

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\  
 Data File : VX009768.D  
 Acq On : 21 May 2019 23:11  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 22 07:11:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 154224   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 249460   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 230068   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 112689   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 111838   | 53.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.24% |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 79930    | 50.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.94% |      |
| 50) Toluene-d8            | 8.71   | 98  | 332251   | 52.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.96% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 121165   | 52.67 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.34% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 67746   | 47.668  | ug/l | 99     |
| 3) Chloromethane              | 1.32 | 50  | 102468  | 52.810  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.41 | 62  | 101607  | 53.702  | ug/l | 100    |
| 5) Bromomethane               | 1.64 | 94  | 68670   | 60.469  | ug/l | 97     |
| 6) Chloroethane               | 1.71 | 64  | 63385   | 52.179  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 121436  | 52.801  | ug/l | 99     |
| 8) Diethyl Ether              | 2.19 | 74  | 56728   | 52.072  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 71241   | 49.327  | ug/l | 99     |
| 10) Methyl Iodide             | 2.51 | 142 | 61774   | 38.024  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.06 | 59  | 130376  | 267.528 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 74989   | 51.821  | ug/l | 100    |
| 13) Acrolein                  | 2.29 | 56  | 97228   | 220.299 | ug/l | 100    |
| 14) Allyl chloride            | 2.73 | 41  | 184195  | 52.232  | ug/l | 99     |
| 15) Acrylonitrile             | 3.14 | 53  | 317734  | 266.652 | ug/l | 99     |
| 16) Acetone                   | 2.45 | 43  | 278840  | 246.655 | ug/l | 97     |
| 17) Carbon Disulfide          | 2.57 | 76  | 226444  | 55.737  | ug/l | 98     |
| 18) Methyl Acetate            | 2.78 | 43  | 137514  | 51.149  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 297023  | 52.857  | ug/l | 100    |
| 20) Methylene Chloride        | 2.85 | 84  | 92614   | 50.597  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 82841   | 52.787  | ug/l | 98     |
| 22) Diisopropyl ether         | 3.85 | 45  | 362282  | 53.419  | ug/l | 96     |
| 23) Vinyl Acetate             | 3.81 | 43  | 1643251 | 282.958 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 172780  | 51.644  | ug/l | 99     |
| 25) 2-Butanone                | 4.67 | 43  | 479738  | 273.084 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 106185  | 42.640  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.59 | 96  | 95588   | 51.029  | ug/l | 99     |
| 28) Bromochloromethane        | 5.02 | 49  | 84659   | 63.607  | ug/l | 98     |
| 29) Tetrahydrofuran           | 5.13 | 42  | 318588  | 281.823 | ug/l | 98     |
| 30) Chloroform                | 5.21 | 83  | 159139  | 52.593  | ug/l | 99     |
| 31) Cyclohexane               | 5.58 | 56  | 168402  | 54.103  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 132469  | 52.590  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.80 | 75  | 121813  | 52.545  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.84 | 43  | 182462  | 56.489  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 111353  | 52.867  | ug/l | 98     |

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Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VSTDCCC050EC

Quant Time: May 22 07:11:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 146881   | 51.591   | ug/l   | 97       |
| 40) Benzene                    | 6.14  | 78   | 376454   | 52.470   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.04  | 41   | 102745   | 53.437   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.19  | 62   | 138938   | 53.985   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 6.45  | 43   | 287343   | 55.615   | ug/l   | 99       |
| 44) Trichloroethene            | 7.21  | 130  | 88993    | 51.308   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 108369   | 53.343   | ug/l   | 96       |
| 46) Dibromomethane             | 7.66  | 93   | 60511    | 51.292   | ug/l   | 99       |
| 47) Bromodichloromethane       | 7.90  | 83   | 125033   | 53.131   | ug/l   | 96       |
| 48) Methyl methacrylate        | 7.77  | 41   | 146501   | 57.154   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 7.74  | 88   | 52805    | 1015.814 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 8.64  | 43   | 962179   | 284.921  | ug/l   | 98       |
| 52) Toluene                    | 8.79  | 92   | 231932   | 53.180   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 143065   | 53.847   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 156141   | 53.095   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 93091    | 52.320   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 174818   | 55.042   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 165998   | 53.016   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 428412   | 254.264  | ug/l   | 99       |
| 59) 2-Hexanone                 | 9.49  | 43   | 739214   | 278.711  | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.58  | 129  | 93847    | 54.004   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 95218    | 53.015   | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 79771    | 50.547   | ug/l   | 99       |
| 65) Chlorobenzene              | 10.13 | 112  | 239310   | 51.997   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 86345    | 51.748   | ug/l   | 100      |
| 67) Ethyl Benzene              | 10.25 | 91   | 446337   | 52.695   | ug/l   | 100      |
| 68) m/p-Xylenes                | 10.36 | 106  | 327563   | 105.827  | ug/l   | 98       |
| 69) o-Xylene                   | 10.69 | 106  | 159818   | 52.332   | ug/l   | 99       |
| 70) Styrene                    | 10.71 | 104  | 281764   | 53.083   | ug/l   | 99       |
| 71) Bromoform                  | 10.85 | 173  | 72613    | 53.551   | ug/l # | 100      |
| 73) Isopropylbenzene           | 11.02 | 105  | 426010   | 51.987   | ug/l   | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 263434   | 55.140   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 155934   | 51.045   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 184850   | 70.716   | ug/l   | 81       |
| 77) Bromobenzene               | 11.26 | 156  | 106188   | 52.208   | ug/l   | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 488603   | 52.209   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 294786   | 51.056   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 361092   | 52.333   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 50906    | 49.828   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 340997   | 52.278   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 347724   | 51.805   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 362901   | 52.399   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 406552   | 51.089   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 370544   | 51.795   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 185438   | 51.143   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 184217   | 50.394   | ug/l   | 100      |
| 89) n-Butylbenzene             | 12.38 | 91   | 335310   | 51.857   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 63691    | 52.257   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 186168   | 50.410   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 36310    | 52.985   | ug/l   | 97       |

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Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Quant Time: May 22 07:11:05 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration

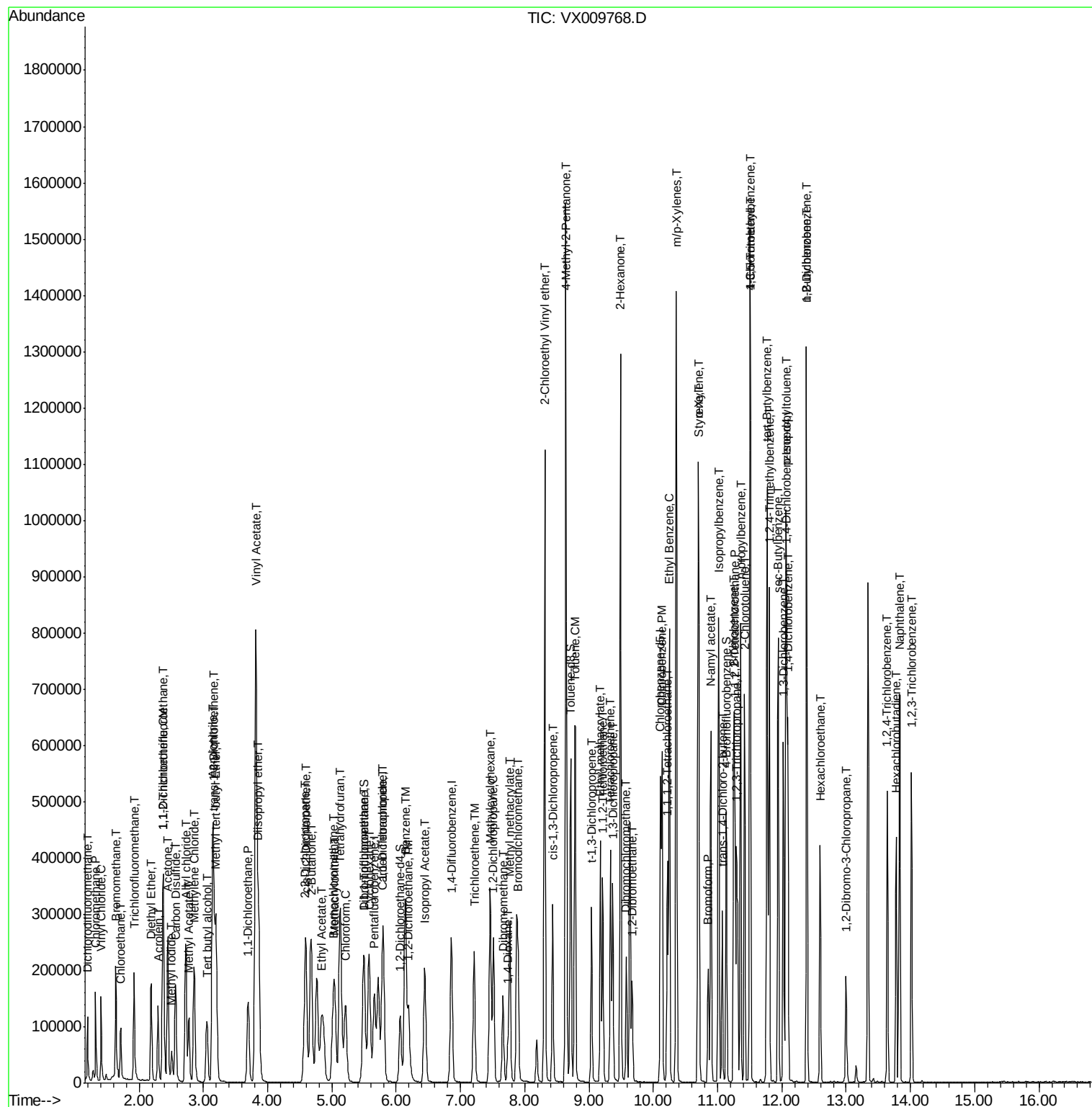
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 128583   | 50.915 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 64825    | 50.265 | ug/l  | 99       |
| 95) Naphthalene            | 13.83 | 128  | 427875   | 52.076 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 132402   | 51.720 | ug/l  | 99       |

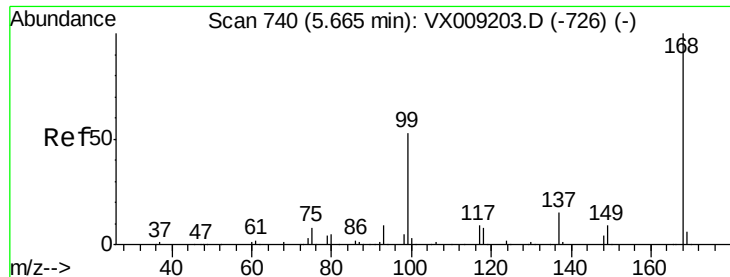
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\WX052119\  
 Data File : VX009768.D  
 Acq On : 21 May 2019 23:11  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
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Quant Time: May 22 07:11:05 2019  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

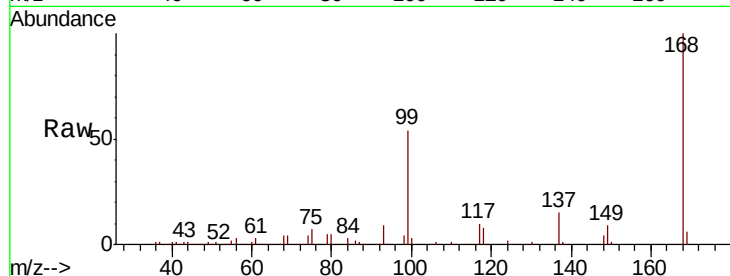
VSTDCCC050EC

Tot Ion:168 Resp: 154224

Ion Ratio Lower Upper

168 100

99 53.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

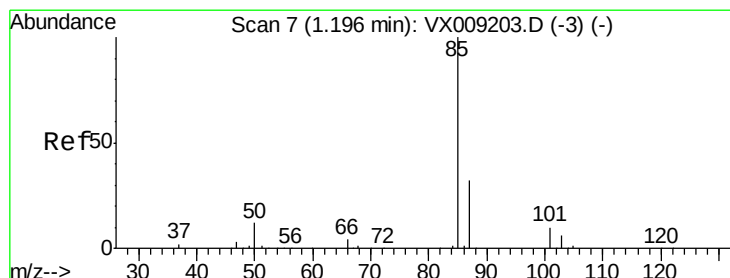
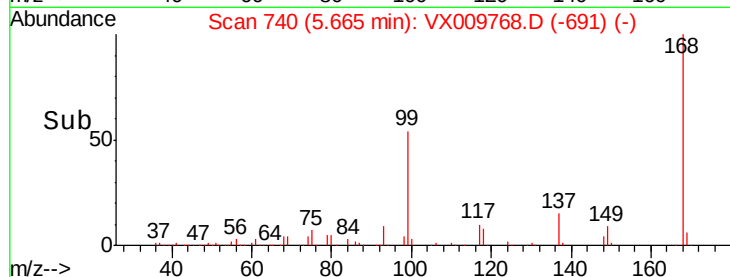
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.668 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009768.D

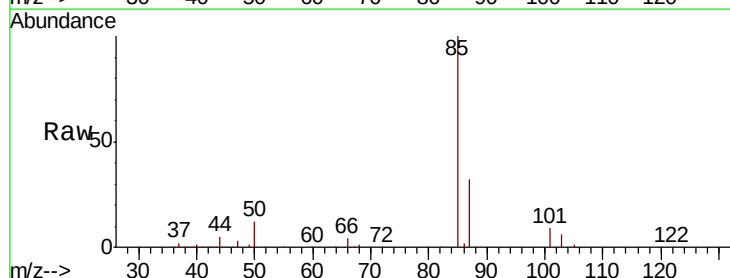
Acq: 21 May 2019 23:11

Tgt Ion: 85 Resp: 67746

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

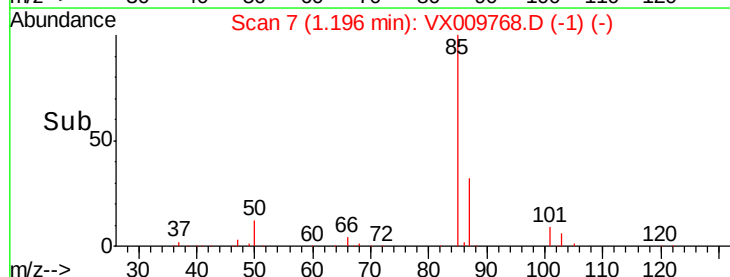
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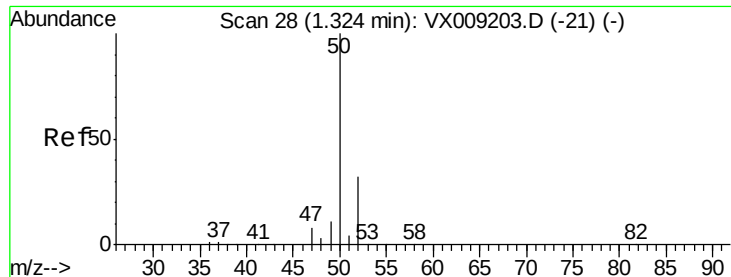
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20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 52.810 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

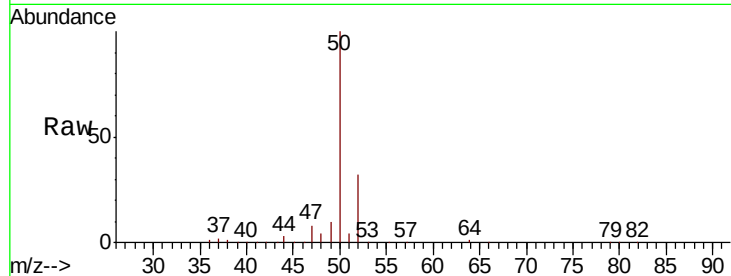
VSTDCCC050EC

Tot Ion: 50 Resp: 102468

Ion Ratio Lower Upper

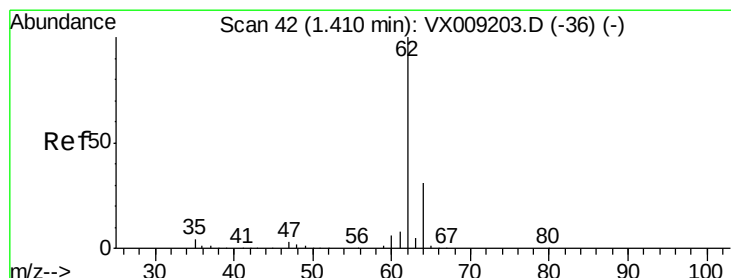
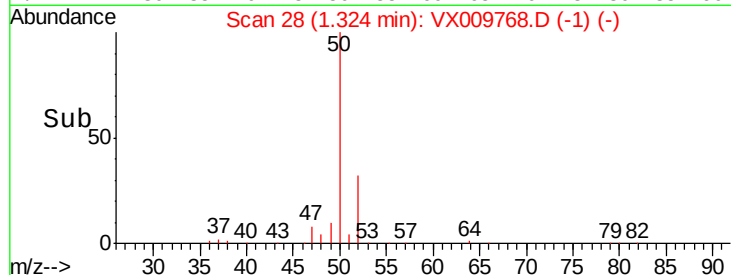
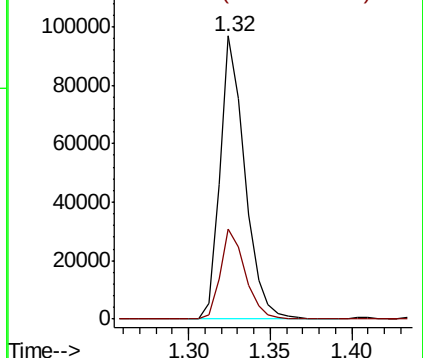
50 100

52 31.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.702 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009768.D

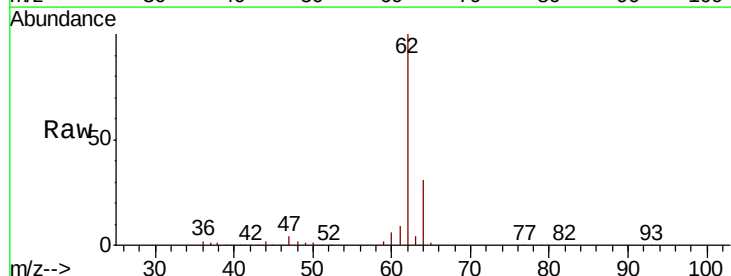
Acq: 21 May 2019 23:11

Tgt Ion: 62 Resp: 101607

Ion Ratio Lower Upper

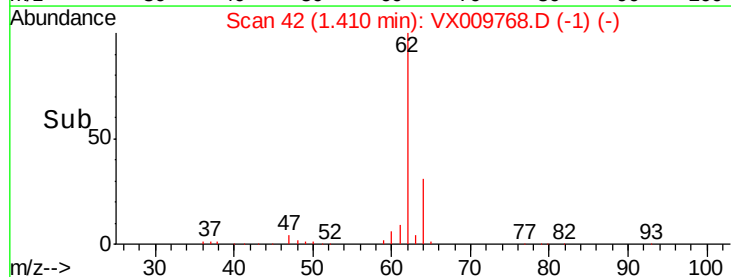
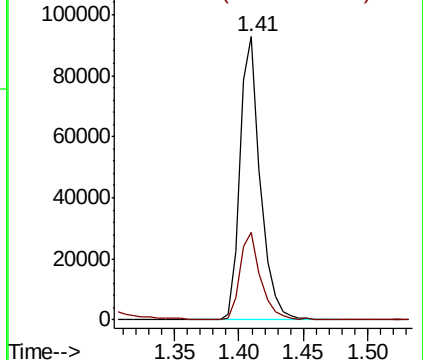
62 100

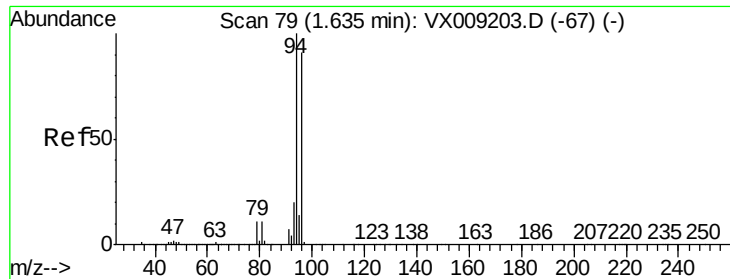
64 31.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 60.469 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

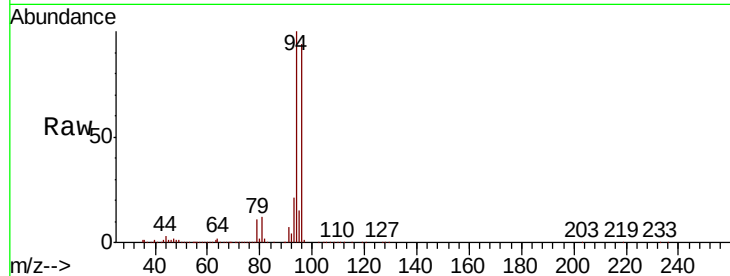
VSTDCCC050EC

Tot Ion: 94 Resp: 68670

Ion Ratio Lower Upper

94 100

96 93.8 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

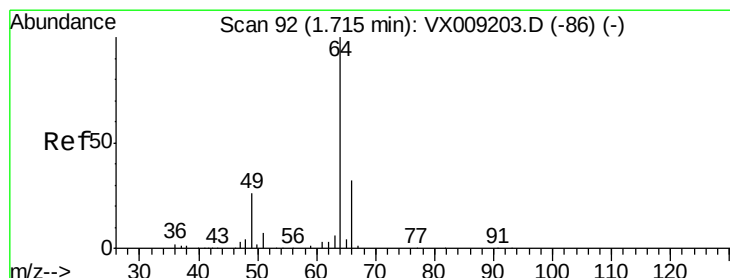
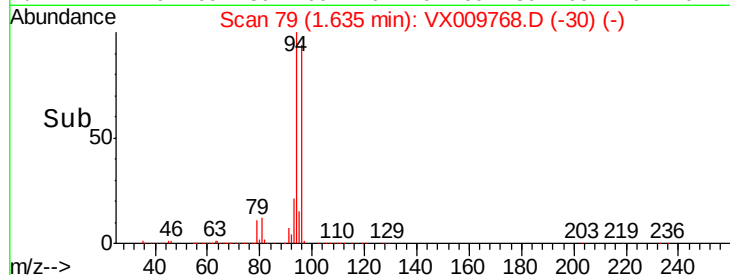
40000

20000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 52.179 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009768.D

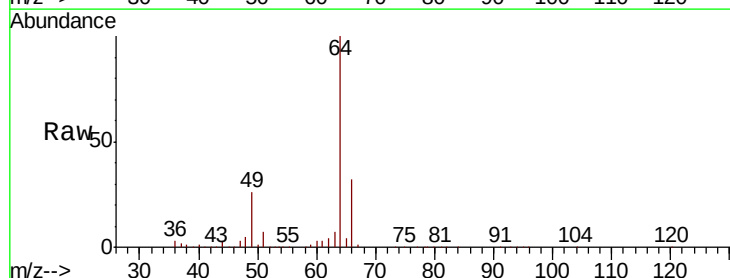
Acq: 21 May 2019 23:11

Tgt Ion: 64 Resp: 63385

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

30000

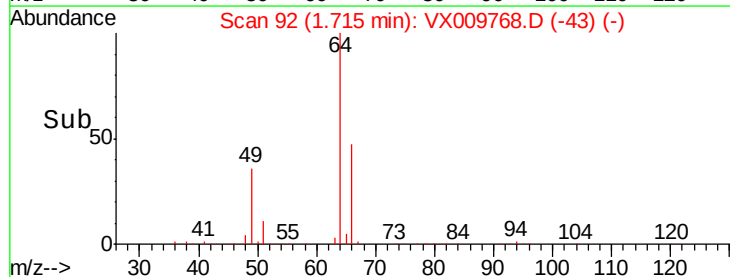
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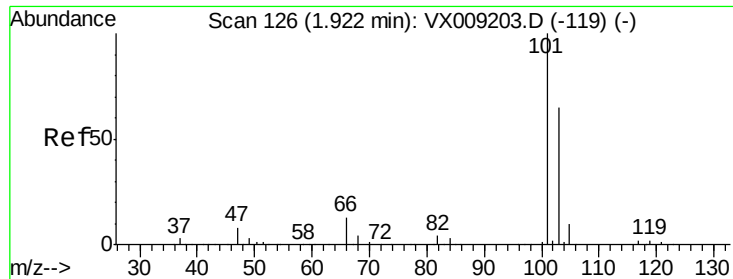
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0

1.65 1.70 1.75 1.80

Time-->



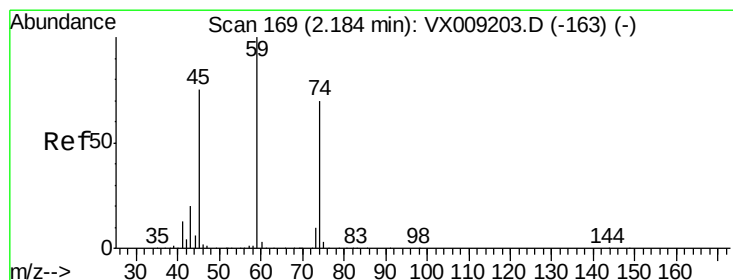
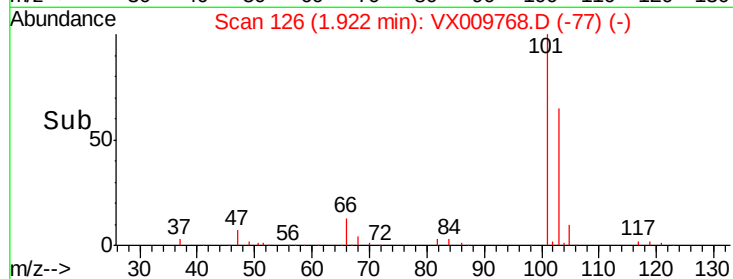
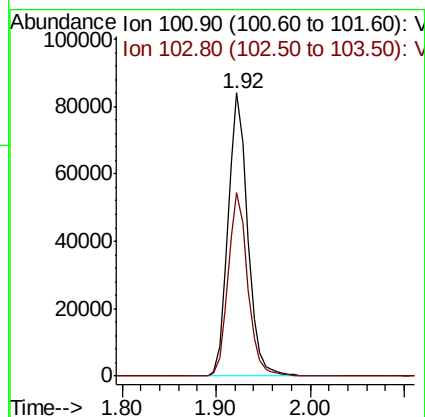
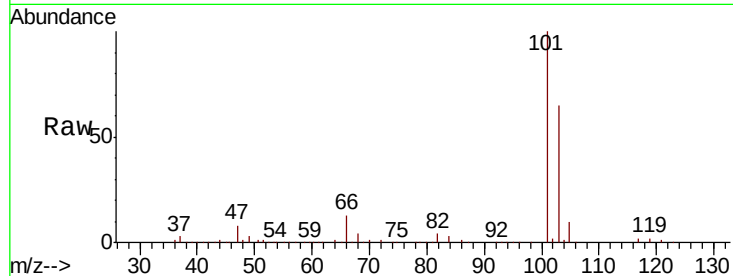


#7

Trichlorofluoromethane  
 Concen: 52.801 ug/l  
 RT: 1.92 min Scan# 126  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

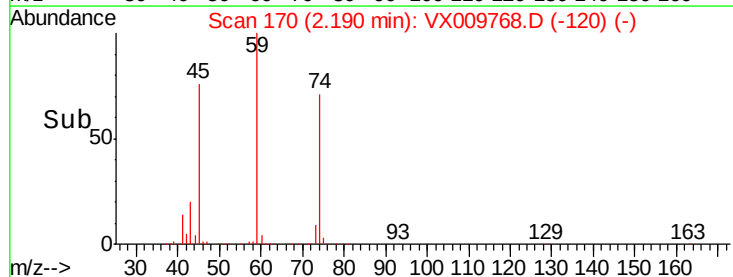
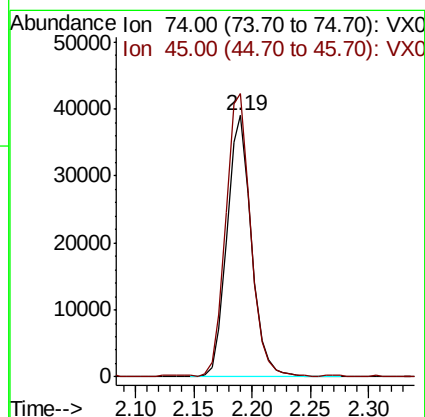
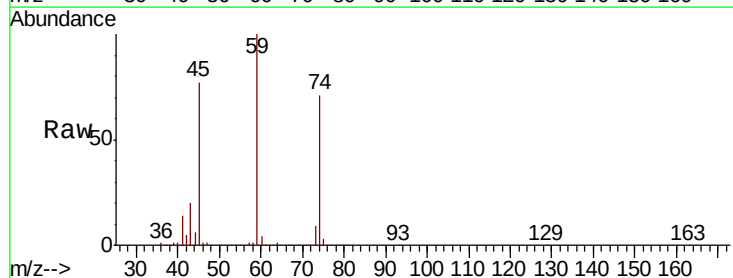
Tot Ion:101 Resp: 121436  
 Ion Ratio Lower Upper  
 101 100  
 103 64.8 52.4 78.6



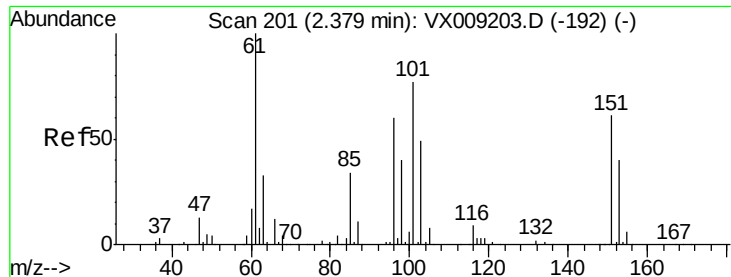
#8

Diethyl Ether  
 Concen: 52.072 ug/l  
 RT: 2.19 min Scan# 170  
 Delta R.T. 0.01 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Tgt Ion: 74 Resp: 56728  
 Ion Ratio Lower Upper  
 74 100  
 45 109.4 53.3 159.9







#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.327 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

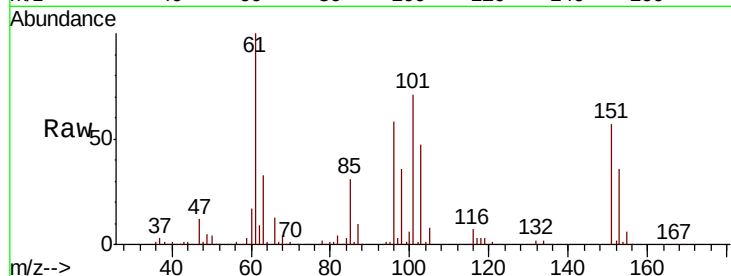
Tot Ion:101 Resp: 71241

Ion Ratio Lower Upper

101 100

85 45.0 35.7 53.5

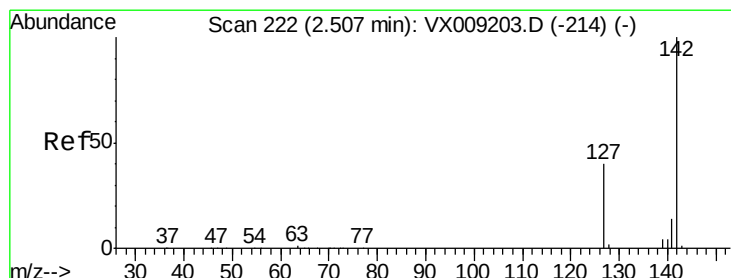
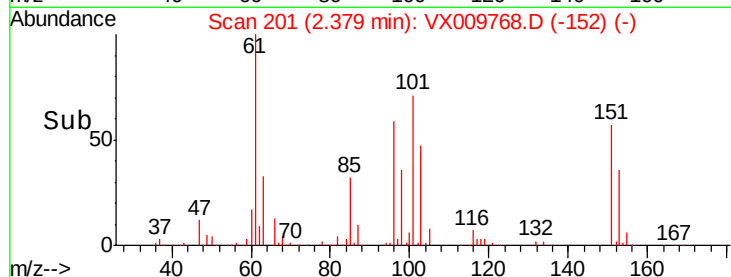
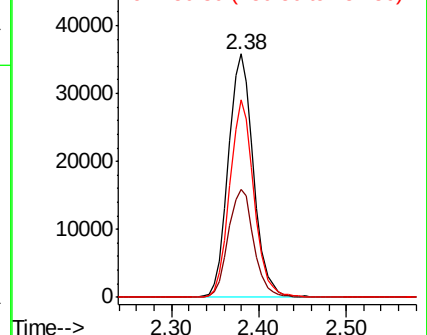
151 78.5 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.024 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

