

Data Path : W:\HPCHEM1\MSVOA\_X\DATA\VX051118\  
 Data File : VX001619.D  
 Acq On : 10 May 2018 23:29  
 Operator : JC/MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Quant Time: May 11 07:00:06 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\624X051118W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri May 11 06:59:10 2018  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.03  | 128  | 54186    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.87  | 114  | 274955   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.12 | 117  | 250743   | 30.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4 | 6.08   | 65    | 121099   | 30.87    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 50 - 169 | Recovery | =    | 102.90% |
| 60) 4-Bromofluorobenzene  | 11.14  | 95    | 119529   | 28.62    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 56 - 143 | Recovery | =    | 95.40%  |
| 63) Toluene-d8            | 8.72   | 98    | 338460   | 31.16    | ug/l | 0.00    |
| Spiked Amount             | 30.000 | Range | 66 - 137 | Recovery | =    | 103.87% |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 61853  | 18.23  | ug/l | 100    |
| 3) Chloromethane              | 1.32 | 50  | 65143  | 20.03  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 68435  | 20.04  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 41007  | 16.41  | ug/l | 100    |
| 6) Chloroethane               | 1.73 | 64  | 45303  | 21.19  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 98363  | 17.72  | ug/l | 100    |
| 8) Diethyl Ether              | 2.19 | 74  | 41459  | 20.62  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 55511  | 17.55  | ug/l | 100    |
| 10) 1,1-Dichloroethene        | 2.37 | 96  | 54662  | 18.75  | ug/l | 100    |
| 11) Methyl Iodide             | 2.51 | 142 | 74230  | 20.12  | ug/l | 100    |
| 12) Methyl Acetate            | 2.78 | 43  | 92373  | 22.97  | ug/l | 100    |
| 13) Acrolein                  | 2.30 | 56  | 48477  | 103.90 | ug/l | 100    |
| 14) Acrylonitrile             | 3.15 | 53  | 183529 | 114.57 | ug/l | 100    |
| 15) Acetone                   | 2.45 | 58  | 49438  | 102.66 | ug/l | 100    |
| 16) Carbon Disulfide          | 2.57 | 76  | 130596 | 17.12  | ug/l | 100    |
| 17) Allyl chloride            | 2.73 | 41  | 103349 | 19.80  | ug/l | 100    |
| 18) Methylene Chloride        | 2.86 | 84  | 64059  | 19.98  | ug/l | 100    |
| 19) trans-1,2-Dichloroethene  | 3.17 | 96  | 58962  | 18.79  | ug/l | 100    |
| 20) Diisopropyl ether         | 3.88 | 45  | 188622 | 18.54  | ug/l | 100    |
| 21) 1,1-Dichloroethane        | 3.70 | 63  | 111744 | 20.32  | ug/l | 100    |
| 22) cis-1,2-Dichloroethene    | 4.60 | 96  | 65421  | 18.74  | ug/l | 100    |
| 23) tert-Butyl Alcohol        | 3.08 | 59  | 80715  | 120.92 | ug/l | 100    |
| 24) Methyl tert-Butyl Ether   | 3.21 | 73  | 197783 | 19.64  | ug/l | 100    |
| 25) Chloroform                | 5.22 | 83  | 113684 | 19.05  | ug/l | 100    |
| 26) Cyclohexane               | 5.58 | 56  | 81670  | 16.83  | ug/l | # 100  |
| 29) 1,1-Dichloropropene       | 5.81 | 75  | 75189  | 18.70  | ug/l | 100    |
| 30) 2-Butanone                | 4.72 | 43  | 246258 | 114.26 | ug/l | 100    |
| 31) 2,2-Dichloropropane       | 4.59 | 77  | 64245  | 15.32  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 5.50 | 97  | 96210  | 19.64  | ug/l | 100    |
| 33) Carbon Tetrachloride      | 5.79 | 117 | 83788  | 18.96  | ug/l | 100    |
| 34) Benzene                   | 6.15 | 78  | 239692 | 19.95  | ug/l | 100    |
| 35) Methacrylonitrile         | 5.07 | 41  | 52894  | 22.19  | ug/l | 100    |
| 36) 1,2-Dichloroethane        | 6.21 | 62  | 95963  | 20.60  | ug/l | 100    |
| 37) Trichloroethene           | 7.22 | 130 | 71076  | 19.56  | ug/l | 100    |
| 38) Methylcyclohexane         | 7.46 | 83  | 80456  | 17.30  | ug/l | 100    |
| 39) 1,2-Dichloropropane       | 7.52 | 63  | 59528  | 19.55  | ug/l | 100    |
| 40) Dibromomethane            | 7.67 | 93  | 43137  | 20.06  | ug/l | 100    |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Quant Time: May 11 07:00:06 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\624X051118W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri May 11 06:59:10 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Bromodichloromethane       | 7.91  | 83   | 79312    | 19.54  | ug/l  | 100      |
| 42) Vinyl Acetate              | 3.83  | 43   | 801568   | 98.29  | ug/l  | 100      |
| 43) Ethyl Acetate              | 4.87  | 43   | 93356    | 22.41  | ug/l  | 100      |
| 44) Isopropyl Acetate          | 6.48  | 43   | 138519   | 20.08  | ug/l  | 100      |
| 45) 1,4-Dioxane                | 7.76  | 88   | 33030    | 492.27 | ug/l  | 100      |
| 46) Methyl methacrylate        | 7.79  | 41   | 75934    | 20.96  | ug/l  | 100      |
| 47) n-amyl Acetate             | 10.91 | 43   | 118096   | 18.15  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene      | 8.44  | 75   | 86358    | 18.27  | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene    | 9.05  | 75   | 74956    | 16.82  | ug/l  | 100      |
| 50) 1,1,2-Trichloroethane      | 9.22  | 97   | 64836    | 20.28  | ug/l  | 100      |
| 51) Ethyl methacrylate         | 9.19  | 69   | 87500    | 19.24  | ug/l  | 100      |
| 52) 1,3-Dichloropropane        | 9.38  | 76   | 105482   | 20.36  | ug/l  | 100      |
| 53) Dibromochloromethane       | 9.59  | 129  | 63905    | 18.28  | ug/l  | 100      |
| 54) 1,2-Dibromoethane          | 9.68  | 107  | 68395    | 19.93  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether  | 8.32  | 63   | 241737   | 106.69 | ug/l  | 100      |
| 56) Bromoform                  | 10.87 | 173  | 49937    | 17.42  | ug/l  | 100      |
| 58) 4-Methyl-2-Pentanone       | 8.66  | 43   | 487325   | 113.48 | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.51  | 43   | 363946   | 109.50 | ug/l  | 100      |
| 61) Tetrachloroethene          | 9.34  | 164  | 80395    | 21.01  | ug/l  | 100      |
| 62) Toluene                    | 8.79  | 91   | 260892   | 19.50  | ug/l  | 100      |
| 64) Chlorobenzene              | 10.15 | 112  | 173256   | 19.23  | ug/l  | 100      |
| 65) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 64285    | 19.54  | ug/l  | 100      |
| 66) Ethyl Benzene              | 10.26 | 91   | 271237   | 18.39  | ug/l  | 100      |
| 67) m/p-Xylenes                | 10.37 | 106  | 218849   | 37.13  | ug/l  | 100      |
| 68) o-Xylene                   | 10.71 | 106  | 106518   | 18.72  | ug/l  | 100      |
| 69) Styrene                    | 10.72 | 104  | 175524   | 18.53  | ug/l  | 100      |
| 70) Isopropylbenzene           | 11.02 | 105  | 281191   | 18.29  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 91123    | 19.75  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane     | 11.30 | 75   | 105061   | 25.26  | ug/l  | 91       |
| 73) Bromobenzene               | 11.26 | 156  | 82678    | 18.41  | ug/l  | 100      |
| 74) n-propylbenzene            | 11.37 | 91   | 309311   | 17.85  | ug/l  | 100      |
| 75) 2-Chlorotoluene            | 11.43 | 91   | 193544   | 18.37  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 235421   | 17.97  | ug/l  | 100      |
| 77) t-1,4-Dichloro-2-butene    | 11.08 | 75   | 20798    | 16.97  | ug/l  | 100      |
| 78) 4-Chlorotoluene            | 11.52 | 91   | 218313   | 17.55  | ug/l  | 100      |
| 79) tert-butylbenzene          | 12.07 | 119  | 249603   | 17.83  | ug/l  | 100      |
| 80) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 241647   | 18.17  | ug/l  | 100      |
| 81) sec-Butylbenzene           | 11.95 | 105  | 272536   | 17.94  | ug/l  | 100      |
| 82) p-Isopropyltoluene         | 12.07 | 119  | 249603   | 17.83  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene        | 12.03 | 146  | 144348   | 17.75  | ug/l  | 100      |
| 84) 1,4-Dichlorobenzene        | 12.10 | 146  | 144778   | 17.53  | ug/l  | 100      |
| 85) n-Butylbenzene             | 12.40 | 91   | 190670   | 15.96  | ug/l  | 100      |
| 86) Hexachloroethane           | 12.60 | 117  | 37514    | 17.41  | ug/l  | 100      |
| 87) 1,2-Dichlorobenzene        | 12.40 | 146  | 149495   | 18.36  | ug/l  | 100      |
| 88) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 20661    | 21.00  | ug/l  | 100      |
| 89) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 102711   | 16.91  | ug/l  | 100      |
| 90) Hexachlorobutadiene        | 13.79 | 225  | 55091    | 18.91  | ug/l  | 100      |
| 91) Naphthalene                | 13.84 | 128  | 312230   | 19.31  | ug/l  | 100      |
| 92) 1,2,3-Trichlorobenzene     | 14.03 | 180  | 110538   | 18.16  | ug/l  | 100      |

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Sample : VSTDICCC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

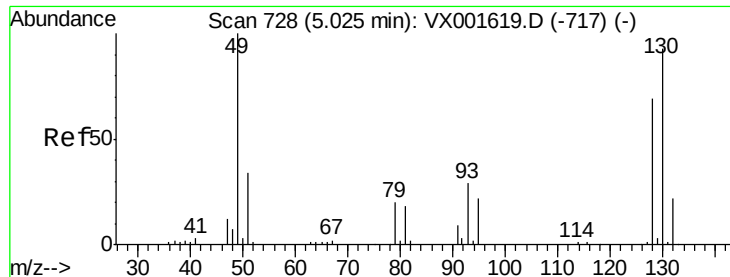
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Quant Time: May 11 07:00:06 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\624X051118W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri May 11 06:59:10 2018  
Response via : Initial Calibration

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

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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

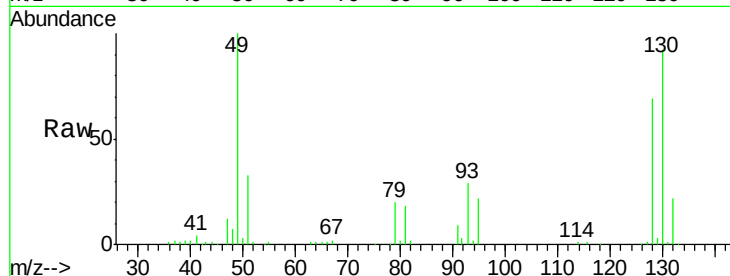
Tgt Ion:128 Resp: 54186

Ion Ratio Lower Upper

128 100

49 148.8 0.0 372.0

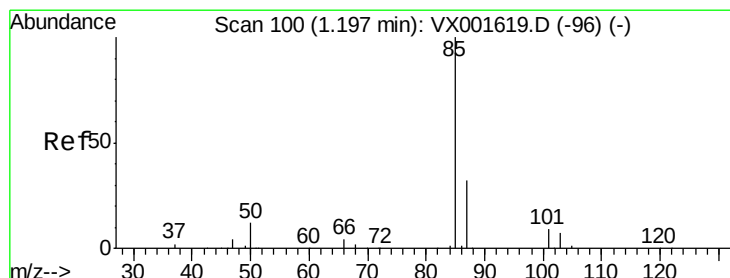
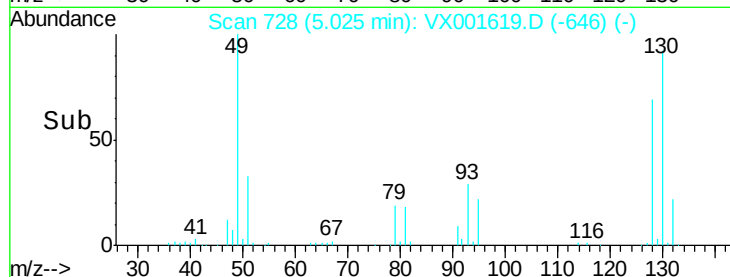
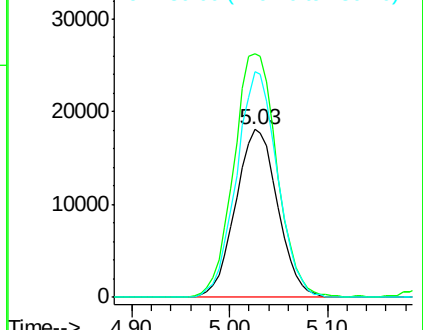
130 130.6 0.0 326.5



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: 18.23 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001619.D

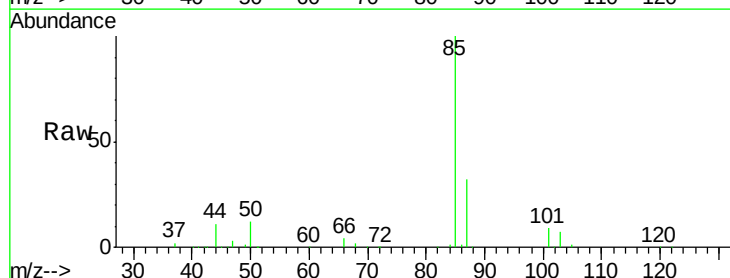
Acq: 10 May 2018 23:29

Tgt Ion: 85 Resp: 61853

Ion Ratio Lower Upper

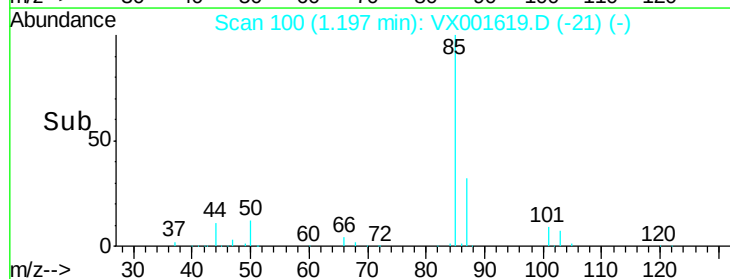
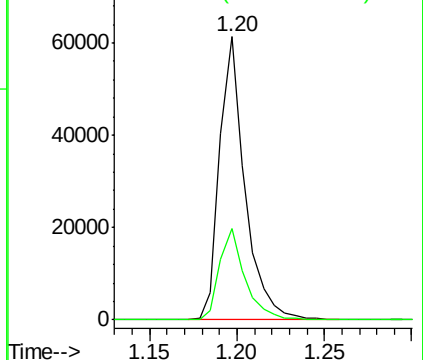
85 100

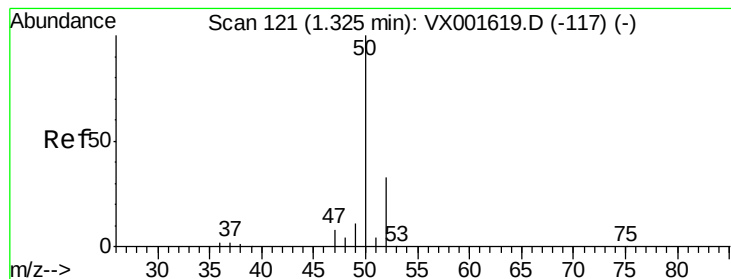
87 32.5 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.03 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

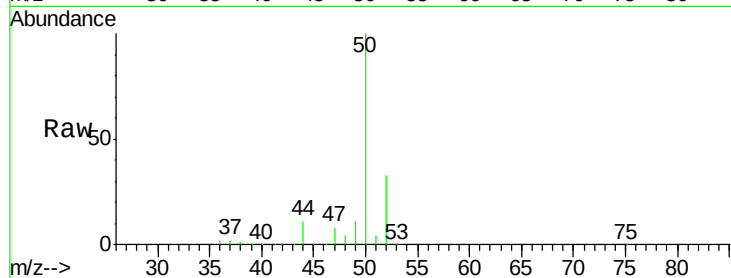
VSTDICCC020

Tgt Ion: 50 Resp: 65143

Ion Ratio Lower Upper

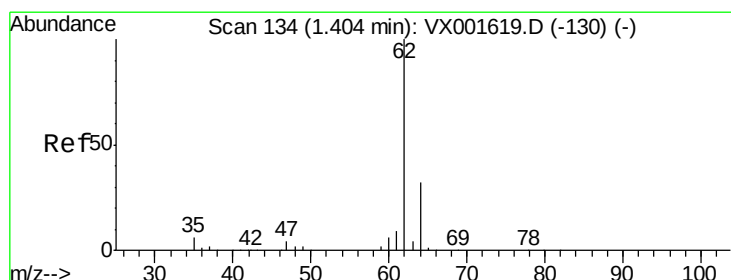
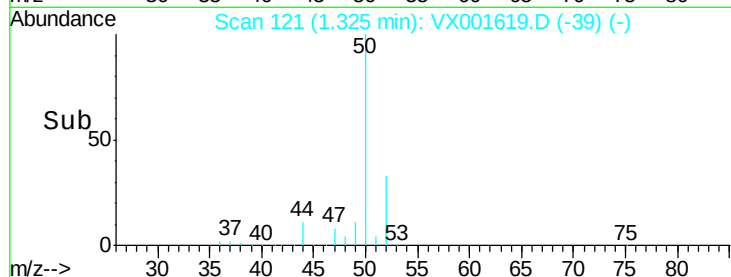
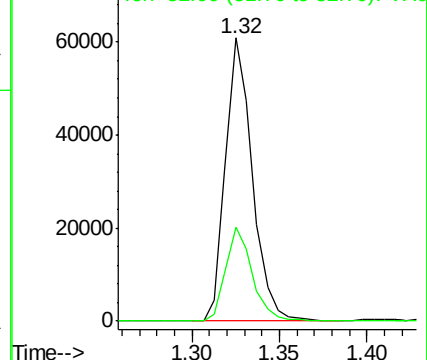
50 100

52 33.0 26.4 39.6



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 20.04 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001619.D

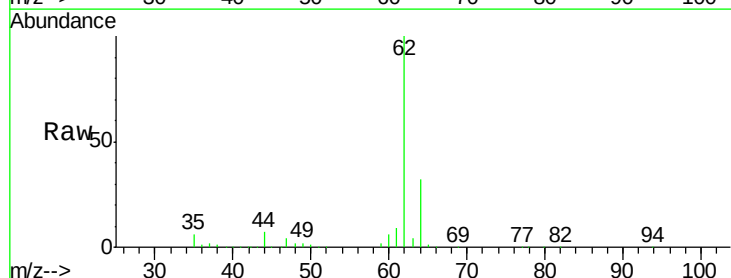
Acq: 10 May 2018 23:29

Tgt Ion: 62 Resp: 68435

Ion Ratio Lower Upper

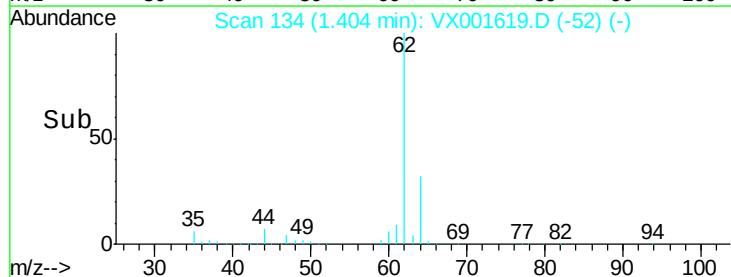
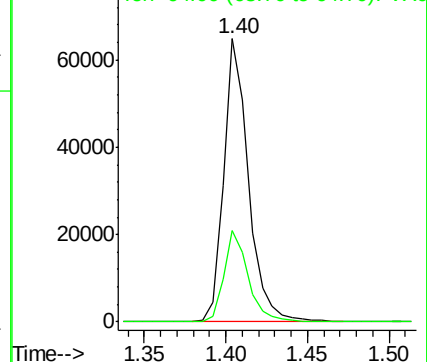
62 100

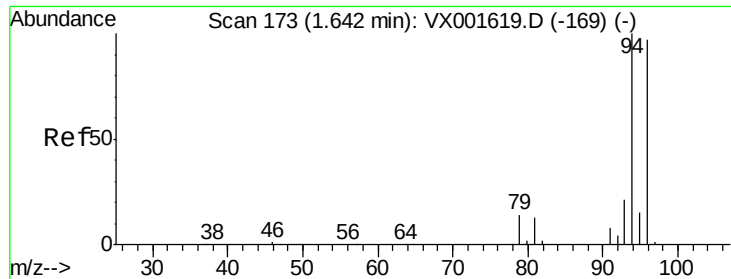
64 32.4 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

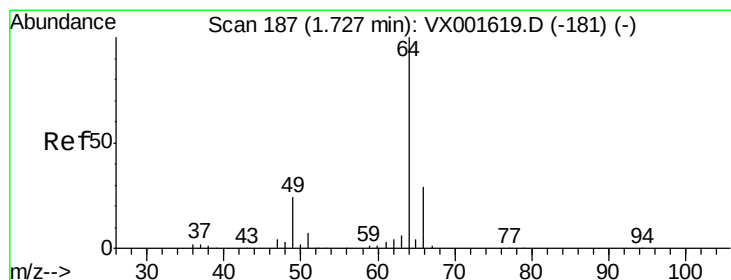
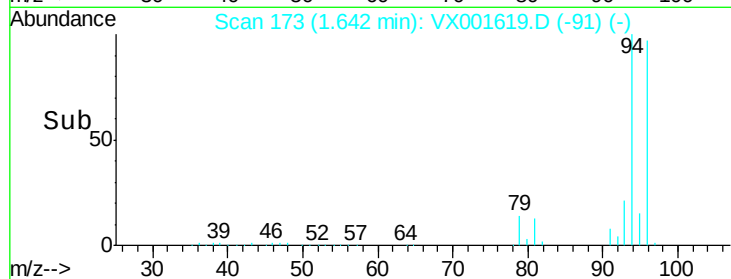
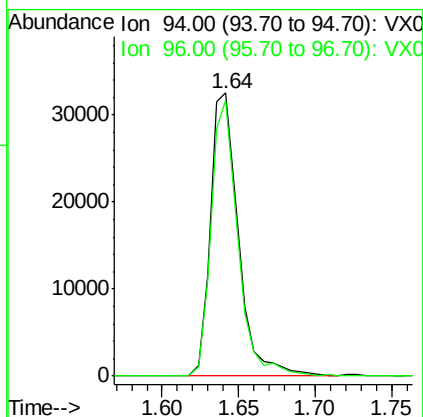
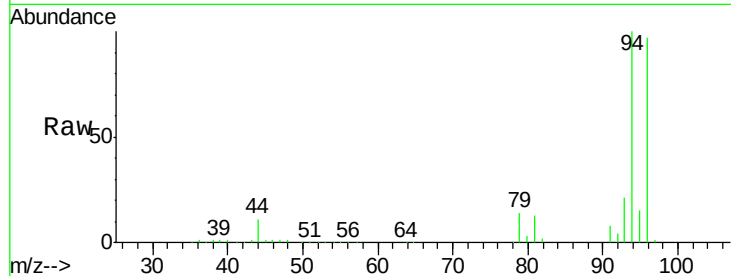




#5  
Bromomethane  
Concen: 16.41 ug/l  
RT: 1.64 min Scan# 173  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

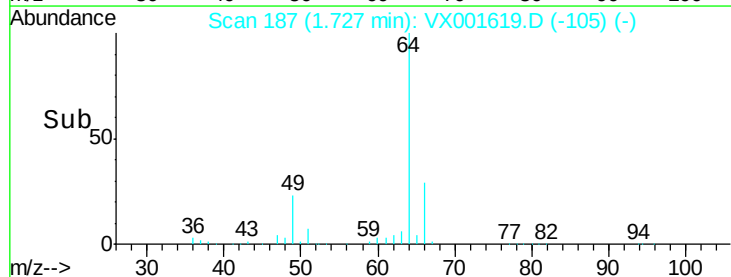
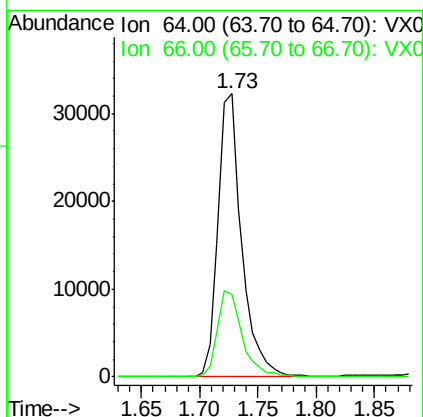
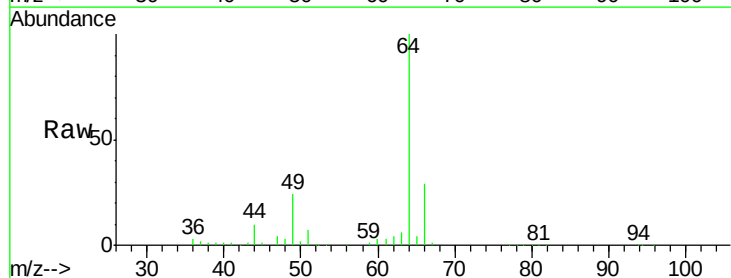
Instrument :  
MSVOA\_X  
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VSTDICCC020

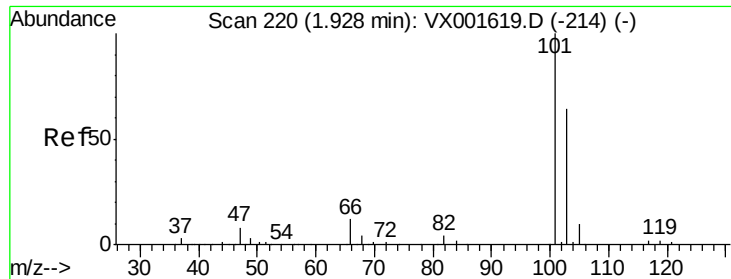
Tgt Ion: 94 Resp: 41007  
Ion Ratio Lower Upper  
94 100  
96 97.3 77.8 116.8



#6  
Chloroethane  
Concen: 21.19 ug/l  
RT: 1.73 min Scan# 187  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 64 Resp: 45303  
Ion Ratio Lower Upper  
64 100  
66 29.3 23.4 35.2



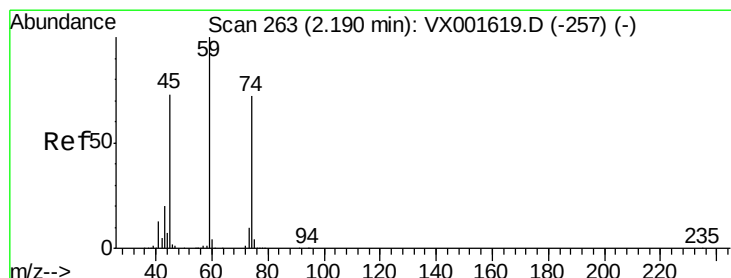
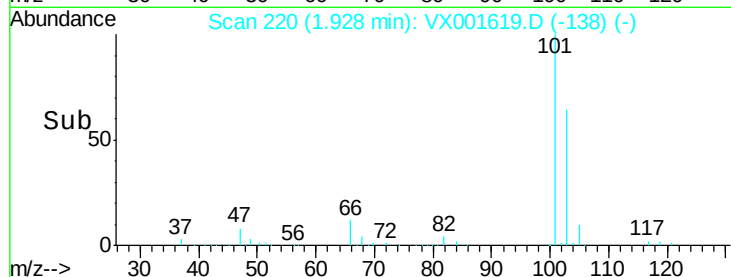
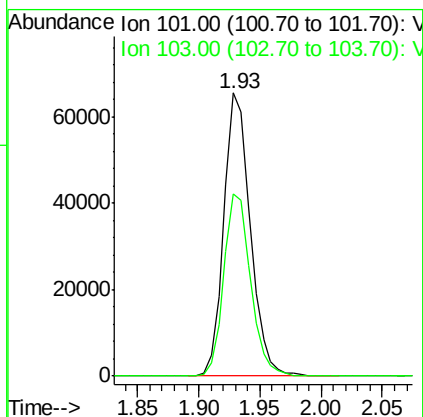
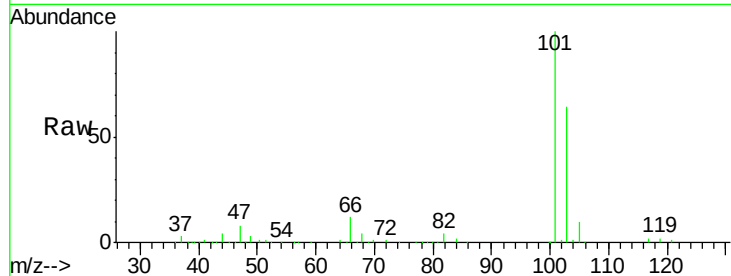


#7

Trichlorofluoromethane  
 Concen: 17.72 ug/l  
 RT: 1.93 min Scan# 220  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

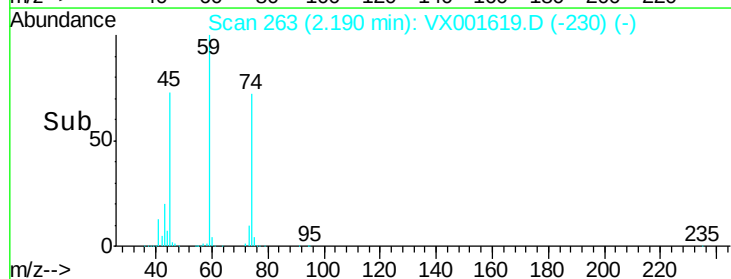
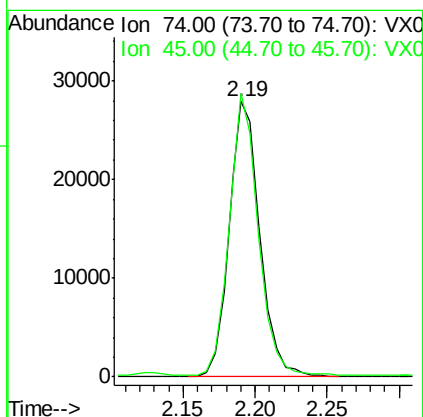
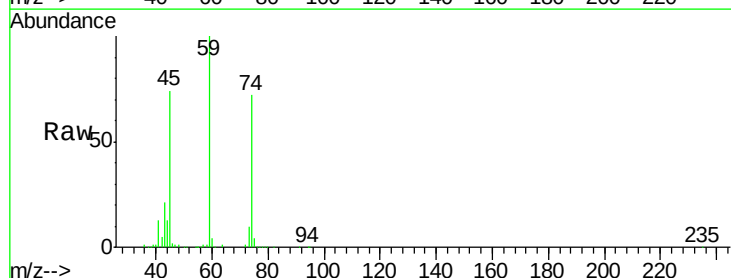
Tgt Ion:101 Resp: 98363  
 Ion Ratio Lower Upper  
 101 100  
 103 64.2 51.4 77.0



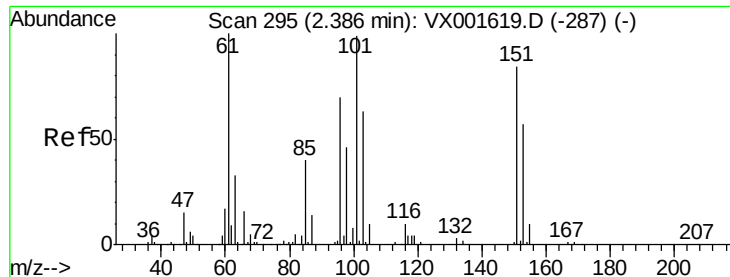
#8

Diethyl Ether  
 Concen: 20.62 ug/l  
 RT: 2.19 min Scan# 263  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 74 Resp: 41459  
 Ion Ratio Lower Upper  
 74 100  
 45 97.2 19.4 174.2







#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.55 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

