

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032319\  
 Data File : VX008360.D  
 Acq On : 23 Mar 2019 19:20  
 Operator : JC/SP  
 Sample : K1937-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW313S-20190313

Quant Time: Mar 25 08:01:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032319W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 23 15:27:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 226984   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 397947   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 341216   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 140543   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 167698   | 48.44 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.88% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 124082   | 48.13 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.26% |          |
| 50) Toluene-d8              | 8.71  | 98   | 497742   | 48.81 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.62% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 167095   | 44.63 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.26% |          |

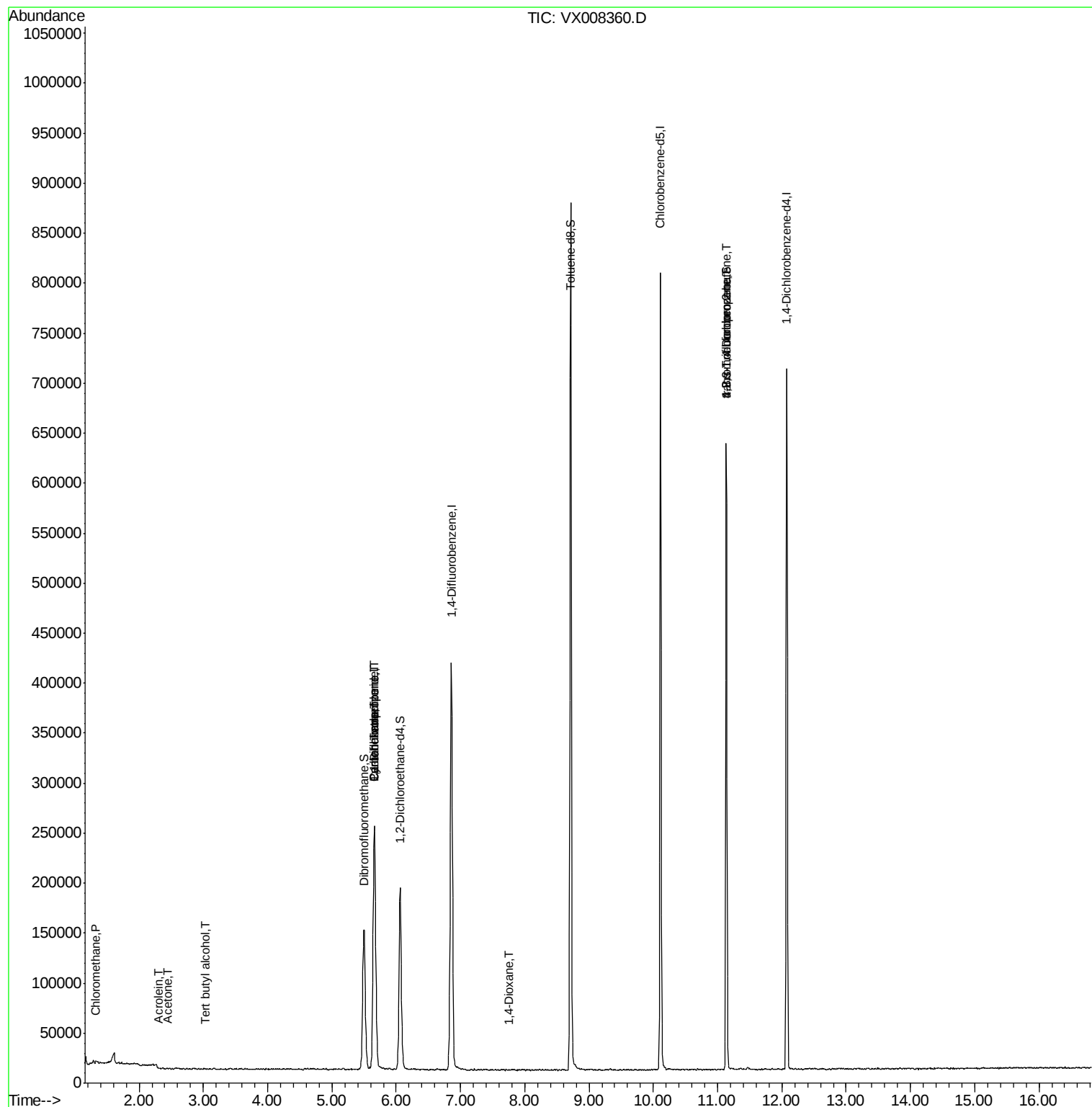
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 3) Chloromethane               | 1.32  | 50   | 1063     | 0.279  | ug/l   | 93     |
| 11) Tert butyl alcohol         | 3.03  | 59   | 539      | 0.699  | ug/l # | 90     |
| 13) Acrolein                   | 2.31  | 56   | 181      | 0.275  | ug/l # | 68     |
| 16) Acetone                    | 2.45  | 43   | 1204     | 0.696  | ug/l   | 91     |
| 31) Cyclohexane                | 5.66  | 56   | 5408     | 0.993  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.66  | 75   | 20202    | 4.968  | ug/l # | 48     |
| 38) Carbon Tetrachloride       | 5.66  | 117  | 22873    | 6.562  | ug/l # | 18     |
| 49) 1,4-Dioxane                | 7.75  | 88   | 23       | 0.264  | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 11.13 | 75   | 86927    | 23.630 | ug/l # | 39     |
| 81) trans-1,4-Dichloro-2-buten | 11.13 | 75   | 86927    | 67.339 | ug/l # | 11     |

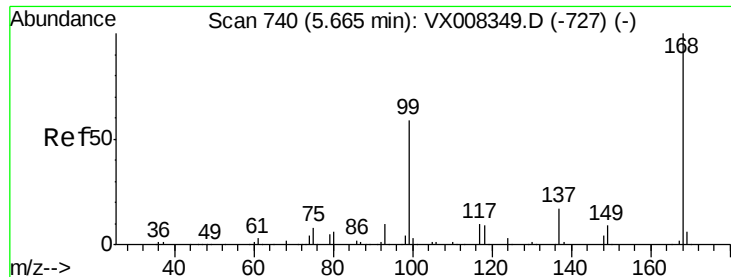
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032319\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032319W.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 23 15:27:34 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

