

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\  
 Data File : VX013570.D  
 Acq On : 23 Nov 2019 06:19  
 Operator : JC/SP  
 Sample : K5968-10 50X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WEST-DITCH-IN-20191121

Quant Time: Nov 25 07:10:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 628090   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1033217  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 915530   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 413953   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 381908   | 51.32 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.64% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 311250   | 48.03 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.06%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 1243863  | 50.91 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.82% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 409538   | 46.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.90%  |      |

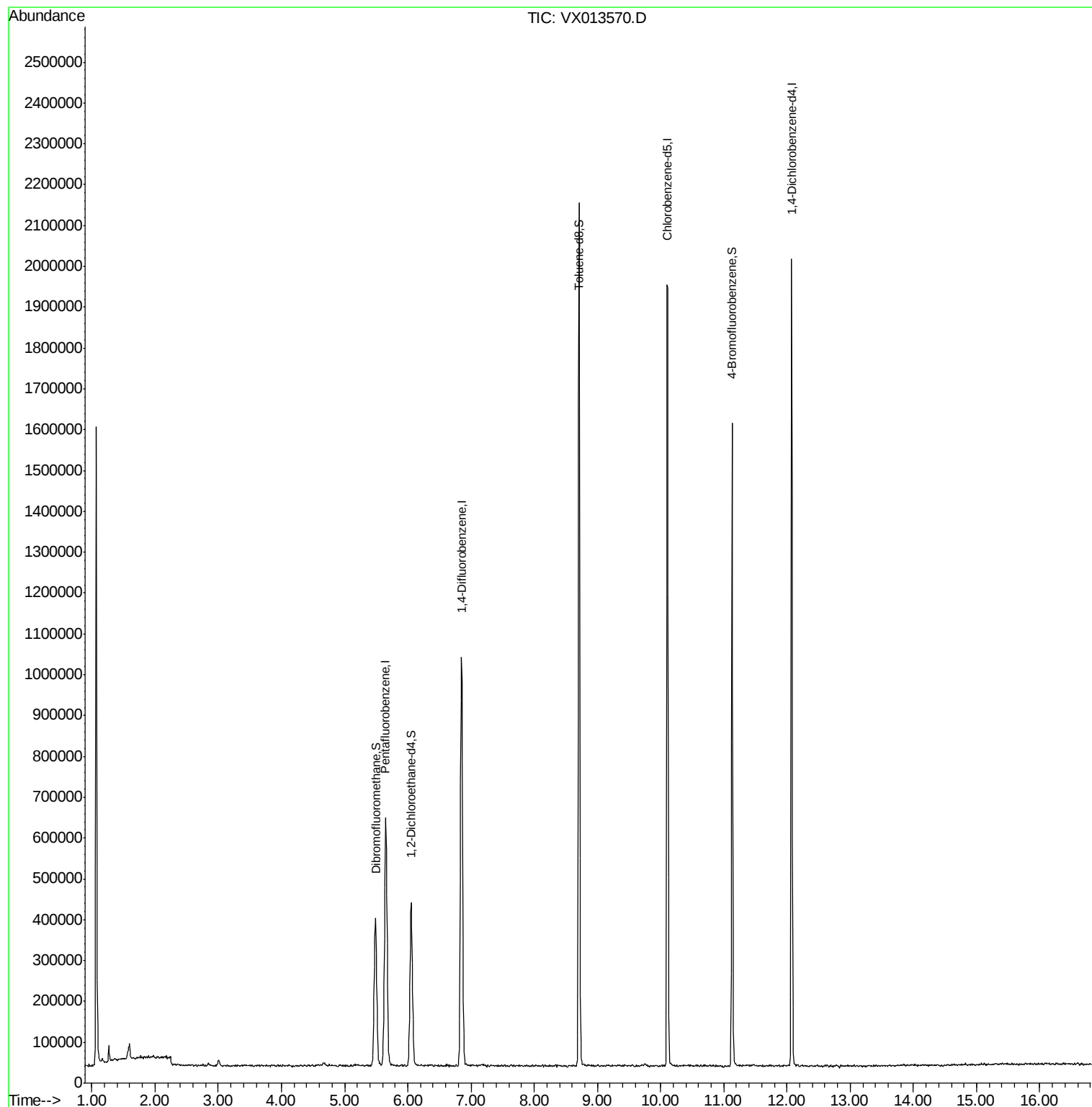
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