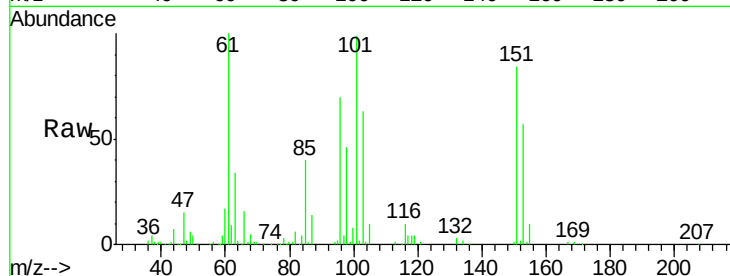
Tgt Ion:101 Resp: 55511

Ion Ratio Lower Upper

101 100

85 42.0 0.0 84.0

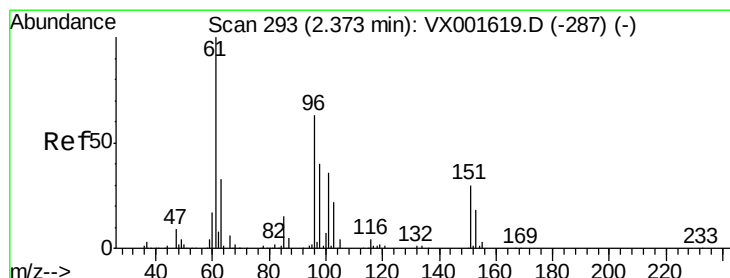
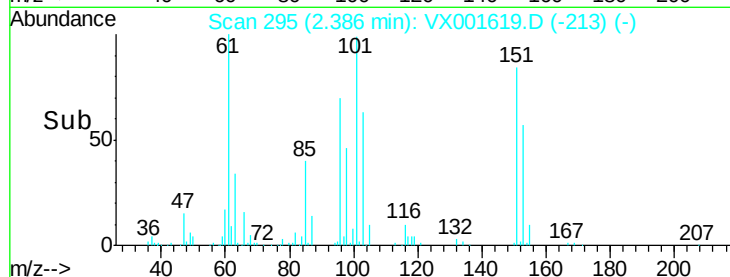
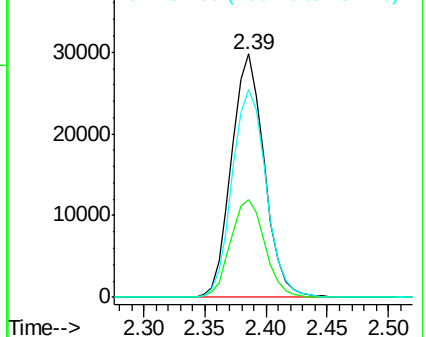
151 88.2 0.0 176.4



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: 18.75 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

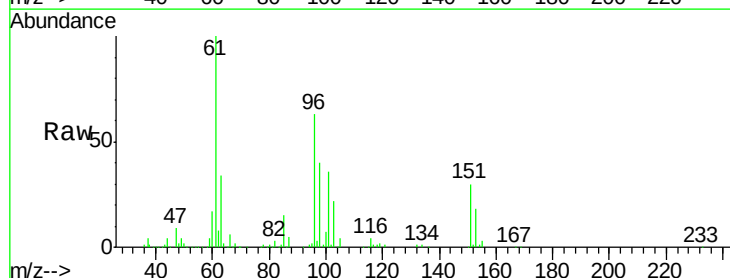
Tgt Ion: 96 Resp: 54662

Ion Ratio Lower Upper

96 100

61 158.1 126.5 189.7

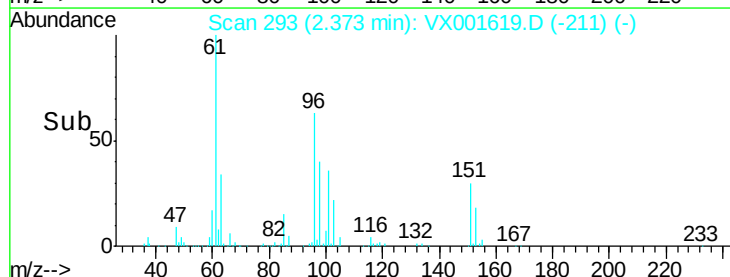
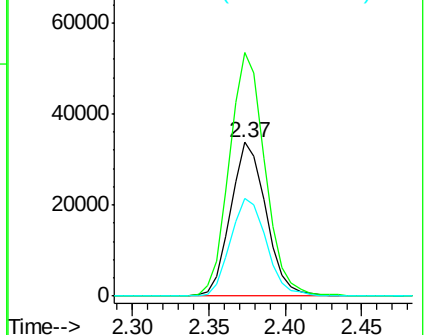
98 63.2 50.6 75.8

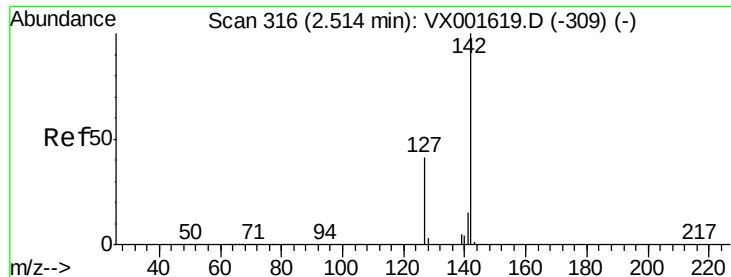


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

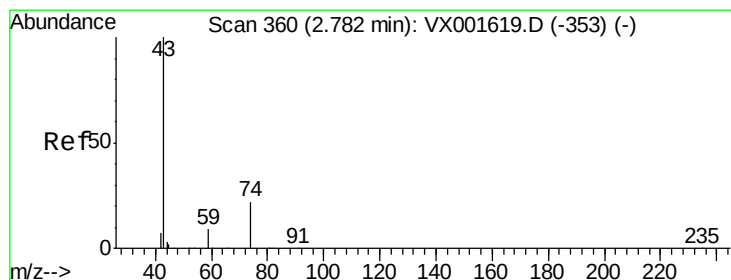
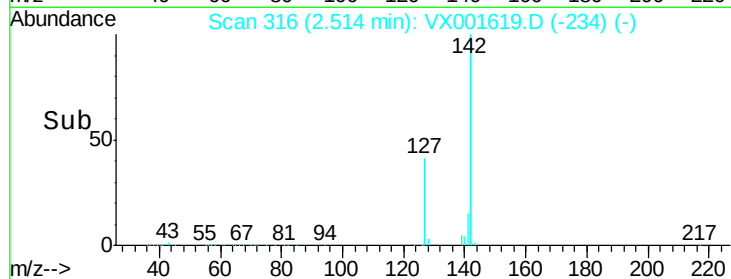
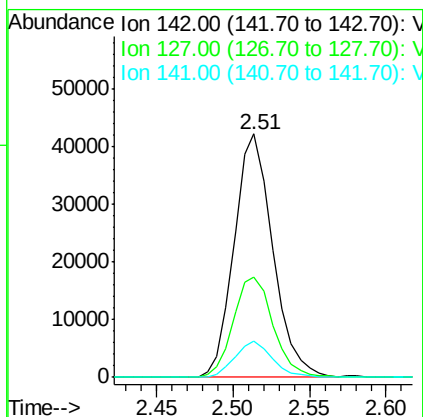
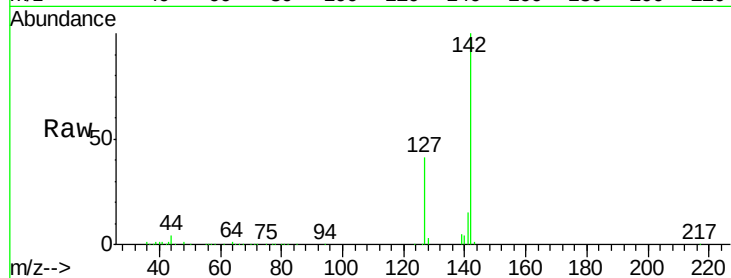




#11  
Methyl Iodide  
Concen: 20.12 ug/l  
RT: 2.51 min Scan# 316  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

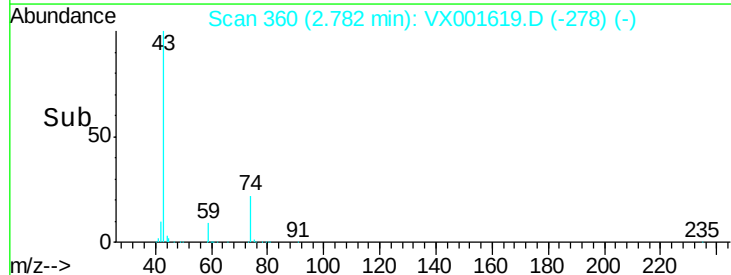
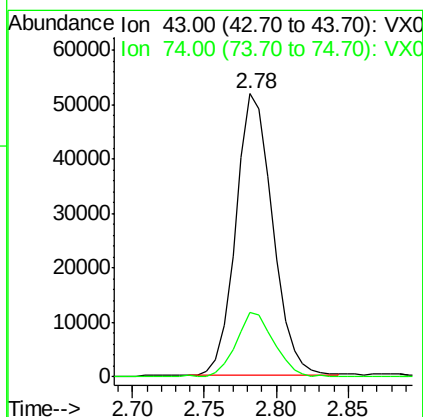
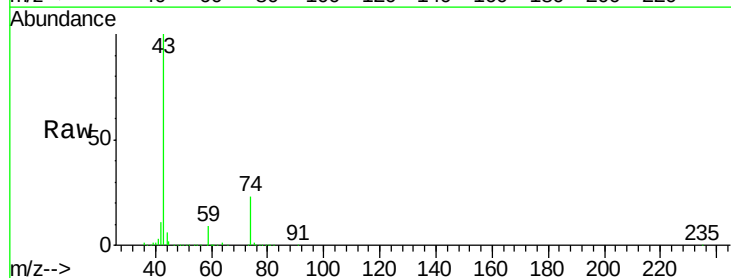
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

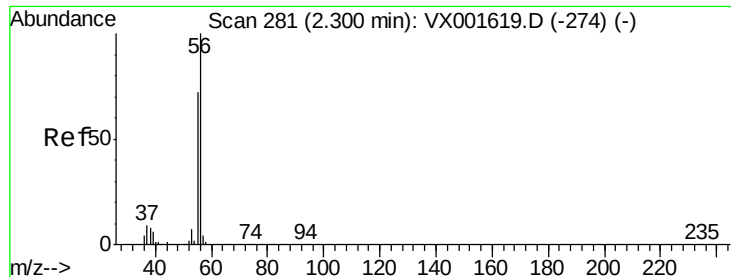
Tgt Ion:142 Resp: 74230  
Ion Ratio Lower Upper  
142 100  
127 41.4 20.7 62.1  
141 14.9 7.4 22.3



#12  
Methyl Acetate  
Concen: 22.97 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 43 Resp: 92373  
Ion Ratio Lower Upper  
43 100  
74 22.5 18.0 27.0





#13

Acrolein

Concen: 103.90 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

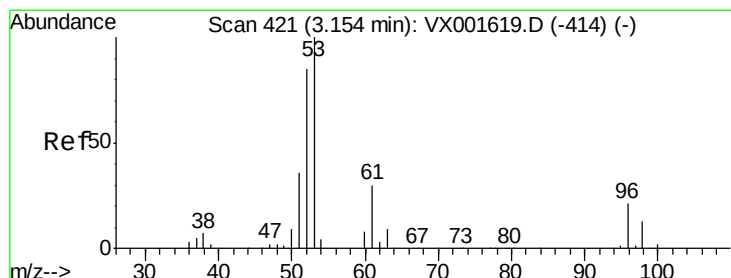
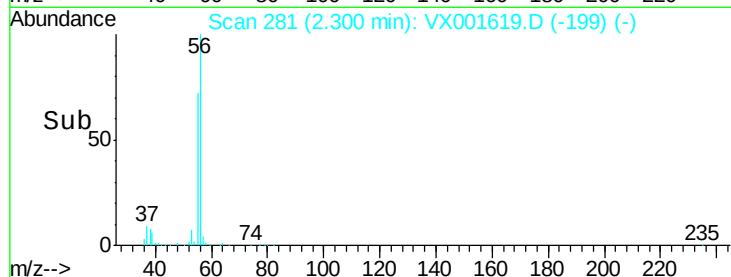
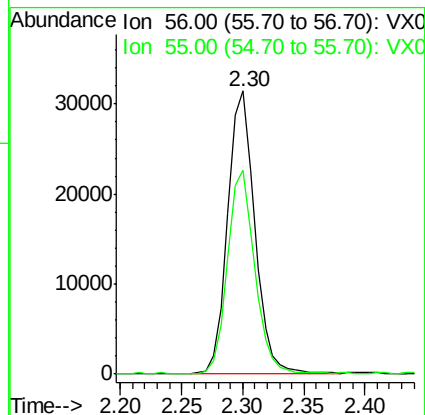
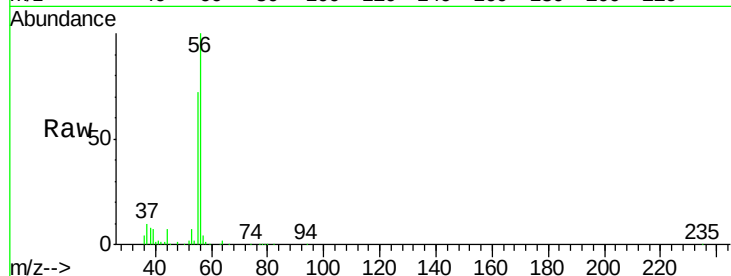
VSTDICCC020

Tgt Ion: 56 Resp: 48477

Ion Ratio Lower Upper

56 100

55 71.1 56.9 85.3



#14

Acrylonitrile

Concen: 114.57 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

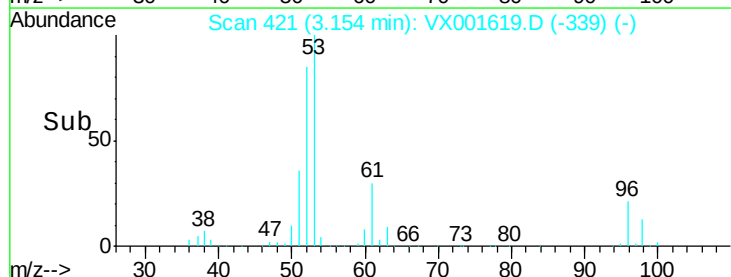
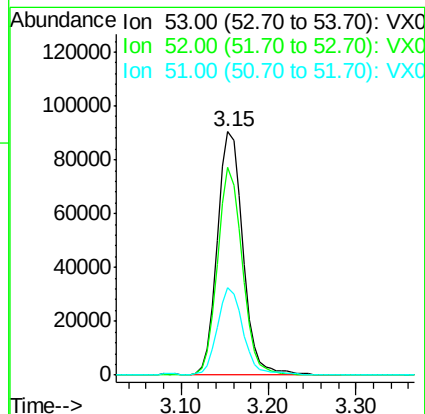
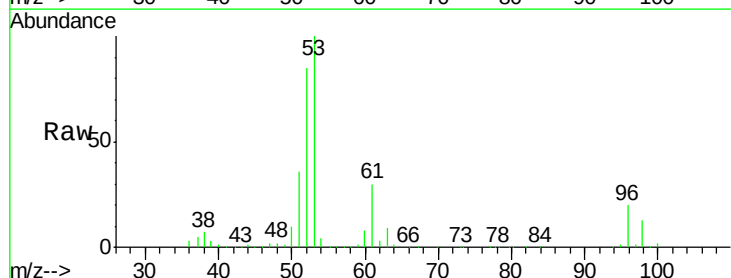
Tgt Ion: 53 Resp: 183529

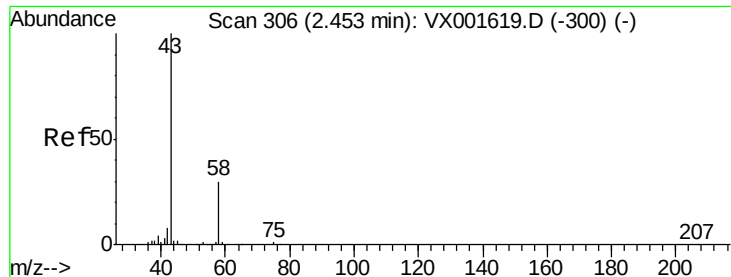
Ion Ratio Lower Upper

53 100

52 82.7 41.3 123.9

51 36.4 18.1 54.3





#15

Acetone

Concen: 102.66 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampled :

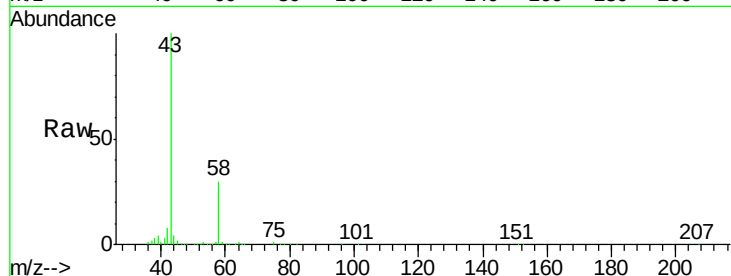
VSTDICCC020

Tgt Ion: 58 Resp: 49438

Ion Ratio Lower Upper

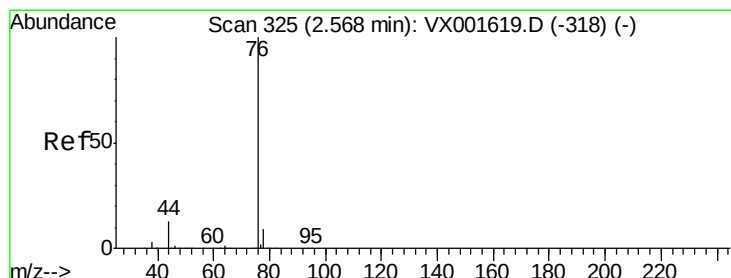
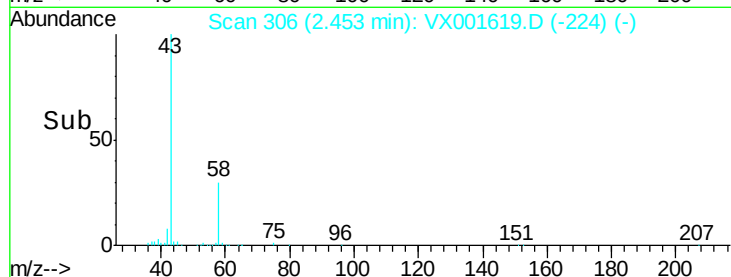
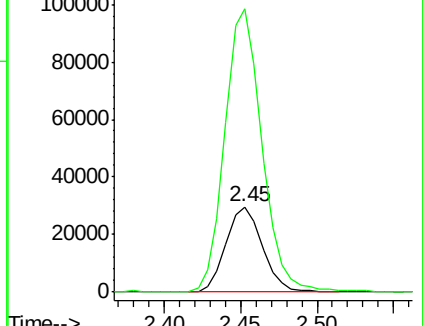
58 100

43 330.2 264.2 396.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.12 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001619.D

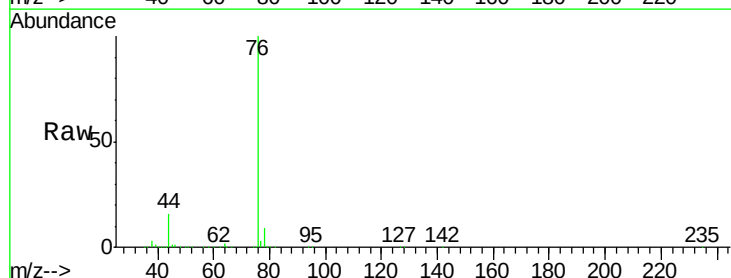
Acq: 10 May 2018 23:29

Tgt Ion: 76 Resp: 130596

Ion Ratio Lower Upper

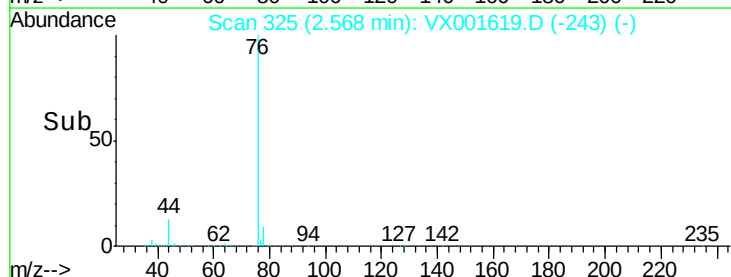
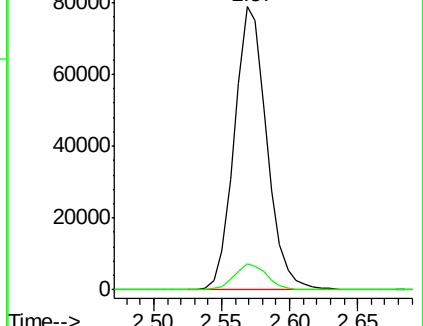
76 100

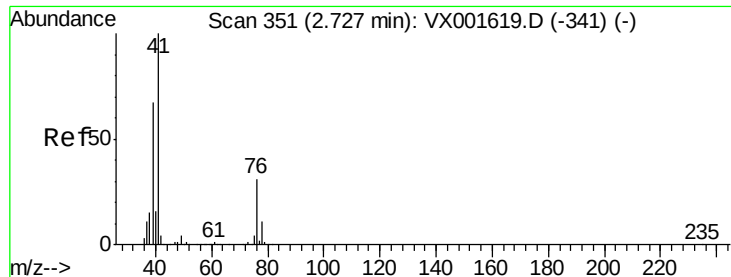
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

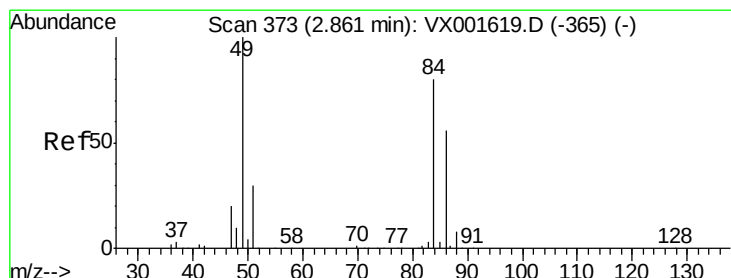
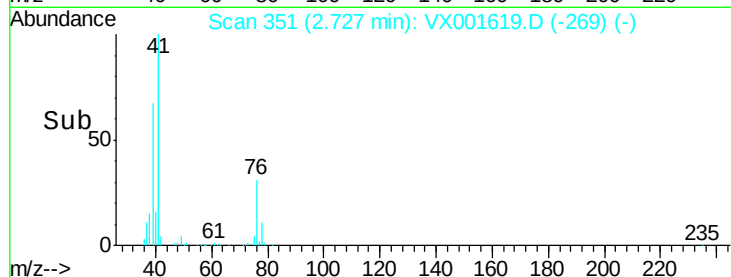
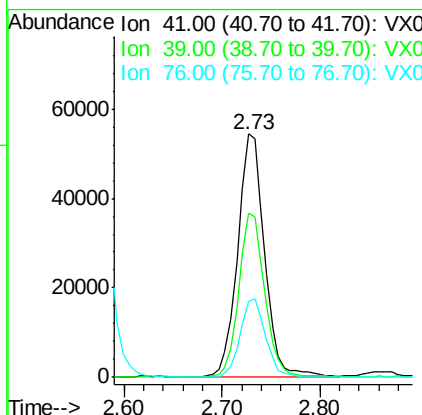
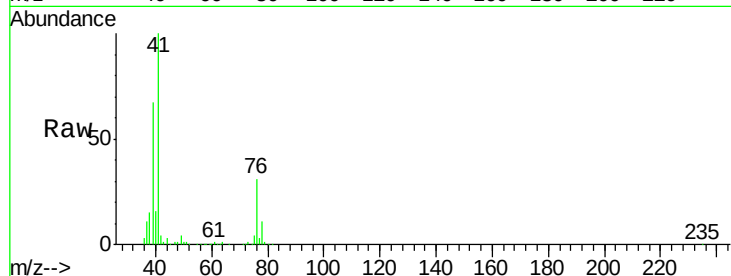




#17  
 Allyl chloride  
 Concen: 19.80 ug/l  
 RT: 2.73 min Scan# 351  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

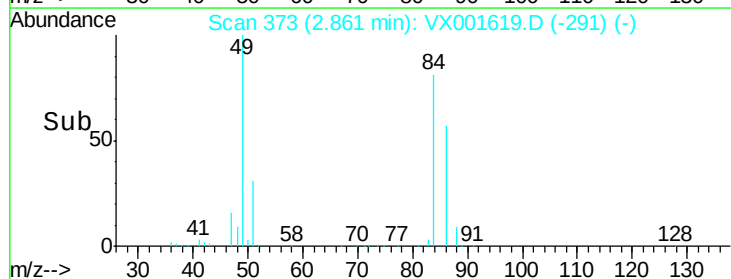
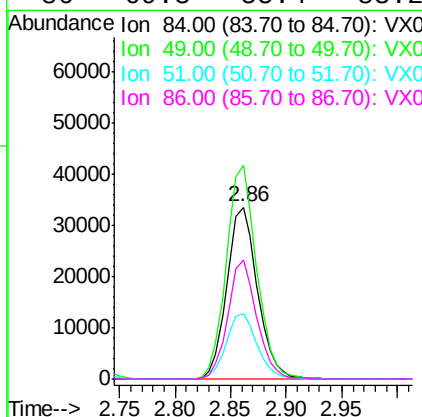
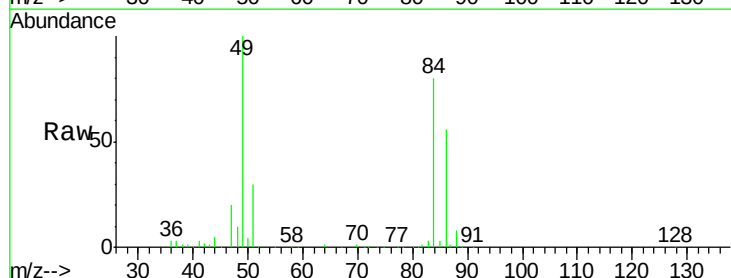
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

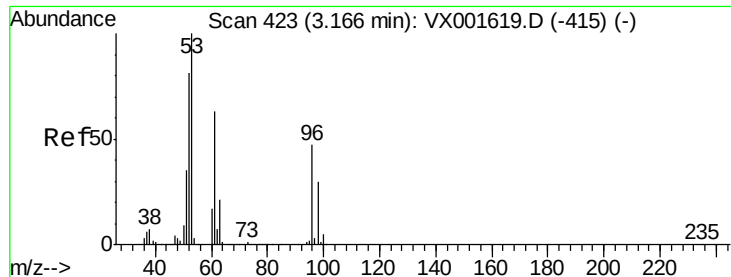
Tgt Ion: 41 Resp: 103349  
 Ion Ratio Lower Upper  
 41 100  
 39 67.4 33.7 101.1  
 76 30.9 15.4 46.4



#18  
 Methylene Chloride  
 Concen: 19.98 ug/l  
 RT: 2.86 min Scan# 373  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 84 Resp: 64059  
 Ion Ratio Lower Upper  
 84 100  
 49 124.4 99.5 149.3  
 51 37.6 30.1 45.1  
 86 69.3 55.4 83.2

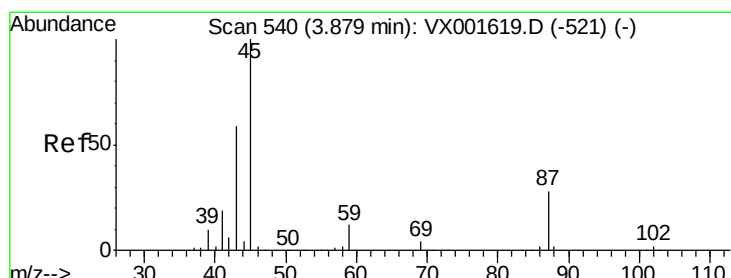
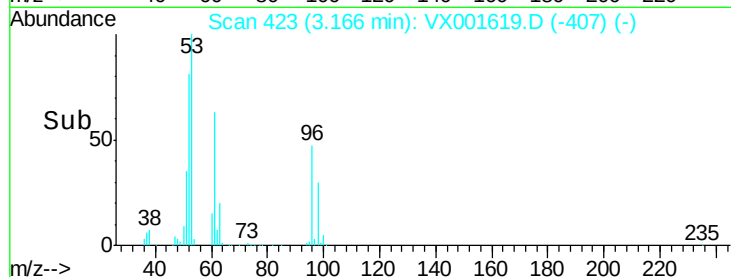
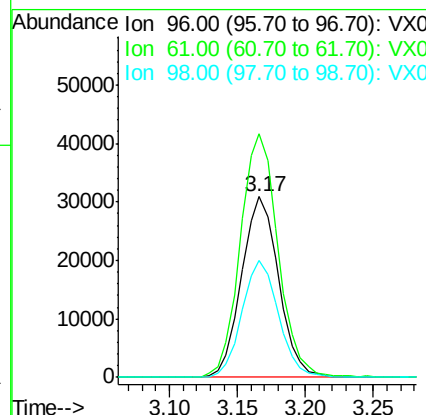
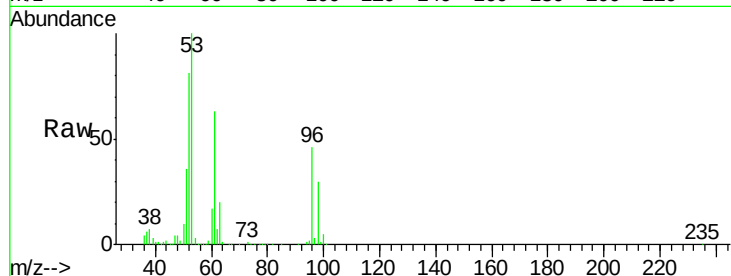




#19  
trans-1,2-Dichloroethene  
Concen: 18.79 ug/l  
RT: 3.17 min Scan# 423  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

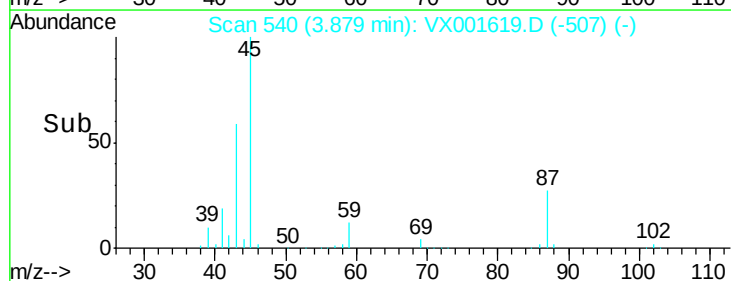
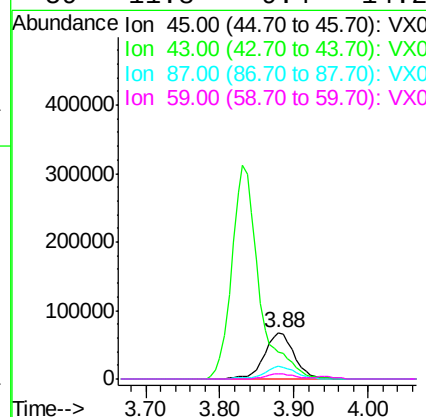
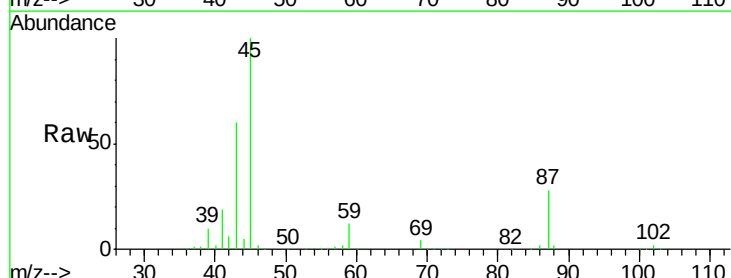
Instrument :  
MSVOA\_X  
ClientSampled :  
VSTDICCC020

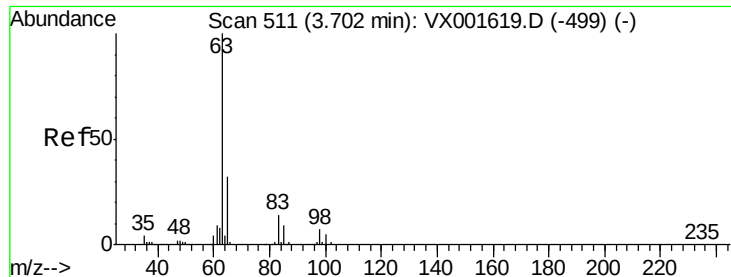
Tgt Ion: 96 Resp: 58962  
Ion Ratio Lower Upper  
96 100  
61 134.6 107.7 161.5  
98 64.5 51.6 77.4



