

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\  
 Data File : VX012529.D  
 Acq On : 19 Sep 2019 15:34  
 Operator : JC/SP  
 Sample : K4883-09  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-20190911

Quant Time: Sep 20 05:42:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091719W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 17 15:27:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 188177   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 305080   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 257150   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 107269   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 127289   | 47.20 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.40%  |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 88480    | 47.92 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.84%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 349140   | 51.08 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.16% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 128511   | 45.28 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.56%  |      |

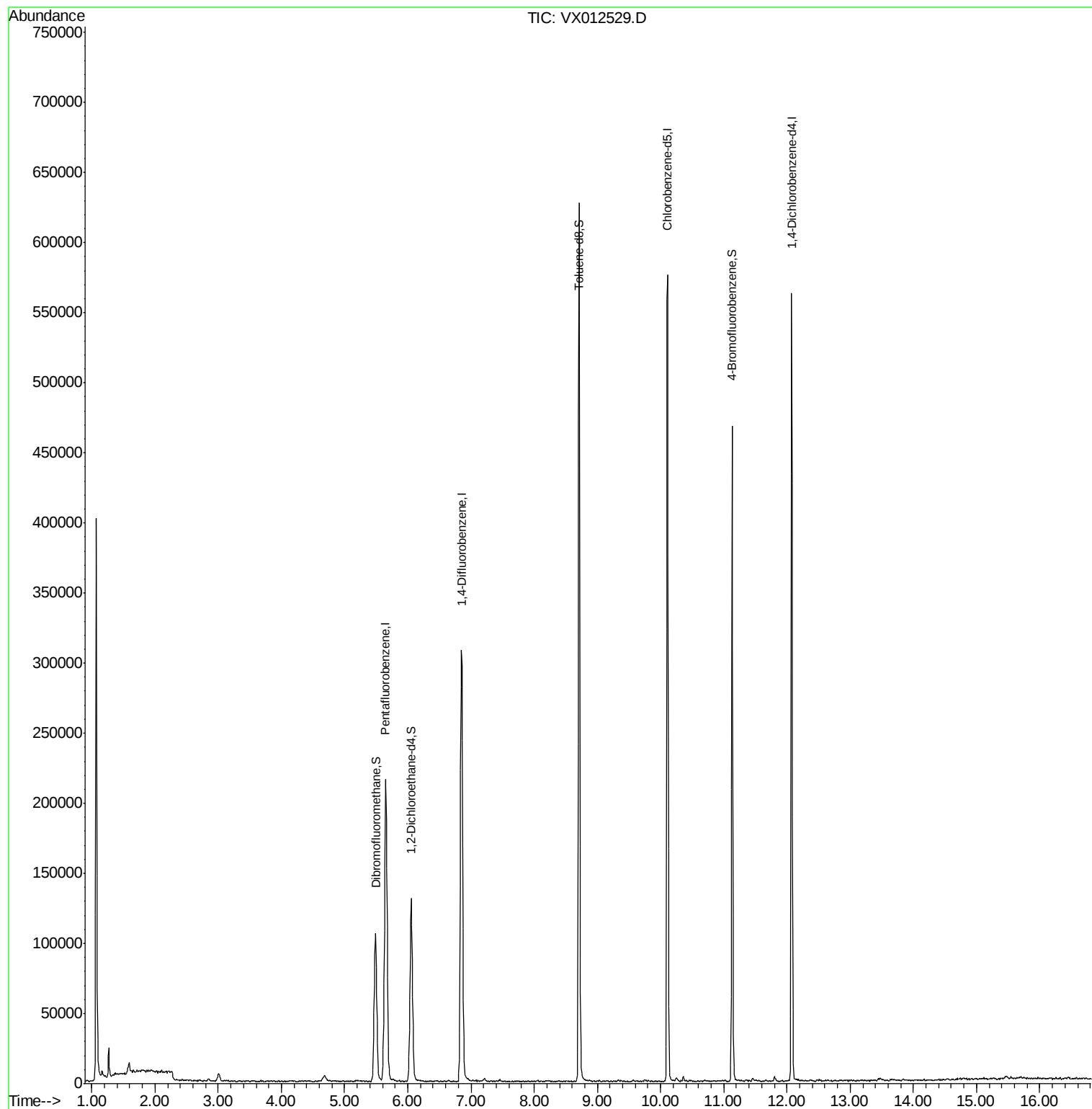
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

