

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030519\  
 Data File : VX007839.D  
 Acq On : 05 Mar 2019 16:08  
 Operator : JC/SP  
 Sample : K1659-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 M2-T5-UV(PRE)

Quant Time: Mar 06 12:38:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 01:53:13 2019  
 Response via : Initial Calibration

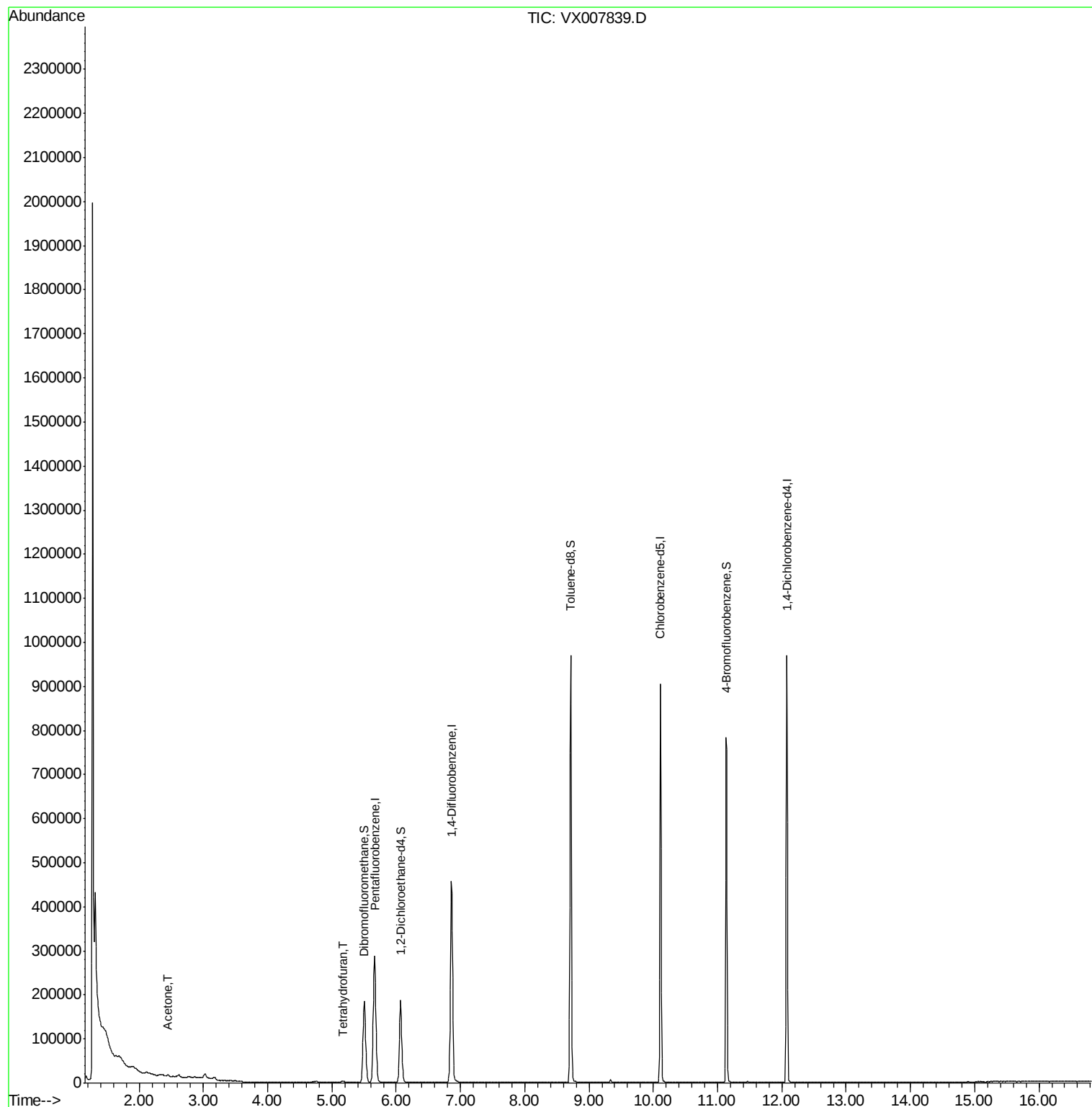
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 305411   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 473937   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 446074   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 215733   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 168960   | 44.66 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.32%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 158951   | 50.17 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.34% |          |
| 50) Toluene-d8              | 8.71  | 98   | 577231   | 47.59 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.18%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 209192   | 46.99 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.98%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 4327     | 2.572 | ug/l    | 92       |
| 29) Tetrahydrofuran         | 5.16  | 42   | 3075     | 1.820 | ug/l    | 91       |

