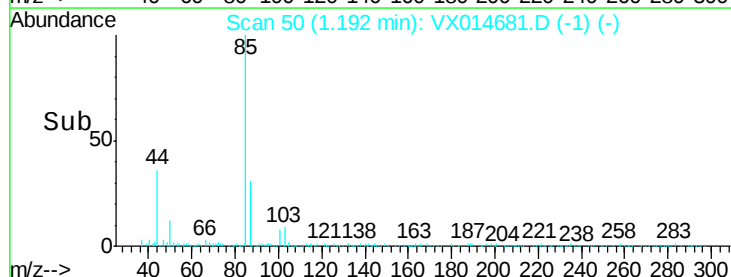
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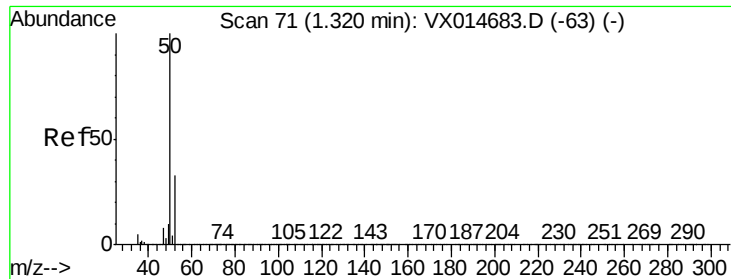
10000

5000

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Time-->





#3

Chloromethane

Concen: 4.97 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

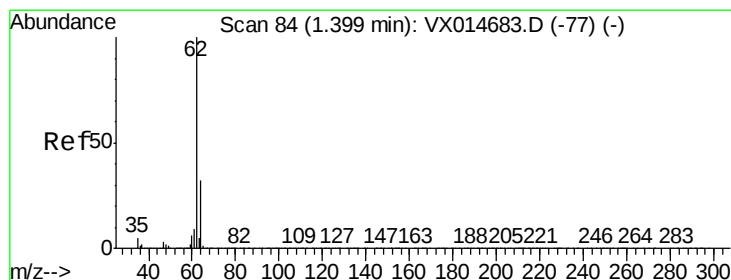
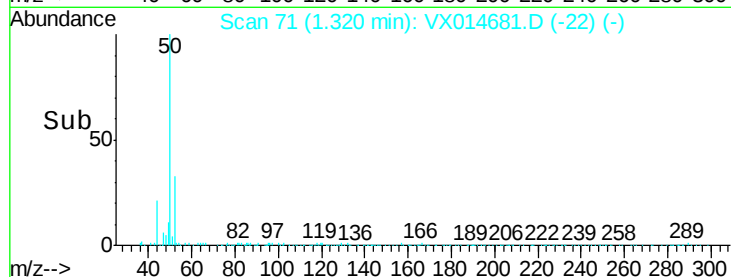
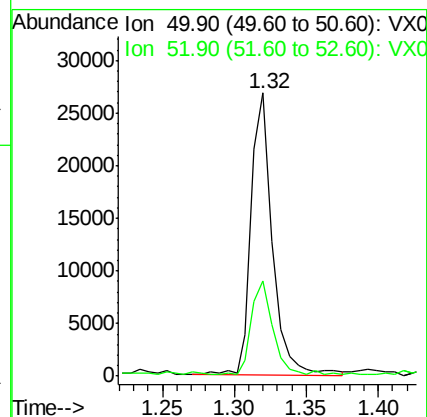
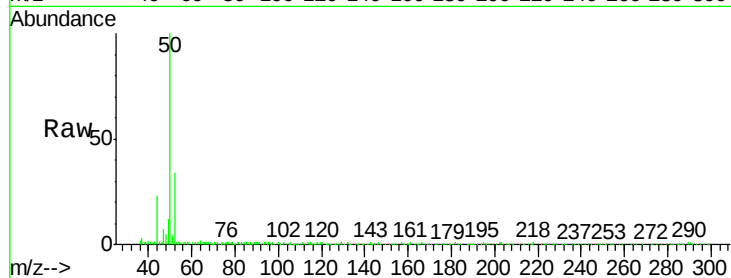
VSTDIC005

Tgt Ion: 50 Resp: 27194

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.2



#4

Vinyl Chloride

Concen: 4.57 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014681.D

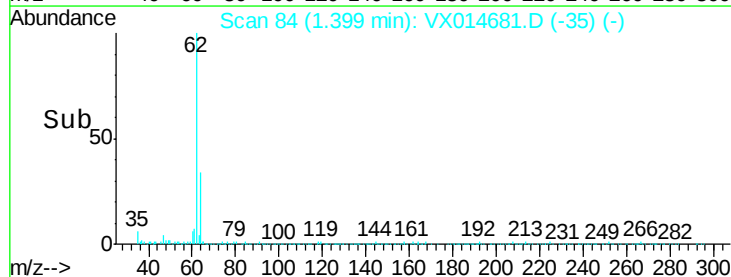
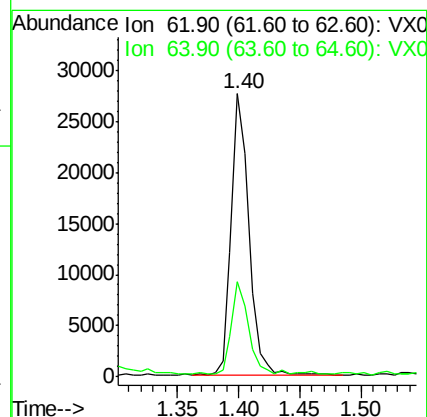
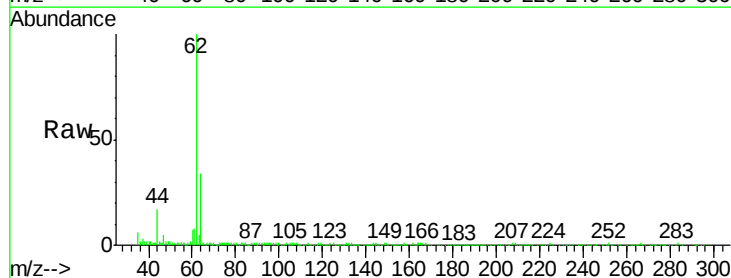
Acq: 22 Jan 2020 10:41

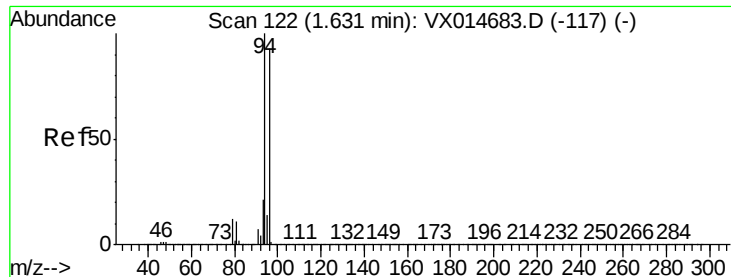
Tgt Ion: 62 Resp: 27787

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 5.22 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

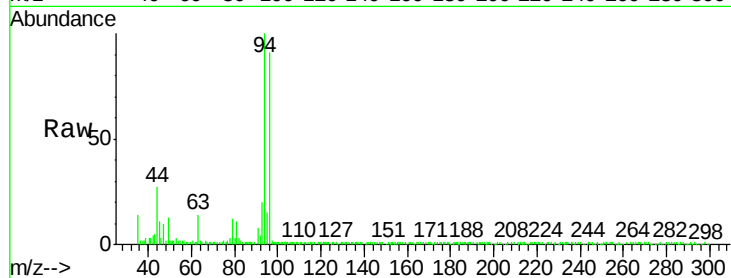
VSTDIC005

Tgt Ion: 94 Resp: 21341

Ion Ratio Lower Upper

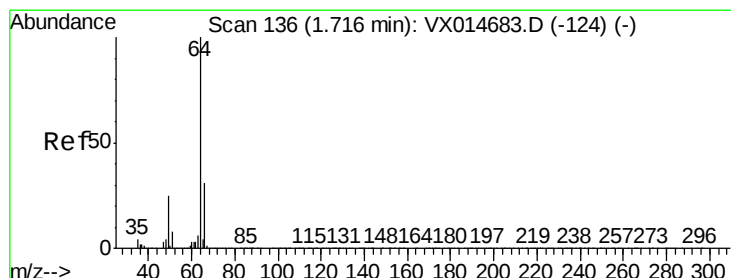
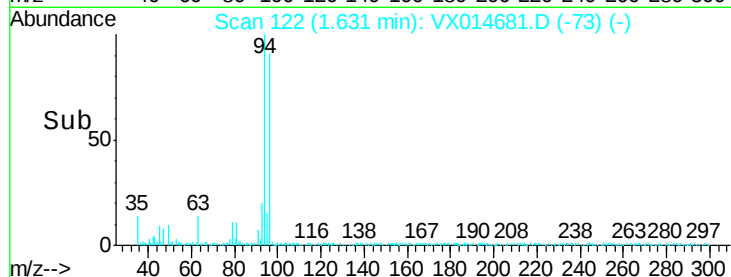
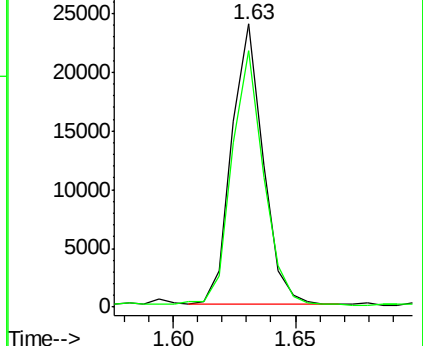
94 100

96 90.6 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 5.19 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014681.D

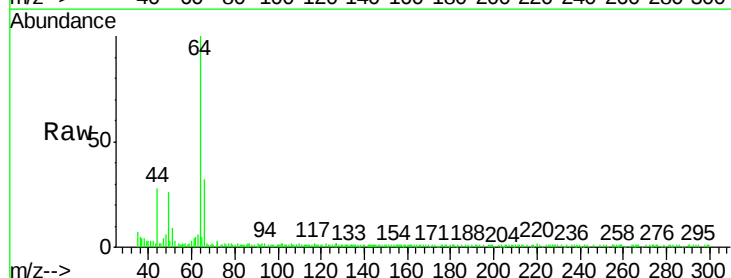
Acq: 22 Jan 2020 10:41

Tgt Ion: 64 Resp: 18762

Ion Ratio Lower Upper

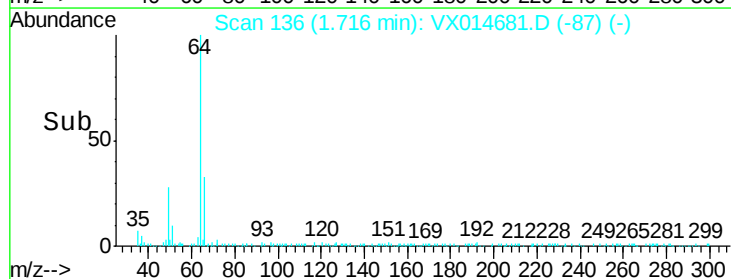
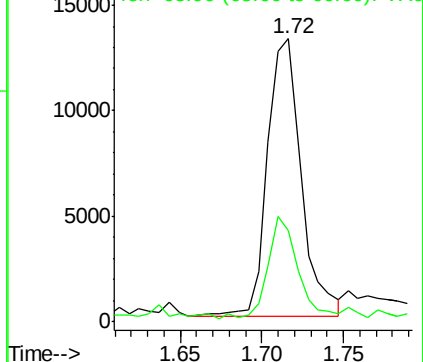
64 100

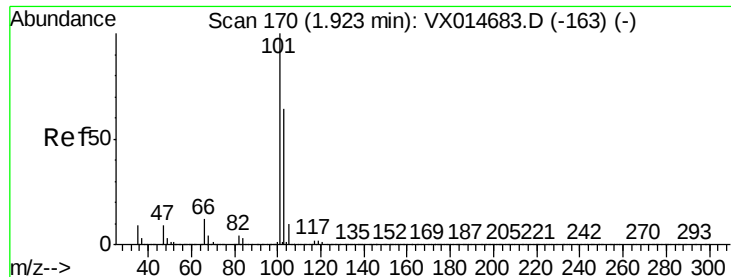
66 31.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 5.33 ug/l

RT: 1.92 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

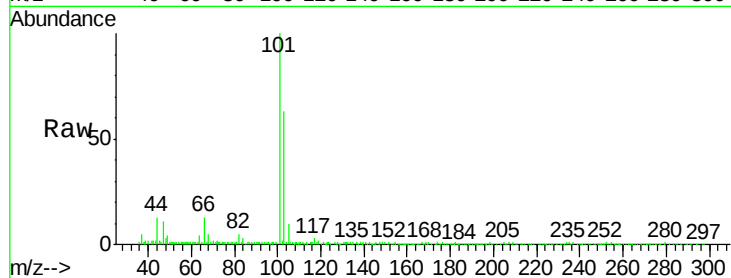
VSTDIC005

Tgt Ion:101 Resp: 36732

Ion Ratio Lower Upper

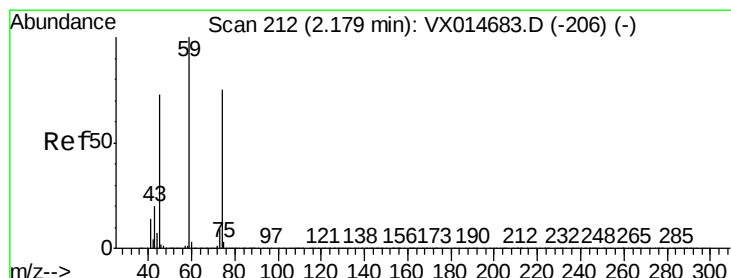
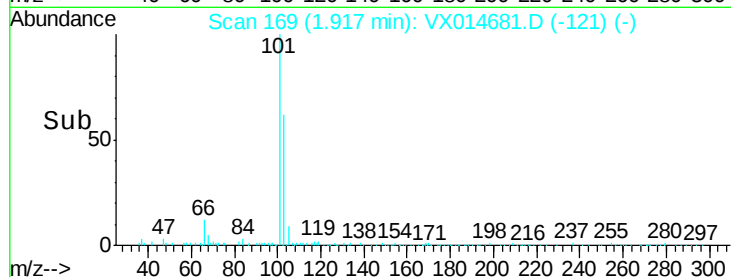
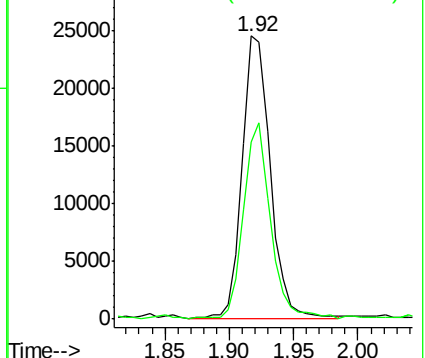
101 100

103 62.4 51.0 76.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.31 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX014681.D

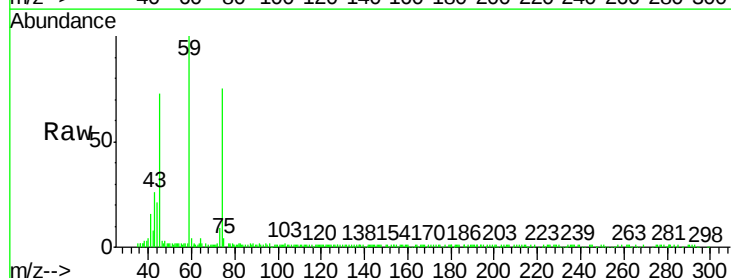
Acq: 22 Jan 2020 10:41

Tgt Ion: 74 Resp: 16654

Ion Ratio Lower Upper

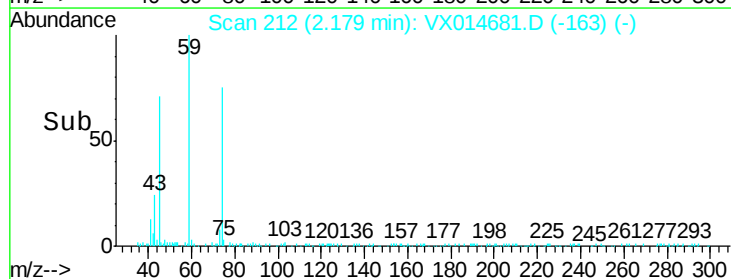
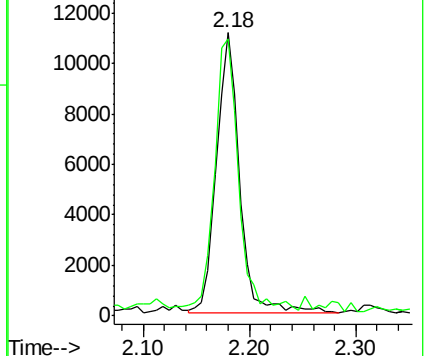
74 100

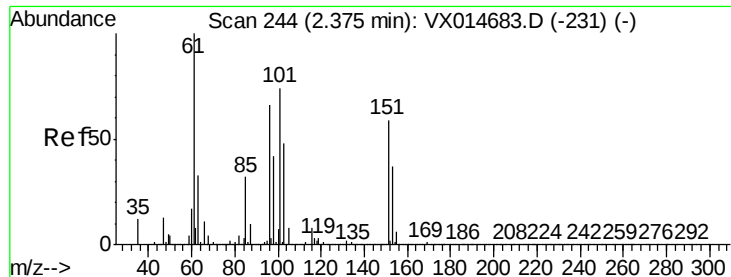
45 99.9 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.36 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

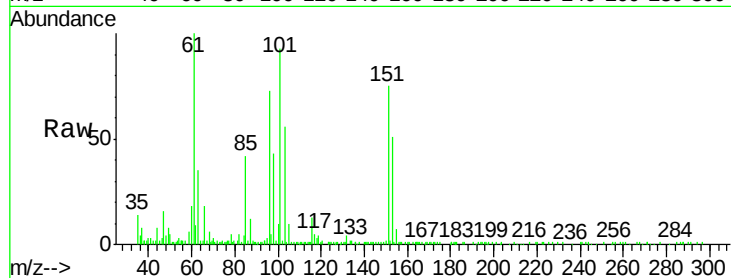
Tgt Ion:101 Resp: 22420

Ion Ratio Lower Upper

101 100

85 44.5 34.7 52.1

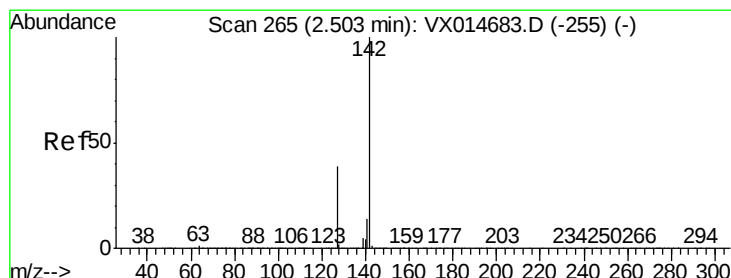
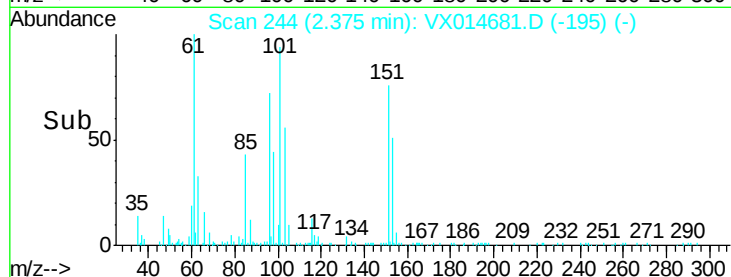
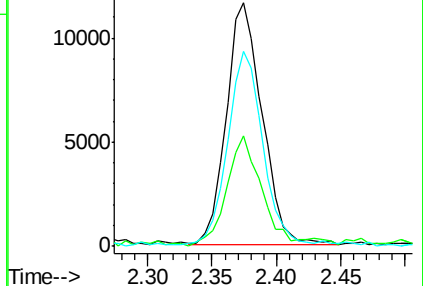
151 77.5 64.7 97.1



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: 4.46 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

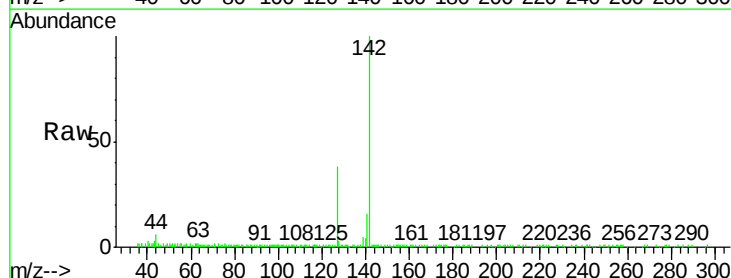
Tgt Ion:142 Resp: 22719

Ion Ratio Lower Upper

142 100

127 39.7 31.1 46.7

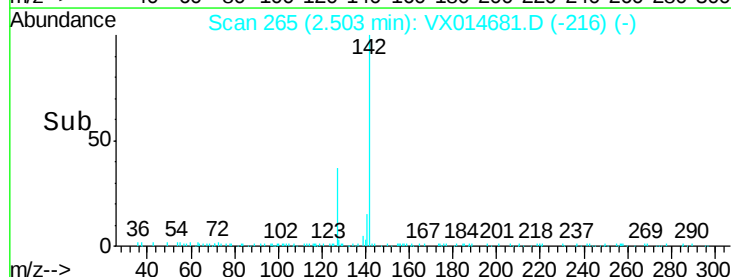
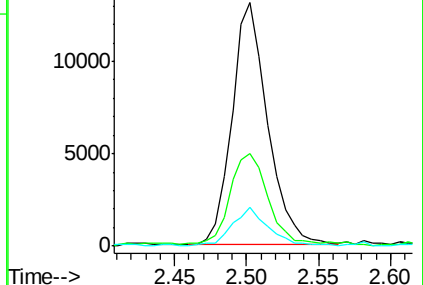
141 16.5 11.3 16.9

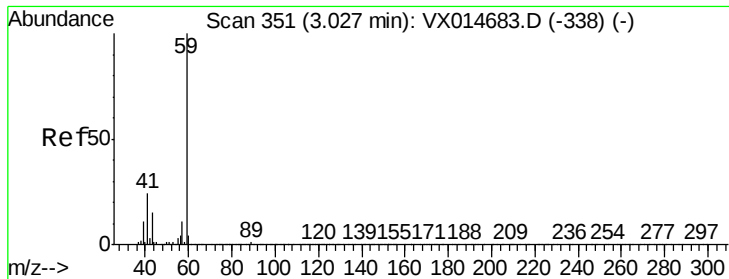


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

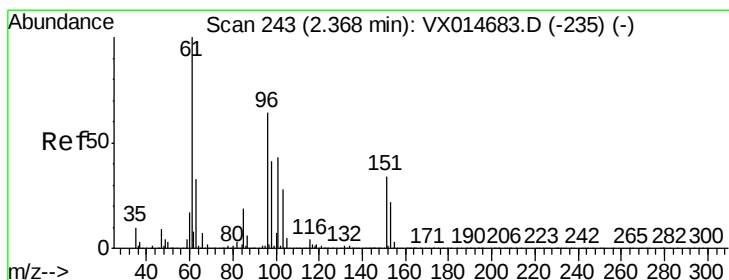
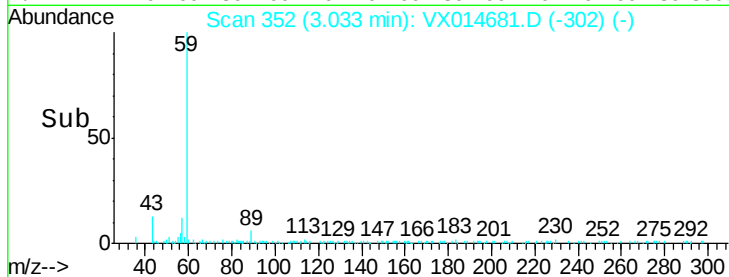
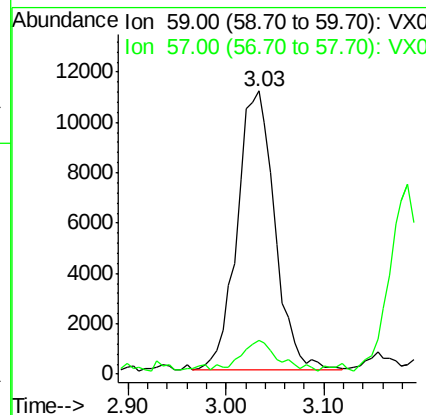
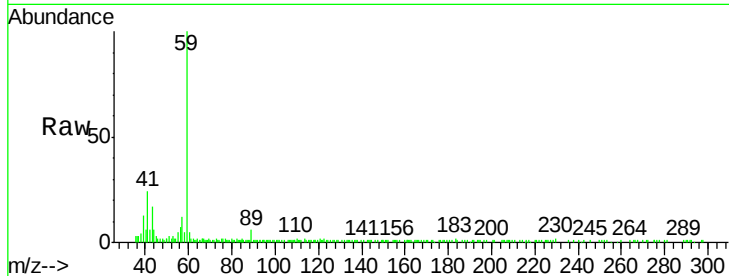




#11  
Tert butyl alcohol  
Concen: 29.94 ug/l  
RT: 3.03 min Scan# 352  
Delta R.T. 0.01 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

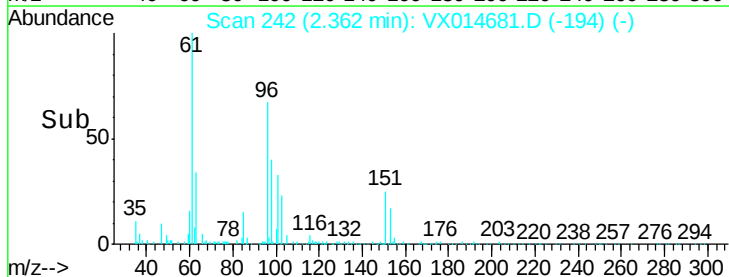
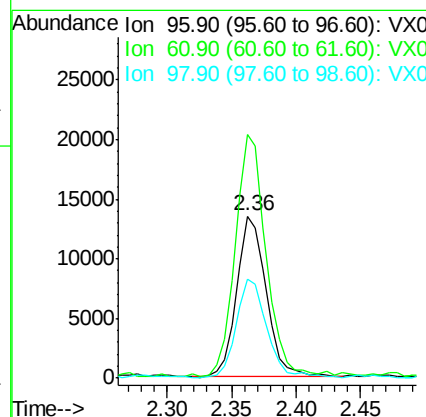
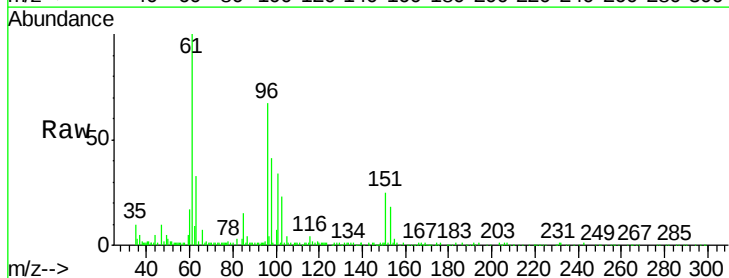
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

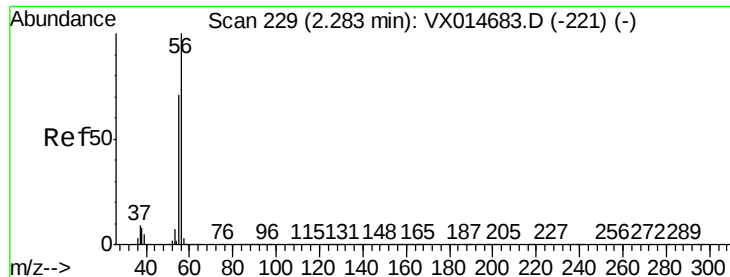
Tgt Ion: 59 Resp: 29366  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.3 12.5



#12  
1,1-Dichloroethene  
Concen: 5.11 ug/l  
RT: 2.36 min Scan# 242  
Delta R.T. -0.01 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion: 96 Resp: 21476  
Ion Ratio Lower Upper  
96 100  
61 148.9 125.8 188.8  
98 61.1 51.5 77.3





#13

Acrolein

Concen: 27.67 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

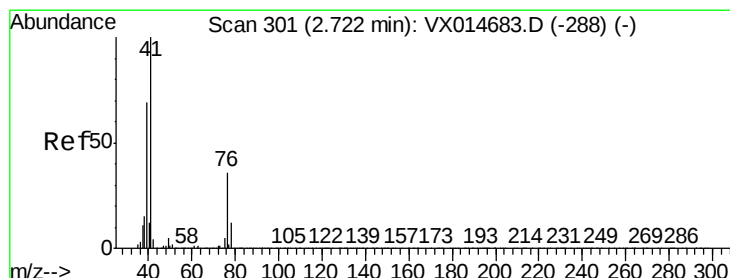
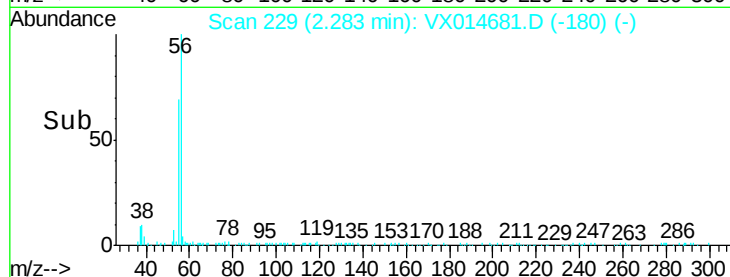
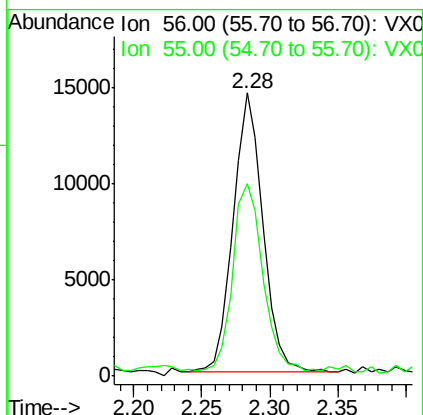
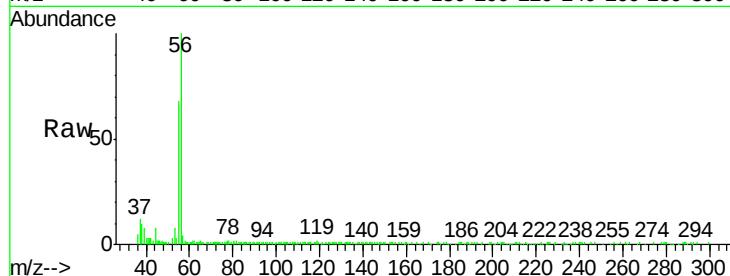
VSTDIC005