#20  
Diisopropyl ether  
Concen: 18.54 ug/l  
RT: 3.88 min Scan# 540  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 45 Resp: 188622  
Ion Ratio Lower Upper  
45 100  
43 59.4 47.5 71.3  
87 27.8 22.2 33.4  
59 11.8 9.4 14.2

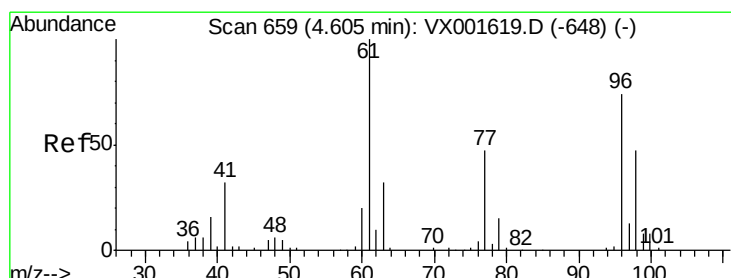
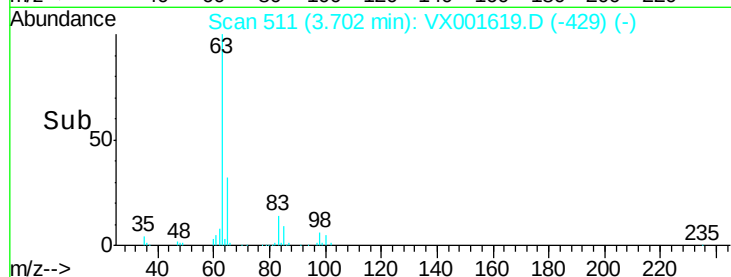
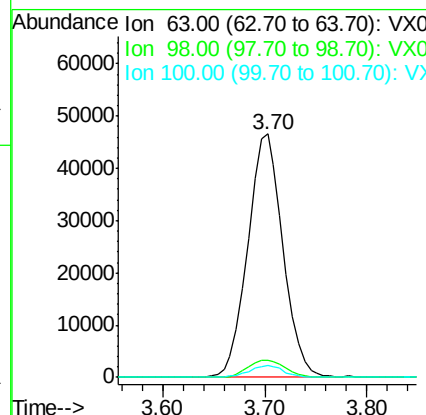
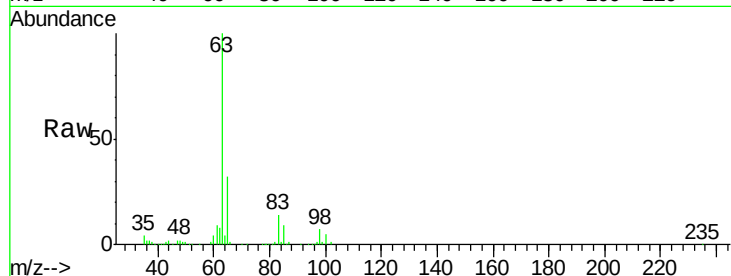




#21  
 1,1-Dichloroethane  
 Concen: 20.32 ug/l  
 RT: 3.70 min Scan# 511  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

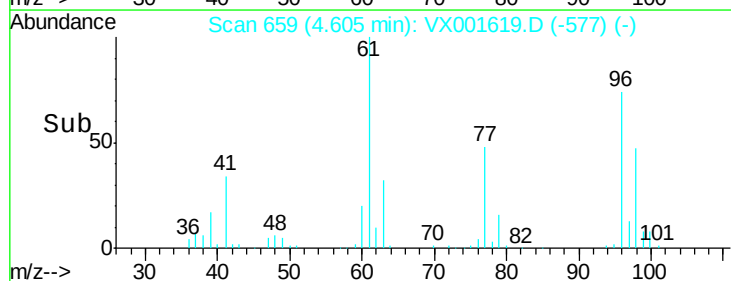
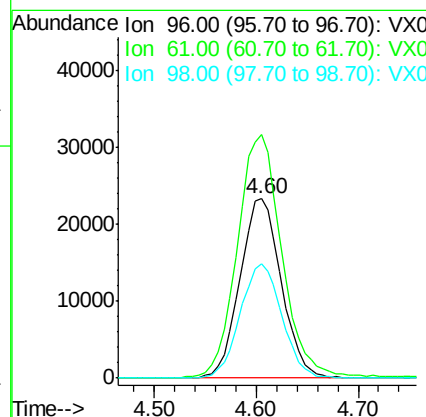
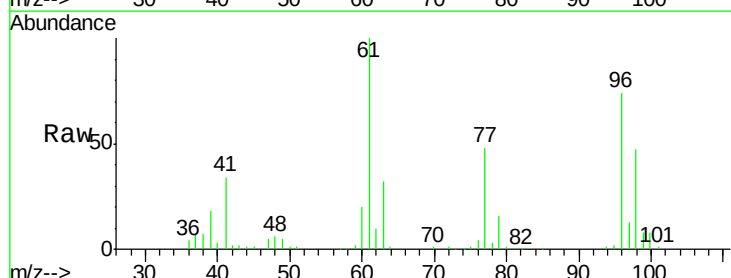
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

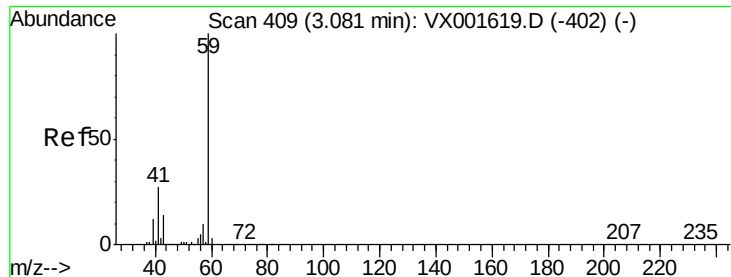
Tgt Ion: 63 Resp: 111744  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.5 10.5  
 100 4.9 2.5 7.4



#22  
 cis-1,2-Dichloroethene  
 Concen: 18.74 ug/l  
 RT: 4.60 min Scan# 659  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 96 Resp: 65421  
 Ion Ratio Lower Upper  
 96 100  
 61 146.6 117.3 175.9  
 98 64.0 51.2 76.8





#23

tert-Butyl Alcohol

Concen: 120.92 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

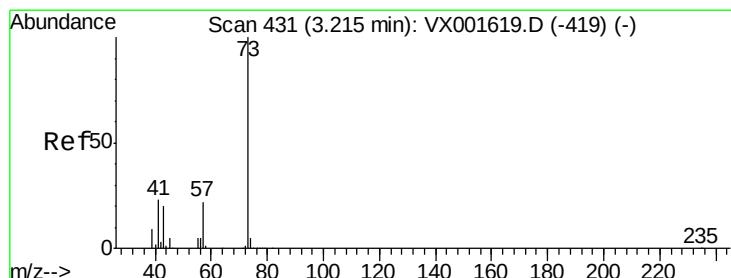
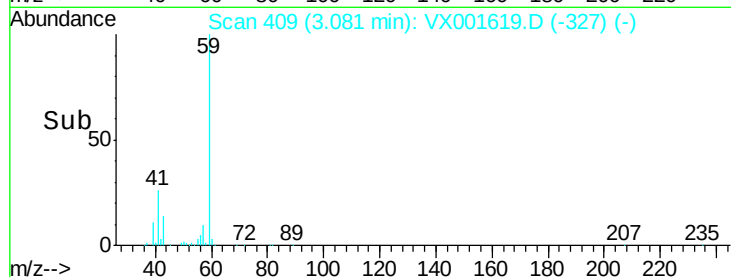
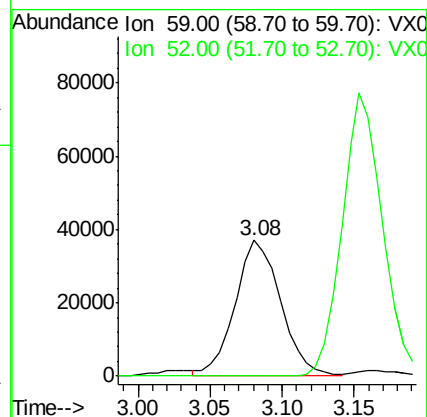
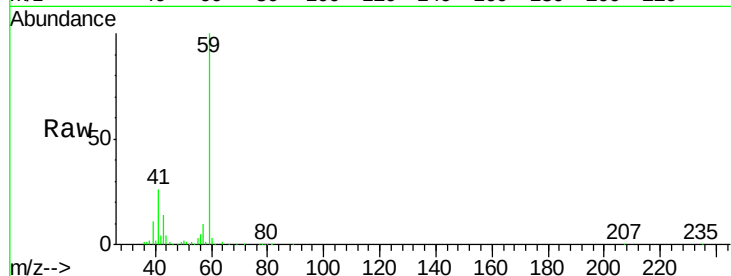
VSTDICCC020

Tgt Ion: 59 Resp: 80715

Ion Ratio Lower Upper

59 100

52 0.2 0.2 0.2



#24

Methyl tert-Butyl Ether

Concen: 19.64 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.00 min

Lab File: VX001619.D

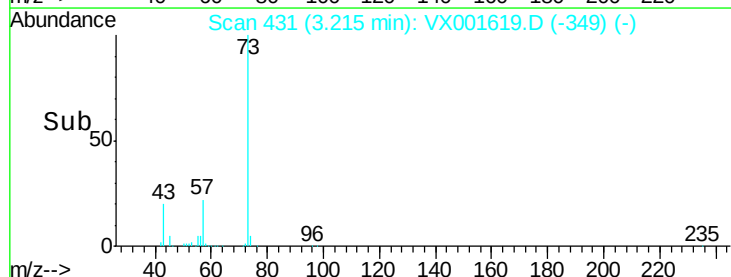
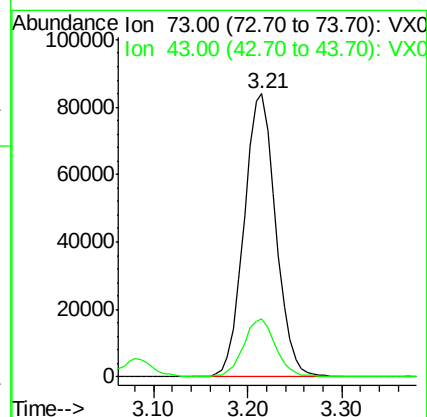
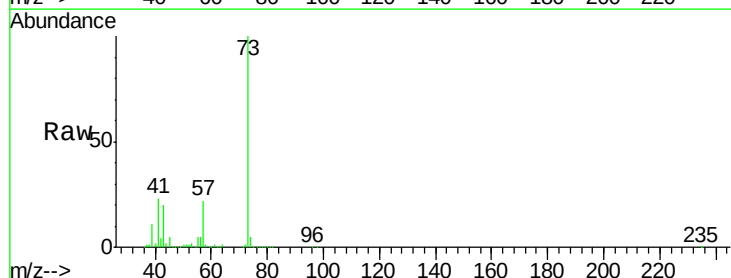
Acq: 10 May 2018 23:29

Tgt Ion: 73 Resp: 197783

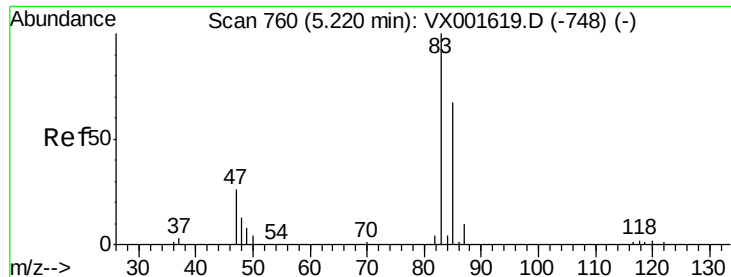
Ion Ratio Lower Upper

73 100

43 20.4 16.3 24.5



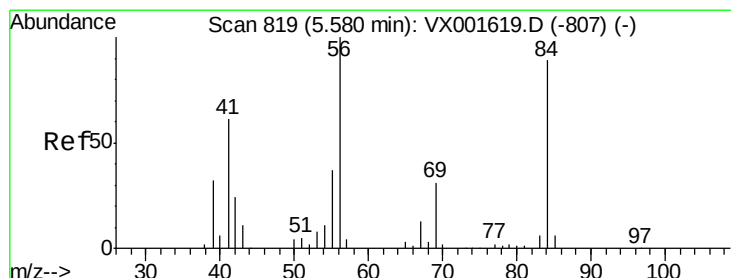
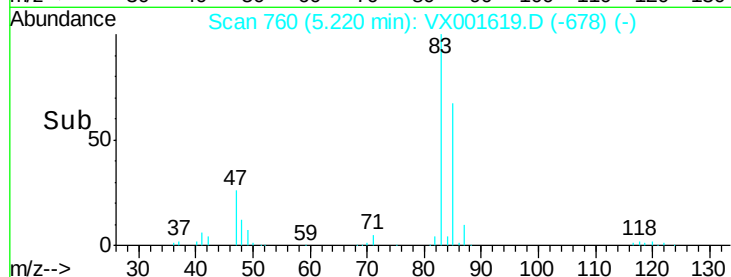
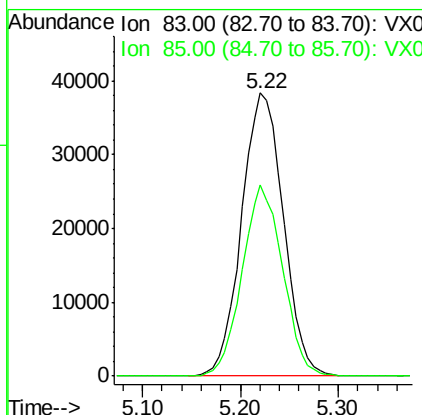
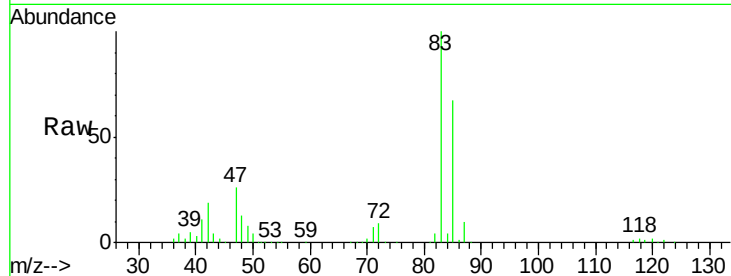




#25  
Chloroform  
Concen: 19.05 ug/l  
RT: 5.22 min Scan# 760  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

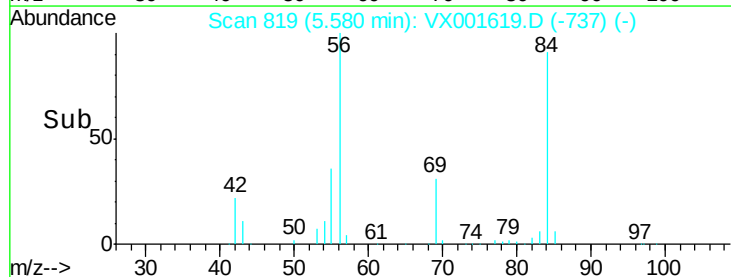
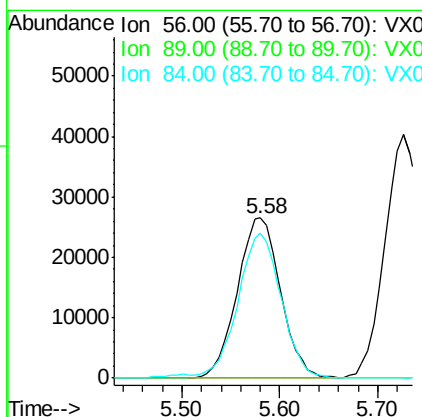
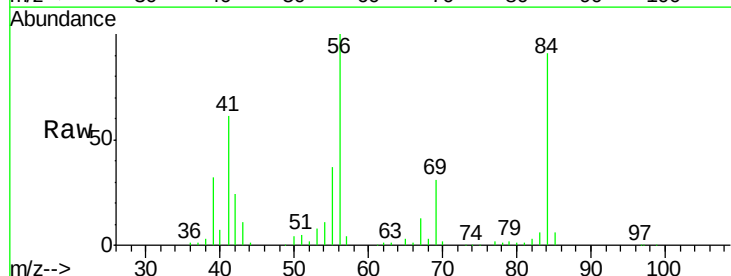
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

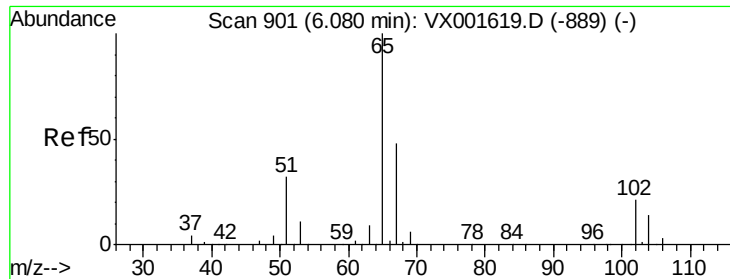
Tgt Ion: 83 Resp: 113684  
Ion Ratio Lower Upper  
83 100  
85 67.4 53.9 80.9



#26  
Cyclohexane  
Concen: 16.83 ug/l  
RT: 5.58 min Scan# 819  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 56 Resp: 81670  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 90.3 72.2 108.4

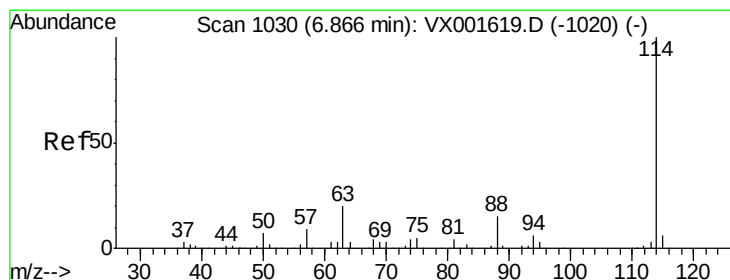
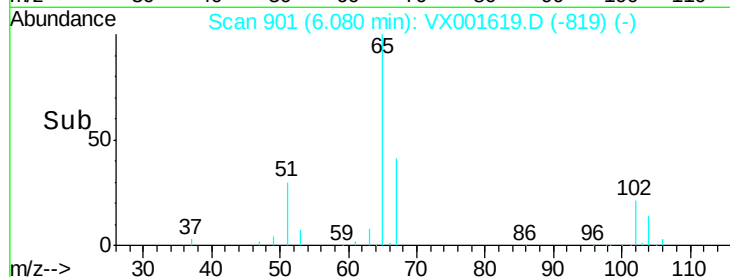
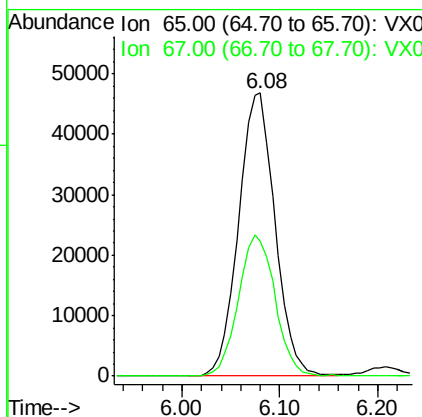
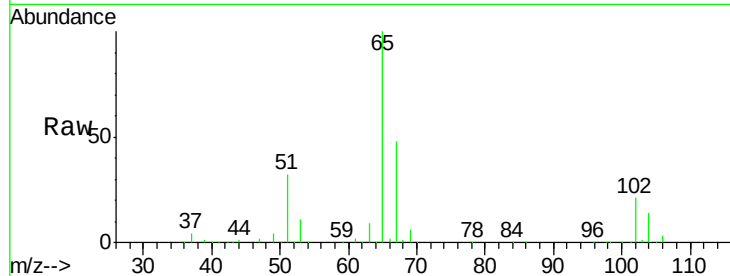




#27  
 1,2-Dichloroethane-d4  
 Concen: 30.87 ug/l  
 RT: 6.08 min Scan# 901  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

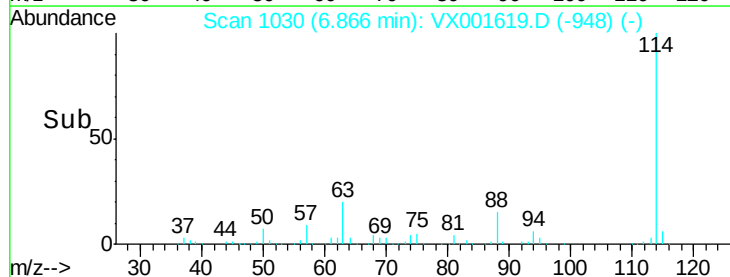
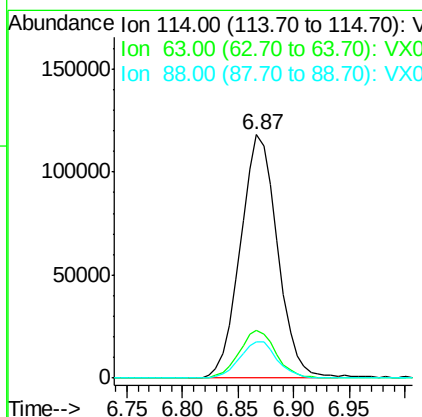
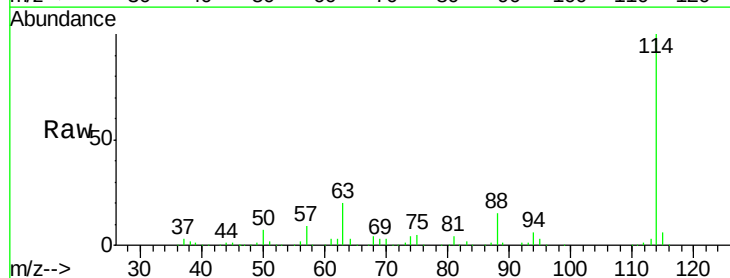
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 VSTDICCC020

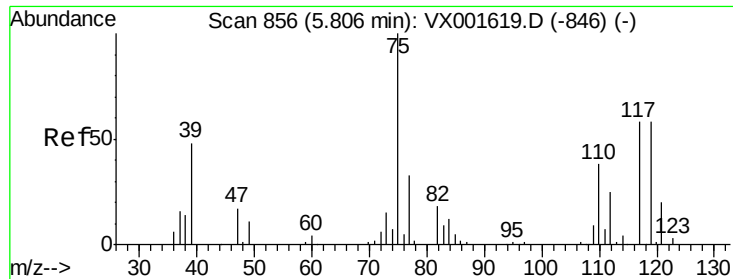
Tgt Ion: 65 Resp: 121099  
 Ion Ratio Lower Upper  
 65 100  
 67 50.2 40.2 60.2



#28  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 114 Resp: 274955  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 15.5 23.3  
 88 15.3 12.2 18.4

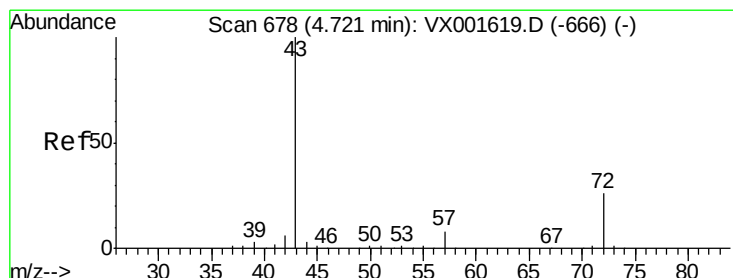
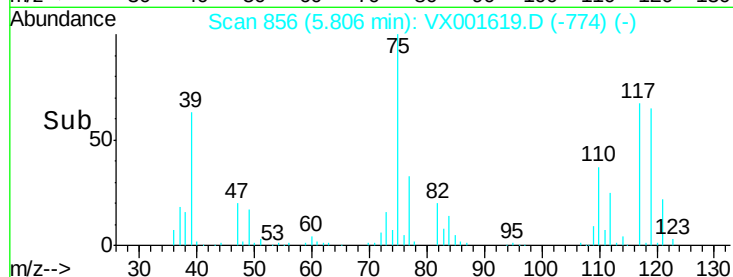
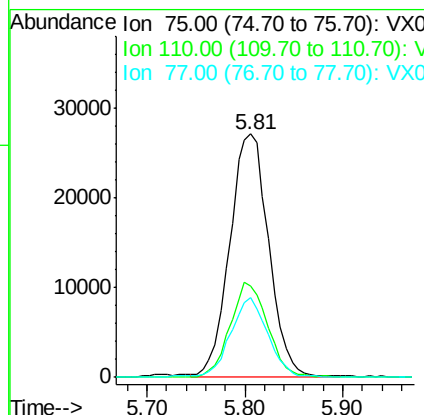
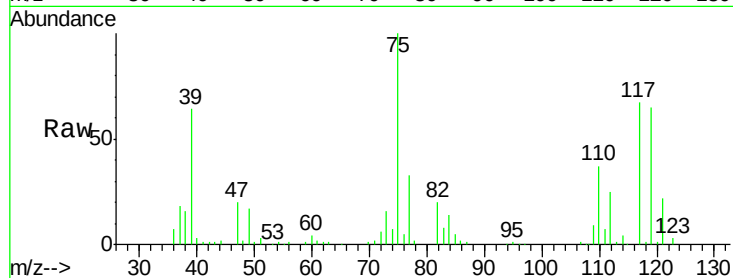




#29  
 1,1-Dichloropropene  
 Concen: 18.70 ug/l  
 RT: 5.81 min Scan# 856  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

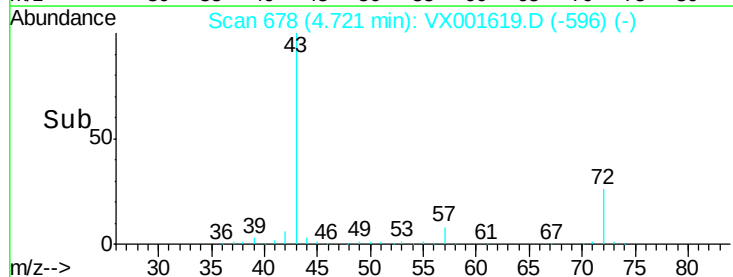
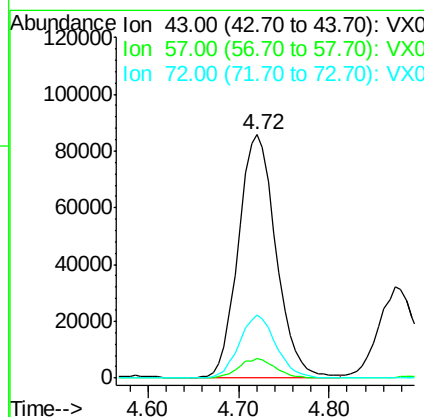
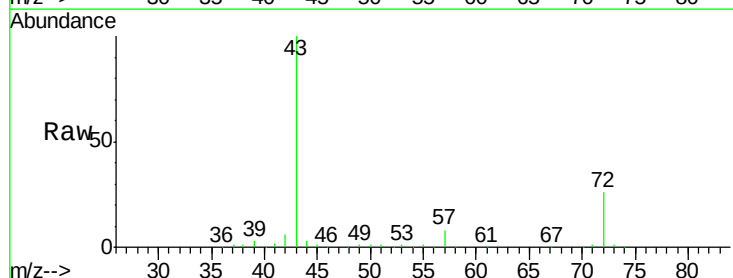
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

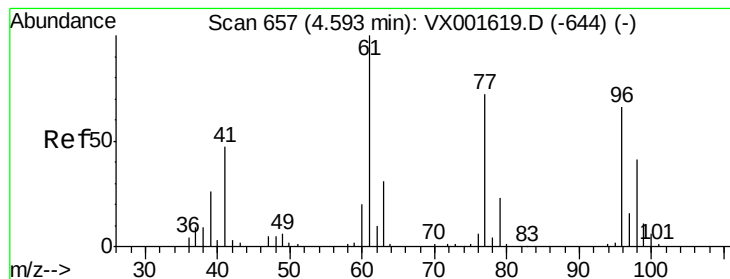
Tgt Ion: 75 Resp: 75189  
 Ion Ratio Lower Upper  
 75 100  
 110 37.3 0.0 74.6  
 77 31.2 0.0 62.4



#30  
 2-Butanone  
 Concen: 114.26 ug/l  
 RT: 4.72 min Scan# 678  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 43 Resp: 246258  
 Ion Ratio Lower Upper  
 43 100  
 57 7.9 6.3 9.5  
 72 25.3 20.2 30.4





#31

2,2-Dichloropropane

Concen: 15.32 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

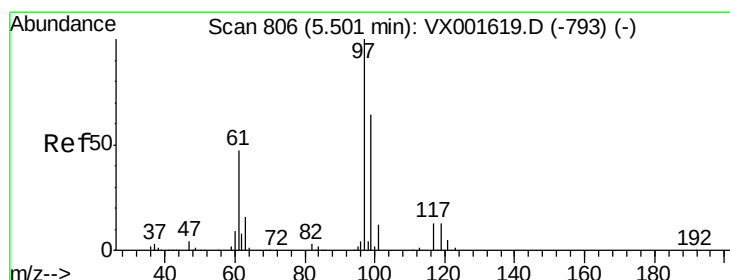
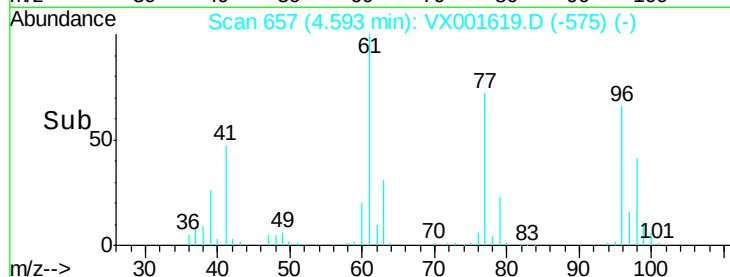
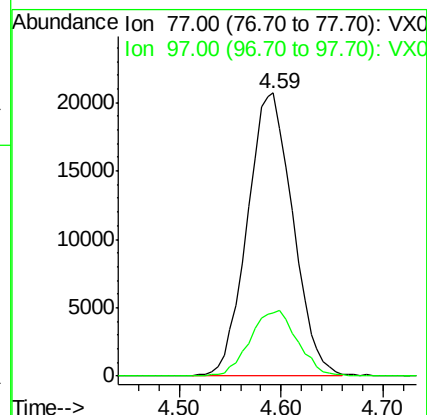
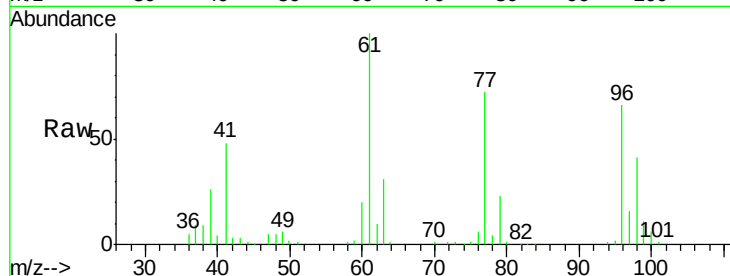
VSTDICCC020

Tgt Ion: 77 Resp: 64245

Ion Ratio Lower Upper

77 100

97 24.1 19.3 28.9



#32

1,1,1-Trichloroethane

Concen: 19.64 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

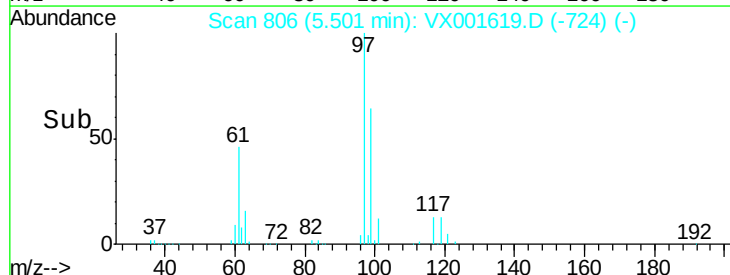
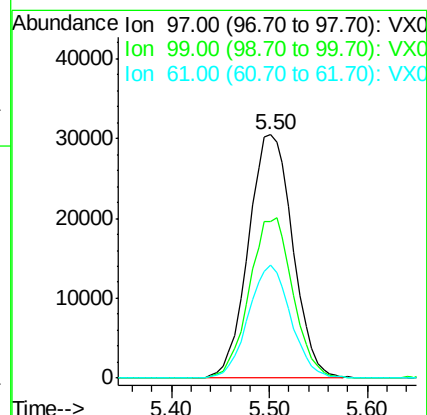
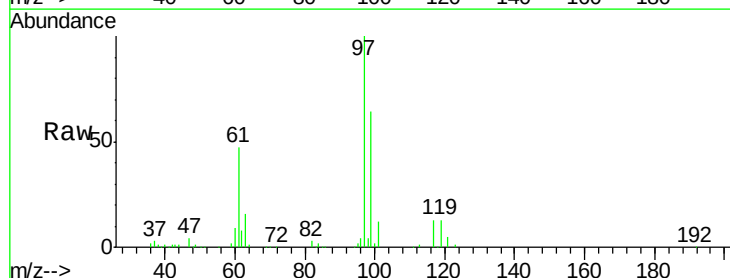
Tgt Ion: 97 Resp: 96210