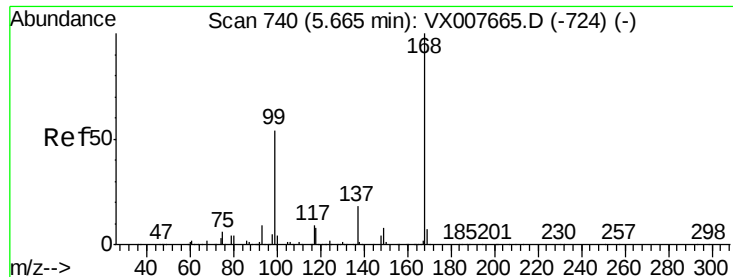
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX030519\  
Data File : VX007839.D  
Acq On : 05 Mar 2019 16:08  
Operator : JC/SP  
Sample : K1659-11  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
M2-T5-UV(PRE)

Quant Time: Mar 06 12:38:27 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 26 01:53:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007839.D

Acq: 05 Mar 2019 16:08

Instrument :

MSVOA\_X

ClientSampleId :

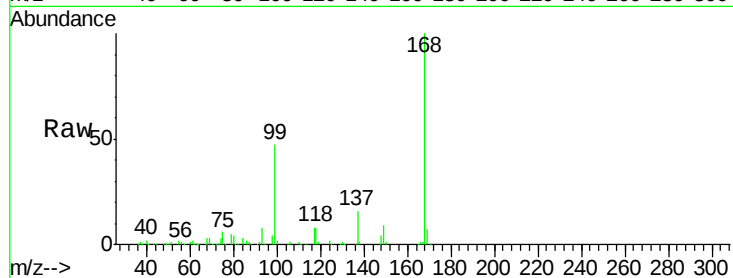
M2-T5-UV(PRE)

Tot Ion:168 Resp: 305411

Ion Ratio Lower Upper

168 100

99 47.3 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

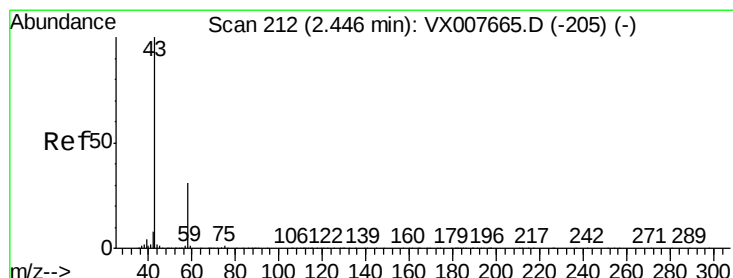
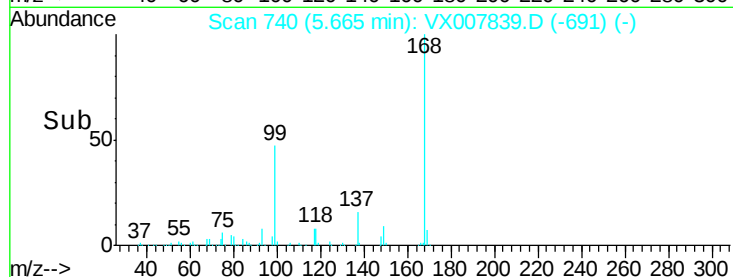
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 2.572 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007839.D