Tgt Ion: 56 Resp: 22231

Ion Ratio Lower Upper

56 100

55 67.1 56.6 84.8



#14

Allyl chloride

Concen: 5.13 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

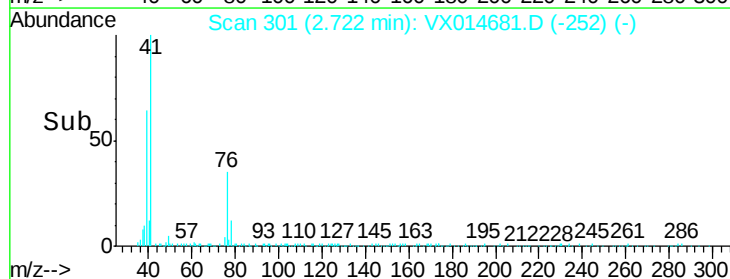
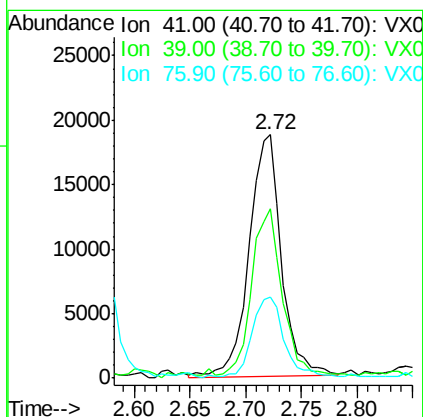
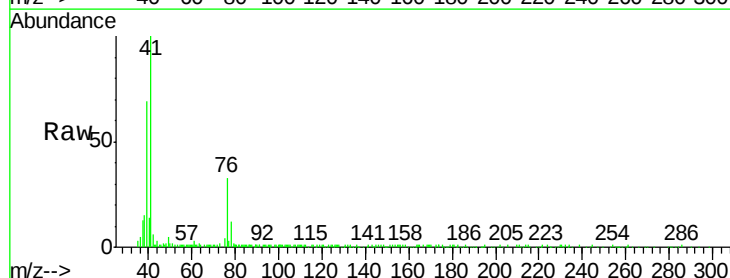
Tgt Ion: 41 Resp: 38185

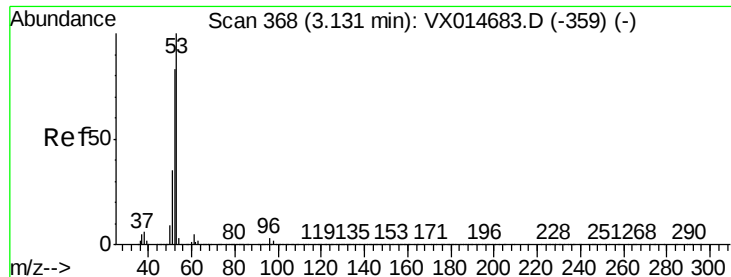
Ion Ratio Lower Upper

41 100

39 65.9 52.0 78.0

76 33.9 26.0 39.0





#15

Acrylonitrile

Concen: 27.26 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

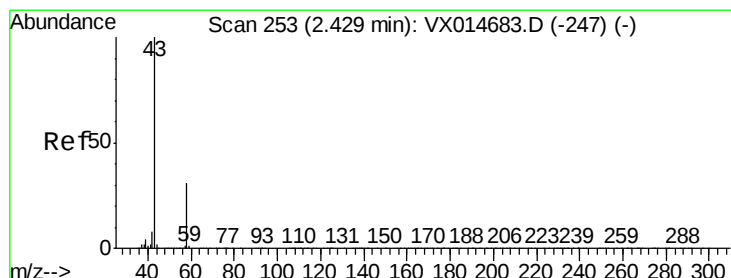
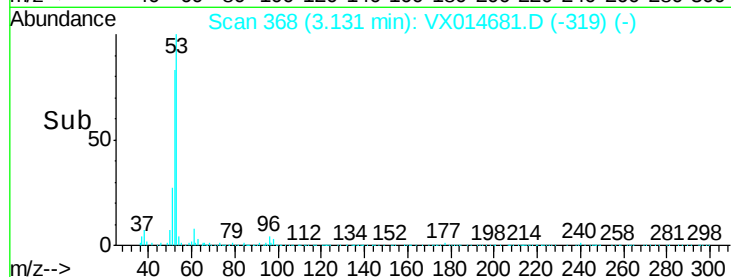
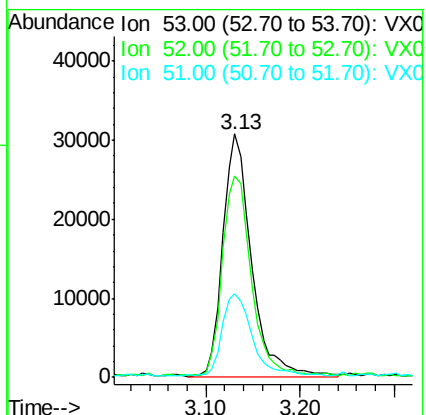
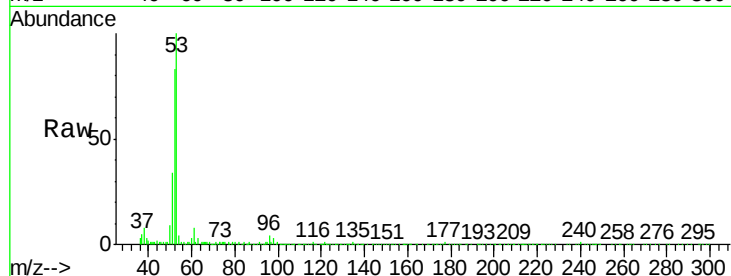
Tgt Ion: 53 Resp: 65833

Ion Ratio Lower Upper

53 100

52 82.8 66.4 99.6

51 35.6 28.7 43.1



#16

Acetone

Concen: 27.59 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014681.D

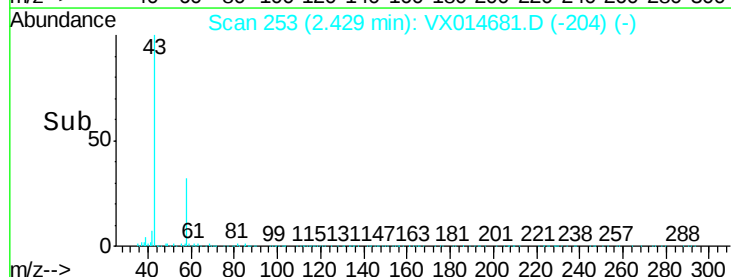
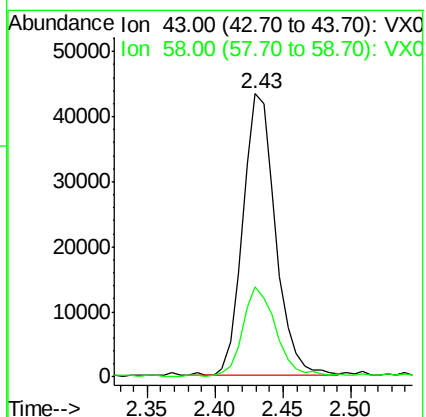
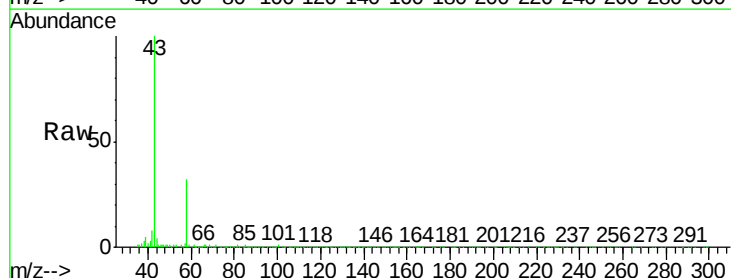
Acq: 22 Jan 2020 10:41

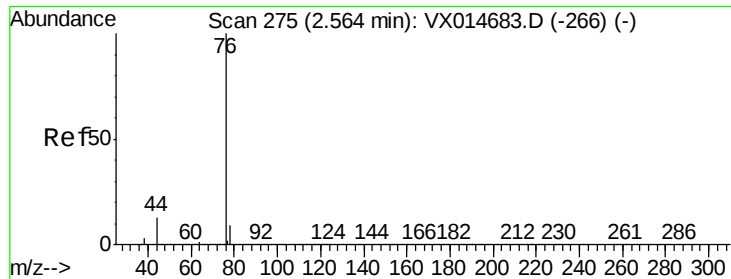
Tgt Ion: 43 Resp: 71919

Ion Ratio Lower Upper

43 100

58 31.6 24.5 36.7

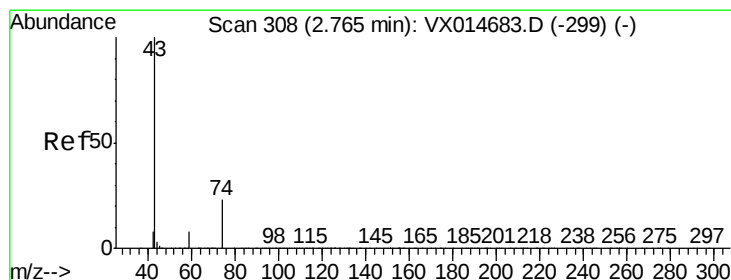
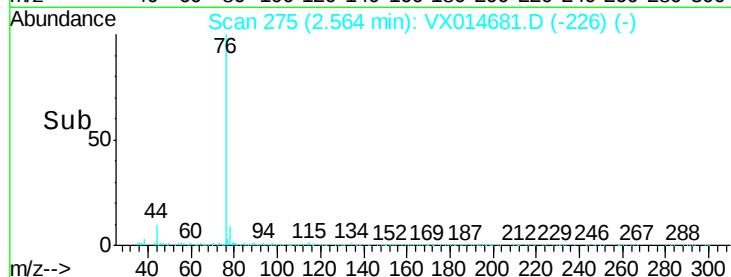
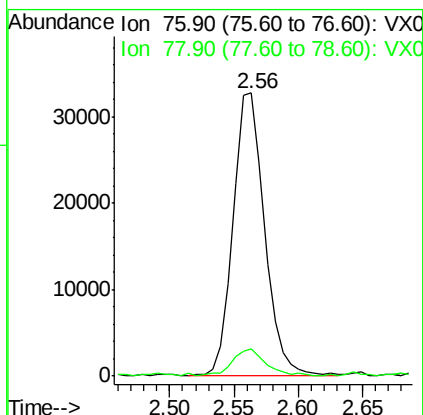
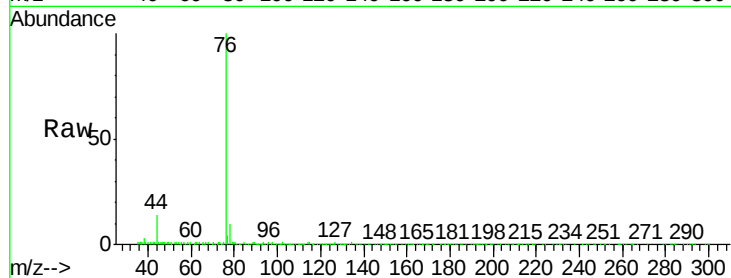




#17  
Carbon Disulfide  
Concen: 4.70 ug/l  
RT: 2.56 min Scan# 275  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

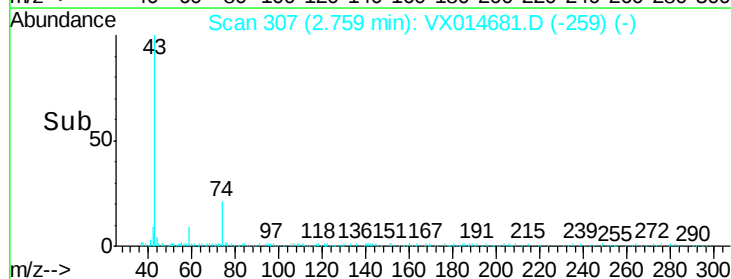
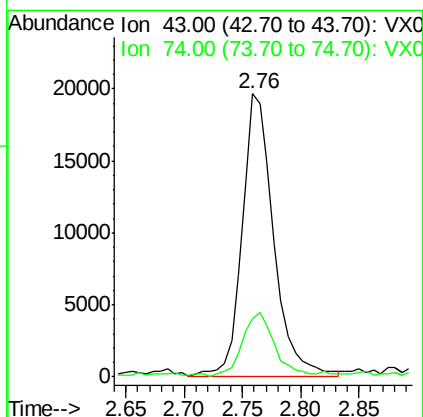
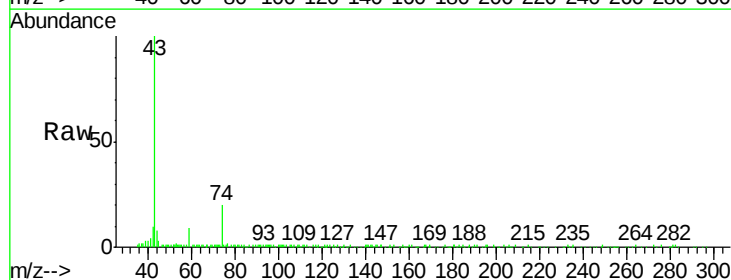
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

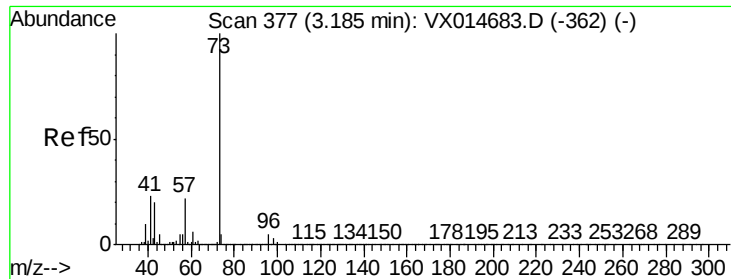
Tgt Ion: 76 Resp: 55352  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.2 10.8



#18  
Methyl Acetate  
Concen: 5.40 ug/l  
RT: 2.76 min Scan# 307  
Delta R.T. -0.01 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion: 43 Resp: 37263  
Ion Ratio Lower Upper  
43 100  
74 23.4 18.5 27.7

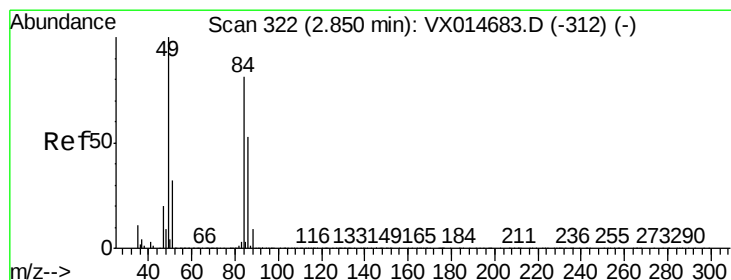
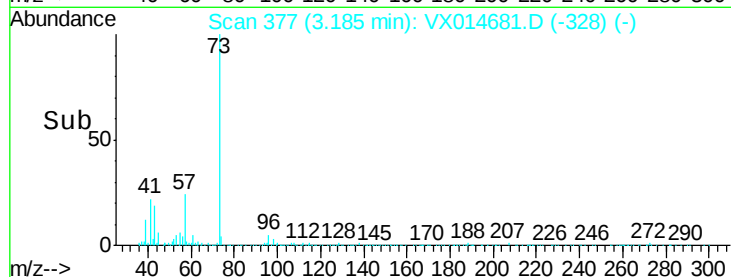
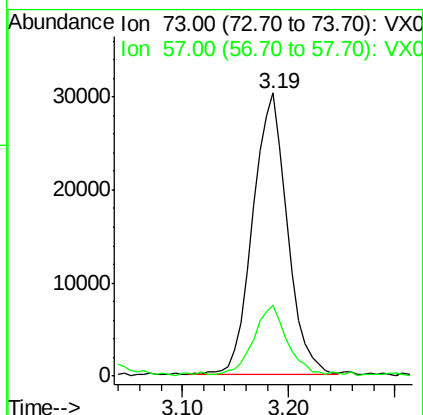
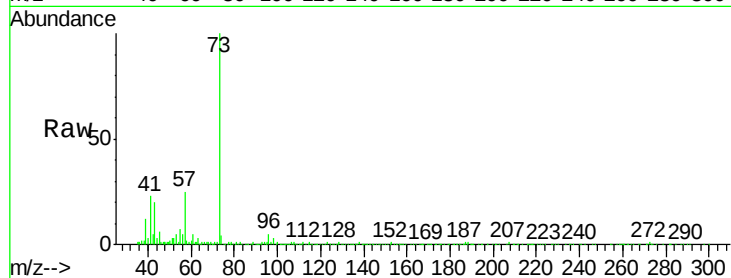




#19  
Methyl tert-butyl Ether  
Concen: 5.07 ug/l  
RT: 3.19 min Scan# 377  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

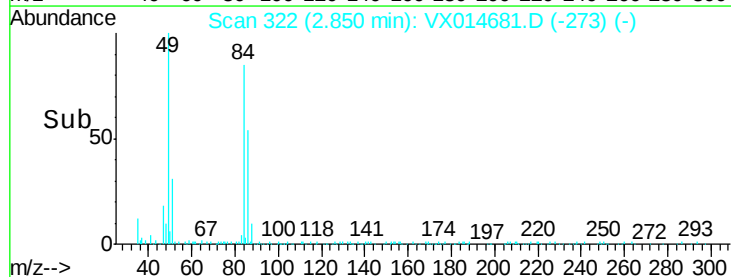
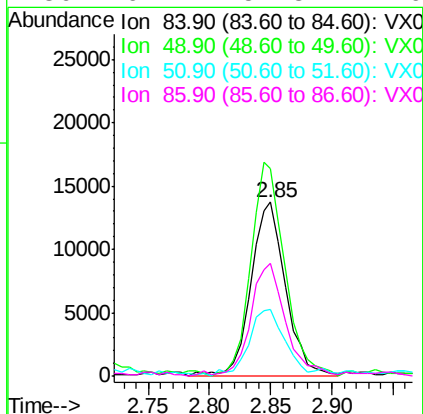
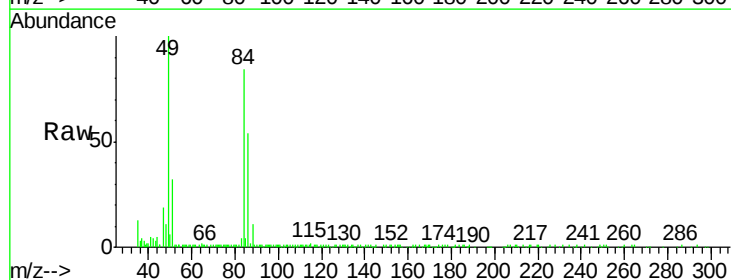
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

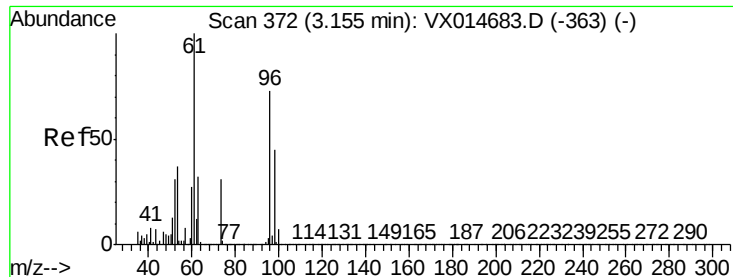
Tgt Ion: 73 Resp: 68521  
Ion Ratio Lower Upper  
73 100  
57 24.0 18.0 27.0



#20  
Methylene Chloride  
Concen: 5.66 ug/l  
RT: 2.85 min Scan# 322  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion: 84 Resp: 27195  
Ion Ratio Lower Upper  
84 100  
49 119.6 98.2 147.4  
51 37.4 31.3 46.9  
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 4.89 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

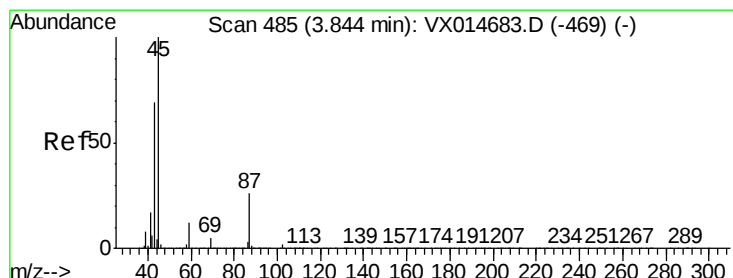
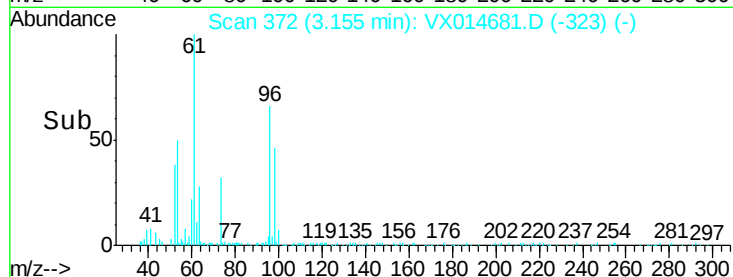
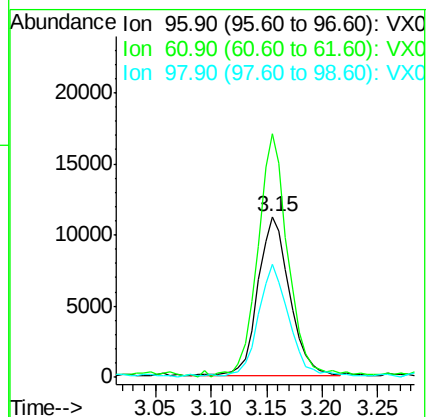
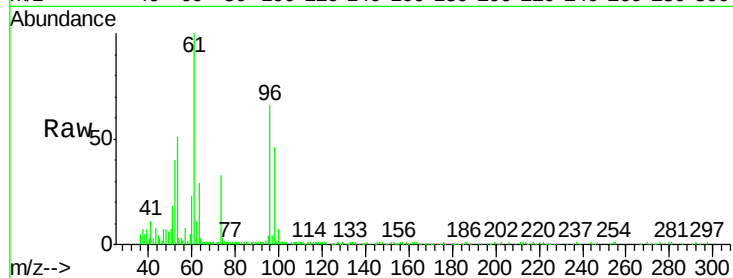
Tgt Ion: 96 Resp: 22504

Ion Ratio Lower Upper

96 100

61 151.0 109.8 164.6

98 68.9 49.6 74.4



#22

Diisopropyl ether

Concen: 5.27 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion: 45 Resp: 76061

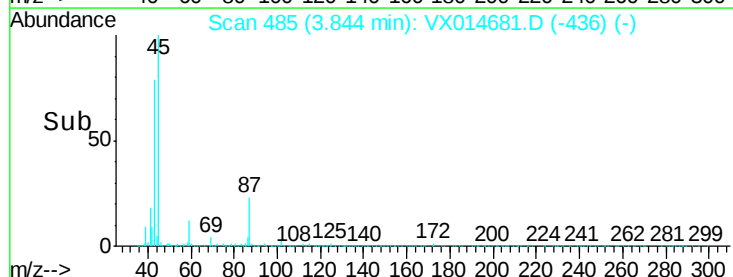
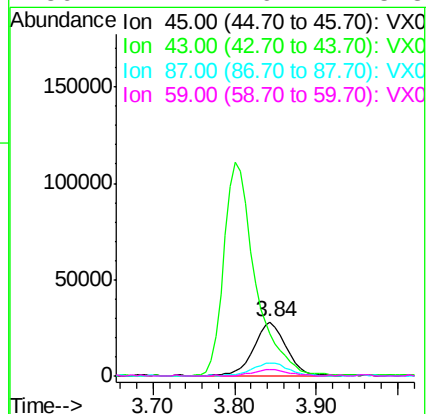
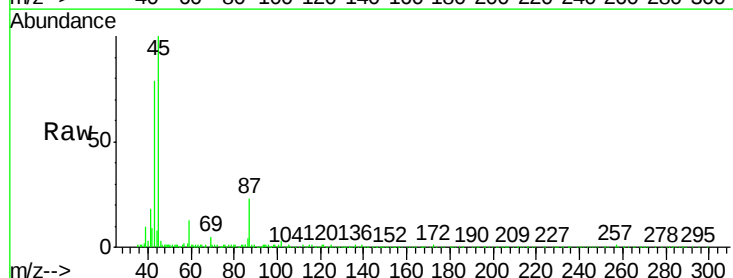
Ion Ratio Lower Upper

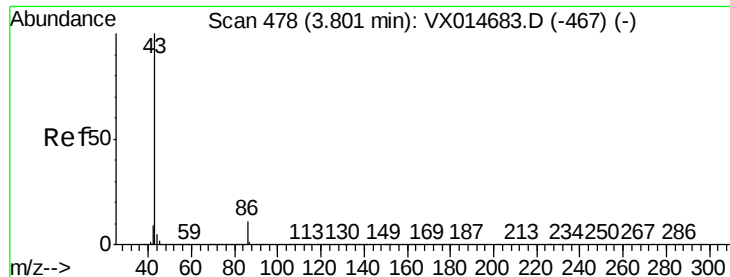
45 100

43 78.7 55.1 82.7

87 22.8 20.7 31.1

59 12.2 9.2 13.8





#23

Vinyl Acetate

Concen: 26.61 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

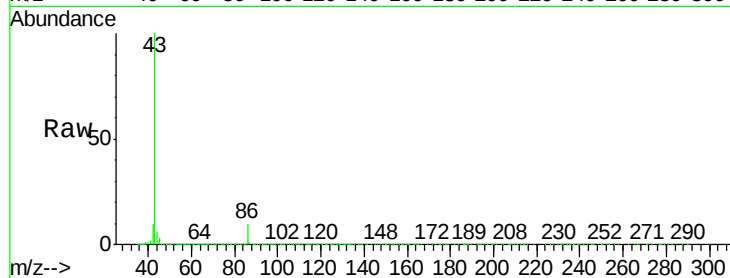
VSTDIC005

Tgt Ion: 43 Resp: 295536

Ion Ratio Lower Upper

43 100

86 10.1 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

120000

100000

80000

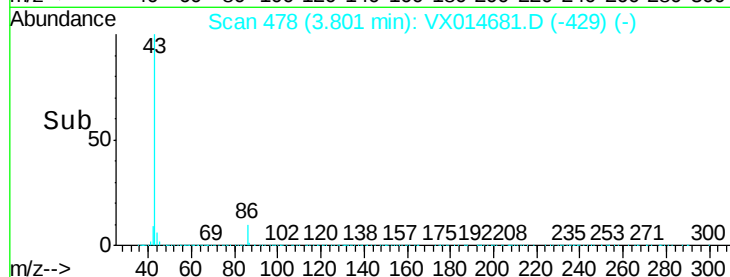
60000

40000

20000

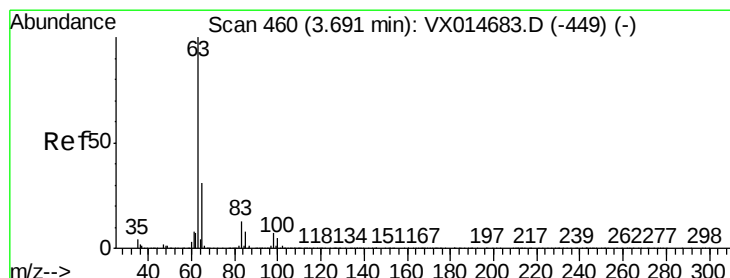
0

Time-->



3.80

3.70 3.80 3.90



#24

1,1-Dichloroethane

Concen: 5.37 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

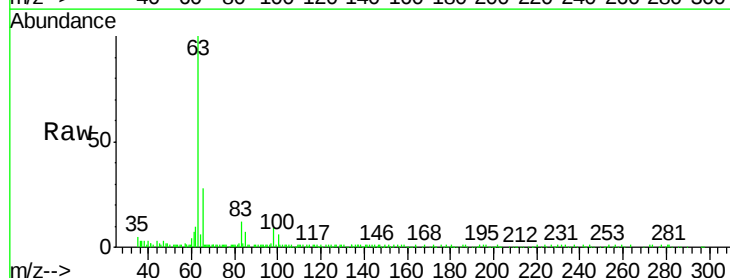
Tgt Ion: 63 Resp: 42005

Ion Ratio Lower Upper

63 100

98 9.2 3.6 10.8

100 5.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

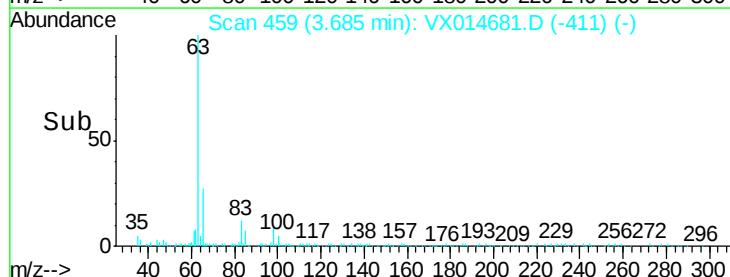
15000

10000

5000

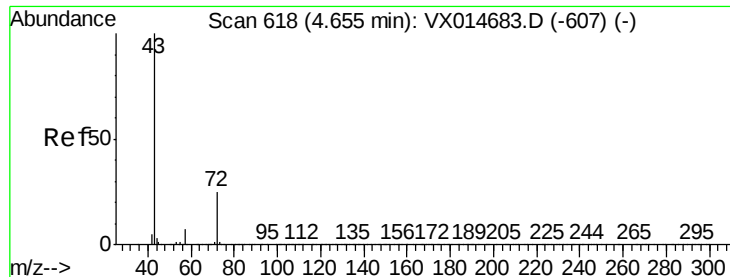
0

Time-->



3.69

3.60 3.65 3.70 3.75 3.80



#25

2-Butanone

Concen: 27.30 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

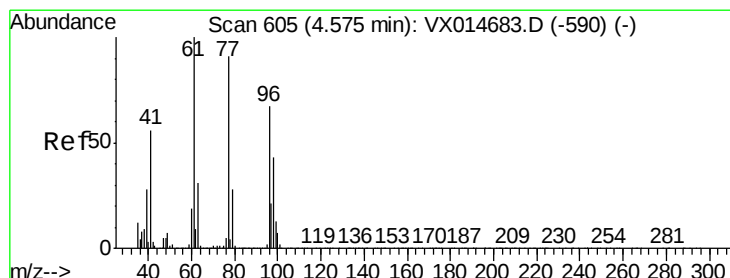
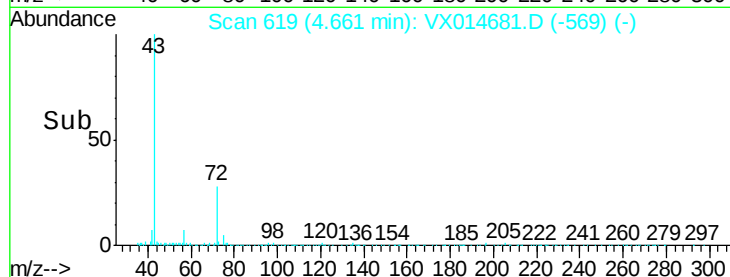
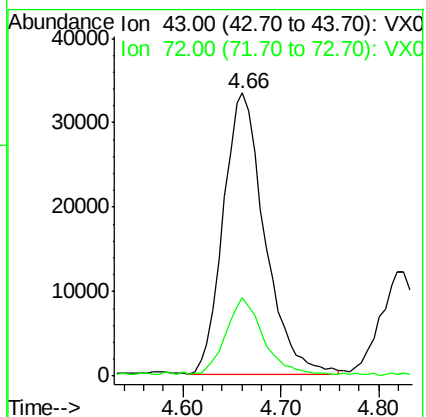
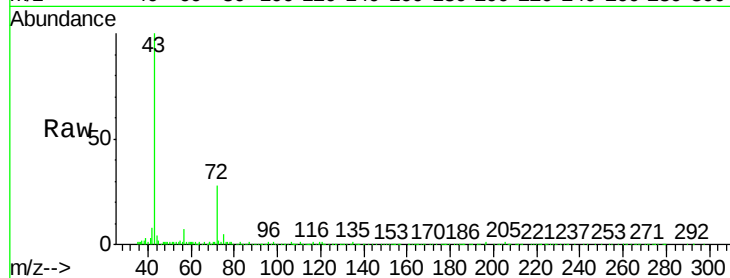
VSTDIC005

