

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\  
 Data File : VX012911.D  
 Acq On : 09 Oct 2019 00:49  
 Operator : JC/SP  
 Sample : K5190-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FC-MW10I-20191002

Quant Time: Oct 09 07:28:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 09 01:51:23 2019  
 Response via : Initial Calibration

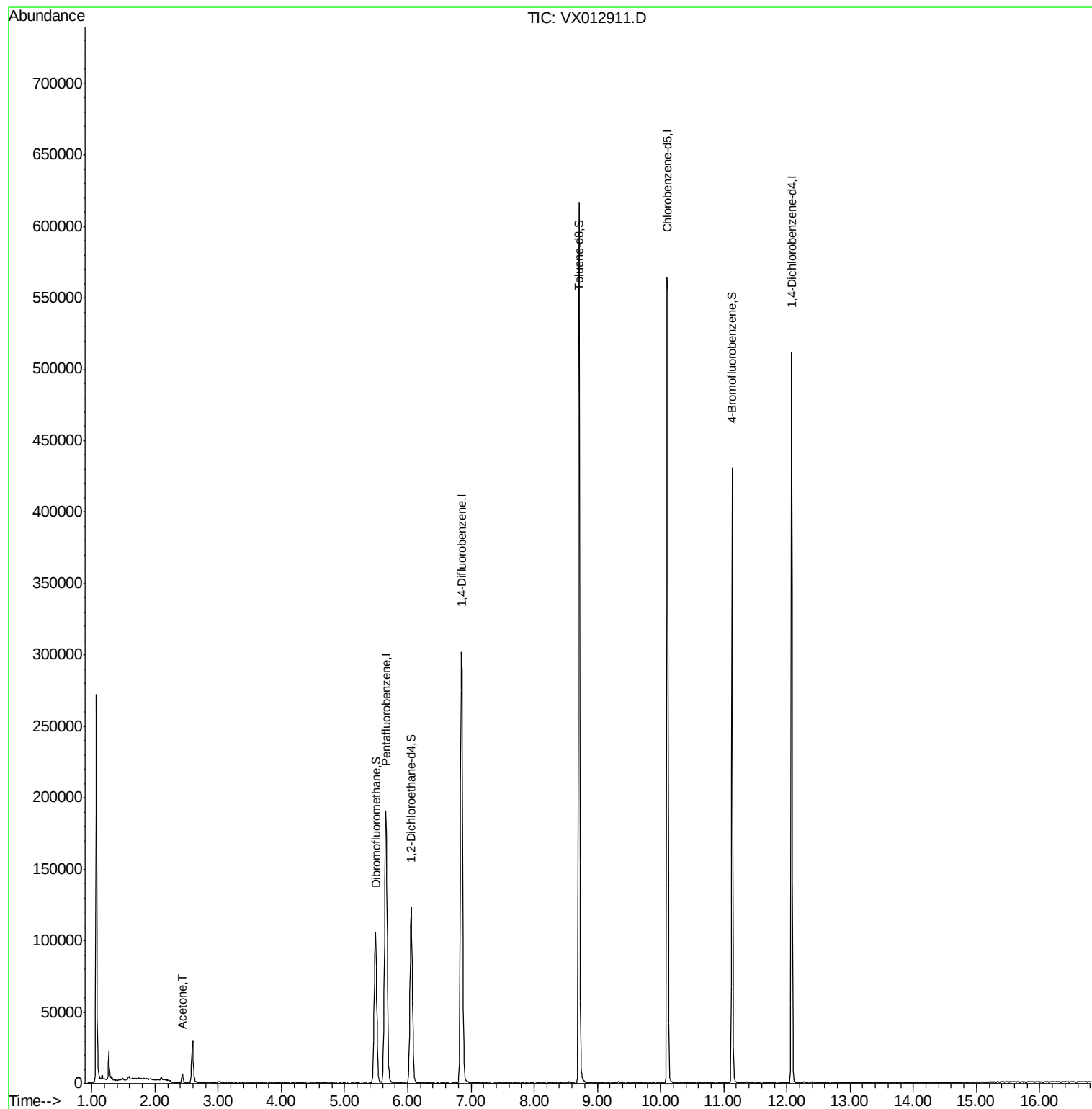
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 179323   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 306411   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 262500   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 100549   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 118811   | 53.01 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.02% |           |
| 35) Dibromofluoromethane    | 5.49  | 113  | 91528    | 52.04 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.08% |           |
| 50) Toluene-d8              | 8.71  | 98   | 359799   | 52.46 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.92% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 122011   | 45.78 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.56%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.44  | 43   | 6690     | 5.663 | ug/l    | Qvalue 91 |

