

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\  
 Data File : VX015379.D  
 Acq On : 27 Mar 2020 14:20  
 Operator : JC/SP  
 Sample : L2012-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GHD1-TB-032020

Quant Time: Mar 30 03:58:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 1163571  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1911049  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1796429  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 942081   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 765588   | 46.65 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.30%  |      |
| 35) Dibromofluoromethane    | 5.47   | 113 | 600201   | 49.13 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.26%  |      |
| 50) Toluene-d8              | 8.70   | 98  | 2301689  | 51.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.36% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 968253   | 52.97 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.94% |      |

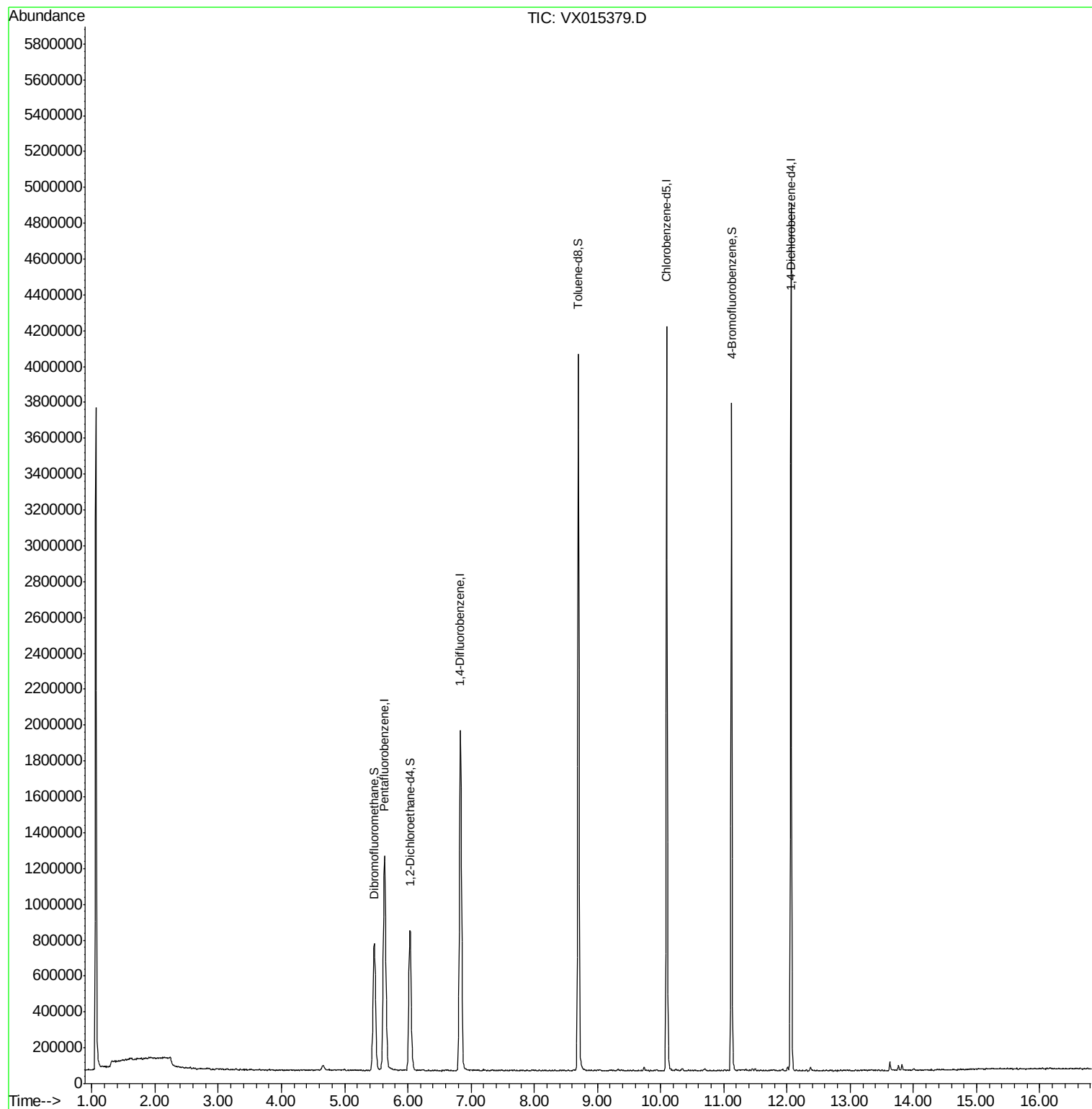
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