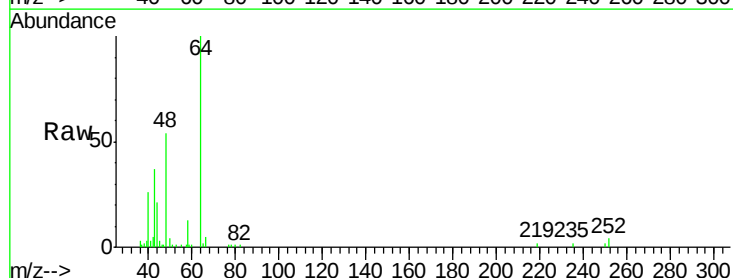
Acq: 05 Mar 2019 16:08

Tgt Ion: 43 Resp: 4327

Ion Ratio Lower Upper

43 100

58 35.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

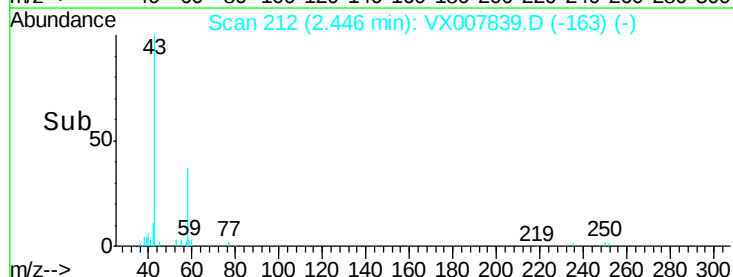
1500

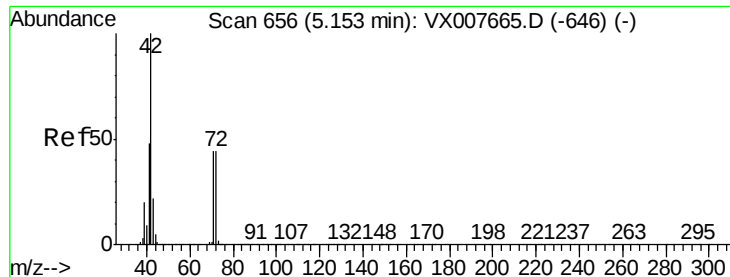
1000

500

0

Time--> 2.40 2.45 2.50





#29

Tetrahydrofuran

Concen: 1.820 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007839.D

Acq: 05 Mar 2019 16:08

Instrument :

MSVOA\_X

ClientSampleId :

M2-T5-UV(PRE)