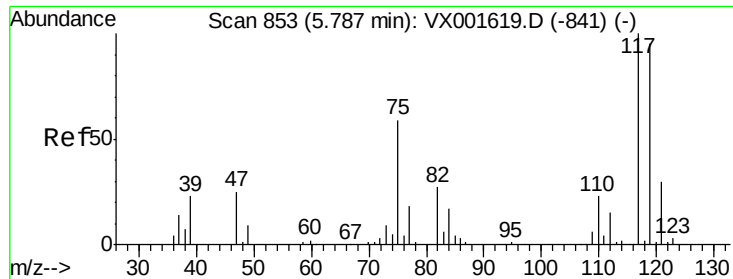
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 44.5 35.6 53.4

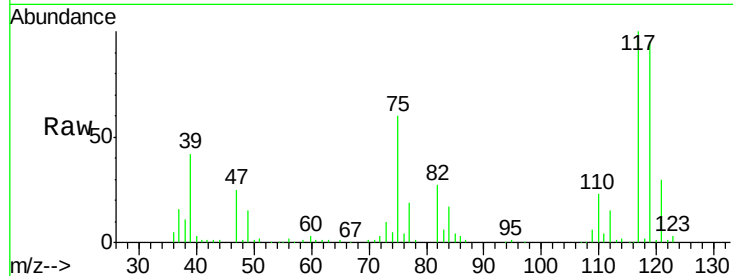




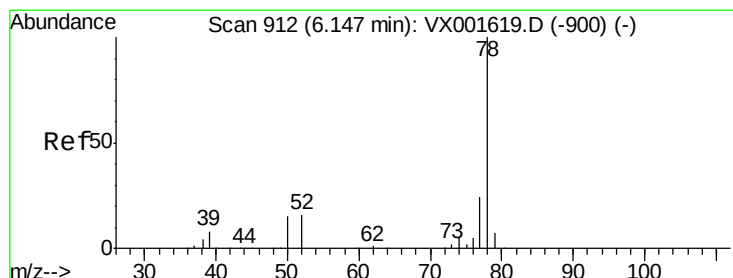
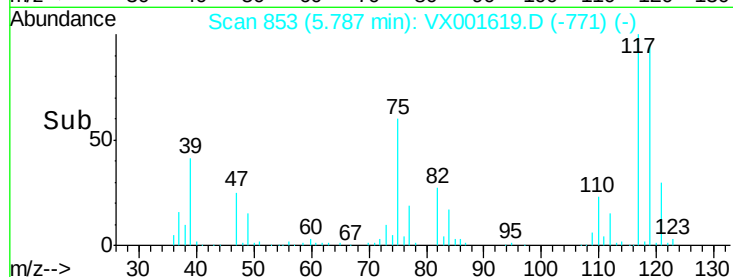
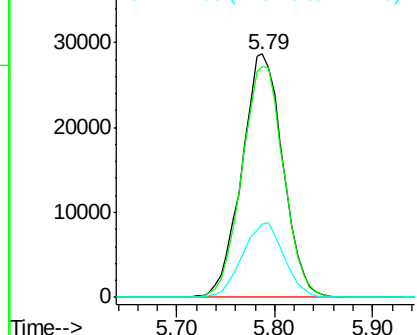
#33  
Carbon Tetrachloride  
Concen: 18.96 ug/l  
RT: 5.79 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 117 Resp: 83788  
Ion Ratio Lower Upper  
117 100  
119 94.6 75.7 113.5  
121 30.4 24.3 36.5

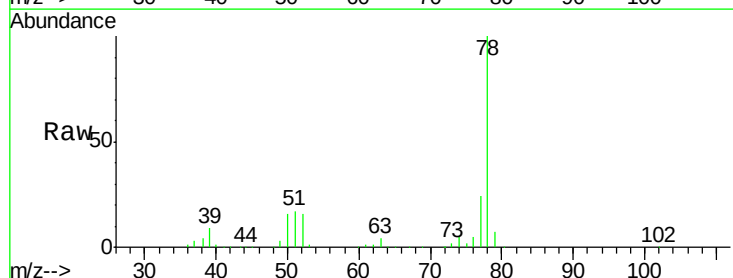


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 119.00 (118.70 to 119.70): V  
Ion 121.00 (120.70 to 121.70): V

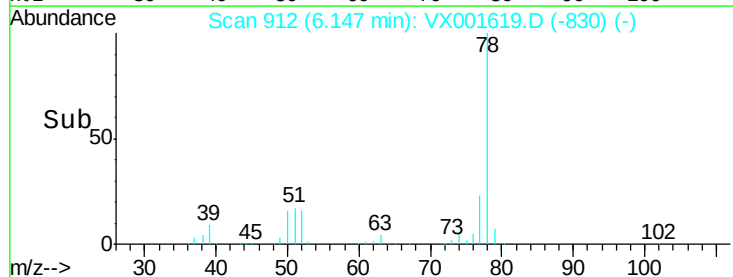
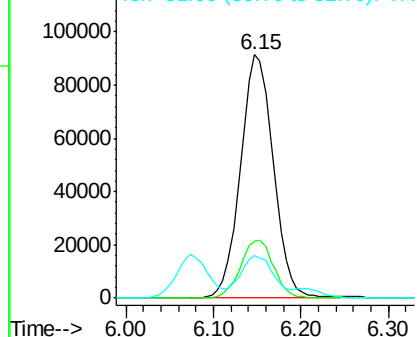


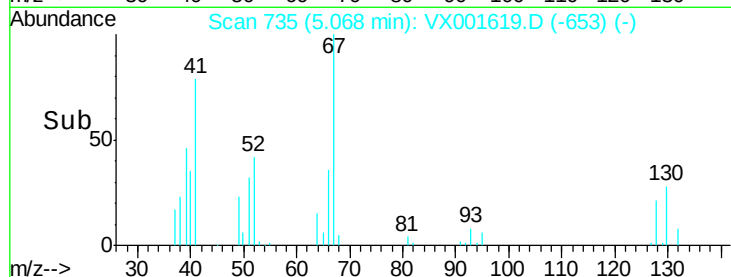
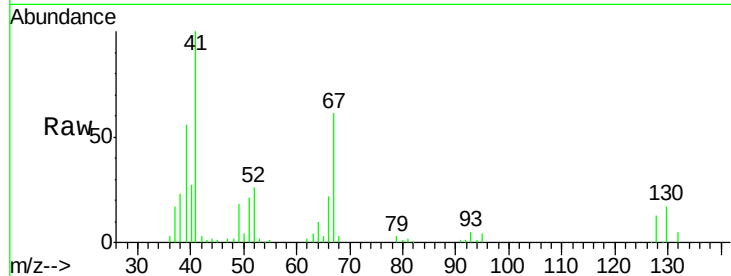
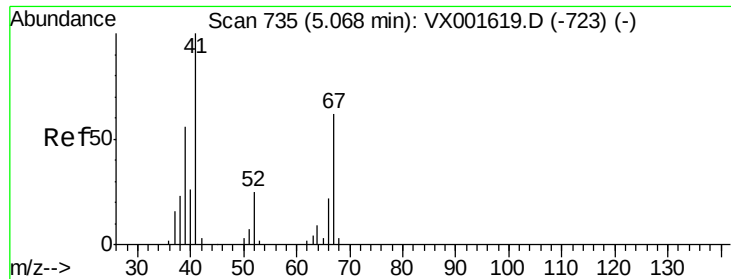
#34  
Benzene  
Concen: 19.95 ug/l  
RT: 6.15 min Scan# 912  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 78 Resp: 239692  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.8 28.2  
51 16.9 13.5 20.3



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

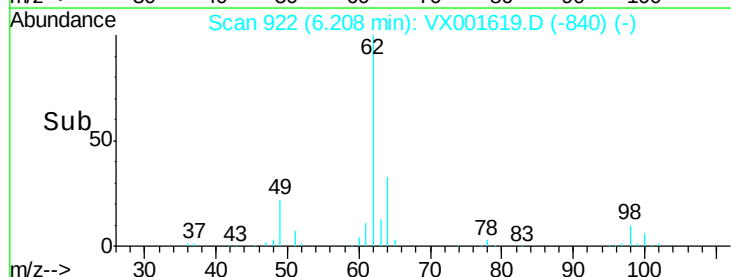
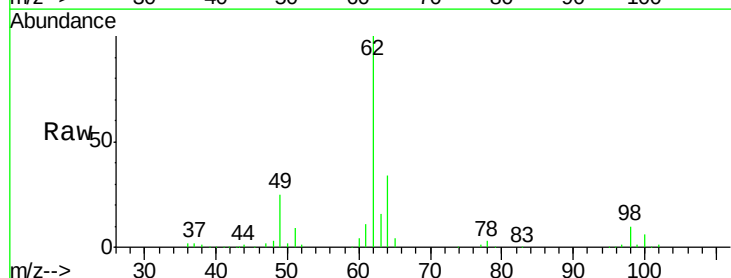
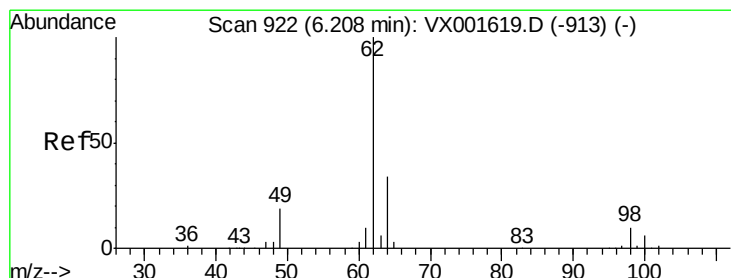
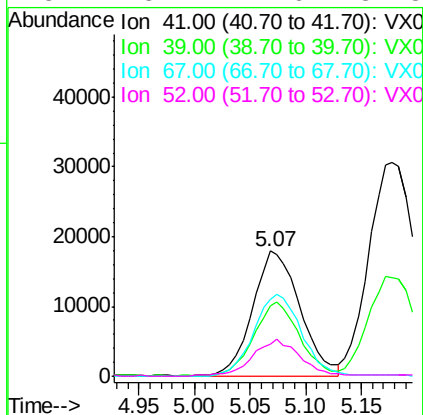




#35  
Methacrylonitrile  
Concen: 22.19 ug/l  
RT: 5.07 min Scan# 735  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

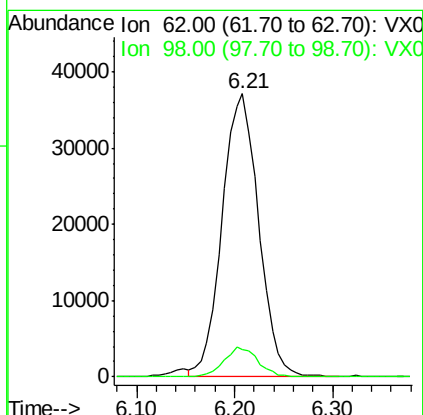
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

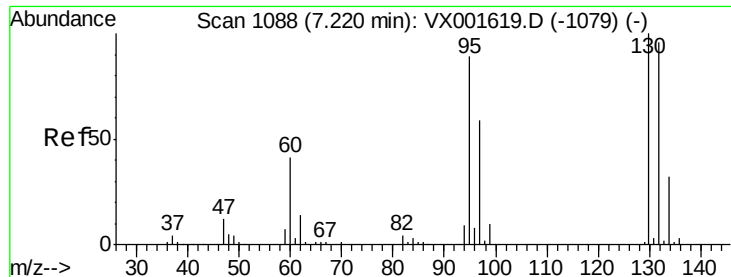
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 52894 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.7  | 27.9  | 83.6  |
| 67       | 61.7  | 30.9  | 92.5  |
| 52       | 25.2  | 12.6  | 37.8  |



#36  
1,2-Dichloroethane  
Concen: 20.60 ug/l  
RT: 6.21 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 95963 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.6   | 7.7   | 11.5  |

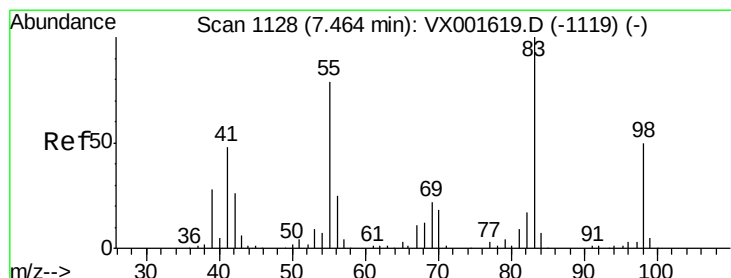
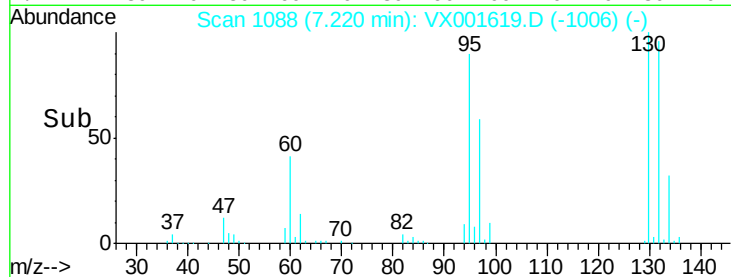
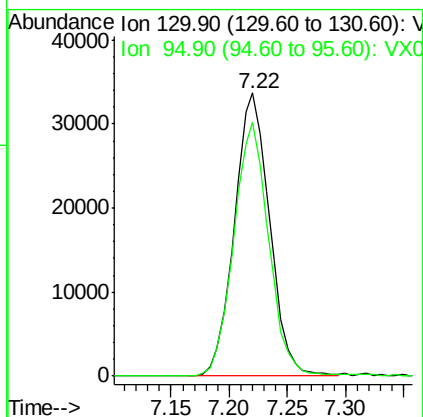
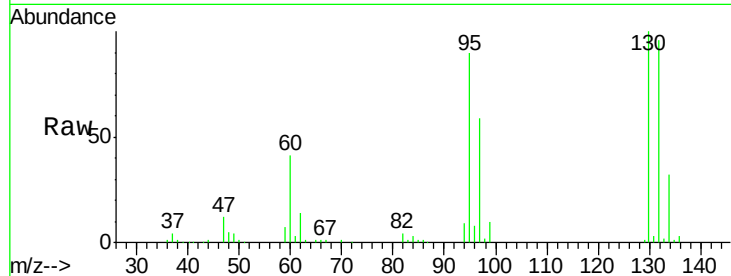




#37  
 Trichloroethene  
 Concen: 19.56 ug/l  
 RT: 7.22 min Scan# 1088  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

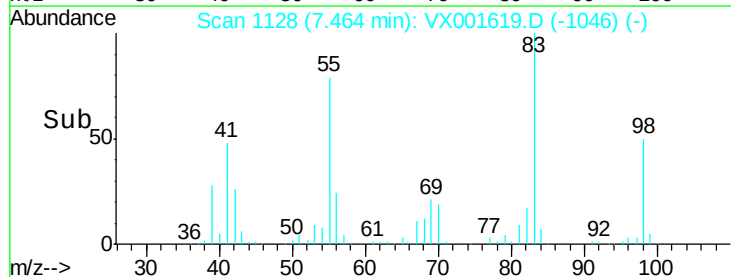
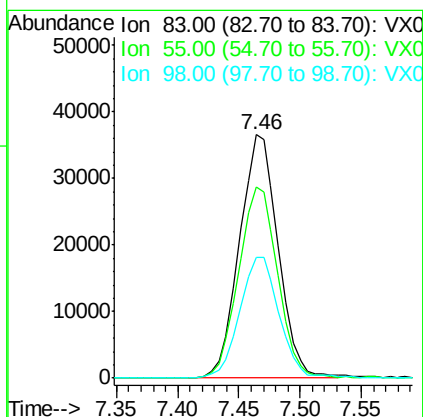
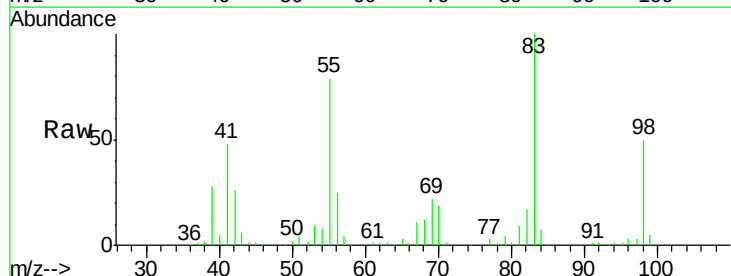
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

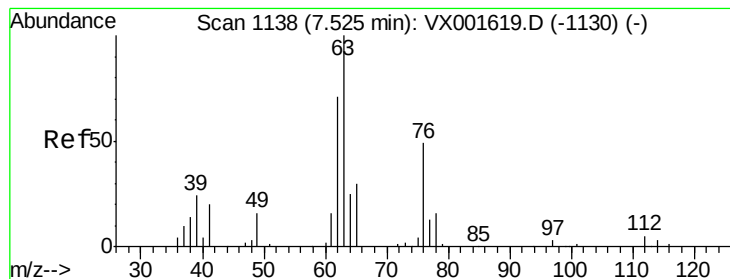
Tgt Ion:130 Resp: 71076  
 Ion Ratio Lower Upper  
 130 100  
 95 89.3 71.4 107.2



#38  
 Methylcyclohexane  
 Concen: 17.30 ug/l  
 RT: 7.46 min Scan# 1128  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 83 Resp: 80456  
 Ion Ratio Lower Upper  
 83 100  
 55 79.1 39.6 118.7  
 98 50.0 25.0 75.0

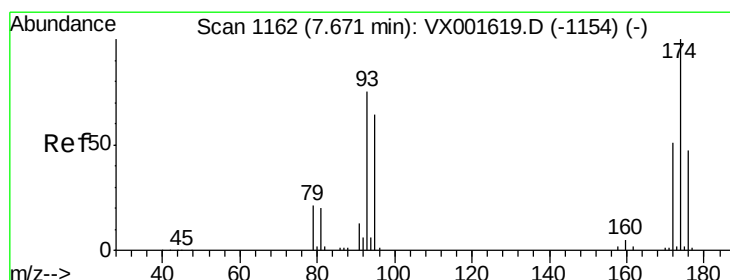
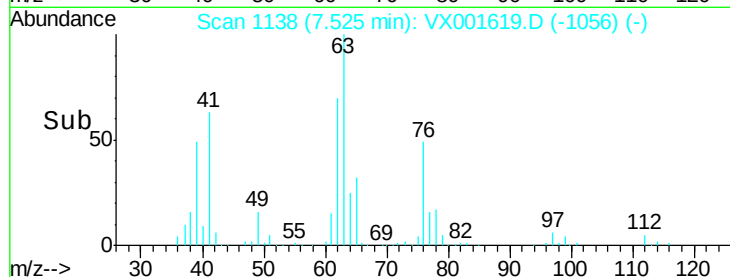
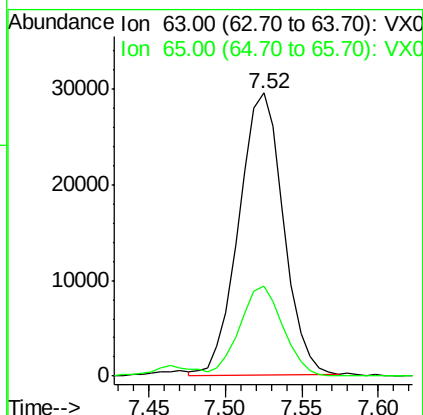
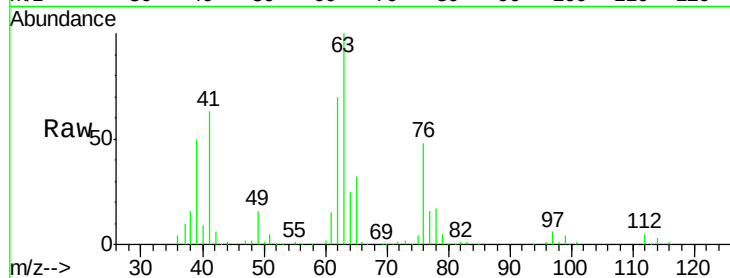




#39  
 1,2-Dichloropropane  
 Concen: 19.55 ug/l  
 RT: 7.52 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

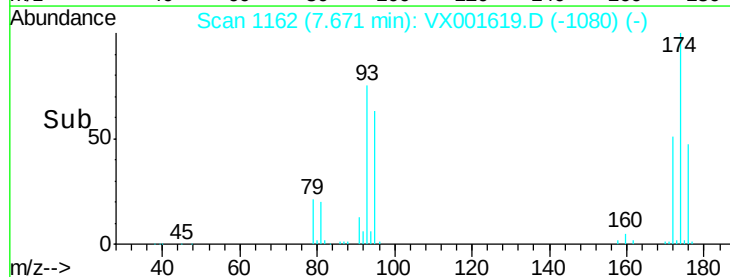
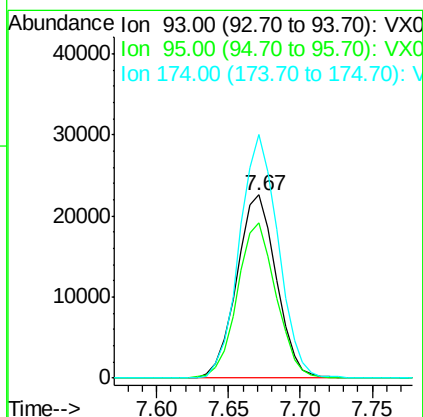
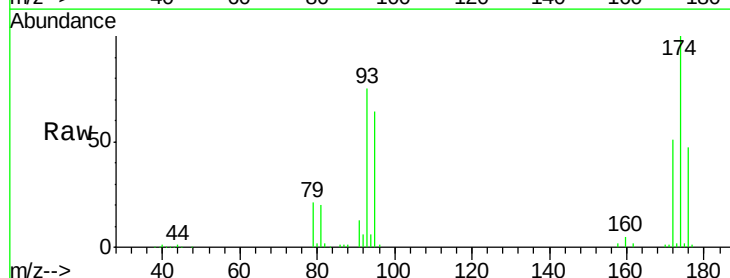
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion: 63 Resp: 59528  
 Ion Ratio Lower Upper  
 63 100  
 65 31.6 25.3 37.9

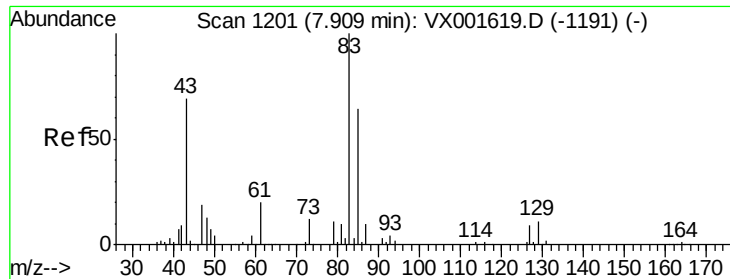


#40  
 Dibromomethane  
 Concen: 20.06 ug/l  
 RT: 7.67 min Scan# 1162  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 93 Resp: 43137  
 Ion Ratio Lower Upper  
 93 100  
 95 83.1 0.0 166.2  
 174 129.6 0.0 259.2







#41

Bromodichloromethane

Concen: 19.54 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

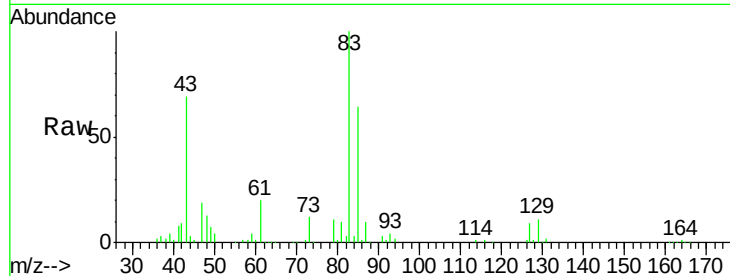
Tgt Ion: 83 Resp: 79312

Ion Ratio Lower Upper

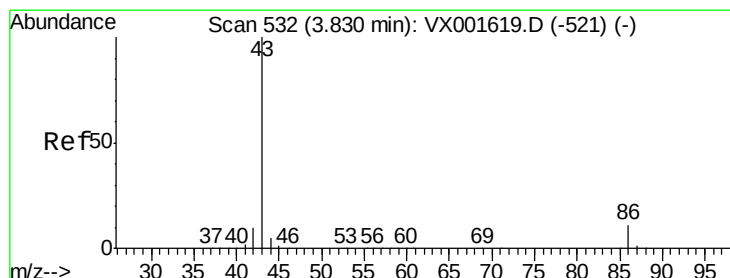
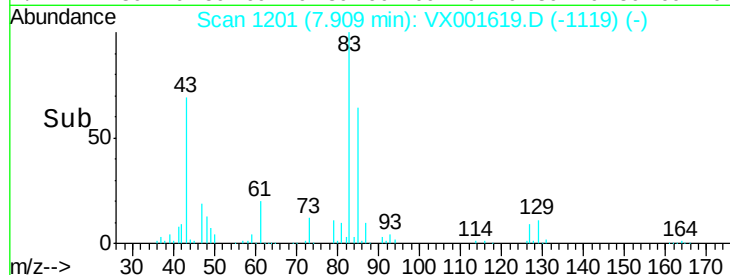
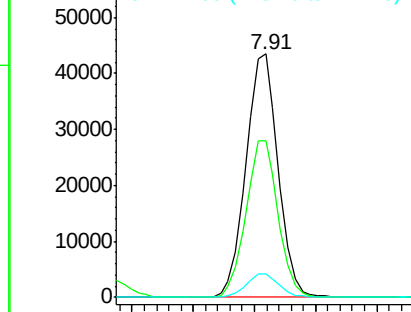
83 100

85 64.1 51.3 76.9

127 9.4 7.5 11.3



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: 98.29 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001619.D

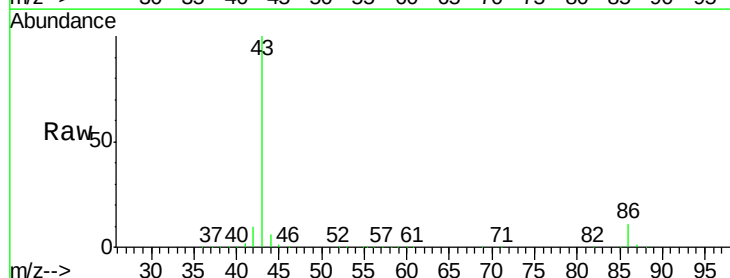
Acq: 10 May 2018 23:29

Tgt Ion: 43 Resp: 801568

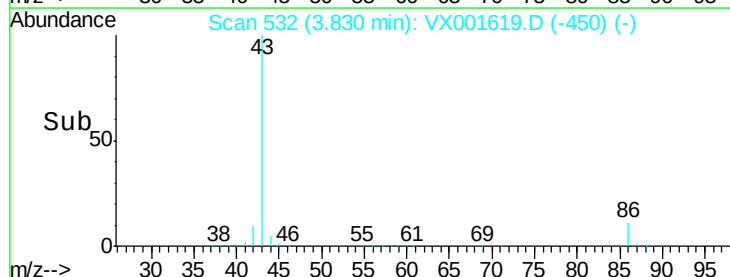
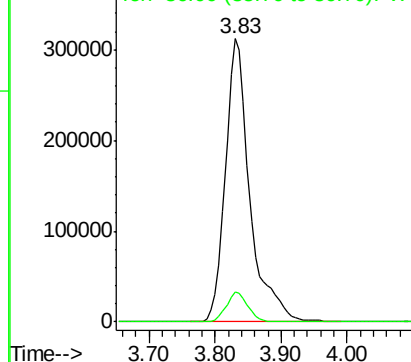
Ion Ratio Lower Upper

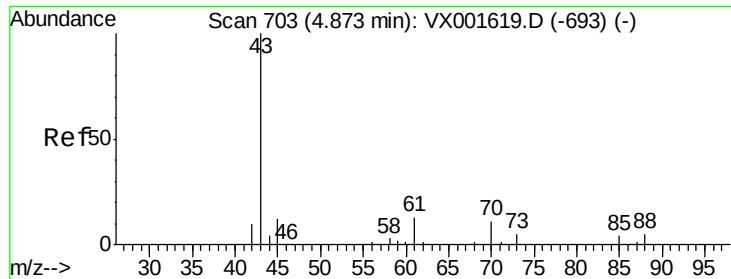
43 100

86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 86.00 (85.70 to 86.70): VX0

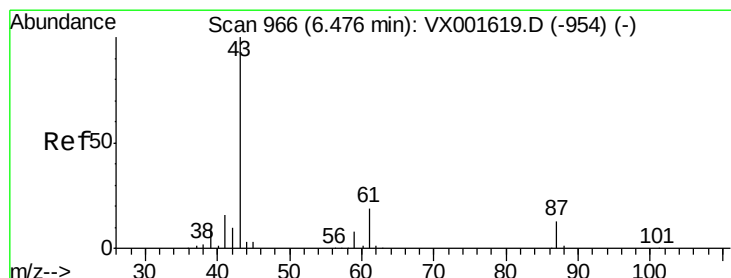
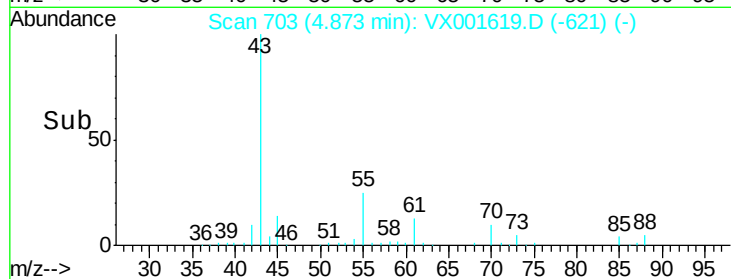
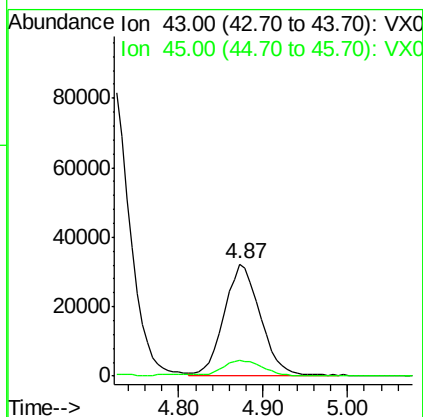
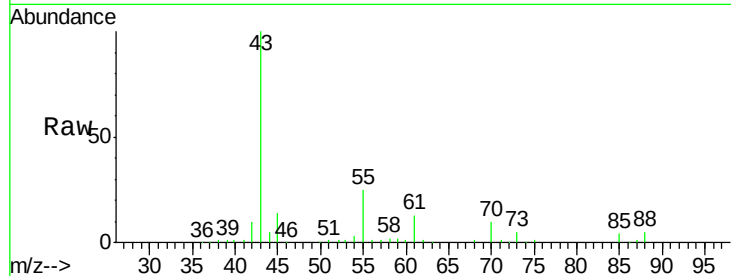




#43  
Ethyl Acetate  
Concen: 22.41 ug/l  
RT: 4.87 min Scan# 703  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

