

Data File : VX001956.D

Acq On : 24 May 2018 22:31

Operator : JC/MD

Sample : VSTDIC005

Misc : 5.0mL/MSVOA\_X/WATER

ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Quant Time: May 25 01:52:21 2018

Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\624X052518W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri May 25 01:52:03 2018

Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.03  | 128  | 67197    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.87  | 114  | 370067   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.12 | 117  | 327011   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.08   | 65    | 158152   | 32.01    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 106.70% |
| 60) 4-Bromofluorobenzene  | 11.14  | 95    | 160910   | 30.74    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 102.47% |
| 63) Toluene-d8            | 8.72   | 98    | 449228   | 30.87    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 102.90% |

## Target Compounds

|                               |      |     |       |       |        | Qvalue |
|-------------------------------|------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 19658 | 6.17  | ug/l   | 100    |
| 3) Chloromethane              | 1.32 | 50  | 23414 | 6.46  | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 22565 | 6.02  | ug/l   | 99     |
| 5) Bromomethane               | 1.64 | 94  | 14301 | 7.76  | ug/l   | 99     |
| 6) Chloroethane               | 1.72 | 64  | 13851 | 5.67  | ug/l   | 94     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 34690 | 6.33  | ug/l   | 100    |
| 8) Diethyl Ether              | 2.19 | 74  | 13318 | 5.76  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 18719 | 6.22  | ug/l   | 98     |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 17619 | 5.72  | ug/l   | 96     |
| 11) Methyl Iodide             | 2.51 | 142 | 22153 | 4.86  | ug/l   | 98     |
| 12) Methyl Acetate            | 2.79 | 43  | 28876 | 5.58  | ug/l   | 95     |
| 13) Acrolein                  | 2.30 | 56  | 14074 | 24.91 | ug/l   | 94     |
| 14) Acrylonitrile             | 3.15 | 53  | 59168 | 28.36 | ug/l   | 100    |
| 15) Acetone                   | 2.45 | 58  | 16227 | 28.97 | ug/l   | 97     |
| 16) Carbon Disulfide          | 2.57 | 76  | 51068 | 6.46  | ug/l   | 99     |
| 17) Allyl chloride            | 2.73 | 41  | 36712 | 6.12  | ug/l   | 98     |
| 18) Methylene Chloride        | 2.86 | 84  | 19977 | 5.54  | ug/l   | 94     |
| 19) trans-1,2-Dichloroethene  | 3.17 | 96  | 18544 | 5.57  | ug/l   | 92     |
| 20) Diisopropyl ether         | 3.89 | 45  | 71154 | 6.31  | ug/l   | 98     |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 37484 | 5.90  | ug/l   | 97     |
| 22) cis-1,2-Dichloroethene    | 4.60 | 96  | 22401 | 5.90  | ug/l # | 32     |
| 23) tert-Butyl Alcohol        | 3.09 | 59  | 30271 | 31.36 | ug/l # | 100    |
| 24) Methyl tert-Butyl Ether   | 3.21 | 73  | 69764 | 6.13  | ug/l   | 99     |
| 25) Chloroform                | 5.23 | 83  | 38537 | 5.86  | ug/l   | 97     |
| 26) Cyclohexane               | 5.57 | 56  | 33779 | 6.92  | ug/l # | 100    |
| 29) 1,1-Dichloropropene       | 5.80 | 75  | 26934 | 5.80  | ug/l   | 99     |
| 30) 2-Butanone                | 4.72 | 43  | 97546 | 31.31 | ug/l   | 99     |
| 31) 2,2-Dichloropropane       | 4.59 | 77  | 25707 | 6.35  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 36589 | 6.17  | ug/l   | 99     |
| 33) Carbon Tetrachloride      | 5.79 | 117 | 32634 | 6.17  | ug/l   | 97     |
| 34) Benzene                   | 6.15 | 78  | 82849 | 5.63  | ug/l   | 98     |
| 35) Methacrylonitrile         | 5.08 | 41  | 21789 | 6.44  | ug/l   | 91     |
| 36) 1,2-Dichloroethane        | 6.21 | 62  | 31247 | 5.39  | ug/l # | 95     |
| 37) Trichloroethene           | 7.22 | 130 | 22874 | 5.32  | ug/l   | 91     |
| 38) Methylcyclohexane         | 7.46 | 83  | 31489 | 6.22  | ug/l   | 98     |
| 39) 1,2-Dichloropropane       | 7.52 | 63  | 23077 | 6.14  | ug/l   | 98     |
| 40) Dibromomethane            | 7.67 | 93  | 15054 | 5.68  | ug/l   | 97     |

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Operator : JC/MD

Sample : VSTDIC005

Misc : 5.0mL/MSVOA\_X/WATER

ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Quant Time: May 25 01:52:21 2018

Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\624X052518W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri May 25 01:52:03 2018

Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 41) Bromodichloromethane       | 7.91  | 83   | 30944    | 6.06   | ug/l   | 99       |
| 42) Vinyl Acetate              | 3.83  | 43   | 309614   | 30.20  | ug/l   | 99       |
| 43) Ethyl Acetate              | 4.88  | 43   | 37939    | 6.33   | ug/l   | 99       |
| 44) Isopropyl Acetate          | 6.48  | 43   | 61753    | 6.57   | ug/l   | 99       |
| 45) 1,4-Dioxane                | 7.77  | 88   | 11833    | 113.11 | ug/l # | 68       |
| 46) Methyl methacrylate        | 7.79  | 41   | 31529    | 6.33   | ug/l   | 99       |
| 47) n-amyl Acetate             | 10.90 | 43   | 55011    | 6.68   | ug/l # | 91       |
| 48) t-1,3-Dichloropropene      | 8.44  | 75   | 34118    | 6.02   | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene    | 9.05  | 75   | 32269    | 6.30   | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane      | 9.22  | 97   | 21129    | 5.47   | ug/l   | 99       |
| 51) Ethyl methacrylate         | 9.19  | 69   | 36233    | 6.15   | ug/l   | 94       |
| 52) 1,3-Dichloropropane        | 9.38  | 76   | 36210    | 5.63   | ug/l   | 98       |
| 53) Dibromochloromethane       | 9.59  | 129  | 25068    | 5.98   | ug/l   | 98       |
| 54) 1,2-Dibromoethane          | 9.68  | 107  | 22858    | 5.57   | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether  | 8.32  | 63   | 85285    | 27.90  | ug/l   | 100      |
| 56) Bromoform                  | 10.86 | 173  | 20658    | 5.91   | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone       | 8.66  | 43   | 196040   | 32.43  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.51  | 43   | 150499   | 33.04  | ug/l   | 99       |
| 61) Tetrachloroethene          | 9.34  | 164  | 27102    | 5.76   | ug/l   | 99       |
| 62) Toluene                    | 8.79  | 91   | 89306    | 5.73   | ug/l   | 99       |
| 64) Chlorobenzene              | 10.15 | 112  | 56388    | 5.54   | ug/l   | 96       |
| 65) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 23451    | 5.97   | ug/l   | 97       |
| 66) Ethyl Benzene              | 10.26 | 91   | 98871    | 6.01   | ug/l   | 99       |
| 67) m/p-Xylenes                | 10.37 | 106  | 73280    | 11.33  | ug/l   | 99       |
| 68) o-Xylene                   | 10.70 | 106  | 36614    | 5.68   | ug/l   | 99       |
| 69) Styrene                    | 10.72 | 104  | 60431    | 5.68   | ug/l   | 99       |
| 70) Isopropylbenzene           | 11.02 | 105  | 97828    | 5.87   | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 31100    | 5.63   | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane     | 11.30 | 75   | 39989    | 7.34   | ug/l   | 88       |
| 73) Bromobenzene               | 11.26 | 156  | 25173    | 5.11   | ug/l   | 97       |
| 74) n-propylbenzene            | 11.37 | 91   | 104155   | 5.67   | ug/l   | 100      |
| 75) 2-Chlorotoluene            | 11.43 | 91   | 66760    | 5.82   | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 81997    | 5.84   | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene    | 11.08 | 75   | 10430    | 6.91   | ug/l   | 99       |
| 78) 4-Chlorotoluene            | 11.52 | 91   | 73164    | 5.62   | ug/l   | 98       |
| 79) tert-butylbenzene          | 12.07 | 119  | 81289    | 5.50   | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 80618    | 5.64   | ug/l   | 97       |
| 81) sec-Butylbenzene           | 11.95 | 105  | 92364    | 5.66   | ug/l   | 100      |
| 82) p-Isopropyltoluene         | 12.07 | 119  | 81289    | 5.50   | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene        | 12.03 | 146  | 43239    | 5.04   | ug/l   | 100      |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 42003    | 4.88   | ug/l   | 99       |
| 85) n-Butylbenzene             | 12.39 | 91   | 63861    | 5.36   | ug/l   | 99       |
| 86) Hexachloroethane           | 12.60 | 117  | 16580    | 6.63   | ug/l   | 98       |
| 87) 1,2-Dichlorobenzene        | 12.40 | 146  | 45848    | 5.16   | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 8926     | 6.57   | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 29586    | 4.68   | ug/l   | 99       |
| 90) Hexachlorobutadiene        | 13.79 | 225  | 16276    | 5.02   | ug/l   | 97       |
| 91) Naphthalene                | 13.84 | 128  | 101353   | 5.26   | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene     | 14.02 | 180  | 32752    | 4.90   | ug/l   | 97       |

Data Path : W:\HPCHEM1\MSVOA\_X\DATA\VX052518\  
Quantitation Report (Not Reviewed)

Data File : VX001956.D  
Acq On : 24 May 2018 22:31  
Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Quant Time: May 25 01:52:21 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\624X052518W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri May 25 01:52:03 2018  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

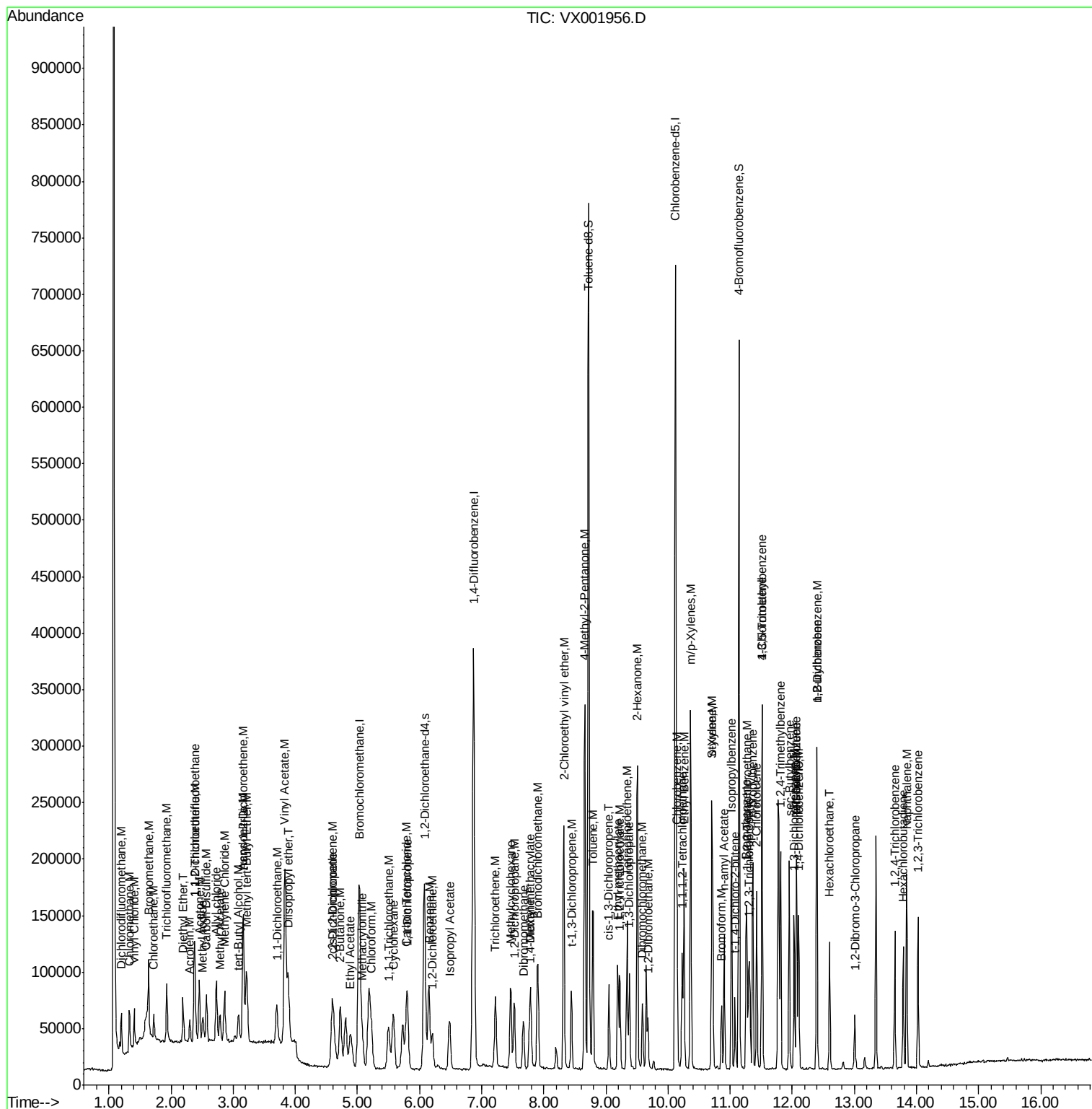
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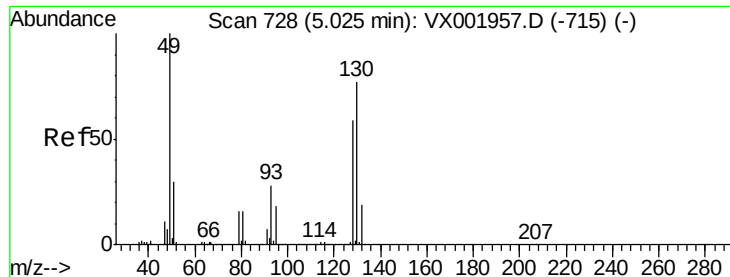
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial      : 24      Sample Multiplier: 1
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VSTDICC005

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

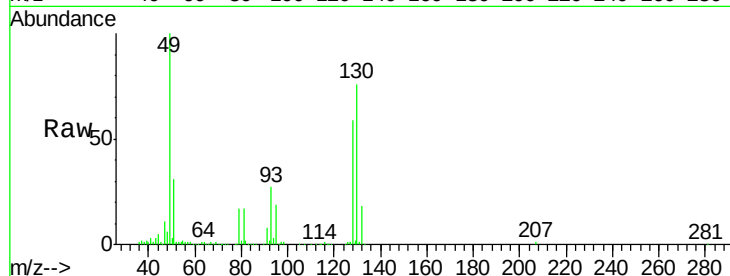
Tgt Ion:128 Resp: 67197

Ion Ratio Lower Upper

128 100

49 172.0 0.0 423.0

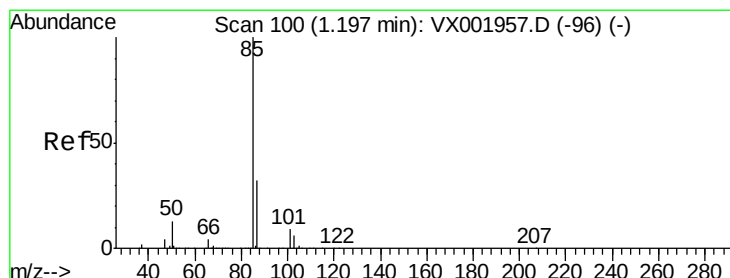
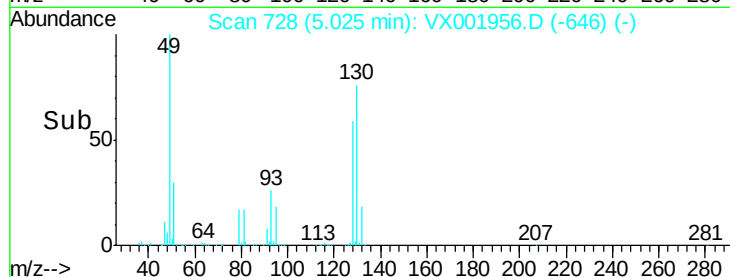
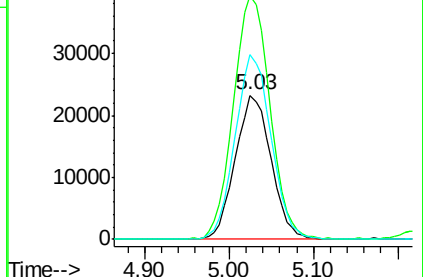
130 128.3 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.17 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001956.D

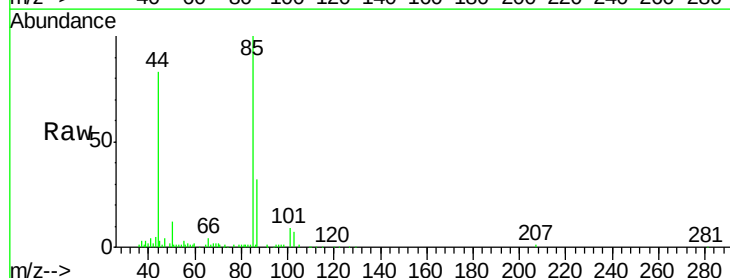
Acq: 24 May 2018 22:31

Tgt Ion: 85 Resp: 19658

Ion Ratio Lower Upper

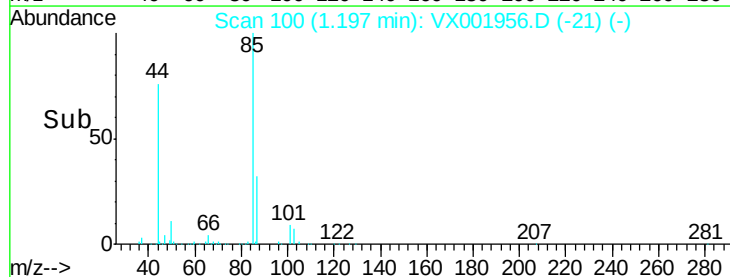
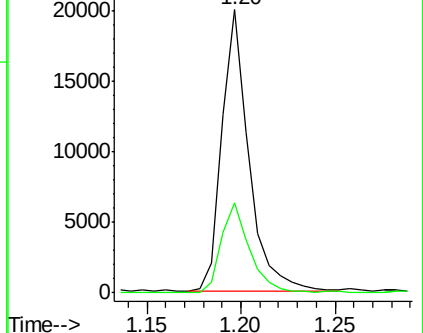
85 100

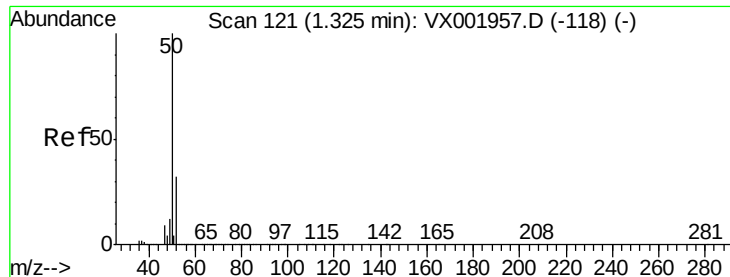
87 32.1 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 6.46 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

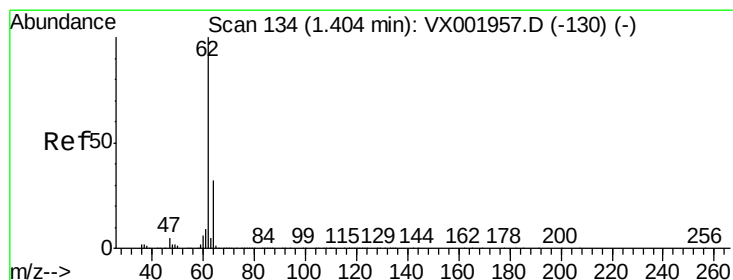
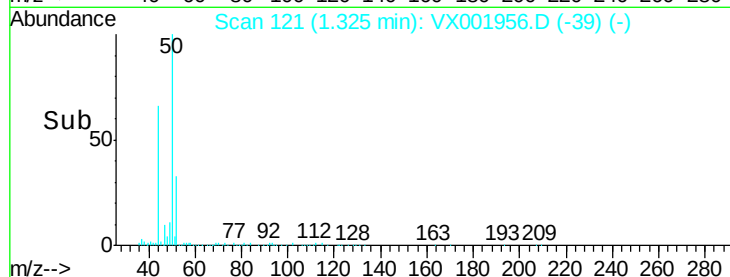
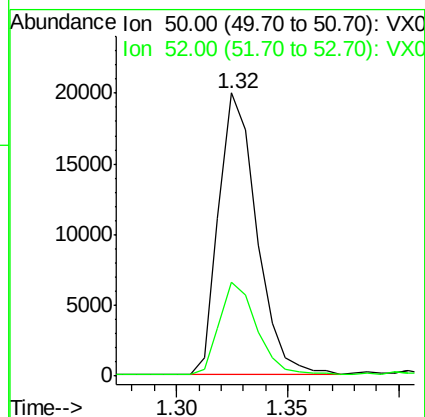
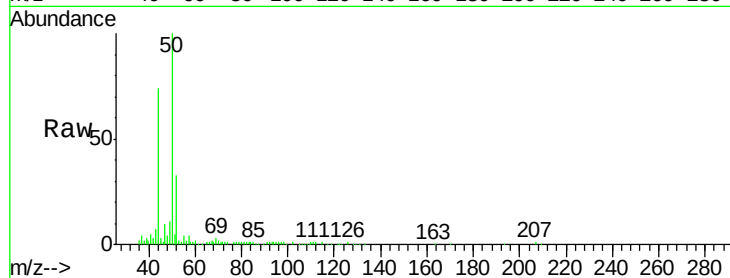
VSTDIC005

Tgt Ion: 50 Resp: 23414

Ion Ratio Lower Upper

50 100

52 32.8 25.6 38.4



#4

Vinyl Chloride

Concen: 6.02 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001956.D

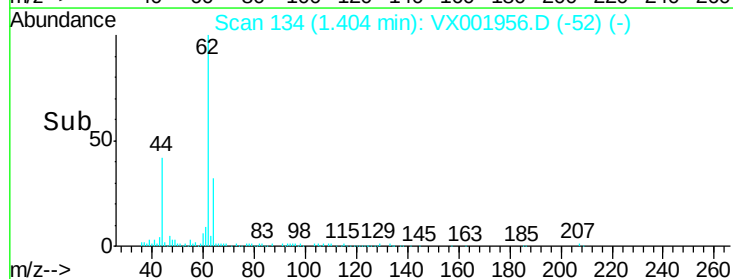
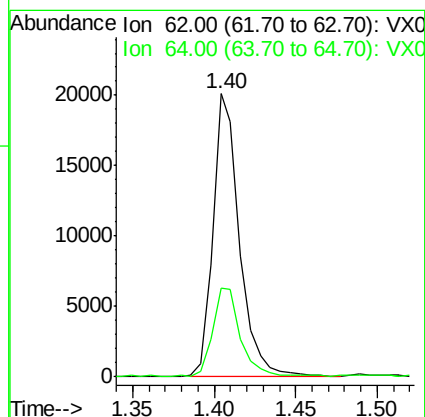
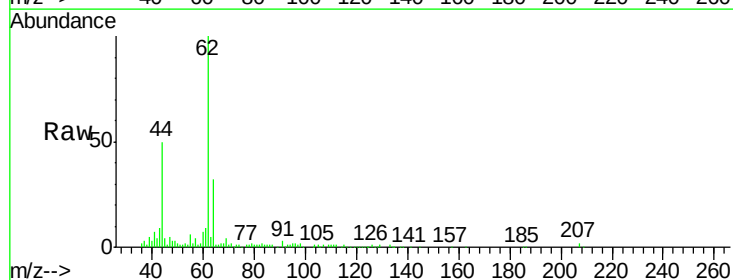
Acq: 24 May 2018 22:31

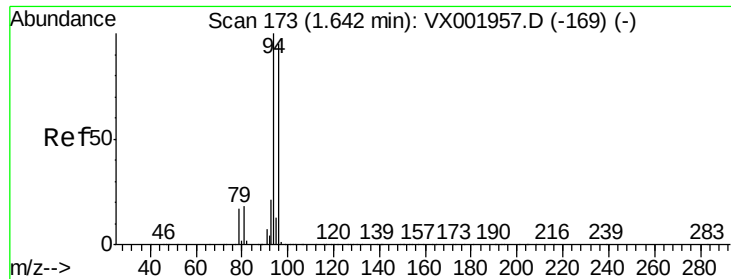
Tgt Ion: 62 Resp: 22565

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 7.76 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

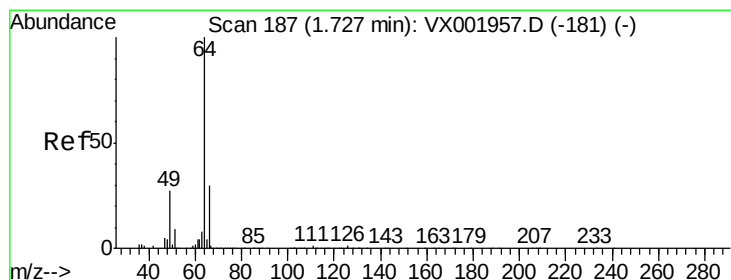
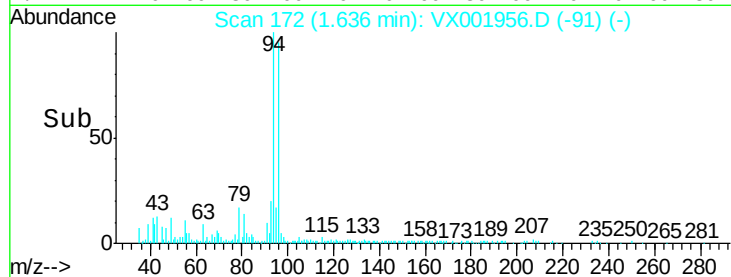
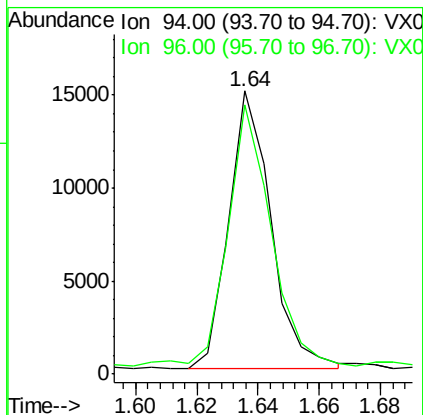
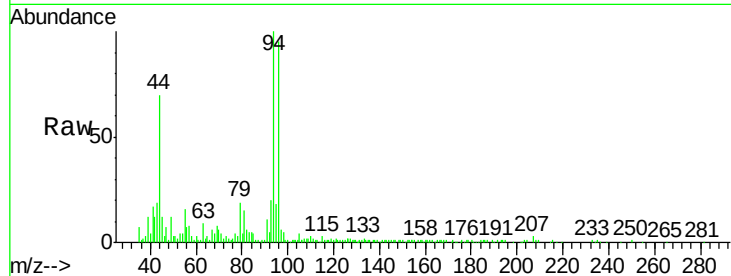
VSTDIC005

Tgt Ion: 94 Resp: 14301

Ion Ratio Lower Upper

94 100

96 93.2 75.7 113.5



#6

Chloroethane

Concen: 5.67 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX001956.D

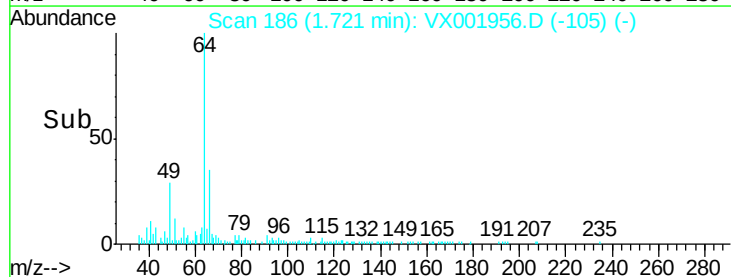
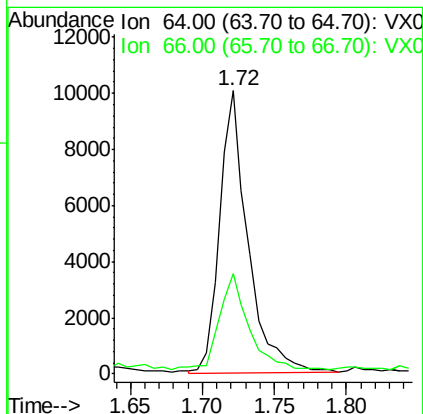
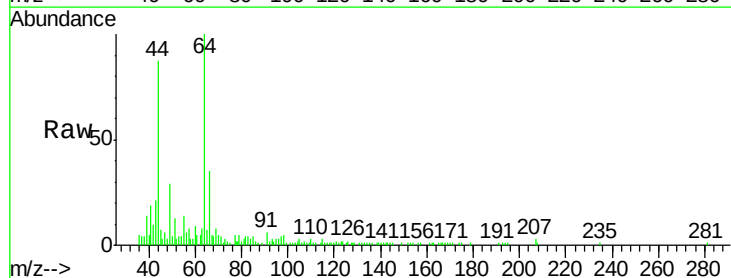
Acq: 24 May 2018 22:31

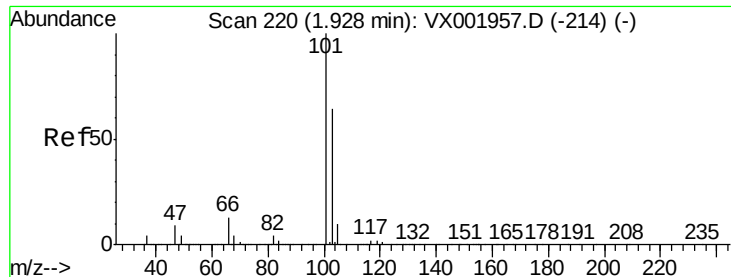
Tgt Ion: 64 Resp: 13851

Ion Ratio Lower Upper

64 100

66 33.7 24.3 36.5



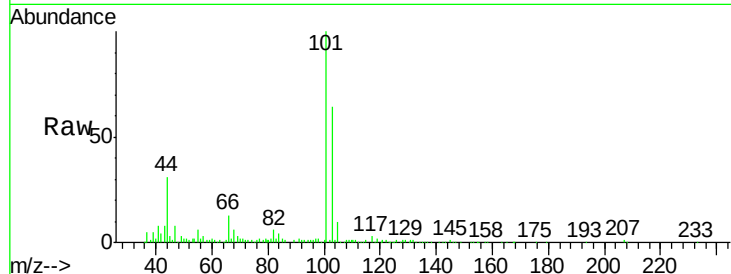


#7

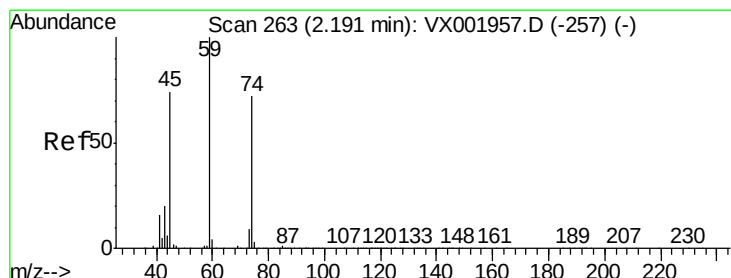
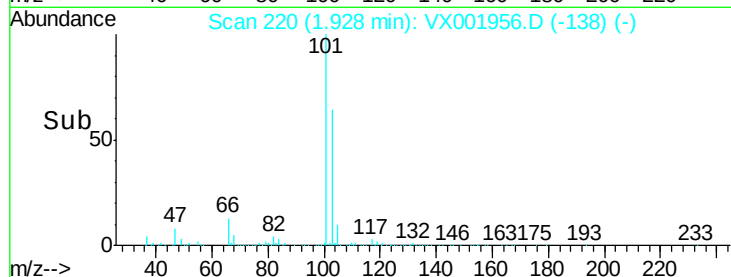
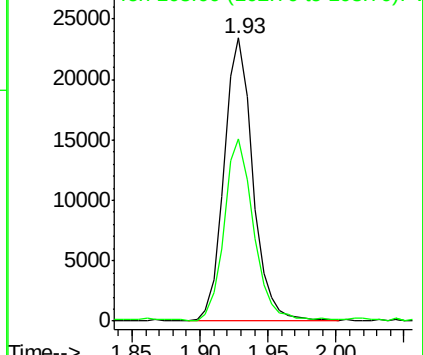
Trichlorofluoromethane  
Concen: 6.33 ug/l  
RT: 1.93 min Scan# 220  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 101 Resp: 34690  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.5 77.3