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

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Quant Title : SW846 8260  
QLast Update : Wed Oct 09 01:51:23 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012911.D

Acq: 09 Oct 2019 00:49

Instrument :

MSVOA\_X

ClientSampleId :

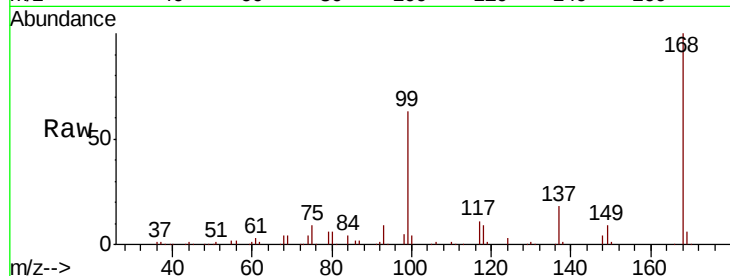
FC-MW10I-20191002

Tot Ion:168 Resp: 179323

Ion Ratio Lower Upper

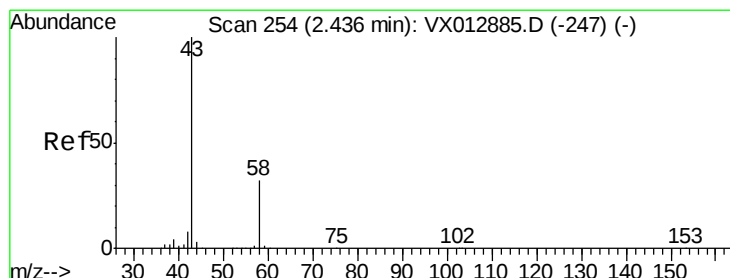
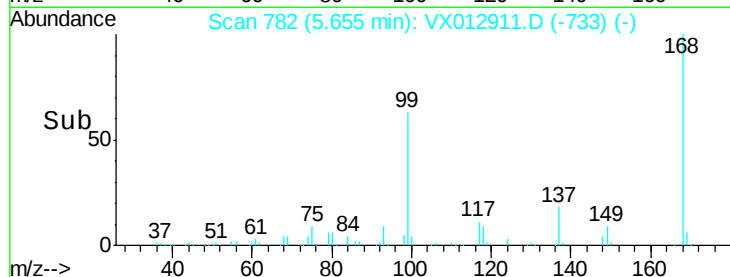
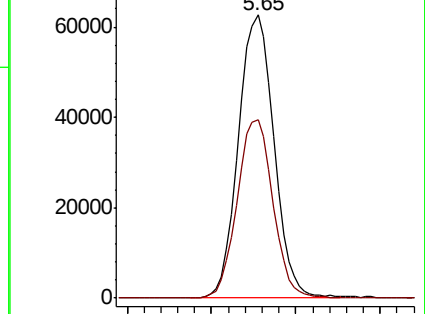
168 100

99 63.1 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.663 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012911.D