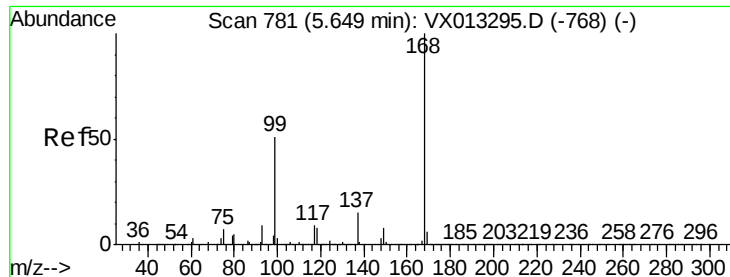
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Nov 02 07:06:38 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: VX013570.D

Acq: 23 Nov 2019 06:19

Instrument :

MSVOA\_X

ClientSampleId :

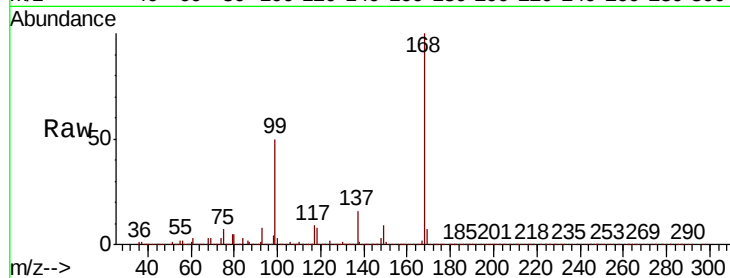
WEST-DITCH-IN-20191121

Tot Ion:168 Resp: 628090

Ion Ratio Lower Upper

168 100

99 50.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

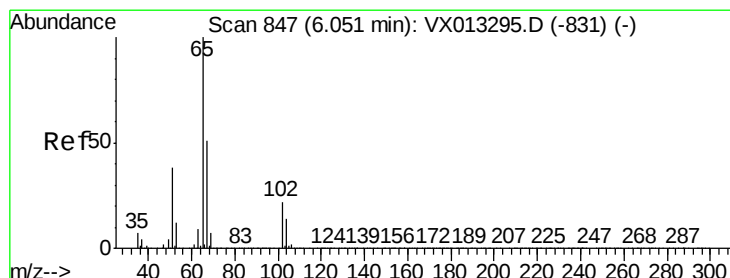
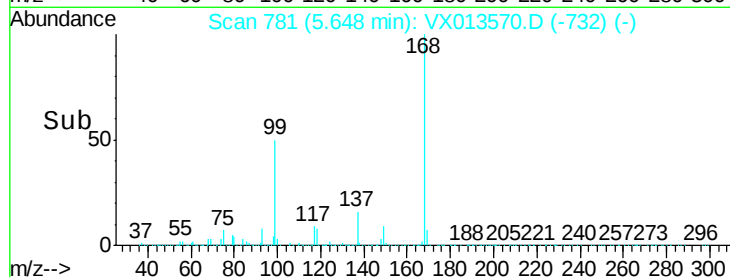
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.325 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013570.D

