

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060819\  
 Data File : VX010154.D  
 Acq On : 08 Jun 2019 21:23  
 Operator : JC/SP  
 Sample : K3249-06 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW305S-20190606

Quant Time: Jun 10 08:54:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 02:12:13 2019  
 Response via : Initial Calibration

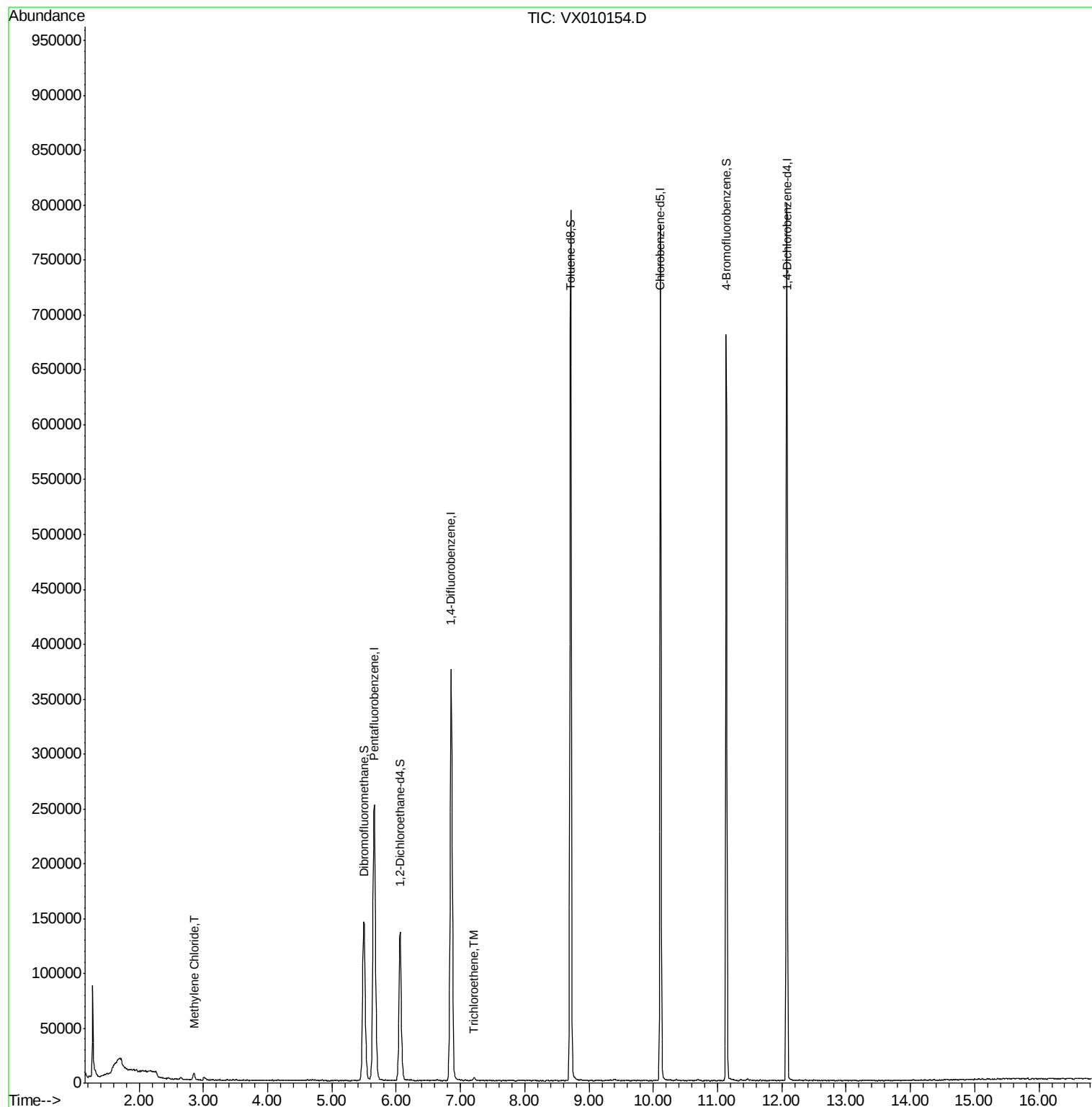
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 273285   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 415144   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 382386   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 180162   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 122737   | 46.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.02%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 127905   | 49.95 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.90%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 490188   | 51.08 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.16% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 174400   | 48.66 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.32%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 2.85  | 84   | 3042     | 1.104 | ug/l #  | 70       |
| 44) Trichloroethene         | 7.21  | 130  | 1220     | 0.386 | ug/l    | 64       |

