

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080219\  
 Data File : VX011310.D  
 Acq On : 02 Aug 2019 17:17  
 Operator : JC/SP  
 Sample : K4145-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB203-DUP-20190801

Quant Time: Aug 03 06:57:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

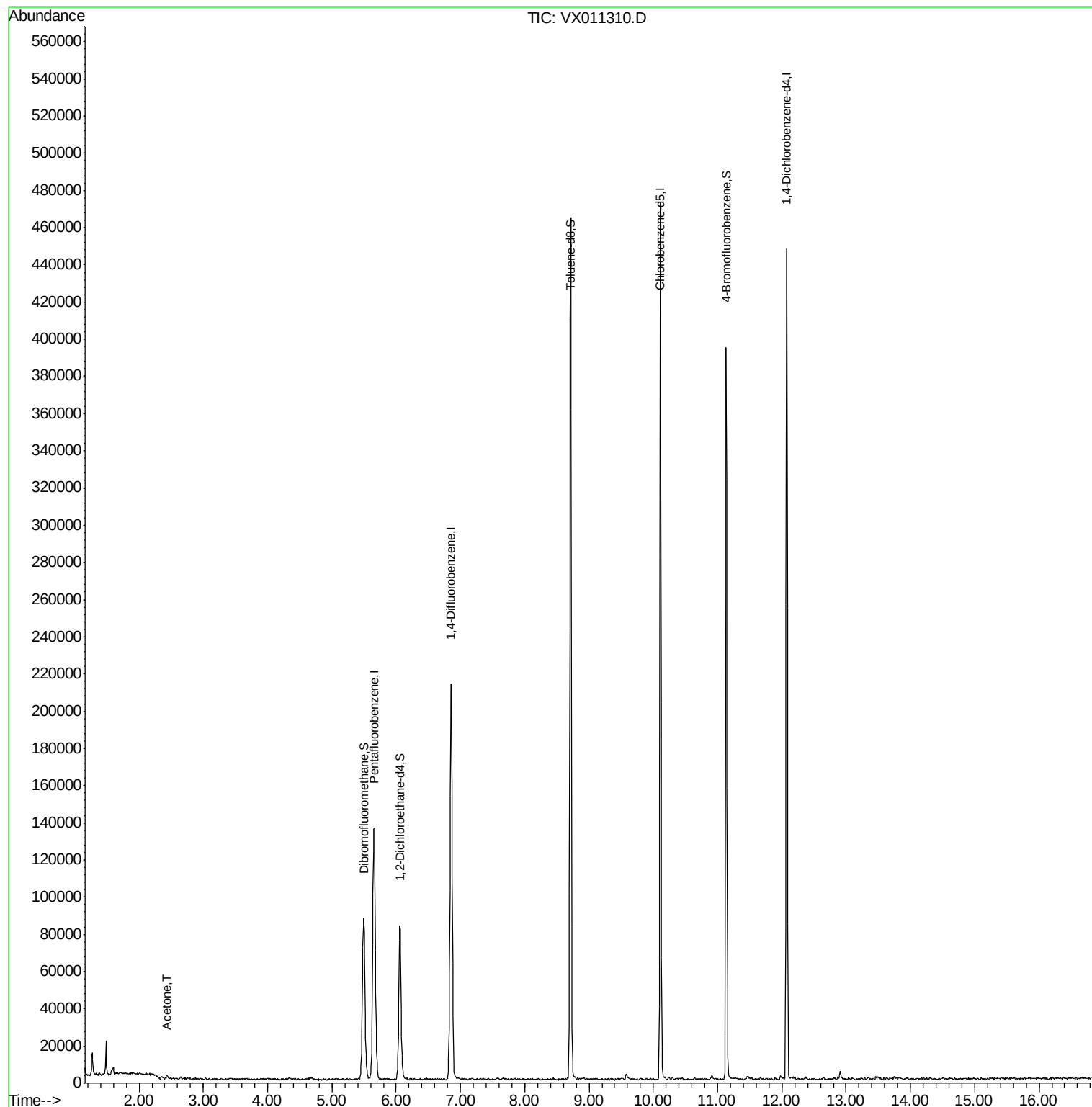
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 138713   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 225413   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 214853   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 101286   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 75565    | 54.09 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.18% |           |
| 35) Dibromofluoromethane    | 5.49  | 113  | 71357    | 48.49 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.98%  |           |
| 50) Toluene-d8              | 8.71  | 98   | 275386   | 49.57 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.14%  |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 92061    | 46.42 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.84%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.43  | 43   | 2735     | 4.113 | ug/l    | Qvalue 97 |