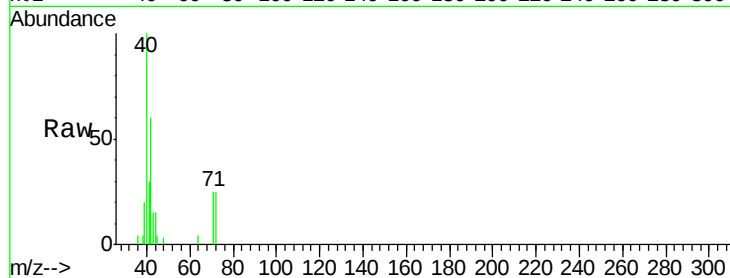
Tot Ion: 42 Resp: 3075

Ion Ratio Lower Upper

42 100

72 40.5 37.6 56.4

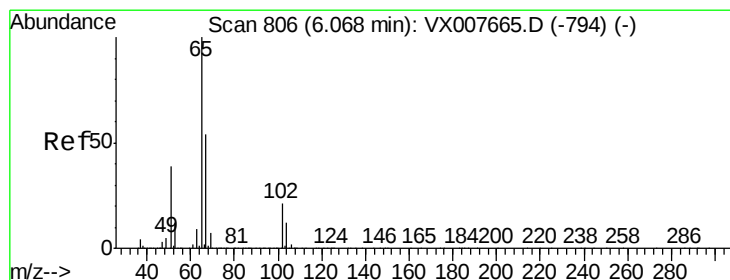
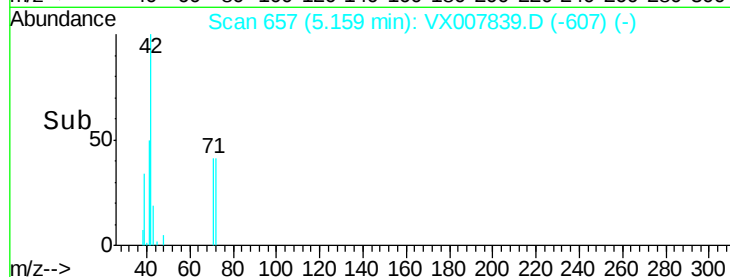
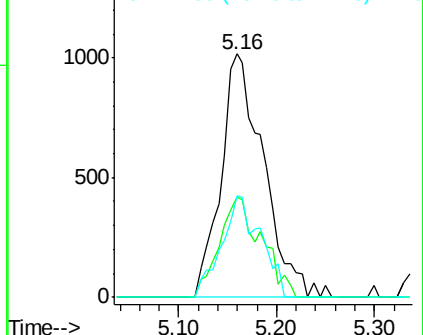
71 38.1 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.662 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007839.D

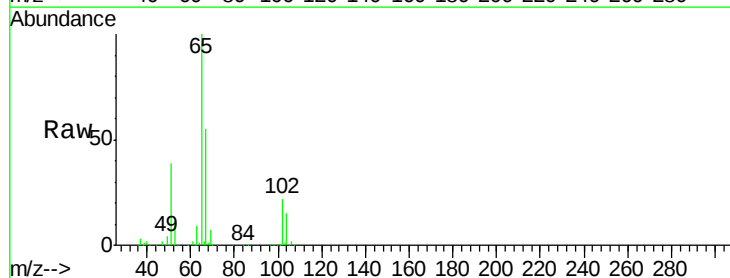
Acq: 05 Mar 2019 16:08

Tgt Ion: 65 Resp: 168960

Ion Ratio Lower Upper

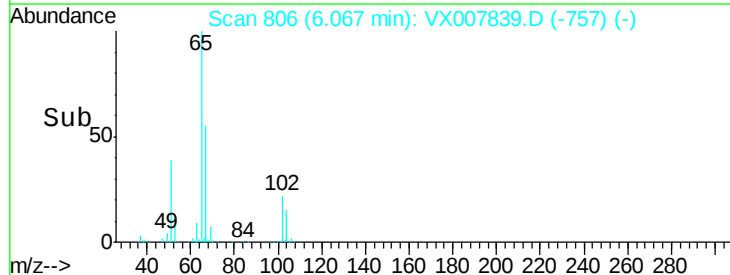
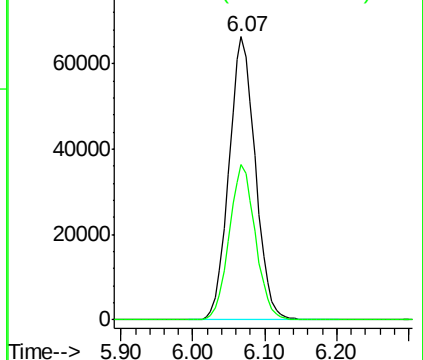
65 100