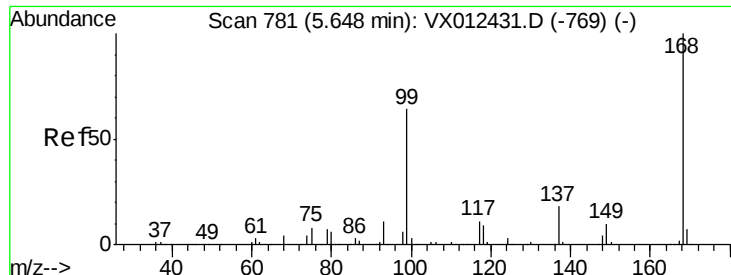
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 17 15:27:10 2019  
Response via : Initial Calibration

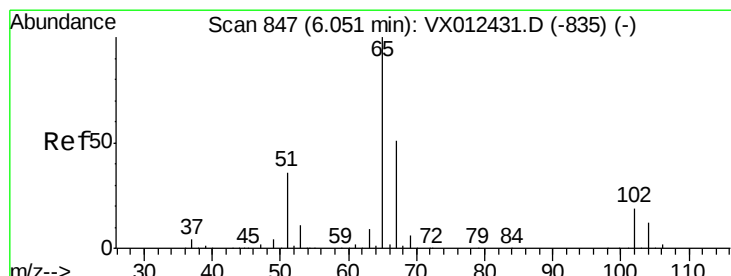
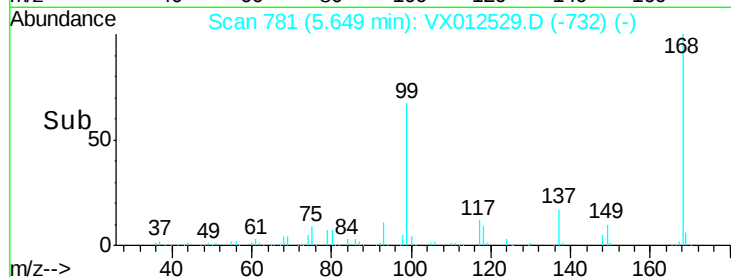
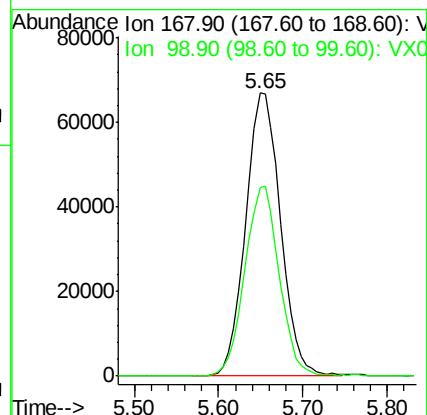
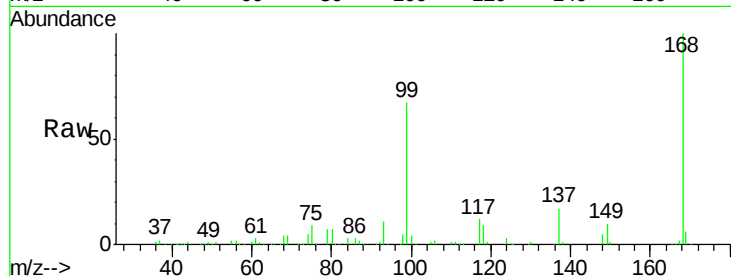




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.65 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: VX012529.D  
Acq: 19 Sep 2019 15:34

