

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030619\  
 Data File : VX007869.D  
 Acq On : 06 Mar 2019 19:20  
 Operator : JC/SP  
 Sample : K1759-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB201-GW-580-582

Quant Time: Mar 07 08:49:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 07 07:33:26 2019  
 Response via : Initial Calibration

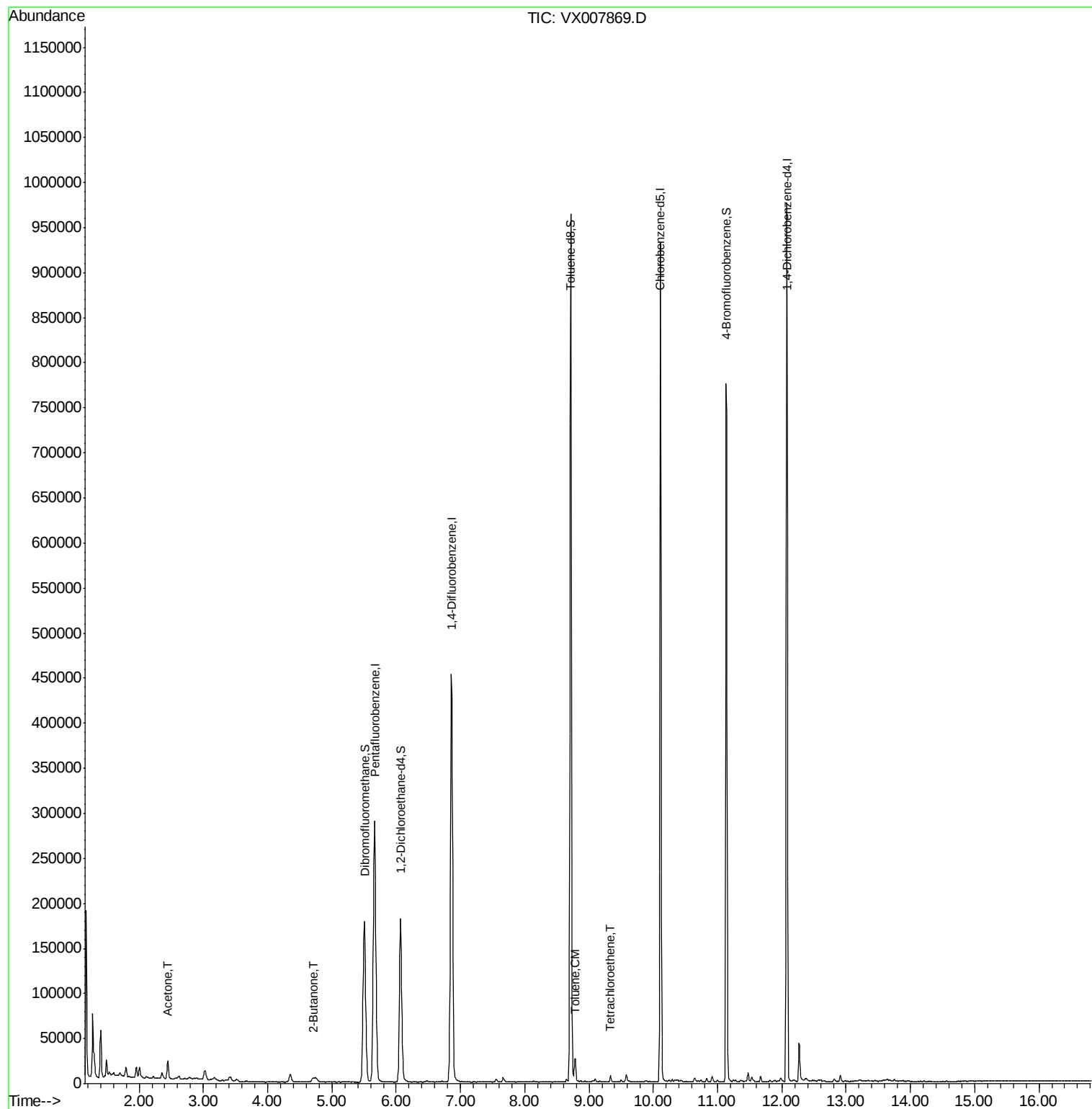
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 303634   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 473623   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 441028   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 212211   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 167798   | 52.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.78% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 155115   | 51.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.40% |          |
| 50) Toluene-d8              | 8.71  | 98   | 571888   | 51.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.80% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 208984   | 53.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.14% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 21551    | 11.624 | ug/l    | 99       |
| 25) 2-Butanone              | 4.71  | 43   | 8520     | 3.246  | ug/l    | 98       |
| 52) Toluene                 | 8.78  | 92   | 9451     | 1.212  | ug/l    | 98       |
| 64) Tetrachloroethene       | 9.34  | 164  | 1501     | 0.411  | ug/l #  | 84       |