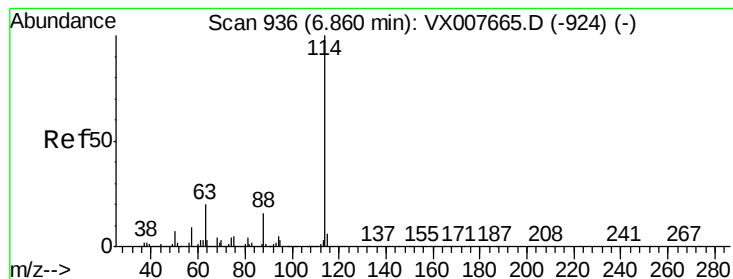
67 54.6 0.0 108.8



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007839.D

Acq: 05 Mar 2019 16:08

Instrument :

MSVOA\_X

ClientSampleId :

M2-T5-UV(PRE)

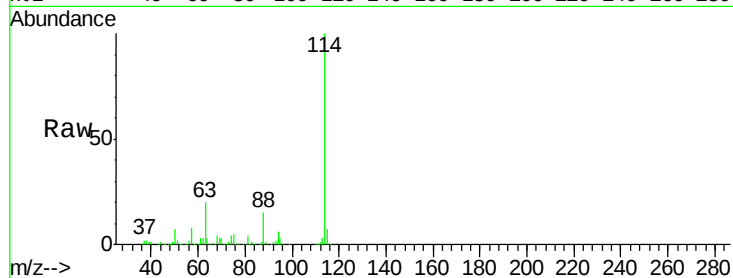
Tot Ion:114 Resp: 473937

Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.6

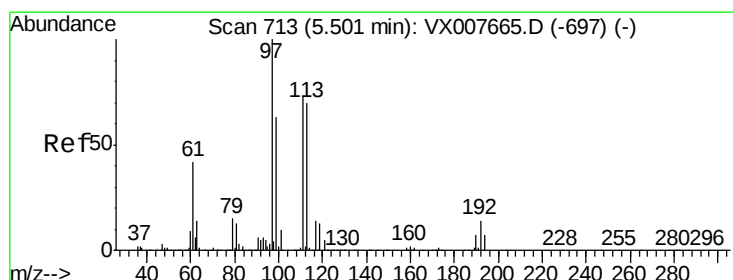
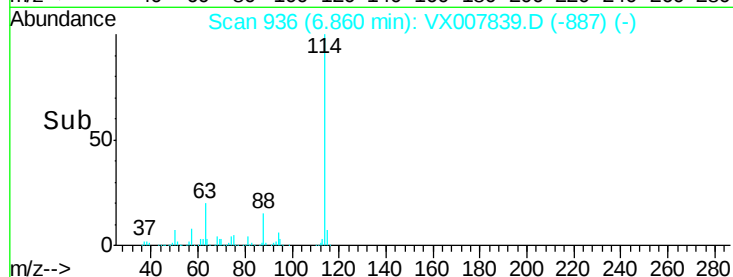
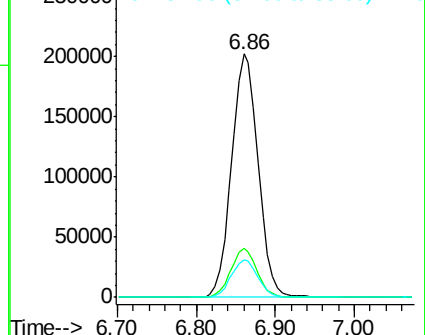
88 15.4 0.0 29.6



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: 50.172 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007839.D

