

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\  
 Data File : VX011705.D  
 Acq On : 21 Aug 2019 00:01  
 Operator : JC/SP  
 Sample : K4387-28  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T6-D-(2)

Quant Time: Aug 21 01:09:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 04:15:26 2019  
 Response via : Initial Calibration

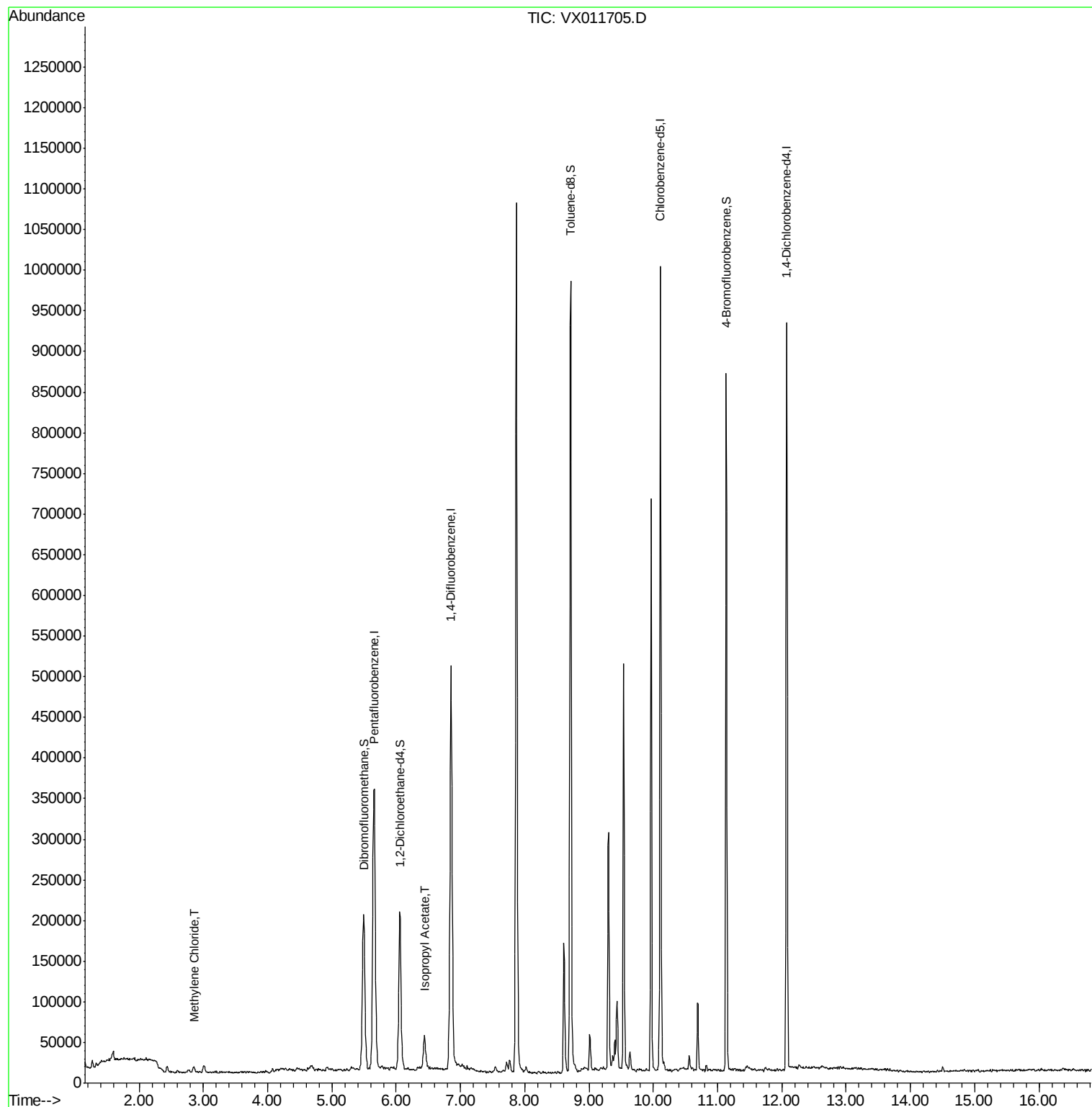
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 375379   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 517389   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 466484   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 202423   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 190086   | 54.60 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.20% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 156929   | 46.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.74%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 624196   | 59.20 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 118.40% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 206764   | 46.46 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.92%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 2.85  | 84   | 3758     | 1.023 | ug/l #  | 90       |
| 43) Isopropyl Acetate       | 6.44  | 43   | 52085    | 6.559 | ug/l    | 99       |