Tgt Ion: 43 Resp: 97813

Ion Ratio Lower Upper

43 100

72 27.3 19.9 29.9



#26

2,2-Dichloropropane

Concen: 4.77 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014681.D

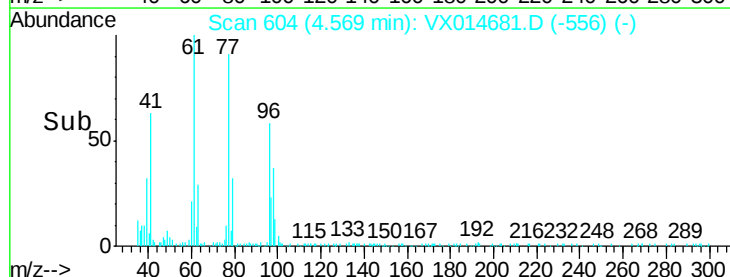
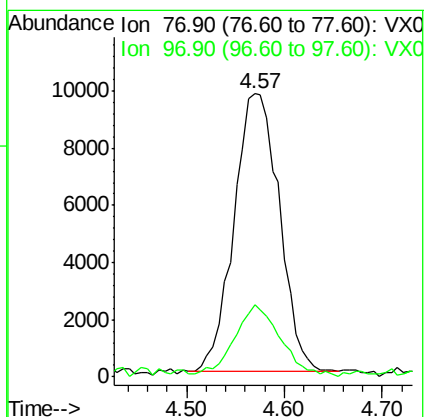
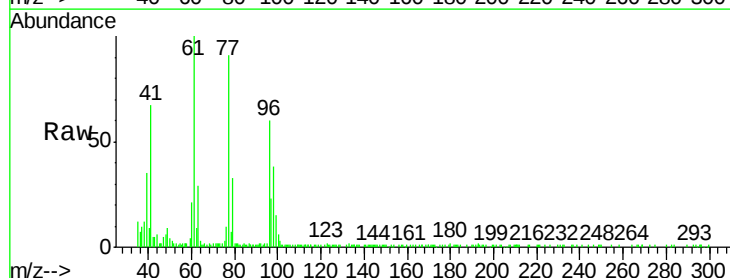
Acq: 22 Jan 2020 10:41

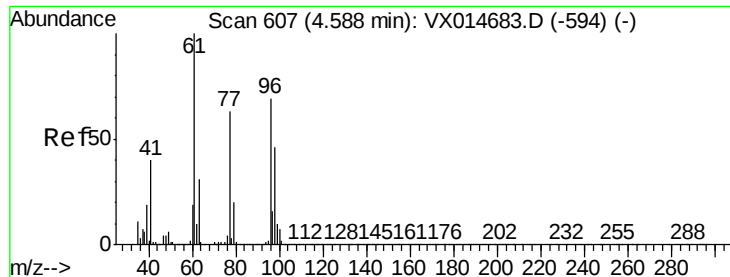
Tgt Ion: 77 Resp: 31339

Ion Ratio Lower Upper

77 100

97 26.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 4.96 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

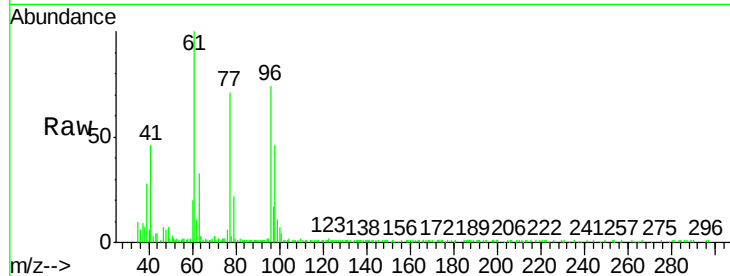
Tgt Ion: 96 Resp: 25526

Ion Ratio Lower Upper

96 100

61 155.6 0.0 291.0

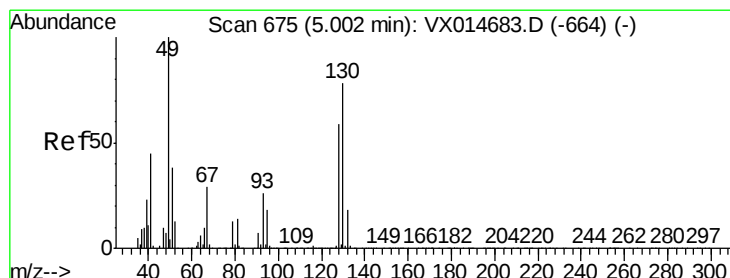
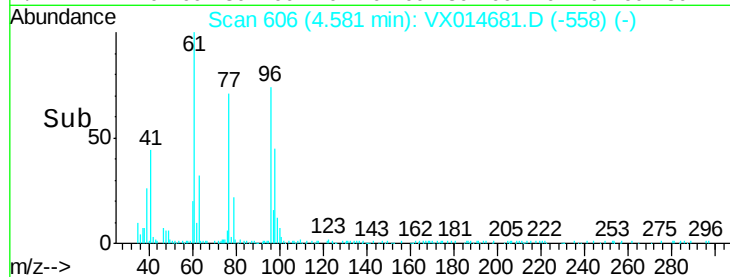
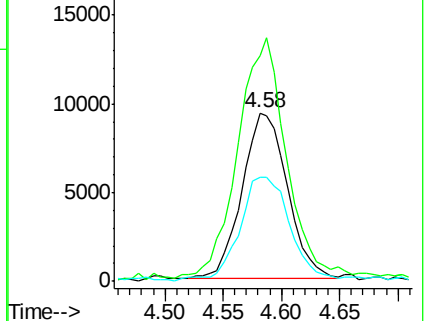
98 69.6 0.0 129.8



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



#28

Bromochloromethane

Concen: 5.49 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

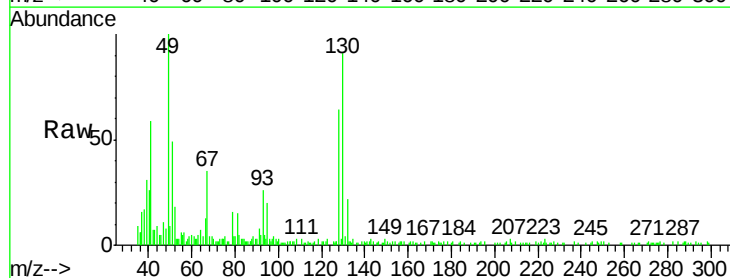
Tgt Ion: 49 Resp: 18131

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.8

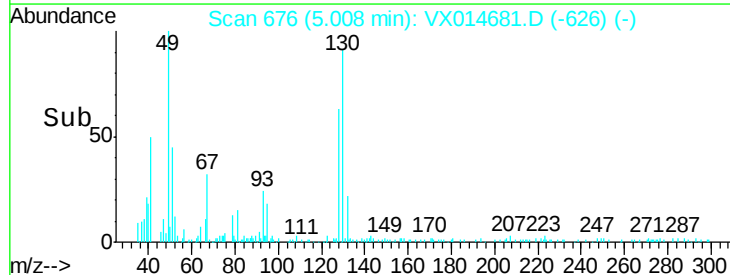
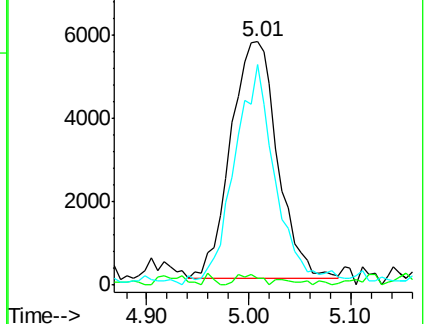
130 83.4 62.4 93.6

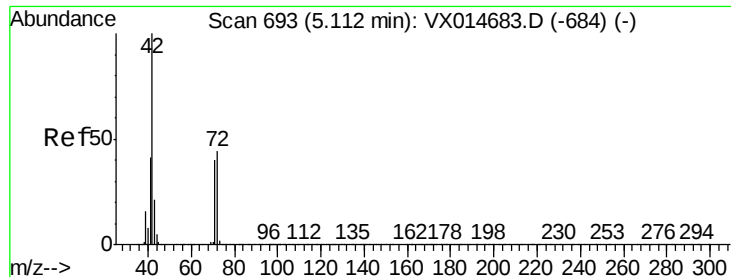


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 27.53 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

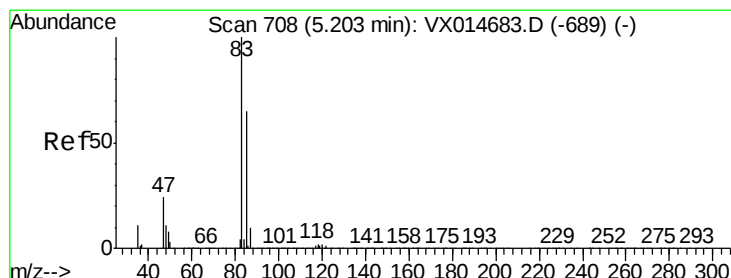
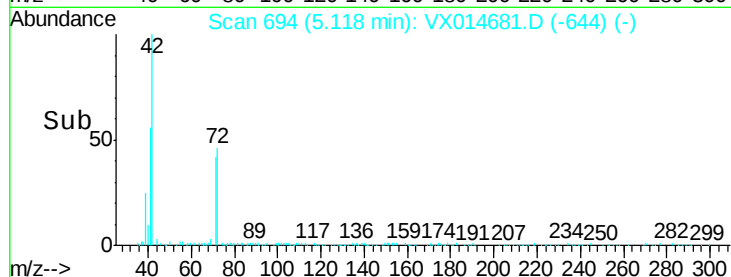
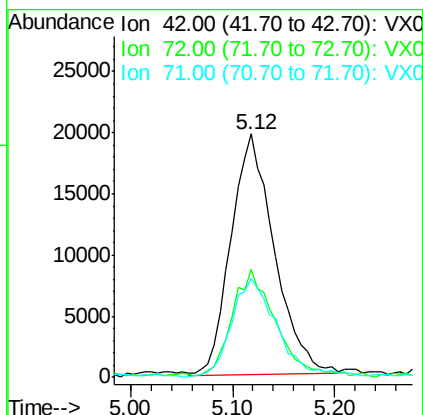
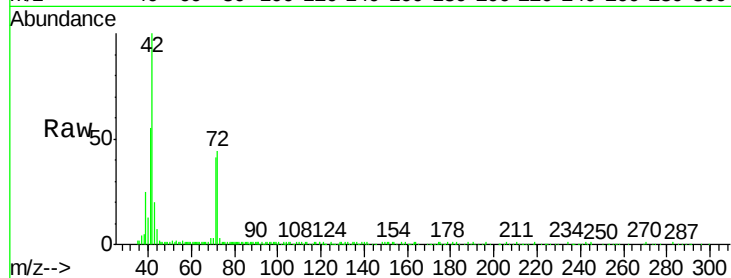
Tgt Ion: 42 Resp: 58245

Ion Ratio Lower Upper

42 100

72 45.9 35.3 52.9

71 42.2 33.1 49.7



#30

Chloroform

Concen: 5.61 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014681.D

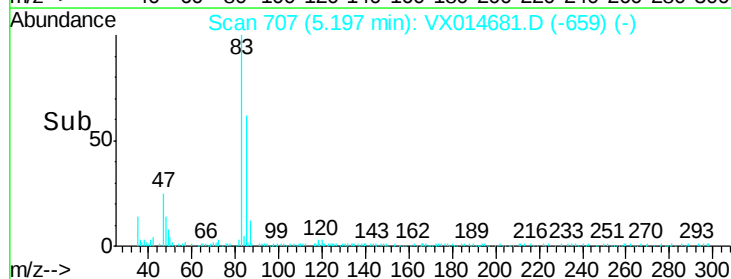
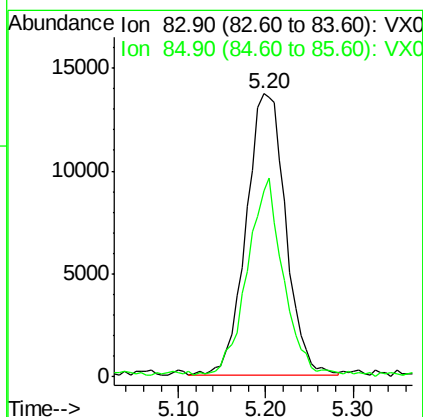
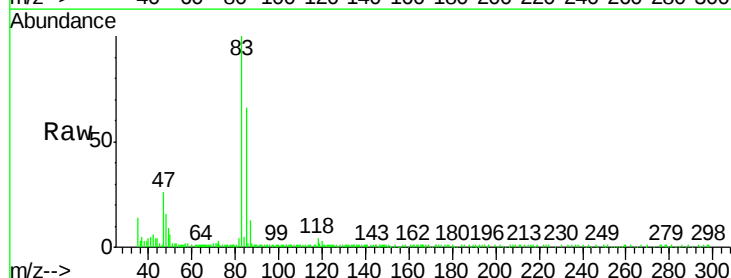
Acq: 22 Jan 2020 10:41

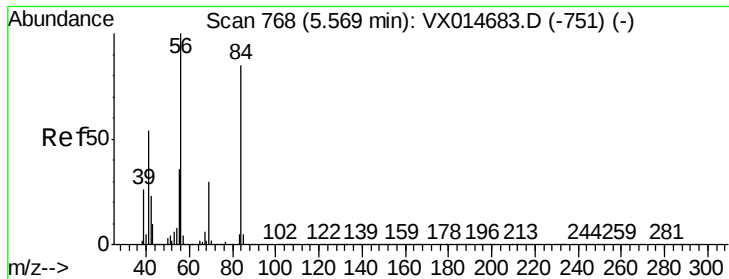
Tgt Ion: 83 Resp: 42893

Ion Ratio Lower Upper

83 100

85 64.6 51.7 77.5

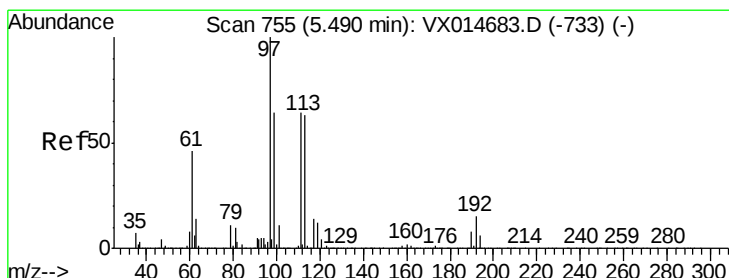
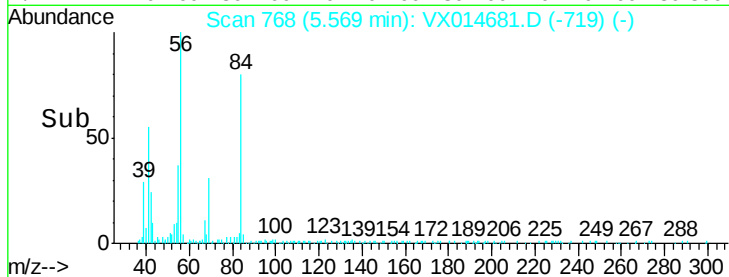
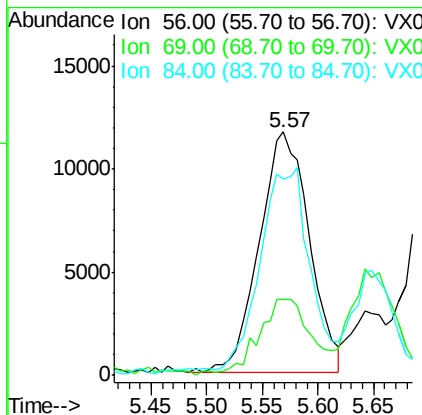
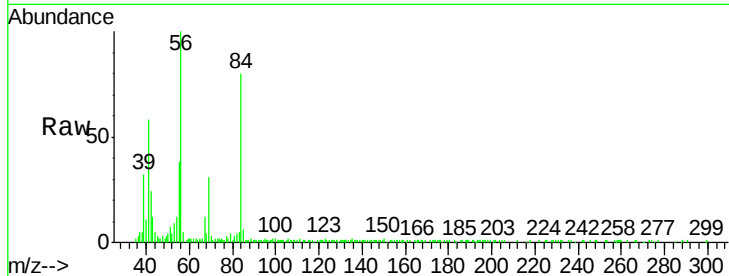




#31  
Cyclohexane  
Concen: 4.95 ug/l  
RT: 5.57 min Scan# 768  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

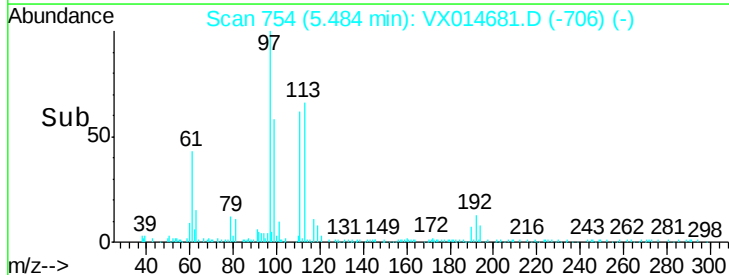
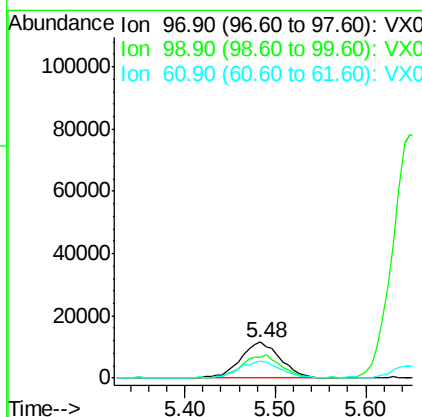
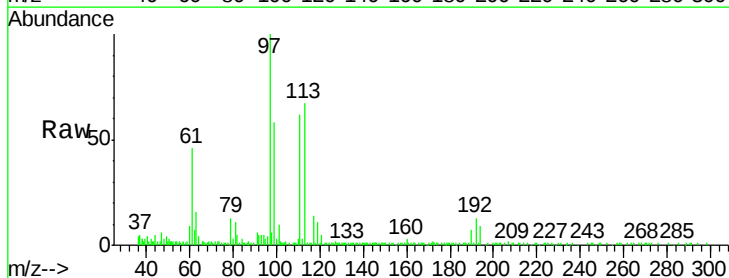
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

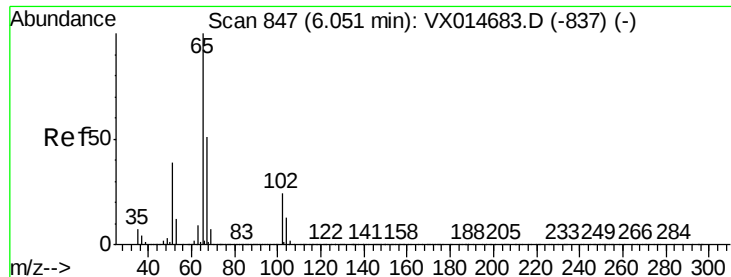
Tgt Ion: 56 Resp: 36222  
Ion Ratio Lower Upper  
56 100  
69 29.0 23.4 35.2  
84 79.4 68.4 102.6



#32  
1,1,1-Trichloroethane  
Concen: 5.29 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion: 97 Resp: 34426  
Ion Ratio Lower Upper  
97 100  
99 64.2 52.3 78.5  
61 45.4 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 5.51 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

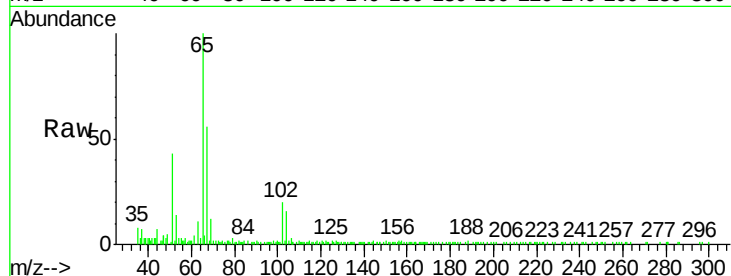
VSTDIC005

Tgt Ion: 65 Resp: 26447

Ion Ratio Lower Upper

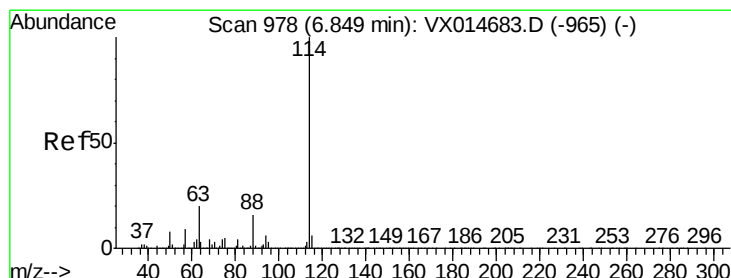
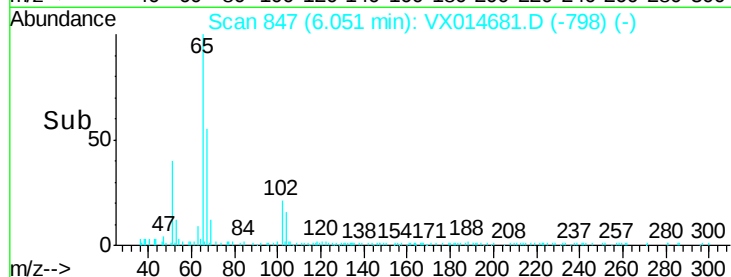
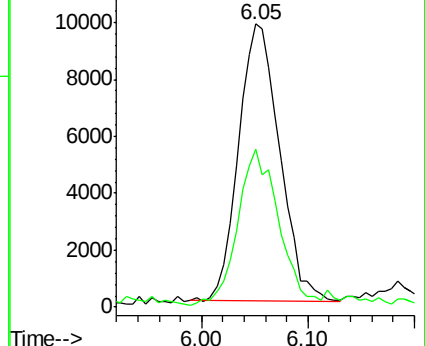
65 100

67 55.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

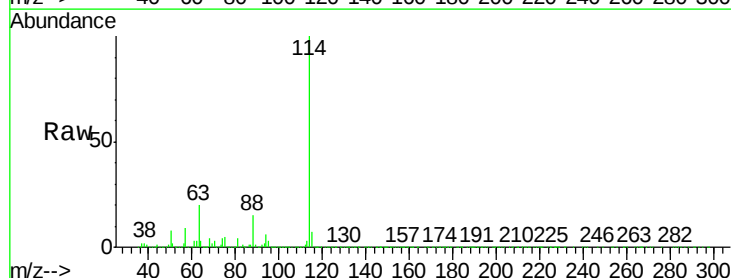
Tgt Ion: 114 Resp: 656055

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.6

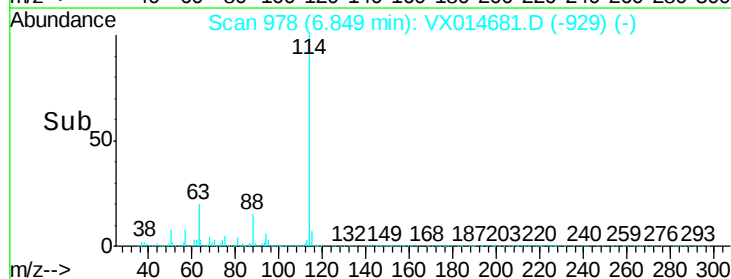
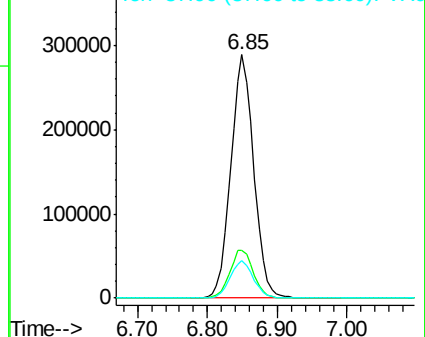
88 15.1 0.0 31.2

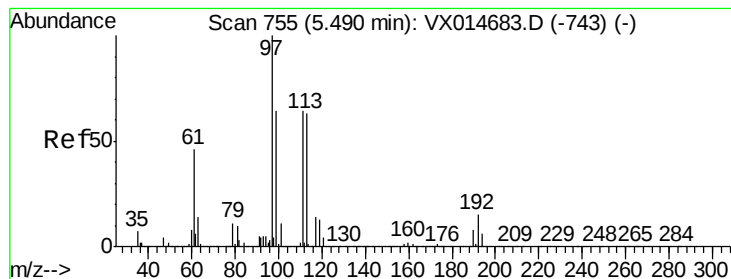


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 5.48 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

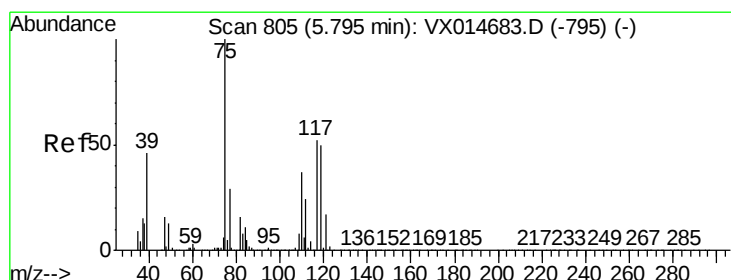
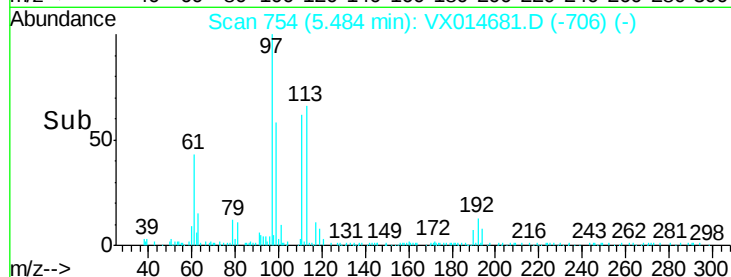
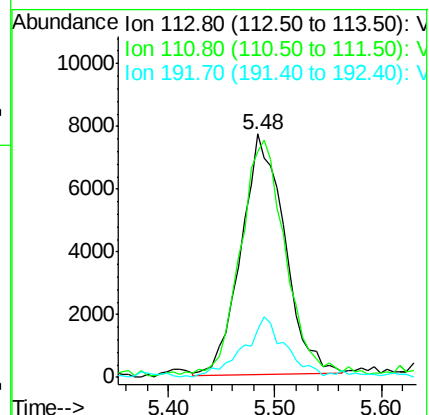
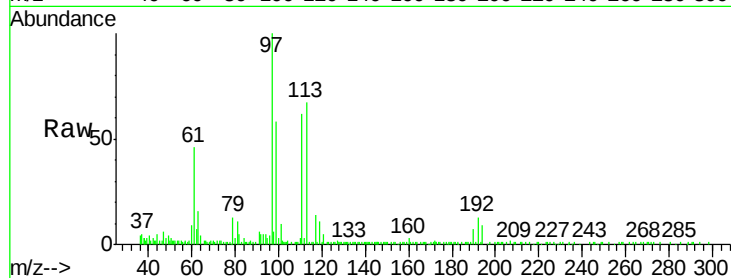
Tgt Ion:113 Resp: 21986

Ion Ratio Lower Upper

113 100

111 99.8 80.7 121.1

192 24.7 18.5 27.7



#36

1,1-Dichloropropene

Concen: 4.80 ug/l

RT: 5.79 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

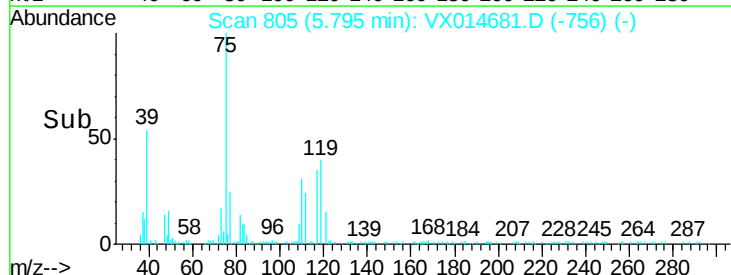
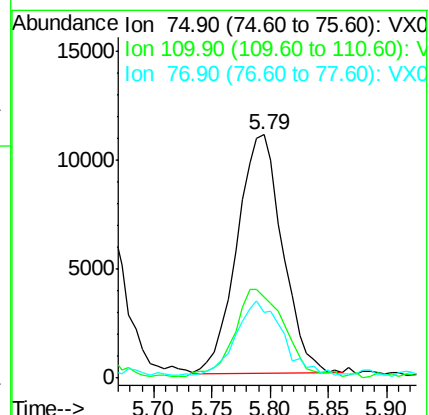
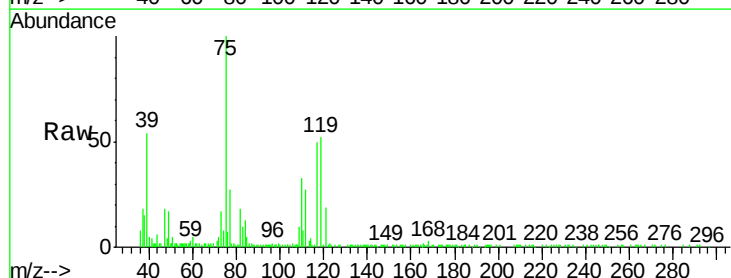
Tgt Ion: 75 Resp: 29864

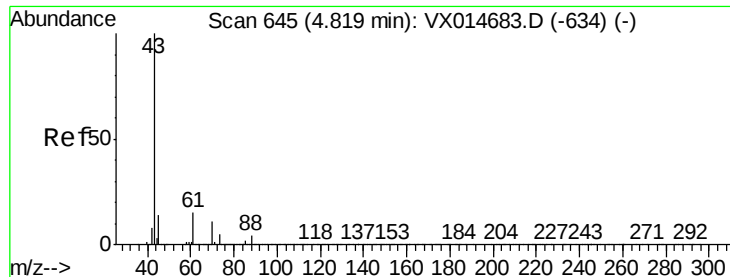
Ion Ratio Lower Upper

75 100

110 40.9 17.9 53.7

77 32.0 24.1 36.1

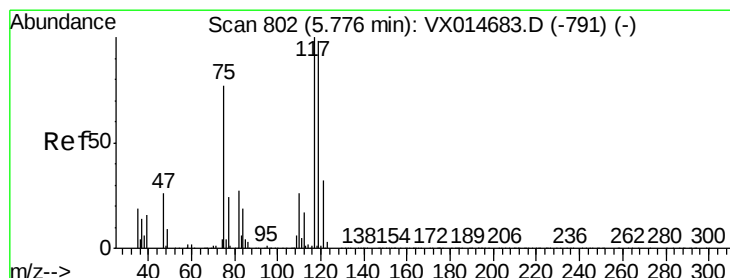
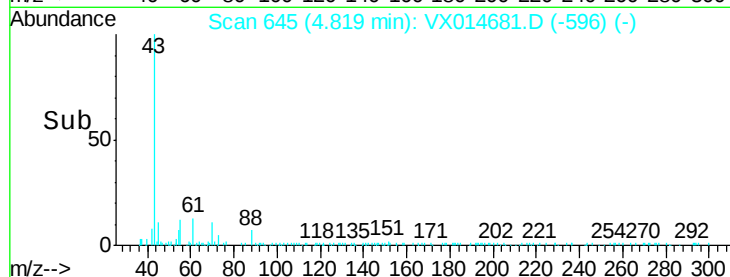
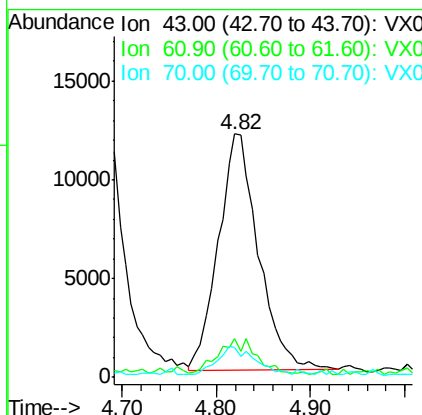
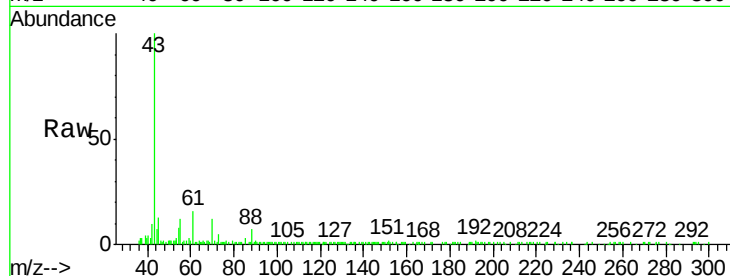




