

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\  
 Data File : VX012983.D  
 Acq On : 10 Oct 2019 10:12  
 Operator : JC/SP  
 Sample : VX1010WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1010WBL01

Quant Time: Oct 11 05:04:30 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  | 179699   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 300953   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 256647   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 100368   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 114961   | 51.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.36% |      |
| 35) Dibromofluoromethane    | 5.48   | 113 | 90575    | 52.44 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.88% |      |
| 50) Toluene-d8              | 8.71   | 98  | 350185   | 51.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.96% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 121597   | 46.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.90%  |      |

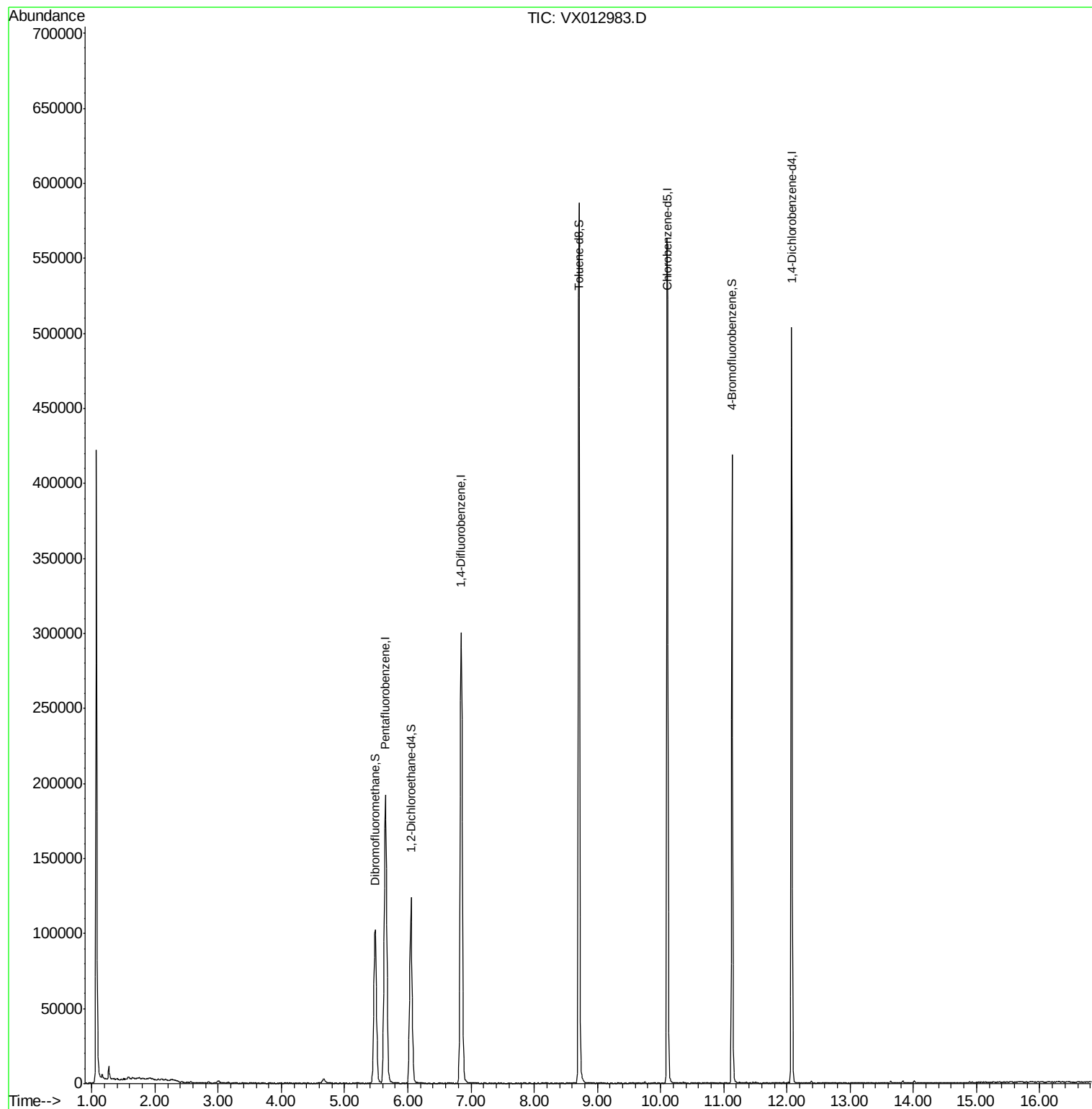
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