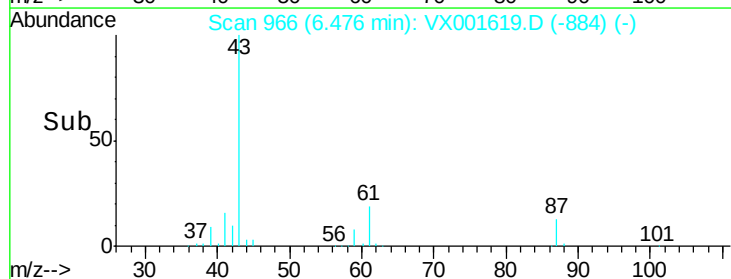
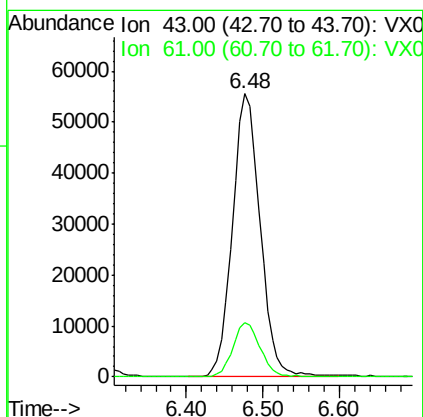
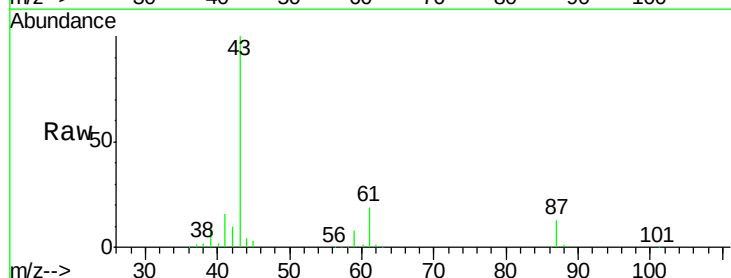
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

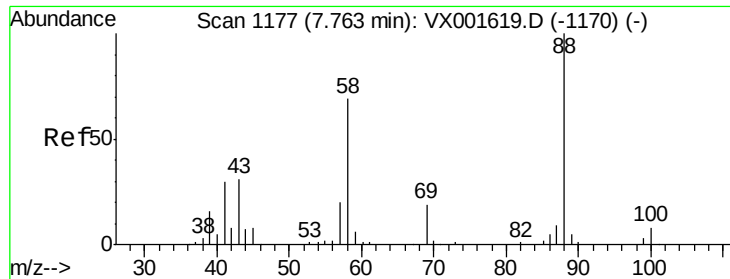
Tgt Ion: 43 Resp: 93356  
Ion Ratio Lower Upper  
43 100  
45 15.9 12.7 19.1



#44  
Isopropyl Acetate  
Concen: 20.08 ug/l  
RT: 6.48 min Scan# 966  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 43 Resp: 138519  
Ion Ratio Lower Upper  
43 100  
61 18.9 15.1 22.7

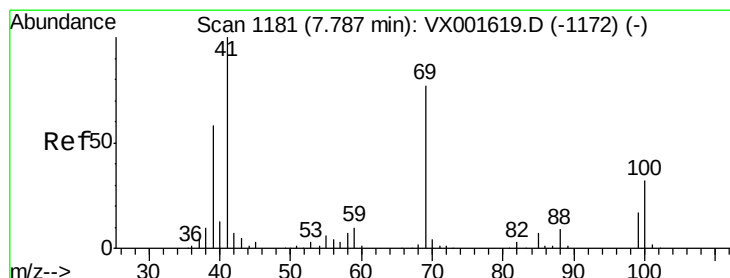
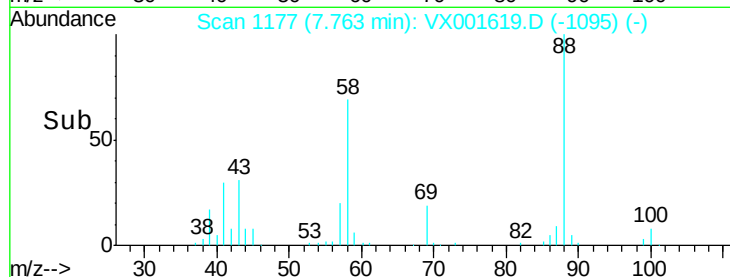
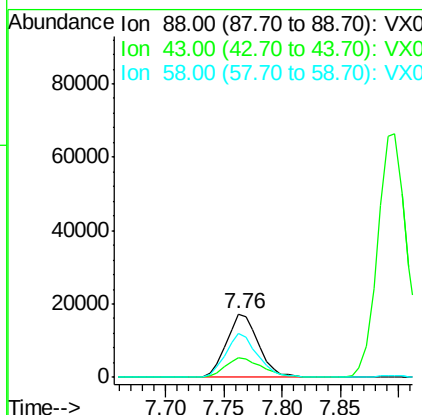
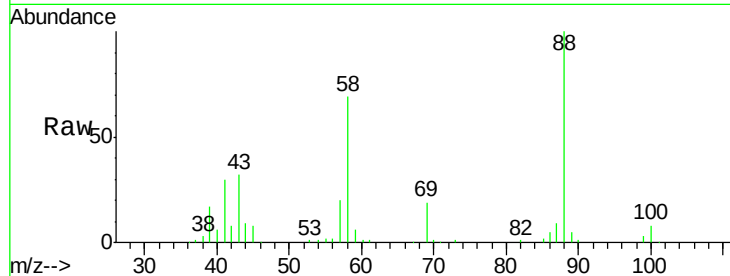




#45  
1,4-Dioxane  
Concen: 492.27 ug/l  
RT: 7.76 min Scan# 1177  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

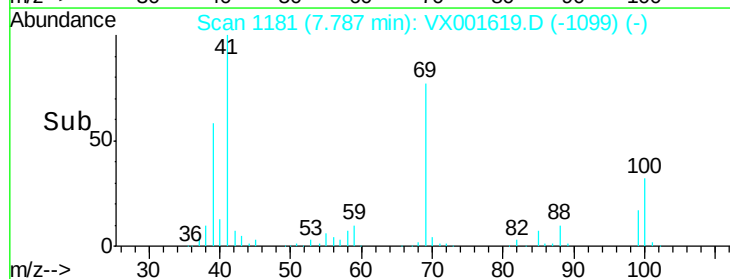
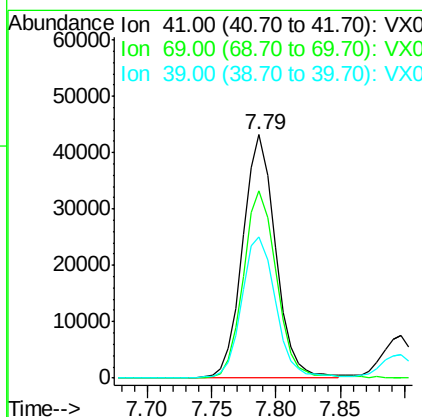
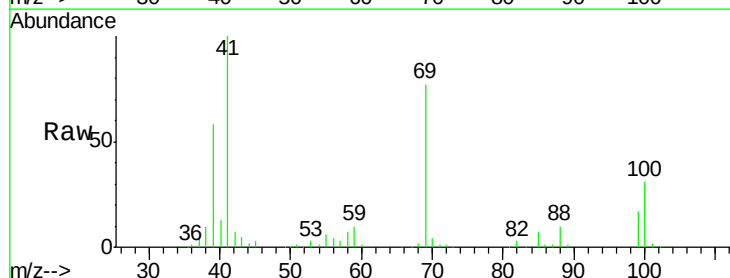
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

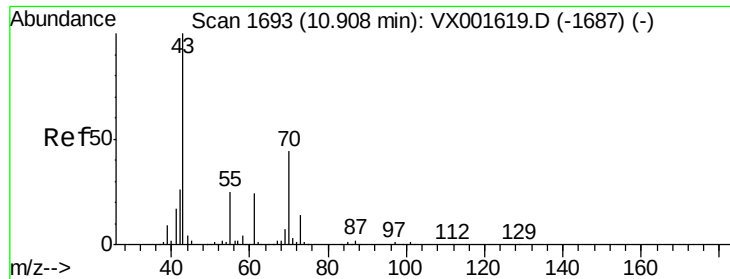
Tgt Ion: 88 Resp: 33030  
Ion Ratio Lower Upper  
88 100  
43 34.9 27.9 41.9  
58 69.1 55.3 82.9



#46  
Methyl methacrylate  
Concen: 20.96 ug/l  
RT: 7.79 min Scan# 1181  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 41 Resp: 75934  
Ion Ratio Lower Upper  
41 100  
69 76.8 38.4 115.2  
39 58.1 29.0 87.1





#47

n-amyI Acetate

Concen: 18.15 ug/l

RT: 10.91 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

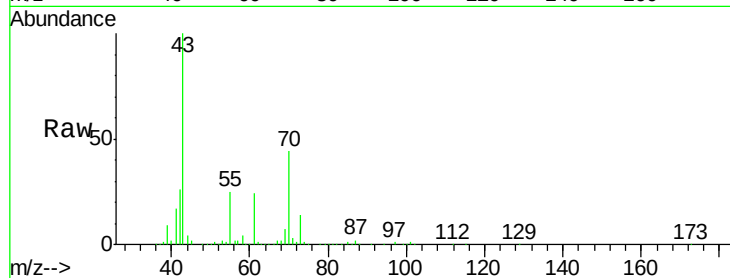
VSTDICCC020

Tgt Ion: 43 Resp: 118096

Ion Ratio Lower Upper

43 100

55 26.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.91

80000

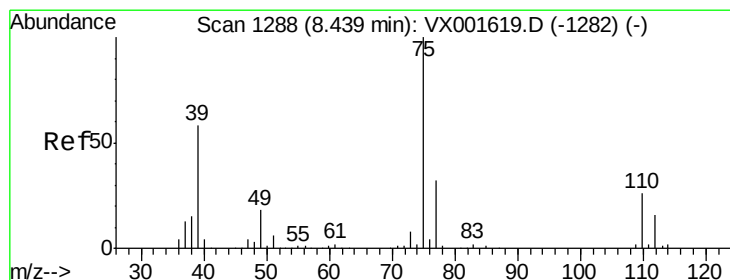
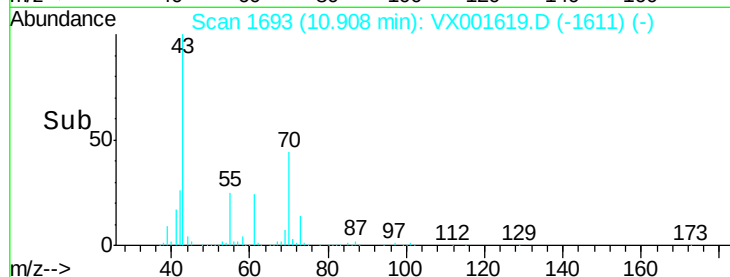
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.27 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001619.D

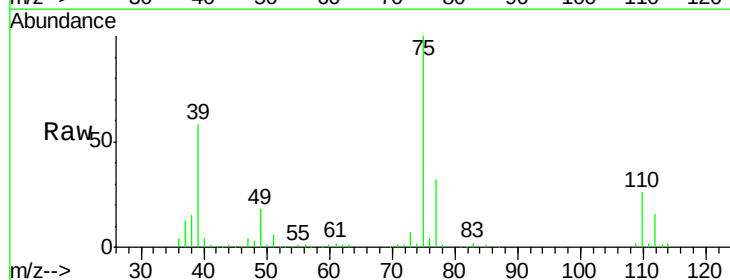
Acq: 10 May 2018 23:29

Tgt Ion: 75 Resp: 86358

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

8.44

60000

50000

40000

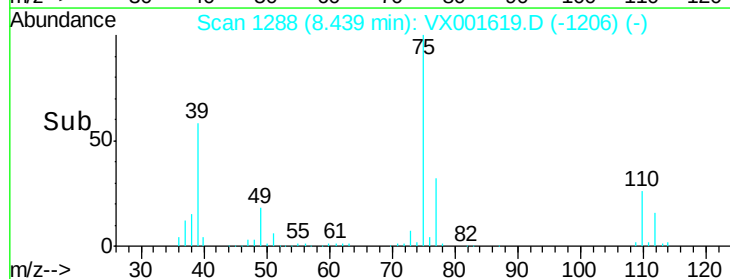
30000

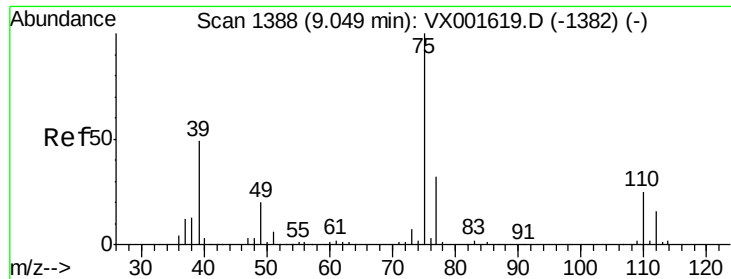
20000

10000

0

Time-->

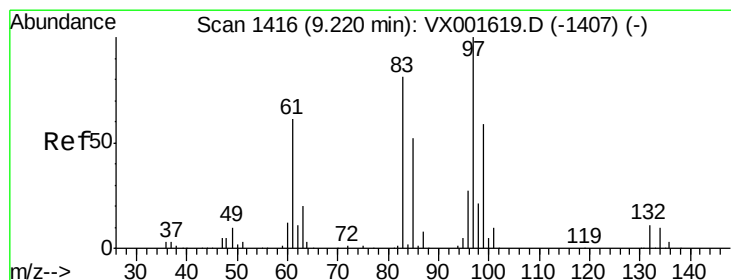
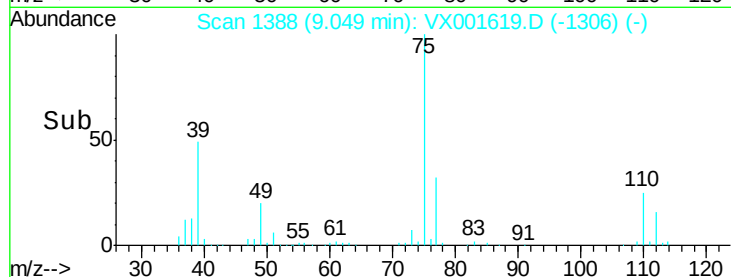
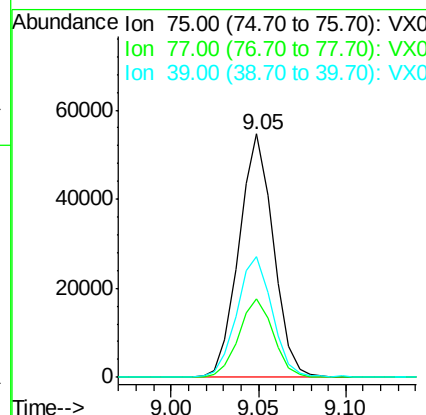
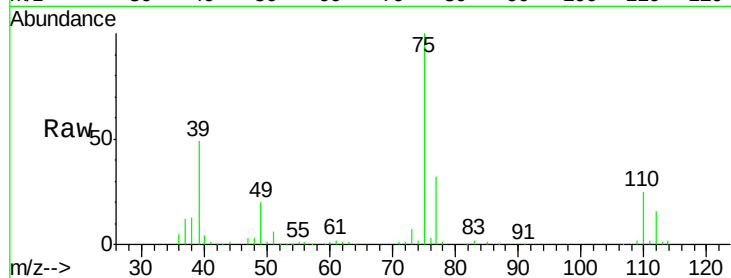




#49  
 cis-1,3-Dichloropropene  
 Concen: 16.82 ug/l  
 RT: 9.05 min Scan# 1388  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

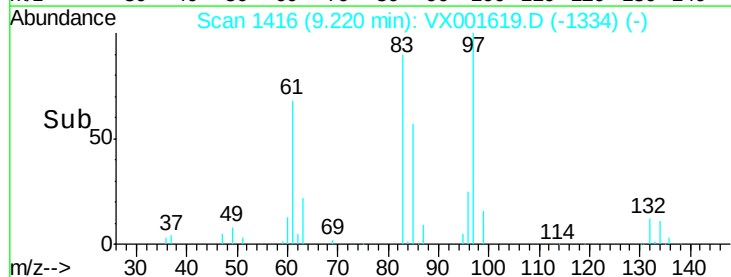
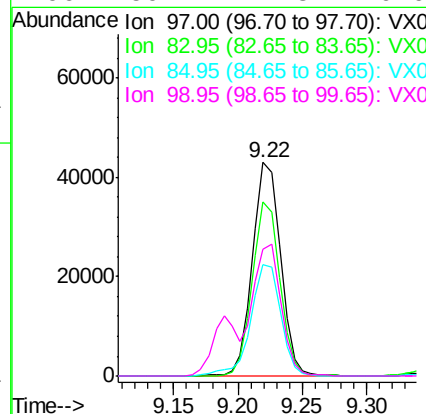
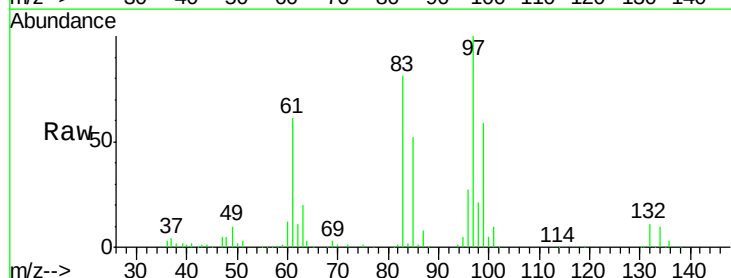
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

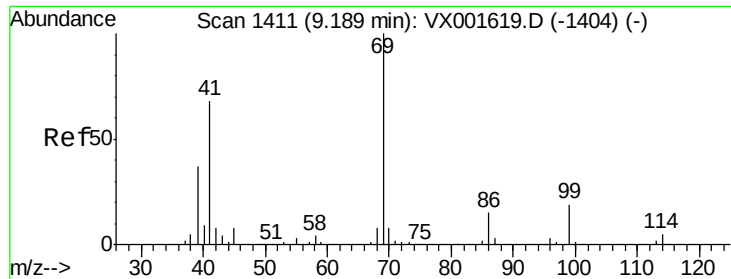
Tgt Ion: 75 Resp: 74956  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 25.8 38.6  
 39 49.2 39.4 59.0



#50  
 1,1,2-Trichloroethane  
 Concen: 20.28 ug/l  
 RT: 9.22 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 97 Resp: 64836  
 Ion Ratio Lower Upper  
 97 100  
 83 81.3 65.0 97.6  
 85 51.9 41.5 62.3  
 99 59.1 47.3 70.9

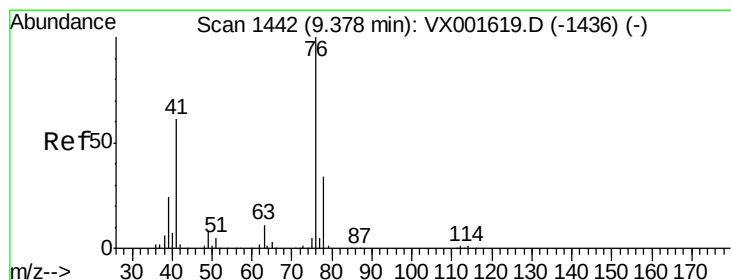
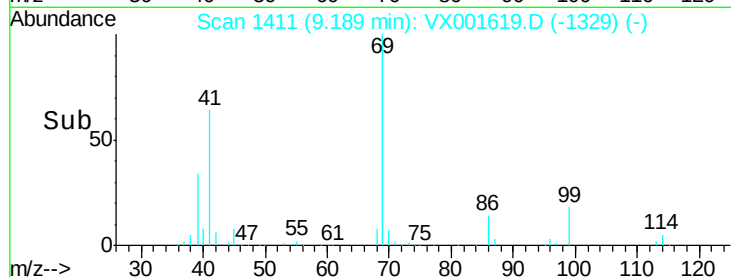
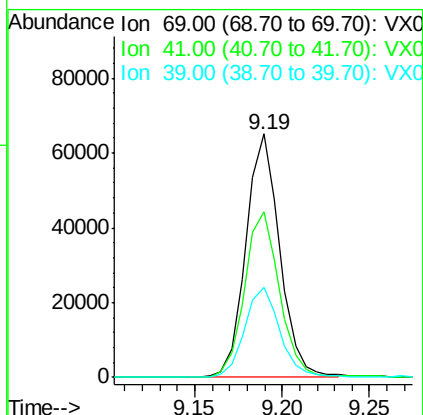
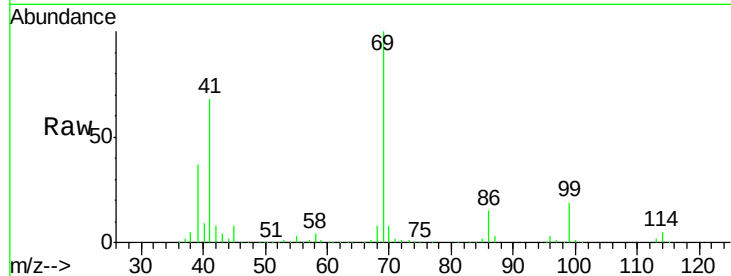




#51  
 Ethyl methacrylate  
 Concen: 19.24 ug/l  
 RT: 9.19 min Scan# 1411  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

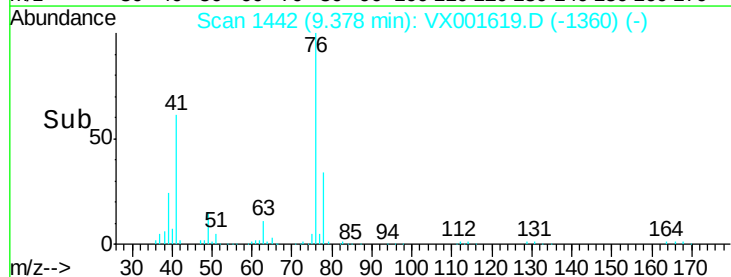
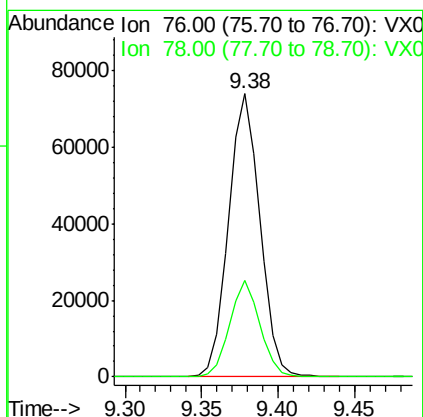
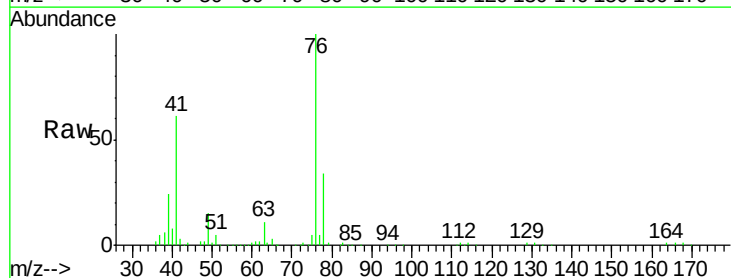
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

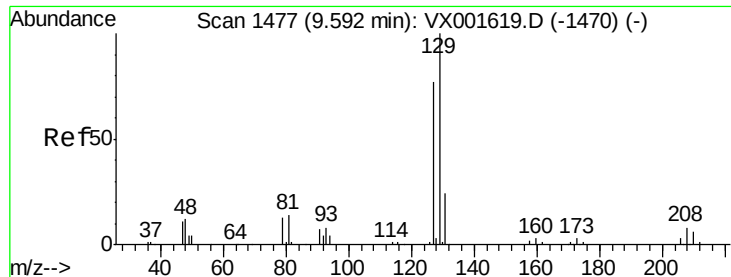
Tgt Ion: 69 Resp: 87500  
 Ion Ratio Lower Upper  
 69 100  
 41 67.7 33.9 101.6  
 39 36.8 18.4 55.2



#52  
 1,3-Dichloropropane  
 Concen: 20.36 ug/l  
 RT: 9.38 min Scan# 1442  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 76 Resp: 105482  
 Ion Ratio Lower Upper  
 76 100  
 78 32.9 0.0 65.8





#53

Dibromochloromethane

Concen: 18.28 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

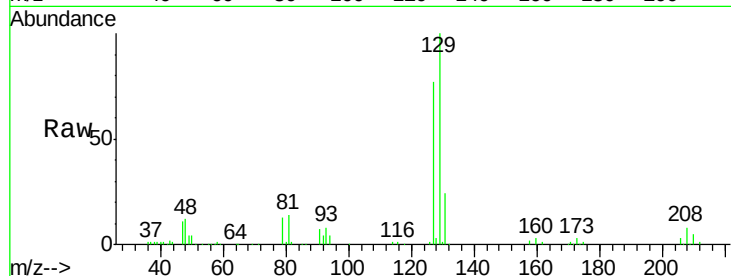
VSTDICCC020

Tgt Ion:129 Resp: 63905

Ion Ratio Lower Upper

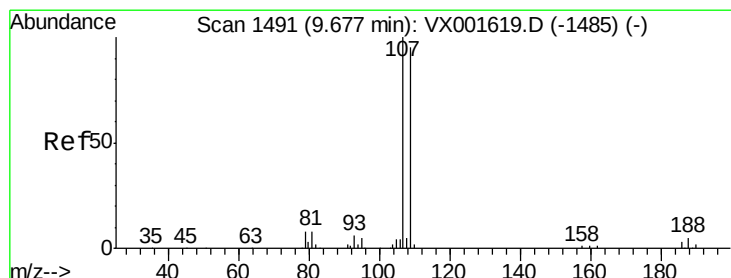
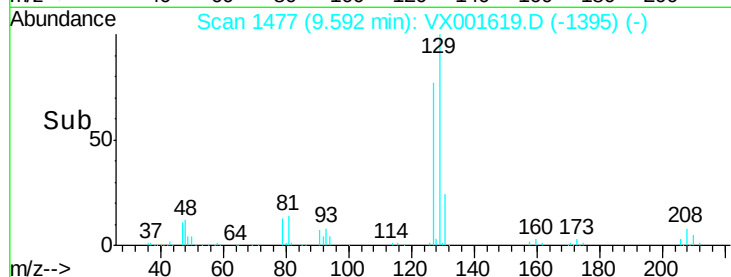
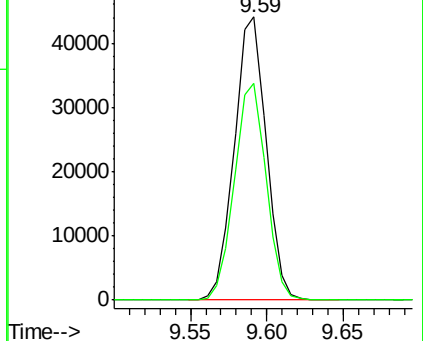
129 100

127 75.8 37.9 113.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.93 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001619.D

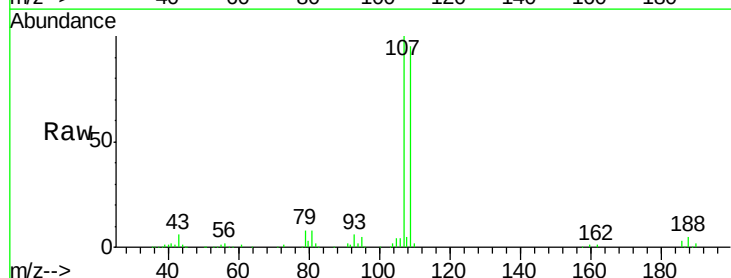
Acq: 10 May 2018 23:29

Tgt Ion:107 Resp: 68395

Ion Ratio Lower Upper

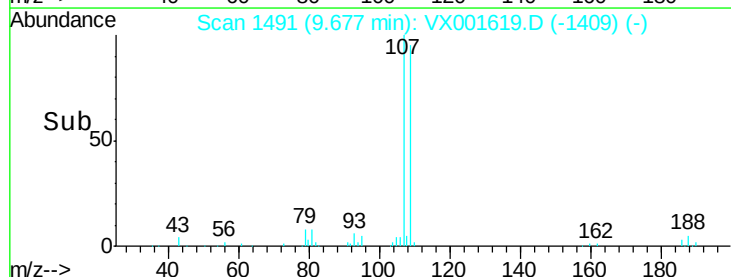
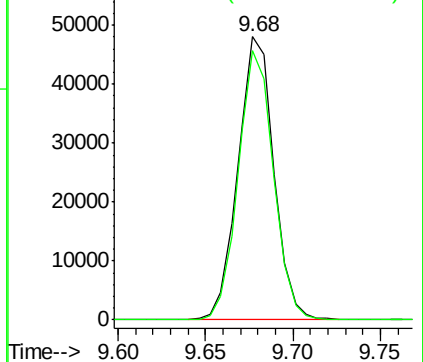
107 100

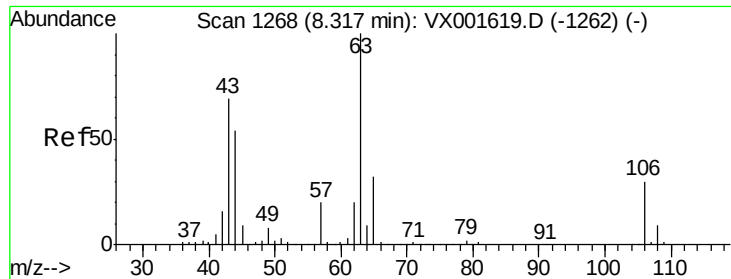
109 93.8 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

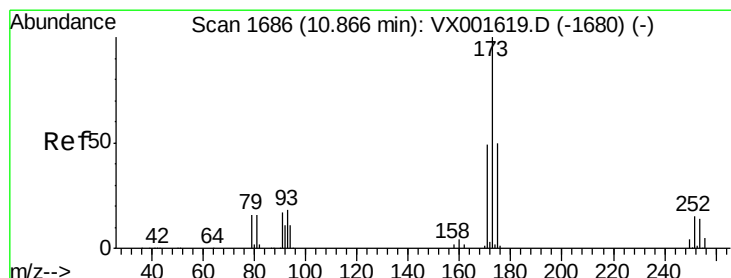
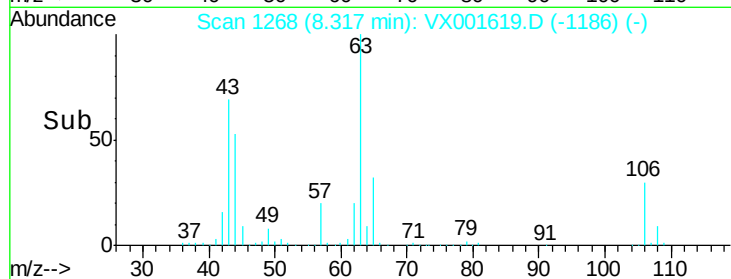
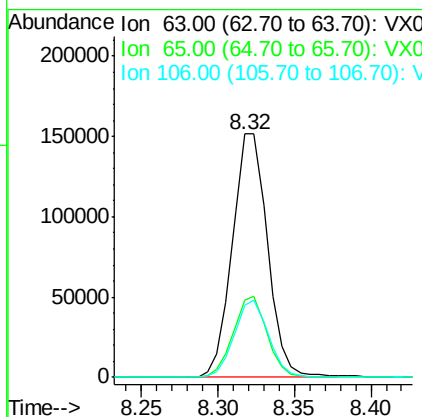
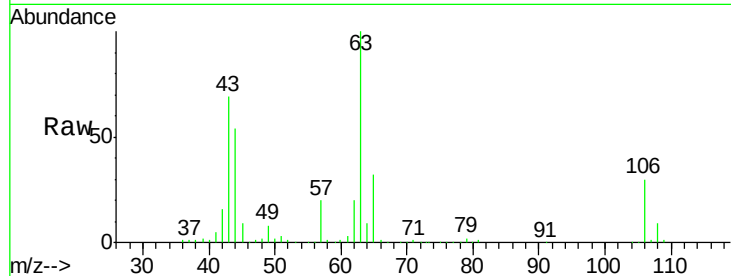




#55  
 2-Chloroethyl vinyl ether  
 Concen: 106.69 ug/l  
 RT: 8.32 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