#37  
Ethyl Acetate  
Concen: 5.21 ug/l  
RT: 4.82 min Scan# 645  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

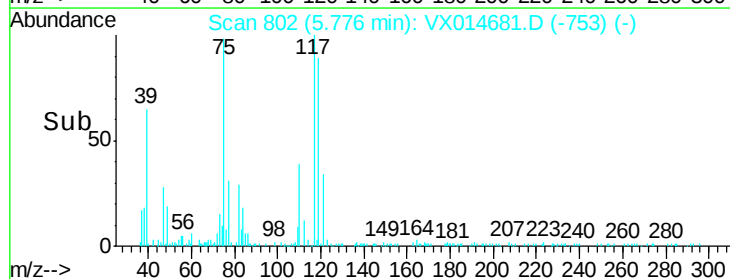
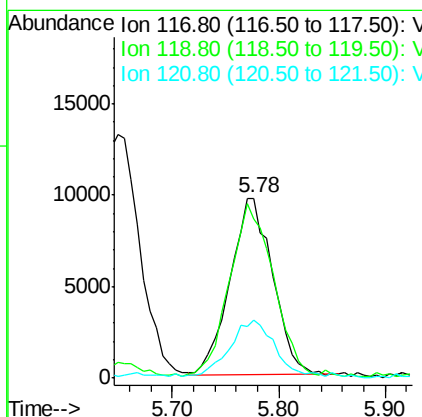
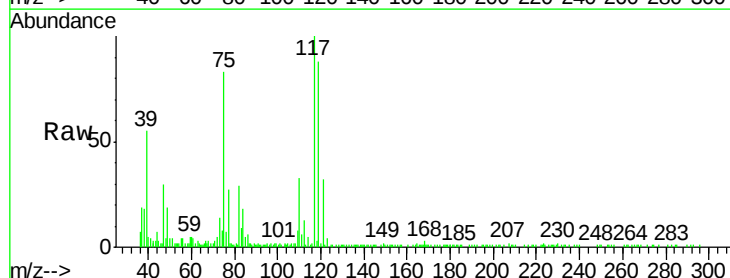
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 43 Resp: 35222  
Ion Ratio Lower Upper  
43 100  
61 13.3 11.0 16.4  
70 11.0 8.5 12.7



#38  
Carbon Tetrachloride  
Concen: 4.74 ug/l  
RT: 5.78 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion: 117 Resp: 27057  
Ion Ratio Lower Upper  
117 100  
119 88.9 77.9 116.9  
121 31.3 25.4 38.2

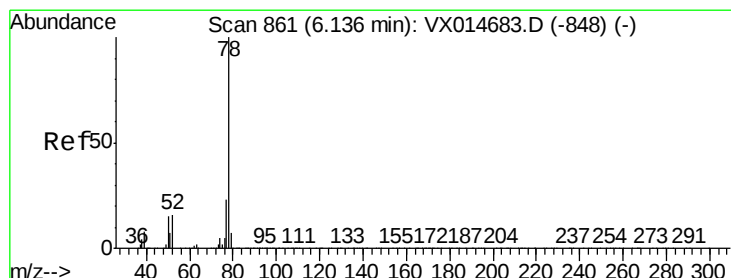
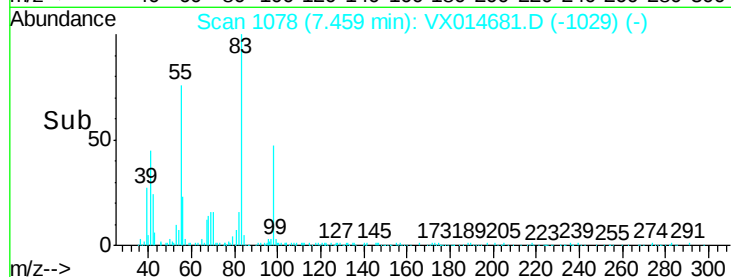
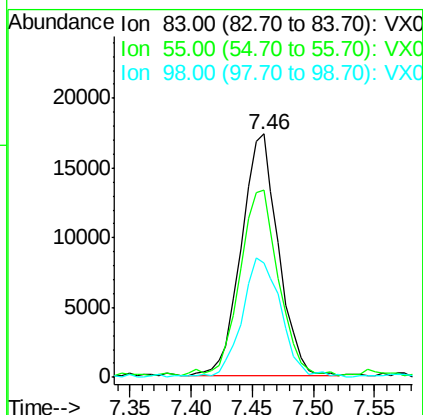
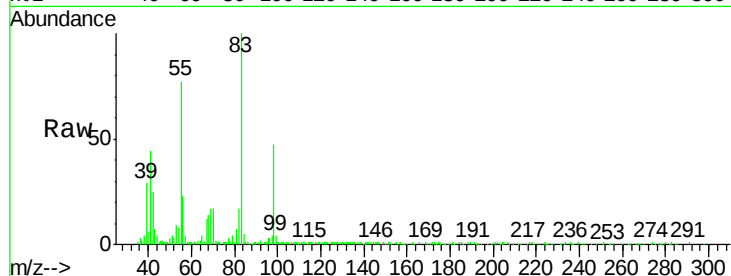




#39  
Methylcyclohexane  
Concen: 4.72 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

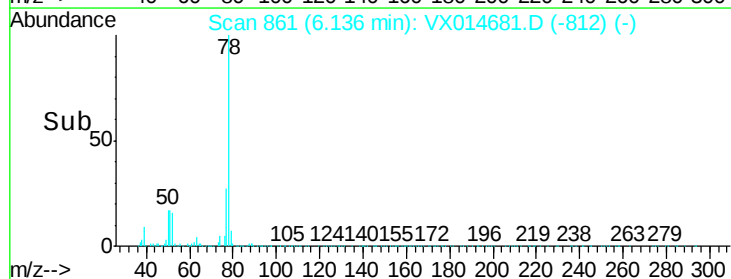
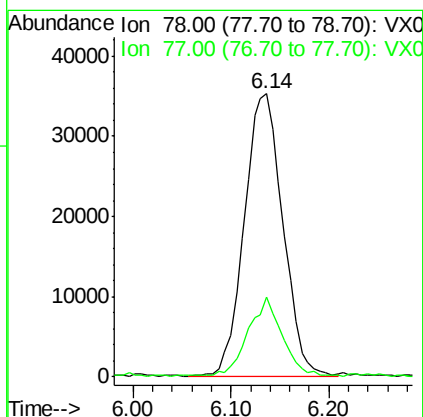
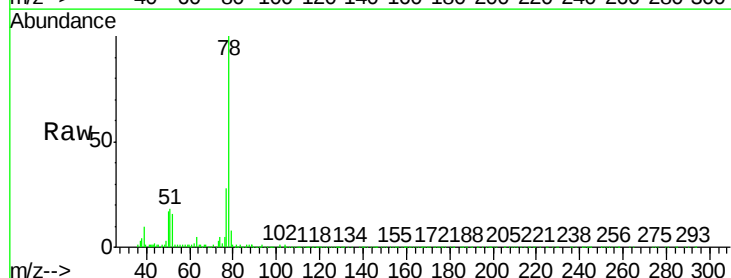
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

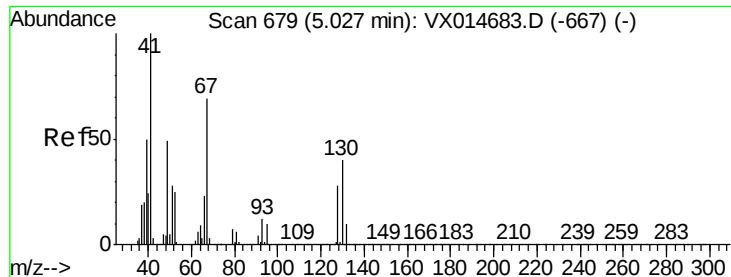
Tgt Ion: 83 Resp: 36740  
Ion Ratio Lower Upper  
83 100  
55 76.2 65.6 98.4  
98 46.7 40.2 60.4



#40  
Benzene  
Concen: 5.18 ug/l  
RT: 6.14 min Scan# 861  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion: 78 Resp: 95883  
Ion Ratio Lower Upper  
78 100  
77 27.6 18.7 28.1

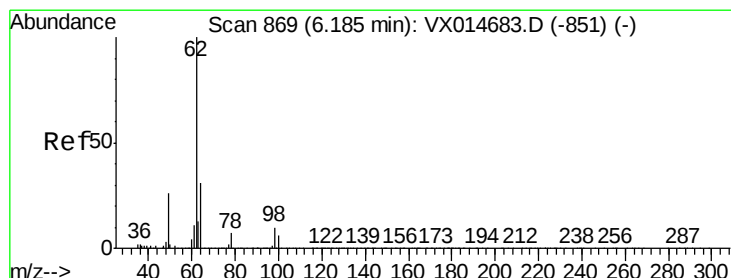
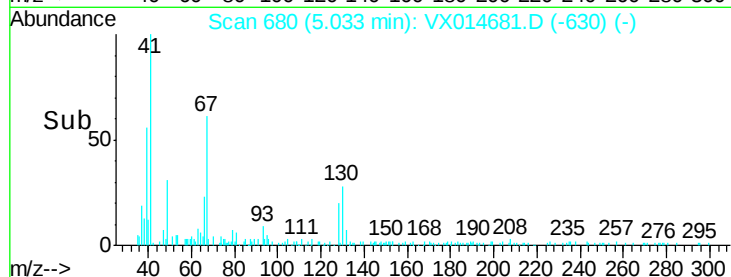
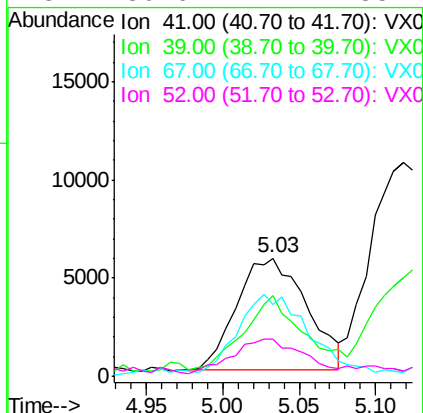
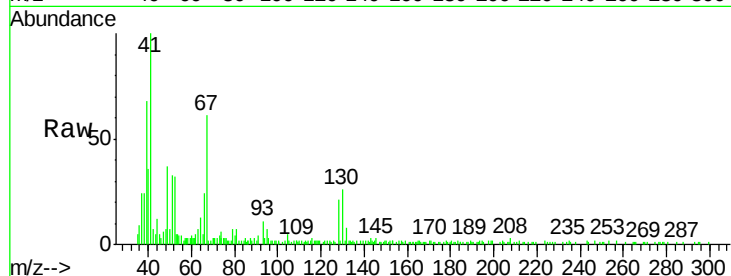




#41  
Methacrylonitrile  
Concen: 5.01 ug/l  
RT: 5.03 min Scan# 680  
Delta R.T. 0.01 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

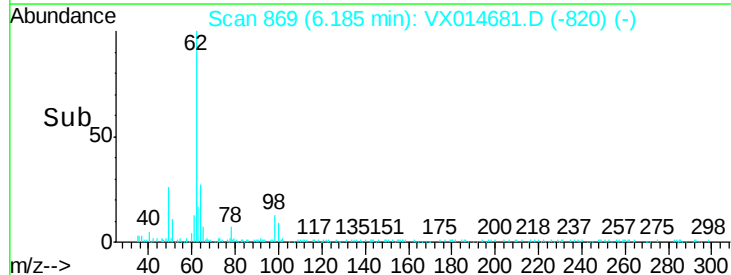
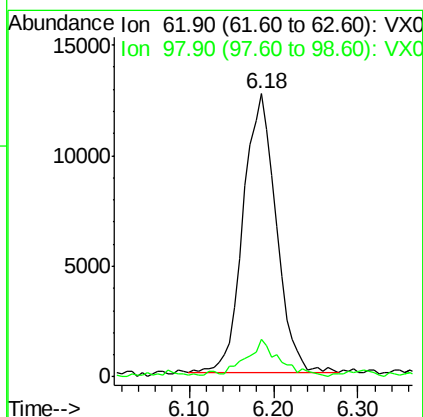
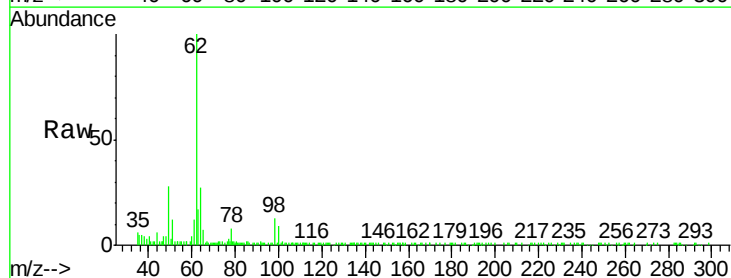
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

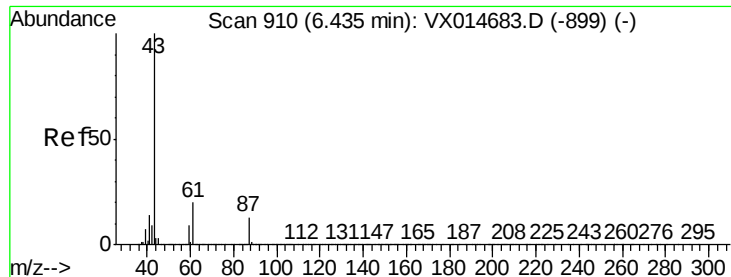
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 18178 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.7  | 42.2  | 63.2  |
| 67       | 67.7  | 55.4  | 83.0  |
| 52       | 30.6  | 22.1  | 33.1  |



#42  
1,2-Dichloroethane  
Concen: 5.15 ug/l  
RT: 6.18 min Scan# 869  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 33365 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 14.0  | 0.0   | 20.0  |





#43

Isopropyl Acetate

Concen: 5.03 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

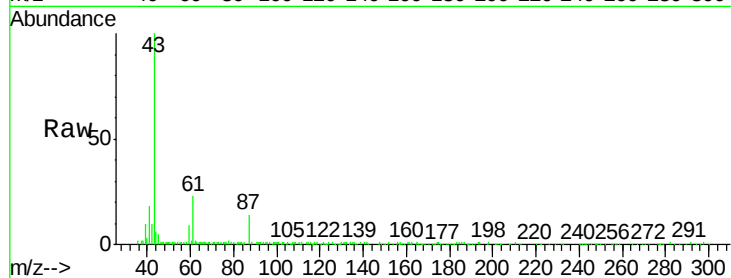
Tgt Ion: 43 Resp: 55012

Ion Ratio Lower Upper

43 100

61 22.5 16.2 24.4

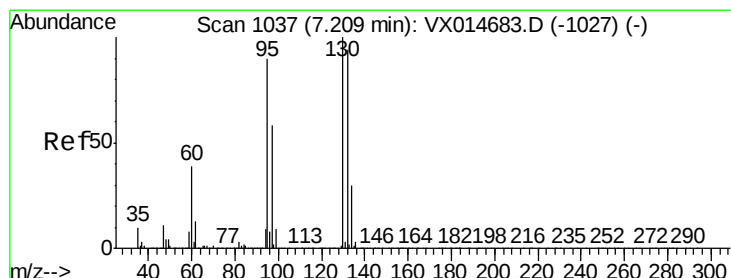
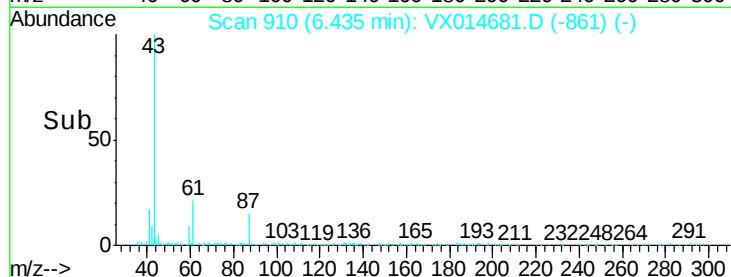
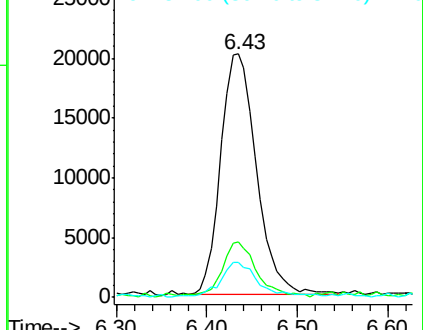
87 14.2 10.5 15.7



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: 5.21 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014681.D

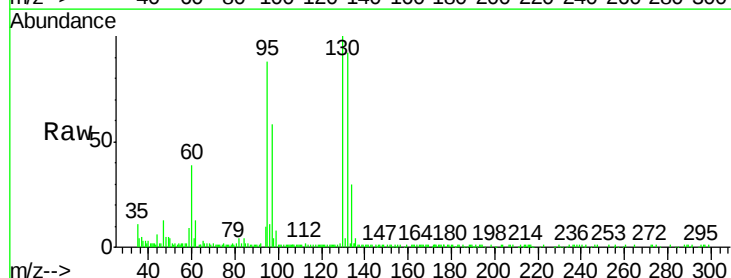
Acq: 22 Jan 2020 10:41

Tgt Ion: 130 Resp: 27564

Ion Ratio Lower Upper

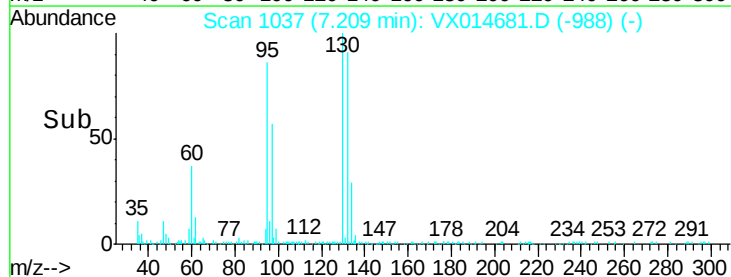
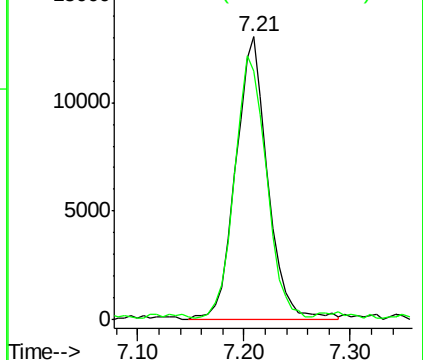
130 100

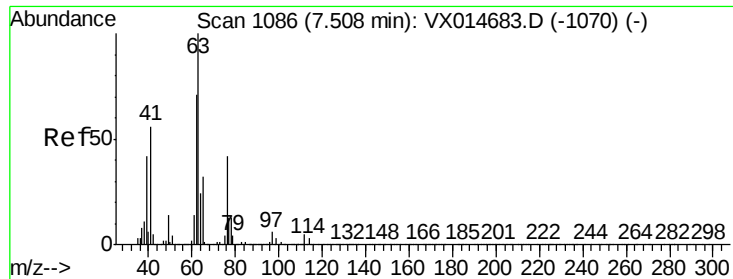
95 86.6 0.0 179.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

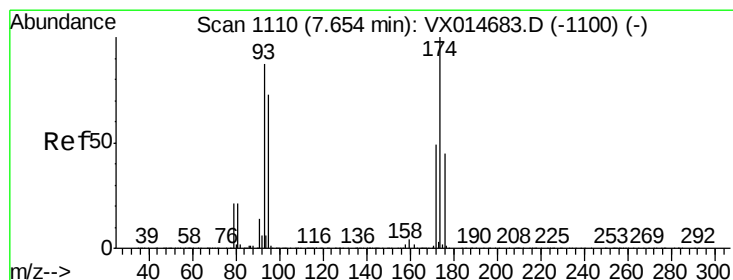
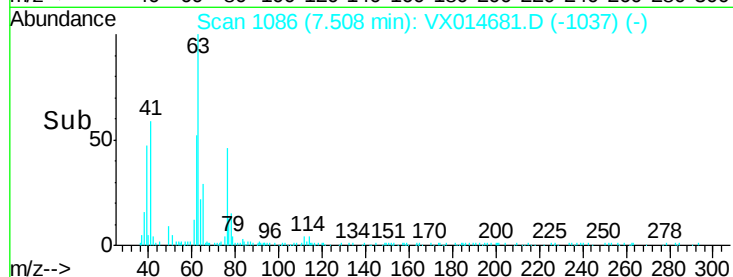
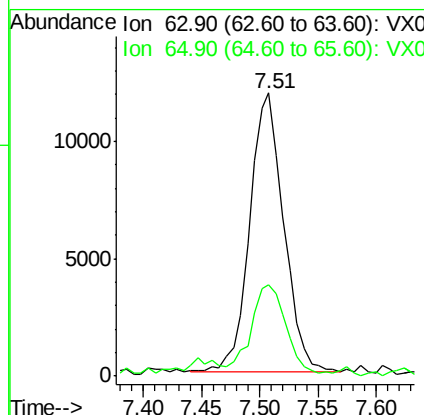
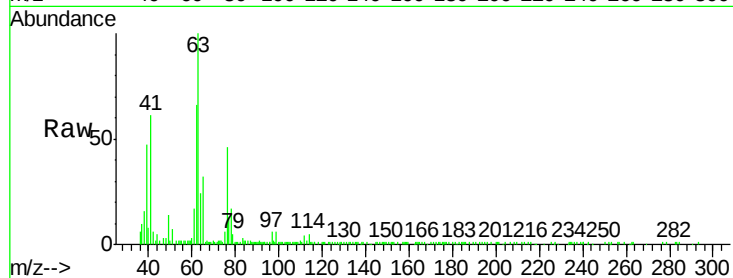




#45  
 1,2-Dichloropropane  
 Concen: 5.10 ug/l  
 RT: 7.51 min Scan# 1086  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

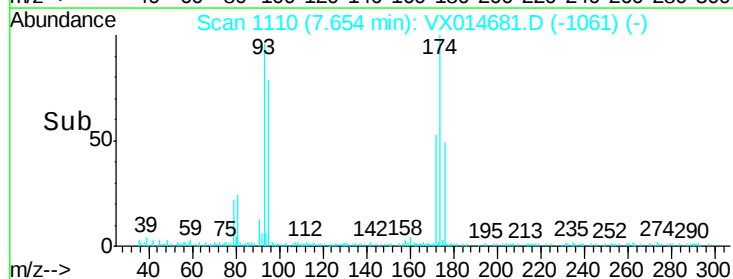
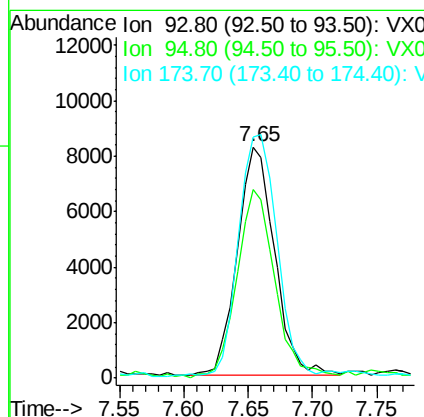
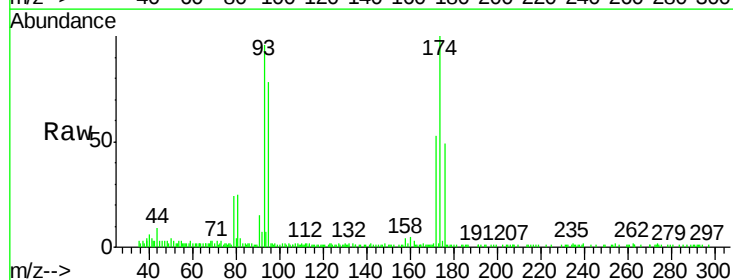
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

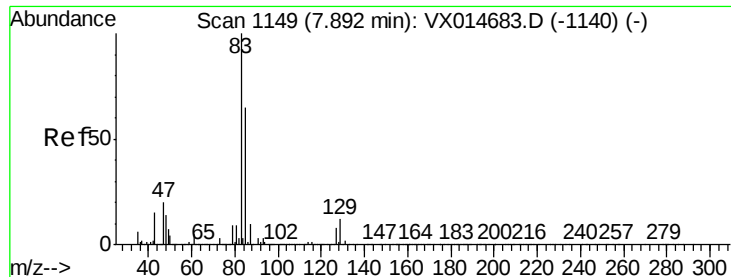
Tgt Ion: 63 Resp: 24097  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 25.2 37.8



#46  
 Dibromomethane  
 Concen: 5.08 ug/l  
 RT: 7.65 min Scan# 1110  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

Tgt Ion: 93 Resp: 16679  
 Ion Ratio Lower Upper  
 93 100  
 95 83.9 67.0 100.4  
 174 108.9 90.2 135.2





#47

Bromodichloromethane

Concen: 5.06 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

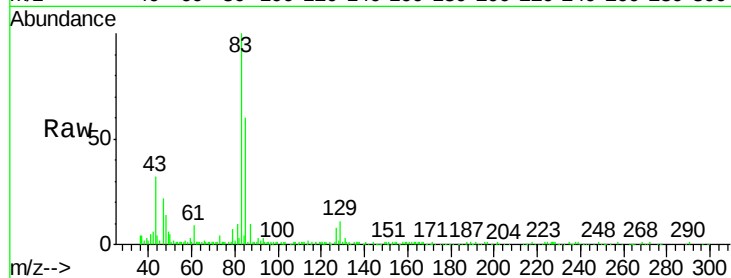
Tgt Ion: 83 Resp: 30309

Ion Ratio Lower Upper

83 100

85 59.4 52.2 78.2

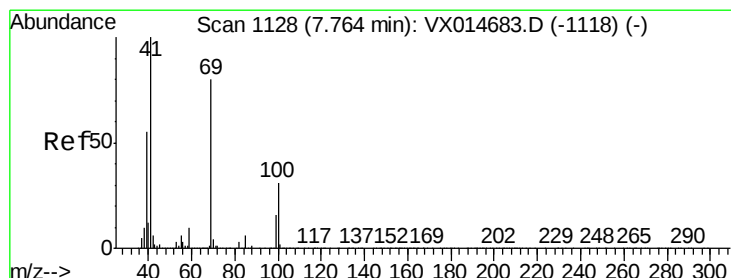
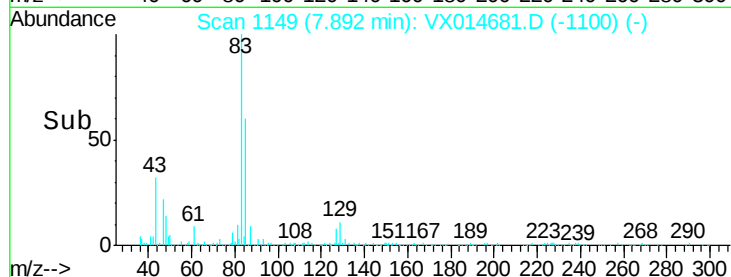
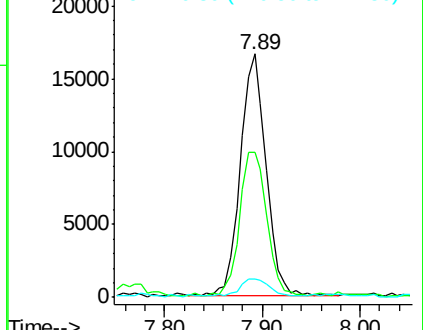
127 6.6 6.4 9.6



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: 5.06 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

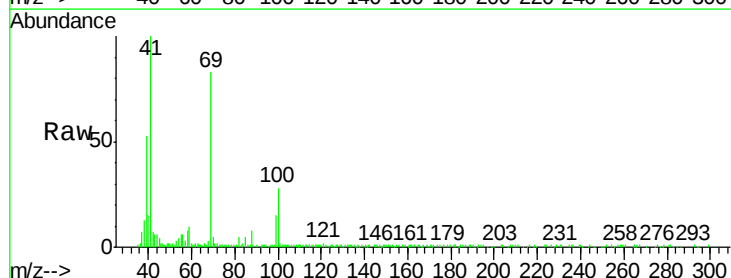
Tgt Ion: 41 Resp: 26601

Ion Ratio Lower Upper

41 100

69 76.5 63.5 95.3

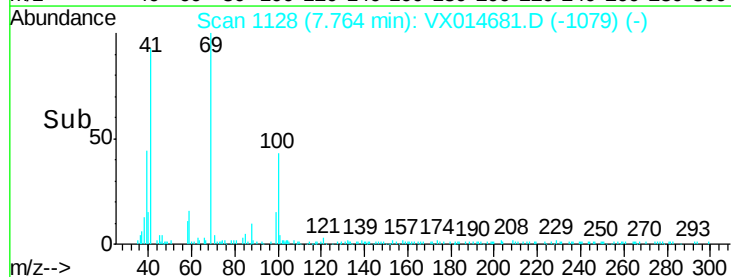
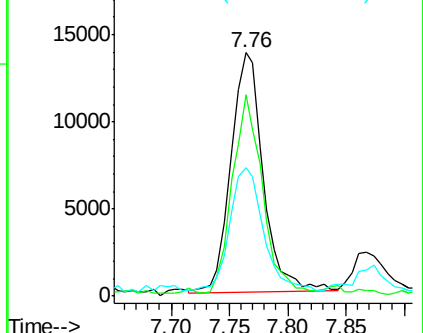
39 53.4 43.7 65.5

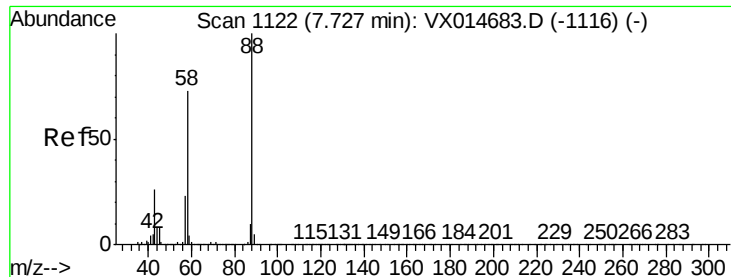


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 111.29 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