Acq: 05 Mar 2019 16:08

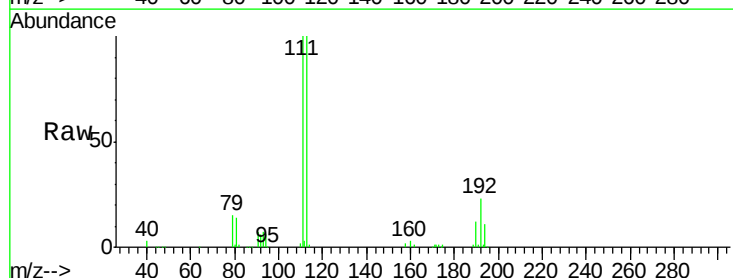
Tgt Ion:113 Resp: 158951

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

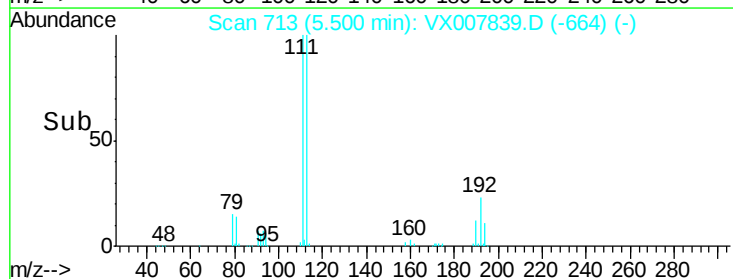
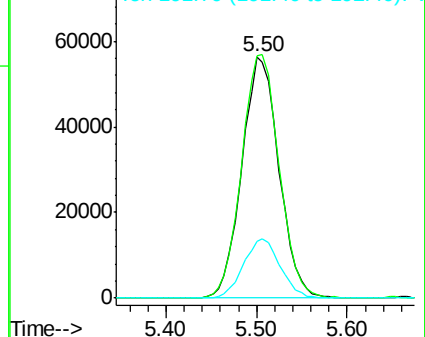
192 24.3 18.5 27.7

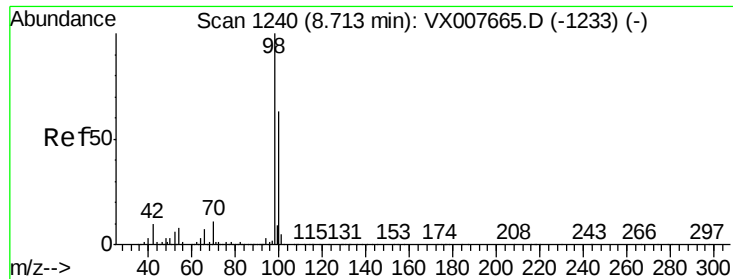


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

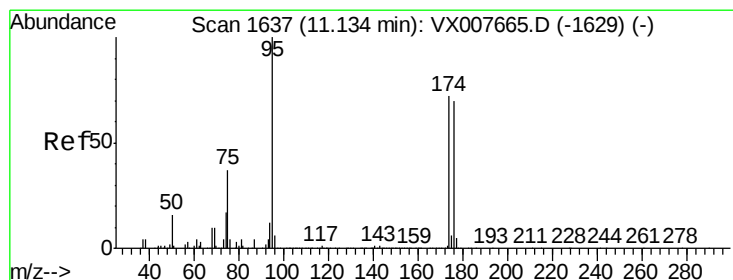
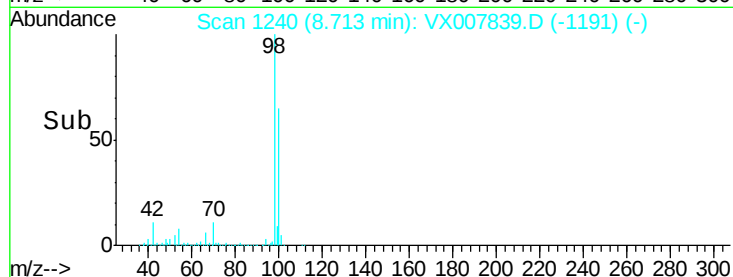
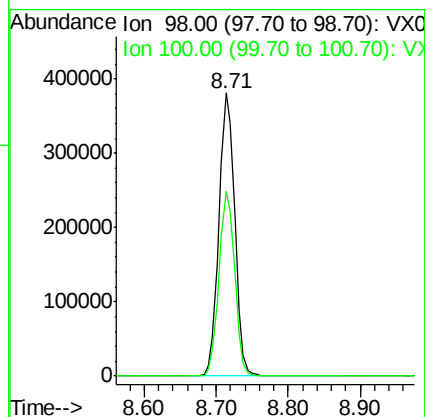
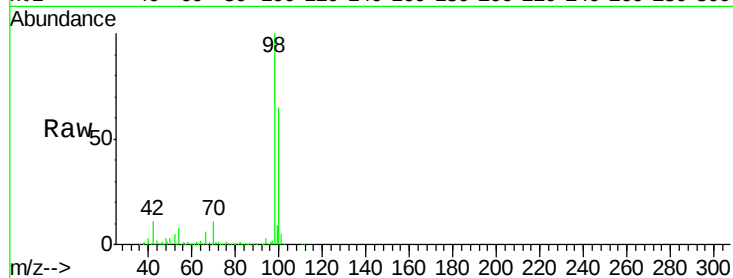