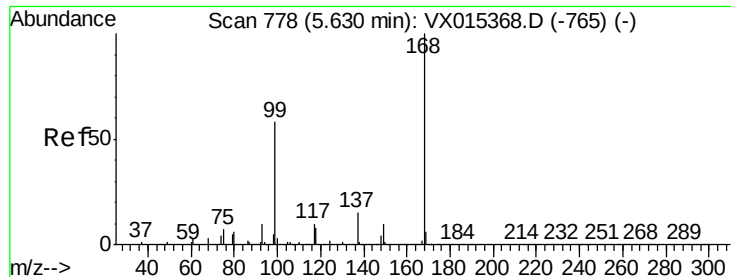
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Mar 27 09:35:51 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015379.D

Acq: 27 Mar 2020 14:20

Instrument :

MSVOA\_X

ClientSampleId :

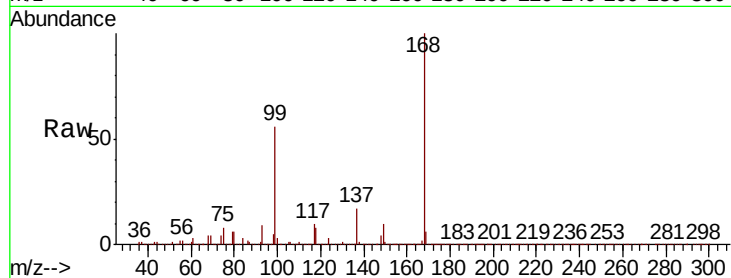
GHD1-TB-032020

Tot Ion:168 Resp: 1163571

Ion Ratio Lower Upper

168 100

99 56.1 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

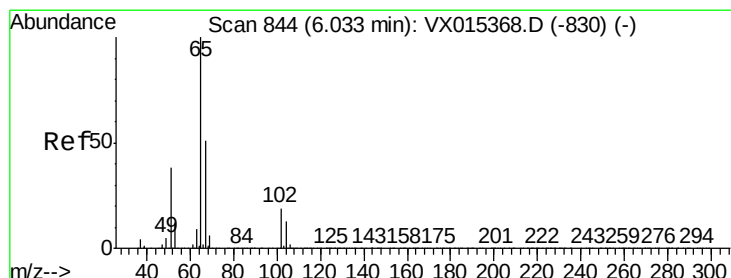
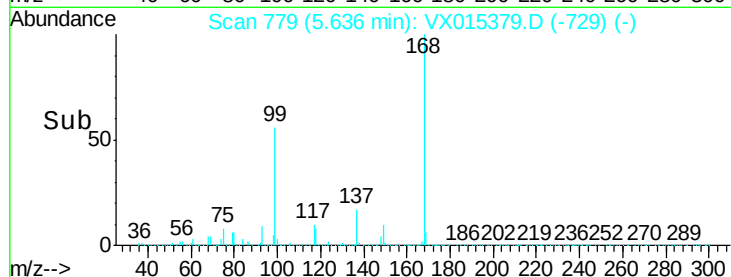
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.651 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015379.D