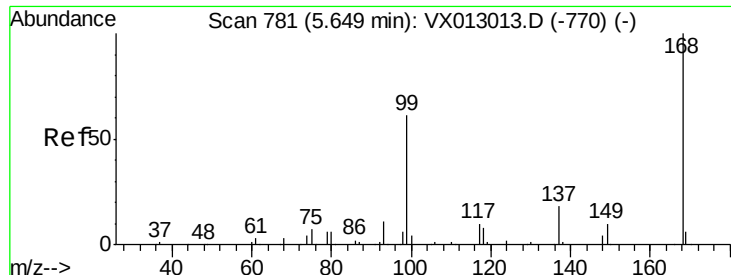
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VX1010WBL01

Quant Time: Oct 11 05:04:30 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
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# 781

Delta R.T. -0.01 min

Lab File: VX012983.D

Acq: 10 Oct 2019 10:12

Instrument :

MSVOA\_X

ClientSampleId :

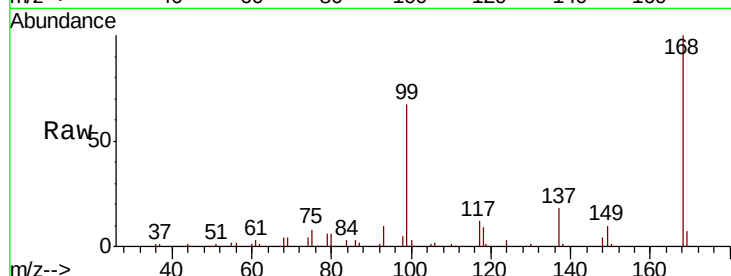
VX1010WBL01

Tot Ion:168 Resp: 179699

Ion Ratio Lower Upper

168 100

99 66.7 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): VX013013.D (-770) (-)

Ion 98.90 (98.60 to 99.60): VX013013.D (-770) (-)

5.65

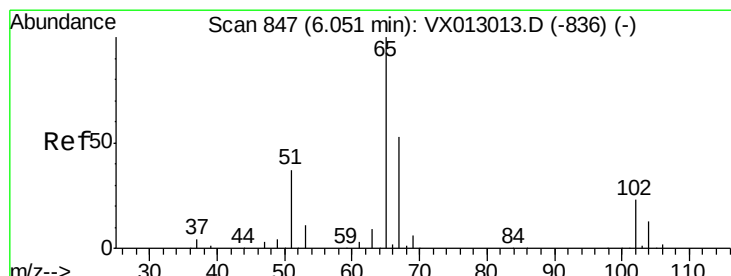
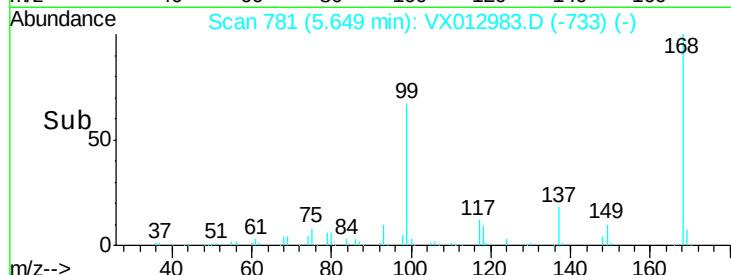
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#33

1,2-Dichloroethane-d4

Concen: 51.185 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012983.D

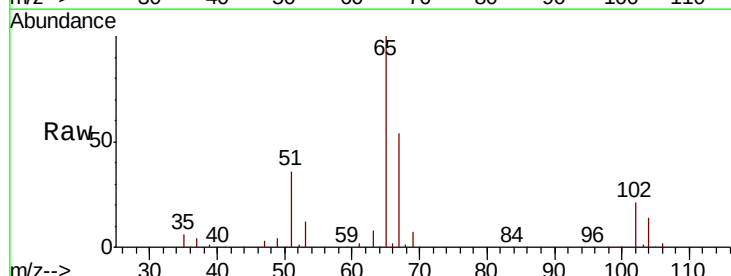
Acq: 10 Oct 2019 10:12

Tgt Ion: 65 Resp: 114961

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX013013.D (-836) (-)

