

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031720\  
 Data File : VX015316.D  
 Acq On : 17 Mar 2020 11:52  
 Operator : JC/SP  
 Sample : L1919-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Mar 18 02:13:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 303132   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 491250   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 475504   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 237085   | 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   | 177581   | 49.38 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.76%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 151596   | 48.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.84%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 600182   | 50.91 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.82% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 219672   | 52.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.48% |          |

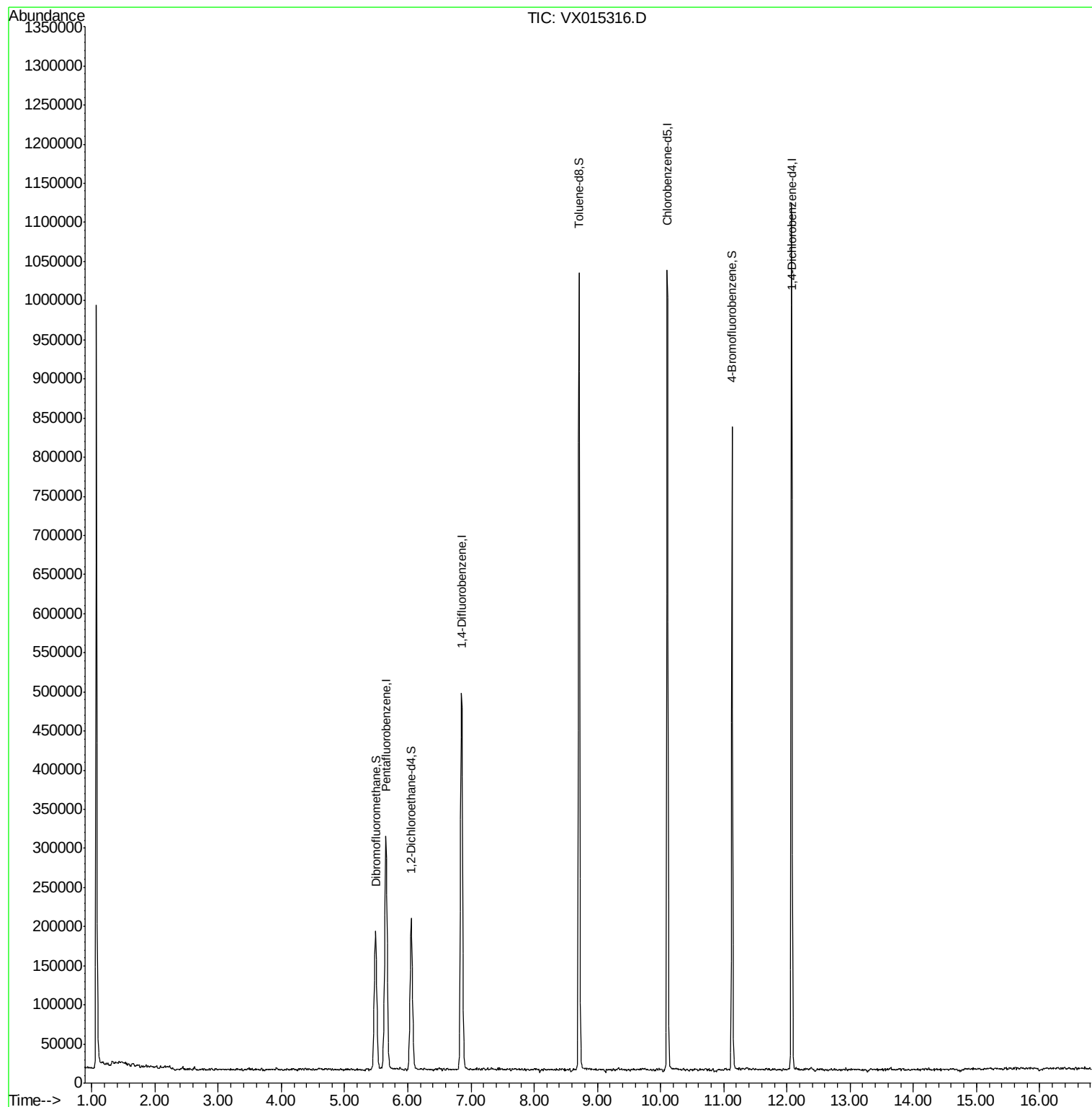
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