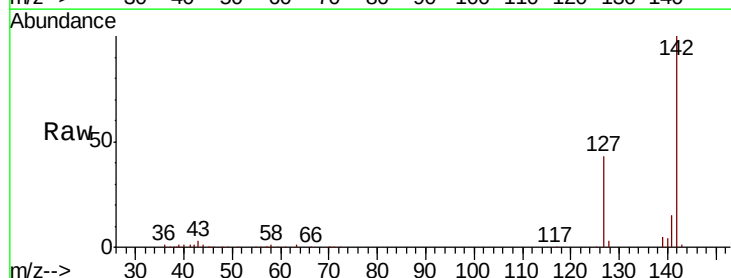
Tgt Ion:142 Resp: 61774

Ion Ratio Lower Upper

142 100

127 41.8 32.7 49.1

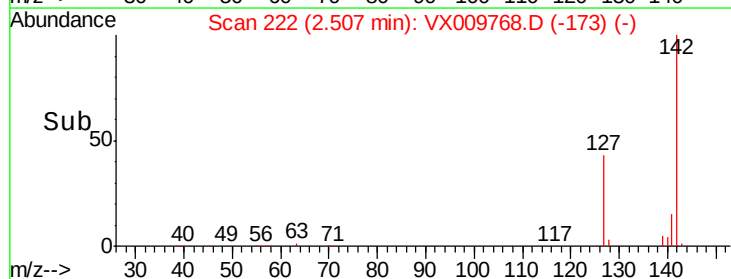
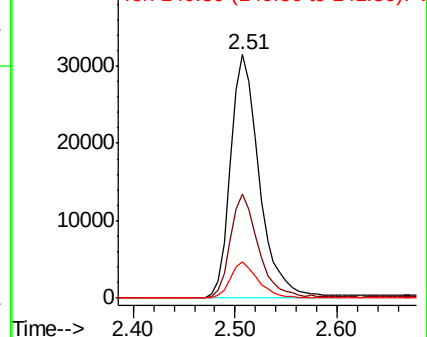
141 14.3 11.5 17.3

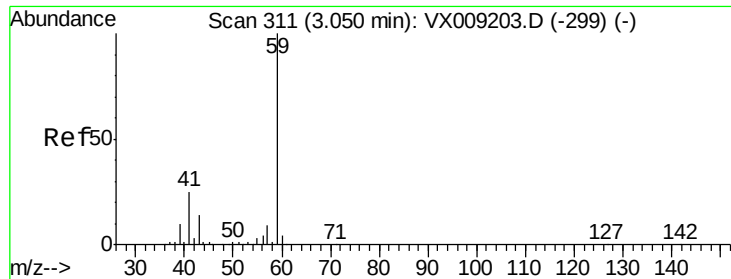


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

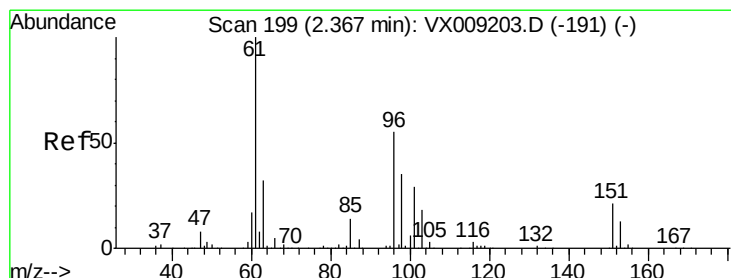
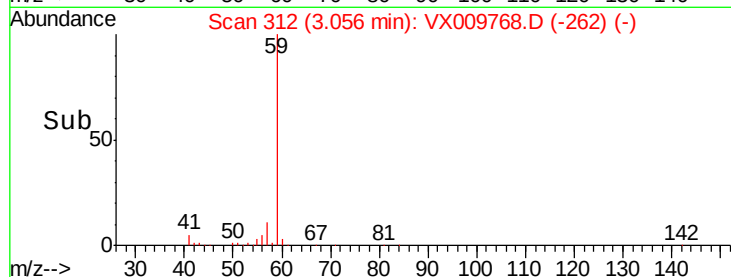
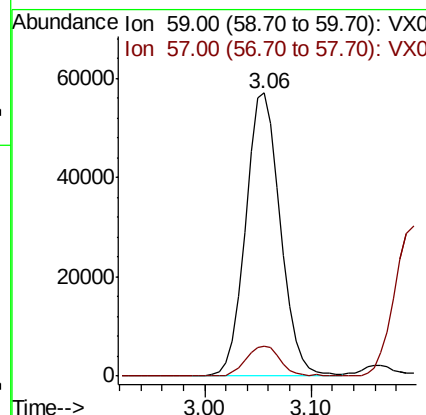
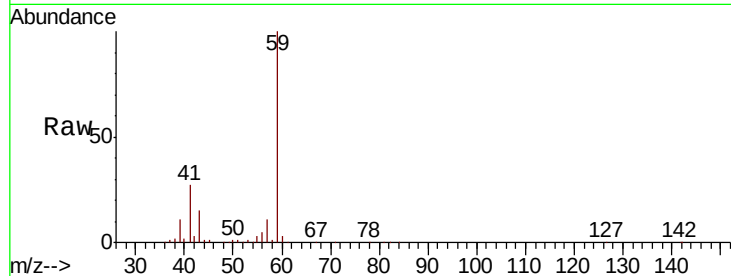




#11  
Tert butyl alcohol  
Concen: 267.528 ug/l  
RT: 3.06 min Scan# 312  
Delta R.T. 0.01 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

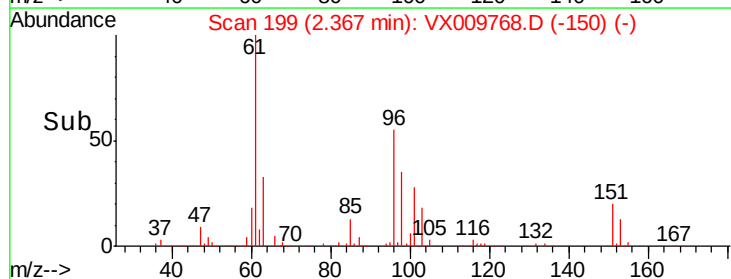
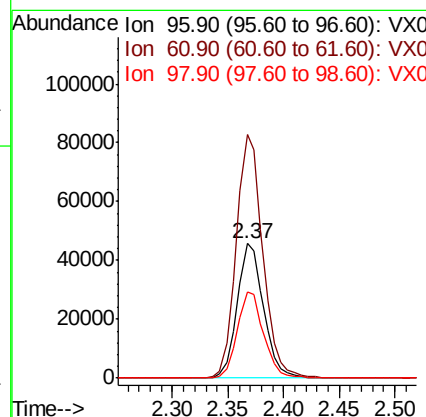
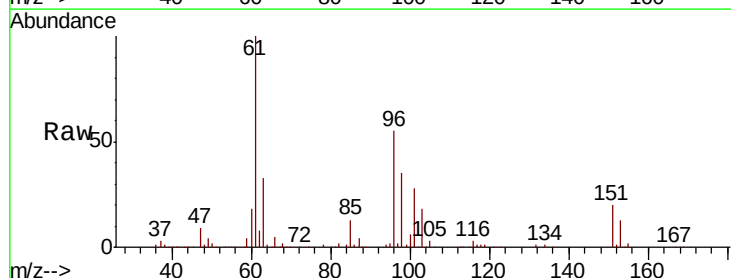
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

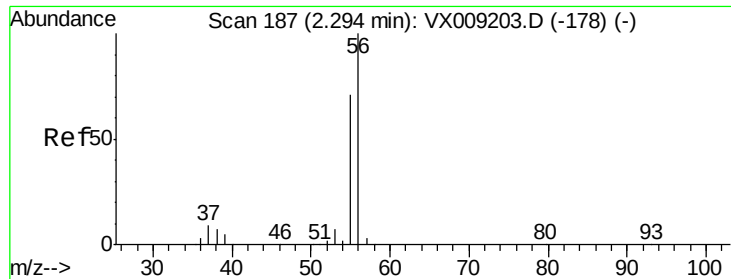
Tot Ion: 59 Resp: 130376  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.2 12.2



#12  
1,1-Dichloroethene  
Concen: 51.821 ug/l  
RT: 2.37 min Scan# 199  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion: 96 Resp: 74989  
Ion Ratio Lower Upper  
96 100  
61 180.7 144.3 216.5  
98 63.7 50.3 75.5

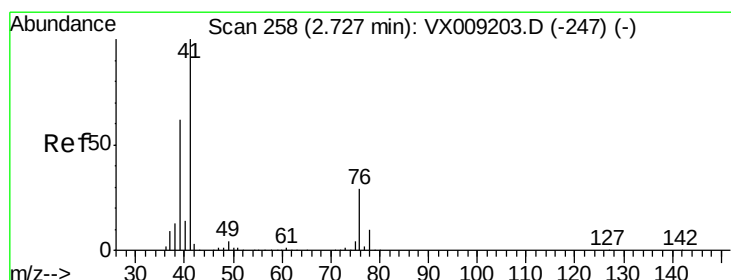
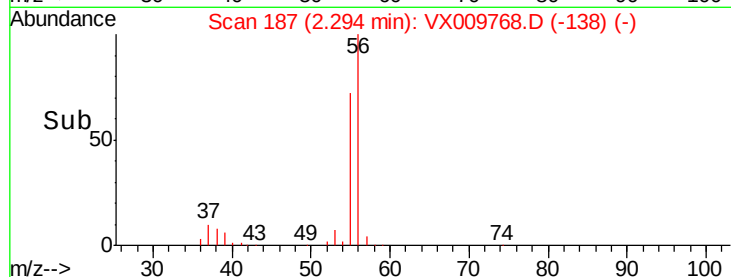
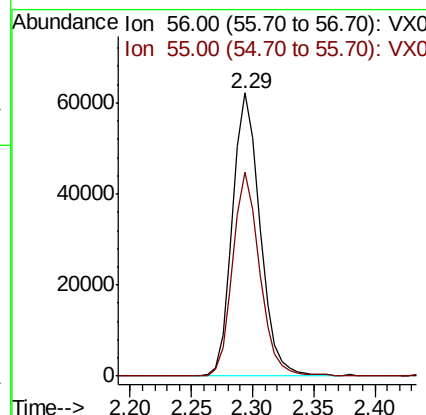
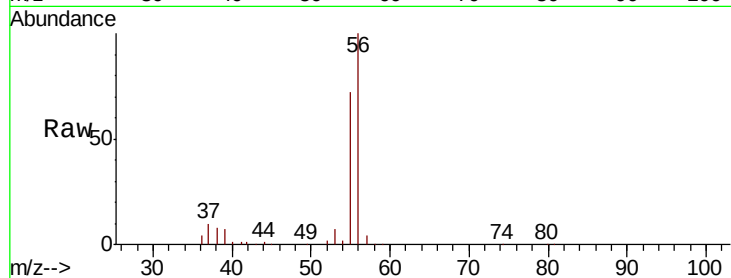




#13  
 Acrolein  
 Concen: 220.299 ug/l  
 RT: 2.29 min Scan# 187  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

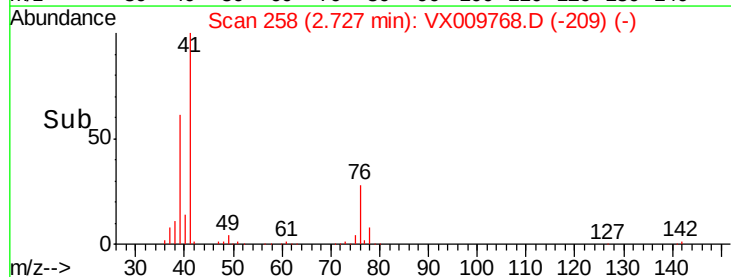
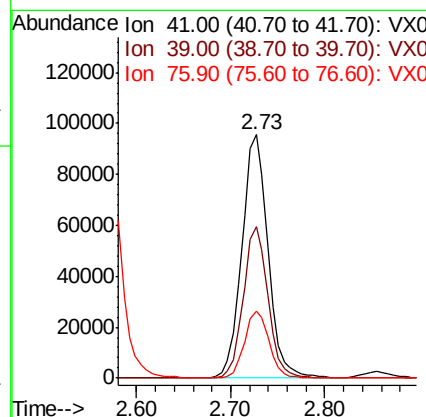
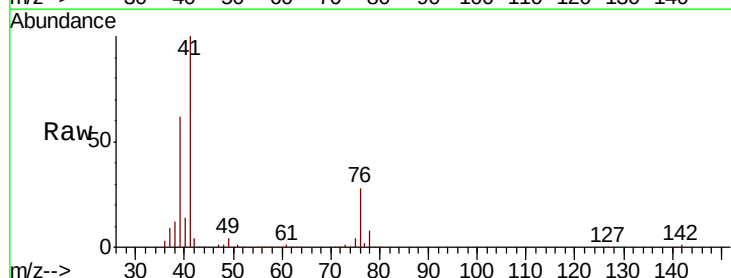
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

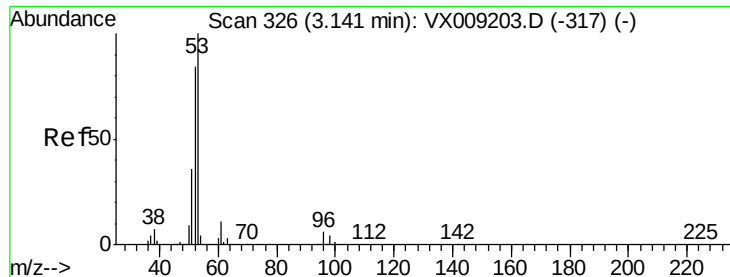
Tot Ion: 56 Resp: 97228  
 Ion Ratio Lower Upper  
 56 100  
 55 70.7 56.6 85.0



#14  
 Allyl chloride  
 Concen: 52.232 ug/l  
 RT: 2.73 min Scan# 258  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Tgt Ion: 41 Resp: 184195  
 Ion Ratio Lower Upper  
 41 100  
 39 58.9 46.7 70.1  
 76 26.1 21.8 32.8





#15

Acrylonitrile

Concen: 266.652 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

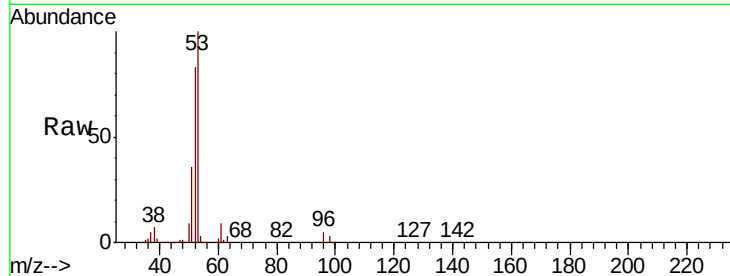
Tot Ion: 53 Resp: 317734

Ion Ratio Lower Upper

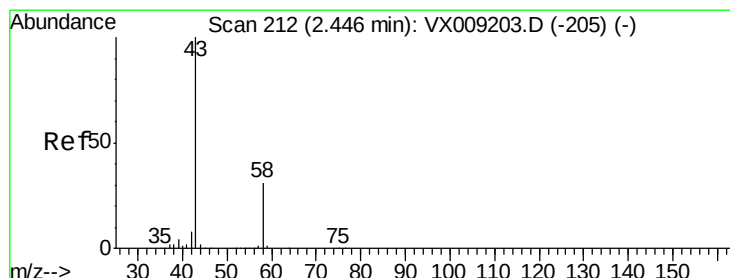
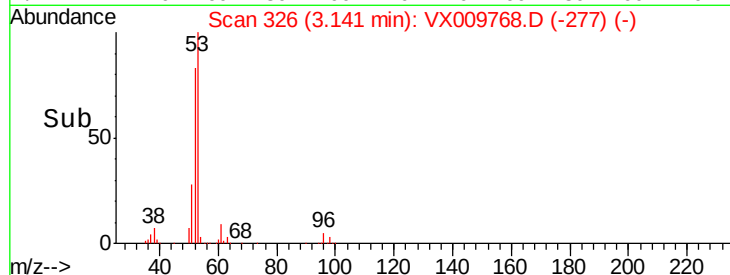
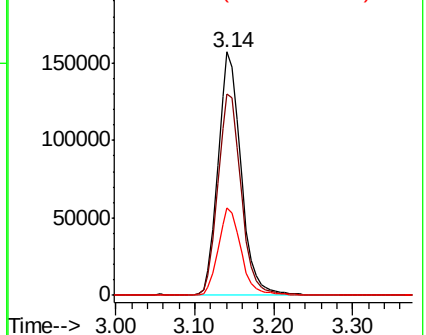
53 100

52 84.0 66.9 100.3

51 35.8 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0  
Ion 52.00 (51.70 to 52.70): VX0  
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 246.655 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009768.D

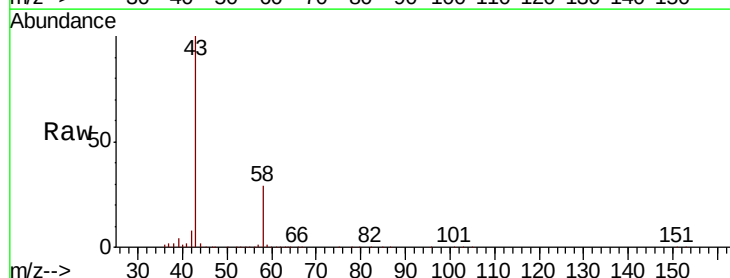
Acq: 21 May 2019 23:11

Tgt Ion: 43 Resp: 278840

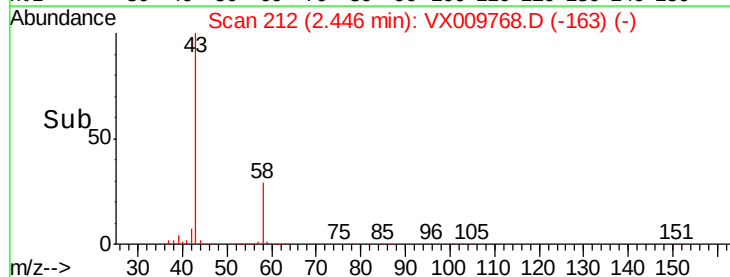
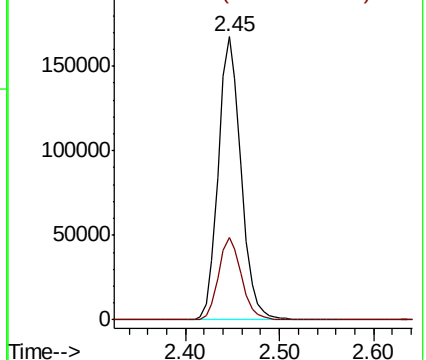
Ion Ratio Lower Upper

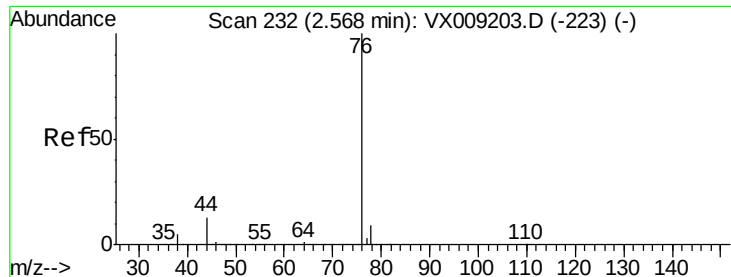
43 100

58 29.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 55.737 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

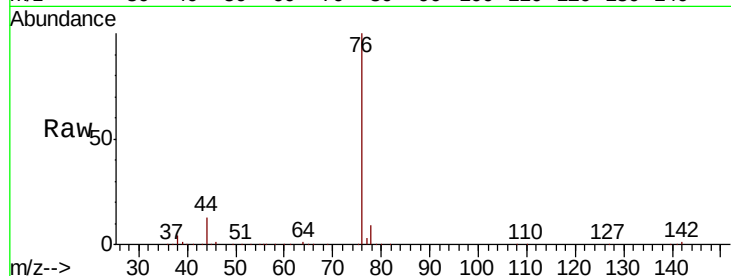
VSTDCCC050EC

Tot Ion: 76 Resp: 226444

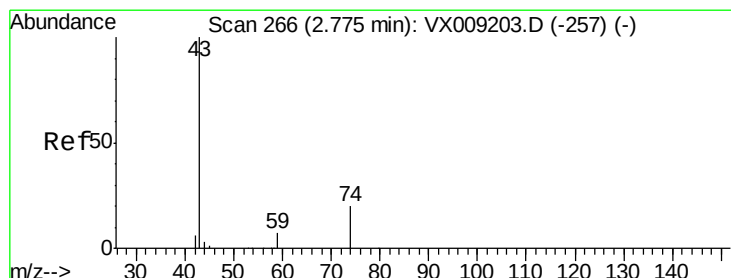
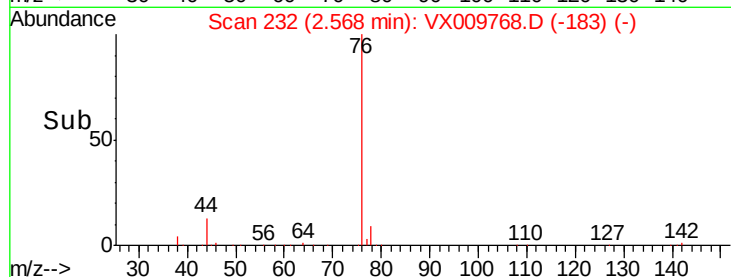
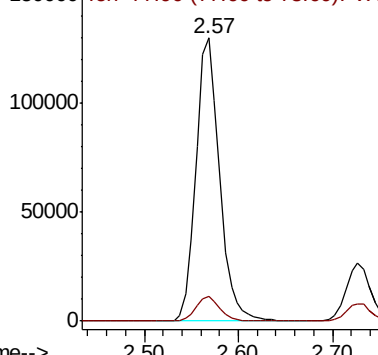
Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0  
Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.149 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009768.D

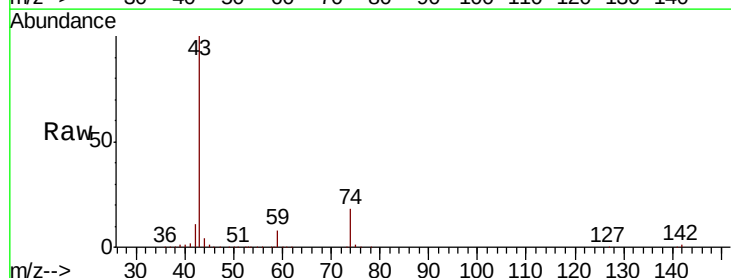
Acq: 21 May 2019 23:11

Tgt Ion: 43 Resp: 137514

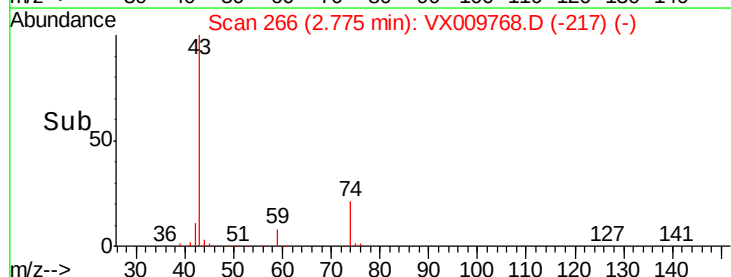
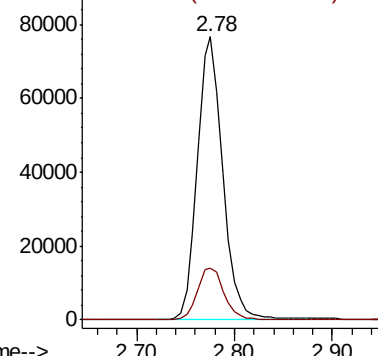
Ion Ratio Lower Upper

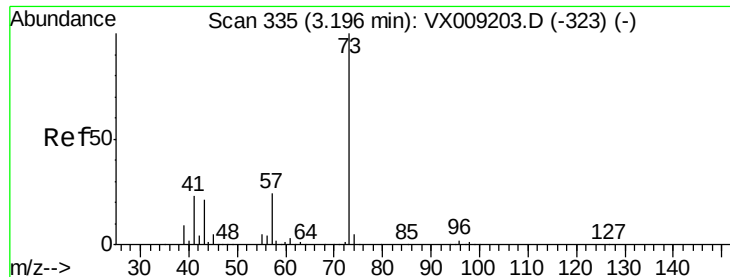
43 100

74 18.7 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 74.00 (73.70 to 74.70): VX0



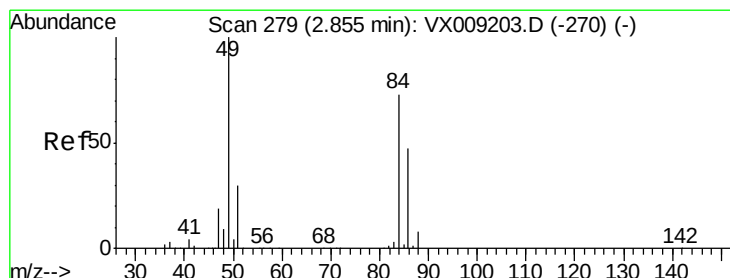
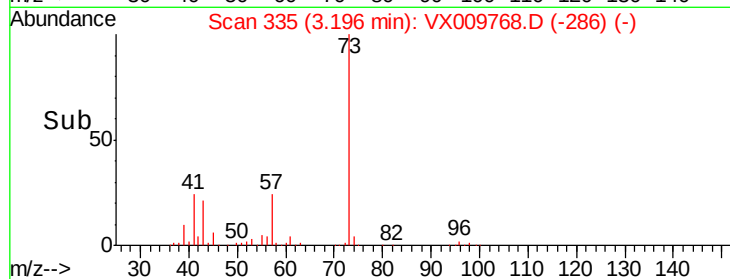
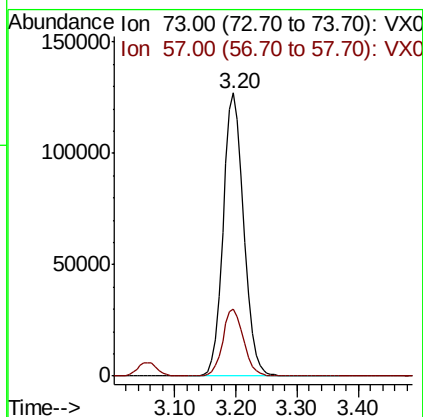
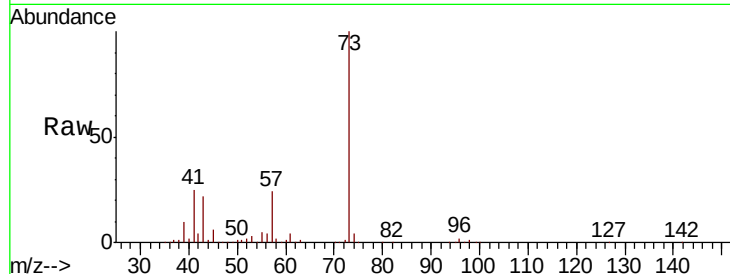


#19

Methyl tert-butyl Ether  
 Concen: 52.857 ug/l  
 RT: 3.20 min Scan# 335  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

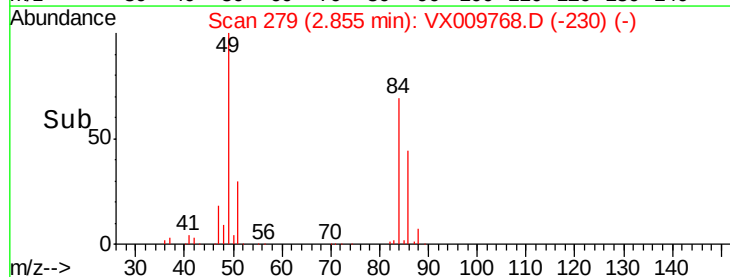
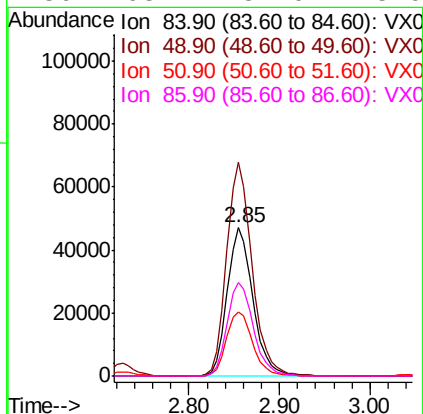
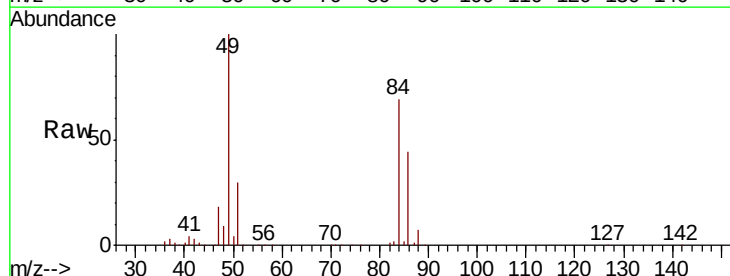
Tot Ion: 73 Resp: 297023  
 Ion Ratio Lower Upper  
 73 100  
 57 23.9 19.3 28.9

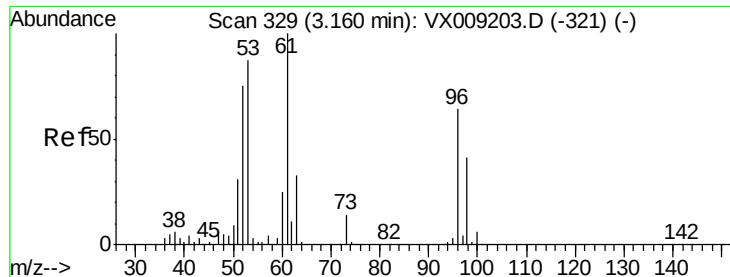


#20

Methylene Chloride  
 Concen: 50.597 ug/l  
 RT: 2.85 min Scan# 279  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Tgt Ion: 84 Resp: 92614  
 Ion Ratio Lower Upper  
 84 100  
 49 143.8 109.9 164.9  
 51 42.8 32.7 49.1  
 86 63.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 52.787 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

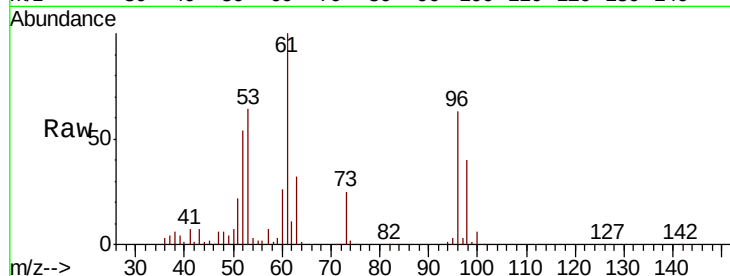
Tot Ion: 96 Resp: 82841

Ion Ratio Lower Upper

96 100

61 159.1 124.5 186.7

98 63.2 50.4 75.6

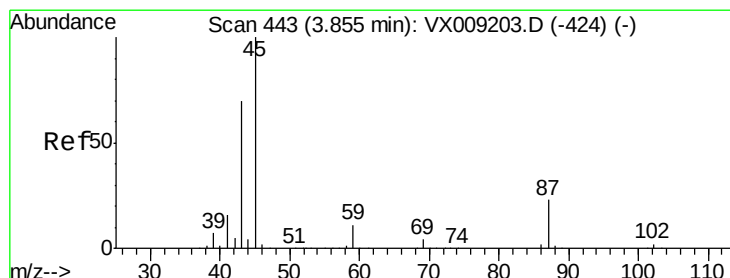
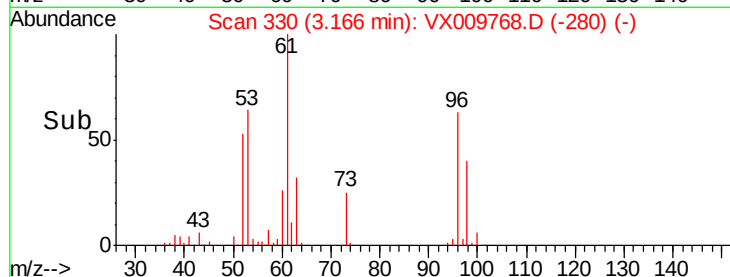
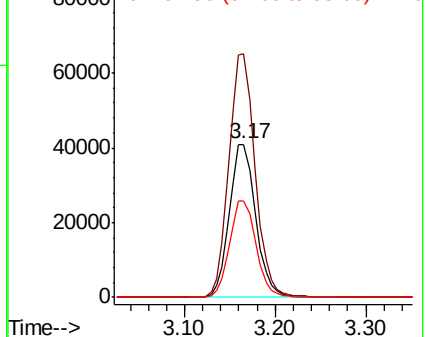


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.419 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Tgt Ion: 45 Resp: 362282