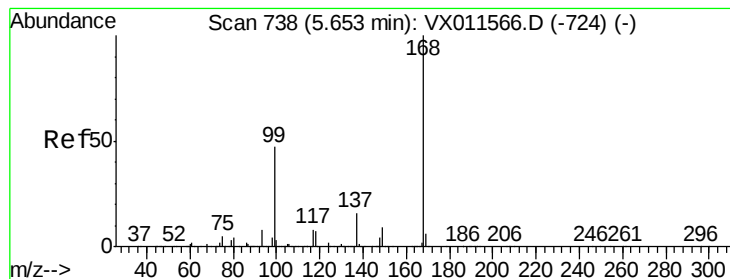
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
T6-D-(2)

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Quant Title : SW846 8260  
QLast Update : Fri Aug 16 04:15:26 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA\_X

ClientSampled :

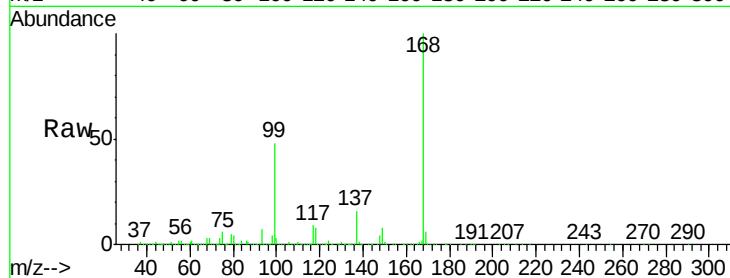
T6-D-(2)

Tot Ion:168 Resp: 375379

Ion Ratio Lower Upper

168 100

99 47.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

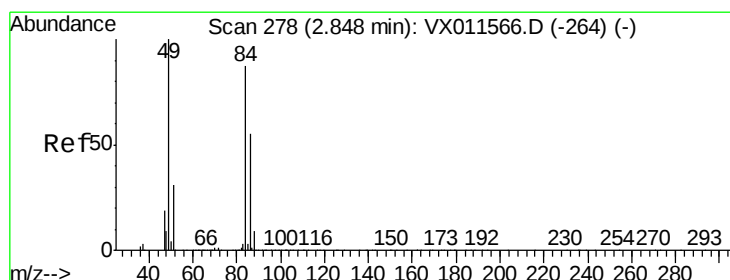
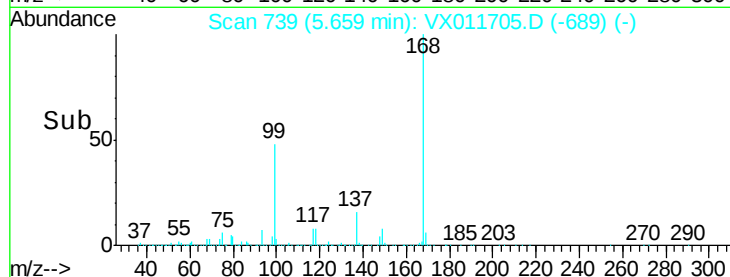
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 1.023 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Tgt Ion: 84 Resp: 3758