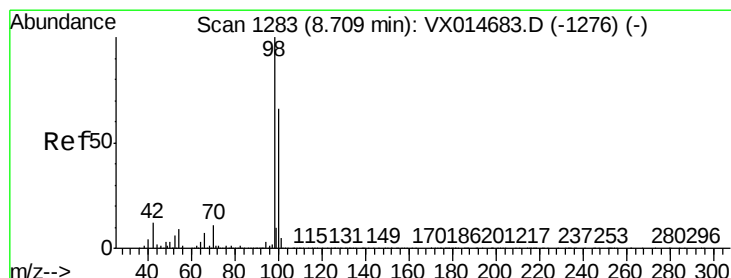
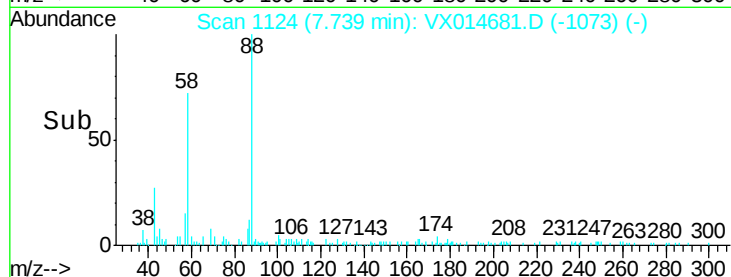
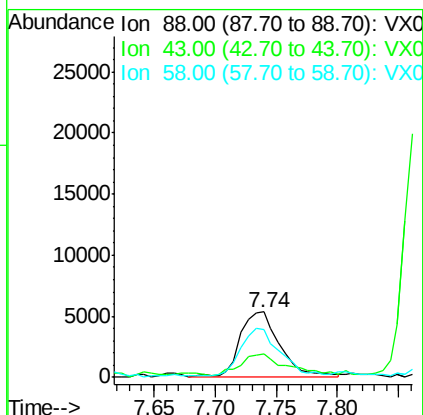
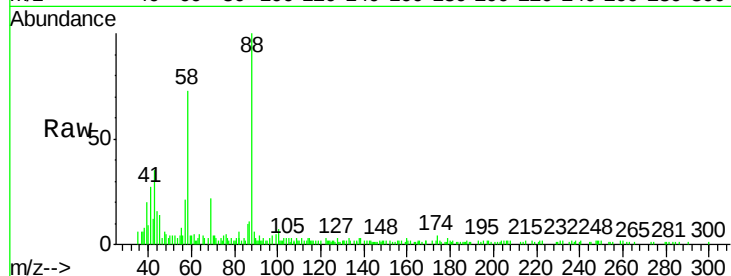
Tgt Ion: 88 Resp: 12190

Ion Ratio Lower Upper

88 100

43 39.8 26.2 39.2#

58 69.3 56.6 85.0



#50

Toluene-d8

Concen: 5.24 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014681.D

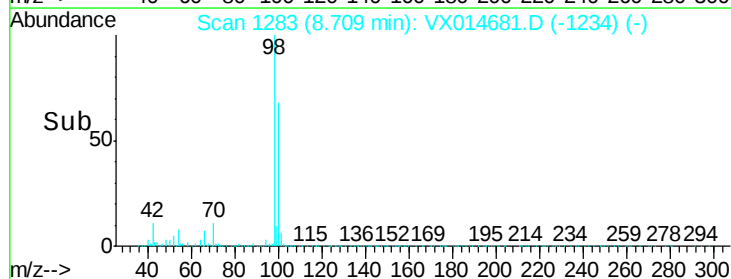
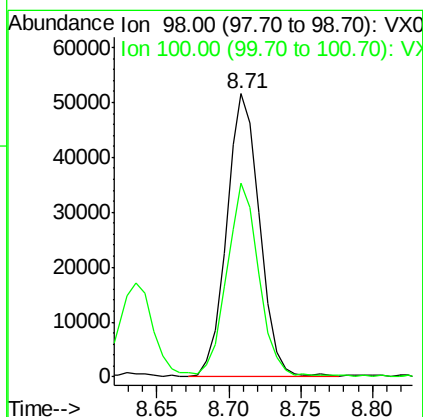
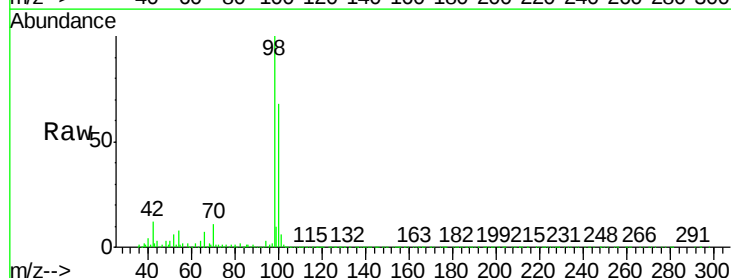
Acq: 22 Jan 2020 10:41

Tgt Ion: 98 Resp: 81547

Ion Ratio Lower Upper

98 100

100 66.8 53.0 79.6

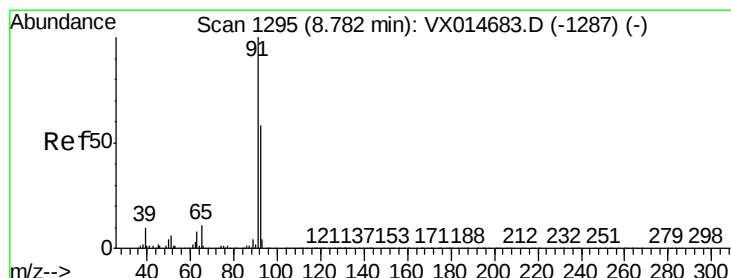
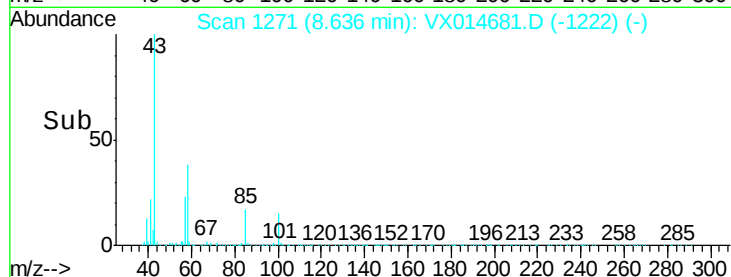
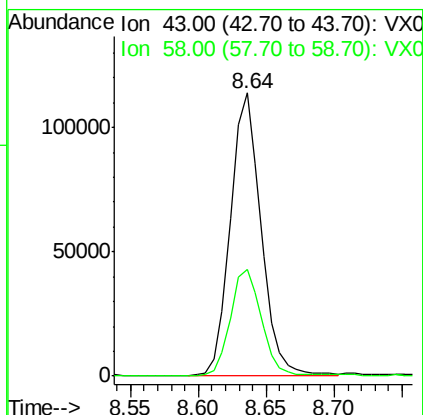
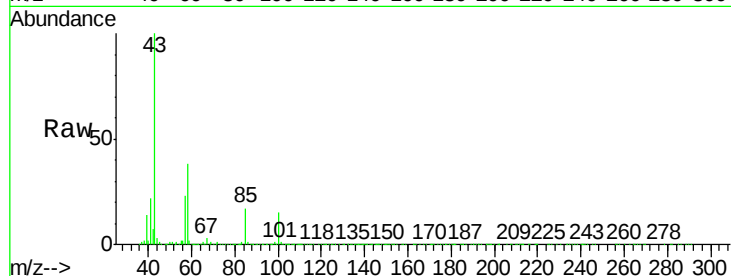




#51  
 4-Methyl-2-Pentanone  
 Concen: 26.65 ug/l  
 RT: 8.64 min Scan# 1271  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

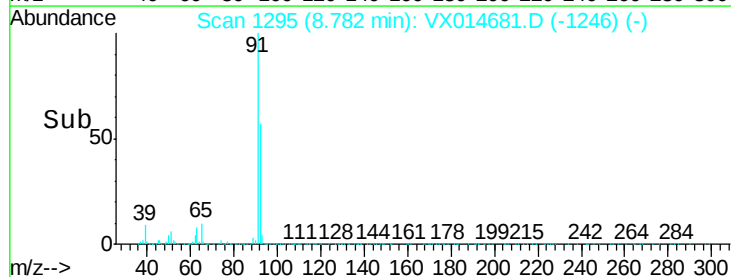
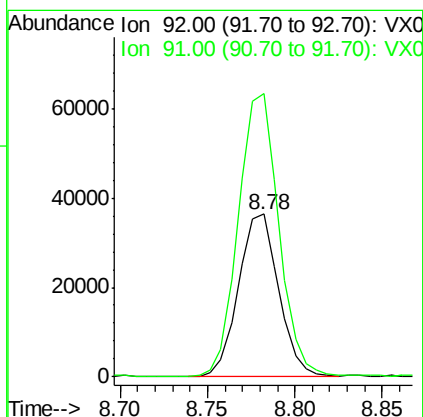
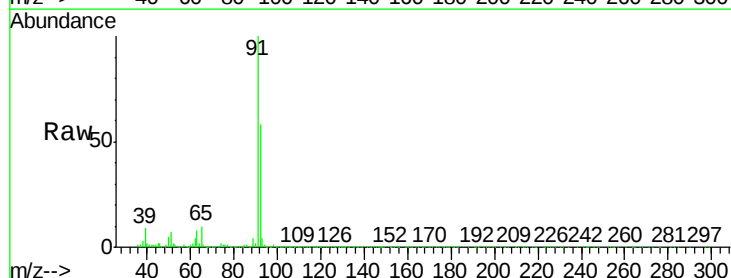
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

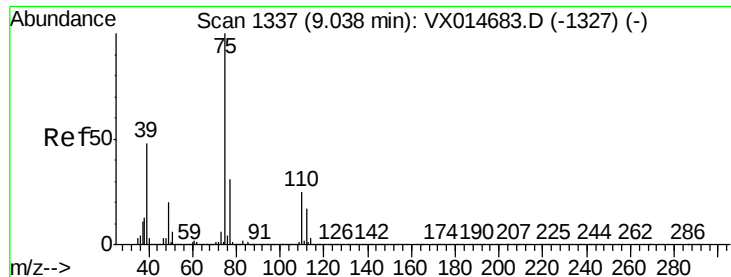
Tgt Ion: 43 Resp: 178108  
 Ion Ratio Lower Upper  
 43 100  
 58 38.4 31.6 47.4



#52  
 Toluene  
 Concen: 4.93 ug/l  
 RT: 8.78 min Scan# 1295  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

Tgt Ion: 92 Resp: 58131  
 Ion Ratio Lower Upper  
 92 100  
 91 175.3 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 4.28 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

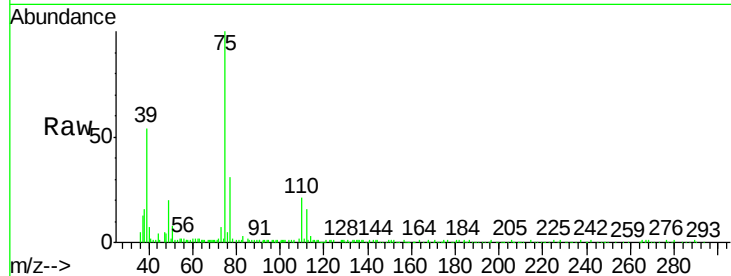
VSTDIC005

Tgt Ion: 75 Resp: 29636

Ion Ratio Lower Upper

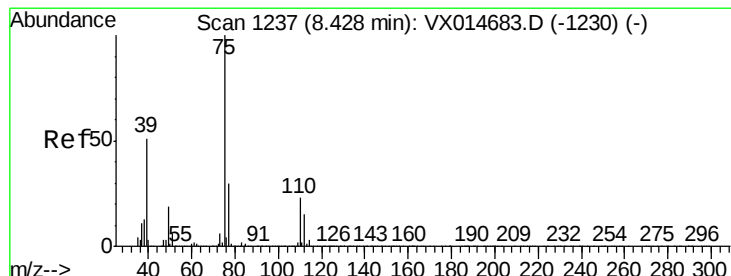
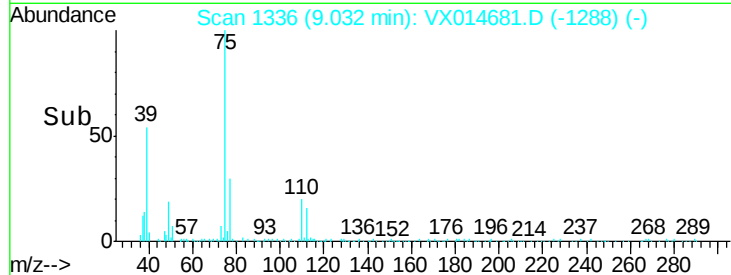
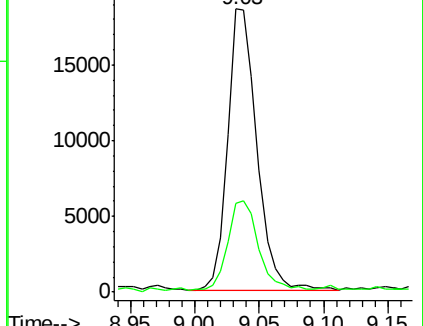
75 100

77 30.8 24.9 37.3



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: 4.43 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

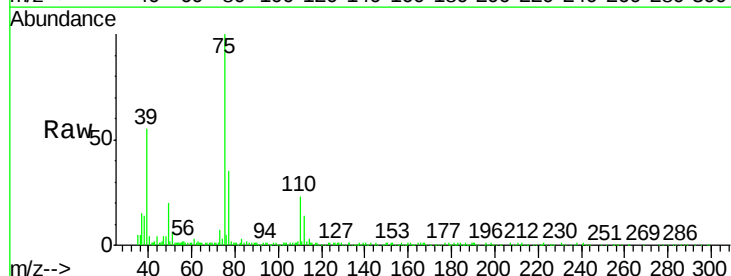
Tgt Ion: 75 Resp: 33229

Ion Ratio Lower Upper

75 100

77 34.3 23.9 35.9

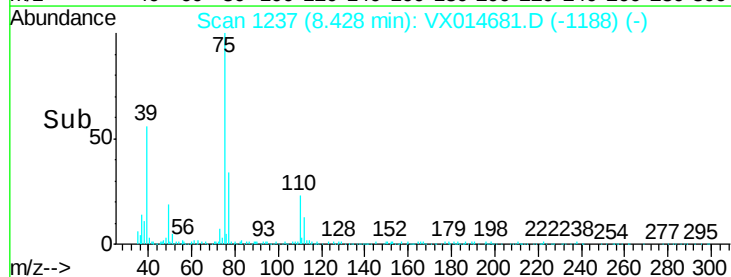
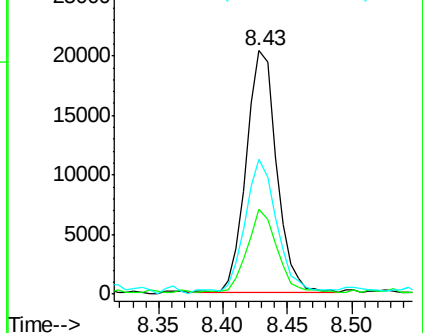
39 56.2 40.9 61.3

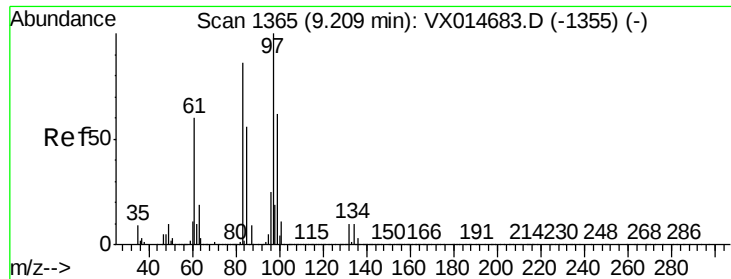


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

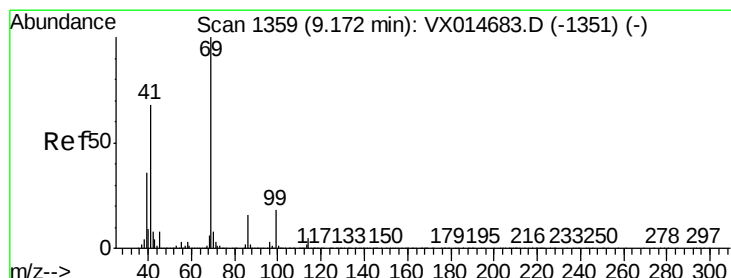
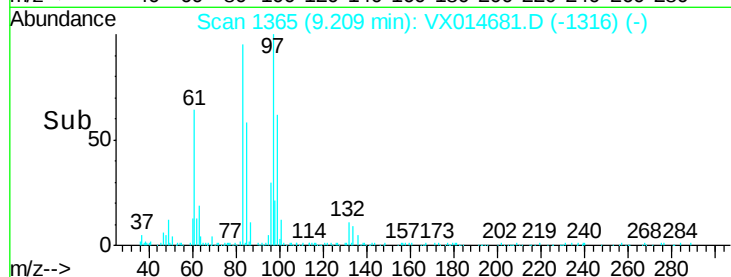
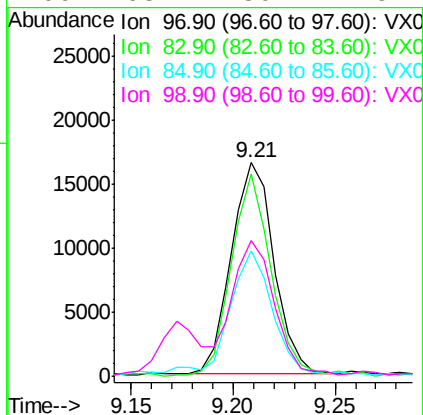
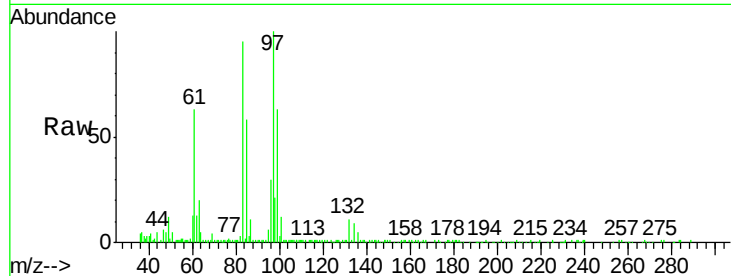




#55  
 1,1,2-Trichloroethane  
 Concen: 5.01 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

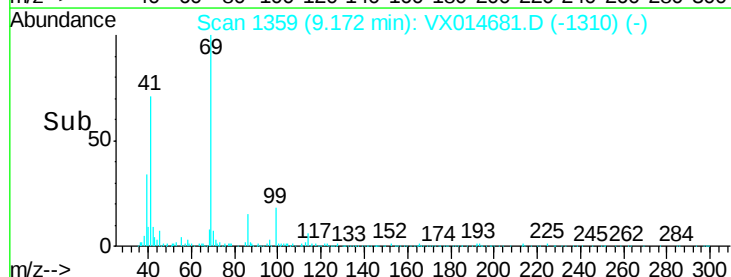
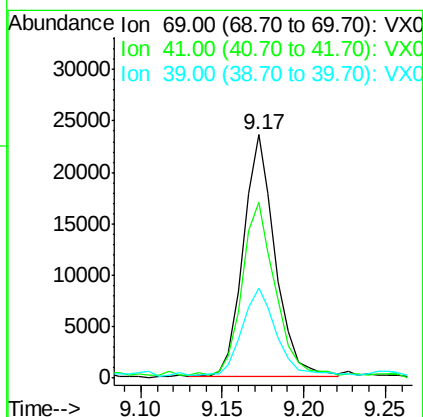
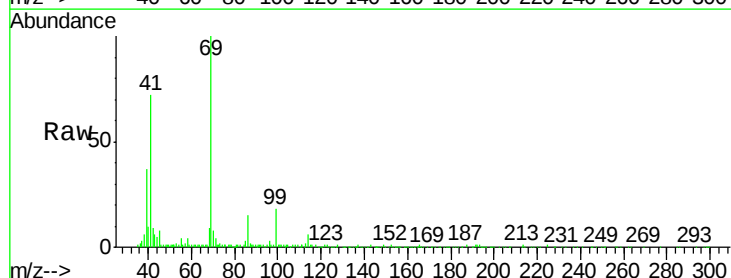
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

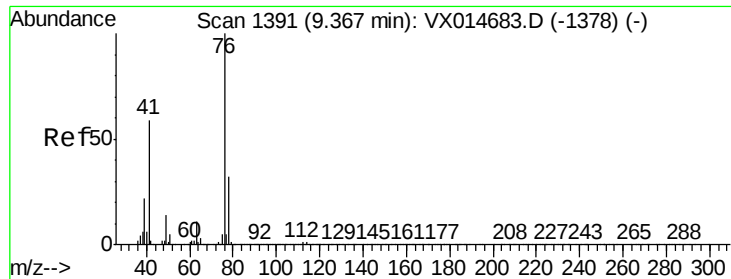
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 23833 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 95.3  | 69.2  | 103.8 |
| 85       | 57.4  | 44.6  | 67.0  |
| 99       | 63.4  | 50.1  | 75.1  |



#56  
 Ethyl methacrylate  
 Concen: 4.39 ug/l  
 RT: 9.17 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 31844 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 74.1  | 54.9  | 82.3  |
| 39       | 39.2  | 29.3  | 43.9  |





#57

1,3-Dichloropropane

Concen: 5.09 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

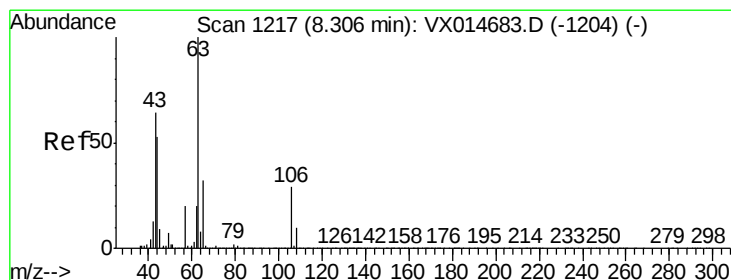
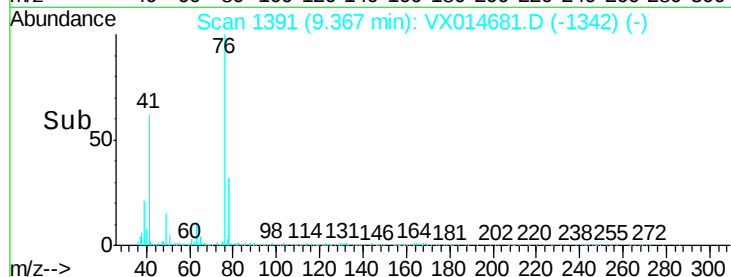
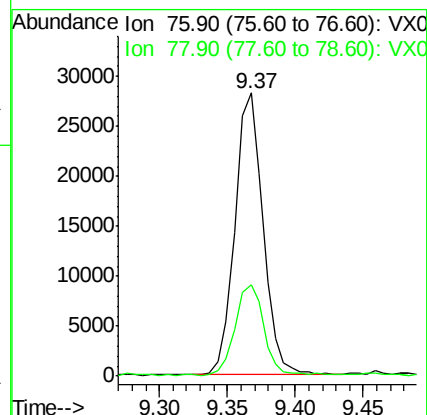
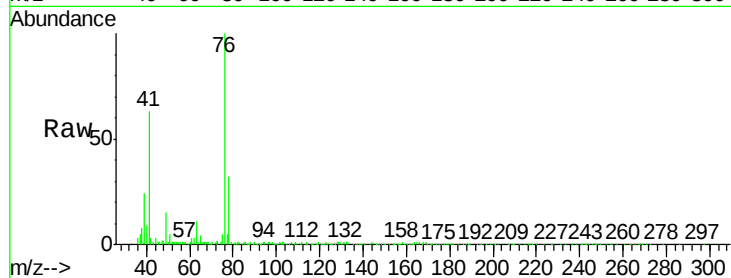
VSTDIC005

Tgt Ion: 76 Resp: 40545

Ion Ratio Lower Upper

76 100

78 33.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 22.22 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014681.D

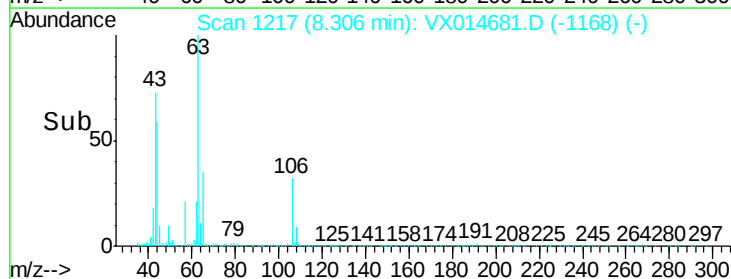
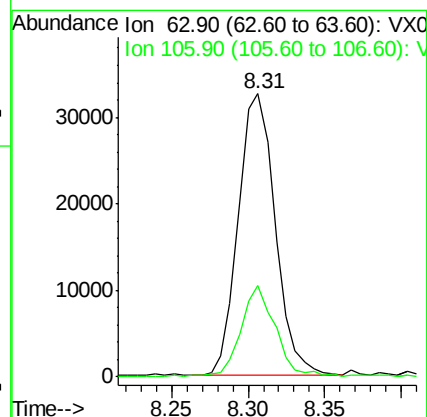
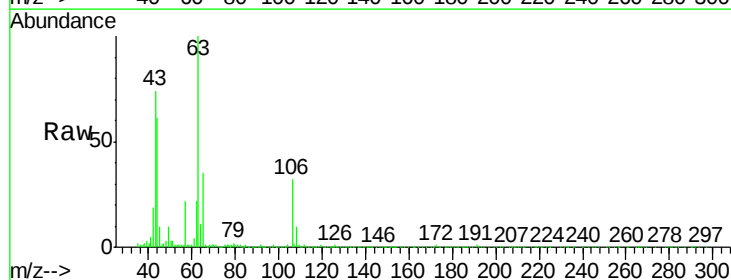
Acq: 22 Jan 2020 10:41

Tgt Ion: 63 Resp: 54877

Ion Ratio Lower Upper

63 100

106 30.7 22.7 34.1

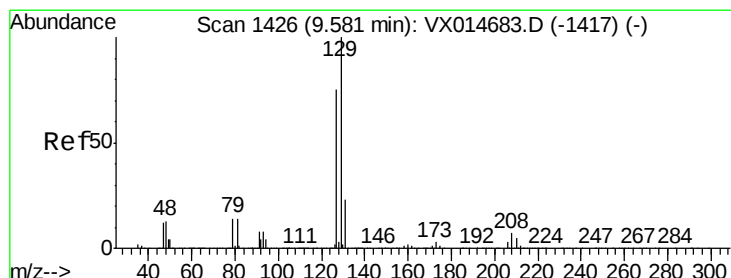
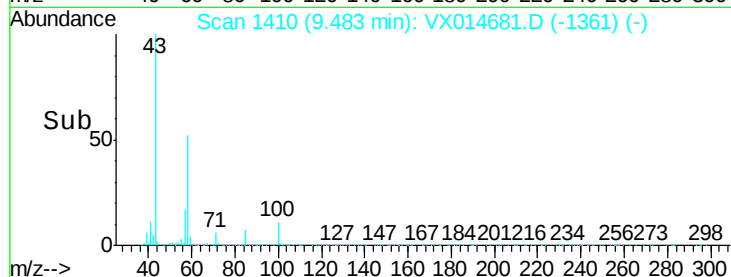
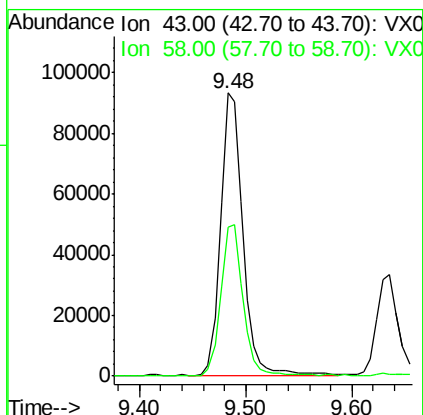
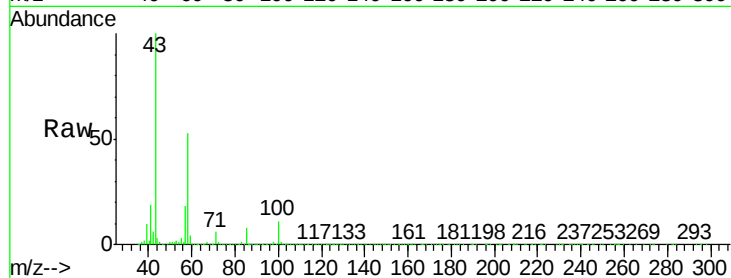




#59  
2-Hexanone  
Concen: 25.65 ug/l  
RT: 9.48 min Scan# 1410  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

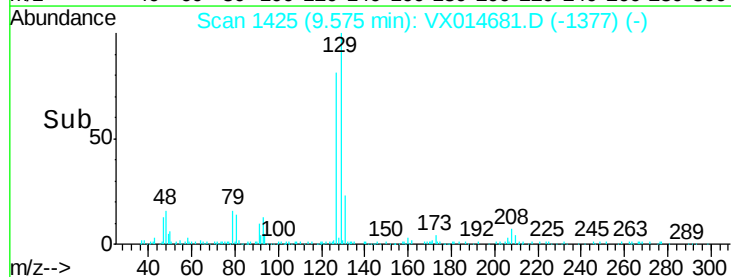
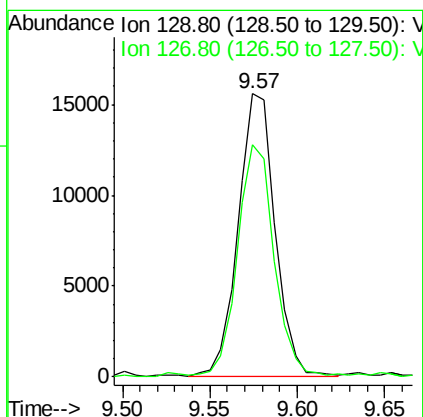
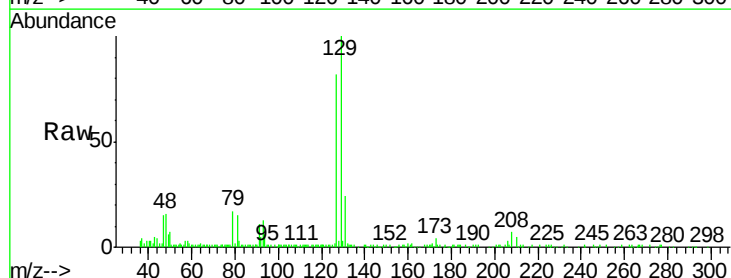
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

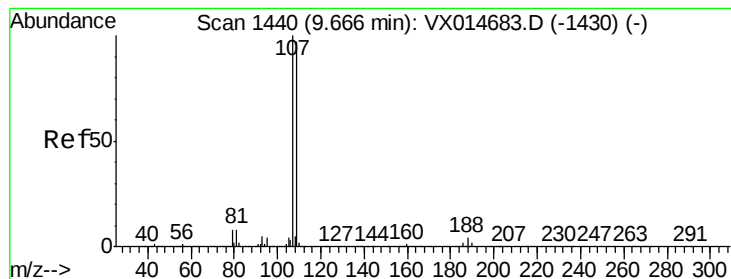
Tgt Ion: 43 Resp: 135462  
Ion Ratio Lower Upper  
43 100  
58 53.3 27.2 81.5