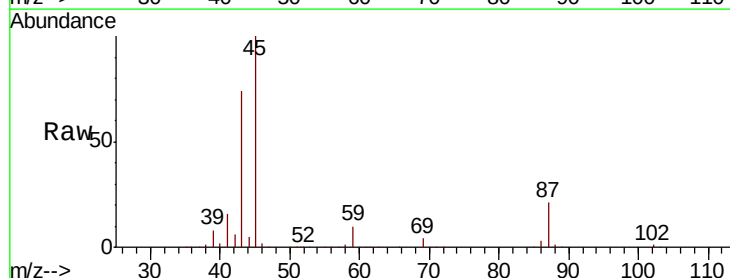
Ion Ratio Lower Upper

45 100

43 73.7 56.1 84.1

87 21.4 18.1 27.1

59 10.2 8.5 12.7



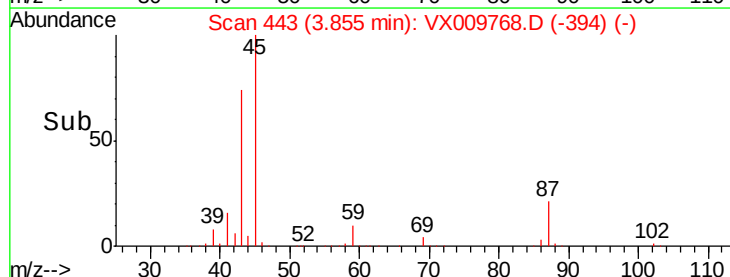
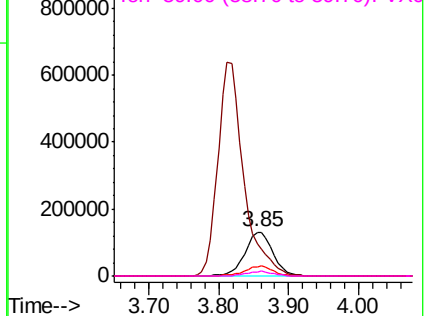
Abundance

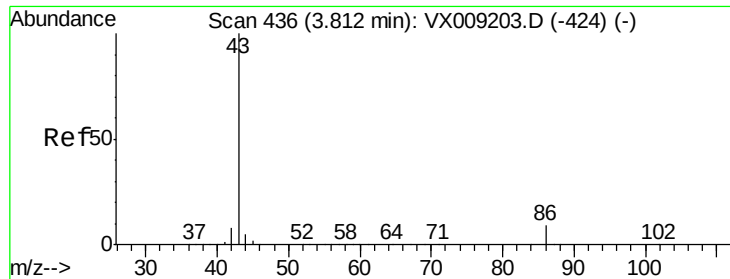
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 282.958 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

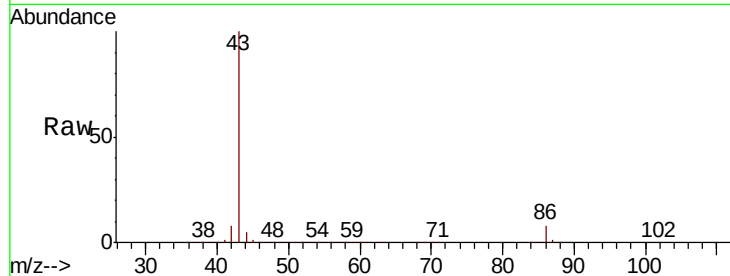
VSTDCCC050EC

Tot Ion: 43 Resp: 1643251

Ion Ratio Lower Upper

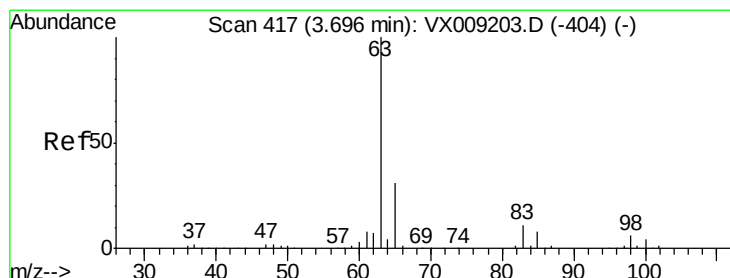
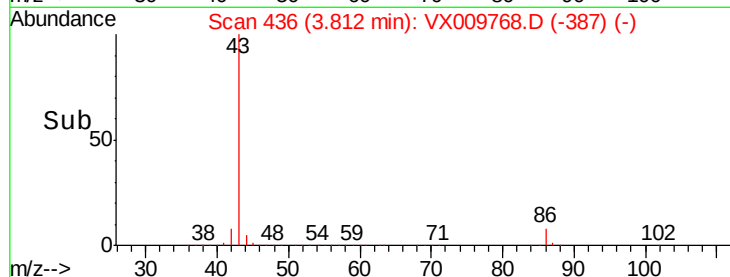
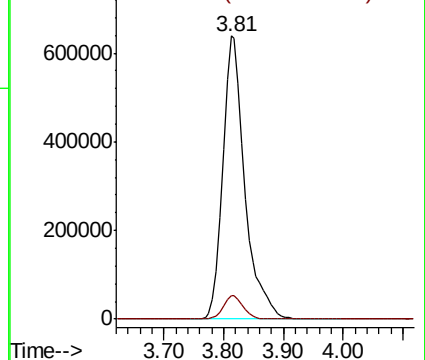
43 100

86 8.2 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.644 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

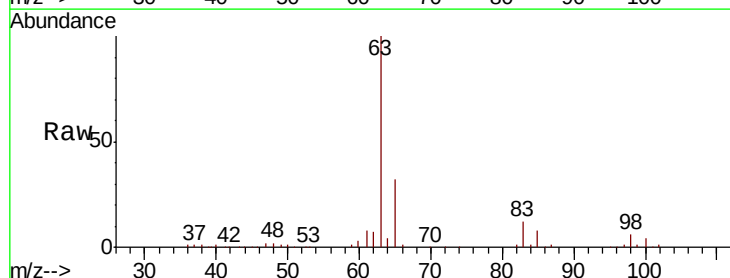
Tgt Ion: 63 Resp: 172780

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

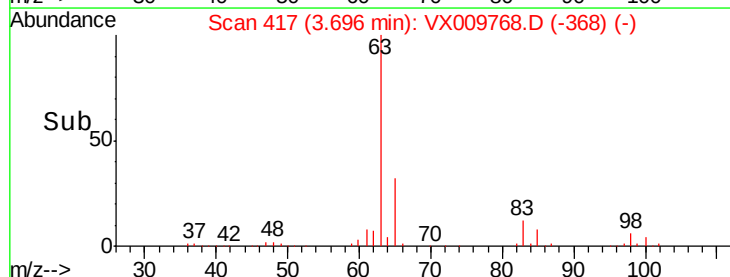
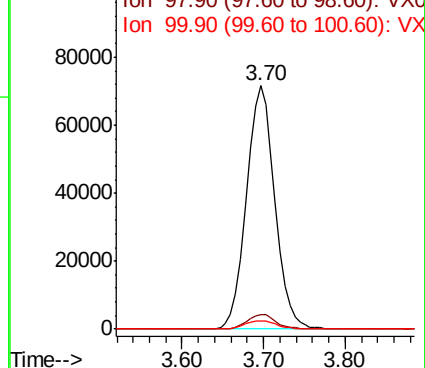
100 3.5 2.0 6.0



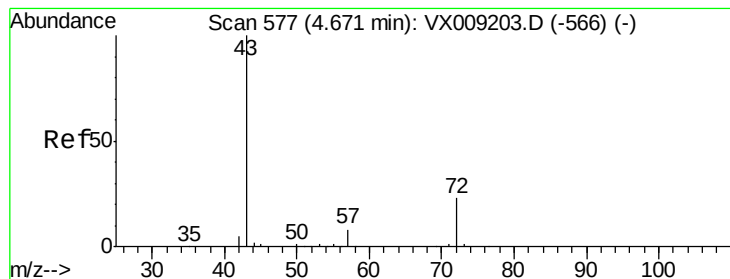
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0







#25

2-Butanone

Concen: 273.084 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

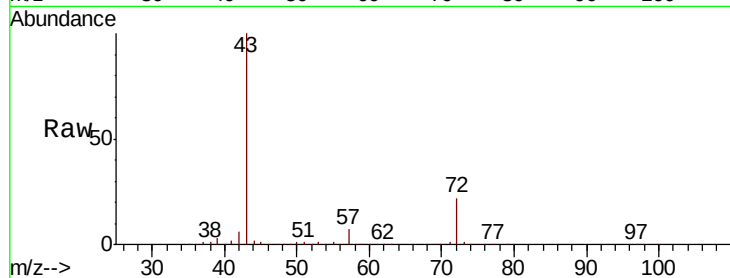
VSTDCCC050EC

Tot Ion: 43 Resp: 479738

Ion Ratio Lower Upper

43 100

72 21.6 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

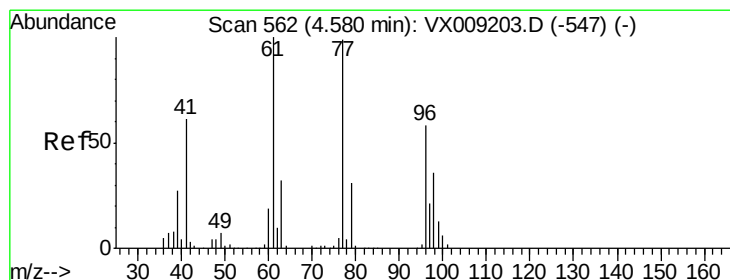
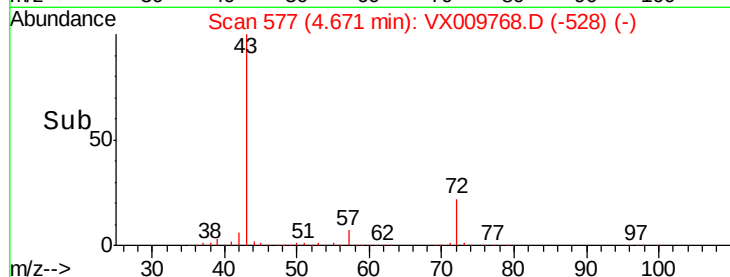
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 42.640 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009768.D

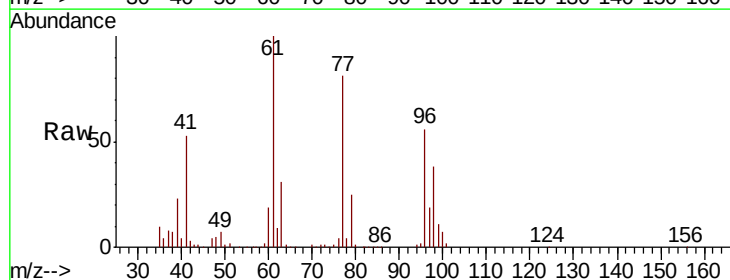
Acq: 21 May 2019 23:11

Tgt Ion: 77 Resp: 106185

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

40000

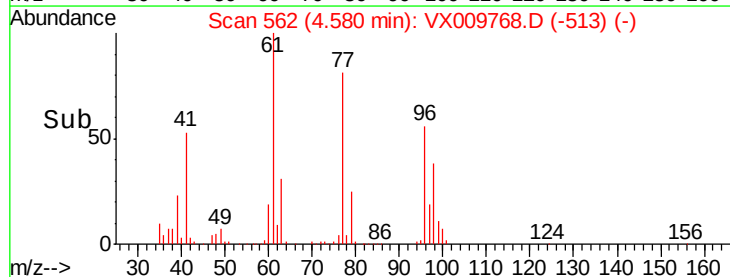
30000

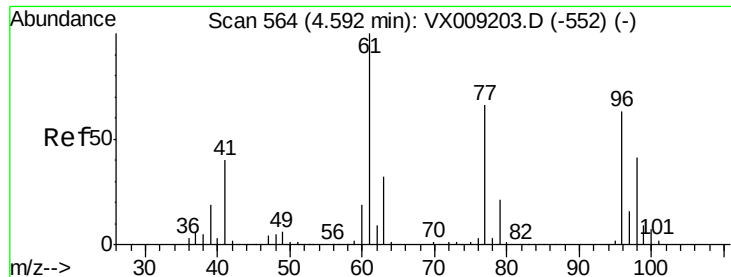
20000

10000

0

Time-->



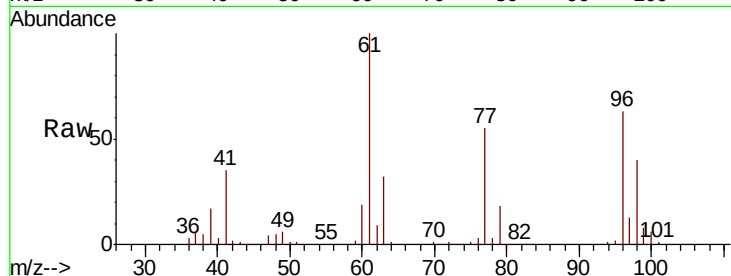


#27

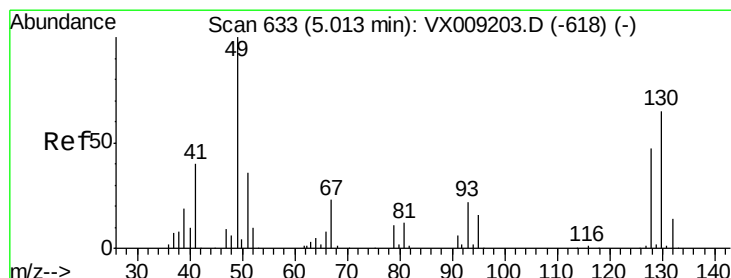
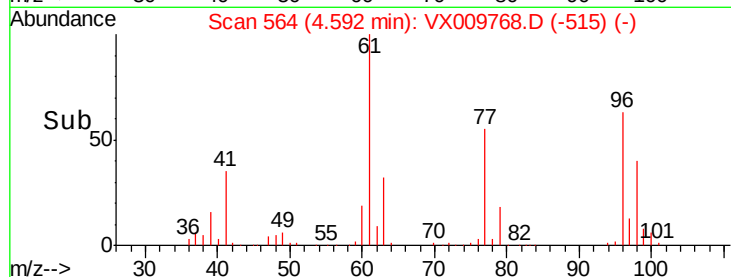
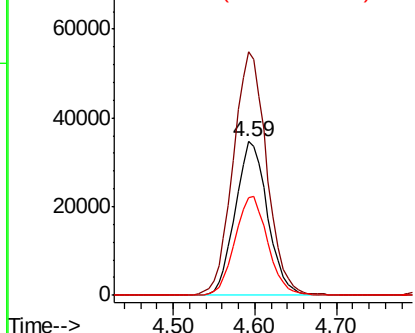
cis-1,2-Dichloroethene  
 Concen: 51.029 ug/l  
 RT: 4.59 min Scan# 564  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 96 Resp: 95588  
 Ion Ratio Lower Upper  
 96 100  
 61 163.6 0.0 324.0  
 98 65.2 0.0 130.4



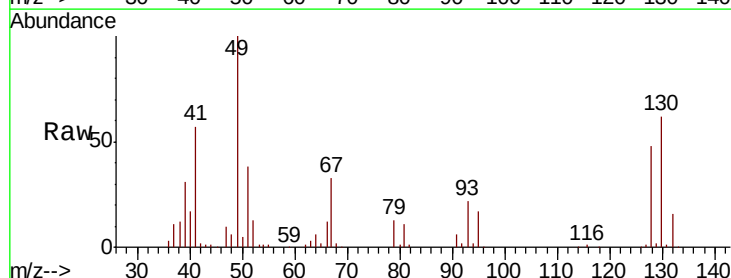
Abundance Ion 95.90 (95.60 to 96.60): VX0  
 Ion 60.90 (60.60 to 61.60): VX0  
 Ion 97.90 (97.60 to 98.60): VX0



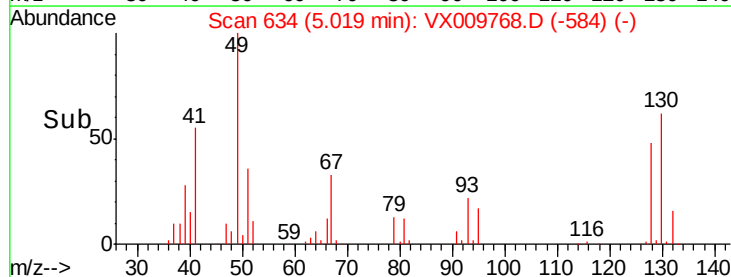
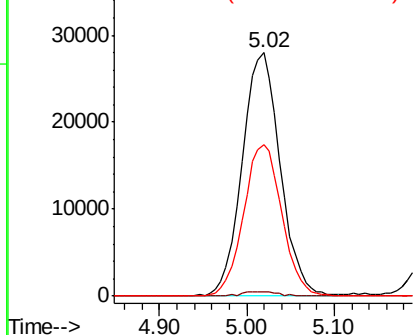
#28

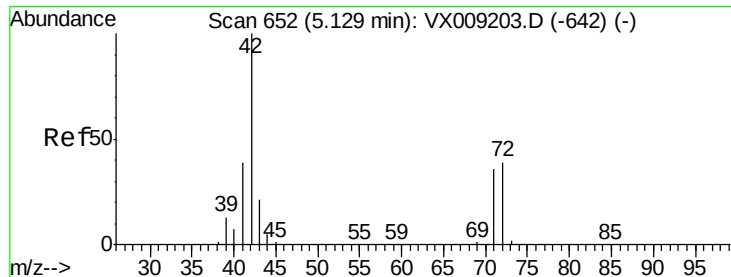
Bromochloromethane  
 Concen: 63.607 ug/l  
 RT: 5.02 min Scan# 634  
 Delta R.T. 0.01 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Tgt Ion: 49 Resp: 84659  
 Ion Ratio Lower Upper  
 49 100  
 129 1.5 0.0 3.8  
 130 62.4 51.2 76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0  
 Ion 128.80 (128.50 to 129.50): V  
 Ion 129.80 (129.50 to 130.50): V

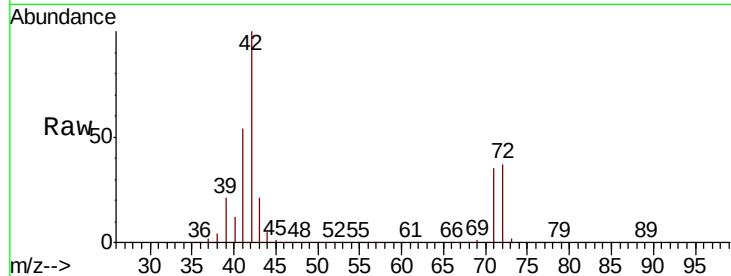




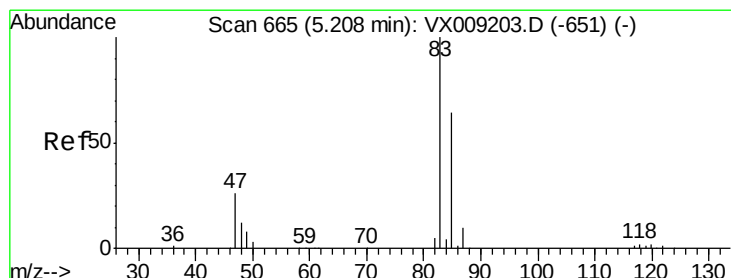
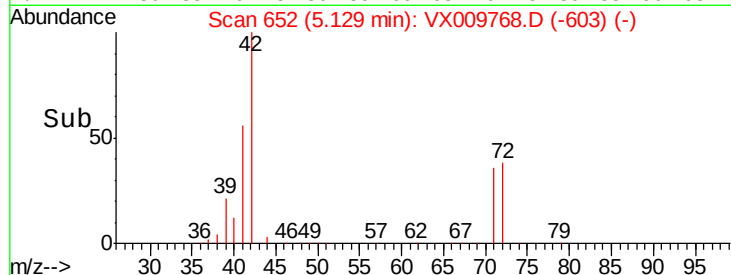
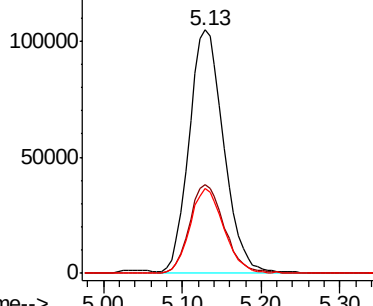
#29  
Tetrahydrofuran  
Concen: 281.823 ug/l  
RT: 5.13 min Scan# 652  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 42 Resp: 318588  
Ion Ratio Lower Upper  
42 100  
72 37.0 30.4 45.6  
71 34.4 28.6 43.0

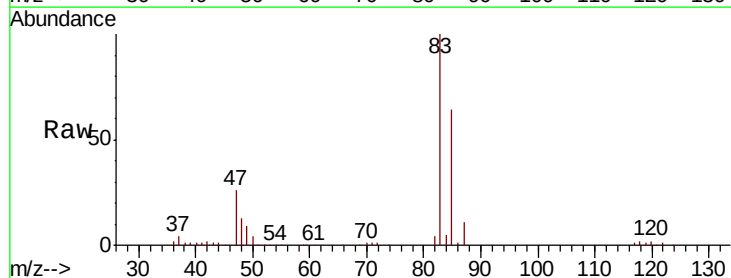


Abundance Ion 42.00 (41.70 to 42.70): VX0  
Ion 72.00 (71.70 to 72.70): VX0  
Ion 71.00 (70.70 to 71.70): VX0

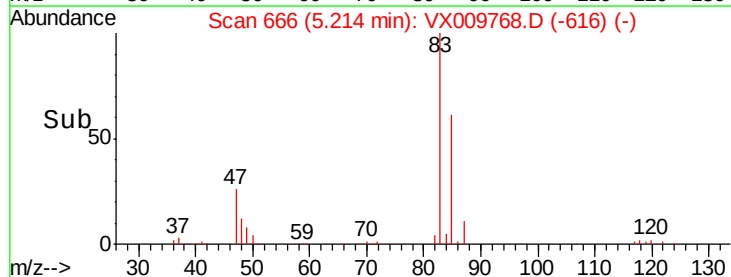
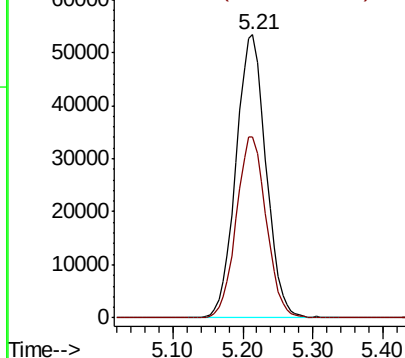


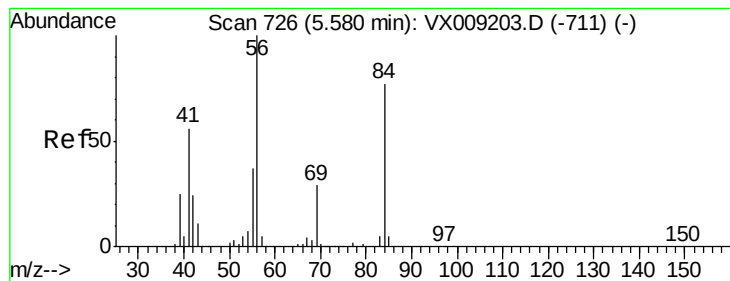
#30  
Chloroform  
Concen: 52.593 ug/l  
RT: 5.21 min Scan# 666  
Delta R.T. 0.01 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion: 83 Resp: 159139  
Ion Ratio Lower Upper  
83 100  
85 63.8 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 54.103 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

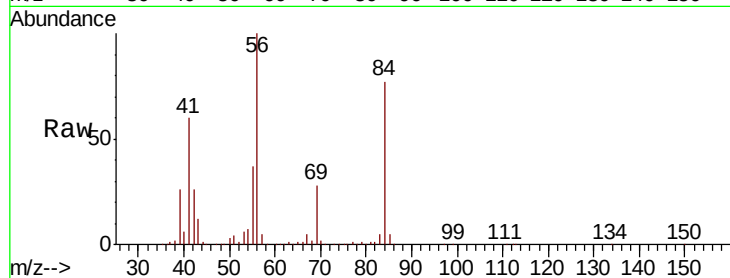
Tot Ion: 56 Resp: 168402

Ion Ratio Lower Upper

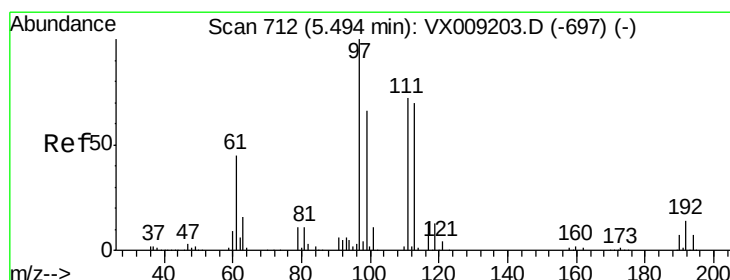
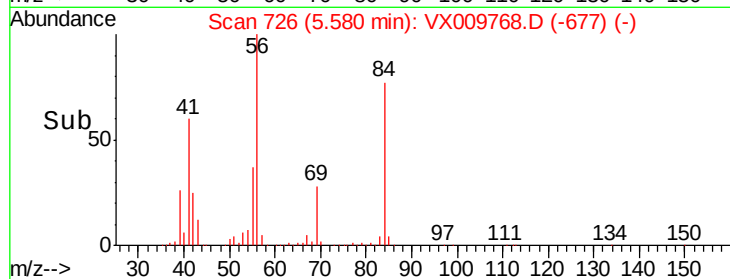
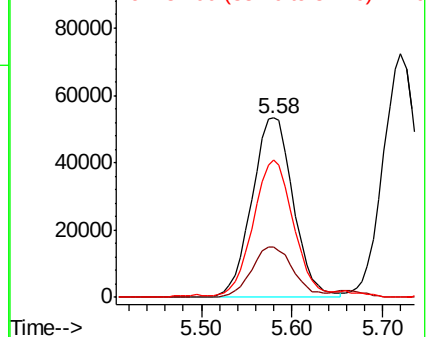
56 100

69 27.8 23.4 35.0

84 75.3 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VX0  
Ion 69.00 (68.70 to 69.70): VX0  
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 52.590 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

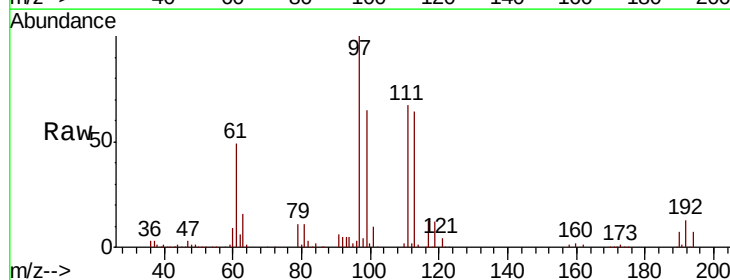
Tgt Ion: 97 Resp: 132469

Ion Ratio Lower Upper

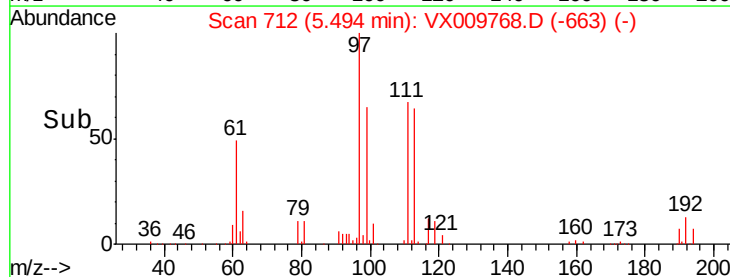
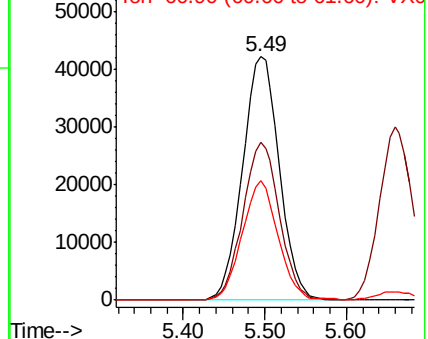
97 100

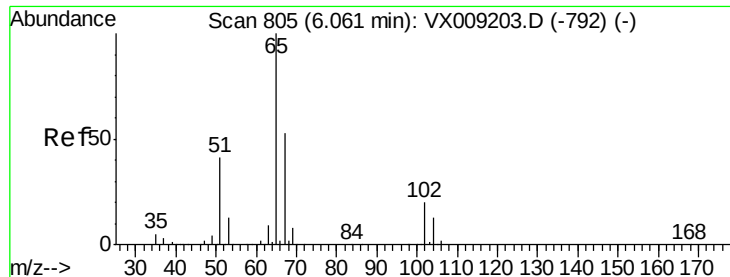
99 64.1 51.8 77.8

61 47.3 37.8 56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0  
Ion 98.90 (98.60 to 99.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0

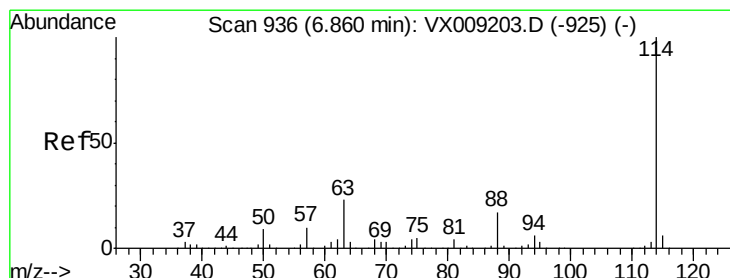
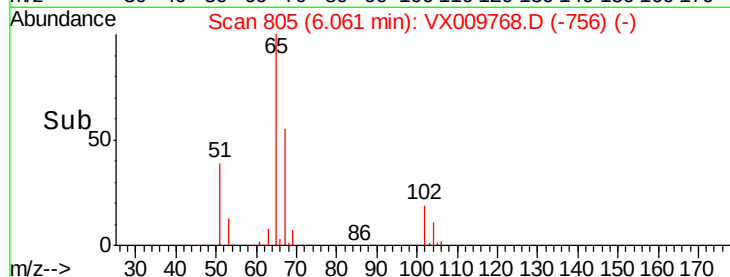
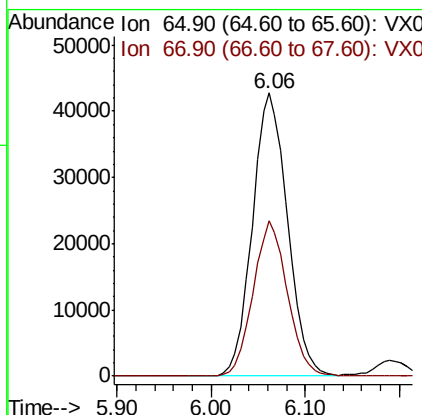
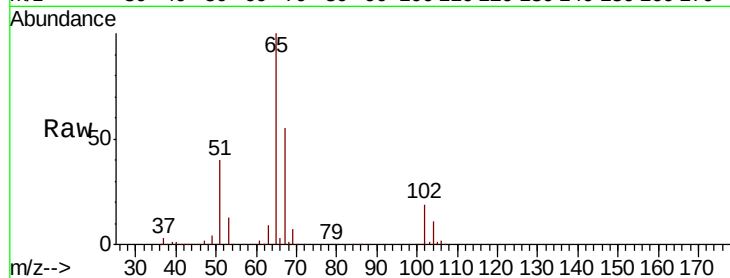




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.121 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

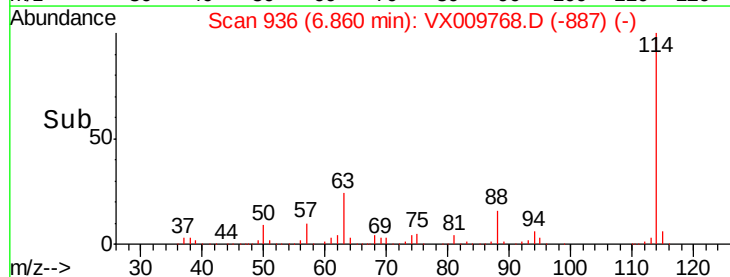
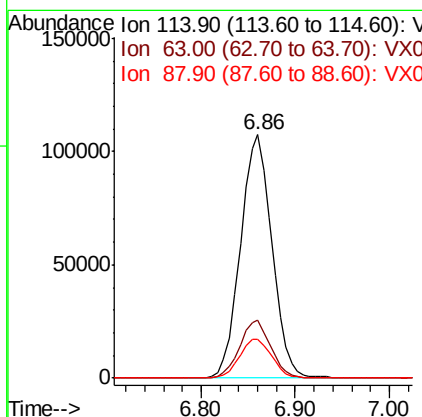
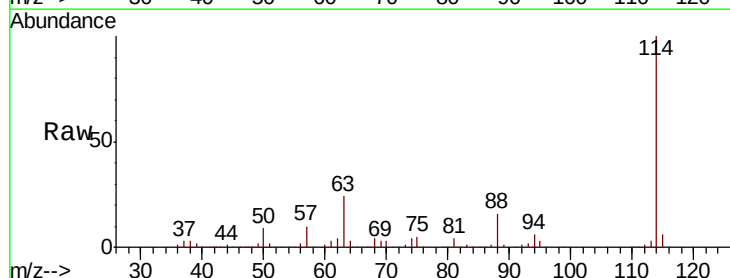
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