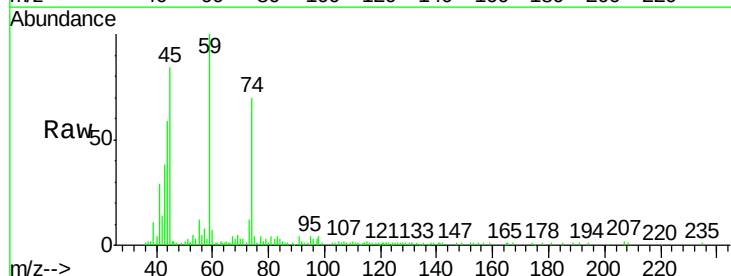
Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 103.00 (102.70 to 103.70): V



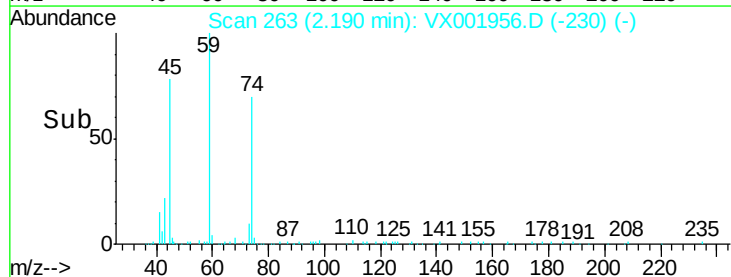
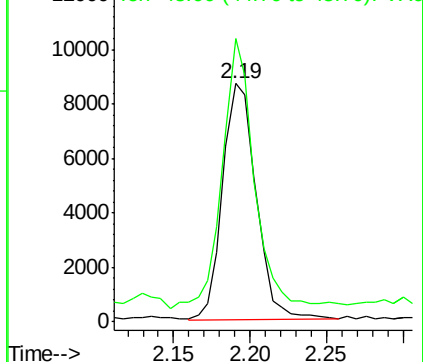
#8

Diethyl Ether  
Concen: 5.76 ug/l  
RT: 2.19 min Scan# 263  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

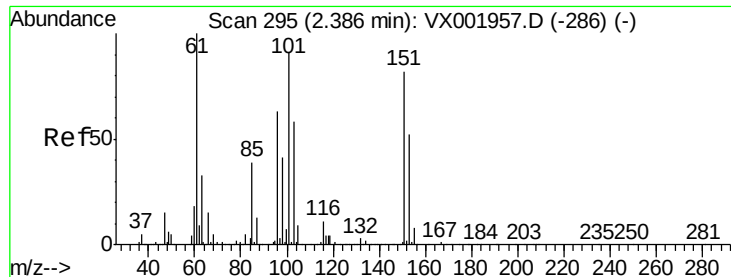
Tgt Ion: 74 Resp: 13318  
Ion Ratio Lower Upper  
74 100  
45 108.7 20.5 184.5



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: 6.22 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

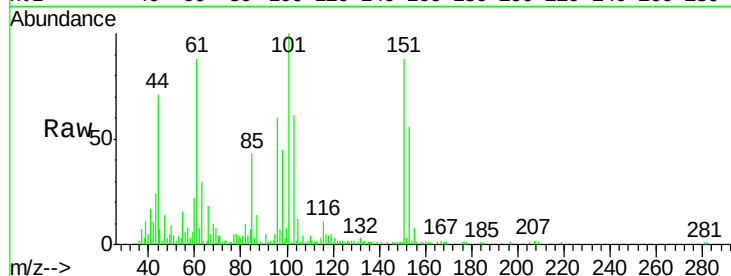
Tgt Ion: 101 Resp: 18719

Ion Ratio Lower Upper

101 100

85 41.2 0.0 87.0

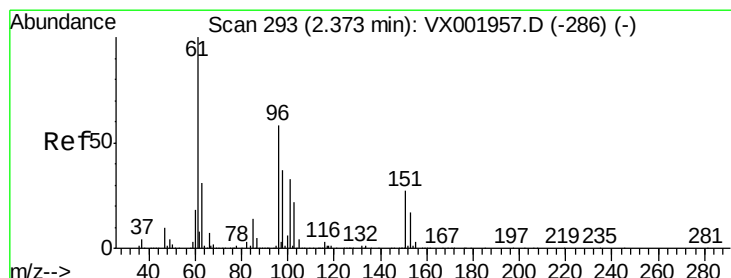
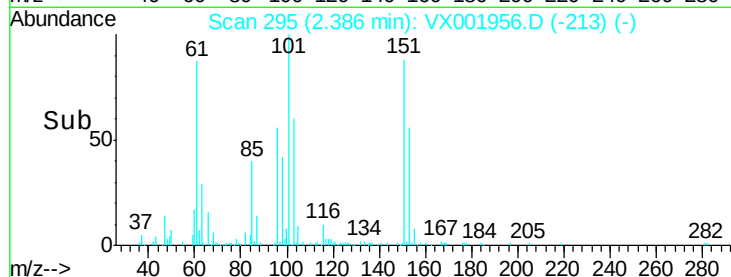
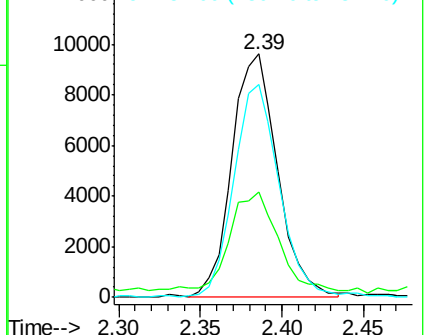
151 87.2 0.0 177.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.72 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

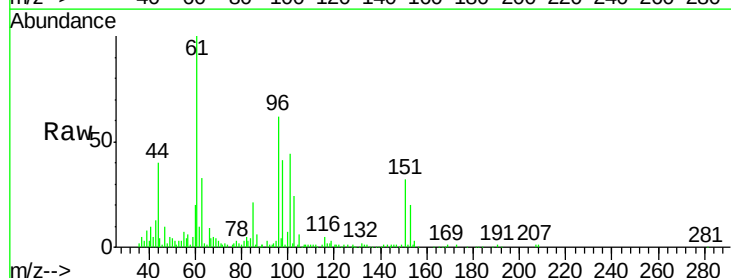
Tgt Ion: 96 Resp: 17619

Ion Ratio Lower Upper

96 100

61 165.7 137.5 206.3

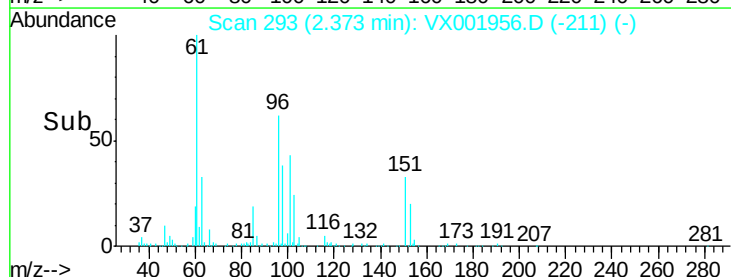
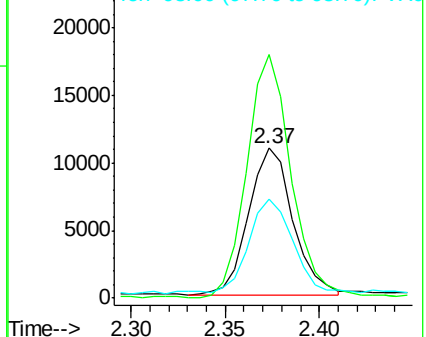
98 63.3 51.4 77.2

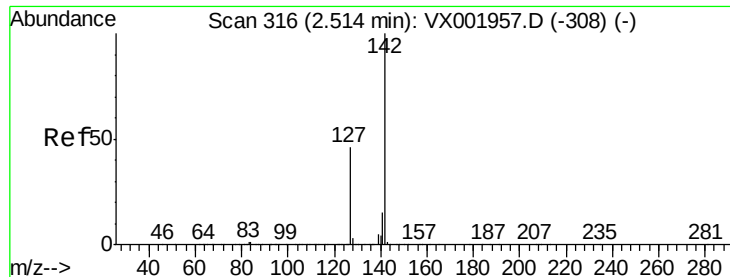


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

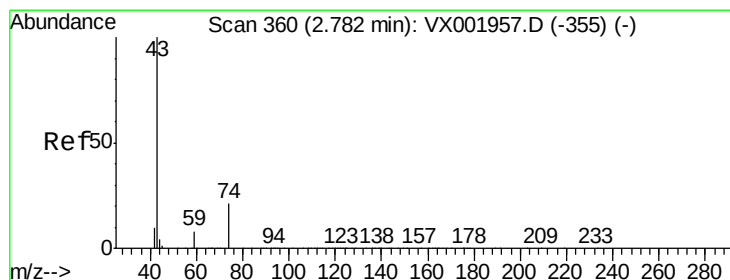
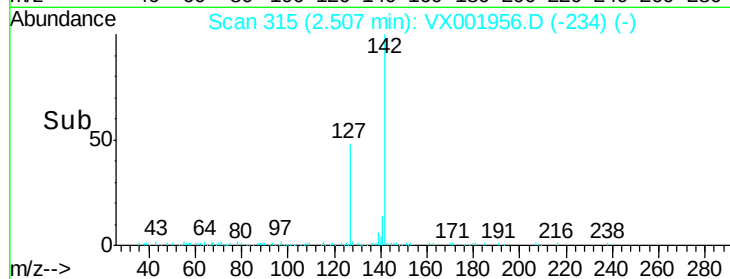
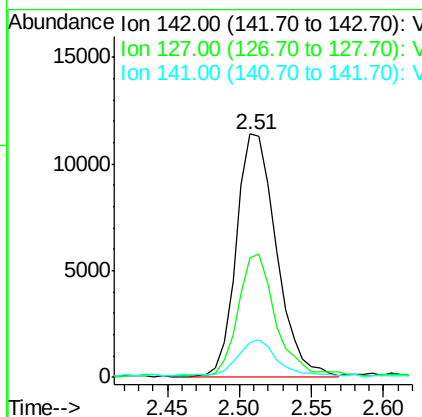
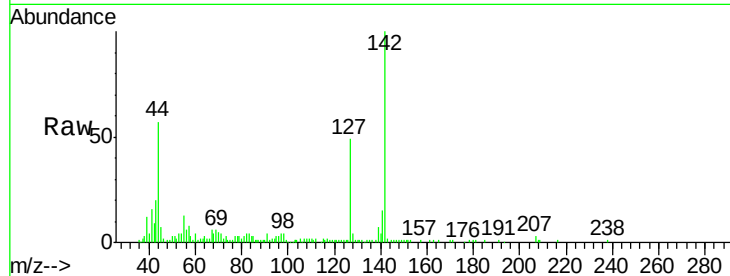




#11  
Methyl Iodide  
Concen: 4.86 ug/l  
RT: 2.51 min Scan# 315  
Delta R.T. -0.01 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

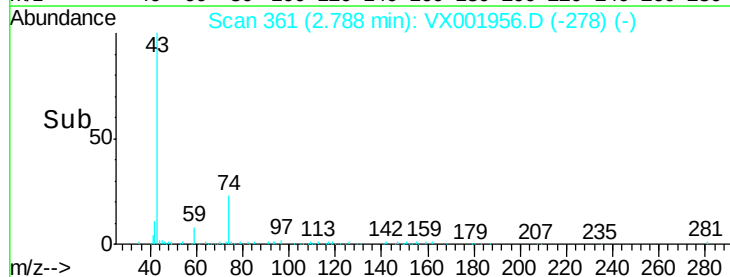
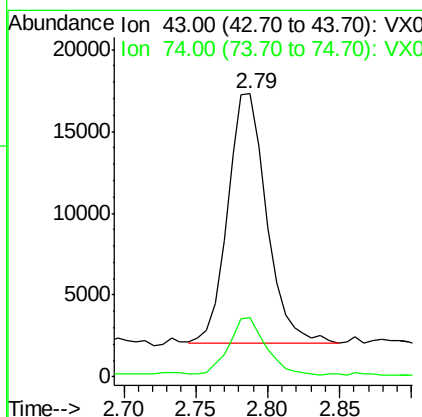
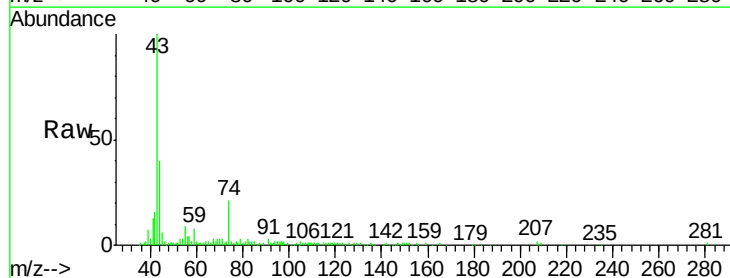
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

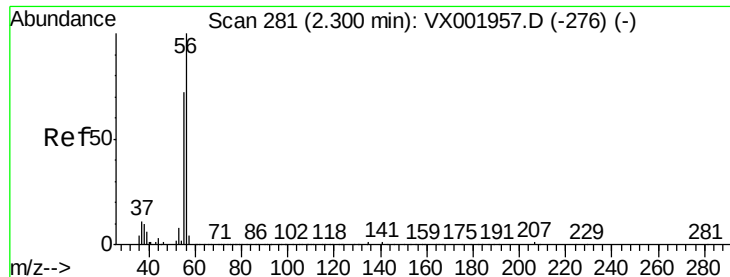
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 47.8  | 23.2  | 69.6  |
| 141     | 13.8  | 7.4   | 22.2  |



#12  
Methyl Acetate  
Concen: 5.58 ug/l  
RT: 2.79 min Scan# 361  
Delta R.T. 0.01 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 22.8  | 16.4  | 24.6  |





#13

Acrolein

Concen: 24.91 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampled :

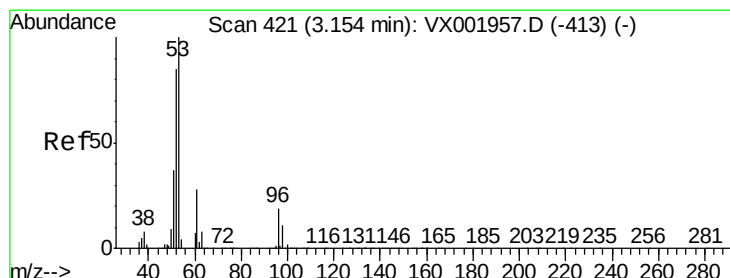
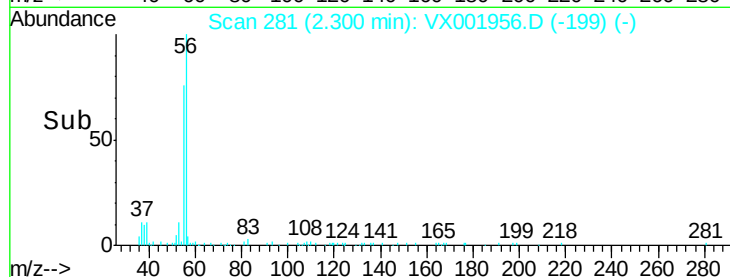
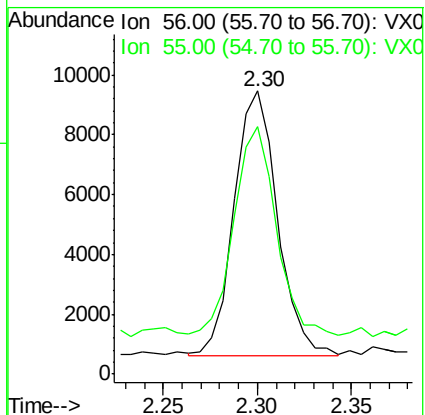
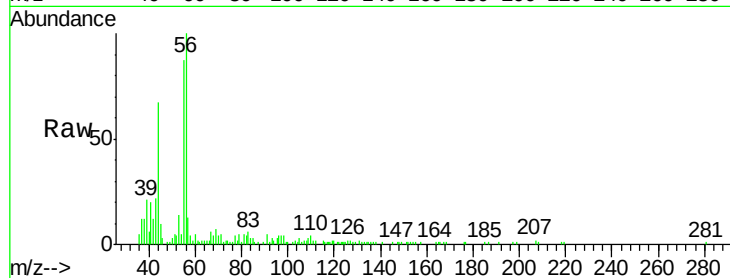
VSTDIC005

Tgt Ion: 56 Resp: 14074

Ion Ratio Lower Upper

56 100

55 76.8 57.3 85.9



#14

Acrylonitrile

Concen: 28.36 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

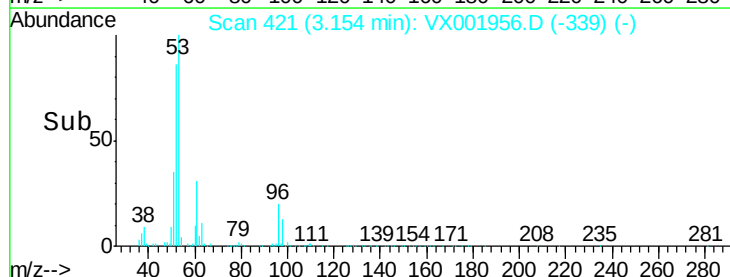
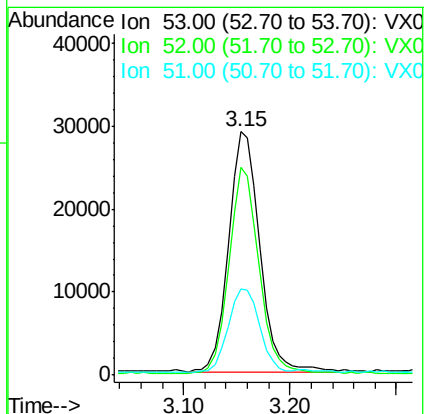
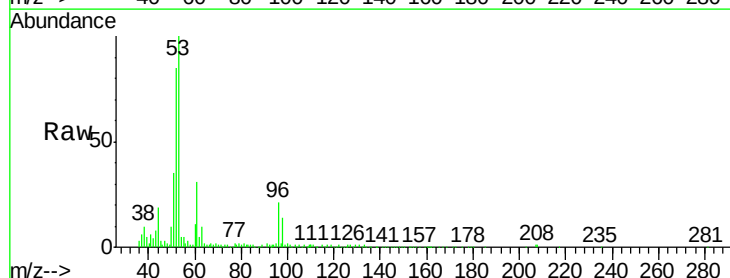
Tgt Ion: 53 Resp: 59168

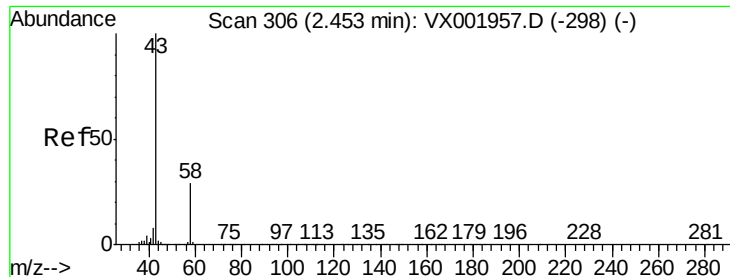
Ion Ratio Lower Upper

53 100

52 82.8 41.5 124.6

51 35.8 17.9 53.8





#15

Acetone

Concen: 28.97 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

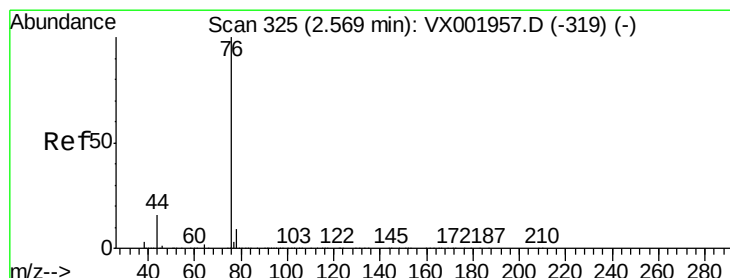
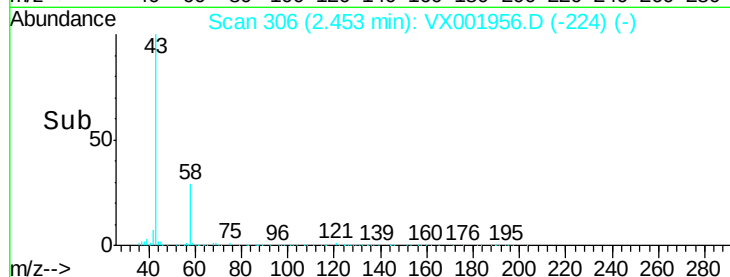
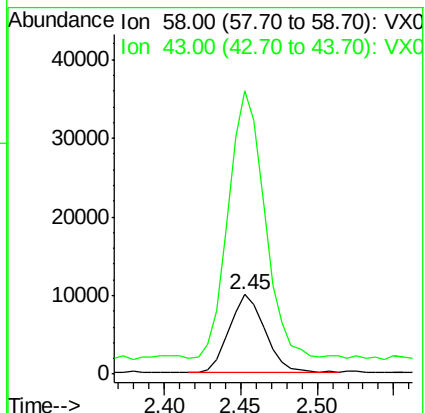
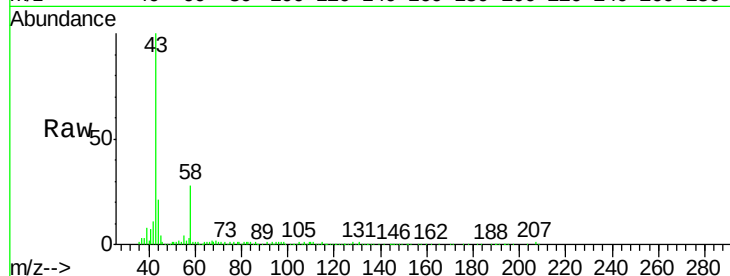
VSTDIC005

Tgt Ion: 58 Resp: 16227

Ion Ratio Lower Upper

58 100

43 342.2 278.8 418.2



#16

Carbon Disulfide

Concen: 6.46 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001956.D

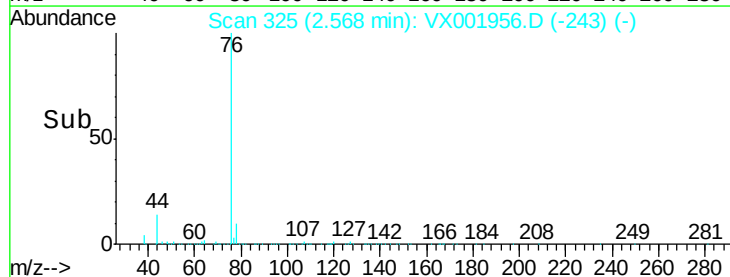
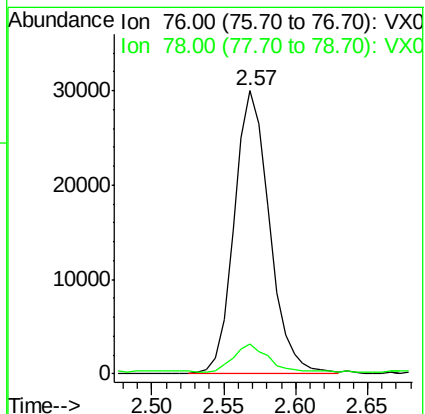
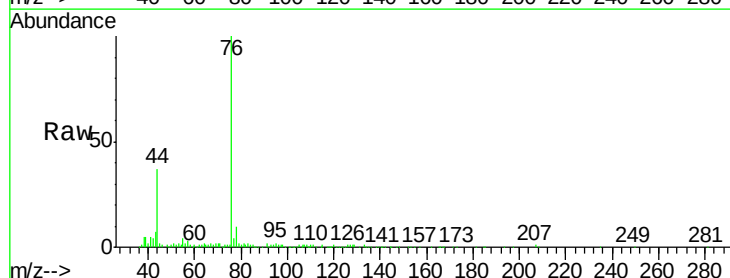
Acq: 24 May 2018 22:31

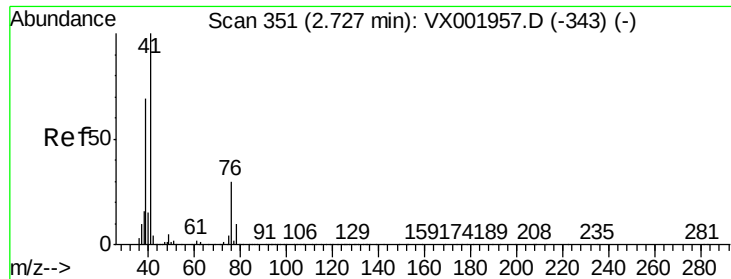
Tgt Ion: 76 Resp: 51068

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0





#17

Allyl chloride

Concen: 6.12 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

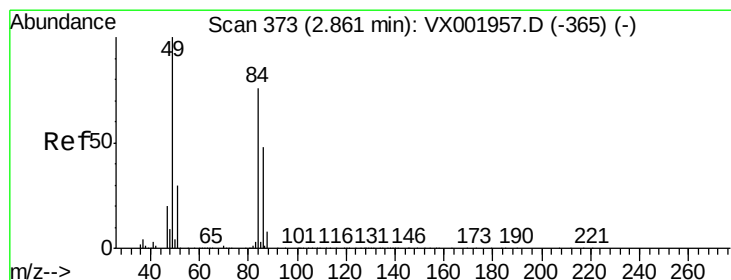
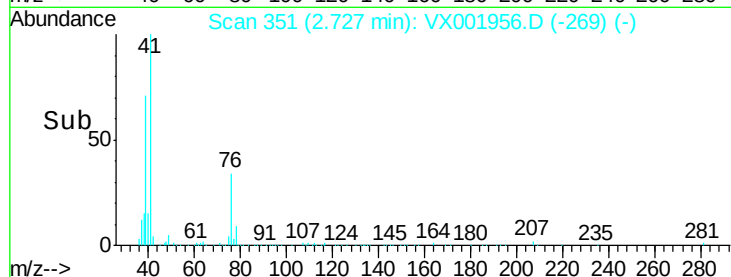
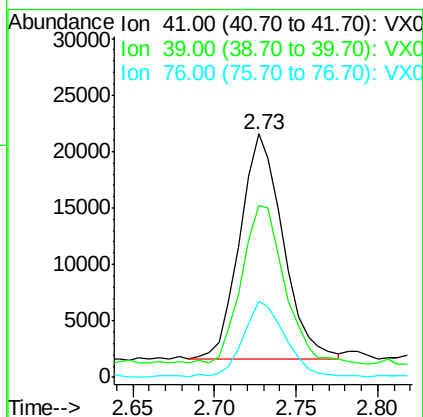
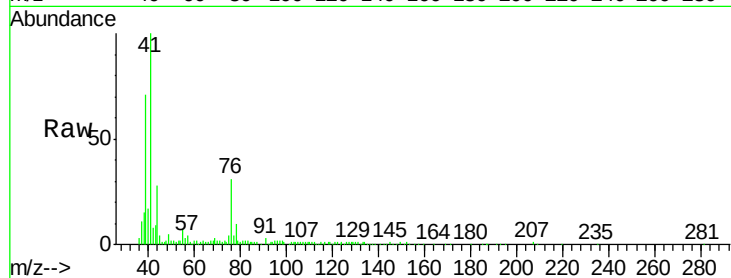
Tgt Ion: 41 Resp: 36712

Ion Ratio Lower Upper

41 100

39 69.9 34.6 103.8

76 33.4 15.0 45.1



#18

Methylene Chloride

Concen: 5.54 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Tgt Ion: 84 Resp: 19977

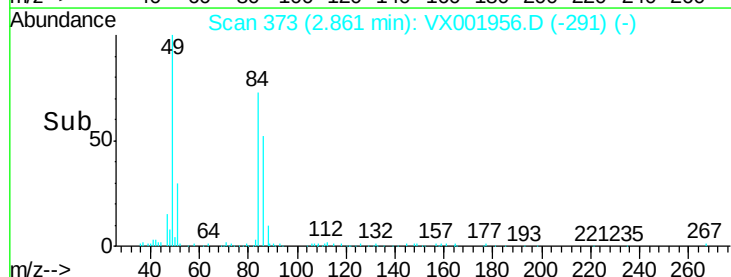
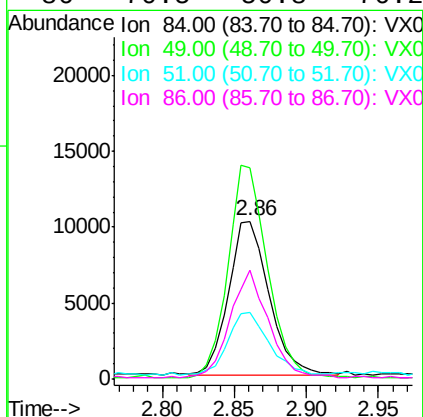
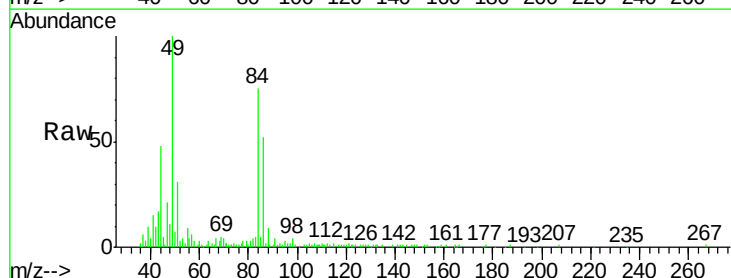
Ion Ratio Lower Upper

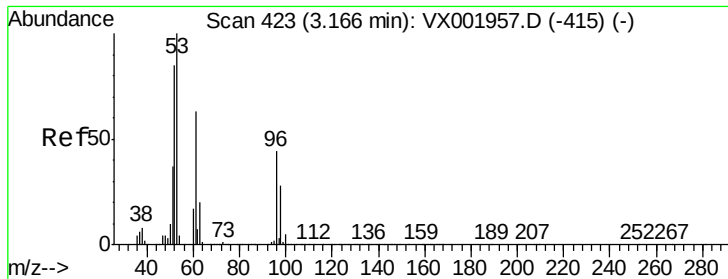
84 100

49 138.1 104.7 157.1

51 40.4 31.0 46.4

86 70.5 50.8 76.2





#19

trans-1,2-Dichloroethene

Concen: 5.57 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

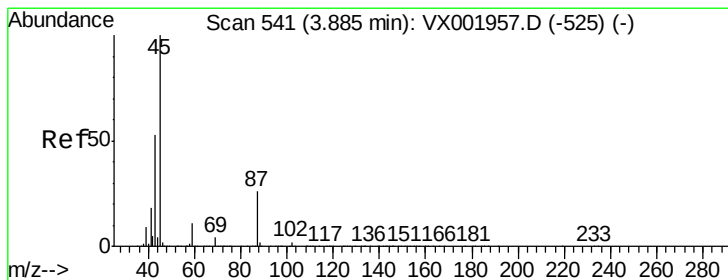
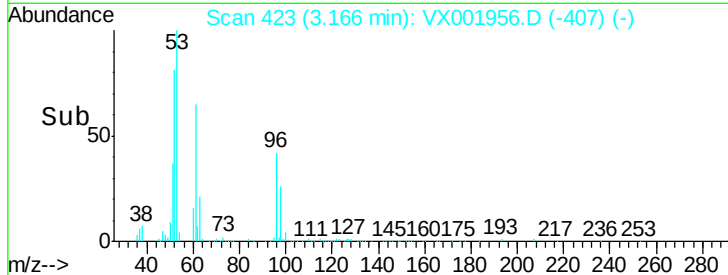
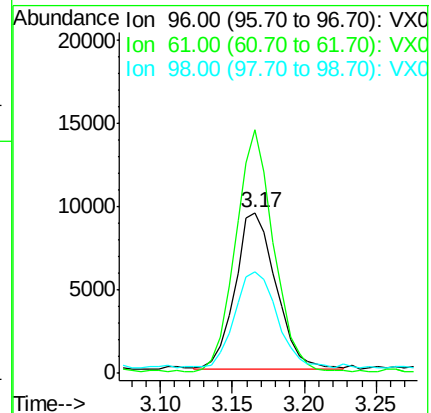
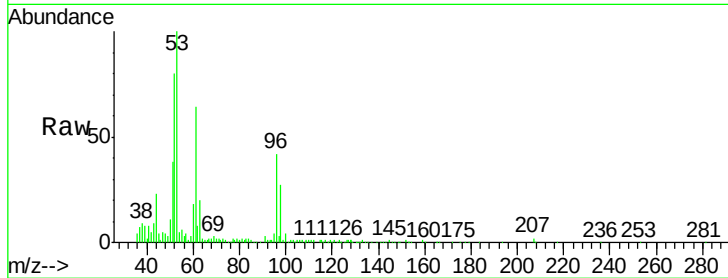
Tgt Ion: 96 Resp: 18544