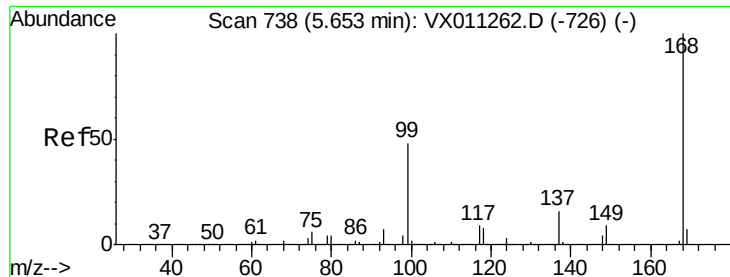
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Aug 02 01:55:00 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011310.D

Acq: 02 Aug 2019 17:17

Instrument :

MSVOA\_X

ClientSampleId :

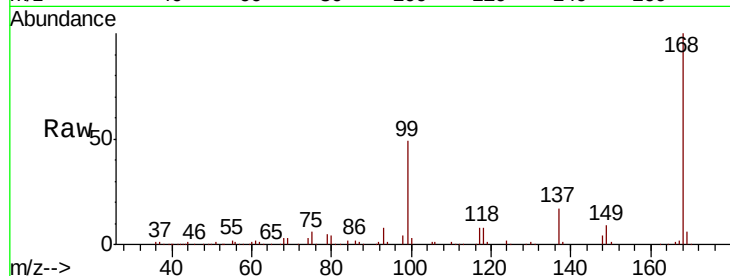
BP-VPB203-DUP-20190801

Tot Ion:168 Resp: 138713

Ion Ratio Lower Upper

168 100

99 49.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

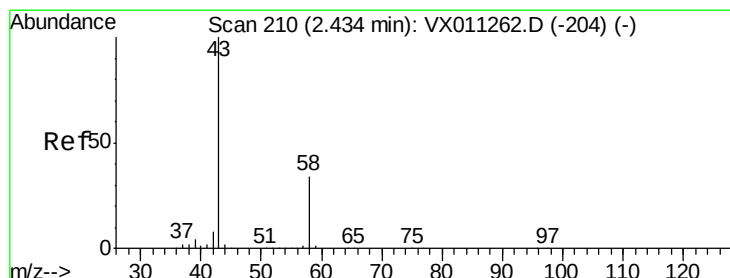
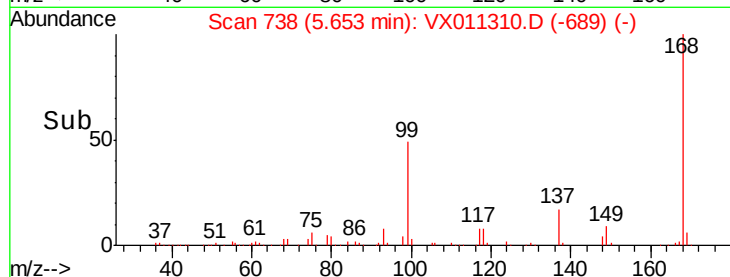
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.113 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011310.D