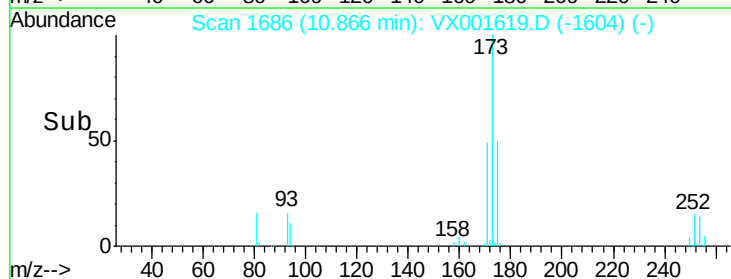
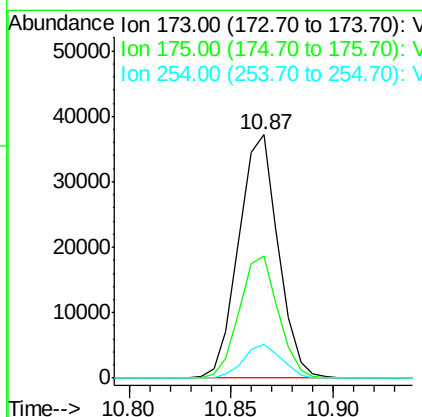
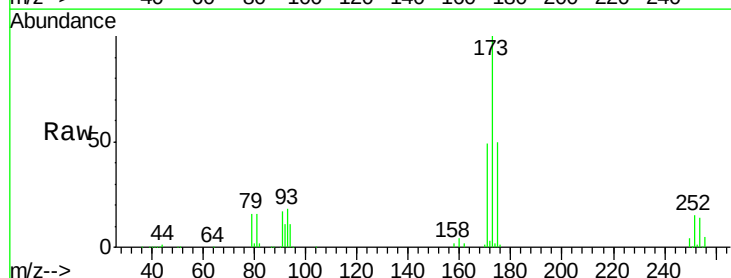
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion: 63 Resp: 241737  
 Ion Ratio Lower Upper  
 63 100  
 65 32.3 25.8 38.8  
 106 31.0 24.8 37.2

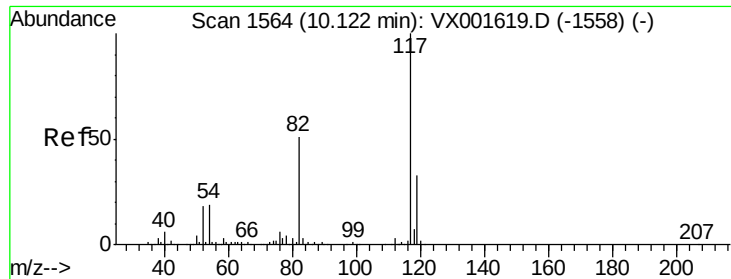


#56  
 Bromoform  
 Concen: 17.42 ug/l  
 RT: 10.87 min Scan# 1686  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 173 Resp: 49937  
 Ion Ratio Lower Upper  
 173 100  
 175 49.8 39.8 59.8  
 254 13.4 10.7 16.1



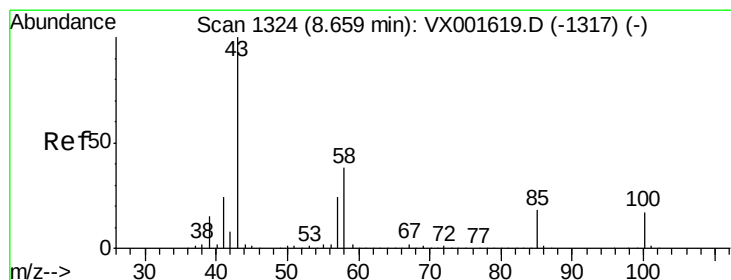
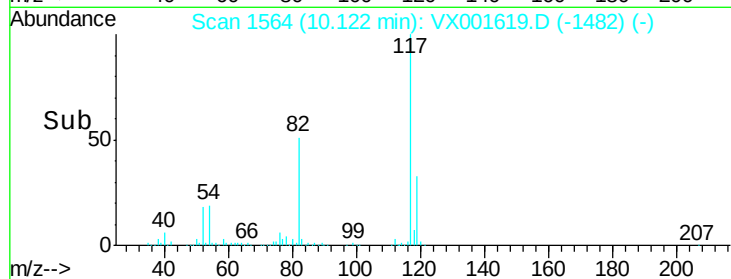
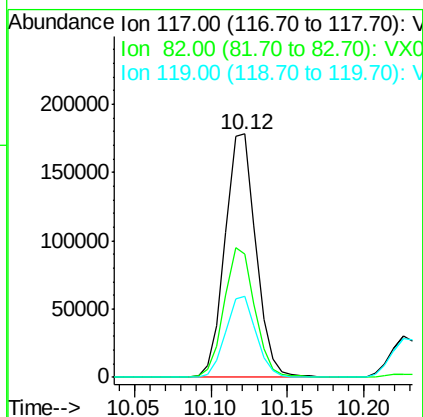
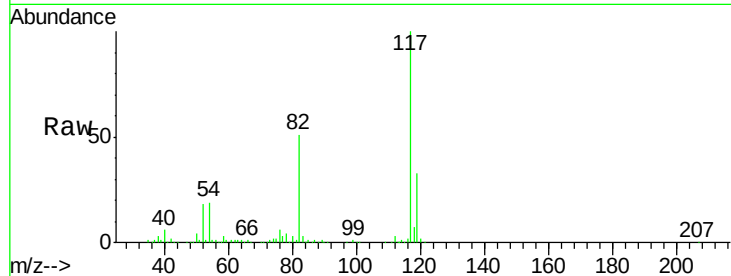




#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

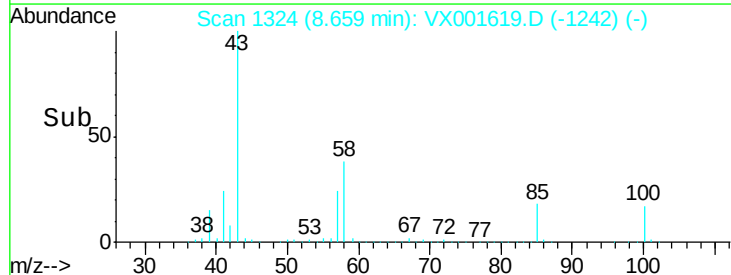
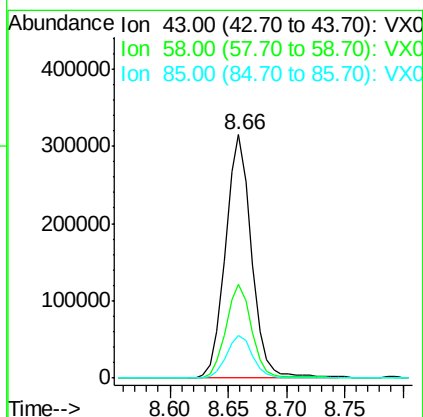
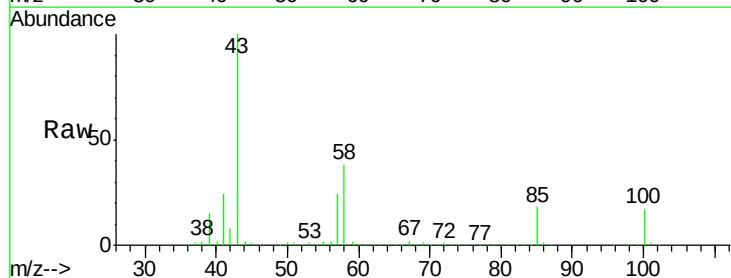
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

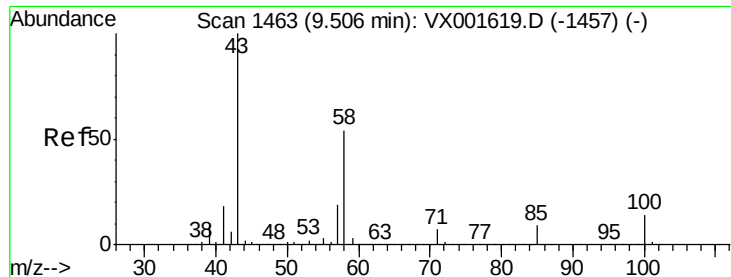
Tgt Ion: 117 Resp: 250743  
Ion Ratio Lower Upper  
117 100  
82 52.7 42.2 63.2  
119 32.9 26.3 39.5



#58  
4-Methyl-2-Pentanone  
Concen: 113.48 ug/l  
RT: 8.66 min Scan# 1324  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 43 Resp: 487325  
Ion Ratio Lower Upper  
43 100  
58 38.0 30.4 45.6  
85 17.9 14.3 21.5

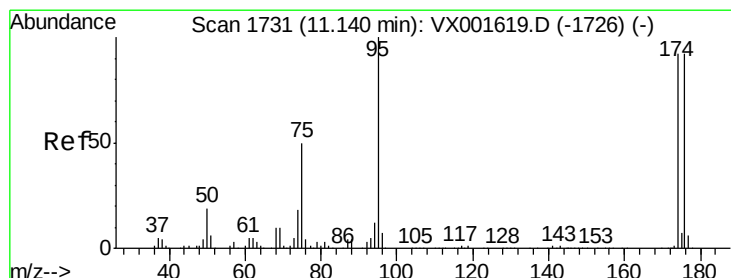
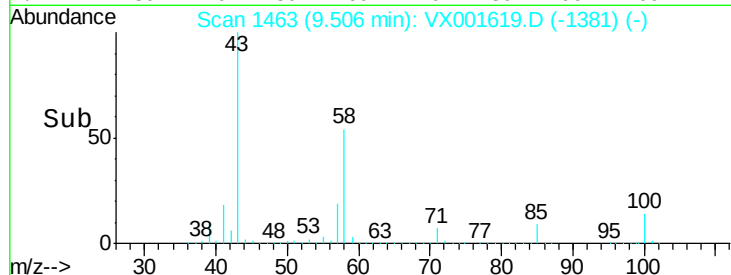
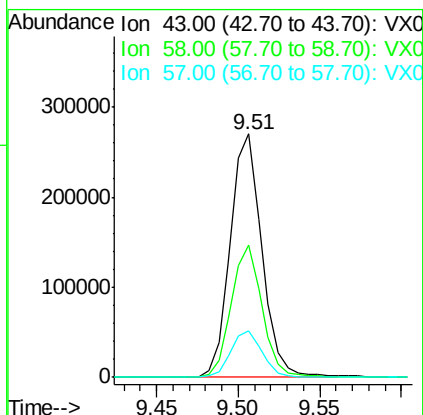
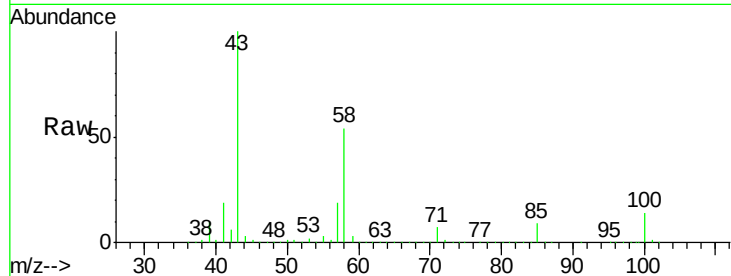




#59  
2-Hexanone  
Concen: 109.50 ug/l  
RT: 9.51 min Scan# 1463  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

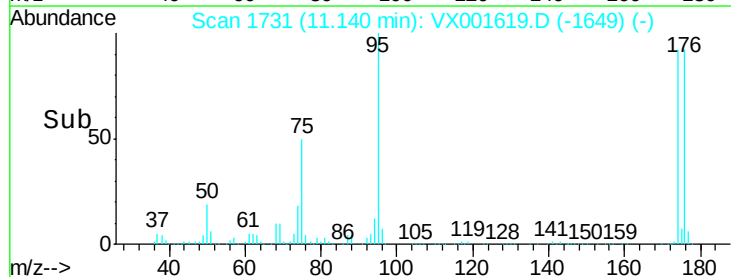
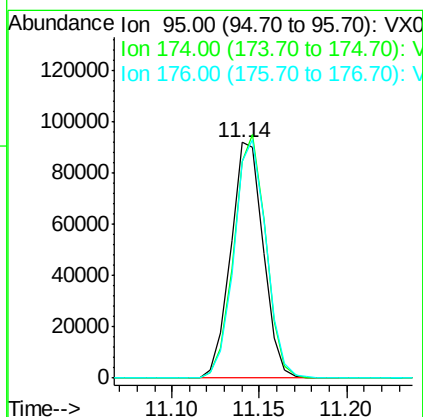
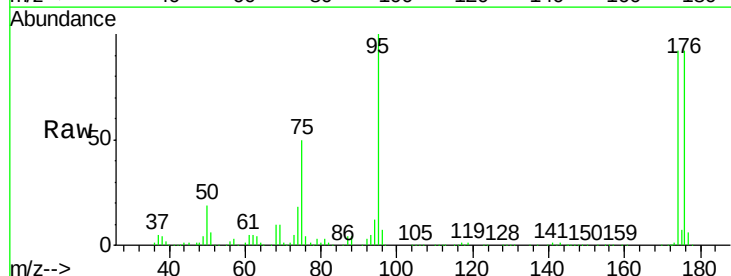
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

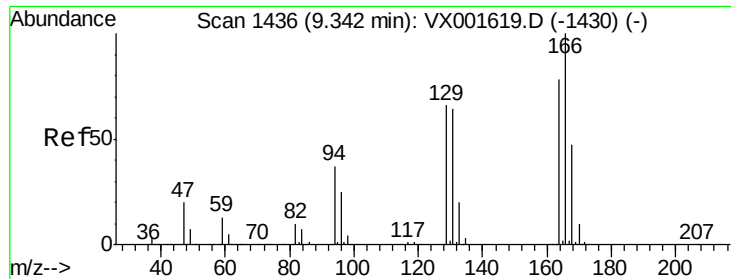
Tgt Ion: 43 Resp: 363946  
Ion Ratio Lower Upper  
43 100  
58 53.7 43.0 64.4  
57 19.2 15.4 23.0



#60  
4-Bromofluorobenzene  
Concen: 28.62 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 95 Resp: 119529  
Ion Ratio Lower Upper  
95 100  
174 100.2 80.2 120.2  
176 99.0 79.2 118.8

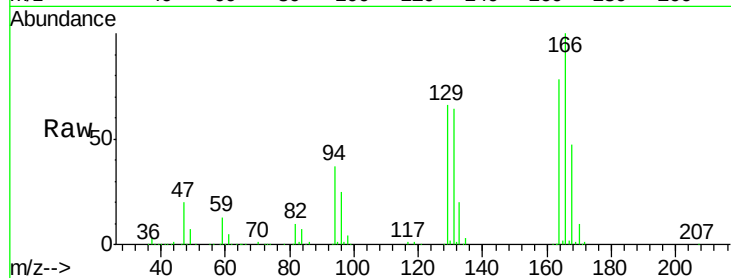




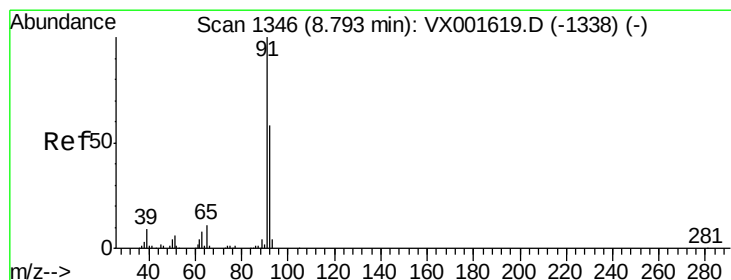
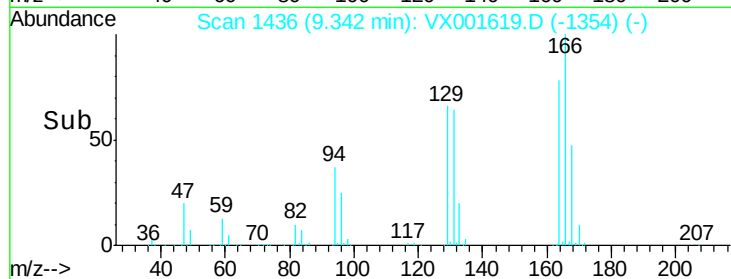
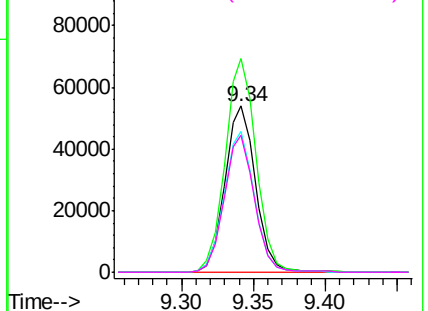
#61  
Tetrachloroethene  
Concen: 21.01 ug/l  
RT: 9.34 min Scan# 1436  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Tgt Ion:164 Resp: 80395  
Ion Ratio Lower Upper  
164 100  
166 128.5 102.8 154.2  
129 84.8 67.8 101.8  
131 82.7 66.2 99.2

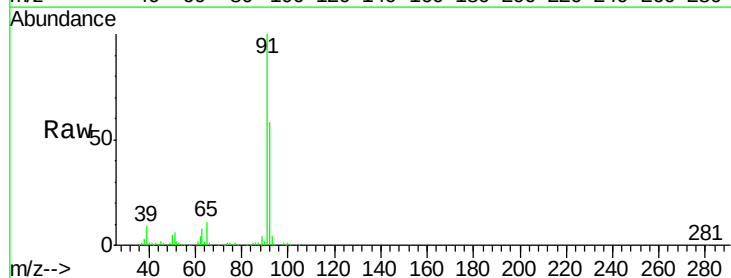


Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.90 (128.60 to 129.60): V  
Ion 130.90 (130.60 to 131.60): V

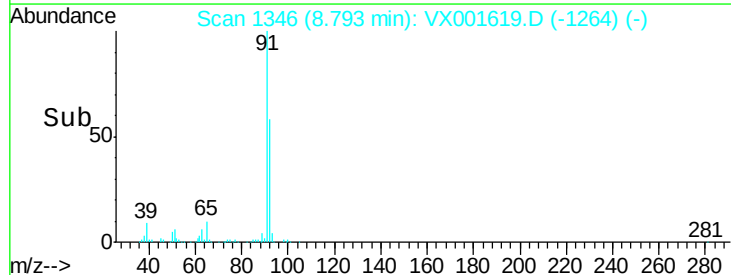
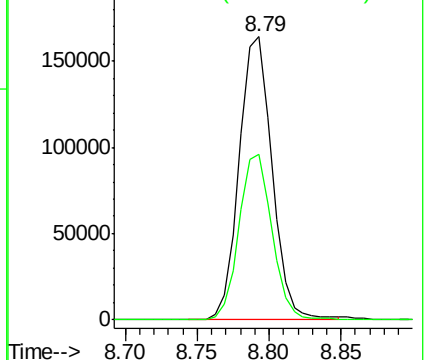


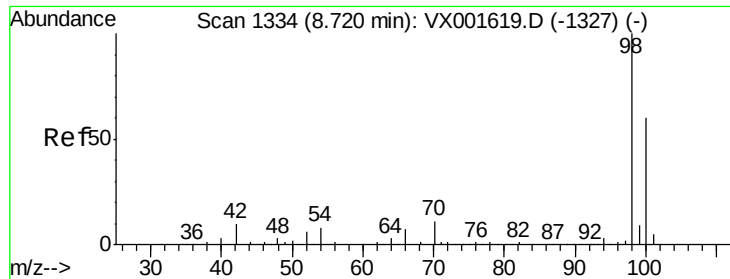
#62  
Toluene  
Concen: 19.50 ug/l  
RT: 8.79 min Scan# 1346  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion: 91 Resp: 260892  
Ion Ratio Lower Upper  
91 100  
92 59.2 47.4 71.0



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 31.16 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

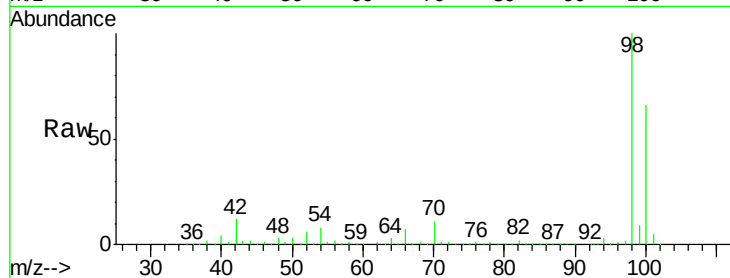
VSTDICCC020

Tgt Ion: 98 Resp: 338460

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX001619.D (-1327) (-)

Ion 100.00 (99.70 to 100.70): VX001619.D (-1327) (-)

8.72

250000

200000

150000

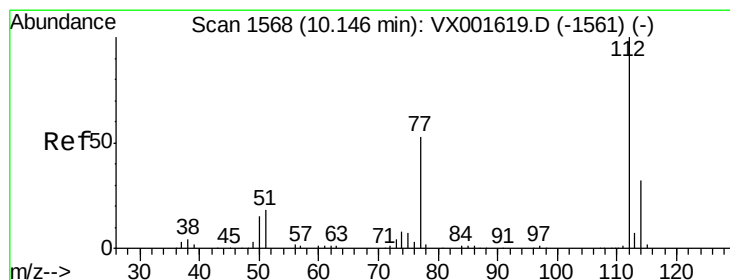
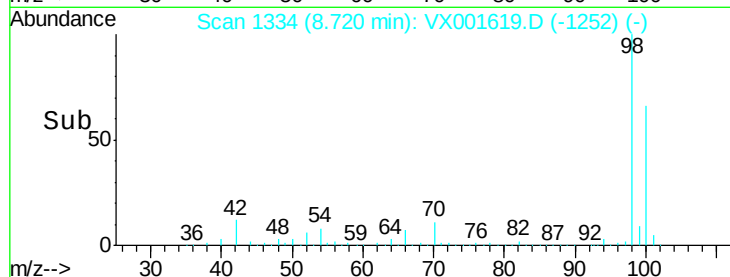
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 19.23 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001619.D

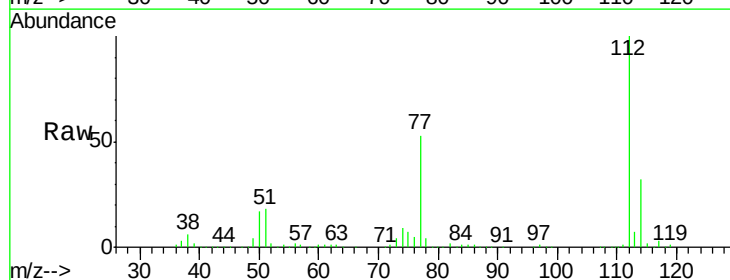
Acq: 10 May 2018 23:29

Tgt Ion: 112 Resp: 173256

Ion Ratio Lower Upper

112 100

114 31.6 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VX001619.D (-1561) (-)

Ion 114.00 (113.70 to 114.70): VX001619.D (-1561) (-)

10.15

150000

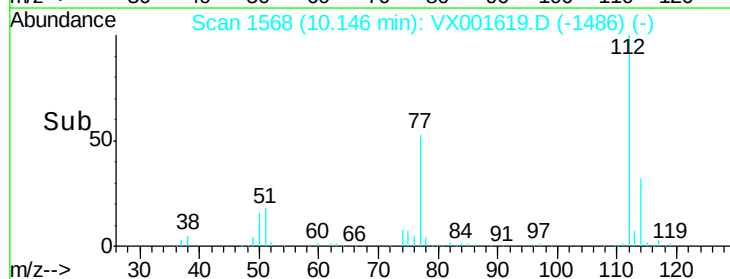
100000

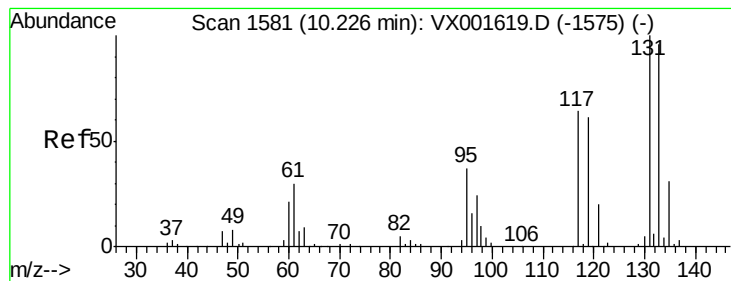
50000

0

10.10 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.54 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

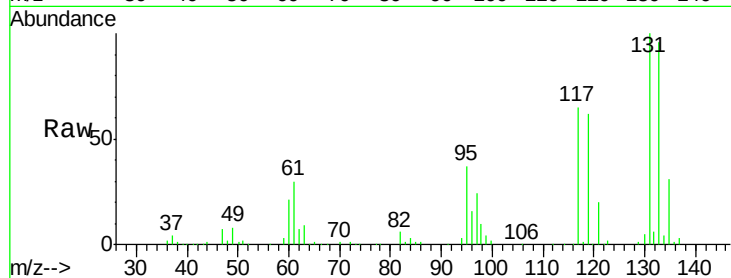
Tgt Ion:131 Resp: 64285

Ion Ratio Lower Upper

131 100

133 95.7 0.0 191.4

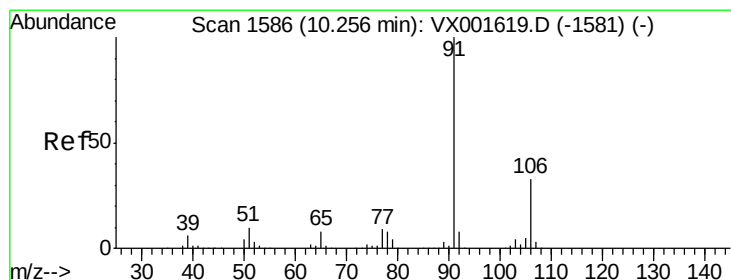
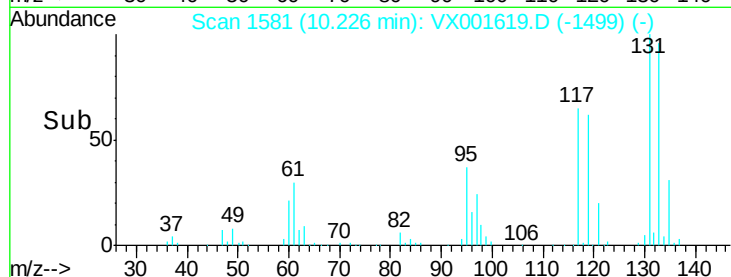
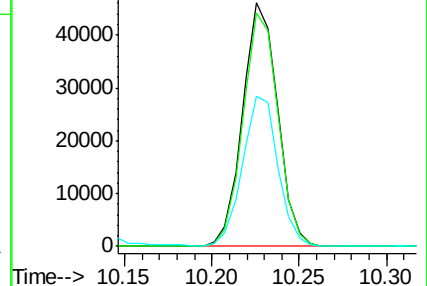
119 62.1 0.0 124.2



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: 18.39 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001619.D

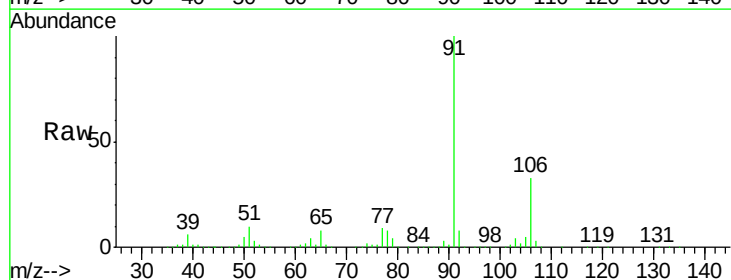
Acq: 10 May 2018 23:29

Tgt Ion: 91 Resp: 271237

Ion Ratio Lower Upper

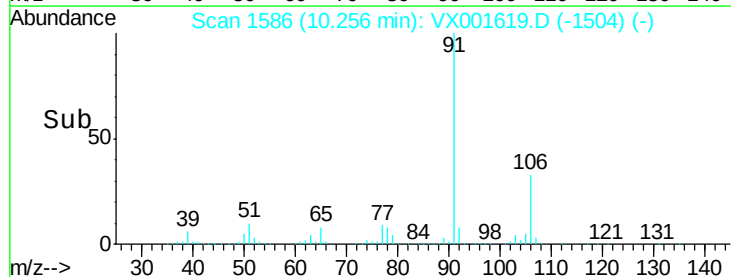
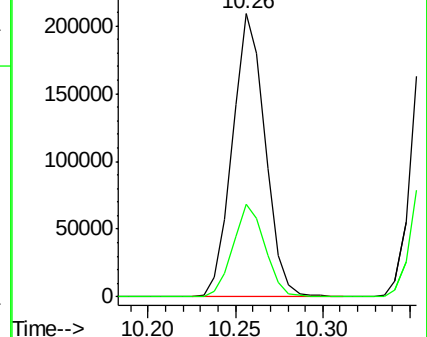
91 100

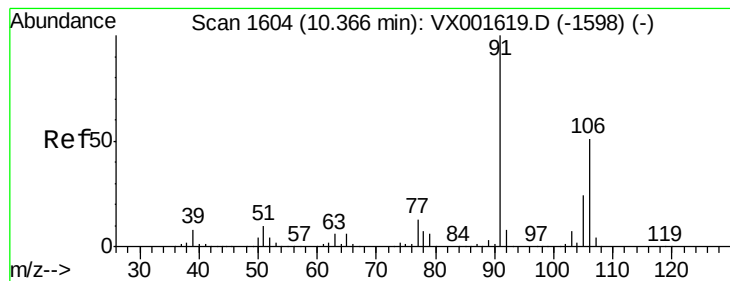
106 32.8 26.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 37.13 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

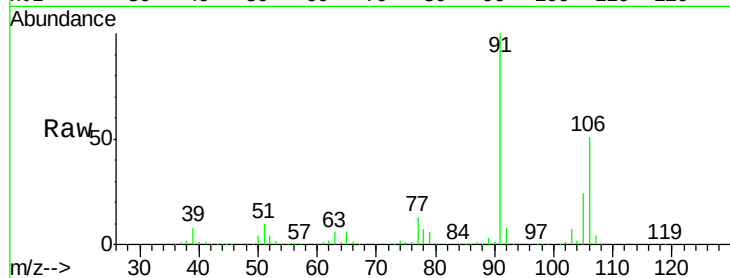
VSTDICCC020

Tgt Ion:106 Resp: 218849

Ion Ratio Lower Upper

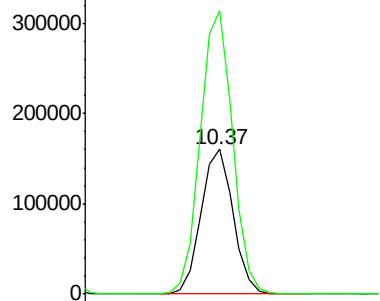
106 100

91 197.3 157.8 236.8

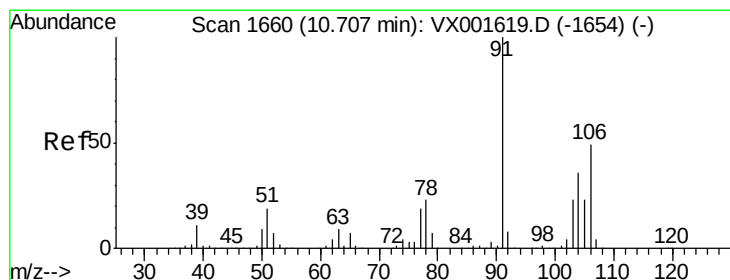
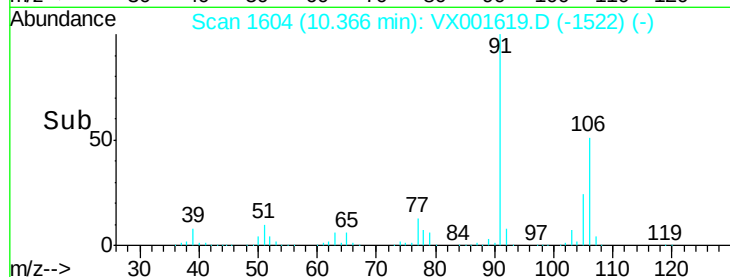