Ion Ratio Lower Upper

96 100

61 154.7 114.6 172.0

98 60.9 51.3 76.9



#20

Diisopropyl ether

Concen: 6.31 ug/l

RT: 3.89 min Scan# 541

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Tgt Ion: 45 Resp: 71154

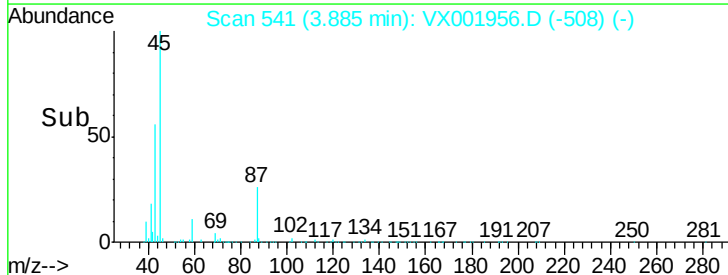
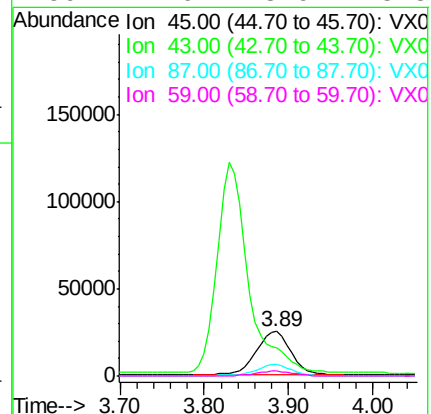
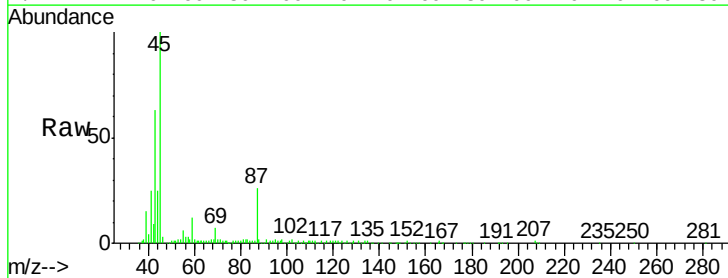
Ion Ratio Lower Upper

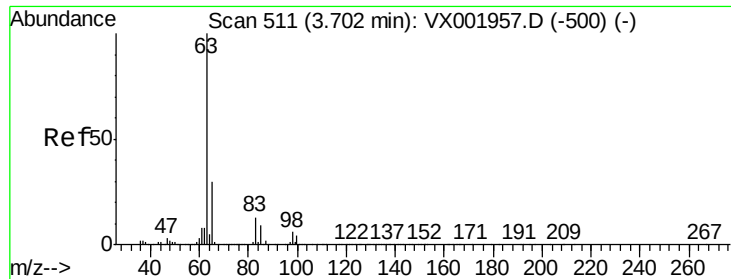
45 100

43 55.6 45.6 68.4

87 26.4 20.7 31.1

59 11.6 8.9 13.3





#21

1,1-Dichloroethane

Concen: 5.90 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

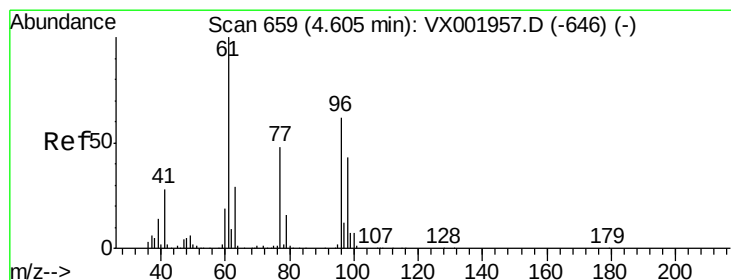
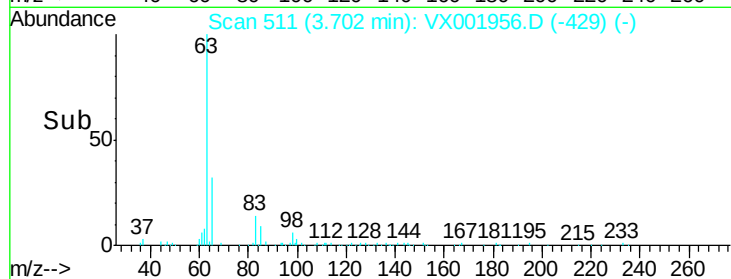
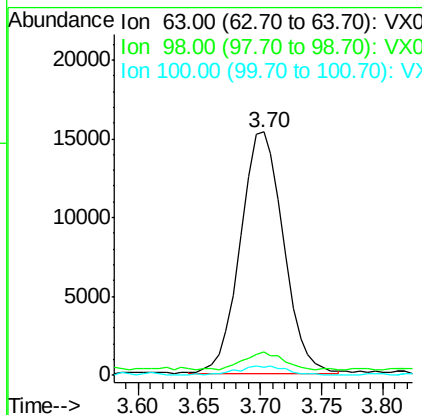
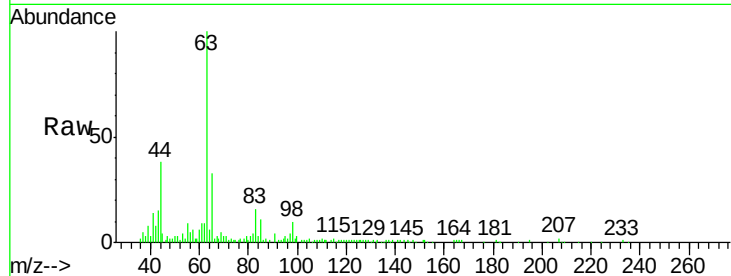
Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 37484 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 7.4   | 3.1   | 9.3   |
| 100      | 3.5   | 2.2   | 6.6   |



#22

cis-1,2-Dichloroethene

Concen: 5.90 ug/l

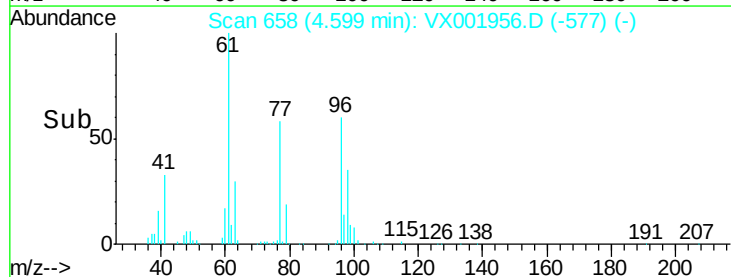
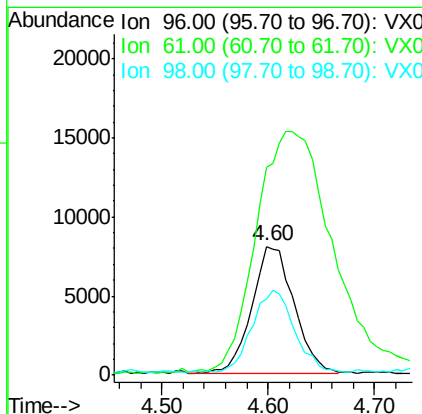
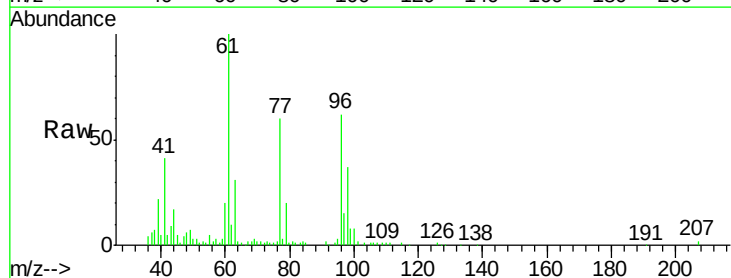
RT: 4.60 min Scan# 658

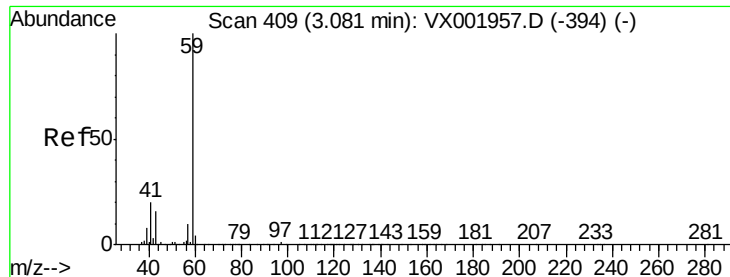
Delta R.T. -0.01 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 22401  |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 336.4 | 160.2 | 240.2# |
| 98       | 64.0  | 54.1  | 81.1   |





#23

tert-Butyl Alcohol

Concen: 31.36 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

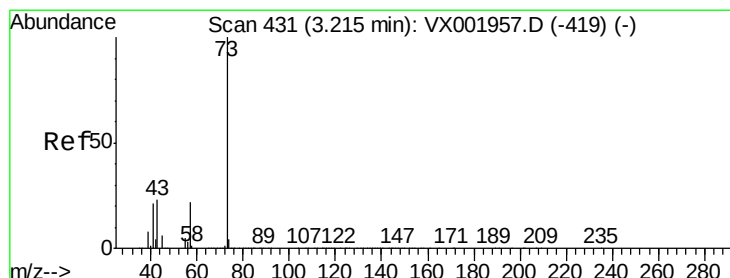
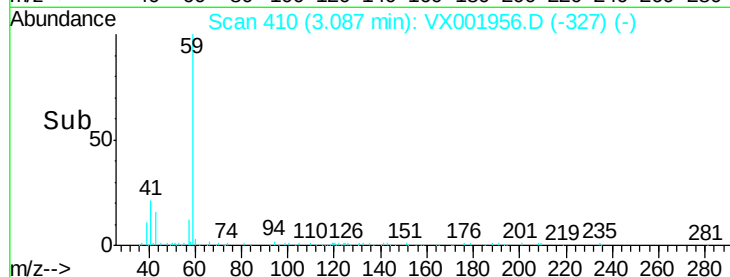
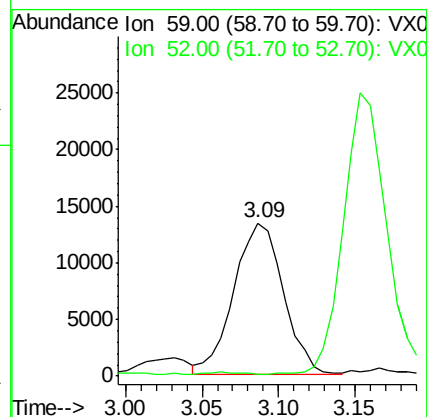
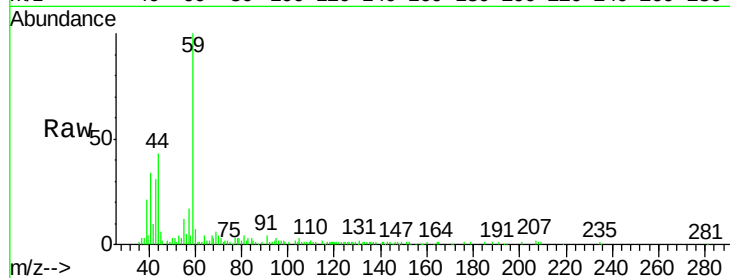
VSTDIC005

Tgt Ion: 59 Resp: 30271

Ion Ratio Lower Upper

59 100

52 0.2 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 6.13 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX001956.D

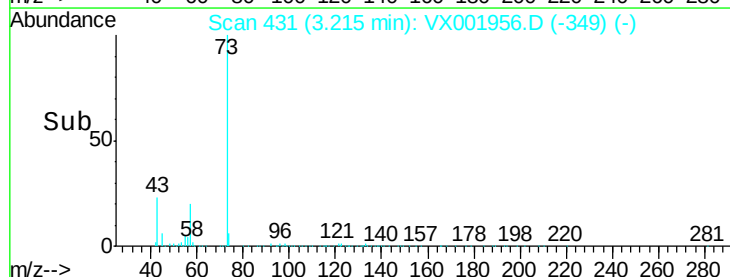
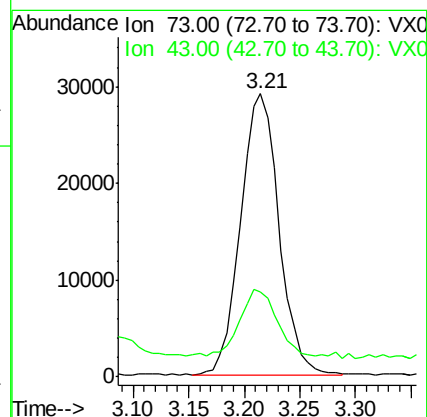
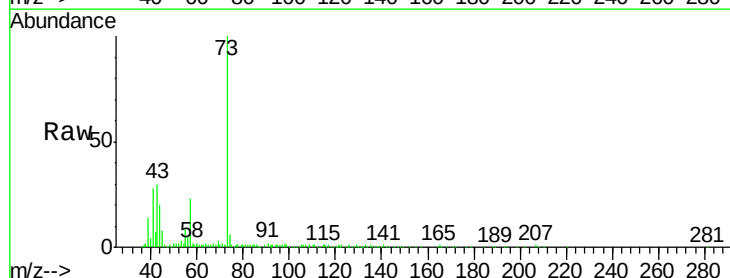
Acq: 24 May 2018 22:31

Tgt Ion: 73 Resp: 69764

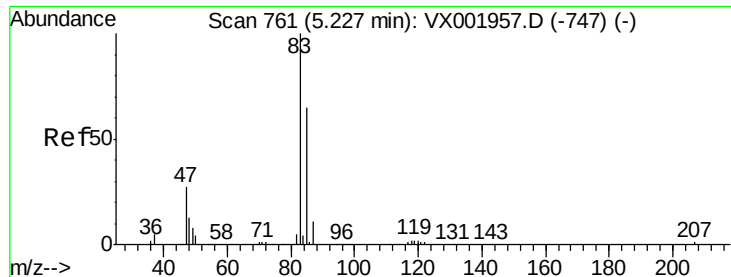
Ion Ratio Lower Upper

73 100

43 24.2 19.0 28.4



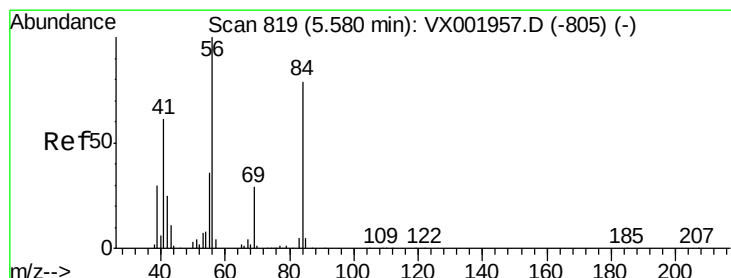
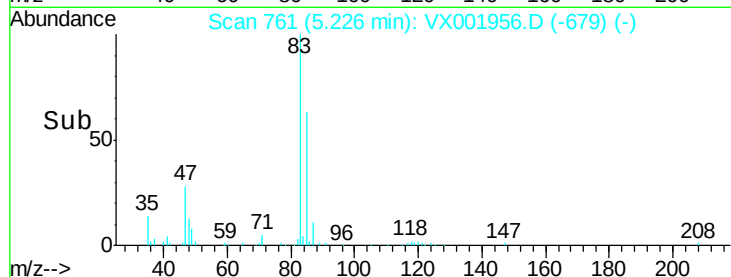
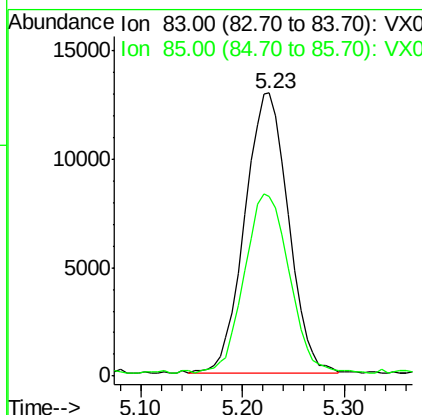
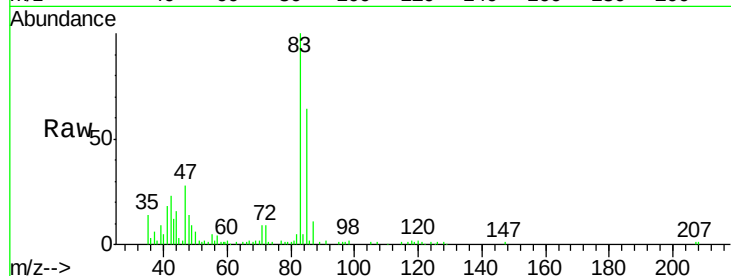




#25  
Chloroform  
Concen: 5.86 ug/l  
RT: 5.23 min Scan# 761  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

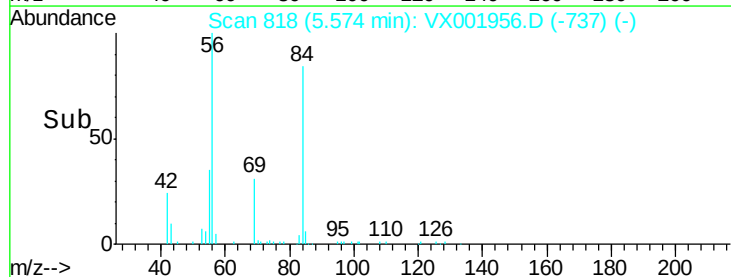
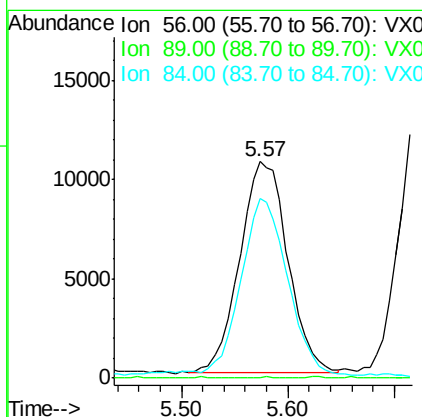
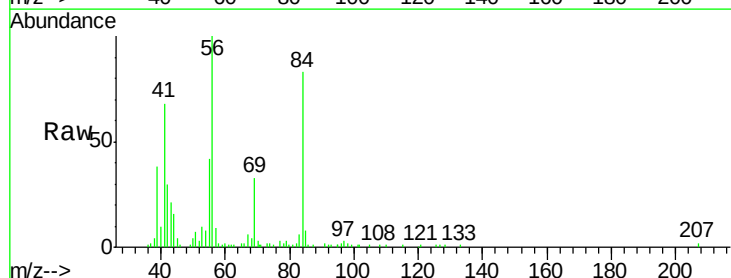
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC005

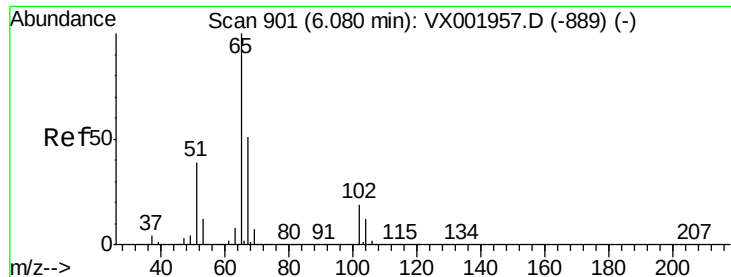
Tgt Ion: 83 Resp: 38537  
Ion Ratio Lower Upper  
83 100  
85 62.6 51.9 77.9



#26  
Cyclohexane  
Concen: 6.92 ug/l  
RT: 5.57 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

Tgt Ion: 56 Resp: 33779  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.1 0.1#  
84 80.9 64.9 97.3

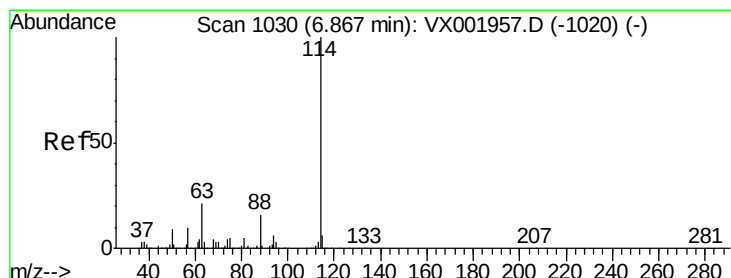
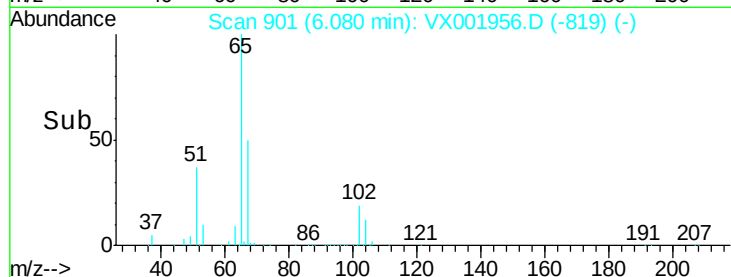
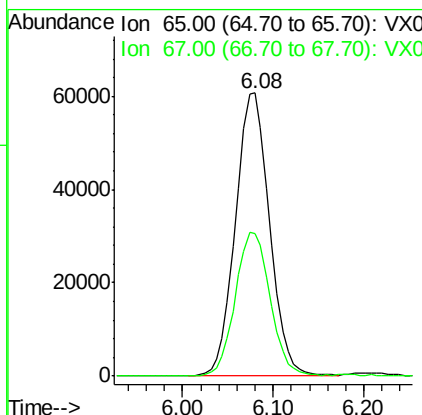
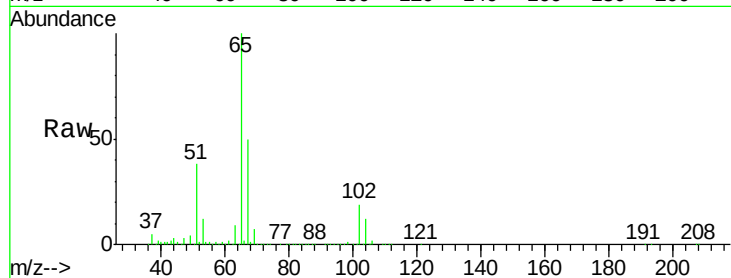




#27  
 1,2-Dichloroethane-d4  
 Concen: 32.01 ug/l  
 RT: 6.08 min Scan# 901  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

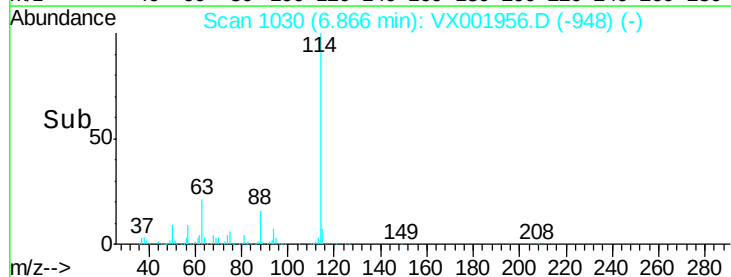
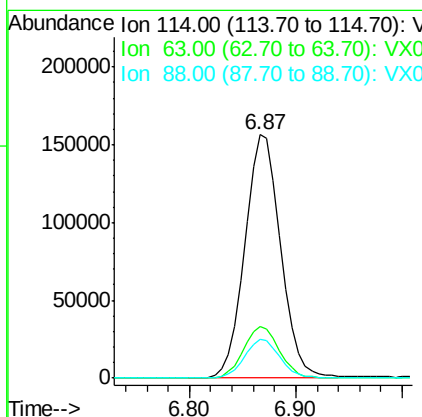
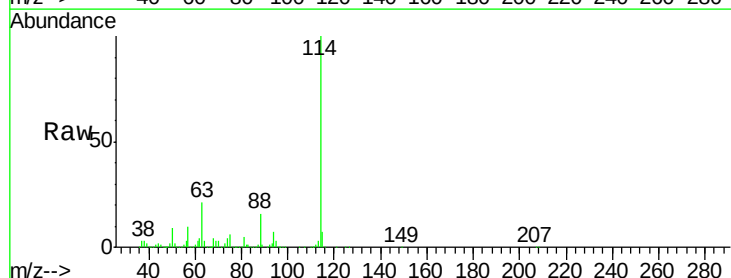
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

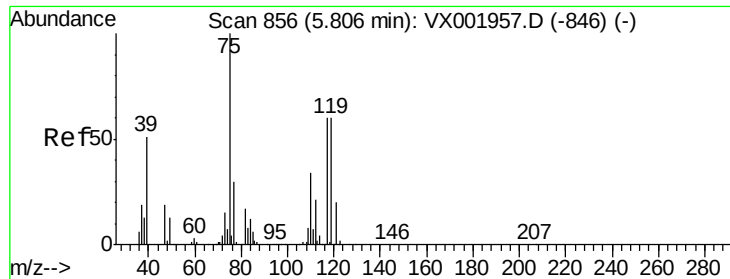
Tgt Ion: 65 Resp: 158152  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 40.9 61.3



#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

Tgt Ion: 114 Resp: 370067  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 17.1 25.7  
 88 15.8 12.6 19.0





#29

1,1-Dichloropropene

Concen: 5.80 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampled :

VSTDIC005

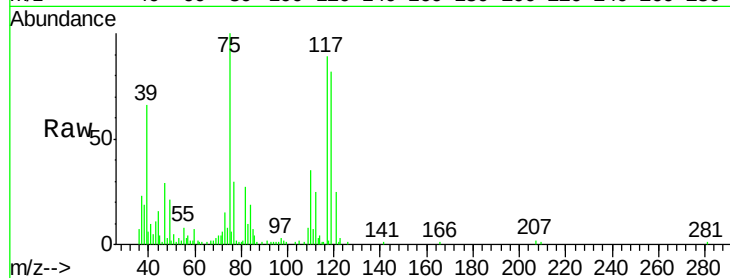
Tgt Ion: 75 Resp: 26934

Ion Ratio Lower Upper

75 100

110 36.5 0.0 71.4

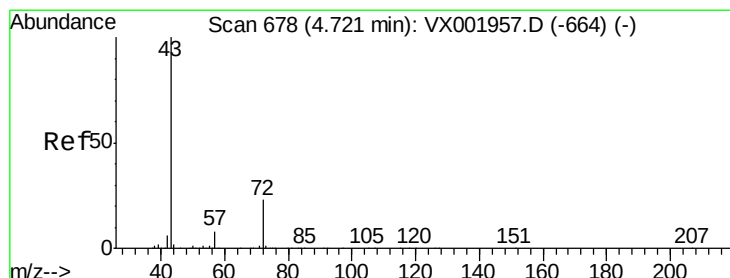
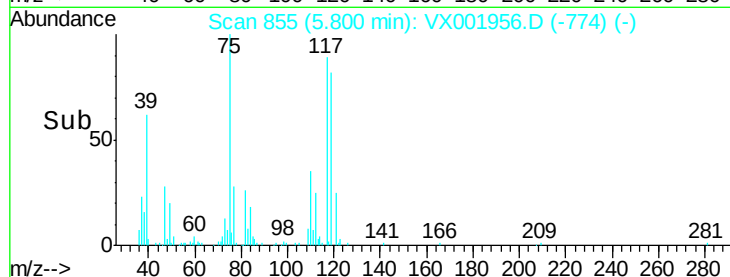
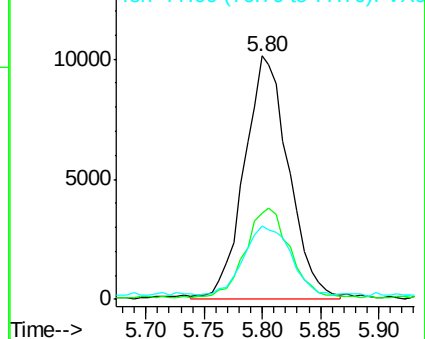
77 29.9 0.0 60.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 31.31 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

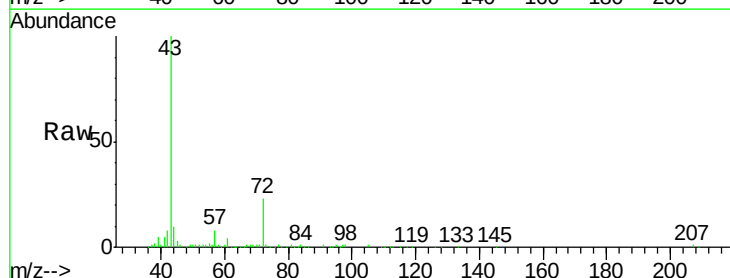
Tgt Ion: 43 Resp: 97546

Ion Ratio Lower Upper

43 100

57 7.5 6.1 9.1

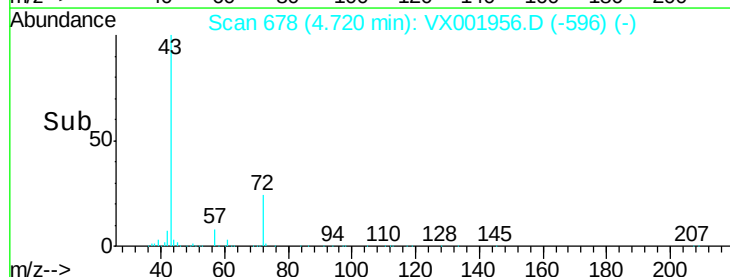
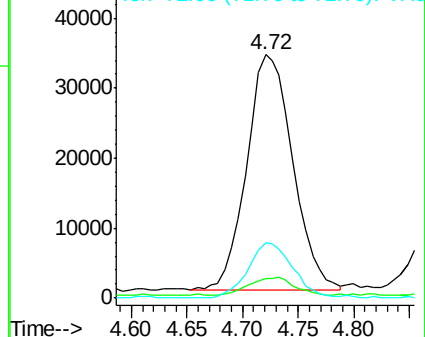
72 22.9 18.1 27.1

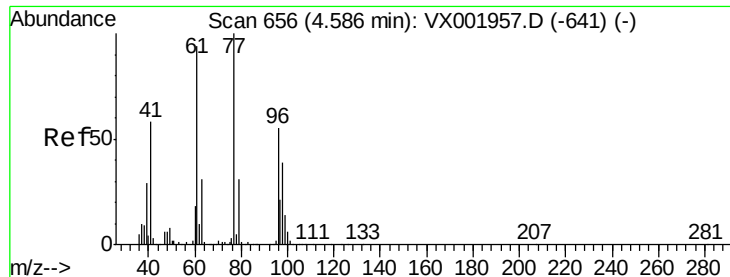


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

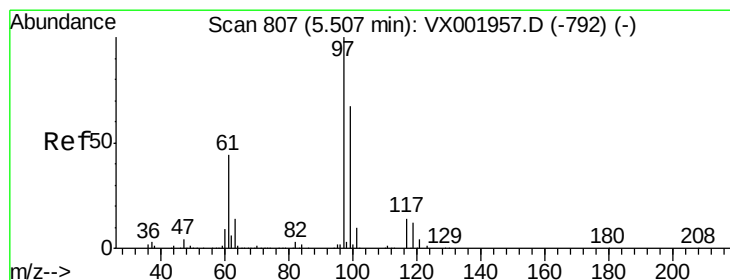
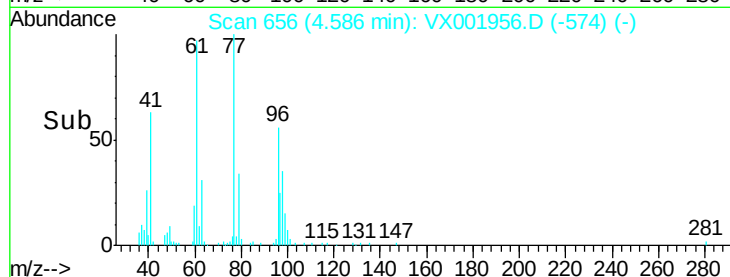
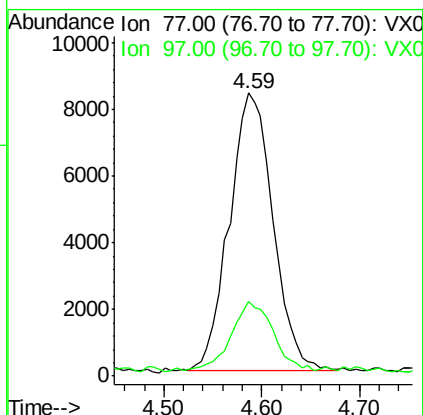
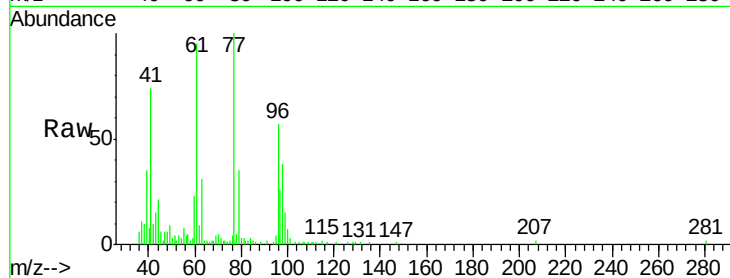




