

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100319\  
 Data File : VX012779.D  
 Acq On : 03 Oct 2019 13:30  
 Operator : JC/SP  
 Sample : K5157-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S49-TB-2019-7

Quant Time: Oct 04 07:03:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 180617   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 310247   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 267748   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 98918    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 126122   | 47.95 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.90%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 98273    | 53.19 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.38% |          |
| 50) Toluene-d8              | 8.71  | 98   | 373264   | 52.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.92% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 123033   | 43.97 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.94%  |          |

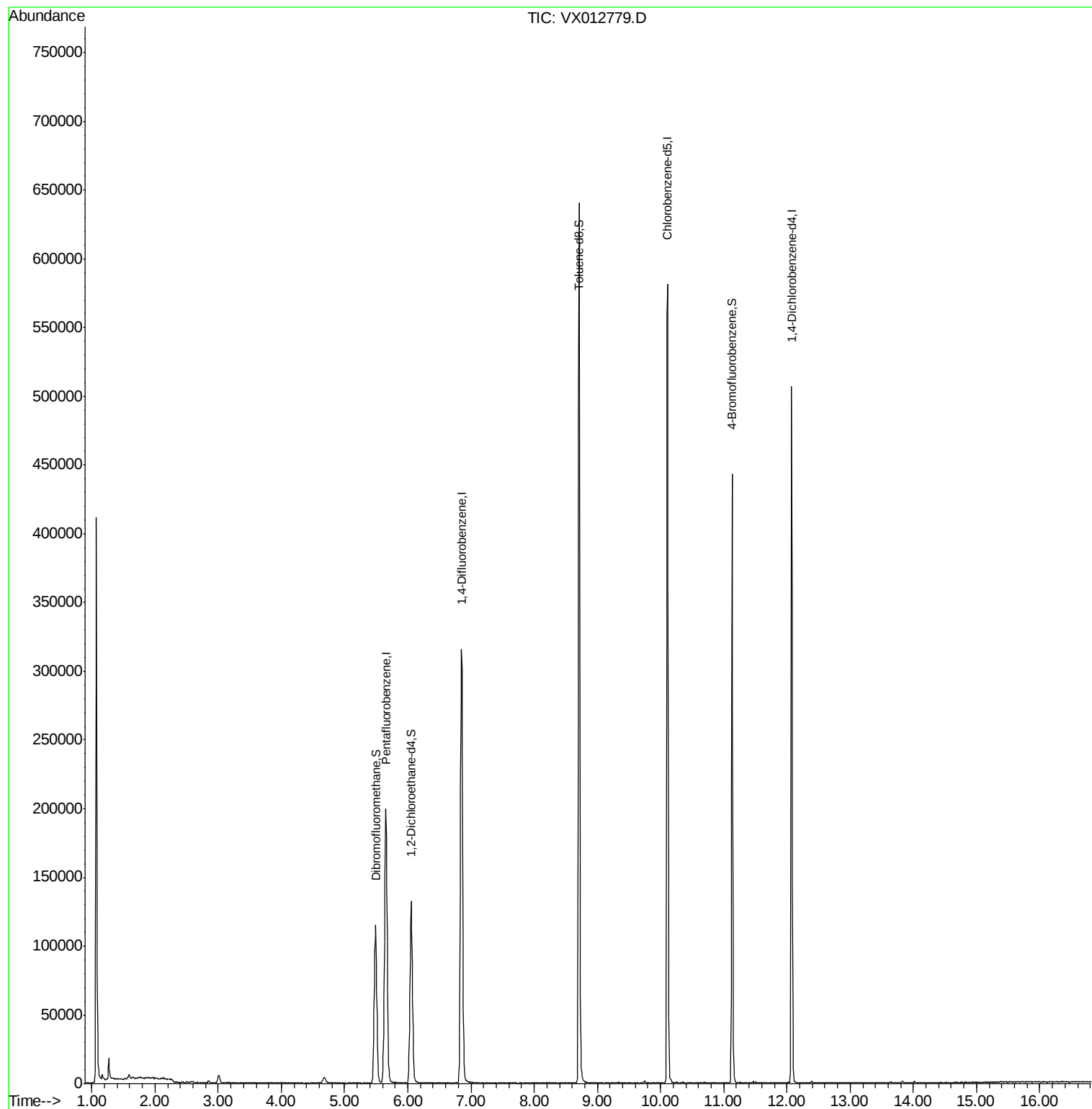
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