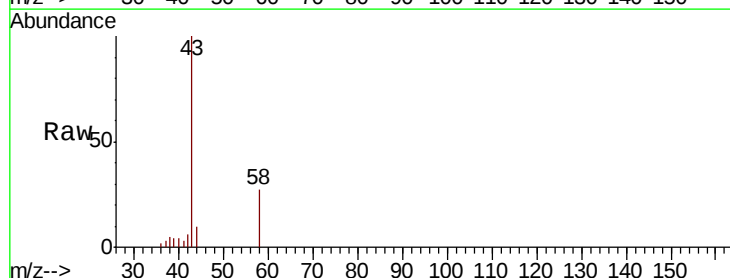
Acq: 09 Oct 2019 00:49

Tgt Ion: 43 Resp: 6690

Ion Ratio Lower Upper

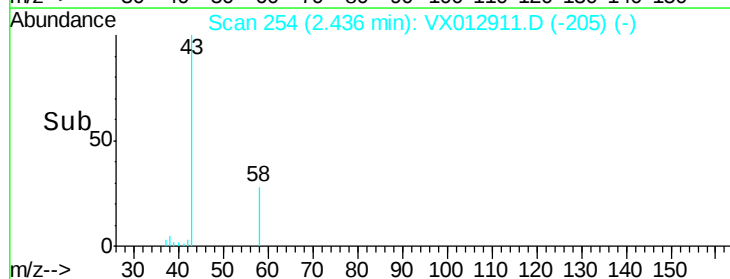
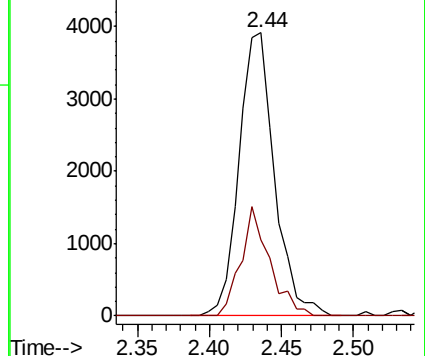
43 100

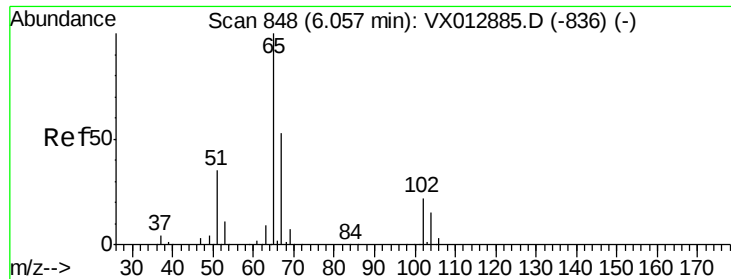
58 26.9 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

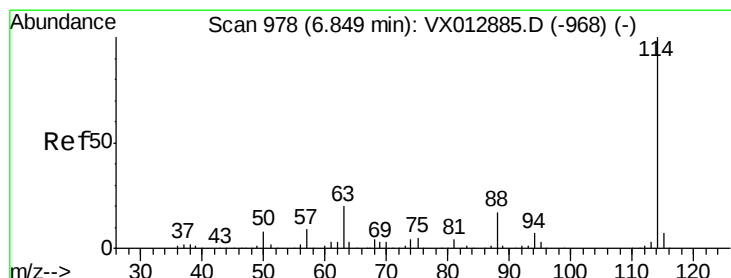
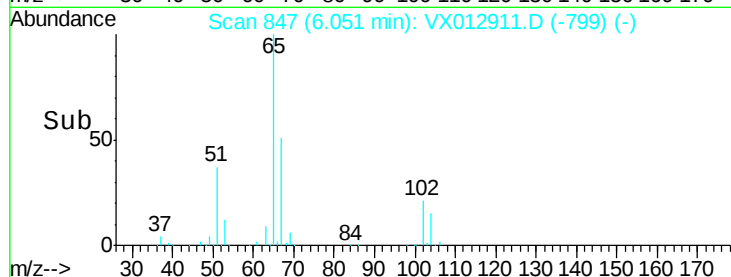
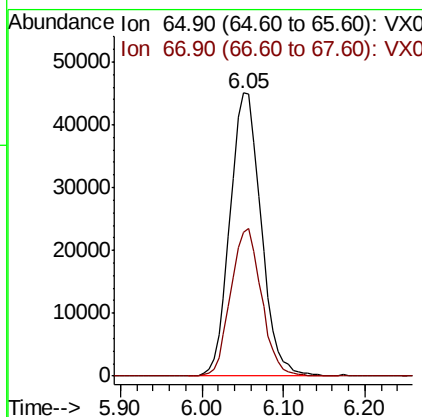
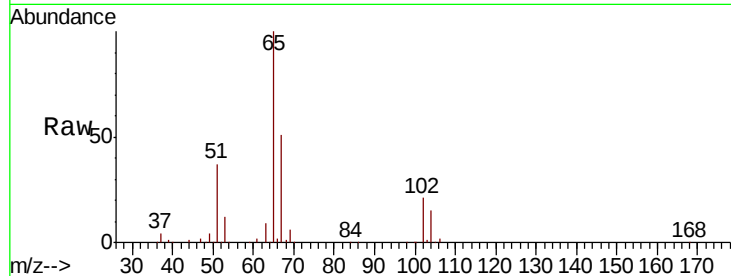