#31  
 2,2-Dichloropropane  
 Concen: 6.35 ug/l  
 RT: 4.59 min Scan# 656  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

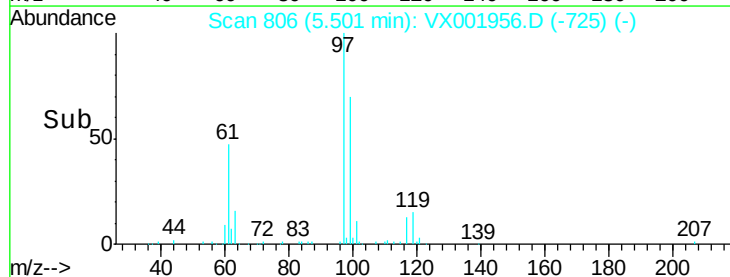
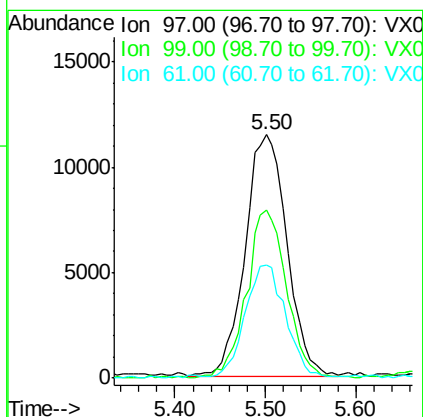
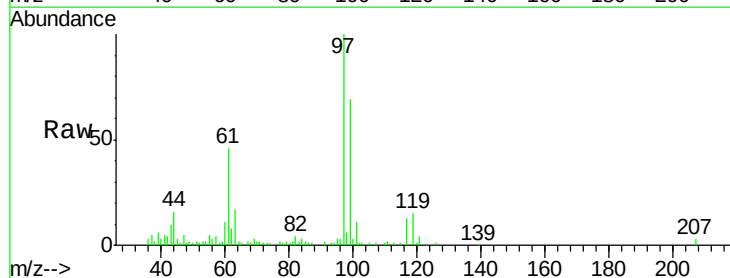
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

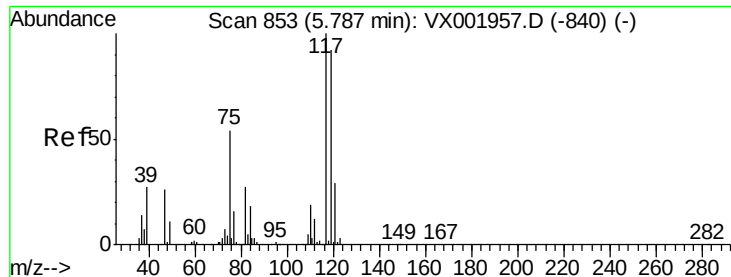
Tgt Ion: 77 Resp: 25707  
 Ion Ratio Lower Upper  
 77 100  
 97 24.0 18.7 28.1



#32  
 1,1,1-Trichloroethane  
 Concen: 6.17 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

Tgt Ion: 97 Resp: 36589  
 Ion Ratio Lower Upper  
 97 100  
 99 65.3 51.7 77.5  
 61 44.2 36.4 54.6





#33

Carbon Tetrachloride

Concen: 6.17 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampled :

VSTDIC005

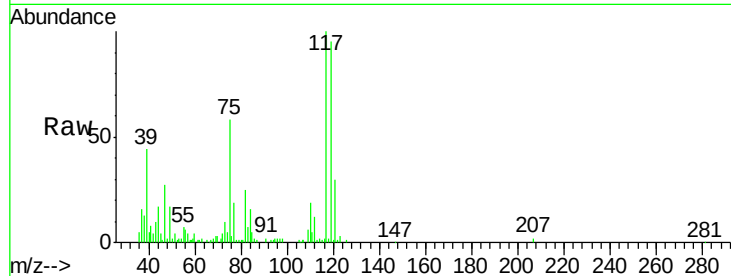
Tgt Ion: 117 Resp: 32634

Ion Ratio Lower Upper

117 100

119 95.2 73.3 109.9

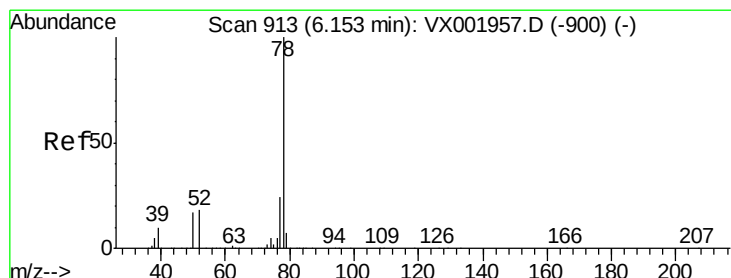
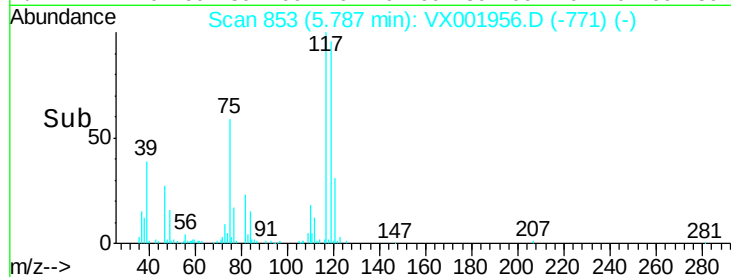
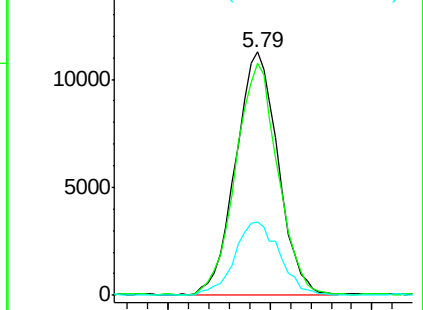
121 30.3 23.6 35.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 5.63 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

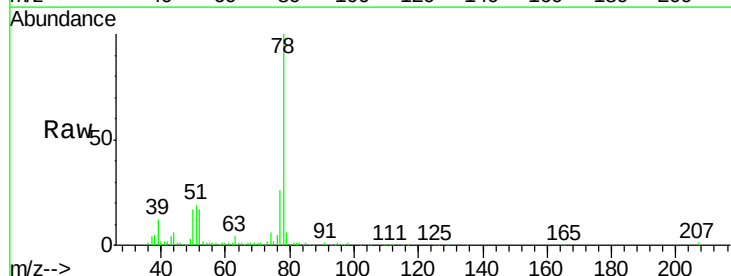
Tgt Ion: 78 Resp: 82849

Ion Ratio Lower Upper

78 100

77 25.3 19.4 29.0

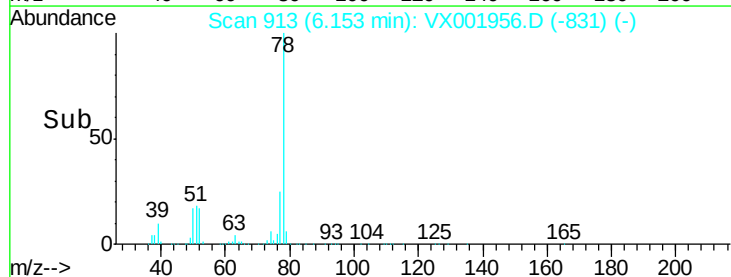
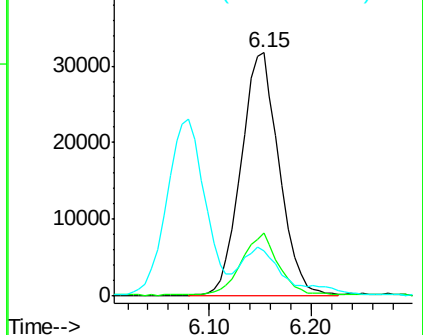
51 16.2 13.8 20.6

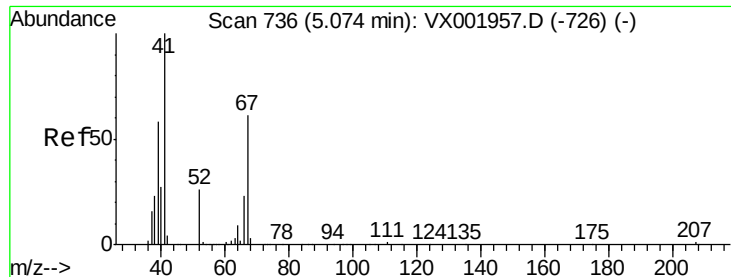


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

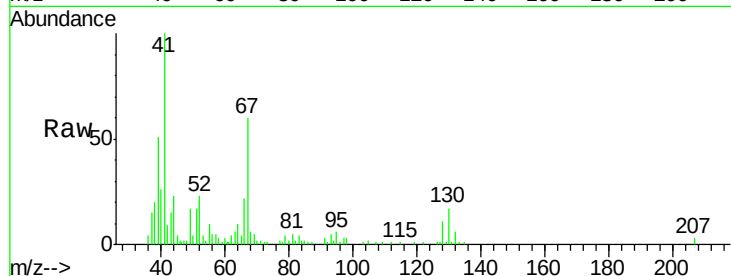




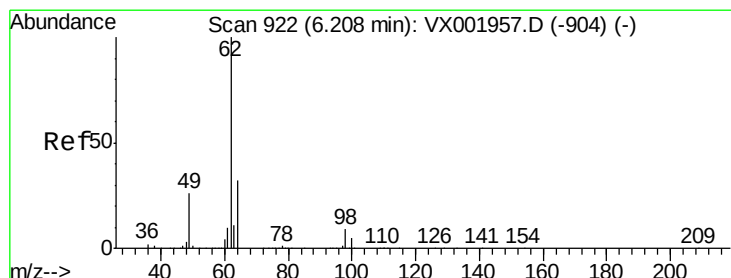
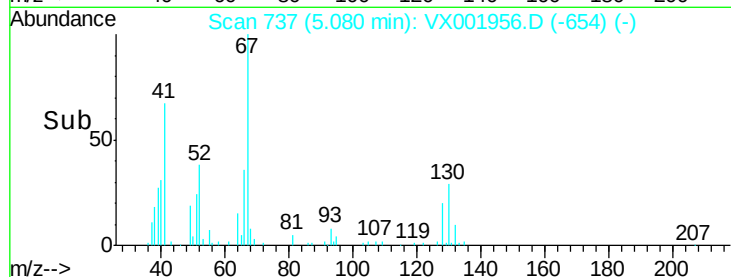
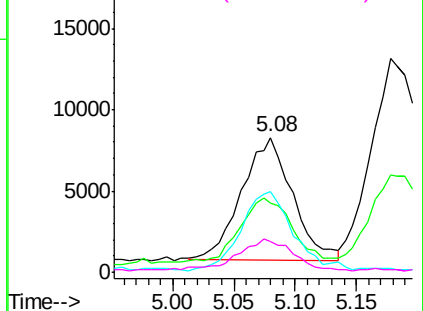
#35  
Methacrylonitrile  
Concen: 6.44 ug/l  
RT: 5.08 min Scan# 737  
Delta R.T. 0.01 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 21789 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 47.9  | 28.8  | 86.5  |
| 67       | 65.7  | 30.4  | 91.2  |
| 52       | 23.6  | 13.0  | 39.0  |

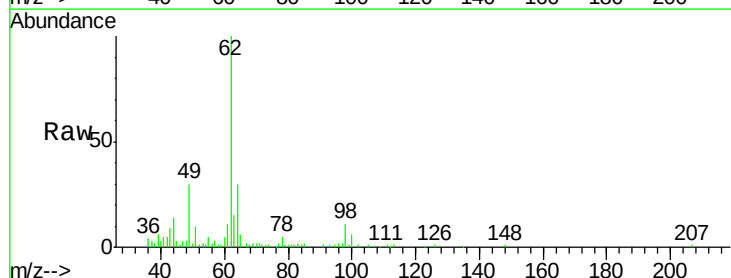


Abundance Ion 41.00 (40.70 to 41.70): VX0  
Ion 39.00 (38.70 to 39.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0

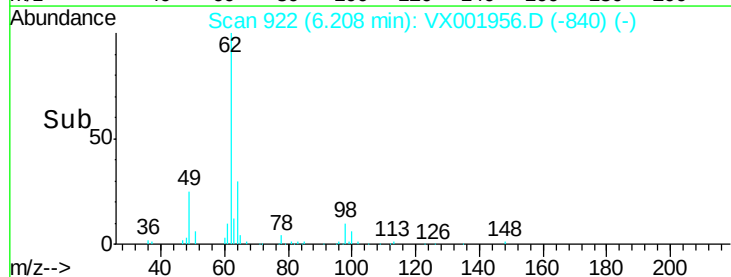
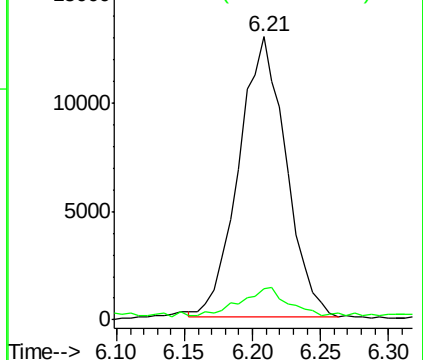


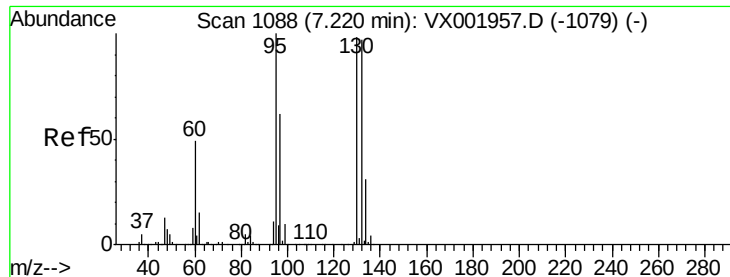
#36  
1,2-Dichloroethane  
Concen: 5.39 ug/l  
RT: 6.21 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 31247 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.9   | 6.5   | 9.7#  |



Abundance Ion 62.00 (61.70 to 62.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 5.32 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

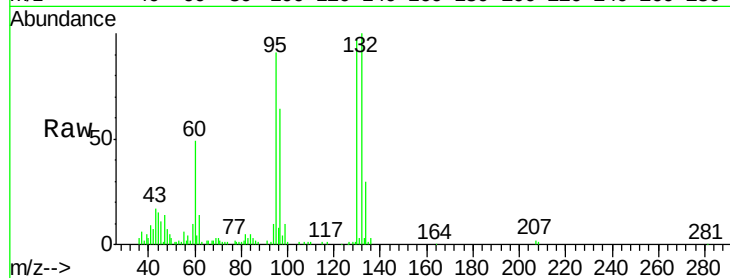
VSTDIC005

Tgt Ion:130 Resp: 22874

Ion Ratio Lower Upper

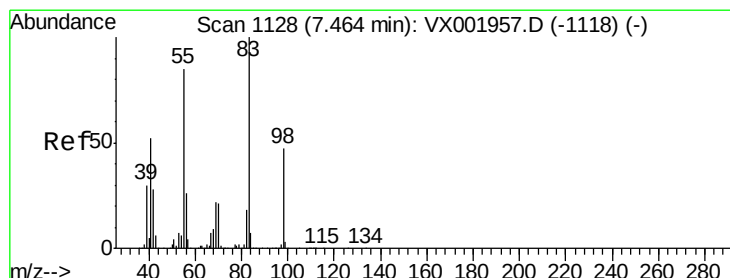
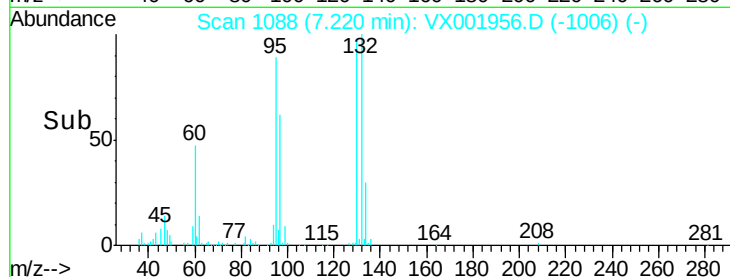
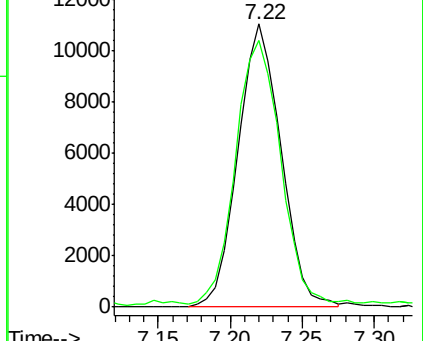
130 100

95 92.7 81.5 122.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 6.22 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

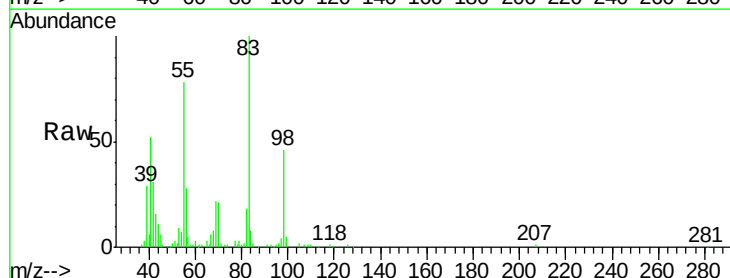
Tgt Ion: 83 Resp: 31489

Ion Ratio Lower Upper

83 100

55 82.5 40.6 121.8

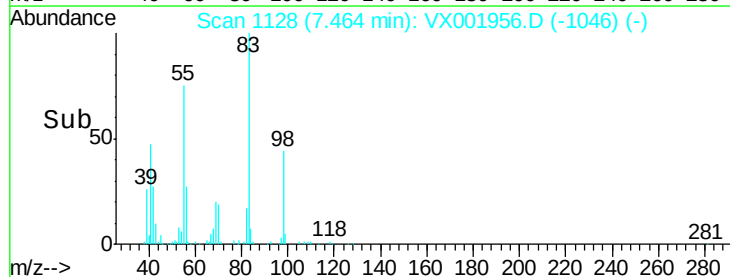
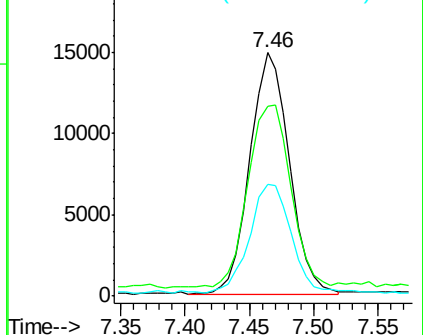
98 48.2 23.5 70.5

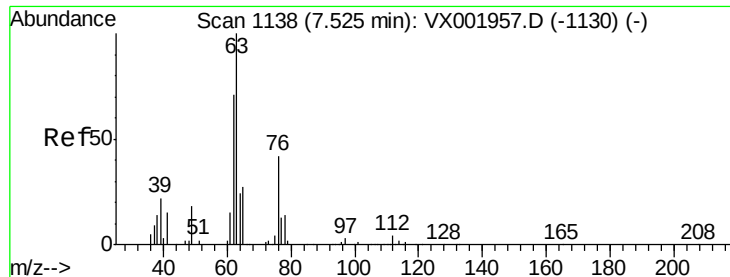


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

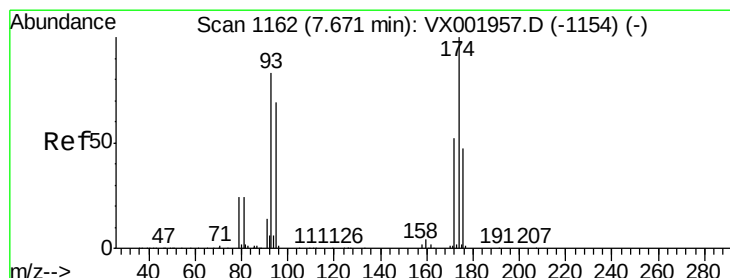
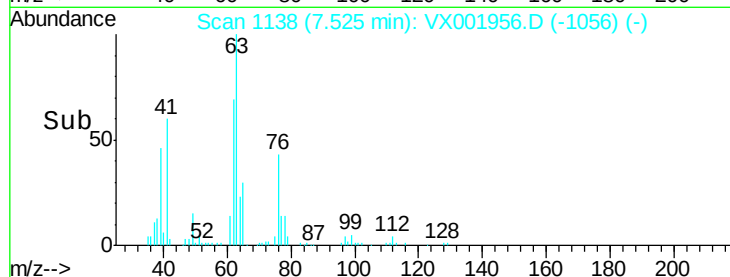
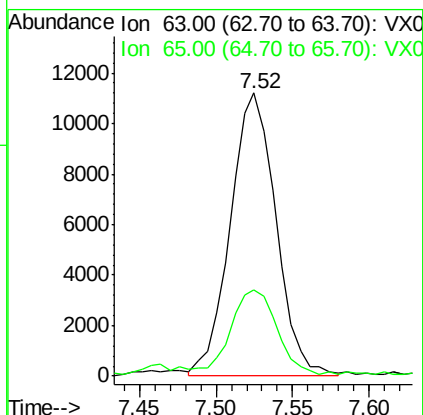
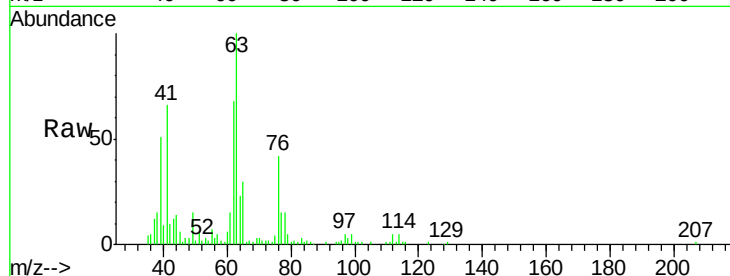




#39  
 1,2-Dichloropropane  
 Concen: 6.14 ug/l  
 RT: 7.52 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

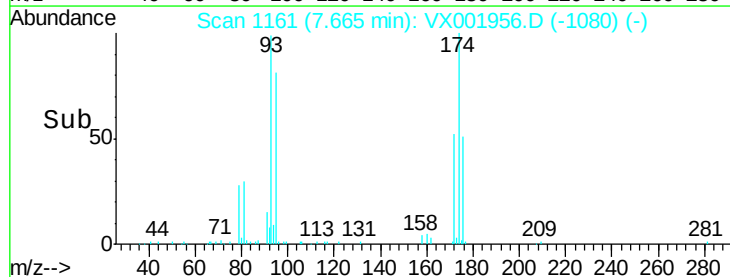
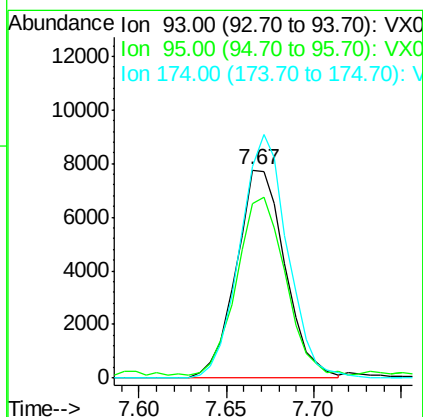
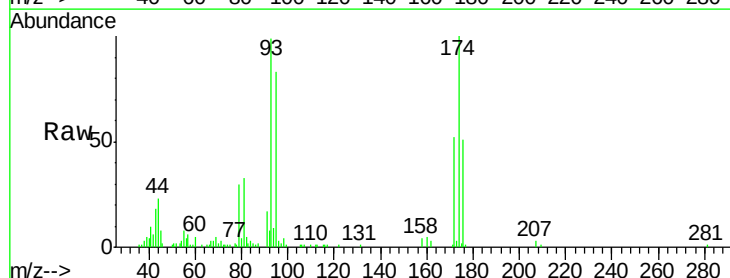
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 63 Resp: 23077  
 Ion Ratio Lower Upper  
 63 100  
 65 30.1 23.3 34.9

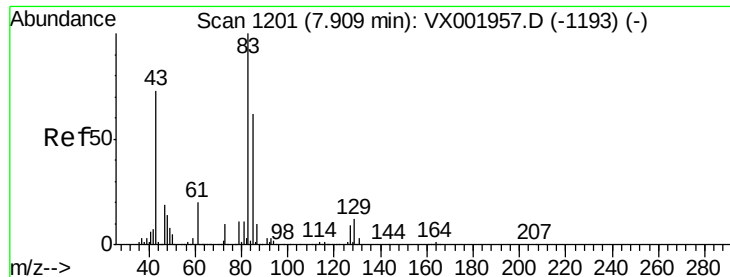


#40  
 Dibromomethane  
 Concen: 5.68 ug/l  
 RT: 7.67 min Scan# 1161  
 Delta R.T. -0.01 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

Tgt Ion: 93 Resp: 15054  
 Ion Ratio Lower Upper  
 93 100  
 95 85.6 0.0 162.6  
 174 113.7 0.0 229.4







#41

Bromodichloromethane

Concen: 6.06 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

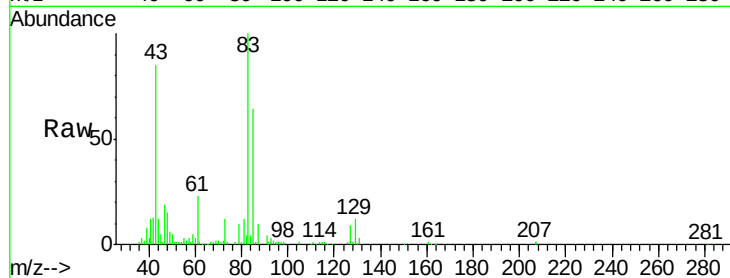
Tgt Ion: 83 Resp: 30944

Ion Ratio Lower Upper

83 100

85 63.0 49.8 74.8

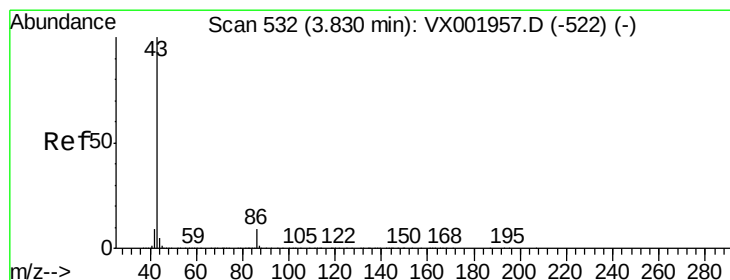
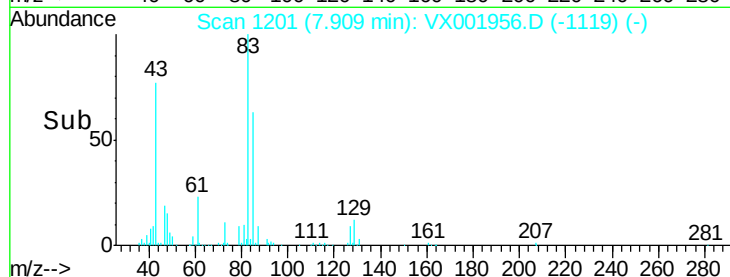
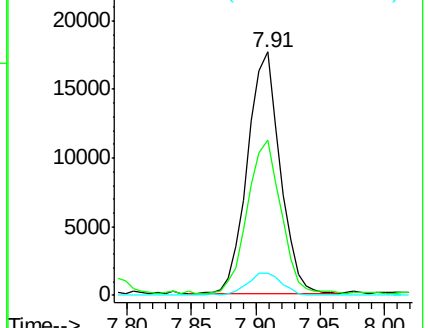
127 9.4 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 30.20 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001956.D

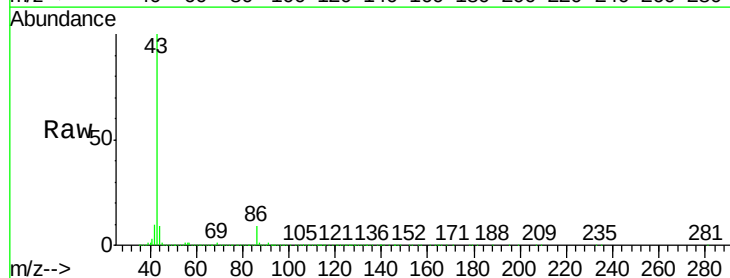
Acq: 24 May 2018 22:31

Tgt Ion: 43 Resp: 309614

Ion Ratio Lower Upper

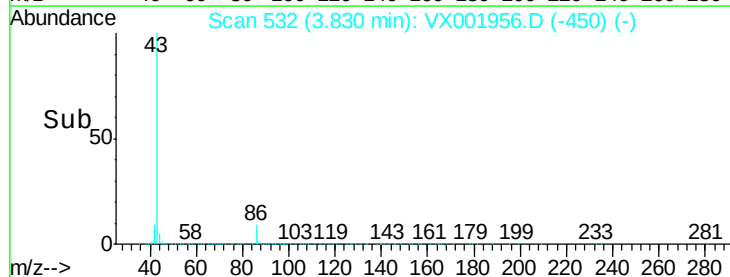
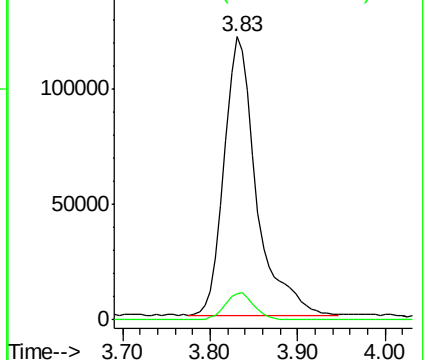
43 100

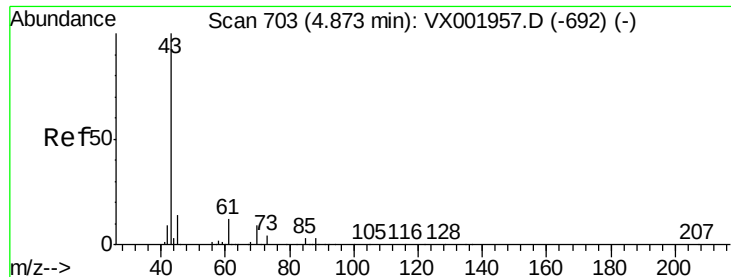
86 8.8 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

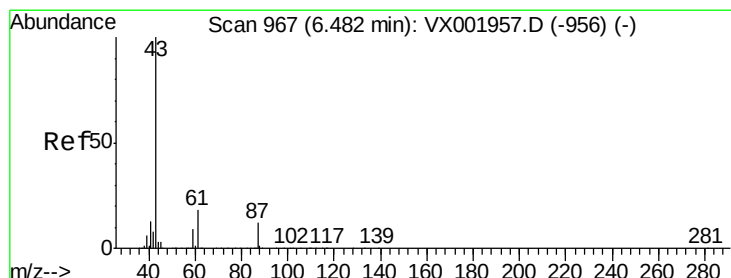
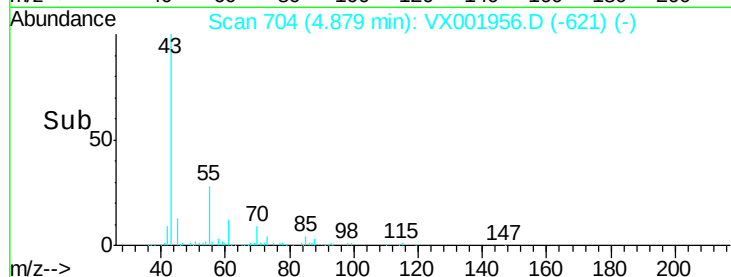
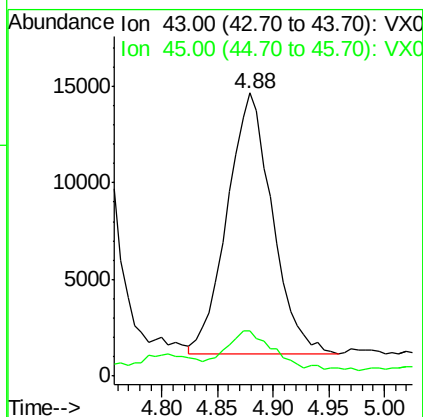
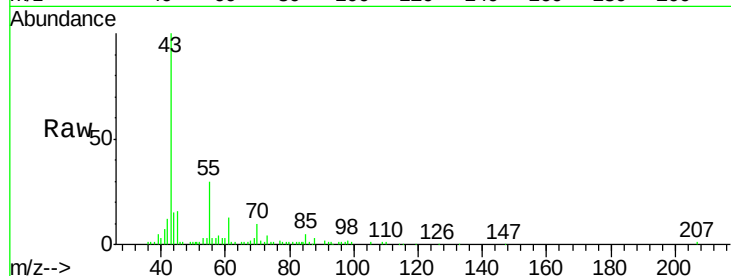