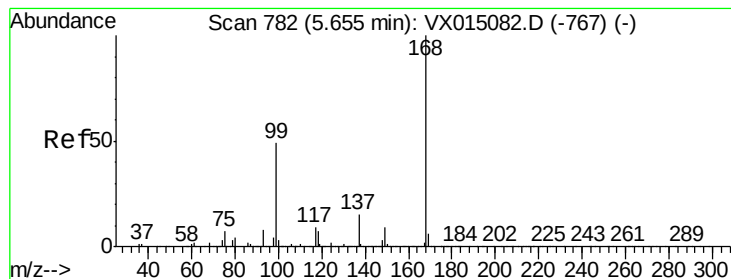
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 04 14:19:10 2020  
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: VX015316.D

Acq: 17 Mar 2020 11:52

Instrument :

MSVOA\_X

ClientSampleId :

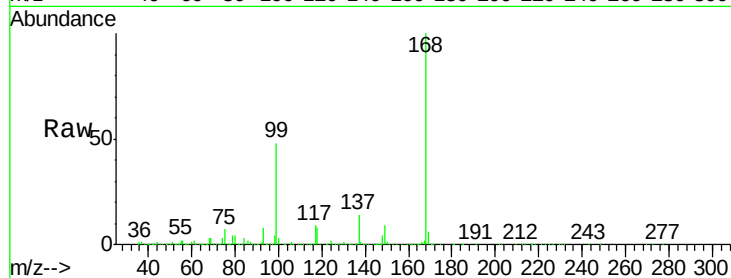
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 303132

Ion Ratio Lower Upper

168 100

99 48.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

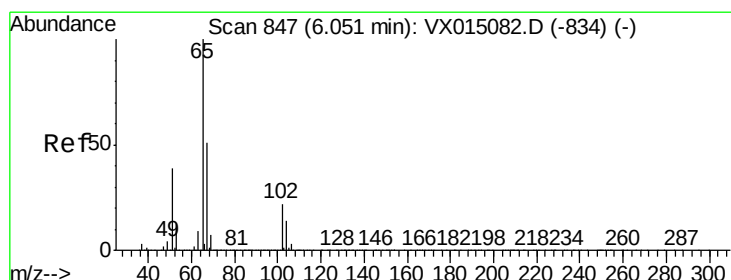
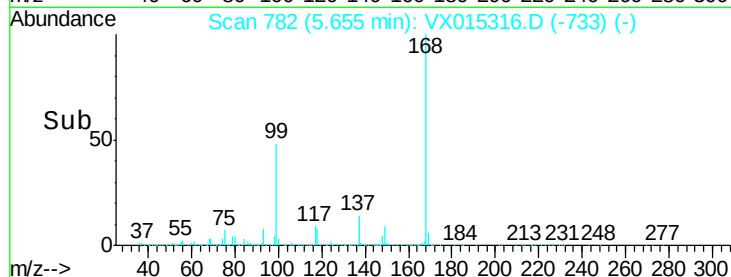
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 49.379 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015316.D