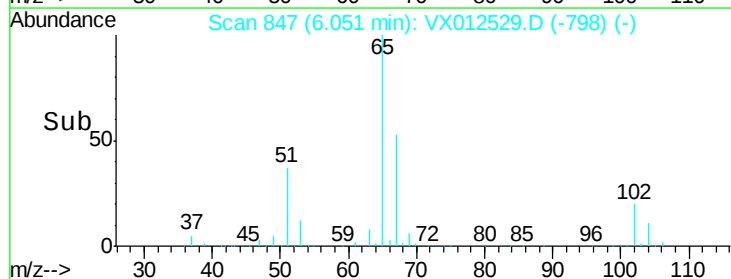
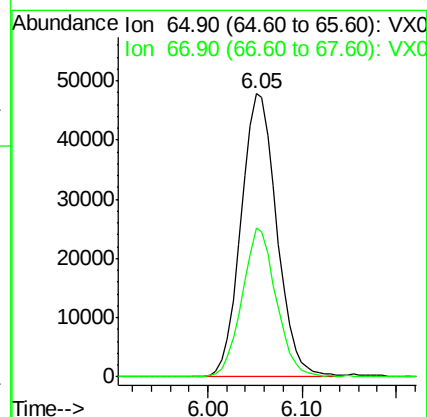
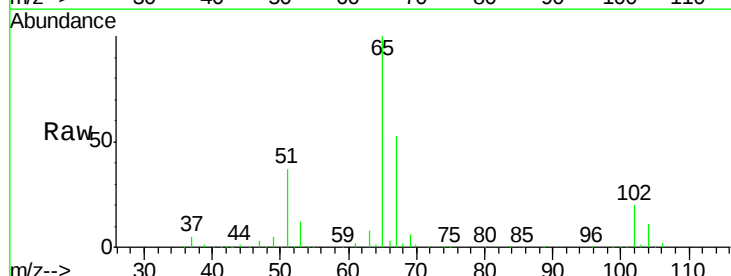
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-20190911

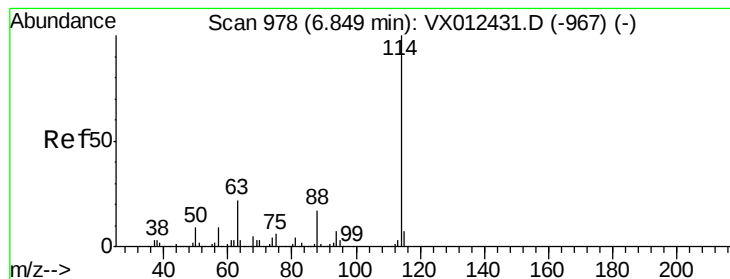
Tot Ion:168 Resp: 188177  
Ion Ratio Lower Upper  
168 100  
99 66.7 51.4 77.2



#33  
1,2-Dichloroethane-d4  
Concen: 47.197 ug/l  
RT: 6.05 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: VX012529.D  
Acq: 19 Sep 2019 15:34

Tgt Ion: 65 Resp: 127289  
Ion Ratio Lower Upper  
65 100  
67 50.2 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: VX012529.D

Acq: 19 Sep 2019 15:34

Instrument :

MSVOA\_X

ClientSampleId :

TB-20190911

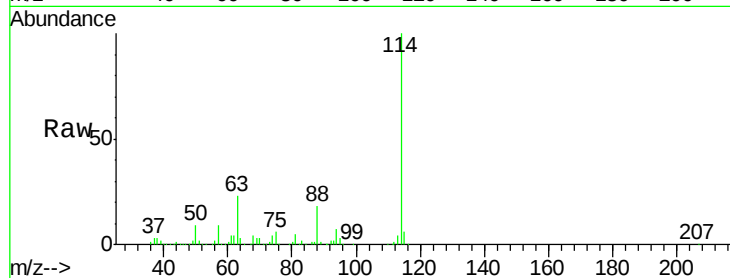
Tot Ion:114 Resp: 305080

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.2

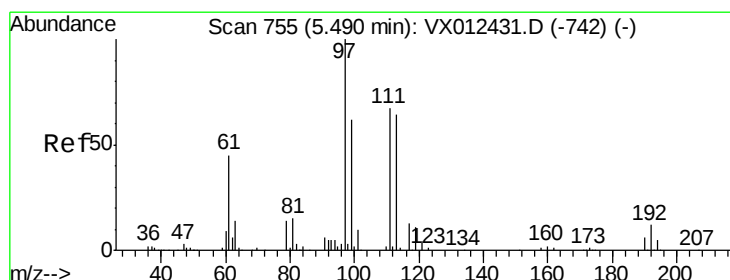
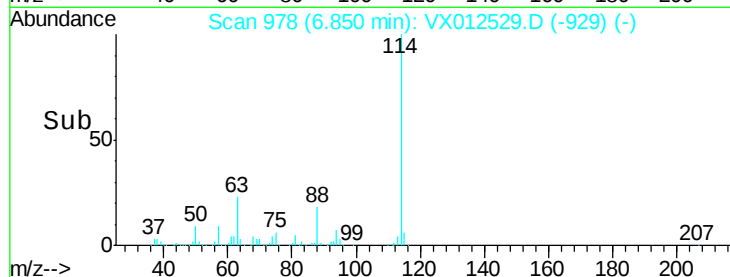
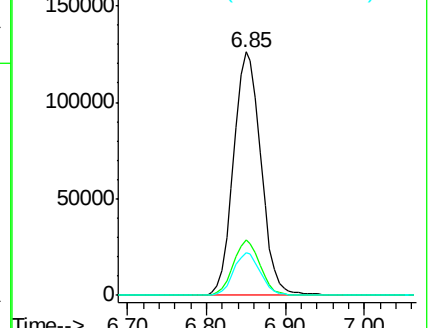
88 17.6 0.0 33.2