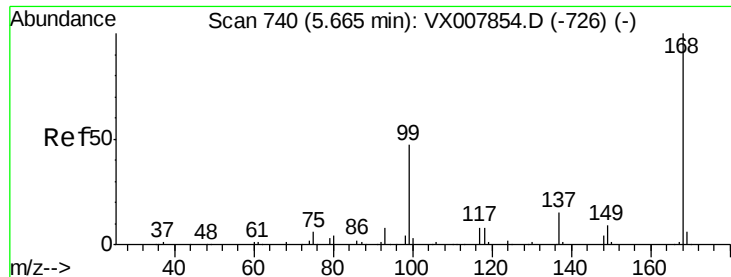
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 07 07:33:26 2019  
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: VX007869.D

Acq: 06 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

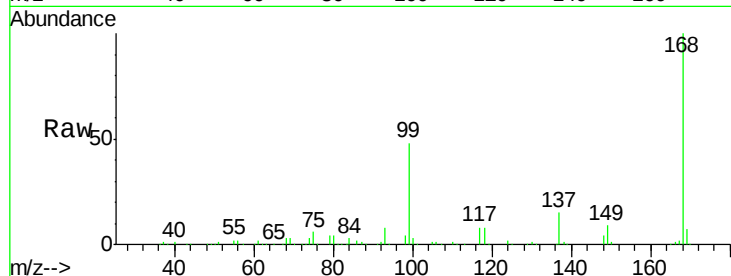
BP-VPB201-GW-580-582

Tot Ion:168 Resp: 303634

Ion Ratio Lower Upper

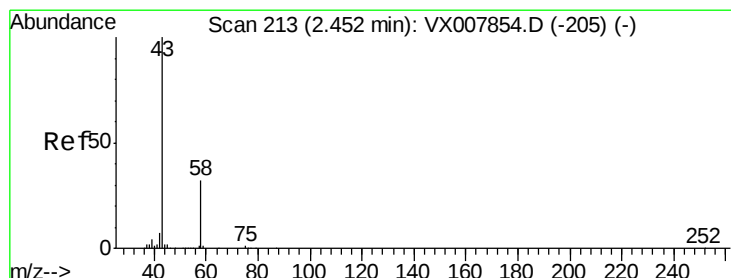
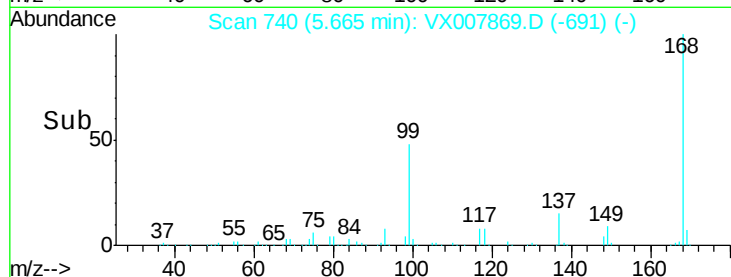
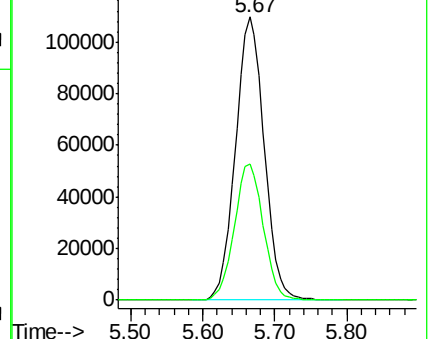
168 100

99 48.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 11.624 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007869.D