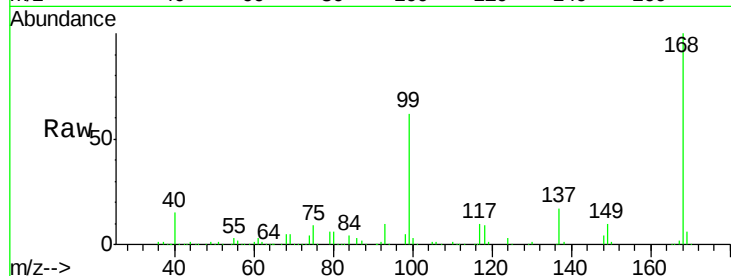
BPS1-TT-MW313S-20190313

Tot Ion:168 Resp: 226984

Ion Ratio Lower Upper

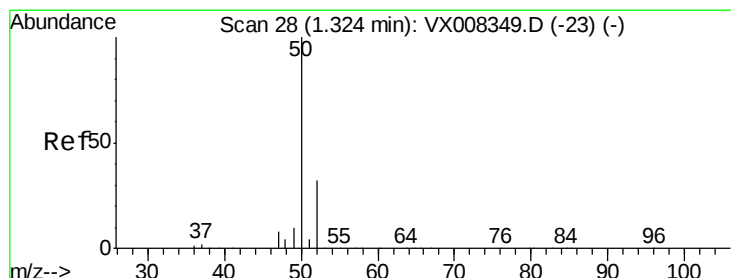
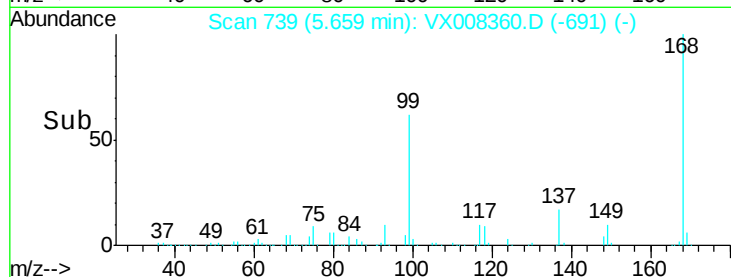
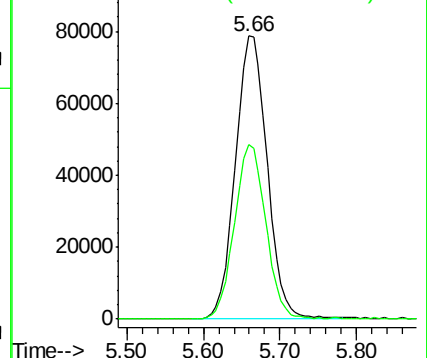
168 100

99 61.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.279 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008360.D

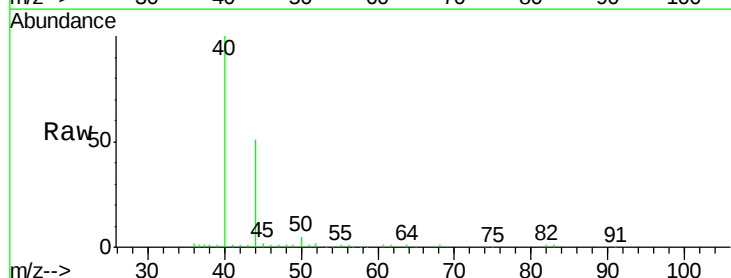
Acq: 23 Mar 2019 19:20

Tgt Ion: 50 Resp: 1063

Ion Ratio Lower Upper

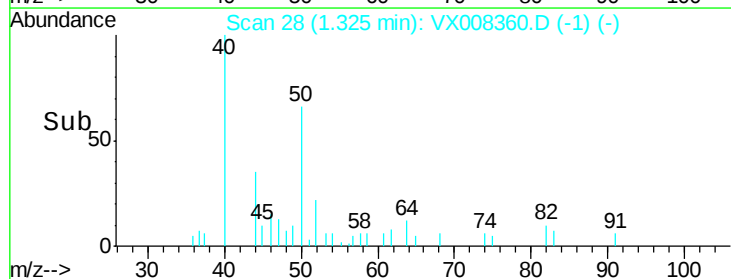
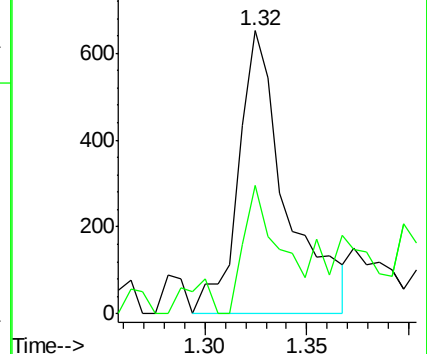
50 100

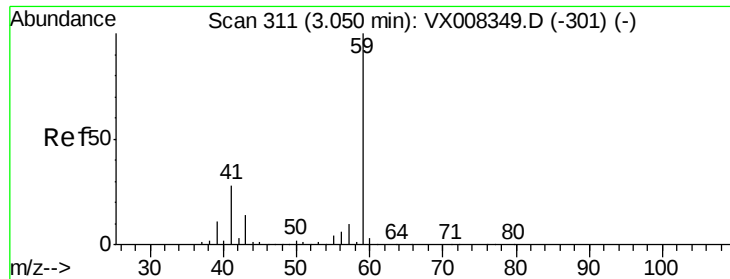
52 37.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

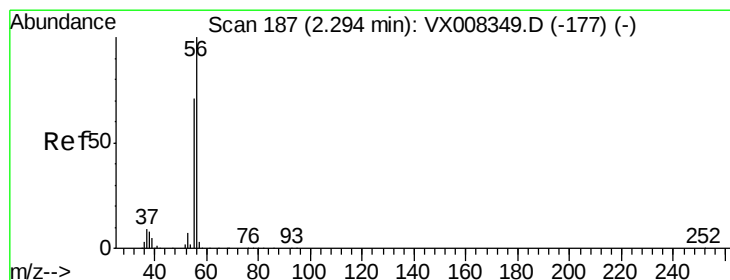
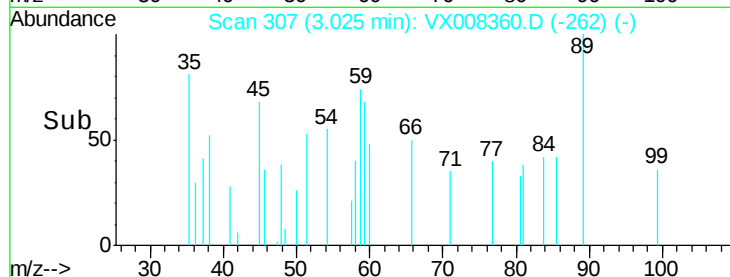
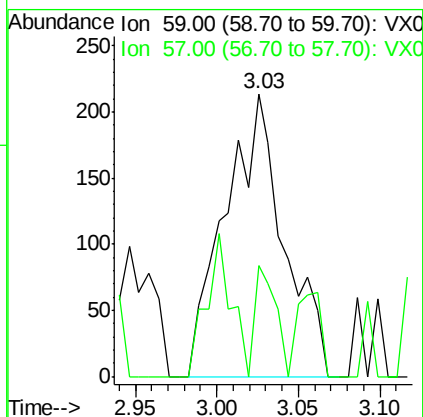
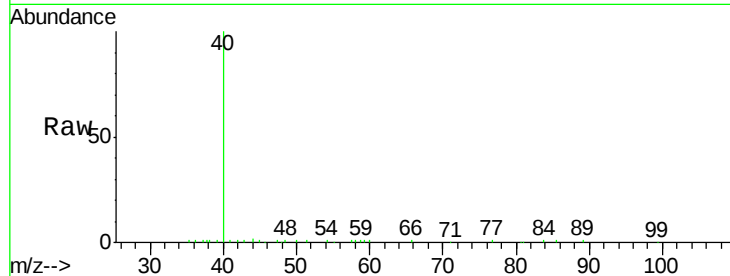