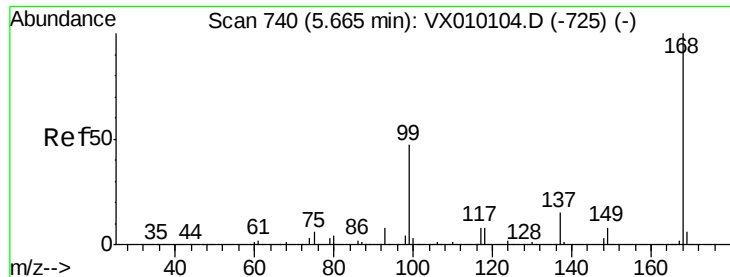
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060819\  
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Sample : K3249-06 10X  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW305S-20190606

Quant Time: Jun 10 08:54:31 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060719W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 08 02:12:13 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: VX010154.D

Acq: 08 Jun 2019 21:23

Instrument :

MSVOA\_X

ClientSampleId :

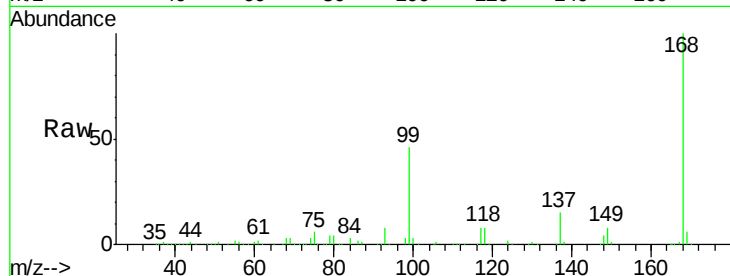
BPS1-TT-MW305S-20190606

Tot Ion:168 Resp: 273285

Ion Ratio Lower Upper

168 100

99 46.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

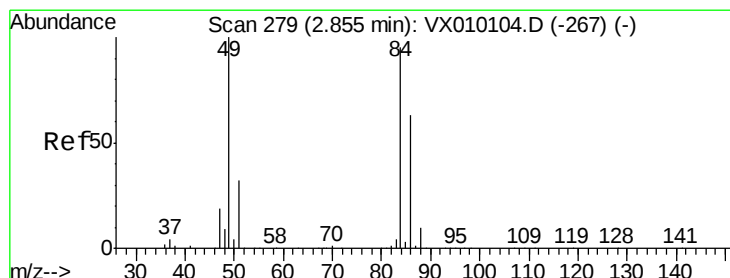
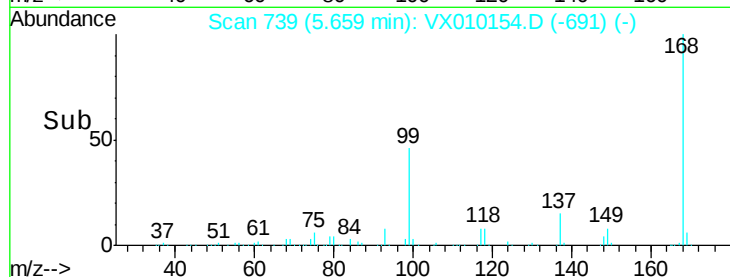
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#20