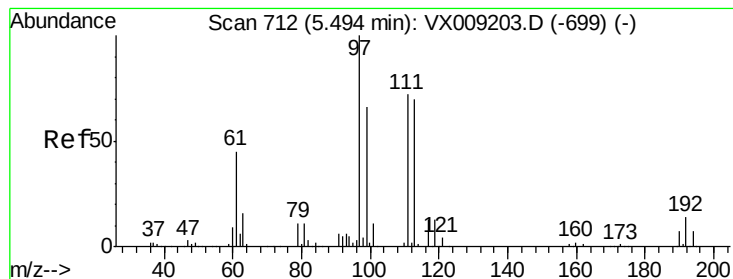
Tot Ion: 65 Resp: 111838  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 106.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Tgt Ion: 114 Resp: 249460  
 Ion Ratio Lower Upper  
 114 100  
 63 23.7 0.0 45.6  
 88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.969 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

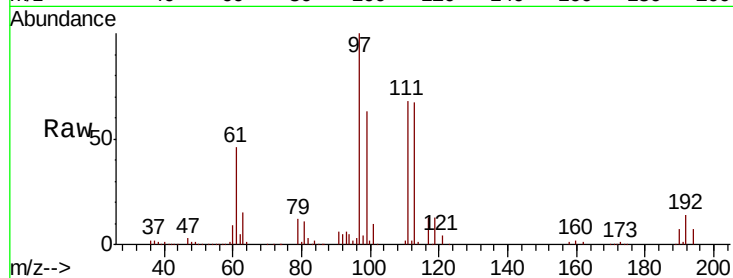
Tot Ion:113 Resp: 79930

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

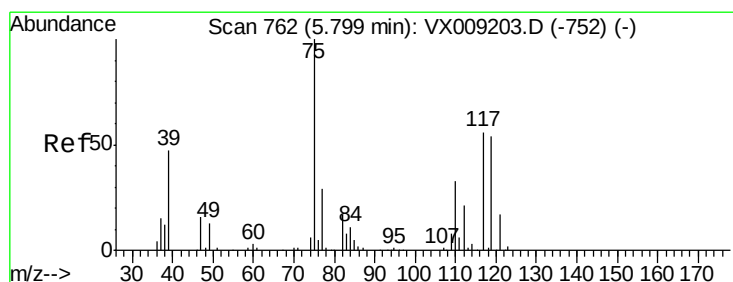
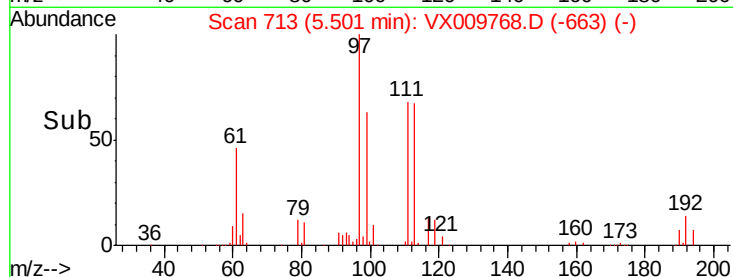
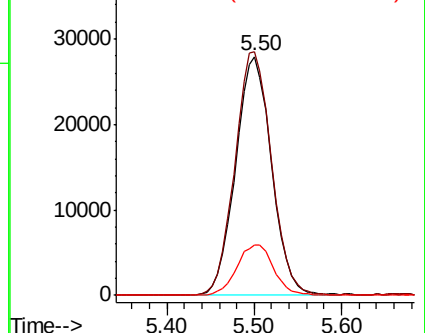
192 21.7 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.545 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

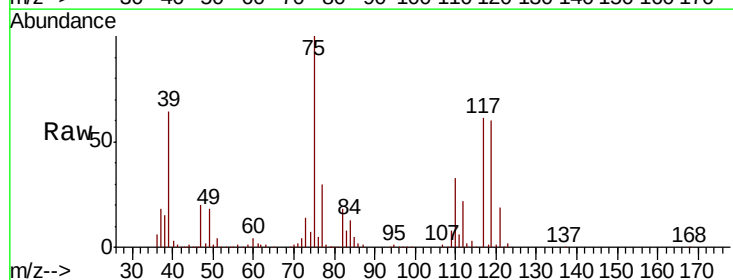
Tgt Ion: 75 Resp: 121813

Ion Ratio Lower Upper

75 100

110 33.6 16.9 50.6

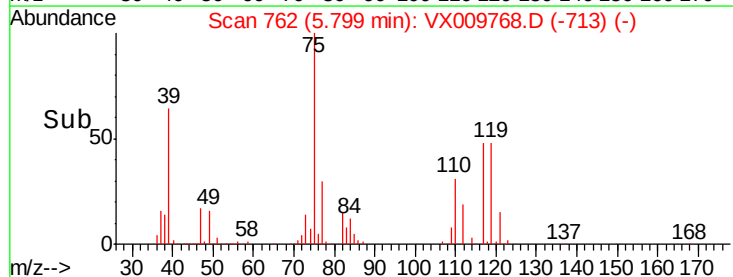
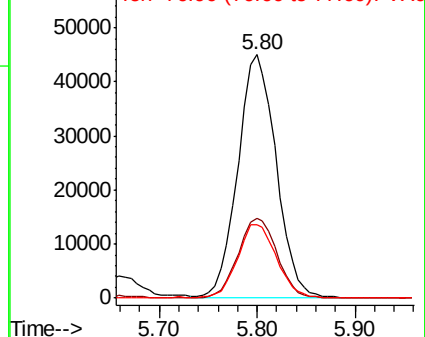
77 30.8 24.8 37.2

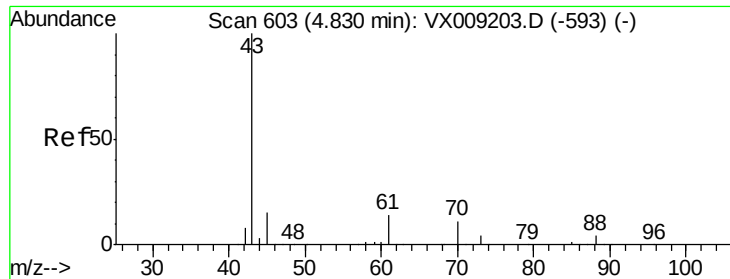


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 56.489 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

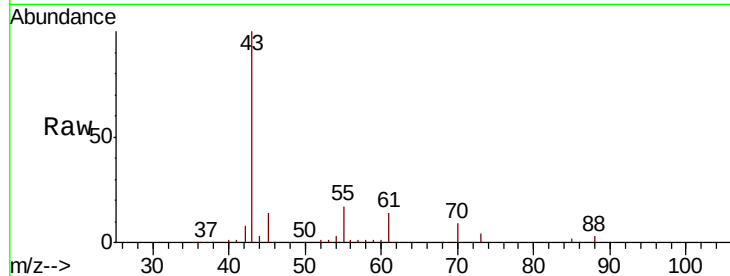
Tot Ion: 43 Resp: 182462

Ion Ratio Lower Upper

43 100

61 12.9 10.5 15.7

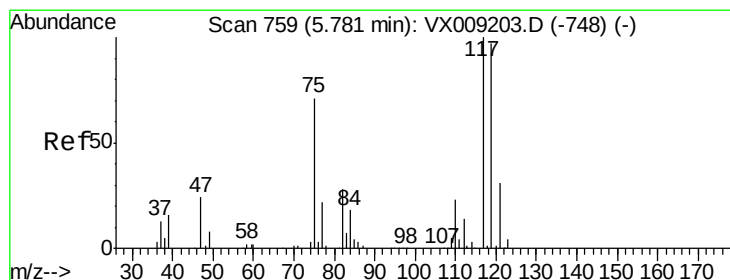
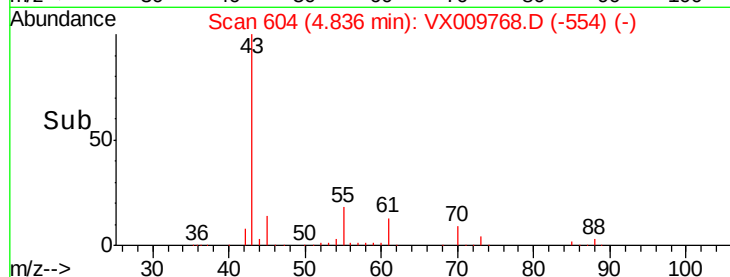
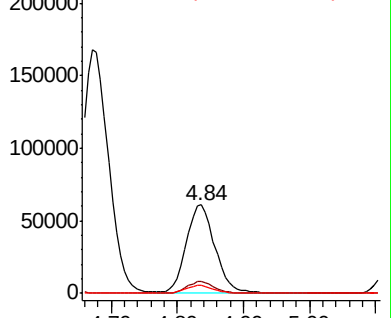
70 9.0 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 52.867 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

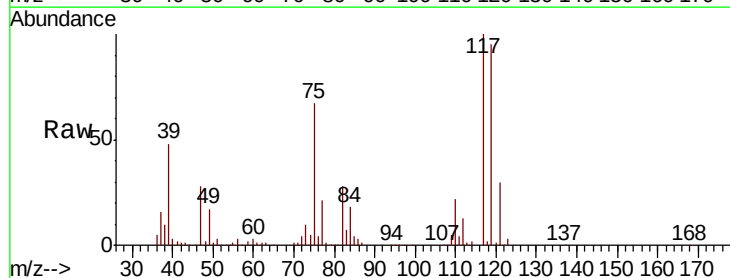
Tgt Ion: 117 Resp: 111353

Ion Ratio Lower Upper

117 100

119 94.5 77.5 116.3

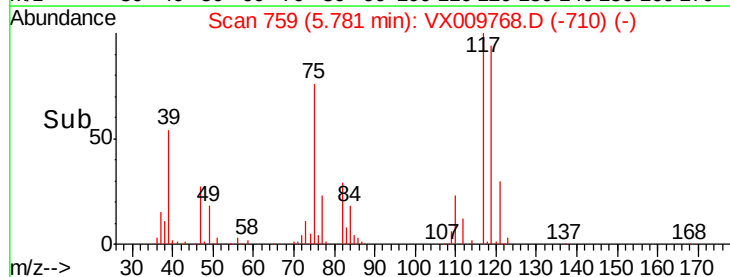
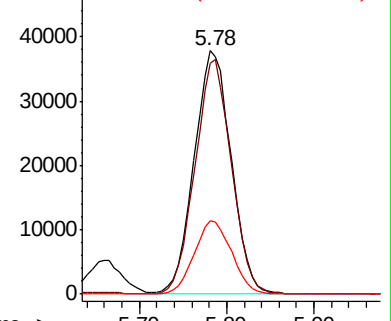
121 30.2 24.7 37.1

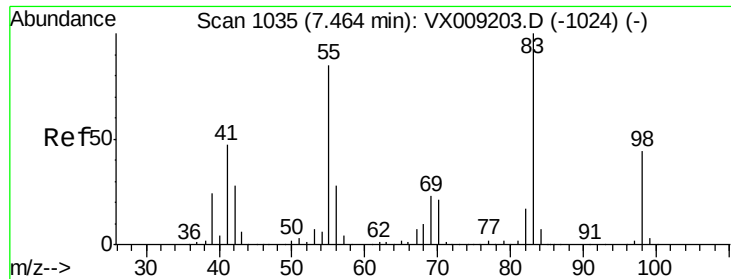


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

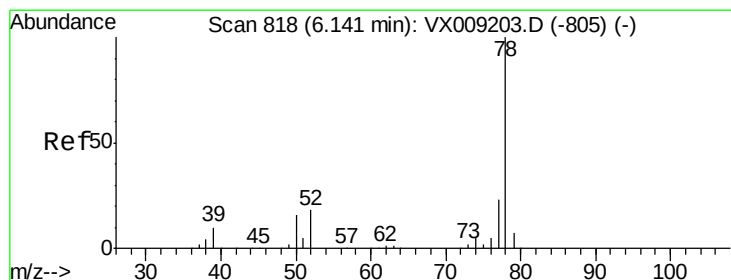
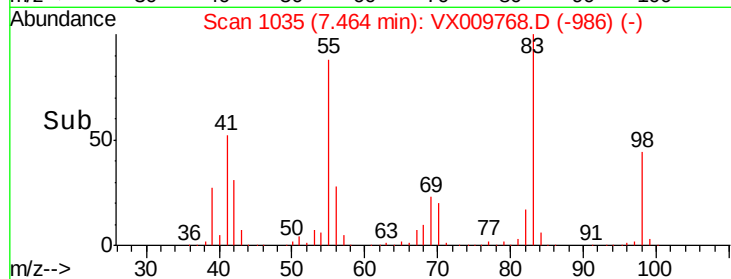
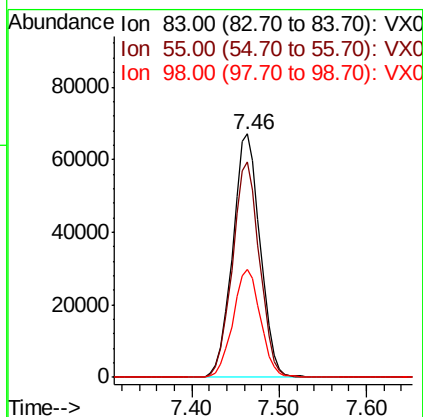
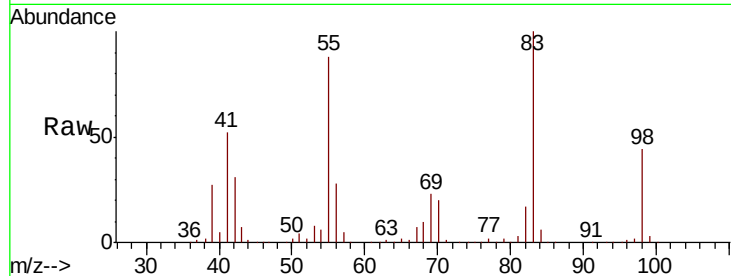




#39  
Methylvlcyclohexane  
Concen: 51.591 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

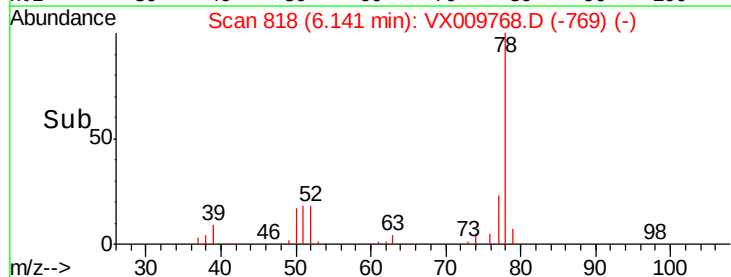
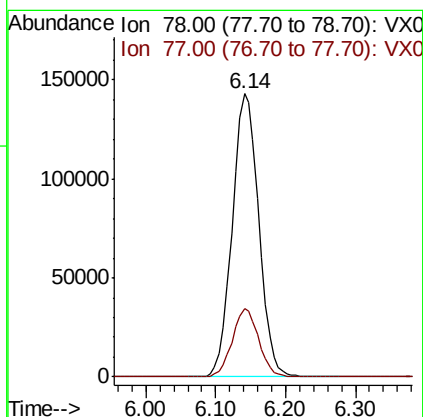
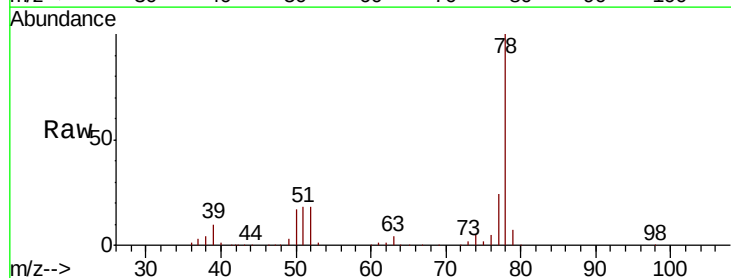
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 83 Resp: 146881  
Ion Ratio Lower Upper  
83 100  
55 88.4 67.7 101.5  
98 44.3 35.5 53.3

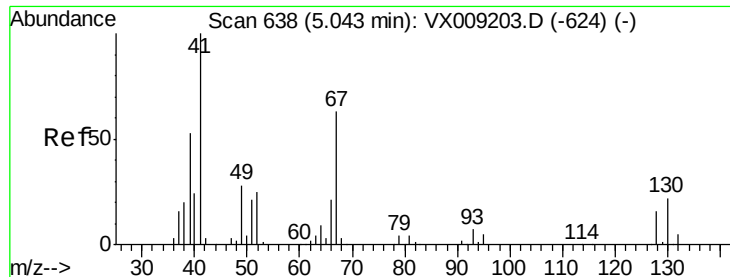


#40  
Benzene  
Concen: 52.470 ug/l  
RT: 6.14 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion: 78 Resp: 376454  
Ion Ratio Lower Upper  
78 100  
77 24.2 18.8 28.2



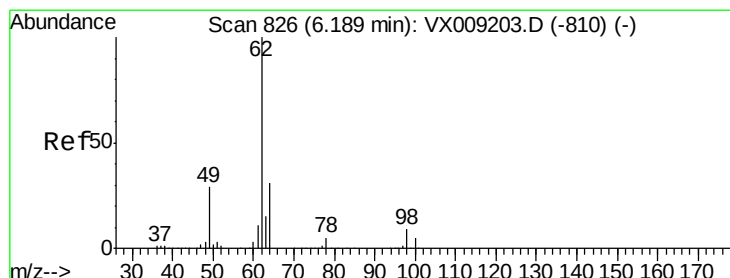
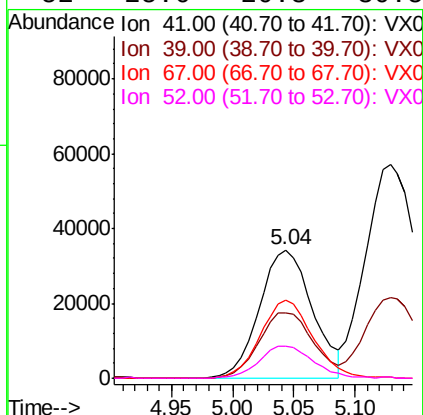
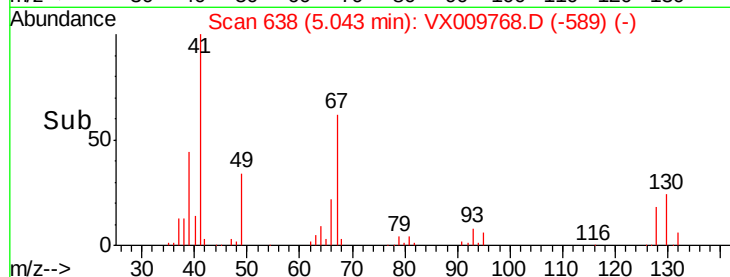
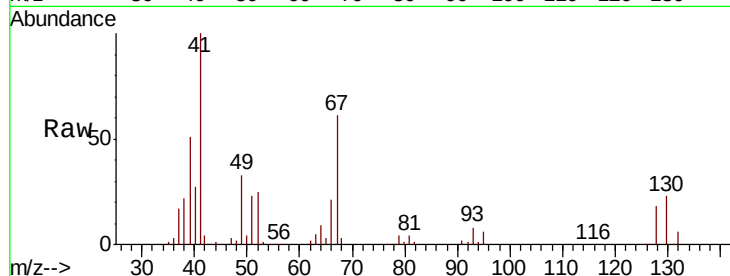




#41  
Methacrylonitrile  
Concen: 53.437 ug/l  
RT: 5.04 min Scan# 638  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

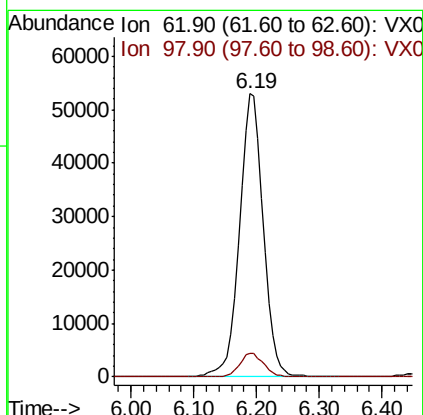
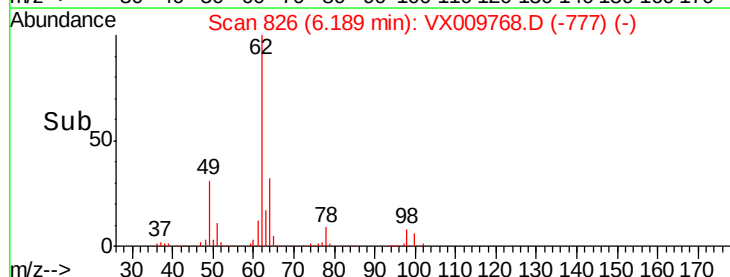
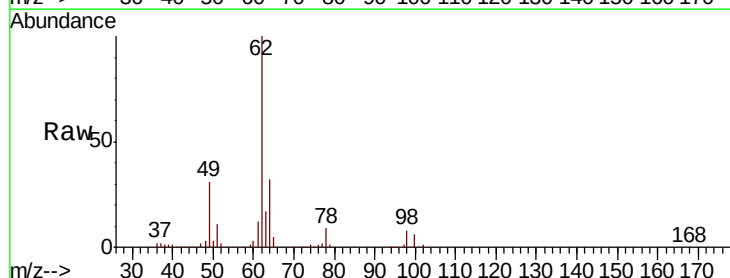
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

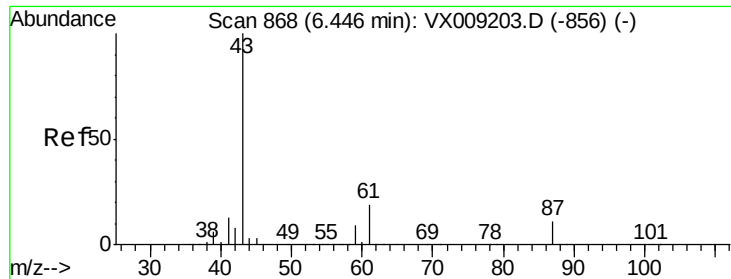
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 102745 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 53.2  | 42.0  | 63.0   |
| 67       | 61.1  | 49.8  | 74.8   |
| 52       | 25.6  | 20.3  | 30.5   |



#42  
1,2-Dichloroethane  
Concen: 53.985 ug/l  
RT: 6.19 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 138938 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.4   | 0.0   | 18.2   |





#43

Isopropyl Acetate

Concen: 55.615 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

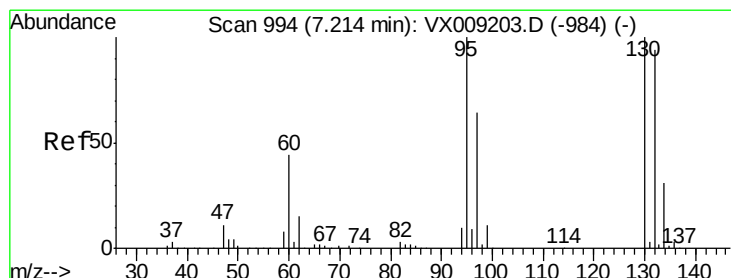
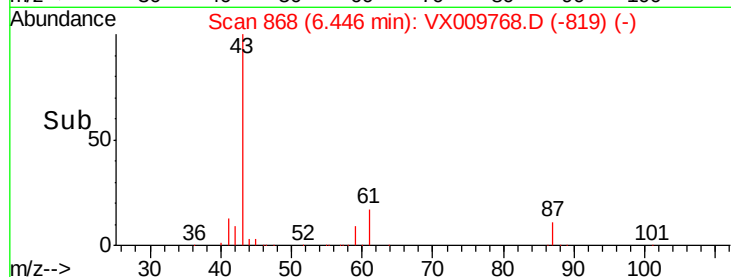
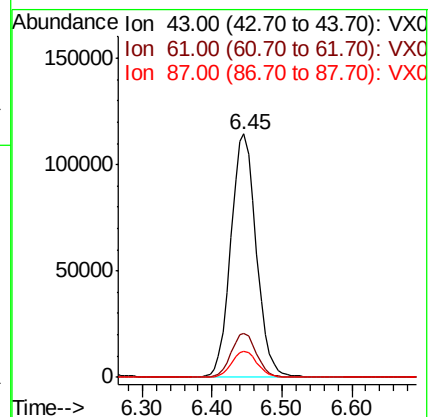
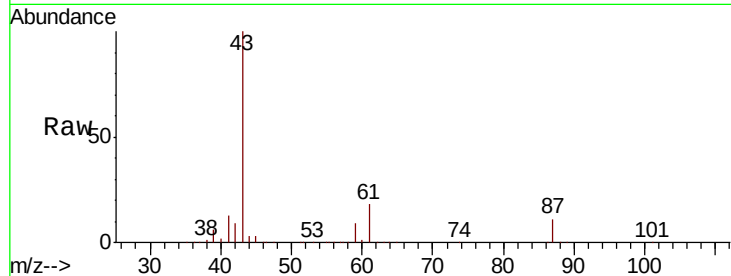
Tot Ion: 43 Resp: 287343

Ion Ratio Lower Upper

43 100

61 18.3 15.1 22.7

87 10.9 9.0 13.6



#44

Trichloroethene

Concen: 51.308 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009768.D

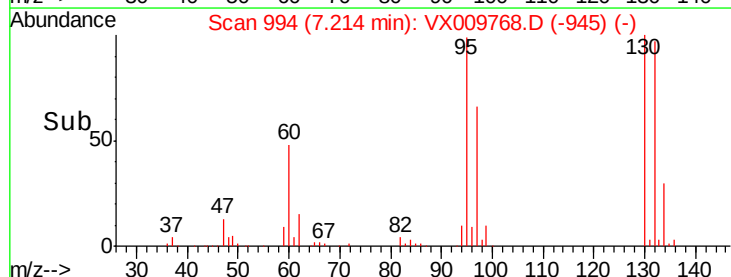
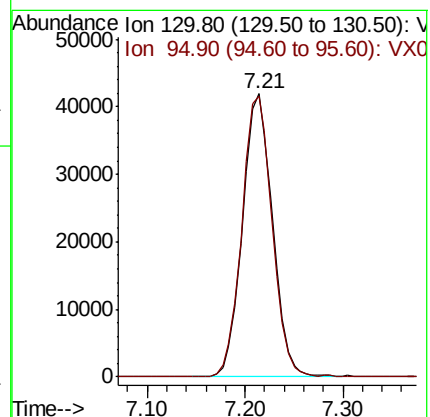
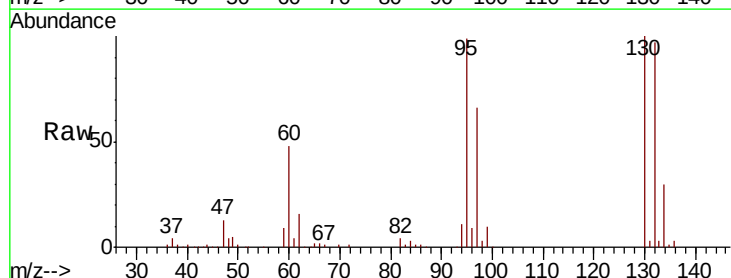
Acq: 21 May 2019 23:11

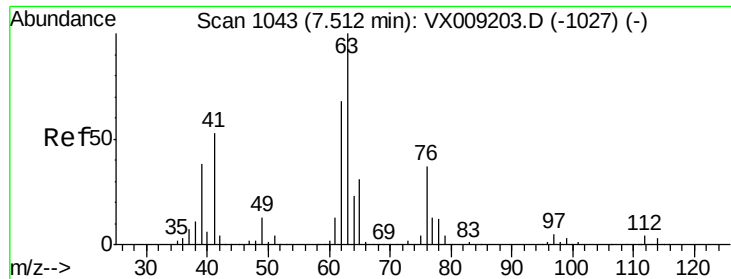
Tgt Ion:130 Resp: 88993

Ion Ratio Lower Upper

130 100

95 99.2 0.0 199.2

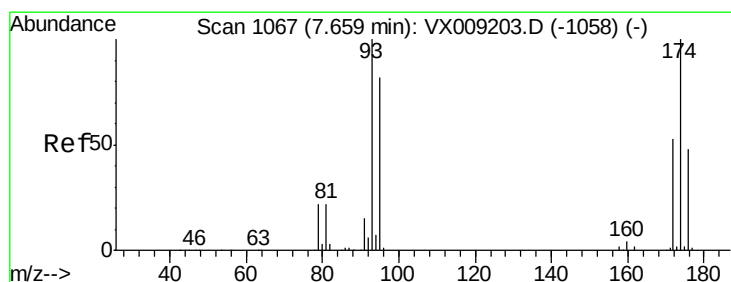
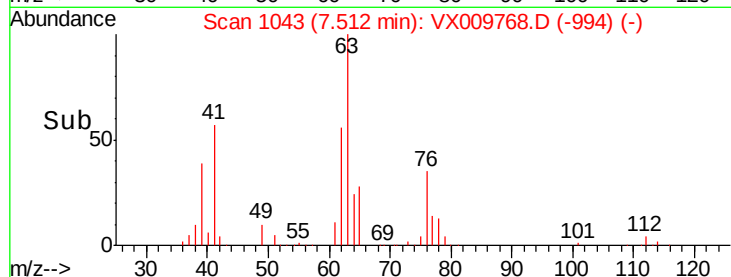
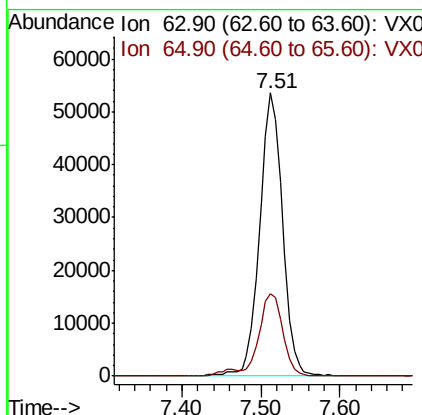
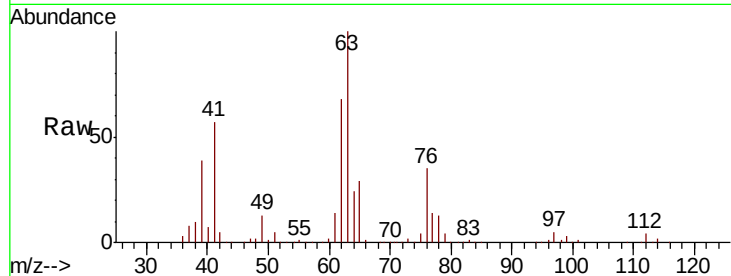




#45  
 1,2-Dichloropropane  
 Concen: 53.343 ug/l  
 RT: 7.51 min Scan# 1043  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

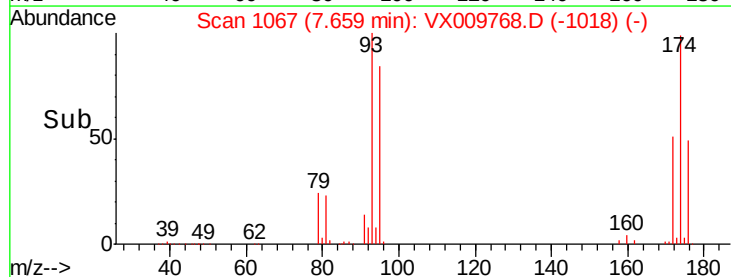
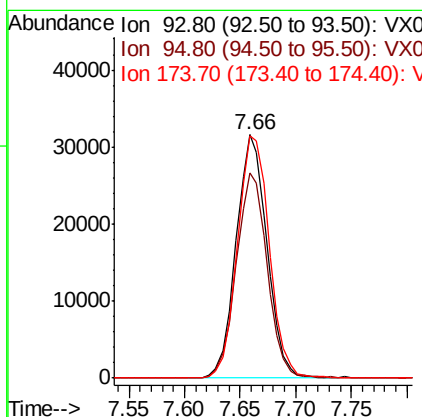
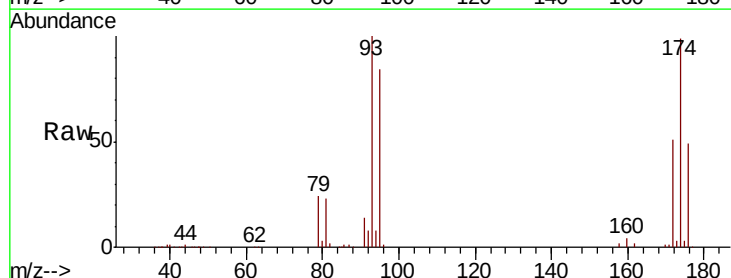
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

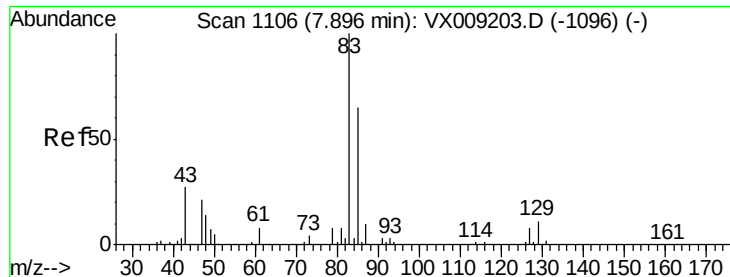
Tot Ion: 63 Resp: 108369  
 Ion Ratio Lower Upper  
 63 100  
 65 29.0 25.0 37.6