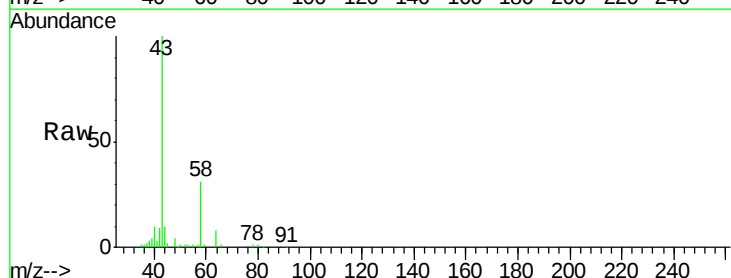
Acq: 06 Mar 2019 19:20

Tgt Ion: 43 Resp: 21551

Ion Ratio Lower Upper

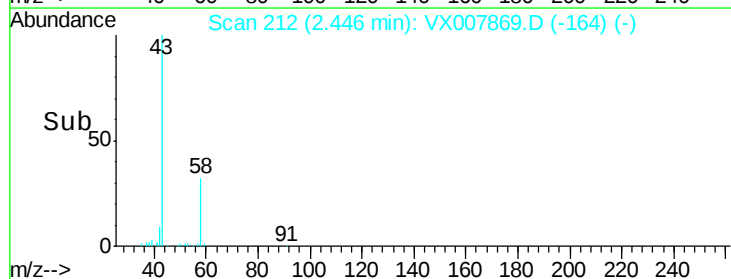
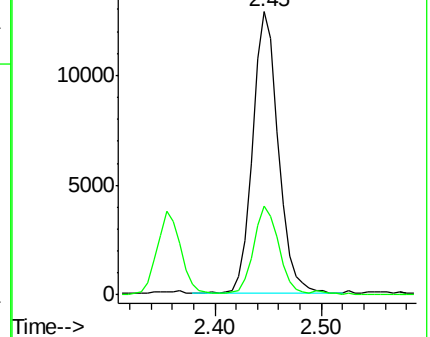
43 100

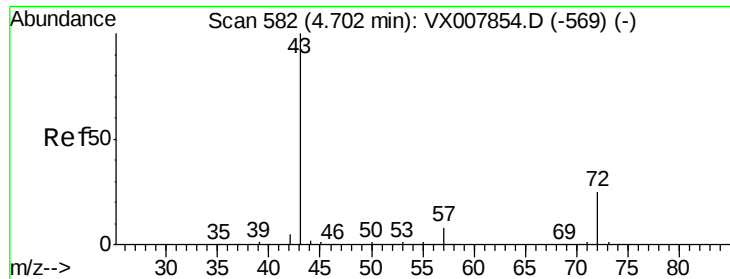
58 31.5 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 3.246 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007869.D

Acq: 06 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

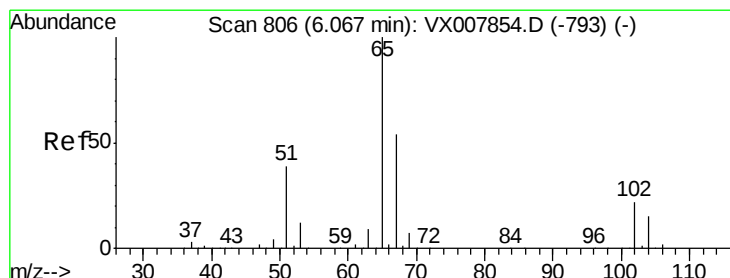
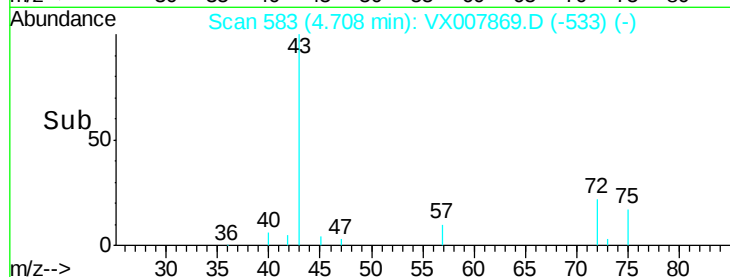
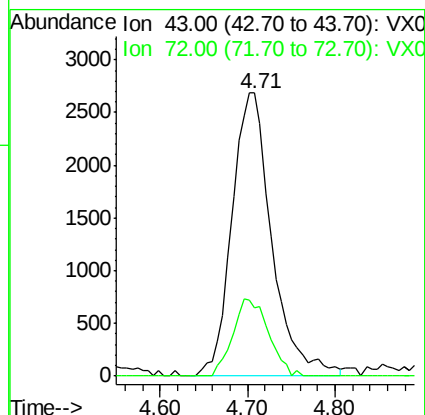
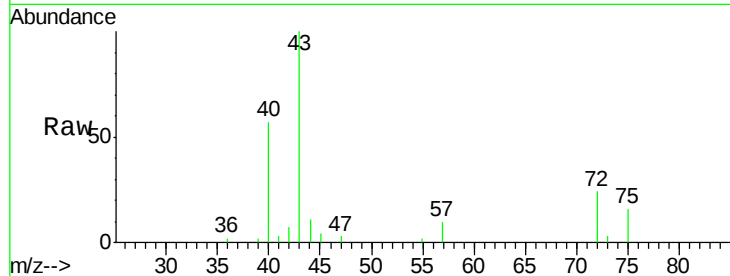
BP-VPB201-GW-580-582