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.010 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. -0.01 min  
 Lab File: VX012911.D  
 Acq: 09 Oct 2019 00:49

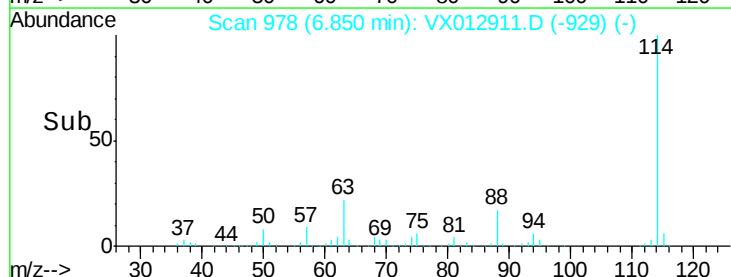
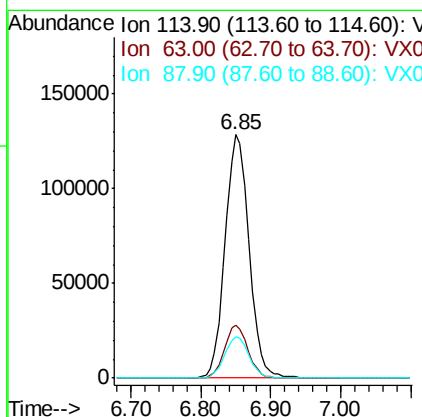
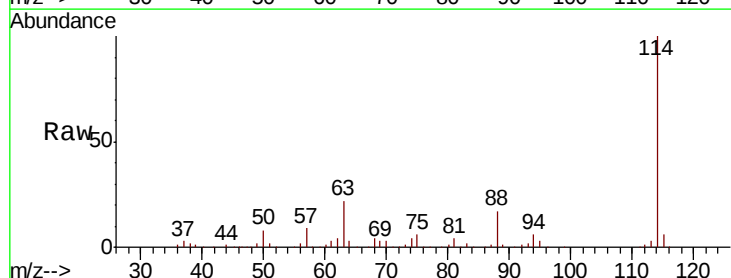
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FC-MW10I-20191002

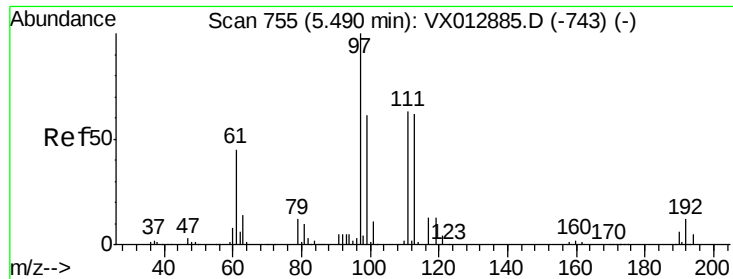
Tot Ion: 65 Resp: 118811  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012911.D  
 Acq: 09 Oct 2019 00:49