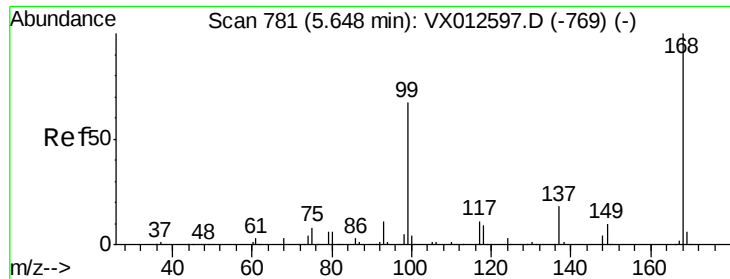
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100319\  
Data File : VX012779.D  
Acq On : 03 Oct 2019 13:30  
Operator : JC/SP  
Sample : K5157-07  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
S49-TB-2019-7

Quant Time: Oct 04 07:03:58 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration

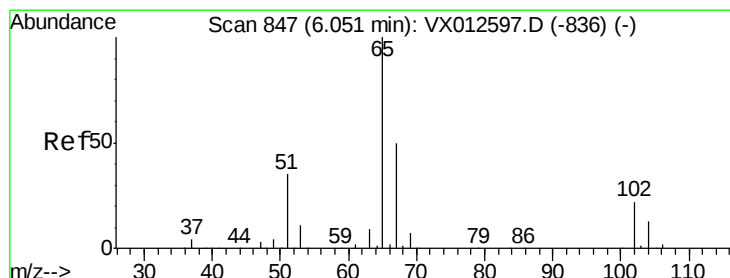
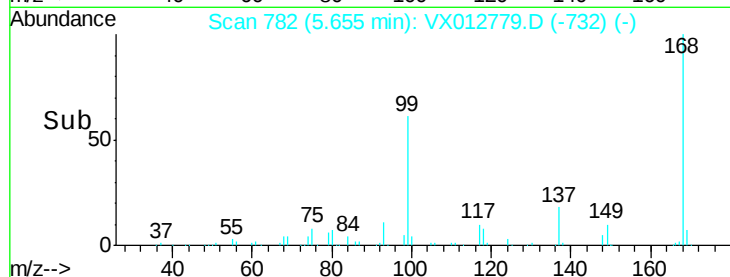
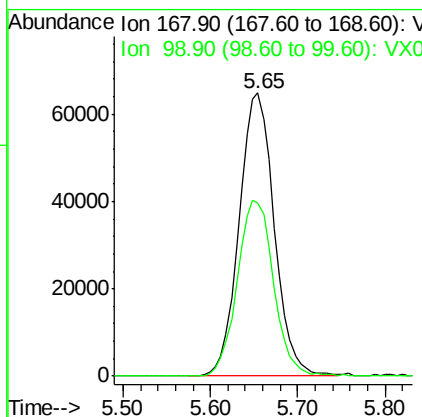
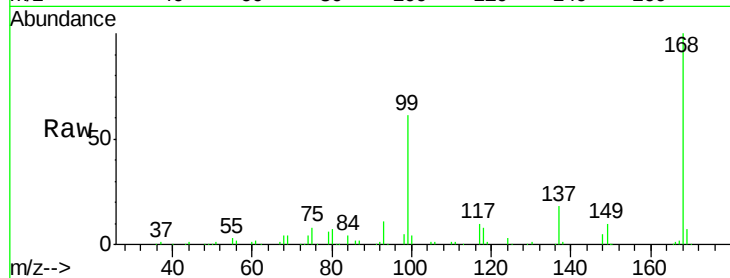




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.65 min Scan# 782  
Delta R.T. 0.01 min  
Lab File: VX012779.D  
Acq: 03 Oct 2019 13:30