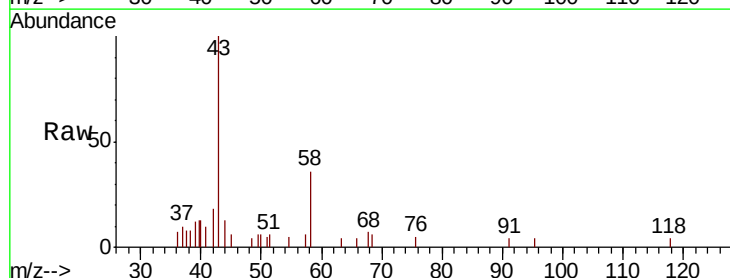
Acq: 02 Aug 2019 17:17

Tgt Ion: 43 Resp: 2735

Ion Ratio Lower Upper

43 100

58 36.0 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

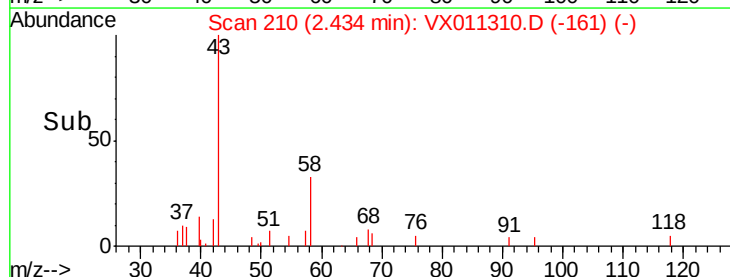
1500

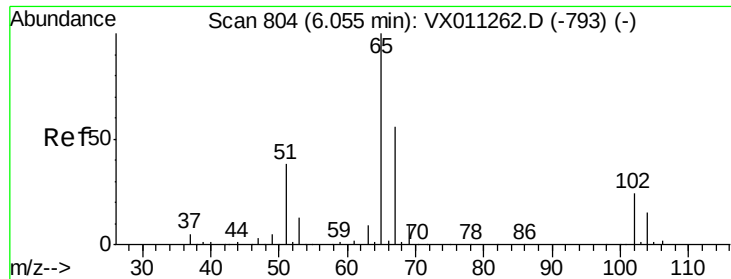
1000

500

0

Time--> 2.35 2.40 2.45 2.50

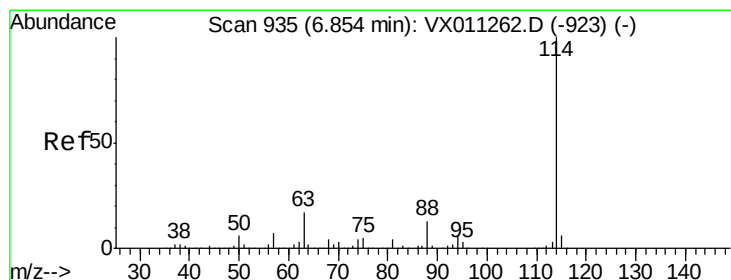
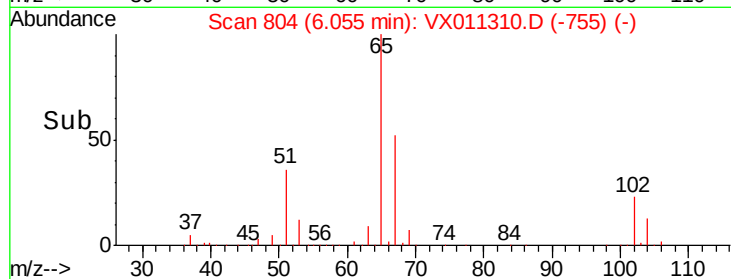
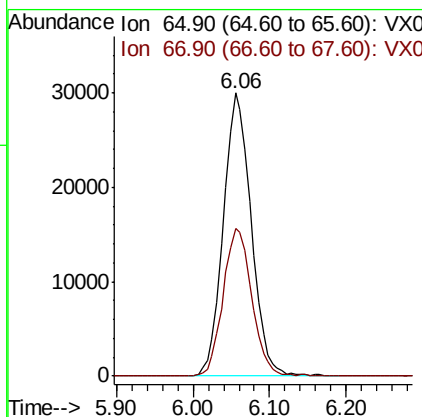
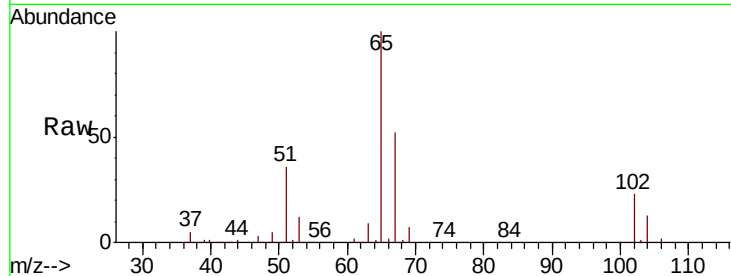




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.094 ug/l  
 RT: 6.06 min Scan# 804  
 Delta R.T. 0.00 min  
 Lab File: VX011310.D  
 Acq: 02 Aug 2019 17:17