Methylene Chloride

Concen: 1.104 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX010154.D

Acq: 08 Jun 2019 21:23

Tgt Ion: 84 Resp: 3042

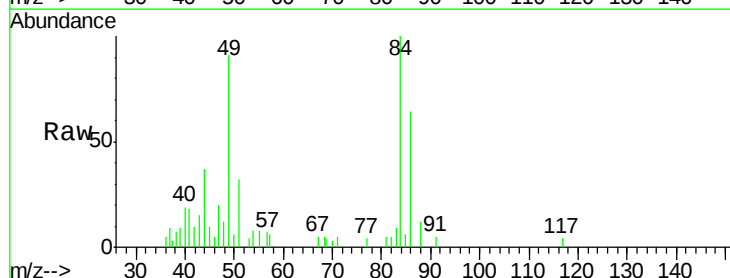
Ion Ratio Lower Upper

84 100

49 91.1 115.8 173.6#

51 27.8 34.4 51.6#

86 64.4 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2500

2000

1500

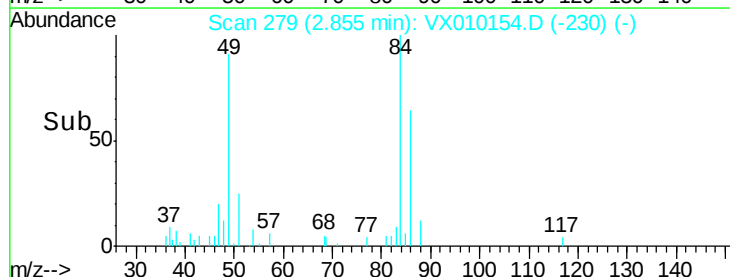
1000

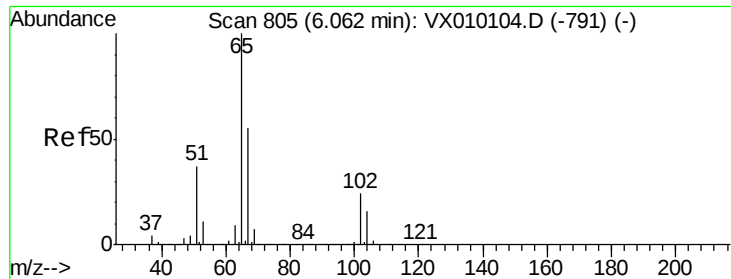
500

0

Time-->

2.80 2.85 2.90





#33

1,2-Dichloroethane-d4

Concen: 46.011 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010154.D

Acq: 08 Jun 2019 21:23

Instrument :

MSVOA\_X

ClientSampleId :