#50  
Toluene-d8  
Concen: 47.592 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX007839.D  
Acq: 05 Mar 2019 16:08

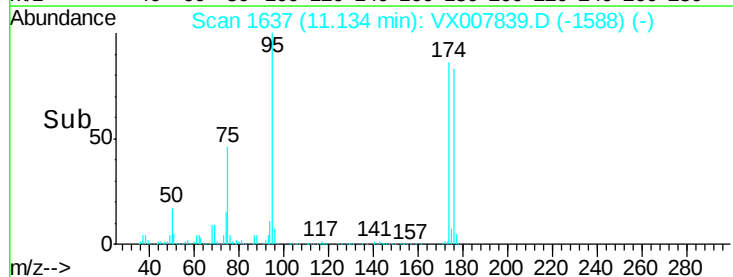
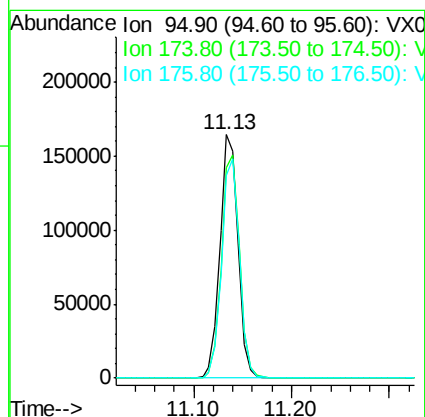
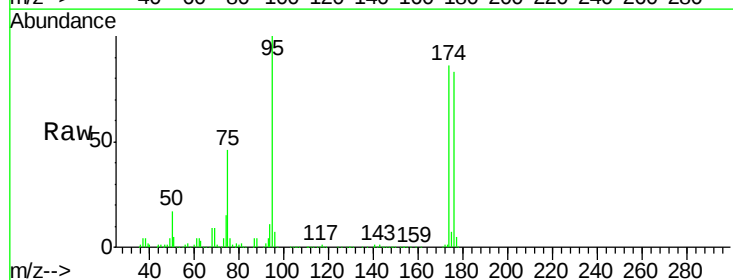
Instrument :  
MSVOA\_X  
ClientSampleId :  
M2-T5-UV(PRE)

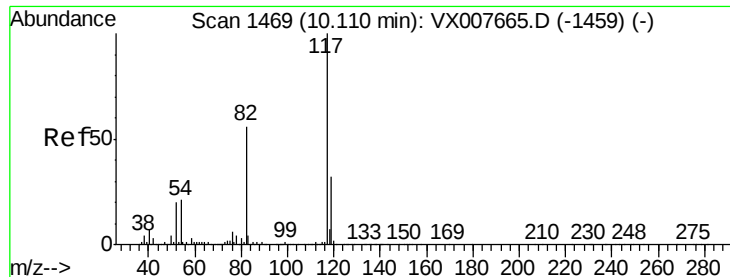
Tot Ion: 98 Resp: 577231  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 46.992 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX007839.D  
Acq: 05 Mar 2019 16:08