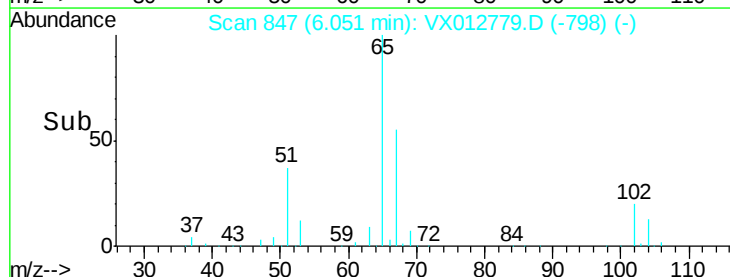
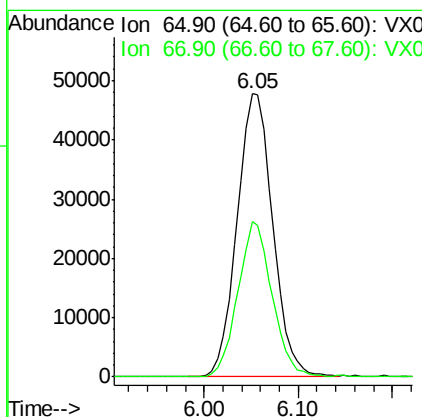
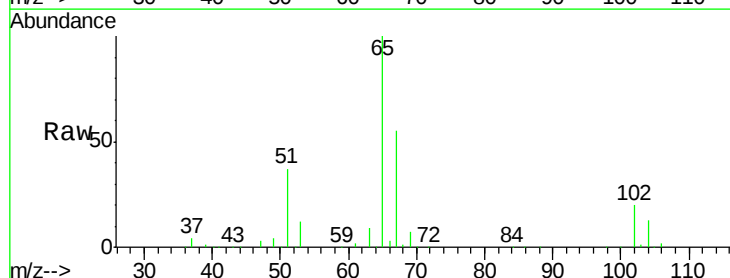
Instrument :  
MSVOA\_X  
ClientSampleId :  
S49-TB-2019-7

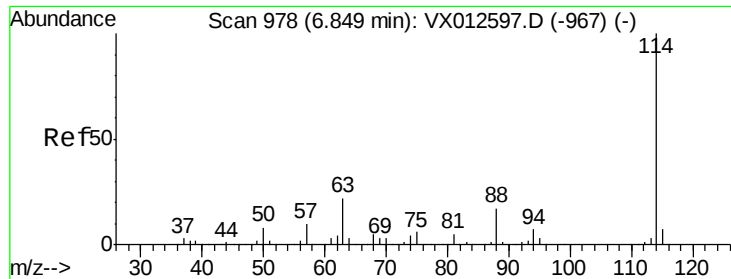
Tot Ion:168 Resp: 180617  
Ion Ratio Lower Upper  
168 100  
99 61.1 51.4 77.2



#33  
1,2-Dichloroethane-d4  
Concen: 47.953 ug/l  
RT: 6.05 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: VX012779.D  
Acq: 03 Oct 2019 13:30

Tgt Ion: 65 Resp: 126122  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 101.2