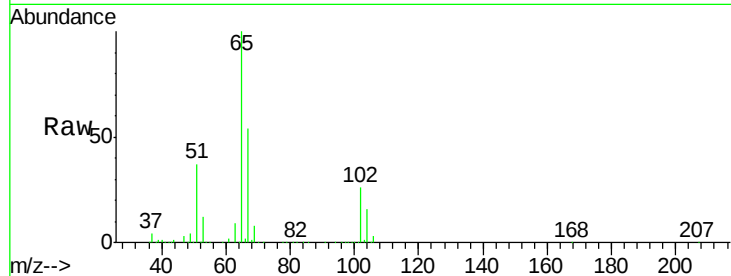
BPS1-TT-MW305S-20190606

Tot Ion: 65 Resp: 122737

Ion Ratio Lower Upper

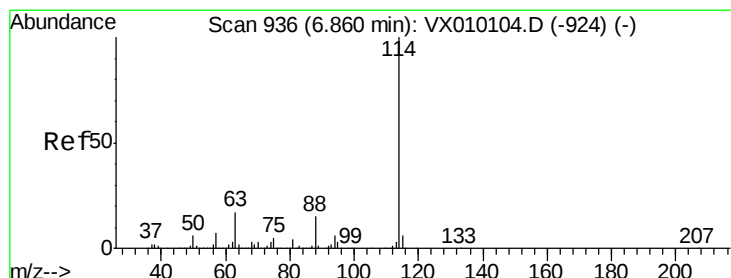
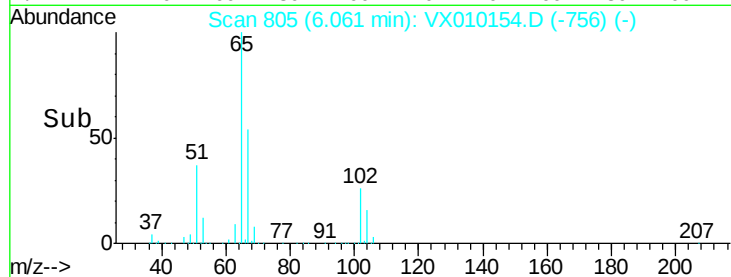
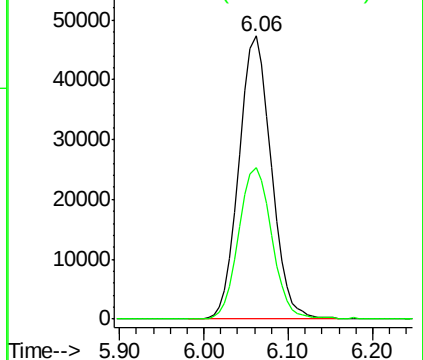
65 100

67 54.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010154.D

Acq: 08 Jun 2019 21:23

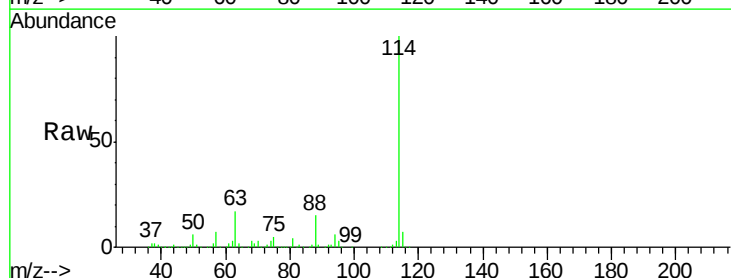
Tgt Ion: 114 Resp: 415144

Ion Ratio Lower Upper

114 100

63 16.8 0.0 47.4

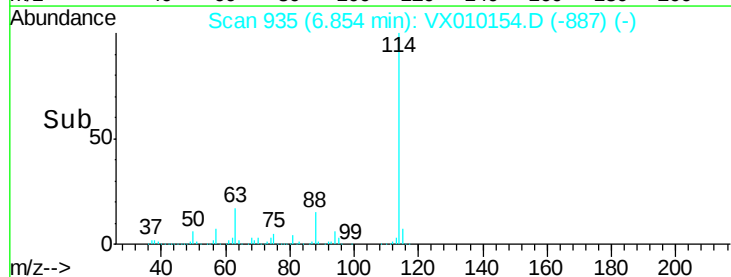
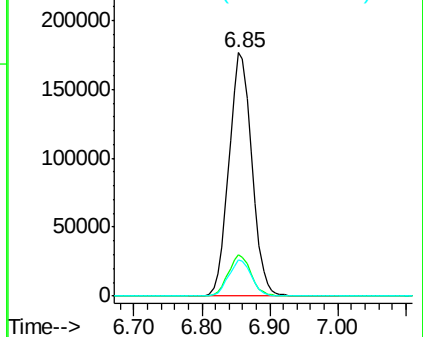
88 15.0 0.0 33.0