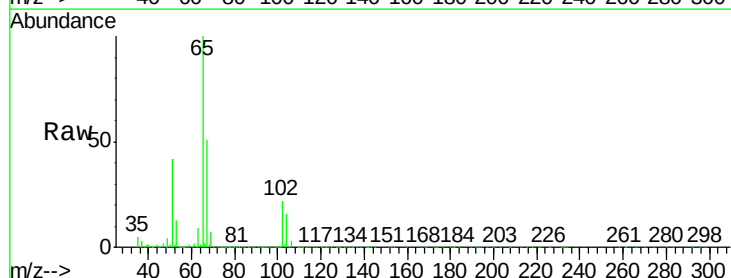
Acq: 17 Mar 2020 11:52

Tgt Ion: 65 Resp: 177581

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

80000

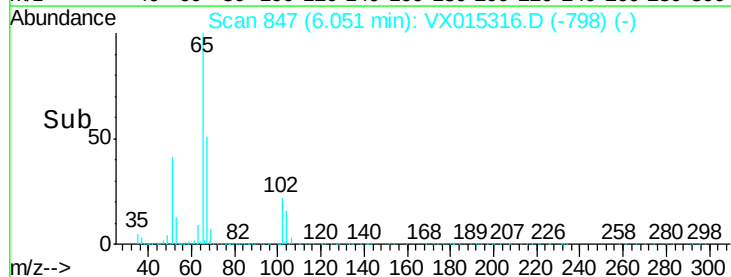
60000

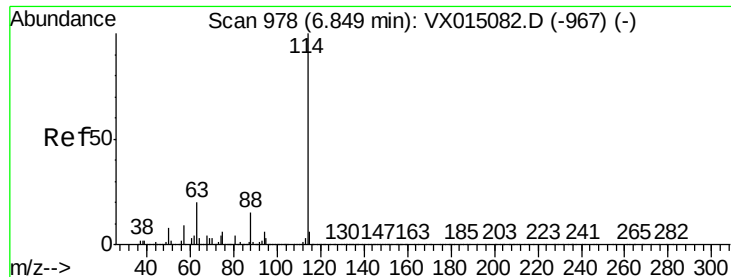
40000

20000

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: VX015316.D

Acq: 17 Mar 2020 11:52

Instrument :

MSVOA\_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

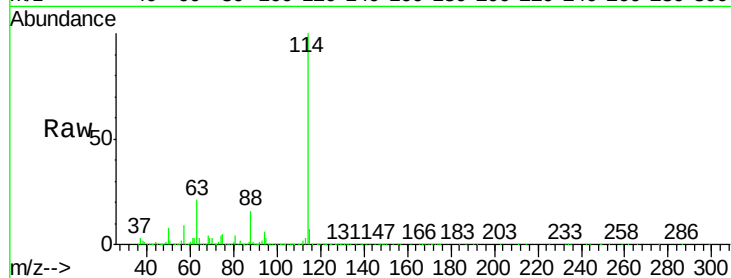
Tot Ion:114 Resp: 491250

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.0

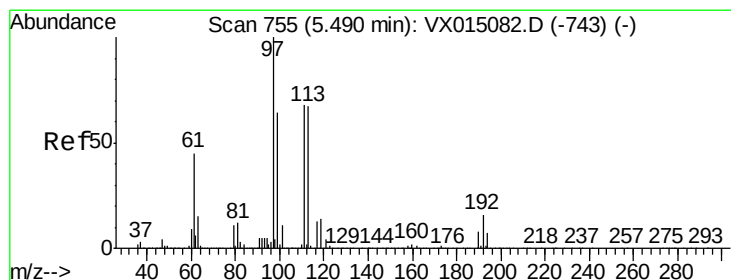
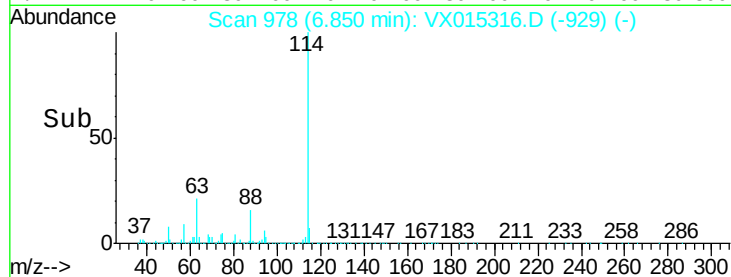
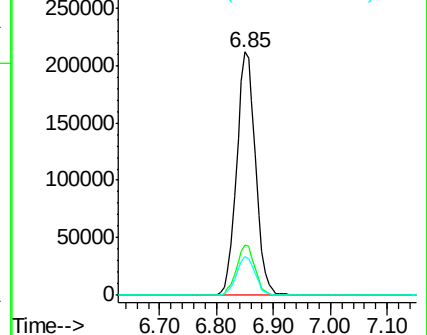
88 15.7 0.0 30.6