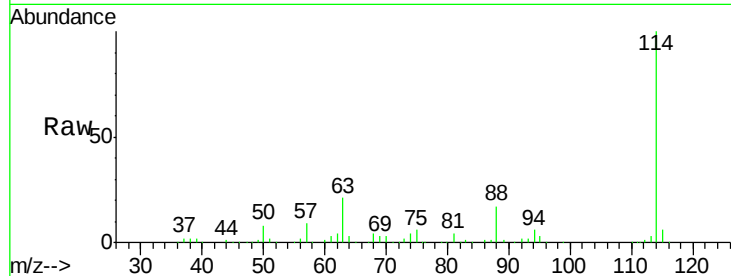




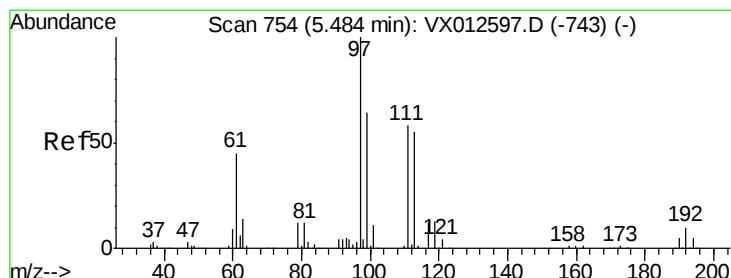
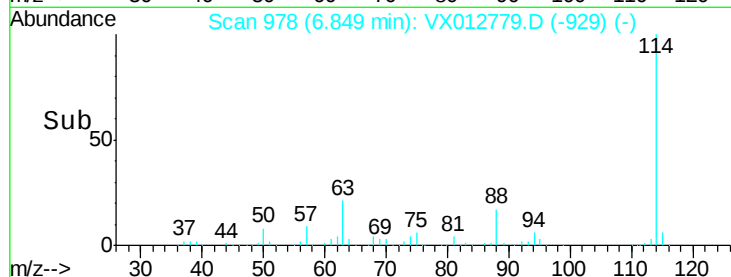
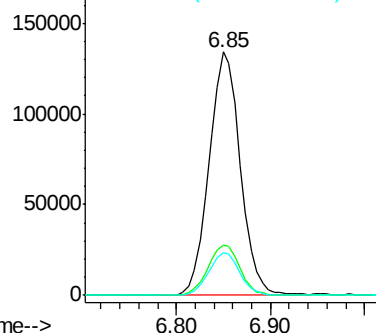
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.85 min Scan# 978  
Delta R.T. 0.00 min  
Lab File: VX012779.D  
Acq: 03 Oct 2019 13:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
S49-TB-2019-7

Tot Ion:114 Resp: 310247  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 43.2  
88 17.4 0.0 33.2

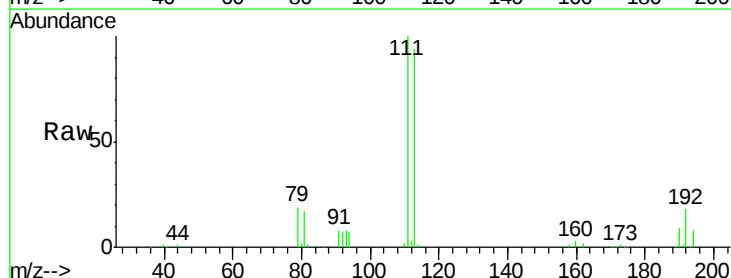


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

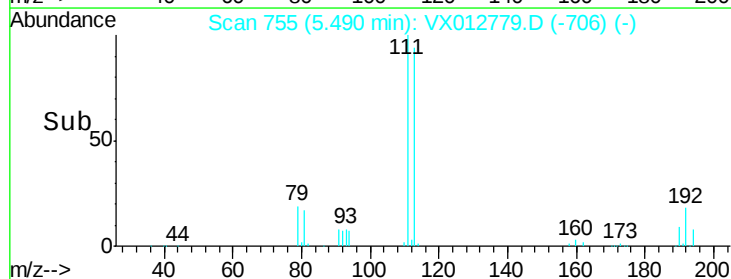
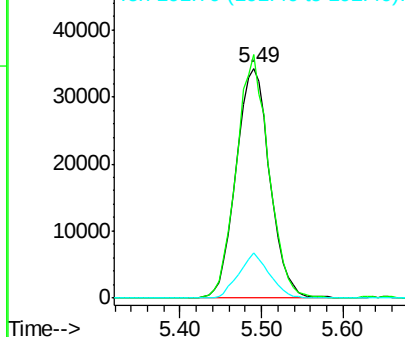


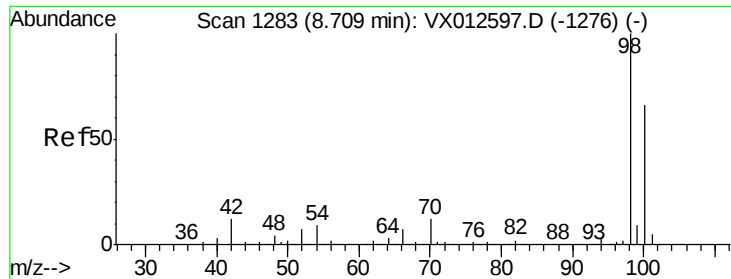
#35  
Dibromofluoromethane  
Concen: 53.188 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VX012779.D  
Acq: 03 Oct 2019 13:30

Tgt Ion:113 Resp: 98273  
Ion Ratio Lower Upper  
113 100  
111 101.7 83.4 125.2  
192 17.9 14.4 21.6



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: 52.458 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012779.D

Acq: 03 Oct 2019 13:30

Instrument :

MSVOA\_X

ClientSampleId :