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: 47.917 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012529.D

Acq: 19 Sep 2019 15:34

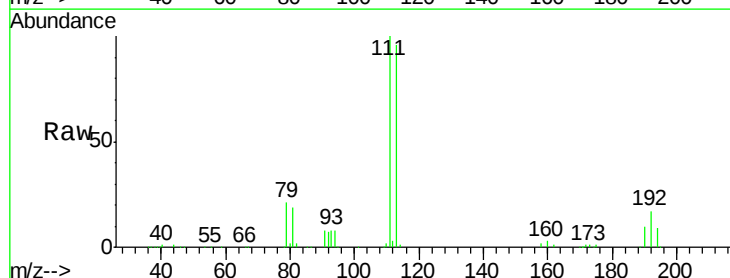
Tgt Ion:113 Resp: 88480

Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.2

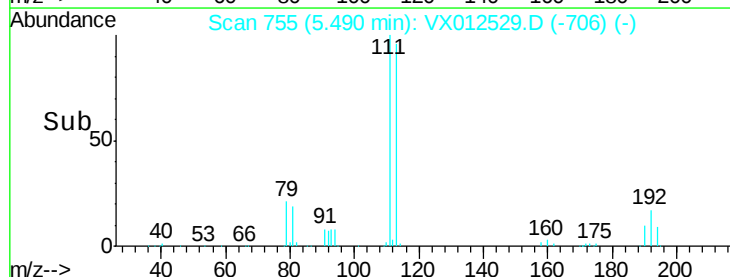
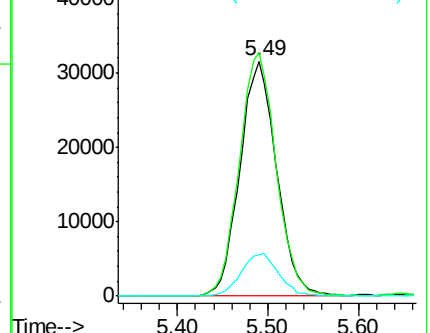
192 18.6 14.4 21.6