#46  
 Dibromomethane  
 Concen: 51.292 ug/l  
 RT: 7.66 min Scan# 1067  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Tgt Ion: 93 Resp: 60511  
 Ion Ratio Lower Upper  
 93 100  
 95 84.6 66.5 99.7  
 174 103.0 82.1 123.1





#47

Bromodichloromethane

Concen: 53.131 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

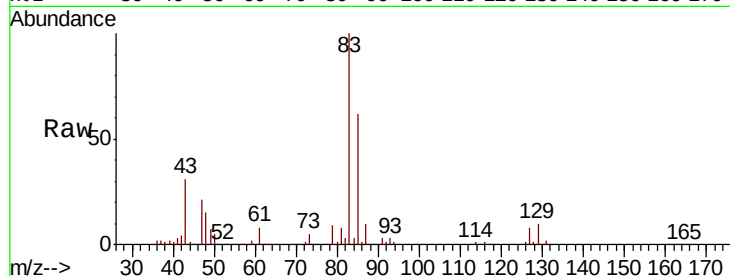
Tot Ion: 83 Resp: 125033

Ion Ratio Lower Upper

83 100

85 62.3 52.4 78.6

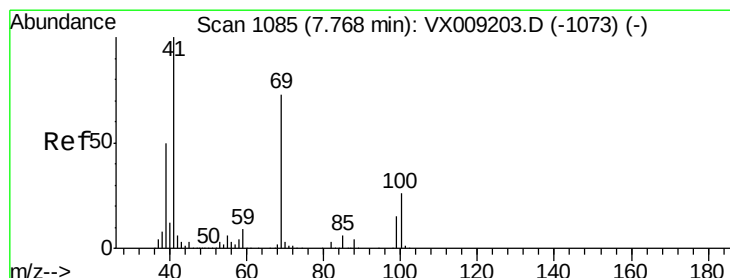
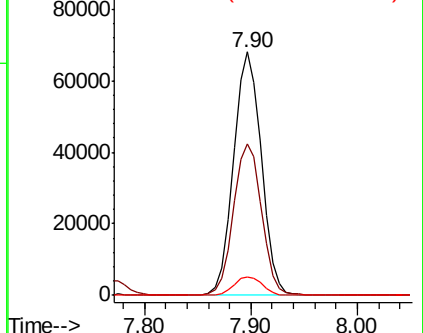
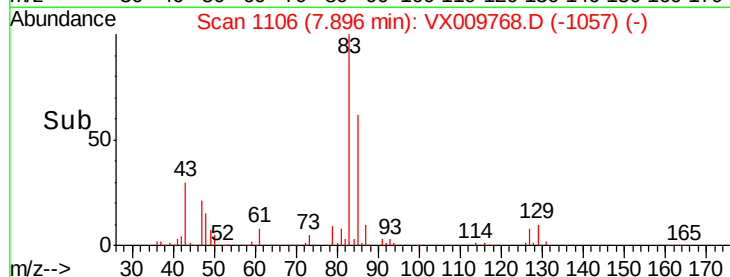
127 7.5 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.154 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

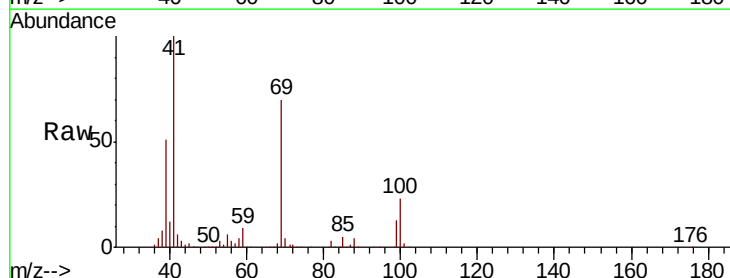
Tgt Ion: 41 Resp: 146501

Ion Ratio Lower Upper

41 100

69 70.3 59.1 88.7

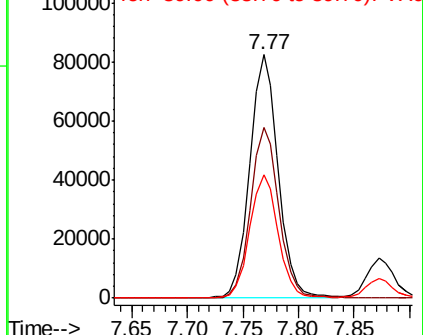
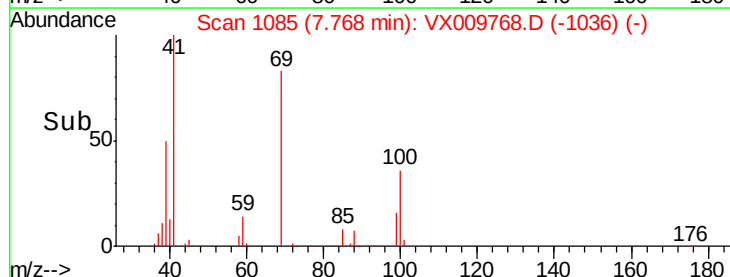
39 50.7 40.4 60.6

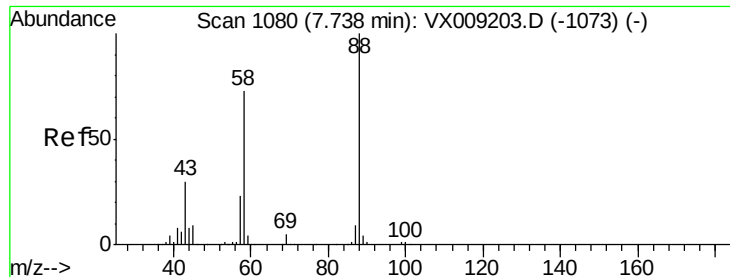


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

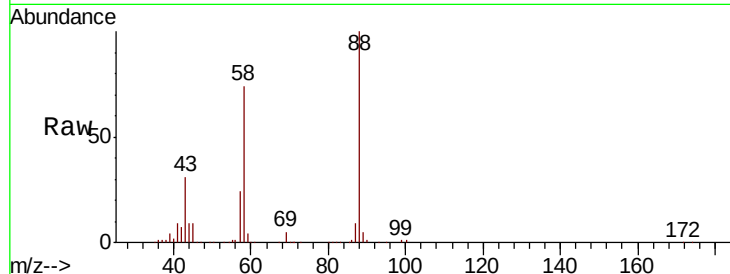




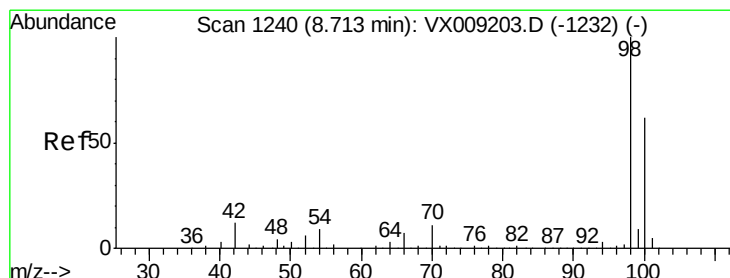
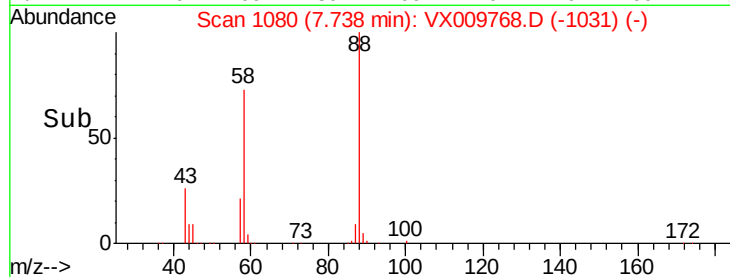
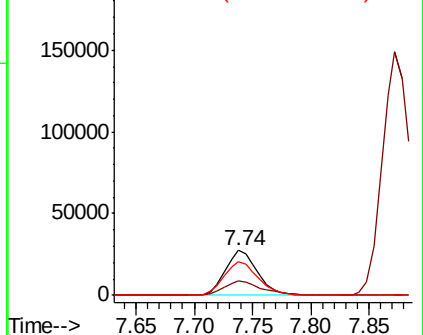
#49  
1,4-Dioxane  
Concen: 1015.814 ug/l  
RT: 7.74 min Scan# 1080  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 88 Resp: 52805  
Ion Ratio Lower Upper  
88 100  
43 37.6 28.6 42.8  
58 80.8 61.7 92.5

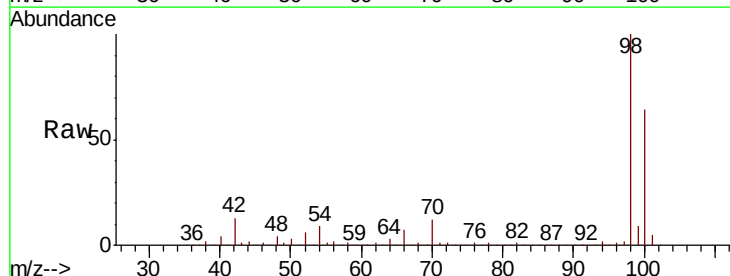


Abundance Ion 88.00 (87.70 to 88.70): VX0  
Ion 43.00 (42.70 to 43.70): VX0  
Ion 58.00 (57.70 to 58.70): VX0

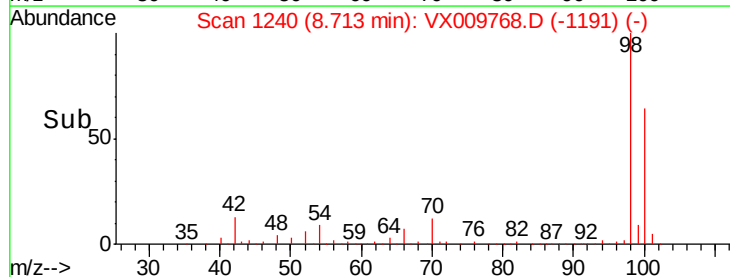
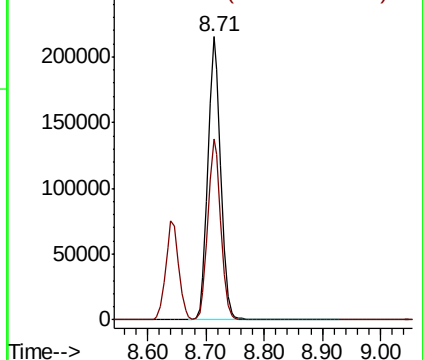


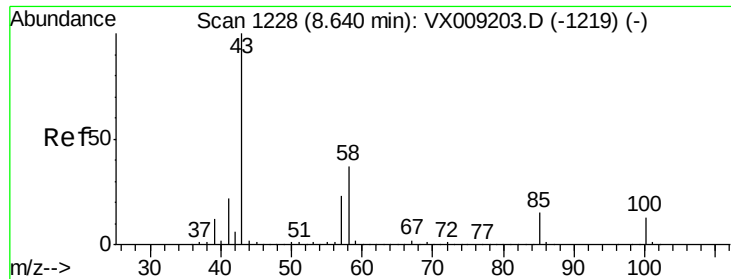
#50  
Toluene-d8  
Concen: 52.478 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion: 98 Resp: 332251  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 284.921 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

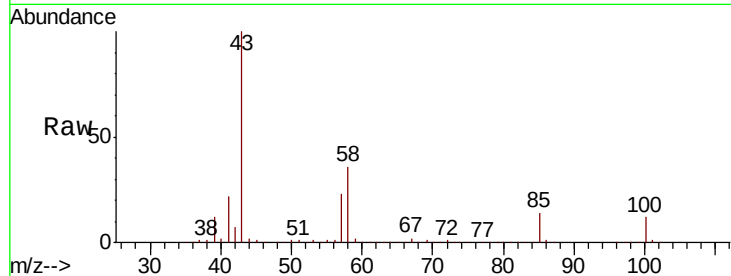
VSTDCCC050EC

Tot Ion: 43 Resp: 962179

Ion Ratio Lower Upper

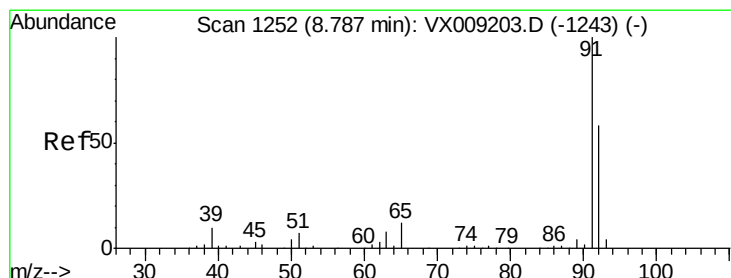
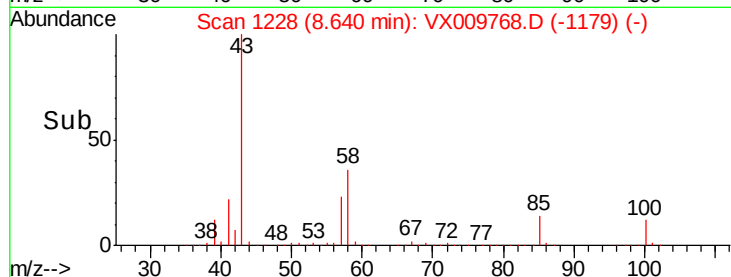
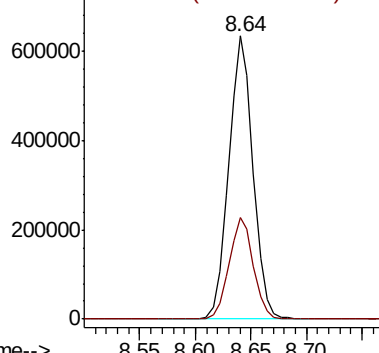
43 100

58 35.9 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.180 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009768.D

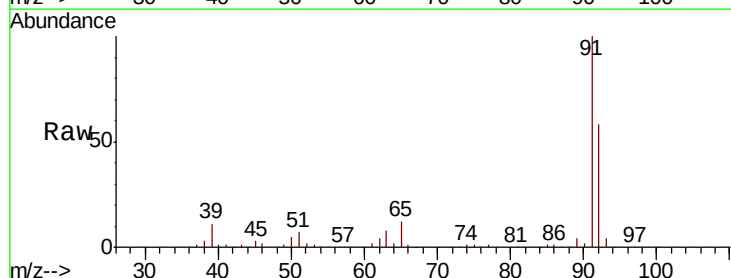
Acq: 21 May 2019 23:11

Tgt Ion: 92 Resp: 231932

Ion Ratio Lower Upper

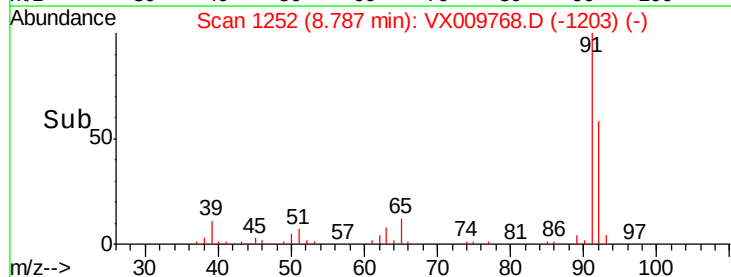
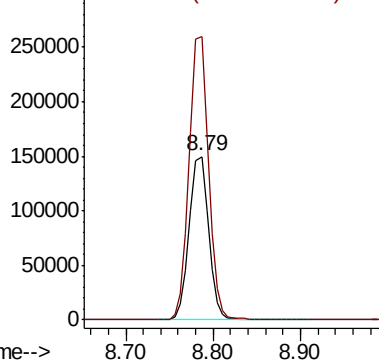
92 100

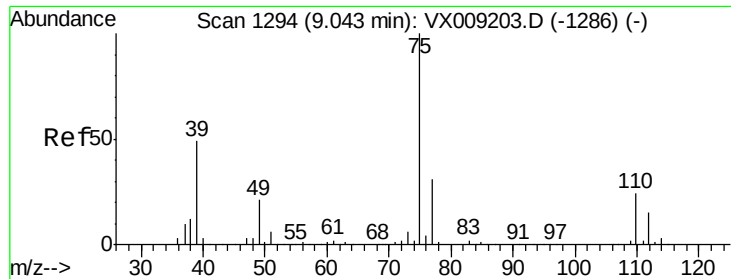
91 172.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

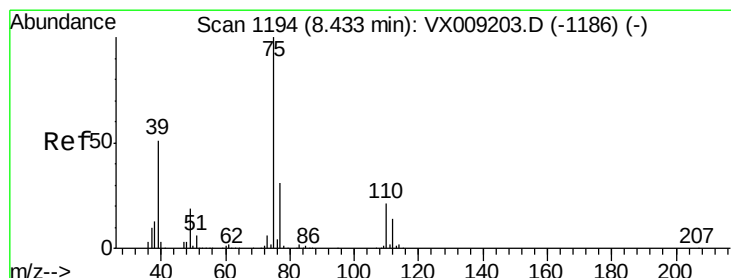
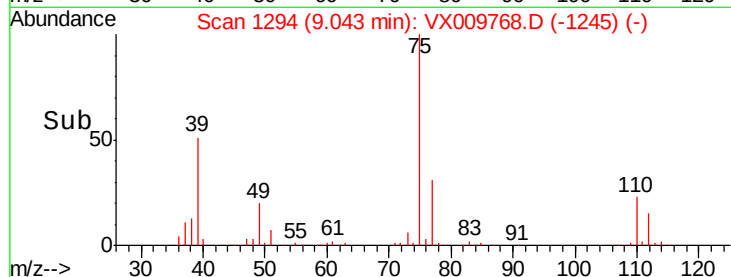
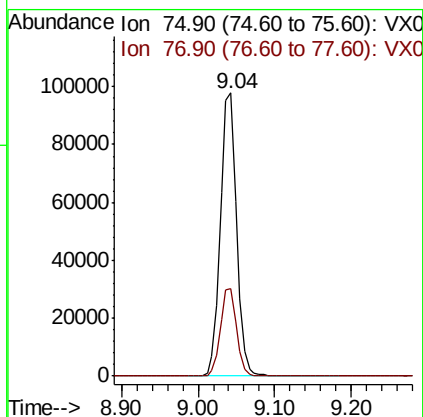
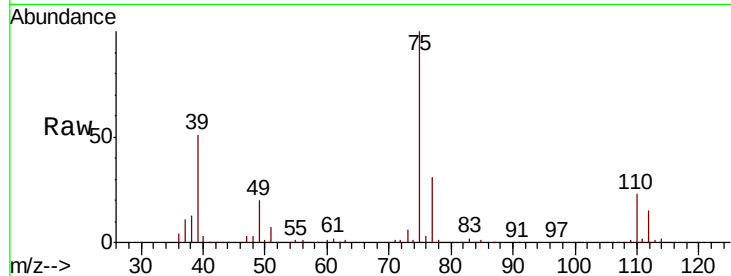




#53  
t-1,3-Dichloropropene  
Concen: 53.847 ug/l  
RT: 9.04 min Scan# 1294  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

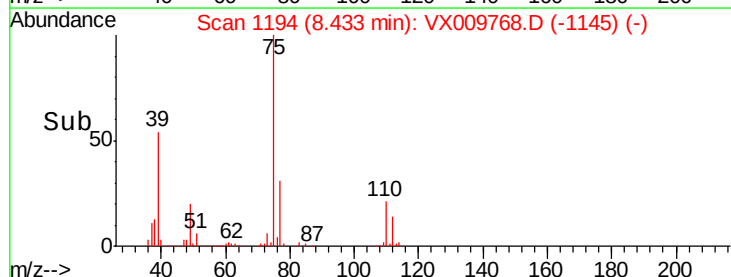
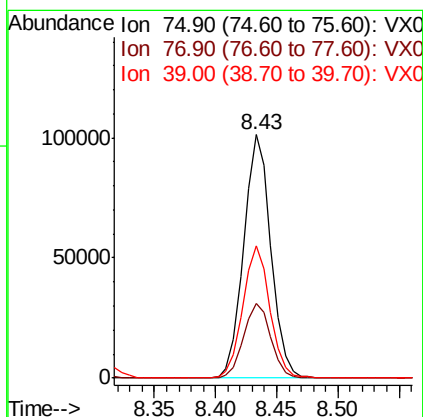
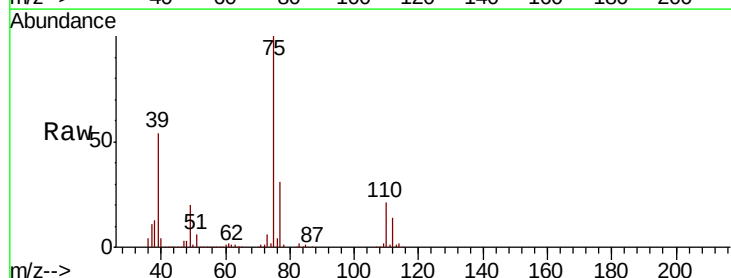
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

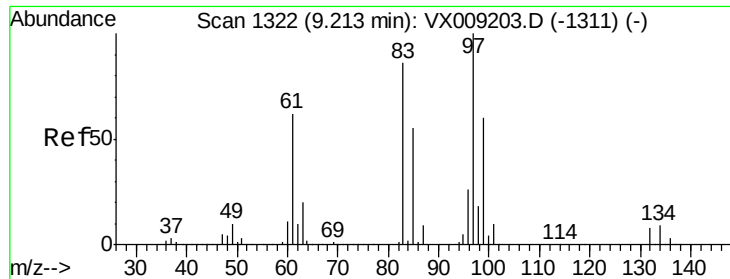
Tot Ion: 75 Resp: 143065  
Ion Ratio Lower Upper  
75 100  
77 30.7 25.0 37.6



#54  
cis-1,3-Dichloropropene  
Concen: 53.095 ug/l  
RT: 8.43 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion: 75 Resp: 156141  
Ion Ratio Lower Upper  
75 100  
77 30.7 24.6 36.8  
39 54.1 40.6 60.8

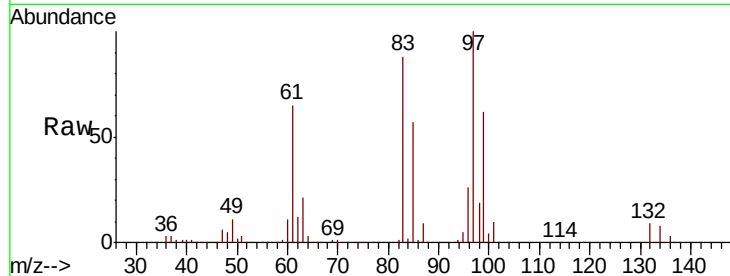




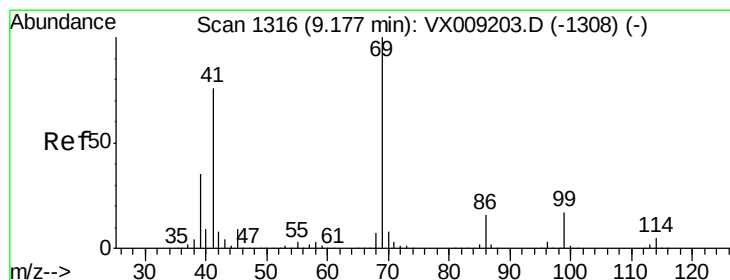
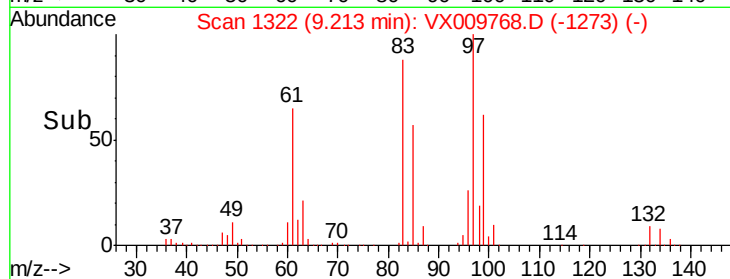
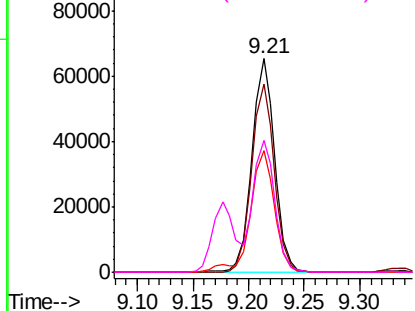
#55  
 1,1,2-Trichloroethane  
 Concen: 52.320 ug/l  
 RT: 9.21 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 93091 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.8  | 68.9  | 103.3 |
| 85       | 56.7  | 43.8  | 65.6  |
| 99       | 61.4  | 48.2  | 72.2  |

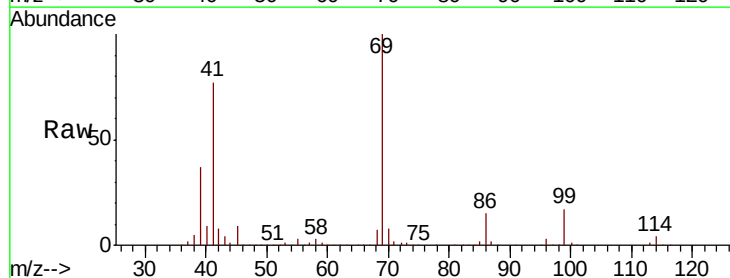


Abundance Ion 96.90 (96.60 to 97.60): VX0  
 Ion 82.90 (82.60 to 83.60): VX0  
 Ion 84.90 (84.60 to 85.60): VX0  
 Ion 98.90 (98.60 to 99.60): VX0

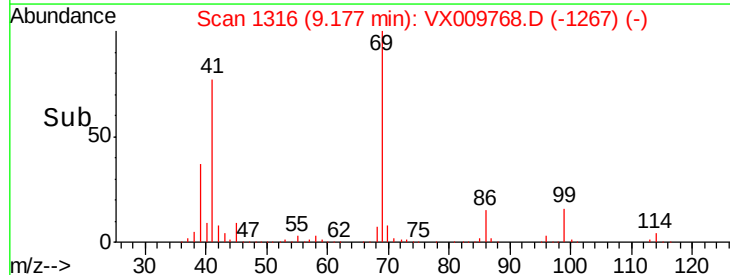
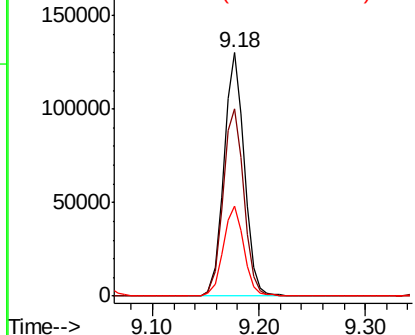


#56  
 Ethyl methacrylate  
 Concen: 55.042 ug/l  
 RT: 9.18 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

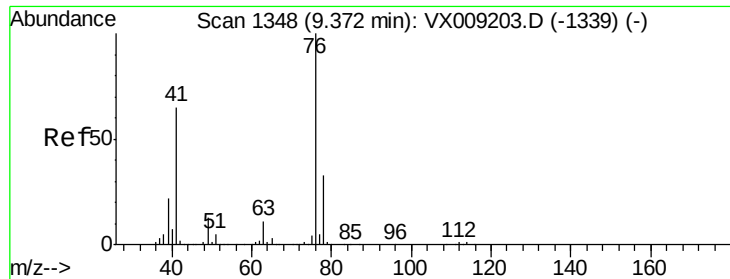
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 174818 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 78.7  | 60.6  | 90.8   |
| 39       | 37.1  | 28.2  | 42.4   |



Abundance Ion 69.00 (68.70 to 69.70): VX0  
 Ion 41.00 (40.70 to 41.70): VX0  
 Ion 39.00 (38.70 to 39.70): VX0



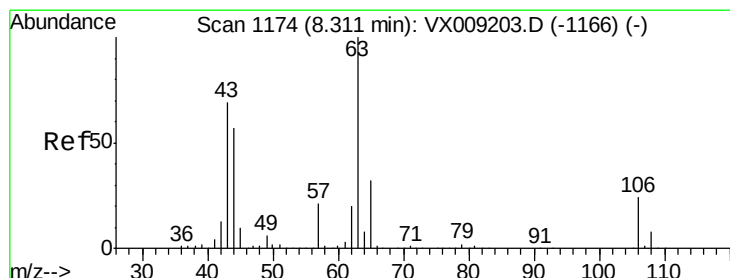
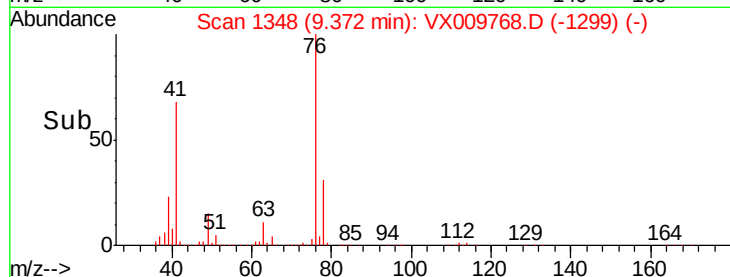
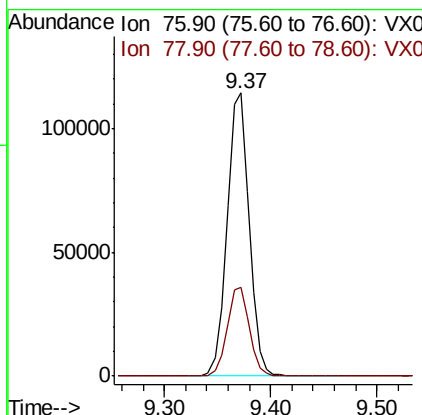
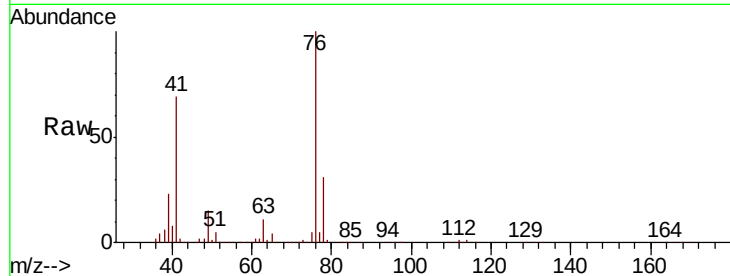




#57  
 1,3-Dichloropropane  
 Concen: 53.016 ug/l  
 RT: 9.37 min Scan# 1348  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

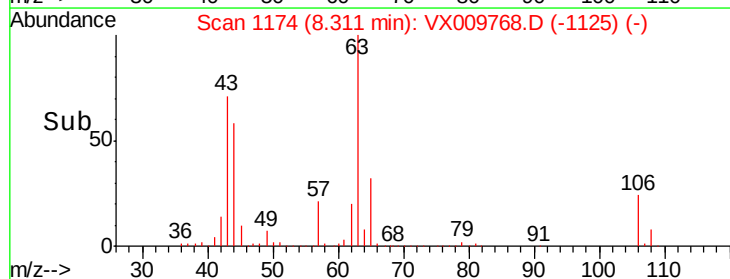
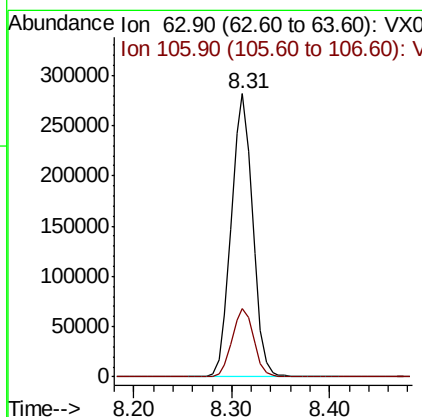
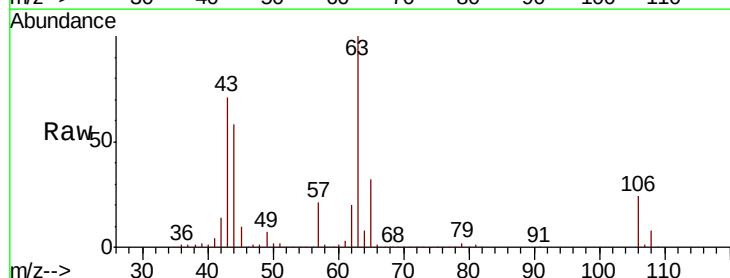
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

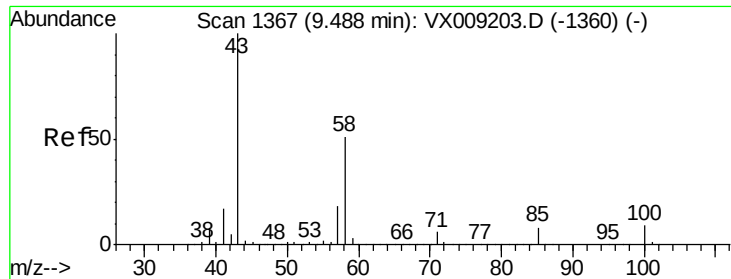
Tot Ion: 76 Resp: 165998  
 Ion Ratio Lower Upper  
 76 100  
 78 31.5 25.5 38.3



