

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112519\  
 Data File : VX013586.D  
 Acq On : 25 Nov 2019 17:10  
 Operator : JC/SP  
 Sample : K5968-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MH-117T-20191121

Quant Time: Nov 26 06:37:57 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

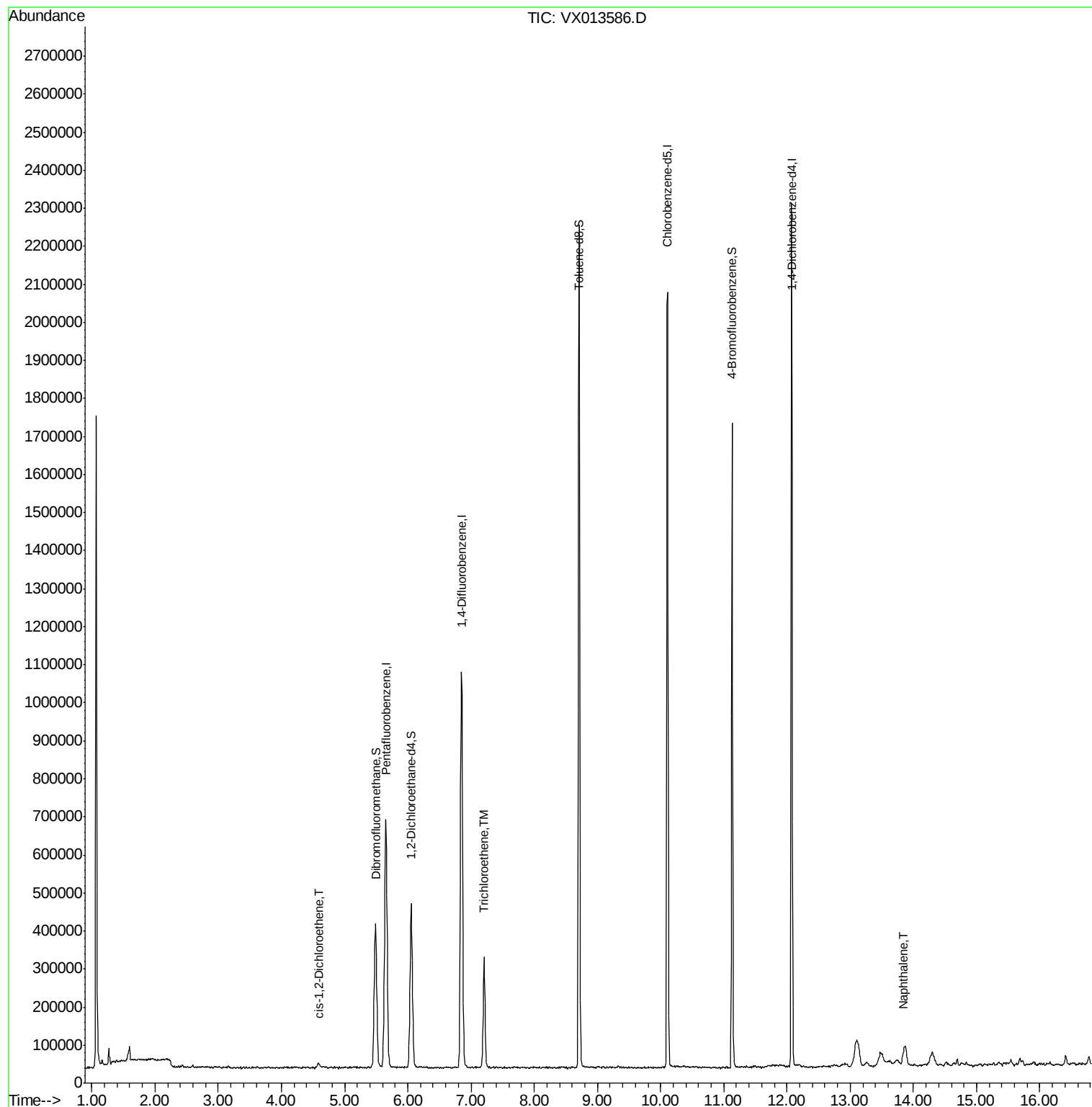
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 677979   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 1093029  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 980995   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 476148   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 396466   | 49.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.72%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 325613   | 47.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.00%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1307020  | 50.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.14% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 452080   | 48.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.94%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 9051     | 1.193  | ug/l    | 72       |
| 44) Trichloroethene         | 7.21  | 130  | 119858   | 14.908 | ug/l    | 96       |
| 95) Naphthalene             | 13.83 | 128  | 16762    | 0.511  | ug/l #  | 93       |