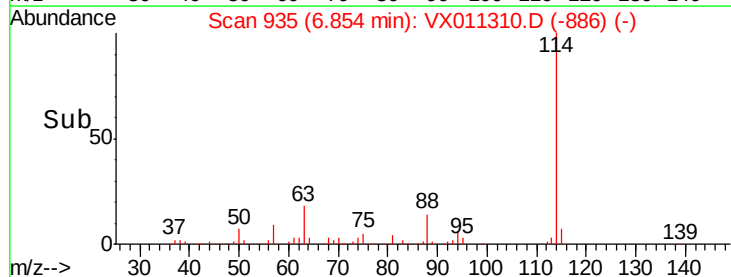
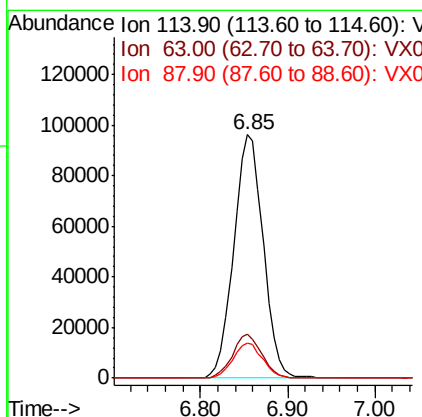
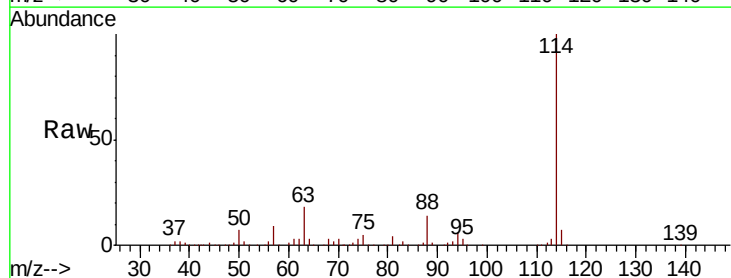
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB203-DUP-20190801

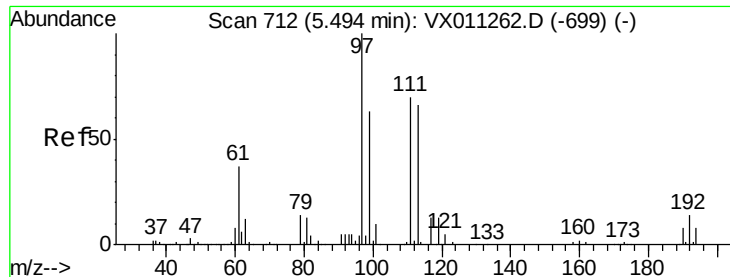
Tot Ion: 65 Resp: 75565  
 Ion Ratio Lower Upper  
 65 100  
 67 54.0 0.0 110.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX011310.D  
 Acq: 02 Aug 2019 17:17

Tgt Ion: 114 Resp: 225413  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 34.0  
 88 14.3 0.0 26.4

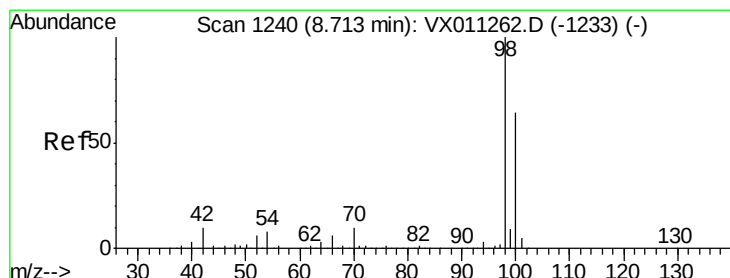
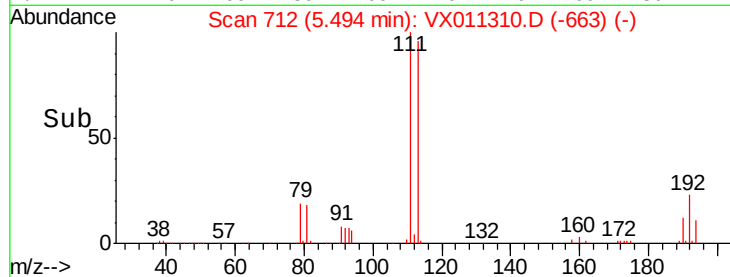
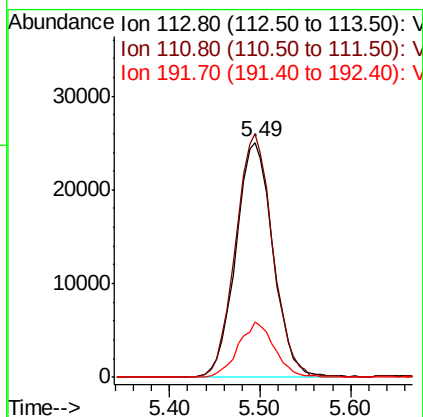
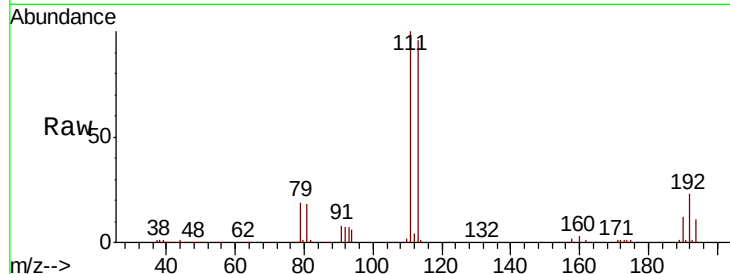