#11  
Tert butvl alcohol  
Concen: 0.699 ug/l  
RT: 3.03 min Scan# 307  
Delta R.T. -0.02 min  
Lab File: VX008360.D  
Acq: 23 Mar 2019 19:20

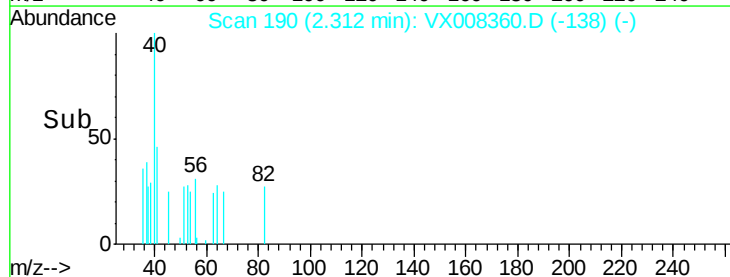
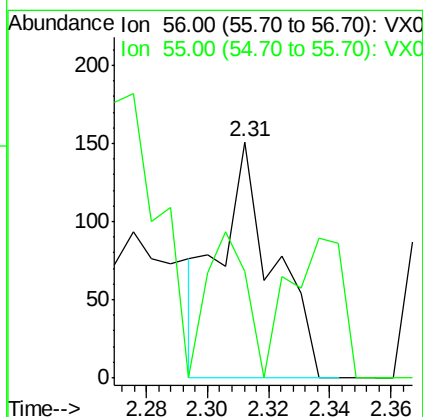
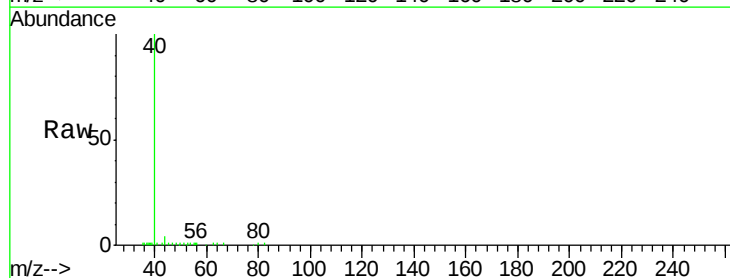
Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW313S-20190313

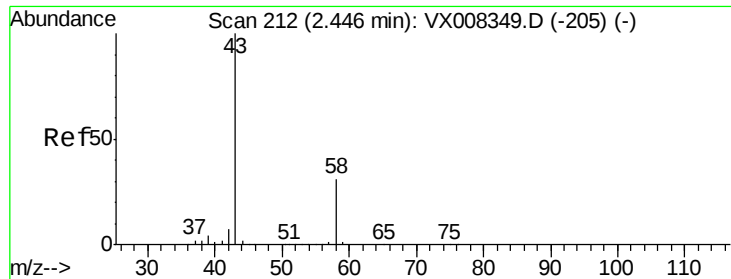
Tot Ion: 59 Resp: 539  
Ion Ratio Lower Upper  
59 100  
57 13.9 8.2 12.2#



#13  
Acrolein  
Concen: 0.275 ug/l  
RT: 2.31 min Scan# 190  
Delta R.T. 0.02 min  
Lab File: VX008360.D  
Acq: 23 Mar 2019 19:20

Tgt Ion: 56 Resp: 181  
Ion Ratio Lower Upper  
56 100  
55 45.9 57.8 86.6#





#16

Acetone

Concen: 0.696 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

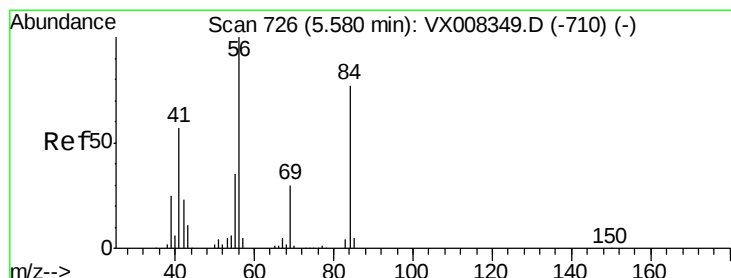
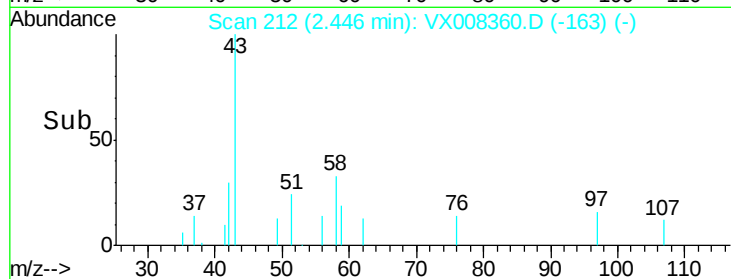
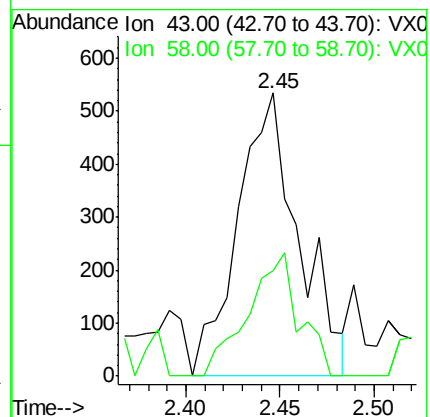
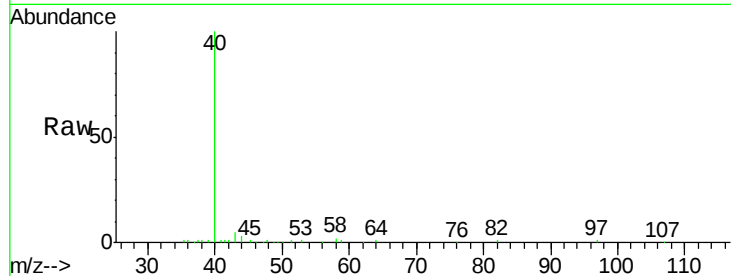
BPS1-TT-MW313S-20190313