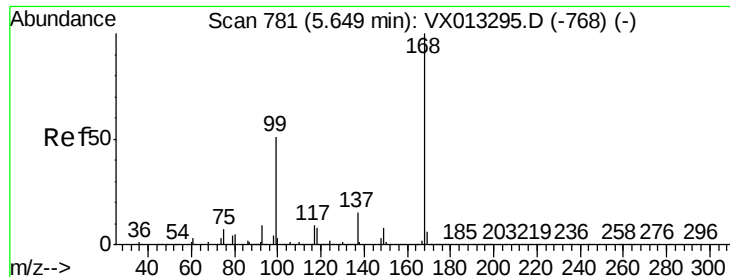
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX013586.D

Acq: 25 Nov 2019 17:10

Instrument :

MSVOA\_X

ClientSampleId :

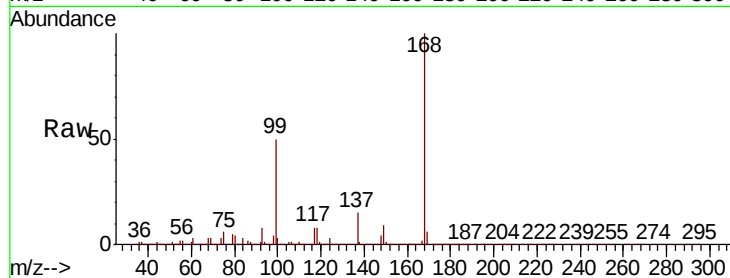
MH-117T-20191121

Tot Ion:168 Resp: 677979

Ion Ratio Lower Upper

168 100

99 50.3 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

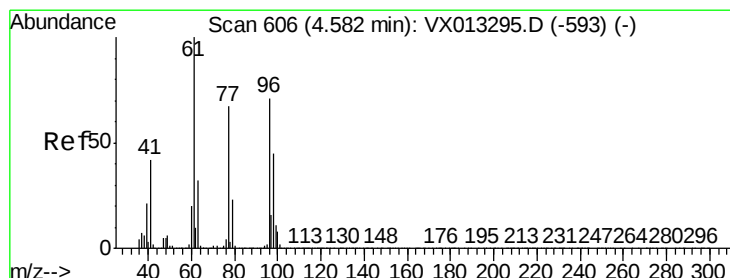
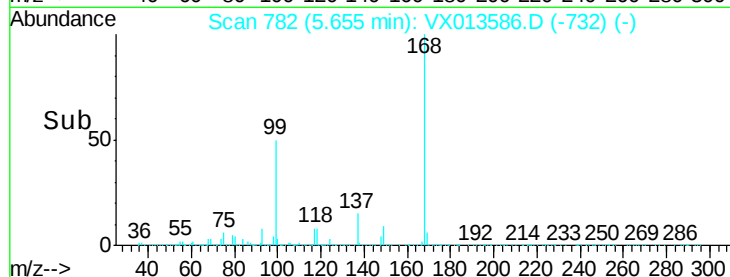
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 1.193 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013586.D