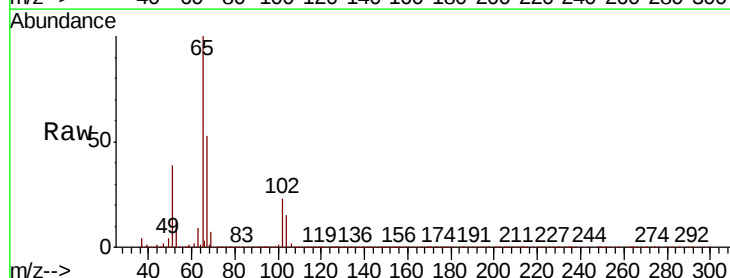
Acq: 23 Nov 2019 06:19

Tgt Ion: 65 Resp: 381908

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

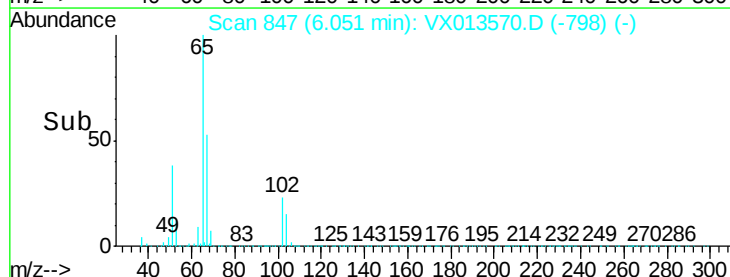
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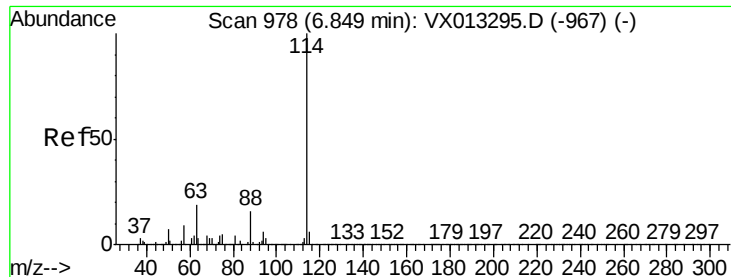
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50000

0

Time-->

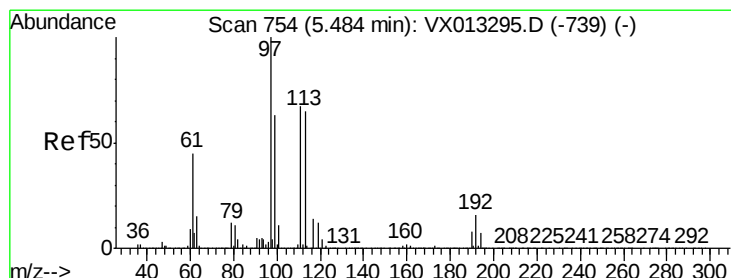
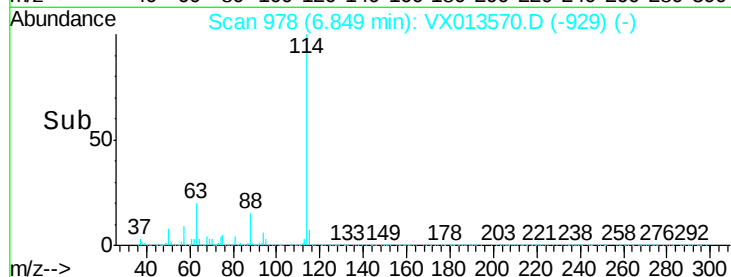
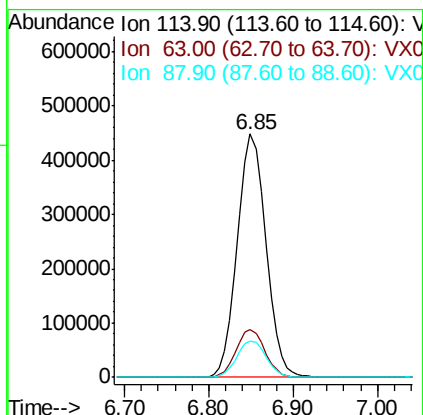
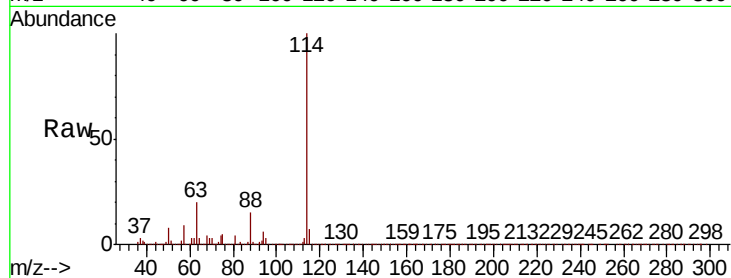