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#68

o-Xylene

Concen: 18.72 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX001619.D

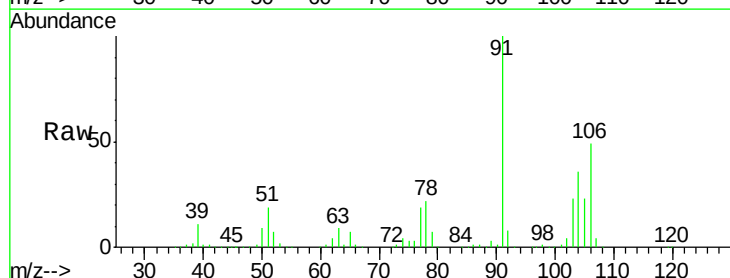
Acq: 10 May 2018 23:29

Tgt Ion:106 Resp: 106518

Ion Ratio Lower Upper

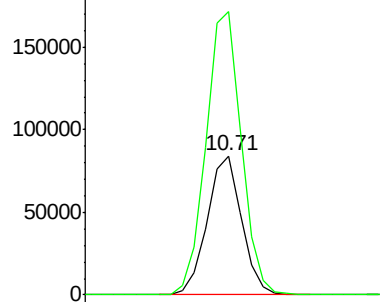
106 100

91 208.5 104.3 312.8

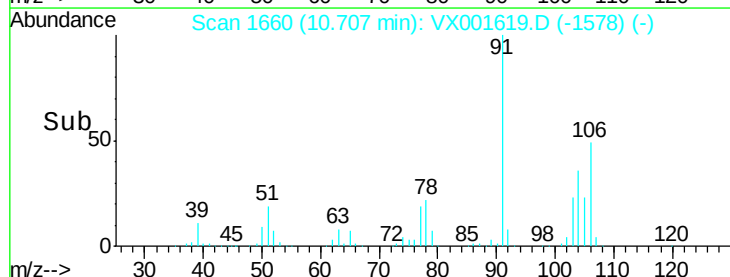


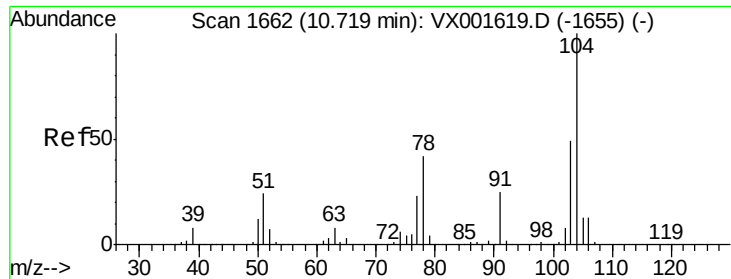
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



Time-->

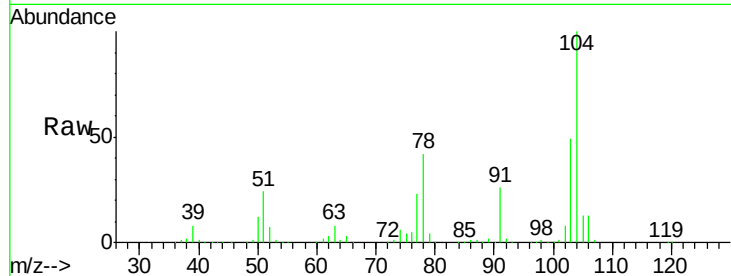




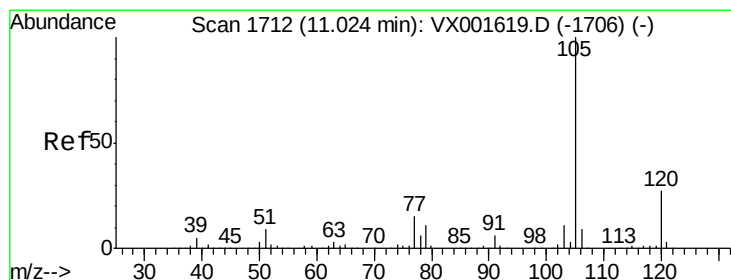
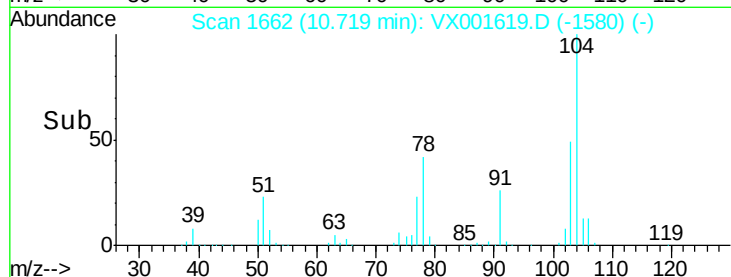
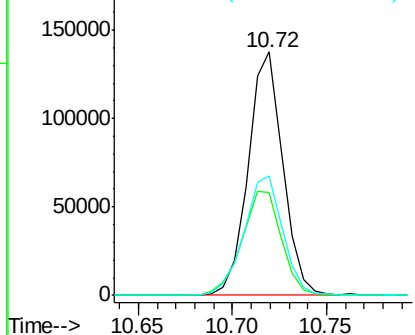
#69  
Styrene  
Concen: 18.53 ug/l  
RT: 10.72 min Scan# 1662  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Tgt Ion:104 Resp: 175524  
Ion Ratio Lower Upper  
104 100  
78 49.1 39.3 58.9  
103 54.6 43.7 65.5

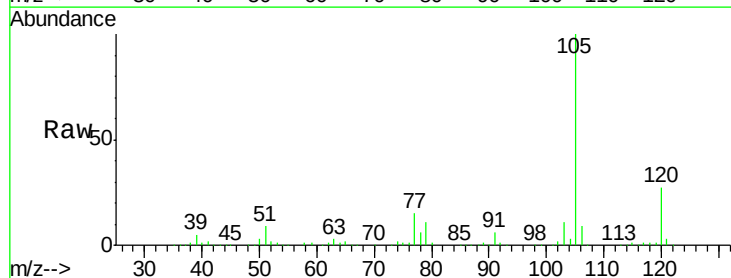


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): V  
Ion 103.00 (102.70 to 103.70): V

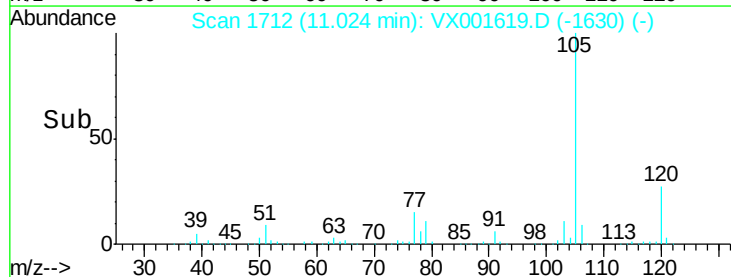
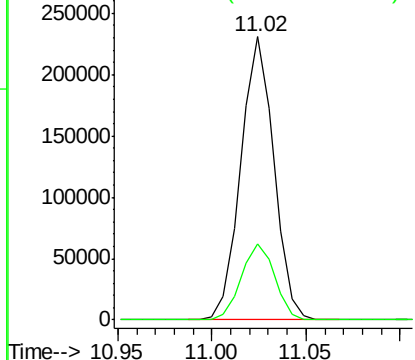


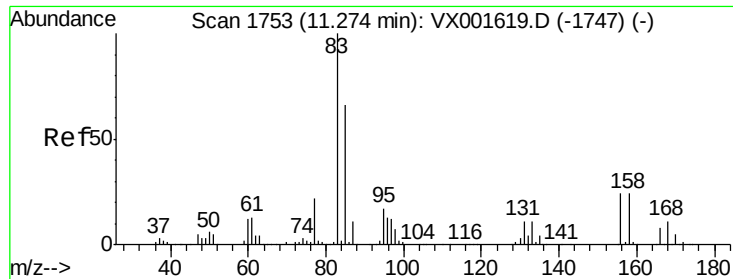
#70  
Isopropylbenzene  
Concen: 18.29 ug/l  
RT: 11.02 min Scan# 1712  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion:105 Resp: 281191  
Ion Ratio Lower Upper  
105 100  
120 27.3 19.1 35.5



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

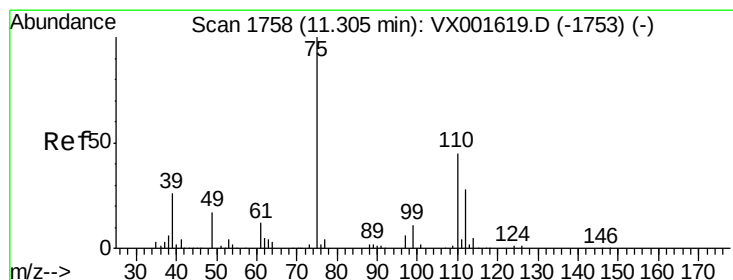
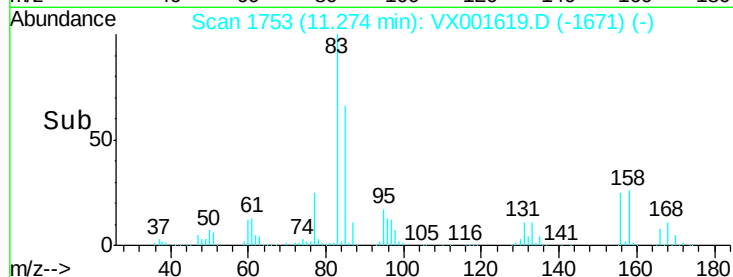
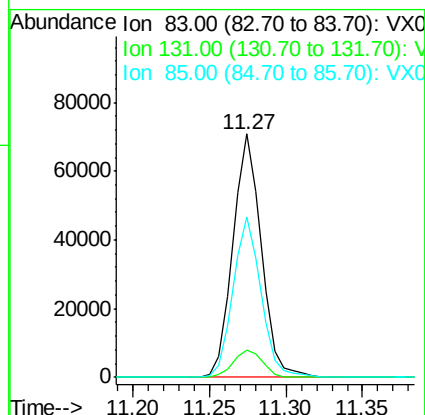
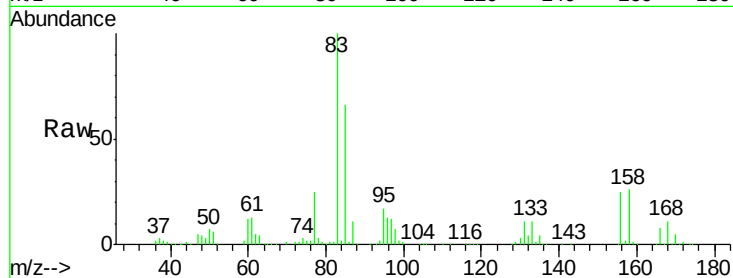




#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.75 ug/l  
 RT: 11.27 min Scan# 1753  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

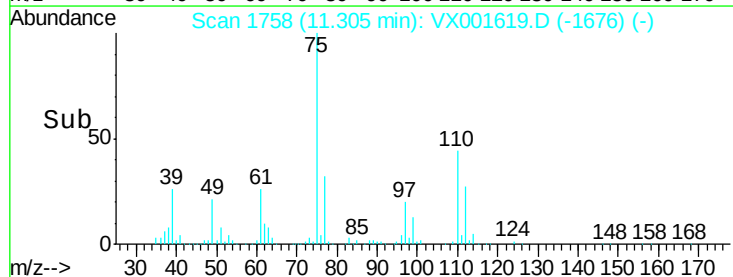
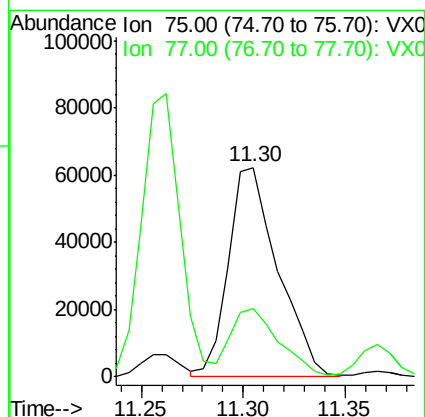
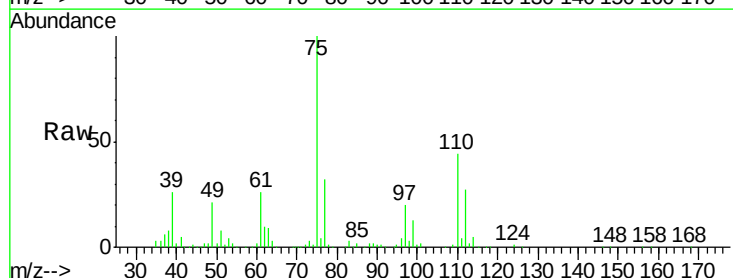
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion: 83 Resp: 91123  
 Ion Ratio Lower Upper  
 83 100  
 131 11.6 5.8 17.4  
 85 64.8 32.4 97.2

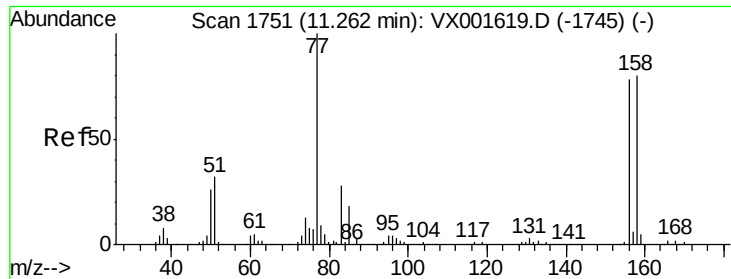


#72  
 1,2,3-Trichloropropane  
 Concen: 25.26 ug/l  
 RT: 11.30 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 75 Resp: 105061  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 0.0 73.2







#73

Bromobenzene

Concen: 18.41 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

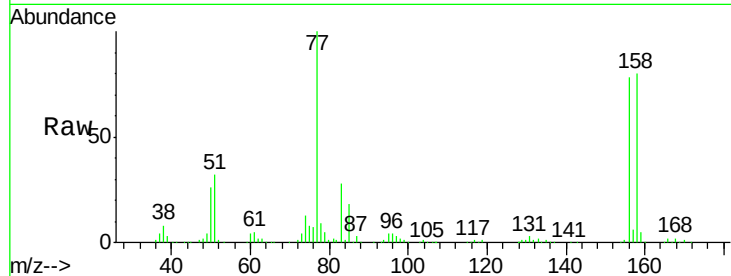
Tgt Ion:156 Resp: 82678

Ion Ratio Lower Upper

156 100

77 133.2 0.0 266.4

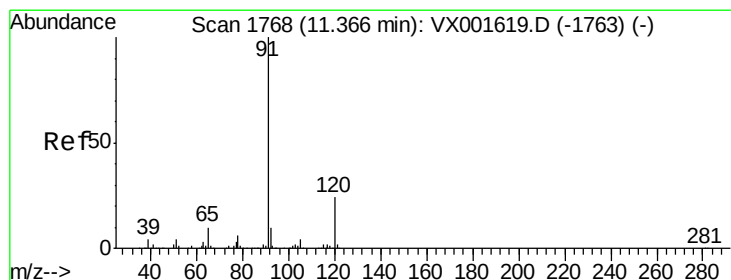
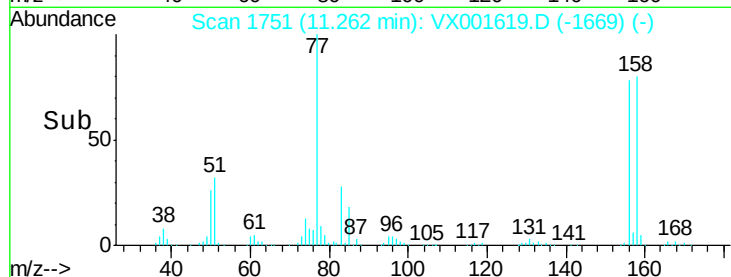
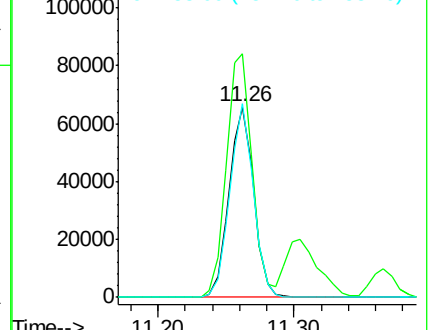
158 97.2 0.0 194.4



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: 17.85 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001619.D

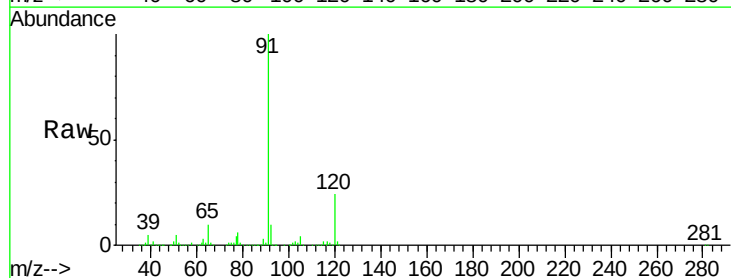
Acq: 10 May 2018 23:29

Tgt Ion: 91 Resp: 309311

Ion Ratio Lower Upper

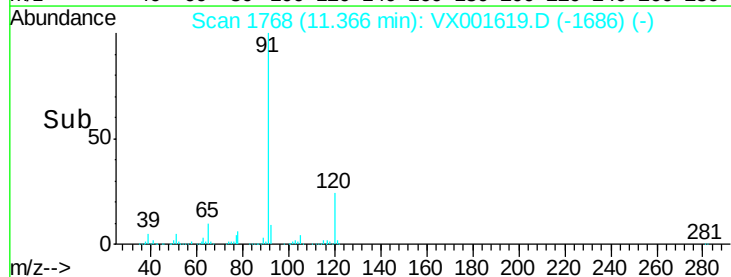
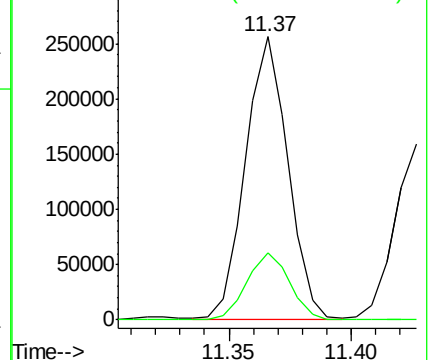
91 100

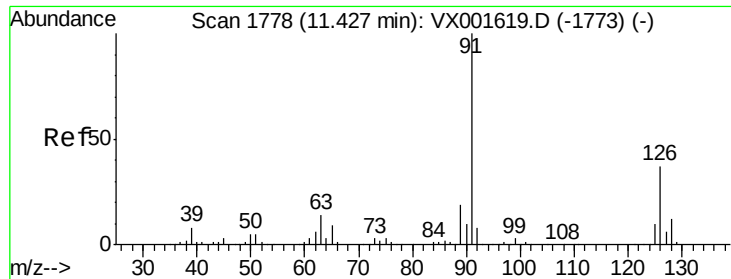
120 24.0 0.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.37 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampled :

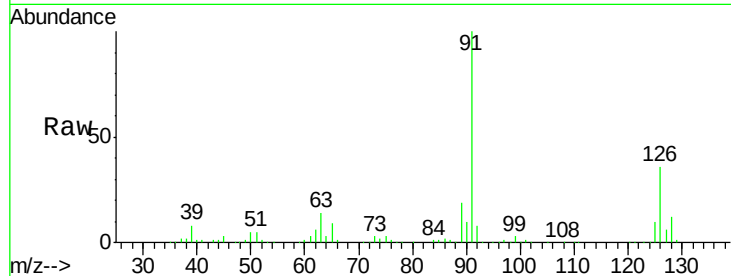
VSTDICCC020

Tgt Ion: 91 Resp: 193544

Ion Ratio Lower Upper

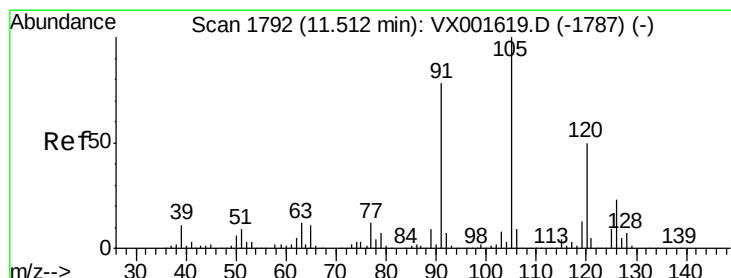
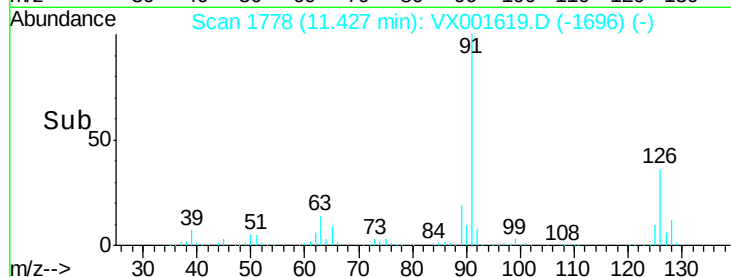
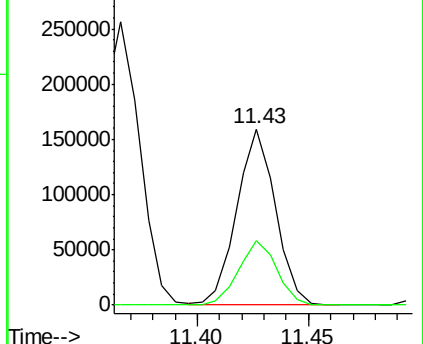
91 100

126 36.0 0.0 72.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 17.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001619.D

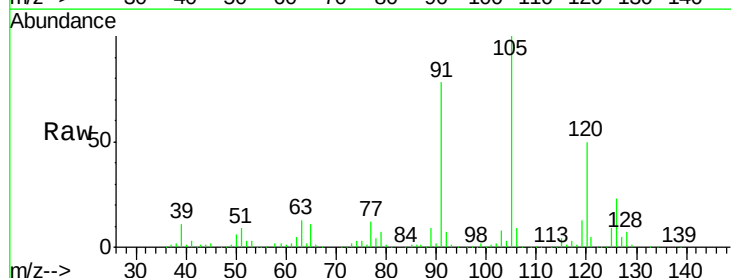
Acq: 10 May 2018 23:29

Tgt Ion: 105 Resp: 235421

Ion Ratio Lower Upper

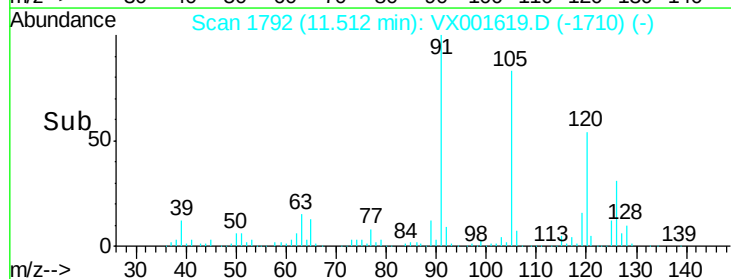
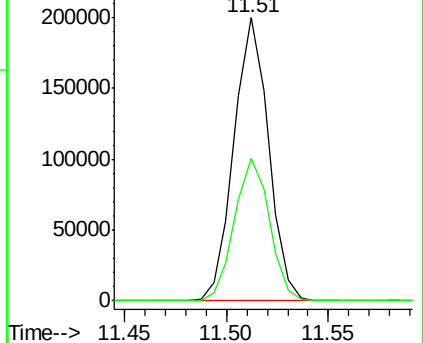
105 100

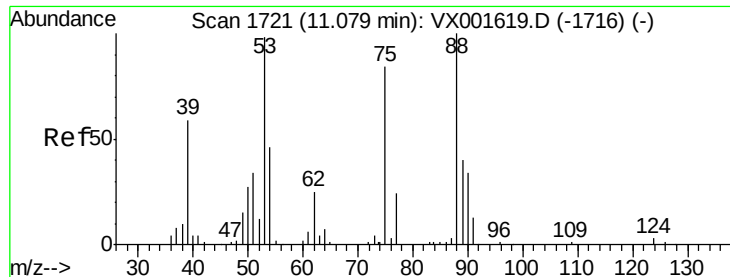
120 50.9 0.0 101.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 16.97 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

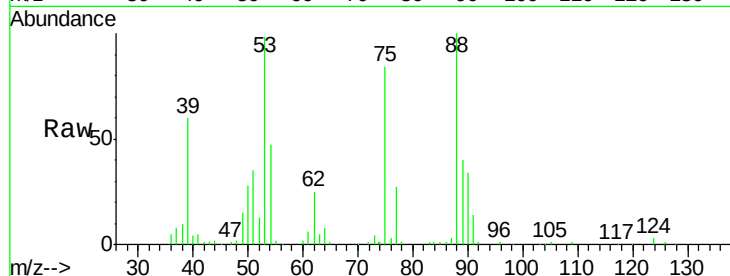
Tgt Ion: 75 Resp: 20798

Ion Ratio Lower Upper

75 100

53 116.5 58.3 174.8

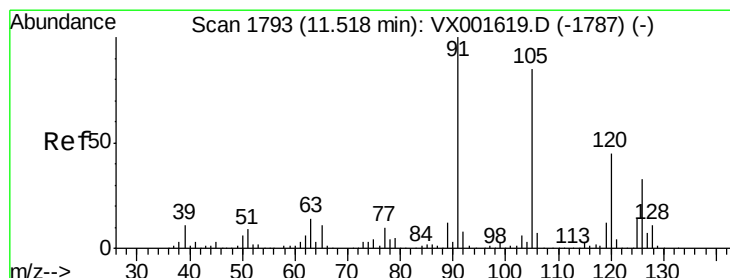
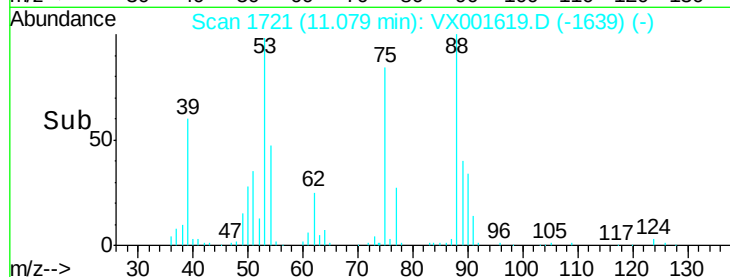
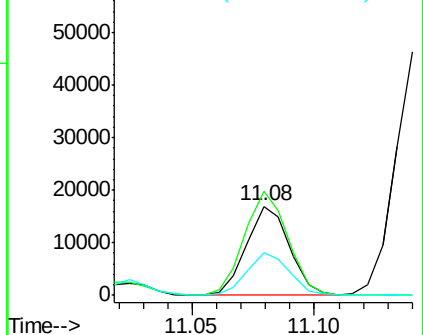
89 47.9 23.9 71.8



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: 17.55 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001619.D

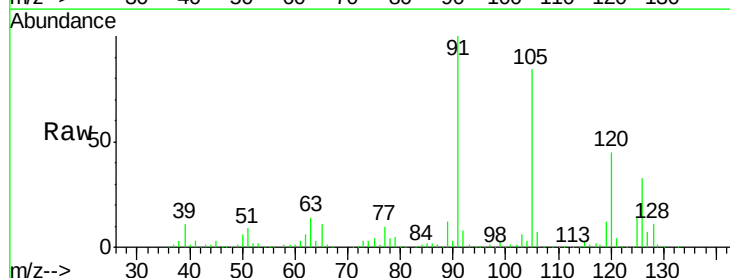
Acq: 10 May 2018 23:29

Tgt Ion: 91 Resp: 218313

Ion Ratio Lower Upper

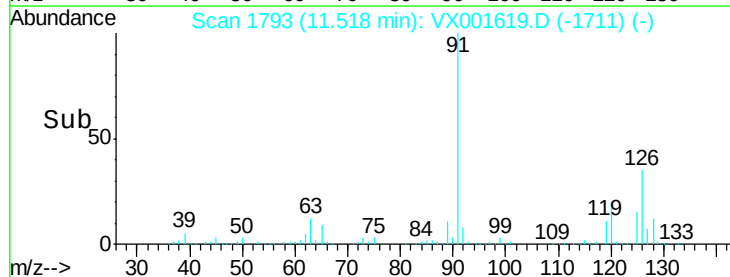
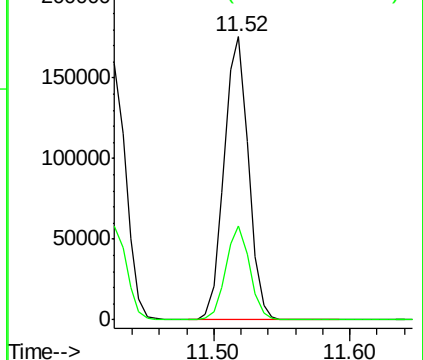
91 100

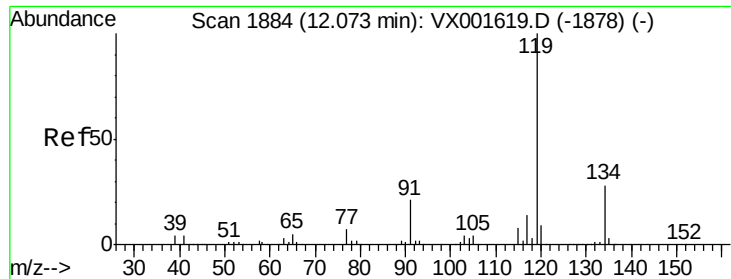
126 32.4 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

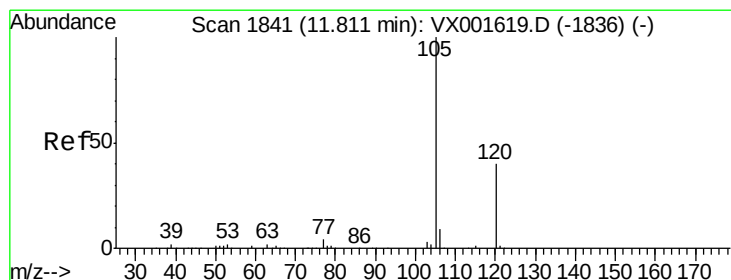
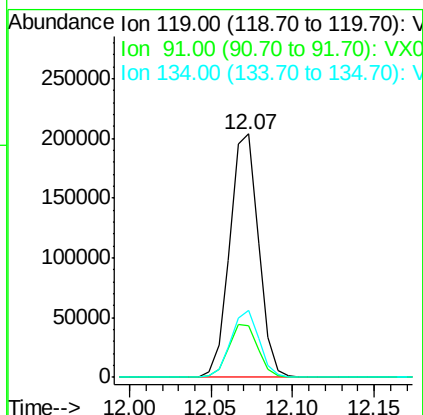
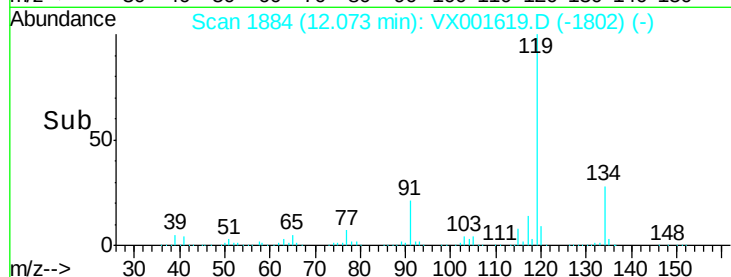
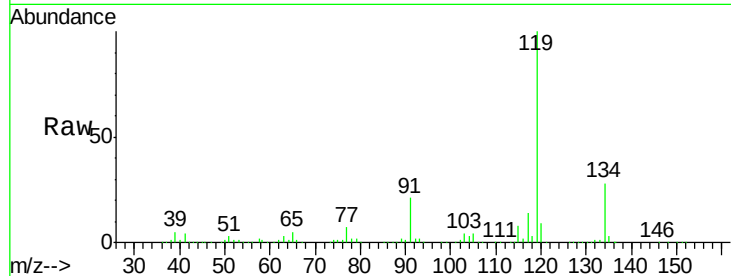




#79  
tert-butylbenzene  
Concen: 17.83 ug/l  
RT: 12.07 min Scan# 1884  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

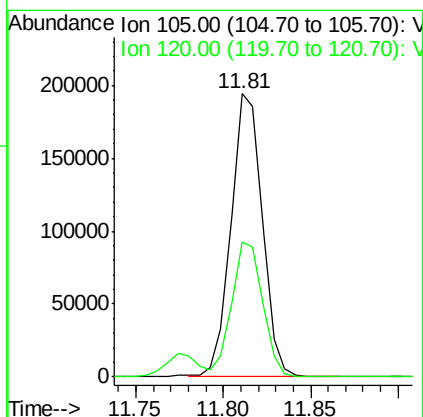
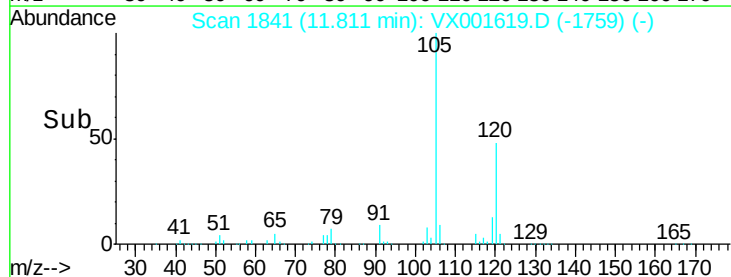
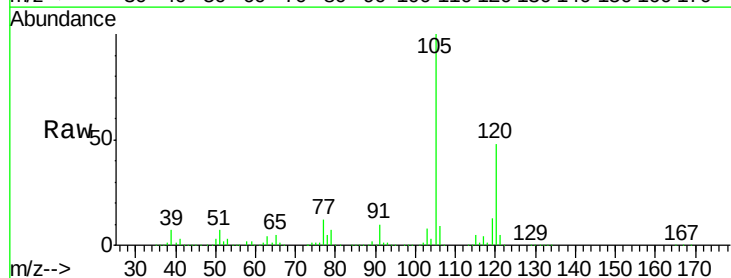
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