#43  
Ethyl Acetate  
Concen: 6.33 ug/l  
RT: 4.88 min Scan# 704  
Delta R.T. 0.01 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

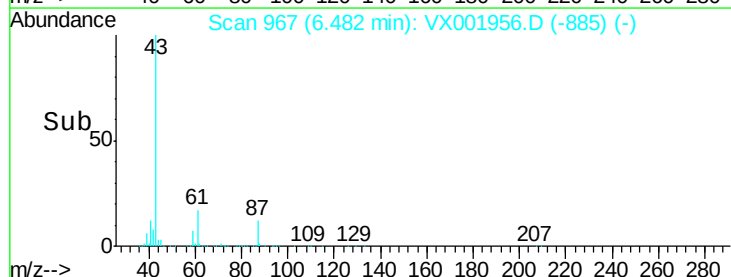
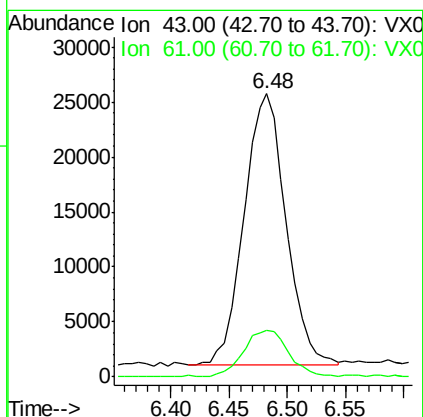
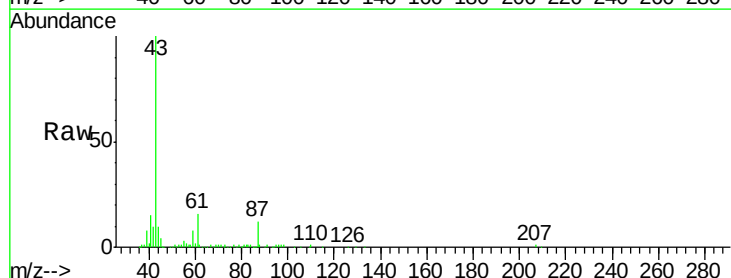
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

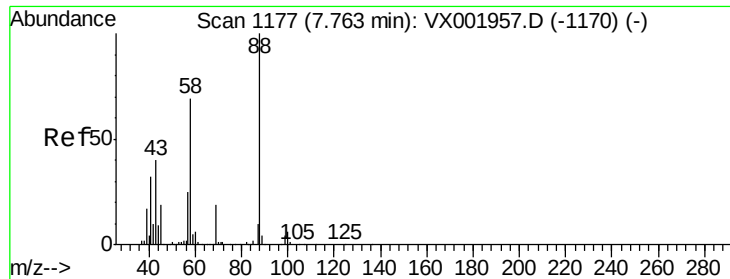
Tgt Ion: 43 Resp: 37939  
Ion Ratio Lower Upper  
43 100  
45 13.9 11.0 16.4



#44  
Isopropyl Acetate  
Concen: 6.57 ug/l  
RT: 6.48 min Scan# 967  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

Tgt Ion: 43 Resp: 61753  
Ion Ratio Lower Upper  
43 100  
61 18.6 14.5 21.7





#45

1,4-Dioxane

Concen: 113.11 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

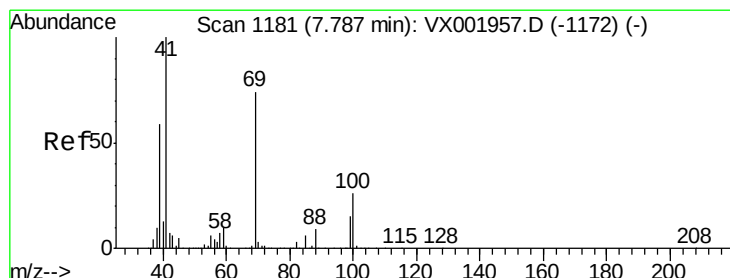
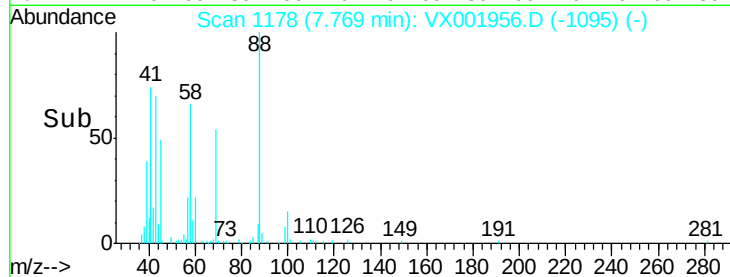
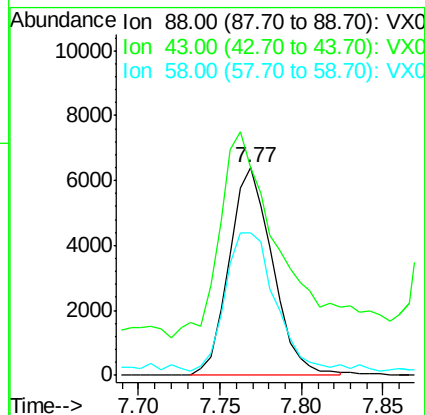
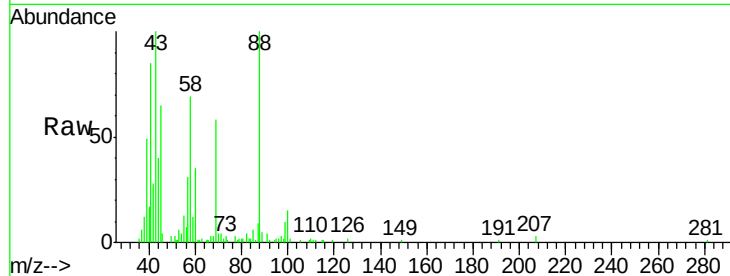
Tgt Ion: 88 Resp: 11833

Ion Ratio Lower Upper

88 100

43 107.7 43.2 64.8#

58 76.4 60.2 90.2



#46

Methyl methacrylate

Concen: 6.33 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

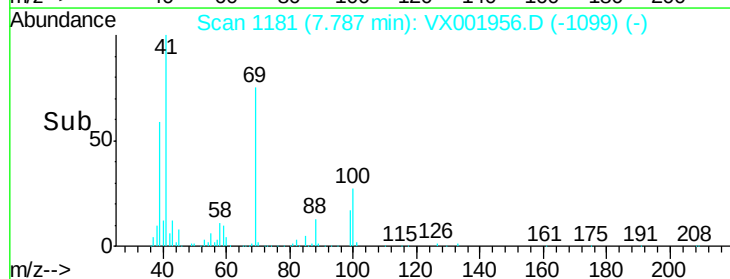
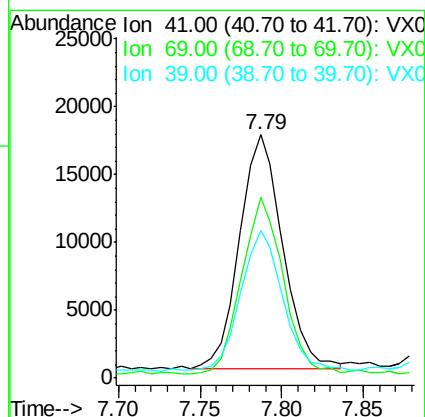
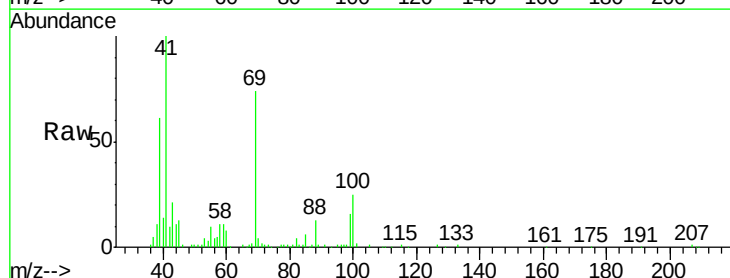
Tgt Ion: 41 Resp: 31529

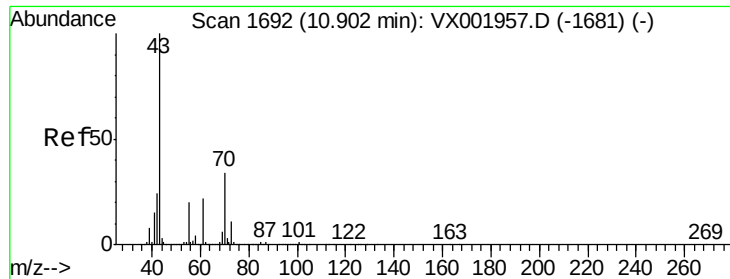
Ion Ratio Lower Upper

41 100

69 75.4 37.0 110.9

39 59.6 29.6 88.9





#47

n-amyI Acetate

Concen: 6.68 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

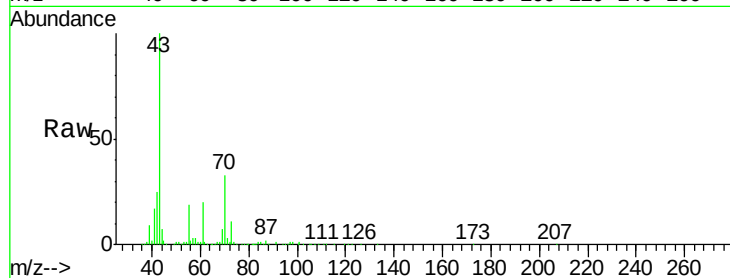
VSTDIC005

Tgt Ion: 43 Resp: 55011

Ion Ratio Lower Upper

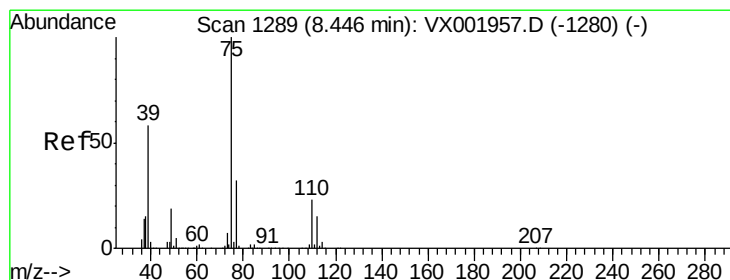
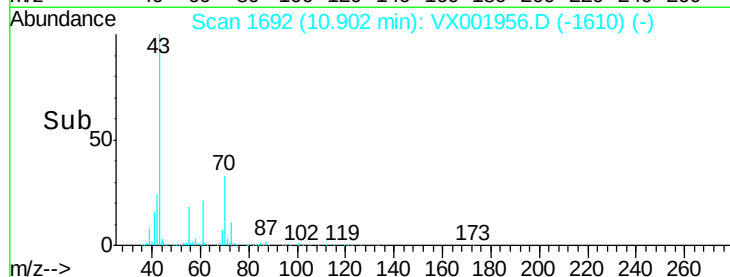
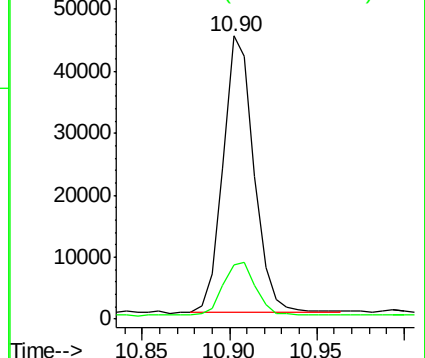
43 100

55 20.4 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 6.02 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VX001956.D

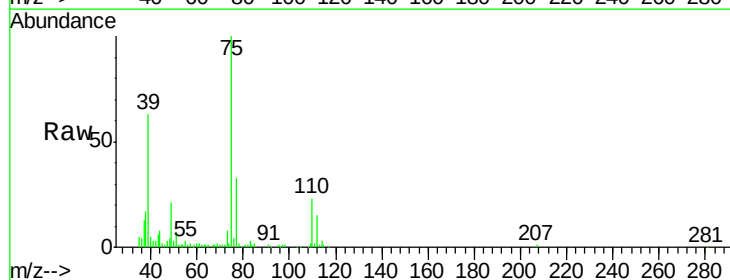
Acq: 24 May 2018 22:31

Tgt Ion: 75 Resp: 34118

Ion Ratio Lower Upper

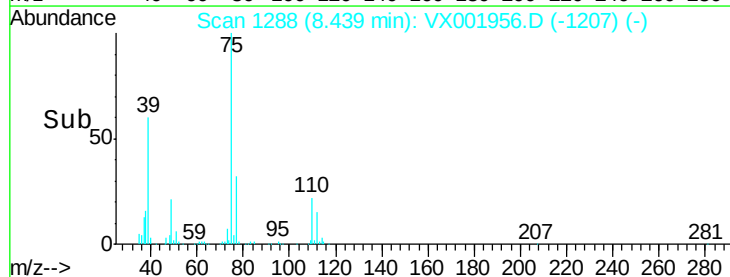
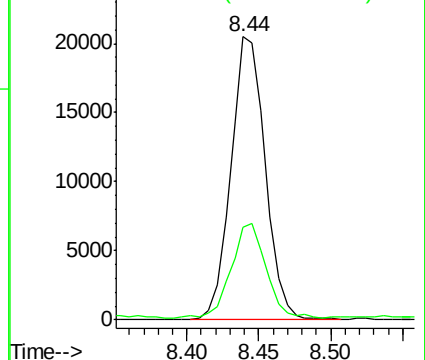
75 100

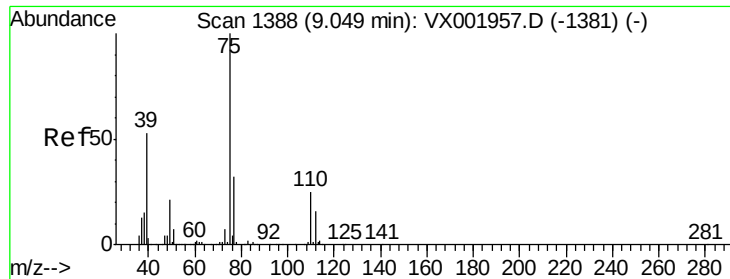
77 31.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



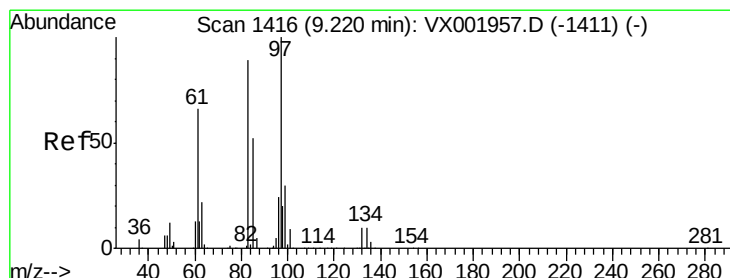
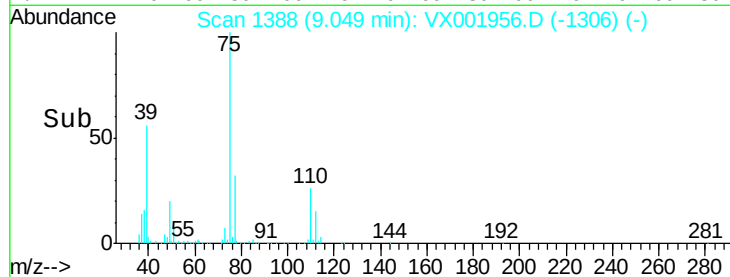
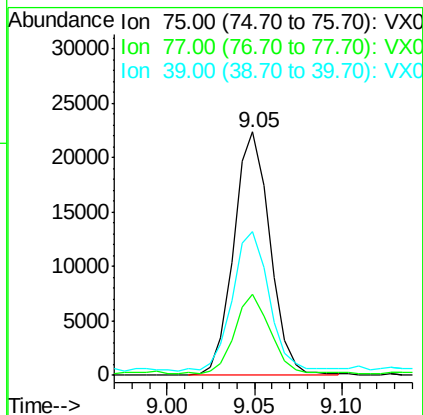
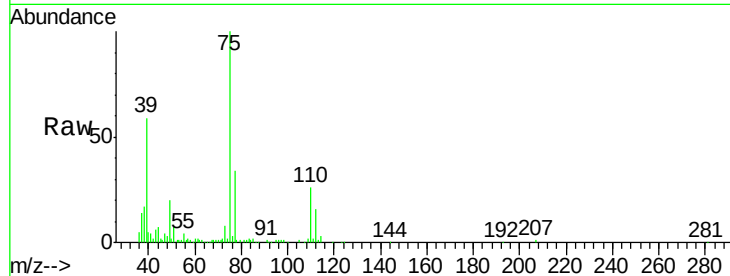


#49

cis-1,3-Dichloropropene  
 Concen: 6.30 ug/l  
 RT: 9.05 min Scan# 1388  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

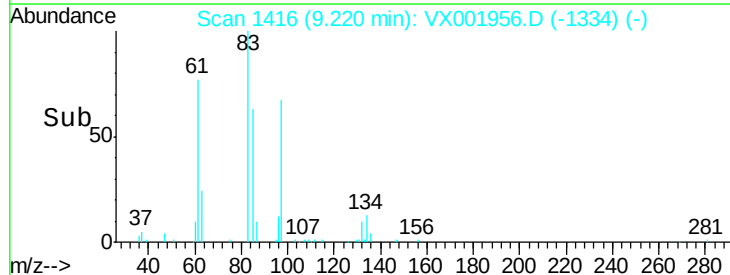
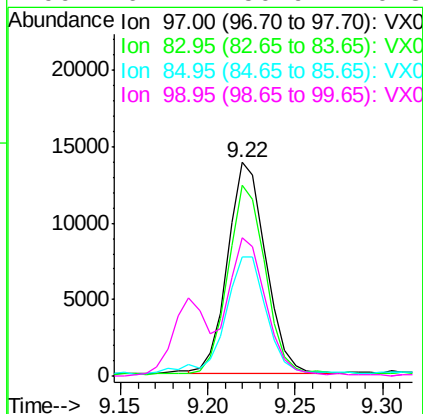
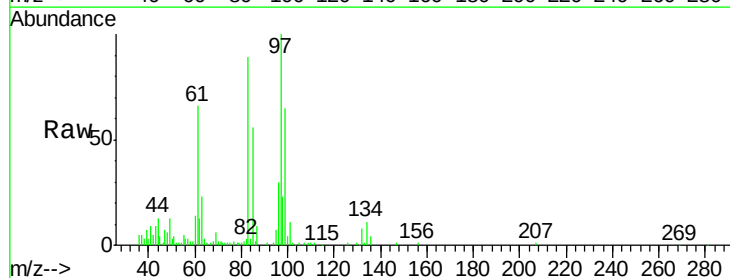
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.6  | 25.4  | 38.2  |
| 39      | 56.4  | 42.3  | 63.5  |

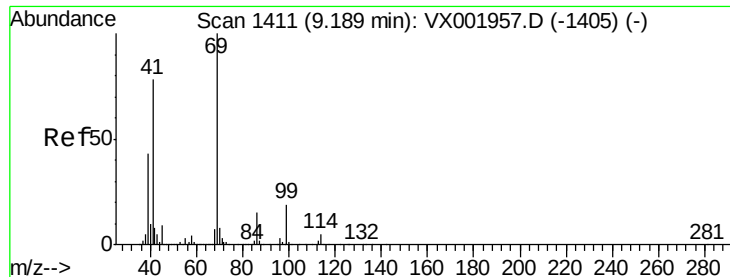


#50

1,1,2-Trichloroethane  
 Concen: 5.47 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 89.3  | 70.8  | 106.2 |
| 85      | 55.0  | 43.5  | 65.3  |
| 99      | 64.4  | 50.9  | 76.3  |





#51

Ethyl methacrylate

Concen: 6.15 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

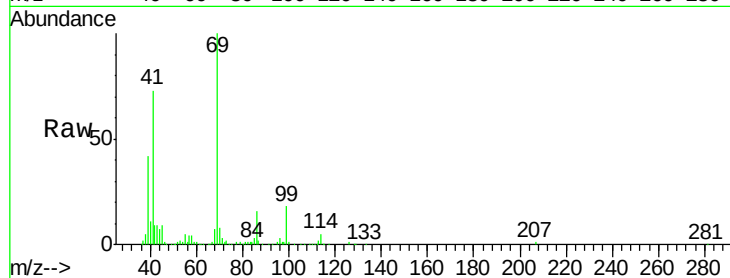
Tgt Ion: 69 Resp: 36233

Ion Ratio Lower Upper

69 100

41 71.6 39.1 117.3

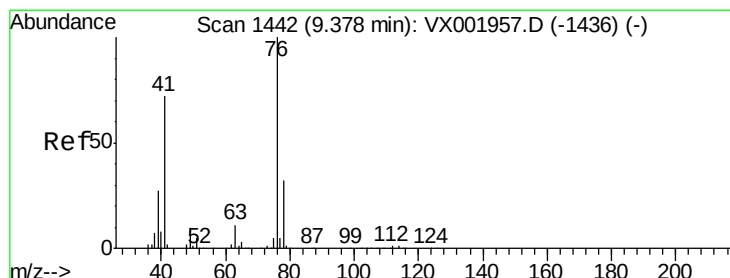
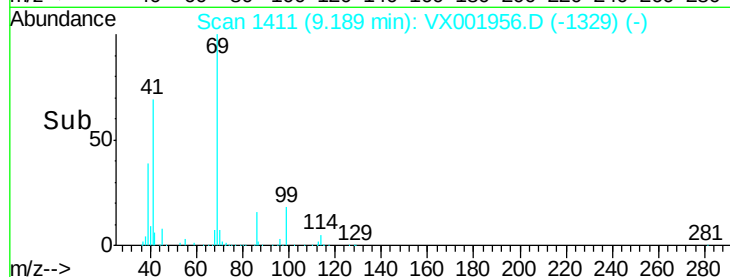
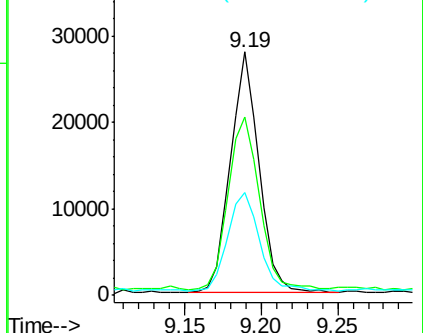
39 41.0 21.7 65.1



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 5.63 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001956.D

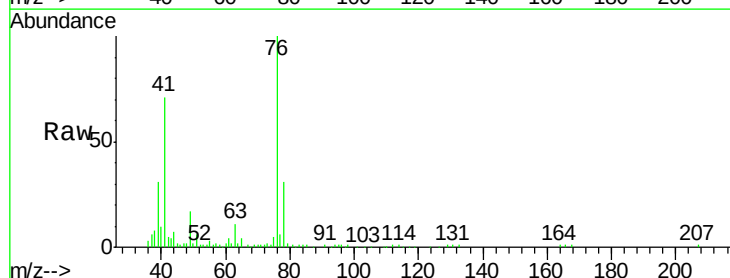
Acq: 24 May 2018 22:31

Tgt Ion: 76 Resp: 36210

Ion Ratio Lower Upper

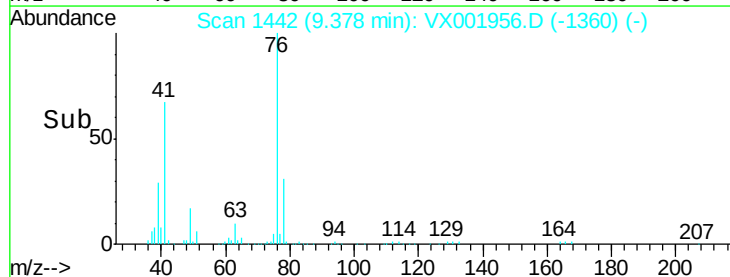
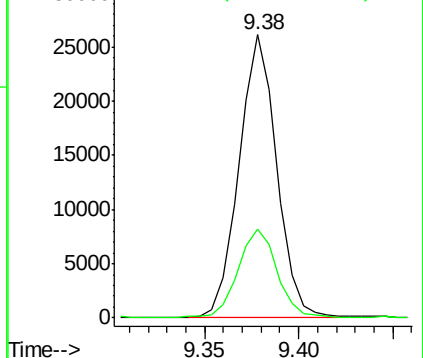
76 100

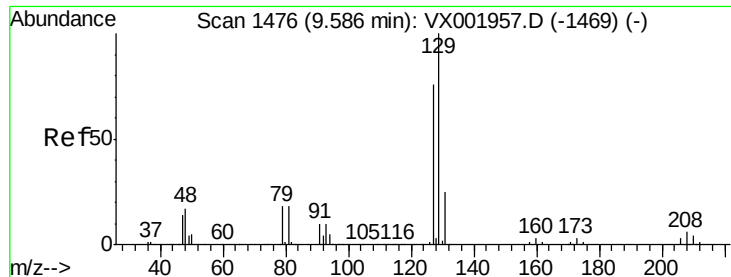
78 32.9 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 5.98 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.01 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

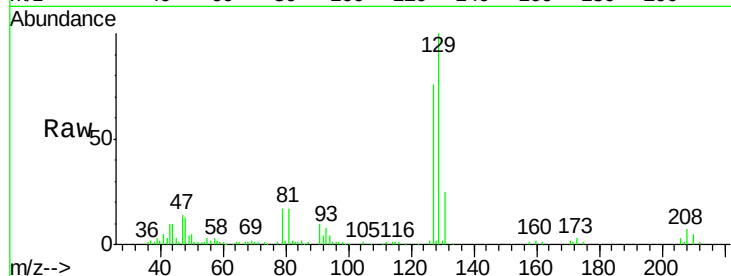
VSTDIC005

Tgt Ion:129 Resp: 25068

Ion Ratio Lower Upper

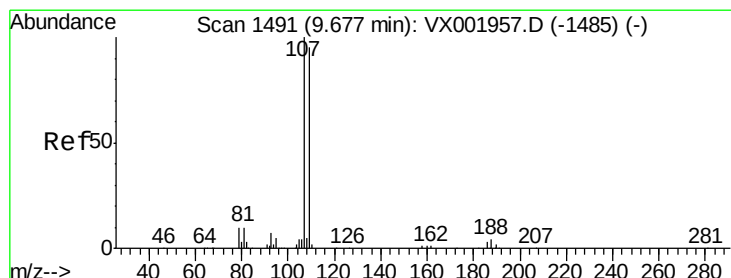
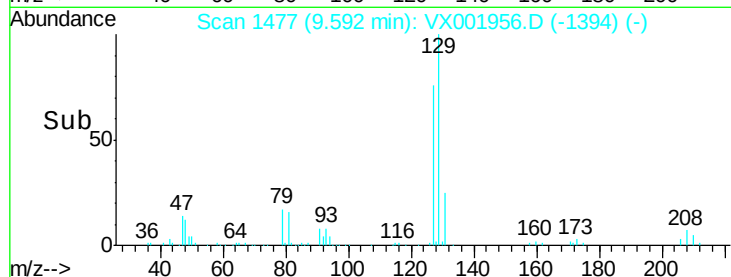
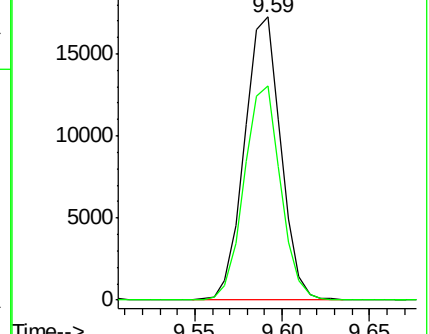
129 100

127 75.4 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.57 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001956.D

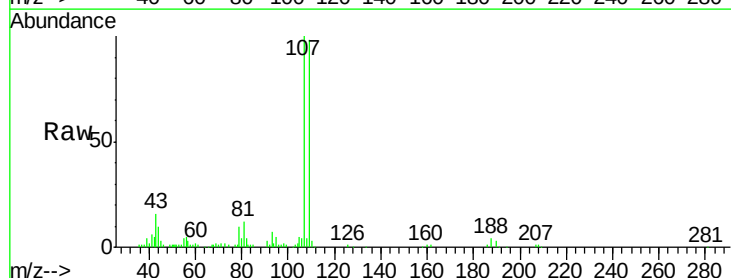
Acq: 24 May 2018 22:31

Tgt Ion:107 Resp: 22858

Ion Ratio Lower Upper

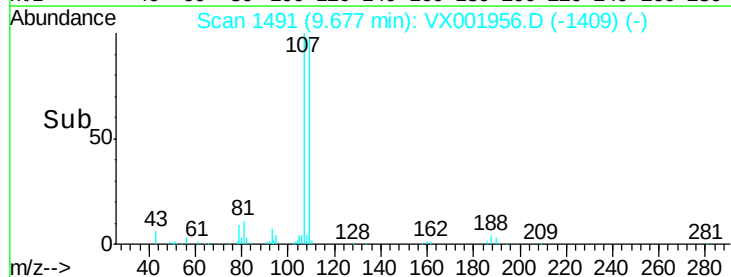
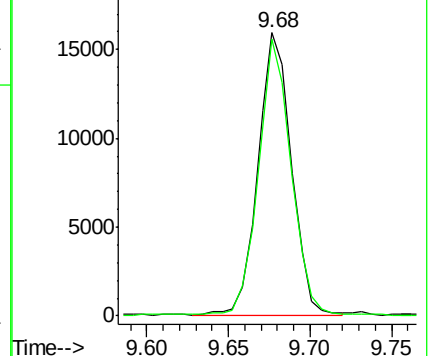
107 100

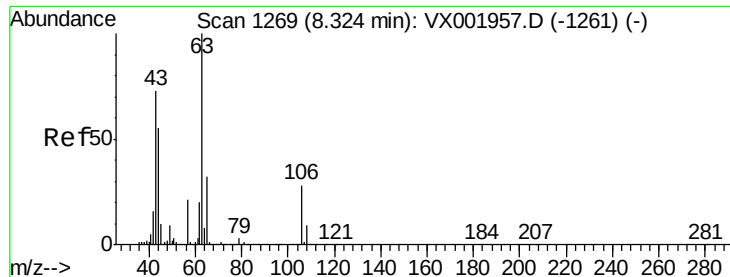
109 94.2 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

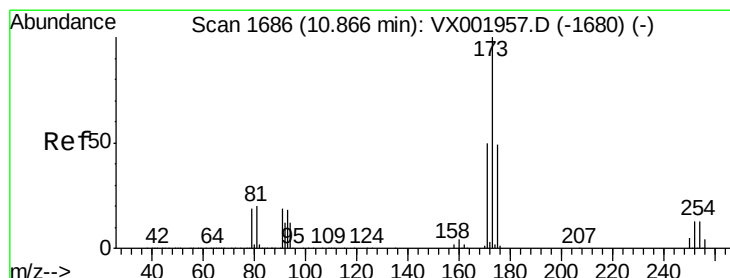
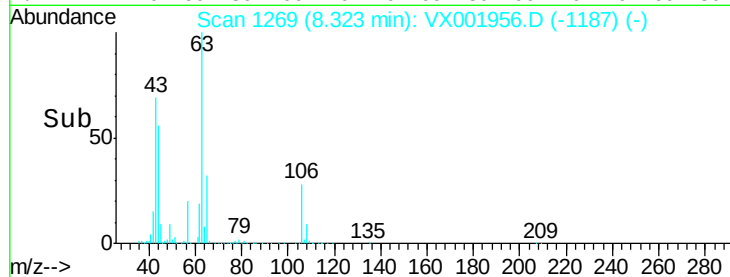
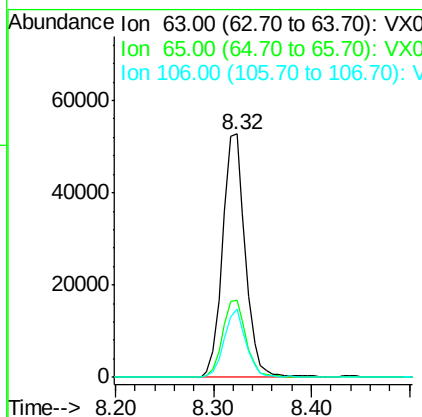
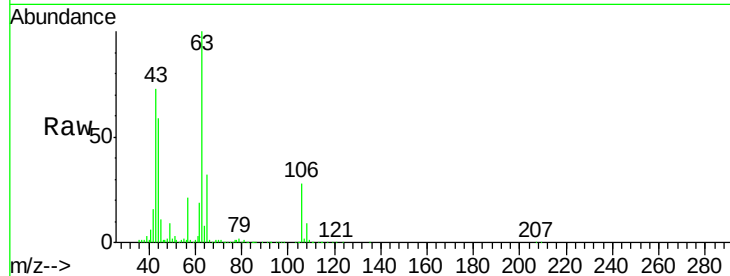