Acq: 25 Nov 2019 17:10

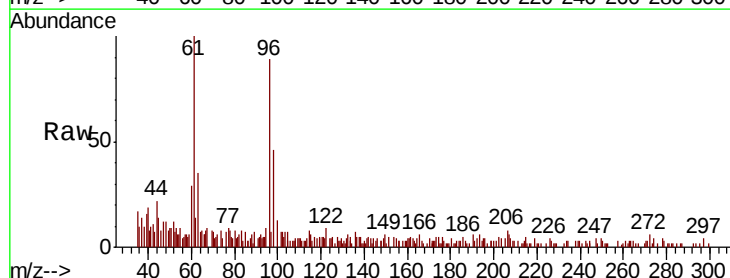
Tgt Ion: 96 Resp: 9051

Ion Ratio Lower Upper

96 100

61 118.4 0.0 288.0

98 29.3 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

5000

4000

3000

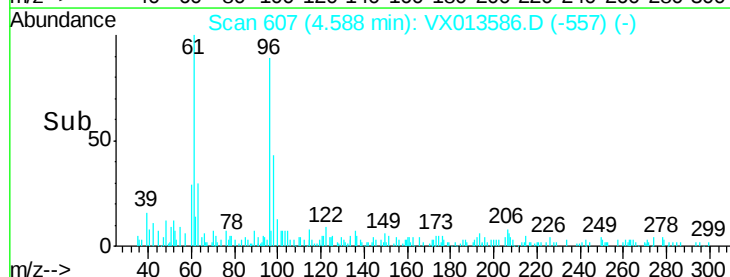
2000

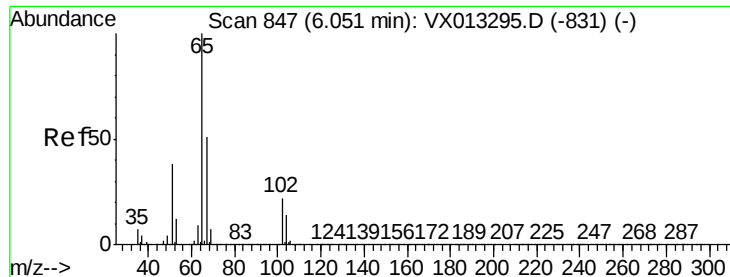
1000

0

Time-->

4.50 4.60 4.70





#33

1,2-Dichloroethane-d4

Concen: 49.361 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013586.D

Acq: 25 Nov 2019 17:10

Instrument :

MSVOA\_X

ClientSampleId :

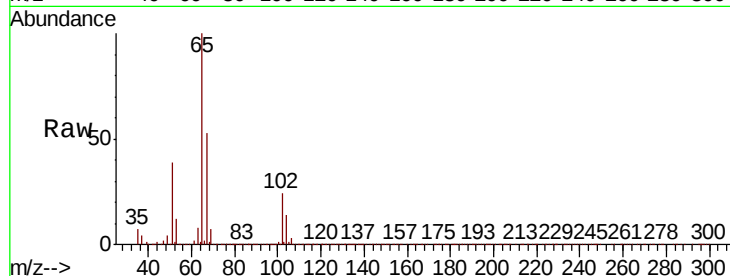
MH-117T-20191121

Tot Ion: 65 Resp: 396466

Ion Ratio Lower Upper

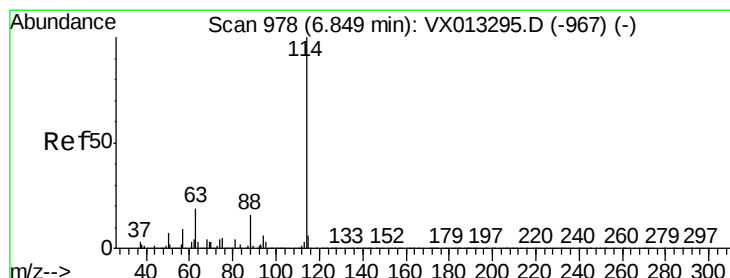
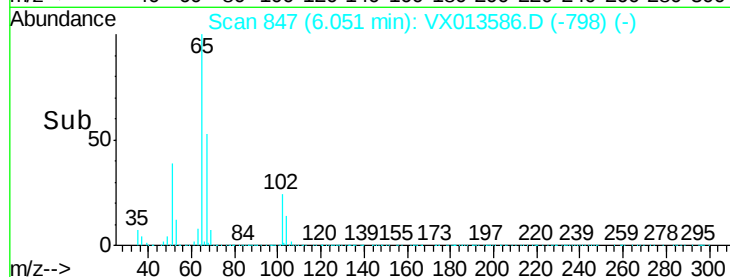
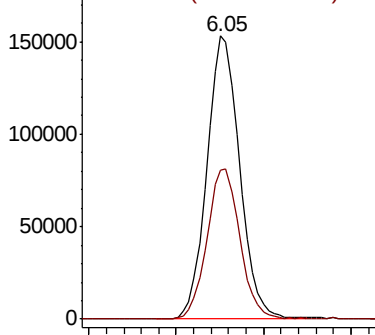
65 100