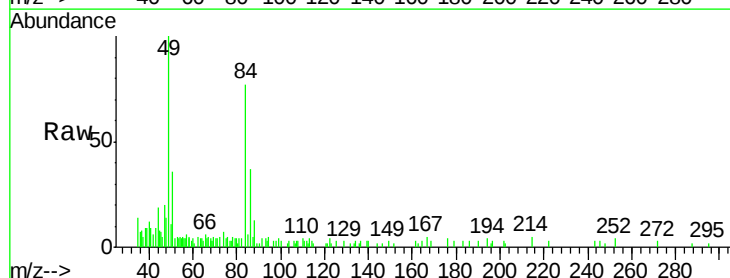
Ion Ratio Lower Upper

84 100

49 118.5 92.4 138.6

51 34.8 28.5 42.7

86 41.5 51.0 76.6#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

3000

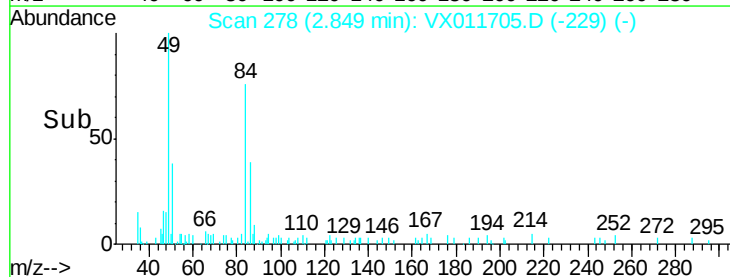
2000

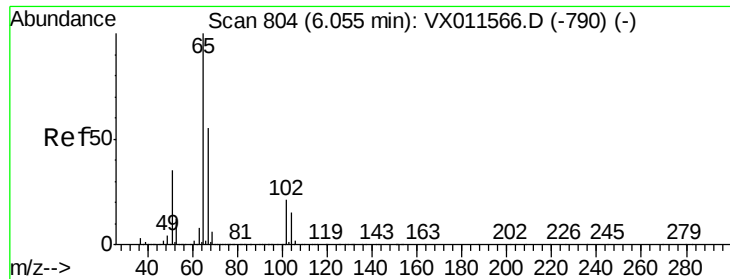
1000

0

Time-->

2.80 2.85 2.90

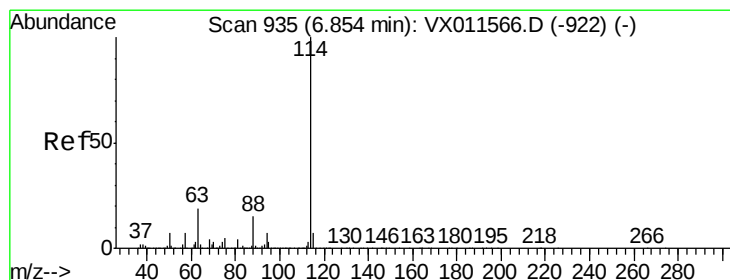
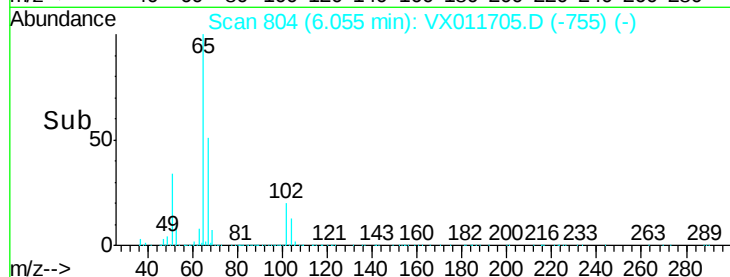
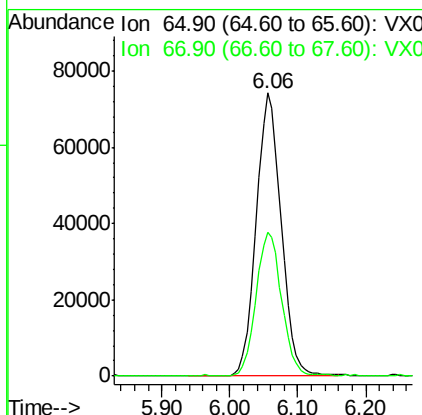
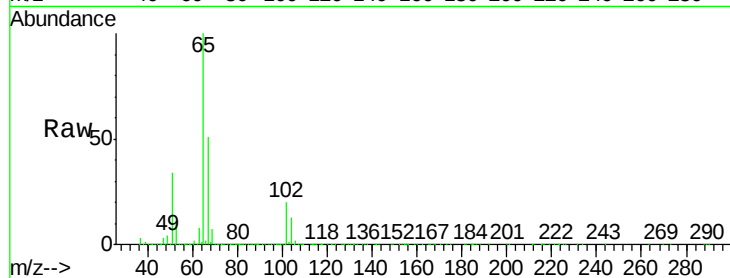




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.605 ug/l  
 RT: 6.06 min Scan# 804  
 Delta R.T. 0.00 min  
 Lab File: VX011705.D  
 Acq: 21 Aug 2019 00:01