Tot Ion: 43 Resp: 8520

Ion Ratio Lower Upper

43 100

72 24.0 19.9 29.9



#33

1,2-Dichloroethane-d4

Concen: 52.387 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007869.D

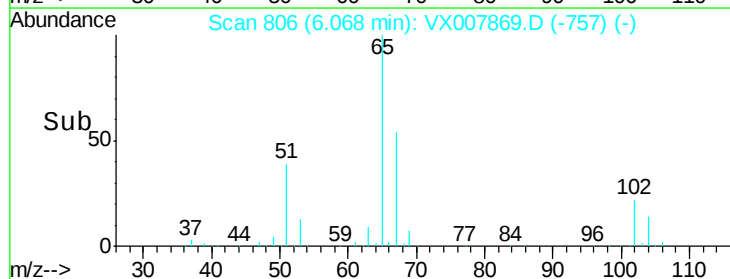
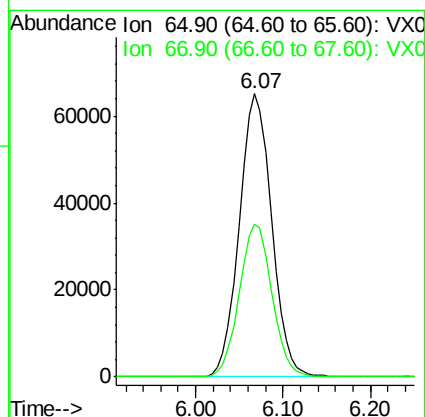
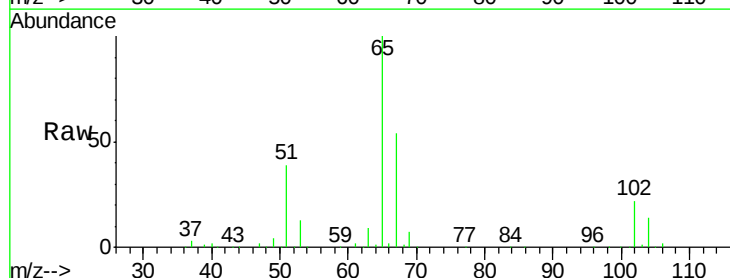
Acq: 06 Mar 2019 19:20