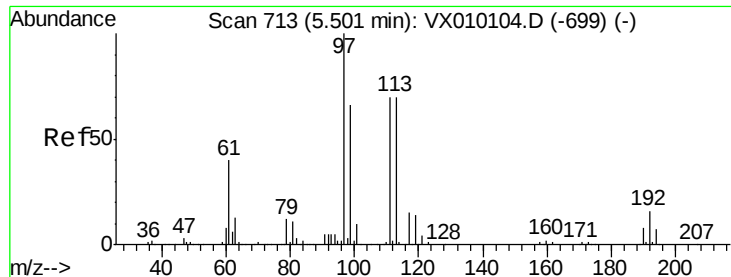


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

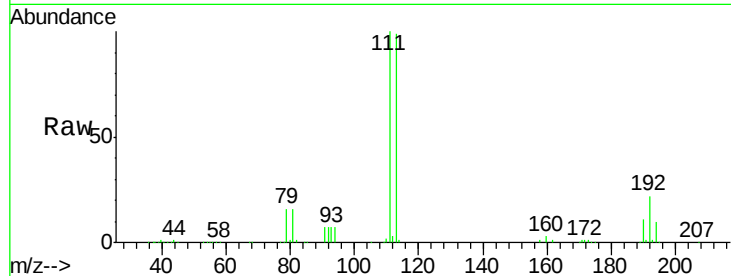




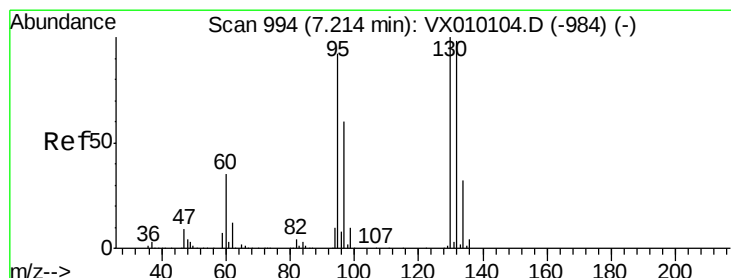
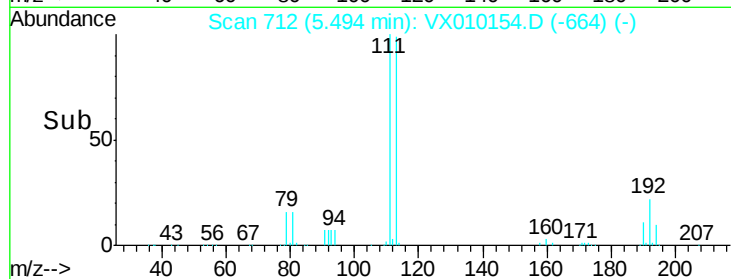
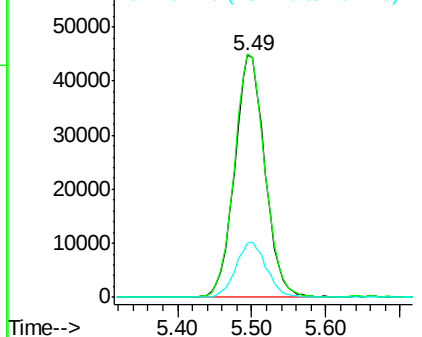
#35  
 Dibromofluoromethane  
 Concen: 49.949 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. -0.01 min  
 Lab File: VX010154.D  
 Acq: 08 Jun 2019 21:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BPS1-TT-MW305S-20190606

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.1 | 82.2  | 123.2 |
| 192     | 22.9  | 17.1  | 25.7  |