#55  
 2-Chloroethyl vinyl ether  
 Concen: 27.90 ug/l  
 RT: 8.32 min Scan# 1269  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

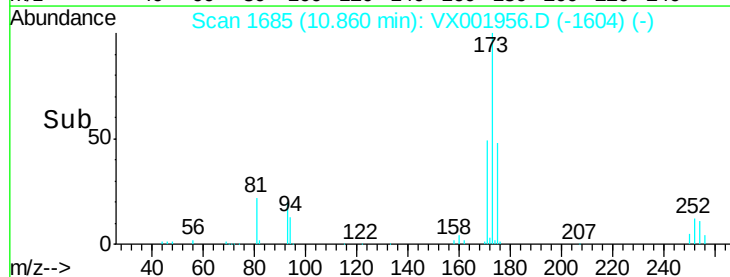
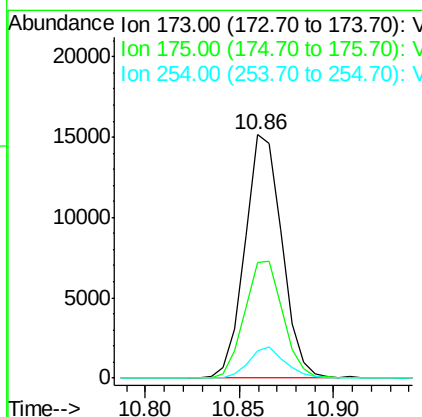
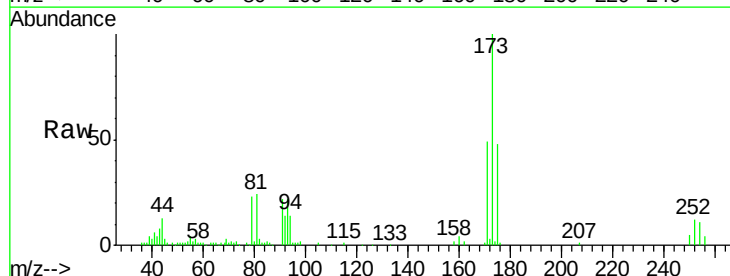
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 63 Resp: 85285  
 Ion Ratio Lower Upper  
 63 100  
 65 31.8 25.6 38.4  
 106 26.9 21.6 32.4

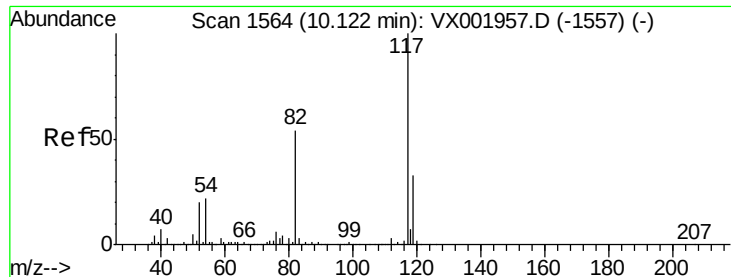


#56  
 Bromoform  
 Concen: 5.91 ug/l  
 RT: 10.86 min Scan# 1685  
 Delta R.T. -0.01 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

Tgt Ion: 173 Resp: 20658  
 Ion Ratio Lower Upper  
 173 100  
 175 48.2 39.0 58.4  
 254 12.2 9.6 14.4



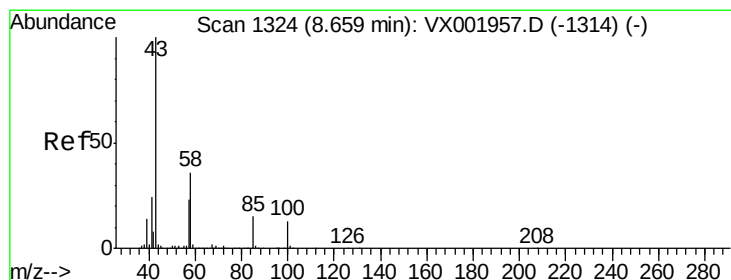
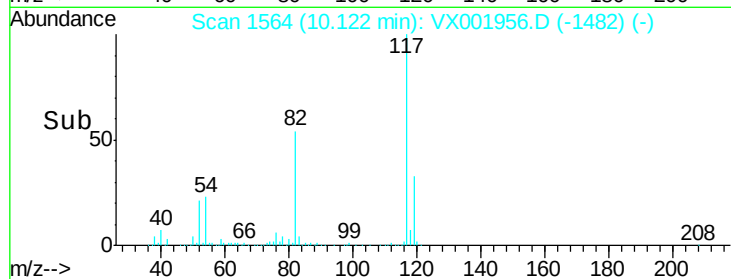
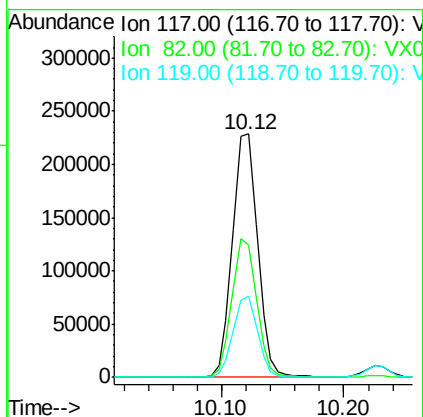
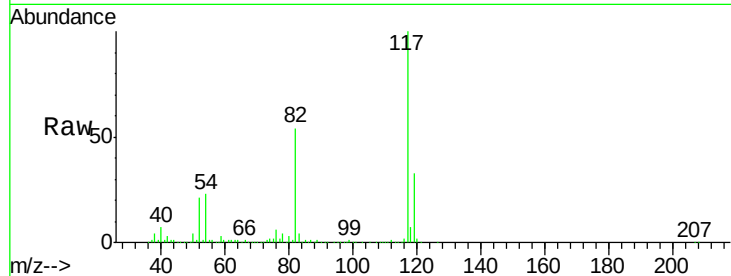




#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

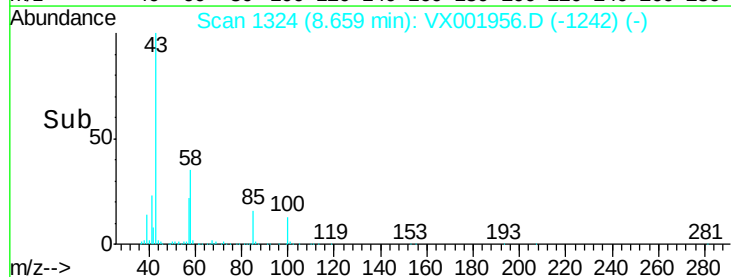
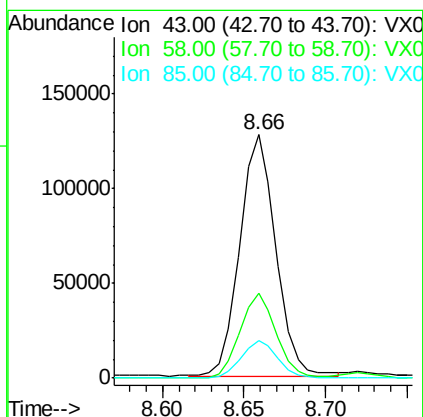
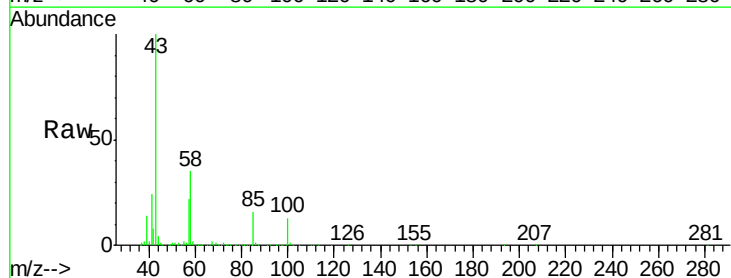
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

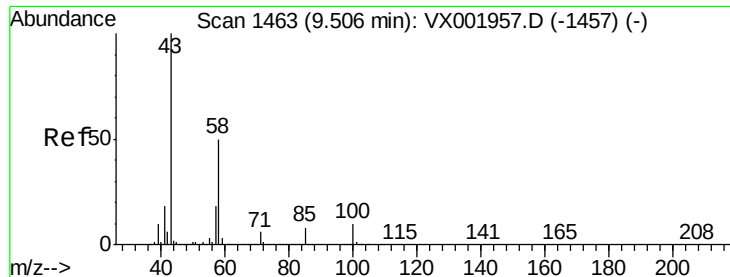
Tgt Ion:117 Resp: 327011  
Ion Ratio Lower Upper  
117 100  
82 55.7 44.3 66.5  
119 32.5 25.7 38.5



#58  
4-Methyl-2-Pentanone  
Concen: 32.43 ug/l  
RT: 8.66 min Scan# 1324  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

Tgt Ion: 43 Resp: 196040  
Ion Ratio Lower Upper  
43 100  
58 34.8 28.2 42.4  
85 15.4 12.4 18.6

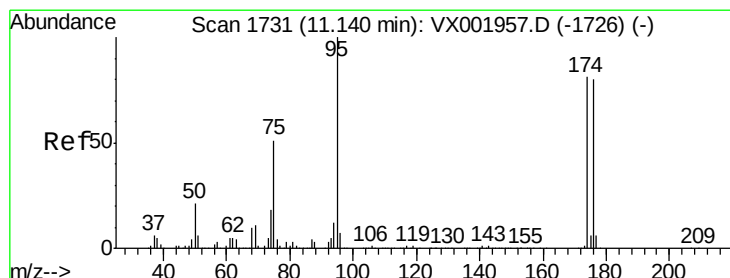
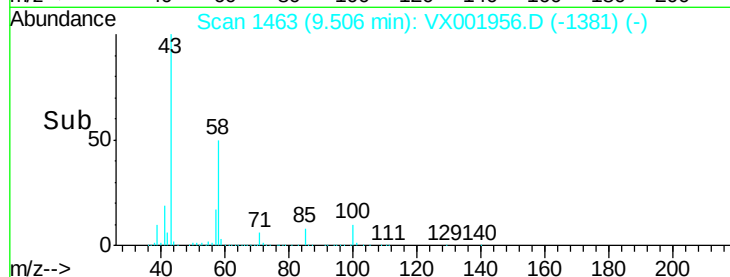
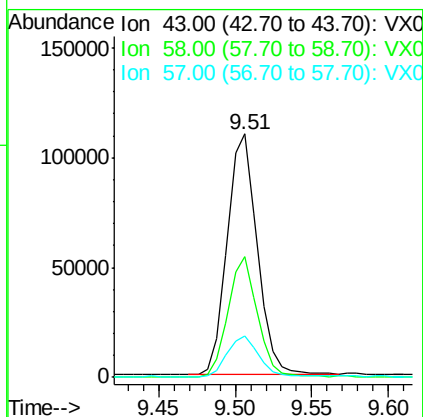
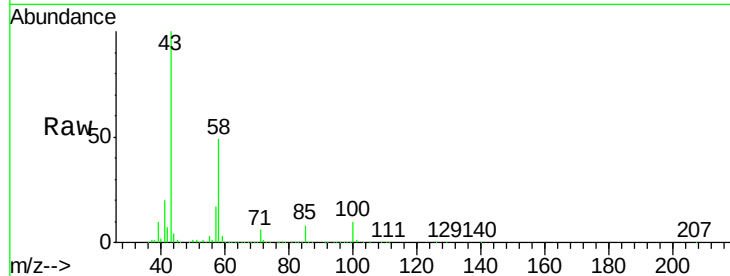




#59  
2-Hexanone  
Concen: 33.04 ug/l  
RT: 9.51 min Scan# 1463  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

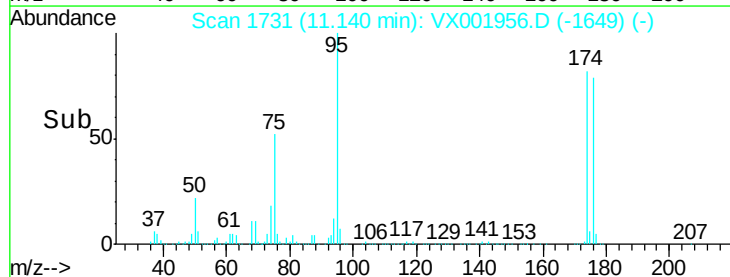
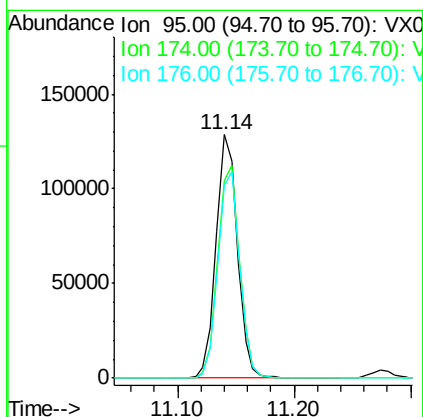
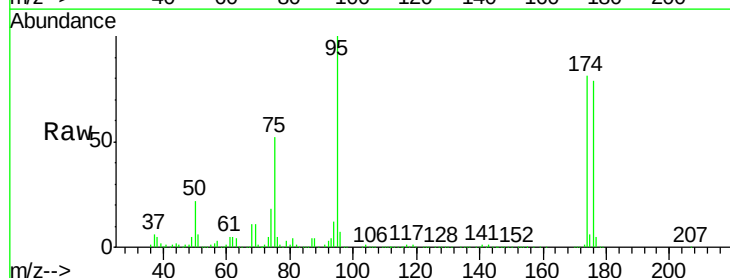
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDIC005

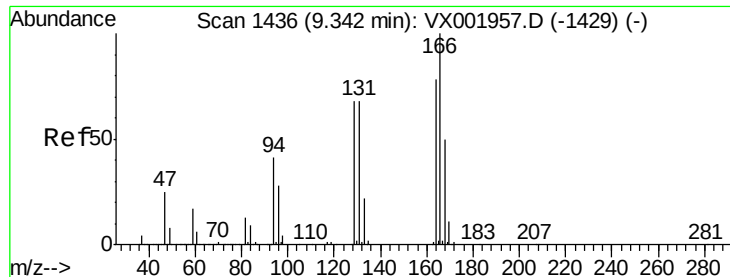
Tgt Ion: 43 Resp: 150499  
Ion Ratio Lower Upper  
43 100  
58 48.7 39.6 59.4  
57 17.1 14.1 21.1



#60  
4-Bromofluorobenzene  
Concen: 30.74 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

Tgt Ion: 95 Resp: 160910  
Ion Ratio Lower Upper  
95 100  
174 90.4 71.8 107.6  
176 87.2 70.1 105.1





#61

Tetrachloroethene

Concen: 5.76 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 27102

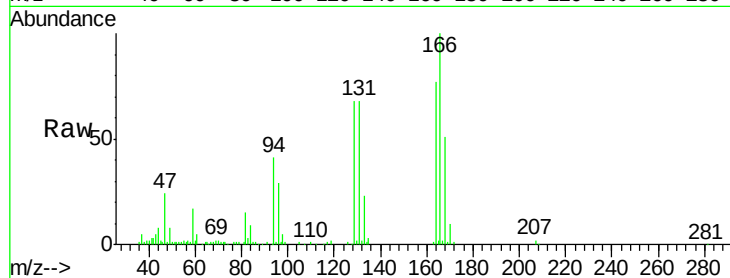
Ion Ratio Lower Upper

164 100

166 129.5 102.4 153.6

129 87.9 70.1 105.1

131 87.5 69.1 103.7

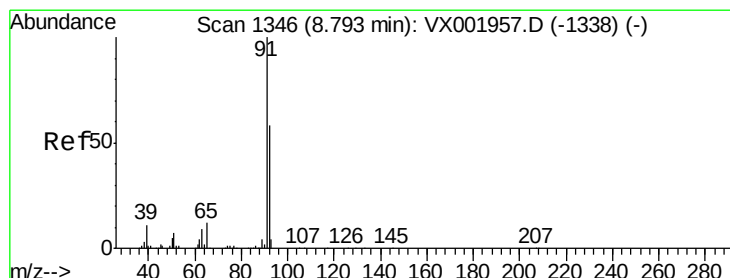
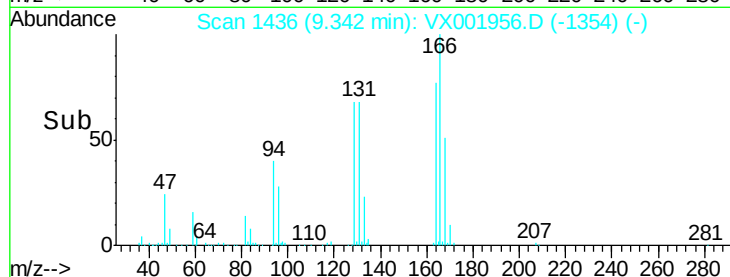
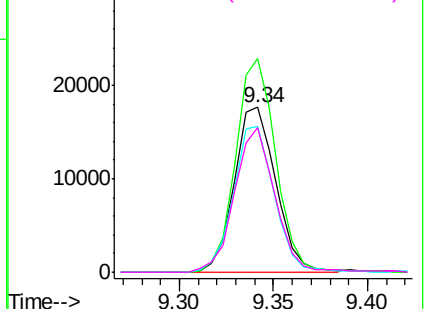


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.73 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001956.D

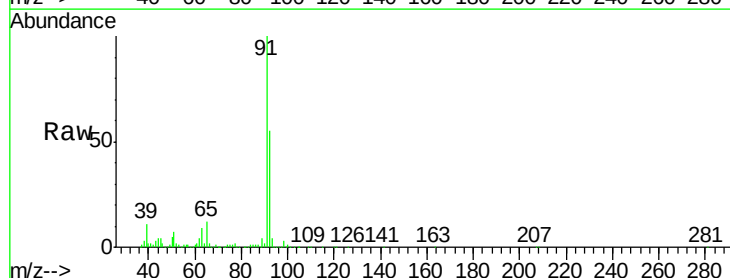
Acq: 24 May 2018 22:31

Tgt Ion: 91 Resp: 89306

Ion Ratio Lower Upper

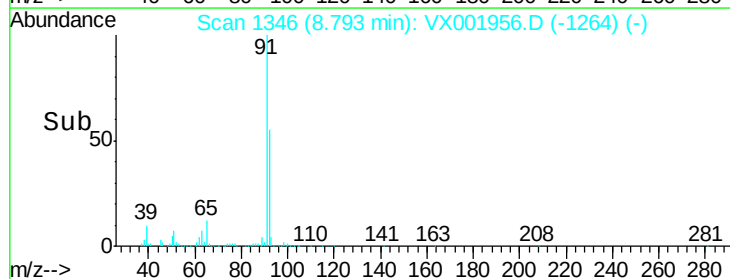
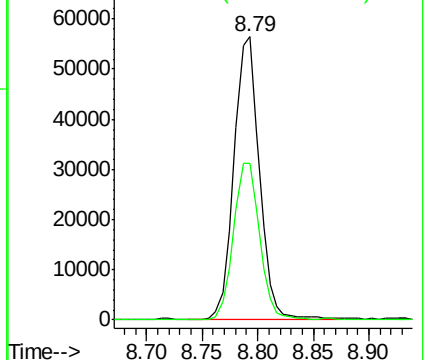
91 100

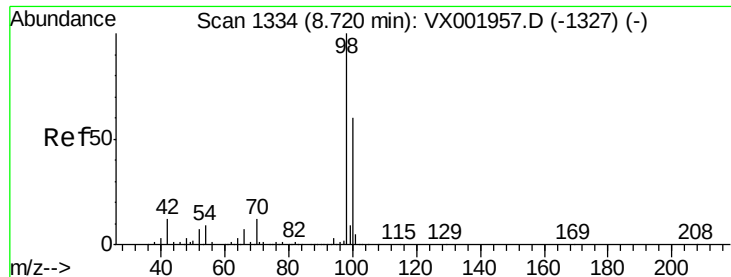
92 57.1 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.87 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

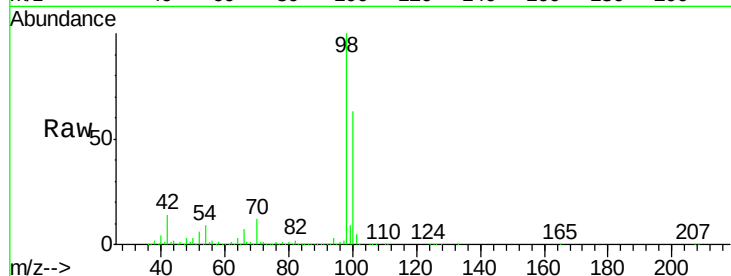
VSTDIC005

Tgt Ion: 98 Resp: 449228

Ion Ratio Lower Upper

98 100

100 63.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX001957.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX001957.D (-1327) (-)

8.72

300000

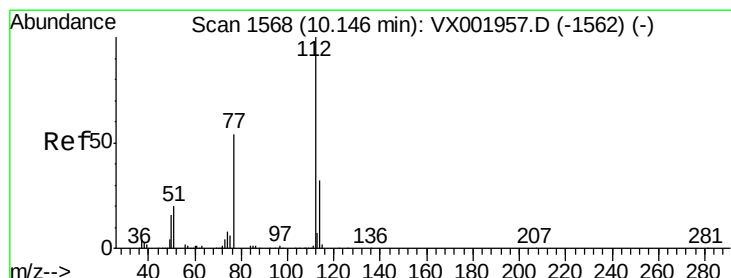
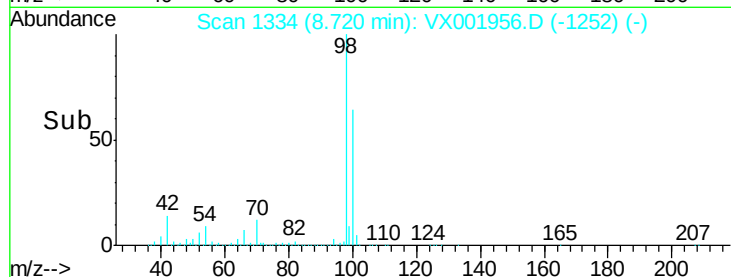
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#64

Chlorobenzene

Concen: 5.54 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001956.D

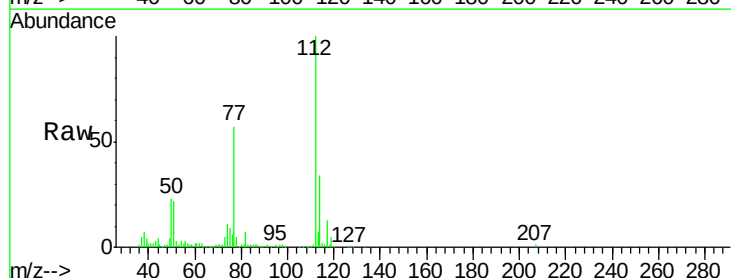
Acq: 24 May 2018 22:31

Tgt Ion: 112 Resp: 56388

Ion Ratio Lower Upper

112 100

114 34.1 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VX001957.D (-1562) (-)

Ion 114.00 (113.70 to 114.70): VX001957.D (-1562) (-)

10.15

40000

30000

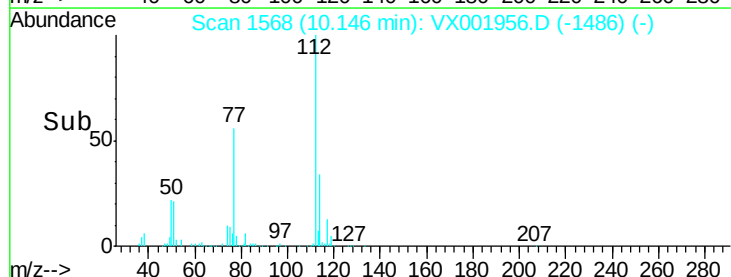
20000

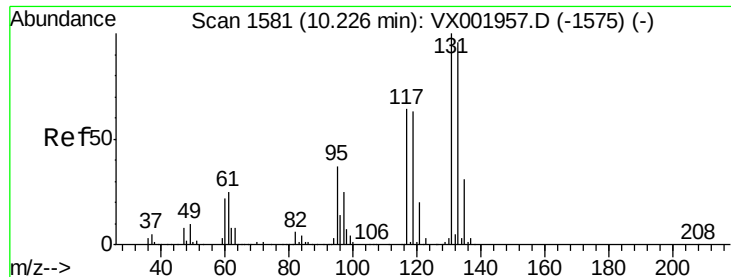
10000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 5.97 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

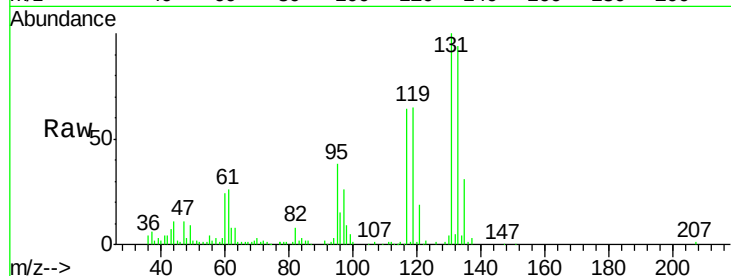
Tgt Ion:131 Resp: 23451

Ion Ratio Lower Upper

131 100

133 92.6 0.0 191.2

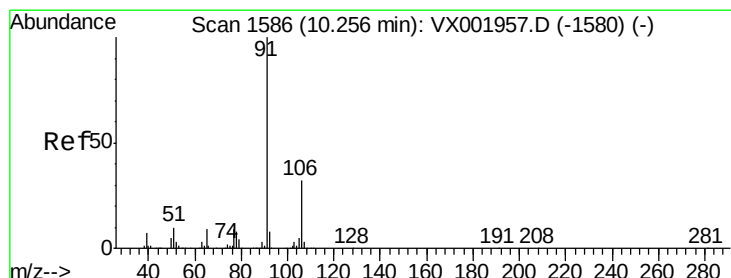
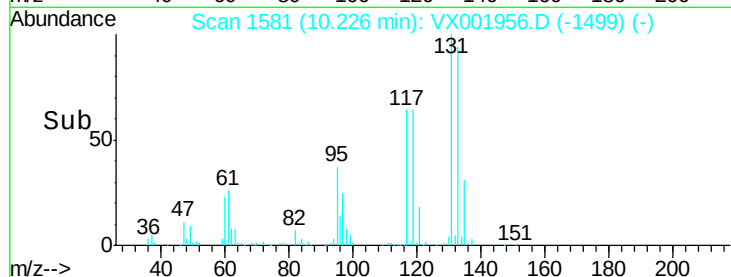
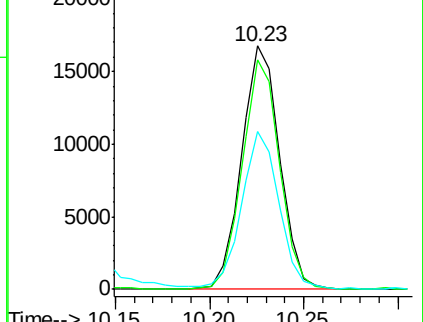
119 64.3 0.0 125.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 6.01 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001956.D

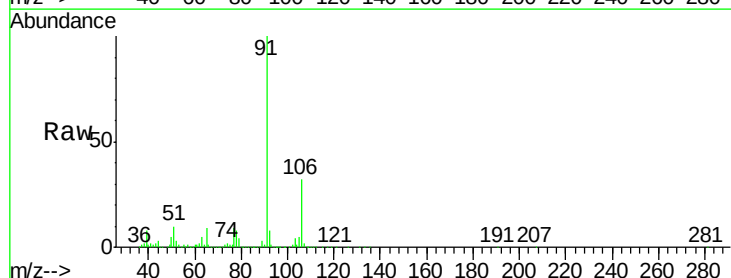
Acq: 24 May 2018 22:31

Tgt Ion: 91 Resp: 98871

Ion Ratio Lower Upper

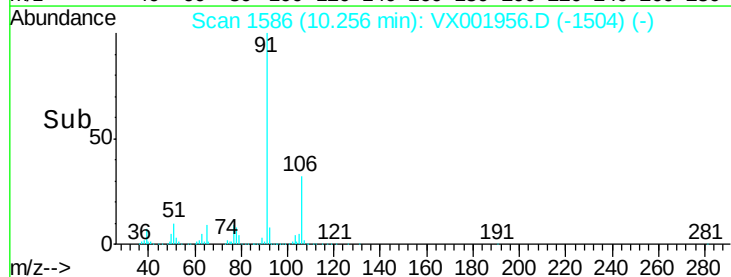
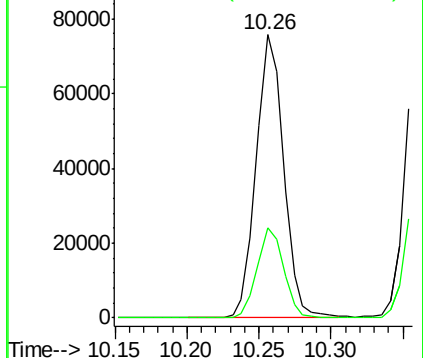
91 100

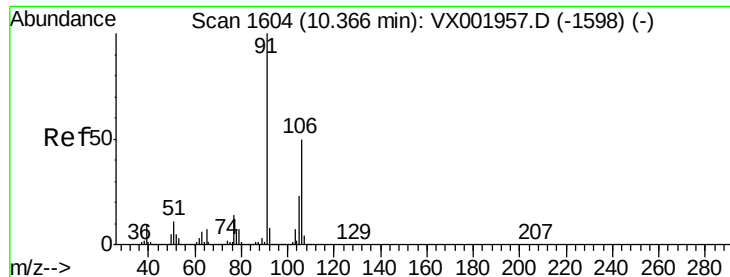
106 32.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 11.33 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

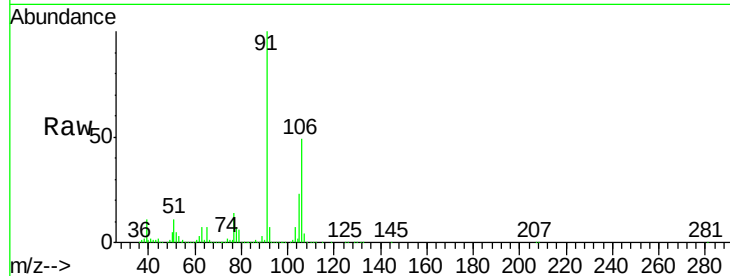
VSTDIC005

Tgt Ion:106 Resp: 73280

Ion Ratio Lower Upper

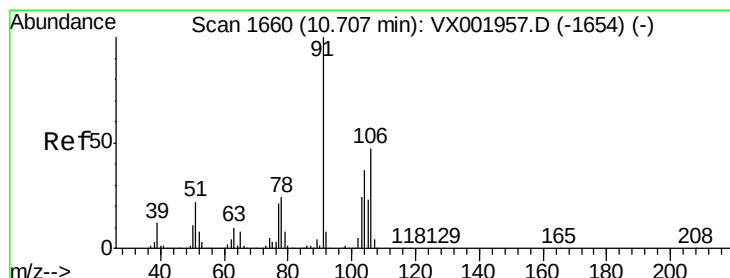
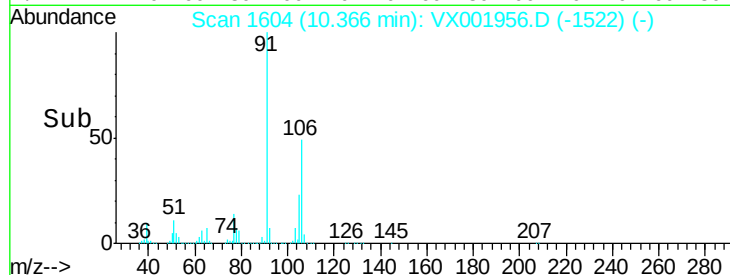
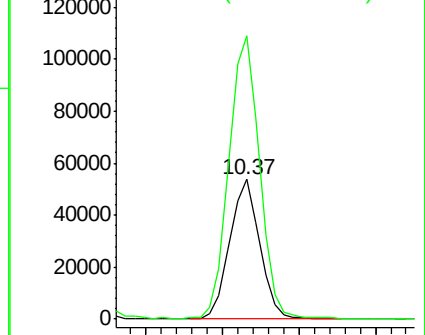
106 100