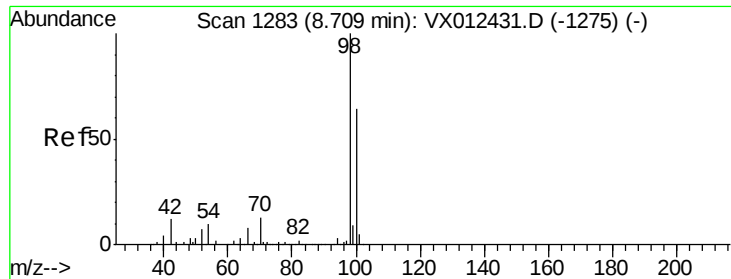


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

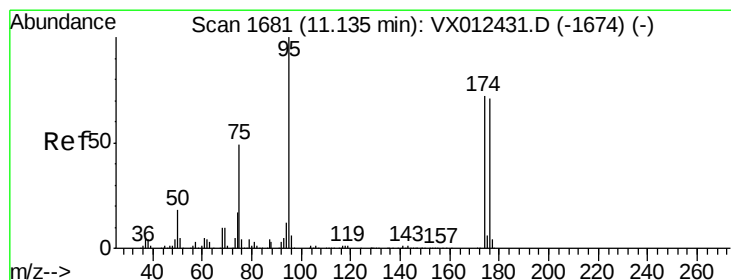
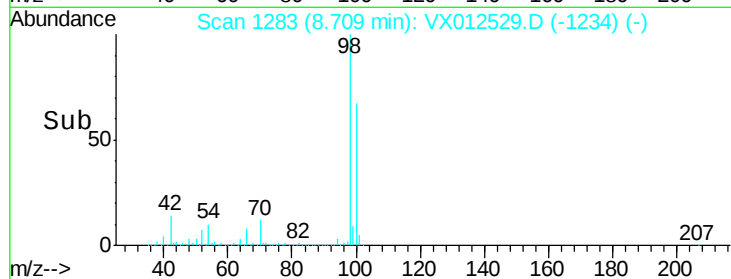
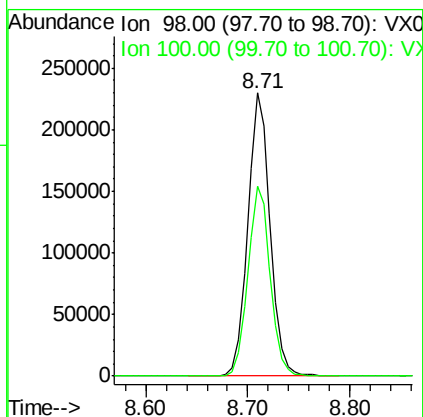
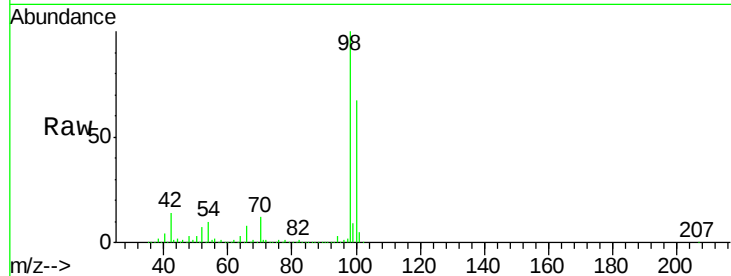




#50  
Toluene-d8  
Concen: 51.083 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012529.D  
Acq: 19 Sep 2019 15:34

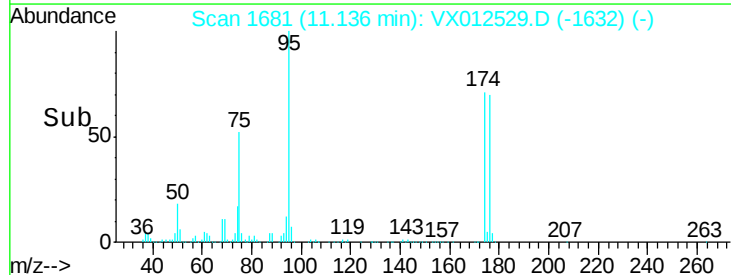
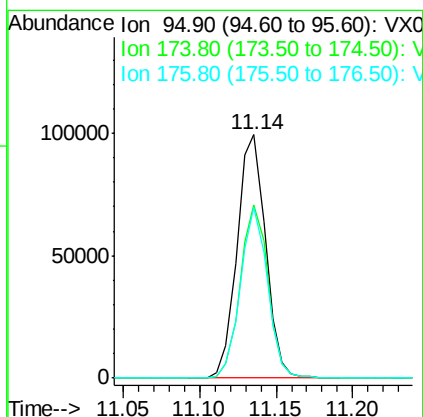
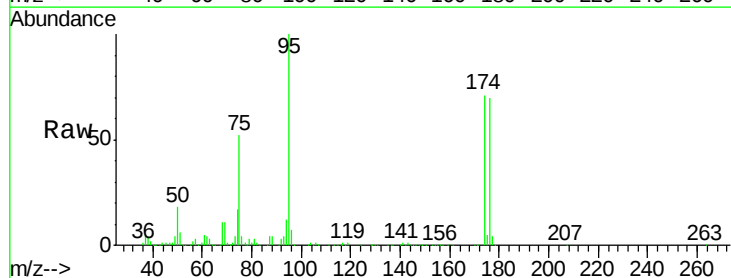
Instrument :  
MSVOA\_X  
ClientSampled :  
TB-20190911

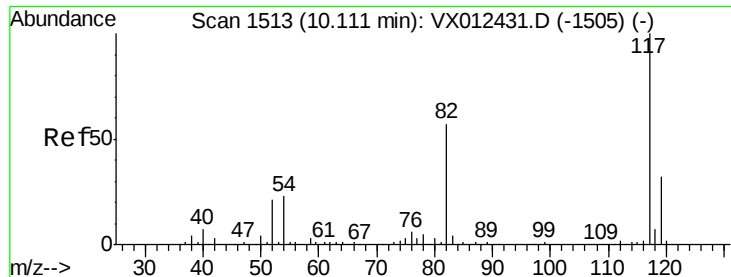
Tot Ion: 98 Resp: 349140  
Ion Ratio Lower Upper  
98 100  
100 67.3 53.4 80.2