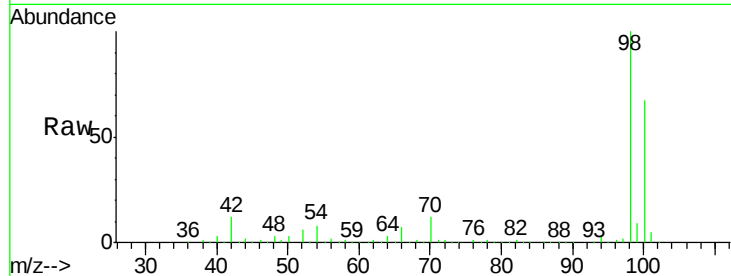
S49-TB-2019-7

Tot Ion: 98 Resp: 373264

Ion Ratio Lower Upper

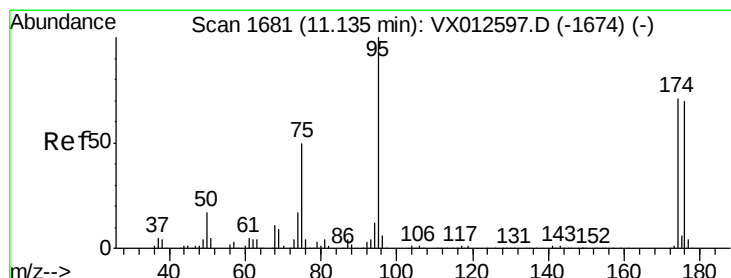
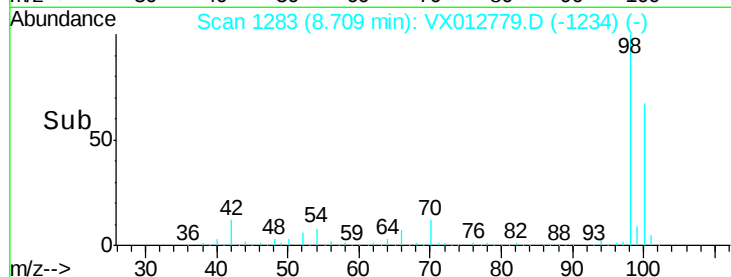
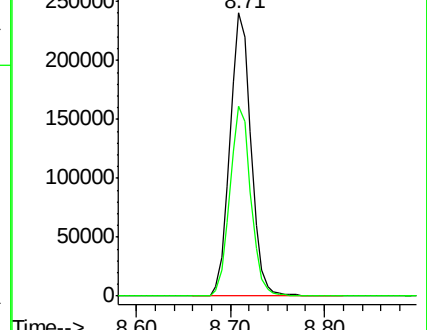
98 100

100 66.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.975 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012779.D

Acq: 03 Oct 2019 13:30

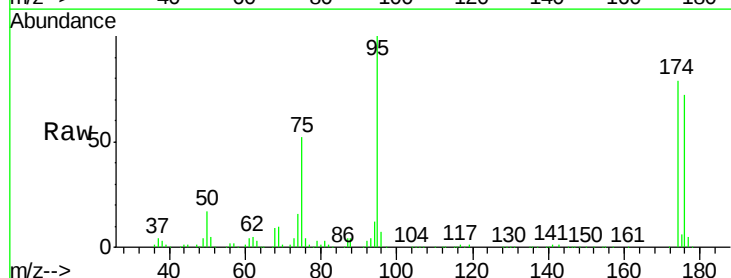
Tgt Ion: 95 Resp: 123033

Ion Ratio Lower Upper

95 100

174 72.0 0.0 140.0

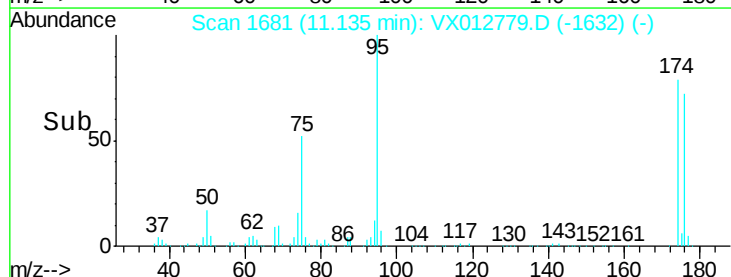
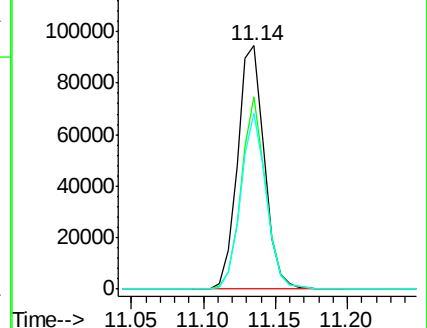
176 68.3 0.0 135.4