Ion 66.90 (66.60 to 67.60): VX013013.D (-836) (-)

6.05

50000

40000

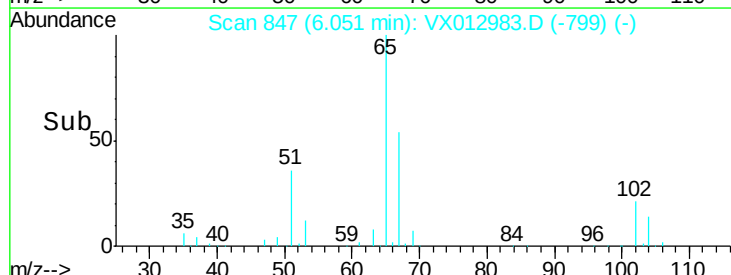
30000

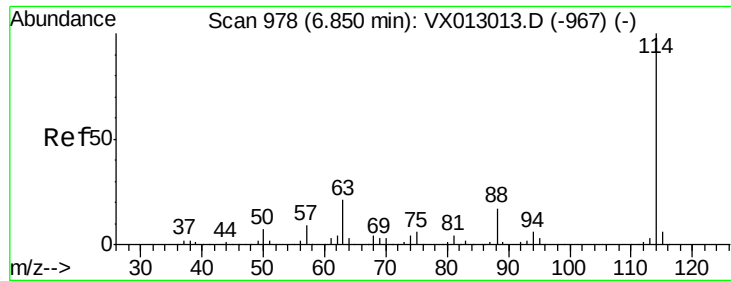
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

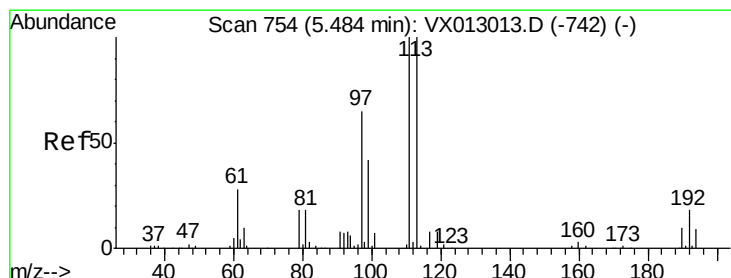
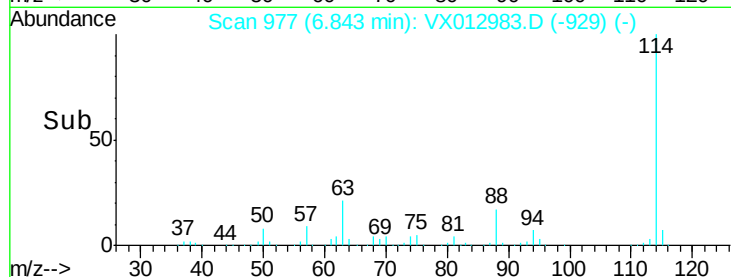
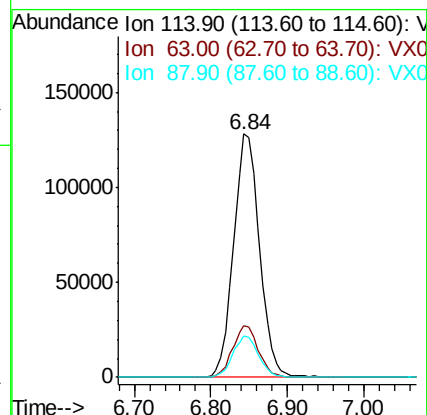
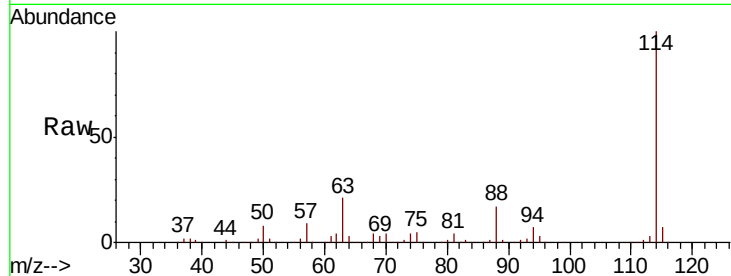