91 206.3 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 5.68 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX001956.D

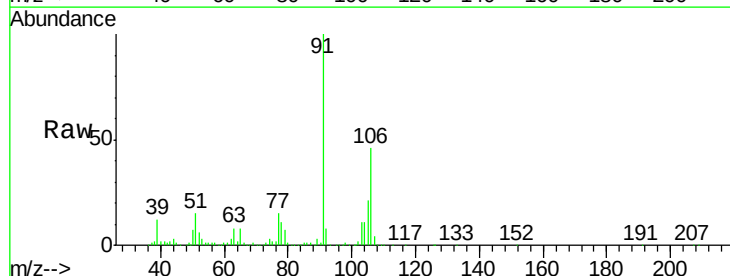
Acq: 24 May 2018 22:31

Tgt Ion:106 Resp: 36614

Ion Ratio Lower Upper

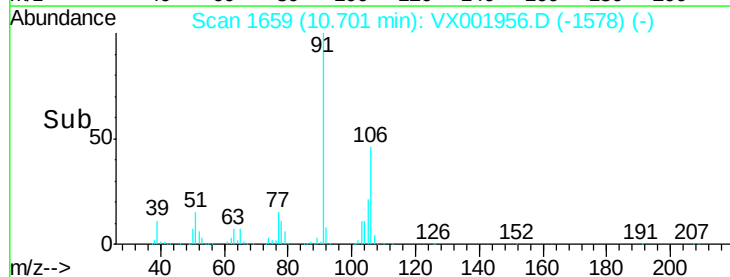
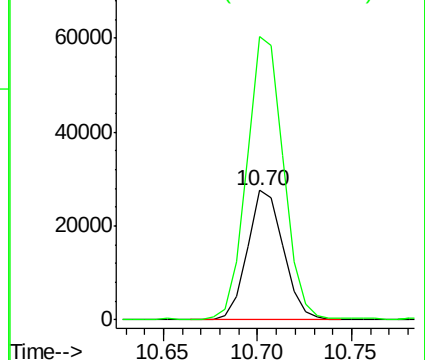
106 100

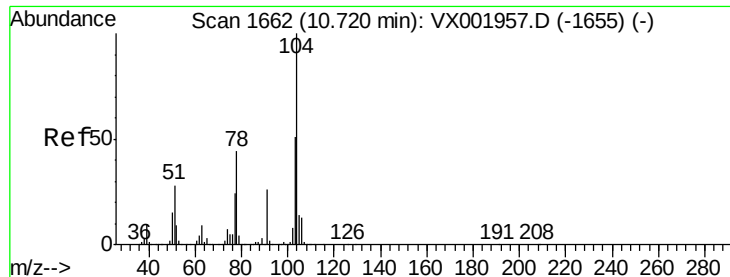
91 220.3 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Styrene

Concen: 5.68 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

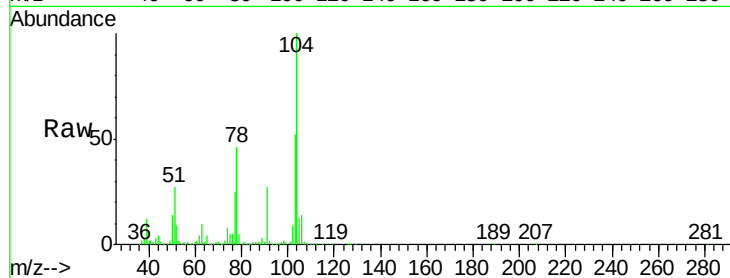
Tgt Ion:104 Resp: 60431

Ion Ratio Lower Upper

104 100

78 51.9 41.8 62.8

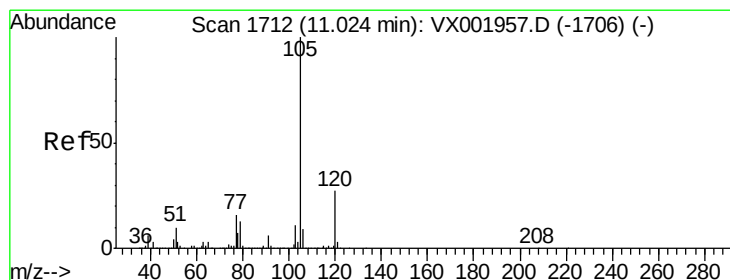
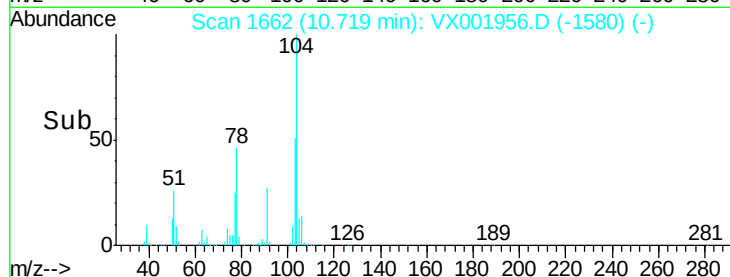
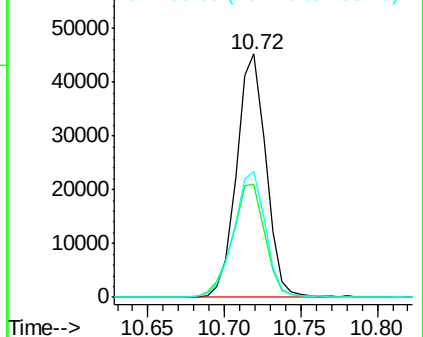
103 55.8 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 5.87 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001956.D

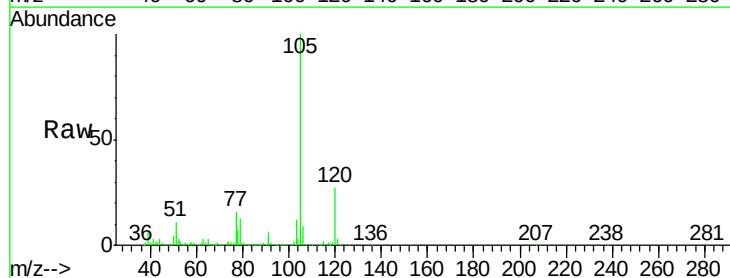
Acq: 24 May 2018 22:31

Tgt Ion:105 Resp: 97828

Ion Ratio Lower Upper

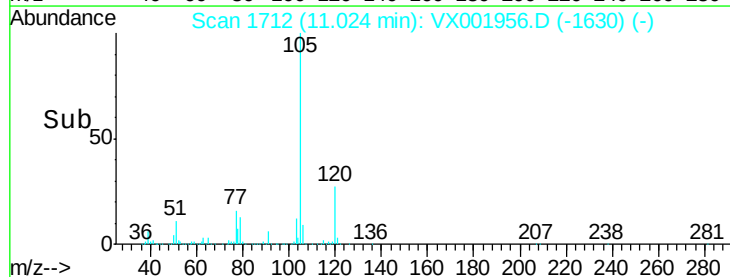
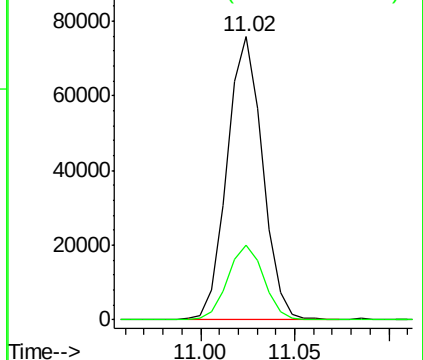
105 100

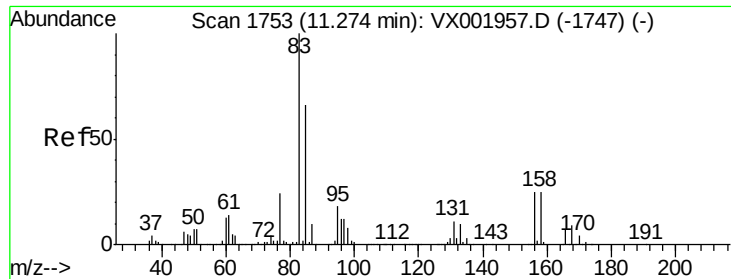
120 27.1 19.0 35.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 5.63 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

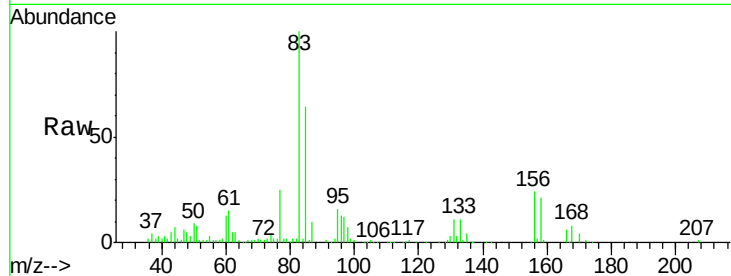
MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 31100

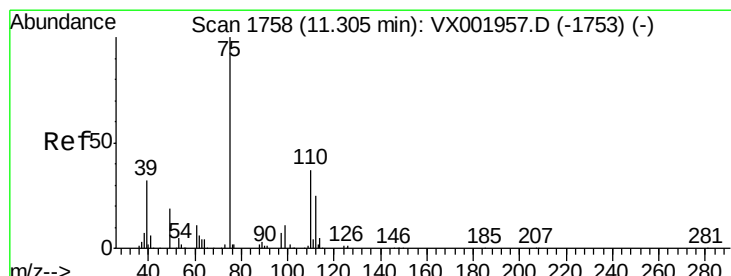
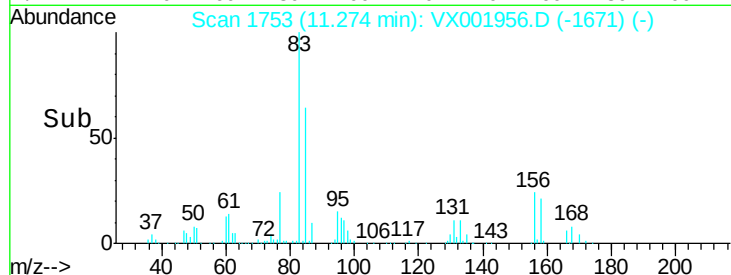
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 11.7  | 5.4   | 16.2  |
| 85  | 63.9  | 32.4  | 97.2  |



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 7.34 ug/l

RT: 11.30 min Scan# 1758

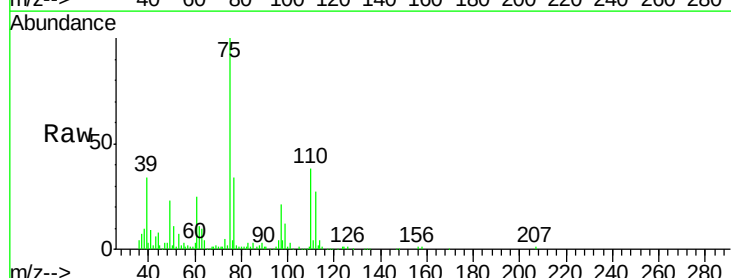
Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

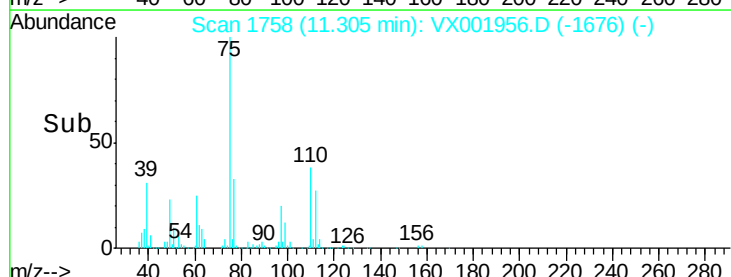
Tgt Ion: 75 Resp: 39989

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 28.9  | 0.0   | 71.8  |

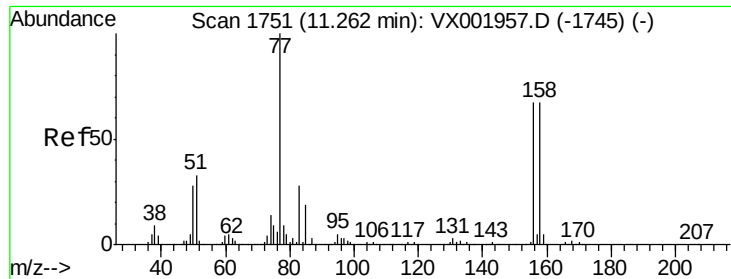


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0







#73

Bromobenzene

Concen: 5.11 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

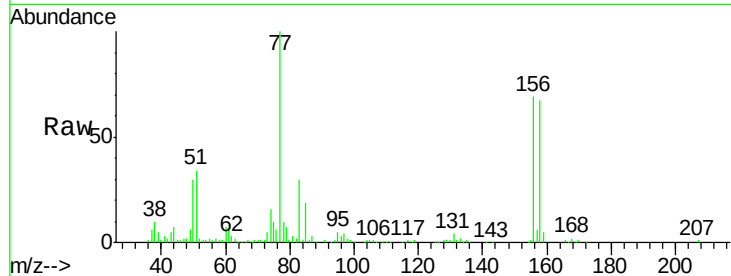
Tgt Ion:156 Resp: 25173

Ion Ratio Lower Upper

156 100

77 154.9 0.0 301.0

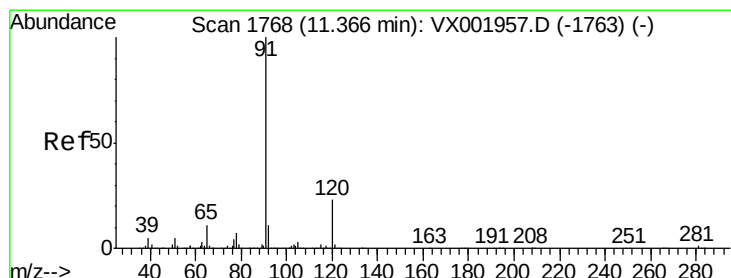
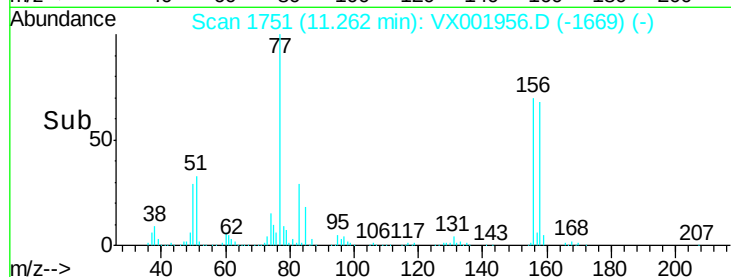
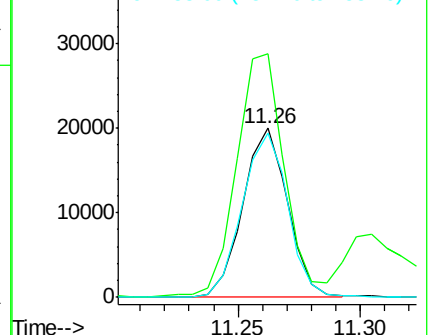
158 101.3 0.0 196.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.67 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001956.D

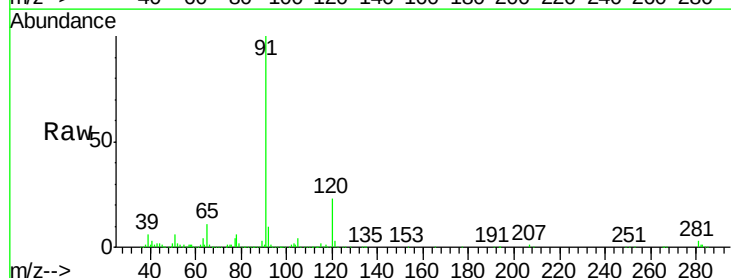
Acq: 24 May 2018 22:31

Tgt Ion: 91 Resp: 104155

Ion Ratio Lower Upper

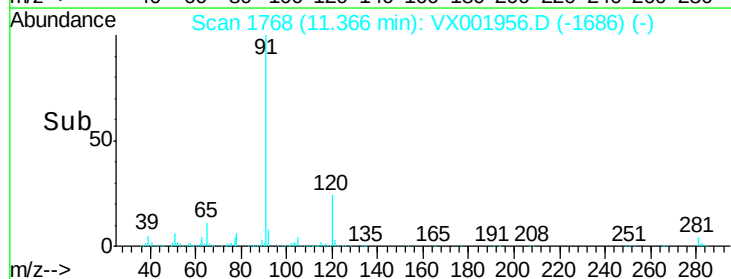
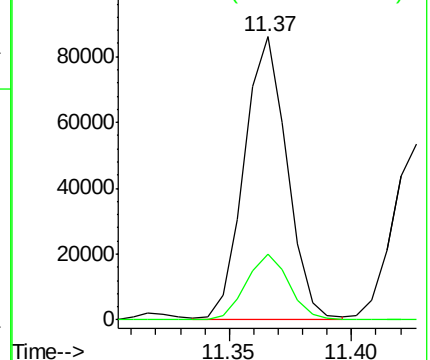
91 100

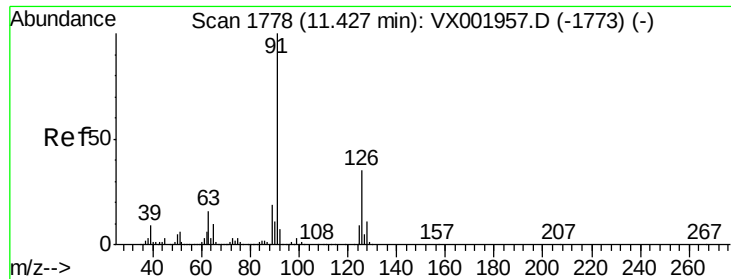
120 23.3 0.0 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.82 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

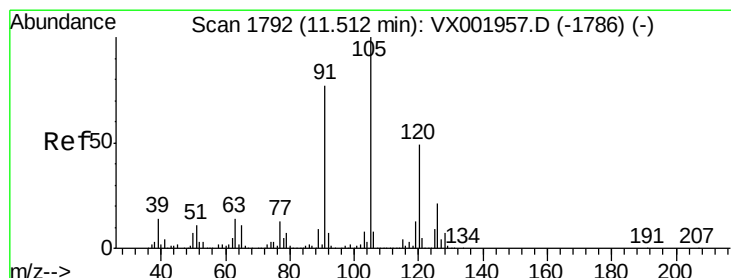
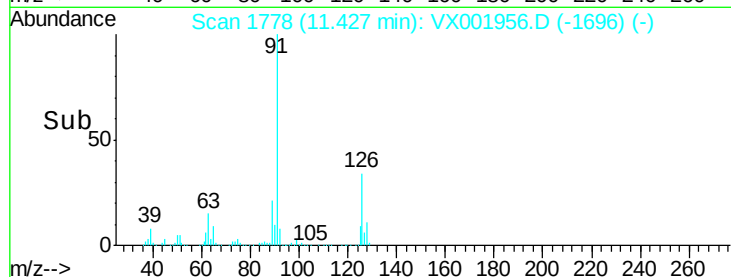
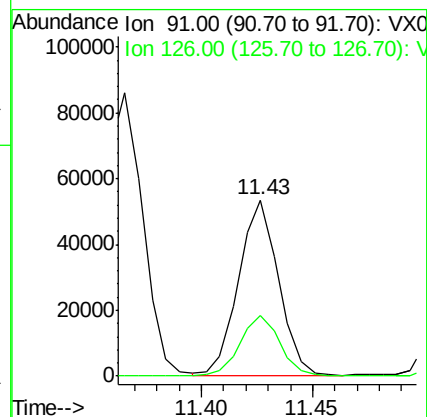
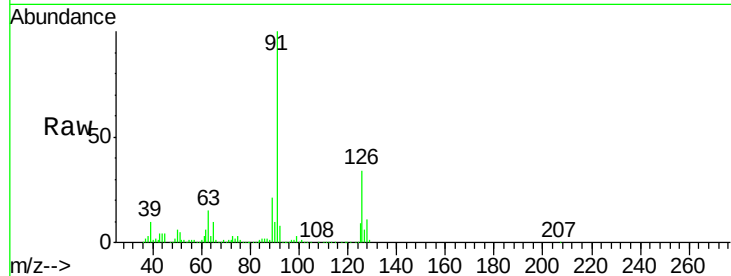
VSTDIC005

Tgt Ion: 91 Resp: 66760

Ion Ratio Lower Upper

91 100

126 33.7 0.0 69.4



#76

1,3,5-Trimethylbenzene

Concen: 5.84 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001956.D

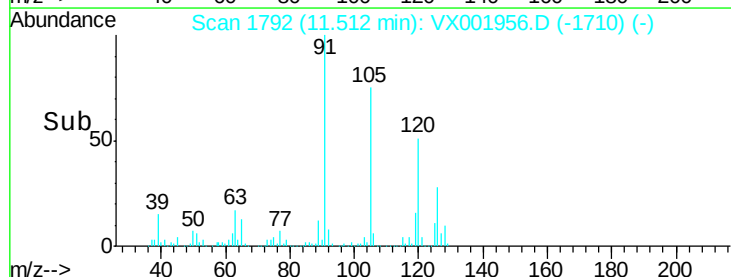
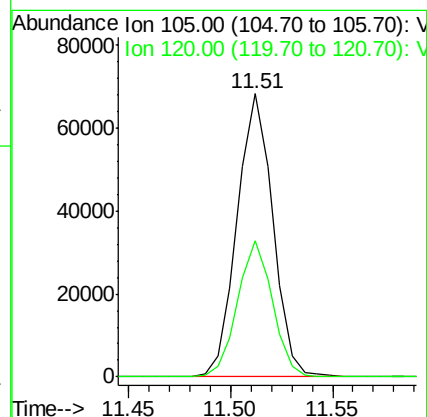
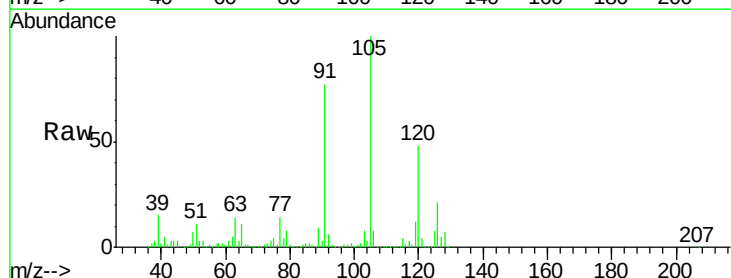
Acq: 24 May 2018 22:31

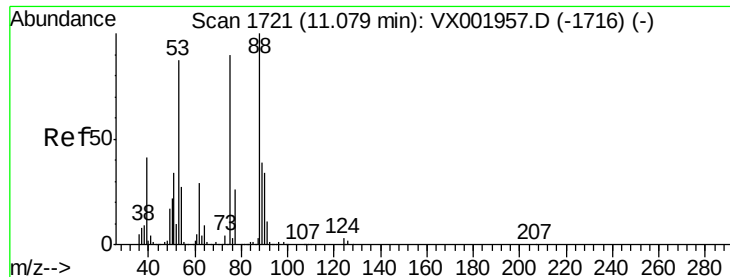
Tgt Ion: 105 Resp: 81997

Ion Ratio Lower Upper

105 100

120 47.0 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 6.91 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

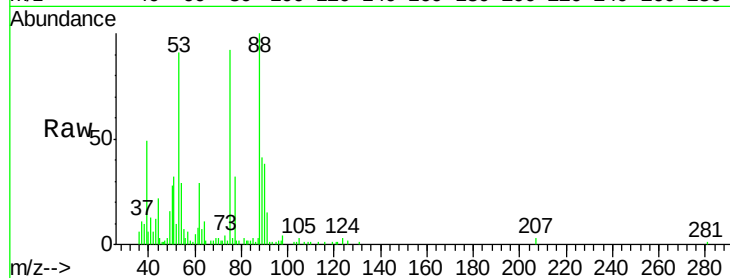
Tgt Ion: 75 Resp: 10430

Ion Ratio Lower Upper

75 100

53 96.1 48.3 144.9

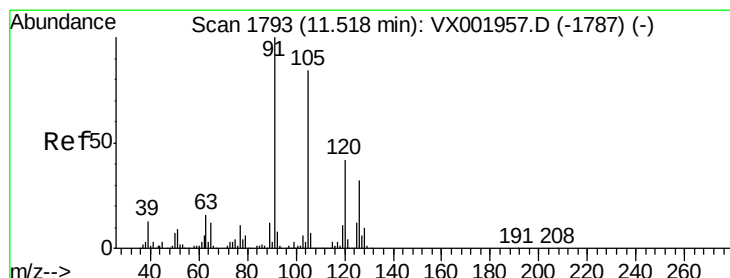
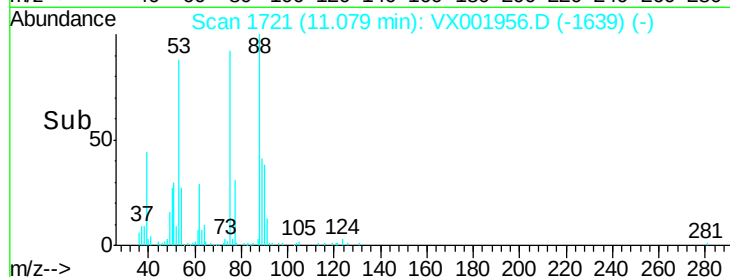
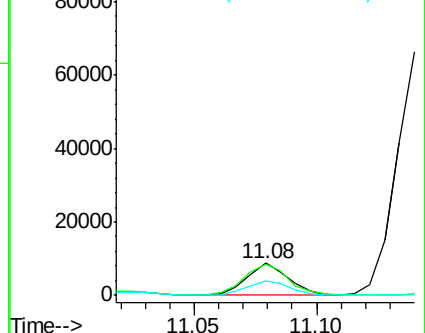
89 44.5 21.8 65.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 5.62 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001956.D

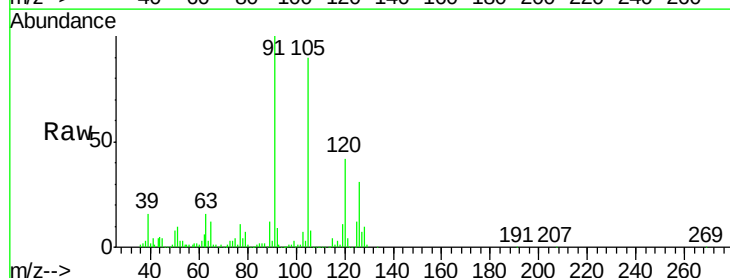
Acq: 24 May 2018 22:31

Tgt Ion: 91 Resp: 73164

Ion Ratio Lower Upper

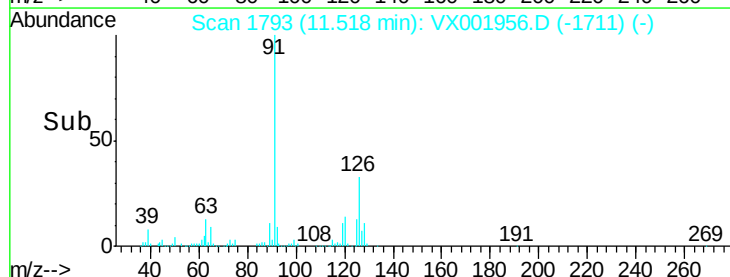
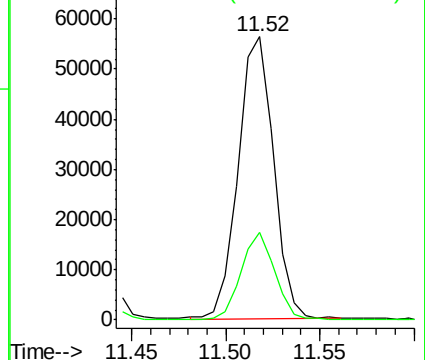
91 100

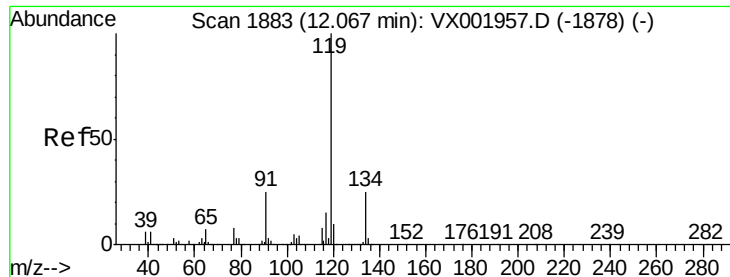
126 29.5 0.0 61.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 5.50 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

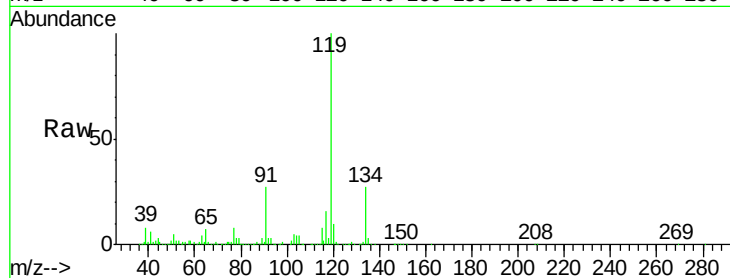
Tgt Ion:119 Resp: 81289

Ion Ratio Lower Upper

119 100

91 24.9 0.0 48.0

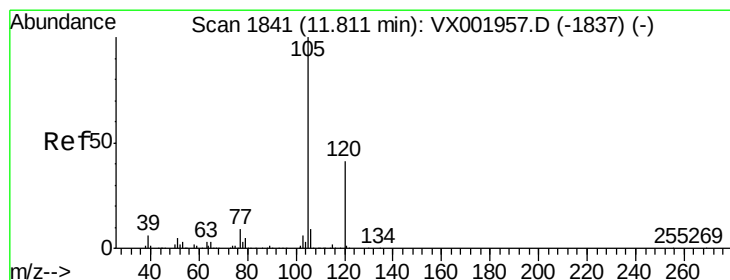
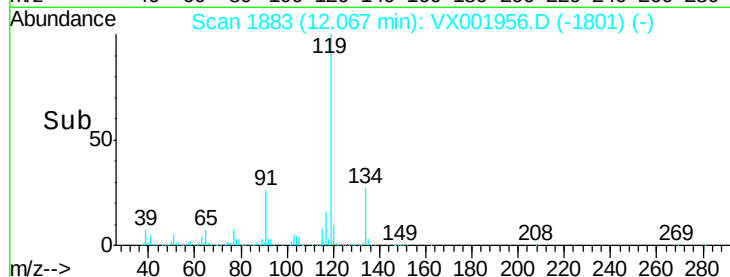
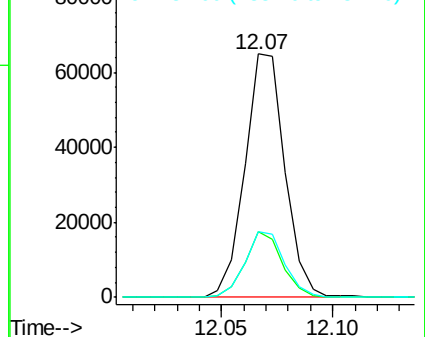
134 27.0 0.0 52.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 5.64 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX001956.D