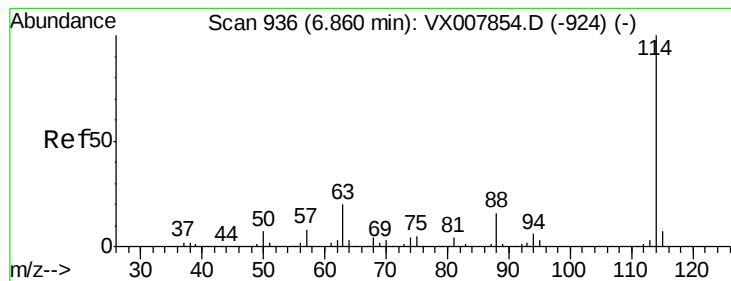
Tgt Ion: 65 Resp: 167798

Ion Ratio Lower Upper

65 100

67 54.5 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: VX007869.D

Acq: 06 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB201-GW-580-582

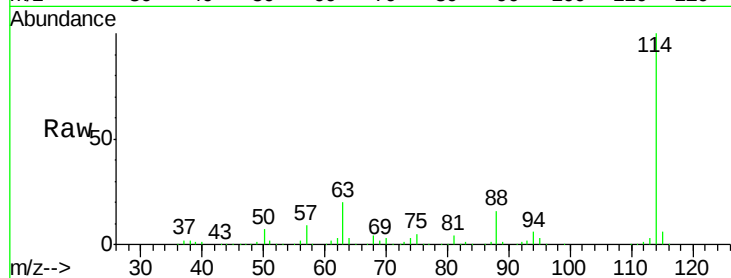
Tot Ion:114 Resp: 473623

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

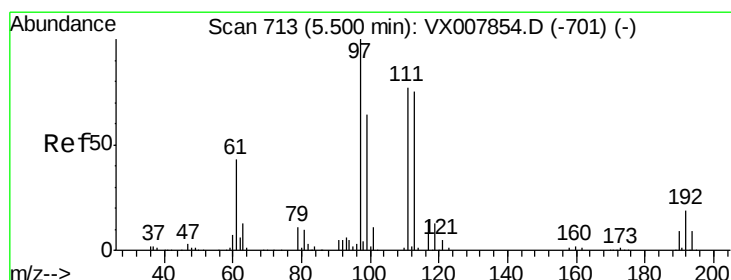
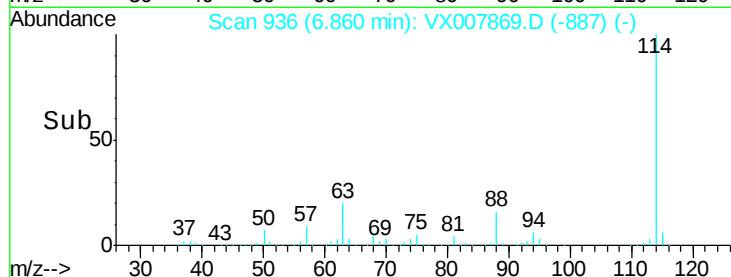
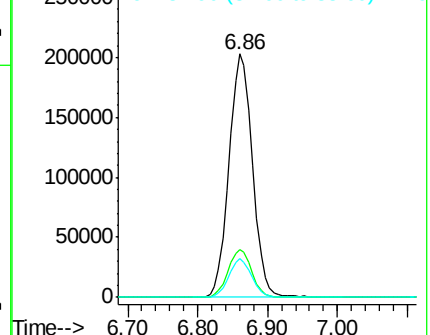
88 15.8 0.0 31.4



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: 51.200 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007869.D

Acq: 06 Mar 2019 19:20

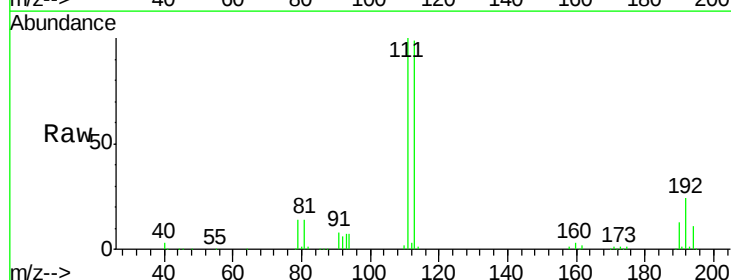
Tgt Ion:113 Resp: 155115

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

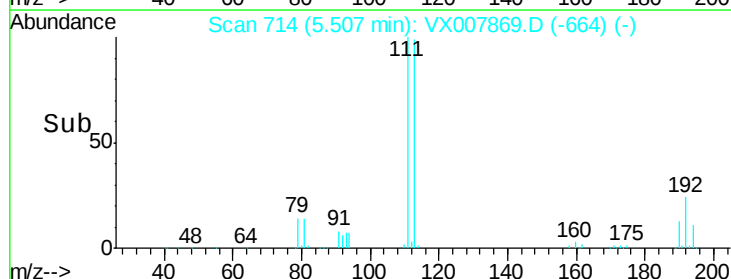
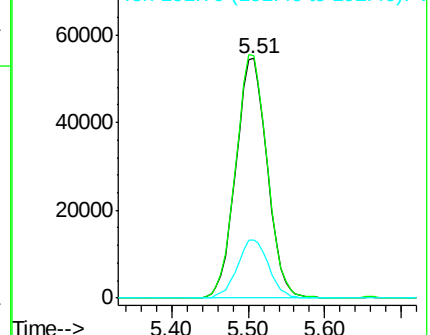
192 24.3 19.4 29.0

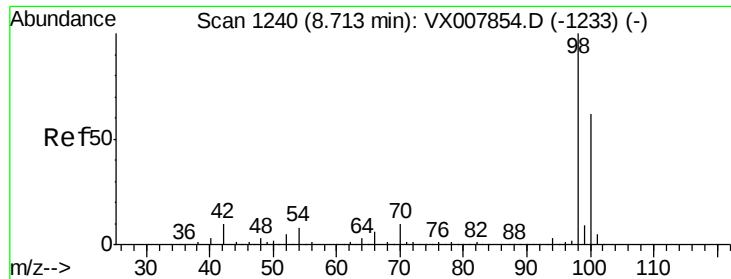


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.399 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007869.D