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.84 min Scan# 977  
Delta R.T. -0.01 min  
Lab File: VX012983.D  
Acq: 10 Oct 2019 10:12

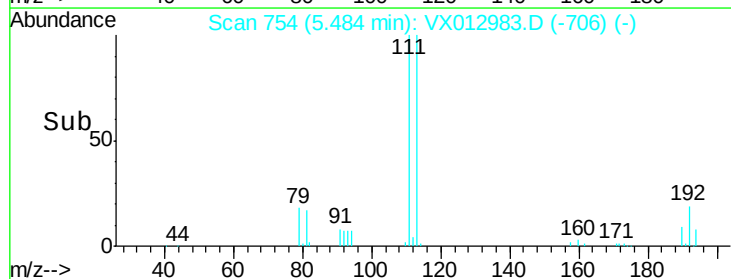
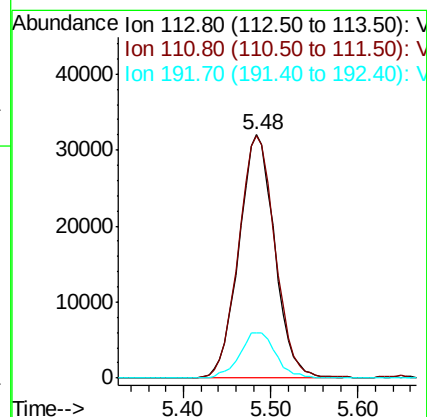
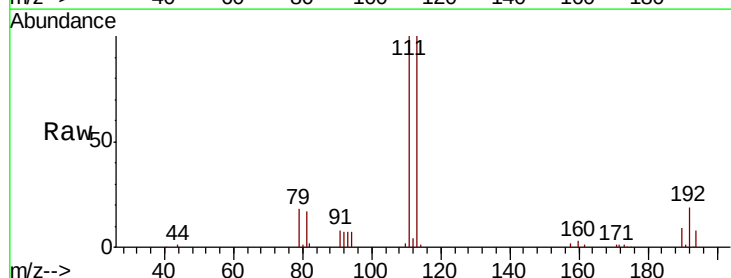
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1010WBL01

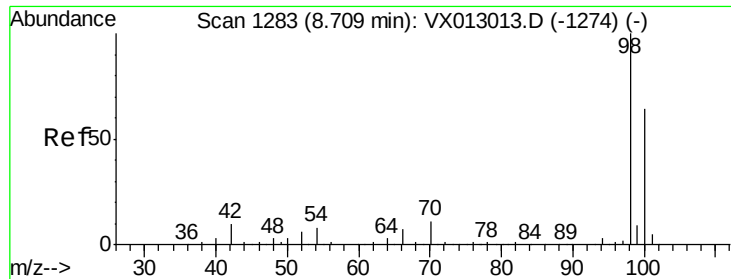
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.0  | 0.0   | 40.8  |
| 88      | 17.2  | 0.0   | 33.8  |



#35  
Dibromofluoromethane  
Concen: 52.437 ug/l  
RT: 5.48 min Scan# 754  
Delta R.T. -0.01 min  
Lab File: VX012983.D  
Acq: 10 Oct 2019 10:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 83.2  | 124.8 |
| 192     | 18.9  | 15.4  | 23.2  |