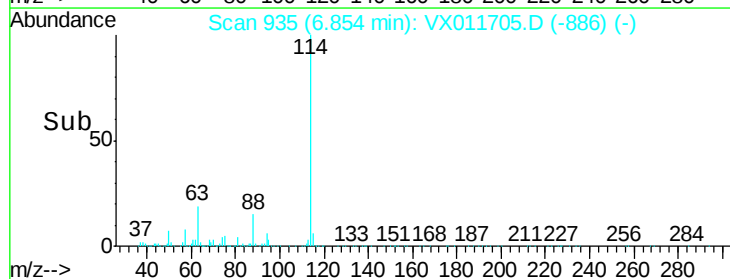
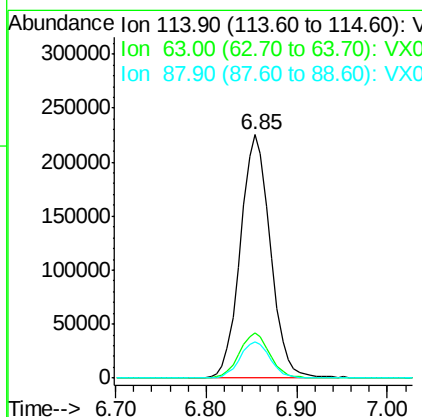
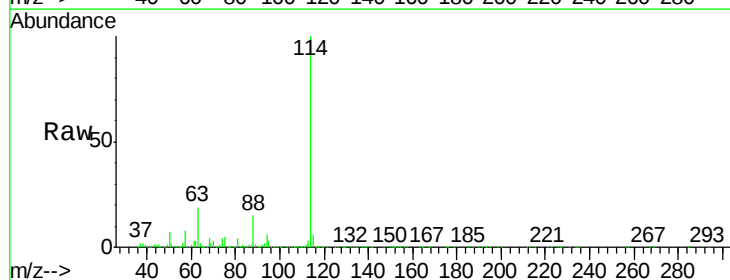
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T6-D-(2)

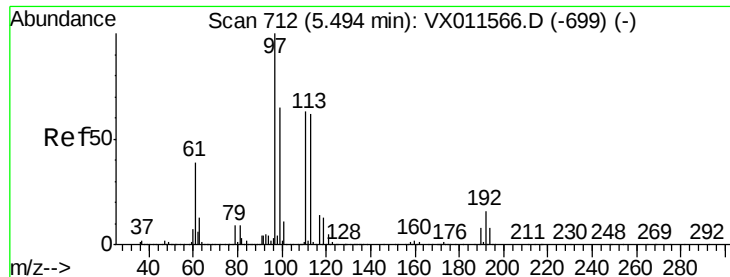
Tot Ion: 65 Resp: 190086  
 Ion Ratio Lower Upper  
 65 100  
 67 51.7 0.0 107.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX011705.D  
 Acq: 21 Aug 2019 00:01

Tgt Ion: 114 Resp: 517389  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 37.8  
 88 14.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.373 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA\_X

ClientSampleId :

T6-D-(2)