Tot Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

58 37.1 25.5 38.3



#31

Cyclohexane

Concen: 0.993 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

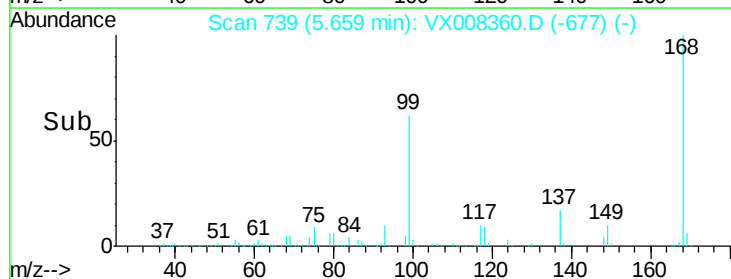
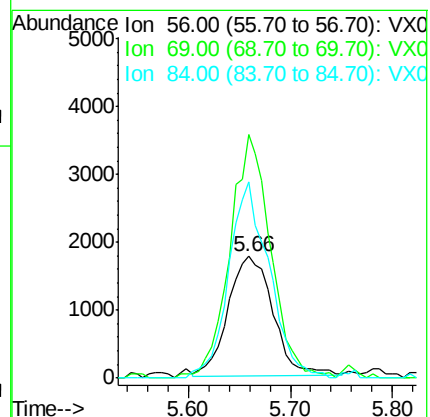
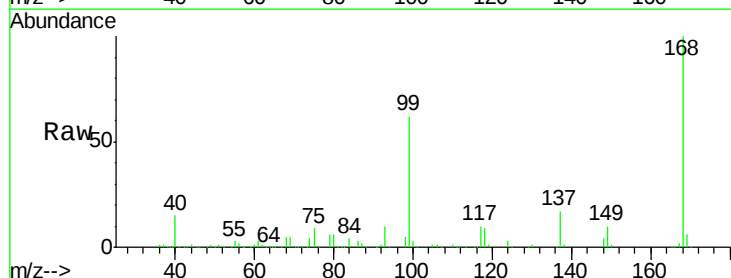
Tgt Ion: 56 Resp: 5408

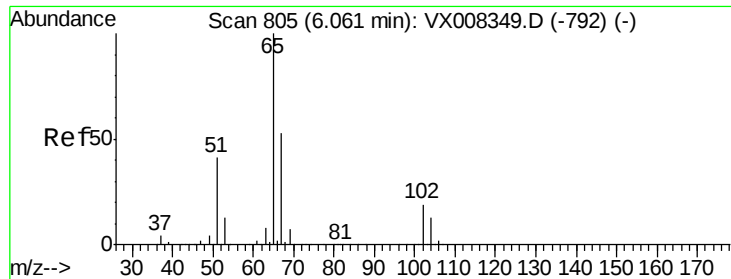
Ion Ratio Lower Upper

56 100

69 203.2 24.0 36.0#

84 163.0 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 48.440 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

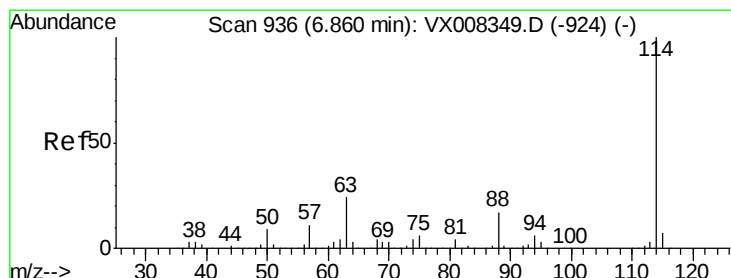
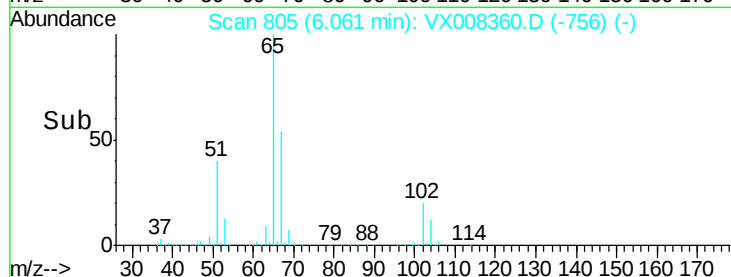
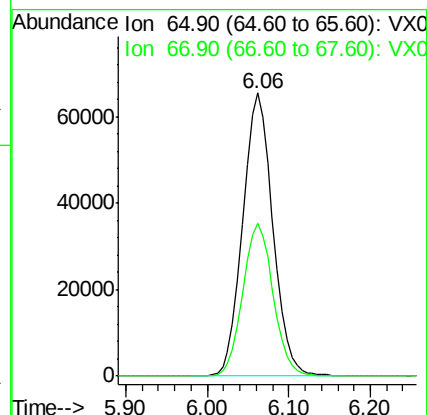
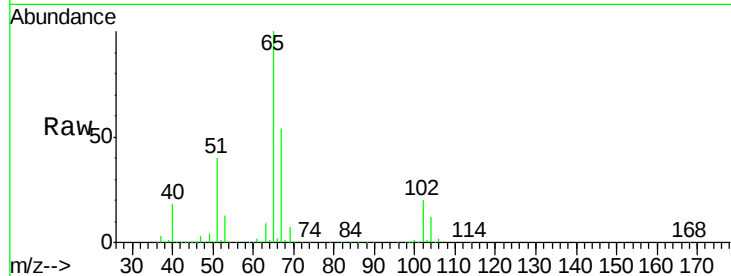
BPS1-TT-MW313S-20190313

Tot Ion: 65 Resp: 167698

Ion Ratio Lower Upper

65 100

67 54.4 0.0 110.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

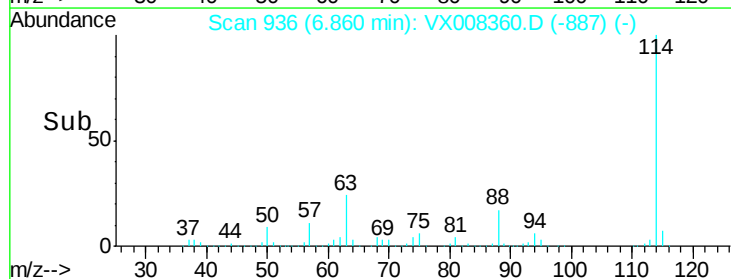
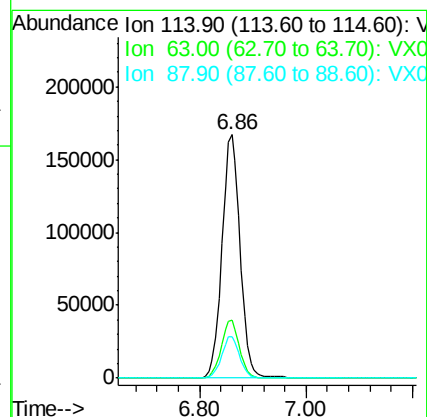
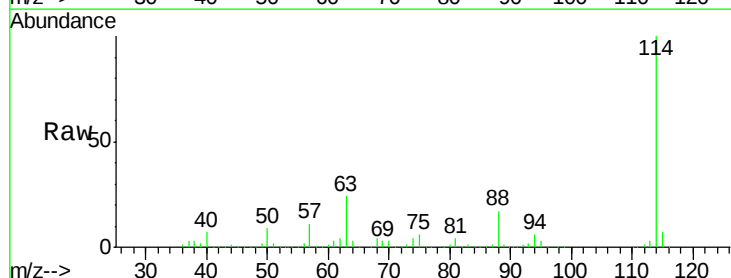
Tgt Ion: 114 Resp: 397947