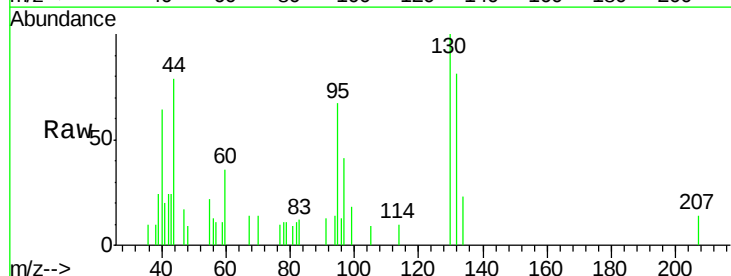


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

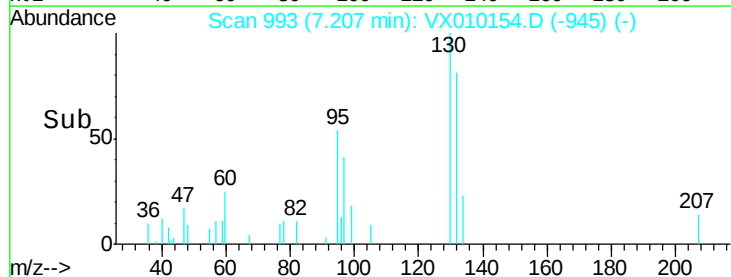
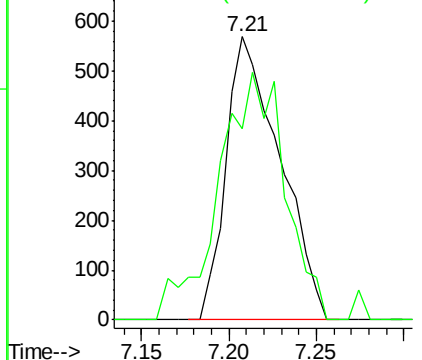


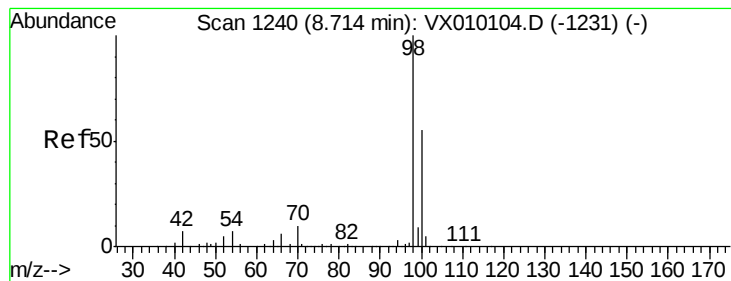
#44  
 Trichloroethene  
 Concen: 0.386 ug/l  
 RT: 7.21 min Scan# 993  
 Delta R.T. -0.01 min  
 Lab File: VX010154.D  
 Acq: 08 Jun 2019 21:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 67.4  | 0.0   | 207.4 |



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.077 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010154.D

Acq: 08 Jun 2019 21:23

Instrument :

MSVOA\_X

ClientSampleId :