Tgt Ion: 114 Resp: 306411  
 Ion Ratio Lower Upper  
 114 100  
 63 21.7 0.0 40.8  
 88 16.9 0.0 33.8

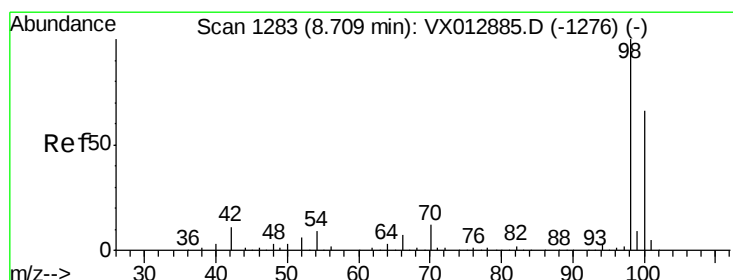
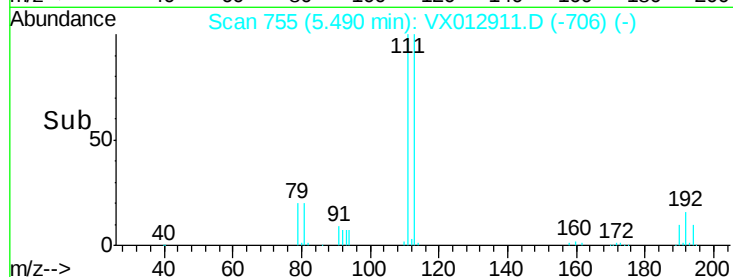
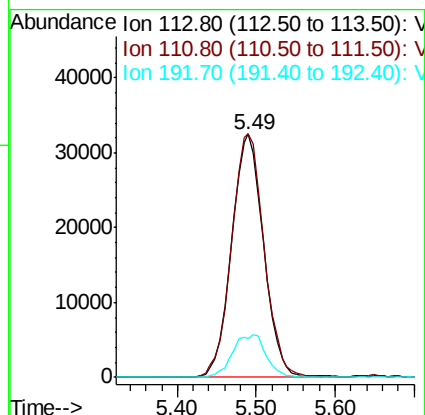
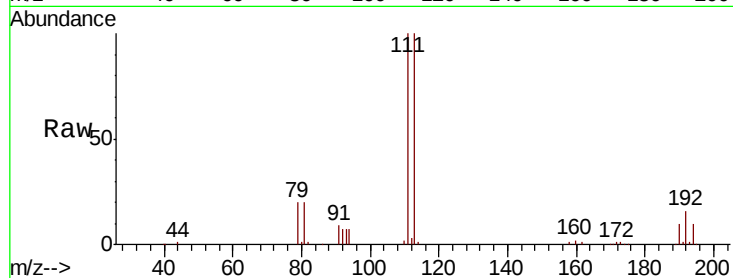




#35  
 Dibromofluoromethane  
 Concen: 52.045 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX012911.D  
 Acq: 09 Oct 2019 00:49