Acq: 06 Mar 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

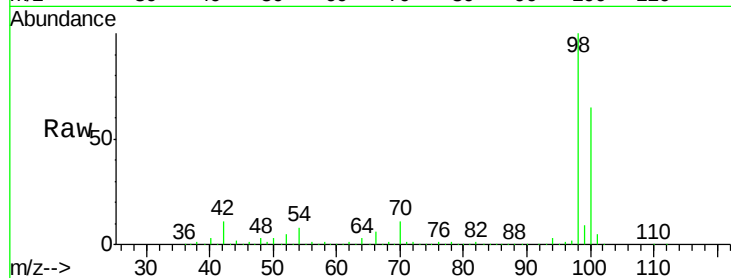
BP-VPB201-GW-580-582

Tot Ion: 98 Resp: 571888

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

400000

300000

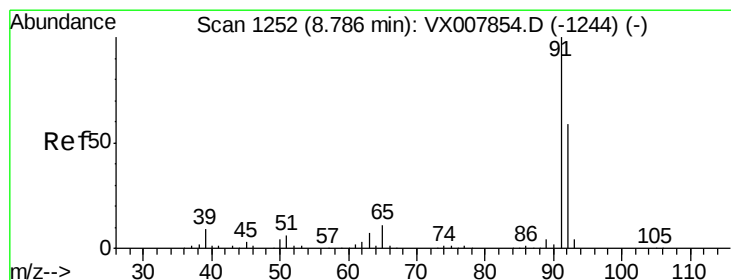
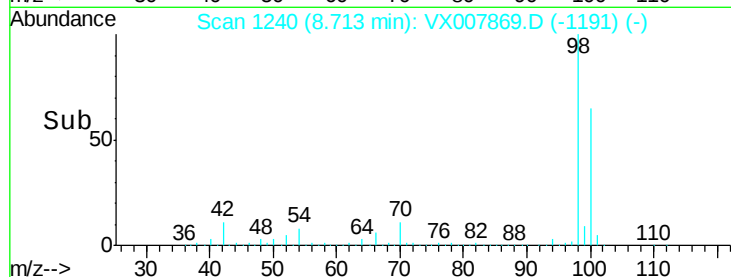
200000