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.85 min Scan# 978  
Delta R.T. -0.00 min  
Lab File: VX013570.D  
Acq: 23 Nov 2019 06:19

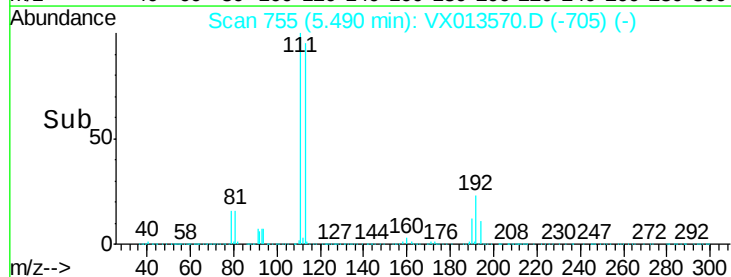
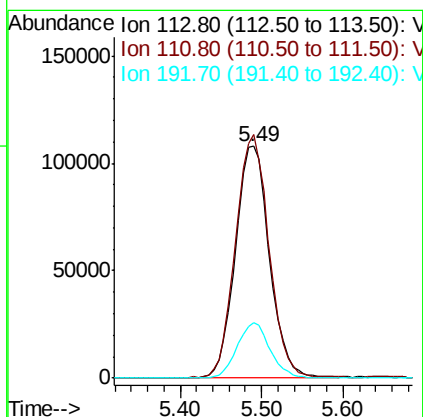
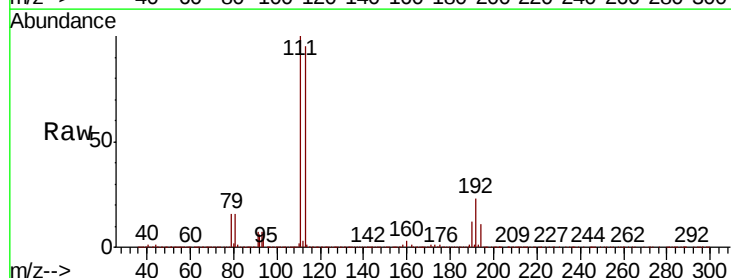
Instrument :  
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WEST-DITCH-IN-20191121

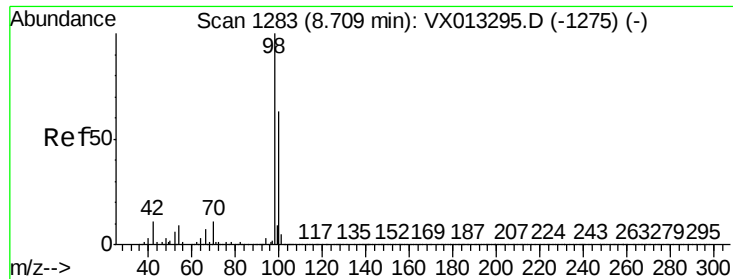
Tot Ion:114 Resp: 1033217  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 38.4  
88 15.1 0.0 32.2



#35  
Dibromofluoromethane  
Concen: 48.029 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.01 min  
Lab File: VX013570.D  
Acq: 23 Nov 2019 06:19

Tgt Ion:113 Resp: 311250  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.9 122.9  
192 23.2 19.1 28.7





#50

Toluene-d8

Concen: 50.914 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013570.D

Acq: 23 Nov 2019 06:19

Instrument :

MSVOA\_X

ClientSampleId :