#60  
Dibromochloromethane  
Concen: 4.74 ug/l  
RT: 9.57 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion: 129 Resp: 22634  
Ion Ratio Lower Upper  
129 100  
127 81.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 5.07 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

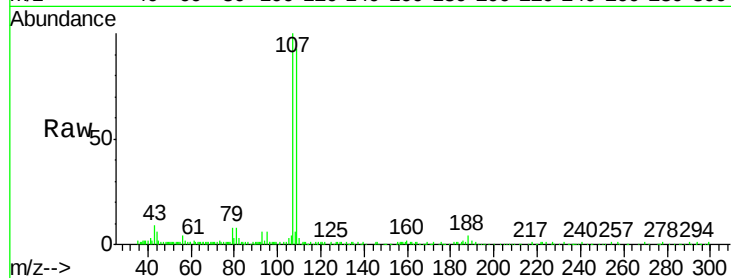
VSTDIC005

Tgt Ion: 107 Resp: 25511

Ion Ratio Lower Upper

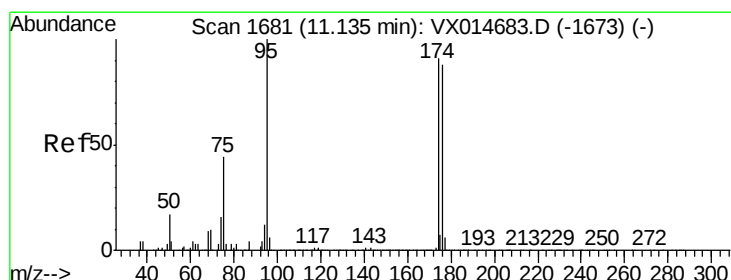
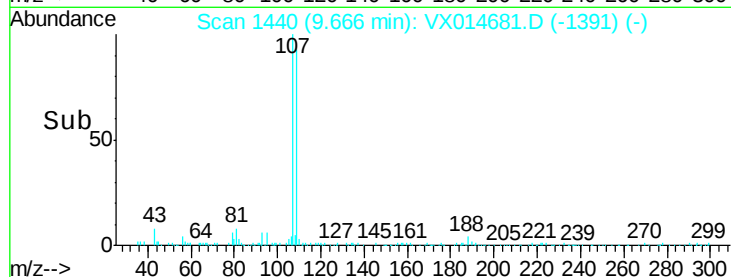
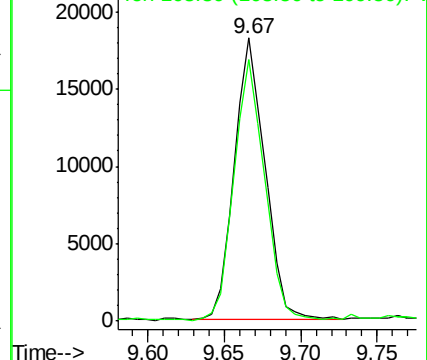
107 100

109 92.9 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.89 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

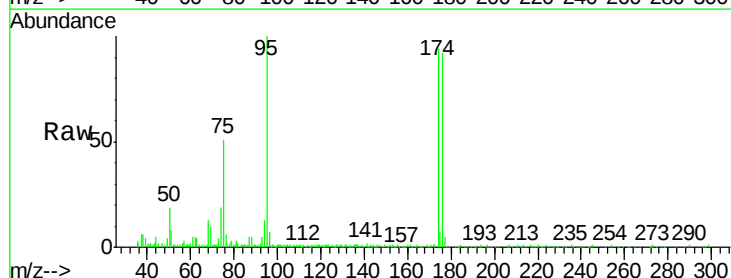
Tgt Ion: 95 Resp: 27722

Ion Ratio Lower Upper

95 100

174 83.0 0.0 176.0

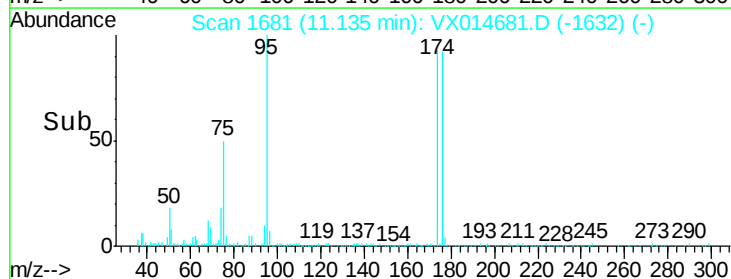
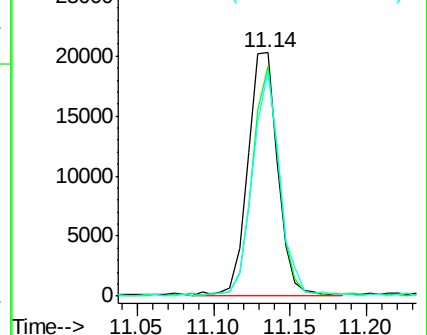
176 85.1 0.0 172.2

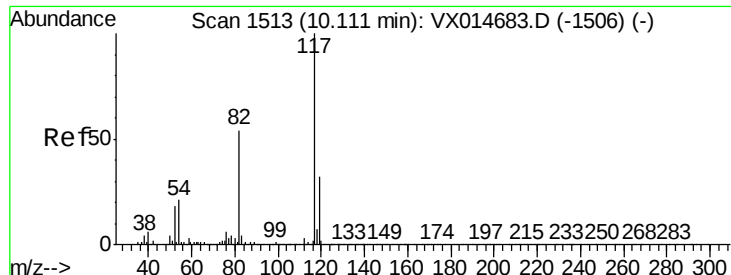


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

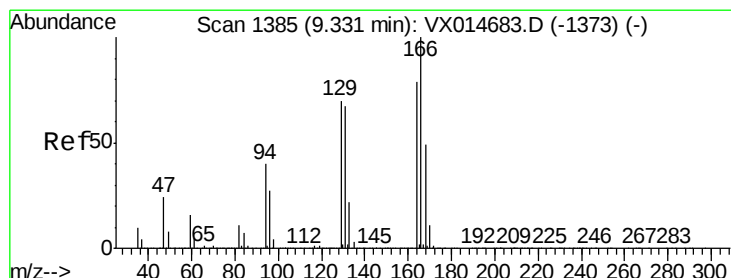
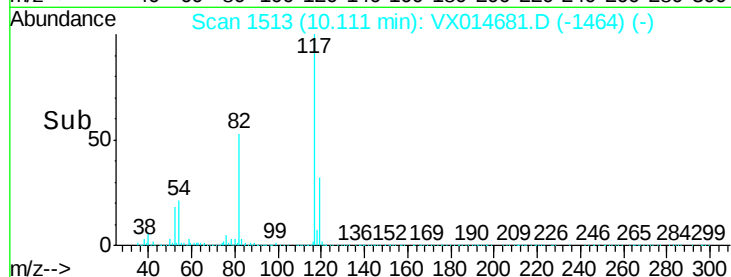
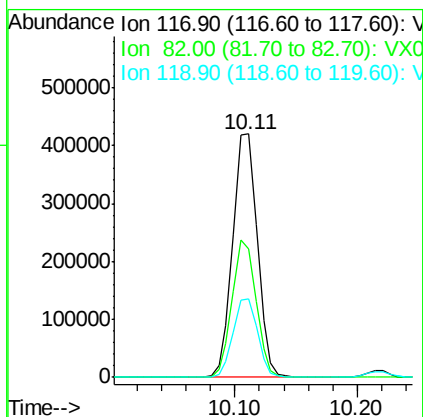
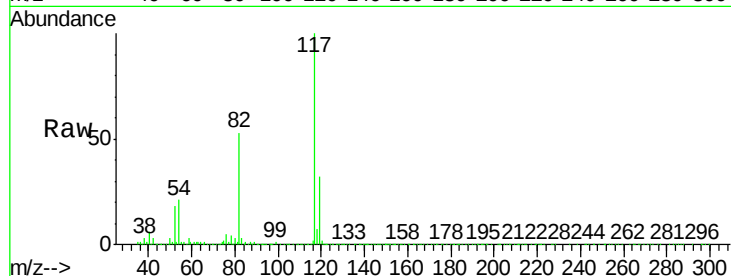




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

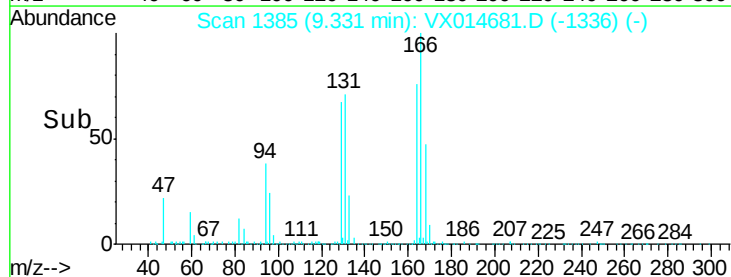
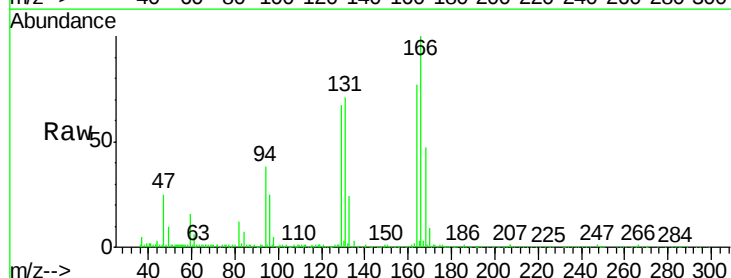
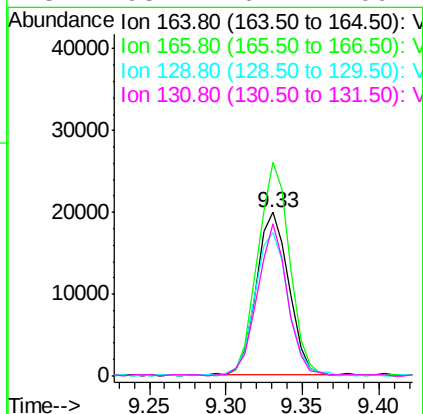
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC005

Tgt Ion:117 Resp: 584341  
Ion Ratio Lower Upper  
117 100  
82 52.7 43.2 64.8  
119 32.1 25.8 38.6



#64  
Tetrachloroethene  
Concen: 5.02 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion:164 Resp: 29600  
Ion Ratio Lower Upper  
164 100  
166 130.8 100.9 151.3  
129 87.4 71.0 106.6  
131 93.2 67.1 100.7





#65

Chlorobenzene

Concen: 5.03 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

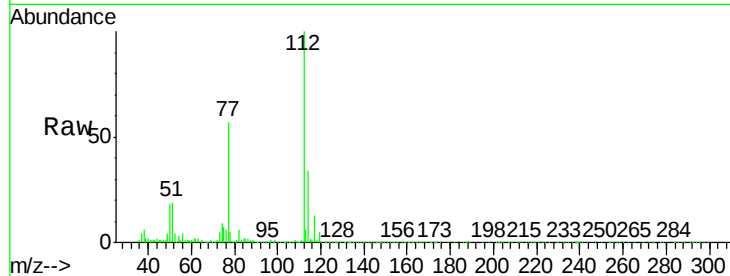
VSTDIC005

Tgt Ion:112 Resp: 64117

Ion Ratio Lower Upper

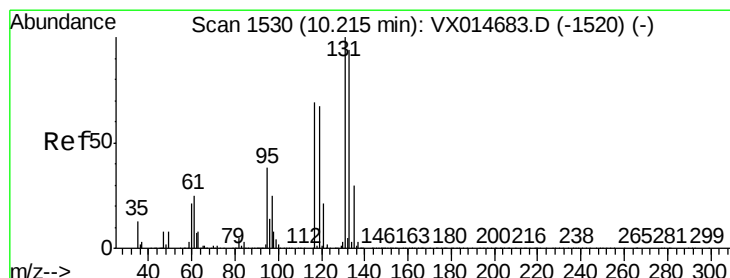
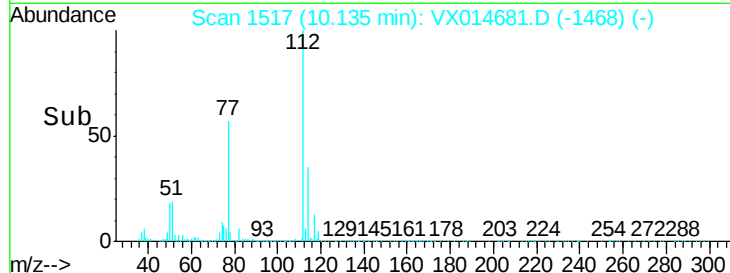
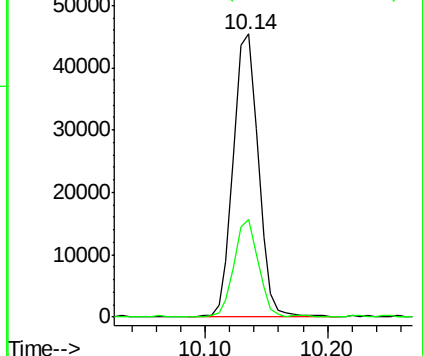
112 100

114 34.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.99 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

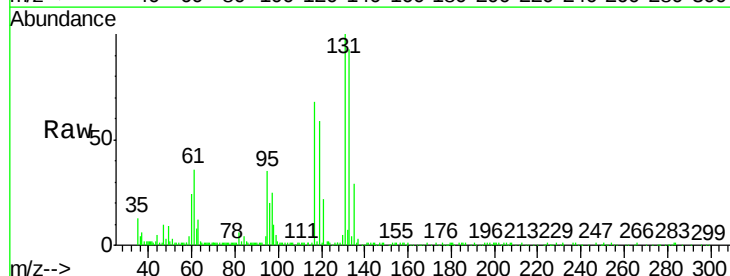
Tgt Ion:131 Resp: 22710

Ion Ratio Lower Upper

131 100

133 90.5 47.4 142.3

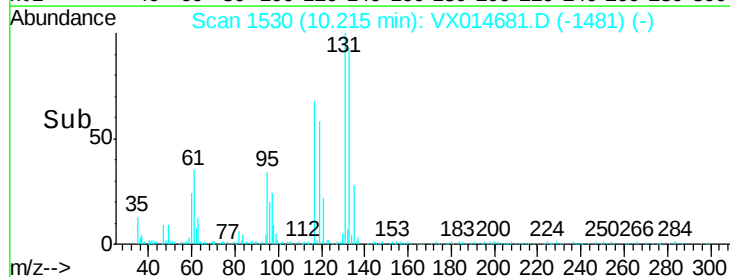
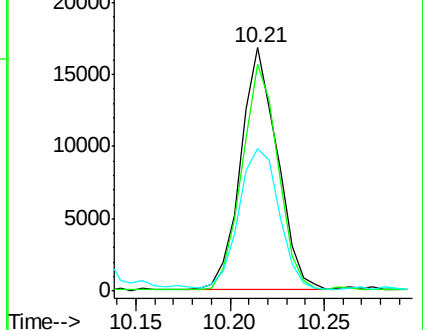
119 64.4 33.3 99.8

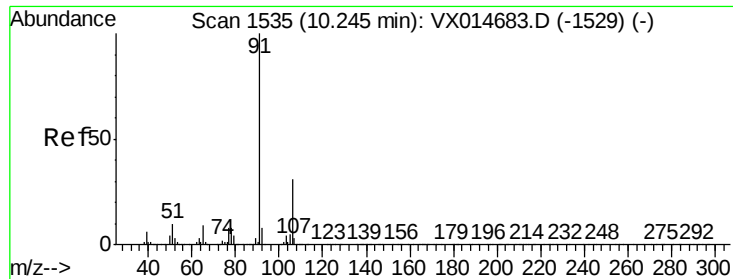


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

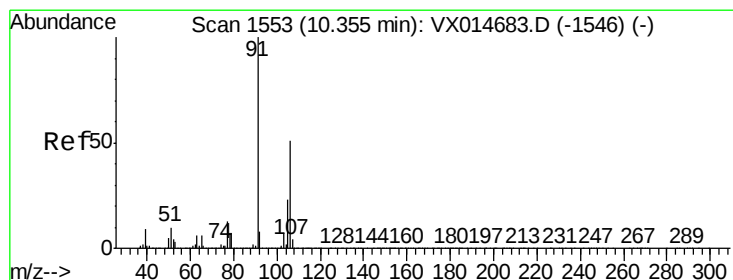
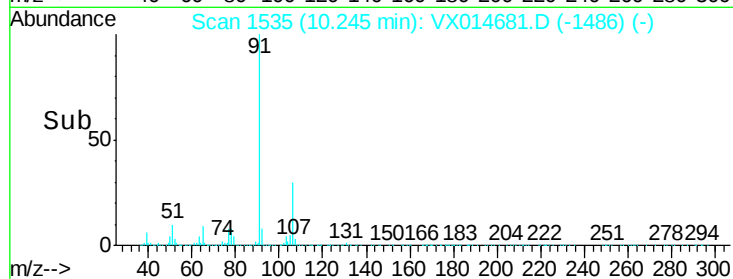
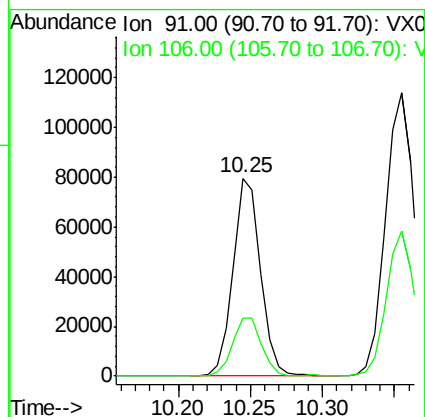
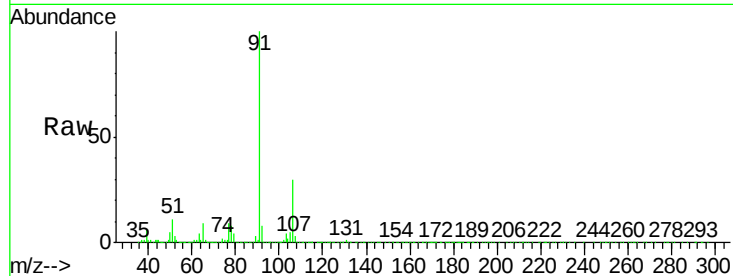




#67  
Ethyl Benzene  
Concen: 4.87 ug/l  
RT: 10.25 min Scan# 1535  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

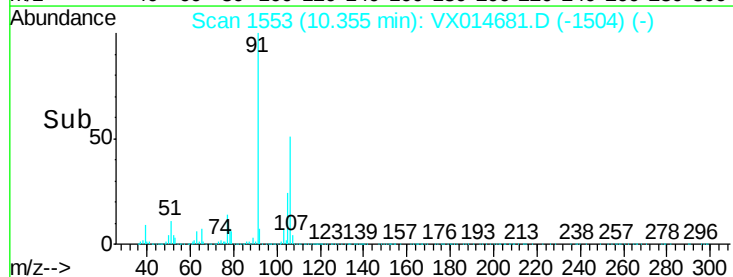
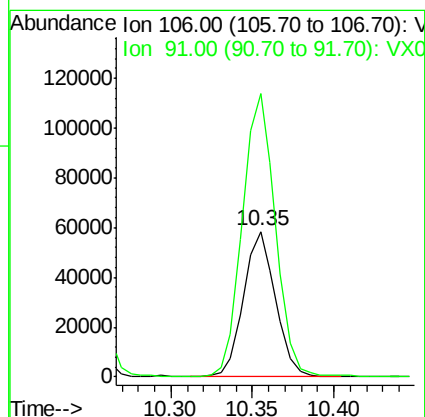
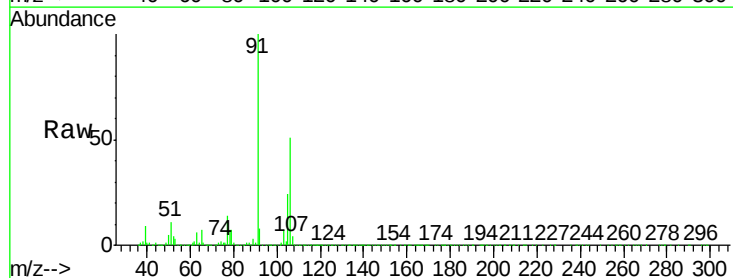
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

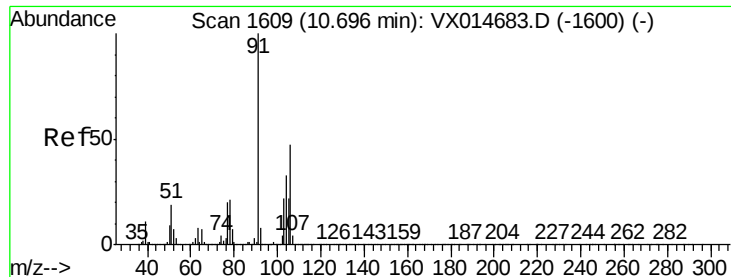
Tgt Ion: 91 Resp: 105890  
Ion Ratio Lower Upper  
91 100  
106 29.4 24.9 37.3



#68  
m/p-Xylenes  
Concen: 9.46 ug/l  
RT: 10.35 min Scan# 1553  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion: 106 Resp: 79375  
Ion Ratio Lower Upper  
106 100  
91 201.2 159.4 239.2

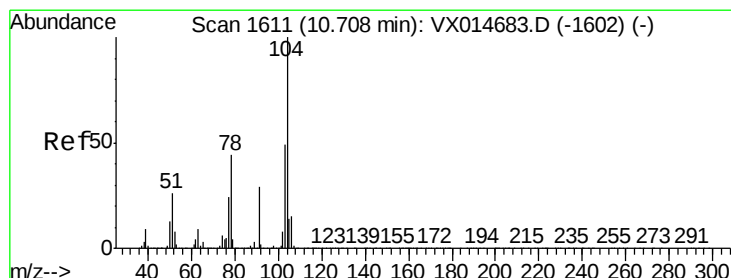
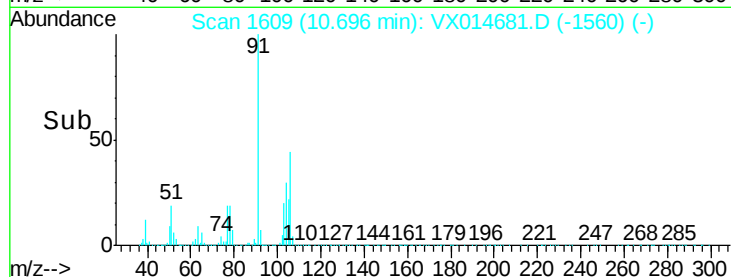
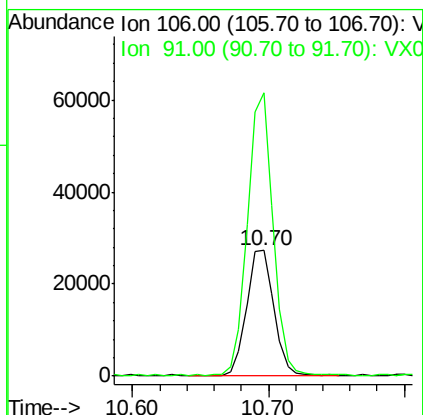
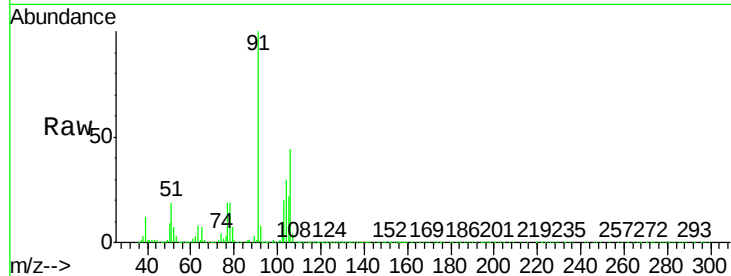




#69  
o-Xylene  
Concen: 4.79 ug/l  
RT: 10.70 min Scan# 1609  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

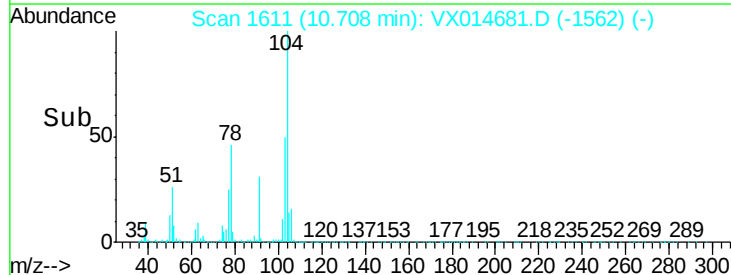
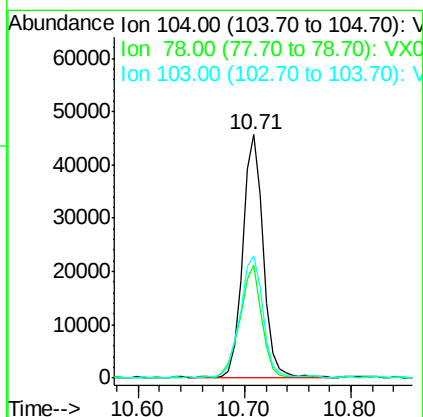
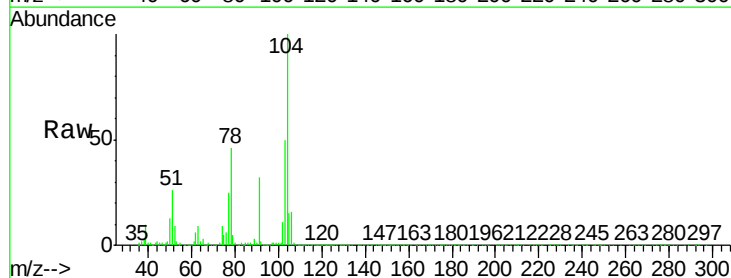
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

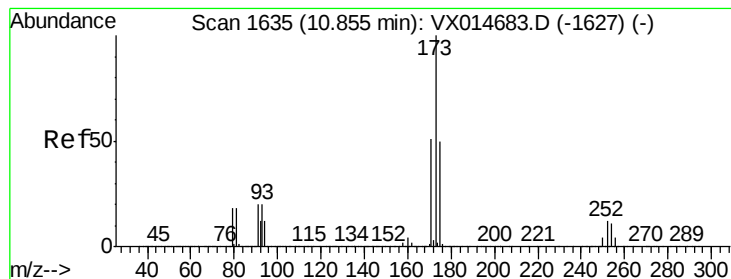
Tgt Ion:106 Resp: 38364  
Ion Ratio Lower Upper  
106 100  
91 211.5 106.2 318.6



#70  
Styrene  
Concen: 4.45 ug/l  
RT: 10.71 min Scan# 1611  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion:104 Resp: 61393  
Ion Ratio Lower Upper  
104 100  
78 48.8 39.3 58.9  
103 55.9 43.5 65.3





#71

Bromoform

Concen: 4.47 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

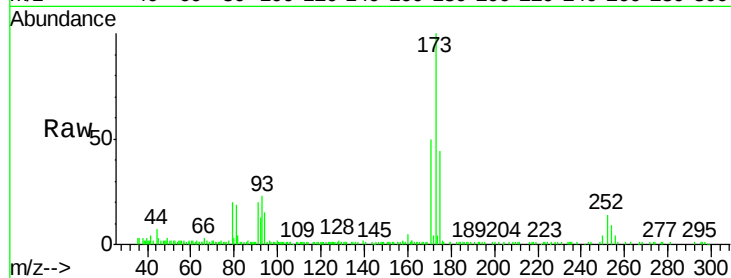
Tgt Ion:173 Resp: 16557

Ion Ratio Lower Upper

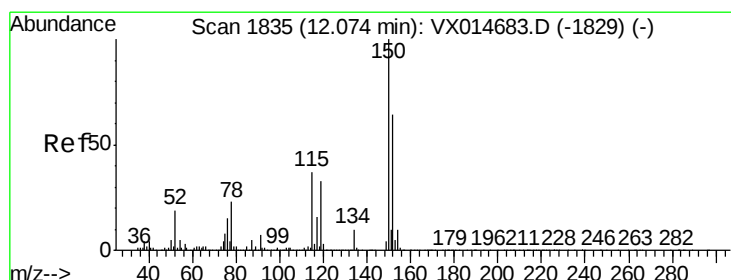
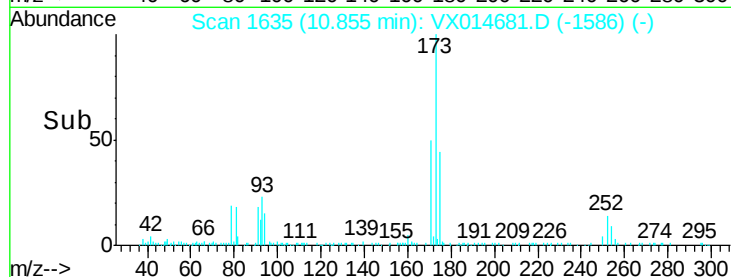
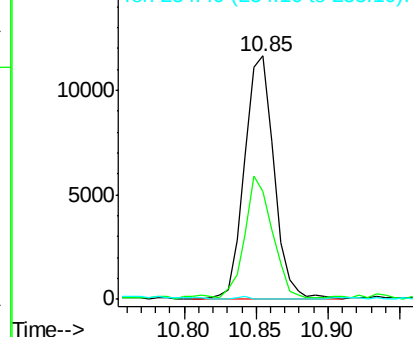
173 100

175 49.8 24.6 73.6

254 0.4 0.1 0.1#



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

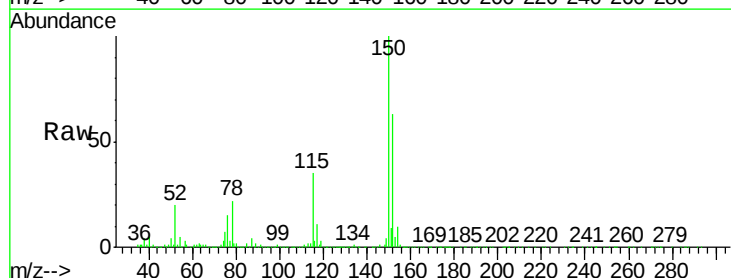
Tgt Ion:152 Resp: 274967

Ion Ratio Lower Upper

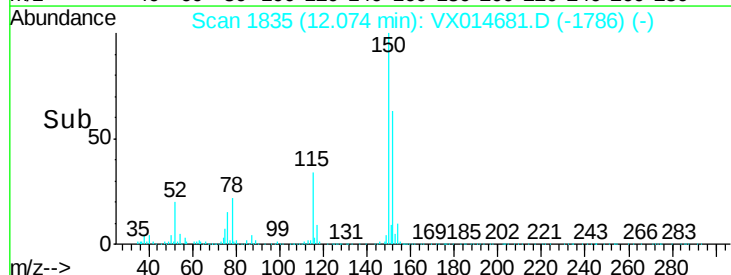
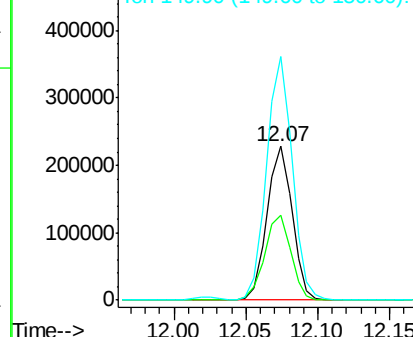
152 100