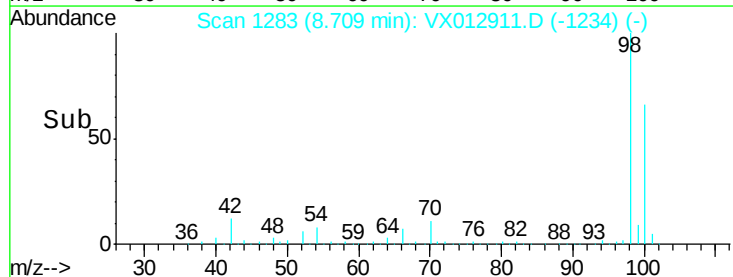
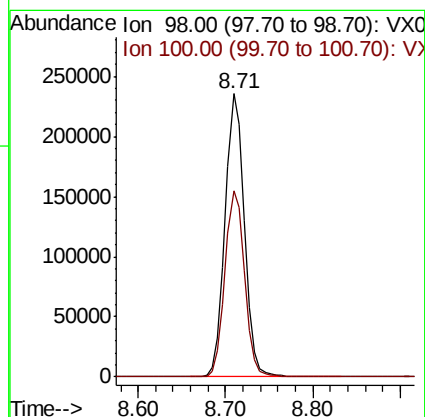
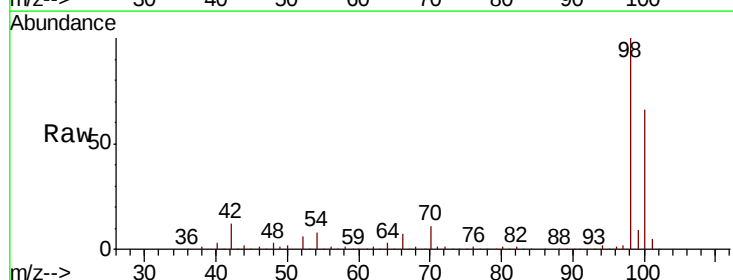
Instrument :  
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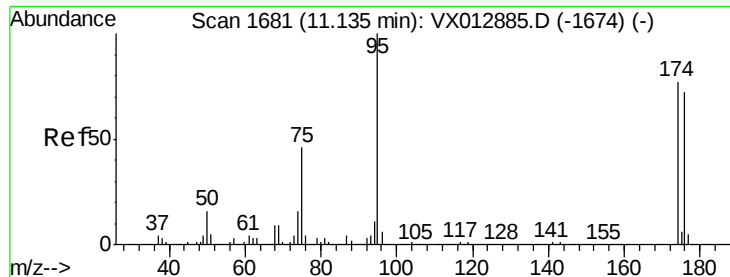
Tot Ion:113 Resp: 91528  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 83.2 124.8  
 192 18.4 15.4 23.2



#50  
 Toluene-d8  
 Concen: 52.456 ug/l  
 RT: 8.71 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VX012911.D  
 Acq: 09 Oct 2019 00:49

Tgt Ion: 98 Resp: 359799  
 Ion Ratio Lower Upper  
 98 100  
 100 66.9 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 45.780 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012911.D

Acq: 09 Oct 2019 00:49

Instrument :

MSVOA\_X

ClientSampleId :