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: 48.915 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015316.D

Acq: 17 Mar 2020 11:52

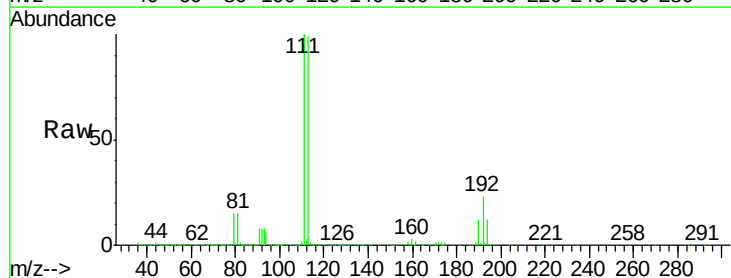
Tgt Ion:113 Resp: 151596

Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

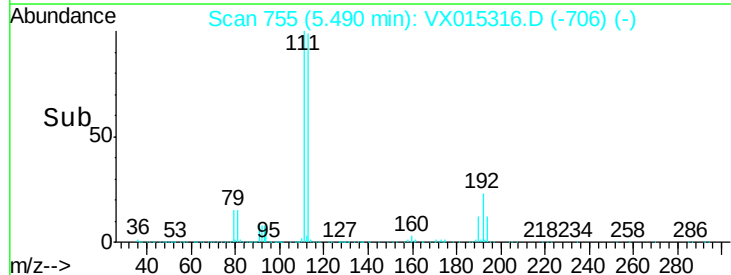
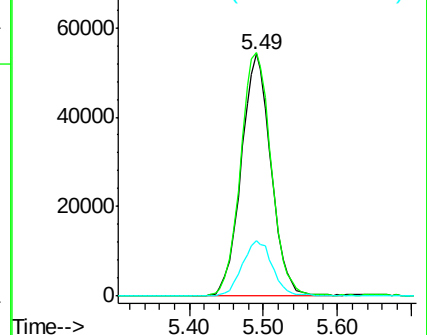
192 23.4 18.6 28.0