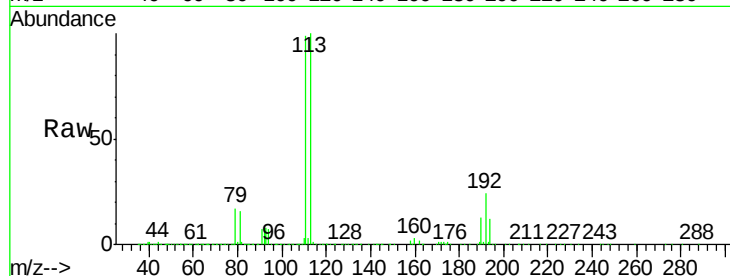
Tot Ion:113 Resp: 156929

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

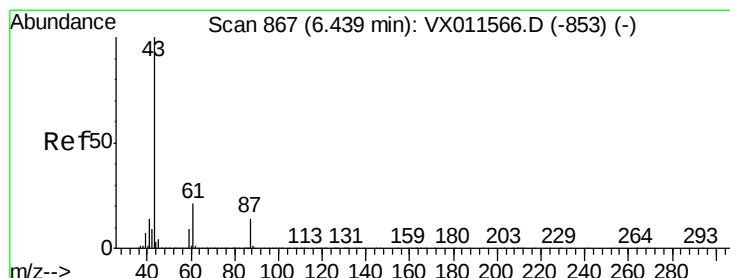
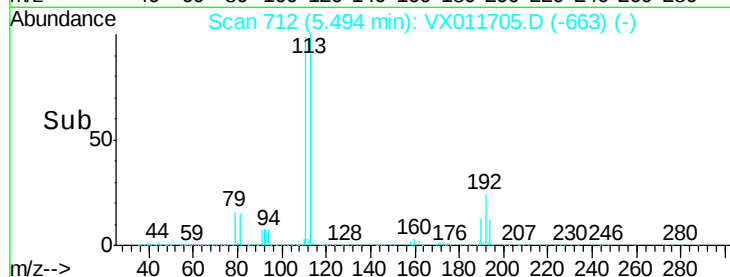
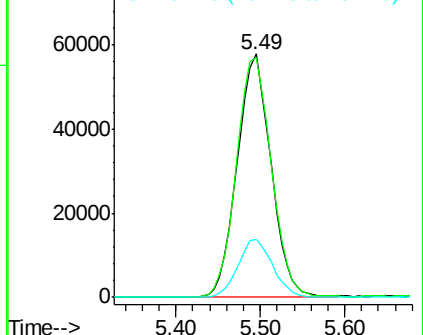
192 24.6 20.8 31.2



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



#43

Isopropyl Acetate

Concen: 6.559 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

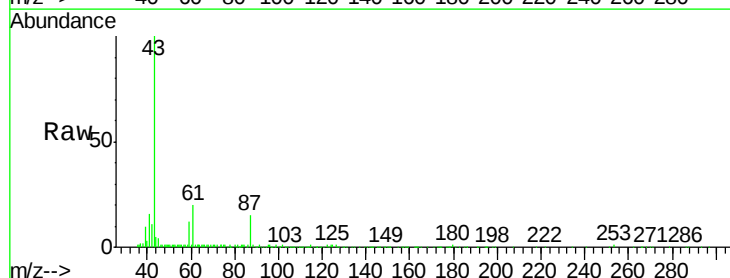
Tgt Ion: 43 Resp: 52085

Ion Ratio Lower Upper

43 100

61 21.0 16.6 24.8

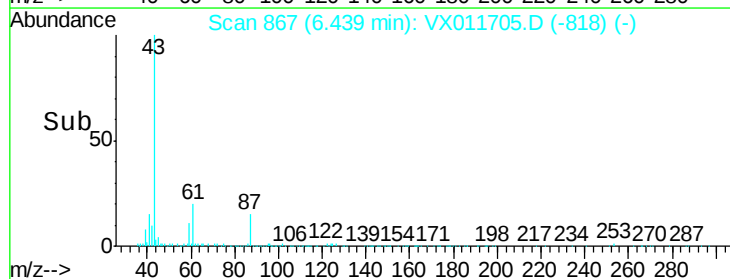
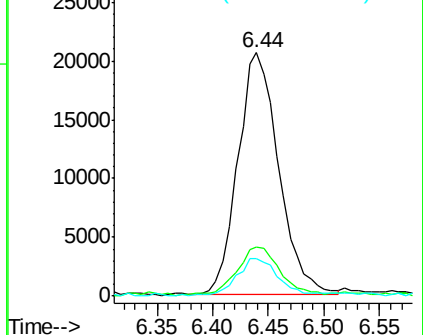
87 15.0 11.4 17.2

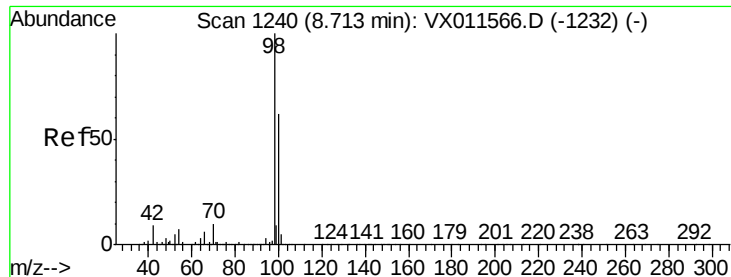


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 59.198 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

Instrument :

MSVOA\_X

ClientSampleId :