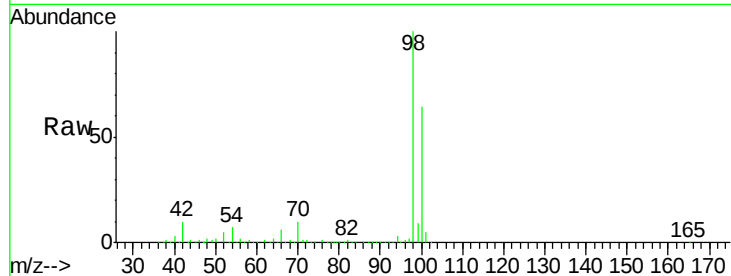
BPS1-TT-MW305S-20190606

Tot Ion: 98 Resp: 490188

Ion Ratio Lower Upper

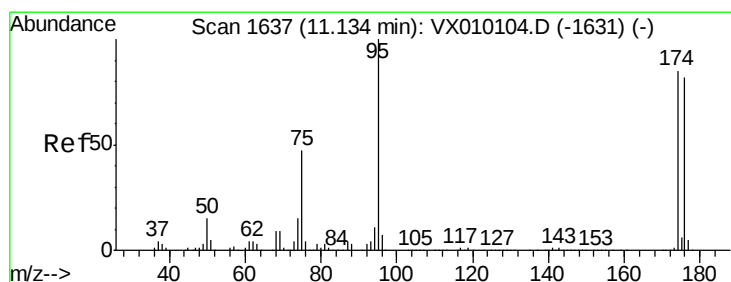
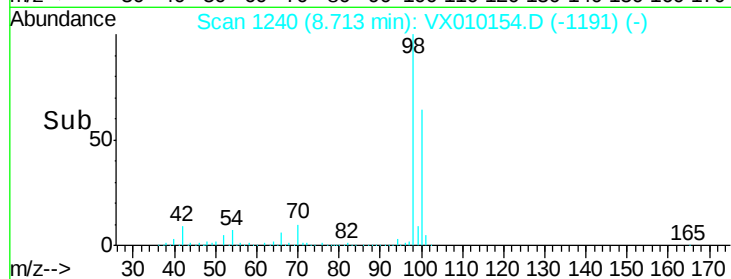
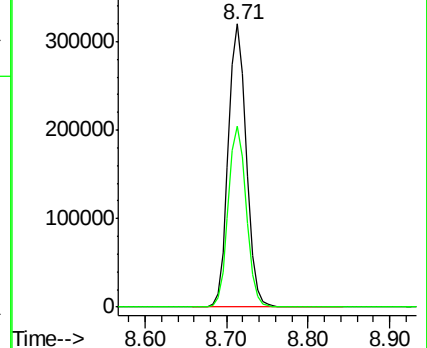
98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 48.659 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010154.D

Acq: 08 Jun 2019 21:23

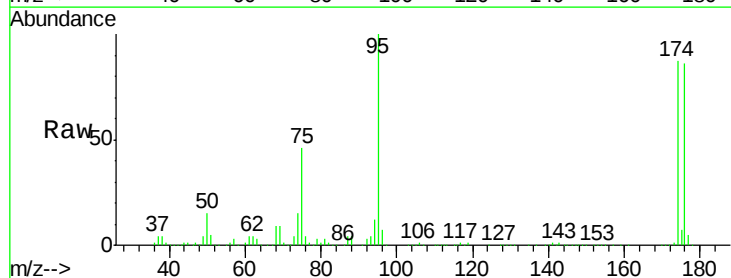
Tgt Ion: 95 Resp: 174400

Ion Ratio Lower Upper

95 100

174 92.4 0.0 160.4

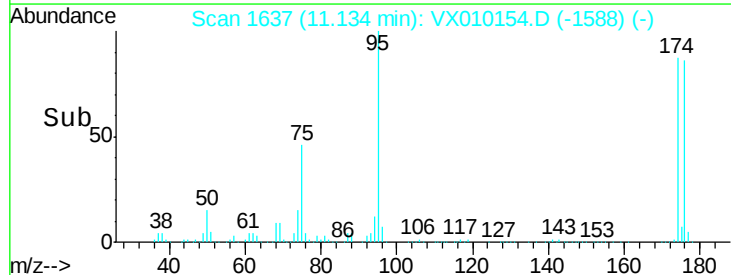
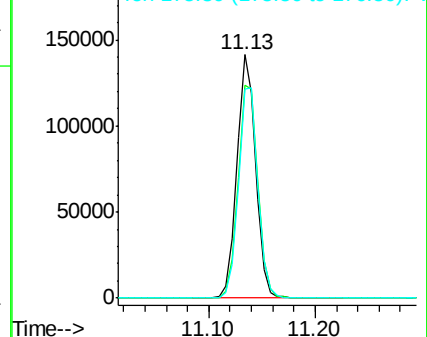
176 89.8 0.0 154.6