67 53.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013586.D

Acq: 25 Nov 2019 17:10

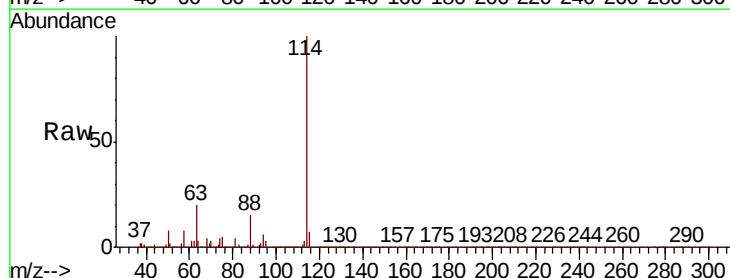
Tgt Ion: 114 Resp: 1093029

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

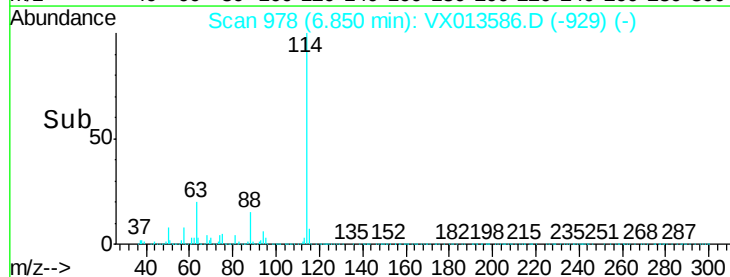
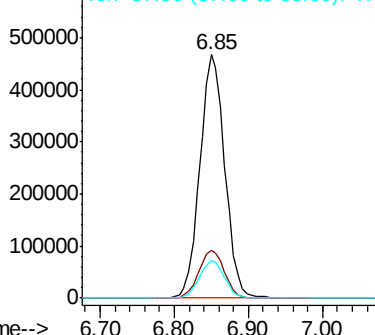
88 15.1 0.0 32.2