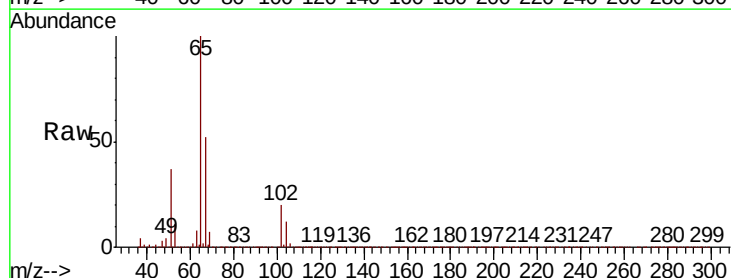
Acq: 27 Mar 2020 14:20

Tgt Ion: 65 Resp: 765588

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

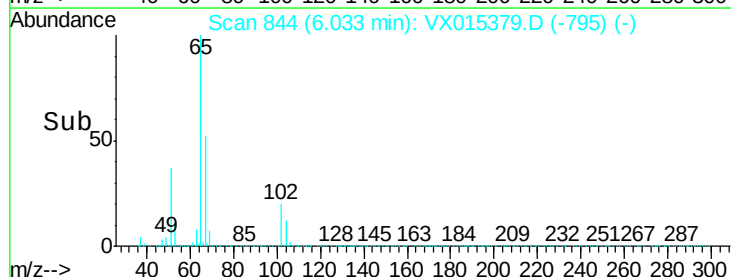
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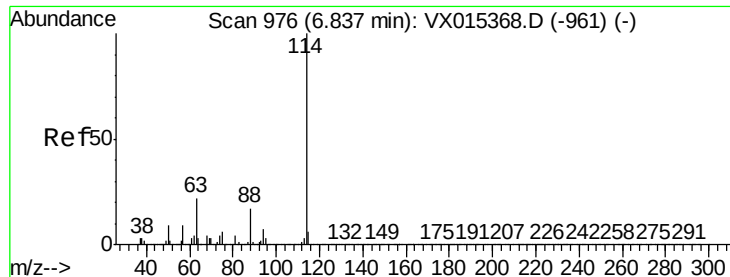
200000

100000

0

Time-->

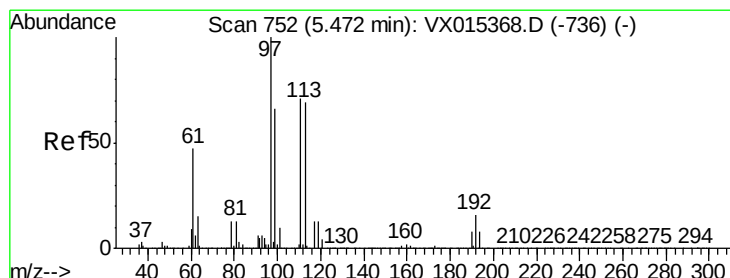
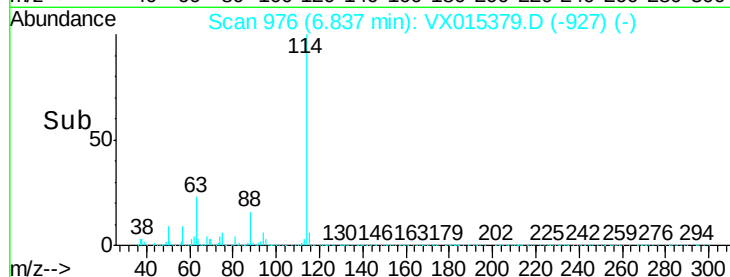
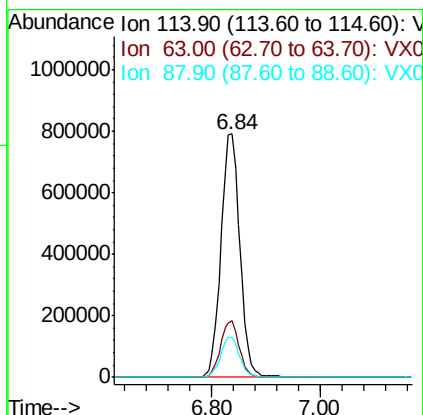
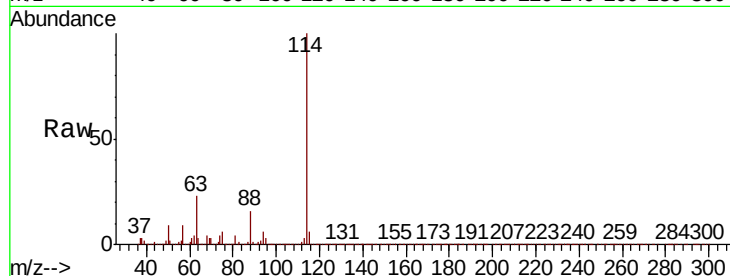




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.84 min Scan# 976  
Delta R.T. 0.00 min  
Lab File: VX015379.D  
Acq: 27 Mar 2020 14:20