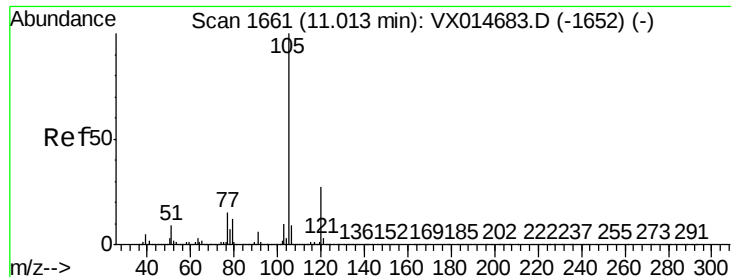
115 57.9 39.4 118.1

150 160.8 0.0 351.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.25 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

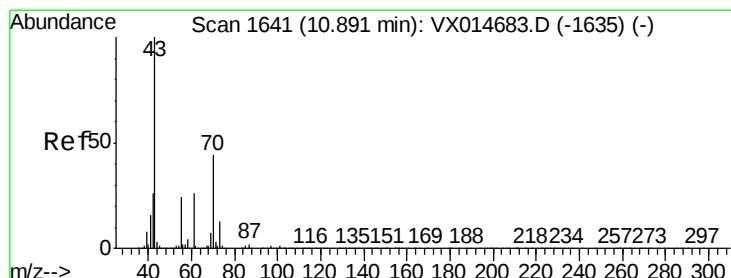
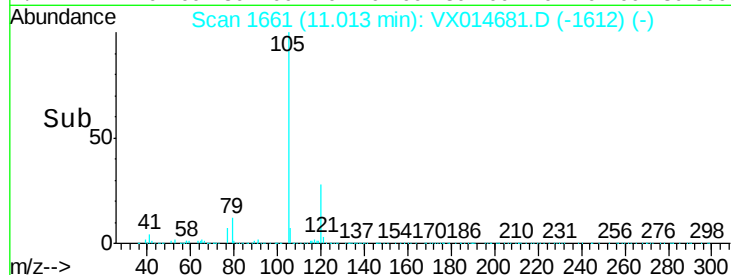
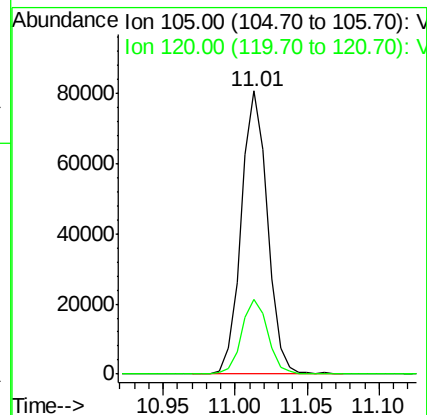
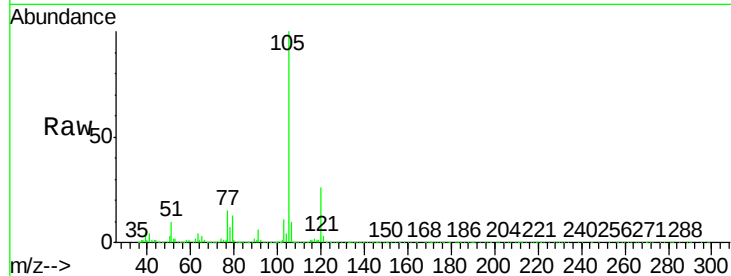
VSTDIC005

Tgt Ion: 105 Resp: 102090

Ion Ratio Lower Upper

105 100

120 25.9 13.5 40.5



#74

N-ethyl acetate

Concen: 4.70 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion: 43 Resp: 40263

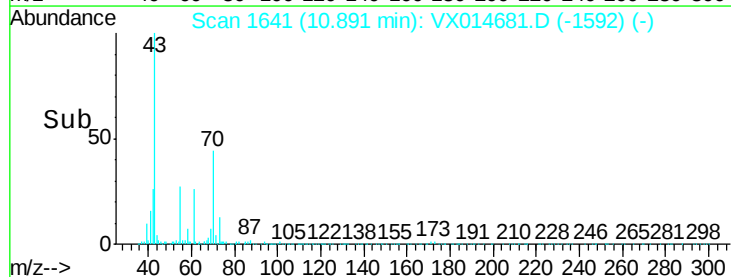
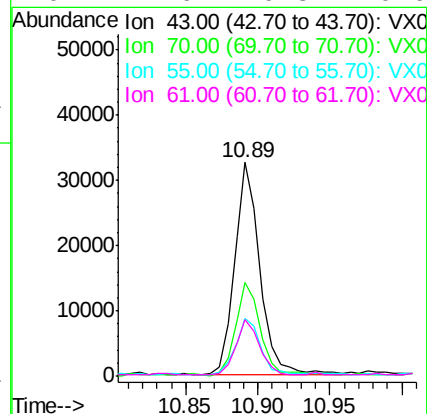
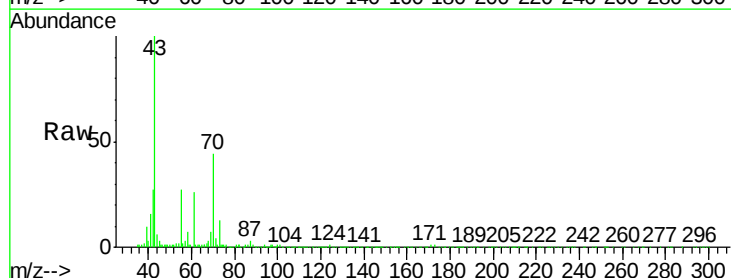
Ion Ratio Lower Upper

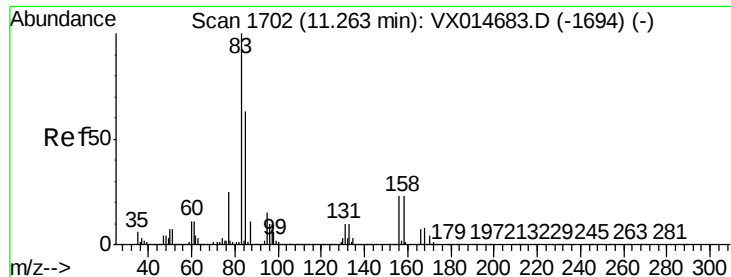
43 100

70 43.3 34.6 52.0

55 26.7 19.4 29.2

61 24.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.70 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

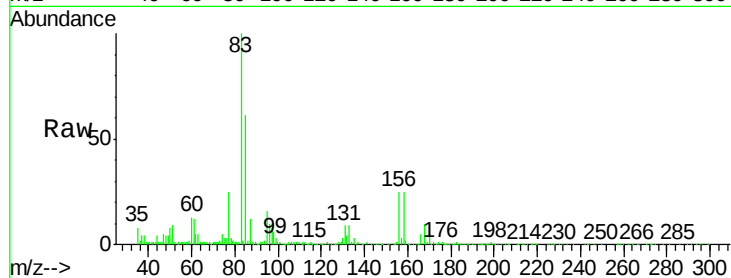
Tgt Ion: 83 Resp: 35807

Ion Ratio Lower Upper

83 100

131 11.4 5.0 15.0

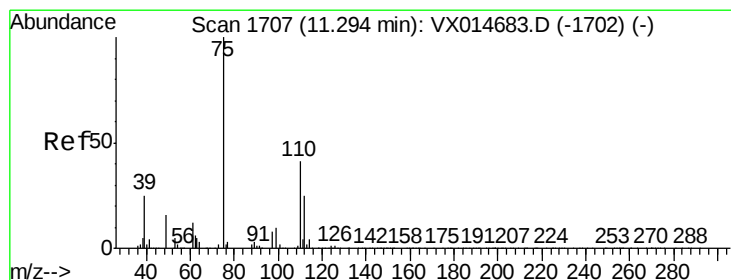
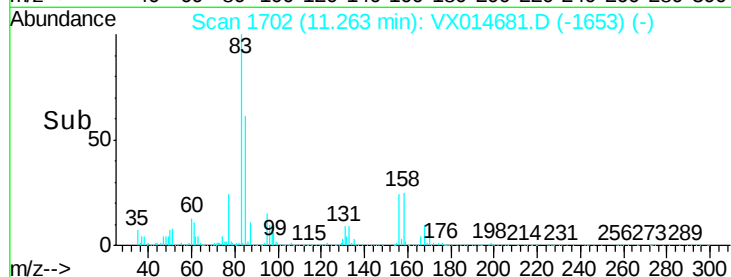
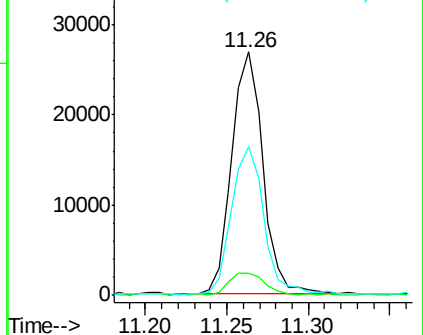
85 63.6 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 6.58 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX014681.D

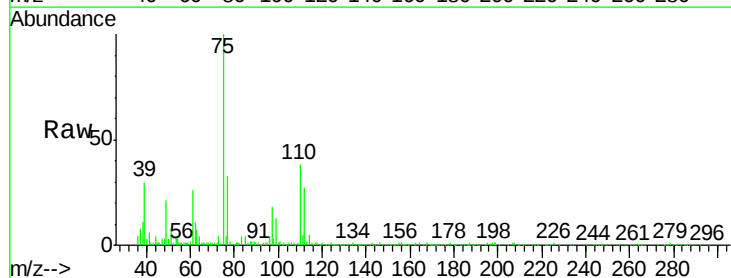
Acq: 22 Jan 2020 10:41

Tgt Ion: 75 Resp: 38888

Ion Ratio Lower Upper

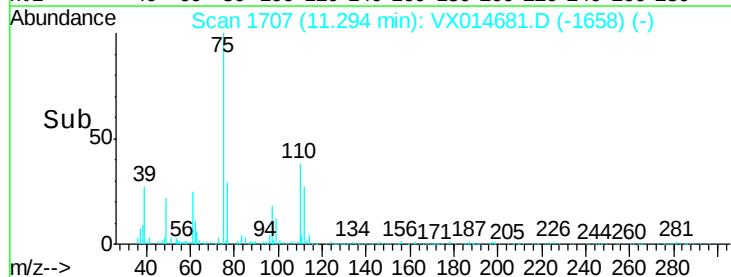
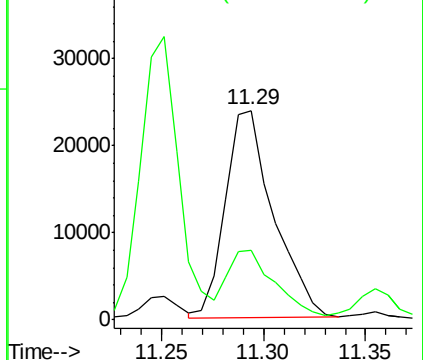
75 100

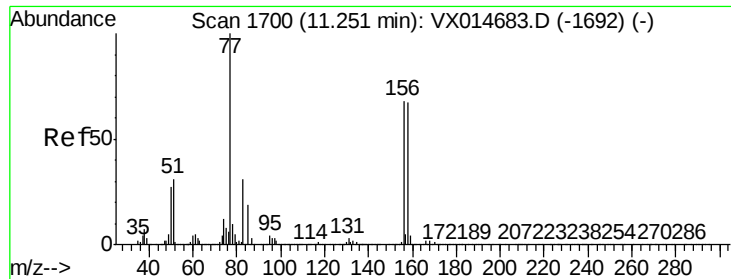
77 33.0 18.7 56.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 5.13 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

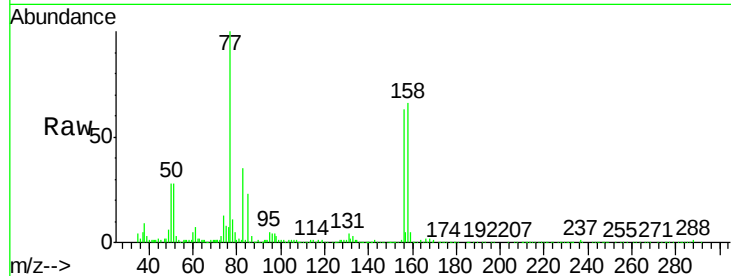
Tgt Ion: 156 Resp: 27600

Ion Ratio Lower Upper

156 100

77 152.6 77.5 232.5

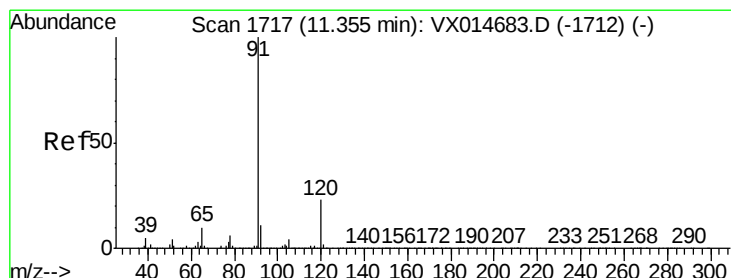
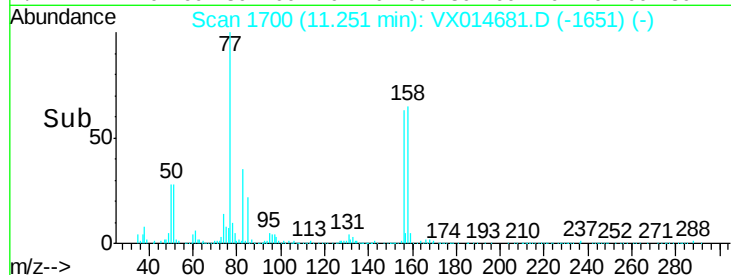
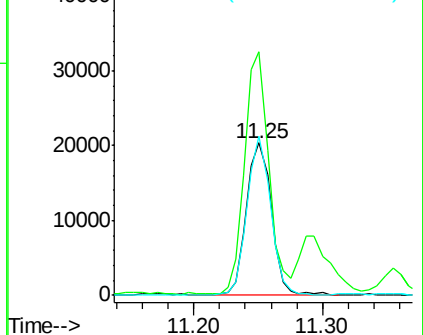
158 98.3 49.1 147.3



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: 4.97 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014681.D

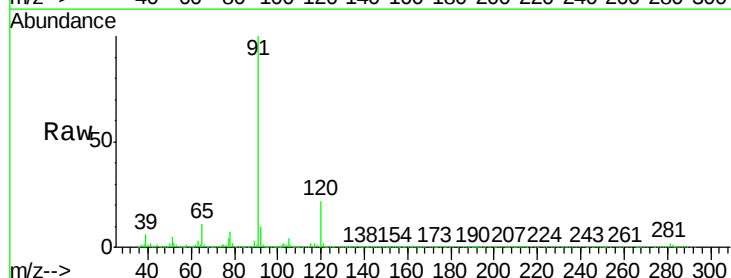
Acq: 22 Jan 2020 10:41

Tgt Ion: 91 Resp: 110954

Ion Ratio Lower Upper

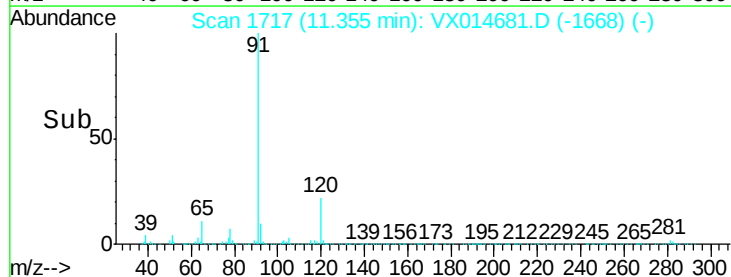
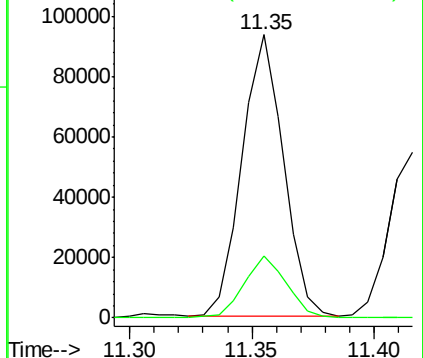
91 100

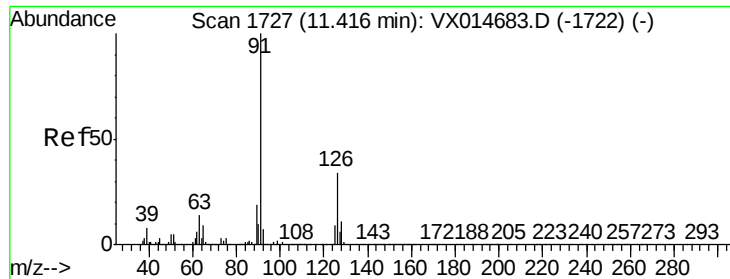
120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

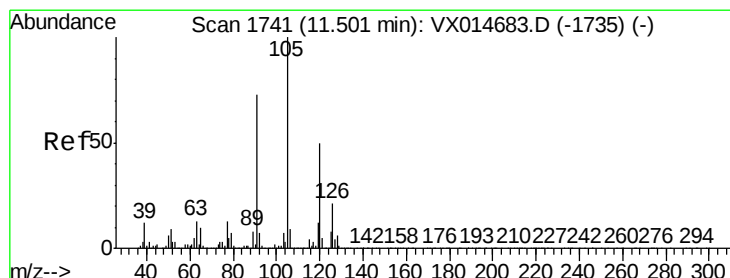
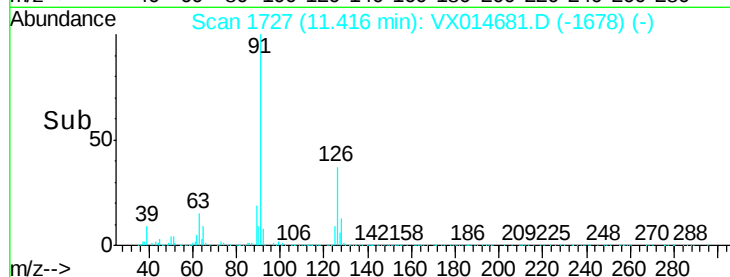
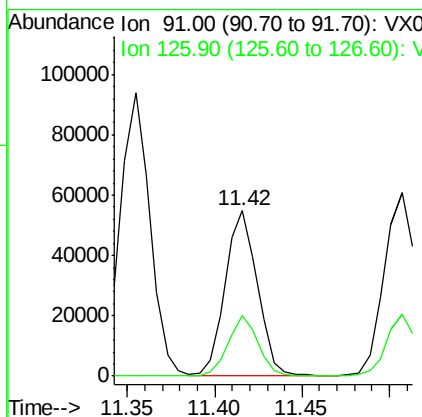
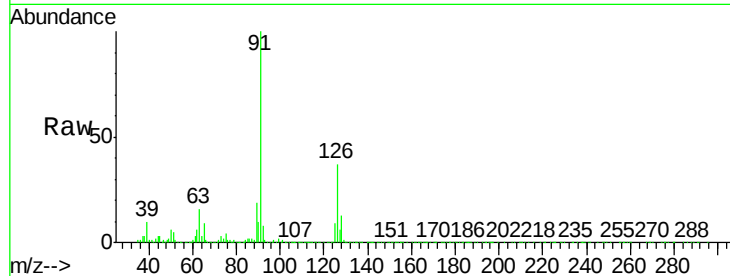




#79  
 2-Chlorotoluene  
 Concen: 5.21 ug/l  
 RT: 11.42 min Scan# 1727  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

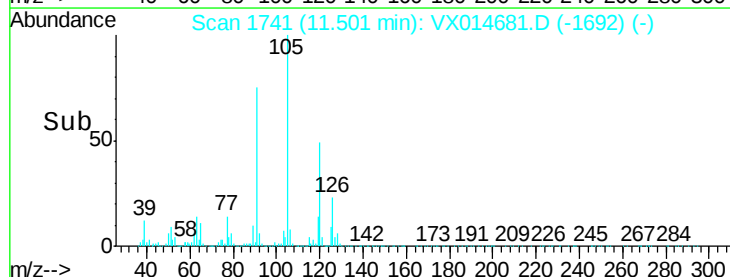
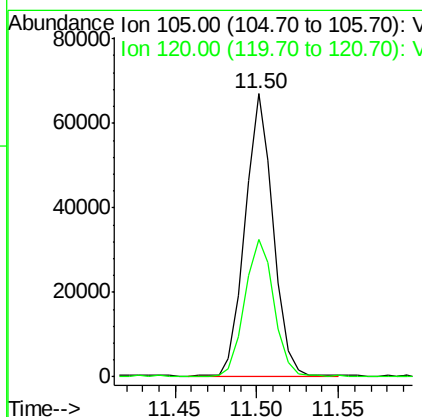
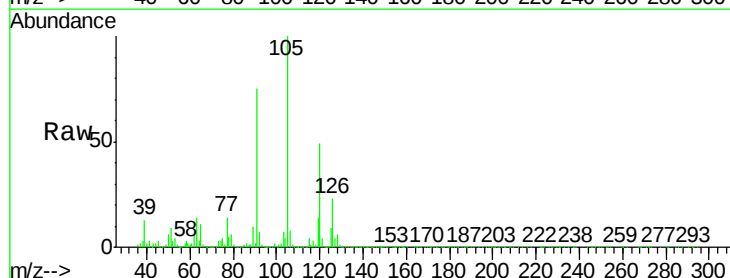
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

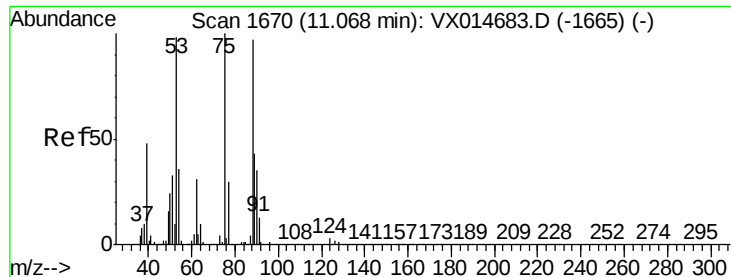
Tgt Ion: 91 Resp: 69342  
 Ion Ratio Lower Upper  
 91 100  
 126 34.4 17.3 51.9



#80  
 1,3,5-Trimethylbenzene  
 Concen: 4.94 ug/l  
 RT: 11.50 min Scan# 1741  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

Tgt Ion: 105 Resp: 79886  
 Ion Ratio Lower Upper  
 105 100  
 120 50.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 4.16 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

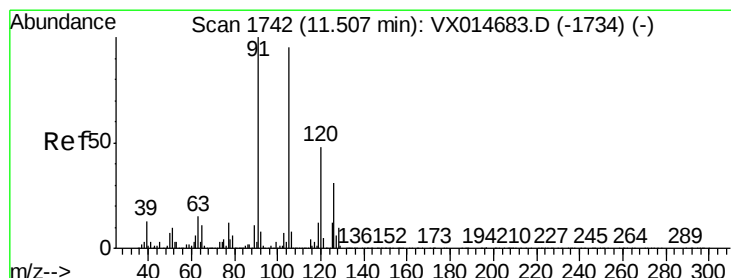
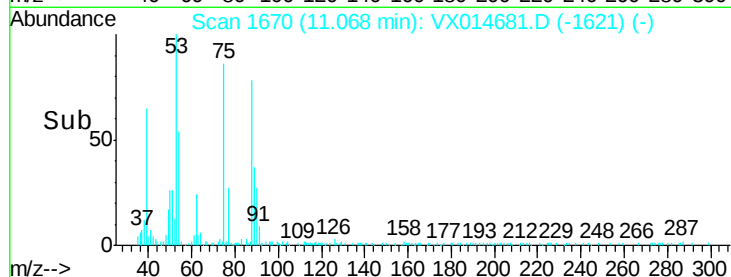
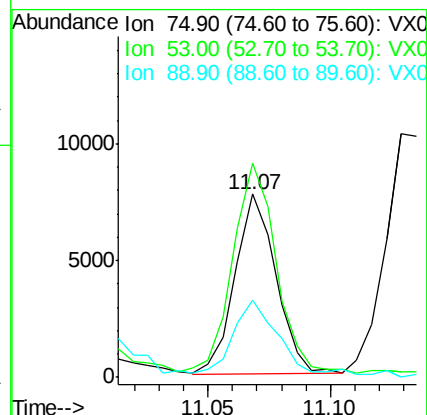
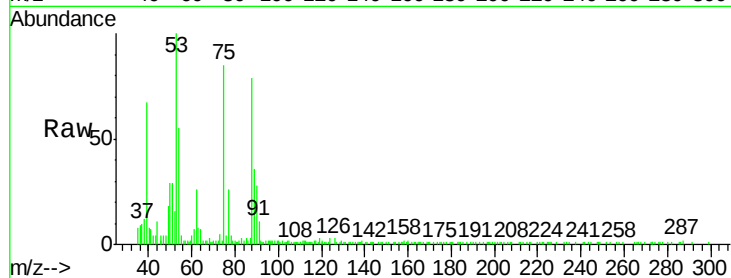
Tgt Ion: 75 Resp: 8996

Ion Ratio Lower Upper

75 100

53 123.8 78.8 118.2#

89 44.2 35.4 53.0



#82

4-Chlorotoluene

Concen: 4.92 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014681.D

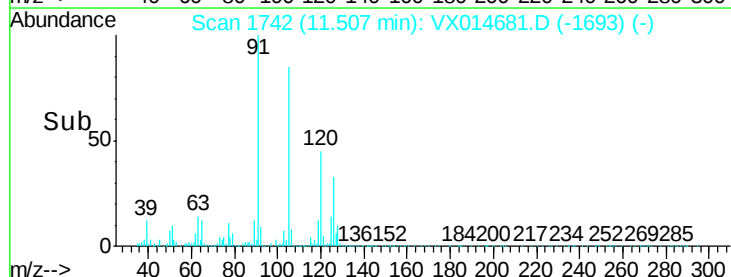
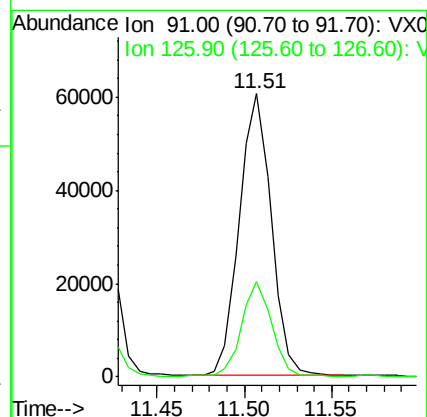
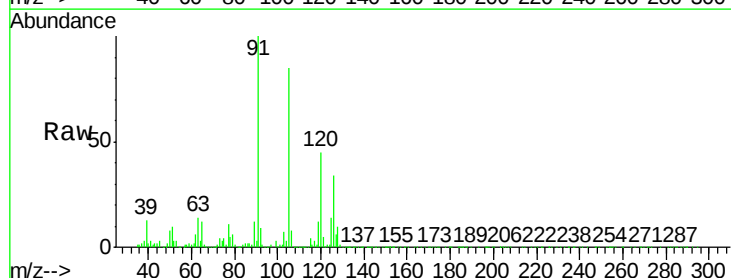
Acq: 22 Jan 2020 10:41

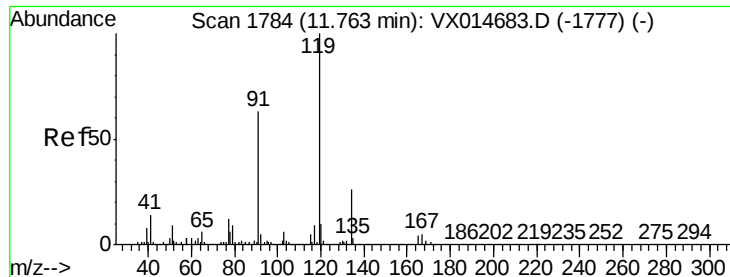
Tgt Ion: 91 Resp: 76782

Ion Ratio Lower Upper

91 100

126 31.7 15.4 46.4

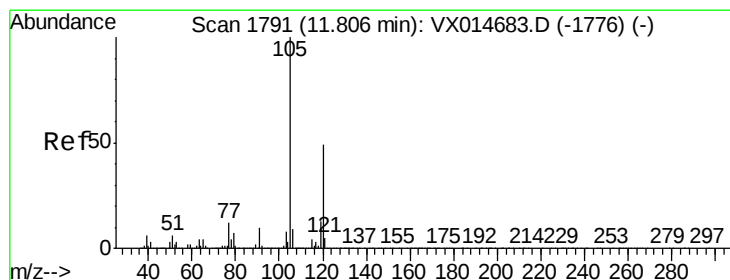
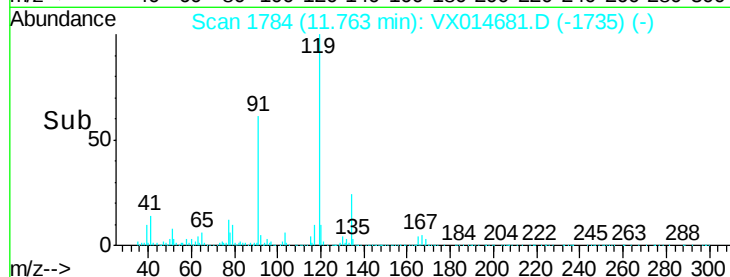
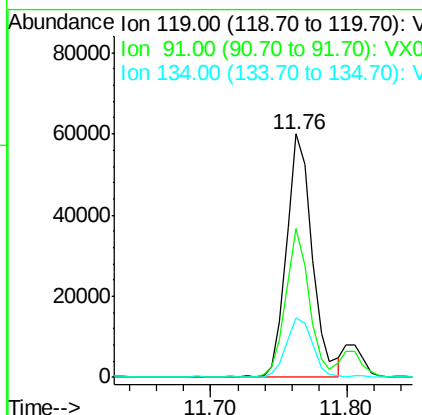
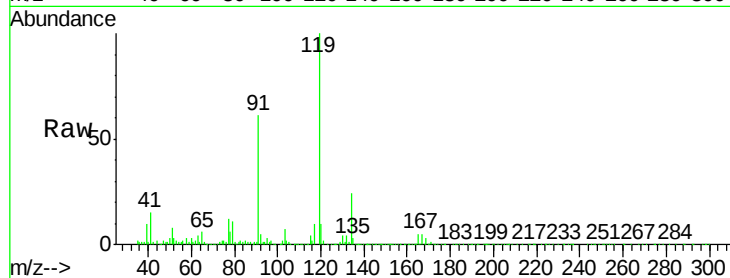




#83  
tert-Butylbenzene  
Concen: 5.19 ug/l  
RT: 11.76 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