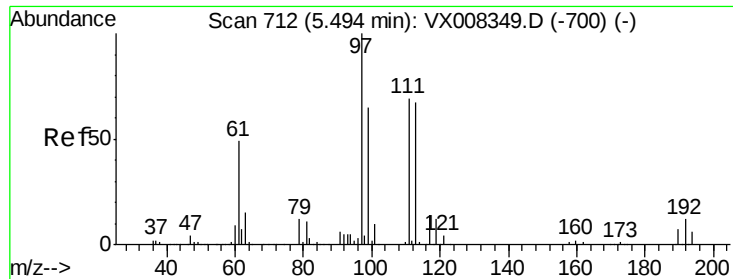
Ion Ratio Lower Upper

114 100

63 24.0 0.0 39.8

88 17.3 0.0 31.4

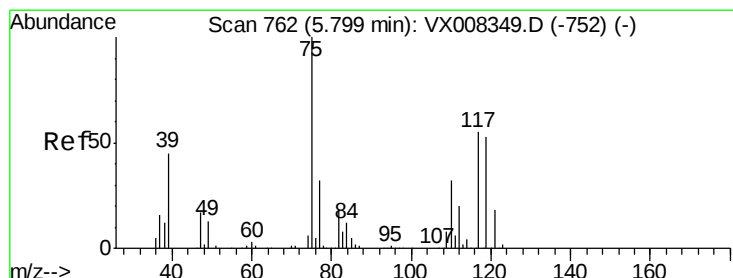
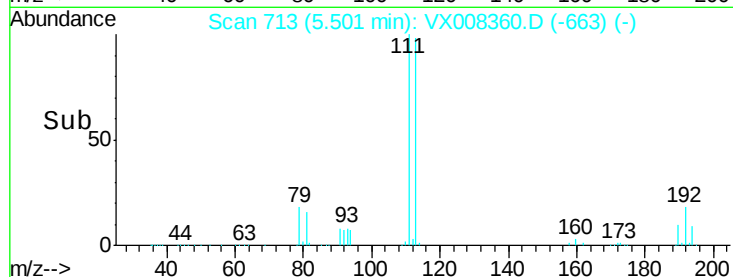
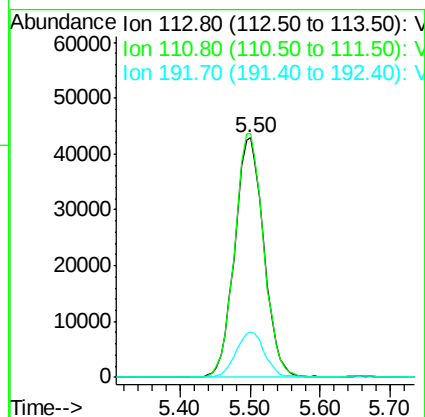
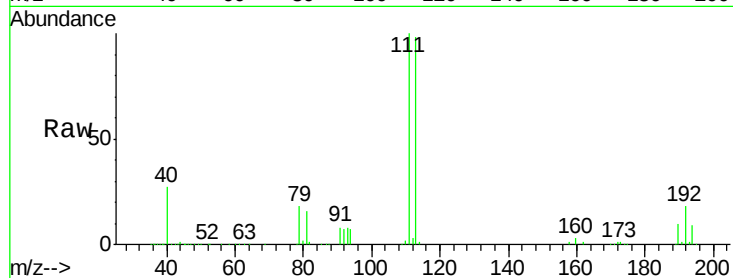




#35  
 Dibromofluoromethane  
 Concen: 48.126 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX008360.D  
 Acq: 23 Mar 2019 19:20

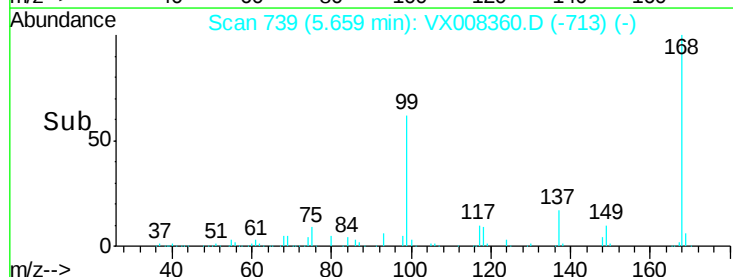
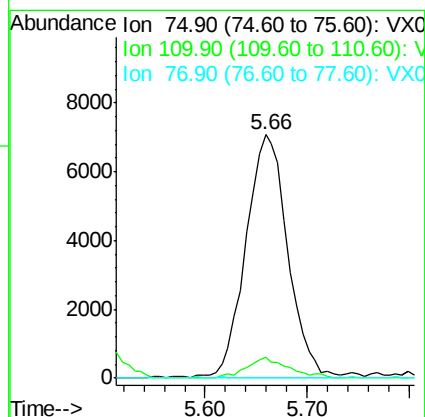
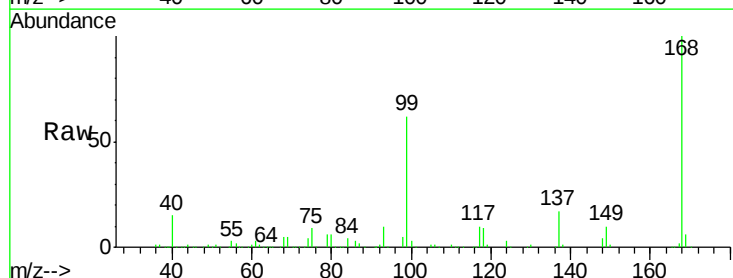
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW313S-20190313