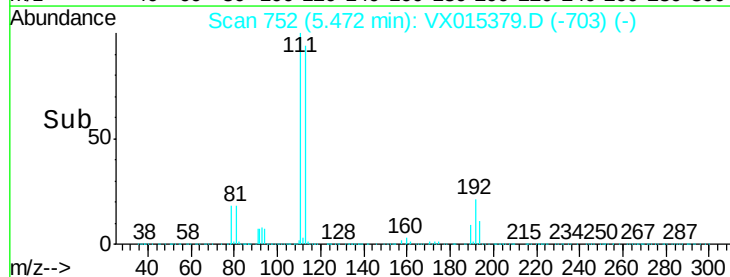
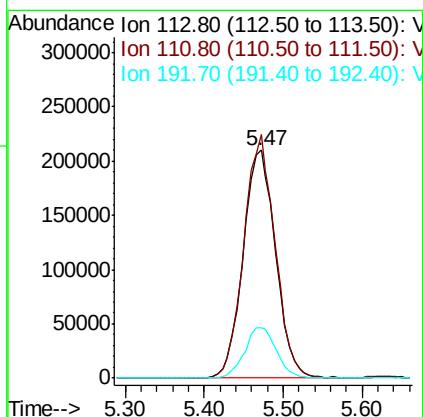
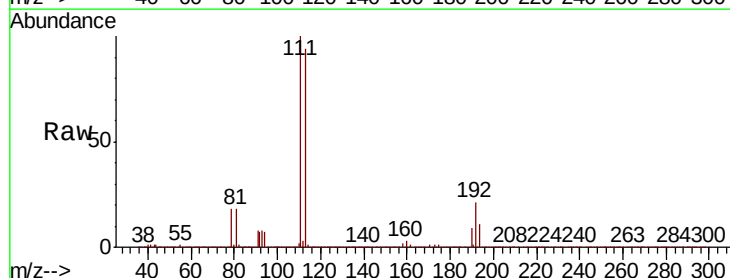
Instrument :  
MSVOA\_X  
ClientSampleId :  
GHD1-TB-032020

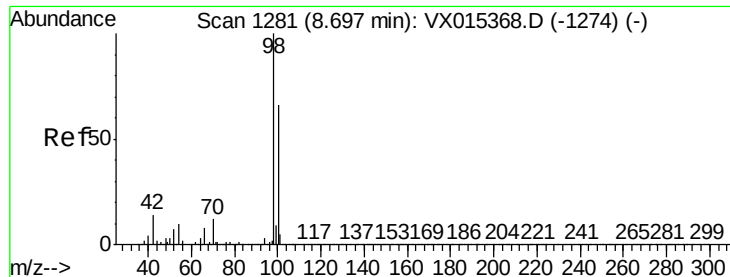
Tot Ion:114 Resp: 1911049  
Ion Ratio Lower Upper  
114 100  
63 23.1 0.0 44.2  
88 16.2 0.0 33.8



#35  
Dibromofluoromethane  
Concen: 49.133 ug/l  
RT: 5.47 min Scan# 752  
Delta R.T. 0.00 min  
Lab File: VX015379.D  
Acq: 27 Mar 2020 14:20

Tgt Ion:113 Resp: 600201  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.5 122.3  
192 21.9 17.8 26.6





#50

Toluene-d8

Concen: 51.176 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015379.D

Acq: 27 Mar 2020 14:20

Instrument :

MSVOA\_X

ClientSampleId :