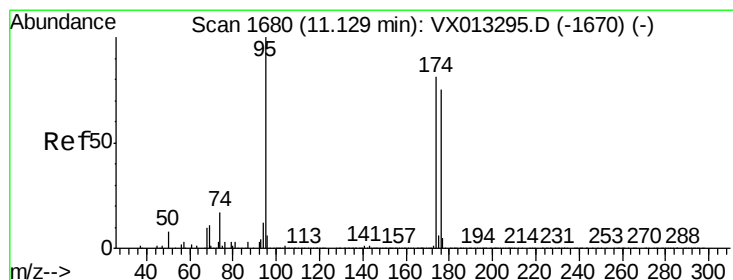
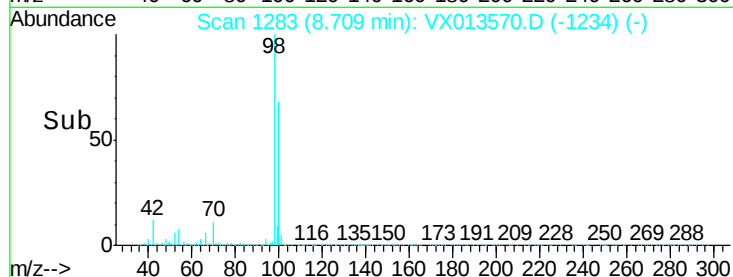
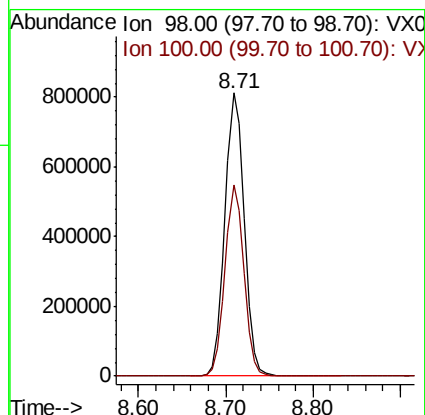
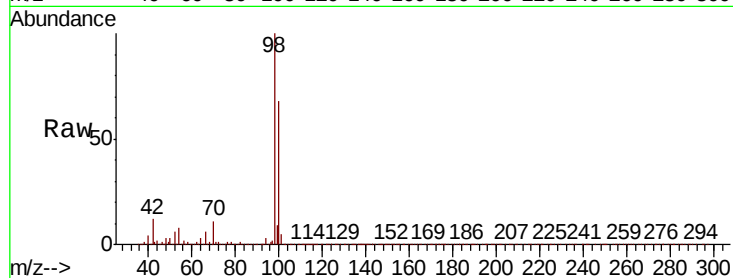
WEST-DITCH-IN-20191121

Tot Ion: 98 Resp: 1243863

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.448 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013570.D

Acq: 23 Nov 2019 06:19

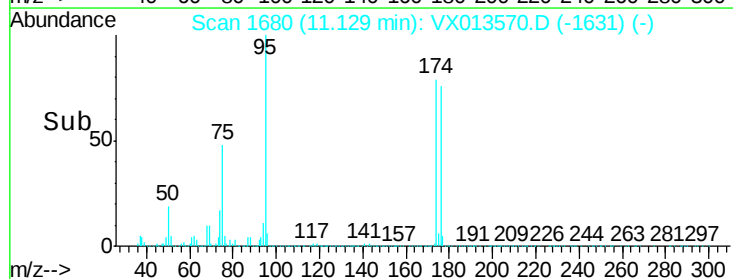
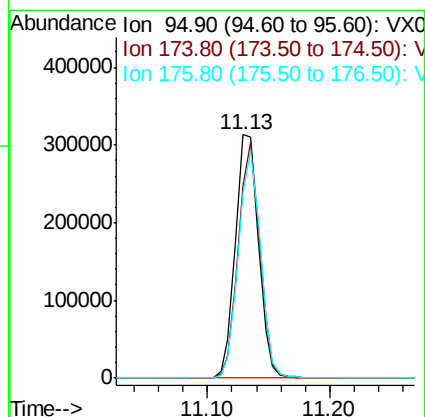
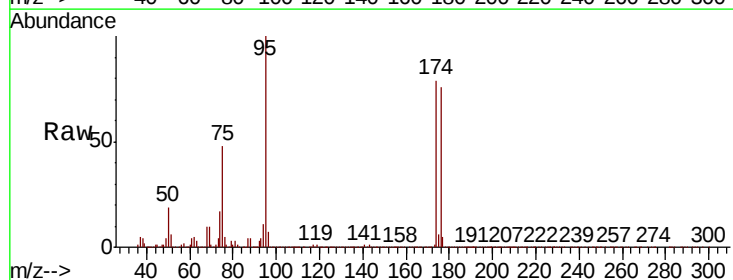
Tgt Ion: 95 Resp: 409538