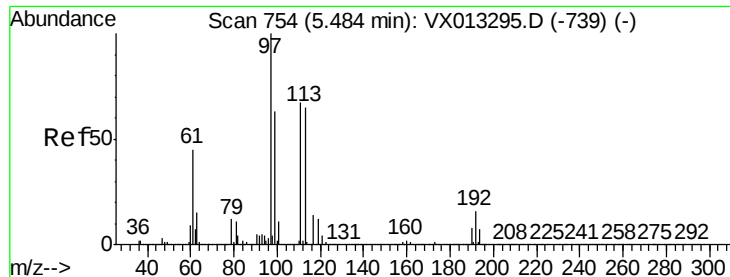


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.496 ug/l

RT: 5.49 min Scan# 755

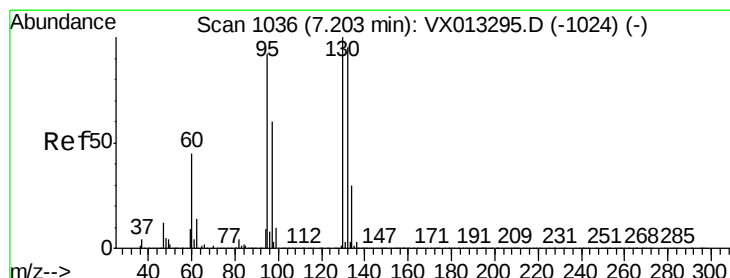
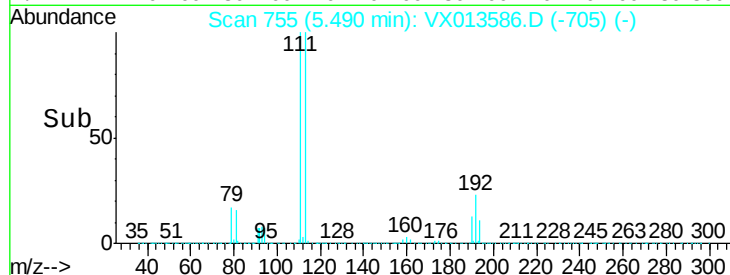
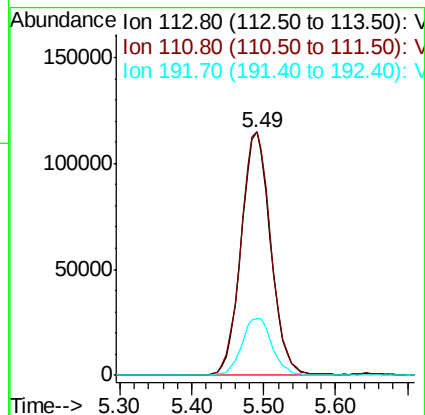
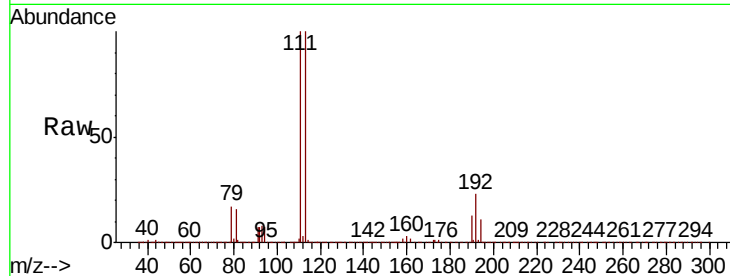
Delta R.T. 0.01 min

Lab File: VX013586.D

Acq: 25 Nov 2019 17:10

Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-117T-20191121

|             |       |            |
|-------------|-------|------------|
| Tot Ion:113 | Resp: | 325613     |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 101.2 | 81.9 122.9 |
| 192         | 24.2  | 19.1 28.7  |



#44

Trichloroethene

Concen: 14.908 ug/l

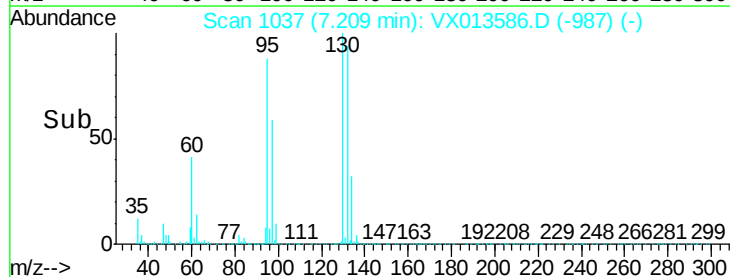
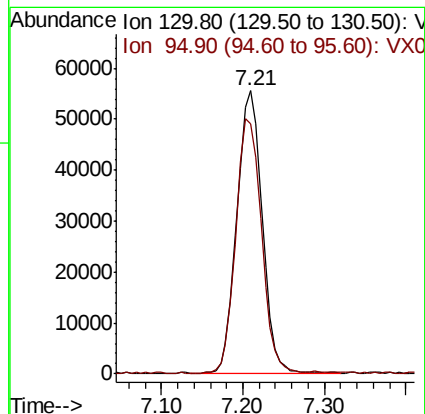
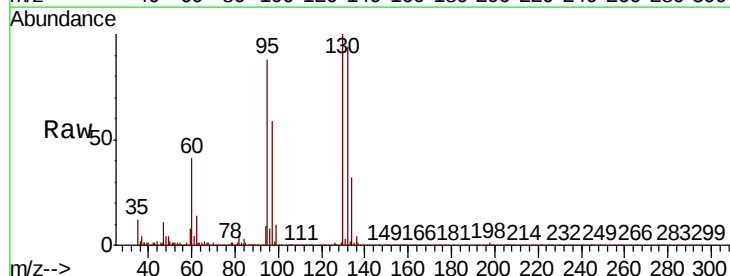
RT: 7.21 min Scan# 1037