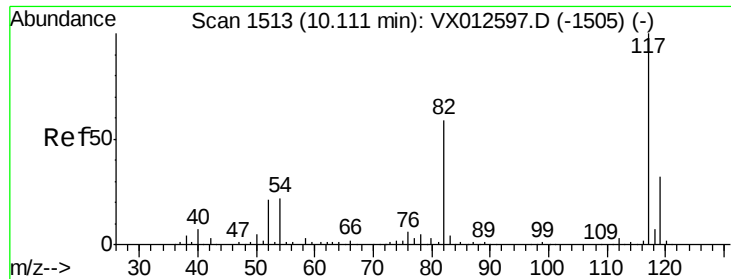


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

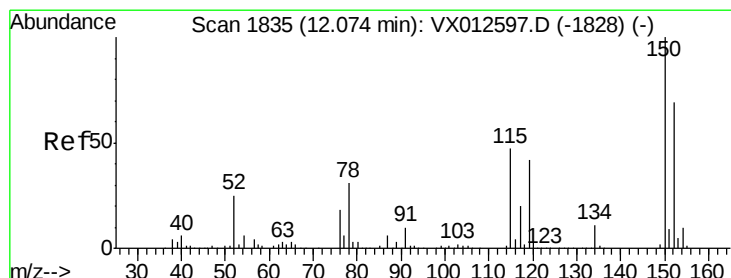
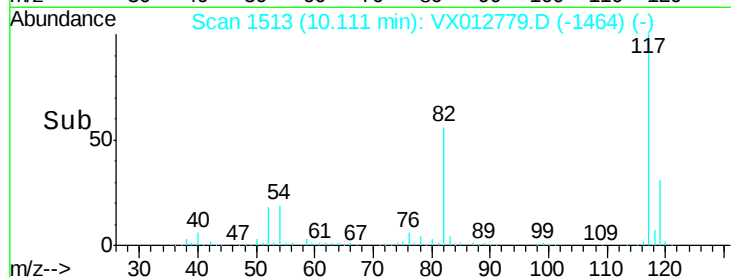
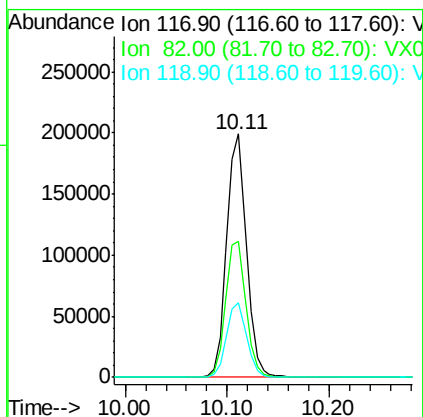
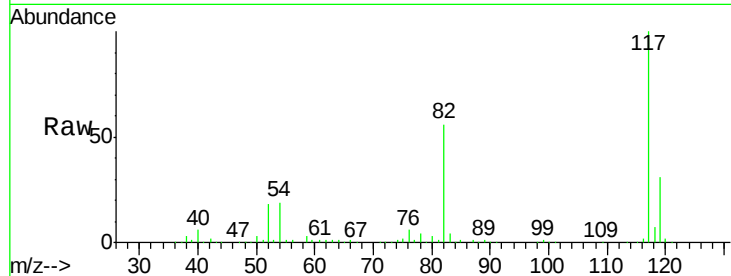




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012779.D  
Acq: 03 Oct 2019 13:30

Instrument :  
MSVOA\_X  
ClientSampled :  
S49-TB-2019-7

Tot Ion:117 Resp: 267748  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.9 68.9  
119 30.7 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX012779.D  
Acq: 03 Oct 2019 13:30

Tgt Ion:152 Resp: 98918  
Ion Ratio Lower Upper  
152 100  
115 62.7 44.1 132.3  
150 156.5 0.0 343.8