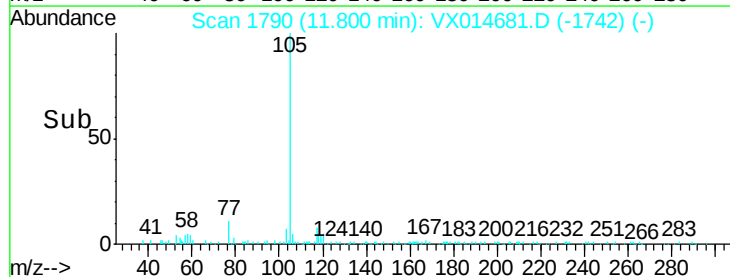
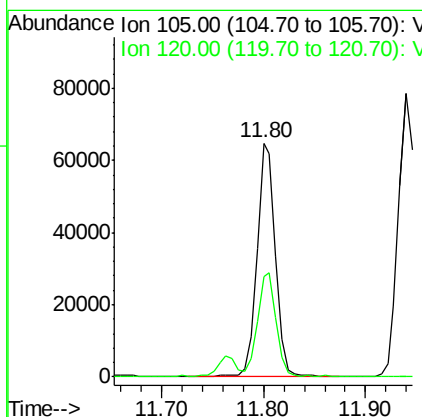
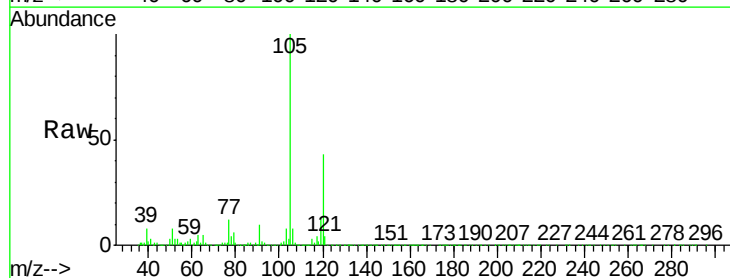
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

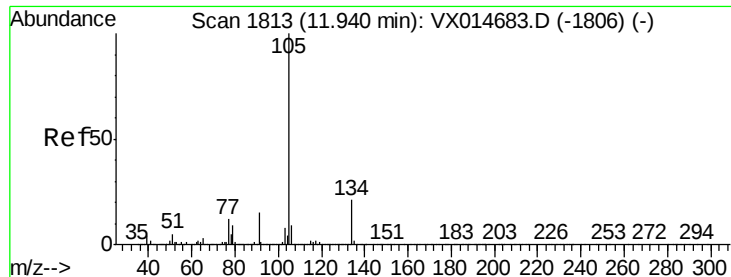
Tgt Ion:119 Resp: 79016  
Ion Ratio Lower Upper  
119 100  
91 54.8 30.0 90.0  
134 24.5 12.7 38.0



#84  
1,2,4-Trimethylbenzene  
Concen: 5.05 ug/l  
RT: 11.80 min Scan# 1790  
Delta R.T. -0.01 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion:105 Resp: 82540  
Ion Ratio Lower Upper  
105 100  
120 44.3 23.4 70.0

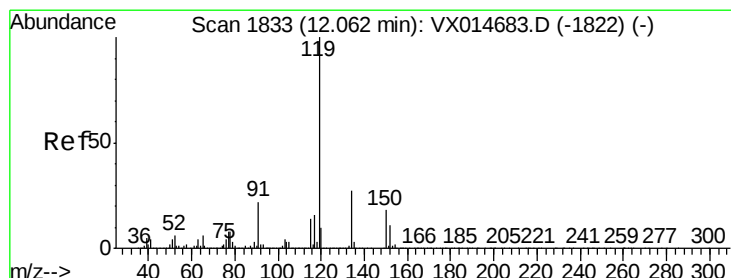
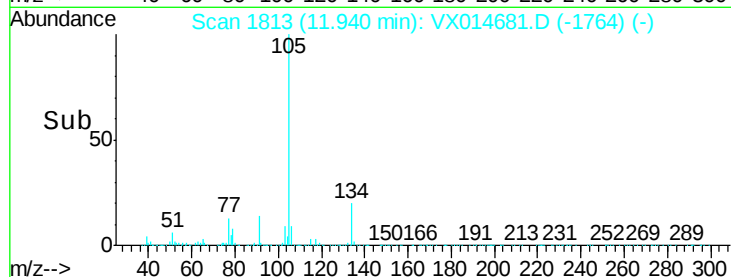
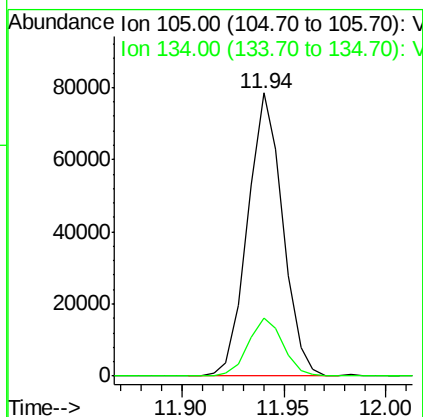
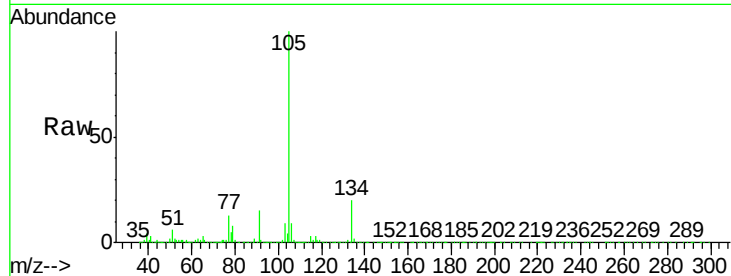




#85  
 sec-Butylbenzene  
 Concen: 4.92 ug/l  
 RT: 11.94 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

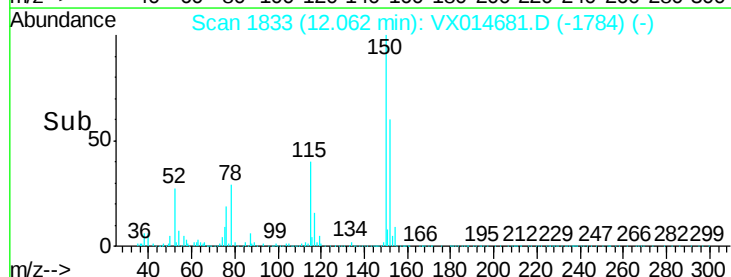
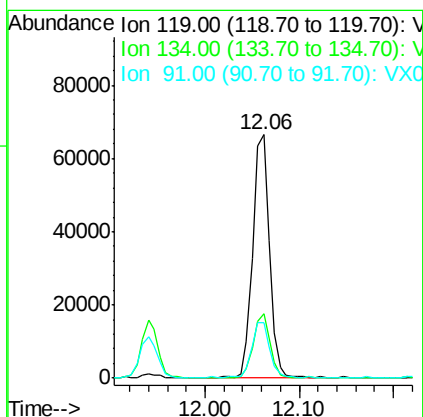
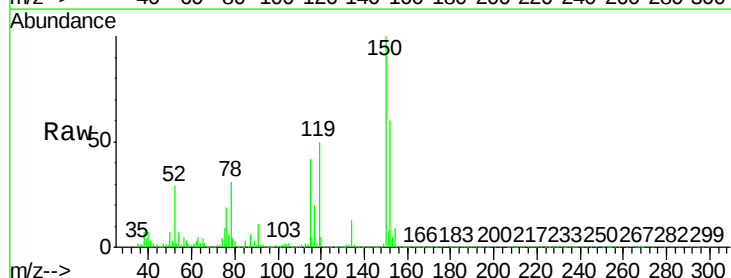
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

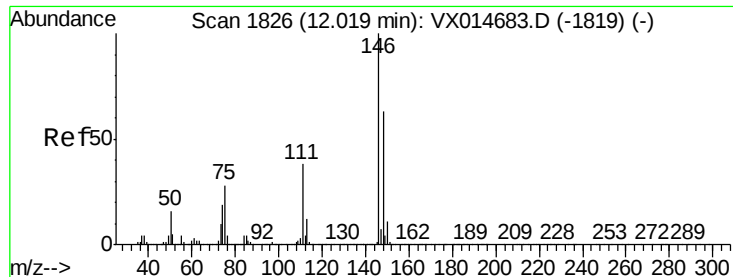
Tgt Ion:105 Resp: 93321  
 Ion Ratio Lower Upper  
 105 100  
 134 21.0 10.3 30.8



#86  
 p-Isopropyltoluene  
 Concen: 4.82 ug/l  
 RT: 12.06 min Scan# 1833  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

Tgt Ion:119 Resp: 84708  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 13.5 40.4  
 91 23.6 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 5.04 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

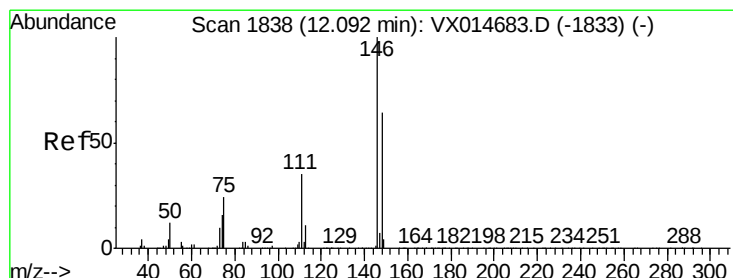
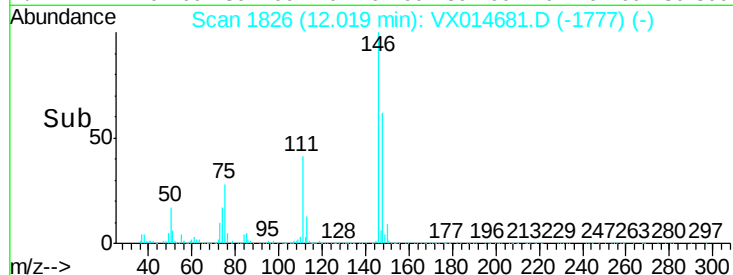
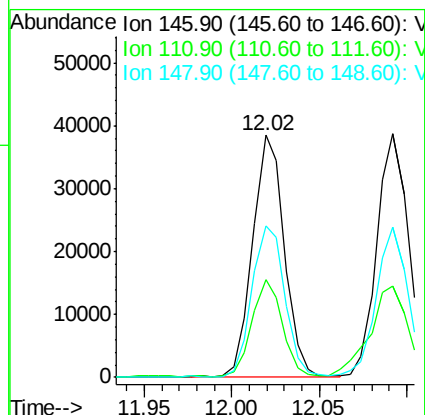
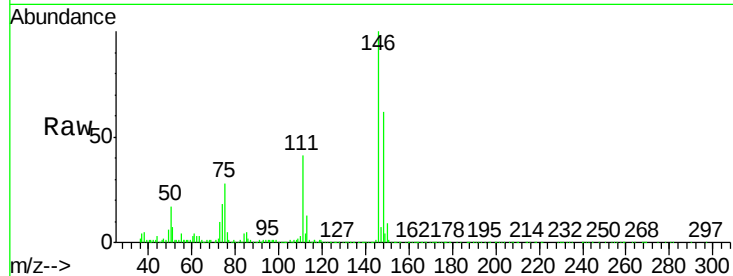
Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion:146 Resp: 48664

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.2  | 19.0  | 57.0  |
| 148 | 64.3  | 31.6  | 95.0  |



#88

1,4-Dichlorobenzene

Concen: 4.94 ug/l

RT: 12.09 min Scan# 1838

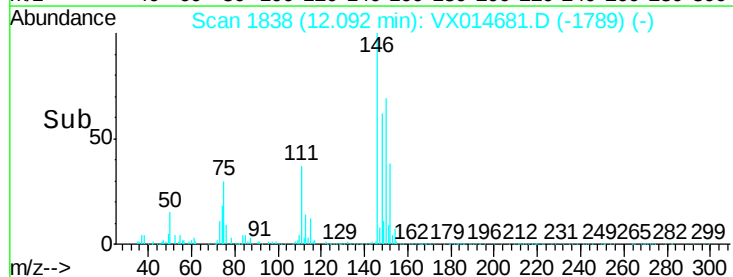
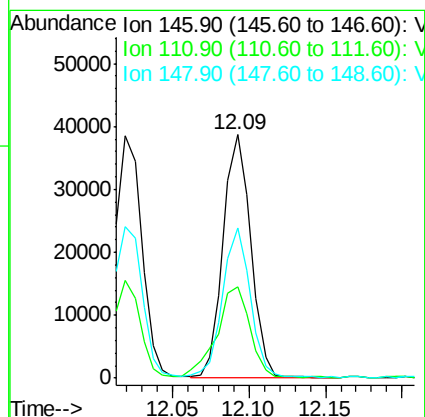
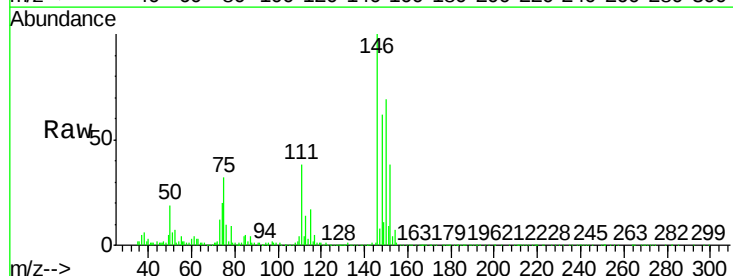
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion:146 Resp: 48743

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 44.4  | 18.6  | 55.8  |
| 148 | 61.8  | 32.0  | 96.2  |

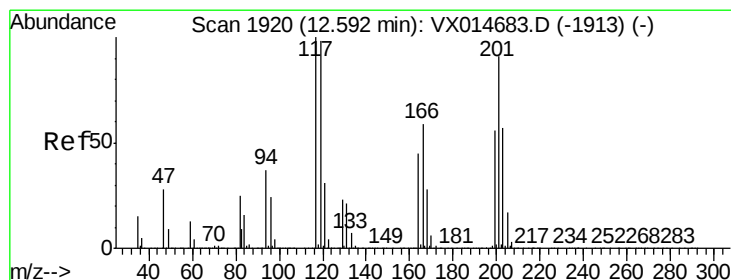
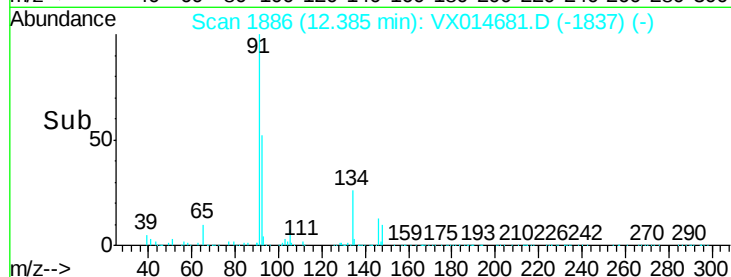
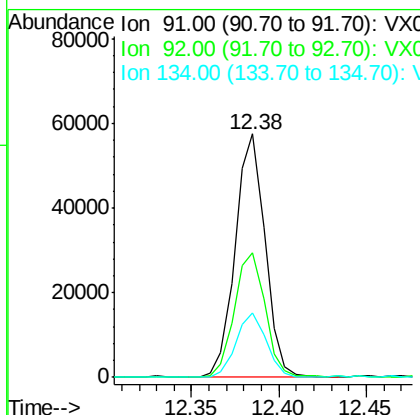
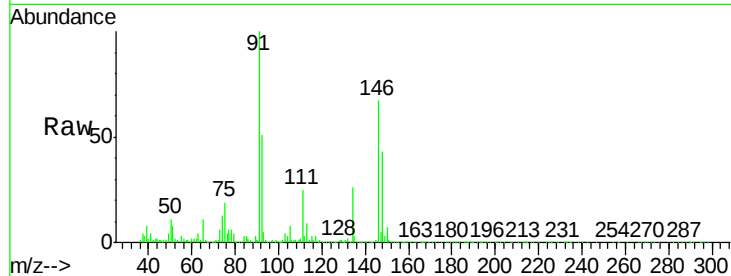




#89  
n-Butylbenzene  
Concen: 4.23 ug/l  
RT: 12.38 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

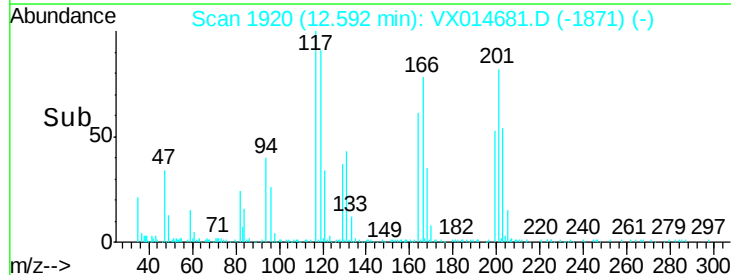
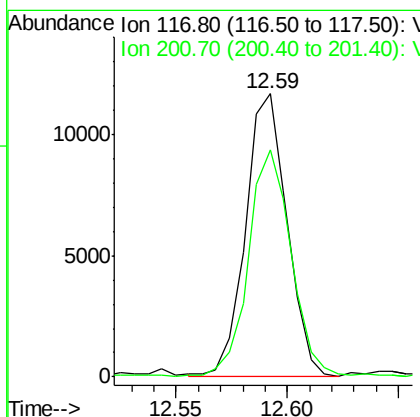
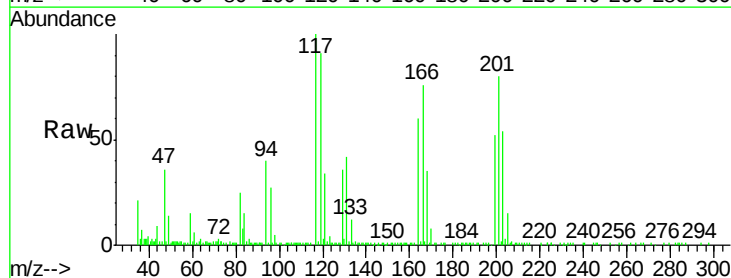
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 91 Resp: 67651  
Ion Ratio Lower Upper  
91 100  
92 53.0 27.6 82.7  
134 26.7 13.3 39.8



#90  
Hexachloroethane  
Concen: 4.92 ug/l  
RT: 12.59 min Scan# 1920  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Tgt Ion: 117 Resp: 15167  
Ion Ratio Lower Upper  
117 100  
201 83.3 44.4 133.1

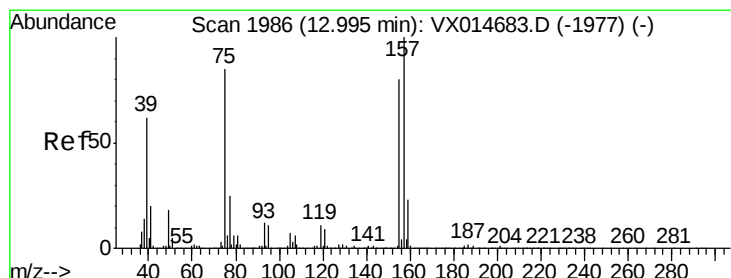
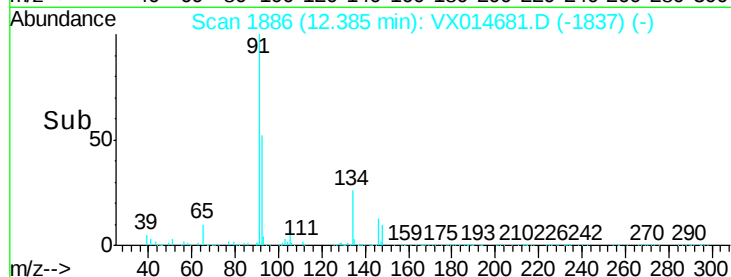
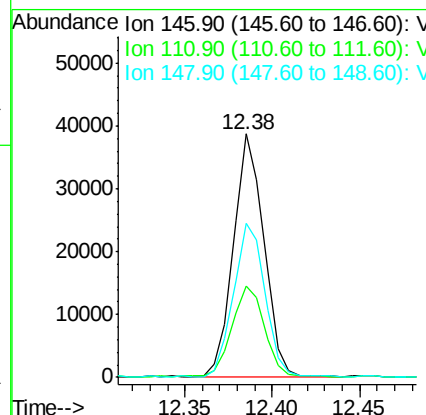
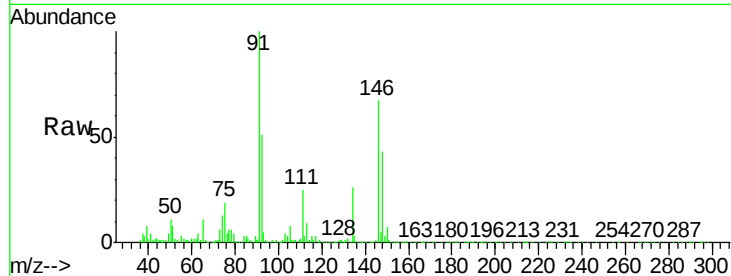




#91  
 1,2-Dichlorobenzene  
 Concen: 4.97 ug/l  
 RT: 12.38 min Scan# 1886  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

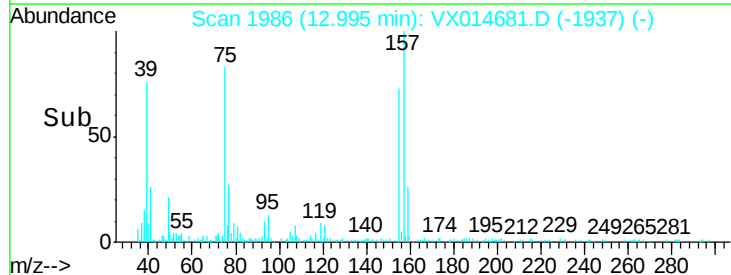
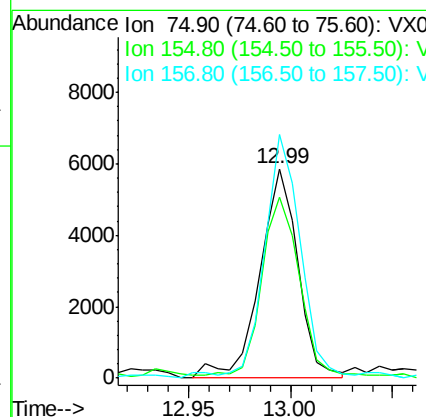
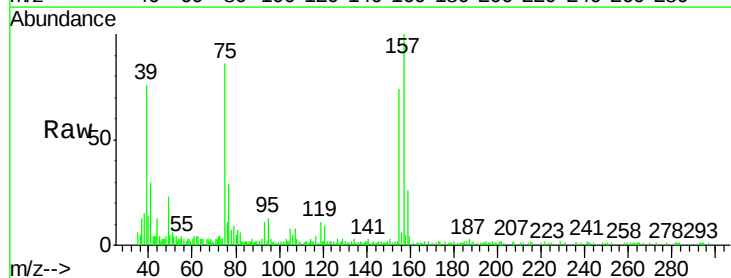
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 146 Resp: 47065  
 Ion Ratio Lower Upper  
 146 100  
 111 40.2 19.6 58.8  
 148 65.9 31.9 95.9



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.48 ug/l  
 RT: 12.99 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

Tgt Ion: 75 Resp: 7653  
 Ion Ratio Lower Upper  
 75 100  
 155 83.6 45.6 136.9  
 157 110.2 60.3 180.9

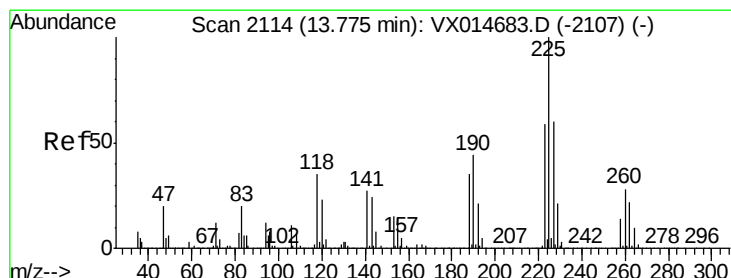
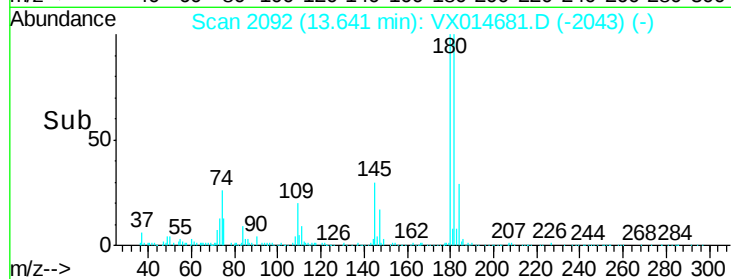
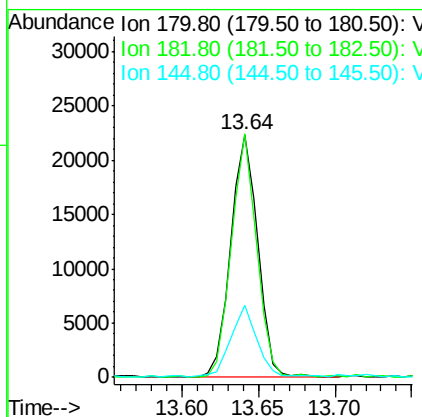
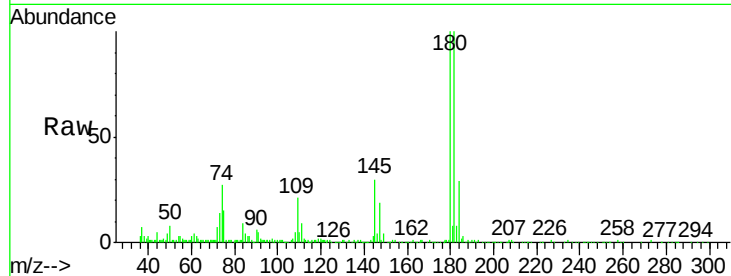




#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.84 ug/l  
 RT: 13.64 min Scan# 2092  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

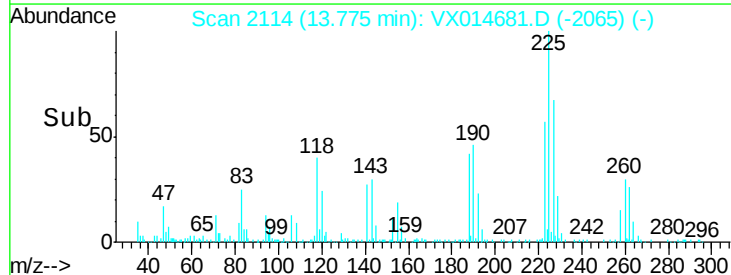
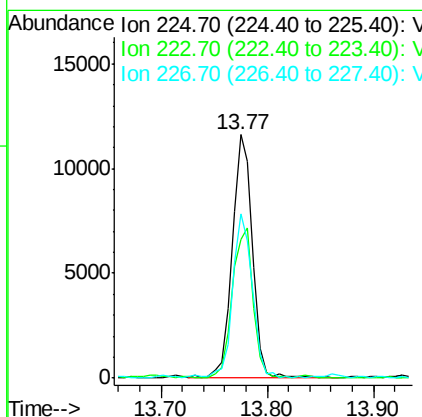
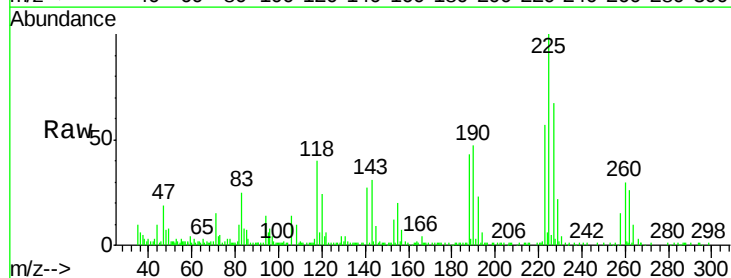
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

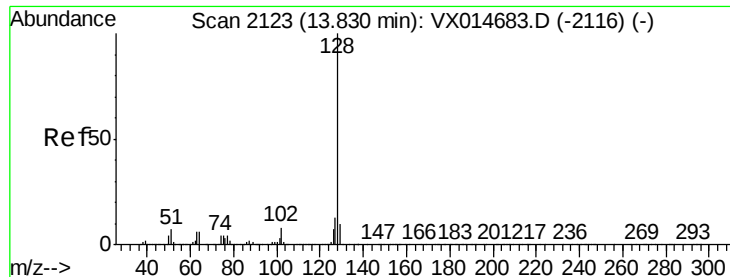
Tgt Ion:180 Resp: 27395  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 48.5 145.6  
 145 27.9 14.0 41.9



#94  
 Hexachlorobutadiene  
 Concen: 4.61 ug/l  
 RT: 13.77 min Scan# 2114  
 Delta R.T. 0.00 min  
 Lab File: VX014681.D  
 Acq: 22 Jan 2020 10:41

Tgt Ion:225 Resp: 15490  
 Ion Ratio Lower Upper  
 225 100  
 223 63.3 30.6 91.8  
 227 66.1 31.4 94.0

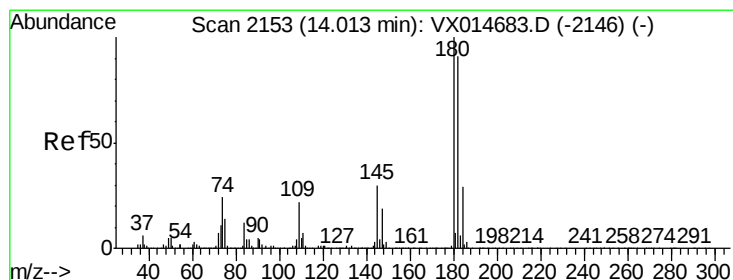
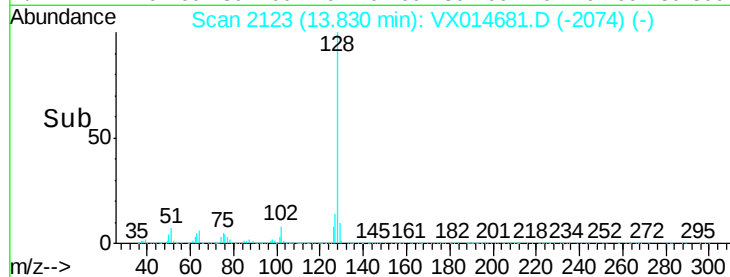
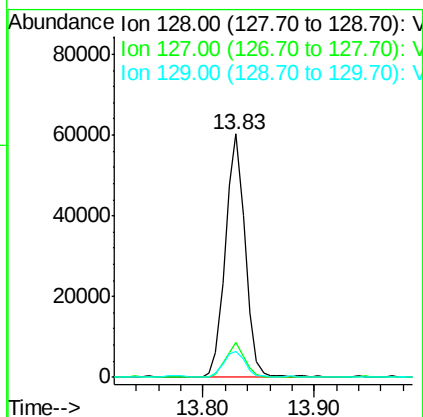
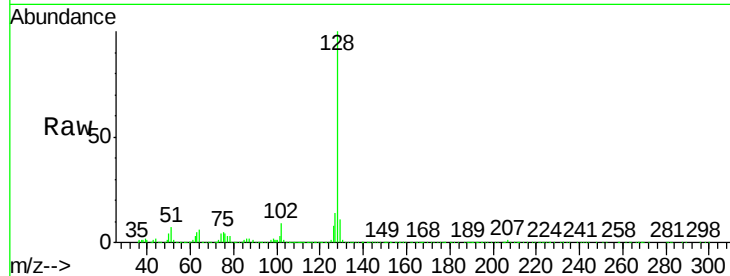




#95  
Naphthalene  
Concen: 3.62 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 14.0  | 10.3  | 15.5  |
| 129     | 11.5  | 8.6   | 12.8  |



#96  
1,2,3-Trichlorobenzene  
Concen: 4.11 ug/l  
RT: 14.01 min Scan# 2153  
Delta R.T. 0.00 min  
Lab File: VX014681.D  
Acq: 22 Jan 2020 10:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.7  | 46.6  | 139.7 |
| 145     | 29.1  | 14.7  | 44.1  |