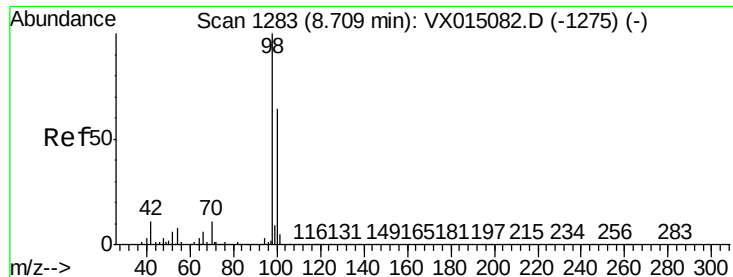


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

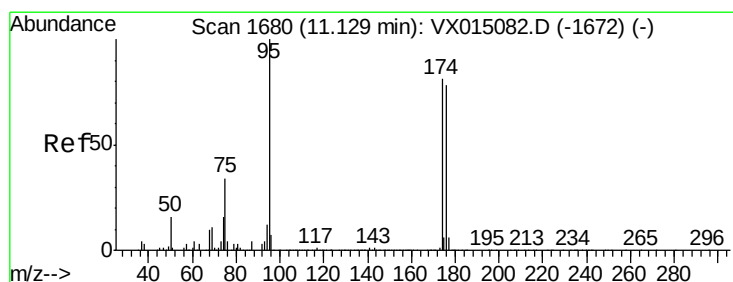
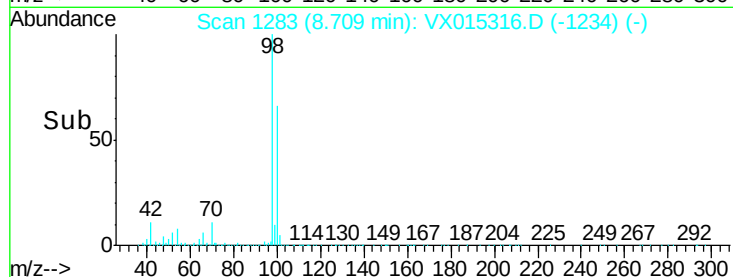
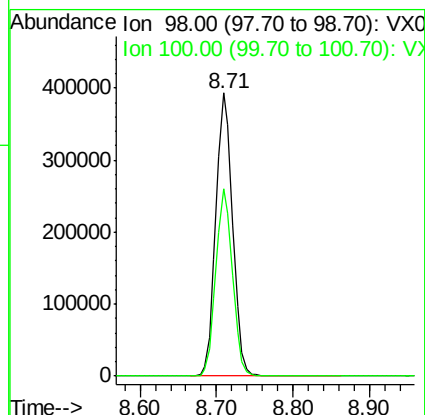
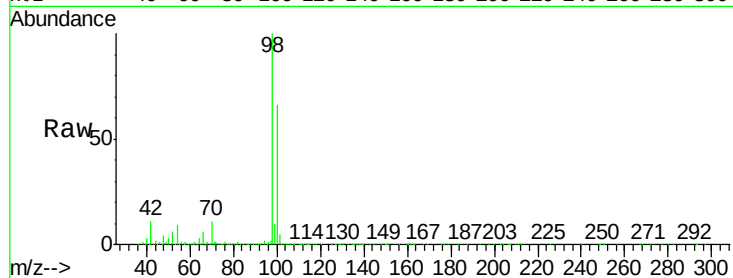




#50  
Toluene-d8  
Concen: 50.912 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX015316.D  
Acq: 17 Mar 2020 11:52

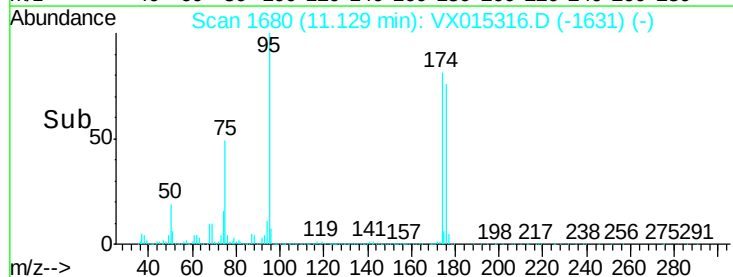
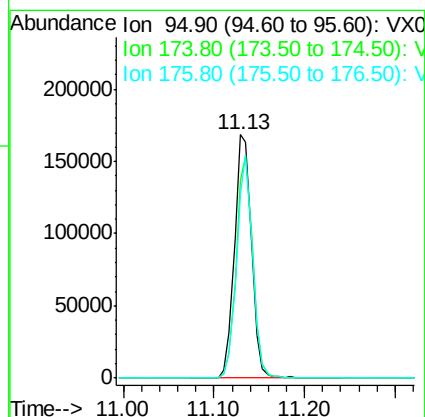
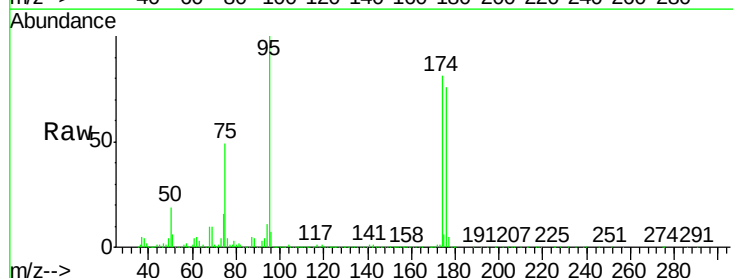
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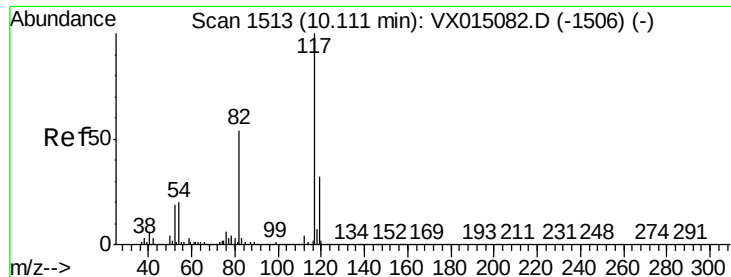
Tot Ion: 98 Resp: 600182  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 52.242 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VX015316.D  
Acq: 17 Mar 2020 11:52