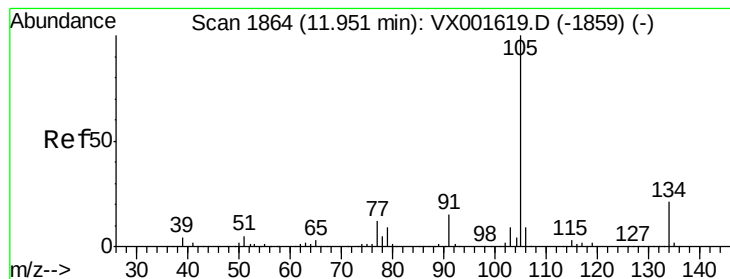
Tgt Ion:119 Resp: 249603  
Ion Ratio Lower Upper  
119 100  
91 22.0 0.0 44.0  
134 26.9 0.0 53.8



#80  
1,2,4-Trimethylbenzene  
Concen: 18.17 ug/l  
RT: 11.81 min Scan# 1841  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion:105 Resp: 241647  
Ion Ratio Lower Upper  
105 100  
120 47.0 0.0 94.0





#81

sec-Butylbenzene

Concen: 17.94 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

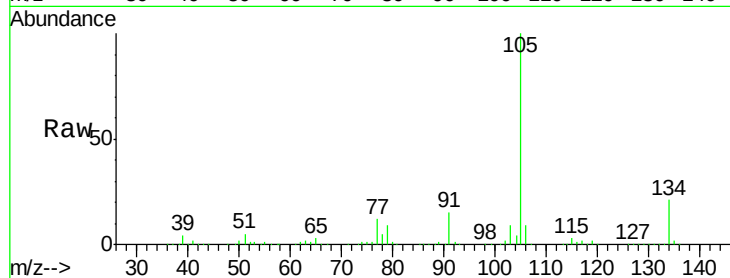
VSTDICCC020

Tgt Ion:105 Resp: 272536

Ion Ratio Lower Upper

105 100

134 21.7 0.0 43.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

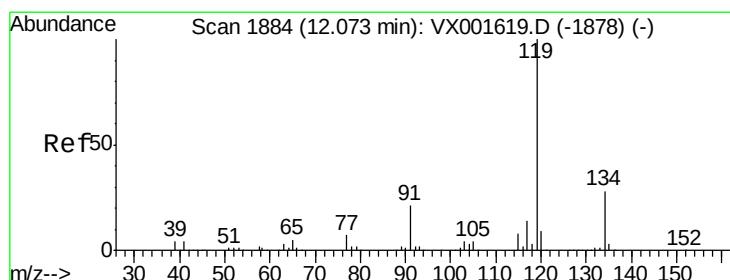
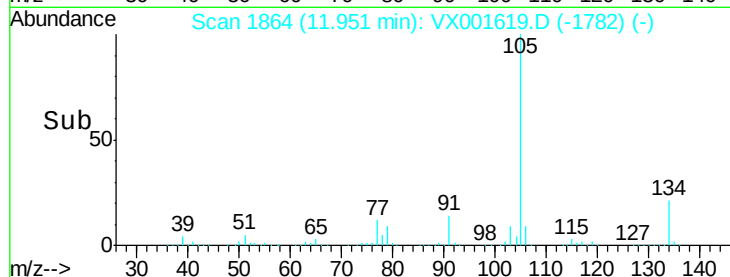
100000

50000

0

11.90 11.95 12.00

Time-->



#82

p-Isopropyltoluene

Concen: 17.83 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

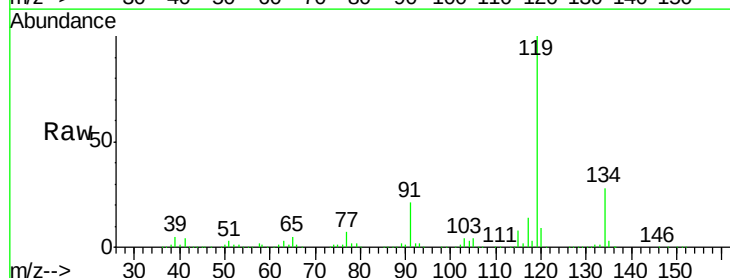
Tgt Ion:119 Resp: 249603

Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.8

91 22.0 0.0 44.0



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

250000

200000

150000

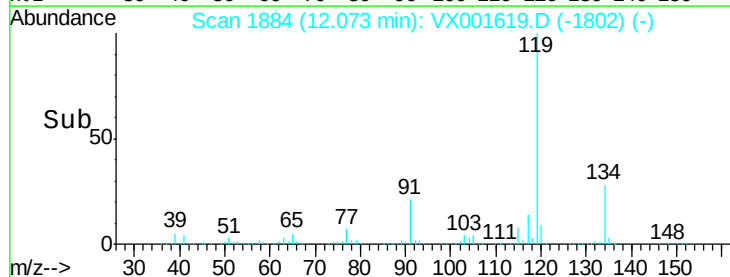
100000

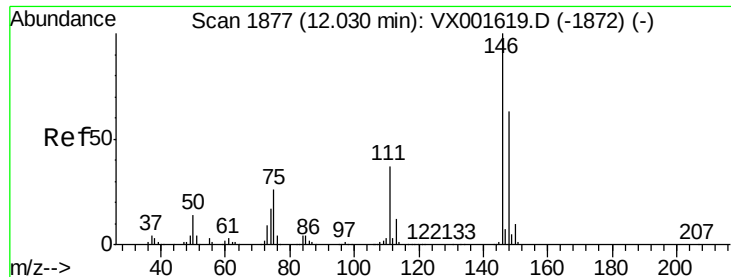
50000

0

12.00 12.05 12.10 12.15

Time-->

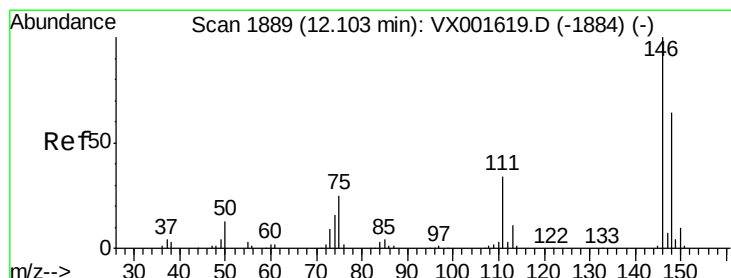
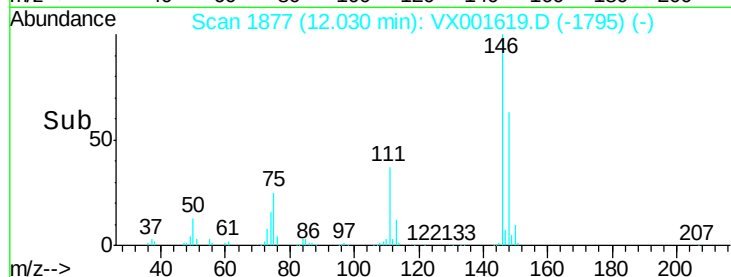
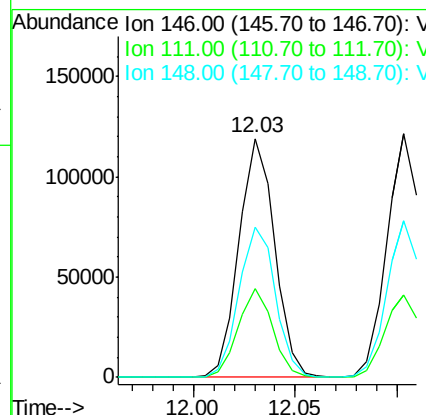
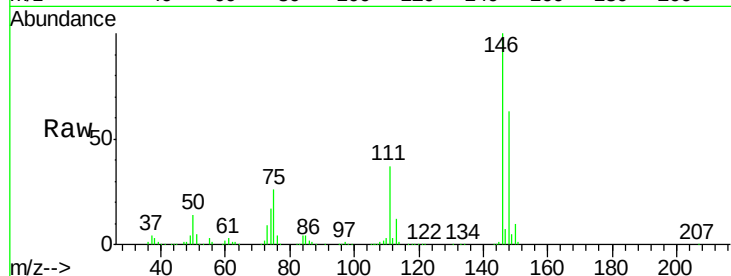




#83  
 1,3-Dichlorobenzene  
 Concen: 17.75 ug/l  
 RT: 12.03 min Scan# 1877  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

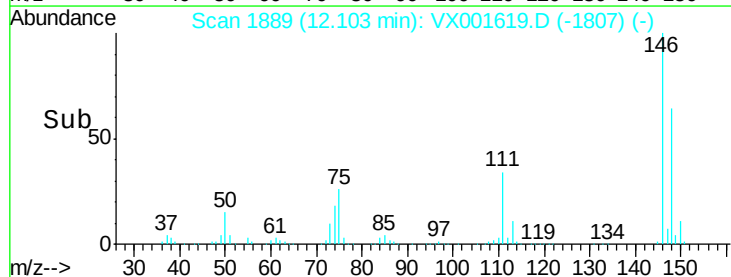
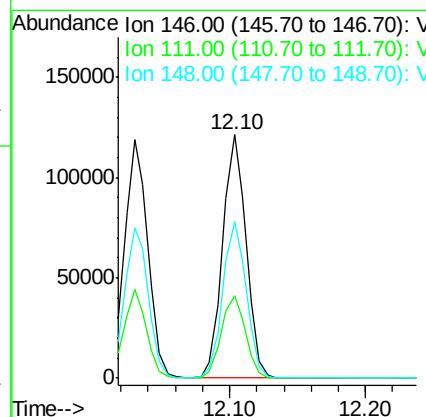
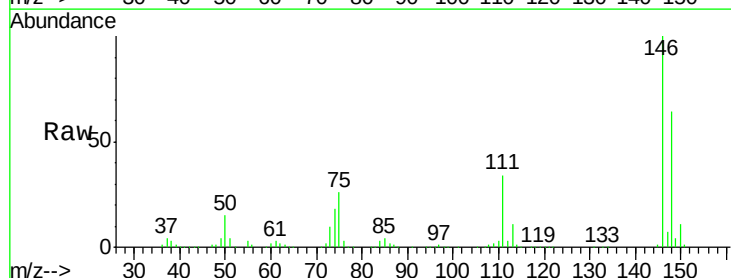
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

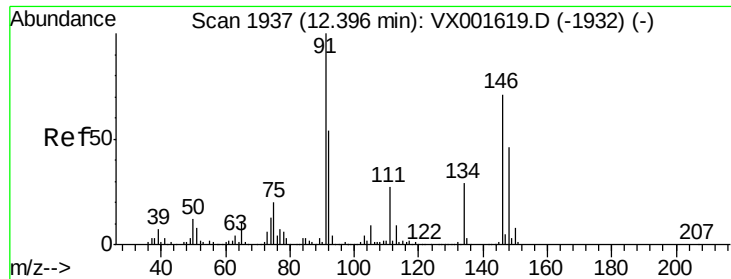
Tgt Ion:146 Resp: 144348  
 Ion Ratio Lower Upper  
 146 100  
 111 36.1 18.1 54.1  
 148 64.4 32.2 96.6



#84  
 1,4-Dichlorobenzene  
 Concen: 17.53 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion:146 Resp: 144778  
 Ion Ratio Lower Upper  
 146 100  
 111 34.9 17.4 52.3  
 148 64.9 32.5 97.4





#85

n-Butylbenzene

Concen: 15.96 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001619.D

Acq: 10 May 2018 23:29

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC020

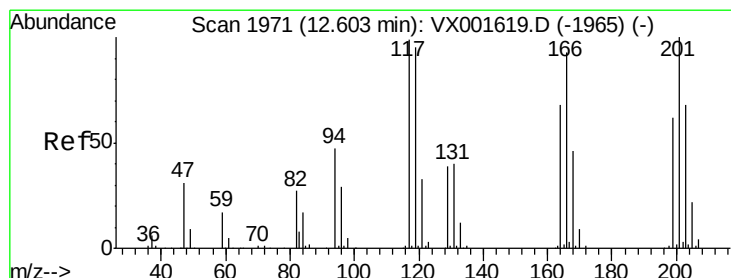
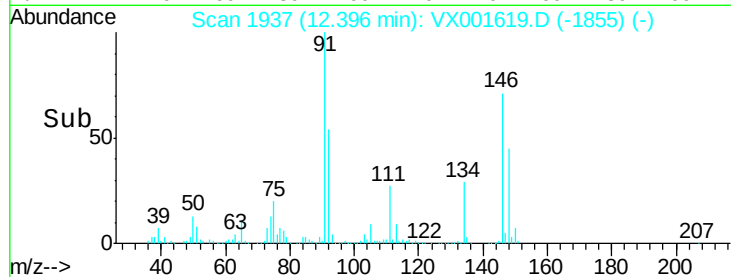
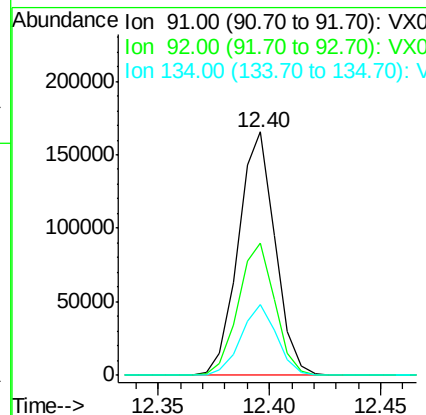
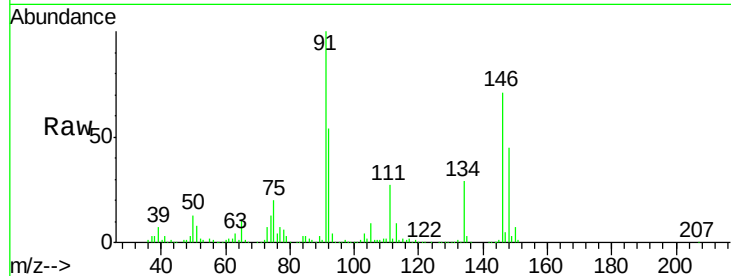
Tgt Ion: 91 Resp: 190670

Ion Ratio Lower Upper

91 100

92 53.9 0.0 107.8

134 28.4 0.0 56.8



#86

Hexachloroethane

Concen: 17.41 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001619.D

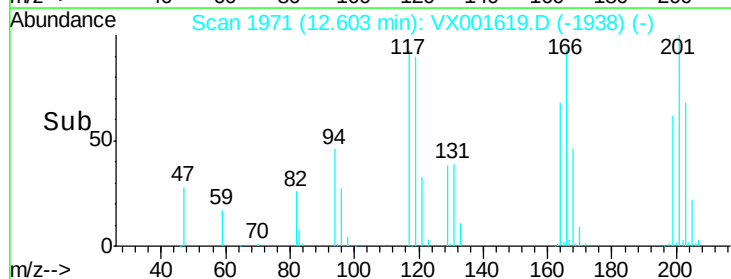
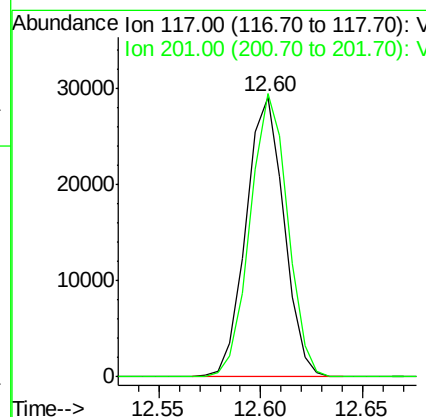
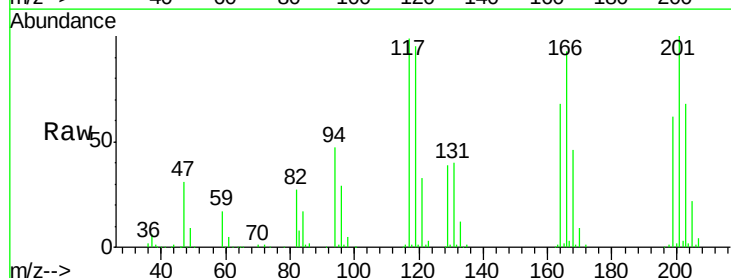
Acq: 10 May 2018 23:29

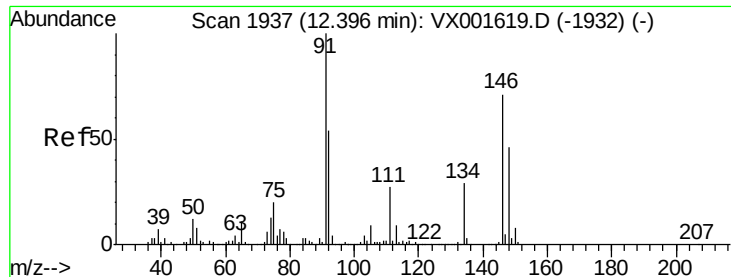
Tgt Ion: 117 Resp: 37514

Ion Ratio Lower Upper

117 100

201 100.2 50.1 150.3

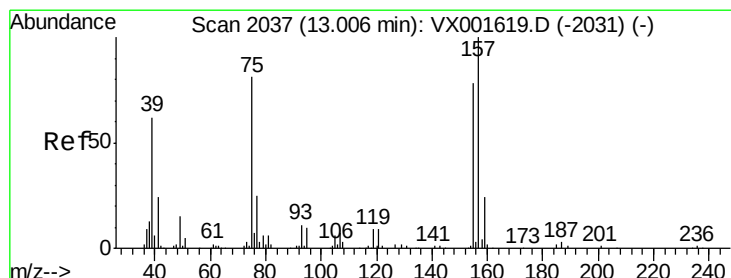
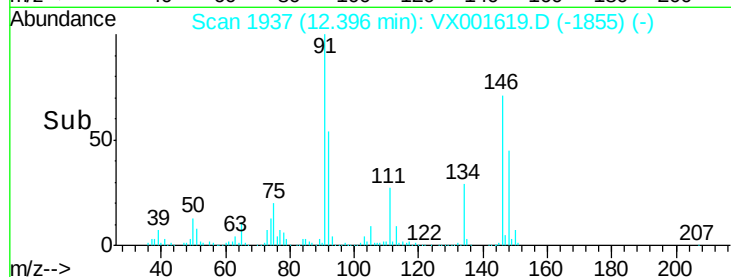
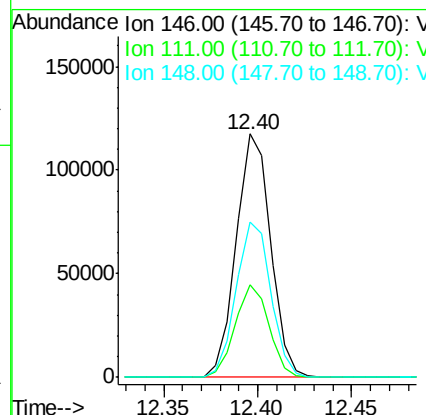
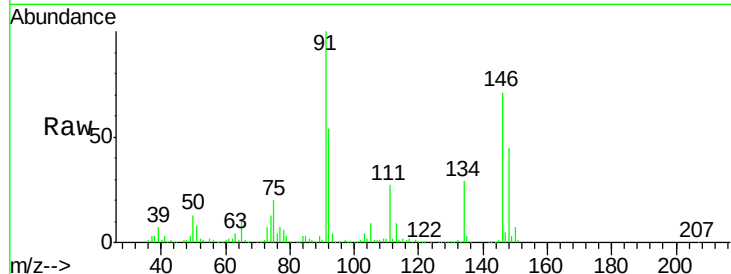




#87  
 1,2-Dichlorobenzene  
 Concen: 18.36 ug/l  
 RT: 12.40 min Scan# 1937  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

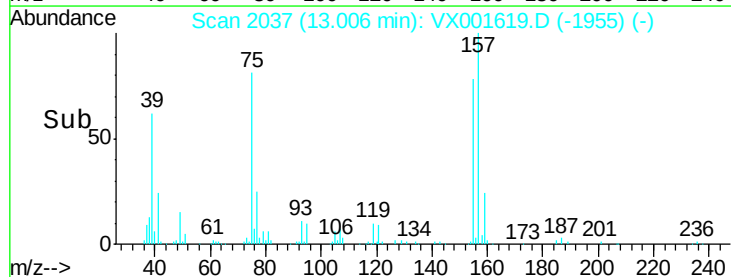
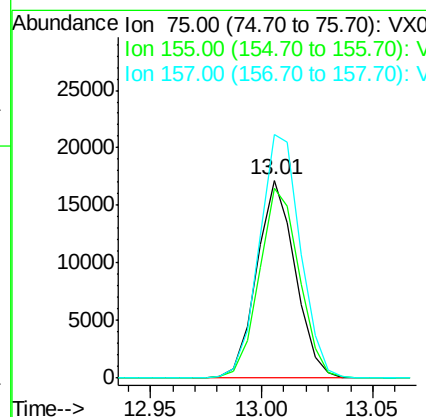
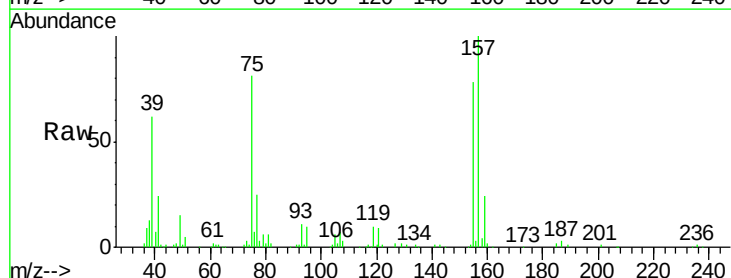
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

Tgt Ion:146 Resp: 149495  
 Ion Ratio Lower Upper  
 146 100  
 111 37.4 18.7 56.1  
 148 64.3 32.1 96.5

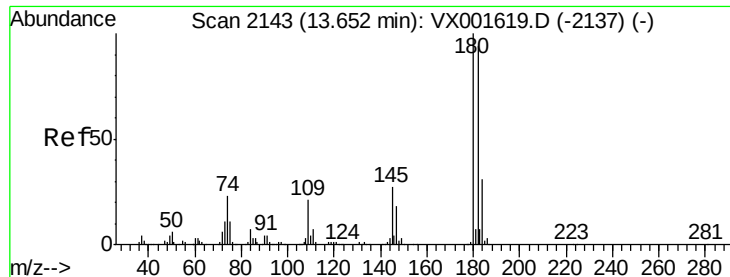


#88  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.00 ug/l  
 RT: 13.01 min Scan# 2037  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion: 75 Resp: 20661  
 Ion Ratio Lower Upper  
 75 100  
 155 99.8 79.8 119.8  
 157 131.8 105.4 158.2



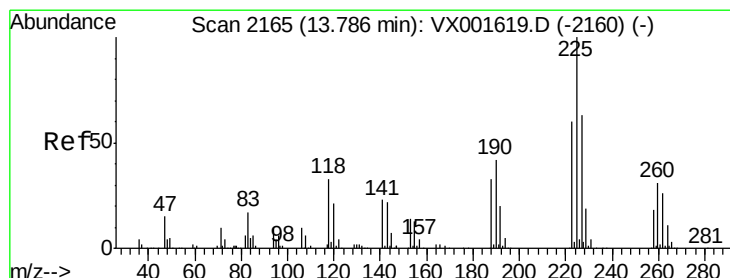
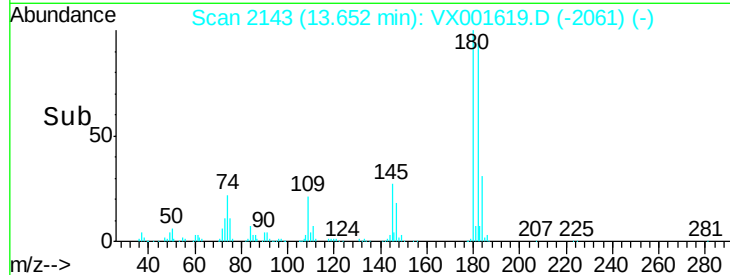
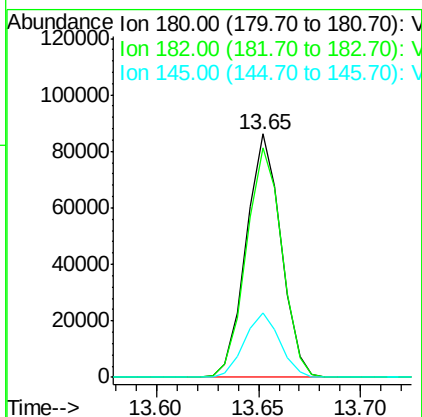
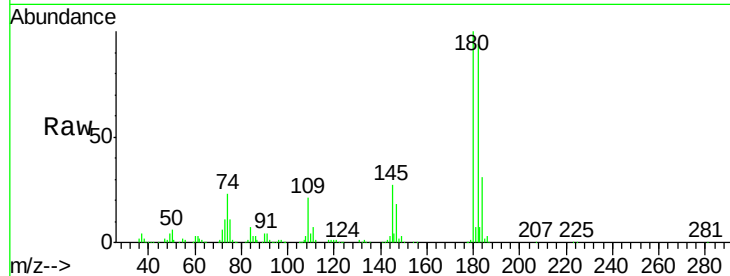




#89  
 1,2,4-Trichlorobenzene  
 Concen: 16.91 ug/l  
 RT: 13.65 min Scan# 2143  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

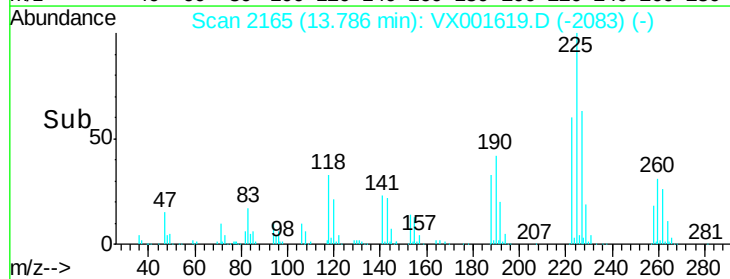
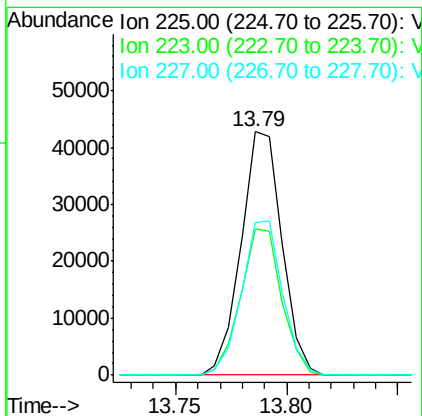
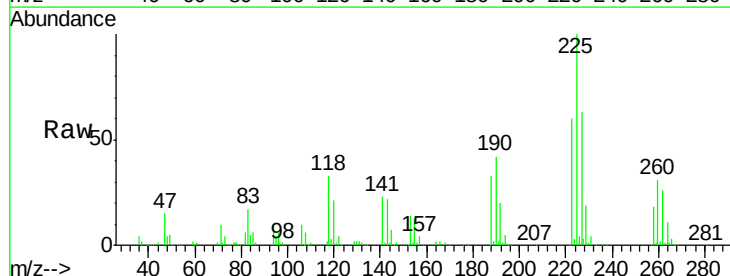
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC020

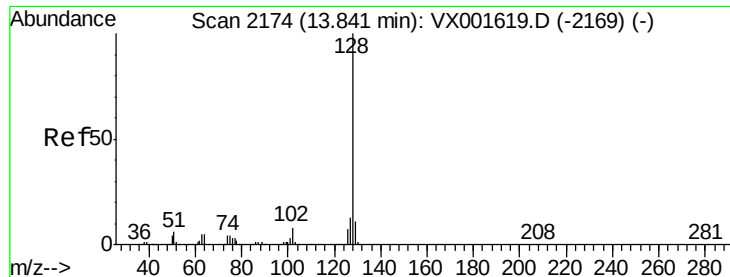
Tgt Ion:180 Resp: 102711  
 Ion Ratio Lower Upper  
 180 100  
 182 95.8 76.6 115.0  
 145 26.9 21.5 32.3



#90  
 Hexachlorobutadiene  
 Concen: 18.91 ug/l  
 RT: 13.79 min Scan# 2165  
 Delta R.T. 0.00 min  
 Lab File: VX001619.D  
 Acq: 10 May 2018 23:29

Tgt Ion:225 Resp: 55091  
 Ion Ratio Lower Upper  
 225 100  
 223 60.1 0.0 120.2  
 227 63.3 0.0 126.6

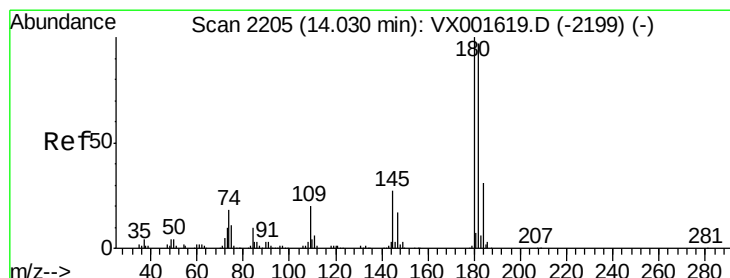
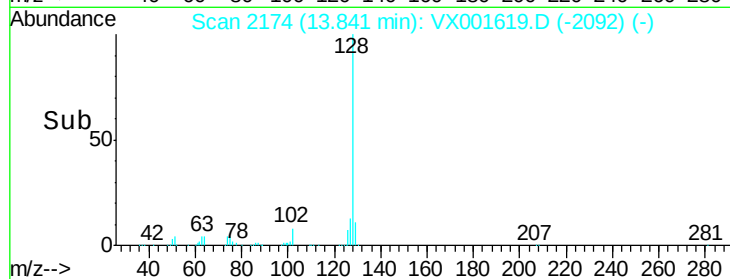
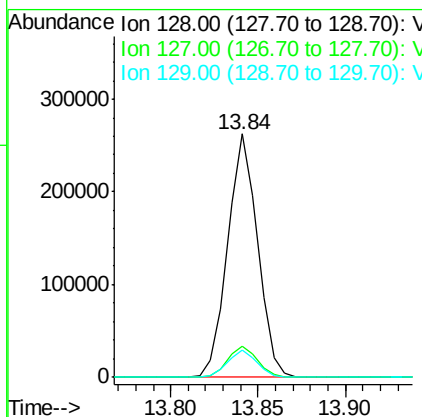
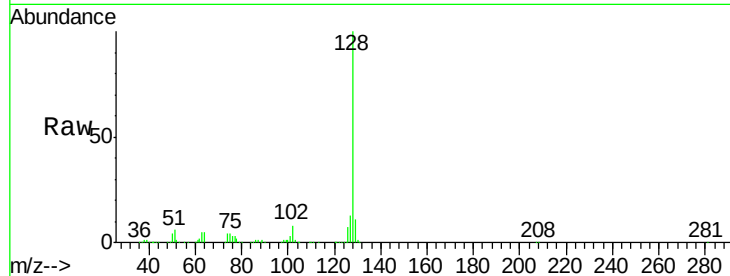




#91  
Naphthalene  
Concen: 19.31 ug/l  
RT: 13.84 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC020

Tgt Ion:128 Resp: 312230  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.3 15.5  
129 11.0 8.8 13.2



#92  
1,2,3-Trichlorobenzene  
Concen: 18.16 ug/l  
RT: 14.03 min Scan# 2205  
Delta R.T. 0.00 min  
Lab File: VX001619.D  
Acq: 10 May 2018 23:29

Tgt Ion:180 Resp: 110538  
Ion Ratio Lower Upper  
180 100  
182 96.1 0.0 192.2  
145 28.0 0.0 56.0