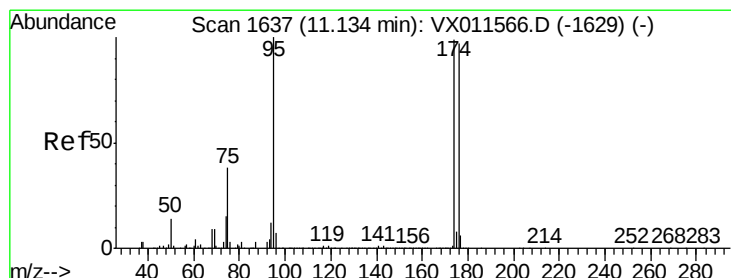
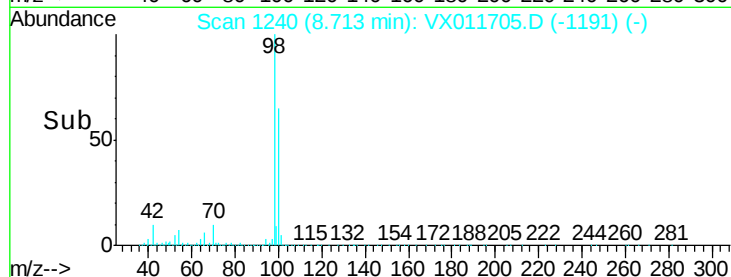
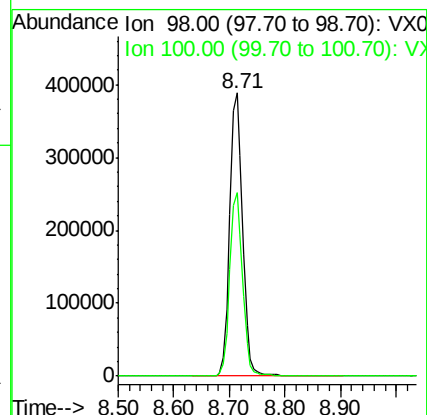
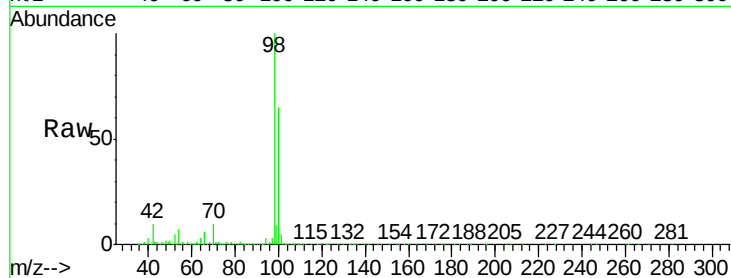
T6-D-(2)

Tot Ion: 98 Resp: 624196

Ion Ratio Lower Upper

98 100

100 64.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.458 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011705.D

Acq: 21 Aug 2019 00:01

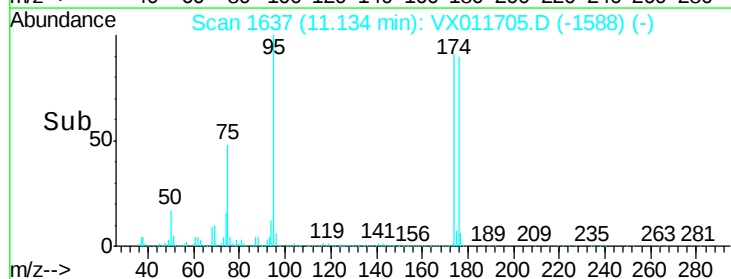
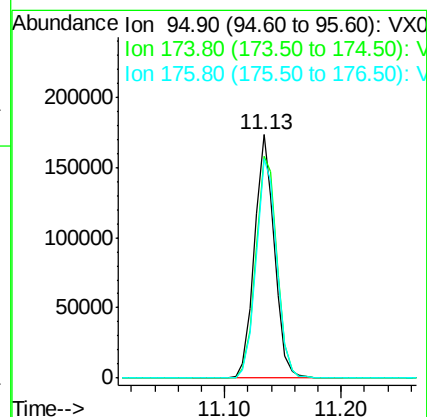
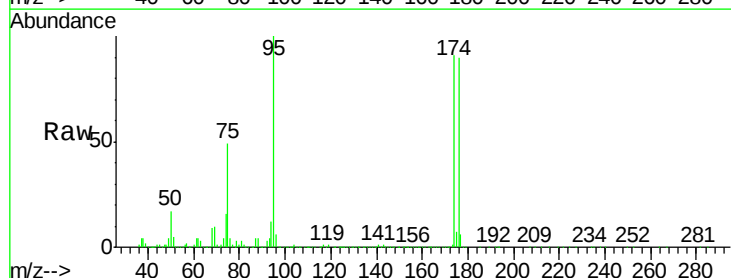
Tgt Ion: 95 Resp: 206764