Tgt Ion: 95 Resp: 209192  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 189.2  
176 89.9 0.0 186.2

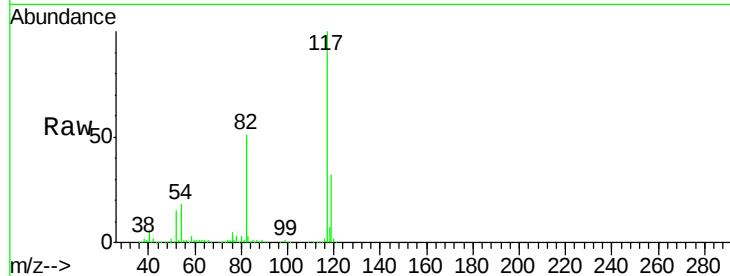




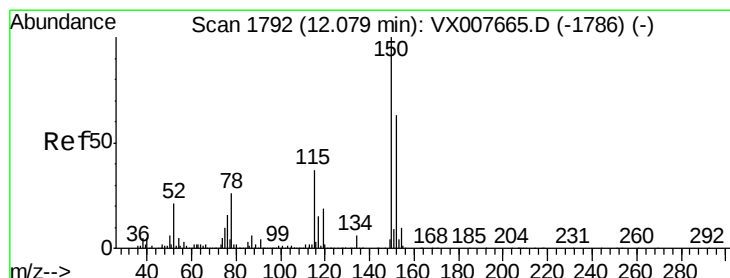
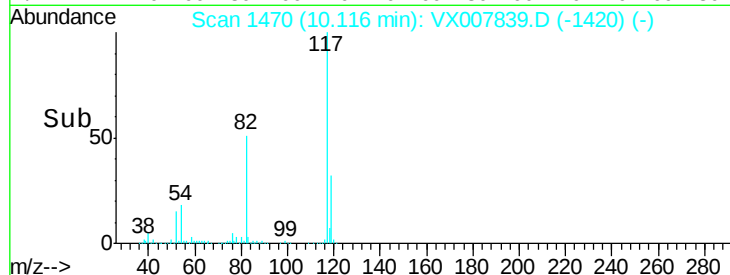
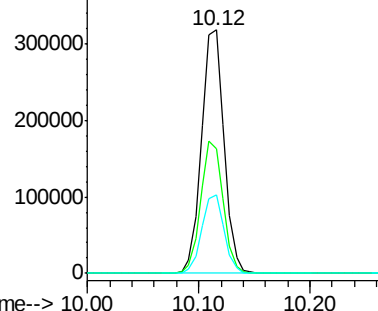
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VX007839.D  
Acq: 05 Mar 2019 16:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
M2-T5-UV(PRE)

Tot Ion:117 Resp: 446074  
Ion Ratio Lower Upper  
117 100  
82 51.2 42.1 63.1  
119 32.2 26.5 39.7

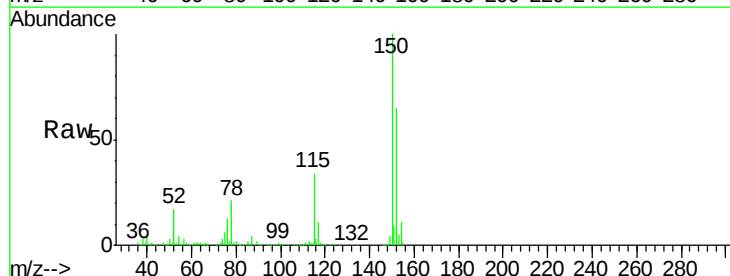


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX007839.D  
Acq: 05 Mar 2019 16:08

Tgt Ion:152 Resp: 215733  
Ion Ratio Lower Upper  
152 100  
115 53.9 38.0 114.0  
150 156.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