Tgt Ion: 95 Resp: 219672  
Ion Ratio Lower Upper  
95 100  
174 88.0 0.0 177.6  
176 85.1 0.0 170.2

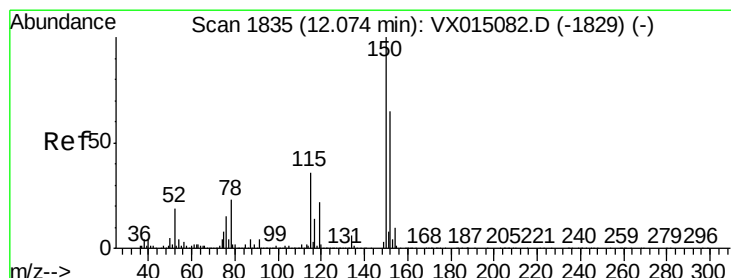
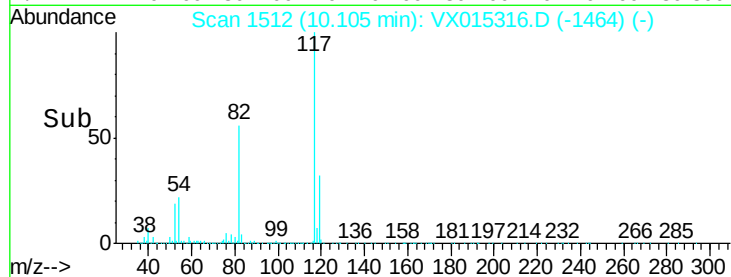
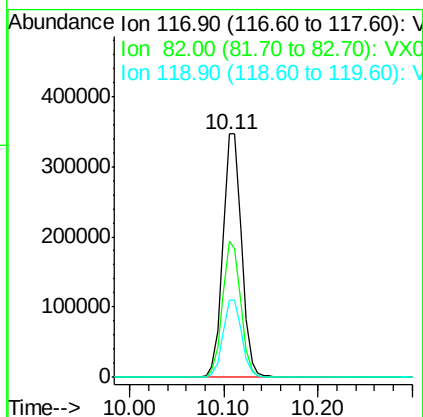
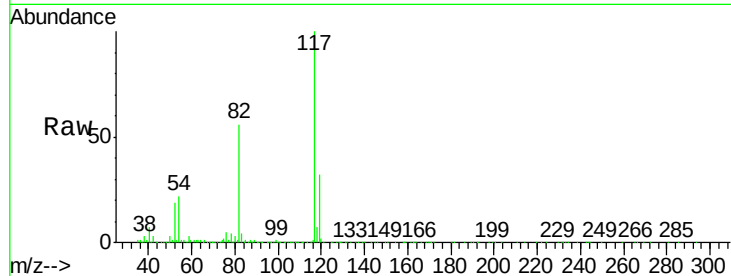




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX015316.D  
Acq: 17 Mar 2020 11:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 475504  
Ion Ratio Lower Upper  
117 100  
82 55.7 43.3 64.9  
119 31.7 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX015316.D  
Acq: 17 Mar 2020 11:52

Tgt Ion:152 Resp: 237085  
Ion Ratio Lower Upper  
152 100  
115 55.6 38.2 114.6  
150 158.2 0.0 343.8