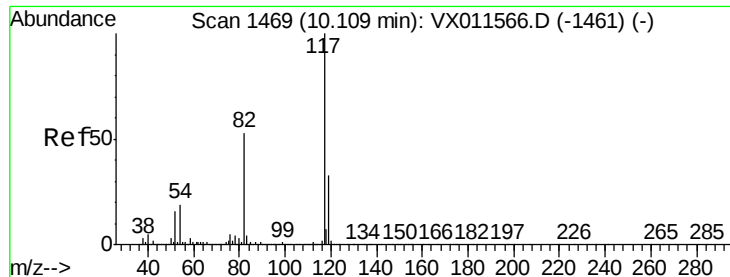
Ion Ratio Lower Upper

95 100

174 96.9 0.0 200.6

176 93.6 0.0 196.6

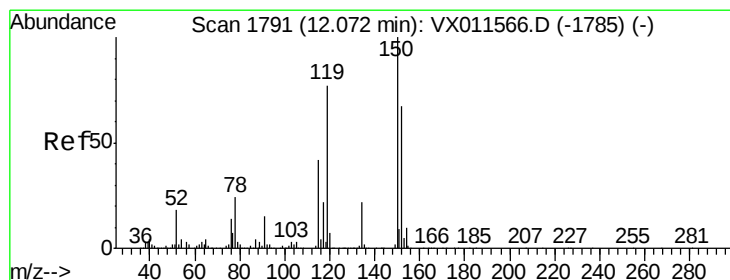
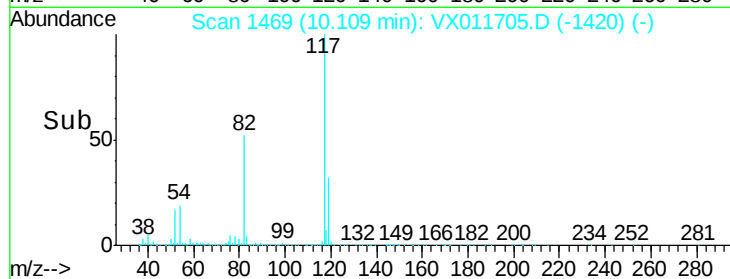
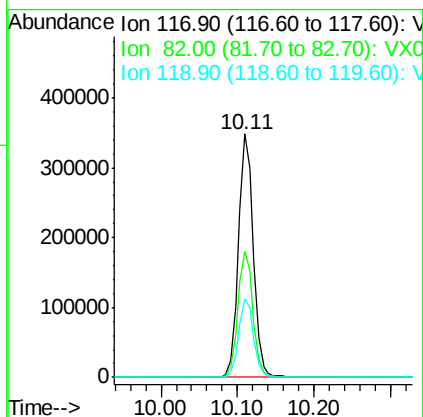
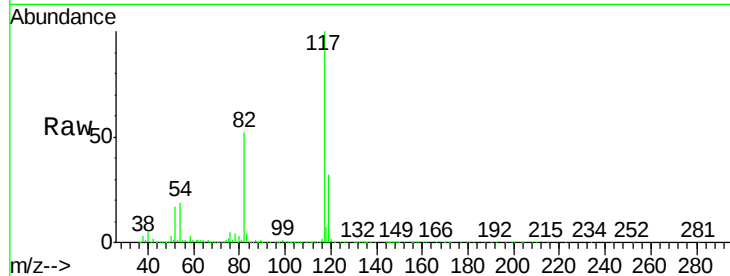




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX011705.D  
Acq: 21 Aug 2019 00:01

Instrument :  
MSVOA\_X  
ClientSampled :  
T6-D-(2)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.5  | 42.0  | 63.0  |
| 119     | 32.0  | 26.5  | 39.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.01 min  
Lab File: VX011705.D  
Acq: 21 Aug 2019 00:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.4  | 37.3  | 111.9 |
| 150     | 155.0 | 0.0   | 346.2 |