FC-MW10I-20191002

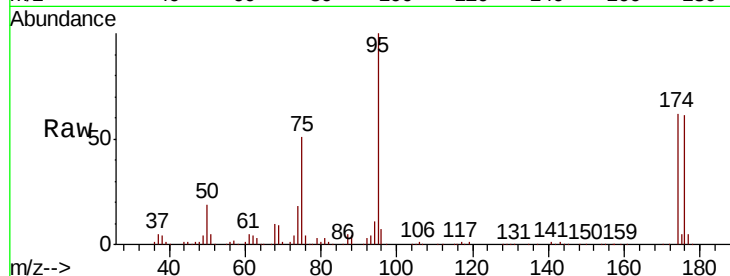
Tot Ion: 95 Resp: 122011

Ion Ratio Lower Upper

95 100

174 71.0 0.0 143.4

176 68.8 0.0 136.0



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

11.13

100000

80000

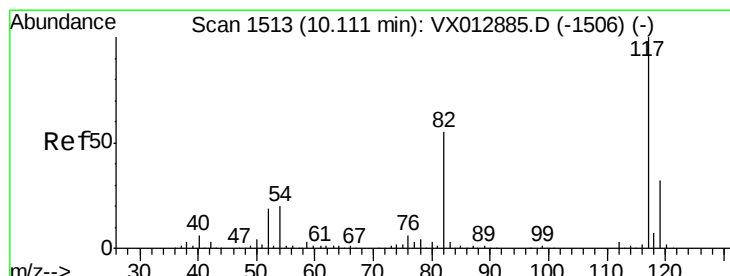
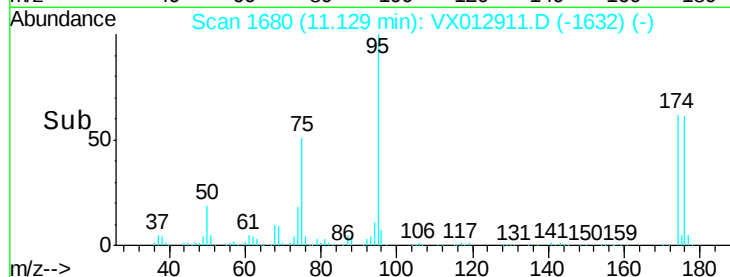
60000

40000

20000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012911.D

Acq: 09 Oct 2019 00:49

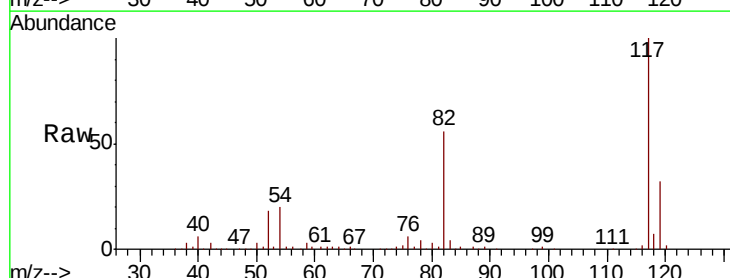
Tgt Ion: 117 Resp: 262500

Ion Ratio Lower Upper

117 100

82 55.7 44.1 66.1

119 32.2 25.8 38.8



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

250000

200000

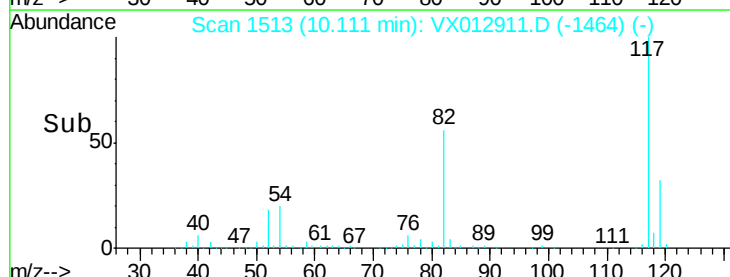
150000

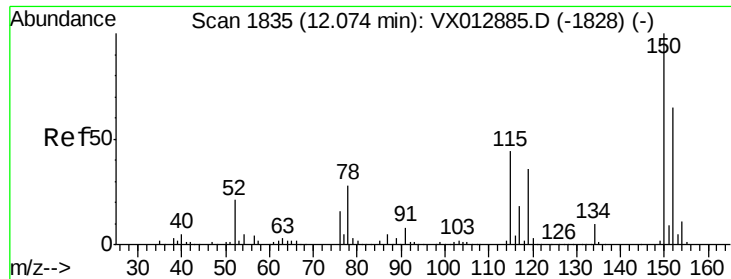
100000

50000

0

Time-->

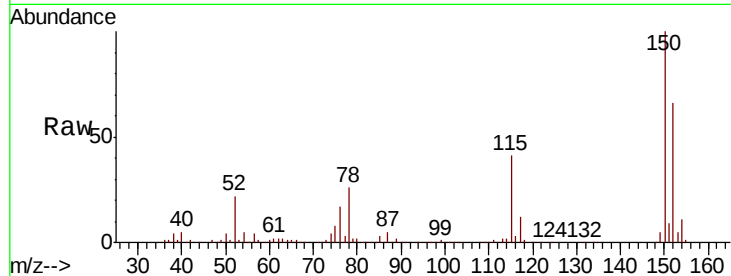




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX012911.D  
 Acq: 09 Oct 2019 00:49

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FC-MW10I-20191002

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.5  | 44.5  | 133.5 |
| 150     | 156.8 | 0.0   | 353.4 |



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