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 254.264 ug/l  
 RT: 8.31 min Scan# 1174  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Tgt Ion: 63 Resp: 428412  
 Ion Ratio Lower Upper  
 63 100  
 106 24.3 19.7 29.5

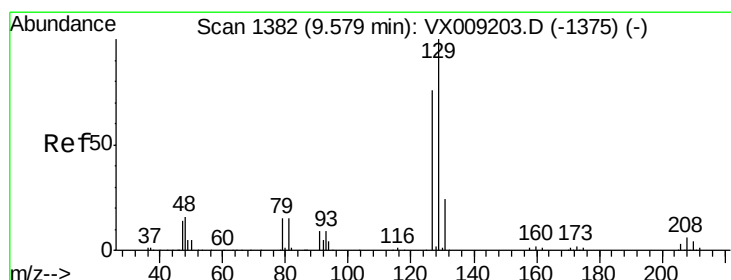
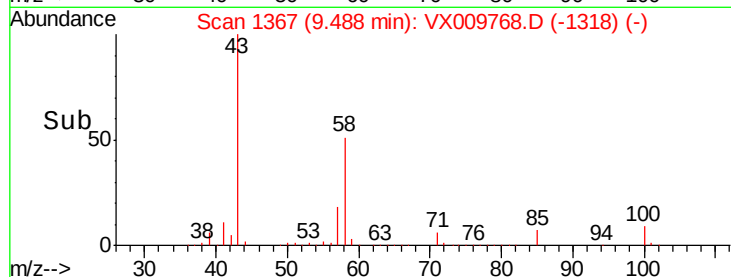
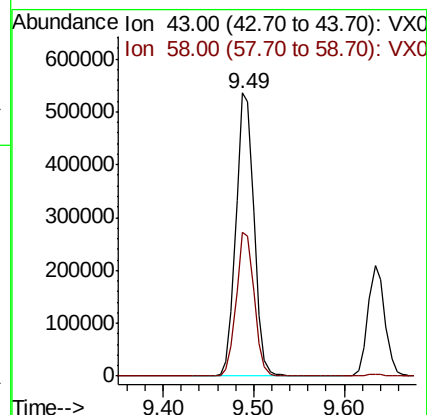
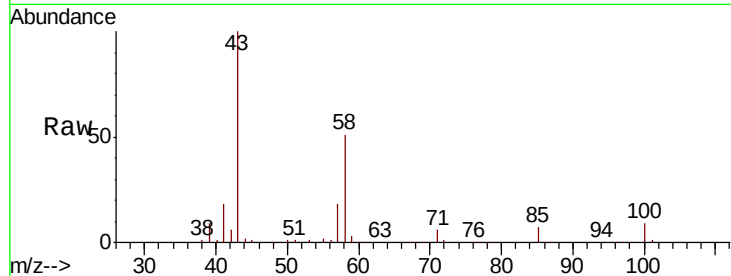




#59  
2-Hexanone  
Concen: 278.711 ug/l  
RT: 9.49 min Scan# 1367  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

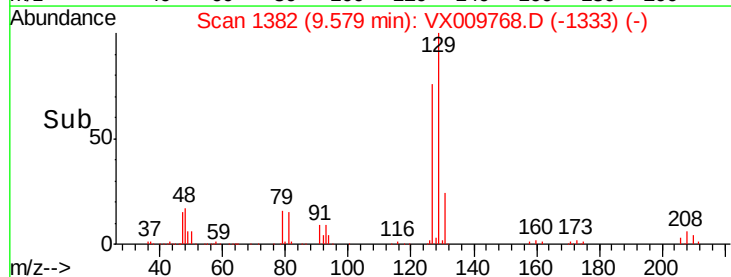
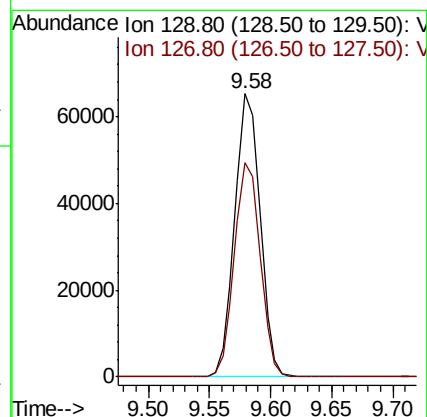
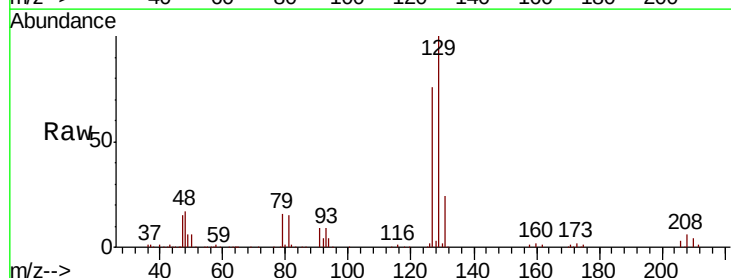
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

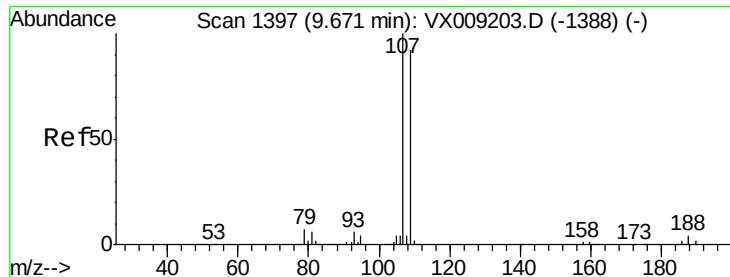
Tot Ion: 43 Resp: 739214  
Ion Ratio Lower Upper  
43 100  
58 50.7 25.9 77.7



#60  
Dibromochloromethane  
Concen: 54.004 ug/l  
RT: 9.58 min Scan# 1382  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion: 129 Resp: 93847  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 53.015 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

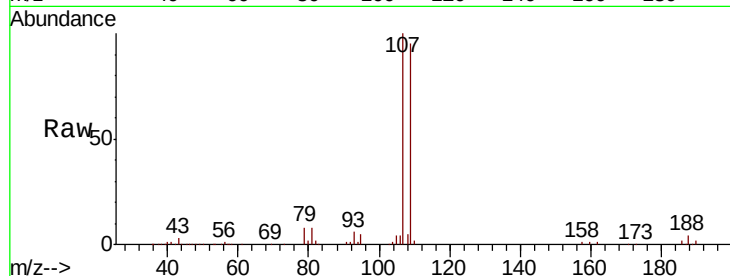
VSTDCCC050EC

Tot Ion:107 Resp: 95218

Ion Ratio Lower Upper

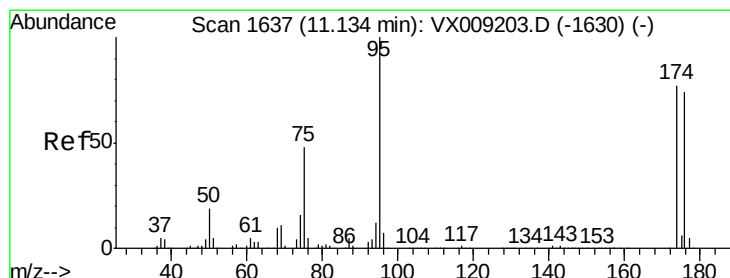
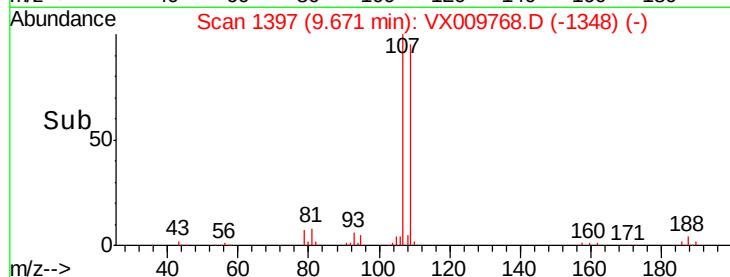
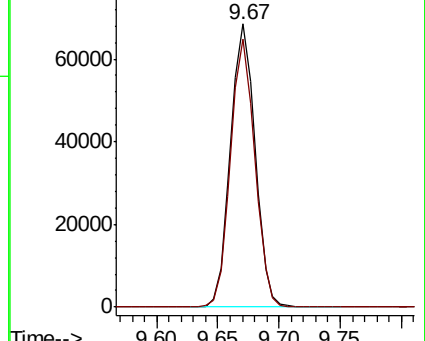
107 100

109 93.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.668 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

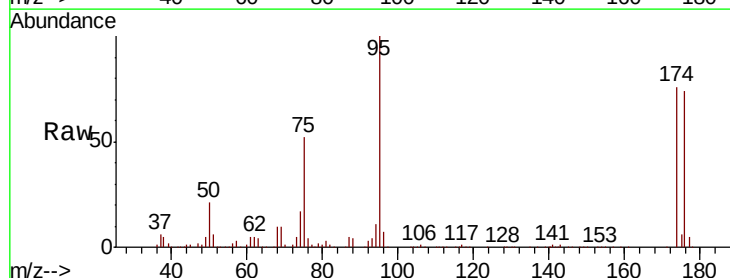
Tgt Ion: 95 Resp: 121165

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

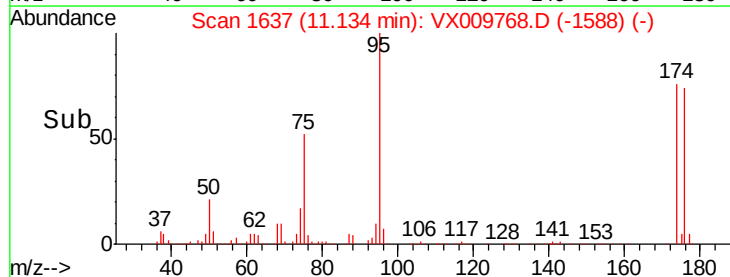
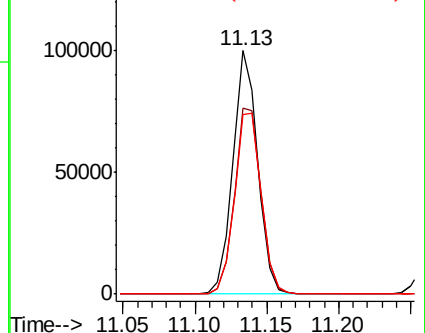
176 80.0 0.0 159.2

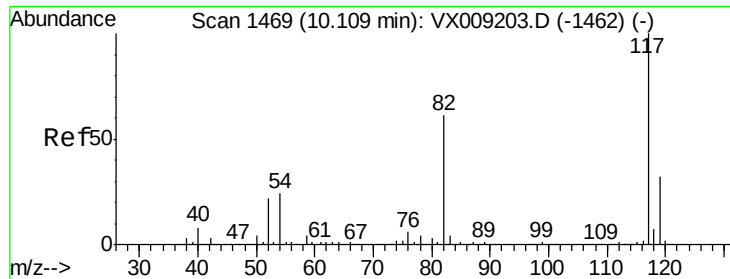


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

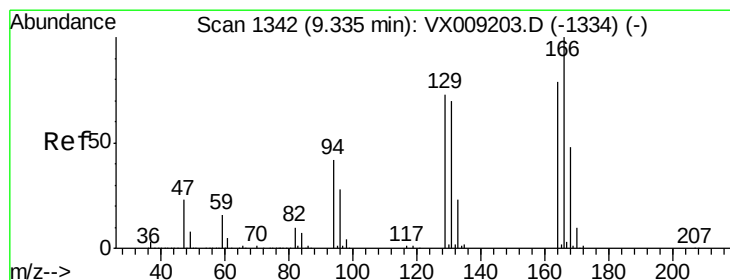
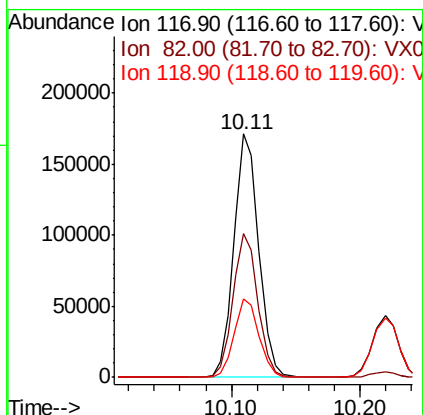
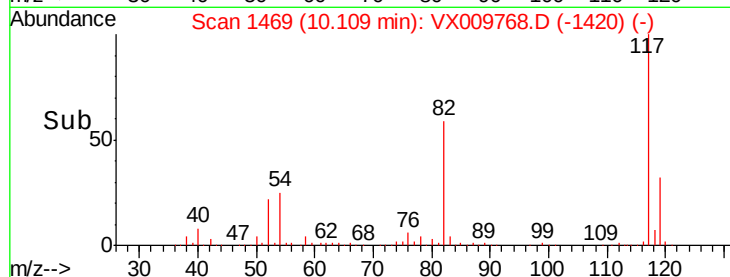
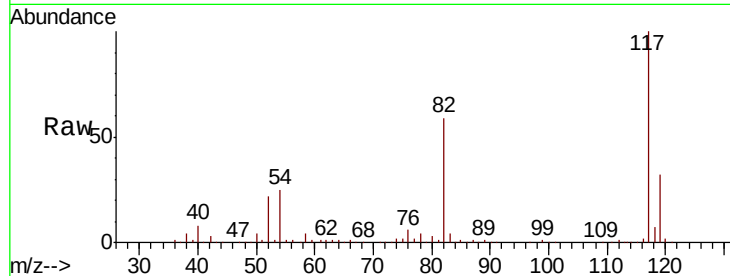




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

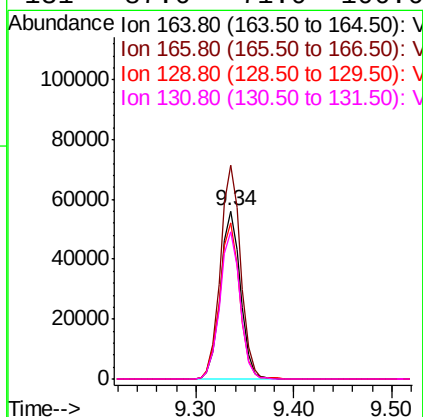
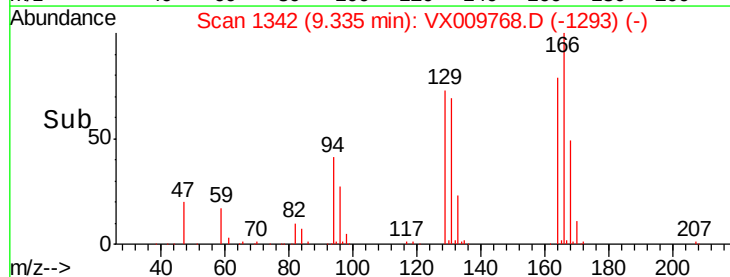
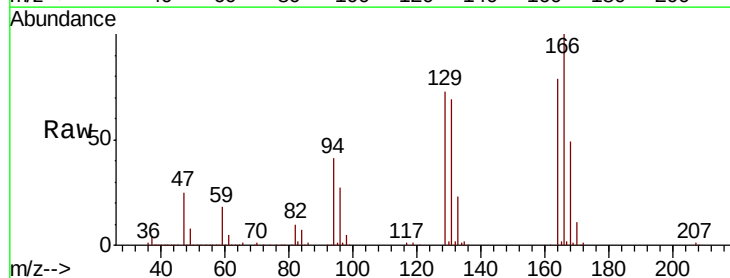
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

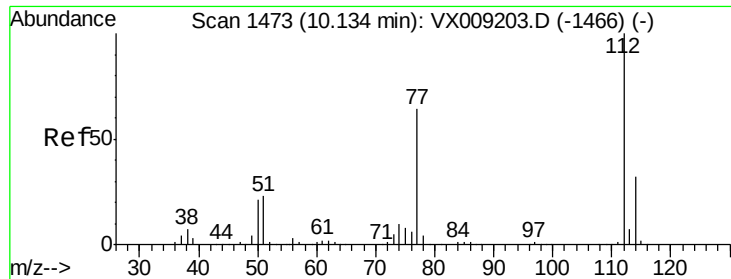
Tot Ion:117 Resp: 230068  
Ion Ratio Lower Upper  
117 100  
82 58.8 48.8 73.2  
119 32.1 25.8 38.6



#64  
Tetrachloroethene  
Concen: 50.547 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion:164 Resp: 79771  
Ion Ratio Lower Upper  
164 100  
166 127.3 101.2 151.8  
129 93.3 74.3 111.5  
131 87.6 71.0 106.6

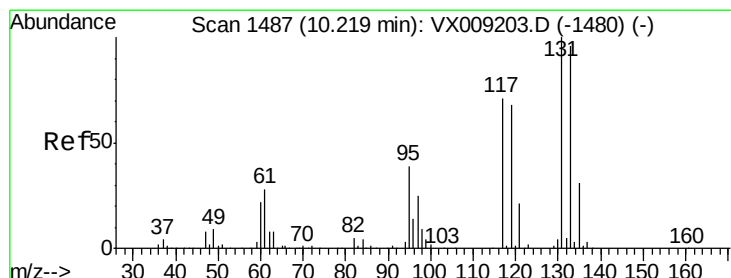
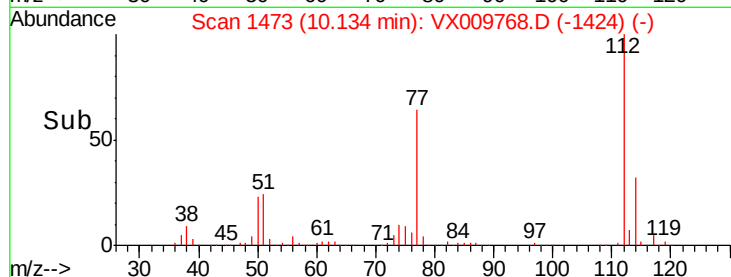
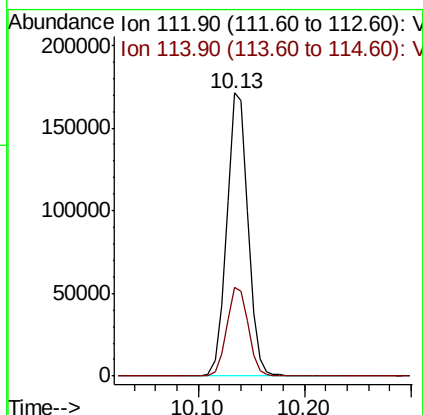
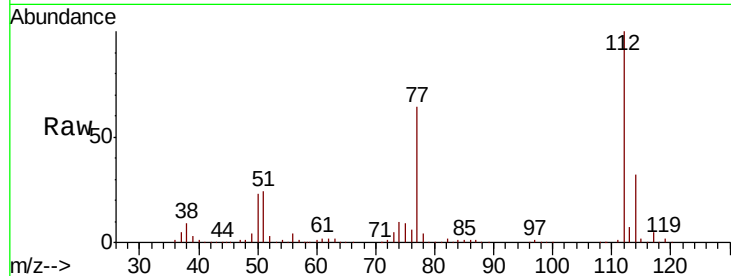




#65  
Chlorobenzene  
Concen: 51.997 ug/l  
RT: 10.13 min Scan# 1473  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

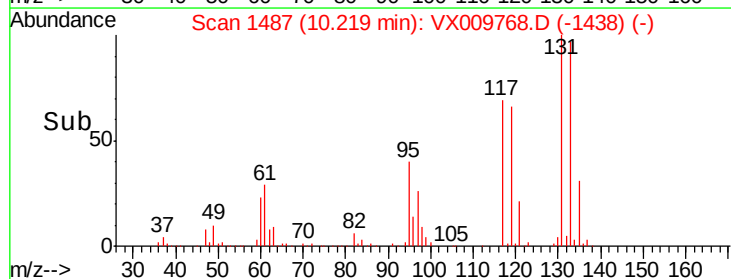
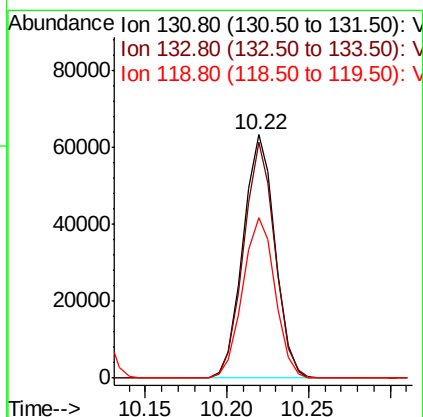
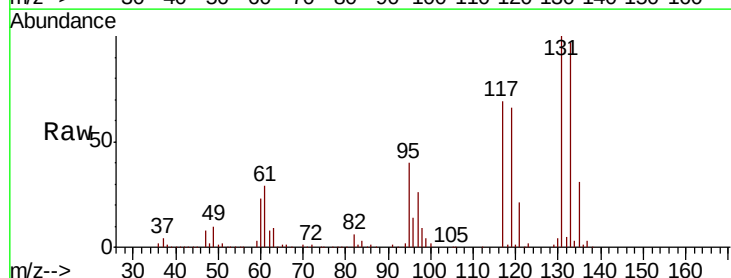
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

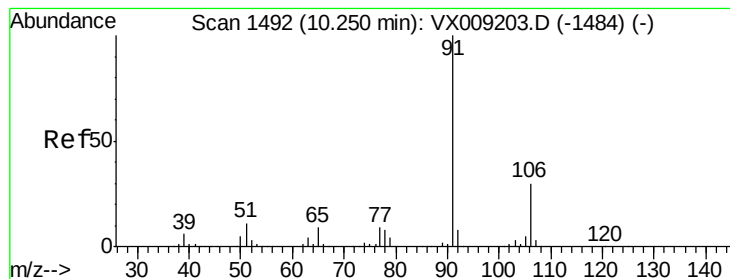
Tot Ion:112 Resp: 239310  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.748 ug/l  
RT: 10.22 min Scan# 1487  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion:131 Resp: 86345  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.7 143.1  
119 67.2 33.5 100.4





#67

Ethyl Benzene

Concen: 52.695 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

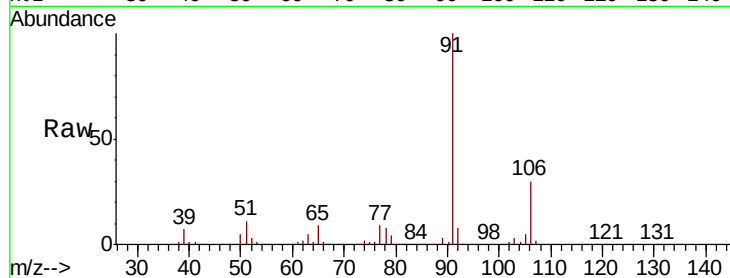
VSTDCCC050EC

Tot Ion: 91 Resp: 446337

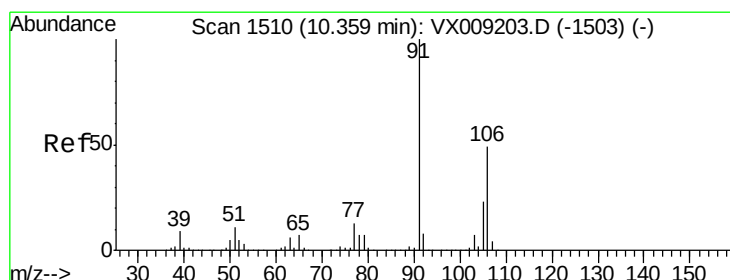
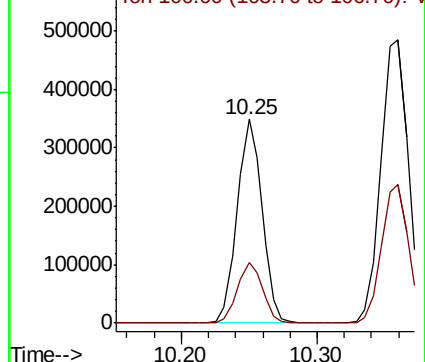
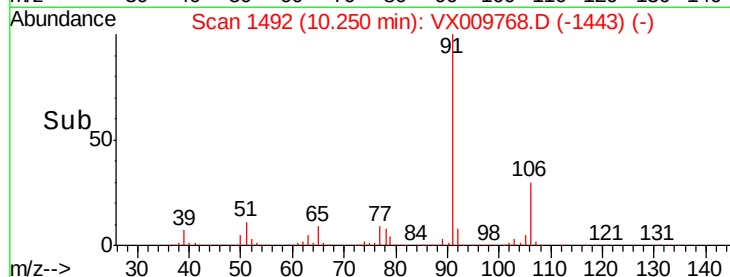
Ion Ratio Lower Upper

91 100

106 30.0 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX009768.D (-1443) (-)



#68

m/p-Xylenes

Concen: 105.827 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009768.D

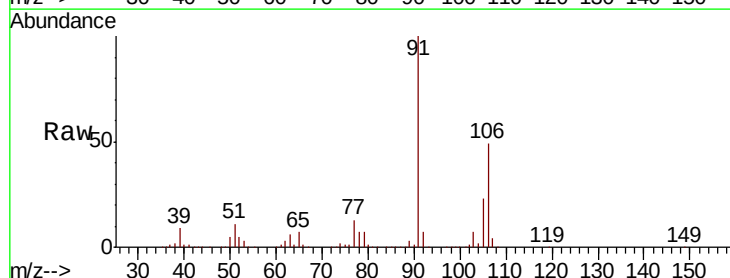
Acq: 21 May 2019 23:11

Tgt Ion: 106 Resp: 327563

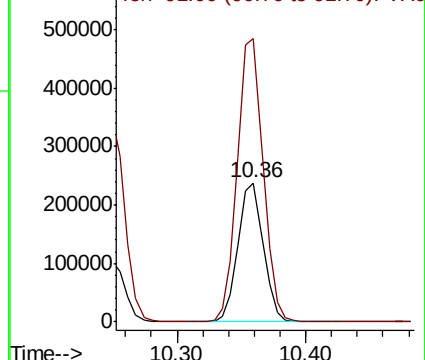
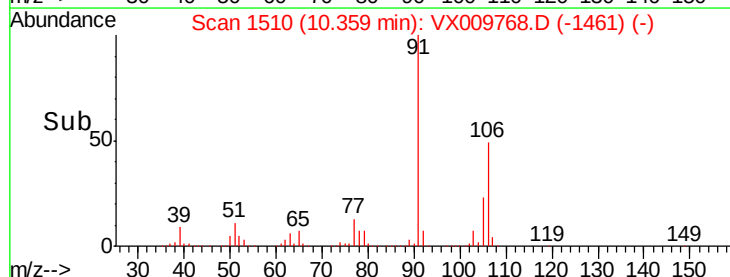
Ion Ratio Lower Upper

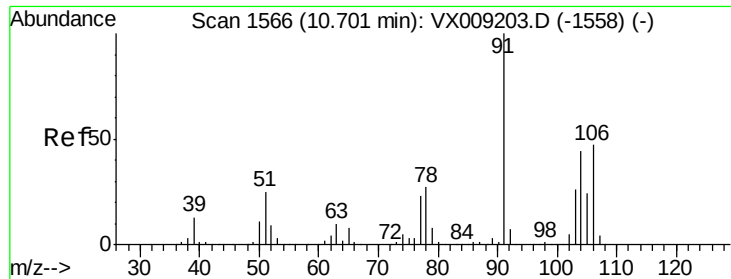
106 100

91 207.6 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009768.D (-1461) (-)

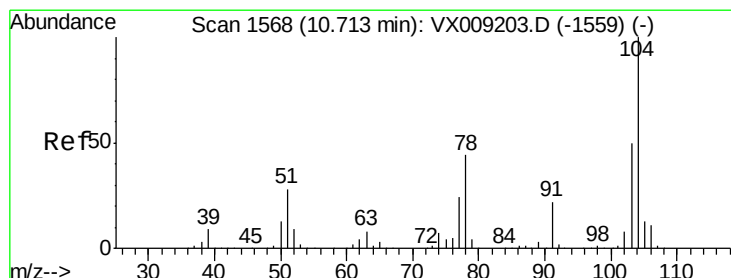
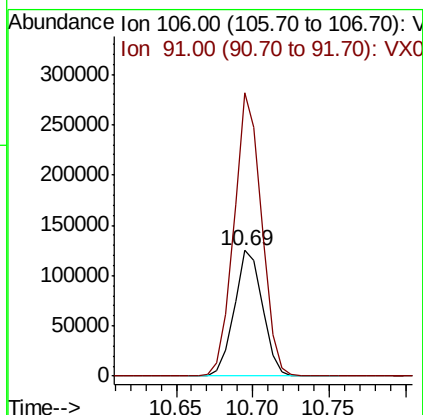
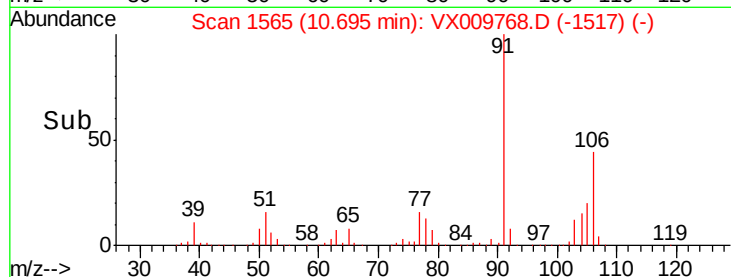
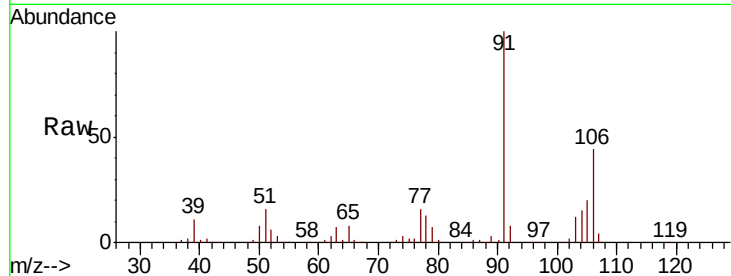




#69  
o-Xylene  
Concen: 52.332 ug/l  
RT: 10.69 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

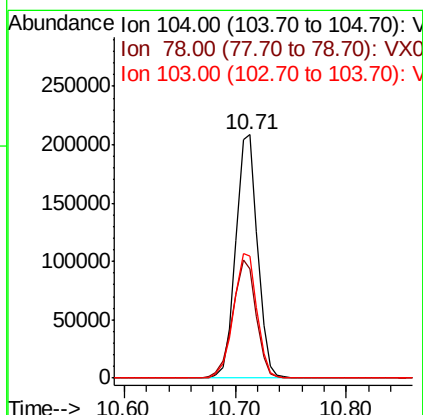
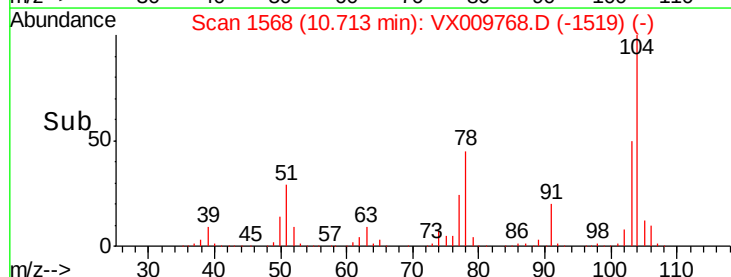
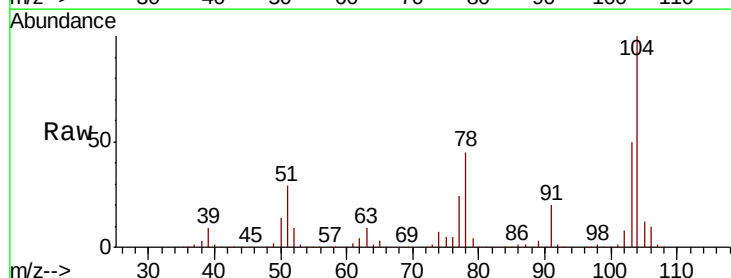
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

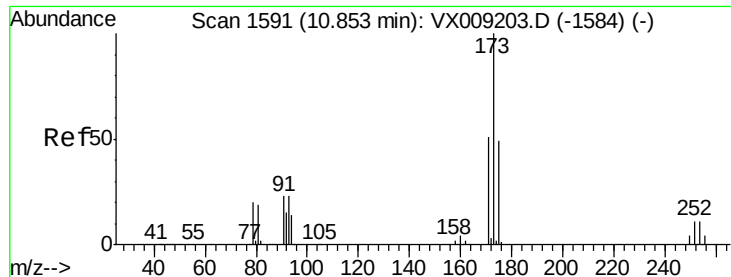
Tot Ion:106 Resp: 159818  
Ion Ratio Lower Upper  
106 100  
91 220.0 109.5 328.4



#70  
Styrene  
Concen: 53.083 ug/l  
RT: 10.71 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion:104 Resp: 281764  
Ion Ratio Lower Upper  
104 100  
78 52.3 41.0 61.4  
103 55.1 43.8 65.6