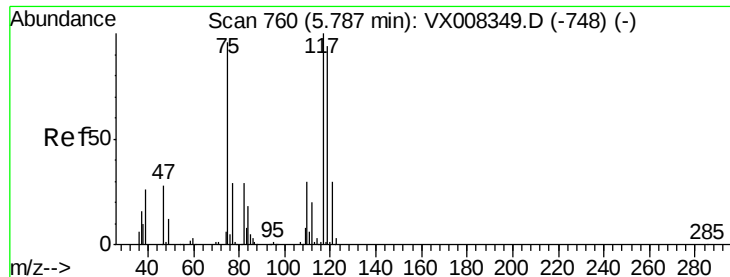
Tot Ion:113 Resp: 124082  
 Ion Ratio Lower Upper  
 113 100  
 111 101.0 81.4 122.0  
 192 18.8 19.4 29.0#



#36  
 1,1-Dichloropropene  
 Concen: 4.968 ug/l  
 RT: 5.66 min Scan# 739  
 Delta R.T. -0.14 min  
 Lab File: VX008360.D  
 Acq: 23 Mar 2019 19:20

Tgt Ion: 75 Resp: 20202  
 Ion Ratio Lower Upper  
 75 100  
 110 8.4 18.4 55.0#  
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.562 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

BPS1-TT-MW313S-20190313

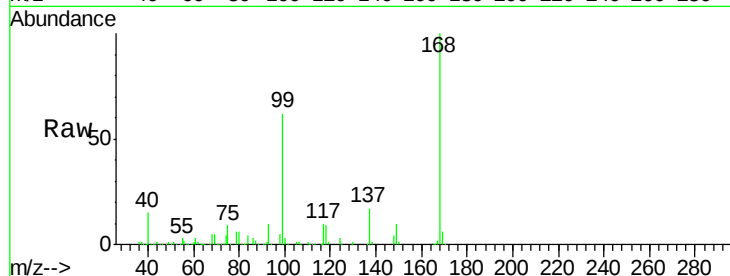
Tot Ion:117 Resp: 22873

Ion Ratio Lower Upper

117 100

119 7.1 76.2 114.2#

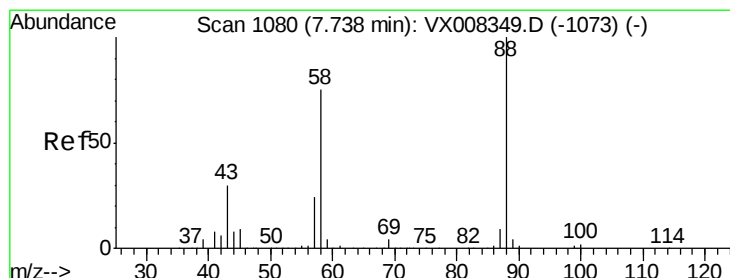
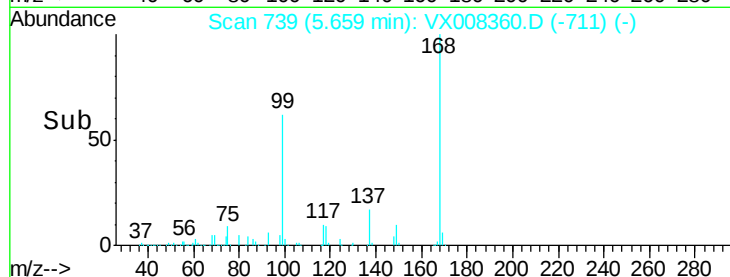
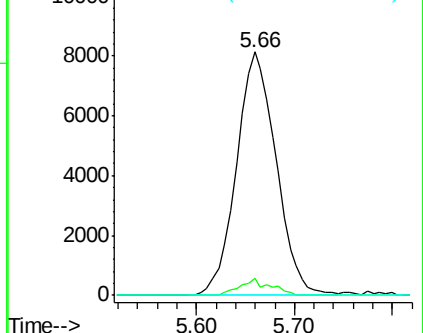
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.264 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

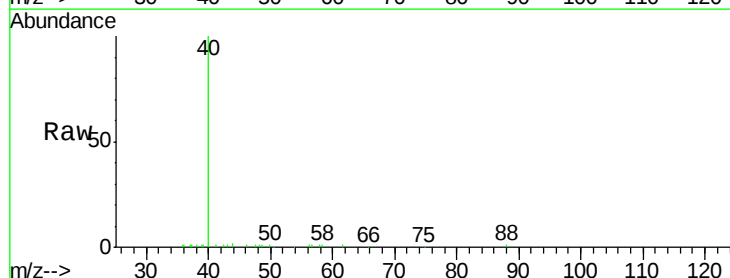
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 178.3 25.1 37.7#

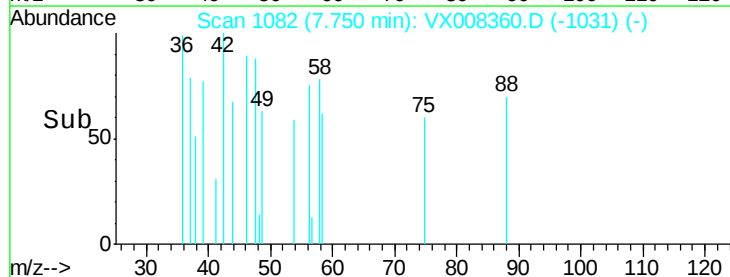
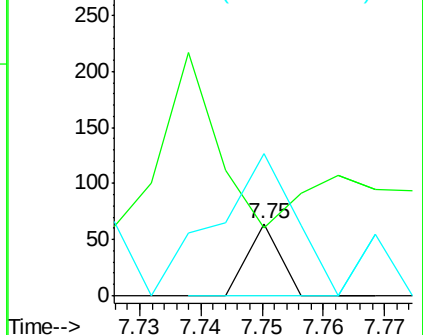
58 582.6 57.8 86.6#

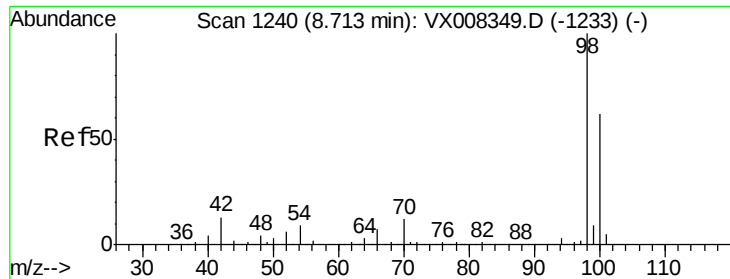


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.809 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