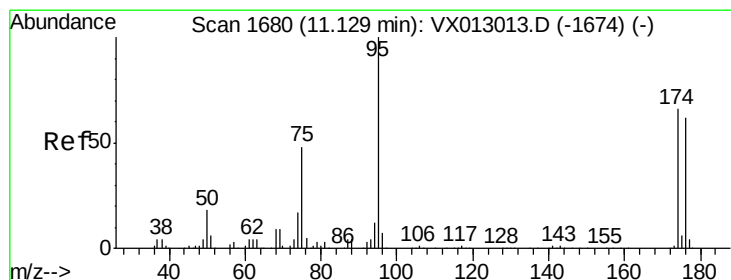
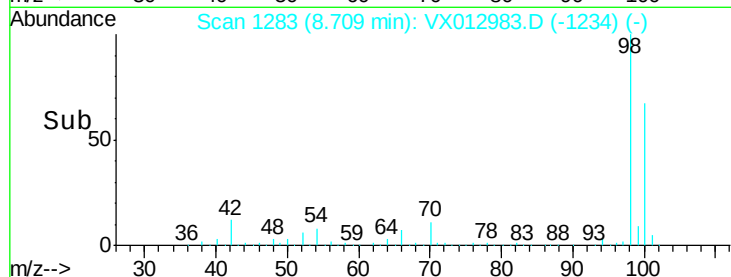
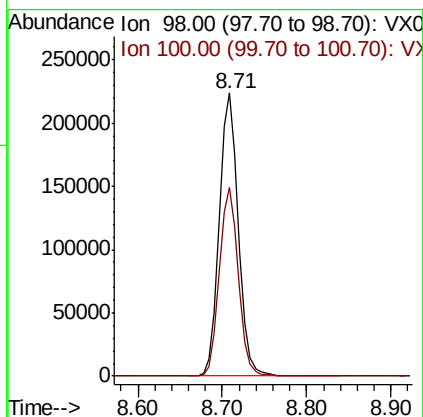
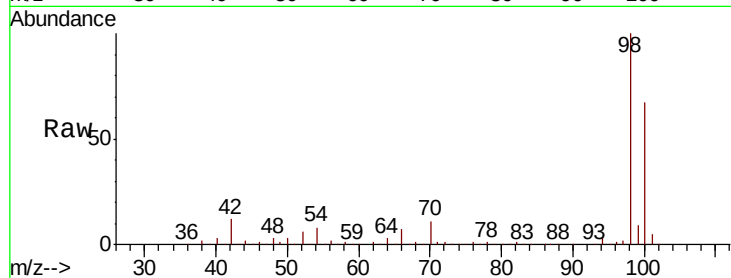




#50  
Toluene-d8  
Concen: 51.980 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012983.D  
Acq: 10 Oct 2019 10:12

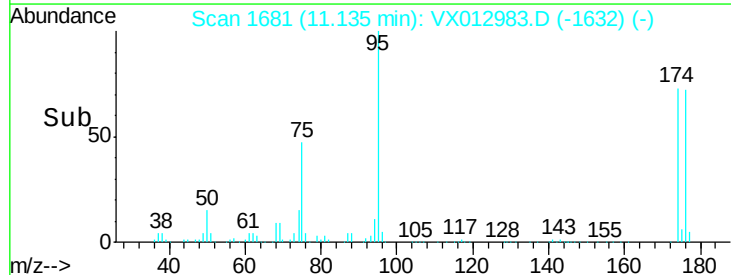
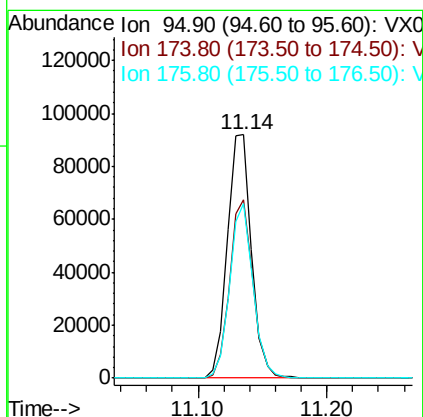
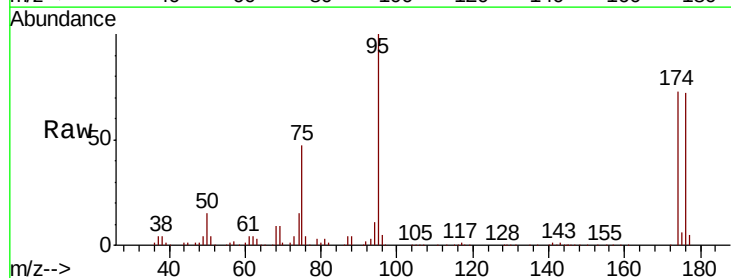
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1010WBL01

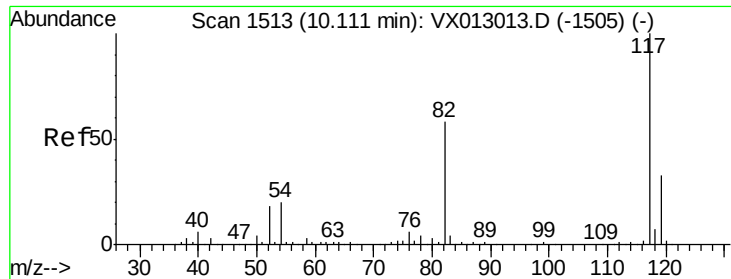
Tot Ion: 98 Resp: 350185  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.4 80.2