100000

0

Time-->

8.60 8.70 8.80



#52

Toluene

Concen: 1.212 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007869.D

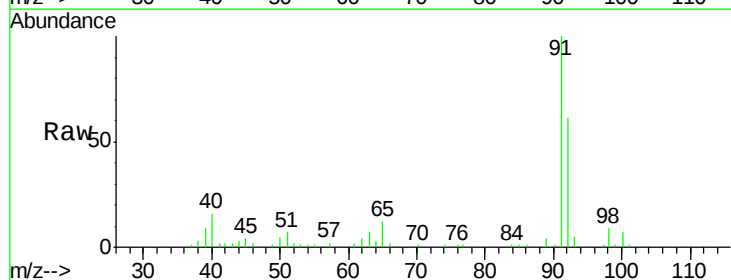
Acq: 06 Mar 2019 19:20

Tgt Ion: 92 Resp: 9451

Ion Ratio Lower Upper

92 100

91 168.3 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

10000

8000

6000

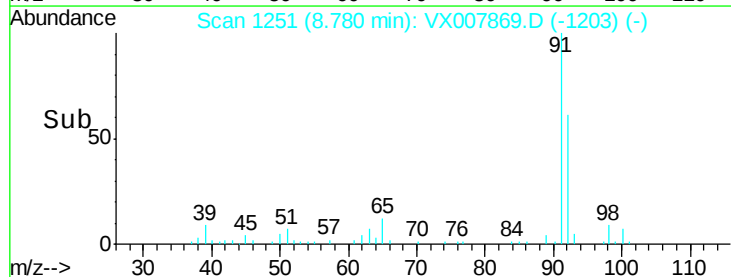
4000

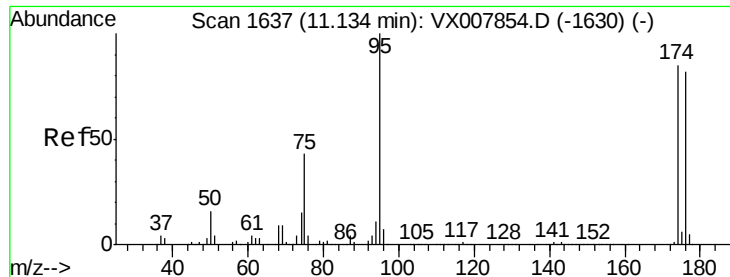
2000

0

Time-->

8.70 8.75 8.80 8.85

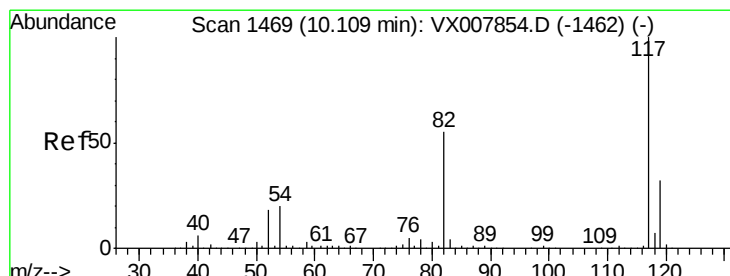
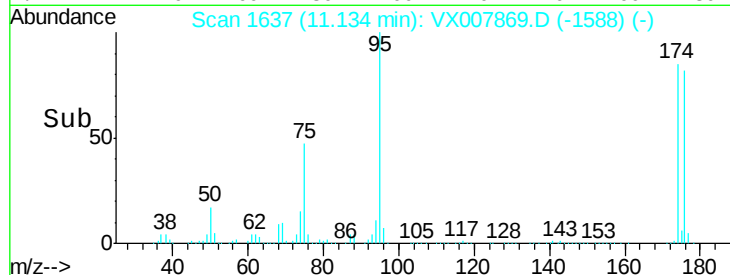
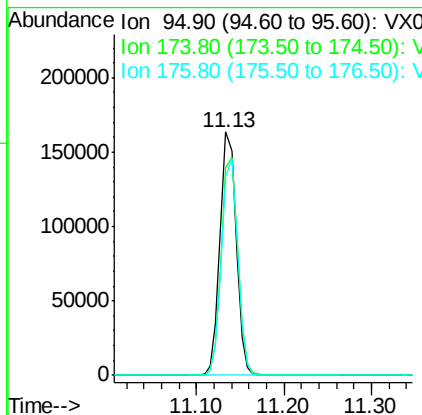
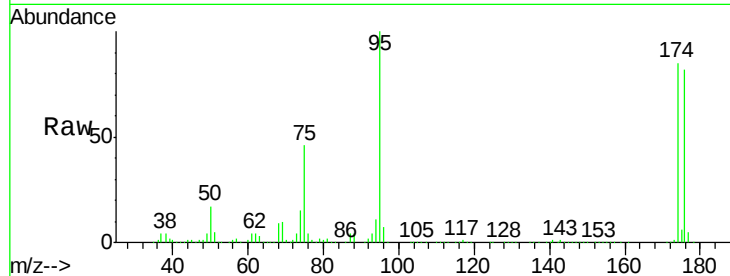




#62  
4-Bromofluorobenzene  
Concen: 53.573 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX007869.D  
Acq: 06 Mar 2019 19:20

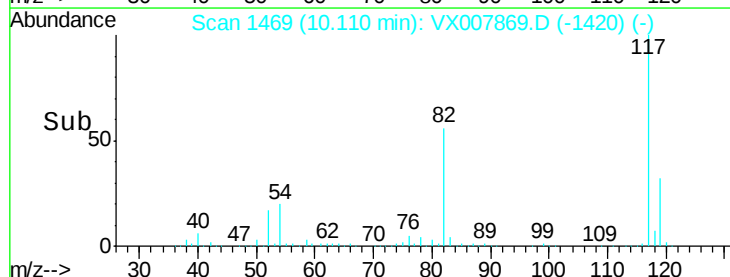
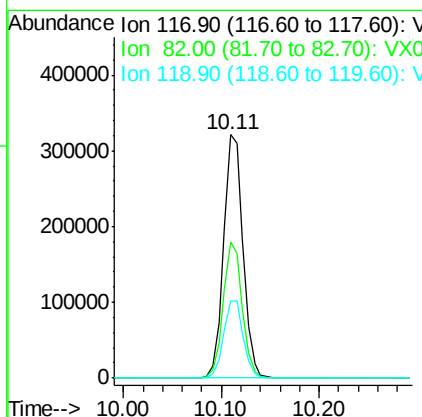
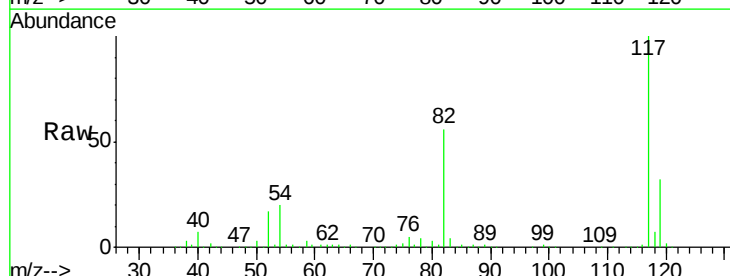
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BP-VPB201-GW-580-582