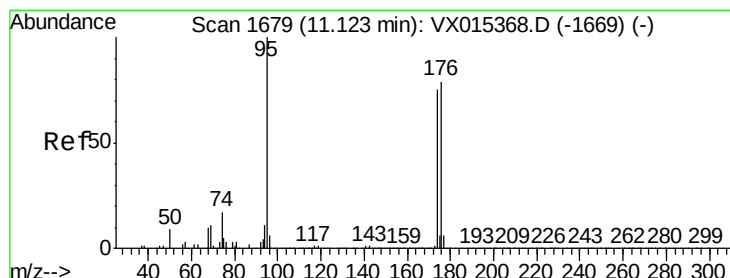
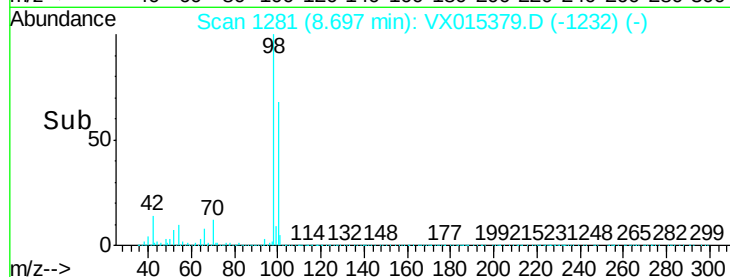
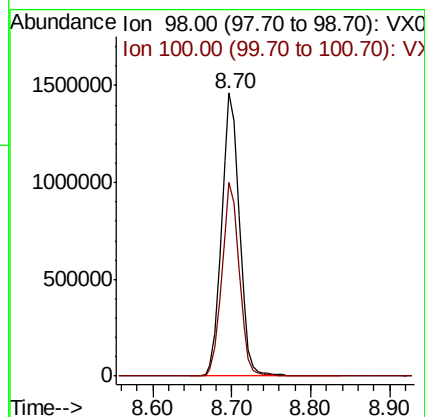
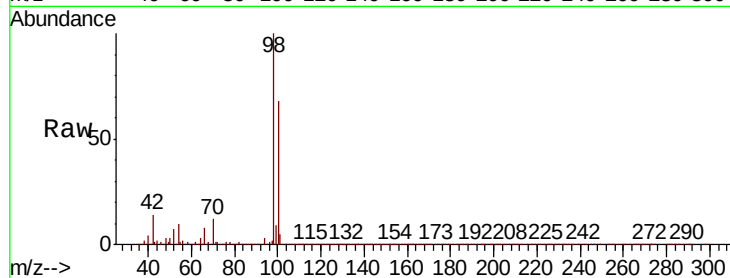
GHD1-TB-032020

Tot Ion: 98 Resp: 2301689

Ion Ratio Lower Upper

98 100

100 66.8 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 52.973 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015379.D

Acq: 27 Mar 2020 14:20

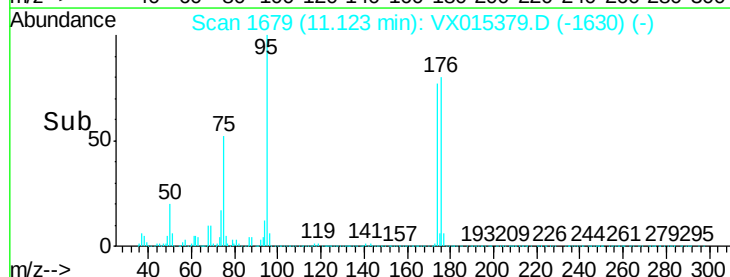
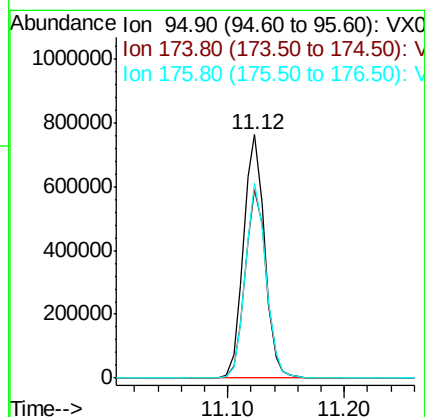
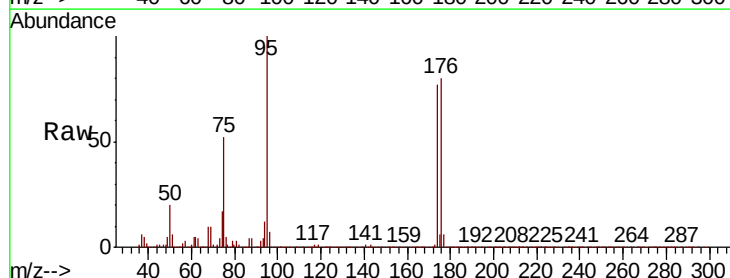
Tgt Ion: 95 Resp: 968253