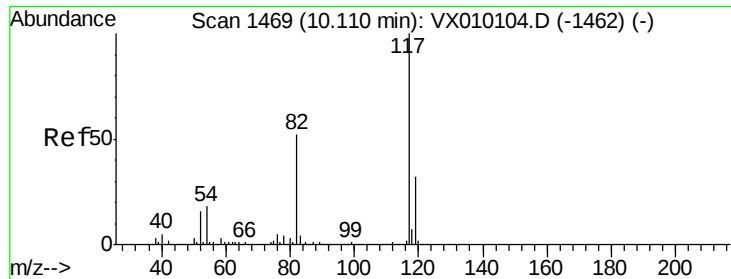


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

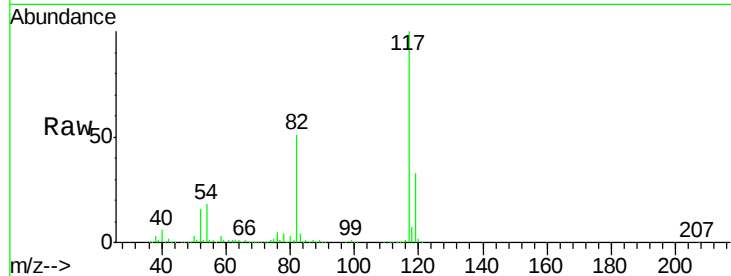




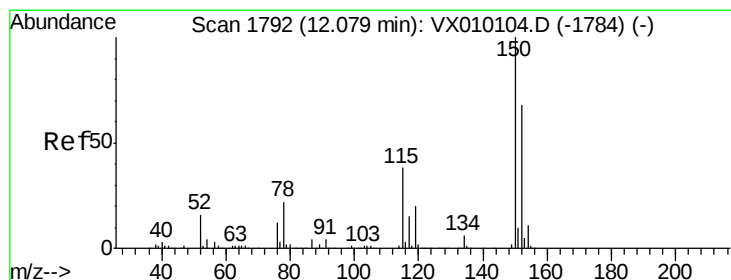
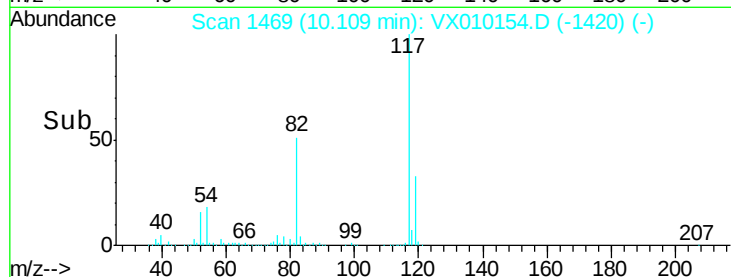
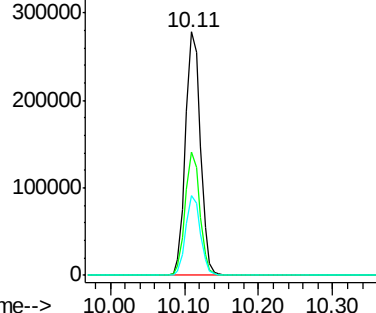
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX010154.D  
Acq: 08 Jun 2019 21:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
BPS1-TT-MW305S-20190606

Tot Ion:117 Resp: 382386  
Ion Ratio Lower Upper  
117 100  
82 50.7 49.2 73.8  
119 32.8 25.2 37.8

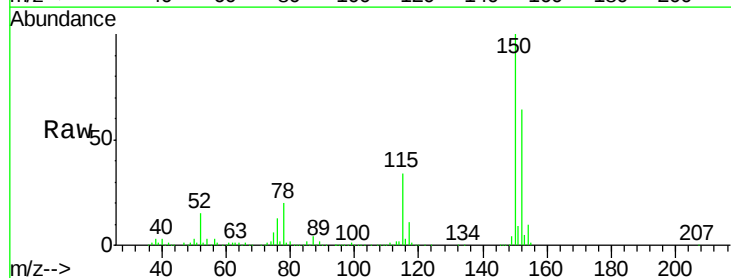


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX010154.D  
Acq: 08 Jun 2019 21:23

Tgt Ion:152 Resp: 180162  
Ion Ratio Lower Upper  
152 100  
115 54.7 41.4 124.2  
150 156.7 0.0 345.2



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