#62  
4-Bromofluorobenzene  
Concen: 46.452 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX012983.D  
Acq: 10 Oct 2019 10:12

Tgt Ion: 95 Resp: 121597  
Ion Ratio Lower Upper  
95 100  
174 70.9 0.0 143.4  
176 69.2 0.0 136.0

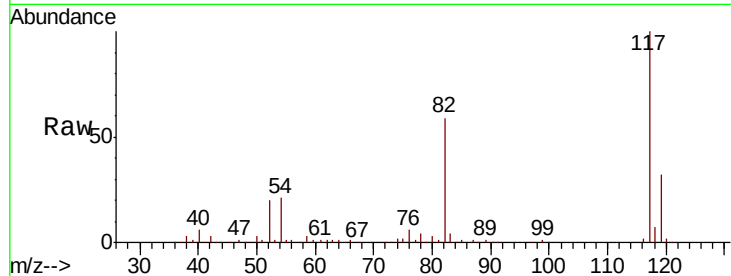




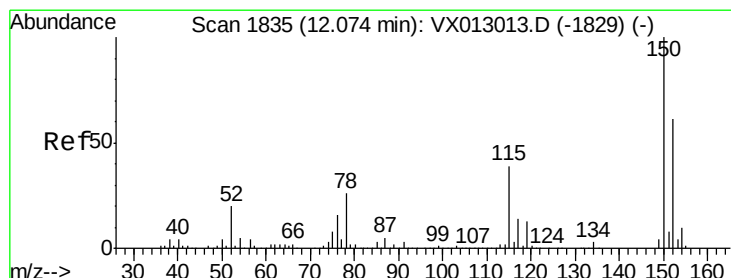
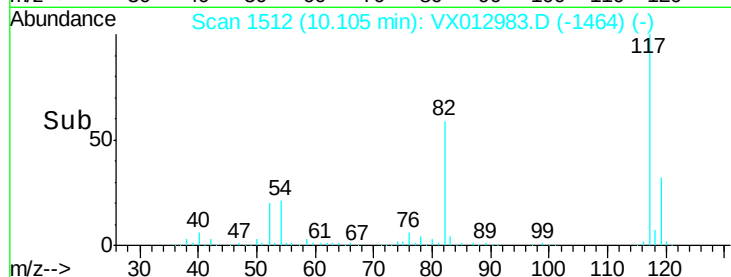
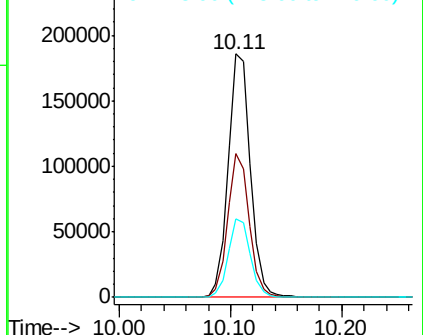
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX012983.D  
Acq: 10 Oct 2019 10:12

Instrument :  
MSVOA\_X  
ClientSampled :  
VX1010WBL01

Tot Ion:117 Resp: 256647  
Ion Ratio Lower Upper  
117 100  
82 58.9 44.1 66.1  
119 32.1 25.8 38.8

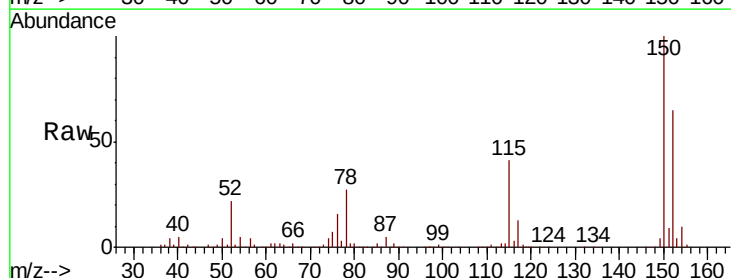


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX012983.D  
Acq: 10 Oct 2019 10:12

Tgt Ion:152 Resp: 100368  
Ion Ratio Lower Upper  
152 100  
115 63.7 44.5 133.5  
150 157.9 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