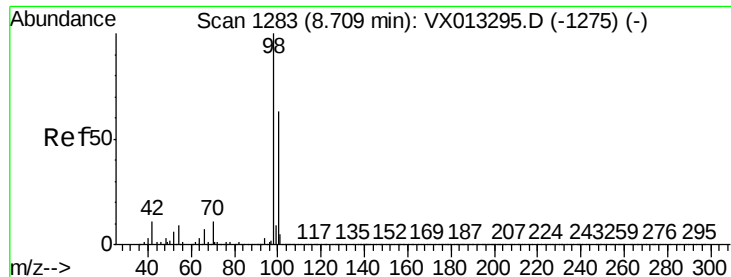
Delta R.T. 0.01 min

Lab File: VX013586.D

Acq: 25 Nov 2019 17:10

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:130 | Resp: | 119858    |
| Ion Ratio   | Lower | Upper     |
| 130         | 100   |           |
| 95          | 88.5  | 0.0 184.8 |





#50

Toluene-d8

Concen: 50.572 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013586.D

Acq: 25 Nov 2019 17:10

Instrument :

MSVOA\_X

ClientSampleId :

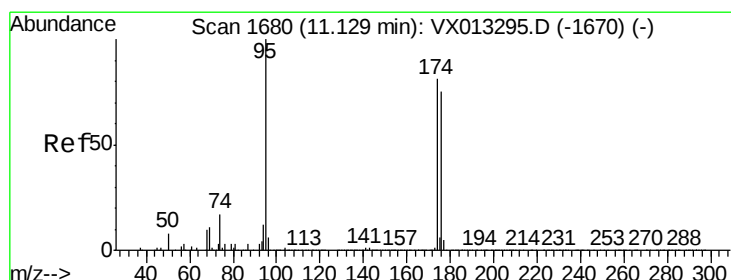
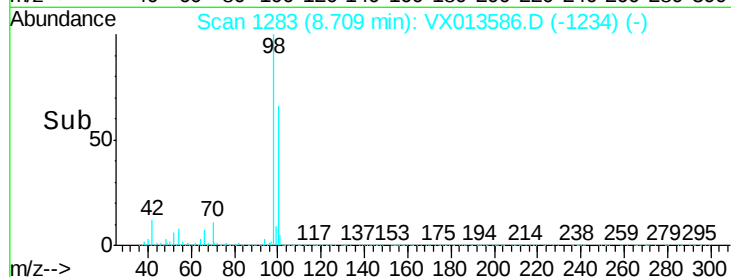
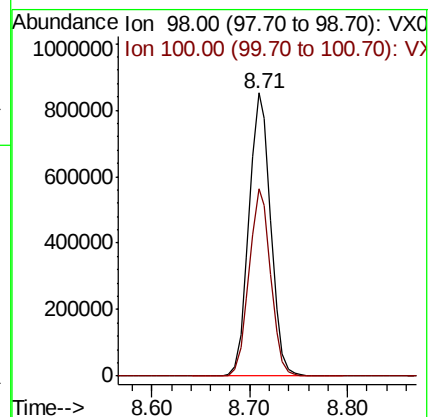
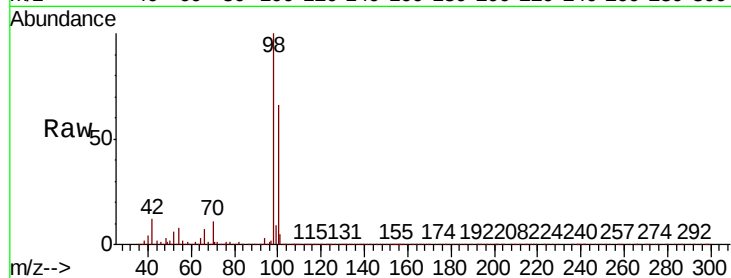
MH-117T-20191121

Tot Ion: 98 Resp: 1307020

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.467 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013586.D