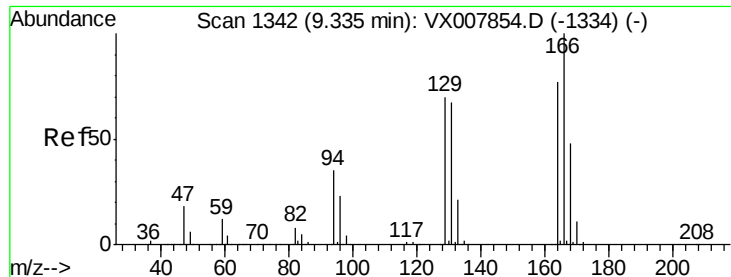
Tot Ion: 95 Resp: 208984  
Ion Ratio Lower Upper  
95 100  
174 91.4 0.0 182.8  
176 89.2 0.0 178.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX007869.D  
Acq: 06 Mar 2019 19:20

Tgt Ion: 117 Resp: 441028  
Ion Ratio Lower Upper  
117 100  
82 56.1 44.3 66.5  
119 31.6 25.3 37.9

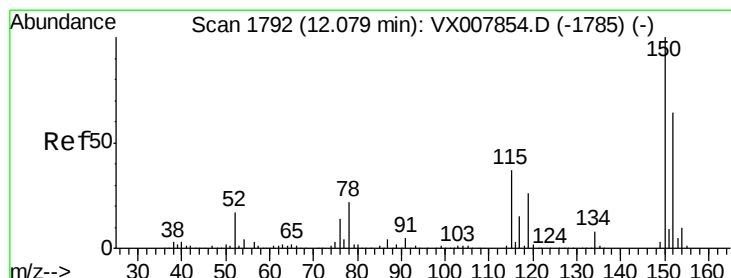
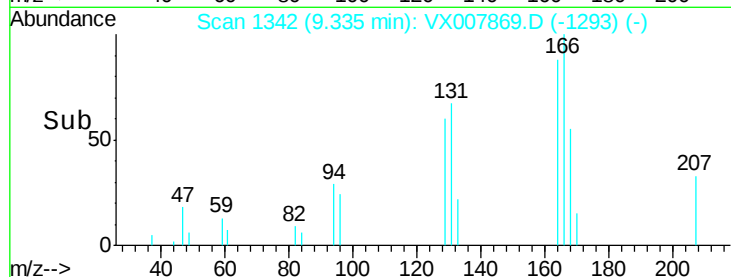
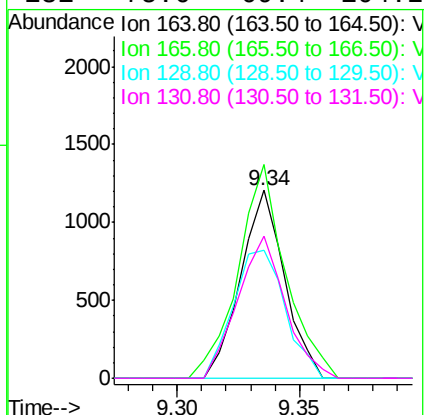
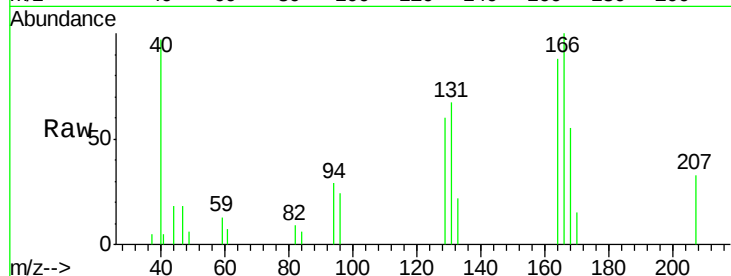




#64  
Tetrachloroethene  
Concen: 0.411 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: VX007869.D  
Acq: 06 Mar 2019 19:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB201-GW-580-582

Tot Ion:164 Resp: 1501  
Ion Ratio Lower Upper  
164 100  
166 113.6 103.4 155.0  
129 67.9 72.2 108.4#  
131 75.6 69.4 104.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX007869.D  
Acq: 06 Mar 2019 19:20

Tgt Ion:152 Resp: 212211  
Ion Ratio Lower Upper  
152 100  
115 55.4 38.6 115.7  
150 156.8 0.0 348.4