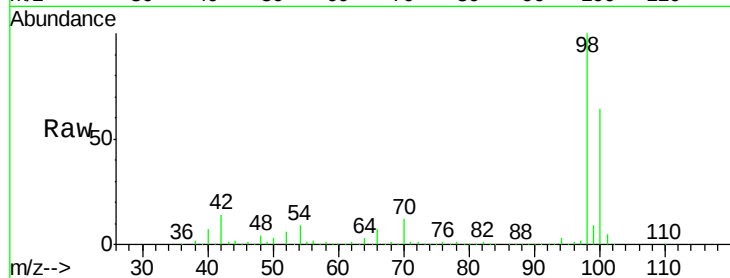
BPS1-TT-MW313S-20190313

Tot Ion: 98 Resp: 497742

Ion Ratio Lower Upper

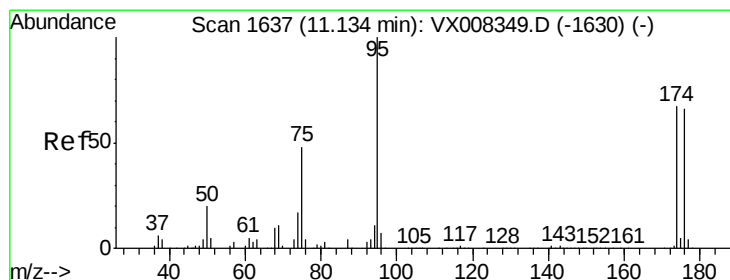
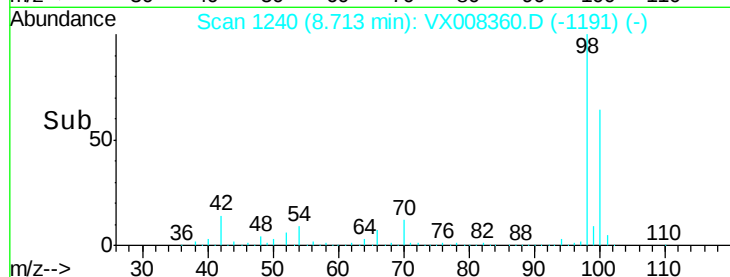
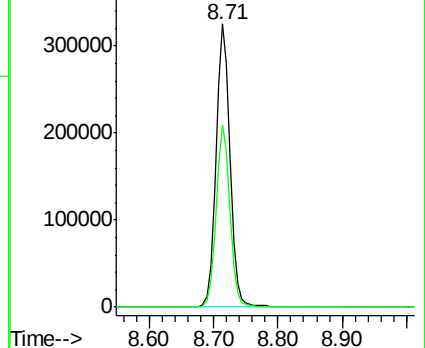
98 100

100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.627 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

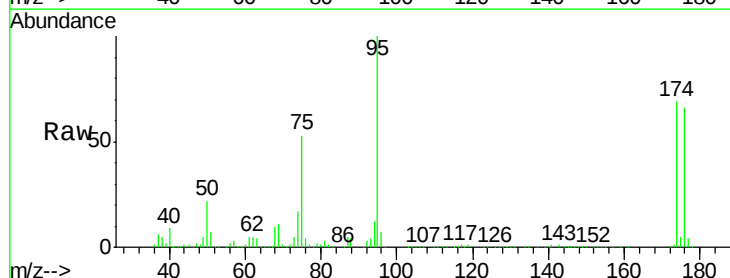
Tgt Ion: 95 Resp: 167095

Ion Ratio Lower Upper

95 100

174 72.7 0.0 182.8

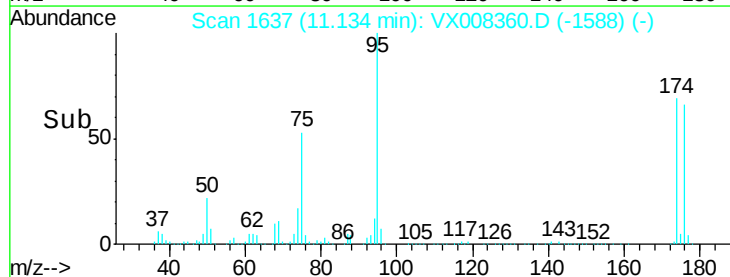
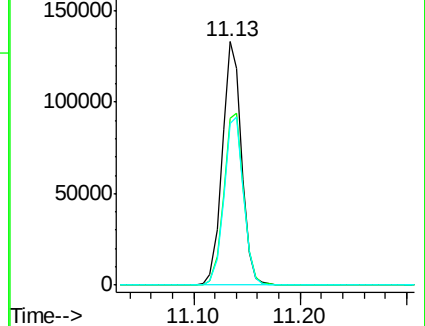
176 70.8 0.0 178.0

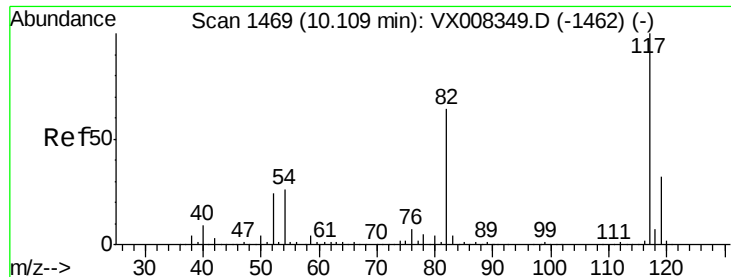


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

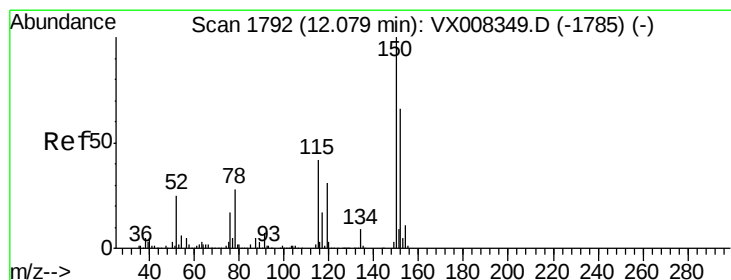
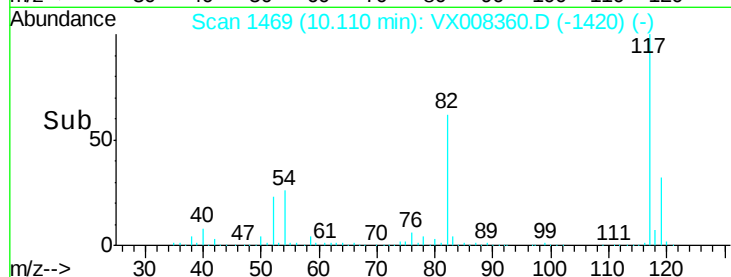
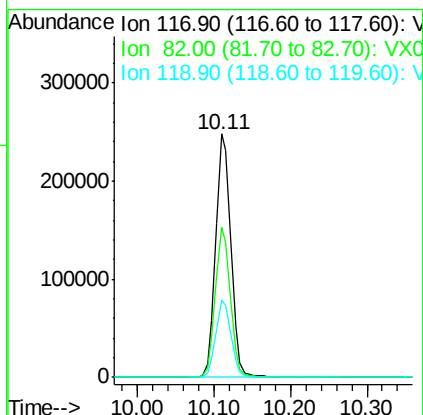
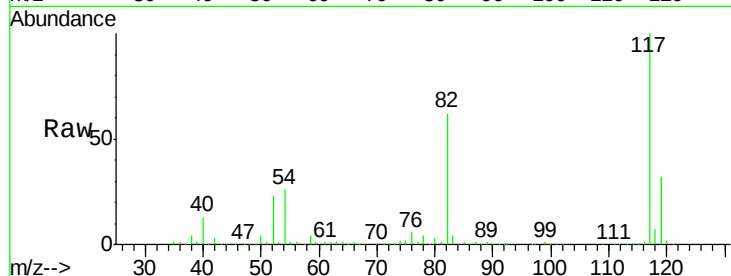