#35  
 Dibromofluoromethane  
 Concen: 48.487 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. 0.00 min  
 Lab File: VX011310.D  
 Acq: 02 Aug 2019 17:17

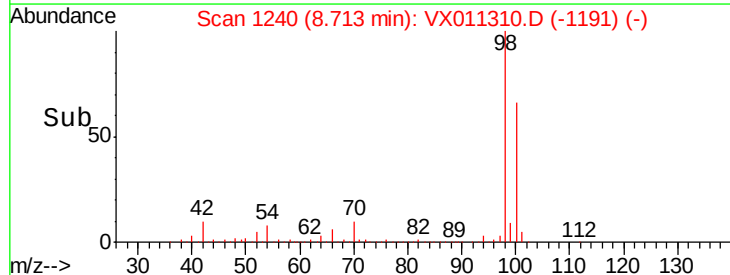
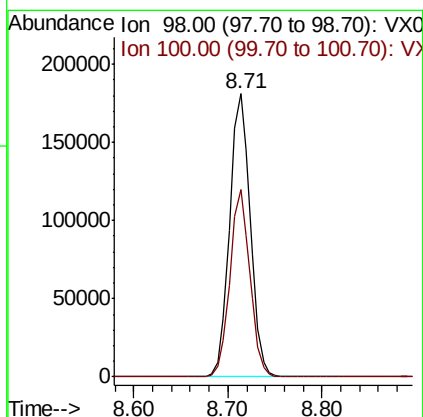
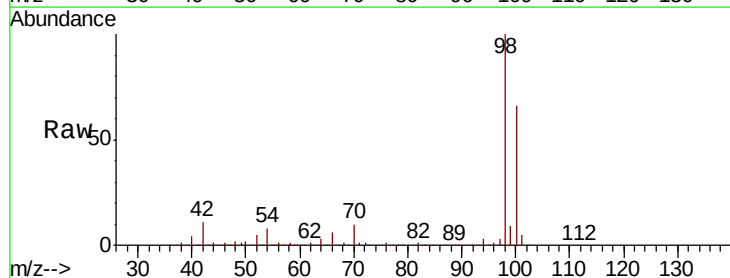
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB203-DUP-20190801

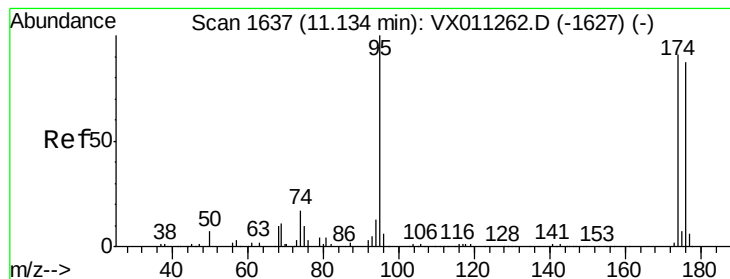
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 81.9  | 122.9 |
| 192     | 22.6  | 17.8  | 26.8  |



#50  
 Toluene-d8  
 Concen: 49.573 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX011310.D  
 Acq: 02 Aug 2019 17:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.2  | 51.7  | 77.5  |