Acq: 25 Nov 2019 17:10

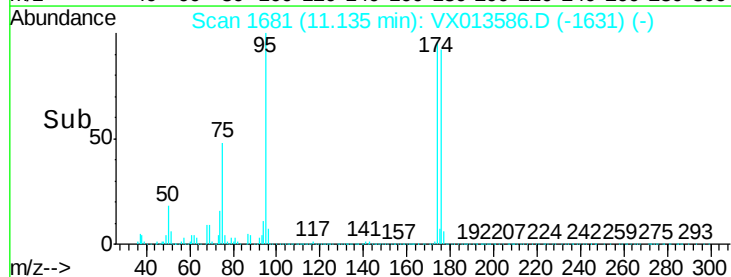
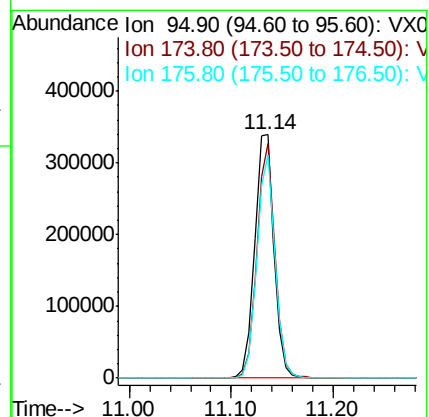
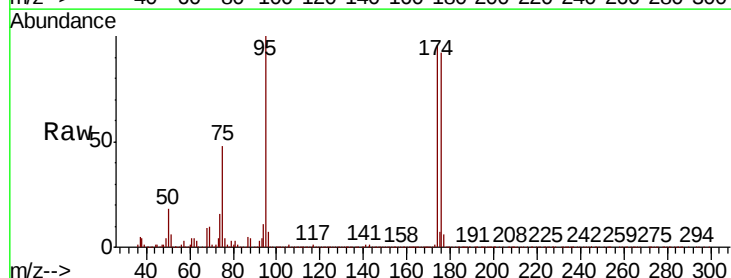
Tgt Ion: 95 Resp: 452080

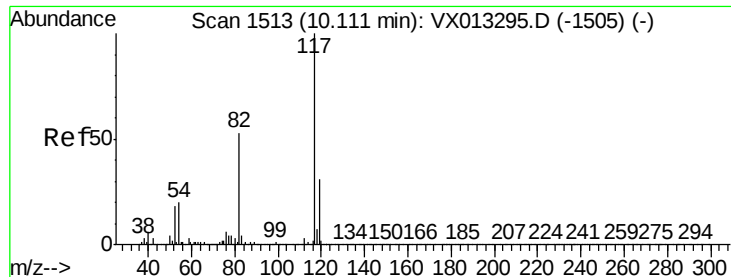
Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.8

176 86.7 0.0 173.0

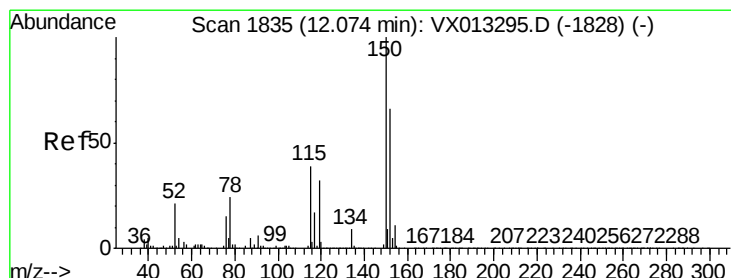
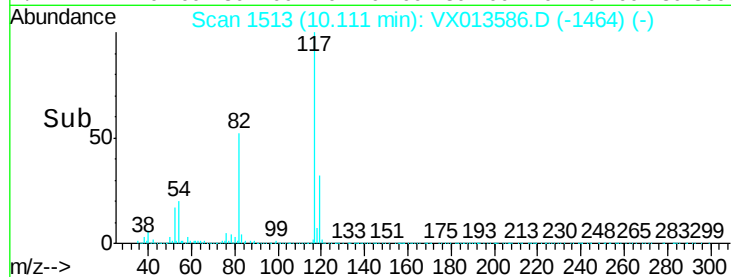
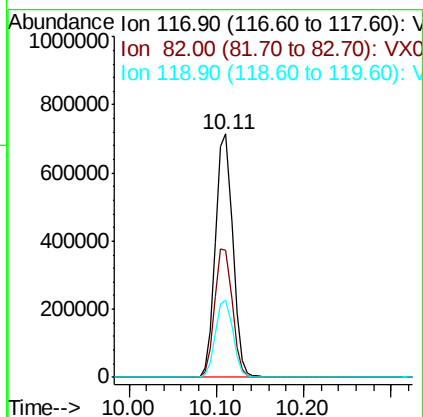
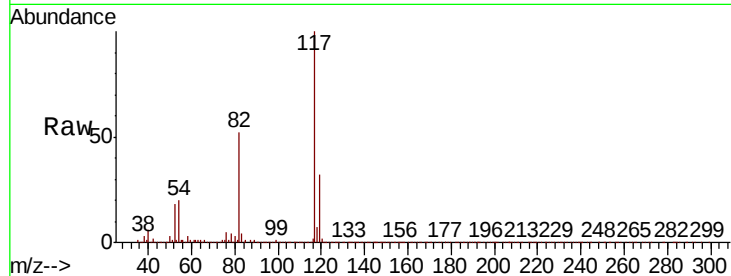