#62  
4-Bromofluorobenzene  
Concen: 45.284 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX012529.D  
Acq: 19 Sep 2019 15:34

Tgt Ion: 95 Resp: 128511  
Ion Ratio Lower Upper  
95 100  
174 69.6 0.0 140.0  
176 67.1 0.0 135.4

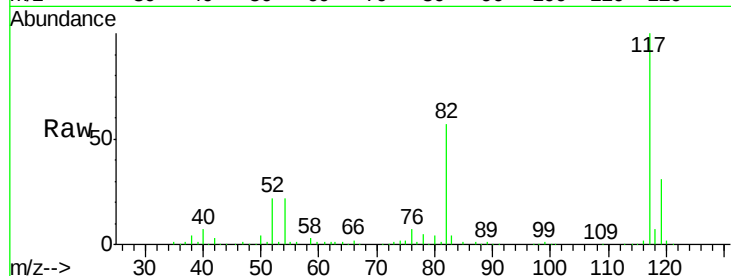




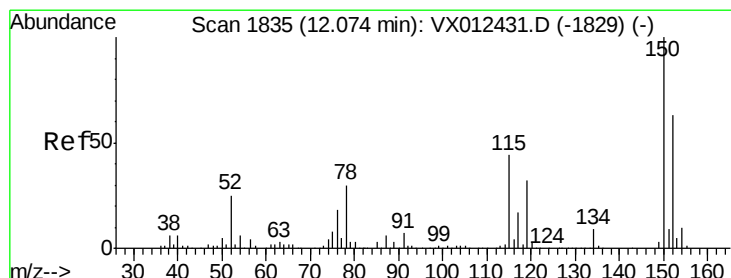
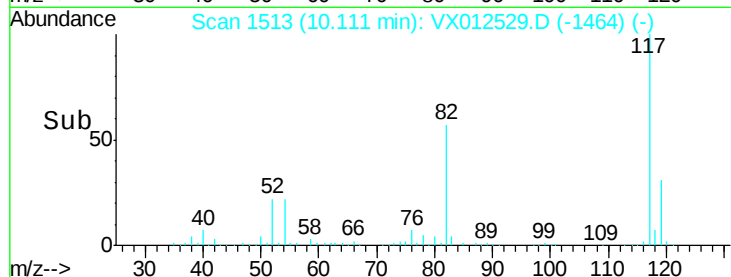
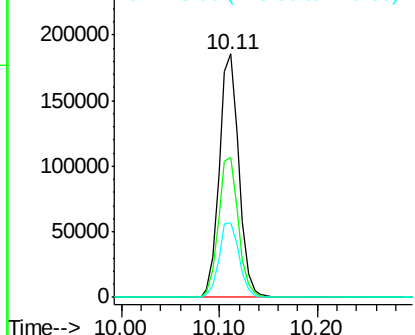
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012529.D  
Acq: 19 Sep 2019 15:34

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-20190911

Tot Ion:117 Resp: 257150  
Ion Ratio Lower Upper  
117 100  
82 57.3 45.9 68.9  
119 30.9 25.3 37.9

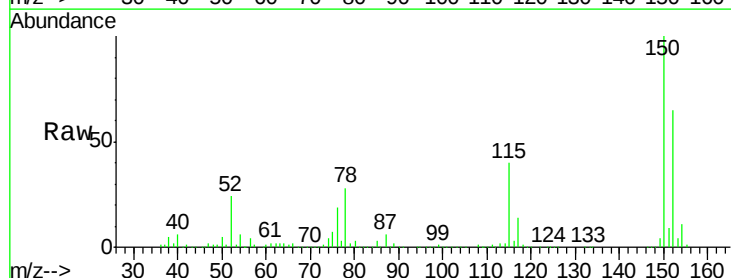


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX012529.D  
Acq: 19 Sep 2019 15:34

Tgt Ion:152 Resp: 107269  
Ion Ratio Lower Upper  
152 100  
115 62.9 44.1 132.3  
150 156.4 0.0 343.8



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