#62

4-Bromofluorobenzene

Concen: 46.417 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011310.D

Acq: 02 Aug 2019 17:17

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB203-DUP-20190801

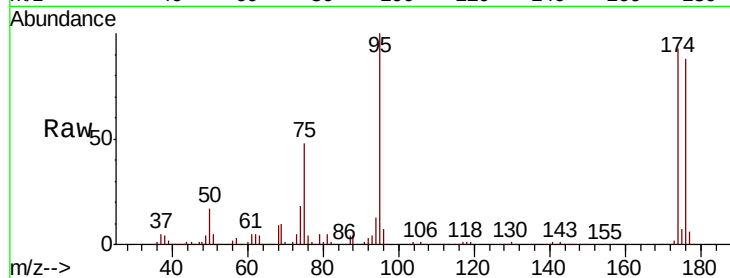
Tot Ion: 95 Resp: 92061

Ion Ratio Lower Upper

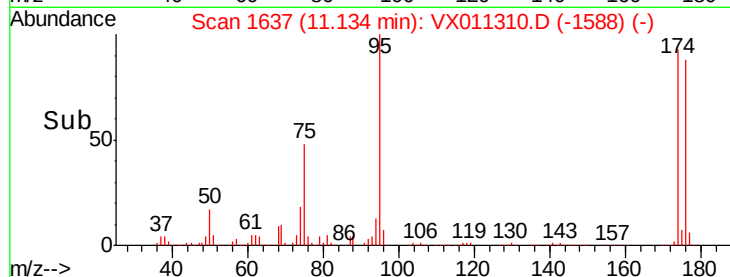
95 100

174 96.6 0.0 191.2

176 92.2 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX011310.D (-1588) (-)



Ion 173.80 (173.50 to 174.50): VX011310.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011310.D (-1588) (-)

Time-->

11.13

100000

80000

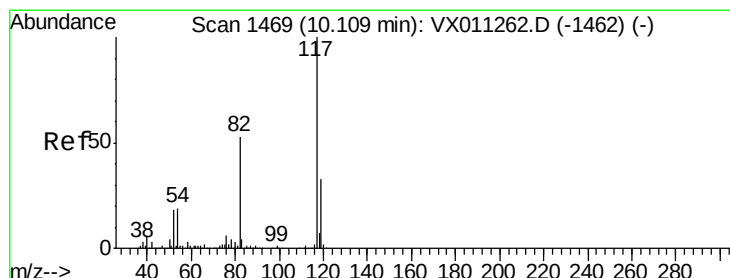
60000

40000

20000

0

11.10 11.20 11.30



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011310.D

Acq: 02 Aug 2019 17:17

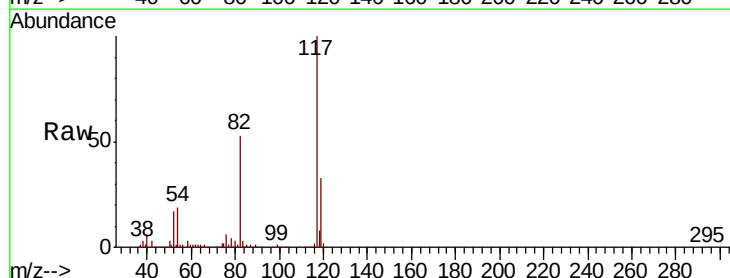
Tgt Ion: 117 Resp: 214853

Ion Ratio Lower Upper

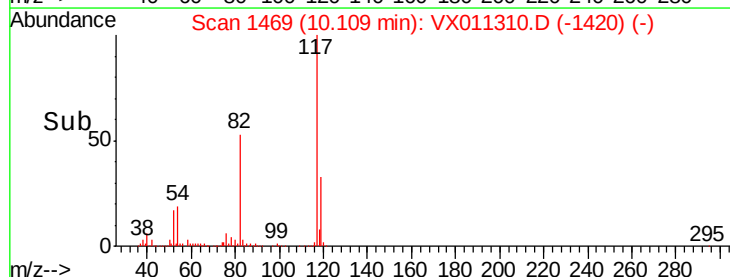
117 100

82 52.5 42.2 63.2

119 33.1 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): VX011310.D (-1420) (-)



Ion 82.00 (81.70 to 82.70): VX011310.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011310.D (-1420) (-)

Time-->

10.11

200000

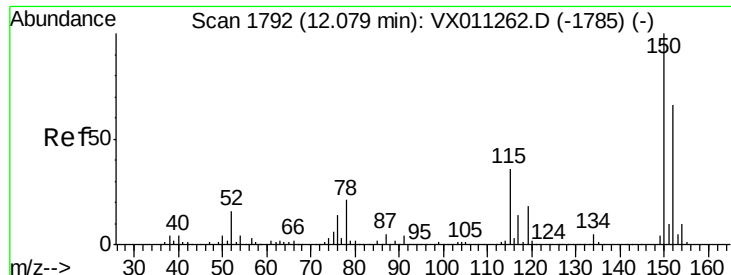
150000

100000

50000

0

10.10 10.20



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX011310.D  
 Acq: 02 Aug 2019 17:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB203-DUP-20190801

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.1  | 40.0  | 119.9 |
| 150     | 153.8 | 0.0   | 350.4 |