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX013586.D  
Acq: 25 Nov 2019 17:10

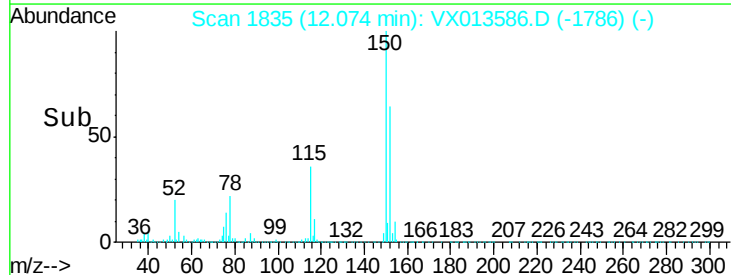
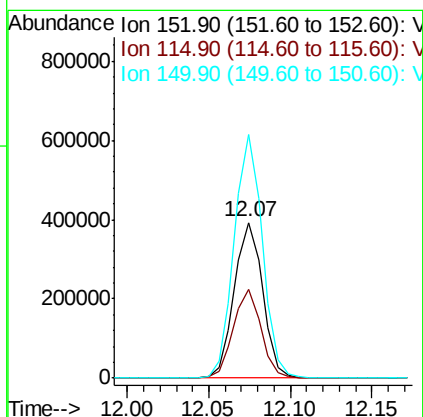
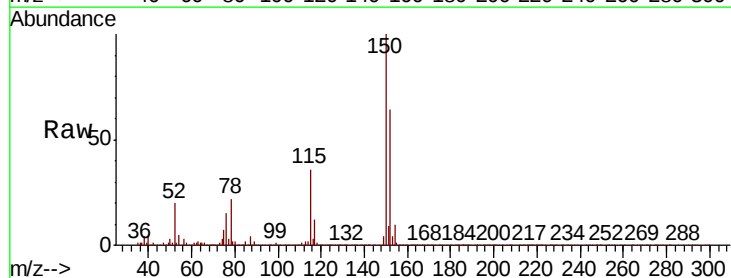
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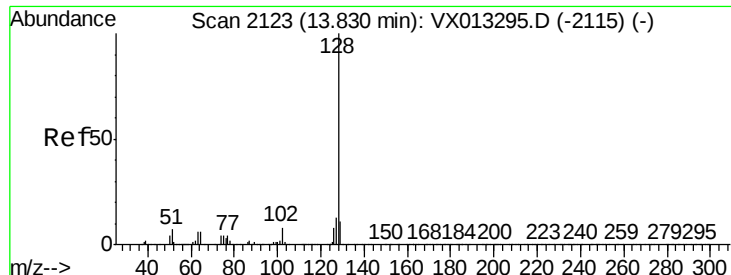
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.4  | 42.6  | 64.0  |
| 119     | 31.8  | 24.8  | 37.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX013586.D  
Acq: 25 Nov 2019 17:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.6  | 39.5  | 118.3 |
| 150     | 155.3 | 0.0   | 344.4 |





#95

Naphthalene

Concen: 0.511 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013586.D

Acq: 25 Nov 2019 17:10

Instrument :

MSVOA\_X

ClientSampleId :

MH-117T-20191121

Tot Ion:128 Resp: 16762

Ion Ratio Lower Upper

128 100

127 16.6 10.2 15.2#

129 11.9 8.5 12.7