#71

Bromoform

Concen: 53.551 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

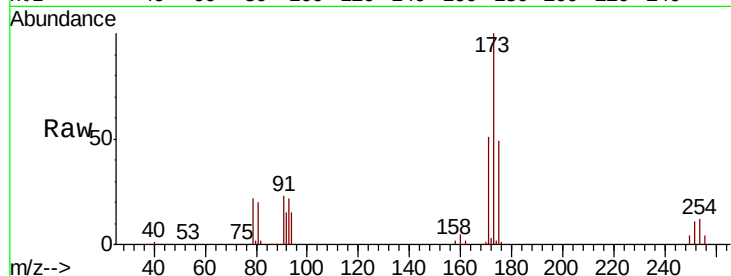
Tot Ion:173 Resp: 72613

Ion Ratio Lower Upper

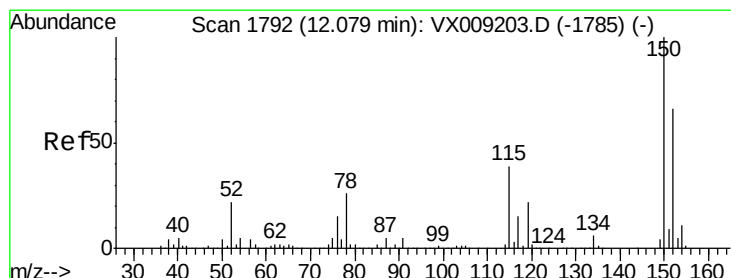
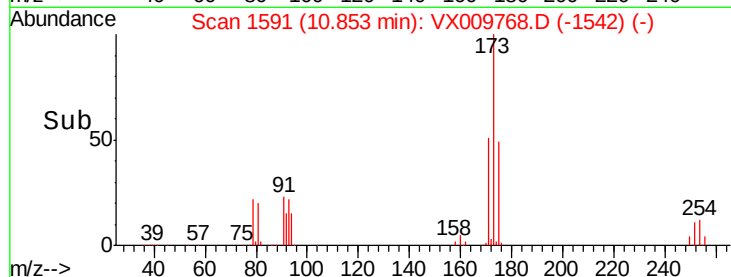
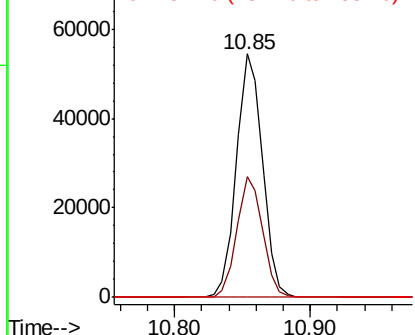
173 100

175 48.7 24.5 73.5

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

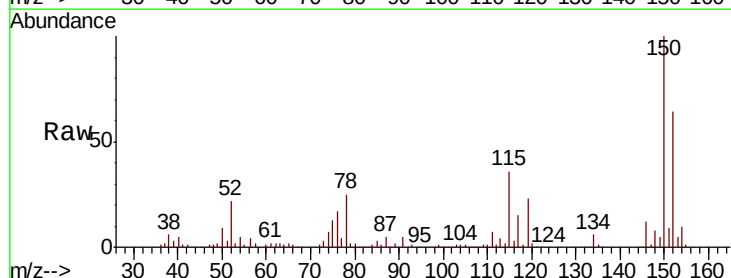
Tgt Ion:152 Resp: 112689

Ion Ratio Lower Upper

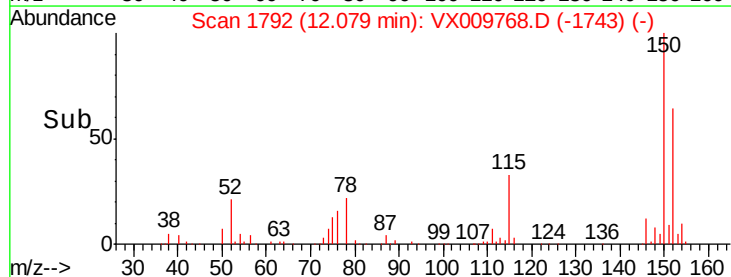
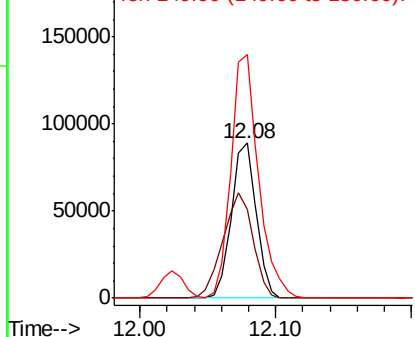
152 100

115 82.1 41.2 123.6

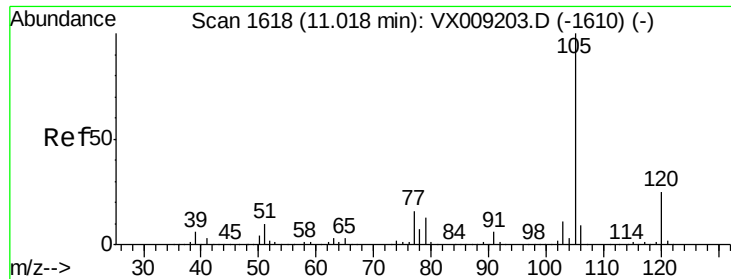
150 174.3 0.0 346.4



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







#73

Isopropylbenzene

Concen: 51.987 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

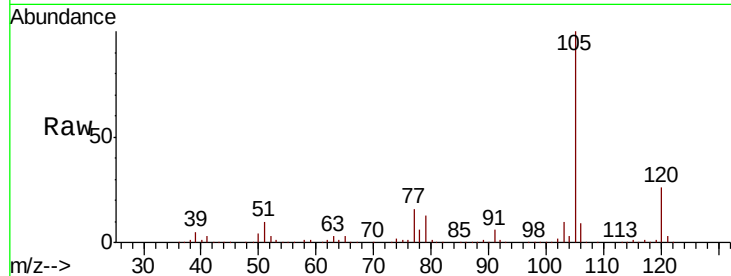
VSTDCCC050EC

Tot Ion:105 Resp: 426010

Ion Ratio Lower Upper

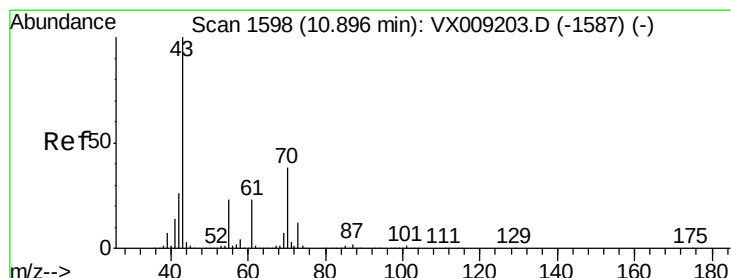
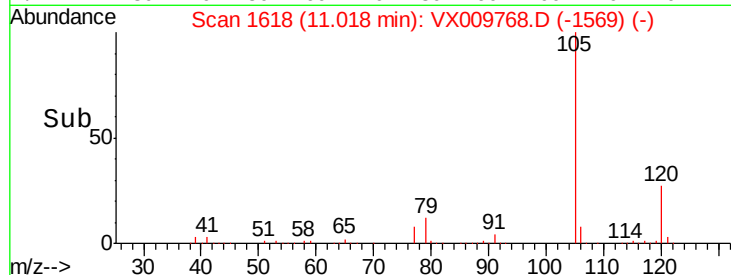
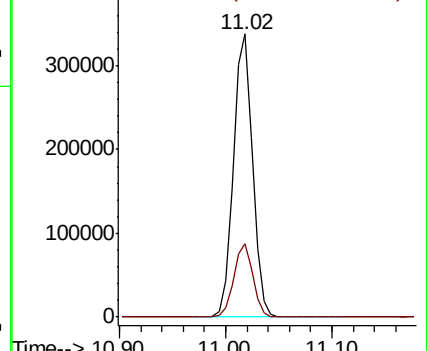
105 100

120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.140 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Tgt Ion: 43 Resp: 263434

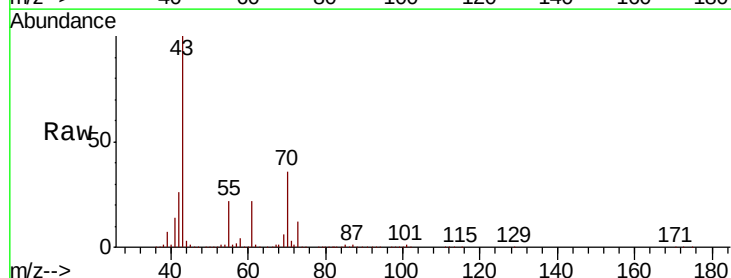
Ion Ratio Lower Upper

43 100

70 36.0 30.0 45.0

55 22.1 17.9 26.9

61 22.0 18.4 27.6

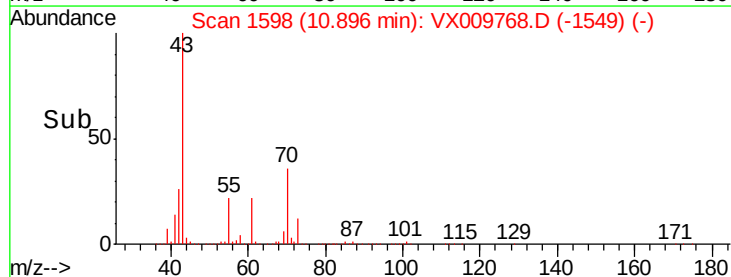
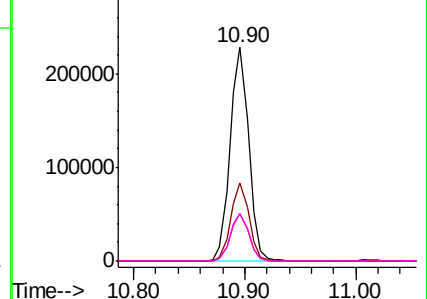


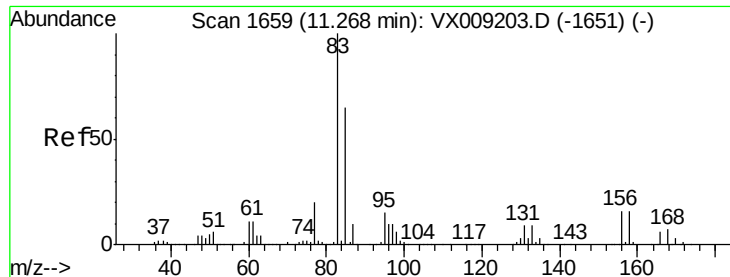
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.045 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

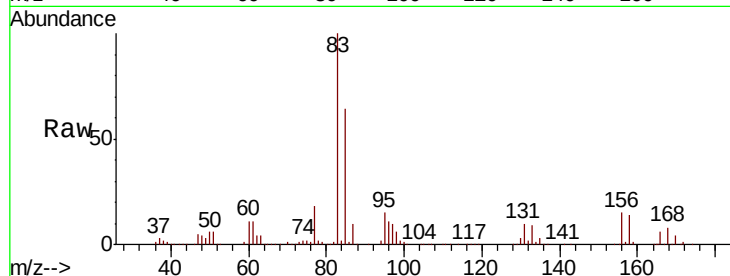
Tot Ion: 83 Resp: 155934

Ion Ratio Lower Upper

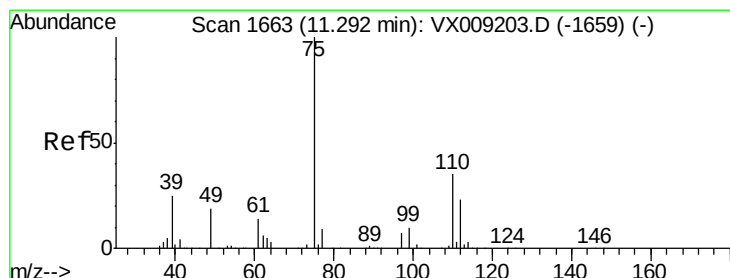
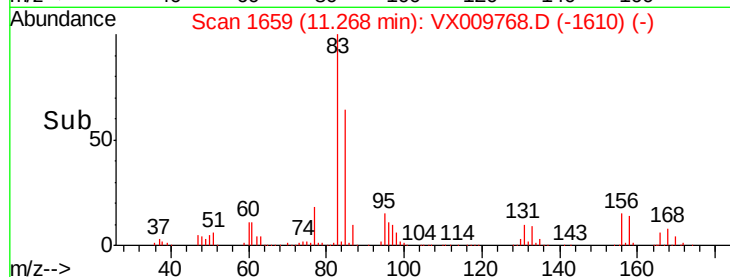
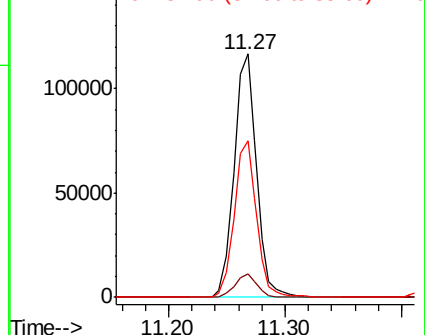
83 100

131 9.4 4.6 13.8

85 64.0 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0  
Ion 130.80 (130.50 to 131.50): V  
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 70.716 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009768.D

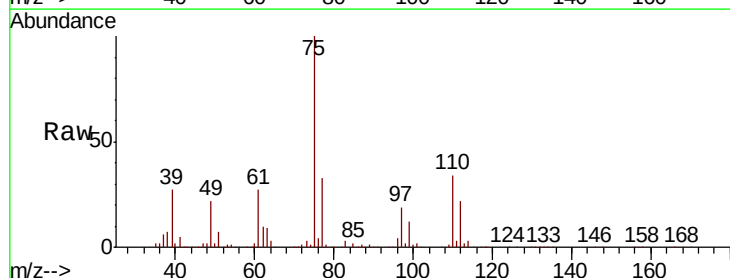
Acq: 21 May 2019 23:11

Tgt Ion: 75 Resp: 184850

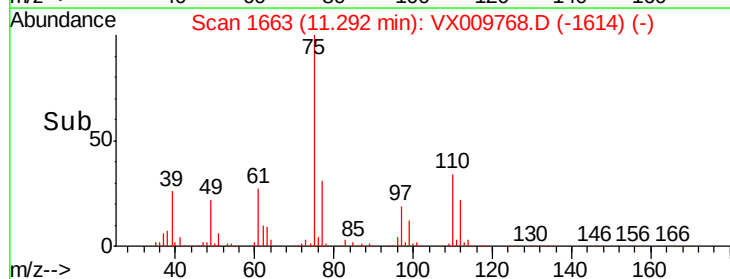
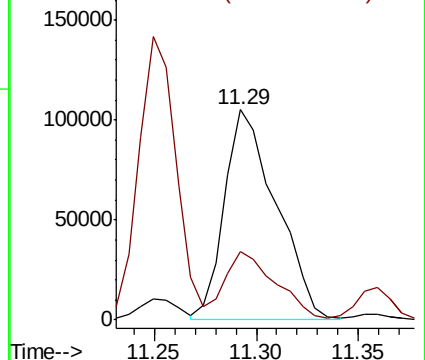
Ion Ratio Lower Upper

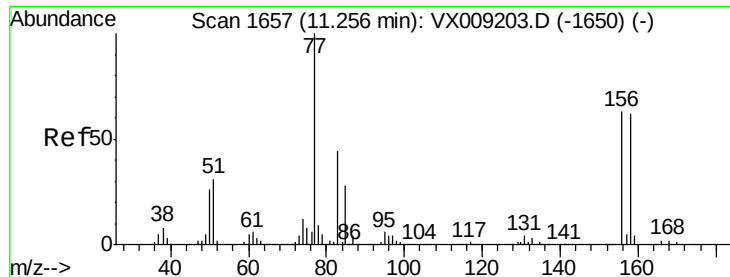
75 100

77 32.0 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0  
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.208 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

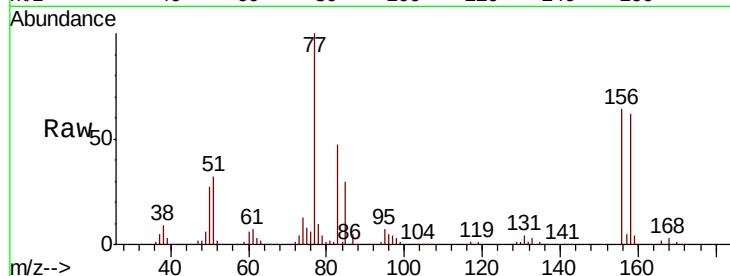
Tot Ion:156 Resp: 106188

Ion Ratio Lower Upper

156 100

77 170.6 84.8 254.3

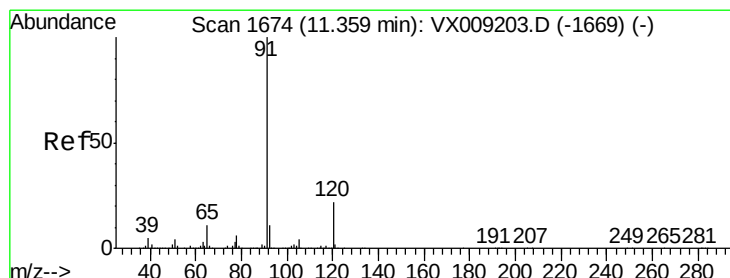
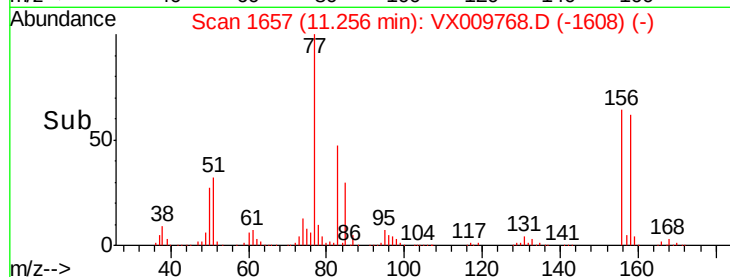
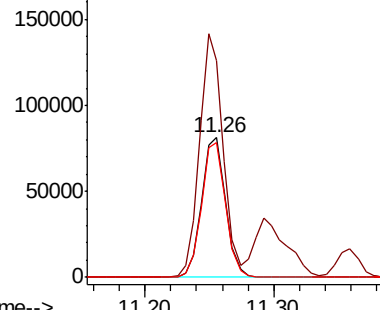
158 96.2 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.209 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009768.D

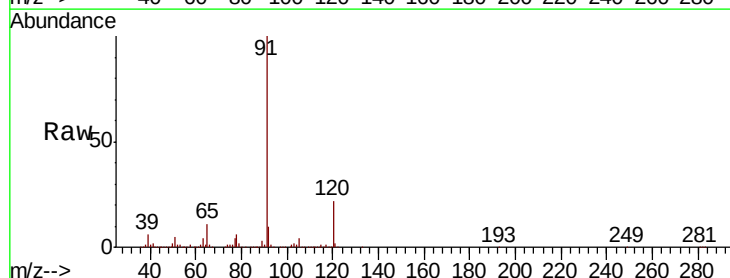
Acq: 21 May 2019 23:11

Tgt Ion: 91 Resp: 488603

Ion Ratio Lower Upper

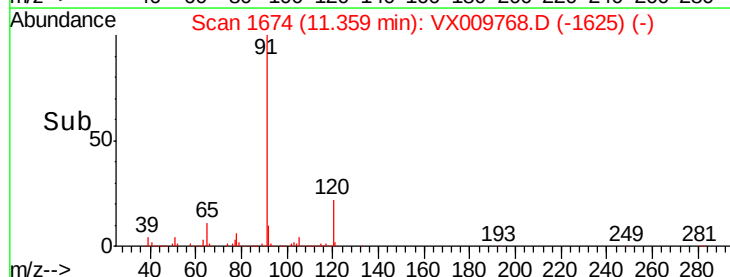
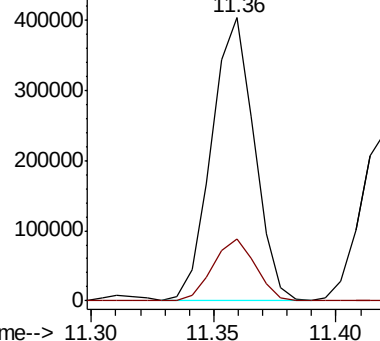
91 100

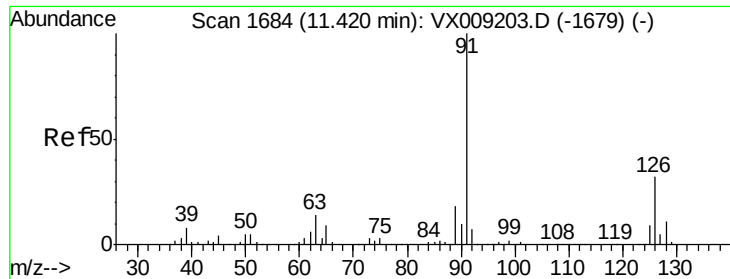
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

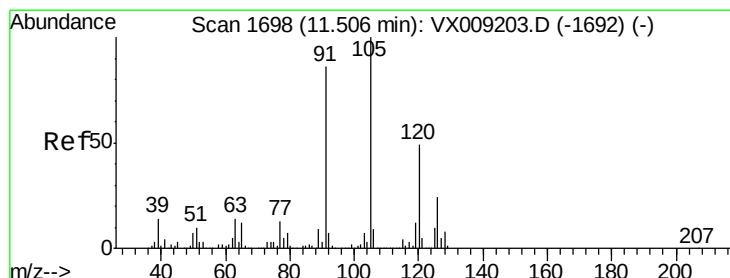
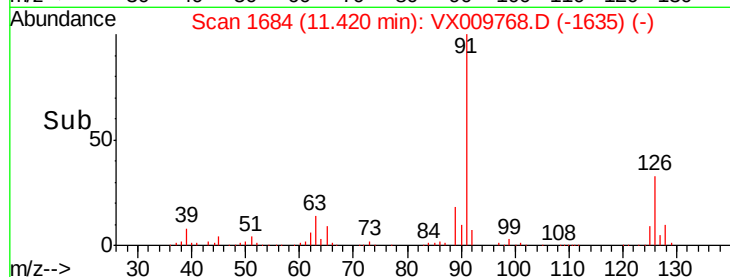
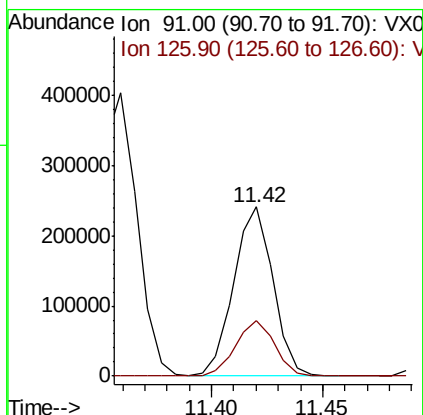
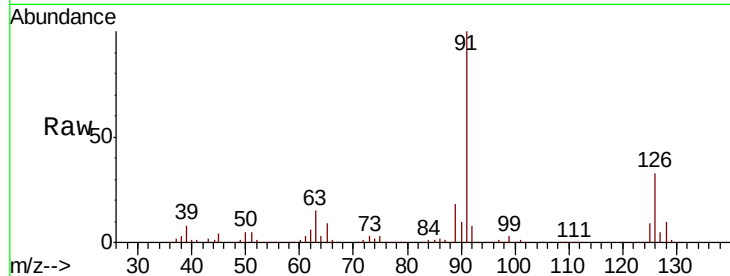




#79  
 2-Chlorotoluene  
 Concen: 51.056 ug/l  
 RT: 11.42 min Scan# 1684  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

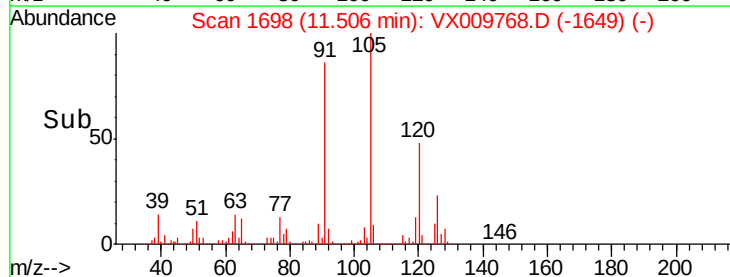
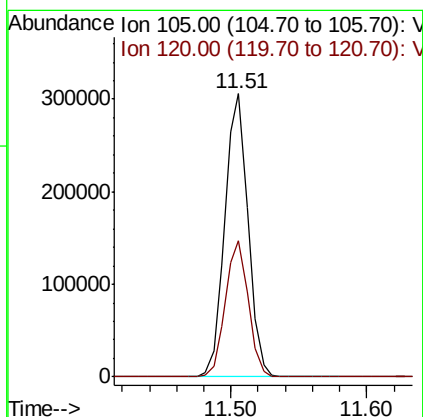
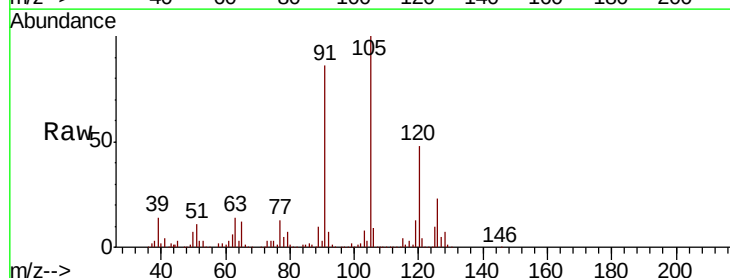
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

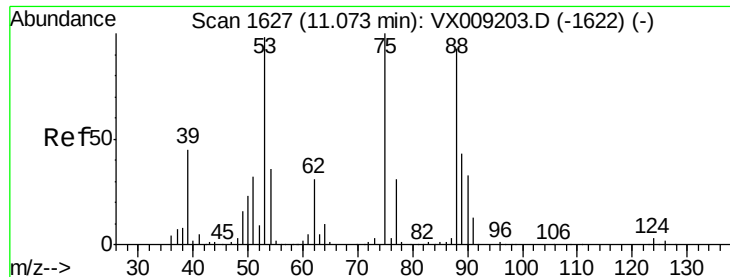
Tot Ion: 91 Resp: 294786  
 Ion Ratio Lower Upper  
 91 100  
 126 32.6 16.3 48.9



#80  
 1,3,5-Trimethylbenzene  
 Concen: 52.333 ug/l  
 RT: 11.51 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Tgt Ion: 105 Resp: 361092  
 Ion Ratio Lower Upper  
 105 100  
 120 47.9 24.3 72.9

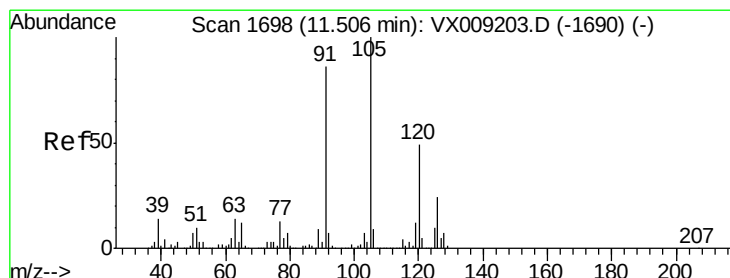
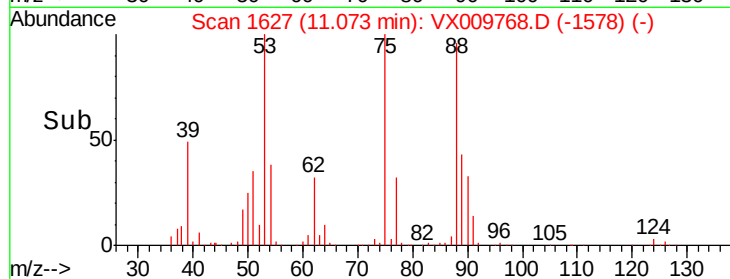
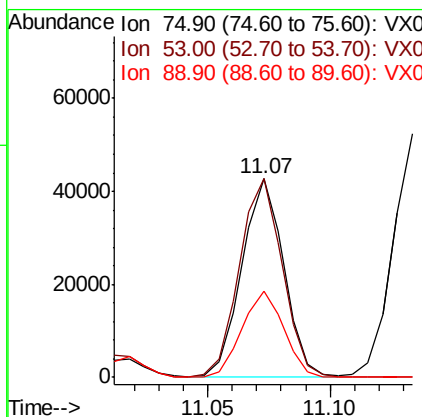
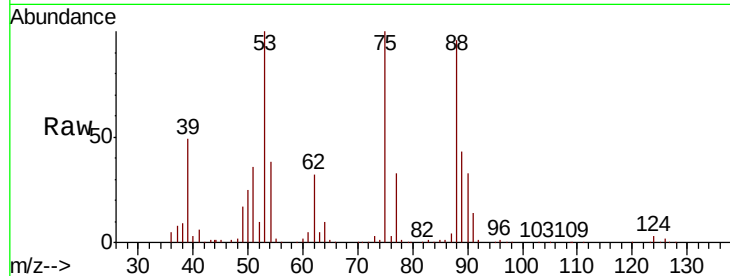




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.828 ug/l  
RT: 11.07 min Scan# 1627  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

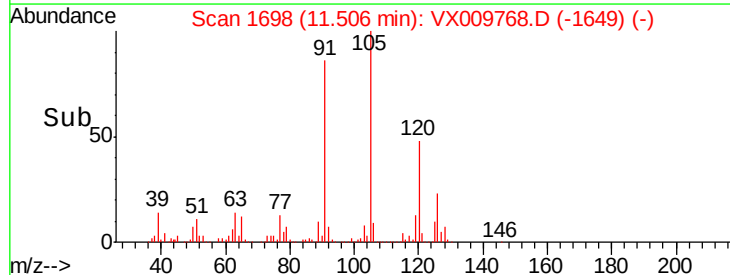
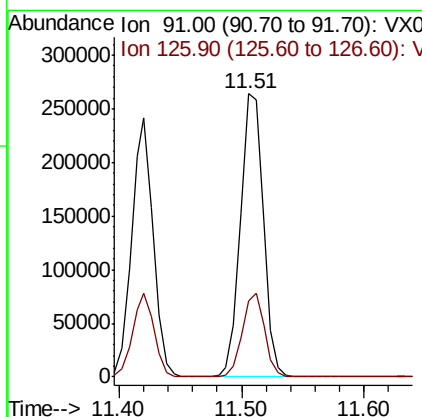
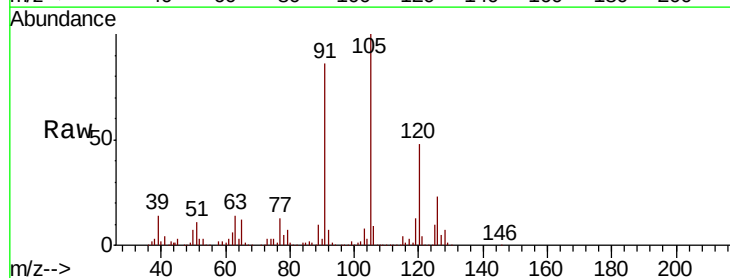
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

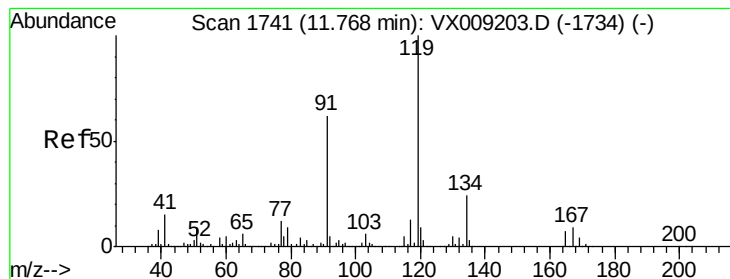
Tot Ion: 75 Resp: 50906  
Ion Ratio Lower Upper  
75 100  
53 102.6 79.0 118.6  
89 43.5 34.7 52.1



#82  
4-Chlorotoluene  
Concen: 52.278 ug/l  
RT: 11.51 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion: 91 Resp: 340997  
Ion Ratio Lower Upper  
91 100  
126 28.4 14.5 43.6