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX008360.D  
Acq: 23 Mar 2019 19:20

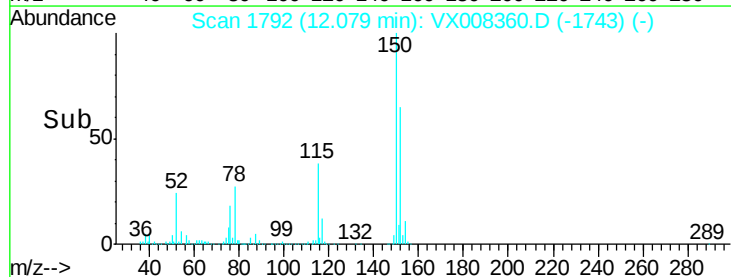
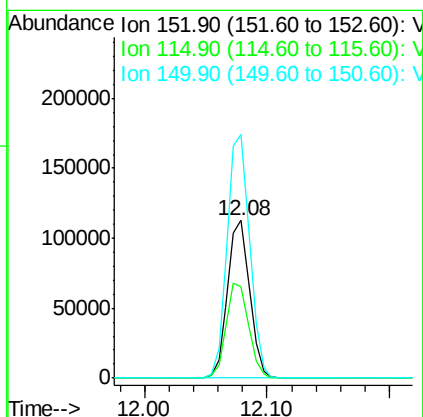
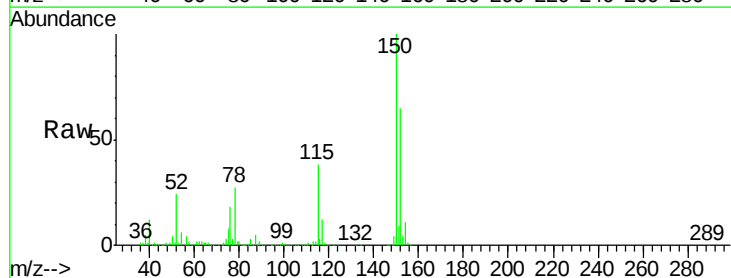
Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW313S-20190313

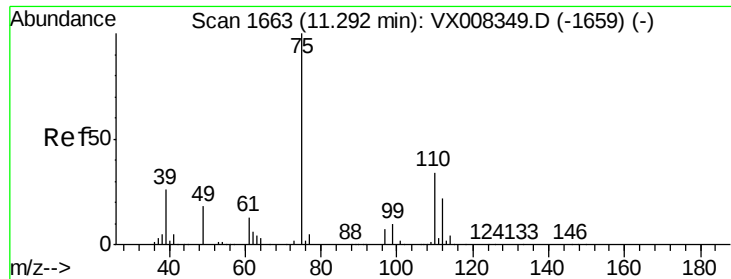
Tot Ion:117 Resp: 341216  
Ion Ratio Lower Upper  
117 100  
82 61.6 44.3 66.5  
119 31.8 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX008360.D  
Acq: 23 Mar 2019 19:20

Tgt Ion:152 Resp: 140543  
Ion Ratio Lower Upper  
152 100  
115 61.4 38.6 115.7  
150 156.8 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 23.630 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

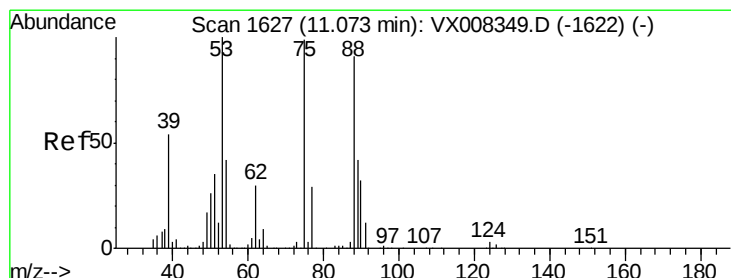
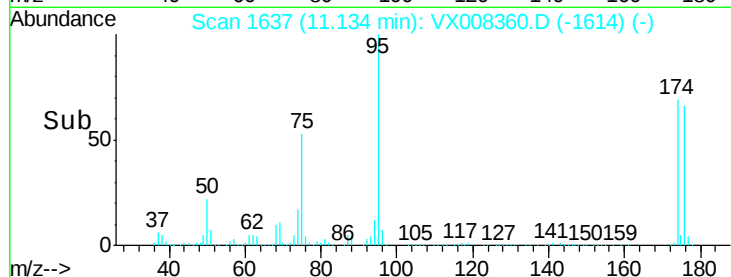
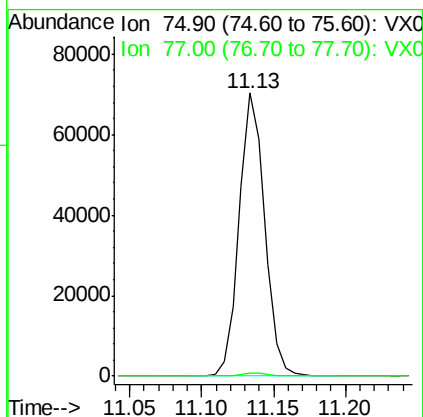
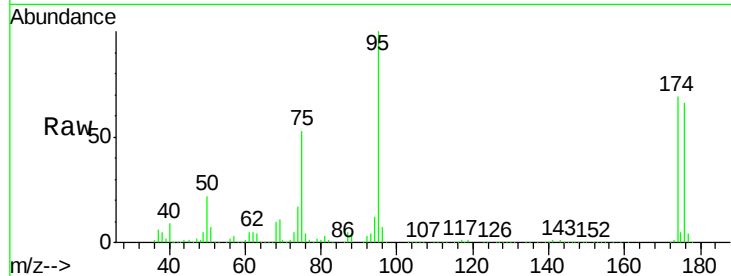
BPS1-TT-MW313S-20190313

Tot Ion: 75 Resp: 86927

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.339 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008360.D

Acq: 23 Mar 2019 19:20

Tgt Ion: 75 Resp: 86927

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