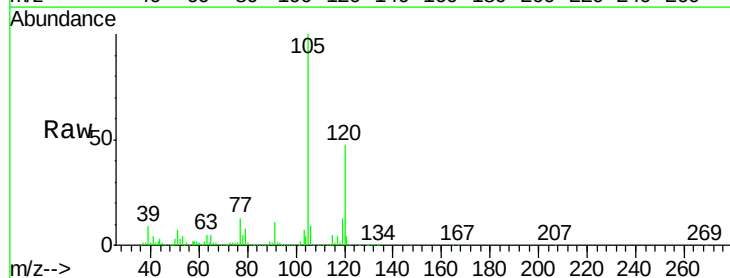
Acq: 24 May 2018 22:31

Tgt Ion:105 Resp: 80618

Ion Ratio Lower Upper

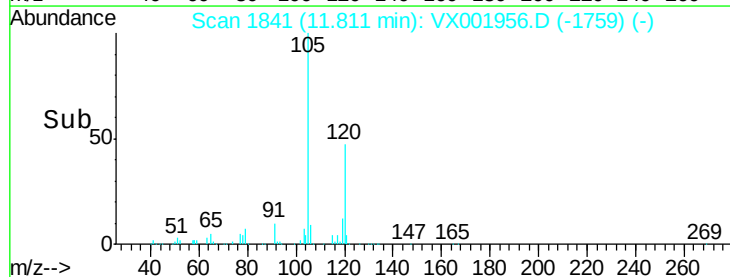
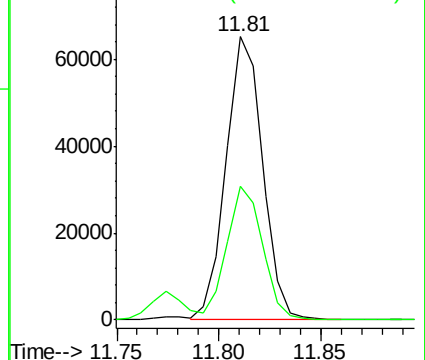
105 100

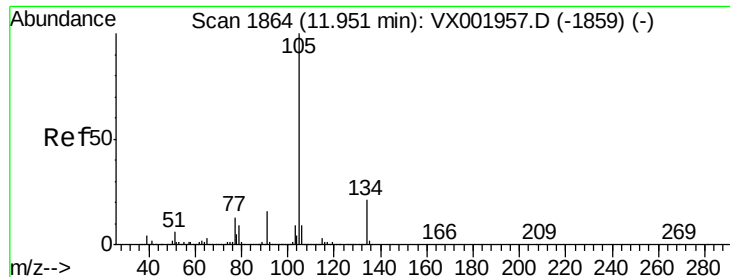
120 46.3 0.0 89.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 5.66 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

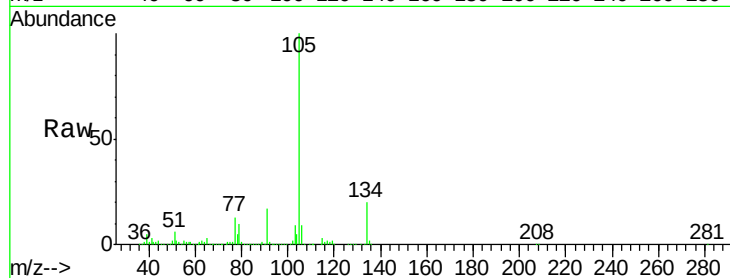
VSTDIC005

Tgt Ion:105 Resp: 92364

Ion Ratio Lower Upper

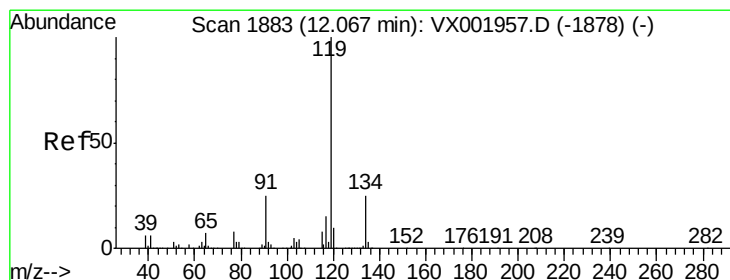
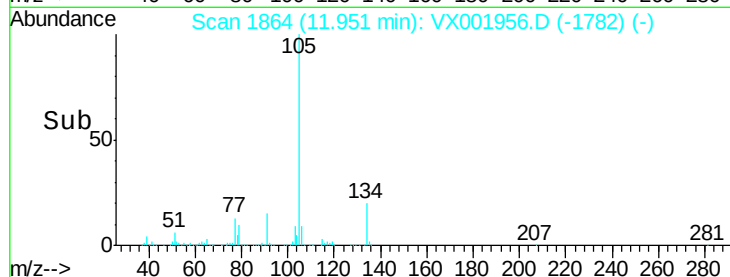
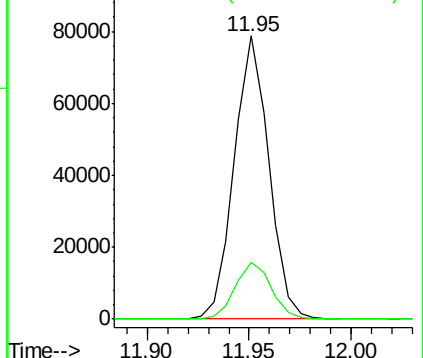
105 100

134 21.0 0.0 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 5.50 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

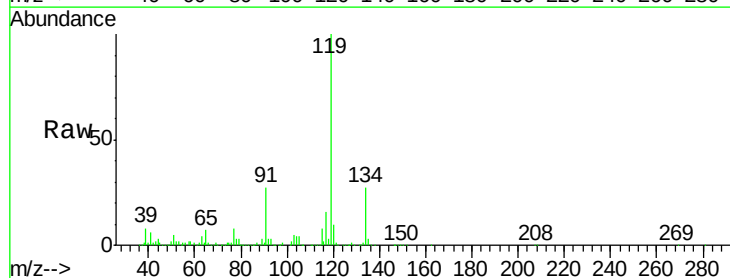
Tgt Ion:119 Resp: 81289

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.6

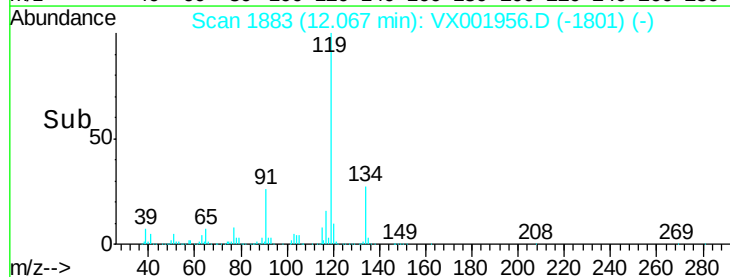
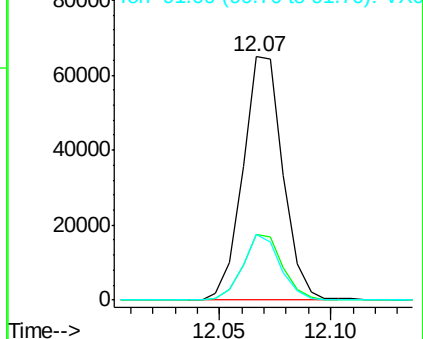
91 24.9 0.0 48.0

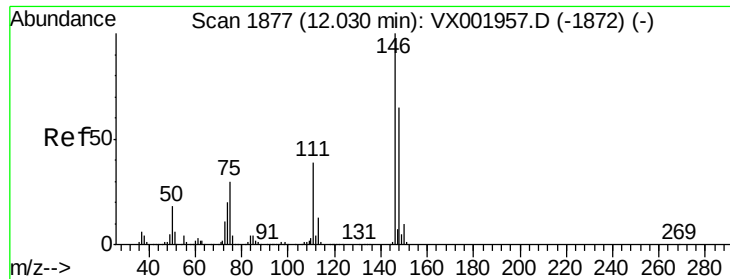


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 5.04 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

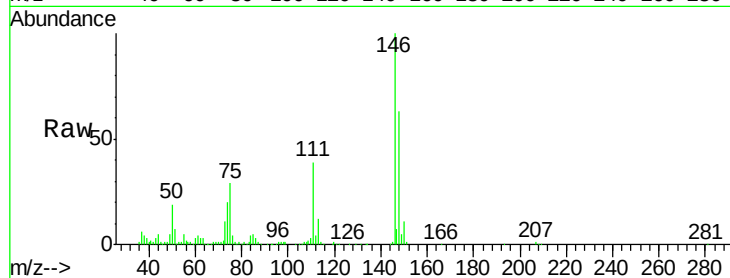
Tgt Ion:146 Resp: 43239

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.5

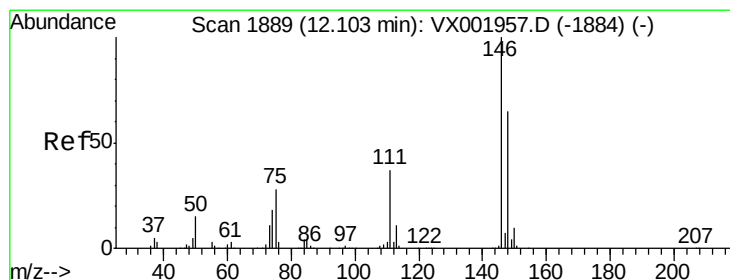
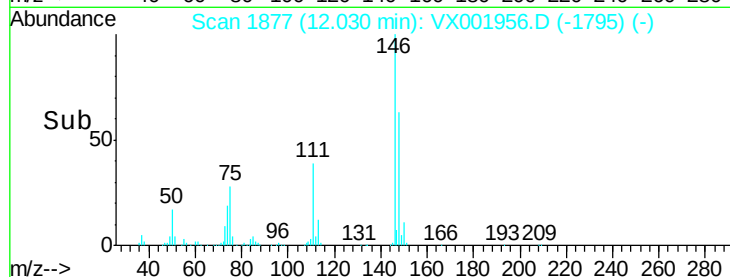
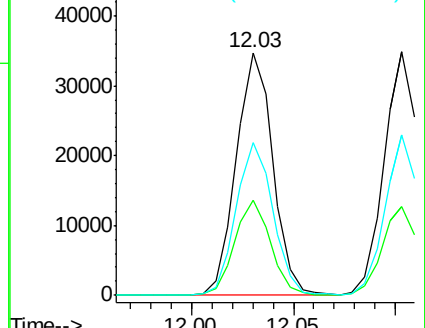
148 63.6 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 4.88 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

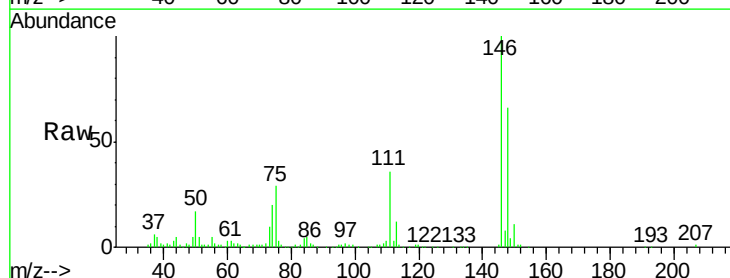
Tgt Ion:146 Resp: 42003

Ion Ratio Lower Upper

146 100

111 37.7 18.5 55.5

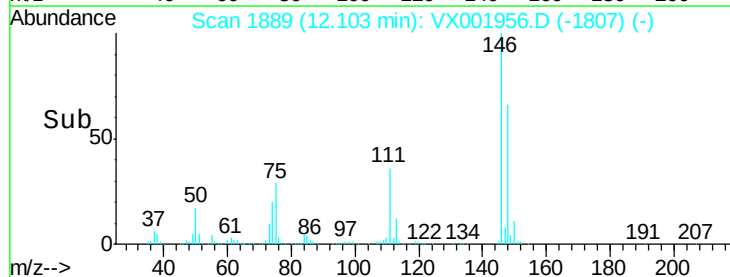
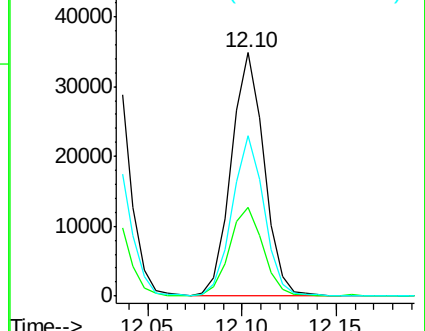
148 64.5 32.0 96.0

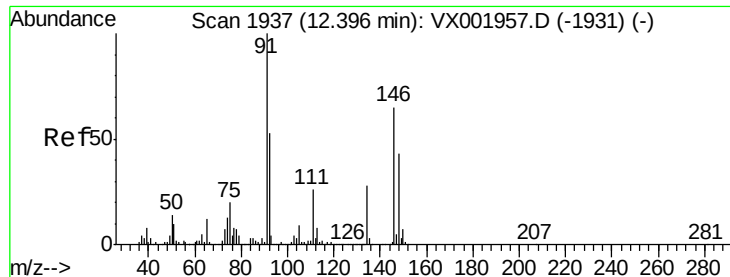


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

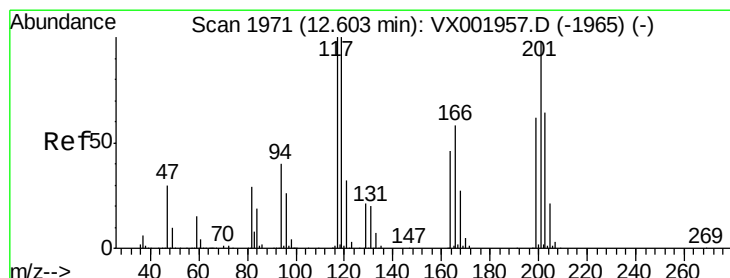
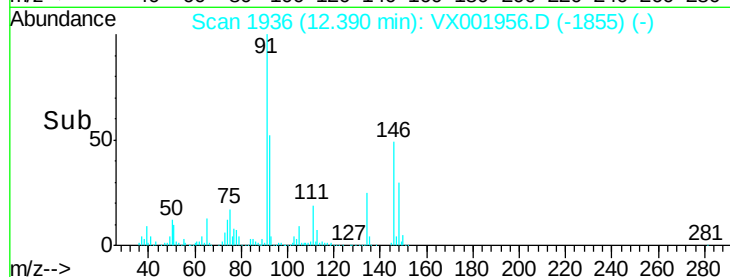
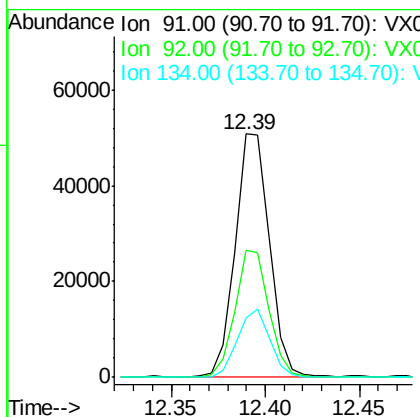
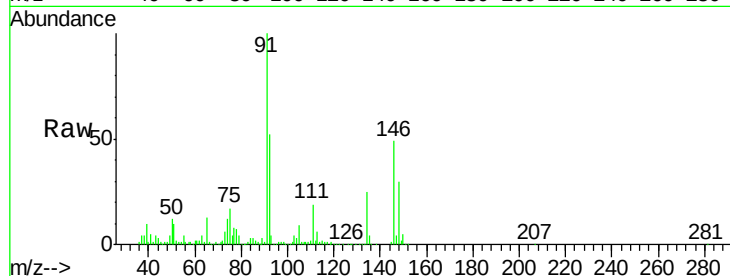




#85  
n-Butylbenzene  
Concen: 5.36 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

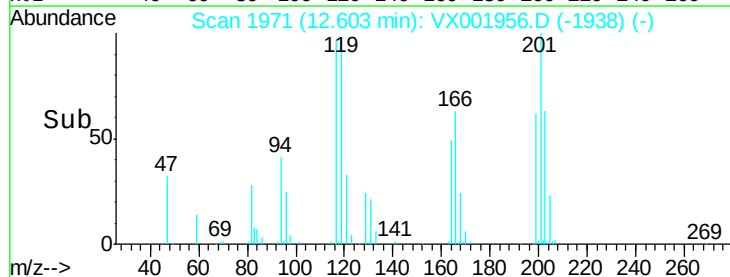
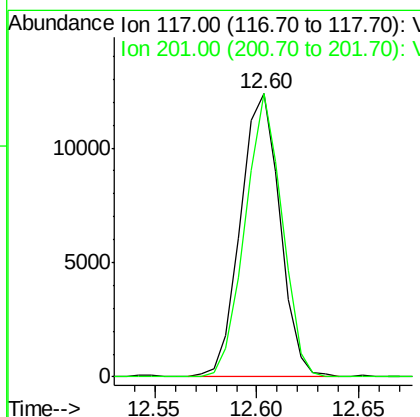
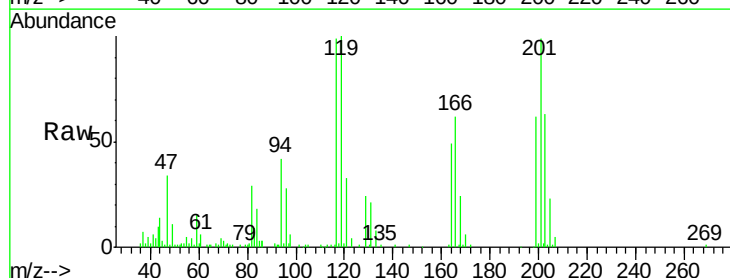
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

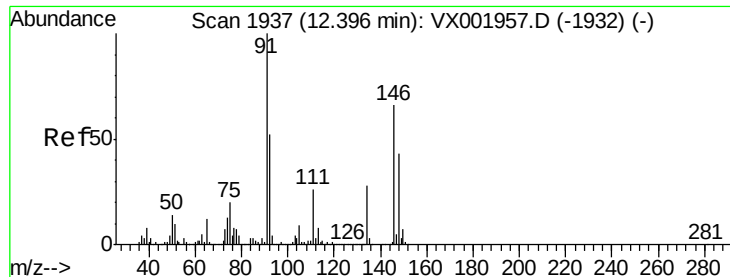
Tgt Ion: 91 Resp: 63861  
Ion Ratio Lower Upper  
91 100  
92 51.8 0.0 105.2  
134 26.3 0.0 53.2



#86  
Hexachloroethane  
Concen: 6.63 ug/l  
RT: 12.60 min Scan# 1971  
Delta R.T. -0.00 min  
Lab File: VX001956.D  
Acq: 24 May 2018 22:31

Tgt Ion: 117 Resp: 16580  
Ion Ratio Lower Upper  
117 100  
201 93.7 47.6 142.8

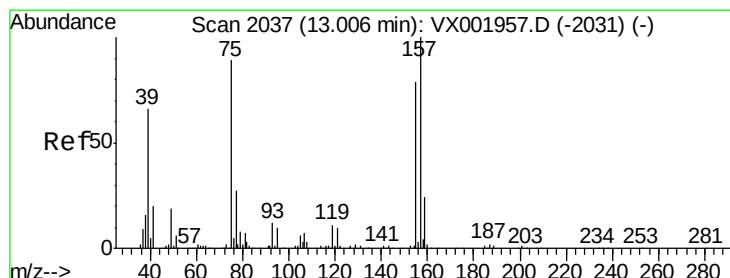
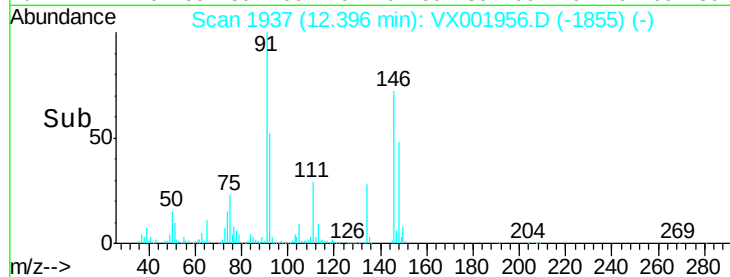
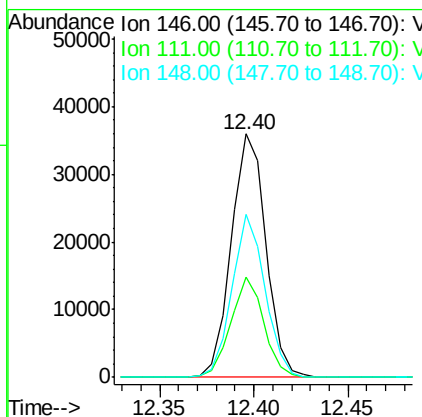
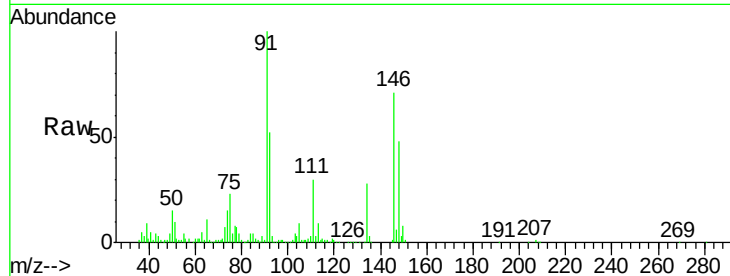




#87  
 1,2-Dichlorobenzene  
 Concen: 5.16 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

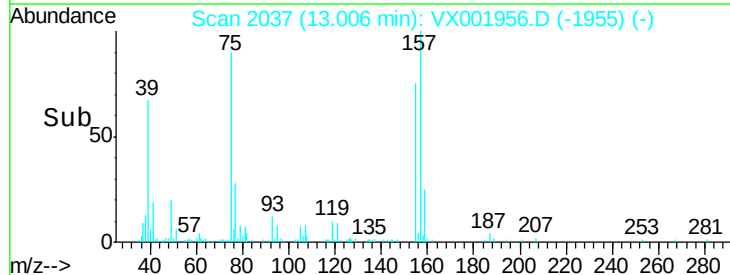
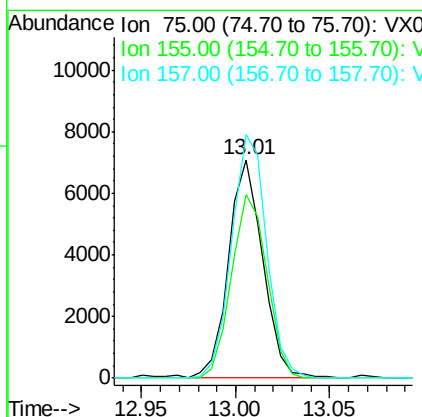
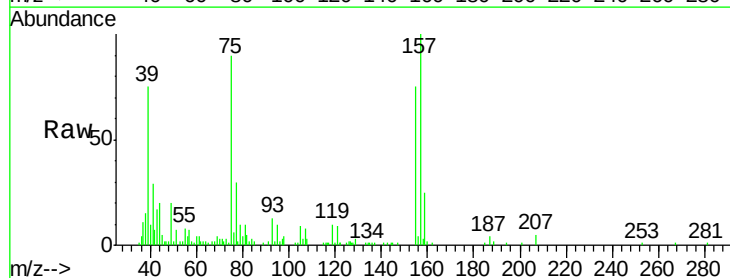
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 146 Resp: 45848  
 Ion Ratio Lower Upper  
 146 100  
 111 39.4 20.0 59.9  
 148 64.1 32.8 98.3

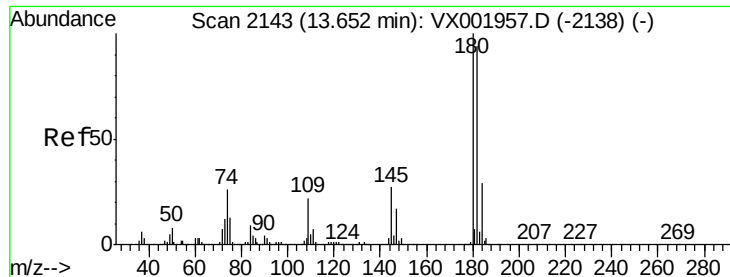


#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 6.57 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

Tgt Ion: 75 Resp: 8926  
 Ion Ratio Lower Upper  
 75 100  
 155 86.4 73.1 109.7  
 157 114.3 93.1 139.7



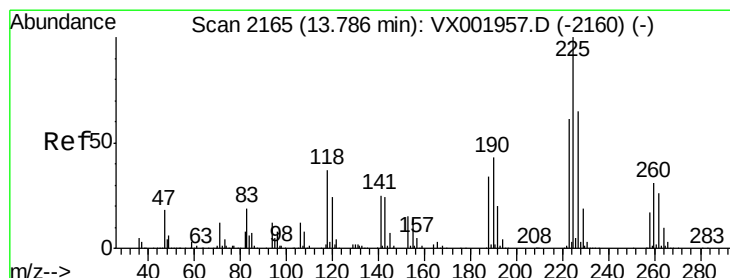
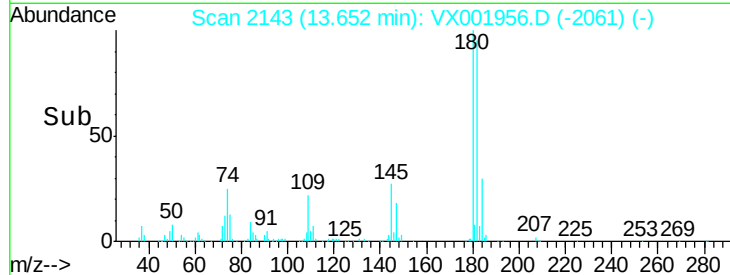
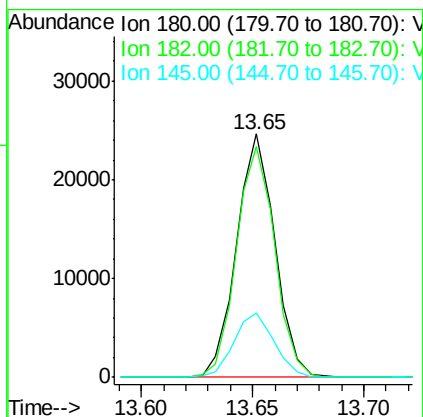
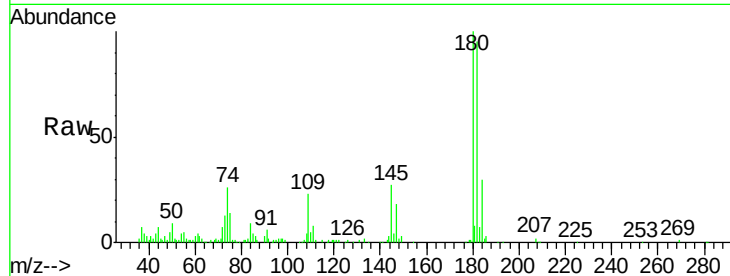




#89  
 1,2,4-Trichlorobenzene  
 Concen: 4.68 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

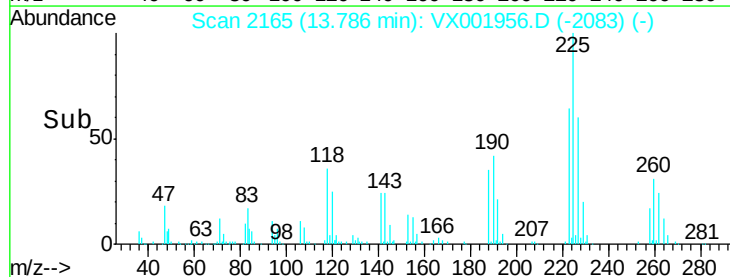
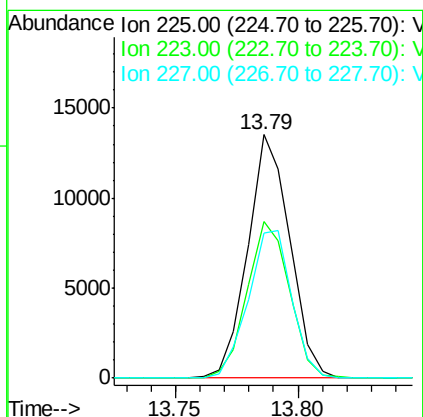
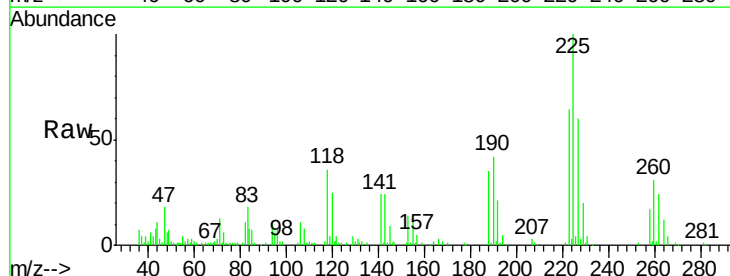
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

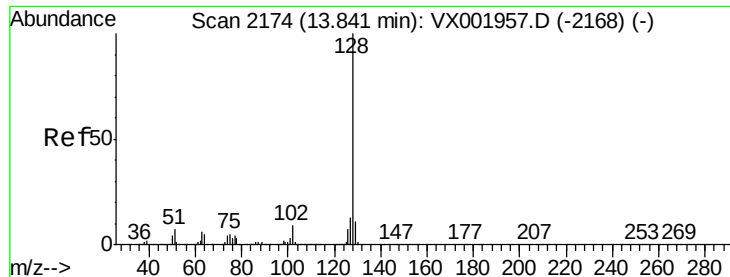
Tgt Ion:180 Resp: 29586  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 76.4 114.6  
 145 27.9 22.9 34.3



#90  
 Hexachlorobutadiene  
 Concen: 5.02 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: VX001956.D  
 Acq: 24 May 2018 22:31

Tgt Ion:225 Resp: 16276  
 Ion Ratio Lower Upper  
 225 100  
 223 64.7 0.0 122.4  
 227 62.7 0.0 128.0





#91

Naphthalene

Concen: 5.26 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

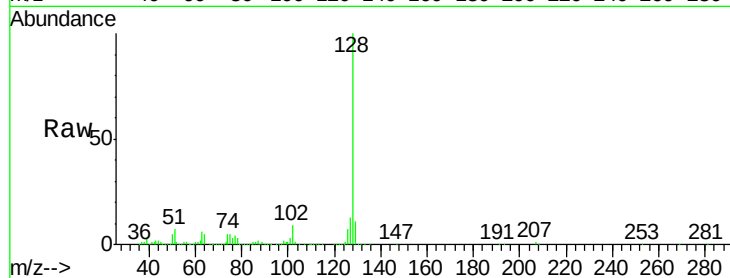
Tgt Ion:128 Resp: 101353

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

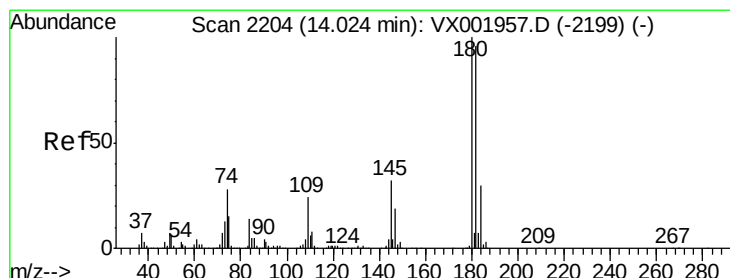
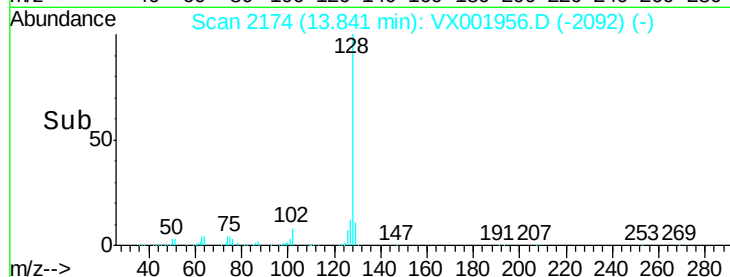
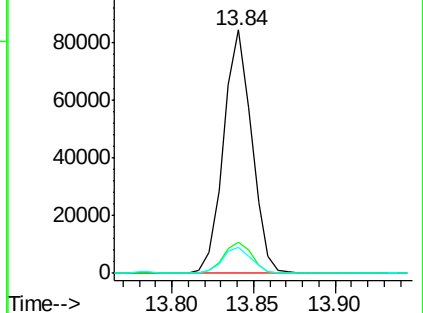
129 11.4 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 4.90 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001956.D

Acq: 24 May 2018 22:31

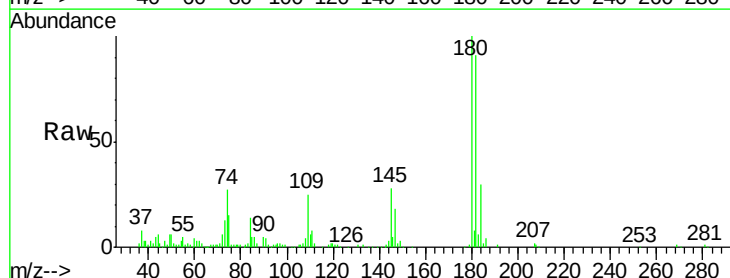
Tgt Ion:180 Resp: 32752

Ion Ratio Lower Upper

180 100

182 92.7 0.0 191.0

145 28.9 0.0 60.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