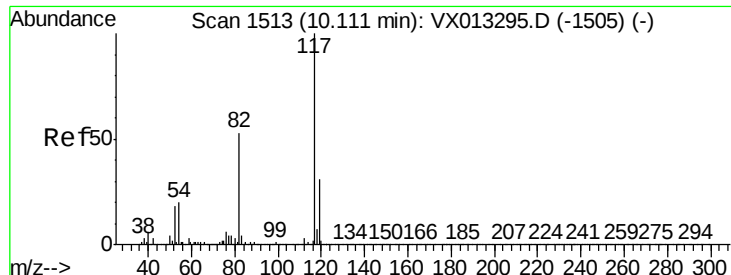
Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.8

176 88.7 0.0 173.0

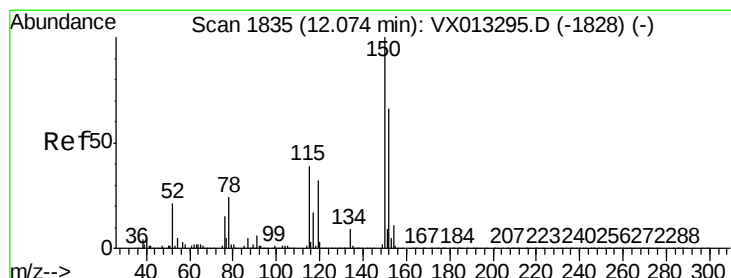
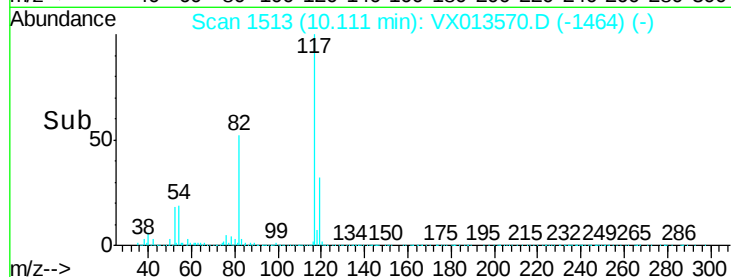
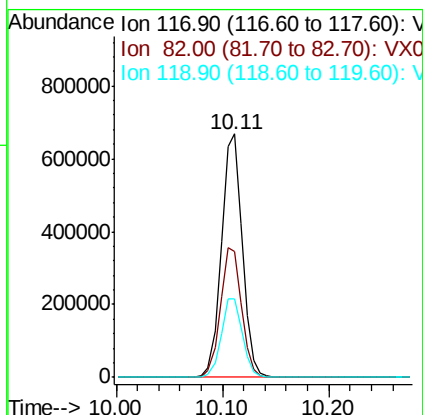
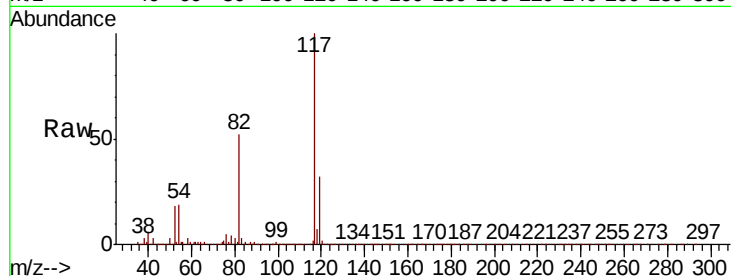




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013570.D  
Acq: 23 Nov 2019 06:19

Instrument :  
MSVOA\_X  
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WEST-DITCH-IN-20191121

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.8  | 42.6  | 64.0  |
| 119     | 32.4  | 24.8  | 37.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013570.D  
Acq: 23 Nov 2019 06:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.6  | 39.5  | 118.3 |
| 150     | 157.4 | 0.0   | 344.4 |