#83

tert-Butylbenzene

Concen: 51.805 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

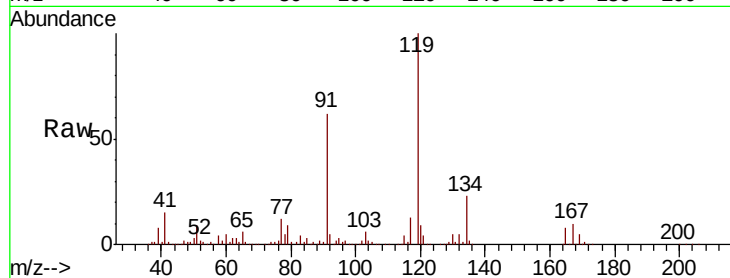
Tot Ion:119 Resp: 347724

Ion Ratio Lower Upper

119 100

91 59.1 29.5 88.5

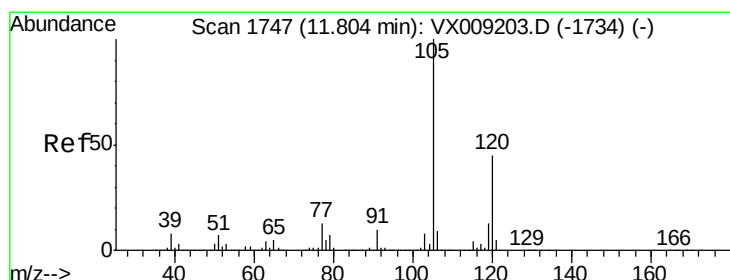
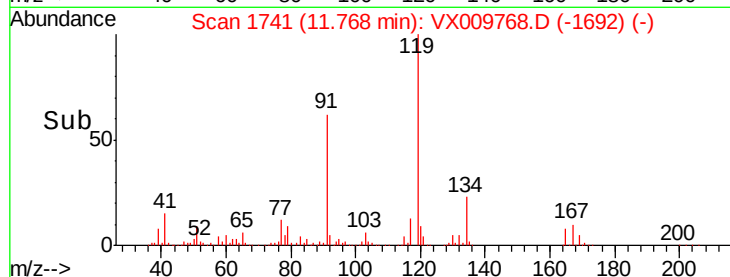
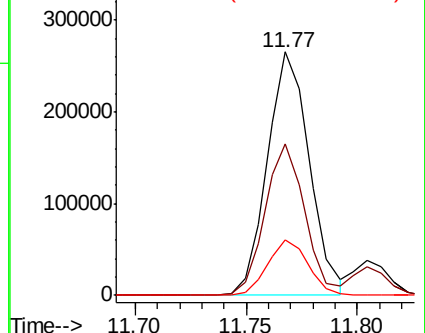
134 22.0 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.399 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009768.D

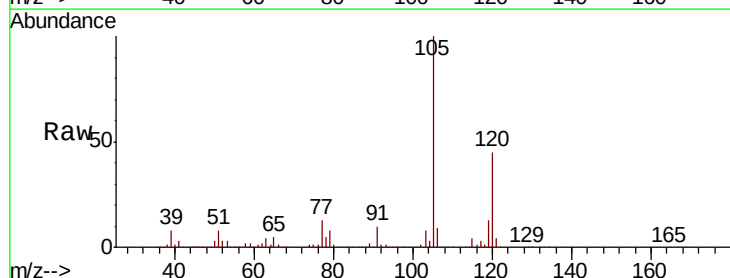
Acq: 21 May 2019 23:11

Tgt Ion:105 Resp: 362901

Ion Ratio Lower Upper

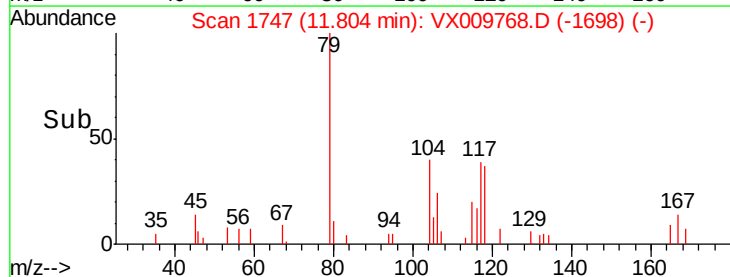
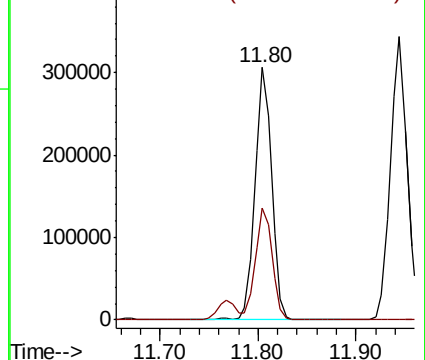
105 100

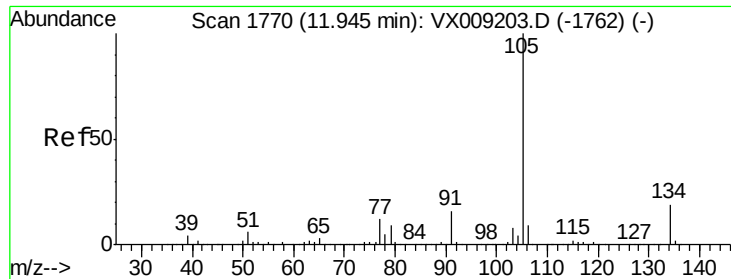
120 43.9 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.089 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

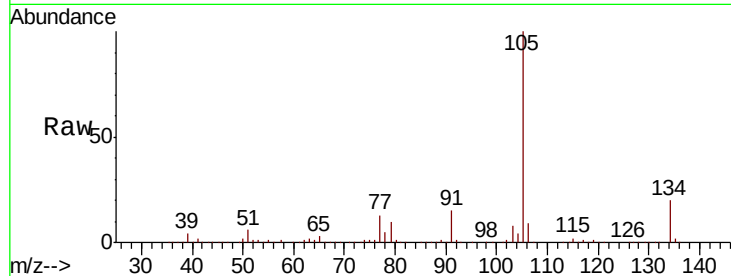
VSTDCCC050EC

Tot Ion:105 Resp: 406552

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

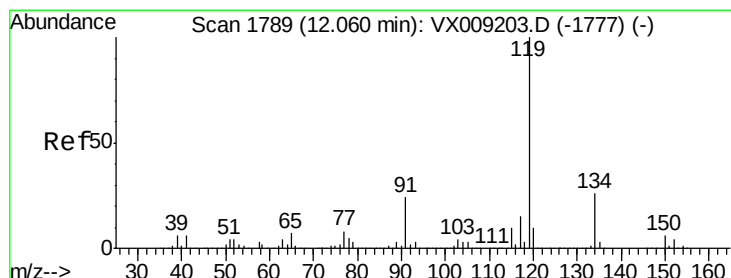
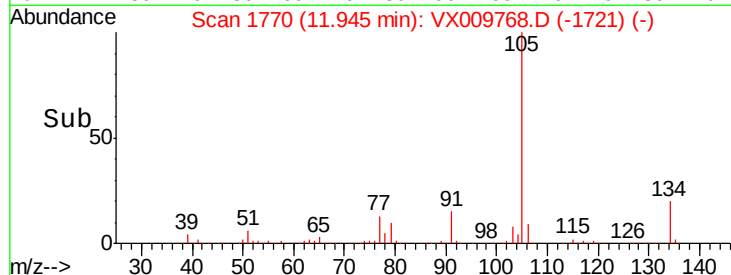
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.795 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

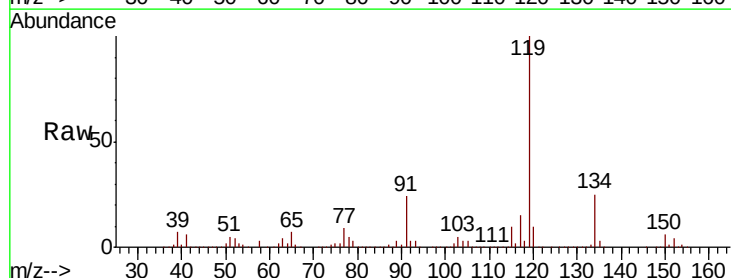
Tgt Ion:119 Resp: 370544

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.9 11.8 35.4



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): VX0

12.06

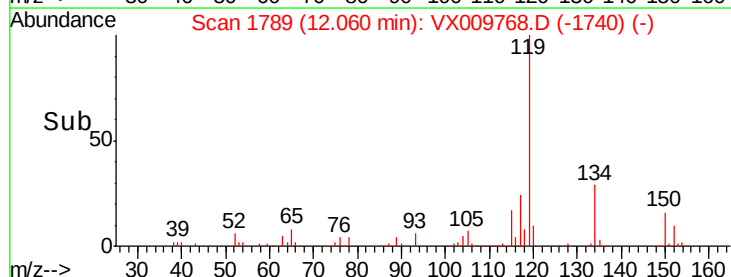
300000

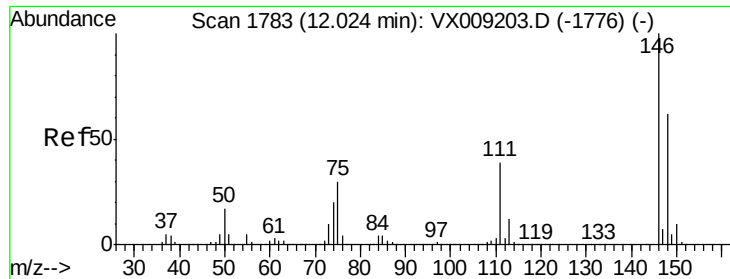
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.143 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

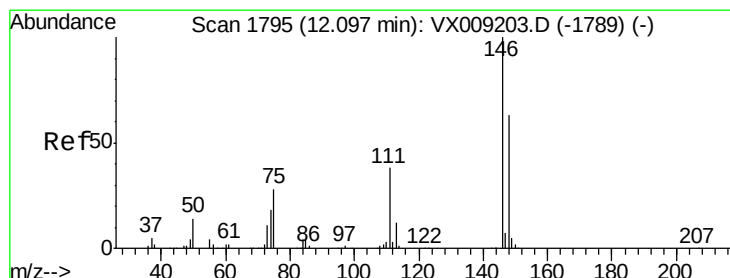
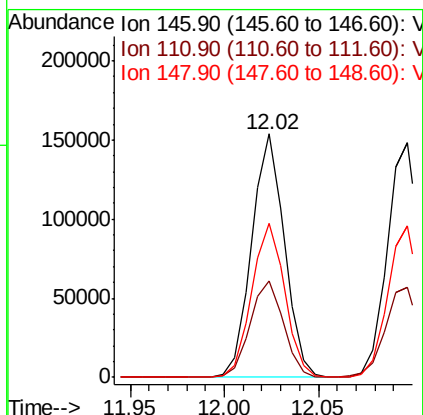
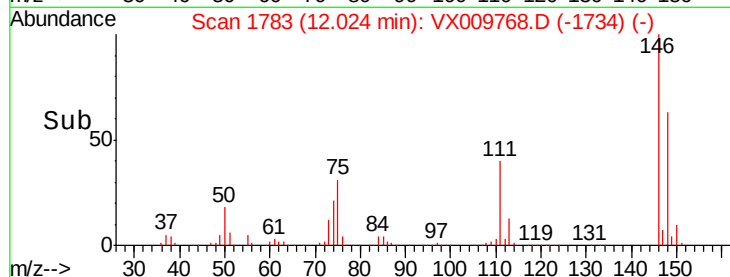
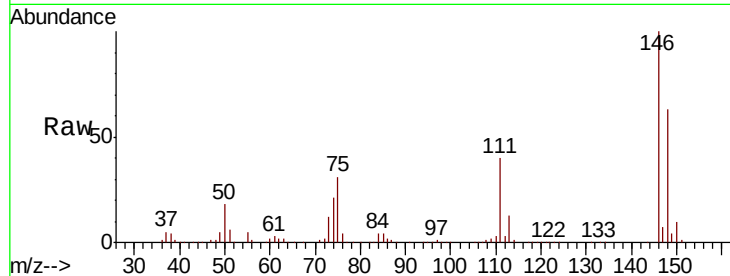
Tot Ion:146 Resp: 185438

Ion Ratio Lower Upper

146 100

111 40.2 20.0 59.9

148 63.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 50.394 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

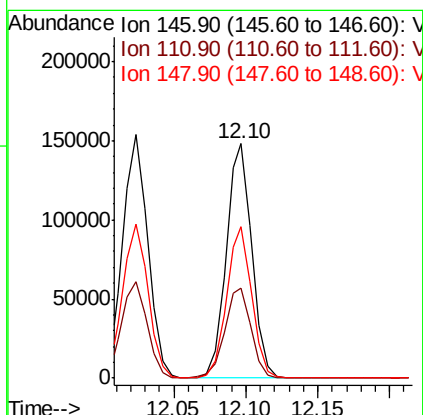
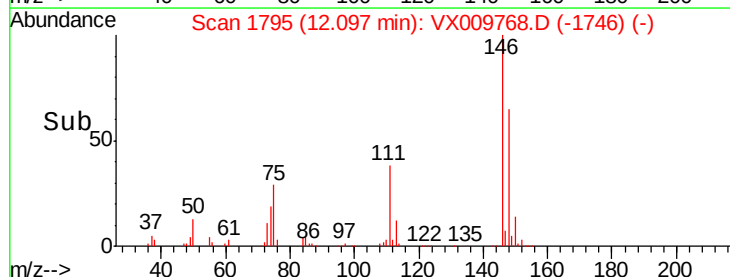
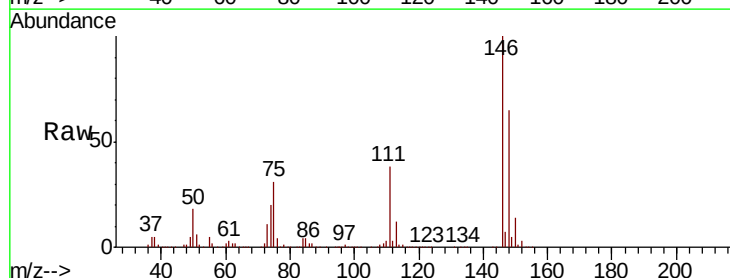
Tgt Ion:146 Resp: 184217

Ion Ratio Lower Upper

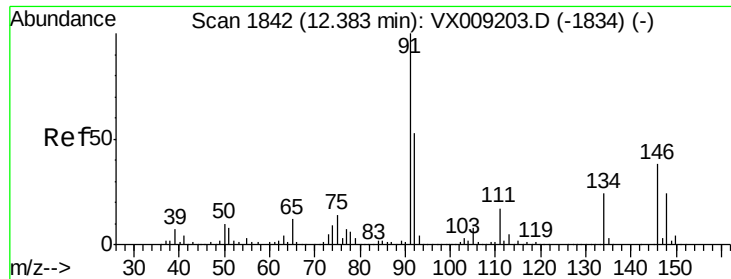
146 100

111 39.6 19.6 58.8

148 63.6 31.8 95.3







#89

n-Butylbenzene

Concen: 51.857 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009768.D

Acq: 21 May 2019 23:11

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

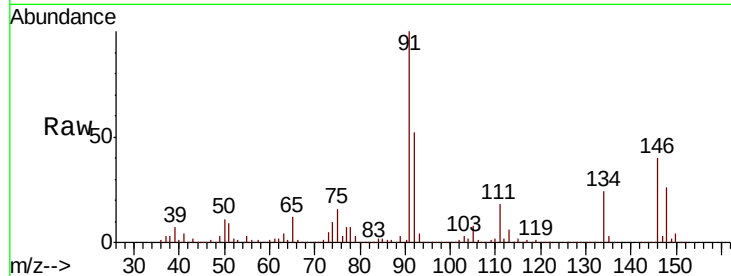
Tot Ion: 91 Resp: 335310

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

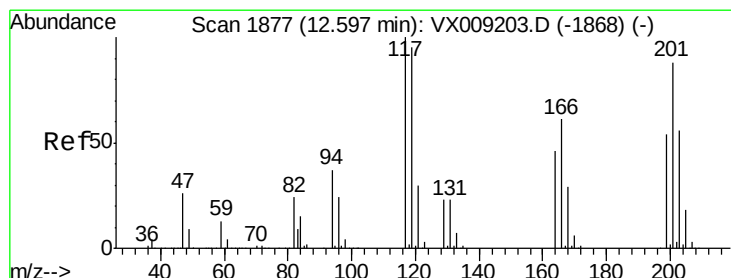
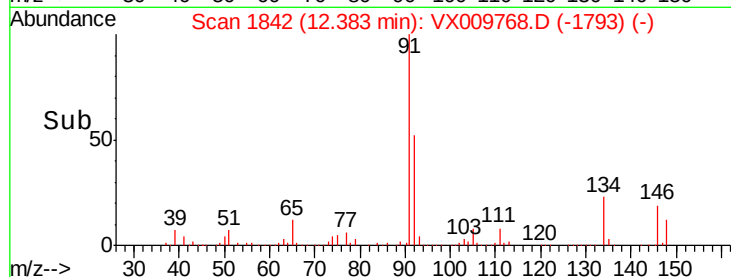
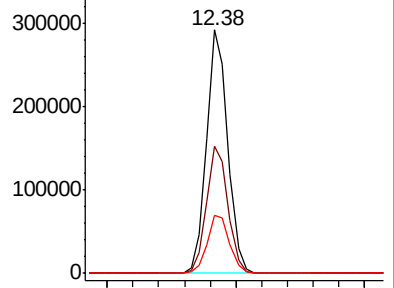
134 24.8 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX009203.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX009203.D (-1834) (-)



#90

Hexachloroethane

Concen: 52.257 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX009768.D

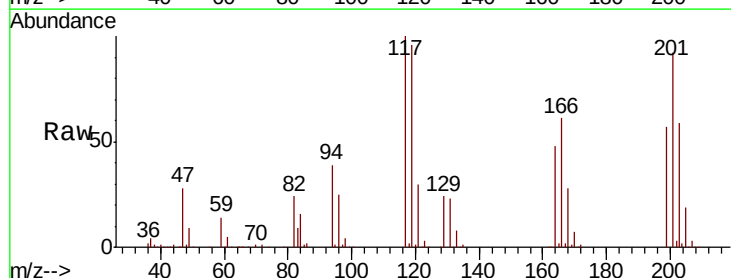
Acq: 21 May 2019 23:11

Tgt Ion: 117 Resp: 63691

Ion Ratio Lower Upper

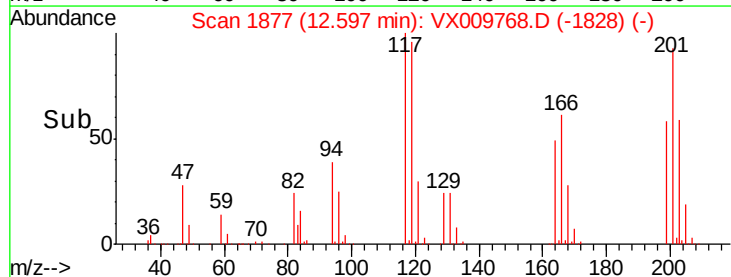
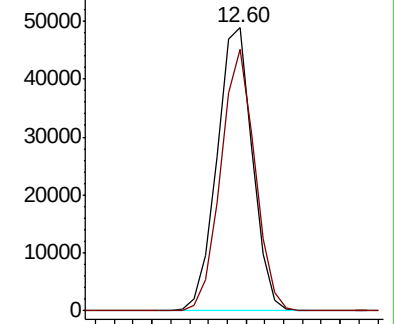
117 100

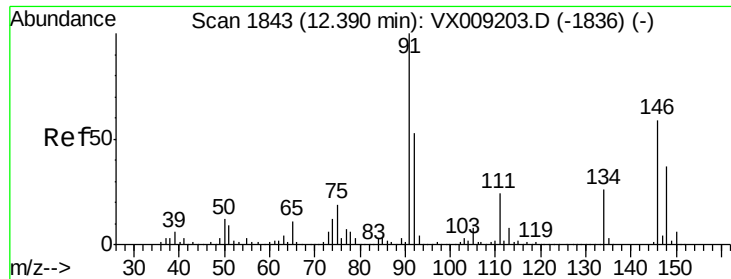
201 88.7 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): VX009203.D (-1868) (-)

Ion 200.70 (200.40 to 201.40): VX009203.D (-1868) (-)

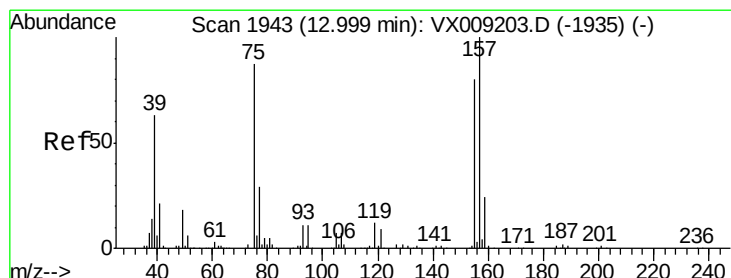
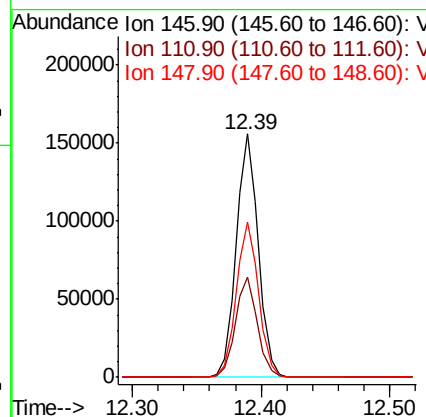
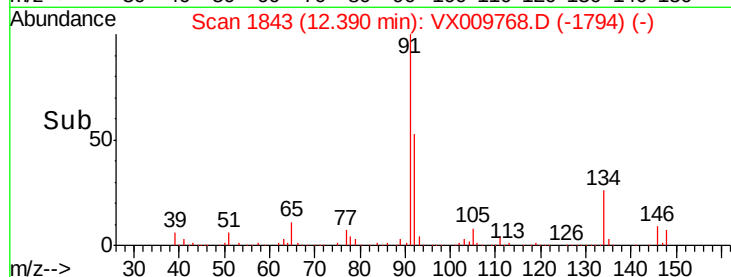
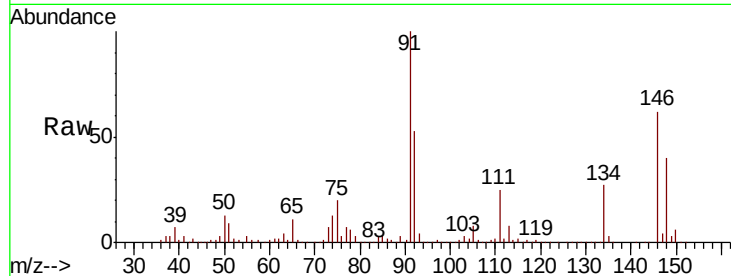




#91  
 1,2-Dichlorobenzene  
 Concen: 50.410 ug/l  
 RT: 12.39 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

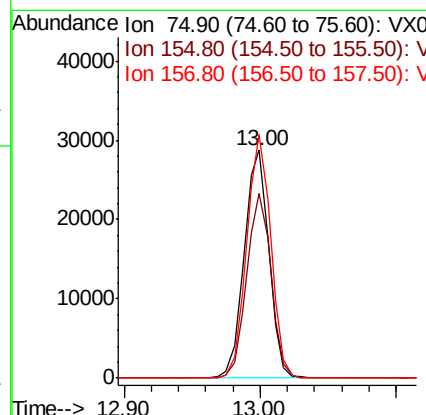
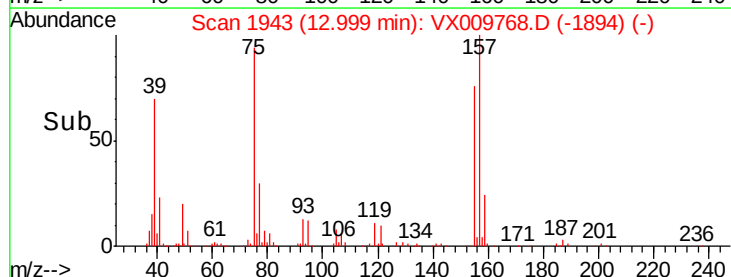
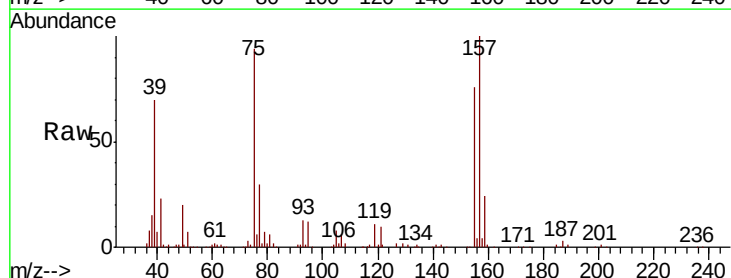
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

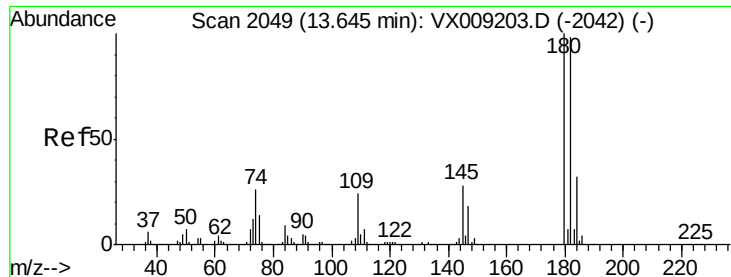
Tot Ion:146 Resp: 186168  
 Ion Ratio Lower Upper  
 146 100  
 111 41.1 20.8 62.4  
 148 64.4 31.9 95.9



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.985 ug/l  
 RT: 13.00 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Tgt Ion: 75 Resp: 36310  
 Ion Ratio Lower Upper  
 75 100  
 155 80.0 42.0 126.0  
 157 104.5 53.2 159.6

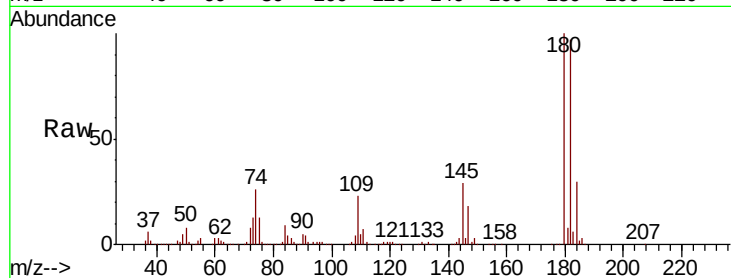




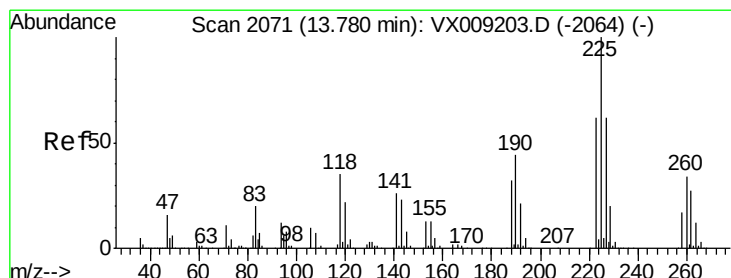
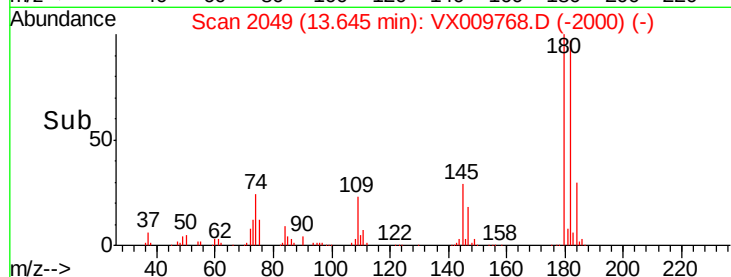
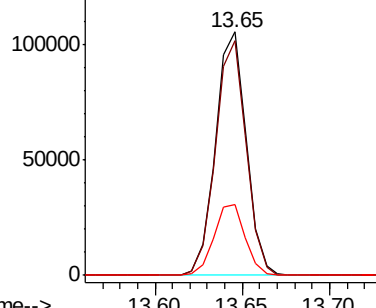
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.915 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.8  | 48.4  | 145.2 |
| 145     | 29.4  | 14.6  | 43.8  |

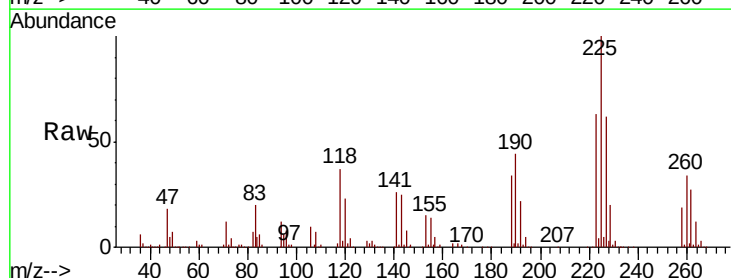


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

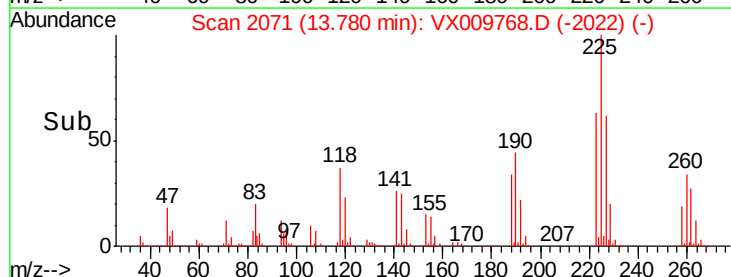
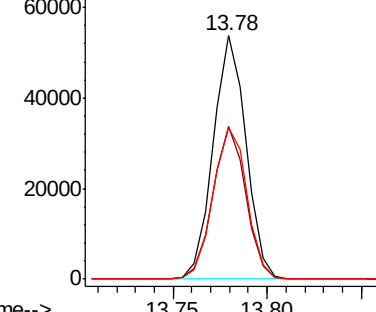


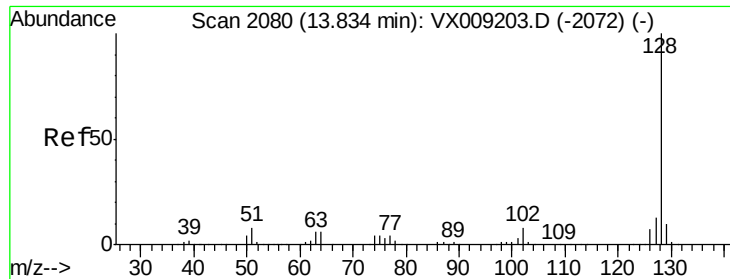
#94  
 Hexachlorobutadiene  
 Concen: 50.265 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VX009768.D  
 Acq: 21 May 2019 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.7  | 31.3  | 93.8  |
| 227     | 64.2  | 31.8  | 95.3  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

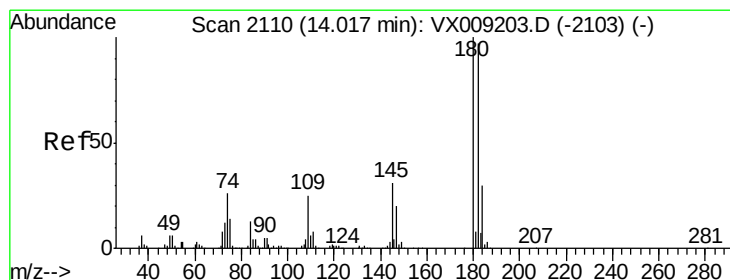
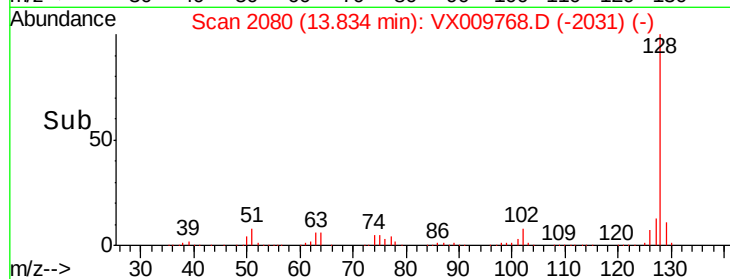
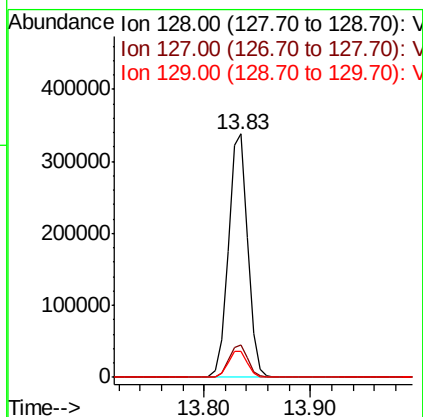
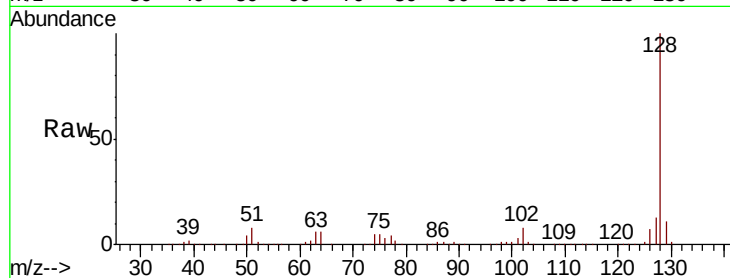




#95  
Naphthalene  
Concen: 52.076 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:128 Resp: 427875  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.4 15.6  
129 10.9 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 51.720 ug/l  
RT: 14.02 min Scan# 2110  
Delta R.T. 0.00 min  
Lab File: VX009768.D  
Acq: 21 May 2019 23:11

Tgt Ion:180 Resp: 132402  
Ion Ratio Lower Upper  
180 100  
182 93.9 47.8 143.4  
145 30.8 15.4 46.4