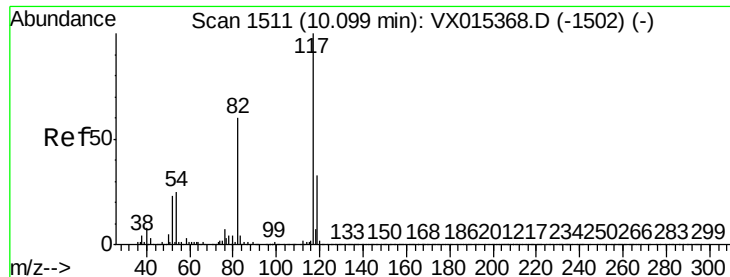
Ion Ratio Lower Upper

95 100

174 77.6 0.0 158.6

176 78.7 0.0 159.0

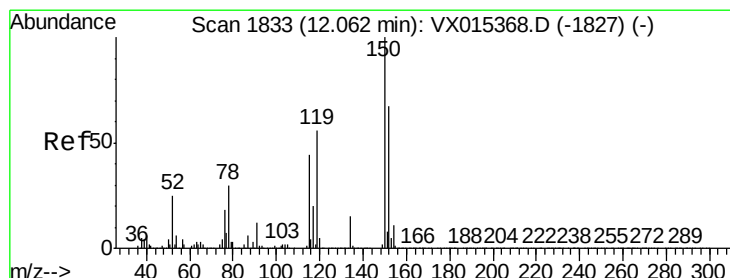
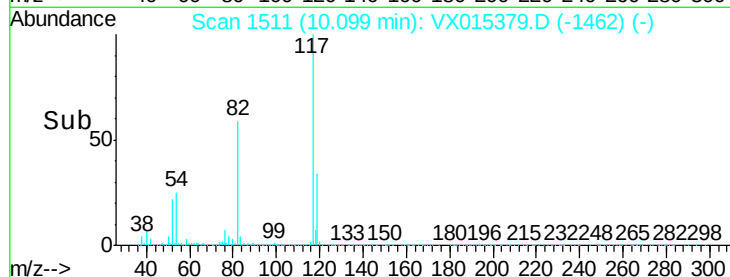
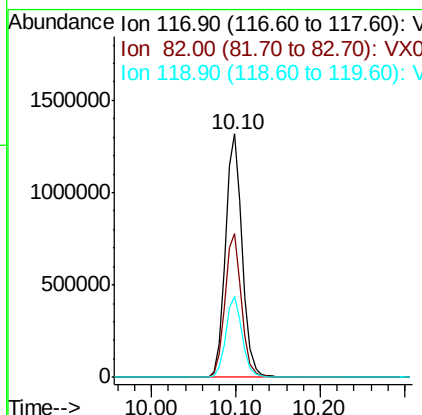
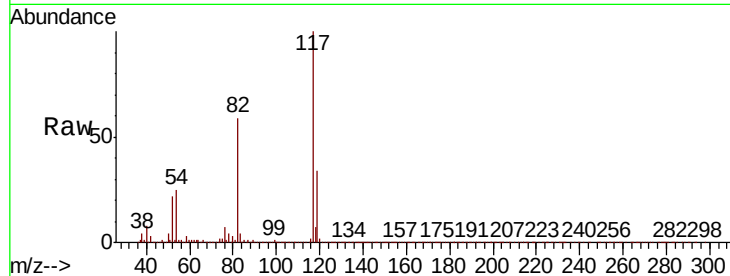




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1511  
Delta R.T. 0.00 min  
Lab File: VX015379.D  
Acq: 27 Mar 2020 14:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
GHD1-TB-032020

Tot Ion:117 Resp: 1796429  
Ion Ratio Lower Upper  
117 100  
82 58.8 47.8 71.8  
119 33.5 26.8 40.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1833  
Delta R.T. 0.00 min  
Lab File: VX015379.D  
Acq: 27 Mar 2020 14:20

Tgt Ion:152 Resp: 942081  
Ion Ratio Lower Upper  
152 100  
115 58.6 39.0 116.9  
150 156.6 0.0 340.8

